OCTOBER 18, 2021

VILLAGE OF ORLAND PARK
COOK COUNTY, IL

STORMWATER MASTERPLAN- PHASE 1
POND EVALUATIONS

CBBEL PROJECT NO. 210335

CHRISTOPHER B. BURKE ENGINEERING, LTD
9575 WEST HIGGINS ROAD, SUITE 600.
Rosemont, IL 60018

Contents

EXECUTIVE SUMMARY 3
Key Findings 3
Introduction 5
Summary of Pond Evaluation Criteria 5
Prioritization of Maintenance Needs 7
Issues Common to All Pond Evaluations 8
Dry Ponds with Mown Lawn 8
Wetland or Naturalized Ponds – No Deep Open Water 11
Open Water Ponds – With Natives, Lawn or Armored Shoreline 12
Overgrown Ponds with Limited Accessibility 15
Lake Sedgewick 17
Overall Restoration Discussion 17
Aeration Discussion 18
Aerator Cost 19
Dredging Discussion 19
Introduction 19
Pond Dredge Evaluation Recommendations 19
Dredge Method Discussion 20
Conventional Excavation 20
Hydraulic Dredging 20
Algae Control 20
Recommendations 21
Permitting 21
Offsite Dredge Material Disposal Cost 22
Onsite Spoiling Cost 22
Restoration Costs 22
Brush Clearing 22
Shoreline Erosion Repair 22
Wet Pond Vegetation Management 22

DRAFT

Pipe Repair 23
Stormwater Master Plan Future Phase 23
Stream Evaluation 23
Storm Sewer Evaluation 23
Conclusion 24
Appendix A – Summary Table
Appendix B – Pond Evaluation Data Forms
Appendix C – Photographs of Highest Priority Ponds
Appendix D – Study Area Maps

DRAFT

EXECUTIVE SUMMARY

The Village of Orland Park (Village) contracted Christopher B. Burke Engineering, Ltd. (CBBEL) to complete an evaluation of 178 municipal detention/stormwater basins located throughout the Village. Over the course of the project, it was determined that there were a total 186 areas. As discussed in the following report, the evaluation of each pond covered 20 different elements pertaining to pond maintenance and condition, which were provided by the Village.

The objective of this report is to provide the Village of Orland Park with a summary of results, rank, and suggest prioritization of maintenance for each pond. Based on the data collected CBBEL staff identified common issues for all ponds and created a list of key findings.

Key Findings

- Nearly all ponds have some type of active issue(s): i.e., sediment accumulation, infrastructure integrity loss, weedy and/or overgrown vegetation, etc.
  - Every pond type has some degree of sediment accumulation; the older the pond the more sediment that has likely accumulated
  - Both murky/silty water and shoreline erosion are good indicators of sediment accumulation in a wet pond
- Overgrown ponds were ranked higher with an increased priority regarding the need for maintenance because of the inability to find and evaluate infrastructure and to make a complete assessment, as opposed to ponds that were not overgrown
- Most of the engineering plans provided by village were grading plans which contained limited utility or stormwater structure information. The grading plans provided site locations and topographic elevations. The plans did not, in many cases, contain locations or details of the stormwater infrastructure itself (i.e., outlets, inlets/outfalls, pipes). Thus, grading plans served as only resource in approximating the location and function of key basin features (i.e., spillway, outfall channel, flared end sections, pipes). None of the provided sheets contained planting plans, which would be useful for basins where native plantings were installed
- Almost all wet ponds would benefit from muskrat removal and weed control (i.e., purple loosestrife, teasel, common reed 'phragmites', and cattail)
  - Within the report and evaluation forms, 'Non-native' vegetation refers to plants that have been introduced to the area and are originally from other regions or countries (not all non-natives are invasive). 'Invasive' vegetation refers to plants that degrade the ecosystem by outcompeting the native plant species
- Removing excess vegetation and creating paths to infrastructure is recommended
- The ponds with the 'healthiest' slopes and native predominance often consisted of tallgrasses (i.e., switchgrass, big bluestem, little bluestem, wildrye and Indiangrass) with a mix of prairie wildflowers (i.e., monarda, obedience plant, coneflowers, asters, black-

DRAFT

eyed Susan, milkweeds, cup plant, goldenrods, etc.), and were being professionally managed

    - The terms ‘native prairie’, ‘native wetland’, and/or simply ‘native vegetation’ used in the pond evaluations help describe the installed plant communities. These man-made plant buffers provide many benefits but require monitoring and maintenance.
- Floating vegetation was dominated by algae, lily pads, and pondweed

The restoration of native plant communities provides many benefits to the Village of Orland Park. Compared to mowed lawns and non-native plants, native plants have deeper roots which makes them effective in stabilizing soils. Therefore, ponds with native landscapes generally have less long-term issues with erosion and harmful runoff.

Along with hard copies of the report provided to the Village. The report will contain copies of photographs taken of ponds with the highest priority as well as a copy of each evaluation form. CBBEL provided a digital archive of over 1,000 photographs taken at the 186 ponds. The Village is strongly encouraged to use these images as reference to help understand issues found at individual ponds. Also provided is an excel spreadsheet summarizing all the pond conditions that can be filtered to allow viewing of common issues.

DRAFT

Introduction

Christopher B. Burke Engineering, Ltd. (CBBEL) was initially asked to assess the condition of 178 municipal stormwater management ponds. After an evaluation of the data provided, CBBEL completed evaluations of 186 locations, as shown on the attached exhibits and listed in Tables 1 through 9. We understand that the Village would like to prioritize maintenance of these areas, and this study will be one tool to assist in that decision making process. This Stormwater Masterplan summarizes the ponds and categorizes and ranks them regarding their condition and need for maintenance, amongst other factors.

Many of the ponds evaluated are 20 to 40 years old and have accumulated organic and mineral sediments from years of deposition of soil from eroded shorelines, fertilizers, leaf litter, grass clippings, branches, algae, etc., causing nutrient imbalances, shallower water from organic sludge, and mineral sediment accumulation.

When the ponds are newer and deeper, with less sediment and nutrient load, they are more capable of processing additional nutrients, but as the organic debris and mineral sediment collects, the ponds become shallower, calmer, more stratified, and have lower levels of dissolved oxygen. As oxygen levels decrease, the accumulation of organic matter/sediment accelerates because there is less biologic activity (which requires oxygen) and bacteria present to decompose the organic material, which results in an acceleration of organic sludge deposition and accumulation. For many ponds, organic material/sediment accumulates faster than the rate of decomposition resulting in a continual accumulation of organic sediments on the pond bottoms. Dry ponds with mowed lawns have limited organic accumulation but do have, in some cases, significant mineral sediment deposits.

Despite runoff that occasionally helps flush out some of the nutrients and finer sediments, these ponds capture and retain up to 80% of the organic and mineral input. As a result, these ponds are reaching tipping points and require regular and continual maintenance to function as designed. Without sufficient maintenance and monitoring of these issues, the ponds will eventually convert to wetland with dense aquatic and emergent vegetation and many unanticipated issues, concerns, and costs.

As anticipated, a complete and exhaustive evaluation of the Village's ponds highlights the need for substantial maintenance and this report details those needs, categorizes the various ponds, and discusses possible pond restoration activities.

Summary of Pond Evaluation Criteria

The purpose of the study was to perform a site evaluation of each municipal detention basin and provide a summary report detailing the condition of each basin. The Request for Proposals noted that the basins to be evaluated were specifically designed and/or permitted for the purpose of

DRAFT

storing and slowing the release of stormwater runoff, therefore, the evaluations did not include natural wetlands or riparian areas that also store stormwater runoff.

The RFP further defined what evaluations shall include:

1. Inlet pipes – Evaluate and identify issues or concerns related to settling, joint connections, corrosion, cracking, erosion, trash racks, etc.
2. Outlet pipes – Evaluate and identify issues or concerns related to settling, joint connections, corrosion, cracking, erosion, trash racks, etc.
3. Overland flow inlets – Identify issues related to the swales, ditches, etc. that convey stormwater into the detention basin including settling, erosion, etc.
4. Overland flow outlet – Identify issues related to the swales, ditches, etc. that convey stormwater out of the detention basin including settling, erosion, etc.
5. Outlet control structure – Identify concerns related to the restrictor plate, pipe, weir or other appurtenance associated with the basin.
6. Emergency weir – Identify issues related to the overflow weir. Specifically note the type of weir (turf, riprap, concrete, other).
7. Other Village utilities – Any other Village utilities located on the parcel should be evaluated including water, sanitary, irrigation, aeration, etc.
8. Shoreline or other erosion – Identify issues related to the loss or movement of soil due to erosion along the shoreline or any other area in the basin and associated property.
9. Energy dissipation (specifically at inlets) – Identify issues related to the slowing or mitigating of flow velocities.
10. Settling – Identify issues related to settlement in the basin, slopes, inlet/outlet pipes or other areas.
11. Water Quality – Identify concerns related to the quality of the water in the basin.
12. Sedimentation/Siltation – Identify issues related to excess sediment in the basin.
13. Volume/Capacity – Confirm the detention capacity of the basin relative to the permitted volume and/or identify concerns if issues are observed.
14. Encroachment – Identify issues in the basin or property related to encroachment by neighboring residents or others. Examples include gardens, playsets, dumping etc., among others.
15. Vegetation assessment – Provide a detailed evaluation of the vegetation on the site including the basin slopes, trees, and all other vegetation.
16. Wildlife management (Waterfowl, muskrats, beavers, etc.) – Identify issues related to wildlife impacts to the basin or related property.

DRAFT

17. Design – Identify the safety shelf or lack thereof of features that may be a concern for the Village.
18. Adjacent land use – Identify issues related to adjacent land uses and their impact on Village-owned property.

The following two criterial were adding during the completion of the study.

19. Presence of fish and/or potential for fish stocking.
20. Coverage of lily pads.

CBBEL developed a project specific collection form, based on the Village's specific concerns, to evaluate the characteristics of each pond. Upon review and concurrence of the evaluation form by the Village, CBBEL visited each site to perform evaluations. Follow up visits were completed to audit results, and re-visit sites that were problematic or had unique circumstances. The evaluation forms are provided in Appendix B, and each pond's specific evaluation form can be also found in the supplied digital files. Photos of the ponds ranked to have the most severe issues can be found in Appendix C. Photos of all other evaluated ponds can be found in digital files provided to the Village.

To assist the Village with developing short and long-term maintenance plans a rating system was developed to allow categorization of the ponds based on a variety of factors.

For this evaluation a score of 5 is the highest priority for maintenance. Ponds ranked 4 should receive maintenance within the next 3 years. Ponds ranked 3 should be maintained after 4's or monitored bi-annually to check if the conditions warrant a higher classification. Ponds ranked 2 have issues which do not require immediate maintenance, but should be evaluated periodically to re-evaluate their status, and 1 is the lowest priority for maintenance, and likewise should be monitored periodically to update their status.

The results are tabulated in Tables 1 through 9 below and within the supplied digital forms for each pond. Appendix A contains a copy of the entire table.

Prioritization of Maintenance Needs

Once all the site visits and evaluations were completed, the ponds were sorted into five categories.

- Dry Ponds with Mown Lawn
- Wetland or Naturalized Ponds (no deep open water)
- Open Water Ponds (native, lawn, or armored shoreline)
- Overgrown ponds with Limited Accessibility
- Lake Sedgewick

DRAFT

There were many ponds that have received minimal maintenance and have become overgrown. These locations were given their own classification since their condition typically resulted in limited accessibility and the ability to properly evaluate the stormwater characteristics and pond infrastructure.

Within each category the ponds were then further sorted into severity classifications. A compilation of the rankings can be found in the Summary tables located in this report and in the provided digital data.

Issues Common to All Pond Evaluations

As mentioned previously, the following issues were found at nearly every pond evaluated and were simply less pronounced at newer ponds. At ponds 20 years and older, these issues were generally very exaggerated.

1. Excess sediment accumulation – regardless of pond type. Sediment removal should be performed, especially in dry ponds to restore design storage capacity.
2. Ponds with open water are trending to eutrophic state, especially as ponds age. A pond begins with mostly water, few nutrients, and little aquatic life. Over time the pond accumulates nutrients, and this enrichment process is called eutrophication.
3. Lack of vegetation management – especially woody vegetation. Lack of vegetative maintenance has allowed significant establishment of dense vegetation which, in some cases, impedes access, accelerates degradation/sedimentation, and negatively impacts infrastructure, causing pipe jacking, joint failures, cracking, blockages, etc.

The following lists the types of ponds evaluated, tabulates similar ponds, and lists the severity of the maintenance needs.

Dry Ponds with Mown Lawn

Dry Ponds with mown lawn interiors can be deceiving because they are routinely mowed, and sediment accumulation is often not apparent. Continual minor accumulations overtime can result in sediment that is up to 3 feet deep in some ponds evaluated. The sediment causes the inlets typically to be recessed below grade. The water exits the pipe, carrying with it sediment from runoff, and dumps it around the end section often creating a low berm around the pipe. The storm sewer must surcharge and enter hydrostatic pressure flow to achieve enough hydrostatic pressure to lift the water up over the sediment. This issue can cause the storm sewer upstream to fill with sediment, or contain standing water, reducing capacity of the storm sewer system. This in some cases results in roadway flooding due to reduced capacity and the surcharge situation.

Similarly, the sediment loading in the pond results in reduced stormwater storage capacity. These deposits are typically deepest at the end sections.

DRAFT

To retain the ponds initial storage capacity and function, the excess sediment should be removed through excavation or dredging. If this accumulation is allowed to persist, the pond will begin forming wet spots and areas with standing-water and backing up storm sewers. Eventually, if left unresolved overtime, it is possible that the entire pond bottom will become an overgrown wetland.

Of special note, Pond 29-04 Mallard Landing, is located adjacent to and drains into a wetland area. The downstream wetland area contained a septic smell. We could not locate a sanitary sewer in the wetland area, but we presume there is a sanitary sewer discharge located in or near the wetland.

The tables below summarize the Dry Bottom evaluation Forms Table 1 below lists the Dry Ponds that require immediate attention. Table 2 is a summary of all Dry Ponds that fall under this category.

Ponds that are rated 4, are highly recommended to be prioritized for maintenance in the very near future.

Table 1 – Summary of Dry Ponds that are recommended to receive immediate attention

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
03-02	Thomas Pond	5	DP	N
06-01	Pinewood North Pond #2	5	DP	N
13-02	Cashew Ponds	5	DP	N
29-04	Mallard Landing Park Pond	5	DP	N
B18-01	Catalina Industrial Pond	5	DP	N

Table 2 – Dry Pond Complete Summary Table

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
01-01	Teton Pond	1	DP	N
01-02	Apache Pond	1	DP	N
02-06	Ishnala Pond	1	DP	N
02-07	Perminas Pond	2	DP	N
02-20	Evergreen View Park	1	DP	N
03-02	Thomas Pond	5	DP	N
03-03	Heritage Pond	2	DP	N
05-01	Countryside Pond	1	DP	N
05-02	Knollwood Pond	1	DP	N
05-05	Persimmon Pond	2	DP	N
06-01	Pinewood North Pond #2	5	DP	N

DRAFT

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
06-02	Pinewood North Pond 1	2	DP	N
06-06	Haverhill Pond	2	DP	N
08-06	Green Manor Pond	3	DP	N
09-15	14403 Irving Avenue	1	DP	N
11-01	Wedgewood Estates Pond 1	3	DP	N
11-02	Wedgewood Estates Pond 2	3	DP	N
13-01	Silver Lake Gardens Pond	4	DP	N
13-02	Cashew Ponds	5	DP	N
13-07	Veritas Pond 3	1	DP	N
13-22	Catalina Highlines East Pond	1	DP	N
13-23	Cataline Highlines West Pond	1	DP	N
14-01	Bob-O-Link Pond	1	DP	N
14-02	Liberty School Pond	2	DP	N
14-03	Edgewood Pond	4	DP	N
14-06	Cachey Pond 4	1	DP	N
14-07	Cachey Pond 1	1	DP	N
14-08	Cachey Pond 3	1	DP	N
14-09	Cachey Pond 2	1	DP	N
14-10	Nissan Pond	1	DP	N
15-03	Torrey Pines Pond	4	DP	N
17-14	Glenlake South Pond	4	DP	N
18-02	Arbor Point Pond	4	DP	N
20-49	Glen Oaks Phase 5	4	DP	N
23-03	Crystal Creek North Pond	4	DP	N
29-01	Victoria Place Pond	1	DP	N
29-04	Mallard Landing Park Pond	5	DP	N
29-06	White Tail Pond	4	DP	N
29-08	Laurel Hills Pond	3	DP	N
29-22	Capistrano South	2	DP	N
29-23	172nd Street Pond	4	DP	N
29-24	Deer Park Point Pond	3	DP	N
29-39	Deer Trail Lot	1	DP	N
30-05	Steeplechase Pond	2	DP	N
30-13	Summercrest Pond	1	DP	N
31-01	Brookhill Pond 1	1	DP	N
31-05	Will-Cook Pond	3	DP	N
31-06	Kiley Pond	2	DP	N
31-13	Whispering Hill West Pond	2	DP	N

DRAFT

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
32-01	Eagle Ridge Pond 1	1	DP	N
32-03	Eagle Ridge Pond 3	1	DP	N
32-07	Diego Pond	2	DP	N
32-08	Amber Pond	2	DP	N
B18-01	Catalina Industrial Pond	5	DP	N
B18-02	Venture Pond	1	DP	N
P28-01	Woodland Shores Pond	4	DP	N

Wetland or Naturalized Ponds – No Deep Open Water

Due to lack of maintenance, initial plantings as wetland and/or have no deep open water component, many pond now contain wetland vegetation. Primary issues with the basins are sediment accumulation and vegetation management. As discussed above for dry ponds, the slow accumulation of sediment over the years can reduce stormwater storage capacity, compromise the storm sewer system, and if not maintained can become excessively overgrown, making future maintenance even more difficult.

The excessive vegetation can block drainage paths and encourage sedimentation. Woody vegetation can block culverts, cause joint separations, and accelerate overall pond degradation. Shoreline erosion is typically less of an issue due to the presence of vegetation that reduces the risk of erosion but is also a concern. Storm inlets and outlets require constant vigilance to make certain blockages are not occurring and the structures do not require maintenance, repair, or replacement. It can be difficult to evaluate the depth of sedimentation because the vegetation obscures the view.

As shown in the Table below, none of these Wetland or Naturalized Ponds requires immediate attention, but there are several that ranked as 4 which should receive maintenance within the next 1 to 3 years.

Table 3 – Wetland or Naturalized Pond Summary Table

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
02-01	Villa West Pond	1	WNP	N
02-04	Caro Vista Pond	4	WNP	N
03-19	Pebble Creek Landscaping West Pond	1	WNP	N
03-20	Pebble Creek Landscaping East Pond	1	WNP	N
05-10	Bunratty Park Pond	1	WNP	N
06-11	Preston Drive Pond	1	WNP	N
09-03	Brown Park Pond	2	WNP	N
13-03	Wildrose Pond	2	WNP	N
13-05	Veritas Pond 2	4	WNP	N

DRAFT

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
13-06	Veritas Pond 1	4	WNP	N
16-17	Parkside Square Pond	2	WNP	N
20-04	Kingsport Pond	4	WNP	N
20-18	163rd Place Industrial Pond	1	WNP	N
31-02	Brookhill Pond 2	4	WNP	N
31-03	Brookhill Retention Wall	2	WNP	N
31-41	Karli Pond	1	WNP	N
31-53	Orland Woods II Pond	2	WNP	N
F04-01	Orland Parkway South Pond	1	WNP	N
F05-01	Orland Parkway West Pond	2	WNP	N

Open Water Ponds – With Natives, Lawn or Armored Shoreline

Open water ponds typically have at least one area that is 6 feet or more deep and that is unvegetated/non-wetland. The primary concerns with open water ponds are shoreline erosion, shoreline vegetation management, and the slow, and in many cases, imperceptible accumulation of organic and mineral sediment on the pond bottom. As the ponds become shallower, they are likely to have more frequent algal blooms, and are more vulnerable to the establishment of invasive plant species. Algal blooms are detrimental because they can cause significant decreases in oxygen levels which impacts aquatic wildlife and promotes additional organic sludge deposition within the pond.

Most open water ponds, regardless of their shoreline type are prone to nuisance wildlife such as muskrats and waterfowl. Muskrats are the most prevalent nuisance in exacerbating shoreline erosion. They increase the rate of erosion by burrowing into the shoreline and consuming large quantities of beneficial aquatic vegetation that would otherwise provide stability. Similarly, waterfowl such as geese create similar issues when frequently visiting the same pond and traveling in large flocks.

Mown grass shorelines are very prone to erosion due to the shallow root depth of lawn grass. Ponds with lawn shorelines typically have eroded shorelines in various states of need for repair.

Native vegetation shorelines are generally less prone to erosion due to the dense root mass, but if the vegetation is not well-established erosion can occur. Many of these ponds likely should have been provided armored shorelines at the time of construction. The rapidly fluctuating water levels, poor soil conditions, high salt/chloride levels in the water due to road salts, along with other pollutants tends to result in bare earth prone to erosion. Clay soils will fare better that sandy or silty soils, but regardless, erosion of various rates is likely to occur. Some ponds would benefit from a retrofit from vegetated to an armored shoreline with subsequent seeding or planting, and routine maintenance.

DRAFT

Ponds with armored shorelines such as riprap tend to have slower rates of erosion and less sediment accumulation. However, just like all the other ponds discussed, overtime, sedimentation of organic and mineral sediments, will slowly accumulate, making the ponds shallower, and promote increase algal blooms and establishment of undesirable plant species.

While the depth or amount of sediment accumulation is not apparent in these ponds, there are often distinct signs that reaffirm this issues prevalence. Many of these ponds have murky water and/or excessive aquatic vegetative growth.

Table 4 below provides a list of the Open Water Ponds that require immediate attention, Table 5 lists all ponds in this category.

Table 4 – Open Water Ponds that are recommended for immediate attention

Pond ID	Pond Name	Rank	Pond Type	Over-Grown	Blue-Green Algae Present
06-03	Pinewood North Pond 3	5	OW	N	
20-01	Beemsterboer Pond	5	OW	N	
P28-02	Lake Lucille Pond	5	OW	N	
P33-01	Mill Creek Pond	5	OW	N	

Table 5 – Open Water Ponds Summary Table

Pond ID	Pond Name	Rank	Pond Type	Over-Grown	Blue-Green Algae Present
01-03	Redondo Pond	1	OW	N	
02-05	Wedgewood Commons Pond	3	OW	N	
02-08	Sunnyside Pond	2	OW	N	
02-09	Nicklaus Pond	4	OW	N	
02-10	87th Ave East Pond	1	OW	N	
03-01	Lamplighter Pond	2	OW	N	
03-10	Tallgrass Pond	2	OW	N	
03-11	Legend Trail Pond	1	OW	N	
05-03	Arbor Ridge Pond	2	OW	N	
05-08	Persimmon Meadow Pond	1	OW	N	
06-03	Pinewood North Pond 3	5	OW	N	
06-05	Creek Crossing Pond	1	OW	N	
06-09	Long Run Creek Park Pond	1	OW	N	
06-17	Greystone Ridge Pond	1	OW	N	
08-24	Crystal Meadow Pond	1	OW	N	
08-25	Royal Oaks Pond	1	OW	N	

DRAFT

Pond ID	Pond Name	Rank	Pond Type	Over-Grown	Blue-Green Algae Present
08-36	Deer Haven II West Pond	2	OW	N	
08-37	Deer Haven II East Pond	1	OW	N	
09-01	Rec. Admin Pond	3	OW	N	
09-02	Village Center	2	OW	N	
10-02	Orland Square	2	OW	N	
10-04	Schussler Pond	2	OW	N	
13-04	Colonades Pond	2	OW	N	
14-05	Orland Goldview Pond	3	OW	N	
14-19	Boley Depressional Area	1	OW	N	
15-01	Village Square Pond	2	OW	N	
15-02	Parkhill Pond 1	3	OW	N	
15-05	Parkhill Pond 3	2	OW	N	
15-06	Helen Pond	3	OW	N	Y
15-10	Lowes Pond 1	2	OW	N	
15-11	Lowes Pond 2	1	OW	N	
15-12	Lowes Pond 3	1	OW	N	
16-01	Treetop Pond #2	4	OW	N	
16-16	156th St. Pond	1	OW	N	
17-03	Equestrian Trail East Pond	3	OW	N	
17-05	Somerglen Pond	3	OW	N	
17-06	Lakeside Pond	4	OW	N	
17-16	Colette Pond	1	OW	N	
18-01	Spring Creek Pond	4	OW	N	
19-03	Rec Center East Pond	3	OW	N	
19-04	Rec Center South Pond	2	OW	N	
20-01	Beemsterboer Pond	5	OW	N	
20-03	Glen Oak Industrial Park	1	OW	N	
20-07	Anthony Drive Pond	1	OW	N	
29-02	Yearling Crossing Pond	2	OW	N	
29-03	Great Egret Pond	4	OW	N	
29-05	Mallard Landing Entrance Pond	1	OW	N	
29-11	Churchill Pond	1	OW	N	
29-12	FawnTrail Pond	3	OW	N	
29-20	Capistrano North Pond	1	OW	N	
29-29	Julie Ann Lane Pond	1	OW	N	
29-30	Warwick Lane North Pond	2	OW	N	
29-31	Warwick Lane South Pond	2	OW	N	

DRAFT

Pond ID	Pond Name	Rank	Pond Type	Over-Grown	Blue-Green Algae Present
31-15	Marley Blvd North Pond	2	OW	N	
31-18	Lakeshore North Pond	2	OW	N	
31-20	Marley Blvd Middle Pond	3	OW	N	
31-21	Marley Blvd South Pond	2	OW	N	
31-22	Marley Blvd West	1	OW	N	
31-31	Breckenridge Blvd South	1	OW	N	
31-32	Imperial West Pond	1	OW	N	
32-02	Eagle Ridge Pond 2	1	OW	N	
32-04	Eagle Ridge Pond 4	3	OW	N	
32-05	Beth Pond	3	OW	N	
P28-02	Lake Lucille Pond	5	OW	N	
P33-01	Mill Creek Pond	5	OW	N	
P34-01	Palos Springs Pond	3	OW	N	
P34-02	Butterfield Pond	1	OW	N	
P35-01	Parkview Estates Pond and Park	2	OW	N	

Overgrown Ponds with Limited Accessibility

There were a considerable number of ponds evaluated that are severely overgrown, to a point where infrastructure could not be found or was very difficult to evaluate due to limited access. In some cases, engineering plans were available, but even with the drawings the inlets and outlets were difficult to locate. Due to their current state, a critical situation has been created because little to no information is available regarding whether the basin and its infrastructure are working properly. The situation indicates possible blockages of the inlets, and likely sedimentation of the pond bottom and tributary storm sewer system or surface drainage. We recommend investing funds as soon as financially feasible to clear the vegetation to a point where an additional assessment can be completed, and the rankings updated as needed.

Table 6 below summarizes those Overgrown Ponds with the highest priority, Table 7 lists all Open Water Ponds within this category.

Table 6 – Overgrown Ponds which are recommended for immediate attention

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
06-07	Creekside Pond	5	OG	Y
16-12	Cemeno Park Pond (Police)	5	OG	Y
17-02	Equestrian Trail West Pond	5	OG	Y
22-01	Seton Place Pond	5	OG	Y

DRAFT

Table 7 – Overgrown Ponds Summary Table

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
02-12	88th North Avenue Pond	2	OG	Y
02-13	140th Street Wetland	4	OG	Y
04-04	Triangle Pond	3	OG	Y
05-04	Ashford Pond	4	OG	Y
05-09	Bunratty Pond	4	OG	Y
06-07	Creekside Pond	5	OG	Y
06-12	Cooper Way Pond	4	OG	Y
10-01	Terry's Lincoln Mercury Pond	4	OG	Y
14-12	Plum Tree Pond	2	OG	Y
16-02	Treetop Pond #1	4	OG	Y
16-10	Orland Health and Fitness Center Pond	4	OG	Y
16-12	Cemeno Park Pond (Police)	5	OG	Y
17-02	Equestrian Trail West Pond	5	OG	Y
17-04	Fawn Creek Lane Pond	4	OG	Y
17-07	Glenlake North Pond	4	OG	Y
17-09	Shire North Pond	4	OG	Y
17-10	Shire South Pond	4	OG	Y
17-15	Ashbourn Point Pond	4	OG	Y
17-17	Ashburn Court Pond	4	OG	Y
17-18	Ashburn Court 2 Pond	4	OG	Y
17-20	Wolf Point Plaza Pond	4	OG	Y
18-03	Grandview Pond	3	OG	Y
18-04	Arbor Lake Pond	4	OG	Y
19-02	Rec Center West Pond	4	OG	Y
19-07	16400 Will-Cook Road Pond	2	OG	Y
20-02	Appleknol Pond	4	OG	Y
22-01	Seton Place Pond	5	OG	Y
29-09	Emerald North Pond	3	OG	Y
29-27	Deer Chase Estates Pond	3	OG	Y
29-28	Deer Chase Estates East Pond	2	OG	Y
30-04	Green Knoll Pond	3	OG	Y
31-04	Greenfield Pond	4	OG	Y
31-12	Whispering Hill East Pond	4	OG	Y
31-14	Autumn Ridge West Pond	3	OG	Y
31-16	Settlers North Pond	4	OG	Y
31-17	Settlers South Pond	4	OG	Y

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
31-28	Autumn Ridge East Pond	3	OG	Y
31-29	Autumn Ridge Middle Pond	4	OG	Y
31-33	Imperial East Pond	3	OG	Y
31-36	Breckenridge Park Pond	4	OG	Y
33-01	Orland Parkway East Pond	2	OG	Y
P34-03	Southwest Highway Industrial Pond	4	OG	Y

Lake Sedgewick

Lake Sedgewick is located within Centennial Park and was separated from the other evaluated ponds because it is substantially different from all other ponds evaluated. The lake has an open water surface area of +/-80 acres. Much of its perimeter consists of dense stands of invasive vegetation of varying widths (cattails and Phragmites). Based on a bathymetric survey of the lake prepared by Hey and Associates (undated), the maximum depth of the lake is 9 feet with most of the lake is within a 4-to-5-foot depth range.

The shoreline ranges from minor erosion to a few locations with active erosion that will require maintenance to address the situation. Most of the erosion appears to be related to areas of high visitor use or due to geese and muskrat herbivory and their ingress and egress from the water.

Based on our evaluation of the site, we did not observe any areas that required immediate attention. As with all large lakes, there are certainly areas which would benefit from routine maintenance to address erosion, and the dense stands of invasive species, etc.

As with all ponds intended to have an open water component, our primary recommendation is to install an aeration system to improve organic sediment decomposition and to help improve oxygenation and aquatic habitat. Please refer to the aeration section below to read about the benefits of aeration.

Overall Restoration Discussion

As discussed above, many of the open water, wet and wetland ponds have a common issue; as time passes, with no intervention, organic sludge accumulates on the pond bottom from the inability of microorganisms to decompose the accumulating organic debris quickly enough. The organic debris overwhelms the ponds' ability to provide enough oxygen to fuel a biologic feast on the organic matter. The organic matter accumulates, leaches out phosphorus and other nutrients that are then used by algae and other aquatic plants to grow. The aquatic plant and algae lifecycle worsens the situation because as they die or go dormant their plant matter likewise settles to the pond bottom and leaches out the nutrients for use by the next generation of plants and algae. This cycle is continuous, self-perpetuating, and accumulating.

DRAFT

Consequently, ponds have a finite life cycle and without maintenance or intervention) to limit the input of nutrients to the pondlife will be reduced. Options available are to capture sediment before it enters the pond, restrict the use of fertilizers within the pond's watershed, hinder animal access when possible, and prevent the addition of organic matter. Finally, the value of aeration in both supporting aquatic life and promoting the decay of waste material cannot be understated.

Please see Appendix E for a discussion of a variety of maintenance and restoration activities and approaches.

Aeration Discussion

We recommend installation of bubble aeration in locations with 4 feet or more depth. In ponds with limited surface area and/or no area greater than 6 feet deep, we recommend, to the extent possible, dredging the lake to create an area at least 6 feet, preferably 8 or 10 feet deep to allow bubble aeration to be installed. Dredging is only recommended when the desired goal is to retain some semblance of the original pond design.

Bubble aeration has numerous benefits:

- Aeration is the process of adding oxygen to water, maintaining healthy levels of dissolved oxygen (DO). DO is one of the most, if not the most important water quality parameter. Dissolved oxygen in the pond will aid in the breakdown of decaying vegetation and other sources of nutrients. This breakdown of bottom silt is carried out by microorganisms at the water/soil interface and continues to proceed a few centimeters deep in the soil.
- Anerobic Verses Aerobic Decomposition: Decomposition of organic matter can be carried out in two ways, aerobically and/or anaerobically. Aerobic decomposition requires a continuous supply of oxygen and proceeds more rapidly (up to 10 times faster) with dissolved oxygen concentrations near saturation levels. The rate of degradation of organic matter in anaerobic conditions is slow, and the end products are organic compounds, such as alcohols and foul-smelling organic acids (the sulfur smell). The improved decomposition facilitated through the addition of oxygen results in less nutrients available for algal blooms and aquatic plant growth and less accumulation of organic sediment on the pond bottom.

The introduction of oxygen can:

- Speed up the rate of organic decomposition – slowly deepening the pond due to increased decomposition
- Reduce the amount of phosphorus, which would otherwise be available for plant/algae growth
- Improve overall water quality
- Thermally and chemically de-stratify the water
- Cause circulation currents that might create favorable conditions for more desirable algae to better compete with blue-green algae

DRAFT

- Decrease the severity of algal blooms and die-offs
- Shift the level of carbon dioxide by venting it into the air, which limits the amount available for use by aquatic plants.
- Aeration will help to prevent thermoclines and anoxic zones from forming in the summer, which benefits all aquatic organisms
- Allow for greater densities of fish
- Eliminate the potential for Spring and Fall turnover which may result in fish kills
- Prevent winter kills caused by low oxygen levels

If aeration is added to ponds, we strongly recommend never turning the units off, except for maintenance. Shutting down the equipment during the winter can harm or kill fish when the unit is turned back on in the spring due to turnover of poorly oxygenated water from the pond bottom. Allowing the unit to operate year-round will not harm the unit and will maximize its benefits. A down fall of such operation is that the open water may attract geese in the winter.

Aerator Cost

Aerators will vary in cost depending on how many air diffusers/re-circulators are installed within each pond. The number of diffusers and re-circulators is based on total pond area and depth. A base cost for a three head system large enough for a 1-acre pond is $5,000 to $6,000 to purchase and install units with new electrical connections for each pond. For the larger ponds the cost to purchase and install aeration in will be roughly $10,000 to $35,000 or more for large ponds/lakes. Ponds that have available electrical connections which could be tapped for bubbler systems will result in a cost savings.

Dredging Discussion

Introduction

As discussed above, we recommend installation of bubble aeration in locations with 4 feet or more depth. In ponds with limited surface area or no area greater than 6 feet deep, we recommend dredging the lake to create an area at least 6 feet, preferably 8 or 10 feet deep to allow aeration to be installed. A general rule of thumb in Northern Illinois in the design of ponds that are intended to support fish is that approximately 25% of the pond should be 10 feet deep. That guidance is intended for ponds with no aeration. With aeration, the pond can be shallower, we recommend that a minimum depth be 6 feet; but deeper is always preferable.

Pond Dredge Evaluation Recommendations

For ponds that appear to be shallower than 4 feet, and aeration is desired, we recommend considering dredging to improve the effectiveness of the systems and the use or horizonal circulators to move water laterally around the pond.

DRAFT

Dredge Method Discussion

Two Methods for Dredging a Pond are to:

1) Dewater the pond and excavate the material conventionally,

2) Hydraulically dredge the sediment.

Conventional Excavation

In this scenario, the ponds would be pumped/dewatered to a nearly dry surface condition and conventional excavation equipment would be used to remove the material. The excavated material would either be stockpiled onsite and used for landscape mounds or berms, or the material would be trucked away and disposed of offsite.

If onsite disposal were found to be not practicable, the material would be disposed of offsite. We recommend dewatering of the material prior to hauling because the volume/weight of the material will be less since the water will have drained away. Offsite disposal will likely be cost prohibitive if the material must be disposed of in a sanitary waste landfill.

Hydraulic Dredging

Hydraulic Dredging consists of divers or a small barge/boat suctioning sediment from the pond bottom, which can be pumped as slurry several thousand feet into Geotubes (porous bags) where the dredged material is allowed to dewater over some period by leaking out of the bags. Geotubes can take 6 – 9 months to dewater; the longer the bags sit, the drier and more compacted the material will be. If divers are used, the work is usually completed when water temperatures are above 55 degrees Fahrenheit. The only limitation for a barge is ice and recharge of the pond.

Once the material is dry, the bags are slit open and the dredge spoil used as a landscape mound, or the material could be hauled off site for disposal. Again, offsite disposal may be cost prohibitive; discussed in more detail below.

An issue with small ponds is that during dry periods, the pumping rate may out pace replenishment of the water and delays may occur while the pond refills.

Algae Control

Algae is a product of excessive nutrient loading. Grass, leaves, branches, and mulch that fall or wash into the ponds leach out phosphorous in a matter of days. In a like manner, lawn fertilizer treatments wash into the ponds significantly increasing nutrient loads as well. This continual cycle of eutrophication has an immense effect on the growth of algae in ponds. To curb the accumulation of nutrients and mitigate the frequency, duration, and severity of algal blooms, CBBEL proposes six recommendations:

DRAFT

Recommendations

1. Install bubble aeration in every pond, where practicable.
2. Remove trees and other invasive woody species along the pond shorelines that contribute significant amounts of organic debris into the ponds.
3. Restrict the use of fertilizers in the development – especially near the water. Use drop spreaders near the water instead of broadcast spreaders, which are likely throwing fertilizer directly into the water.
4. Encourage lawn mowers to blow grass clippings away from the water.
5. Do not allow leaves or branches to be raked into the water.
6. Treat the ponds with Phoslock or alum. Phoslock is a patented phosphorus locking technology to restore water quality in ponds, lakes, and reservoirs. Phoslock was developed to remove phosphorus from water bodies and restore water quality. This technology is applied either as a granule or slurry through customized application equipment.

   Phoslock and alum are usually added as a slurry. As the material sinks through the water column it binds with phosphate. Once settled on the sediment it will continue to bind phosphate released from the sediment, thus controlling one of the major blocks to lake restoration - sediment phosphorus release.

   The ability of Phoslock and alum to bind phosphate is important because phosphate is the form of phosphorus which is biologically available and used by plants - especially algae in lakes, to promote growth. Excessive amounts of phosphate entering water courses is one of the main causes of deterioration of water quality in freshwaters today because of the way it drives algal productivity and undesirable changes in the balance of aquatic life. The process is known as eutrophication. The ability to remove biologically available phosphorus in a lake is therefore a major step towards improving water quality.

Permitting

Permits maybe required under the Cook County Ordinance or Corps of Engineers for the temporary impact to vegetation surrounding the ponds due to heavy equipment that may operate in the pond buffer during dredging or structure repair. A permit from the Corps of Engineers will likely not be required for strictly dredging, which on its own is not a regulated activity. The Corps regulates discharge of material into waters/wetland, and since dredging is removal, it is not regulated. We would recommend submitting to the Corps a request of a Letter of No Objection to document that they concur with that approach.

DRAFT

It is important to remember that spoiling of the dredge material cannot be completed within floodplain, and likely will not be allowed in wetland buffer. Some of the sites may have limited upland area within in which to dispose of the material. A review/design of the projects will be required to assess and address any permit requirements. Engineering design and permitting fees for dredging projects typically range from $15,000 to $30,000 depending on the complexity of the project (aerator installation requires limited engineering and no permitting).

