

ORLAND PARK