Offsite Dredge Material Disposal Cost

Given the rules in Illinois, it is probable that any dredge material will likely be considered to have low levels of contamination from urban runoff and not eligible to be accepted into a clean construction debris landfill. Due to excessive costs of offsite disposal at a sanitary landfill (+/-$110 per cubic yard), we recommend onsite disposal of dredged material outside of the floodplain as either landscaped berms or mounds. Offsite disposal at a sanitary landfill of 1 acre of soil - 1 foot deep would be +/-$150,000 (not including other project costs).

Onsite Spoiling Cost

The cost to excavate and complete on-site disposal of the material will be +/- $35 per cubic yard (not including other project costs).

Restoration Costs

The following are approximate cost to perform a range of restoration activities.

Brush Clearing

Removal of dense woody vegetation (trees and shrubs) ranges in cost. But a reasonable per acre cost for budgeting purposes is $20,000 per acre. The total size, shape, density, number of large trees all impact the cost. Larger sites with fewer large trees can have a considerably lower cost per acre to clear. It is important to keep in mind. Clearing must be followed up by herbicide management to address re-sprouts and seeding of area will likely be required to vegetate the bare soil that is likely to exist once the woody material is removed.

Shoreline Erosion Repair

The cost to restore eroded pond shorelines will range from $50 per linear foot up to $250 per linear foot based on the severity of the erosion. If the erosion is on a steep embankment that requires a structural repair, costs can exceed $1,000 per linear foot to complete.

Wet Pond Vegetation Management

Wet pond vegetation management has a significant range of costs depending on the types of services proposed. But in general, herbaceous vegetation management, cutting and herbiciding is approximately $400 per acre per year. Cost will decrease with time as the vegetation improves.

DRAFT

Pipe Repair

Basic pipe reset to repair of joints and flared end section separations in ponds will cost about $3,000 or more per structure. Again, if there are multiple repairs in a pond, the costs will likely go down due to economies of scale. For more extensive repairs, a site-specific evaluation will be required with preparation of a engineers estimate of probable cost.

Stormwater Master Plan Future Phase

Within the RFP, the Village of Orland Park requested that the selected consultant provide budget level estimates of the work effort necessary to evaluate storm sewer and creek/stream networks within the community. Both efforts are based on the length of the systems/streams to be evaluated

Stream Evaluation

Stream evaluation is based on miles of channel to be reviewed. CBBEL staff can complete approximately 3 total miles of channel each field day depending on accessibility and would conclude with a summary report. The report will contain plan view mapping of the area annotated with reaches of problem areas, photographs of the various problem areas, suggested repair/restoration alternatives and recommendation and conceptual design details and cost estimates.

Based on the information provided there are nearly 14 miles (13.75) of creek channel in Orland Park, based on that lineage, the cost to visit the sites and prepare a report would be approximately $35,000.

Storm Sewer Evaluation

Completion of a comprehensive storm sewer evaluation can be a major undertaking. Based on the storm sewer GIS data provided by the Village, there are nearly 2.4 million linear feet of storm sewer in the Village (454 miles). The cost to televise storm sewer ranges from 2 to $3 per foot. The lower end of the range is reached when longer lengths of pipe are investigated. On top of the televising the storm sewer, staff must view all the recordings and document problem locations and prepare reports and documentation of the findings.

We estimate the cost to complete an evaluation of each 1,000 feet of storm sewer to be $3,000. The estimated cost to complete an evaluation of the entire system would be approximately $7,500,000 dollars. Instead, the evaluation should focus on main lines and locations where there are documented known issues, where complaints have been registered, or where a visual inspection was not successful at identifying the issue(s).

Alternatively, to help identify which pipes would be evaluated, a hydraulic and hydrology model of the Village could be prepared to evaluate how the storm sewer system function and identify areas of concern related to flooding because of undersized pipes or other issues. Please note that

DRAFT

with the new Illinois State Water Survey Bulletin 75 rainfall data, many storm sewers are now undersized based on the increased rainfall for modeled storm events.

Conclusion

As described above, all ponds have a finite life cycle, and require regular and perpetual maintenance. They will collect sediment, require shoreline and vegetation management and, if they have an open water component, the will trend to be eutrophic slowly converting to wetland. We recommend developing and implementing a comprehensive program to perform routine maintenance to slow or stop the progression, as well as remove built up sediment, repair shorelines, fix storm sewer issues, and perform vegetation management.

CBBEL recommends addressing the issues ranked with a priority of 5 as soon as fiscally possible. CBBEL recommends budgeting to complete those ponds ranked with a 4 priority within the next 1 to 3 fiscal years. Those ponds ranked 3 would then follow once all 5 and 4 priority areas are completed. The following Table Lists all ponds ranked 5 and should receive immediate attention.

Table 8 – Summary of All Ponds Ranked 5

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
03-02	Thomas Pond	5	DP	N
06-01	Pinewood North Pond #2	5	DP	N
06-03	Pinewood North Pond 3	5	OW	N
06-07	Creekside Pond	5	OG	Y
13-02	Cashew Ponds	5	DP	N
16-12	Cemeno Park Pond (Police)	5	OG	Y
17-02	Equestrian Trail West Pond	5	OG	Y
20-01	Beemsterboer Pond	5	OW	N
22-01	Seton Place Pond	5	OG	Y
29-04	Mallard Landing Park Pond	5	DP	N
B18-01	Catalina Industrial Pond	5	DP	N
P28-02	Lake Lucille Pond	5	OW	N
P33-01	Mill Creek Pond	5	OW	N

Table 9 – Summary of All Ponds Ranked 4 – Second highest priority for maintenance

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
02-04	Caro Vista Pond	4	WNP	N
02-09	Nicklaus Pond	4	OW	N
02-13	140th Street Wetland	4	OG	Y

DRAFT

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
05-04	Ashford Pond	4	OG	Y
05-09	Bunratty Pond	4	OG	Y
06-12	Cooper Way Pond	4	OG	Y
10-01	Terry's Lincoln Mercury Pond	4	OG	Y
13-01	Silver Lake Gardens Pond	4	DP	N
13-05	Veritas Pond 2	4	WNP	N
13-06	Veritas Pond 1	4	WNP	N
14-03	Edgewood Pond	4	DP	N
15-03	Torrey Pines Pond	4	DP	N
16-01	Treetop Pond #2	4	OW	N
16-02	Treetop Pond #1	4	OG	Y
16-10	Orland Health and Fitness Center Pond	4	OG	Y
17-04	Fawn Creek Lane Pond	4	OG	Y
17-06	Lakeside Pond	4	OW	N
17-07	Glenlake North Pond	4	OG	Y
17-09	Shire North Pond	4	OG	Y
17-10	Shire South Pond	4	OG	Y
17-14	Glenlake South Pond	4	DP	N
17-15	Ashbourn Point Pond	4	OG	Y
17-17	Ashburn Court Pond	4	OG	Y
17-18	Ashburn Court 2 Pond	4	OG	Y
17-20	Wolf Point Plaza Pond	4	OG	Y
18-01	Spring Creek Pond	4	OW	N
18-02	Arbor Point Pond	4	DP	N
18-04	Arbor Lake Pond	4	OG	Y
19-02	Rec Center West Pond	4	OG	Y
20-02	Appleknol Pond	4	OG	Y
20-04	Kingsport Pond	4	WNP	N
20-49	Glen Oaks Phase 5	4	DP	N
23-03	Crystal Creek North Pond	4	DP	N
29-03	Great Egret Pond	4	OW	N
29-06	White Tail Pond	4	DP	N
29-23	172nd Street Pond	4	DP	N
31-02	Brookhill Pond 2	4	WNP	N
31-04	Greenfield Pond	4	OG	Y
31-12	Whispering Hill East Pond	4	OG	Y
31-16	Settlers North Pond	4	OG	Y
31-17	Settlers South Pond	4	OG	Y

Pond ID	Pond Name	Rank	Pond Type	Over-Grown
31-29	Autumn Ridge Middle Pond	4	OG	Y
31-36	Breckenridge Park Pond	4	OG	Y
P28-01	Woodland Shores Pond	4	DP	N
P34-03	Southwest Highway Industrial Pond	4	OG	Y

DRAFT

Appendix A – Summary Table

Pond ID	Pond Name	Rank	Pond Type	Over-Grown	Blue-Green Algae Present
01-01	Teton Pond	1	DP	N	
01-02	Apache Pond	1	DP	N	
01-03	Redondo Pond	1	OW	N	
02-01	Villa West Pond	1	WNP	N	
02-04	Caro Vista Pond	4	WNP	N	
02-05	Wedgewood Commons Pond	3	OW	N	
02-06	Ishnala Pond	1	DP	N	
02-07	Perminas Pond	2	DP	N	
02-08	Sunnyside Pond	2	OW	N	
02-09	Nicklaus Pond	4	OW	N	
02-10	87th Ave East Pond	1	OW	N	
02-12	88th North Avenue Pond	2	OG	Y	
02-13	140th Street Wetland	4	OG	Y	
02-20	Evergreen View Park	1	DP	N	
03-01	Lamplighter Pond	2	OW	N	
03-02	Thomas Pond	5	DP	N	
03-03	Heritage Pond	2	DP	N	
03-10	Tallgrass Pond	2	OW	N	
03-11	Legend Trail Pond	1	OW	N	
03-19	Pebble Creek Landscaping West Pond	1	WNP	N	
03-20	Pebble Creek Landscaping East Pond	1	WNP	N	
04-04	Triangle Pond	3	OG	Y	
05-01	Countryside Pond	1	DP	N	
05-02	Knollwood Pond	1	DP	N	
05-03	Arbor Ridge Pond	2	OW	N	
05-04	Ashford Pond	4	OG	Y	
05-05	Persimmon Pond	2	DP	N	
05-08	Persimmon Meadow Pond	1	OW	N	
05-09	Bunratty Pond	4	OG	Y	
05-10	Bunratty Park Pond	1	WNP	N	

Pond Type
DP = Dry Pond
WNP = Wetland Naturalized Pond
OG = Overgrown
OW = Open Water

5 is Highest Priority

1 is lowest Priority

06-01	Pinewood North Pond #2	5	DP	N	
06-02	Pinewood North Pond 1	2	DP	N	
06-03	Pinewood North Pond 3	5	OW	N	
06-05	Creek Crossing Pond	1	OW	N	
06-06	Haverhill Pond	2	DP	N	
06-07	Creekside Pond	5	OG	Y	
06-09	Long Run Creek Park Pond	1	OW	N	
06-11	Preston Drive Pond	1	WNP	N	
06-12	Cooper Way Pond	4	OG	Y	
06-17	Greystone Ridge Pond	1	OW	N	
08-06	Green Manor Pond	3	DP	N	
08-24	Crystal Meadow Pond	1	OW	N	
08-25	Royal Oaks Pond	1	OW	N	
08-36	Deer Haven II West Pond	2	OW	N	
08-37	Deer Haven II East Pond	1	OW	N	
09-01	Rec. Admin Pond	3	OW	N	
09-02	Village Center	2	OW	N	
09-03	Brown Park Pond	2	WNP	N	
09-15	14403 Irving Avenue	1	DP	N	
10-01	Terry's Lincoln Mercury Pond	4	OG	Y	
10-02	Orland Square	2	OW	N	
10-04	Schussler Pond	2	OW	N	
11-01	Wedgewood Estates Pond 1	3	DP	N	
11-02	Wedgewood Estates Pond 2	3	DP	N	
13-01	Silver Lake Gardens Pond	4	DP	N	
13-02	Cashew Ponds	5	DP	N	
13-03	Wildrose Pond	2	WNP	N	
13-04	Colonades Pond	2	OW	N	
13-05	Veritas Pond 2	4	WNP	N	
13-06	Veritas Pond 1	4	WNP	N	
13-07	Veritas Pond 3	1	DP	N	
13-22	Catalina Highlines East Pond	1	DP	N	
13-23	Cataline Highlines West Pond	1	DP	N	
14-01	Bob-O-Link Pond	1	DP	N	
14-02	Liberty School Pond	2	DP	N	

14-03	Edgewood Pond	4	DP	N	
14-05	Orland Goldview Pond	3	OW	N	
14-06	Cachey Pond 4	1	DP	N	
14-07	Cachey Pond 1	1	DP	N	
14-08	Cachey Pond 3	1	DP	N	
14-09	Cachey Pond 2	1	DP	N	
14-10	Nissan Pond	1	DP	N	
14-12	Plum Tree Pond	2	OG	Y	
14-19	Boley Depressional Area	1	OW	N	
15-01	Village Square Pond	2	OW	N	
15-02	Parkhill Pond 1	3	OW	N	
15-03	Torrey Pines Pond	4	DP	N	
15-05	Parkhill Pond 3	2	OW	N	
15-06	Helen Pond	3	OW	N	Y
15-10	Lowes Pond 1	2	OW	N	
15-11	Lowes Pond 2	1	OW	N	
15-12	Lowes Pond 3	1	OW	N	
16-01	Treetop Pond #2	4	OW	N	
16-02	Treetop Pond #1	4	OG	Y	
16-03	Lake Sedgwick	**See Written Report**			
16-10	Orland Health and Fitness Center Pond	4	OG	Y	
16-12	Cemeno Park Pond (Police)	5	OG	Y	
16-16	156th St. Pond	1	OW	N	
16-17	Parkside Square Pond	2	WNP	N	
17-02	Equestrian Trail West Pond	5	OG	Y	
17-03	Equestrian Trail East Pond	3	OW	N	
17-04	Fawn Creek Lane Pond	4	OG	Y	
17-05	Somerglen Pond	3	OW	N	
17-06	Lakeside Pond	4	OW	N	
17-07	Glenlake North Pond	4	OG	Y	
17-09	Shire North Pond	4	OG	Y	
17-10	Shire South Pond	4	OG	Y	
17-14	Glenlake South Pond	4	DP	N	
17-15	Ashbourn Point Pond	4	OG	Y	
17-16	Colette Pond	1	OW	N	

17-17	Ashburn Court Pond	4	OG	Y	
17-18	Ashburn Court 2 Pond	4	OG	Y	
17-20	Wolf Point Plaza Pond	4	OG	Y	
18-01	Spring Creek Pond	4	OW	N	
18-02	Arbor Point Pond	4	DP	N	
18-03	Grandview Pond	3	OG	Y	
18-04	Arbor Lake Pond	4	OG	Y	
19-02	Rec Center West Pond	4	OG	Y	
19-03	Rec Center East Pond	3	OW	N	
19-04	Rec Center South Pond	2	OW	N	
19-07	16400 Will-Cook Road Pond	2	OG	Y	
20-01	Beemsterboer Pond	5	OW	N	
20-02	Appleknol Pond	4	OG	Y	
20-03	Glen Oak Industrial Park	1	OW	N	
20-04	Kingsport Pond	4	WNP	N	
20-07	Anthony Drive Pond	1	OW	N	
20-18	163rd Place Industrial Pond	1	WNP	N	
20-49	Glen Oaks Phase 5	4	DP	N	
22-01	Seton Place Pond	5	OG	Y	
23-03	Crystal Creek North Pond	4	DP	N	
29-01	Victoria Place Pond	1	DP	N	
29-02	Yearling Crossing Pond	2	OW	N	
29-03	Great Egret Pond	4	OW	N	
29-04	Mallard Landing Park Pond	5	DP	N	
29-05	Mallard Landing Entrance Pond	1	OW	N	
29-06	White Tail Pond	4	DP	N	
29-08	Laurel Hills Pond	3	DP	N	
29-09	Emerald North Pond	3	OG	Y	
29-11	Churchill Pond	1	OW	N	
29-12	FawnTrail Pond	3	OW	N	
29-20	Capistrano North Pond	1	OW	N	
29-22	Capistrano South	2	DP	N	
29-23	172nd Street Pond	4	DP	N	
29-24	Deer Park Point Pond	3	DP	N	
29-27	Deer Chase Estates Pond	3	OG	Y	

29-28	Deer Chase Estates East Pond	2	OG	Y	
29-29	Julie Ann Lane Pond	1	OW	N	
29-30	Warwick Lane North Pond	2	OW	N	
29-31	Warwick Lane South Pond	2	OW	N	
29-39	Deer Trail Lot	1	DP	N	
30-04	Green Knoll Pond	3	OG	Y	
30-05	Steeplechase Pond	2	DP	N	
30-13	Summercrest Pond	1	DP	N	
31-01	Brookhill Pond 1	1	DP	N	
31-02	Brookhill Pond 2	4	WNP	N	
31-03	Brookhill Retention Wall	2	WNP	N	
31-04	Greenfield Pond	4	OG	Y	
31-05	Will-Cook Pond	3	DP	N	
31-06	Kiley Pond	2	DP	N	
31-12	Whispering Hill East Pond	4	OG	Y	
31-13	Whispering Hill West Pond	2	DP	N	
31-14	Autumn Ridge West Pond	3	OG	Y	
31-15	Marley Blvd North Pond	2	OW	N	
31-16	Settlers North Pond	4	OG	Y	
31-17	Settlers South Pond	4	OG	Y	
31-18	Lakeshore North Pond	2	OW	N	
31-20	Marley Blvd Middle Pond	3	OW	N	
31-21	Marley Blvd South Pond	2	OW	N	
31-22	Marley Blvd West	1	OW	N	
31-28	Autumn Ridge East Pond	3	OG	Y	
31-29	Autumn Ridge Middle Pond	4	OG	Y	
31-31	Breckenridge Blvd South	1	OW	N	
31-32	Imperial West Pond	1	OW	N	
31-33	Imperial East Pond	3	OG	Y	
31-36	Breckenridge Park Pond	4	OG	Y	
31-41	Karli Pond	1	WNP	N	
31-53	Orland Woods II Pond	2	WNP	N	
32-01	Eagle Ridge Pond 1	1	DP	N	
32-02	Eagle Ridge Pond 2	1	OW	N	
32-03	Eagle Ridge Pond 3	1	DP	N	

32-04	Eagle Ridge Pond 4	3	OW	N	
32-05	Beth Pond	3	OW	N	
32-07	Diego Pond	2	DP	N	
32-08	Amber Pond	2	DP	N	
33-01	Orland Parkway East Pond	2	OG	Y	
B18-01	Catalina Industrial Pond	5	DP	N	
B18-02	Venture Pond	1	DP	N	
F04-01	Orland Parkway South Pond	1	WNP	N	
F05-01	Orland Parkway West Pond	2	WNP	N	
P28-01	Woodland Shores Pond	4	DP	N	
P28-02	Lake Lucille Pond	5	OW	N	
P33-01	Mill Creek Pond	5	OW	N	
P34-01	Palos Springs Pond	3	OW	N	
P34-02	Butterfield Pond	1	OW	N	
P34-03	Southwest Highway Industrial Pond	4	OG	Y	
P35-01	Parkview Estates Pond and Park	2	OW	N	

Appendix B – Pond Evaluation Data Forms

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**01-01**						
Site Name:	**Teton Pond**						
Evaluator(s)	**Kyle Burke**						
Date:	**08-13-2021**						
Time:	**09:00am**						**Pond Ranking: 1**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	19-02					
Site Name:	Rec Center West Pond					
Evaluator(s)	Adam Janicki					
Date:	08/12/2021					
Time:	02:30PM					
Weather:	77 Degrees F, Partly Cloudy					
Approx. days since last precip:	1					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		3	Overgrown vegetation upstream and downstream face
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	Submerged and overgrown
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x			x	4	Submerged and overgrown
15. Low flow trash rack:	x			x		4	Needs vegetation removed
a) Is debris removal necessary?	x			x		4	Needs vegetation removed
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		4	Unknown depth due to overgrowth
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		4	Overgrown phragmites marsh
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	Flared end sections are overgrown in phragmites and need veg. removal
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a - unkown due to overgrowth
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x					
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated				
% Coverage of bare earth?	x		<3% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Overgrown phragmites marsh				
Dominant Vegetation? - describe	x		Phragmites				
% Vegetative Cover	%Veg	97%	%Open Water		Comment:		no open water (wetland)
Sediment accumulation?	x		Undetermined (minimal)				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	No erosion to minor erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Needs phragmites control, especially around infrastructure (cannot fully assess due to overgrowth). This pond is a wetland, thus sometimes has standing water.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**19-03**						
Site Name:	**Rec Center East Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-12-2021**						
Time:	**02:45pm**						**Pond Ranking: 3**
Weather:	**77 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?		x		x		3	Lack of vegetation on shoreline and slope
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		3	Shoreline erosion due to bare spots
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x					
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Submerged underwater and with sediment
Plastic			x				
CMP			x				
Masonary							
14. Low flow orifice clear?		x		x		3	See above comment
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?	x			x		3	Submerged underwater with sediment accumulation (see photos)
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		2	Slope protection (netting) around pond is failing and entangling fish
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Little to no native flora
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?							
28. Other?	x			x		3	Plant native vegetation
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Bare slopes: need to be vegetated
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		Unknown - submerged

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		Lack of vegetation on shoreline and slope
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Needs planted buffer
Are Sideslopes well vegetated?		x	
Healthy? - describe	x		Although, little to no vegetation on slopes, shoreline, nor in water
% Coverage of bare earth?	x		~50% bare (shoreline has little to no vegetation)
Excessive erosion?		x	
Wetland bottom? - describe	x		Murky/low visability, weedy submerged vegetation in water
Dominant Vegetation? - describe		x	Sparse weeds

% Vegetative Cover	%Veg	10%	%Open Water	90%	Comment:	
Sediment accumulation?	x		Undetermined			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	95%		2		Minor but needs plantings	
% of total moderate 6 - 12 inches	5%		2		Minor but needs plantings	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish and muskrats present, fish were entangled (and released) in shoreline netting.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Difficult to fully assess the infrastructure since each FES is submerged in water. There may be blockages within the pipes.

Most of the shoreline is bare or sparsely vegetated - there needs to be seeding or planting to mitigate future issues.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**19-04**						
Site Name:	**Rec Center South Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-12-2021**						
Time:	**03:15pm**						**Pond Ranking: 2**
Weather:	**77 Degrees F**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Lawn grass
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		2	Monitor embankment erosion
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x			Partially submerged, filled w/sediment
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?	x			x		1	Minor sediment accumulation
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		1	Minor sediment accumulation
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Queen Anne's lace
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		3	Little vegetation, lots of bare spots, visible erosion
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Visible erosion around outlet/inlet
39. Other? (specify in comments / comments section below)	x			x		3	Inlet submerged in water with 3-4" of sediment inside; trash rack broken
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Little vegetation			
Are Sideslopes well vegetated?		x	Little vegetation			
Healthy? - describe		x	Little vegetation			
% Coverage of bare earth?	x		~40% bare - needs blanketing and seeding			
Excessive erosion?	x		Erosion around entire pond			
Wetland bottom? - describe	x		Small amount of sediment			
Dominant Vegetation? - describe		x	n/a - needs blanketing and seeding			
% Vegetative Cover	%Veg	20%	%Open Water	80%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	0%					
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	100%		3		Pond surrounded by active erosion	
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Over a foot of erosion surrounding entire pond. Slopes and shorelines are mostly bare and need blanketing/seeding to mitigate sedimentation from erosion.

Other Utility Comments:

Flared end sections are submerged in water and contain at least 3-4" sediment accumulation. One FES trash rack is broken off.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**19-07**						
Site Name:	**16400 Will-Cook Road Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-08-2021**						
Time:	**09:00am**						
Weather:	**65 Degrees F, Sunny**						
Approx. days since last precip:	**1**						
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		

Pond Ranking: 2

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway*	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	*No engineering plans, cannot locate infrastructure and spillway
1. Present -Found?		x					
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?			x				
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?							
a) For hand labor?	x				x		Through brush
b) For heavy equipment?	x			x			May need to clear paths to access entire spillway
13. Other? (specify in comments below)			x				
Notes/comments:	Spillway undetermined due to overgrowth and no site plans. Trekked along pond shoreline and permieter of basin where permissable (overgrown and cannot locate infrastructure). Pond is in good condition. Wetland South of 19-07 could be overflow/spillway.						

Outlet/Riser Condition**							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	**Cannot locate due to overgrowth and no site plans
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure**	**Question**			**Maintenance Necessary**		**Rank How Critical**	**Cannot locate due to overgrowth and no site plans**
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Weedy growth around pond
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Moderately, some uprooted trees on shoreline
28. Other?							
Comments:	This pond is in good condition, despite being unable to locate infrastructure and determine spillway. There are no significant issues pertaining to erosion, muskrats, excessive floating debris/trash accumulation, nor flooding.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition* **							***Unable to locate
37. Rip-rap failures			x				
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		Murky water/overgrown
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-native
Are Sideslopes well vegetated?	x		Dense scrub shrubs/non-natives
Healthy? - describe	x		Well-vegetated and wildlife present
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Very sparse native wetland vegetation, murky bottom
Dominant Vegetation? - describe	x		Phragmites, mulberry, buckthorn, goldenrod, honeysuckle

% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:	
Sediment accumulation?	x		**Depth:** Undetermined			
Comments:	Needs paths cleared to infrastructure (if present)					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	30%	1	Not a significant issue
% of total moderate 6 - 12 inches	50%	1	Not a significant issue
% of total severe >12 inches	20%	2	Monitor/riprap around infrastructure (if necessary)

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

Minor to moderate erosion - not significant (see photos).

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Many amphibians and fish present.

Visual Water Quality Concerns:

Murky water, no vegetative cover on water surface.

Basin Capacity Concerns - Sedimentation:

Undetermined.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

For the locations I was able to assess, the pond appears to be functioning as should and is in stable condition.

There are no significant issues with the pond aside from being unable to locate infrastructure and spillway due to overgrowth and unavailability of engineering plans.

Given its location and assuming there no damaged infrastructure nor residential flooding, this pond is given low priority of maintenance.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**20-01**						
Site Name:	**Beemsterboer Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-03-2021**						
Time:	**01:50pm**						**Pond Ranking: 5**
Weather:	**74 Degrees F, Rainy**						**Priority Ranking System**
Approx. days since last precip:	**0**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway located in SE corner
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?	x			x		2	Frequent muskrat and beaver activity
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		Through Eastern parking lot
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	Joint failure - potential blockage
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		4	Underwater - suggests blockage
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				Unknown due to water depth
18. Outfall channel functioning?	x			x		3	Outfall channel appears to be functioning, although pond water level is high
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		5	3 inlets (East shoreline) are completely detached/cracked into water
a) Cracks or displacement?	x			x		5	See above comment
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		5	Check all infrastructure (most have failed)
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	Weedy around and in pond
25. Excessive floating debris?		x			x		
26. Visible pollution?	x			x		2	Around slopes due to industrial location
27. Evidence of shoreline erosion?	x			x		3	Moderate to severe around pond
28. Other?			x				
Comments:	This pond appears to be abandoned. Most of the infrastructure is broken and needs repairs/resetting. According to engineering plans, pond was supposed to be in residential area, although it is now industrial.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Severe around FES's
39. Other? (specify in comments / comments section below)	x			x		5	3 inlets (East shoreline) are completely detached/cracked into water
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor	x	

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Non-natives throughout			
Are Sideslopes well vegetated?	x		With non-natives			
Healthy? - describe		x	Disturbed industrial pond, needs maintenance			
% Coverage of bare earth?	x		<5% bare			
Excessive erosion?	x		Moderate to severe around pond			
Wetland bottom? - describe	x		Very muddy/murky water, no visability			
Dominant Vegetation? - describe	x		Teasel, phragmites, reed canary, and Canadian thistle			
% Vegetative Cover	%Veg	~10%	%Open Water	~90%	Comment:	Water milfoil
Sediment accumulation?	x		Depth: Undetermined			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	0%					
% of total moderate 6 - 12 inches	60%		3		Monitor erosion	
% of total severe >12 inches	40%		4		Need slope protection around infrastructure in near future	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	All FES are at risk of cracking/failing

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Muskrat and beaver activity around all shorelines. Fish present.

Visual Water Quality Concerns:

Very murky water with no visability. 0% lily pad coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Very high water level (FES's are >75% submerged) and multiple FES's on East shoreline are broken off into water.

Engineering plans portrayed residential zones around pond although is currently industrialized.

Pond seems to have been abandoned (no native vegetation, poor infrastucture, severe erosion, etc.).

Likely a blockage in outlet pipe causing a high water level. Unable to locate outfall in outfall channel.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**20-02**						
Site Name:	**Appleknol Pond**						
Evaluator(s)	**Adam Janicki & Michael Downs**						
Date:	**08-11-2021**						
Time:	**02:55pm**						
Weather:	**75 Degrees F, T-Storm**						
Approx. days since last precip:	**0**						
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Unable to determine spillway - entire pond is very overgrown
1. Present -Found?			x				
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?			x				
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Unable to locate outlet - entire pond is very overgrown
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				Unable to locate infrastructure
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		4	Very weedy (scrub shrubs)
25. Excessive floating debris?		x			x		
26. Visible pollution?	x			x		3	Debris/trash dumping around pond
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		Woody invasives
Healthy? - describe	x		Weedy but well-vegetated
% Coverage of bare earth?	x		<5% bare
Excessive erosion?		x	
Wetland bottom? - describe	x		No emergent vegetation, very dark/murky water, no algae
Dominant Vegetation? - describe	x		Teasel, buckthorn, mulberry, callery pear, black alder, sandbar willow
% Vegetative Cover	%Veg	0%	%Open Water 100% Comment:
Sediment accumulation?	x		undetermined
Comments:	n/a		

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	No erosion/minor
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No		Comment:	Could not locate

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

No engineering plans/utilities very overgrown (cannot locate).

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Needs extensive weeding and paths cleared to infrastruture.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**20-03**						
Site Name:	**Glen Oak Industrial Park**						
Evaluator(s)	**Michael Downs**						
Date:	**9/9/2021**						
Time:	**10:52am**						**Pond Ranking: 1**
Weather:	**72 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**2**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		2	Dense cattails, low concern
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	(see below)
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	Dense sandbar willow, black locust and buckthorn growth on slopes. Basin dominated by broadleaf and narrowleaf cattail.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x		x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**		**Fair**		**Poor**	x	Scrub-shrub overgrown
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x					
Are Sideslopes well vegetated?		x					
Healthy? - describe	x						
% Coverage of bare earth?	x						
Excessive erosion?		x					
Wetland bottom? - describe	x		Dense cattails				
Dominant Vegetation? - describe	x		Cattails, sandbar willow, black locust, buckthorn				
% Vegetative Cover	%Veg	70%	%Open Water		30%	Comment:	
Sediment accumulation?	x		Depth: 1-2"				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	Minor
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Low concern and functional, but could use weed control.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**20-04**						
Site Name:	**Kingsport Pond**						
Evaluator(s)	**Michael Downs & Brad Nowak**						
Date:	**9/9/2021**						
Time:	**11:20pm**						**Pond Ranking: 4**
Weather:	**80 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**2**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?		x		x		3	<~1.5' freeboard
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?		x			x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic		x			x		
CMP		x			x		
Masonary		x			x		
14. Low flow orifice clear?	x			x		4	Orifice submerged, blockage likely
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x	3	Minor blockage
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			
a) Cracks or displacement?		x					
b) Minor spalling?		x					
c) Major spalling - rebar exposed?		x					
d) Joint failures?	x			x		3	Joint failure in Southwest corner
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?	x			x		3	Purple loosestrife and common reed
31. Standing water or wet spots?	x			x		4	1.5'-2' of standing water
32. Sediment/trash accumulation?	x				x		
33. Low flow channels?			x		x		
34. Other? (specify in comments section below)			x				Outfall flowing down slope over rip-rap into creek. Lot area is mowed turf.
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x			Unable to locate Northwest inlet
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?	x		Holes in ground near joint failure

45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Phragmites and purple loosestrife			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Native plantings and annual grasses			
% Coverage of bare earth?		x	0-5%			
Excessive erosion?		x				
Wetland bottom? - describe	x		Standing water with emergent plant community			
Dominant Vegetation? - describe	x		Phragmites and purple loosestrife			
% Vegetative Cover	%Veg	90%	%Open Water	10%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	Joint failure in Southwest corner

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

The outlet is submerged; water level is holding 1'-2' at outlet location suggesting complete blockage.

Wildlife Comments/Concerns:

Beaver activity present and may be the cause of the blockage at the outlet.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**20-07**						
Site Name:	**Anthony Drive Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-23-2021**						
Time:	**02:30pm**						**Pond Ranking: 1**
Weather:	**84 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	Spillway is on Eastern slope of pond draining to sidewalk/street.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x				x	1	Minor erosion <6"
28. Other?			x				
Comments:							

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x				x	1	Monitor erosion around inlets/outlets
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x		Planted native prairie				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Few non-natives				
% Coverage of bare earth?	x						
Excessive erosion?		x					
Wetland bottom? - describe	x		Native weltand vegetation (burr reed, iris, spikerush, cattail, etc.)				
Dominant Vegetation? - describe	x		Planted native prairie vegetation on slopes and burr reed in water along shore				
% Vegetative Cover	%Veg	10%	%Open Water		90%	Comment:	
Sediment accumulation?	x		Depth: Undetermined (minor)				
Comments:							

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	90%	1	Erosion is not major/ affecting slopes or pond
% of total moderate 6 - 12 inches	10%	1	Monitor erosion around inlets
% of total severe >12 inches			

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

Monitor around infrastructure.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Few muskrat burrows (minor); frogs and fish present.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond/basin is very healthy and contains a lot of native flora.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**20-18**						
Site Name:	**163rd Place Industrial Pond**						
Evaluator(s)	**Michael Downs & Brad Nowak**						
Date:	**9/9/2021**						
Time:	**12:15pm**						**Pond Ranking: 1**
Weather:	**75 Degrees F, Partly Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?		x		x		1	Ground uneven at spillway
3. Adequate vegetation and groundcover? Overgrown?		x			x	2	Site has been recently blanketed and seeded
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x				x		Site is blanketed
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?		x		x		1	Site was recently seeded and blanketed
30. Non-native dominance?		x			x		
31. Standing water or wet spots?	x				x	1	Water near outlet
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?		x	Low seed coverage			
Healthy? - describe		x	Low growth, native shrubs in poor condition			
% Coverage of bare earth?	x		90%			
Excessive erosion?		x				
Wetland bottom? - describe		x	n/a			
Dominant Vegetation? - describe	x		Cover crops			
% Vegetative Cover	%Veg	15%	%Open Water	0%	Comment:	Recently seeded
Sediment accumulation?		x	Depth:			

Comments:	Site recently seeded, low growth coverage.

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	Freshly graded and seeded
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

May have issues if seed does not take. Monitor site.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Silt fence BMP and straw wattle BMPs were not removed.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**20-49**						
Site Name:	**Glen Oaks Phase 5**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-23-2021**						
Time:	**02:00pm**						**Pond Ranking: 4**
Weather:	**83 Degrees F, Sunny/Fair**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway connects to 20-03 (Western basin).
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x				x	2	Monitor riprap rock piles in front of infrastructure
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?	x			x		4	Phragmites spreading/turning into wetland
31. Standing water or wet spots?	x			x		4	Turning into wetland bottom
32. Sediment/trash accumulation?	x			x		2	>~3-6" sediment accumulation
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	(See comment this page)
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Lawn grass/weedy wetland growth			
Are Sideslopes well vegetated?	x		Lawn grass			
Healthy? - describe	x		Needs maintenance			
% Coverage of bare earth?		x	0% Bare			
Excessive erosion?		x				
Wetland bottom? - describe	x		Dry bottom turning into wetland bottom (phragmites/sedges)			
Dominant Vegetation? - describe	x		Lawn grass/sedges/phragmites			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~3-6" Accumulation			

Comments:	*39. Other:* Remove vegetation inside and around inlets/riprap barriers in front of inlets. >6" sediment accumulation/remove vegetative growth.

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor/no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Monitor sediment accumulations, especially along inlets/riprap.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Appears that dry pond is developing wetland bottom (wettland flora/wet spots).

Remove phragmites/clear vegetation around inlet (SE). (4)

Likely will need to dredge/reset inlets due to sediment accumulation and excessive growth of wetland vegetation. (4)

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	22-01					
Site Name:	Seton Place Pond					
Evaluator(s)	Michael Downs					
Date:	09-09-2021					
Time:	01:15pm					
Weather:	80 Degrees F, Partly Cloudy					
Approx. days since last precip:	1					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 5

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x			x			See comment below
2. Spillway level?		x		x		2	Holes in spillway
3. Adequate vegetation and groundcover? Overgrown?		x		x		3	Recently herbicided - needs seeding
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		3	Slope eroding from muskrats/sparse veg.
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?	x			x		3	Muskrat burrows
9. Seeps or leaks on downstream face?	x				x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?		x			x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Cannot locate infrastructure; overgrown
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			
a) Cracks or displacement?	x			x		4	1 cracked inlet broken off into water
b) Minor spalling?	x			x		1	Minor spalling on another inlet
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		4	Failed into pond
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		4	No vegetation nor shoreline buffer
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		4	Excessive phragmites growth
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		4	Throughout all pond shoreline
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	Could not locate NE inlet
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Non-native dominance			
Are Sideslopes well vegetated?		x	Needs blanketing and seeding			
Healthy? - describe		x	Excessive herbicide use and bare slopes			
% Coverage of bare earth?	x		~80% bare			
Excessive erosion?	x		No shoreline protection and muskrats contributing			
Wetland bottom? - describe	x		Murky and open water, phragmites marsh			
Dominant Vegetation? - describe	x		Phragmites			
% Vegetative Cover	%Veg	50%	%Open Water	50%	Comment:	Half pond phragmites, half open water
Sediment accumulation?	x		Depth: Undetermined			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	0%		
% of total moderate 6 - 12 inches	20%	2	Monitor
% of total severe >12 inches	80%	4	Slope protection recommended and muskrat mitigation

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

See above comments.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Muskrats a signifcant issue and contributor to shoreline erosion.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Site has been heavily herbicided resulting in completely bar slopes and shorelines. This site needs blanketing and native seed establishment.

Flared end section's and pipe joint failures need to be repaired. Piles of debris/sticks in pond should be removed.

Phragmites needs to be controlled before it overtakes the site and continues to establish dominance.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**23-03**						
Site Name:	**Crystal Creek North Pond**						
Evaluator(s)	**Michael Downs & Adam Janicki**						
Date:	**09-13-2021**						
Time:	**04:30pm**						**Pond Ranking: 4**
Weather:	**85 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**6**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*The pond outlet is buried. Remove sediment to open outlet back up.
Type: Concrete	x			x			Completely blocked with sediment
Plastic		x			x		
CMP		x			x		
Masonary		x			x		
14. Low flow orifice clear?		x		x		3	Clear sediment
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		3	Clear sediment
18. Outfall channel functioning?		x		x			Clear sediment
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		3	~12' at outlet
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x			Minor above outfall
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		Blocked outlet pipe

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?	x		~2% bare
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		~12' sediment accumulation at outlet			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Sediment accumulation ~12" at outlet that needs removal in near future.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Basin's FES and pipe is clogged, but the basin's bottom is dry and shows no indication of holding water at any point in time. Recommend removing excess sediment as soon as possible.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**P28-01**						
Site Name:	**Woodland Shores Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-12-2021**						
Time:	**10:45am**						**Pond Ranking: 4**
Weather:	**82 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway is the Northern slope/corner of basin
1. Present -Found?							
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x				x		
6. Cracking, bulging, or slumping?		x					
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)	x			x		3	See comments below
Notes/comments:	Significant sediment has accumulated around and inside the outlet FES (12-24"). This sediment and vegetation is restricting the outflow of stormwater. (see digital photos)						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Northern outlet with FES and weir trash rack
Type: Concrete	x			x		3	Sediment and vegetation removal
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		3	Blocked by sediment and vegetation
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x			x		3	Settling around weir (exposed cement)
a) Is debris removal necessary?	x			x		1	Large sticks inside weir
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?	x			x		3	~12" inside FES and 12-24" at entrance of FES
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			See comments below
a) Cracks or displacement?		x			x		
b) Minor spalling?	x			x		1	
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		3	Joint separation at NW and SW inlets
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?	x			x		3	6-24" sediment accumulation
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		3	Sediment accumulation and joint separation
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		Aside from joint separation (monitor)
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated				
% Coverage of bare earth?	x		<1% bare				
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	~99%	%Open Water		0%	Comment:	
Sediment accumulation?	X		Depth: 6-24" - dependent on location (greater depth at FES's)				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Significant sediment accumulation at flared end sections (2 inlets and outlet) should be removed. Vegetation and sediment should be removed to mititgate restrictions of the flow of stormwater into and out of the pond.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**P28-02**						
Site Name:	**Lake Lucille Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-12-2021**						
Time:	**08:45am**						**Pond Ranking: 5**
Weather:	**74 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Functioning well
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			See comments below
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		4	Multiple joint failures (See page 4)
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	>12" (severe) erosion of Western shoreline
28. Other?	x			x		1	
Comments:	Residents using algaecide to reduce algae coverage on water.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Around intlets on N and NW shorelines
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		corrosion and joint failures

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?	x		Potential on middle of N shoreline and NW shoreline of pond (decks)
43. Complaints from residents?	x		Residents "do not want village help" in managing pond (See page 4)
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?	x		Holes cause by joint failures

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?		x	Residents prefer riprap or river rock as shoreline buffer
Healthy? - describe		x	Lot's of algaecide used (blue hue), no aquatic vegetation, mostly bare slopes
% Coverage of bare earth?	x		Exluding shoreline rocks, bare earth spots <15%
Excessive erosion?	x		Severe along Western shoreline
Wetland bottom? - describe	x		Clear water with blue hue, algae on bottom (only aquatic vegetation)
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	60	1	Monitor annually
% of total moderate 6 - 12 inches	20	1	Monitor annually
% of total severe >12 inches	20	2	Monitor, apply slope protection in severe spots

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

The Western slope has the most significant concern regarding shoreline erosion - monitor.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present.

Visual Water Quality Concerns:

Blueish hue to water as a result of algaecide use by residents, 0% lily pad coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

The residents around this pond are hesitant towards receiving the Village's assistance in managing the pond. Multiple residents claim that they have been managing the pond for decades and spending their personal finances.

The infrastructure in this pond, specifically the inlets, require repairs due to corrosion and/or joint failures. The North and NE inlets have joint failures with hazardous holes (5). The NE inlet pipe is visable 2ft. underground through the residents lawn.

The NW inlet contains ~4-6" of sediment 4ft. into the pipe (2).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		1	Minor sediment removal
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		1	~2" sediment accumulation
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?	x			x		1	~2" accumulation (insignificant)
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		2	Bare spots: E slope and drainage manholes
30. Non-native dominance?		x			x		
31. Standing water or wet spots?	x			x		1	Wetspots in middle of pond bottom
32. Sediment/trash accumulation?	x			x		1	~6" sediment accumulation
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		Excluding bare spots on E slope and around drainage manholes
Healthy? - describe	x		
% Coverage of bare earth?	x		~5% bare
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		~6" across pond bottom			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Drainage manhole have ~3" sediment buildup (minor).

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

~6" sediment accumulation throughout the pond bottom.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Large bare spots around drainage manholes and E slope.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**01-02**						
Site Name:	**Apache Pond**						
Evaluator(s)	**Kyle Burke**						
Date:	**08-13-2021**						
Time:	**10:30am**						**Pond Ranking: 1**
Weather:	**79 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		1	Wire mesh at top of NW manhole is filled with debris
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		Minor bare spots in middle of pond bottom
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Well-vegetated			
% Coverage of bare earth?	x		~1% bare			
Excessive erosion?		x				
Wetland bottom? - describe			n/a			
Dominant Vegetation? - describe			n/a			
% Vegetative Cover	%Veg	~99%	%Open Water	~1%	Comment:	
Sediment accumulation?		x	Depth:			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Wire mesh at top of NW manhole is filled with debris.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in great condition and functioning optimally.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**01-03**						
Site Name:	**Redondo Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-01-2021**						
Time:	**08:20am**						**Pond Ranking: 1**
Weather:	**72 Degrees F, Partly Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway is South of pond towards empty lot
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Unable to locate
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		1	Minor
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Natives mixed in with non-natives			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Well-vegetated for most part and no significant ecological issues			
% Coverage of bare earth?	x		<10% bare			
Excessive erosion?		x				
Wetland bottom? - describe	x		Clear, shallow water with algae growth			
Dominant Vegetation? - describe	x		Algae, nodding beggarticks, carex, goldenrod, queen annes lace			
% Vegetative Cover	%Veg	~20%	%Open Water	~80%	Comment:	Algae coverage
Sediment accumulation?	x		Depth: Undetermined (minimal)			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	70%		1		Very minor - monitor annually	
% of total moderate 6 - 12 inches	30%		1		Not significant - monitor	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish and waterfowl present.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

This is a healthy pond that could use some weeding and additional planting of native flora in sparsely vegetated spots.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**02-01**						
Site Name:	**Villa West Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**08-13-2021**						
Time:	**10:55am**						**Pond Ranking: 1**
Weather:	**80 degrees, partly cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		Fence around pond
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		2	Vegetation is blocking orifice
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x		x		
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				Cannot see. Blocked by vegetation
18. Outfall channel functioning?			x				Cannot see. Blocked by vegetation
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				Cannot see. Blocked by vegetation
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good		Fair		Poor		Cannot see

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: Appears to be ~12" at outlet			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

There is a fence around the basin, so CBBEL was only able to inspect the basin from the outside. However, the pond seems to be in good condition.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**02-04**						
Site Name:	**Caro Vista Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-16-2021**						
Time:	**01:00pm**						**Pond Ranking: 4**
Weather:	**81 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x	2	Mostly submerged (monitor)
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			See comments below
a) Cracks or displacement?	x			x			See page 4
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		3	SW inlet
d) Joint failures?	x			x		4	SW inlet failure, E inlet separation
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	S and E slopes are weedy
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		3	Most severe erosion on Southern shore
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Major erosion on S shorelines at inlets
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		Joint failure and separation in 2 inlets

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required	x		Residents mowing Southern slope and shoreline
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		Needs weeding
Healthy? - describe	x		Well-vegetated and wildlife present
% Coverage of bare earth?	x		<2% bare
Excessive erosion?	x		Only on S shoreline
Wetland bottom? - describe	x		murky with algae and hornwort/milfoil
Dominant Vegetation? - describe	x		non-natives: teasel, thistle, reed canary grass
% Vegetative Cover	%Veg	5%	%Open Water 95% Comment:
Sediment accumulation?	x		Depth: Undetermined

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	0%					
% of total moderate 6 - 12 inches	70%		1		No significant issues - monitor	
% of total severe >12 inches	30%		3		Major erosion on S shoreline (protect infrastructure)	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

NE slope manholes have major spalling of pipes. Sidewalk on NE slope appears to be greatly affected by stormwater system below - sidewalk is bulging and cracking (hazardous). SW inlet has joint failure and is cracking off into pond.

Wildlife Comments/Concerns:

Fish present (likely carp).

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**02-05**						
Site Name:	**Wedgewood Commons Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-03-2021**						
Time:	**09:10am**						**Pond Ranking: 3**
Weather:	**70 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		3	Upstream face of spillway on shoreline
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x						
13. Other? (specify in comments below)	x				x		
Notes/comments:	Spillway is located on the SE corner across 80th Avenue into wetland.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	SE corner of pond
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		4	Excessive severe erosion around pond
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?							
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures	x			x		3	Riprap at N inlet displaced in water
38. Evidence of slope erosion?	x			x		4	Severe erosion around pond and at inlets
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?	x		Shoreline erosion severity and rapidly increasing in backyards
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-native
Are Sideslopes well vegetated?	x		~75% well-vegetated, some bare/sparsely vegetated slopes
Healthy? - describe	x		For the most part it is well-vegetated and is habitable for fish/wildlife
% Coverage of bare earth?	x		<5% bare
Excessive erosion?	x		Severe erosion around pond (1-4ft.)
Wetland bottom? - describe	x		No aquatic vegetation, murky/no visability
Dominant Vegetation? - describe	x		Slopes: teasel, sweet clover, goldenrods, callery pear, green ash

% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:	
Sediment accumulation?	x		Undetermined			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	0%					
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	100%		4		Recommend riprap to protect shoreline	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	All infrastructure

Shoreline Erosion Comments/Concerns:

Shoreline erosion is the main issue with this pond needing maintenance. The erosion is most severe and increasing the fastest on sparsely vegetated slopes in residential backyards - lawn grass provides virtually no protection.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Waterfowl, fish, and muskrats present.

Visual Water Quality Concerns:

Very murky water with no visability. 0% lily pad coverage.

Basin Capacity Concerns - Sedimentation:

Given the severity of erosion, sedimentation accumulation in the pond is definite. However, the depth and effect of this accumulation is unknown.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**02-06**						
Site Name:	**Ishnala Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-16-2021**						
Time:	**12:00pm**						**Pond Ranking: 1**
Weather:	**80 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway in SW corner of pond
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Manhole in SW corner of pond
Type: Concrete	x			x		2	Debris at bottom of manhole
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Well-vegetated			
% Coverage of bare earth?		x				
Excessive erosion?		x				
Wetland bottom? - describe			n/a			
Dominant Vegetation? - describe			n/a			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x	x	Depth: ~3-4"			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in great condition.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**02-07**						
Site Name:	**Perminas Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-03-2021**						
Time:	**09:55pm**						**Pond Ranking: 2**
Weather:	**72 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway is in SE corner
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?					x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	No outlet structure
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x					
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		3	~1ft. sediment accumulation
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		3	~1ft. sediment accumulation inside and around FES
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?		x	0% bare
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		~1ft. (highest around FES)			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Significant sediment accumulation from 143rd Street into SE corner of basin (needs sediment removed from inside).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in good condition, only issue is sediment accumulation at FES (sediment can restrict flow).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**02-08**						
Site Name:	**Sunnyside Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**8-13-2021**						
Time:	**11:15am**						**Pond Ranking: 2**
Weather:	**80 degrees**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x		x		
11. Emergency Spillway clear?		x			x		
12. Access available for maintenance?		x			x		
a) For hand labor?		x			x		
b) For heavy equipment?		x			x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Joint failures, see pictures
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x				x	1	Small patches of purple loosestrife
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		1	Minor erosion
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x				x	1	Minor
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good		Fair	x	Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	Supposed to be planted with natives according to signage				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?	x		~3% bare earth				
Excessive erosion?		x	Minor erosion				
Wetland bottom? - describe		x	No vegetation in water/very murky				
Dominant Vegetation? - describe	x		White sweetclover and yellow indiangrass				
% Vegetative Cover	%Veg	2%	%Open Water		98%	Comment:	
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Small amount of 3" erosion at points in pond	
% of total moderate 6 - 12 inches	05					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in good condition aside from needing weed control and repair of outlet joints.

Pond supposed to be planted with native flora - too many non-natives.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**02-09**						
Site Name:	**Nicklaus Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-16-2021**						
Time:	**11:00am**						**Pond Ranking: 4**
Weather:	**80 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*The pond outlet orifice appears to be blocked causing elevated water levels in pond.
Type: Concrete	x			x		3	Likely blockage of flow
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x			x	3	Debris/trash has accumulated inside
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	~1-3" (minor) - outlet FES is submerged in water
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			See comments below
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		3	SE outlet and W inlet joint separation
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?	x			x		3	
Comments:	Pond water level is high (most of FES's are submerged) - most likely due to the debris/trash accumulation restricting outflow in orfice located in the SE manhole.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		Check for blockage in outlet pipe
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x						
Are Sideslopes well vegetated?	x		Few bare spots				
Healthy? - describe	x		Overall, no significant ecological issues				
% Coverage of bare earth?	x		5% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Vegetated with algae and pondweed, clear water				
Dominant Vegetation? - describe	x		Burr reed, spikerush, pondweed, Virginia and Canada wildrye grass				
% Vegetative Cover	%Veg	~15%	%Open Water	~85%	Comment:		Algae and pondweed coverage
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Very minor erosion - monitor annually	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

High water level in pond - likely the result of a blockage in outflow. Flared end sections are submerged. There is significant trash/debris in the SE manhole that could be clogging the low flow orfice. Recommend removal of debris and further inspection.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**02-10**						
Site Name:	**87th Ave East Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-17-2021**						
Time:	**4:00pm**						**Pond Ranking: 1**
Weather:	**82 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**5 days**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		2	Clear debris/veg. on outlet
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x			x		2	
a) Is debris removal necessary?	x			x		2	Clear brush/veg. on outlet trash rack
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		N/A x
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		Minimal vegetation growth in pond
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:							

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	60/40 Invasives/natives
Are Sideslopes well vegetated?	x		Some slopes (East) densely vegetated (weed control)
Healthy? - describe	x		Well-vegetated - manage invasive species
% Coverage of bare earth?	x		0% bare
Excessive erosion?		x	n/a
Wetland bottom? - describe	x		Murky water/minimal algae and veg.
Dominant Vegetation? - describe	x		Black alder, purple loosestrife, big bluestem, Joe pieweed

% Vegetative Cover	%Veg	<1%	%Open Water	99%	Comment:	
Sediment accumulation?	x		Undetermined			
Comments:						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	Minimal erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Muskrat burrows along pond shorline. Fish present in pond (unable to identify species), healthy habitat.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond slopes need invasive/weed control (black alder, teasel, black walnut, purple loosestrife, sandbar willow). (3)

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**02-12**						
Site Name:	**88th North Ave Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**08-13-2021**						
Time:	**02:30pm**						**Pond Ranking: 2**
Weather:	**80 degrees, sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		3	Overgrown vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?		x		x		3	Overgrown vegetation blocking access to outlet
12. Access available for maintenance?		x		x		3	See above comment
a) For hand labor?		x		x		2	See above comment
b) For heavy equipment?		x		x		3	Difficult to access due to overgrown veg.
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Overgrown with non-natives/invasives
Type: Concrete	x			x		3	Overgrown - cannot locate/assess
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	Dense invasive growth
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				Located 1 inlet; the pond is very overgrown
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe		x	Murky/silty water with no aquatic vegetation
Dominant Vegetation? - describe	x		Teasel
% Vegetative Cover	%Veg	0%	%Open Water 100% Comment:
Sediment accumulation?		x	Depth:
Comments:	n/a		

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

Very murky water with no aquatic vegetation.

Basin Capacity Concerns - Sedimentation:

Sedimentation likely although not significant and undetermined depth.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is functioning properly although needs extensive weed control of invasives. Paths should be cleared to infrastructure.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	02-13					
Site Name:	140th Street Wetland					
Evaluator(s)	Brad Nowak					
Date:	08-13-2021					
Time:	03:00pm					
Weather:	80 degrees, sunny					
Approx. days since last precip:	1					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 2

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Very overgrown naturalized pond - cannot locate infrastructure nor spillway
1. Present -Found?		x		x		3	Overgrown
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?			x				
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?	x			x		3	Difficult to access
a) For hand labor?	x			x		2	Possible but difficult (around entire pond)
b) For heavy equipment?		x		x		3	Cannot access
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Unable to locate due to overgrown vegetation
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments: Unable to locate**
20. Concrete/masonary/manhole conditions:			x				
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?	x			x		3	Overgrown with invasives
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)	x			x		3	Overgrown; unable to locate infrastructure
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Basin filled with dense invasives/scrub shrubs
Are Sideslopes well vegetated?	x		
Healthy? - describe		x	Disturbed naturalized pond
% Coverage of bare earth?	x		0% bare earth
Excessive erosion?		x	
Wetland bottom? - describe	x		Reed canary grass, phragmites and teasel
Dominant Vegetation? - describe	x		Reed canary grass, phragmites and teasel

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?		x				
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	No erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Unable to find any structures because the basin is completely overgrown. Inaccessible to heavy machinery and difficult for any maintenance.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**02-20**						
Site Name:	**Evergreen View Park**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-16-2021**						
Time:	**03:00pm**						**Pond Ranking: 1**
Weather:	**80 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?		x			x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		1	Minor wet spot at inlet FES
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Well-vegetated			
% Coverage of bare earth?		x				
Excessive erosion?		x				
Wetland bottom? - describe			n/a			
Dominant Vegetation? - describe			n/a			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?		x	Depth:			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in great condition and is functioning optimally.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**03-01**						
Site Name:	**Lamplighter Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-19-2021**						
Time:	**04:00pm**						**Pond Ranking: 2**
Weather:	**82 Degrees F, Partly Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**0**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?	x			x		2	Shoreline muskrat burrows
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x		x		
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		2	Debris removal (top of weir trash rack)
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x			x		2	Remove debris on trash rack
a) Is debris removal necessary?	x			x		2	See comment above
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Purple loosetrife
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x				x		Minor
28. Other?	x			x		2	See comment below
Comments:	There is excessive purple loosetrife growth on the slopes (very invasive).						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures	x				x		
38. Evidence of slope erosion?	x			x		2	NE inlet severe erosion
39. Other? (specify in comments / comments section below)	x			x		2	Dumping of organic waste by resident at inlet FES
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?	x		Dumping of organic waste at Eastern inlet FES (significant pile restricting outfall)
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-native
Are Sideslopes well vegetated?		x	Weedy/sparsely vegetated
Healthy? - describe	x		Needs weed control
% Coverage of bare earth?	x		<15% bare
Excessive erosion?		x	
Wetland bottom? - describe	x		No aquatic veg, murky water, and purple loosetrife dominance
Dominant Vegetation? - describe	x		Purple loosetrife and lawn grass

% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:	
Sediment accumulation?		x	Depth:			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	99%		1		Monitor anually	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	1%		2		NE inlet	
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

NE inlet severe erosion due to lack of vegetation and lawn grass on shoreline.

Other Utility Comments:

Dumping of organic waste at FES of Eastern inlet.

Wildlife Comments/Concerns:

Muskrat burrows and fish present.

Visual Water Quality Concerns:

0% lily pad coverage and murky /silty water.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Recommended weed control of invasive purple loosetrife and monitor dumping (affecting sediment accumulation in front of inlet).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**03-02**						
Site Name:	**Thomas Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-19-2021**						
Time:	**04:30pm**						**Pond Ranking: 5**
Weather:	**82 degrees F, partly cloudy**						**Priority Ranking System**
Approx. days since last precip:	**0 days**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x			x		3	Basin has significant sediment accumulation
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	Significant sediment accumulation across pond basin, thus reducing the effectiveness and storage capacity of basin; There are 5 total outlets in this pond basin and 1 inlet.						

Outlet/Riser Condition (x5)							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	Sediment & Debris (comments this page)
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		3	Sediment & Debris (comments this page)
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		5	Joint failure (see comments this page)
a) Cracks or displacement?		x			x		
b) Minor spalling?	x			x		1-2	Minor on 3 outlets (western)
c) Major spalling - rebar exposed?	x			x		3	Major on 2 outlets (rebar exposed)
d) Joint failures?	x			x		5	Far NW outlet & east outlet (major hazard)
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x			x		4-5	Joint failures in multiple outlets; significant (12+") sediment accumulation in pond
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	*Type: Concrete* : significant (>12") sediment accumulation and debris in structure/around mouth of structure. *#17* : All 5 outlets have debris and 3 to 12", or more of sediment accumulation inside.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				Lawn grass
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		5	>12" Sediment accum. (some areas 2 to 3.5')
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)	x			x		4	(See comments page 4)
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		5	Major/severe sediment accumulation at inlet (~3 ft) blockage of inflow
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?	x		Joint failures at 2 outlets causing deep holes in the ground.

45. Asthethics:	Good		Fair	x	Poor		
46. Does the pond have a safety shelf?	Yes		No		N/A	x	Unknown

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?		x	0% bare
Excessive erosion?		x	
Wetland bottom? - describe		x	
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: 12" - 3', accumulation			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor/no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

[5] Inlet (3-3.5') sediment accumulation (need to dredge); [4] Outlets (12"-24") sediment accumulation; causing flooding and blockages.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Well-vegetated basin.

Outfall channel = weedy, but functions.

5 Outlets (need dredging/clearing/resetting. (4)

1 Inlet (severely blocked/overgrown) with 3-3.5 ft. of sediment; likely need to dredge. (5)

5 Outlets (4 on Western side / 1 on Eastern side); Western outlets: significant >12" sediment accumulation around mouth and debris blockage inside; Eastern outlet: joint failure and buried in >12" sediment/overgrown (hazardous hole).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**03-03**						
Site Name:	**Heritage Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-03-2021**						
Time:	**08:30am**						**Pond Ranking: 2**
Weather:	**69 Degrees F, Partly Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	NW corner spillway into Concord Dr.
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		2	Minor spalling and cracking at bottom
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		3	SE inlet FES and low flow channel cracking
a) Cracks or displacement?	x			x		3	See comment above
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		3	~12" at SE inlet along channel
33. Low flow channels?	x			x		3	Cracking of low flow channel at SE inlet
34. Other? (specify in comments section below)	x			x		3	Cracking of low flow channel is allowing water to seep under cement channel
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Severe at SE inlet FES
39. Other? (specify in comments / comments section below)							
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Well-vegetated			
% Coverage of bare earth?		x				
Excessive erosion?		x				
Wetland bottom? - describe			n/a			
Dominant Vegetation? - describe			n/a			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~12" at SE inlet along low flow channel, undetermined throughout pond			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	99%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	1%		3		SE inlet severe erosion around FES	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	SE inlet FES cement exposed

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Cracking of concrete most severe where FES connects to low flow channel (allowing for seepage underneath channel).

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Sediment accumulation apparent along low flow channel and around both inlet FES's.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is functioning optimally but will need minor repairs.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**03-10**						
Site Name:	**Tallgrass Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**08-13-2021**						
Time:	**11:35am**						**Pond Ranking: 2**
Weather:	**80 degrees, partly cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?	x				x	1	Few muskrat burrows
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		3	Northwest inlet has debris clog and failure
21. Pond drain valve:		x			x		
a) Operational?		x			x		
b) Chained or locked?		x			x		
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x			x		3	Northwest inlet has debris clogging
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	Fair amount of purple loosestrife
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		3	Northwest pipe joint failure and debris
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance	x		Very weedy
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?	x		<1% bare earth
Excessive erosion?		x	
Wetland bottom? - describe	x		Clear, open water with wetland veg. along shoreline (pondweed, smartweeds, etc.)
Dominant Vegetation? - describe	x		Big bluestem
% Vegetative Cover	%Veg	0%	%Open Water 100% Comment:
Sediment accumulation?		x	Depth:

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Very minor erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Few muskrat burrows; fish present.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in good condition and has minor issues.

Monitor NW pipe joint failure for restrictions in flow.

Weed control of non-natives (i.e. purple loosetrife) recommended.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**03-11**						
Site Name:	**Legend Trail Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**8-13-2021**						
Time:	**12:00pm**						**Pond Ranking: 1**
Weather:	**80 degrees, partly cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?	x			x		2	Numerous muskrat burrows
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?		x		x		2	Dense vegetation
12. Access available for maintenance?		x		x		2	Vegetation blocking access
a) For hand labor?		x		x			Difficult to access
b) For heavy equipment?		x		x			Very difficult to access
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:					x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		1	Purple loosestrife
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x						
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?	x		~2%, few bare spots				
Excessive erosion?		x					
Wetland bottom? - describe		x	Open water with pondweed along shoreline				
Dominant Vegetation? - describe	x		Big bluestem and sweet coneflower				
% Vegetative Cover	%Veg	~5%	%Open Water	~95%	Comment:		
Sediment accumulation?		x	Depth:				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Lots of muskrat holes.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**03-19**						
Site Name:	**Pebble Creek Landscaping West Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-19-2021**						
Time:	**03:00pm**						**Pond Ranking: 1**
Weather:	**76 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**0**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	2 - 12" pipe outlets, 1 with FES
Type: Concrete			x				
Plastic	x			x		2	Clear vegetation and debris (N outlet)
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x			x		2	See above comment
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		1	Minor accumulation ~2"
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		2 manholes with orfices are clear of debris and sediment (outlet control structure)
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)		x	x		x		
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x		High native diversity; well-maintained				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		See above comment				
% Coverage of bare earth?		x	0% bare; aside from pathway on top of slope				
Excessive erosion?		x					
Wetland bottom? - describe	x		Vegetated with prairie and wetland natives				
Dominant Vegetation? - describe	x		Cananda wildrye, common spikerush, sneezeweed, soft-stem bulrush, etc.				
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:		
Sediment accumulation?		x	Depth:				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion to minor erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Very well-managed natural landscape.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**03-20**						
Site Name:	**Pebble Creek Landscaping East Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-19-2021**						
Time:	**02:30pm**						**Pond Ranking: 1**
Weather:	**76 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**0**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		Through parking lot
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		May be difficult due to surrounding fence
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	18" pipe outlet with FES
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x						
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		High diversity of native prairie and wetland flora				
% Coverage of bare earth?	x		<1% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		<6" standing water; high diversity of wetland flora				
Dominant Vegetation? - describe	x		Dark green bulrush, Canada wildrye, Virginia wildrye, lady's thumb				
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:		
Sediment accumulation?		x	Depth:				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	99%		1		No erosion to minor erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	1%		2		Monitor erosion of riprap on birm	
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Very well-maintained basin with predominantly native prairie and wetland flora.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**04-04**						
Site Name:	**Triangle Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-19-2021**						
Time:	**02:00pm**						
Weather:	**77 Degrees F, Partly Cloudy**						
Approx. days since last precip:	**0**						
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		
MMP Available?	**Yes**		**No**	x	**Rev'd?**		
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		

Pond Ranking: 3

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		Difficult to access since there is a block wall and fence around pond
a) For hand labor?	x			x			
b) For heavy equipment?		x			x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Unable to locate due to inaccessibility and overgrowth
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				Undetermined location
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	Excessive phragmites growth (weedy)
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?			n/a
Healthy? - describe		x	Murky water and phragmites
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Murky water and phragmites
Dominant Vegetation? - describe	x		Phragmites

% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:	
Sediment accumulation?		x				
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Cannot locate outlet. Eastern fencing is falling down/broken. Many inlets feed into this pond (most through waterfalls).

Wildlife Comments/Concerns:

No fish apparent.

Visual Water Quality Concerns:

No aquatic veg. and very murky.

Basin Capacity Concerns - Sedimentation:

There is a lot of water feeding into this pond.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond provides storage for a lot of runoff, thus it is important to monitor and maintain to its highest capacity.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**F04-01**						
Site Name:	**Orland Parkway South Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-15-2021**						
Time:	**08:50am**						**Pond Ranking: 1**
Weather:	**62 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**8**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		Must enter from Orland Parkway (North) - traffic on road
a) For hand labor?	x				x		
b) For heavy equipment?	x						
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Unable to locate outlet
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				Unable to locate infrastructure
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?	x			x		1	Cattail/teasel
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		Unable to locate

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x				
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Well-vegetated, no major issues			
% Coverage of bare earth?		x				
Excessive erosion?		x				
Wetland bottom? - describe	x		Dry cattail marsh			
Dominant Vegetation? - describe	x		Cattail and teasel			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?		x	Depth:			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	No erosion to minor erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Cannot locate utilities.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond appears to be functioning fine. No major issues.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**F05-01**						
Site Name:	**Orland Parkway West Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-15-2021**						
Time:	**09:10am**						**Pond Ranking: 2**
Weather:	**63 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**8**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway is toward intersection of Orland Parkway and Wolf rd.
1. Present -Found?					x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		Need to enter from Orland Parkway and likely will need to park on grass (over curb)
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete			x				
Plastic	x			x		2	6-8" orfice, needs vegetation removal
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x			x	2	Needs debris/vegetation removal
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		3	~3" sediment
18. Outfall channel functioning?	x			x			
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?	x			x		2	Phragmites/teasel control
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		3	Remove vegetation growing inside FES
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated and functioning properly
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Dry bottom with cattails and phragmites
Dominant Vegetation? - describe	x		Phragmites, cattails, and teasel

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Insignificant			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Insignificant erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

FES and orfice are overgrown with cattails and phragmites (need to be cleared to ensure optimal function).

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond could use non-native control and removal of vegetation growing in and around infrastructure.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**05-01**						
Site Name:	**Countryside Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-02-2021**						
Time:	**03:20pm**						**Pond Ranking: 1**
Weather:	**80 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway is located in the NW corner/Northern drainage swale
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	FES SW corner
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		2	>12" sed. Accumulation around SW channel
33. Low flow channels?	x				x		Good condition
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Severe slope erosion around inlet FES's
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated with lawn grass
% Coverage of bare earth?	x		<2% bare
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		6-12" depending on location (higher around FES's and cement channel)			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	99%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	1%		3		Monitor around FES's (apply protection when necessary)	
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Sediment accumulation of at least 8-12" is apparent at the SW corner of the basin. The accumulation of sediment is higher at the FES's due to the runoff from impervious surfaces feeding into pond.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in optimal condition.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**05-02**						
Site Name:	**Knollwood Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-09-2021**						
Time:	**03:00pm**						**Pond Ranking: 1**
Weather:	**83 Degrees F**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	X				X		
3. Adequate vegetation and groundcover? Overgrown?			x				Mowed lawn
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?	x			x			
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x			Outlet should be cleared
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x			Removal of ~2"sediment in outlet
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?	x				x		Minor spalling
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		Some bare spots
30. Non-native dominance?			x				Lawn/mowed grass
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?	x				x		Small low-flow channel East slope
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	n/a
Sediment accumulation?		x	Depth:				

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Slight erosion West slope	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

West slope erosion (minor), dry patches.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Monitor wetland vegetation growth in low flow channel.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**05-03**						
Site Name:	**Arbor Ridge Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-10-2021**						
Time:	**10:50am**						**Pond Ranking: 2**
Weather:	**84 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		1	<6" along shoreline/upstream face
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?	x			x		1	Minor holes from muskrats
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Submerged due to debris blockage
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		3	Check manhole restrictor for blockage
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?	x			x		3	~1ft. Sediment accumulation
18. Outfall channel functioning?	x			x		3	Needs debris and overgrown vegetation cleared - potential clog
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		1	Minor to moderate (no risks)
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		Check outlet/restrictor for blockage
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x						
Are Sideslopes well vegetated?	x		High native flora diversity				
Healthy? - describe	x		Well-vegetated with natives				
% Coverage of bare earth?		x	0% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Murky water/low visability, algae growth				
Dominant Vegetation? - describe	x		Iris, soft-stem bulrush, spikerush, swamp milkweed, coneflower,etc.				
% Vegetative Cover	%Veg	~10%	%Open Water		~90%	Comment:	algae and partially submerged veg.
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	80%		1		Minor erosion - no issues	
% of total moderate 6 - 12 inches	20%		1		Monitor annually, no issues	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish and muskrat present.

Visual Water Quality Concerns:

0% lily pad coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Blockage of outlet low flow orfice and restrictor likely. Debris inside manhole at outlet needs to be removed.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	05-04					
Site Name:	Ashford Pond					
Evaluator(s)	Adam Janicki					
Date:	08-10-2021					
Time:	01:15pm					
Weather:	95 Degrees F, Clear					
Approx. days since last precip:	1					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Cannot locate spillway - overgrown
1. Present -Found?			x				Fully vegetated pond
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?			x				
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition*							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Could not locate - overgrown vegetation
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		4	Needs weed control
25. Excessive floating debris?			x				
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?	x			x		4	Excessive non-native vegetation - needs maintenance
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	6"+ standing water at inlet pipe, overgrown w/vegetation-blocking flow
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor	x	Spalling/cracking/chipping

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:				
Native Predominance		x					
Are Sideslopes well vegetated?	x						
Healthy? - describe		x	Overgrown, non-native				
% Coverage of bare earth?		x	0% Bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Cattails, phragmites, and reed canary grass				
Dominant Vegetation? - describe	x		Cattails, phragmites, and reed canary grass				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	Minor erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Likely sedimentation occurring in pond due to standing water in pipe.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Residents dumping grass clippings into pond.

Very overgrown, unable to find/assess all infrastructure.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**05-05**						
Site Name:	**Persimmon Pond**						
Evaluator(s)	**Joe Wilk**						
Date:	**08-10-2021**						
Time:	**02:00pm**						**Pond Ranking: 2**
Weather:	**91 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Concrete spillway
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x			x	2	Lawn debris buildup (see images)
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?	x			x		3	Pond has ~1ft. sediment accumulation
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		2	Wet spots forming (becoming wetland)
32. Sediment/trash accumulation?	x			x		3	>1ft. sediment accumulation
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		1	2-3" sediment inside inlet pipe
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?	x		<1% bare
Excessive erosion?		x	
Wetland bottom? - describe		x	Beginning to become wetland bottom due to wet spots
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	99%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~1ft.			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion/minor	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

2ft. hole in basin bottom near outlet pipe (North side) 2x2ft.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

At least 1 ft. sediment accumulation throughout pond bottom.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**05-08**						
Site Name:	**Persimmon Meadow Pond**						
Evaluator(s)	**Joe Wilk**						
Date:	**08-10-2021**						
Time:	**01:00pm**						**Pond Ranking: 1**
Weather:	**90 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway was not found
1. Present -Found?			x				
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?			x				
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?	x			x		2	Debris in outlet and near pipe
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?	x			x		2	Trash/sticks/cinder blocks (on bottom)
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x		Native dominance managed by Pizzo Group				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Lot's of native vegetation				
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe	x		Alage in pond, no emergent vegetation				
Dominant Vegetation? - describe	x		Tallgrass prairie grasses (Canada wildrye, Virginia wildyre, switchgrass, etc.)				
% Vegetative Cover	%Veg	10%	%Open Water		90%	Comment:	
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Insignificant	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Top 2 rows of cinderblock retaining wall are falling into the water (repair in near future).

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

Fair amount of algal growth (may be of concern) - see images.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pizzo Group ecological restoration in process.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	05-09						
Site Name:	Bunratty Pond						
Evaluator(s)	Adam Janicki						
Date:	09-02-2021						
Time:	03:45pm						**Pond Ranking: 4**
Weather:	80 Degrees F, Sunny						**Priority Ranking System**
Approx. days since last precip:	4						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	Yes	x	No		Rev'd?		**2/3 - Maintenance Active issues - monitor**
MMP Available?	Yes		No	x	Rev'd?		**4 - Maintenance Recommended Soon**
Planting Plan Available?	Yes		No	x	Rev'd?		**5 - Urgent Maintenance Required**

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Overgrown wetland - cannot fully assess.
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition*							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Inaccessible due to overgrowth
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				Unknown
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments: Overgrown**
20. Concrete/masonary/manhole conditions:	x			x		4	NE & SW inlets could not be assessed; assessment is for SE inlet and manhole
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Overgrown - infrastructure inaccessible
30. Non-native dominance?	x			x		4	Invasives
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		**For SE inlet only
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		Based off pipes in manholes

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?	x		Overgrown mess
a) Mowing required	x		
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments: Wetlands, although invasives
Native Predominance		x	Invasives
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?	x		
Excessive erosion?		x	<5% Bare
Wetland bottom? - describe	x		non-native dominance/overgrown
Dominant Vegetation? - describe	x		

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank**	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches			**Unable to assess due to overgrowth
% of total moderate 6 - 12 inches			
% of total severe >12 inches			

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Very overgrown with invasives. Needs clearing/weed control to be able to access infrastructure.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**05-10**						
Site Name:	**Bunratty Park Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-10-2021**						
Time:	**11:40am**						**Pond Ranking: 1**
Weather:	**87 Degrees F**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Lawn grass
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		2	See comment below
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?	x			x		2	Filled with brush
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?	x			x		2	Removal of cattails, purple loosestrife
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Cattails, purple loosestrife, sandbar willow			
Are Sideslopes well vegetated?	x					
Healthy? - describe		x	Many invasives, few natives on upland slope			
% Coverage of bare earth?		x	0% Bare earth			
Excessive erosion?		x				
Wetland bottom? - describe	x		Cattail marsh (dry)			
Dominant Vegetation? - describe	x		Cattails/purple loosestrife, goldenrods			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?		x	Depth: Unknown			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor to no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Everything looked really good aside from non-natives in basin (could use weed control.)

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**06-01**						
Site Name:	**Pinewood North Pond #2**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-10-2021**						
Time:	**09:45am**						**Pond Ranking: 5**
Weather:	**83 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**X**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**X**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**X**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Pond/spillway in good condition.
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Mowed grass
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	Spalling, visable rebar
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?	x			x		2	Major spalling
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			X			Hazardous condition*
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		4	Outlet rebar exposed
d) Joint failures?	x			x		5	Joint failure/settling caused large hole on SE top of slope by open storage manhole*
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		Lawn grass
30. Non-native dominance?			x		x		Lawn grass
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?	x			x		1	Clear of debris, minor algae
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	Potential landowner enchroachment at S. inlet
43. Complaints from residents?	x		Yes, hazardous hole on SE slope at open storage manhole (kids/dog play area)
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?	x		Yes, deep hole in SE slope by open stoage system manhole (residents covered with cement bricks)

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		No significant ecological issues
% Coverage of bare earth?		x	0% bare
Excessive erosion?		x	
Wetland bottom? - describe		x	
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	Good
Sediment accumulation?		x	Depth:			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion apparent	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Major issue at SE end, hazard to kids/pedestrians.~3 ft. or more deep next to manhole (open storage) by inlet (residents covered with cinder blocks/cement bricks).

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Potential Southern inlet encroachment from homeowner.

Sinkage/settling at center outfall open storage system.

Major issue at SE end, hazard to kids/pedestrians.~3 ft. or more deep next to manhole (open storage) by inlet (residents covered with cinder blocks/cement bricks).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**06-02**						
Site Name:	**Pinewood North Pond 1**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-09-2021**						
Time:	**11:00am**						**Pond Ranking: 2**
Weather:	**80 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x					
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?					x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Joint failure and sediment accumulation
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		2	Blocked by sediment ~6-8" in FES
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	~6-8" in FES
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		3	See comment below
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		3	Joint failure with hole at outlet pipe
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		3	~1ft. sediment throughout pond bottom
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Well-vegetated; no significant ecological issues			
% Coverage of bare earth?		x				
Excessive erosion?		x				
Wetland bottom? - describe			n/a			
Dominant Vegetation? - describe			n/a			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~1 ft. throughout pond bottom			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Apparent water main leak causing slope failure/settling (East-central embankment near cul de sac).

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond will likely need dredging in future due to ~1 ft. sediment accumulation throughout the pond bottom. Joint failure with hazardous hole will need repairs as well.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**06-03**						
Site Name:	**Pinewood North Pond 3**						
Evaluator(s)	**Adam Janicki & Michael Downs**						
Date:	**09-13-2021**						
Time:	**11:30am**						**Pond Ranking: 5**
Weather:	**78 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**6**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x			x		5	Joint failure with holes at upstream face
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		4	Upstream face and around outlet FES
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		Enter from gap in between houses adjacent to McCabe Dr.
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	Spillway into 06-01 across McCabe Dr.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		5	Joint failure with hazardous holes
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		4	Debris restricting flow
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		5	NW manhole near FES at spillway has hazardous holes due to settling/failure
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		5	NW manhole and outlet
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		4	NW outlet with FES
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	Weed control N/NW shoreline/slope
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		4	See comments below
28. Other?			x				
Comments:	*27. Evidence of shorline erosion?* Slope protection (riprap) recommended in near future at NW FES and around infrastructure to mitigate risks.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		5	Outfall at 06-01 from 06-03 has S manhole with deep holes posing residential hazard
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?	x		NW FES has joint failure and severe slop erosion; Manhole at NW FES has hazardous holes (upstream face of spillway between 06-01 and 06-03)				
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	non-native				
Are Sideslopes well vegetated?	x		Yes, aside from NW shorline/slopes				
Healthy? - describe	x						
% Coverage of bare earth?	x		<5% bare (largely located along NW shoreline/slope)				
Excessive erosion?	x		NW shorline				
Wetland bottom? - describe	x		Clear water, algae on bottom, minimal aquatic vegetation				
Dominant Vegetation? - describe	x		Slopes: non-native shorline: non-natives (see comments below)				
% Vegetative Cover	%Veg	~15%	%Open Water		~85%	Comment:	algae coverage
Sediment accumulation?	x		Depth: Undetermined				
Comments:	Non-native dominance: Reed canary grass, cattail, Canadian thistle, prickly lettuce, burdock, and phragmites.						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	0%		
% of total moderate 6 - 12 inches	60%	2	Monitor
% of total severe >12 inches	40%	4	Monitor and apply slope protection where needed

Infrastructure at Risk	Yes	x	No		Comment:	NW FES

Shoreline Erosion Comments/Concerns:

NW shoreline and FES will require slope protection in near future, especially at the FES.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present.

Visual Water Quality Concerns:

0% lily pad coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

NW outlet FES and upstream face of spillway need resetting. Significant hazard posed to residents at FES and NW manhole.

Both 06-01 and 06-03 have significant issues with infrastructure causing hazardous holes in ground (high priority).

Outfall from 06-03 located at the Southern end of 06-01 has deep holes surrounding manhole.

*Note: Hazardous holes have been temporarily filled by residential yard waste.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**06-05**						
Site Name:	**Creek Crossing Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-09-2021**						
Time:	**01:40pm**						**Pond Ranking: 1**
Weather:	**84 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?		x		x		1	Weedy - reed canary grass, thistle
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?		x		x		1	Brush clearing
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		Wetland marsh
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Management of non-natives
25. Excessive floating debris?		x			x		Fence in water, East side
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Along Northern bank by houses (severe)
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Around pond; N and E are most severe
39. Other? (specify in comments / comments section below)	x			x			North outfall no FES (Flared End Section)
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?	x		Potential encroachment of 2 residential docks on North shoreline				
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	Weedy - reed canary, buckthorn, phragmites				
Are Sideslopes well vegetated?	x		Reed canary grass/phragmites (non-natives/weedy)				
Healthy? - describe		x	Weedy				
% Coverage of bare earth?	x		>90% Covered, <10% Bare				
Excessive erosion?		x					
Wetland bottom? - describe		x	No vegetation/murky water/silty				
Dominant Vegetation? - describe	x		Reed canary grass/phragmites				
% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:		
Sediment accumulation?	x		Depth: Unknown, murky water				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	0%					
% of total moderate 6 - 12 inches	10%		1		Not high risk to infrastructure	
% of total severe >12 inches	90%		3		Not high risk to infrastructure	
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Most severe erosion on North side near homes.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Asian carp.

Visual Water Quality Concerns:

Very murky, perhaps from carp/exposure to bare soils.

Basin Capacity Concerns - Sedimentation:

Potential sedimentation, murky water, unknown sedimentation accumulation depth.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Would benefit from weed control.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**06-06**						
Site Name:	**Haverhill Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-09-2021**						
Time:	**02:15pm**						**Pond Ranking: 2**
Weather:	**85 Degrees F**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?		x			x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Joint failure
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x			x		2	Remove sediment accumulation
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	~8" in structure
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		3	Outlet pipe
d) Joint failures?	x			x		3	Outlet pipe
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		2	~8" sediment accumulation
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		Outlet pipe failed
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x		Well vegetated (mowed lawn)				
Healthy? - describe	x						
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: At inlet SE corner <8"				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Repairs of outlet pipe (joint failure and spalling) likely in near future. Monitor function of outlet.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Sediment accumulation at inlet at least 8"- monitor for additional issues.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	06-07						
Site Name:	Creekside Pond						
Evaluator(s)	Adam Janicki						
Date:	08-10-2021						
Time:	10:30am						**Pond Ranking: 5**
Weather:	85 degrees F, Sunny						**Priority Ranking System**
Approx. days since last precip:	1						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	Yes	x	No		Rev'd?		**2/3 - Maintenance Active issues - monitor**
MMP Available?	Yes		No	x	Rev'd?		**4 - Maintenance Recommended Soon**
Planting Plan Available?	Yes		No	x	Rev'd?		**5 - Urgent Maintenance Required**

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?		x		x		5	Overgrown
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?	x			x		5	Very overgrown
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
13. Other? (specify in comments below)	x			x		5	See comment below
Notes/comments:	Overgrown (Phragmites) - inaccessible for heavy machinery from residents' backyards and W. 143rd Street. Need to ask permission for entry for hand labor/smaller machinery. Heavy machinery may be able to enter from 143rd st. if permitted to block traffic.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Could not locate
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		4	Found 1 FES with excessive vegetation growth (cattail) inside and around FES
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		4	Overgrown with cattail/phragmites
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated but overgrown
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Overgrown cattail/phragmites marsh
Dominant Vegetation? - describe	x		Cattail and phragmites
% Vegetative Cover	%Veg	100%	%Open Water 0% Comment:
Sediment accumulation?	x		Depth: Undetermined due to overgrowth
Comments:	n/a		

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	n/a		Cannot find shoreline
% of total moderate 6 - 12 inches	n/a		
% of total severe >12 inches	n/a		

Infrastructure at Risk	Yes		No		Comment:	n/a

Shoreline Erosion Comments/Concerns:

Shoreline is overgrown with cattails and phragmites - no erosion apparent although only a fraction was visable.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Extremely overgrown marsh filled with cattails and phragmites - cannot locate and assess infrastructure (aside from 1 FES).

Needs paths cleared to and around infrastructure.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**06-09**					
Site Name:	**Long Run Creek Park Pond**					
Evaluator(s)	**Brad Nowak**					
Date:	**08-09-2021**					
Time:	**12:00pm**					
Weather:	**84 Degrees F, Cloudy**					
Approx. days since last precip:	**1**					
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**	
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**	
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**	

Pond Ranking: 1

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x			x		2	Remove brush on spillway (North bank)
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		2	Overgrown with weeds
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		2	Moderate erosion around outfall
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?		x		x		2	Overgrown with non-natives/debris cover
12. Access available for maintenance?	x			x			
a) For hand labor?	x			x			
b) For heavy equipment?	x			x			
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x			See comments below
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x			x		2	See comment below
a) Is debris removal necessary?	x			x		2	Debris removal needed (sticks/trash)
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		2	Outlet pipe joint separation
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Predominantly weedy
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		1	Minor
28. Other?							
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?							
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		1	Minor - monitor
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		Aside from outlet joint failure

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Few ecological issues aside from weedy growth on slopes (woody veg.)
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Murky water with alage floating and non-natives on shoreline
Dominant Vegetation? - describe	x		Black alder, sandbar willow, purple loosetrife (non-natives)

% Vegetative Cover	%Veg	2%	%Open Water	98%	Comment:	
Sediment accumulation?	x		Depth: 1-4" near outfall (undetermined throughout pond)			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	60%	1	Monitor
% of total moderate 6 - 12 inches	30%	1	Monitor
% of total severe >12 inches	10%	1	Monitor

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Joint separation by outrfall channel at FES.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is functioning well but could use weed control.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**06-11**						
Site Name:	**Preston Drive Pond**						
Evaluator(s)	**Lily Dempsey**						
Date:	**08-09-2021**						
Time:	**01:15am**						**Pond Ranking: 1**
Weather:	**84 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?	x			x			
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			See comments below
a) Cracks or displacement?	x			x		1	Displacement at Northern FES
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?		x			x		
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance	x		Natural restoration managed by Pizzo Group
Are Sideslopes well vegetated?	x		Native vegetation
Healthy? - describe	x		
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Fully-vegetated with native wetland and prairie vegetation
Dominant Vegetation? - describe		x	Diversity of natives

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?		x	Depth:			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in great condition and landscaping is managed by Pizzo Group.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**06-12**						
Site Name:	**Cooper Way Pond**						
Evaluator(s)	**Adam Janicki & Michael Downs**						
Date:	**09-13-2021**						
Time:	**12:40pm**						
Weather:	**82 Degrees F, Sunny**						
Approx. days since last precip:	**6**						
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Undetermined
1. Present -Found?			x				
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?			x				
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
13. Other? (specify in comments below)			x				
Notes/comments:	Unable to determine location due to overgrowth and lack of engineering plans.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Unable to locate
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?	x				x		Long Run Creek
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				Unable to locate
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?							
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Overgrown cattail marsh
30. Non-native dominance?	x			x		4	Needs weed control
31. Standing water or wet spots?	x			x		4	E inlet/outfall submerged in ~3ft. water
32. Sediment/trash accumulation?	x			x		4	>2ft. at E inlet (has been dredged before)
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	E inlet/outfall submerged in ~3ft. water due to significant sediment accumulation/clog
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		Undetermined

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Non-native dominance			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Functioning properly and well-vegetated			
% Coverage of bare earth?	x		<1% bare			
Excessive erosion?		x				
Wetland bottom? - describe	x		Overgrown cattail marsh with weedy non-native growth around perimeter			
Dominant Vegetation? - describe	x		Cattail and sandbar willow			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Undetermined throughout pond; >2 ft. at E inlet			
Comments:	Supposed to be seeded prairie along side slopes although overgrown with non-native; few natives remain - mostly on pond bottom.					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	No erosion to minor erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No		Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Eastern inlet (only inlet that could be found) has been dredged due to sediment accumulation but still has ~2ft. sediment mounds around FES and is submerged in >3ft. Standing water (corroding FES and metal trash rack).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Basin is functioning properly despite being overgrown.

Basin was supposed to be native prairie on slopes although is overgrown with non-natives.

Only one FES was locatable due to overgrowth. Swaths cleared to infrastructure is needed to fully assess basin efficiency and capacity.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**06-17**						
Site Name:	**Greystone Ridge Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-09-2021**						
Time:	**10:00am**						**Pond Ranking: 1**
Weather:	**80 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		2	Patchy grass, minor upland slope erosion, needs weeding
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x				x	1	Minor erosion
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?	x			x		2	Multiple muskrat trenches/burrows
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x			x		2	Remove sediment/debris
a) Is debris removal necessary?	x			x			
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		1	1-2", minor
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Needs weeding
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x				x		Minor, 0-6"
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?	x		Resident was 'sold' an open-water pond w/fountain				
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x						
Are Sideslopes well vegetated?	x		Native plants				
Healthy? - describe	x		High diversity although would benefit from weeding				
% Coverage of bare earth?	x		5-10% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Native wetland vegetation in shallow water				
Dominant Vegetation? - describe	x		Burr reed, lily pads, bulrushes, swamp milkweed etc.				
% Vegetative Cover	%Veg	50%	%Open Water	50%	Comment:	Good condition	
Sediment accumulation?	x		Depth: Unknown, minimal sediment accumulation				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minimal erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Monitor/repair muskrat burrows/trenches in embankment.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Muskrats (disturb soils and consume vegetation).

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overall healthy, functional basin.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**08-06**						
Site Name:	**Green Manor Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-11-2021**						
Time:	**11:45am**						**Pond Ranking: 3**
Weather:	**71 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**0**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	Joint failure with hole
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		4	See comment below
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		4	Joint failure with hole at outlet
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		1	Minor wet spots on bottom - monitor
32. Sediment/trash accumulation?	x			x			~4" sediment accumulation in inlet
33. Low flow channels?	x				x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		Aside from outlet joint failure
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated				
% Coverage of bare earth?		x	0% bare				
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Minor (<4")				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Outlet pipe likely needs repairs in near future due to severity of hole (if left unchecked it could block the flow of water out of the pond). Monitor this issue throughout the year.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overall, the pond is in good condition although the outlet pipe should be monitored closely and/or repaired in near future.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**08-24**						
Site Name:	**Crystal Meadow Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-11-2021**						
Time:	**12:05pm**						**Pond Ranking: 1**
Weather:	**76 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**0**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?	x			x		1	Muskrat trenches & burrows along shoreline
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x			x		1	Trash rack not fully attached
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Weedy slopes
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Muskrat trenches & burrows increasing erosion
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance	x		Shoreline: yes Slopes: no
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?	x		<3% bare
Excessive erosion?		x	
Wetland bottom? - describe	x		Clear, shallow water with weedy submerged vegetation
Dominant Vegetation? - describe	x		See comments below

% Vegetative Cover	%Veg	10%	%Open Water	90%	Comment:	
Sediment accumulation?	x		Undetermined (minor)			

Comments:	Native shoreline: carex, rice cut grass, lady's thumb, spikerush Non-native slopes: teasel, Queen Annes lace, curly dock, bristlegrass

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	90%	1	Monitor
% of total moderate 6 - 12 inches	10%	2	Monitor (muskrats are affecting the erosion rate and severity)
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

Biggest issue is the muskrat presence.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overall, this pond is in good condition and is functioning optimally.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**08-25**						
Site Name:	**Royal Oaks**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-11-2021**						
Time:	**10:00am**						**Pond Ranking: 1**
Weather:	**78 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Concrete spillway (see photos)
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?	x			x		2	Needs clearing of overgrown phragmites and removal of ~3-5" sediment inside FES
19. Metal pipe condition?	Good		Fair		Poor		
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x						
Are Sideslopes well vegetated?	x		Native prairie mix (ex: monarda, switchgrass, and big bluestem)				
Healthy? - describe	x		High diversity of native flora on shoreline and slopes				
% Coverage of bare earth?		x	0% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Clear water, native wetland flora				
Dominant Vegetation? - describe		x	Arrowhead, spikerush, soft-stem bulrush, lady's thumb, etc.				
% Vegetative Cover	%Veg	~15%	%Open Water	~85%	Comment:		
Sediment accumulation?		x	Depth:				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No eroison or very minor	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Outfall FES and outlet need overgrown vegetation removed (phragmites). Pond is in great condition and is very well-managed.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**08-36**						
Site Name:	**Deer Haven II West Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-11-2021**						
Time:	**08:30am**						**Pond Ranking: 2**
Weather:	**80 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Excessive cattail growth
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		2	~6" sediment and vegetation inside SE and NE inlets - remove
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Non-native			
Are Sideslopes well vegetated?	x		Lawn grass			
Healthy? - describe	x		Well-vegetated			
% Coverage of bare earth?		x	0% bare			
Excessive erosion?		x				
Wetland bottom? - describe	x		Cattail marsh with native wetland flora spread throughout			
Dominant Vegetation? - describe	x		Cattails, goldenrods, arrowhead			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Undetermined (minimal)			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion to minor erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Sediment and vegetation should be cleared inside and around flared end sections (may be restricting flow). (2)

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overall, the pond is in good condition. Pond can use weed control (cattails) and flared end sections cleared.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**08-37**						
Site Name:	**Deer Haven II East Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-11-2021**						
Time:	**09:15am**						**Pond Ranking: 1**
Weather:	**80 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?					x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Non-native growth Western basin
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x		Western basin: non-native Eastern basin: native				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated				
% Coverage of bare earth?		x	0% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Dry bottom with native and non-native wetland vegetation				
Dominant Vegetation? - describe	x		Blue vervain, taragon, carex, cattail, rice cut grass, teasel, penn. smartweed				
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:		
Sediment accumulation?		x	Depth:				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion to minor erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overall, pond is in great condition. The Western basin would benefit from weed control.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**09-01**						
Site Name:	**Rec. Admin Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-19-2021**						
Time:	**08:30am**						**Pond Ranking: 3**
Weather:	**82 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x			x		2	Maintenance in progress (straw mat)
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		2	Moderate erosion on embankment
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	Spillway (mostly straw mat blanket on top of slope) / Outfall Channel (culvert).						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete			x				
Plastic			x				
~~CMP~~ [Metal Pipe)	x				x		
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x			x		1	Monitor for debris blockages annually
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good	x	Fair		Poor		
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		3	Netting on east slope needs repair or reinforcement
23. Other? (specify in comments section below)	x			x		4	East Slope near CMP is failing/breaking (See page 4)
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		1	Algae in pond
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Mostly minor with few severe sections
28. Other?	x				x		(See comments this page)
Comments:	Slopes of pond are very healthy; Promote growth of aquatic vegetation to reduce algae.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Moderate erosion along East shoreline
39. Other? (specify in comments / comments section below)	x			x		4	Severe erosion in/around SE inlet (CMP)
40. Headwall condition	Good		Fair		Poor		N/A
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?	x		CMP on SE slope is severely corroded with major slope erosion (3-4 ft); hazardous holes in ground.				
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x						
Are Sideslopes well vegetated?	x		High diversity of native flora				
Healthy? - describe	x		Slopes are very health				
% Coverage of bare earth?	x		<1% bare, only bare along spillway				
Excessive erosion?		x					
Wetland bottom? - describe	x		Algae, water lily, murky water				
Dominant Vegetation? - describe	x		Bundleflower, goldenrods, monarda, hibmos, big bluestem				
% Vegetative Cover	%Veg	15%	%Open Water	85%	Comment:		Algae = Veg
Sediment accumulation?	x		Unknown				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	60%	1	Minor erosion
% of total moderate 6 - 12 inches	30%	1	Minor erosion
% of total severe >12 inches	10%	3	SE and E slopes have >12" erosion

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

The Eastern slope and SE slope (near CMPs) are moderately to severely eroded as you move from N to S on East slope.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Muskrat trenches/burrows affecting slope protection (netting) and inducing shoreline erosion. Fish present.

Visual Water Quality Concerns:

Algae/murky water.

Basin Capacity Concerns - Sedimentation:

Monitor shoreline erosion on East slope, especially SE slope.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Hazardous CMP failure/corrosion on SE slope. Large holes in ground along corroded CMP. See Photos. 3-4 ft. erosion around this CMP (4/5).

All manholes/orifices were clear and doing their jobs.

Replacement of CMPs recommended soon.

Slope protection/reinforcement of SE slope recommended.

Pond slopes have high floral diversity/herb. diversity.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**09-02**						
Site Name:	**Village Center**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-19-2021**						
Time:	**09:30am**						**Pond Ranking: 2**
Weather:	**82 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**7**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete			x				
Plastic			x				
CMP	x				x		
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		Feeds into culvert (N), this flows into 09-03's inlet (S)
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		2	Slope protection (netting and straw) located on Southern slope of Eastern basin
23. Other? (specify in comments section below)	x			x		4	(See comments page 4)
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?	x			x		3	Excessive lily pad growth
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?	x						(See comments this page)
Comments:	Excellent floral/herb diversity in water and on slopes. Monitor overgrowth of lilies on Western pond surface.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	NW inlet (CMP) of Western basin is very corroded
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:				
Native Predominance	x						
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?	x						
Excessive erosion?		x					
Wetland bottom? - describe	x						
Dominant Vegetation? - describe	x						
% Vegetative Cover	%Veg	10/70%	%Open Water		90/30%	Comment:	Eastern basin/Western Basin (E/W%)
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	98%		1		Minor/no evident erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	2%		3		Steep slopes near middle of 2 basins; provide slope protection	
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Monitor slopes where erosion is likely (middle of 2 basins) due to include of slopes.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

No fish apparent due to murky water (although, suitable habitat).

Visual Water Quality Concerns:

Lily pad coverage >80% entire pond (almost entire Western half of basin).

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Monitor Western pond vegetation cover on water (lily pads invading all surfaces).

CMP inlet on Northern end of Western pond corroded (recommend repairing).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**09-03**						
Site Name:	**Brown Park Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-19-2021**						
Time:	**10:50am**						**Pond Ranking: 2**
Weather:	**84 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway/overflow is in the NE corner of the pond
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		2	Weed control recommended
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x			x			
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		3	See below
a) Cracks or displacement?	x			x		3	Western mowed lawn basin, Northermost orfice's headwall is broken off from pipe
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		1	Minor bare spots
30. Non-native dominance?	x					3	Channel needs weed control
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x			2-6" sediment in each orfice w/headwall
33. Low flow channels?	x			x			Needs weed control
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		3	Northermost orfice w/headwall in SW basin is completely broken/cracked
40. Headwall condition	Good	x	Fair		Poor		Aside from comment above
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x					
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated				
% Coverage of bare earth?		x	Minor				
Excessive erosion?		x					
Wetland bottom? - describe	x		Weedy bottom in low flow channel, 2-6" water				
Dominant Vegetation? - describe	x		Reed canary grass, burr reed, cattails, ragweed, milkweed, purple loosetrife				
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:		
Sediment accumulation?	x		~6" - check orfices with headwalls feeding channel				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor erosion of channel	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Repair orfice with headwall cracked in half and separated from pipe (located in SW mowed lawn basin).

Wildlife Comments/Concerns:

No fish

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Monitor 3-5" sediment accumulation at the orfices with headwalls.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Channel needs weed control (outfalls in channel are overgrown). Pond is in stable condition.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**09-15**						
Site Name:	**14403 Irving Avenue**						
Evaluator(s)	**Michael Downs & Adam Janicki**						
Date:	**9-13-2021**						
Time:	**1pm**						**Pond Ranking: 1**
Weather:	**88 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**2**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**No spillway apparent
1. Present -Found?			x				
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?			x				
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?	x				x		Easy access for all types of maintenance
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Storm drain is an outlet in the center of a turf grass field.
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?		x			x		
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: 1-2"				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1			
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Storm drain in center of turf grass field with planted trees.

No maintenance needed at time of visit.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**10-01**						
Site Name:	**Terry's Lincoln Mercury Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-16-2021**						
Time:	**04:00pm**						**Pond Ranking: 4**
Weather:	**81 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x			x		1	Bare spots on slope
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		2	Overgrown with weeds
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?	x			x		1	Manage/monitor bare earth spots
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x						
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	Overgrown - cannot find outlet. Trash accumulation in/near spillway and around pond basin.						

Outlet/Riser Condition*							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Outlet is overgrown/cannot find
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				Unknown
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		3	(See below)
30. Non-native dominance?	x			x		3	Many non-natives; needs weed control
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		2	Significant trash in basin/on slopes
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	NE inlet filled with rubble/sediment (DUMPING!) ~1-2 ft. (at least)
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-native dominance
Are Sideslopes well vegetated?	x		Some bare earth spots
Healthy? - describe		x	Too many invasives/no natives
% Coverage of bare earth?	x		<5% Bare earth
Excessive erosion?		x	
Wetland bottom? - describe	x		Weedy
Dominant Vegetation? - describe	x		Teasel, purple loosestrife, cattail, buckthorn

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	Minor/no erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Dumping from nearby construction has led to some pollution/capacity concerns where inlet is blocked and slopes are disturbed. See NE inlet and photos of excessive dirt/debris dumping.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Significant trash accumulation in basin/weedy basin (needs maintenance).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**10-02**						
Site Name:	**Orland Square**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-23-2021**						
Time:	**09:20am**						**Pond Ranking: 2**
Weather:	**72 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway S/SE slope
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	Very weedy around pond (shoreline & slopes)
25. Excessive floating debris?		x			x		
26. Visible pollution?		x					
27. Evidence of shoreline erosion?	x			x		2	Severe erosion of SW/S slopes and SE
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Moderate/severe slope erosion along cement inlet
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x					
Are Sideslopes well vegetated?	x		Weedy w/invasives				
Healthy? - describe	x		Needs weeding				
% Coverage of bare earth?	x		<15% Bare on slopes				
Excessive erosion?		x					
Wetland bottom? - describe	x		Murky water				
Dominant Vegetation? - describe	x		No veg. in water, veg. on slopes: teasel, buckthorn, indiangrass				
% Vegetative Cover	%Veg	1%	%Open Water	99%	Comment:		
Sediment accumulation?	x		Depth: Unknown/minimal				
Comments:	*39. Other:* Remove vegetation inside and around inlets/riprap barriers in front of inlets. >6" sediment accumulation/remove vegetative growth.						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	10%		1		Monitor (not major)	
% of total moderate 6 - 12 inches	50%		2		Monitor (not major)	
% of total severe >12 inches	40%		4		Slope protection needed	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	Inlets/outlet/slope protection

Shoreline Erosion Comments/Concerns:

Severe erosion should be mitigated, minor/moderate erosion should be monitored - especially near infrastructure.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present in pond.

Visual Water Quality Concerns:

Murky, open water.

Basin Capacity Concerns - Sedimentation:

Monitor/prevent erosion.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Southern slopes have severe erosion and bare spots on slopes. (3)

Significant trash accumulation due to traffic nearby (on slopes). (2)

Around the pond it is mostly weedy dominance: black alder, buckthorn, teasel, Queen Anne's lace, etc.(3)

Pond has little to no vegetation in the water.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**10-04**						
Site Name:	**Schussler Pond**						
Evaluator(s)	**Adam Janicki & Michael Downs**						
Date:	**09-13-2021**						
Time:	**03:50PM**						**Pond Ranking: 2**
Weather:	**86 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**6**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	SW spillway
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		3	Slope protection (netting and fencing) failed on Northern shorline
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		3	Severe erosion (2-3ft.) on Northern shoreline
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance	x		~60% native vegetation and ~40% non-native
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Decent amount of native flora and no major issues with pond (fish present)
% Coverage of bare earth?	x		<2% bare
Excessive erosion?	x		Only on the Northern shoreline (2-3ft.) with failed protection
Wetland bottom? - describe	x		Murky water with no aquatic vegetation
Dominant Vegetation? - describe	x		Native flora - cord grass, ironweed, swamp milkweed, carex, hibmos
% Vegetative Cover	%Veg	0%	%Open Water 100% Comment:
Sediment accumulation?	x		Depth: Undetermined

Comments:	Non-native dominance: phragmites, reed canary grass, sandbar willow, and cattail

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	50%	1	Monitor erosion
% of total moderate 6 - 12 inches	25%	1	No siginificant issues/risks - monitor
% of total severe >12 inches	25%	3	Monitor and apply/reset slope proection to mitigate severity

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

Severe erosion on Northern shoreline needs to be monitored and slope protection should be reset in near future due to proximity to park/baseball field. The past shoreline erosion protection (fencing and netting) is multiple feet into the water from the current shoreline - indicating the timeliness of the issue.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

There were a couple muskrats in the weir trash rack and fish are present (carp).

Visual Water Quality Concerns:

Carp are most likely the cause of the murky water and lack of aquatic vegetation (also eaten/uprooted by muskrats).

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overall, pond is functioning properly and is in good shape. Northern shoreline erosion will need protection in near future.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**11-01**						
Site Name:	**Wedgewood Estates Pond 1**						
Evaluator(s)	**Kyle Burke**						
Date:	**08-12-2021**						
Time:	**11:15am**						**Pond Ranking: 3**
Weather:	**81 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway leads to outfall channel along 82nd ave.
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		2	2-4" sediment accumulation
15. Low flow trash rack:	x			x		3	Overgrown vegetation and sed. Deposits
a) Is debris removal necessary?	x			x		3	Debris/vegetation blocking trash rack
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	~2-4" accumulation in pipe
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		1	Bare spots on W slope of pond (minor)
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		3	Wet spots turning into wetland
32. Sediment/trash accumulation?	x			x		3	>6" sediment accumulation throughout
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?	x		<1% bare
Excessive erosion?		x	
Wetland bottom? - describe		x	Wet spots beginning to form wetland
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: 6-12"			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Vegetation needs to be cleared around inlet FES.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Sediment accumulation throughout the pond bottom - estimated 6"-12".

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Wet spots beginning to form wetland around pond bottom (dredging in near future).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**11-02**						
Site Name:	**Wedgewood Estates Pond 2**						
Evaluator(s)	**Kyle Burke**						
Date:	**08-13-2021**						
Time:	**12:15pm**						**Pond Ranking: 3**
Weather:	**81 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway leads to outfall channel towards 82nd ave.
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Remove overgrown vegetation and sediment
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x			x		3	3-5" sediment accumulation and veg.
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	3-5" sediment accumulation
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?					x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		3	NE corner wet spots w/standing water
32. Sediment/trash accumulation?	x			x		3	>5" sediment buildup on pond bottom
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated, no significant issues
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe		x	Wet spots and wetland forming in NE corner due to sediment accumulation
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: >6" thoughout basin			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion/minor erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

At least 3-6" sediment accumulation across pond bottom (greater depth closer to pipe/FES).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Wet spots beginning to form wetlands around pond due to sediment accumulation. Dredging in near future likely.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**13-01**						
Site Name:	**Silver Lake Gardens Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-17-2021**						
Time:	**09:00am**						**Pond Ranking: 4**
Weather:	**75 Degrees F**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*3 Outlets (N,E,S)
Type: Concrete*	x			x		5	(See comments page 4) - joint failure
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		5	(See comments page 4)
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		Lawn grass
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		3	~6-12" Throughout basin
33. Low flow channels?	x			x		3	Cracking and bulging - some major
34. Other? (specify in comments section below)		x			x		
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Near outlets and along low flow channels due to sediment accumulation
39. Other? (specify in comments / comments section below)		x			x		
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?	x		Holes caused by joint failure pose hazard to workers/residents				
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?	x		Less than 1%				
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: ~6-12"				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Minor erosion due to sediment accumulation along low flow channels.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

~6-12" Sediment accumulation - causes water level to rise above NWL. Eastern end of low flow channel has 2-3" sediment accumulation.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Comments for Outlet/Riser Condition Section & Other Infrastructure Section:

W. inlet has minor joint separation.

Low flow channel has cracking and bulging.

N. outlet has joint failure (5) and minor spalling. Hazardous!

N. inlet has minor spalling, rebar exposed.

E. outlet has joint separation causing settling.

SE inlet has major spalling.

S. outlet has major spalling - left side broken off.

3 Outlets / 3 Inlets

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**13-02**						
Site Name:	**Cashew Ponds**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-17-2021**						
Time:	**01:30pm**						**Pond Ranking: 5**
Weather:	**82 Degrees F**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway has cement channel.
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:		x		x			
a) Cracks or displacement?	x			x		5	(See comment this page)
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x			x		3	Cracking/corrosion of West half, Northern low flow channel
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	*20.a.* East half, SW corner outlet structure requires repair. Utility conduit package at risk due to erosion.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		5	(See comment this page)
32. Sediment/trash accumulation?	x			x		5	(See comment this page)
33. Low flow channels?	x			x		5	(See comment this page)
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance	x		Wild native flora in wet spots
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?	x		<2% Bare
Excessive erosion?		x	
Wetland bottom? - describe	x		Standing water/wet spots/overgrown wetland on East half of pond
Dominant Vegetation? - describe	x		Lawn grass
% Vegetative Cover	%Veg	98%	%Open Water 2% Comment: n/a
Sediment accumulation?	x		Depth: Unknown/active accumulation at inlets ~6-8"

Comments:	*31./32.:* NE corner of basin needs vegetation and sediment removal.; *33.* NE low flow channel needs to be reset/cleared of vegetation and sediment.

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor/no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

East half SW corner outlet structure requires repair. Utility conduit package at risk. (5)

Wildlife Comments/Concerns:

Fish present at Northern (East and West) low flow channels.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Vegetation and sediment needs to be removed at NE low flow channel and inlet. Needs dredging/resetting. (5)

SE corner inlet/low flow channel appears to have been recently cleaned out (manage/herbicide cattails and wetland veg.). (3)

Despite pond age, it still functions.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**13-03**						
Site Name:	**Wildrose Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-17-2021**						
Time:	**11:00 am**						**Pond Ranking: 2**
Weather:	**80 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		2	Monitor sediment accumulation at FES
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?	x			x		2	6-12" Accumulation at FES
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			
a) Cracks or displacement?		x			x		
b) Minor spalling?	x				x	1	Both FES's minor spalling
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		1	Joint separation at FES's
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		2	Saturated soils/partially wetland bottom
32. Sediment/trash accumulation?	x			x		2	6"-12" sediment accumulation
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		2	Sediment accumulation at N. FES >12" (Recently dredged around FES)
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Lawn grass 70%, sedges 30%
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		70% Lawn grass, 30% sedges=pond bottom
% Coverage of bare earth?	x		0% Bare
Excessive erosion?		x	
Wetland bottom? - describe	x		Becoming wetland bottom (sediment accumulation and aquatic vegetation growth)
Dominant Vegetation? - describe	x		Lawn grass / sedges

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~6-12"			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

~6"-12" Sediment accumulation throughout pond/at each FES.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond becoming wetland bottom (growth of aquatic vegetation).

Joint separation at both pipes.

Monitor aquatic vegetation/dredge sediment accumulating near structures.

Mowing recommended in near future.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**13-04**						
Site Name:	**Colonades Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-17-2021**						
Time:	**12:30pm**						**Pond Ranking: 2**
Weather:	**82 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?	x			x		1	Muskrat burrows all around pond
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		Weir trash rack = outlet
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x				x	2	Monitor algae to prevent blockages
a) Is debris removal necessary?	x			x		2	Algae control recommended
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		1	Exposed rebar and top broken of S. inlet
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	Weedy abundance
25. Excessive floating debris?		x			x		Reduce algae accumulation
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		1	6"-12" N/NW slopes
28. Other?	x			x		2	Muskrat trenches and burrows very prevalent
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		2	S. inlet major spalling
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		Needs weeding/algae control
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Predominantely non-native
Are Sideslopes well vegetated?	x		Lawn grass/vegetated with weedy species
Healthy? - describe	x		Well-vegetated, but with many invasives (needs weeding)
% Coverage of bare earth?	x		<5% Bare
Excessive erosion?		x	
Wetland bottom? - describe	x		Murky water, algae blooms on surface, fish present
Dominant Vegetation? - describe	x		Teasel, Canadian thistle, phragmites, cup plant, reed canary grass

% Vegetative Cover	%Veg	20%	%Open Water	80%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			

Comments:	Fish present in pond (minnows, bass, bluegill).

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	50%	1	Minor/no erosion
% of total moderate 6 - 12 inches	30%	1	Minor erosion w/muskrat damage to slopes
% of total severe >12 inches	20%	2	Major (>12" erosion, N. slope)

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

N/NW Slopes have moderate/severe erosion (muskrats contributing).

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present (bass, bluegill, minnows) and nusiance muskrats.

Visual Water Quality Concerns:

Algae control/murky water.

Basin Capacity Concerns - Sedimentation:

Minor sedimentation (reduce bare spots/sparse veg. areas).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Needs extensive weeding and algae control.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**13-05**						
Site Name:	**Veritas Pond 2**						
Evaluator(s)	**Kyle Burke**						
Date:	**08-13-2021**						
Time:	**01:30pm**						**Pond Ranking: 4**
Weather:	**83 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	Joint failure
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:							
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		1	~2" sediment accumulation in pipes
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			See comments below
a) Cracks or displacement?		x			x		
b) Minor spalling?	x			x		3	Northern outlet
c) Major spalling - rebar exposed?	x			x		3	SE inlet
d) Joint failures?	x			x		4	Joint failure with hazardous hole N outlet
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		3	Large wet spots around pond
32. Sediment/trash accumulation?	x			x		3	~4-6" sediment accumulation across pond
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Southern slope erosion (moderate)
39. Other? (specify in comments / comments section below)	x			x		5	Joint failure with hazardous hole at N outlet and joint separation SE inlet
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?	x		Broken electrical box with exposed wires at SW corner of pond (hazardous)

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		No major issues aside from infrastructure repairs and sediment accumulation
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe		x	Wet spots forming into wetland
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		4-6" across pond			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion/minimal	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Joint failure at Northern outlet/FES (hazardoud hole in the ground). Minor joint separation at SE inlet. Broken electrical box in SW corner of pond with exposed wires.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

~4-6" sediment accumulation throughout pond bottom.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**13-06**						
Site Name:	**Veritas Pond 1**						
Evaluator(s)	**Kyle Burke**						
Date:	**08-13-2021**						
Time:	**04:00pm**						**Pond Ranking: 4**
Weather:	**84 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Southern side of pond
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	3-8" sediment accumulation in pipe
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		5	Joint failures with hazardous holes (x2)
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x			x		5	Joint failures with hazardous holes (x2) located at NW and SW FES's
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		2	Wet spots around NW FES
32. Sediment/trash accumulation?	x			x		2	Grass and sediment buildup in all FES's
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		5	Joint failures with hazardous holes at SW and NW FES's
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		Joint failures need repairs
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated				
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: ~3-8" throughout pond bottom				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Joint failures (x2) with hazardous holes located at SW and NW flared end sections.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Wet spots and sediment accumulation throughout the pond. Dredging likely in near future, especially around flared end sections.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**13-07**						
Site Name:	**Vertitas Pond 3**						
Evaluator(s)	**Kyle Burke**						
Date:	**08-13-2021**						
Time:	**03:00pm**						**Pond Ranking: 1**
Weather:	**84 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	NW corner of pond
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x						
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x			x		2	6" sediment buildup in front of weir rack
a) Is debris removal necessary?	x			x		2	See comment above
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?	x				x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		1	~2" sediment accumulation in manhole
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?	x		<5% bare
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?		x	Depth:			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in good condition.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**13-22**						
Site Name:	**Catalina Highlines East Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-17-2021**						
Time:	**02:45pm**						**Pond Ranking: 1**
Weather:	**82 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		1	Few bare earth patches
30. Non-native dominance?			x				Lawn grass
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x				x	1	Minor sediment accumulation ~3"
33. Low flow channels?	x				x		Good condition
34. Other? (specify in comments section below)	x				x	1	Monitor aquatic vegetation and sediment accumulation along low-flow channel
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Lawn grass w/sedges and aquatic vegetation along low-flow channel
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Few bare earth patches, lawn grass adequate
% Coverage of bare earth?	x		<2% bare
Excessive erosion?		x	
Wetland bottom? - describe		x	Not sufficient aquatic vegetation to be considered wetland bottom
Dominant Vegetation? - describe	x		Lawn grass

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: Unknown, ~3" accumulation			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No to minimal erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Monitor sedimentation annually, especially along low-flow channels and inlets/outlets.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**13-23**						
Site Name:	**Catalina Highlines West Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-17-2021**						
Time:	**03:15pm**						**Pond Ranking: 1**
Weather:	**82 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	2 Outlets FES (South Side)
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?	x				x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		2	Wet spots forming between FES
32. Sediment/trash accumulation?	x				x	1	~3" accumulation around pond bottom center
33. Low flow channels?			x				
34. Other? (specify in comments section below)	x				x	2	Monitor aquatic vegetation growth between inlets/outlets in middle of basin
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?	x		
Excessive erosion?		x	
Wetland bottom? - describe			Monitor wet spots between inlets & outlets
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~3-5"			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No to minimal erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Monitor annually for sedimentation between/near inlets and outlets.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Monitor aquatic vegetation growth on pond basin between infrastructure (outlets/inlets).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**14-01**						
Site Name:	**Bob-O-Link Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**8/20/2021**						
Time:	**10:30am**						**Pond Ranking: 1**
Weather:	**Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?		x		x		2	Depressions in spillway
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?	x			x		2	Some chips on outlet and cracks in channel
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		2	Rebar exposed on one outlet
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		1	1-3" sediment accumulation
33. Low flow channels?	x			x		2	Cracking of channel
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				Could not find outfalls shown on plans
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Well-vegetated			
% Coverage of bare earth?		x				
Excessive erosion?		x				
Wetland bottom? - describe			n/a			
Dominant Vegetation? - describe			n/a			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: 1-3" (minor)			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Some issues with chipping on outfalls. Cracking low flow channel (monitor).

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**14-02**						
Site Name:	**Liberty School Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**08-20-2021**						
Time:	**09:50am**						**Pond Ranking: 2**
Weather:	**Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x			x	1	Small amount of sediment blockage
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x			x		2	~8-12" sediment accumulation around
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?	x				x	1	Minor
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good	x	Fair		Poor		
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?		x			x		
31. Standing water or wet spots?	x			x		2	3 large wet spots
32. Sediment/trash accumulation?	x			x		3	~1ft of sediment accumulation
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: 6-12" dependent on location of infrastructure				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Some bare patches on North side.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Monitor around infrastructure and remove/dredge when necessary or when drains are not functioning properly.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**14-03**						
Site Name:	**Edgewood Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**08-20-2021**						
Time:	**10:10am**						**Pond Ranking: 4**
Weather:	**Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x		x		
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP	x			x		4	Joint failure and corrosion
Masonary			x				
14. Low flow orifice clear?		x			x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x		x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor	x	
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			
a) Cracks or displacement?	x			x		3	Cracking of cement pipes
b) Minor spalling?	x			x		2	Cement pipes
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		4	Joint failures of pipes
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?		x			x		
31. Standing water or wet spots?	x			x		2	Multiple wet spots on basin bottom
32. Sediment/trash accumulation?	x			x		1	~3" sediment accumulation
33. Low flow channels?	x				x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	Joint failures and cracking of pipes - need repairs soon
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor	x	

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?	x		swing set may be in floodplain
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Vegetated
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~3" sediment accumulation			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Possible water main break. Lots of erosion and water channel forming where there is no outlet. Cement and CMP pipes need repairs in near future (cracking and joint failures).

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Wet spots forming on pond bottom (monitor, maintenance in near future).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**14-05**						
Site Name:	**Orland Golfview Pond**						
Evaluator(s)	**Adam Janicki and Michael Downs**						
Date:	**09-07-2021**						
Time:	**11:40am**						**Pond Ranking: 3**
Weather:	**75 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway/outfall channel - East of basin
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		3	Severe shoreline erosion
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		3	Joint separation at SW corner inlet
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		3	See comments below
28. Other?	x			x			See comments below
Comments:	Western embankment erosion is severe although lower priority due to the vegetative buffer. SW inlet is recommended riprap along the FES. Eastern half of basin (no vegetative buffer) has severe erosion and should be given slop protection in near future.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Needs riprap in near future
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance	x		Prairie grasses			
Are Sideslopes well vegetated?	x		Eastern half of basin does not have vegetative buffer like the Western			
Healthy? - describe	x		Well-vegetated			
% Coverage of bare earth?	x		<5% bare			
Excessive erosion?	x		Severe around all of ponds shoreline			
Wetland bottom? - describe	x		Murky, open water with wetland vegetation along shoreline			
Dominant Vegetation? - describe	x		Shoreline wetland veg: hibmos, burr reed, soft stem bulrush slopes: grasses			
% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	0%					
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	100%		3		Riprap needed in near future, especially Eastern basin	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	SW inlet

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Waterfowl and fish present.

Visual Water Quality Concerns:

Murky and 0% lily pad coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

There is currently active management: herbiciding and riprap installations (Eastern half).

Pond is in good condition although the shoreline is severely eroded.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**14-06**						
Site Name:	**Cachey Pond 4**						
Evaluator(s)	**Brad Nowak**						
Date:	**8/20/2021**						
Time:	**1:55pm**						**Pond Ranking: 1**
Weather:	**Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x			
Plastic							
CMP							
Masonary							
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:							
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:							
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x			x			~6" of sediment around the basin
19. Metal pipe condition?	Good		Fair		Poor		
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?		x			x		
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x			~6" of sediment at pond bottom
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?	x		Soccer goals in basin
43. Complaints from residents?			
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~6"			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	No erosion
% of total moderate 6 - 12 inches			
% of total severe >12 inches			

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in good condition.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**14-07**						
Site Name:	**Cachey Pond 1**						
Evaluator(s)	**Brad Nowak**						
Date:	**8/20/2021**						
Time:	**11:40am**						**Pond Ranking: 1**
Weather:	**Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		Catch basin outlets
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good	x	Fair		Poor		
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?		x			x		
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		3	~ 8" of sediment at low side of pond
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				No outfalls
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~3-8" (Greatest at lower side of pond)			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Monitor ~3-8" sediment accumulation throughout pond bottom (Greatest at lowest side of pond).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in good condition.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**14-08**						
Site Name:	**Cachey Pond 3**						
Evaluator(s)	**Brad Nowak**						
Date:	**8/20/2021**						
Time:	**11:25am**						**Pond Ranking: 1**
Weather:	**Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		1	Catch basin outlet with minor debris
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x			x		1	Some debris on trash rack
a) Is debris removal necessary?	x			x		1	(See comment above)
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?		x			x		
31. Standing water or wet spots?	x			x		1	Couple minor wet spots
32. Sediment/trash accumulation?	x			x		1	~3" sediment accumulation
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				No outfalls
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~3"			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in good condition.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**14-09**						
Site Name:	**Cachey Pond 1**						
Evaluator(s)	**Brad Nowak**						
Date:	**8/20/2021**						
Time:	**11:40am**						**Pond Ranking: 1**
Weather:	**Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		1	Sunken area to the right of Northernmost inlet
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		All catch basins outlets
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?		x			x		
31. Standing water or wet spots?	x			x		2	2 minor wet spots
32. Sediment/trash accumulation?	x			x		1	2-4" sediment accumulation
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				No outfalls
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated				
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: 2-4"				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Minor sedimentation (2-4").

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in good condition.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**14-10**						
Site Name:	**Nissan Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**8/20/2021**						
Time:	**2:10pm**						**Pond Ranking: 1**
Weather:	**Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x			
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x			x			
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?		x			x		
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		1	Small amount of sediment
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~1-3"			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	no erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in good condition.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**14-12**						
Site Name:	**Plum Tree Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**8/20/2021**						
Time:	**2:24pm**						**Pond Ranking: 2**
Weather:	**Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?		x		x		2	Extensive vegetation covering spillway
12. Access available for maintenance?		x		x		2	
a) For hand labor?		x		x		2	Vegetation is blocking access on west side of pond
b) For heavy equipment?		x		x		2	Vegetation is blocking access on west side of pond
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				Could not find outfalls shown on plans
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good		Fair	x	Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance	x					
Are Sideslopes well vegetated?	x					
Healthy? - describe	x					
% Coverage of bare earth?		x	0% bare earth			
Excessive erosion?		x				
Wetland bottom? - describe	x		Few lily pads; excessive algae			
Dominant Vegetation? - describe	x		Narrow leaf willow and black willow			
% Vegetative Cover	%Veg	5%	%Open Water	95%	Comment:	
Sediment accumulation?		x	Depth:			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion/minor	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

West side of pond needs to be cleared to open up spillway.

Wildlife Comments/Concerns:

Pond is stocked with fish.

Visual Water Quality Concerns:

Significant algae growth in pond.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**14-19**						
Site Name:	**Boley Depressional Area**						
Evaluator(s)	**Brad Nowak**						
Date:	**8/20/2021**						
Time:	**11:00am**						**Pond Ranking: 1**
Weather:	**Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?		x		x		2	Spillway has turned into a depressed channel
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete			x				
Plastic			x				
CMP			x				No structures. Storage is compensatory storage
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				No structures. Storage is compensatory storage
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures							
38. Evidence of slope erosion?							
39. Other? (specify in comments / comments section below)							No structures. Storage is compensatory storage
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?			
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)			
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-native dominance
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?		x	0% bare earth
Excessive erosion?		x	
Wetland bottom? - describe		x	No water on bottom
Dominant Vegetation? - describe	x		Teasel and Canada goldenrod

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?		x	Depth:			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in good condition. No significant issues.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**15-01**						
Site Name:	**Village Square Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-23-2021**						
Time:	**08:30am**						**Pond Ranking: 2**
Weather:	**72 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?		x		x		3	Not fully level/needs grading
3. Adequate vegetation and groundcover? Overgrown?	x				x		Adequate vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:							

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
3 Outlets	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:							
a) Cracks or displacement?							
b) Minor spalling?	x			x		2	Inlets/outlets
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		2	Northern outlets/SW inlet
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		3	Residential shoreline slope protection around pond failing
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x				x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		3-4	(See comments this page)
28. Other?	x				x		
Comments:	*27. Shoreline Erosion:* Throughout pond (severe N/NE slopes/shoreline).; *28. Other:* Significant population of waterfowl (geese and ducks).						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2-3	(See comments this page)
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?	x		
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Likely consumed by waterfowl			
Are Sideslopes well vegetated?		x	Weedy			
Healthy? - describe	x		Not all slopes have adequate veg. due to erosion; no significant erosion issues			
% Coverage of bare earth?						
Excessive erosion?	x		N/NE slopes cracking/want to give			
Wetland bottom? - describe	x		Murky			
Dominant Vegetation? - describe	x		None in water, weedy on slope			
% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:	
Sediment accumulation?	x		Depth: Unknown			

Comments:	*38. Slope Erosion:* Moderate to severe erosion around flared end sections.

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	60%		1		Minor erosion	
% of total moderate 6 - 12 inches	20%		2		<12" Erosion, can get worse (monitor)	
% of total severe >12 inches	20%		3		Should receive slope protection/cracking of slope	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	(See comments this page)

Shoreline Erosion Comments/Concerns:

N/NE slopes/shorelines are cracking and erosion is speeding up. Monitor/stabilize slopes around flared end sections with slope protection.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present/lots of waterfowl.

Visual Water Quality Concerns:

Murky, no lily pad coverage.

Basin Capacity Concerns - Sedimentation:

Monitor erosion around infrastructure.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Infrastructure at Risk : Outlets/inlets N/NE shoreline and residential shoreline erosion protection.

Emergency overflow between houses needs grading because it is uneven. (3)

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**15-02**						
Site Name:	**Park Hill Pond 1**						
Evaluator(s)	**Adam Janicki & Michael Downs**						
Date:	**09-07-2021**						
Time:	**12:35pm**						**Pond Ranking: 3**
Weather:	**82 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Far NE corner of pond is the spillway
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		2	Monitor and apply riprap when needed
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			See comments below
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		4	Resident created slope protection (shoreline) and is failing at NE corner inlet
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Moderate to severe
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		4	Severe at NE corner inlet (protection failing)
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x		On N, E, and W slope/shorelines				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated/no ecological issues				
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe	x		Murky water with no emergent aquatic vegetation				
Dominant Vegetation? - describe	x		Slopes: prairie grasses Southern slope: scrub shrub invasives				
% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:		
Sediment accumulation?	x		Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	0%					
% of total moderate 6 - 12 inches	90%		1		Monitor	
% of total severe >12 inches	10%		2		Monitor and apply slope protection around infrastructure	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	NE corner inlet

Shoreline Erosion Comments/Concerns:

Maintenance needed at NE corner inlet (slope protecting failing).

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish and waterfowl present.

Visual Water Quality Concerns:

Murky and 0% lily pad coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**15-03**						
Site Name:	**Torrey Pines Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-03-2021**						
Time:	**02:50pm**						**Pond Ranking: 4**
Weather:	**74 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Undetermined
1. Present -Found?			x				
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?			x				
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
13. Other? (specify in comments below)			x				
Notes/comments:	Undetermined due to lack of engineering plans.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Unable to locate
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x			x		4	Couple feet of sediment buildup in front
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				Only able to locate weir trash rack
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		4	Weir trash rack (inlet)
32. Sediment/trash accumulation?	x			x		4	>2ft. At weir (has been dredged before)
33. Low flow channels?							
34. Other? (specify in comments section below)							
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x				x		Significant sediment accumulation at weir - needs dredging/resetting
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		Applicable to weir

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?		x	0% bare
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe		x	n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: >2ft. At weir, undetermined throughout pond			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

NW corner of pond at weir trash track has excessive sediment accumulation (~2-3ft.). This could use maintenance soon (dredging).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Visually the pond appears to be in good condition, however there is excessive sediment deposition which is impacting pond function. The sediment should be removed and the structures evaluated for repair, as necessary.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**15-05**						
Site Name:	**Parkhill Pond 3**						
Evaluator(s)	**Adam Janicki & Michael Downs**						
Date:	**09-07-2021**						
Time:	**12:55pm**						**Pond Ranking: 2**
Weather:	**85 Degrees F, Partly Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Outlet and spillway are on far Eastern slope across Parkhill Dr.
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		2	Riprap on shoreline recommended
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x			2			Remove debris
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?							
22. Slope protection or rip-rap failures?	x			x		3	Severe erosion with failed slope protection along S and SW embankments
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?	x			x		3	Offsite dumpster trash accumulation SW
27. Evidence of shoreline erosion?	x			x		3	Moderate to severe around pond
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Moderate to severe around pond
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		
41. Condition of pipes?	Good		Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-native dominance (woody vegetation)
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Needs weed control
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Murky with very little aquatic vegetation, weedy shorelines with hibmos
Dominant Vegetation? - describe	x		Hibmos, callery pear and purple loosetrife

% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	15%		1		monitor annually	
% of total moderate 6 - 12 inches	35%		2		monitor annually	
% of total severe >12 inches	50%		3		Recommend resetting or applying erosion protection	
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

S and SW shorelines have the most severe erosion and have failed slope protection (netting and fencing in water).

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish and waterfowl present.

Visual Water Quality Concerns:

<1% lily pad coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Vegetation management should be completed in the near future to allow for removal of the excessive trash that has accumulated in the pond near a dumpster.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**15-06**						
Site Name:	**Helen Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-03-2021**						
Time:	**03:15pm**						**Pond Ranking: 3**
Weather:	**74 Degrees F, Rainy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	***Potential blue-green algae in pond (hazardous)
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		Through park or gap between houses at intersection of Frances Ln. and Patricia Ln.
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	Primary spillway: North through park Secondary spillway: East through intersection between Frances Ln. and Patricia Ln. (both in good condition).						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?			x				Could not locate outfall channel
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?	x			x		3	Blue-green algae on water surface
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Active minor to moderate erosion
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Moderate - monitor
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?	x		Man-made fishing spots around pond - with shoreline fencing (falling apart wood planks), large bare spots created as a result (see photos)
43. Complaints from residents?		x	
a) Mowing required			
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?	x		Potential blue-green algae accumulation (harmful neurotoxin)

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Native predominance only on South slope; everywhere else is non-native
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated, fish present, although algae may be harmful
% Coverage of bare earth?	x		<2% bare
Excessive erosion?		x	
Wetland bottom? - describe	x		Murky water/no visability, potential blue-green algae on pond surface
Dominant Vegetation? - describe	x		Foxtail, prickly lettuce, ironweed, big bluestem, evening primrose, and teasel
% Vegetative Cover	%Veg	10%	%Open Water ~90% Comment: Blue-green algae on water surface
Sediment accumulation?	x		Depth: Undetermined

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	50%		1		No erosion/very minor	
% of total moderate 6 - 12 inches	50%		2		<12" - no issues, monitor around bare spots and FES's	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Muskrats and fish present.

Visual Water Quality Concerns:

Likely blue-green alage on water surface (neurotoxin - can be harmful); water has no visability

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overall, this pond is functioning optimally but the blue-green algae should be monitored and mitigated soon.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**15-10**						
Site Name:	**Lowes Pond 1**						
Evaluator(s)	**Adam Janicki & Michael Downs**						
Date:	**09-07-2021**						
Time:	**01:50pm**						**Pond Ranking: 2**
Weather:	**88 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	SE FES needs >12" sediment removal
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Weedy on slopes around pond
25. Excessive floating debris?	x			x		2	Duckweed
26. Visible pollution?	x			x		2	Cans/trash on shoreline and in water
27. Evidence of shoreline erosion?	x			x		1	Monitor
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		1	Monitor
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x					
Are Sideslopes well vegetated?	x		Non-native dominance (weed control)				
Healthy? - describe	x		Well-vegetated and no significant issues				
% Coverage of bare earth?	x		<5% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Emergent wetland vegetation				
Dominant Vegetation? - describe	x		Duckweed, alder, iris, sumac, spikerush				
% Vegetative Cover	%Veg	~70%	%Open Water	~30%	Comment:		Duckweed coverage
Sediment accumulation?	x		Depth: Undetermined; clear ~12" sediment from Eastern inlet FES				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	80%		1		Monitor	
% of total moderate 6 - 12 inches	20%		1		Monitor	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish, waterfowl, and muskrats present.

Visual Water Quality Concerns:

0% lily pad coverage.

Basin Capacity Concerns - Sedimentation:

Remove sediment accumulation (~12") in FES of E inlet.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**15-11**						
Site Name:	**Lowes Pond 2**						
Evaluator(s)	**Adam Janicki & Jedd Anderson**						
Date:	**08-26-2021**						
Time:	**09:30am**						**Pond Ranking: 1**
Weather:	**Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Adequate vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:							

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x		x		
25. Excessive floating debris?	x			x		2	Duckweed >90% surfaces
26. Visible pollution?	x			x		2	Lots of trash on slopes
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:							

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		1	Minor/monitor
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		Very weedy/no open water/trash accum.
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated, but weedy
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Murky/difficult to tell due to excessive coverage of duckweed.
Dominant Vegetation? - describe	x		Teasel, smartweed, phragmites

% Vegetative Cover	%Veg	90%	%Open Water	10%	Comment:	
Sediment accumulation?	x		Undetermined			
Comments:						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor, no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish and waterfowl present.

Visual Water Quality Concerns:

Excessive floating duckweed, no lily pad coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond could use weed control and monitor for clogs from excessive floating vegetation.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**15-12**						
Site Name:	**Lowes Pond 3**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-07-2021**						
Time:	**02:20pm**						**Pond Ranking: 1**
Weather:	**87 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x			x		2	See comments below
a) Is debris removal necessary?	x			x		2	Significant sediment and debris accumulation in NW weir
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?	x			x		2	See comment above
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	Needs weed control around slopes
25. Excessive floating debris?	x			x		3	Duckweed
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		Weedy with excessive floating duckweed
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-native dominance on slopes; native dominance along shoreline
Are Sideslopes well vegetated?	x		Needs weed control; supposed to be native prairie
Healthy? - describe	x		No ecological issues
% Coverage of bare earth?	x		<2% bare
Excessive erosion?		x	
Wetland bottom? - describe	x		murky water with emergent aquatic vegetation along shoreline
Dominant Vegetation? - describe	x		Teasel, thistle, phragmites, sweetclover, duckweed

% Vegetative Cover	%Veg	~90%	%Open Water	~10%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	40%		1		Monitor	
% of total moderate 6 - 12 inches	60%		2		Monitor	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish and muskrats present.

Visual Water Quality Concerns:

Excessive duckweed coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overall, pond is in good condition.

Could benefit from weed control on slopes.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**16-01**						
Site Name:	**Treetop Pond #2**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-23-2021**						
Time:	**11:50am**						**Pond Ranking: 4**
Weather:	**81 Degrees F, Fair**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		2	Overgrown w/non-natives on upstream face
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	Joint failure, cracking, erosion, submerged
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			See below
a) Cracks or displacement?	x			x		4	Outlet cracked/broken/joint failure
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		3	Outlet
d) Joint failures?	x			x		4	Outlet (SW)
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x			x		4	Hole in ground (NW) at end of river rock low flow channel feeding pond
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		4	Weedy
25. Excessive floating debris?		x			x		
26. Visible pollution?		x					
27. Evidence of shoreline erosion?	x			x		3	Monitor moderate/severe areas
28. Other?			x				(See page 4 comments)
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Monitor (mod.-severe erosion) ground inlets
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?	x		Residents (x2) no flooding reported, but disliked weeds/algae				
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	non-natives				
Are Sideslopes well vegetated?	x		With invasives				
Healthy? - describe	x		>70% Invasive, eutrophication				
% Coverage of bare earth?	x		<2% Bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Algae, pondweed, duckweed, murky w/sediment floating				
Dominant Vegetation? - describe	x		Teasel, sweet clover, buckthorn				
% Vegetative Cover	%Veg	40%	%Open Water		60%	Comment:	Mostly open
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	50%	1	No/minimal erosion
% of total moderate 6 - 12 inches	30%	2	Monitor
% of total severe >12 inches	20%	3	Monitor

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

Monitor erosion around inlets/outlet.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish and muskrats present.

Visual Water Quality Concerns:

Murky water/lots of algae on surface.

Basin Capacity Concerns - Sedimentation:

Monitor erosion.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

SW Outlet joint failure/severe erosion/broken.

Needs mowing/weed control.

Eutrophication of pond (lots of shallow water with algae).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**16-02**						
Site Name:	**Treetop Pond #1**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-23-2021**						
Time:	**12:40pm**						**Pond Ranking: 5**
Weather:	**82 Degrees F, Fair**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		4	Very overgrown w/invasives and woody veg.
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?	x			x		3	Not burrows, but beaver activity/damming
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		5	Remove debris/logs blocking
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x			x		5	Remove logs/debris due to beaver damming
a) Is debris removal necessary?	x			x		5	Due to beaver stopping flow
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x			x		5	Severe cracking/joint failure in outfall orifice/flared end section
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			(See below)
a) Cracks or displacement?	x			x		5	Outfall CP/low orifice broken off into channel
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		5	Outfall cement pipe (CP)
d) Joint failures?	x			x		5	(See above)
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		4	Very overgrown/weedy
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?	x			x		4	(See comments this page)
Comments:	*28. Other:* Monitor beaver activity; Clear overgrown vegetation and debris around inlets/outlet.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		x	Beaver felling near inlet
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	Invasives (phragmites, buckthorn, etc.)				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Overgrown				
% Coverage of bare earth?	x		<2% bare (due to woody vegetation)				
Excessive erosion?		x					
Wetland bottom? - describe	x		Murky, shallow, algae				
Dominant Vegetation? - describe	x		Phragmites, buckthorn, honeysuckle				
% Vegetative Cover	%Veg	10%	%Open Water		90%	Comment:	
Sediment accumulation?	x		Depth: Undetermined				
Comments:							

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Beaver activity around site, felling of trees, blockages/damming.

Visual Water Quality Concerns:

Murky and algae covered.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overgrown/beaver activitity = concerns/needs monitoring/management.

Unclog weir trash rack and outlet (filled w/loggs due to beaver). (5)

Fix corroded/failed pipe and flared end section at outfall channel. Puts bike path at risk between outfall channel and weir trash rack. (5)

Needs extensive weeding and management. Paths need to be cleared to access infrastructure. (4)

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**16-10**						
Site Name:	**Orland Health and Fitness Center Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-23-2021**						
Time:	**01:30pm**						**Pond Ranking: 4**
Weather:	**83 Degrees F, Fair**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		4	Overgrown w/teasel, cattail, and purple loostrife
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Overgrown (plants inside flared end sections)
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x			x		3	Remove vegetation
15. Low flow trash rack:	x			x			
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		3	Unknown depth due to vegetative growth and pooling water
18. Outfall channel functioning?			x				Unknown
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		*Could only locate 1 inlet (NW)
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Excessive growth of invasives
30. Non-native dominance?	x			x		4	Dense teasel, cattail, purple loosestrife
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		3	Northern inlet (furthest West) has major spalling and corrosion (couldn't locate other)
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required	x		Mow/remove teasel (took over entire site)
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Invasives
Are Sideslopes well vegetated?	x		
Healthy? - describe		x	Invasives
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Cattails in Eastern half
Dominant Vegetation? - describe	x		Teasel/cattail

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Needs extensive teasle control/management. (4)

Monitor vegetation growth inside/around infrastructure, especially at outlet.

Cannot locate all inlets due to overgrown weeds.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**16-12**						
Site Name:	**Cameno Park Pond (Police)**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-23-2021**						
Time:	**10:15am**						
Weather:	**78 Degrees F, Sunny**						
Approx. days since last precip:	**4**						
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		
MMP Available?	**Yes**		**No**	x	**Rev'd?**		
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		

Pond Ranking: 5

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway*	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	*SE corner = spillway
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	Cannot locate infrastructure due to debris piles and high water level.						

Outlet/Riser Condition**							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	** Outlet is submerged in debris and location is not apparent
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure* **	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				***2 out of the 3 inlets are buried in debris and locations are not apparent
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?	x			x		4	Mostly non-native on slopes/in water
31. Standing water or wet spots?	x			x		3	2-4 ft. standing water
32. Sediment/trash accumulation?	x			x		4	Unknown amount
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	2 Northern inlets are submerged under vegetation and water/muck
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x				
Are Sideslopes well vegetated?		x	Sparse			
Healthy? - describe		x	Invasives/sparse			
% Coverage of bare earth?	x		>40% Bare			
Excessive erosion?		x				
Wetland bottom? - describe	x		Phragmites/murky water with significant accumulation of dead brush/debris			
Dominant Vegetation? - describe	x		Phragmites			
% Vegetative Cover	%Veg	20%	%Open Water	80%	Comment:	Debris accumulation
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	Minimal
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Slopes need weeding/native plantings.

IMPORTANT: Inlets and outlets (flared and sections) locations are not apparent. Likely due to significant debris piles from herbiciding covering infrastructure.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**16-16**						
Site Name:	**156th St. Pond**						
Evaluator(s)	**Adam Janicki & Jedd Anderson**						
Date:	**08-23-2021**						
Time:	**10:45am**						**Pond Ranking: 1**
Weather:	**80 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Adequate vegetation
4. Adequate freeboard?	x	x			x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:							

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
Outlet and PVC Riser	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
Type: Concrete	x				x		Outlet
Plastic	x				x		Riser
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		Phragmites wetland across Ravinia Ave.
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?	x			x		3	N. outlet of dry-wetland (S.basin) needs repair
b) Minor spalling?					x		
c) Major spalling - rebar exposed?	x			x		3	(See above comment)
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?		x	x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:							

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?		x			x		Native dominance
31. Standing water or wet spots?	x				x		(See comment this page)
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments: Very diverse wetland plantings.
Native Predominance	x		Native dominance on slopes and bottom
Are Sideslopes well vegetated?	x		Planted native prairie
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Northern half=standing-murky water / Southern half=vegetated wetland
Dominant Vegetation? - describe	x		Pickerelweed, soft-stem bulrush, burr reed, cattail

% Vegetative Cover	%Veg	70%	%Open Water	30%	Comment:	
Sediment accumulation?	x		Depth: Minimal/unknown			

Comments:	*32. Standing Water:* Intentional standing water in Northern half of basin.

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor to no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

No fish present, nor muskrats.

Visual Water Quality Concerns:

No lily pad coverage.

Basin Capacity Concerns - Sedimentation:

Northern half of basin = standing water; Southern half of basin = native wetland plantings.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**16-17**						
Site Name:	**Parkside Square Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-19-2021**						
Time:	**12:00pm**						**Pond Ranking: 2**
Weather:	**88 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**7**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		2	Sparse, weedy vegetation with many bare spots on slope (needs native seeding)
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?	x			x		2	Shoreline muskrat trenches
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x			See comments below
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		2	Remove vegetation and sediment
15. Low flow trash rack:	x			x			See comment below
a) Is debris removal necessary?	x			x		2	Remove vegetation and sediment
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?				x			
17. Sediment accumulation in structure?	x			x		2	~4" sediment
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		2	Netting used to control muskrat burrows around pond shoreline is broken
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?	x			x		2	~95% vegetative growth on surface (native)
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Minor/moderate due to muskrats
28. Other?	x			x		2	See comment below
Comments:	Excessive vegetative growth, despite being native (water lily, arrowhead, etc.), can restrict inflow/outflow. Although, it also significantly reduces algae growth and is an effective filter for runoff.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance	x		Native predominance in wetland/aquatic veg; non-native on slopes
Are Sideslopes well vegetated?		x	Needs weeding and seeding to mitigate bare earth spots
Healthy? - describe	x		No ecological issues; pond functioning optimally
% Coverage of bare earth?	x		<25% (needs native prairie seeding on slopes)
Excessive erosion?		x	
Wetland bottom? - describe	x		Densly vegetated with aquatic veg. - arrowhead, water lily, water plantain, etc.
Dominant Vegetation? - describe	x		Shoreline/aquatic: arrowhead, pondweed, and water lily Slopes: bristlegrass

% Vegetative Cover	%Veg	~95%	%Open Water	~5%	Comment:	
Sediment accumulation?	x		Depth: 2-4"			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	90%	1	Monitor annually
% of total moderate 6 - 12 inches	10%	2	Monitor and apply slope proection where needed from muskrats
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Flared end sections need vegetation removal (overgrown aquatic vegetation).

Wildlife Comments/Concerns:

Significant muskrat activity around pond (monitor activity) and fish are present.

Visual Water Quality Concerns:

Excessive vegetative growth (minimal open water).

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond has a lot of good native wetland vegetation.

Slopes need native prairie seeding.

Monitor muskrat activity.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**17-02**						
Site Name:	**Equestrian Trail West Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-03-2021**						
Time:	**11:55pm**						**Pond Ranking: 5**
Weather:	**75 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Overflow (East) into 17-03
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		4	Spillway/overflow is overgrown
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x			x		3	Clear but overgrown
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	Dumping of debris (large quantity)
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x			x	4	~1-2ft of debris clogging outlet
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		4	See comment above
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		5	Northern inlet joint failure with hole
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		5	Eastern inlet (hole) due to joint failure
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	Cattails
25. Excessive floating debris?		x			x		
26. Visible pollution?	x			x		4	Dumping at outlet
27. Evidence of shoreline erosion?		x			x		
28. Other?	x			x		4	See comment below
Comments:	Significant dumping of debris at outlet FES. Both the inlet and outletg FES are overgrown with cattails and restricted flow by debris.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		5	Overgrown and joint failure with hole
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor	x	

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)	x		Large quantity of debris from dumping at outlet FES (filled)
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-native
Are Sideslopes well vegetated?	x		All are well-vegetated except NW/W slopes
Healthy? - describe	x		
% Coverage of bare earth?	x		<5% (N and NW slopes)
Excessive erosion?		x	
Wetland bottom? - describe	x		Cattail marsh
Dominant Vegetation? - describe	x		Cattails

% Vegetative Cover	%Veg	~94%	%Open Water	~1%	Comment:	
Sediment accumulation?	X		>1ft. at FES's (inlet and outlet)			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	Minor/no erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

N/NW slopes are bare and need planting or protection to avoid further erosion.

Other Utility Comments:

Both the inlet and outlet flared end sections have significantly restricted flow due to vegetative overgrowth, sediment accumulation, and dumping (need to be cleared and dredged).

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Appears to be >1ft. sediment accumulation around/inside FES's.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Inlet needs vegetation cleared inside and around FES; inlet needs repairs due to joint failure with hole.

Outlet FES is clogged due to large quantities of dumping (debris and sediment).

Both FES's need to be cleared of overgrown cattails.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**17-03**						
Site Name:	**Equestrian Trail East Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-03-2021**						
Time:	**11:18am**						**Pond Ranking: 3**
Weather:	**75 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	Overflow/spillway: East towards wetland (outfall channel) across Shire Dr.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Clear overgrown vegetation
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		2	Needs >3" sediment/mud cleared
15. Low flow trash rack:		x					
a) Is debris removal necessary?		x					
b) Is corrosion evident?		x					
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	~3" mud
18. Outfall channel functioning?	x				x		Wetland across Shore Dr.
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			(See comments below, this page)
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		4	Joint failure with rebar exposed at far East inlet
d) Joint failures?	x			x		4	Joint failure with rebar exposed at far East inlet
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x			Moderate erosion across most of pond shoreline; some areas severe
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Active erosion (severe) at inlets
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	No natives				
Are Sideslopes well vegetated?	x		All slopes vegetated, although ~40% lawn grass and ~60% weedy non-natives				
Healthy? - describe	x		Wildlife prsent/vegetated/no trash				
% Coverage of bare earth?	x		<1% Bare				
Excessive erosion?	x		Moderate-severe around pond shoreline				
Wetland bottom? - describe	x		Murky, non-visable water				
Dominant Vegetation? - describe	x		Algae in pond, purple loosestrife on shoreline				
% Vegetative Cover	%Veg	35%	%Open Water	65%	Comment:		Algae
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	10%	1	Minor erosion
% of total moderate 6 - 12 inches	80%	3	Majority of pond is eroding due to lack of protection
% of total severe >12 inches	10%	3	Sever, >12"=cracking slope (lawn grass)

Infrastructure at Risk	Yes	x	No		Comment:	Inlets becoming more exposed/have less support

Shoreline Erosion Comments/Concerns:

Besides a thin buffer of weedy plants on shoreline, there is no slope protection, causing moderate to severe erosion and pulling chunks of shoreline (lawn grass) into water.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Active muskrats, many burrows around shoreline; fish present.

Visual Water Quality Concerns:

Very muddy, murky water; 0% lily coverate; ~35% algae coverage.

Basin Capacity Concerns - Sedimentation:

Undetermined.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**17-04**						
Site Name:	**Fawn Creek Lane Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-03-2021**						
Time:	**10:50am**						**Pond Ranking: 4**
Weather:	**73 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway is located in the SE corner
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		4	Overgrown with dense, woody non-natives on upstream face
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Could not locate due to overgrowth and lack of utility plans
Type: Concrete							
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				Could not locate due to overgrowth and lack of utility plans
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Overgrown with non-natives
30. Non-native dominance?	x			x		4	See comment above
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	Vegetated but very overgrown
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-native
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?	x		<5% bare
Excessive erosion?		x	
Wetland bottom? - describe	x		Cattail marsh
Dominant Vegetation? - describe	x		Bottom: cattail Slope: sandbar willow

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	See comments below
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No		Comment:	n/a

Shoreline Erosion Comments/Concerns:

The "shoreline" that was visable in this marsh did not appear to have any erosion. The density of weedy flora stablizes embankments and mitigates any erosion.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

This site cannot be fully assessed without paths being cleared to infrastructure.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**17-05**						
Site Name:	**Somerglen Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-23-2021**						
Time:	**03:00pm**						**Pond Ranking: 3**
Weather:	**85 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		Some steep slopes in certain locations
13. Other? (specify in comments below)			x				
Notes/comments:	Spillway visable through observing sidewalk elevation.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
Outlet Shape: Rectangular	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
Type: Concrete	x			x		3	Remove timber/debris
Plastic		x			x		
CMP		x			x		
Masonary		x			x		
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		3-4	(See comments below & Page 4)
a) Cracks or displacement?	x			x		4	S/SW Inlets
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		3	S/SW Inlets major spalling
d) Joint failures?	x			x		4	S/SW Inlets join failures
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x			a			(See Page 4 for details)
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x				x		Minor erosion, sections that are severe
28. Other?		x			x		
Comments:							

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Around inlets moderate to severe erosion
39. Other? (specify in comments / comments section below)	x			x		3-4	(See comments Page 4)
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x						
Are Sideslopes well vegetated?	x		Planted native buffer grasses - wildrye grasses, switchgrass, little bluestem				
Healthy? - describe	x		Native prairie plantings successful				
% Coverage of bare earth?	x		10-15% bare due to landscaping/mulching				
Excessive erosion?		x					
Wetland bottom? - describe	x		Water is clear, algae and lily pads on surface of water				
Dominant Vegetation? - describe	x		Cattails (shoreline)				
% Vegetative Cover	%Veg	15%	%Open Water	85%	Comment:	Algae/water lily	
Sediment accumulation?	x		Depth: Unknown/minimal				
Comments:							

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	75%	1	Monitor
% of total moderate 6 - 12 inches			
% of total severe >12 inches	25%	3	Severe around inlet FES's

Infrastructure at Risk	Yes	x	No		Comment:	Inlet flared end sections

Shoreline Erosion Comments/Concerns:

Monitor/protect slope around inlets (SW) and (NW).

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present in pond.

Visual Water Quality Concerns:

Water is pretty clear and shallow.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Clear timber/logs/debris out of Eastern outlet (4).

Inlet (SW) buried under rocks, surrounding (4) erosion, and major spalling.

Inlet (S/SW) joint failure with hole in (4) ground and severe erosion around inlet.

Severe erosion around inlet (N/NW) (3).

Monitor/manage cattails on SW/E side (3).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**17-06**						
Site Name:	**Lakeside Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-25-2021**						
Time:	**09:00am**						**Pond Ranking: 4**
Weather:	**76 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
Outlet Shape: Rectangular	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		3-4	
a) Cracks or displacement?	x			x		4	Major cracking/joint failure southern inlet
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		4	(See comment this page)
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x			x		2	Hole in ground on far East slope by mulch near outlet
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Monitor, minor/moderate
28. Other?			x				
Comments:	*20.d. Joint failures:* Southern inlet, hole in ground, hazardous, severe erosion.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		4	Slope erosion (severe) around S inlet
39. Other? (specify in comments / comments section below)	x			x		4	Southern inlet joint failure; Northern inlet buried in rocks
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?	x		Hole/joint failure at Southern inlet				
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:				
Native Predominance	x		Slopes-Native grass (E slope), wildflowers and weedy growth (W slopes)				
Are Sideslopes well vegetated?	x		Yes, lawn grass, native grasses, some weeds				
Healthy? - describe	x		More weedy on western slopes near cattails, native dominate on E half				
% Coverage of bare earth?	x		<1% Bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Algae, water lily, mostly clear water				
Dominant Vegetation? - describe	x		Lily pads, cattail				
% Vegetative Cover	%Veg	60-65%	%Open Water		35-40%	Comment:	Cattails dominate western half
Sediment accumulation?	x		Depth: Undetermed				

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	95%		1%		Minimal erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	5%		3		Severe erosion around Southern inlet w/joint failure	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	Southern inlet

Shoreline Erosion Comments/Concerns:

Monitor erosion around infrastructure.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish are present.

Visual Water Quality Concerns:

Monitor algae growth.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Lily pad coverage <10% (Eastern half of pond, East of cattails)

Joint failure/hazardous hole at Southern inlet.

Water flows from West to East (Field - outlet at 17-05).

East of cattails, well-vegetated slopes w/plenty of native grasses.

Eastern outlet slope protection (large rocks) around flare end section are falling into pond/being displaced.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**17-07**						
Site Name:	**Glenlake North Pond**						
Evaluator(s)	**Adam Janicki & Michael Downs**						
Date:	**09-13-2021**						
Time:	**02:00pm**						
Weather:	**88 Degrees F, Sunny**						
Approx. days since last precip:	**6**						
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Undetermined
1. Present -Found?			x				
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?			x				
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
13. Other? (specify in comments below)			x				
Notes/comments:	Unable to determine spillway due to overgrowth and lack of engineering plans.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x			
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		4	Riprap channel between 17-07 and 17-09 is severely eroded and corroded
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		4	SW inlet adjacent to channel
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		4	Riprap failure at SW inlet and channel
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?	x			x		3	Cattails, phragmites, and teasel
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x			>12" sediment accumulation at SW inlet
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures	x			x		4	Riprap channel connecting 17-07 and 17-09
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	Joint failure at SW inlet adjacent to channel
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		SW inlet needs to be reset

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?	x		SW channel and inlet - significant erosion and corrosion

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-native
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated and functioning properly
% Coverage of bare earth?	x		<5% bare
Excessive erosion?		x	
Wetland bottom? - describe	x		Cattail and phragmites marsh
Dominant Vegetation? - describe	x		Cattail, phragmites, buckthorn, and teasel

% Vegetative Cover	%Veg	1	%Open Water	0	Comment:	
Sediment accumulation?	x		> 12" at SW corner of pond; undetermined throughout basin			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	98%		1		No erosion to minor	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	2%		3		Active erosion at SW corner at inlets and riprap channel	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	SW inlet and riprap channel

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

SW corner of pond needs maintenance/repairs of channel and inlets.

Pond is overgrown, thus is not able to be fully assessed (needs swaths cleared to and around infrastructure).

No engineering plans - difficult to locate and assess infrastruture.

See photos as reference to issues.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**17-09**					
Site Name:	**Shire North Pond**					
Evaluator(s)	**Michael Downs & Adam Janicki**					
Date:	**9/13/2021**					
Time:	**2:20pm**					
Weather:	**88 Degrees F, Sunny**					
Approx. days since last precip:	**6**					
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**	
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**	
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**	

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x	3	Joint failure has caused channel to form
2. Spillway level?		x		x		3	Not level
3. Adequate vegetation and groundcover? Overgrown?	x			x		4	Overgrown
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		3	Channel has formed
6. Cracking, bulging, or slumping?	x						
a) upstream face?	x			x		4	Cannot be located, damage evident
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Could not locate
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?		x		x		3	Channel has formed at surface
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		3	Inlet slumping on Shire Avenue
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?	x			x		4	Cattail, phragmites, sandbar willow
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				Could not locate
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		unknown
41. Condition of pipes?	Good		Fair	x	Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		99% cattail, coverage consists of emergent plant community
Dominant Vegetation? - describe	x		Cattail, sandbar willow, big bluestem and phragmites

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	No erosion apparent
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Outlet not found. The pond appears to drain over land to Pond 17-07. Land channel may be a result of joint failure in culvert.

Site is very overgrown, lacks plans, and is difficult to access.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**17-10**						
Site Name:	**Shire South Pond**						
Evaluator(s)	**Michael Downs**						
Date:	**09-13-2021**						
Time:	**11:55 AM**						
Weather:	**85 Degrees F, Sunny**						
Approx. days since last precip:	**6**						
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Very overgrown, cannot locate anything
1. Present -Found?			x				
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?			x				
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Very overgrown, cannot locate
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				Very overgrown, cannot locate
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				Cannot locate
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x				
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Well-vegetated with invasives			
% Coverage of bare earth?		x				
Excessive erosion?		x				
Wetland bottom? - describe	x		Dry bottom with overgrown non-natives			
Dominant Vegetation? - describe	x		Phragmites, goldenrod, teasel, and cattail			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: Undetemined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	No erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Very overgrown - cannot locate any infrastructure nor spillway.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**17-14**						
Site Name:	**Glenlake South**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-25-2021**						
Time:	**08:30pm**						**Pond Ranking: 4**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Outlet in NE corner of basin with FES
Type: Concrete	x			x		3	Sediment/wetland veg. accumulation
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		3	Sediment/veg. removal needed
15. Low flow trash rack:	x			x		3	Wetland vegetation removal
a) Is debris removal necessary?	x			x		3	Debris/vegetation
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		3	~12", difficult to tell with overgrown wetland vegetation
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		4	Joint failure with hole at SE FES (inlet) and major cracking of cement
a) Cracks or displacement?	x			x		4	SE FES pipe
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		4	Joint failure with hole at SE FES /pipe
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		4	Wet spots with standing water throughout
32. Sediment/trash accumulation?	x			x		4	>12" sediment accumulation on bottom
33. Low flow channels?			x				
34. Other? (specify in comments section below)	x			x		4	Dry pond with mown lawn forming into wetland
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	Joint failure at FES and in pipe; severe sediment accumulation and wet spots
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		Exluding wet spots/sediment accumulation
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated; no pollution
% Coverage of bare earth?	x		<2% (wet spots)
Excessive erosion?		x	
Wetland bottom? - describe		x	Wet spots due to sediment accumulation forming wetland bottom
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	~99%	%Open Water		Comment:	
Sediment accumulation?	x		Depth: >12" throughout pond bottom			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Joint failure with hazardous hole at SE pipe FES (inlet). Both FES's have significant sediment accumulation, thus are subject to having more issues if not maintained.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

~12" or more throughout pond bottom. Wet spots and wetland vegetation are forming due to the sediment accumulation. Mowing becoming difficult due to standing water/saturated lawn grass.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond needs dredging/sediment removal soon and pipes/FES's reset. SE FES also needs extensive repairs due to severe joint failure and cracking of pipe (hazardous).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	17-15					
Site Name:	Ashbourn Point Pond					
Evaluator(s)	Adam Janicki					
Date:	09-03-2021					
Time:	12:30pm					
Weather:	75 Degrees F, Cloudy					
Approx. days since last precip:	5					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Vegetation/debris removal
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		3	Remove overgrown vegetation
15. Low flow trash rack:	x			x		3	See comments above
a) Is debris removal necessary?	x			x		3	See comments above
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		3	Remove sediment and vegetation
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		N/A
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		3	Overgrown forebays/pond bottom
30. Non-native dominance?	x			x		3	Overgrown phragmites
31. Standing water or wet spots?	x			x		3	Wetspots in forebays
32. Sediment/trash accumulation?	x			x		3	Sediment accumulation in forebays
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?		x			x		
a) Is sediment depositing above NWL?	x			x		3	Overgrown with sediment buildup
b) Is there significant sediment on pond bottom?	x			x		3	Unknown depth due to overgrowth
36. Provision for access for maintenance:	x			x		3	Easy access from street - pond likely needs dredging and removal of vegetation
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		3	Clear excessive growth around and inside FES's
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x				
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Mowed lawn grass			
% Coverage of bare earth?		x				
Excessive erosion?						
Wetland bottom? - describe	x		Phragmites overgrowth in 2 sediment forebays			
Dominant Vegetation? - describe	x		Phragmites			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		~12" - estimate due to overgrowth			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	99%	1	Minor/monitor annually
% of total moderate 6 - 12 inches	1%	2	Shoreline erosion (West side)
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

FES's are overgrown; forebay is overgrown -pond bottom needs weed control.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Sediment forebays are significantly overgrown, thus sediment accumulation is more than likely throughout Southern half of basin (estimate ~12" above NWL).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**17-16**						
Site Name:	**Colette Pond**						
Evaluator(s)	**Adam Janicki & Jedd Anderson**						
Date:	**08-26-2021**						
Time:	**01:55pm**						**Pond Ranking: 1**
Weather:	**88 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Maintained recently
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
Outlet Shape: Rectangular	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x				x	
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		1	Minor algae growth
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Yes, around inlets
28. Other?			x				
Comments:							

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Around Southern inlet (>1 ft.)
39. Other? (specify in comments / comments section below)	x			x		2	Inlets need slope protection (all) >2-3 ft (erosion)
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	Good	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x		Slopes-Native grass (E slope), wildflowers and weedy growth (W slopes)				
Are Sideslopes well vegetated?	x		Yes, lawn grass, native grasses, some weeds				
Healthy? - describe	x		More weedy on Western slopes near cattails; natives dominate E half				
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe	x		Algae, water lily, mostly clear water				
Dominant Vegetation? - describe	x		Water lily, cattail				
% Vegetative Cover	%Veg	~20%	%Open Water		~80%	Comment:	Lily pads.
Sediment accumulation?		x	Depth:				
Comments:							

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	98%		1		Insignificant	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	2%		3		Around flared end sections - monitor	
Infrastructure at Risk	**Yes**	**x**	**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Monitor around inlets (3); minimal everywhere else.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Muskrat trenches/burrows, fish present.

Visual Water Quality Concerns:

15% Lily pads, water clear.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	17-17					
Site Name:	Ashburn Court Pond					
Evaluator(s)	Adam Janicki					
Date:	09-03-2021					
Time:	12:45pm					
Weather:	75 Degrees F, Cloudy					
Approx. days since last precip:	5					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		4	Overgrown
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)	x			x		4	See comments below
Notes/comments:	Overgrown. Unable to fully assess/cannot locate. Need to access from 17-15 and head East.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Could not locate
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?	x		x		x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				Could not locate
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Clear overgrown veg. so infrastructure can be assessed
30. Non-native dominance?	x			x		4	Clear overgrown veg. so infrastructure can be assessed
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?							Undetermined
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				Could not locate outfalls/inlets
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a unknown

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	Overgrown bottom
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Non-native/weedy			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Well-vegetated			
% Coverage of bare earth?	x		<5% Bare			
Excessive erosion?		x				
Wetland bottom? - describe	x		Weedy/overgrown			
Dominant Vegetation? - describe	x		Cattails, sandbar willow, teasel, goldenrod			
% Vegetative Cover	%Veg	96%	%Open Water	0%	Comment:	Bare spots
Sediment accumulation?	x		Depth: Undetermined			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor (from what I could see)	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**		**Comment:**	Undetermined due to overgrowth

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Undetermined.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Needs weed control and paths to be cleared to assess infrastructure. (4)

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**17-18**						
Site Name:	**Ashburn Court 2 Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-11-2021**						
Time:	**02:00pm**						**Pond Ranking: 4**
Weather:	**82 Degrees F, Partly Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**0**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway is on the NE corner of pond
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		3	Upstream face overgrown
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	Overgrown and buried in debris
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x			x		3	Debris removal
a) Is debris removal necessary?	x			x		3	Debris removal
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Overgrown with phragmites
30. Non-native dominance?	x			x		4	Phragmites
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		3	Sediment accumulation (depth unknown)
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	Very overgrown - cannot locate
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:				
Native Predominance		x					
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated				
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe	x		Phragmites marsh				
Dominant Vegetation? - describe	x		Phragmites				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Undetermined depth				

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	No erosion/minor
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Pond bottom is overgrown and FES's difficult to locate. There needs to be maintenance/removal of phragmites, especially at and around infrastructure.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Sediment accumulation is apparent although determining the depth is difficult due to the density of overgrown phragmites.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Infrastruture appears to be okay and functioning although both FES's are very overgrown.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**17-20**						
Site Name:	**Wolf Point Plaza Pond**						
Evaluator(s)	**Adam Janicki & Michael Downs**						
Date:	**09-13-2021**						
Time:	**02:55pm**						**Pond Ranking: 4**
Weather:	**88 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**6**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		3	Downstream and upstream faces are overgrown with woody vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		Access through Southern commerical parking lot
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)	x			x		3	
Notes/comments:	Spillway (downstream face) has riprap that is overgrown with dense woody vegetation (should be cleared to ensure proper function).						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Overgrown in dense weedy vegetation
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x			x		Needs weed removal
15. Low flow trash rack:	x			x		3	Needs weed/debris removal
a) Is debris removal necessary?	x			x		3	see above comment
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		SE outfall channel/spillway
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Needs non-native weed control
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?	x			x		3	See comments below
Comments:	Weed control recommended, especially around infrastructure (outlet, outfall channel/spillway, and 2 Southern inlets).						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		3	Clear overgrown vegetation at outfall channel and at 2 Southern inlets
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	Non-native predominance on slopes; native predominance in water				
Are Sideslopes well vegetated?	x		Non-natives				
Healthy? - describe	x		Well-vegetated and wildlife present				
% Coverage of bare earth?	x		<1% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Shallow standing water with algae, arrowhead, and cattail				
Dominant Vegetation? - describe	x		Cattail, phragmites, teasle and arrowhead				
% Vegetative Cover	%Veg	~70%	%Open Water		~30%	Comment:	
Sediment accumulation?		x					
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	No erosion to minor erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present (minnows).

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Needs vegetation to be cleared around and inside infrastructure (outlet, 2 S inlets, and riprap outfall channel).

Overgrown woody vegetation should cleared at downstream face of spillway to avoid displacement of riprap.

Vegetation is overgrown with non-natives around pond although there is high-quality native wetland vegetation throughout.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**18-01**						
Site Name:	**Spring Creek Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-11-2021**						
Time:	**01:00pm**						**Pond Ranking: 4**
Weather:	**77 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		Small animal holes along weir trash rack
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x			x		4	Joint failure at outfall channel FES/pipe feeding creek
19. Metal pipe condition?	Good		Fair		Poor		
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		4	Outfall channel FES near weir trash rack
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x				x		New ~4-6" plastic inlet pipe constructed with riprap on NW shoreline
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Needs weed control (scrub shrub)
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Not severe - recommend native plantings
28. Other?	x			x		2	See comments below
Comments:	Bare and sparsely vegetated spots around the pond should be filled with native flora seeding to prevent future issues. Weed control of woody non-natives recommended in future (sandbar willow, buckthorn, callery pear, etc.).						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Severe erosion at outfall channel FES
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		Exluding outfall channel FES feeding creek

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-native
Are Sideslopes well vegetated?	x		Weedy with bare spots
Healthy? - describe	x		Well-vegetated and wildlife present
% Coverage of bare earth?	x		<15% bare
Excessive erosion?		x	
Wetland bottom? - describe	x		Murky water with algal growth
Dominant Vegetation? - describe	x		Pondweed and algae in water, weedy dominance on slopes

% Vegetative Cover	%Veg	~15%	%Open Water	~85%	Comment:	
Sediment accumulation?	x		Undetermined			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	75%		1		Minor erosion - monitor annually	
% of total moderate 6 - 12 inches	25%		1		Not significant	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

The outfall channel of this pond needs repair of the FES (joint failure) feeding into creek from weir. Additionally, slope protection is recommended given the amount of bare earth on the downstream face of the outfall channel around the FES.

This pond and nearby residents would benefit from weed control on this pond. The perimeter of the pond has non-native woody shrubs.

*Note: Adjacent greenspace in park floods frequently causing long-term saturated soil conditions.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**18-02**						
Site Name:	**Arbor Point Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**08-11-2021**						
Time:	**3:00pm**						**Pond Ranking: 4**
Weather:	**85 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**0**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x	1	Minor spalling
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		Location far off site but water was flowing
19. Metal pipe condition?	Good		Fair		Poor		N/A
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		Asphalt repairs made to prevent joint failure at outlet, North end
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x			x		2	Erosion at outlet (riprap and metal wire placed - see photo)
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		4	SE corner has sediment loading which is causing a wetland to form.
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?	x			x		2	Sediment accumulation
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?		x			x		
a) Is sediment depositing above NWL?	x				x		
b) Is there significant sediment on pond bottom?	x			x		4	Couple feet throughout pond
36. Provision for access for maintenance:	x				x		Open mown lawn
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Erosion at outlet - repair in place
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		N/A
41. Condition of pipes?	Good	x	Fair		Poor		

Other	**Yes**	**No**	**Comments:**
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?	x		Resident claims basin fills with 4ft. of water after storm and becoming wetland
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	**Yes**	**No**	**Comments:**
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?		x	0% bare
Excessive erosion?		x	
Wetland bottom? - describe		x	Wet spots/forebay with wetland vegetation
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: 1-3ft			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	99%	1	
% of total moderate 6 - 12 inches	0		
% of total severe >12 inches	1%	2	Repair is in place - temporary rocks stacked

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

Monitor erosion near outlet - could potentially disrupt function of outlet.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

1-3 ft. sediment accumulation throughout pond. Resident has repeatedly noticed multiple feet of standing water (monitor after rainfall).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**B18-01**						
Site Name:	**Catalina Industrial Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-17-2021**						
Time:	**09:50am**						**Pond Ranking: 5**
Weather:	**80 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**4**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Cement spillway with riprap on downsteam slope
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	Joint failure (hole) and sediment accum.
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		4	Sediment accumulation ~1ft.
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		4	See comment above
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			See comments below
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		4	Outlet joint failure (with hole)
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		4	Wet spots with standing water at inlets
32. Sediment/trash accumulation?	x			x		4	2-3ft. Sediment accumulation across pond
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	Severe sediment accumulation with wetlands formed (3ft. Sediment at SE inlet)
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		Outlet joint failure (with hole)

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a dry pond
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Dry pond but wetlands formed at 2 inlets due to sediment accumulation
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: 2-3ft. throughout pond bottom (most severe at inlets)			

Comments:	Pond needs wetland vegetation removed and dredging/resetting.

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

The pond significant sedimentation near the inlets and outlets, which is impacting the function of the pond. The excessive sediment should be removed.

Other Utility Comments:

Outlet joint failure with hazardous hole.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Severe sediment accumulation throughout pond (~2-3ft). Wetlands forming as a result at 2 inlets. Needs wetland vegetation removed and dredging soon. Every inlet and outlet needs to be restored and cleaned out. Swales need to be re-established between pipes.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**B18-02**						
Site Name:	**Venture Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-17-2021**						
Time:	**11:30am**						**Pond Ranking: 1**
Weather:	**80 Degrees F, Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		Outlet has headwall
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		2	Major spalling at Far E, NE, and NW inlets
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)		x			x		
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	18-03					
Site Name:	Grandview Pond					
Evaluator(s)	Adam Janicki					
Date:	08-11-2021					
Time:	02:00pm					
Weather:	82 Degrees F, Partly Cloudy					
Approx. days since last precip:	0					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 3

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?					x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Unable to locate due to overgrowth of Southern basin
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?	x			x		2	Overgrown
19. Metal pipe condition?	Good		Fair		Poor		N/A
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		2	Mahole located in NE corner of Northern basin contains piles of mowing debris
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Southern basin is overgrown
30. Non-native dominance?	x			x		4	Southern basin
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		3	Sediment accumulation in central FES's
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)	x				x		Northern basin is in good condition; Southern basin needs maintenance
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		3	Sediment and vegetation removal inside all FES's
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		Need vegetation/sediment removal

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-natives in Southern basin; Northern basin is mowed lawn grass
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?		x	0% bare
Excessive erosion?		x	
Wetland bottom? - describe	x		Southern basin has a cattail marsh bottom
Dominant Vegetation? - describe	x		Southern basin: cattail, reed canary grass, and buckthorn

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		~6"			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	No erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No		Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Flared end sections contain sediment and vegetation that needs to be removed (restricts flow). The Southern basin is overgrown and needs maintenance. Difficult to assess Southern basin due to overgrowth (cannot locate outlet FES).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**18-04**						
Site Name:	**Arbor Lake Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-12-2021**						
Time:	**01:30pm**						
Weather:	**79 Degrees F, Partly Cloudy**						
Approx. days since last precip:	**1**						
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Very overgrown
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		3	Could use weed control, although area is very large
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		2	Severe shorline erosion
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x			x		3	Upstream face is overgrown
12. Access available for maintenance?	x			x			Through gaps between residential lawns (heavy machines have before for repairs)
a) For hand labor?	x			x			
b) For heavy equipment?	x			x			
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Debris removal
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x			x		3	Debris removal
a) Is debris removal necessary?	x			x		3	
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		4	Very overgrown with non-natives
25. Excessive floating debris?	x			x		2	Algae
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		3	Severe throughout pond
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Severe erosion
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?	x		Too many callery pear trees (invading landscape and blocking views)
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		With non-natives/invasives
Healthy? - describe	x		Well-vegetated and lots of wildlife
% Coverage of bare earth?		x	0% bare
Excessive erosion?	x		Severe shoreline erosion around pond
Wetland bottom? - describe	x		Murky water with algae and duckweed
Dominant Vegetation? - describe	x		Reed canary grass, callery pear, and sandbar willow

% Vegetative Cover	%Veg	30%	%Open Water	70%	Comment:	
Sediment accumulation?	x		Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	0%		
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	100%	3	Severe, active erosion around entire pond

Infrastructure at Risk	Yes	x	No		Comment:	Inlet pipes

Shoreline Erosion Comments/Concerns:

Erosion ~1-3ft. around pond.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond has not been managed for vegetation; overgrown with invasives.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-01**						
Site Name:	**Victoria Place Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-03-2021**						
Time:	**01:24pm**						**Pond Ranking: 1**
Weather:	**74 Degrees F, Light Rain**						**Priority Ranking System**
Approx. days since last precip:	**0**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway is located in the SW corner of the pond
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		2	~4-6" sed. accumulation throughout bottom
33. Low flow channels?	x				x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated with lawn grass
% Coverage of bare earth?		x	0% bare
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~4-6" throughout bottom of basin (higher by FES)			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

~4-6" sediment accumulation - monitor (see photos as reference).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overall, pond is functioning optimally.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-02**						
Site Name:	**Yearling Crossing Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-08-2021**						
Time:	**10:00am**						**Pond Ranking: 2**
Weather:	**70 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway**	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	*Excessive dead fish floating around pond. **Overflow in SW corner.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		SW corner weir
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x				x		Present, no maintenance
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		3	
a) Cracks or displacement?	x			x		3	NE corner inlet cracking and severe erosion
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		3	NE corner inlet joint failure
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?	x			x		4	Dead fish floating throughout pond
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Mostly moderate; severe by NE corner inlet and NW corner inlet
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	NE corner and NW corner inlets
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?	x		Smell of dead fish/excessive floating dead fish (see photos)
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	Aside from dead fish

45. Asthethics:	**Good**	x	**Fair**		**Poor**		Aside from dead fish
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance	x		N, E,W Slopes; sedges, tallgrasses, cinnamon willowherb, swamp milkweed, woolgrass bulrush
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated with planted prairie buffer
% Coverage of bare earth?	x		<1% Bare
Excessive erosion?		x	
Wetland bottom? - describe	x		No aquatic veg./dark green hue to water
Dominant Vegetation? - describe	x		Late boneset, goldenrod, purple loosestrife, tallgrasses
% Vegetative Cover	%Veg	0%	%Open Water 100% Comment:
Sediment accumulation?	x		Depth: Undetermined
Comments:	n/a		

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	50%		1		Monitor, no major issues	
% of total moderate 6 - 12 inches	30%		2		Monitor, no major issues	
% of total severe >12 inches	20%		3		Riprap recommended in near future	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	NE and NW inlets

Shoreline Erosion Comments/Concerns:

NE and NW corners have >12" erosion exposing infrastructure (riprap recommended).

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Lots of dead fish floating (see photos) - residents complaining. No muskrats. Many frogs present (not dead).

Visual Water Quality Concerns:

No lily pads/minor algae. Dark green hue to water - low visability.

Basin Capacity Concerns - Sedimentation:

Undetermined sedimentation accumulation.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-03**						
Site Name:	**Great Egret Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-08-2021**						
Time:	**11:40am**						**Pond Ranking: 4**
Weather:	**77 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**2**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Overflow/spillway at Southern slope towards 29-04
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		2	At upstream face at weir trash rack
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		Through park
a) For hand labor?	x				x		Through park
b) For heavy equipment?	x				x		Through park
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		3	Severely corroded/major spalling
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		3	Far North inlet, Western side
d) Joint failures?	x			x		2	Far North inlet, Western side
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		2	Reinforce slope protection (netting) around infrastructure and reset riprap at inlets
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Around pond slopes
25. Excessive floating debris?	x			x		4	Dead fish
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		3	Around all pond shoreline
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures	x			x		2	Inlets need riprap reset
38. Evidence of slope erosion?	x			x		3	>12" Severe erosion at inlets
39. Other? (specify in comments / comments section below)	x			x		3	Severely corroded inlet with major spalling NW corner
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?	x		Dead fish and erosion (sparse vegetation)
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Non-native dominance
Are Sideslopes well vegetated?	x		In most locations
Healthy? - describe	x		Well-vegetated for most part
% Coverage of bare earth?	x		<15% Bare
Excessive erosion?	x		Around pond there is moderate to severe active erosion
Wetland bottom? - describe	x		Low visability, murky, little to no wetland vegetation
Dominant Vegetation? - describe	x		Late boneset, goldenrod, frost aster, purple loosestrife, ragweed

% Vegetative Cover	%Veg	5%	%Open Water	95%	Comment:	Duckwood floating
Sediment accumulation?	x		Depth: There is significant accumulation, unknown depth (see photos of accumulation at inlets)			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	0%		1		No issues	
% of total moderate 6 - 12 inches	50%		2		Monitor	
% of total severe >12 inches	50%		3		Monitor and recommended slope protection	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	Inlets/weir need slope protection reset

Shoreline Erosion Comments/Concerns:

Around the entire pond is netting and chicken wire fence to mitigate shoreline erosion (some needs resetting).

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Many dead floating fish, frogs/turtles present, minor muskrat damage.

Visual Water Quality Concerns:

Murky/greenish-hue water, low visability, no lily pad coverage.

Basin Capacity Concerns - Sedimentation:

There is sedimentation occurring, perhaps influenced by erosion around pond (monitor accumulation at infrastructure).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Residents complaining about dead fish and smell.

Residents complain about excessive erosion/wire around pond.

We recommend installing bubble aeration to prevent or minimize fish kills do to crashing oxygen levels.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-04**						
Site Name:	**Mallard Landing Park Pond**						
Evaluator(s)	**Adam Janicki & Jedd Anderson**						
Date:	**08-26-2021**						
Time:	**10:00am**						**Pond Ranking: 5**
Weather:	**79 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x			x		4	(See comments this page)
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		4	Downstream spillway side is overgrown
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		4	Downstream face
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x			x		4	Needs weeding and maintenance
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)	x			x		4	(See comments this page)
Notes/comments:	*1. Present-Found?: Notes* : Wetland water levels on downstream face of spillway are elevated due to excessive vegetation growth and sedimentation.; Severe erosion and undermining of sidewalk on downstream face of spillway.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	(See comments this page)
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x			x		4	Needs to be cleared of vegetation
a) Is debris removal necessary?	x			x		4	Vegetation and sediment
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x			x		5	(See comments this page)
a) Is debris removal necessary?		x		x		5	(See comments this page)
b) Is corrosion evident?	x			x		5	(See comments this page)
17. Sediment accumulation in structure?	x			x		4	>6-8" sediment accumulation
18. Outfall channel functioning?	x			x		5	
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		4	Hole in ground due to joint failure at outlet
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		4	Riprap is eroded and needs to be reset
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	*Type: Concrete:* Needs to be cleared of debris, vegetation and sediment.; *16. Weir trash rack maintenance:* Weir appears to be missing infrastructure and is overgrown with vegetation. Septic smell coming from wetland.; *18. Outfall channel functioning:* Needs maintenance, clearance of vegetation, and investigation for septic leak.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		4	(See comments this page)
32. Sediment/trash accumulation?	x			x		4	>6-8" in basin and outfall
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures	x			x		4	Eastern spillway riprap failure (erosion)
38. Evidence of slope erosion?	x			x		4	Severe erosion at spillway
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**	x	Depends on rainfall/water level
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Vegetated			
% Coverage of bare earth?	x		~5% bare			
Excessive erosion?	x		At spillway (downstream)			
Wetland bottom? - describe			n/a			
Dominant Vegetation? - describe			n/a - Lawn grass			
% Vegetative Cover	%Veg	~95%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: At least ~6-8"			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	98%		1		No/minimal erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	2%		4		Spillway downstream	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	Sidewalk/outfall pipe

Shoreline Erosion Comments/Concerns:

Downstream face of spillway severely eroded, undermining sidewalk.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

>6-8" of sediment accumulation (at outlet) and sediment accumulation in wetland outfall.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Near NE corner of wetland, strong septic smell (potential sanitary sewer leak in wetland).

Weir needs maintenance (sedimentaiton, overgrown, erosion).

Outlet needs to be cleared of vegetation and sediment.

Outfall from pond = half full.

Eastern wetland water levels are creating a backwater effect in detention basin.

Wetland needs management.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-05**						
Site Name:	**Mallard Landing Entrance Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-08-2021**						
Time:	**10:50am**						**Pond Ranking: 1**
Weather:	**71 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Overflow/spillway = NW towards 108th Avenue
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?							
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x			x		2	Remove ~6" debris/sediment inside
a) Is debris removal necessary?	x			x		2	Remove inside at bottom
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?	x			x		2	Remove ~6" at bottom
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		2	Slope pretection failures (netting) near waterfall and NE pond shoreline
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Minor
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Minor ~6"
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	Lawn grass, no wetland/native plantings				
Are Sideslopes well vegetated?	x		Yes, although many bare spots along shoreline				
Healthy? - describe	x		Frogs present, ornamental pond				
% Coverage of bare earth?	x		<10% Due to bare shorelines and mulching				
Excessive erosion?		x					
Wetland bottom? - describe	x		Bluish hue (due to algaecide), no wetland vegetation, clear water				
Dominant Vegetation? - describe		x					
% Vegetative Cover	%Veg	0%	%Open Water		100%	Comment:	
Sediment accumulation?	x		Depth: Undetermined (minimal)				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	70%		1		Minor/no issues	
% of total moderate 6 - 12 inches	25%		1		Minor/no issues	
% of total severe >12 inches	5%		2		By waterfall and NE pond shorelines (reinforce slope protection)	
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Minor/moderate erosion around pond (due to bare slopes/insufficient slope protection). Reset slope protection (2).

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Frogs and fish present, no muskrats.

Visual Water Quality Concerns:

Bluish hue to water (algaecide), clear water.

Basin Capacity Concerns - Sedimentation:

Monitor accumulation inside weir trash rack.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-06**						
Site Name:	**White Tail Pond**						
Evaluator(s)	**Adam Janicki & Jedd Anderson**						
Date:	**08-26-2021**						
Time:	**10:30am**						**Pond Ranking: 4**
Weather:	**87 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x			x		3	Settling below grade
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Cement spillway
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		3	Concrete spillway elevated ~1 ft over grade
6. Cracking, bulging, or slumping?	x				x		
a) upstream face?	x			x		3	~1 ft settled grade around concrete (photos)
b) downstream face?	x			x		2	Blocked by residential landscaping
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?							
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)	x			x		3	
Notes/comments:	Pond embankment settled below spillway. (see photos)						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Wet spots forming around infrastructure
Type: Concrete	x			x		3	(See comments this page)
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x			x		2	Sediment accumulation
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x		x		
17. Sediment accumulation in structure?	x			x		2	~6" inside and around FES
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?	x			x		2	Pond outlet cracking of pipe
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:							

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		Lawn grass
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		3	Couple wet spots near infrastructure
32. Sediment/trash accumulation?	x			x		3	6-8" Sediment accumulation
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		3	South-central inlet full of sediment; Northwest inlet ~8" sediment accumulation
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?	x		
43. Complaints from residents?	x		Resident to West having settling issues with home (bringing in fill)
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		Lawn grass
Healthy? - describe	x		
% Coverage of bare earth?	x		<1% Bare
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	99%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: >6-8" accumulation			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No active erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	Sidewalk & spillway are exposed

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

> 6-8" sediment accumulation, reducing basin capacity in pond bottom. Wet spots forming and turning into wetland.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Concrete spillway non-functional due to settling grade and neighbor landscaping on downstream face.

Residenty to west is bringing in fill due to settling issues with their house.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-08**						
Site Name:	**Laurel Hills Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-30-2021**						
Time:	**11:20am**						**Pond Ranking: 3**
Weather:	**78 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway at SE corner of basin (towards railroad tracks).
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Adequate Vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	>12" Sediment accumulation
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x			(See above comment)
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		4	>12" - Needs to be reset/cleared
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?		x			x		
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		4	>1 ft. sediment accum. on pond bottom
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x			(See comment page 4)
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments: Pizzo Group (Central Basin) Native Plantings
Native Predominance	x		In center of basin - native prairie restoration
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated
% Coverage of bare earth?		x	0%
Excessive erosion?		x	
Wetland bottom? - describe	x		Central basin - native wetland vegetation
Dominant Vegetation? - describe		x	Natives - burr reed, soft stem bulrush, rice cut grass, black-eyed Susan, etc.

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: >1 ft.			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor/no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

>1 ft. sediment accumulation inside and around pond basin infrastructure.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pizzo Group's restoration of the center basin bottom is a success.

39. Other for Outfalls/Inlets Condition: 2 Inlets on Southern bottom of basin: Western inlet on southern bottom is an **orifice buried ~1 ft.** in sediment/grass (needs dredging/clearing). (3); Eastern inlet (center of Southern basin).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-09**						
Site Name:	**Emerald North Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-08-2021**						
Time:	**12:30pm**						**Pond Ranking: 3**
Weather:	**77 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**		**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**		**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		3	Overgrown w/wetland vegetation (mostly woody shrubs)
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x			x		2	Significant vegetative cover
12. Access available for maintenance?		x		x		2	Inaccessible due to dense wetland growth
a) For hand labor?		x		x		2	Inaccessible due to dense wetland growth
b) For heavy equipment?		x		x		2	Inaccessible due to dense wetland growth
13. Other? (specify in comments below)			x				
Notes/comments:	Spillway is a densly vegetated wetland. The outlet is inaccessible due to water level and overgrown vegetation. Paths should be cleared so that the infrastructure can be assessed and maintained (if need be).						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Cannot access - only observable from distance
Type: Concrete*	x			x		4	Overgrown with dense woody shrubs
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:		x			x		No trash rack
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?	x			x		4	Overgrown wetland
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		3	Joint failure at N. inlet
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Minor to moderate
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Moderate, no issues
39. Other? (specify in comments / comments section below)	x			x		3	>8" sediment accumulation and vegetative growth in N. inlet
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Non-native dominance			
Are Sideslopes well vegetated?	x		Mostly lawn grass or non-native			
Healthy? - describe	x		Well-vegetated			
% Coverage of bare earth?	x		<2% Bare			
Excessive erosion?		x				
Wetland bottom? - describe	x		Low visibility/no wetland vegetation on Northern half of pond			
Dominant Vegetation? - describe	x		Purple loosestrife, sandbar willow, cattails, phragmites			
% Vegetative Cover	%Veg	5%	%Open Water	95%	Comment:	Algae
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	40%	1	Monitor erosion, apply slope protection when needed (netting)
% of total moderate 6 - 12 inches	60%	2	Monitor erosion, apply slope protection when needed (netting)
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	Not from erosion

Shoreline Erosion Comments/Concerns:

~6-12" Erosion on shoreline of Northern half of pond. Southern half is heavily vegetated with minor erosion. Most of the shoreline is lawn grass, thus has little to no protection from erosion.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Some dead fish floating; muskrats actively burrowing on Northern shoreline into lawn grass (see photos). (2)

Visual Water Quality Concerns:

Low visibility, no aquatic vegetation cover.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-11**						
Site Name:	**Churchill Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-08-2021**						
Time:	**01:30pm**						**Pond Ranking: 1**
Weather:	**79 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		Need to enter between residential lots
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete			x				
Plastic	x						
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		2	See comments below
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		2	S inlet corrosion (no major effect)
d) Joint failures?	x			x		2	S inlet joint failure - settling of slope
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?	x			x		1	Algael growth
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		1	Minor
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance	x		Native vegetation along shoreline and on slopes (wetland and prairie)			
Are Sideslopes well vegetated?	x		Native prairie and emergent wetland			
Healthy? - describe	x		Well-vegetated with native dominance			
% Coverage of bare earth?	x		<2% bare			
Excessive erosion?		x				
Wetland bottom? - describe	x		Clear water, emergent vegetation, algae at bottom, native wetland shoreline			
Dominant Vegetation? - describe	x		See comments below			
% Vegetative Cover	%Veg	~60%	%Open Water	~40%	Comment:	Algael growth
Sediment accumulation?	x		Undetermined			

Comments:	Native wetland vegetation: soft-stem bulruish, iris, spikerush, dark green bulrush, and burr reed Native prairie vegetation: Virginia wildrye, little bluestem, monarda, frost aster, and goldenrod

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	75%		1		Minor - monitor annually	
% of total moderate 6 - 12 inches	25%		1		No significant issues - monitor	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish and muskrats present.

Visual Water Quality Concerns:

Clear water with excessive algae growth on the Eastern half of the pond.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overall, the pond is in great condition.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-12**						
Site Name:	**Fawn Trail Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-08-2021**						
Time:	**02:30pm**						**Pond Ranking: 3**
Weather:	**77 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?	x			x		3	Cracking/corrosion of cement spillway
a) upstream face?	x			x		3	Cracking under cement spillway
b) downstream face?	x			x		3	Cracking under cement spillway
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		Cement sidewalk on N side of pond connected to Fawn Trail Dr.
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)	x			x		3	
Notes/comments:	Cement spillway is located in the SE corner of the pond (outfall channel = creek). There is seeping/leaking of outflow under cement spillway due to the corrosion and cracking of the outlet pipe and bottom of the cement spillway. (see images)						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	FES in SE corner connected to spillway
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x						
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			See comment below
a) Cracks or displacement?	x			x		3	Cracking of outlet pipe/cement spillway
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Moderate to severe erosion around pond
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x			Moderate at Northern inlets
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	Non-native				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated and no ecological issues				
% Coverage of bare earth?	x		<5% bare				
Excessive erosion?	x		Moderate to severe around pond shoreline				
Wetland bottom? - describe	x		algae, pondweed in shallow water, murky/low visability				
Dominant Vegetation? - describe	x		Sandbar willow, teasel, ragweed, purple loosetrife, indian hemp				
% Vegetative Cover	%Veg	~5%	%Open Water		~95%	Comment:	
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	0%					
% of total moderate 6 - 12 inches	35%		1		Monitor	
% of total severe >12 inches	65%		2		Monitor, apply protection (netting and riprap) when needed	
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

There is active erosion around the pond shoreline which should be addressed before it becomes a more severe problem/cost.

Other Utility Comments:

Maintenance needed of outlet pipe and cement spillway. (3)

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-20**						
Site Name:	**Capistrano North Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**09-01-2021**						
Time:	**02:30pm**						**Pond Ranking: 1**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?		x		x		2	Lots of bare spots of slope
4. Adequate freeboard?		x			x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x			x			Some vegetation
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x			x		2	Some vegetation blocking outlet
15. Low flow trash rack:							
a) Is debris removal necessary?	x			x		2	Some vegetation blocking outlet
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:		x			x		
a) Operational?		x			x		
b) Chained or locked?		x			x		
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?	x			x		1	Significant algae coverage
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	Good	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	Weedy/non-native dominance				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?	x		<15% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x						
Dominant Vegetation? - describe	x		Burr reed				
% Vegetative Cover	%Veg	0%	%Open Water		100%	Comment:	
Sediment accumulation?		x	Depth:				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Outlet is partially blocked with vegetation but still functioning.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Bare spots around basin.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-22**						
Site Name:	**Capistrano South**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-25-2021**						
Time:	**10:05am**						**Pond Ranking: 2**
Weather:	**81 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Sediment accumulation >8" & vegetative growth inside outlet
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		3	Remove sediment/vegetation
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		3	>8" inside with vegetation
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x			x		2	Riprap at inlet should be reset/monitored for sediment accumulation
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		3	Wet spots at inlet and outlet
32. Sediment/trash accumulation?	x			x		3	>8" sediment accumulation at inlet and outlet
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x					
% Coverage of bare earth?	x		<1% Bare			
Excessive erosion?		x				
Wetland bottom? - describe		x	In some wet spots there is wetland vegetation growing			
Dominant Vegetation? - describe			n/a			
% Vegetative Cover	%Veg	99%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: >8" around flared end section			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor/no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Remove sediment and vegetation at flared end sections (inside and outside), >8" accumulation.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-23**						
Site Name:	**172nd Street Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**09-01-2021**						
Time:	**03:15pm**						**Pond Ranking: 4**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x			x		2	Settling around cement spillway
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?	x				x		Thin crack
a) upstream face?		x			x		Thin crack
b) downstream face?		x			x		Thin crack
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?	x				x		Thin crack
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		2	Sediment in outlet and some vegetation
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		1	Minor ~3-5"
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?		x		x		2	Lots of bare spots
30. Non-native dominance?		x			x		
31. Standing water or wet spots?	x			x		3	2 large wet spots
32. Sediment/trash accumulation?	x			x		2	~6-12" sediment
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		2	Sediment accumulation surrouding pipes as well as inside
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?	x		There were planks of wood covering one outlet (see comments this page)
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?	x		(See comments this page)

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?	x		<2% bare
Excessive erosion?		x	
Wetland bottom? - describe		x	Aside from 2 large wet spots with wetland vegetation
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	>98%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: 6-12" throughout pond bottom, greater accumulation at wet spots			

Comments:	The planks of wood were nailed together and clearly placed there to block the outfall for whatever reason. I removed the wood blocking, but it is possible that whoever placed it there may put it back.

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Sediment accumulation varies throughout basin although it is significant enough to cause wet spots. Monitor this issue more than annually - will likely require dredging to remove wet spots long-term.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

The planks covering the outlet are a concern. It may be returned to its orginal location blocking the outflow.

Overall, this pond is functioning properly but in order to upkeep its highest capacity of storage and aesthetics it will need maintenance to remove excess sediment and repair the spillway. Lack of maintenance will promote enlarging of the wet spots and sediment accumulation.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-24**						
Site Name:	**Deer Park Point Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**09-01-2021**						
Time:	**02:55**						**Pond Ranking: 3**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?		x			x		
4. Adequate freeboard?		x			x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		3	Approximately 1' of sediment accumulation
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		2	Large wet spots at outfall
32. Sediment/trash accumulation?	x			x		3	6-12" sediment
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe		x	Large wet spots forming into wetland				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: At least 6-12"				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

At least 6-12" sediment accumulation throughout pond bottom (likely needs dredging in near future due to formation of wet spots and wetland).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Significant sediment accumulation at bottom of pond. Wet spots are present and will turn into wetland if not managed soon.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	29-27					
Site Name:	Deer Chase Estates Pond					
Evaluator(s)	Brad Nowak					
Date:	09-01-2021					
Time:	11:57am					
Weather:	78 Degrees F, Sunny					
Approx. days since last precip:	1					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 3

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway*	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	*Spillway and outlet overgrown with dense, woody vegetation
1. Present -Found?	x						
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?	x					3	Overgrown
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?		x		x		3	Overgrown
12. Access available for maintenance?		x		x			
a) For hand labor?		x		x		2	Difficult but possible
b) For heavy equipment?		x		x		3	Difficult due to dense brush
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition**							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	**Unable to access
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		*2 inlets found are in good condition
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		2	One inlet contains 3-6" sediment and vegetation growing inside
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:				
Native Predominance	x		Spillway has woody, non-native dominance; most of pond has native predom.				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?	x		100% Coverage				
Excessive erosion?		x					
Wetland bottom? - describe		x	Some algae but no plants; water is pretty clear				
Dominant Vegetation? - describe	x		Yellow indiangrass				
% Vegetative Cover	%Veg	~10%	%Open Water		~90%	Comment:	
Sediment accumulation?		x	Depth:				

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in good condition besides overgrown vegetation on spillway.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	29-28					
Site Name:	Deer Chase Estates East Pond					
Evaluator(s)	Brad Nowak					
Date:	09-01-2021					
Time:	01:15pm					
Weather:	77 Degrees F, Sunny					
Approx. days since last precip:	1					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 2

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?		x		x		3	Access is possible for hand labor, but difficult for heavy equipment
a) For hand labor?	x			x			
b) For heavy equipment?		x		x			
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition*							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*No outlets, compensatory storage
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good				Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply**	Question			Maintenance Necessary		Rank How Critical	**No outlets, compensatory storage
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		3	Needs weed control
30. Non-native dominance?	x			x		3	Weed control needed
31. Standing water or wet spots?	x			x		1	At cattails
32. Sediment/trash accumulation?	x			x		1	Unknown depth
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**		**Fair**	x	**Poor**		Very weedy/overgrown
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x					
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe	x		Cattail/weedy marsh				
Dominant Vegetation? - describe	x		Teasel, cattail, and phragmites				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: Unknown depth				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overgrown compensatory dry pond.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-29**						
Site Name:	**Julie Ann Lane Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-08-2021**						
Time:	**03:00pm**						**Pond Ranking: 1**
Weather:	**77 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x		Planted prairie on slopes managed by Pizzo Group				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated with natives				
% Coverage of bare earth?			<10% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Murky water - pondweed, swamp milkweed, and rice cut grass along shoreline				
Dominant Vegetation? - describe	x		Switchgrass, goldenrod, milkweed, big bluestem (tallgrass prairie)				
% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:		
Sediment accumulation?		x	Depth:				
Comments:	Natural restoration successfully managed by Pizzo Group.						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present

Visual Water Quality Concerns:

Murky water/0 visability and 0% lily pad coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond is in great condition. Monitor annually.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-30**						
Site Name:	**Warwick Lane North Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**09-01-2021**						
Time:	**03:55pm**						**Pond Ranking: 2**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		3	Mud buildup in front of orifice
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			See comment below
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		2	Lots of bare spots and dead vegetation on slopes
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Lily pads
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x					
38. Evidence of slope erosion?		x					
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x					
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?	x		85% Coverage, ~15% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Lily pads				
Dominant Vegetation? - describe	x		Water pepper, ragweed, and lily pads				
% Vegetative Cover	%Veg	40%	%Open Water	60%	Comment:		
Sediment accumulation?		x	Depth:				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No significant issues/minor	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Lots of bare spots and dead vegeation on sideslopes.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present.

Visual Water Quality Concerns:

Lots of algae and lily pads -monitor.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-31**						
Site Name:	**Warwick Lane South Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**09-01-2021**						
Time:	**03:30pm**						**Pond Ranking: 2**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?		x			x	1	Some bare spots
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:							
a) Is debris removal necessary?	x			x		2	Cattail blocking trash rack
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?	x			x		1	Lots of algae
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x					
38. Evidence of slope erosion?		x					
39. Other? (specify in comments / comments section below)	x					2	Sediment blocking NE pipe
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good		Fair	x	Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x					
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?	x		<10% bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Cattail marsh with algae and shallow water				
Dominant Vegetation? - describe	x		Cattail and goldenrods				
% Vegetative Cover	%Veg	60%	%Open Water		40%	Comment:	Alage and cattails
Sediment accumulation?		x	Depth:				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Sediment and vegetation blocking 2 flared end sections.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

Significant aquatic vegetation growth between alage and cattails (monitor).

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**29-39**						
Site Name:	**Deer Trail Lot**						
Evaluator(s)	**Michael Downs**						
Date:	**9/9/2021**						
Time:	**2:40pm**						**Pond Ranking: 1**
Weather:	**80 Degrees F, Partly Cloudy**						**Priority Ranking System**
Approx. days since last precip:	**5**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?			x				
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?			x				
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic		x			x		
CMP		x			x		
Masonary		x			x		
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?		x			x		
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)	x				x		Outfall flowing down slope over rip-rap into creek. Lot area is mowed turf.
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)		x			x		
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Native plantings and annual grasses			
% Coverage of bare earth?		x	0% bare			
Excessive erosion?		x				
Wetland bottom? - describe		x				
Dominant Vegetation? - describe	x		Reed canary grass, foxtail grass, barnyard grass, sneezeweed			
% Vegetative Cover	%Veg	10%	%Open Water	90%	Comment:	Within creek
Sediment accumulation?		x	Depth:			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Mowed turf lot with an outlet leading into an adjacent creek.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Site consists of a mowed turf grass field with an outfall flowing down slope over riprap into creek. Lot area is mowed turf.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	30-04					
Site Name:	Green Knoll Pond					
Evaluator(s)	Adam Janicki					
Date:	08-30-2021					
Time:	10:55am					
Weather:	77 Degrees F, Sunny					
Approx. days since last precip:	1					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 3

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway is overgrown in dense, woody vegetation - cannot locate
1. Present -Found?	x			x		4	Overgrown
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?	x			x		4	Overgrown
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?		x		x		4	Overgrown
12. Access available for maintenance?		x		x			
a) For hand labor?	x				x	2	Difficult but possible
b) For heavy equipment?		x			x	3	Too dense for heavy equip.
13. Other? (specify in comments below)	x				x		See comments below
Notes/comments:	Spillay at Eastern slope (Southern half of basin); Overgrown vegetation at Southern and Eastern slopes (trees/shrubs); Needs clearing/accessibility to outlet SE shoreline.						

Outlet/Riser Condition*							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Inaccessible due to overgrowth around shoreline; Outlet=spillway on SE corner of basin
Type: Concrete	x		x			4	Overgrown - cannot access
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?	x		x		x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Mostly minor/severe by SW inlet
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Riprap/slope protection recommended
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance	x		Planted native prairie and wetland on North half of basin (Pizzo Group)
Are Sideslopes well vegetated?	x		South-Eastern slopes and shorelines are overgrown with woody vegetation
Healthy? - describe	x		Native dominance; prairie and wetland vegetation
% Coverage of bare earth?	x		<1%
Excessive erosion?		x	
Wetland bottom? - describe	x		Wetland veg./murky-silty water (Southern half), dry wetland North half of pond
Dominant Vegetation? - describe	x		(See comments this page)

% Vegetative Cover	%Veg	99%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth:Unknown			

Comments:	Big bluestem, indiangrass, goldenrod on slopes/rice cut grass & soft stem bulrush in wetland

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	99%		1		Minor erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	1%		3		Needs slope protection at SW inlet	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	SW inlet

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present, no evidence of muskrats.

Visual Water Quality Concerns:

Murky/silty water. No lily pads.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overgrown vegetation at Southern and Eastern slopes (cannot find outlet).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**30-05**						
Site Name:	**Steeplechase Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-30-2021**						
Time:	**10:20am**						**Pond Ranking: 2**
Weather:	**77 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Western slope = spillway (towards street and park).
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Adequate vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Sediment accumulation (see #17)
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		3	Needs sediment removal
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?	x			x		3	6-8" accumulation inside, >12" outside
17. Sediment accumulation in structure?	x				x		
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		3	6-8" to >12"
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?	x		Pond fills up quickly/NE pond manhole floods frequently				
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?	x		<3% Bare				
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	97%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: 6-8" to >12" (location dependent)				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Significant sedimentation accumulation 6-8" to >12" inside/around pond basin causes basin to lose its capacity; more frequent flooding/active spillway.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Needs dredging in near future.

Lots of new development around pond could affect capacity (sedimentation) and flooding.

Water backing up into manhole due to sediment blocking outlet on pond bottom.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**30-13**						
Site Name:	**Summercrest Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**9-9-2021**						
Time:	**01:30pm**						**Pond Ranking: 1**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**2**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete			x				
Plastic			x				
CMP	x				x		
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?		x			x		No vegetation; currently being constructed
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?		x			x		
a) Is sediment depositing above NWL?		x			x		Very clean, little sediment
b) Is there significant sediment on pond bottom?		x			x		
36. Provision for access for maintenance:	x				x		Very recently constructed
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?			n/a			
Healthy? - describe	x					
% Coverage of bare earth?			n/a			
Excessive erosion?			n/a			
Wetland bottom? - describe			n/a			
Dominant Vegetation? - describe			n/a			
% Vegetative Cover	%Veg	0%	%Open Water	0%	Comment:	Under construction
Sediment accumulation?			Depth: n/a			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Basin was still under construction on day it was inspected.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-01**						
Site Name:	**Brookhill Pond 1**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-27-2021**						
Time:	**12:50pm**						**Pond Ranking: 1**
Weather:	**90 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway*	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	*Cement Spillway
1. Present -Found?	x				x		Spillway (East, outfall channel E/SE)
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete							
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		3	~4" - remove/clear sediment & vegetation
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		1	Western inlets
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		Riprap is good/functioning
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		2	3" in bottom along channel
33. Low flow channels?	x			x		2	Remove sediment piles on channel (photos)
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	Severe (>1 ft.) erosion at W inlets
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?	x		Pond fills up quickly, high and often				
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated				
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: ~3-6" accumlated				
Comments:	*33. Low flow channels* : See photos.						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	99%		1		Minor/no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	1%		2		Severe (1-3 ft.) erosion at Western inlets	
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

3-6" Sediment accumulation around bottom of basin and around FESs.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-02**						
Site Name:	**Brookhill Pond 2**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-27-2021**						
Time:	**01:45pm**						**Pond Ranking: 4**
Weather:	**92 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		1	Minimal (<2") at outlets
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		3	Cracking and bulging in low flow channel at outlet
a) Cracks or displacement?	x			x		3	Cracking of low flow channel at outlet
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		Riprap is good/functioning
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Overgrown at NW low flow channel
30. Non-native dominance?	x			x		4	Very overgrown
31. Standing water or wet spots?	x			x		3	Western basin bottom
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?	x			x		4	Overgrown towards NW low flow chan.
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		2	Standing water at NW inlet (~2 ft.)
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?	x		(See comments this page)
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		Subjective (residents thought poor)
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Invasive/weedy dominance
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?	x		
Excessive erosion?		x	
Wetland bottom? - describe	x		River rock/soil in creek w purple loosestrife, cinnamon willowherb, jewelweed
Dominant Vegetation? - describe			Callery pear, purple loosestrife, teasel, jewelweed
% Vegetative Cover	%Veg	100%	%Open Water 0% Comment:
Sediment accumulation?	x		Depth: Unknown (~2-3" along channel)

Comments:	*43. Complaints from residents:* Yes, "Overgrown mess" and entire basin regularly fills up with water (close to flooding).

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	30%		1		Minor/no erosion	
% of total moderate 6 - 12 inches	70%		3		Western low flow channel bare earth exposed	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Monitor along low flow channel (overgrown, NW of main detention area adjacent to houses); active, moderate erosion.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a, No fish.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Neighbors complain/worry about flooding (haven't flooded, but basin fills up regularly).

Neighbors complain about "wildness" of low flow channel heading west (needs weeding/management). (4)

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-03**						
Site Name:	**Brookhill Retention Wall**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-30-2021**						
Time:	**09:40am**						**Pond Ranking: 2**
Weather:	**76 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	Spillway far East of wall in detention basin East of Wall/Brookshire Dr. Eventually spillway is located along SW Highway.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Orifice at bottom of wall = outlet
Type: Concrete*	x			x		3	Clear overgrown vegetation
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x						
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	1-3", minor accumulation, monitor
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		Including retention wall
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		3	Overgrown/clear by infrastructure
30. Non-native dominance?	x			x		2	Remove invasives/non-native (50/50)
31. Standing water or wet spots?	x				x		~1-2 ft. standing water at N inlet
32. Sediment/trash accumulation?	x			x		2	Remove debris/trash at Northern inlet
33. Low flow channels?	x				x		Non-cement low flow channel (gravel), inlet to retention wall
34. Other? (specify in comments section below)							
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Sever erosion along Northern inlet flared end section
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		Could use clearing of excessive vegetation (weedy shrubs)
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance	x		60/40 Non-native/native; naturalized basin
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Small gravel/river rock/mud with giant ragweed, clearweed, dotted smartweed
Dominant Vegetation? - describe	x		Mix of vegetation

% Vegetative Cover	%Veg	99%	%Open Water	1%	Comment:	Standing water at N inlet
Sediment accumulation?		x	Depth:			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	98%	1	No erosion/minimal erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	2%	3	Severe erosion/bare earth at N. inlet

Infrastructure at Risk	Yes	x	No		Comment:	N. inlet - severe erosion

Shoreline Erosion Comments/Concerns:

(See above comment)

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present at N. inlet.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Retention wall in good condition.

Low flow channel in good condition.

Clear/remove excessive non-native vegetation around retention wall and infrastructure.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-04**						
Site Name:	**Greenfield Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-30-2021**						
Time:	**08:30am**						**Pond Ranking: 4**
Weather:	**73 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway*	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	*Could not find flared end section of outlet (only catch basin)
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		3	Overgrown upstream face
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Could only find catch basin
Type: Concrete*	x						Catch basin & outflow working!
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		Water was flowing out of flared end secton in outfall channel (South)
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		Manholes/catch basins/pipes in good condition
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		3	Overgrown with woody dominance (cannot locate infrastructure)
30. Non-native dominance?	x			x		3	Overgrown with woody dominance
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**		**Fair**	x	**Poor**		Adequate vegetation but weedy and overgrown
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments: Few mixed in pond bottom**				
Native Predominance		x	Mostly non-natives				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated				
% Coverage of bare earth?		x	0% Bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Woody shrubs				
Dominant Vegetation? - describe	x		Sandbar willow, mulberry, buckthorn, reed canary grass				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Unable to locate key infrastructure (overgrown w/woody vegetation).

Needs to be managed/allow for access to infrastructure.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-05**						
Site Name:	**Will-Cook Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-30-2021**						
Time:	**09:10am**						**Pond Ranking: 3**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Adequate vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		4	(See comments this page)
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		4	~6-8" Sediment in low flow orifice
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		4	~6-8" inside, >1 ft. at flared end section
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x			NW inlet major erosion/spalling
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	*Type: Concrete:* 6-8" Sediment accumulation in structure; >1 ft. at flared end section.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x			
30. Non-native dominance?			x				Lawn grass
31. Standing water or wet spots?	x			x		3	Wet spots due to sed. accumulation
32. Sediment/trash accumulation?	x			x		4	>1 ft. (at most 2.5-3 ft.)
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	n/a
Are Sideslopes well vegetated?	x		Lawn grass
Healthy? - describe	x		
% Coverage of bare earth?	x		<2% Bare (some slopes have trees w/bare spots due to rooting)
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	98%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: ~2-3 ft. Accumulation (significant) throughout			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion/minor	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Sediment accumulation (>1 ft.) at all 3 flared end sections.; Sediment accumulation at inlets 1-2.5 ft. in depth (basin losing capacity).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Needs dredging/resetting. Sediment accumulation causing wet spots and reducing basin storage capacity.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-06**						
Site Name:	**Kiley Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-27-2021**						
Time:	**12:22pm**						**Pond Ranking: 2**
Weather:	**86 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	6-8" of sediment accumulation
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		3	6-8" accumulation in pipe and at flared end section
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:							

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x			(See comments this page)
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x		Lawn grass				
Healthy? - describe	x		Well vegetated				
% Coverage of bare earth?	x		<1% Bare				
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: 6-8" to >12"				
Comments:	*32. Sediment/trash accumulation:* ~12" around flared end sections on pond bottom.						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Remove 6-8" of sediment accumulation inside pipes and build-up around infrastructure on pond bottom ~12" deep.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	31-12					
Site Name:	Whispering Hill East Pond					
Evaluator(s)	Adam Janicki					
Date:	09-01-2021					
Time:	10:05am					
Weather:	37 Degrees F, Sunny					
Approx. days since last precip:	3					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Lots of dense vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x						
a) For hand labor?	x						
b) For heavy equipment?	x				x		May be difficult due to residential houshold proximity
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition*							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Overgrown, unable to locate
Type: Concrete	x			x		3	Clear overgrown vegetation (see photos)
Plastic							
CMP							
Masonary							
14. Low flow orifice clear?							Overgrown, unable to assess
15. Low flow trash rack:							Overgrown, unable to assess
a) Is debris removal necessary?							Overgrown, unable to assess
b) Is corrosion evident?							Overgrown, unable to assess
16. Weir trash rack maintenance:							
a) Is debris removal necessary?							
b) Is corrosion evident?							
17. Sediment accumulation in structure?							Overgrown, unable to assess
18. Outfall channel functioning?							
19. Metal pipe condition?	Good		Fair		Poor		N/A
Other Infrastructure**	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		**Applicable only to manholes (cannot find inlet/outlet/low flow channel)
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Clear overgrown vegetation around infrastructure
30. Non-native dominance?		x			x		
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?	x			x		4	Overgrown in vegetation
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance	x		On slopes and wetland bottom			
Are Sideslopes well vegetated?	x		Over-vegetated in some areas			
Healthy? - describe	x					
% Coverage of bare earth?		x	Well-vegetated			
Excessive erosion?		x				
Wetland bottom? - describe	x		Native wetland bottom (mostly dry with wetland veg.)			
Dominant Vegetation? - describe	x		Jewelweed, dark green bulrush, river bulrush			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		**Depth:** Unable to determine due to overgrown vegetation			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	Minor to no erosion
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	05		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Unable to locate inlet, outlet, and low flow channel due to very overgrown vegetation (needs to be managed and clear paths to infrastructure).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-13**						
Site Name:	**Whispering Hill West Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-01-2021**						
Time:	**09:30am**						**Pond Ranking: 2**
Weather:	**72 Degrees F, Partly cloudy**						**Priority Ranking System**
Approx. days since last precip:	**3**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Bare spots on upstream face of spillway
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Flared end secton connected to low flow channel
Type: Concrete*	x			x		2	Remove sediment inside orifice & manholes (3-6")
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x		x		2	Sediment accumulation (3-6")
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	3-6" sediment; builds up from low-flow channel
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		2	At least 3-6"
33. Low flow channels?	x				x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?	x		Lots of mosquitos after basin fills up
a) Mowing required	x		Mown frequently by residents
b) Graffiti removal necessary?		x	
c) Other (specify)	x		Resident shovels sediment out of low flow channel regularly
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		According to residents
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?		x	Lots of bare spots
Healthy? - describe		x	
% Coverage of bare earth?	x		>40% Bare
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	60%	%Open Water	0%	Comment:	~40% Bare
Sediment accumulation?	x		Depth: 3-6" at least			
Comments:						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion/minimal	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Monitor and cover bare spots with seed/sod when necessary.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Sediment accumulation often removed by residents digging low flow channel (sediment buildup in manholes and low flow orifices). (3)

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-14**						
Site Name:	**Autumn Ridge West Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-01-2021**						
Time:	**10:50am**						**Pond Ranking: 3**
Weather:	**74 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**3**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**			**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?		x			x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		4	Overgrown
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete (Rectangular)	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		3	Riprap at outlet and inlets are blocked by debris and overgrowth (see photos)
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Very overgrown with invasives
30. Non-native dominance?	x			x		4	
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		3	Debris accumulation in riprap
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures	x			x		3	Not failure, rather debris blockage (Eastern inlets)
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**		**Fair**		**Poor**	x	Overgrown with invasives
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	Non-native/invasive dominance; supposed to be natural restoration area				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated but crowded with invasives				
% Coverage of bare earth?	x		<1% Bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Invasives				
Dominant Vegetation? - describe	x		Teasel, phragmites, sandbar willow, riverbank grape, cattails				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: Unknown due to overgrown vegetation				
Comments:							

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minimal/no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Unable to determine due to overgrown invasives.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Needs extensive weeding (4). Pond is very overgrown with invasives (signage saying that it is supposed to be restored with natives).

Need to clear debris piles at basin bottom by inlets and outlet.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-15**						
Site Name:	**Marley Blvd. North Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-01-2021**						
Time:	**12:10pm**						**Pond Ranking: 2**
Weather:	**75 Degrees F, Partly cloudy**						**Priority Ranking System**
Approx. days since last precip:	**3**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Adequate vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		2	Active erosion
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		Rectagular
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		Wetland across street
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Minor to moderate (grass shoreline)
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		3	Both inlets (Northern & NW) have sediment accumulation (6-8") and vegetation growing inside flared end section (see photos).
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	Few planted natives; weedy/invasive buffer				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated, but weedy				
% Coverage of bare earth?	x		<5% Bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Clear water, algal growth				
Dominant Vegetation? - describe	x		Invasives: sandbar willow, phragmites, honeysuckle				
% Vegetative Cover	%Veg	25%	%Open Water	75%	Comment:		
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	65%		1		Minor erosion 6"	
% of total moderate 6 - 12 inches	35%		2		Slope can begin cracking where shorline = grass	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Monitor moderate erosion on grass shoreline (no slope protection. Slight cracking can result in expedited/severe erosion.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Muskrats and fish present.

Visual Water Quality Concerns:

0% Lily pad coverage, algal growth moderate (fountain mitigates algae in center).

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	31-16					
Site Name:	Settlers North Pond					
Evaluator(s)	Adam Janicki					
Date:	09-01-2021					
Time:	03:05pm					
Weather:	77 Degres F, Sunny					
Approx. days since last precip:	3					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Overgrown; cannot locate infrastructure
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		4	Overgrown
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:							

Outlet/Riser Condition*							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Unable to assess outlet due to overgrowth. Cannot locate.
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good				Poor		n/a
Other Infrastructure*	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				Overgrown; cannot locate infrastructure
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		4	Overgrown with invasives around pond
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x				x		Minor erosion
28. Other?			x				
Comments:							

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				Unable to locate outfalls/inlets
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a - unknown

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		Overgrown slopes
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Teasel, phragmites, cattail, virginia creeper, riverbank grape
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated but with invasives
% Coverage of bare earth?	x		<1% Bare
Excessive erosion?		x	
Wetland bottom? - describe	x		Murky, open water
Dominant Vegetation? - describe		x	No veg. in water (see invasive species on slopes/shoreline above)

% Vegetative Cover	%Veg	~10%	%Open Water	~90%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	Minor
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish and muskrats present.

Visual Water Quality Concerns:

Murky water.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Very overgrown slopes with invasive dominance (needs paths cleared to infrastructure/weeding). (4)

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	31-17					
Site Name:	Setlers South Pond					
Evaluator(s)	Adam Janicki					
Date:	09-01-2021					
Time:	03:15pm					
Weather:	77 Degrees F, Sunny					
Approx. days since last precip:	3					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		4	Overgrown
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition*							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Cannot locate, Overgrown
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure*	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				Overgrown; cannot locate
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?	x			x		2	Algae
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				Unable to locate
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a -= unknown

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	Can barely see pond
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		Honeysuckle, willow, burckthorn, etc.
Healthy? - describe	x		Well-vegetated, but overgrown with invasives
% Coverage of bare earth?	x		0% Bare
Excessive erosion?		x	
Wetland bottom? - describe	x		Clear, but algae buildup
Dominant Vegetation? - describe	x		Invasives overcrowding slopes/algae in water

% Vegetative Cover	%Veg	20%	%Open Water	80%	Comment:	Algae
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	Minor
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish and muskrats present.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Very overgrown with invasive woody vegetation around pond (needs management and clearance to assess infrastructure).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-18**						
Site Name:	**Lakeshore North Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-01-2021**						
Time:	**02:00pm**						**Pond Ranking: 2**
Weather:	**77 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**3**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		Spillway N/NE towards 3-36 and Marley Creek
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Adequate vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Major spalling
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x		x		
a) Is debris removal necessary?			x		x		
b) Is corrosion evident?			x		x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?	x				x		
b) Minor spalling?							
c) Major spalling - rebar exposed?	x			x		3	Outlet (Northern shoreline, West half of basin)
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	Needs weeding on slopes/algael growth
25. Excessive floating debris?	x			x		2	Algaecide currently applied
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Moderate around pond
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		2	Shoreline erosion (moderate) around inlets
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		Needs weeding & algae control
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Few native plantings			
Are Sideslopes well vegetated?	x		Weedy plants			
Healthy? - describe	x		Well-vegetated, but weedy			
% Coverage of bare earth?	x		<3% Bare			
Excessive erosion?		x				
Wetland bottom? - describe	x		Algae & blue algaecide in water make for limited visability			
Dominant Vegetation? - describe	x		Goldenrods, smartweed, rattlebox (*Sesbenia grandiflora)*			
% Vegetative Cover	%Veg	20%	%Open Water	80%	Comment:	Algae
Sediment accumulation?	x		Depth: Undetermined			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	30%		1		Minor	
% of total moderate 6 - 12 inches	70%		3		Active erosion <12", potential to worsen (monitor)	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

(See above.)

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Muskrats and fish present.

Visual Water Quality Concerns:

Bluish hue due to algaecide.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Needs weeding of slopes and shoreline.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-20**						
Site Name:	**Marley Blvd. Middle Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-01-2021**						
Time:	**12:50pm**						**Pond Ranking: 3**
Weather:	**75 Degrees F, Partly cloudy**						**Priority Ranking System**
Approx. days since last precip:	**3**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		Spillway located at intersection of Marley Blvd. & Autumn Ridge Dr. (Spillway-NW)
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Adequate vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:	x			x		3	Debris removal
a) Is debris removal necessary?	x			x		3	
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?	x			x		3	Algae
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	(See comments page 4)
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Severe erosion (Southern inlet)
39. Other? (specify in comments / comments section below)	x			x		4	Western inlet joint failure/cracking/displaced
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments: Pizzo Group Native Restoration**				
Native Predominance	x		Switchgrass, burr reed, tall goldenrod, monarda				
Are Sideslopes well vegetated?	x		Native prairie planted buffer				
Healthy? - describe	x		Native species abundant in planted buffer				
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe	x		Clear but algae coverage excessive				
Dominant Vegetation? - describe	x		In water: algae; On slopes: Switchgrass, monarda, tall goldenrod				
% Vegetative Cover	%Veg	90%	%Open Water	10%	Comment:		Algae = excessive
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	98%		1		Minor	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	2%		4		Needs slope protection at Southern inlet	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	Southern inlet

Shoreline Erosion Comments/Concerns:

(See above)

Other Utility Comments:

Western inlet joint failure and completely broken. Southern inlet joint separating and severe active erosion.

Wildlife Comments/Concerns:

Muskrats present, fish present.

Visual Water Quality Concerns:

0% Lily pad coverage, excessive algae coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-21**						
Site Name:	**Marley Blvd. South Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-01-2021**						
Time:	**01:20pm**						**Pond Ranking: 2**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**3**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		Spillway on North slope between 31-21 & 31-20 (31-21 spills into 31-20)
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		4	NW inlet joint failure (hole/crack in ground)
a) Cracks or displacement?	x			x		4	(See above)
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		4	Joint failure NW inlet
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		3	Severe erosion on Southern & Southwestern shorelines
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance	x		Actively managed for natural restoration by Pizzo Group			
Are Sideslopes well vegetated?	x		Planted tallgrass prairie (switchgrass, goldenrods, big bluestem, milkweed)			
Healthy? - describe	x		Native dominance (tallgrasses)			
% Coverage of bare earth?	x		<1% Bare			
Excessive erosion?		x				
Wetland bottom? - describe	x		Clear water			
Dominant Vegetation? - describe	x		Arrowhead, pickerelweed, burr reed, rice cut grass, soft-stem bulrush			
% Vegetative Cover	%Veg	1%	%Open Water	99%	Comment:	
Sediment accumulation?	x		Depth: Undetermined (minor)			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	95%		1		Minimal erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	5%		3		SW/S shoreline (>12" erosion, trees falling into water)	
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

SW and S shorelines will need slope protection in near future.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish and muskrats present.

Visual Water Quality Concerns:

<1% Lily pad coverage (Southern shoreline).

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Native restoration by Pizzo Group a success.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-22**						
Site Name:	**Marley Boulevard West**						
Evaluator(s)	**Brad Nowak**						
Date:	**09-09-2021**						
Time:	**03:30pm**						**Pond Ranking: 1**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**2**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		Riprap spillway
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:		x			x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	Mostly weedy growth. Perennial sowthistle and creeping thistle
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		1	Minor erosion
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x				
Are Sideslopes well vegetated?		x	Lots of dead vegetation			
Healthy? - describe		x	Weedy with bare patches			
% Coverage of bare earth?	x		20% bare earth			
Excessive erosion?		x				
Wetland bottom? - describe		x				
Dominant Vegetation? - describe	x		Perenial sowthistle and Canadian thistle			
% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:	
Sediment accumulation?		x	Depth:			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	85%		1		Very minor	
% of total moderate 6 - 12 inches	15%		1		Smaller sections of 6" erosion	
% of total severe >12 inches						
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish are present.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-28**						
Site Name:	**Autumn Ridge East Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-01-2021**						
Time:	**11:30am**						**Pond Ranking: 3**
Weather:	**74 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**3**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		(See comments below)
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		3	Upstream face and downstream are overgrown with woody shrubs
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	*1. Present-Found?:* Spillway (East from Wolf Rd), Spillway (West into 31-29 - toward outlet); water from Wolf Road runs East to West (towards Marley Creek).						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete (Rectangular)	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x					
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Overgrown with invasives
30. Non-native dominance?	x			x		4	(See above comment)
31. Standing water or wet spots?							
32. Sediment/trash accumulation?	x			x		3	Trash & sediment accumulation >12" (Eastern half)
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		4	Eastern inlets are overgrown
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	Overgrown with invasives
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Aside from a few patches of cinnamon willowherb
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Well-vegetated but with invasives
% Coverage of bare earth?	x		<2% Bare
Excessive erosion?		x	
Wetland bottom? - describe	x		Very overgrown with invasives
Dominant Vegetation? - describe	x		Cattails, teasel, phragmites, sandbar willow
% Vegetative Cover	%Veg	100%	%Open Water 0% Comment:
Sediment accumulation?	x		Depth: >12" East half by infrastructure (inlets)
Comments:	n/a		

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minimal erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Sediment accumulation on Eastern half at flared end section. Blockage of flow due to sediment at flared end section/pooling of water. (3)

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Very overgrown with invasives (needs extensive weeding). (4)

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-29**						
Site Name:	**Autumn Ridge Middle Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-01-2021**						
Time:	**11:11am**						**Pond Ranking: 4**
Weather:	**74 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**3**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		3	Overgrown upstream face
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete (Rectangular)	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Very overgrown with woody non-natives
30. Non-native dominance?	x			x		4	
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?	x			x		3	Debris blockages
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	(See comment this page)
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Invasives (although, original plan was a natural restoration area)			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Well-vegetated, but with invasives			
% Coverage of bare earth?		x				
Excessive erosion?		x				
Wetland bottom? - describe	x		Weedy/overgrown			
Dominant Vegetation? - describe	x		Teasle, sandbar willow, cattails, red osier dogwood, honeysuckle, mulberry			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: Unknown due to overgrowth			

Comments:	*45. Aesthetics:* Overgrown with invasives (supposed to be natural restoration area)

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor erosion along riprap	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Unknown due to overgrowth

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Very overgrown with invasives. Needs vegetative management. (4)

Needs extensive weeding and clearing of debris blocking flow of water through riprap.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-31**						
Site Name:	**Breckenridge Boulevard South**						
Evaluator(s)	**Brad Nowak**						
Date:	**09-09-2021**						
Time:	**3:55pm**						**Pond Ranking: 1**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**2**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x			x			See comment below
a) Is debris removal necessary?		x		x		1	Minor amount of vegetation
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	Minor sediment accumulation
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x					
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?	x						
Excessive erosion?		x					
Wetland bottom? - describe		x					
Dominant Vegetation? - describe	x		Cattails and phragmites				
% Vegetative Cover	%Veg	85%	%Open Water		15%	Comment:	
Sediment accumulation?		x	Depth:				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-32**						
Site Name:	**Imperial West Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**09-09-2021**						
Time:	**02:40pm**						**Pond Ranking: 1**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**2**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		1	Vegetation on spillway is a little excessive
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x						
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?		x		x		2	Dense wall of vegetation
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:		x			x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x				x	1	Minor erosion
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?	x		Neighbor complained about Garter snakes getting into his house and basement. He said he believes they are coming from the wetland
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance	x		Well-managed native slopes/shoreline
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Shallow bottom with algae and emergent wetland veg. (ex: burr reed)
Dominant Vegetation? - describe	x		Big bluestem, little bluestem, blue vervain, Canada goldenrod, etc.

% Vegetative Cover	%Veg	0%	%Open Water	100%	Comment:	
Sediment accumulation?	x		Depth: sediment accumulation on north side of the pond			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	70%		1		Monitor	
% of total moderate 6 - 12 inches	30%		1		Monitor	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Resident complained that Garter snakes get into yard and basement.

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

n/a

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	31-33					
Site Name:	Imperial East Pond					
Evaluator(s)	Brad Nowack					
Date:	09-09-2021					
Time:	02:10pm					
Weather:	55 Degrees F, Sunny					
Approx. days since last precip:	2					
Eng Plans Available?	Yes	x	No		Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 3

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x				x	1	Minor erosion
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition*							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Could not find outlet, overgrown vegetation (native tallgrasses)
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	About 6-12" of erosion around the pond
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?							
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		3	Overgrown - could not locate outfalls/inlets
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance	x		Planted native tallgrasses mixed with prairie wildflowers
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		
% Coverage of bare earth?		x	
Excessive erosion?	x		
Wetland bottom? - describe		x	Open water
Dominant Vegetation? - describe	x		Canada goldenrod, indiangrass, big bluestem, monarda
% Vegetative Cover	%Veg	0%	%Open Water 100% Comment:
Sediment accumulation?	x		Depth: Undetermined
Comments:	n/a		

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	5%	1	Minor
% of total moderate 6 - 12 inches	95%	2	Almost all of perimeter eroded - monitor
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Pond water is very muddy/silty and with the active erosion, there is sediment accumulation (depth is unknown).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

The native prairie tallgrasses are overgrown and make it very difficult to locate and assess infrastructure.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-36**						
Site Name:	**Breckenridge Park Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-01-2021**						
Time:	**02:30pm**						**Pond Ranking: 4**
Weather:	**77 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**3**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Very overgrown pond
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		3	Overgrown
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x			x		3	Overgrown wetland
a) For hand labor?	x				x		
b) For heavy equipment?		x		x		3	Overgrown wetland
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition*							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	*Unable to locate (Overgrown)
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure*	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				Unable to locate
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?	x			x		4	>95% lily pad coverage
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?							Unable to assess
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures							
38. Evidence of slope erosion?							Unable to locate
39. Other? (specify in comments / comments section below)							
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		Unable to locate

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?	x		Very overgrown with invasives around & lily pads on water
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	Multiple residents agree
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown x**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		Overgrown w/invasives (teasel, sandbar willow, etc.)
Healthy? - describe	x		Well-vegetated, but very overgrown/weedy
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Shallow with a ton of lily pad growth
Dominant Vegetation? - describe	x		Lily pads, teasel, sandbar willow

% Vegetative Cover	%Veg	95%	%Open Water	5%	Comment:	Lily pads >95% coverage
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank*	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches			*Unable to Determine
% of total moderate 6 - 12 inches			*Unable to Determine
% of total severe >12 inches			*Unable to Determine

Infrastructure at Risk	Yes		No		Comment:	n/a

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Beaver lodge center of Southern basin (right side of playground).

Visual Water Quality Concerns:

>95% Lily pad coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Too overgrown to assess infrastructure and pond (need clearings to infrastructure).

Needs lily pad removal and control.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-41**						
Site Name:	**Karli Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-27-2021**						
Time:	**11:42am**						**Pond Ranking: 1**
Weather:	**85 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x			x		2	Downstream face needs vegetation control
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		2	(See above comment)
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		On SE side of pond
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x			x		2	Clear debris (see photos)
a) Is debris removal necessary?	x			x		2	Clear debris (see photos)
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	3-6" in structure (mud)
18. Outfall channel functioning?	x			x		1	Overgrowth of weeds
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?	x				x		Duckweed (no need for removal)
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?		x			x		
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		2	Clear debris/sediment (muck)
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x		Burr reed, cattail, arrowhead				
Are Sideslopes well vegetated?	x		Mix of natives and invasives (buckthorn)				
Healthy? - describe	x		Well vegetated				
% Coverage of bare earth?	x		<2% Bare (near shoreline)				
Excessive erosion?		x					
Wetland bottom? - describe	x		Muddy, shallow (<1 ft), duckweed, native wetland veg.				
Dominant Vegetation? - describe	x		Burr reed, arrowhead, cattail				
% Vegetative Cover	%Veg	75%	%Open Water		25%	Comment:	
Sediment accumulation?	x		Depth: Approximately 6-8" - difficult to tell with mucky standing water				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor/no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a - No fish.

Visual Water Quality Concerns:

Duckweed on majority of surface. Shallow, muddy water (creek-like).

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Overgrown vegetation on slopes hides pond (appears to be naturalized).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**31-53**						
Site Name:	**Orland Woods II Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-27-2021**						
Time:	**11:30am**						**Pond Ranking: 2**
Weather:	**85 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway on NE slope
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?		x		x		3	Very weedy with bare spots on pond basin
30. Non-native dominance?	x			x		3	Weedy (teasel)
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)	x			x		2	~6" Sediment accumulation in structure
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	Needs teasle weeded/removed
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		With natives and teasel
Healthy? - describe	x		Yes, but needs weeding and bare spots filled in
% Coverage of bare earth?	x		<5% bare (bottom)
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe	x		Teasel

% Vegetative Cover	%Veg	95%	%Open Water	0%	Comment:	
Sediment accumulation?		x	Depth:			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minimal to no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Monitor sedimentation in and around infrastructure (inlet).

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Needs extensive weed control of teasel (3).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**32-01**						
Site Name:	**Eagle Ridge Pond 1**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-27-2021**						
Time:	**11:00am**						**Pond Ranking: 1**
Weather:	**84 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)	x				x		
Notes/comments:	Spillway = NE slopes towards intersection at 108th Avenue and Eagle Ridge Drive.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
*Orifice	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete*	x			x		3	Remove vegetation in front of orifice
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?	x			x		2	~12" in NE concrete splash pad (veg. & sed.)
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance			n/a				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?		x					
Excessive erosion?		x					
Wetland bottom? - describe			n/a				
Dominant Vegetation? - describe			n/a				
% Vegetative Cover	%Veg	100%	%Open Water		0%	Comment:	
Sediment accumulation?	x		Depth: Minor (~3-5")				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Monitor sedimentation around Northern concrete splash pad.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Remove excessive vegetation (spike rush) in Northern concrete splash pad.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**32-02**						
Site Name:	**Eagle Ridge 2**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-25-2021**						
Time:	**10:30am**						**Pond Ranking: 1**
Weather:	**81 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Spillway = NE corner
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		Monitor bare spot above headwall
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		2	Active erosion (minor)
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	Good	x	**Fair**		**Poor**		Needs weeding/maintenance
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	Invasive dominance				
Are Sideslopes well vegetated?	x		Well-vegetated w/invasives				
Healthy? - describe	x		Needs weeding				
% Coverage of bare earth?	x		<2% Bare				
Excessive erosion?		x					
Wetland bottom? - describe	x		Clear yet shallow w/algal growth				
Dominant Vegetation? - describe	x		Ragweed, reed canary, teasel, Queen Anne's lace - Invasive				
% Vegetative Cover	%Veg	15%	%Open Water	85%	Comment:		Algae
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	90%	1	Minor or no erosion, moderate can worsen quickly
% of total moderate 6 - 12 inches	8%		1
% of total severe >12 inches	2%	3	W/SW Shoreline and around muskrat trenches

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

Monitor around infrastructure and slopes that are mostly lawn grass near shoreline (potential for cracking).

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present and muskrats present.

Visual Water Quality Concerns:

No lily pads.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Could benefit from weed control and native seeding.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**32-03**						
Site Name:	**Eagle Ridge Pond 3**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-27-2021**						
Time:	**09:55am**						**Pond Ranking: 1**
Weather:	**76 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		Grassland (across street) South
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		2	Monitor active sediment accumulation (6")
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x		2	Minimal piles inside (not restricting flow)
18. Outfall channel functioning?	x			x		2	In protected Orland Grassland (needs brush cleaning); overgrown outfall
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		2	(See comment this page)
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	*20.d. Joint failures?:* Southern outlet joint failure (no hole). There is cracking at bottom of pipe (inside).						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		2	Minor wet spots (South by outlet)…
32. Sediment/trash accumulation?	x			x		2	…due to sediment accumulation (minor)
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance			n/a
Are Sideslopes well vegetated?	x		Lawn grass
Healthy? - describe	x		Lawn grass
% Coverage of bare earth?		x	0% Bare
Excessive erosion?		x	
Wetland bottom? - describe			n/a
Dominant Vegetation? - describe			n/a

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: Minimal, 6-8" at most near flared end section basin			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Monitor sediment accumulation at outlet/inside outlet.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Outfall channel should be managed for overgrown vegetation (2).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**32-04**						
Site Name:	**Eagle Ridge Pond 4**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-27-2021**						
Time:	**10:20am**						**Pond Ranking: 3**
Weather:	**82 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		Southern end toward/across sidewalk & st.
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		2	Upstream face slopes could use more vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	*n/a*						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?	x			x		3	Slope protection around panel (netting) breaking/failing. Needs resetting with more resistant material.
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Algal growth
25. Excessive floating debris?	x			x		2	Northern end (algae)
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		1	Minor on shoreline
28. Other?			x				
Comments:							

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Significant slope erosion around inlets (see photos)
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	Algae floating, inadequate vegetation on slopes				
Are Sideslopes well vegetated?		x	Lots of bare spots due to waterfowl and erosion				
Healthy? - describe	x		Healthy for fish/clarity, needs more vegetation				
% Coverage of bare earth?	x		>45% Bare				
Excessive erosion?	x		On slopes around pond				
Wetland bottom? - describe	x		Water is clear but has lots of algae				
Dominant Vegetation? - describe	x		Algae in water/inadequate vegetation				
% Vegetative Cover	%Veg	15%	%Open Water		85%	Comment:	Algae on Northern end
Sediment accumulation?	x		Depth: Undetermined				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	99%		1		Minimal	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	1%		3		Slope protection needed/failing around inlets (severe erosion)	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	Inlets/outlet

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present. Waterfowl (many, ~100 ducks), eating/restricting vegetative growth, increasing erosion, and contributing to eutrophication.

Visual Water Quality Concerns:

0% Water lily coverage.

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Monitor erosion around infrastructure and reset/reinforce slope protection (current netting is breaking).

Needs adequate vegetation on slopes to prevent harmful runoff and further erosion.

Restrict access to waterfowl.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**32-05**						
Site Name:	**Beth Pond**						
Evaluator(s)	**Adam Janicki & Jedd Anderson**						
Date:	**08-26-2021**						
Time:	**11:10am**						**Pond Ranking: 3**
Weather:	**83 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x			x		2	Actively managed, downstream side needs weeding
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		2	Overgrown on downstream side
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		2	Severe erosion >12"
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	Monitor erosion around spillway (severe >12").; Downstream face of spillway needs weeding.						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Appears to be active management
25. Excessive floating debris?	x			x		2	Algae/lily pads >90% cover
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		4	Severe (1-3 ft.) SE side of entire basin
28. Other?			x				
Comments:							

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		4	SE slopes of pond
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**	x	Some will find it 'poor'/other may like it
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	Weedy aside from lily pads in water
Are Sideslopes well vegetated?	x		Most slopes are; SE side/slopes are not
Healthy? - describe		x	Adequate vegetation, although weedy
% Coverage of bare earth?	x		<5% Bare
Excessive erosion?	x		Where vegetation is poorly established
Wetland bottom? - describe	x		Algae, muddy
Dominant Vegetation? - describe	x		Lily pads

% Vegetative Cover	%Veg	90%	%Open Water	10%	Comment:	Algae on Northern end
Sediment accumulation?	x		Depth: Undetermined			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	65%		1		Minor/minimal	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	35%		4		1-3 ft. of erosion on S/SE slopes/shorelines	
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	Not urgent, can occur over time

Shoreline Erosion Comments/Concerns:

SE corner of main basins - severe erosion (see photos). Lots of bare earth. Pond is excavated out of highly erodable soil.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

Fish present. Muskrat activity HIGH around pond. Approximately 90% lily pad coverage (needs reduction of lily pads, pond needs oxygen).

Visual Water Quality Concerns:

Significant algae and lily growth.

Basin Capacity Concerns - Sedimentation:

Erosion on SE side of basin needs management. Erosion thoughout pond should be monitored.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Evidence of active non-native/invasive management.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**32-07**						
Site Name:	**Diego Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-27-2021**						
Time:	**08:40am**						**Pond Ranking: 2**
Weather:	**75 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x			x		3	Overgrown w/veg. and 6-8" of sediment
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?		x					
15. Low flow trash rack:		x					
a) Is debris removal necessary?							
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?	x			x			
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?	x			x		2	Eastern inlet
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)	x			x		2	Slope erosion around flared end section
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		2	Needs maintenance for sedument accum.
32. Sediment/trash accumulation?	x			x		2	Minor throughout basin; >8" at flared end section
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		2	(See comment this page)
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x					
% Coverage of bare earth?		x	0% Bare			
Excessive erosion?		x				
Wetland bottom? - describe			n/a			
Dominant Vegetation? - describe			n/a			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: 6-8", >12" in/around flared end section			
Comments:	*38. Evidence of slope erosion?:* Eastern inlet slope erosion (severe) and cracking/settling of slope (see photos).					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	99%		1		No erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	1%		2			
Infrastructure at Risk	**Yes**	**x**	**No**		**Comment:**	Eastern inlet

Shoreline Erosion Comments/Concerns:

Monitor erosion at flared end sections. FES's need sediment/vegetation removal to mitigate wet spots.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

6-8" in majority of basin (accumulation). >12" accumulation around flared end section.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Flared end sections need maintenance for sediment accumulation (see photos).

Eastern inlet slope cracking due to erosion (see photos).

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**32-08**						
Site Name:	**Amber Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-27-2021**						
Time:	**08:55am**						**Pond Ranking: 2**
Weather:	**76 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	*2 catch basins on basin bottom = outlets; 2 inlets on East bottom
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		Adequate vegetation
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)	x				x		
Notes/comments:	Spills into N. Pond (32-07); Overflow/emergency spillway flows into sidewalk on Eastern slope						

Outlet/Riser Condition*							
	Question			Maintenance Necessary		Rank How Critical	Comments:
*Catch basins on bottom (x2)	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x	2	Minor settling
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:		x			x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x		2	2 catch basins on bottom (middle) have settling
a) Cracks or displacement?		x			x		Settling creating holes around structure
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x						
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?			x				
31. Standing water or wet spots?	x			x		3	Wet spots (East side) due to sed. accum.
32. Sediment/trash accumulation?	x			x		3	8-12"+ sed. acc. at flared end sections
33. Low flow channels?		x			x		
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good	x	Fair		Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance			n/a			
Are Sideslopes well vegetated?	x					
Healthy? - describe	x		Lawn grass			
% Coverage of bare earth?		x	0% Bare			
Excessive erosion?		x				
Wetland bottom? - describe			n/a			
Dominant Vegetation? - describe			n/a			
% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Depth: 6-8" up to >12" at flared end sections/inlets			

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	100%		1		Minor to no erosion	
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

Maintenance needed in near future at flared end sections due to sediment accumulation >12" (causing wet spots), Eastern basin.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Holes around catch basins due to settling.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	33-01					
Site Name:	Orland Parkway East Pond					
Evaluator(s)	Adam Janicki					
Date:	09-15-2021					
Time:	08:27am					
Weather:	59 Degrees F, Sunny					
Approx. days since last precip:	8					
Eng Plans Available?	Yes		No	x	Rev'd?	
MMP Available?	Yes		No	x	Rev'd?	
Planting Plan Available?	Yes		No	x	Rev'd?	

Pond Ranking: 2

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x						
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x			x		2	Overgrown
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		Must enter through NE parkway
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Cannot locate and no site plans
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	**Cannot locate any infrastruture
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x				x		
30. Non-native dominance?	x			x		2	Overgrown phragmites
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x			x		
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Fully-vegetated and functioning properly
% Coverage of bare earth?		x	
Excessive erosion?		x	
Wetland bottom? - describe	x		Dry bottom with phragmites
Dominant Vegetation? - describe	x		Phragmites

% Vegetative Cover	%Veg	100%	%Open Water	0%	Comment:	
Sediment accumulation?	x		Evident throughout bottom but undetermined depth			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	Insignificant
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Cannot locate any FES's (location and quantity of FES's/pipes are unknown due to overgrowth and no sites plans).

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

This site is functioning properly and is well-vegetated. The pond bottom is overgrown with phragmites, thus making it difficult to locate infrastructure without site plans).

Other than being very overgrown, there appears to be no significant issues with the pond.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**P33-01**						
Site Name:	**Mill Creek Pond**						
Evaluator(s)	**Adam Janicki**						
Date:	**08-12-2021**						
Time:	**11:00am**						**Pond Ranking: 5**
Weather:	**77 Degrees F, Sunny**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Concrete spillway with riprap
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?	x			x		3	Upstream face severe erosion
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete			x				
Plastic	x			x		2	debris removal, severe erosion
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x	2	Clear debris
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		4	Excessive lily pad coverage >95% surface
25. Excessive floating debris?	x			x		4	See comment above
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		3	Severe shoreline erosion around pond
28. Other?	x			x		3	
Comments:	Residents complained about sediment accumulation from erosion and how water depth has become lower, thus allowing for more lily pads.						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	Severe erosion
39. Other? (specify in comments / comments section below)	x			x		5	Channel from inlet to pond is severely cracked/broken (hazardous)
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair	x	Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?	x		See comments on page 4				
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**		**Fair**		**Poor**	x	According to multiple residents
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**		**Unknown x**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance		x	Mix of natives and non-natives				
Are Sideslopes well vegetated?	x						
Healthy? - describe	x		Well-vegetated despite excessive lily pad coverage				
% Coverage of bare earth?	x		<5% bare				
Excessive erosion?	x		Severe shoreline erosion around pond				
Wetland bottom? - describe	x		Significant sediment accumulation affecting water depth and water lily				
Dominant Vegetation? - describe	x		Lily pads and Queen Annes lace				
% Vegetative Cover	%Veg	~95%	%Open Water		~5%	Comment:	Lily pad coverage
Sediment accumulation?	x		undetermined (enough to affect water depth)				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	0%					
% of total moderate 6 - 12 inches	0%					
% of total severe >12 inches	100%		3		Active severe erosion around pond	
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	None as of now

Shoreline Erosion Comments/Concerns:

Shoreline erosion around pond is severe and in many areas >2ft.

Other Utility Comments:

Concrete channel is broken off into pond and has severe cracking (hazardous).

Wildlife Comments/Concerns:

Residents claim that lily pads and water depth is inadequate for fish although there are fish present.

Visual Water Quality Concerns:

>95% lily pad coverage.

Basin Capacity Concerns - Sedimentation:

Severe erosion has caused significant sedimentation accumulation throughout pond bottom.

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Residents are concerned that the aesthetics of the pond is ruining property value.

Residents claim that there is major flooding around pond following rainfall take 2+ days to go down.

Residents want lily pads controlled and a fountain to be constructed.

Terrible smell after lily pads die.

According to residents, the inlet channel has constant running water.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**P34-01**						
Site Name:	**Palos Springs Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**08-13-2021**						
Time:	**09:30am**						**Pond Ranking: 3**
Weather:	**80 degrees, cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	x	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	x	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	x	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?		x		x		2	Bare earth over spillway
4. Adequate freeboard?	x				x		About 1ft of erosion
5. Embankment erosion evident?	x			x			
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?		x		x			
a) For hand labor?		x		x			Significant overgrown vegetation on west side of pond. It is very difficult to access that side by foot and would be impossible by heavy equipment
b) For heavy equipment?		x		x			
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x			x			See comment below
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?	x			x		4	Outlet joint failure
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		3	Lots of purple loosestrife
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		3	Lots of erosion on West side of pond. About 6-12"
28. Other?							
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		3	About 6-12" of erosion on west side of pond
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good		Fair	x	Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x				
Are Sideslopes well vegetated?	x		Some bare spots on west side, but overall good			
Healthy? - describe	x					
% Coverage of bare earth?	x		10% bare earth			
Excessive erosion?	x					
Wetland bottom? - describe	x		Lilly pads and broadleaf arrowhead			
Dominant Vegetation? - describe	x		Reed canary grass and purple loosetrife			
% Vegetative Cover	%Veg	70%	%Open Water	30%	Comment:	
Sediment accumulation?	x		Depth: Undetermined			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	60%	1	East side has little erosion
% of total moderate 6 - 12 inches	40%	3	West side is eroded
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

West side should be monitored.

Other Utility Comments:

Joint failure on East side of outlet structure.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Needs weed control of non-natives/invasives and repairs of pipes.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**P34-02**						
Site Name:	**Butterfield Pond**						
Evaluator(s)	**Brad Nowak**						
Date:	**08-13-2021**						
Time:	**09:00am**						**Pond Ranking: 1**
Weather:	**80 degrees, cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?		x		x		2	Bare patches at spillway
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?	x				x		
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?	x				x		
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?		x		x		1	Will not be able to access spillway because vegetation is blocking access
13. Other? (specify in comments below)							
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:	x			x			See comment below
a) Is debris removal necessary?	x				x	1	Minor debris accumulation
b) Is corrosion evident?		x			x		
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		
a) Cracks or displacement?		x			x		
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?		x			x		
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?		x			x		
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x				x	1	Small amount of erosion on the south side of pond
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?		x			x		
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good	x	Fair		Poor		
Other	**Yes**	**No**	**Comments:**				
42. Encroachments into stormwater easement?		x					
43. Complaints from residents?		x					
a) Mowing required		x					
b) Graffiti removal necessary?		x					
c) Other (specify)		x					
44. Any public hazards (specify in comments section below)?		x					
45. Asthethics:	**Good**	x	**Fair**		**Poor**		
46. Does the pond have a safety shelf?	**Yes**		**No**	x	**N/A**		**Unknown**
Wetlands-Native Plantings	**Yes**	**No**	**Comments:**				
Native Predominance	x						
Are Sideslopes well vegetated?	x						
Healthy? - describe	x						
% Coverage of bare earth?	x		~5% bare earth				
Excessive erosion?		x					
Wetland bottom? - describe	x		Emergent aquatic vegetation (including lily pads), murky bottom				
Dominant Vegetation? - describe	x		Broadleaf arrowhead				
% Vegetative Cover	%Veg	10%	%Open Water		90%	Comment:	
Sediment accumulation?		x	Depth:				
Comments:	n/a						

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%		Urgency = 1 low - 5 high		Comment/Reason for Score:	
% of total n=minor 0-6 inches	95%		1		No erosion	
% of total moderate 6 - 12 inches	5%		1		Small sections of erosion >6"	
% of total severe >12 inches	0%					
Infrastructure at Risk	**Yes**		**No**	**x**	**Comment:**	

Shoreline Erosion Comments/Concerns:

Southern shoreline erosion - monitor annually.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Pond has signage stating that it is planted with native vegetation but could use weeding.

Overall, pond is in good condition.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN - OVERGROWN

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**P34-03**						
Site Name:	**Southwest Highway**						
Evaluator(s)	**Adam Janicki**						
Date:	**09-15-2021**						
Time:	**10:00am**						
Weather:	**70 Degrees F, Sunny**						
Approx. days since last precip:	**0**						
Eng Plans Available?	**Yes**		**No**	**x**	**Rev'd?**		
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		

Pond Ranking: 4

Priority Ranking System

1 - Low priority, Monitor condition annually

2/3 - Maintenance Active issues - monitor

4 - Maintenance Recommended Soon

5 - Urgent Maintenance Required

	Question			Maintenance Necessary		Rank How Critical	Comments:
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	Unable to locate - very overgrown
1. Present -Found?			x				
2. Spillway level?			x				
3. Adequate vegetation and groundcover? Overgrown?			x				
4. Adequate freeboard?			x				
5. Embankment erosion evident?			x				
6. Cracking, bulging, or slumping?			x				
a) upstream face?			x				
b) downstream face?			x				
c) at or below toe upstream?			x				
d) at or below toe downstream?			x				
e) emergency spillway?			x				
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?			x				
9. Seeps or leaks on downstream face?			x				
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?			x				
12. Access available for maintenance?							
a) For hand labor?			x				
b) For heavy equipment?			x				
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	Unable to locate - very overgrown
Type: Concrete			x				
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?			x				
15. Low flow trash rack:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?			x				
18. Outfall channel functioning?			x				
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:			x				Unable to locate - very overgrown
a) Cracks or displacement?			x				
b) Minor spalling?			x				
c) Major spalling - rebar exposed?			x				
d) Joint failures?			x				
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?			x				
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?			x				
25. Excessive floating debris?			x				
26. Visible pollution?			x				
27. Evidence of shoreline erosion?			x				
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?	x			x		4	Overgrown with non-natives
30. Non-native dominance?	x			x		4	See comment above
31. Standing water or wet spots?		x			x		
32. Sediment/trash accumulation?		x					
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures			x				
38. Evidence of slope erosion?			x				
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good		Fair		Poor		n/a
41. Condition of pipes?	Good		Fair		Poor		n/a

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?		x	
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**		**Poor**	x	
46. Does the pond have a safety shelf?	**Yes**		**No**		**N/A**	x	**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:
Native Predominance		x	
Are Sideslopes well vegetated?	x		
Healthy? - describe	x		Overgrown with woody non-natives (buckthorn, callery pear, black alder, etc.)
% Coverage of bare earth?	x		>20% bare on pond bottom
Excessive erosion?		x	
Wetland bottom? - describe	x		Bare spots and native wetland vegetation
Dominant Vegetation? - describe	x		Wetland: water plantain, water hemlock, smartweed

% Vegetative Cover	%Veg	~85%	%Open Water	0%	Comment:	
Sediment accumulation?		X				

Comments:	n/a

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	100%	1	No erosion apparent
% of total moderate 6 - 12 inches	0%		
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

n/a

Other Utility Comments:

Could not locate any utilities due to overgrowth and lack of site plans.

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Native wetland on pond bottom has water hemlock (native yet highly toxic).

This site is an overgrown wetland/naturalized pond.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Standardized Pond Evaluation Form

CBBEL Project No: 210335

Orland Park Pond ID #:	**P35-01**						
Site Name:	**Parkview Estates Pond and Park**						
Evaluator(s)	**Brad Nowak**						
Date:	**8-13-2021**						
Time:	**10:05am**						**Pond Ranking: 2**
Weather:	**80 degrees, partly cloudy**						**Priority Ranking System**
Approx. days since last precip:	**1**						**1 - Low priority, Monitor condition annually**
Eng Plans Available?	**Yes**	**x**	**No**		**Rev'd?**		**2/3 - Maintenance Active issues - monitor**
MMP Available?	**Yes**		**No**	**x**	**Rev'd?**		**4 - Maintenance Recommended Soon**
Planting Plan Available?	**Yes**		**No**	**x**	**Rev'd?**		**5 - Urgent Maintenance Required**

	Question			**Maintenance Necessary**		**Rank How Critical**	**Comments:**
Emergency Spillway	**Y**	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	
1. Present -Found?	x				x		
2. Spillway level?	x				x		
3. Adequate vegetation and groundcover? Overgrown?	x				x		
4. Adequate freeboard?	x				x		
5. Embankment erosion evident?		x			x		
6. Cracking, bulging, or slumping?		x			x		
a) upstream face?		x			x		
b) downstream face?		x			x		
c) at or below toe upstream?		x			x		
d) at or below toe downstream?		x			x		
e) emergency spillway?		x			x		
7. Pond and toe drains clear and functioning?			x				
8.Evidence of animal burrows?		x			x		
9. Seeps or leaks on downstream face?		x			x		
10. Vertical/horizontal alignment on the top of the dam per plan?			x				
11. Emergency Spillway clear?	x				x		
12. Access available for maintenance?	x				x		
a) For hand labor?	x				x		
b) For heavy equipment?	x				x		
13. Other? (specify in comments below)			x				
Notes/comments:	n/a						

Outlet/Riser Condition							
	Question			Maintenance Necessary		Rank How Critical	Comments:
	Y	N	N/A	Y	N	1 Low - 5 High	
Type: Concrete	x				x		
Plastic			x				
CMP			x				
Masonary			x				
14. Low flow orifice clear?	x				x		
15. Low flow trash rack:	x				x		
a) Is debris removal necessary?		x			x		
b) Is corrosion evident?		x			x		
16. Weir trash rack maintenance:			x				
a) Is debris removal necessary?			x				
b) Is corrosion evident?			x				
17. Sediment accumulation in structure?		x			x		
18. Outfall channel functioning?	x				x		
19. Metal pipe condition?	Good		Fair		Poor		n/a
Other Infrastructure	**Question**			**Maintenance Necessary**		**Rank How Critical**	
	Y	**N**	**N/A**	**Y**	**N**	**1 Low - 5 High**	**Comments:**
20. Concrete/masonary/manhole conditions:	x				x		See comments below
a) Cracks or displacement?	x			x		1	Inlet cracked on west side of pond, see pictures
b) Minor spalling?		x			x		
c) Major spalling - rebar exposed?	x			x		2	Inlet spalled on west side of pond, see pictures
d) Joint failures?		x			x		
21. Pond drain valve:			x				
a) Operational?			x				
b) Chained or locked?			x				
22. Slope protection or rip-rap failures?		x			x		
23. Other? (specify in comments section below)			x				
Wet Pond Condition							
24. Non-native or weedy growth?	x			x		2	Woody vegetation - scrub shrubs
25. Excessive floating debris?		x			x		
26. Visible pollution?		x			x		
27. Evidence of shoreline erosion?	x			x		1	4-6" erosion around pond
28. Other?			x				
Comments:	n/a						

Pond Elements - Review all that apply	Question			Maintenance Necessary		Rank How Critical	
	Y	N	N/A	Y	N	1 Low - 5 High	Comments:
Dry Bottom Pond Condition							
29. Adequate vegetative cover?			x				
30. Non-native dominance?			x				
31. Standing water or wet spots?			x				
32. Sediment/trash accumulation?			x				
33. Low flow channels?			x				
34. Other? (specify in comments section below)			x				
Sediment Forebays (if present)							
35. Is sediment accululation >50%?			x				
a) Is sediment depositing above NWL?			x				
b) Is there significant sediment on pond bottom?			x				
36. Provision for access for maintenance:			x				
a) For hand labor?			x				
b) For heavy equipment?			x				
Outfalls/Inlets Condition							
37. Rip-rap failures		x			x		
38. Evidence of slope erosion?	x			x		1	Minor erosion
39. Other? (specify in comments / comments section below)			x				
40. Headwall condition	Good	x	Fair		Poor		
41. Condition of pipes?	Good		Fair	x	Poor		

Other	Yes	No	Comments:
42. Encroachments into stormwater easement?		x	
43. Complaints from residents?	x		One resident complained that the village came and sprayed down the side slopes and killed many of the native plants around the pond. He said that many of the plants were also mowed down by neighbors. Many of the plants that grew back are weeds.
a) Mowing required		x	
b) Graffiti removal necessary?		x	
c) Other (specify)		x	
44. Any public hazards (specify in comments section below)?		x	

45. Asthethics:	**Good**		**Fair**	x	**Poor**		
46. Does the pond have a safety shelf?	**Yes**	x	**No**		**N/A**		**Unknown**

Wetlands-Native Plantings	Yes	No	Comments:			
Native Predominance		x	Much of the side slopes are bare and have weeds			
Are Sideslopes well vegetated?		x	Much of the side slopes are bare and have weeds			
Healthy? - describe		x	Vegetation is sparse/minimal.			
% Coverage of bare earth?	x		70% bare earth			
Excessive erosion?	x					
Wetland bottom? - describe	x		Few lily pads, shallow and murky water with little to no aquatic vegetation			
Dominant Vegetation? - describe	x		Redroot amarath and sweet flag			
% Vegetative Cover	%Veg	3%	%Open Water	97%	Comment:	
Sediment accumulation?	x		Depth: Undetermined - monitor due to erosion			
Comments:	n/a					

Total Pond Shoreline Erosion - Height of eroded bank	Must total 100%	Urgency = 1 low - 5 high	Comment/Reason for Score:
% of total n=minor 0-6 inches	95%	1	4-6" around pond (not significant enough for repairs)
% of total moderate 6 - 12 inches	5%	2	Monitor
% of total severe >12 inches	0%		

Infrastructure at Risk	Yes		No	x	Comment:	

Shoreline Erosion Comments/Concerns:

Erosion control blanket is apparent around sideslopes.

Other Utility Comments:

n/a

Wildlife Comments/Concerns:

n/a

Visual Water Quality Concerns:

n/a

Basin Capacity Concerns - Sedimentation:

n/a

Other Comments, i.e., adjacent land use issues, anything out of the ordinary or worth noting:

Structures are adequate, but issues with erosion and bare earth. Recommend supplemental seeding in near future.

Sketch Basin Shoreline Condition on Aerial

©Christopher B. Burke Engineering, Ltd.

Appendix C – Photographs of Highest Priority Ponds

03-02.Thomas Pond Site Photographs

DSCN4643

DSCN4644

DSCN4645

DSCN4646

DSCN4647

DSCN4648

DSCN4649

DSCN4650

DSCN4651

DSCN4652

DSCN4653

DSCN4654

DSCN4655

DSCN4656

DSCN4657

DSCN4658

DSCN4659

DSCN4660

DSCN4661

DSCN4662

DSCN4663

DSCN4664

DSCN4665

DSCN4666

DSCN4667

DSCN4668

DSCN4669

DSCN4670

DSCN4671

DSCN4672

DSCN4673

DSCN4674

DSCN4676

DSCN4677

06-01.PinewoodNorth2 Site photographs

1

3

4

5

6

7

06-03.PinewoodNorth3 Site Photographs

IMG_2812

IMG_2813

IMG_2814

IMG_2815

IMG_2818

IMG_2819

IMG_2820

IMG_2821

IMG_2822

IMG_2823

IMG_2824

IMG_2825

IMG_2826

IMG_2827

IMG_2828

IMG_2829

IMG_2830

IMG_2831

IMG_2832

IMG_2833

IMG_2834

IMG_2835

IMG_2836

IMG_2837

IMG_2838

IMG_2839

IMG_2840

IMG_2841

IMG_2842

IMG_2843

IMG_2844

IMG_2845

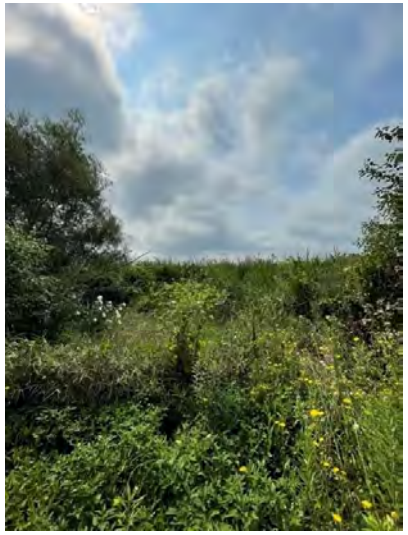
IMG_2846

06-07.Creekside Site Photographs

1

2

3



4

13-02.Cashew Site Photographs

DSCN4329

DSCN4330

DSCN4331

DSCN4332

DSCN4333

DSCN4334

DSCN4335

DSCN4336

DSCN4337

DSCN4339

DSCN4340

DSCN4341

DSCN4342

DSCN4343

DSCN4344

DSCN4345

DSCN4346

DSCN4347

DSCN4348

DSCN4349

DSCN4350

DSCN4351

DSCN4352

DSCN4353

DSCN4354

DSCN4355

DSCN4356

DSCN4357

DSCN4359

DSCN4360

DSCN4361

DSCN4362

DSCN4363

DSCN4364

DSCN4365

DSCN4366

DSCN4367

DSCN4368

DSCN4369

DSCN4370

DSCN4371

DSCN4372

DSCN4373

DSCN4374

DSCN4375

DSCN4376

DSCN4377

DSCN5069

16-12.CamenoParkPolice Site Photographs

DSCN4765

DSCN4766

DSCN4767

DSCN4768

DSCN4769

DSCN4770

DSCN4771

DSCN4772

DSCN4773

DSCN4774

DSCN4775

DSCN4776

DSCN4777

DSCN4778

DSCN4779

DSCN4780

17-02.EquestrianTrailWest Site Photographs

DSCN5723

DSCN5724

DSCN5725

DSCN5726

DSCN5727

DSCN5728

DSCN5729

DSCN5730

DSCN5731

DSCN5732

DSCN5733

DSCN5734

DSCN5735

DSCN5736

DSCN5737

DSCN5738

20-01.Beemsterboer Site Photographs

DSCN5771

DSCN5772

DSCN5773

DSCN5774

DSCN5775

DSCN5776

DSCN5777

DSCN5778

DSCN5779

DSCN5780

DSCN5781

DSCN5782

DSCN5783

DSCN5784

DSCN5785

DSCN5786

DSCN5787

DSCN5788

DSCN5789

DSCN5790

DSCN5791

DSCN5792

DSCN5793

DSCN5794

DSCN5795

DSCN5796

22-01.SetonPlace Site Photographs

IMG_7008

IMG_7009

IMG_7010

IMG_7011

IMG_7012

IMG_7013

IMG_7014

IMG_7015

IMG_7017

IMG_7018

29-04.MallardLandingPark Site Photographs

DSCN5020

DSCN5021

DSCN5022

DSCN5024

DSCN5025

DSCN5026

DSCN5027

DSCN5028

DSCN5029

DSCN5031

DSCN5032

DSCN5033

DSCN5034

DSCN5078

DSCN5079

DSCN5081

DSCN5082

DSCN5083

DSCN5084

B18-01.CatalinaIND Site Photographs

DSCN4244

DSCN4245

DSCN4246

DSCN4247

DSCN4248

DSCN4249

DSCN4250

DSCN4251

DSCN4252

DSCN4253

DSCN4254

DSCN4255

DSCN4256

DSCN4257

DSCN4258

DSCN4263

DSCN4264

DSCN4265

DSCN4266

DSCN4268

DSCN4269

DSCN4270

DSCN4271

DSCN4272

DSCN4273

DSCN4274

P28-02.LakeLucille Site Photographs

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

IMG_1742 2

18

IMG_1744 2

IMG_1746 2

IMG_1747 2

IMG_1750 2

IMG_1752 2

IMG_1756 2

IMG_1758 2

IMG_1759 2

IMG_1764 2

IMG_1767

IMG_1774 2

IMG_1775 2

IMG_1776 2

IMG_1778 2

IMG_1779 2

P33-01.MillCRKPond Site Photographs

1

2

3

4

5

6

7

8

9

10

11

12

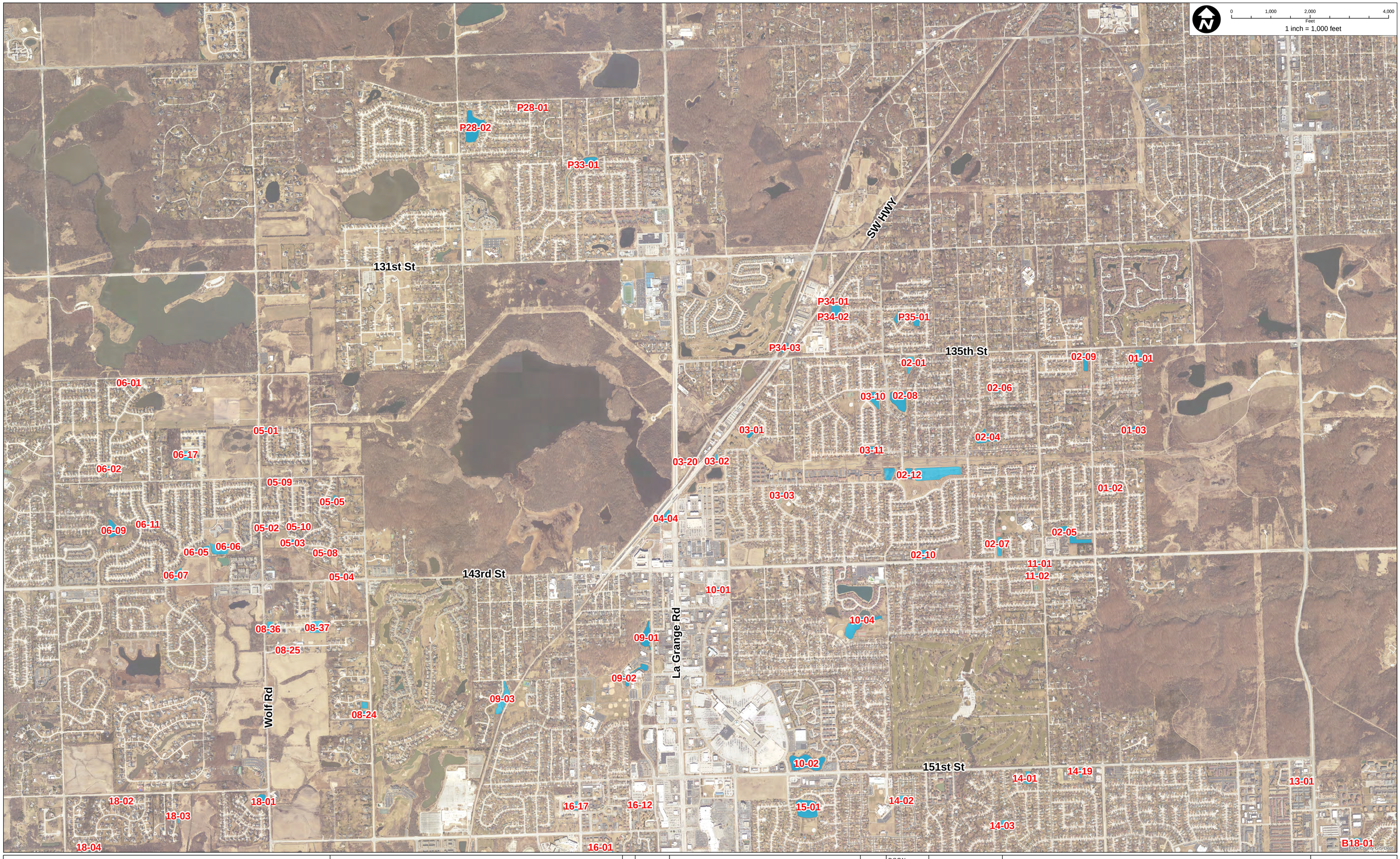
13

14

15

16

Appendix D – Study Area Map



CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CLIENT:

Village of Orland Park

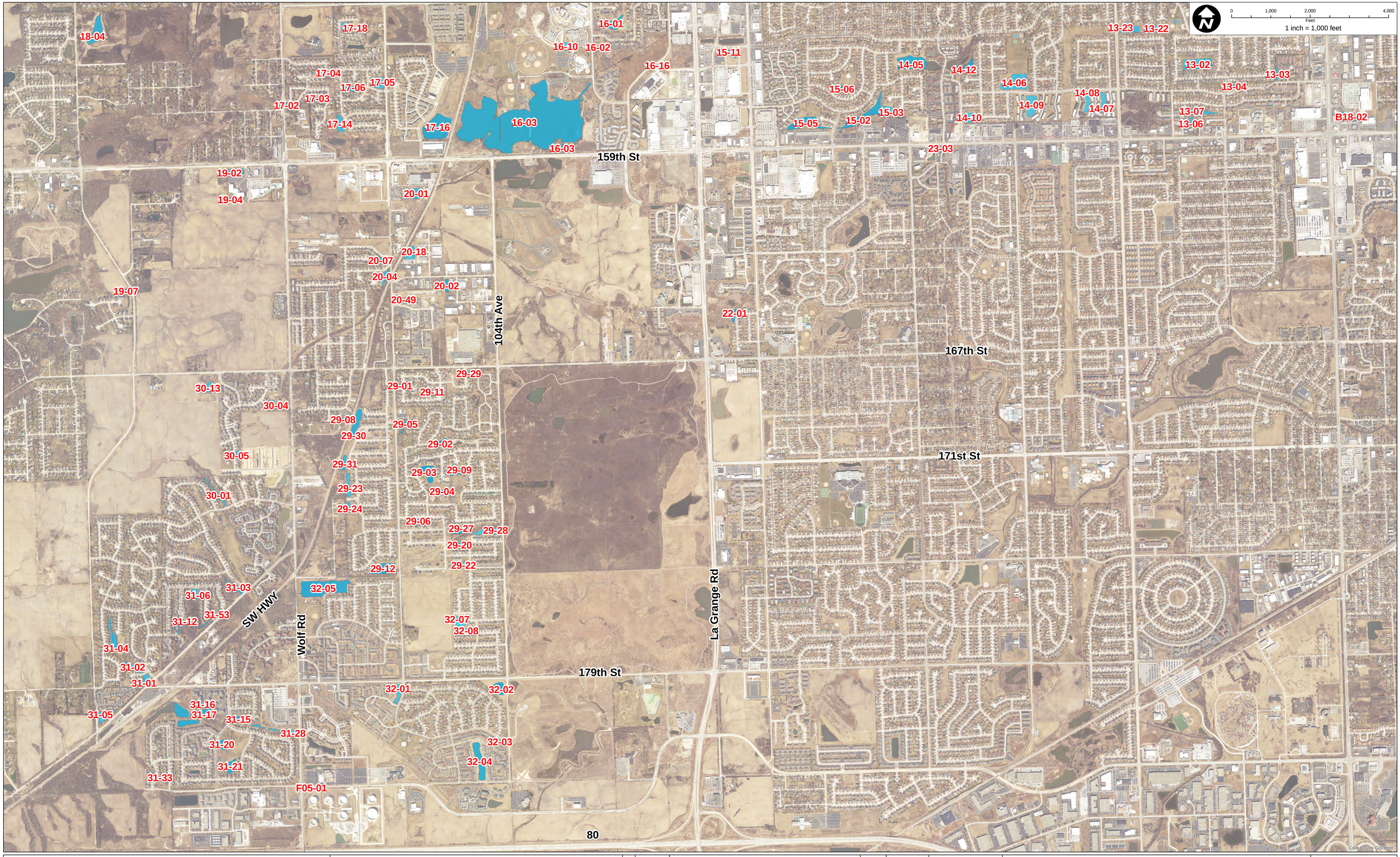
NO.	DATE	NATURE OF REVISION	CHKD.

DSGN.	
DWN:	BNOWAK
CHKD.	
SCALE:	1 ' = 1,000 "
MODEL:	ARCGIS 10
PLOT DATE	Tuesday, October 5, 2021
FILE NAME	NorthPondMap.mxd
PATH	N:\ORLANDPARK\210335 Ponds\GIS\Exhibits\NorthPondMap.mxd

TITLE:

Pond Map - STORMWATER MASTERPLAN - PHASE 1 POND EVALUATIONS

CBBEL #	210335
DATE:	10-05-21
DRAWING NO.	EXH 1



CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CLIENT:

Village of Orland Park

NO.	DATE	NATURE OF REVISION	CHKD.

DSGN.	
DWN:	BNOWAK
CHKD.	
SCALE:	1 ' = 1,000 "
MODEL:	ARCGIS 10
PLOT DATE	Tuesday, October 5, 2021
FILE NAME	SouthPondMap.mxd
PATH	N:\ORLANDPARK\210335 Ponds\GIS\Exhibits\SouthPondMap.mxd

TITLE:

Pond Map - STORMWATER MASTERPLAN - PHASE 1 POND EVALUATIONS

ESD #	
CBBEL #	210335
DATE:	10-05-21
DRAWING NO.	EXH 2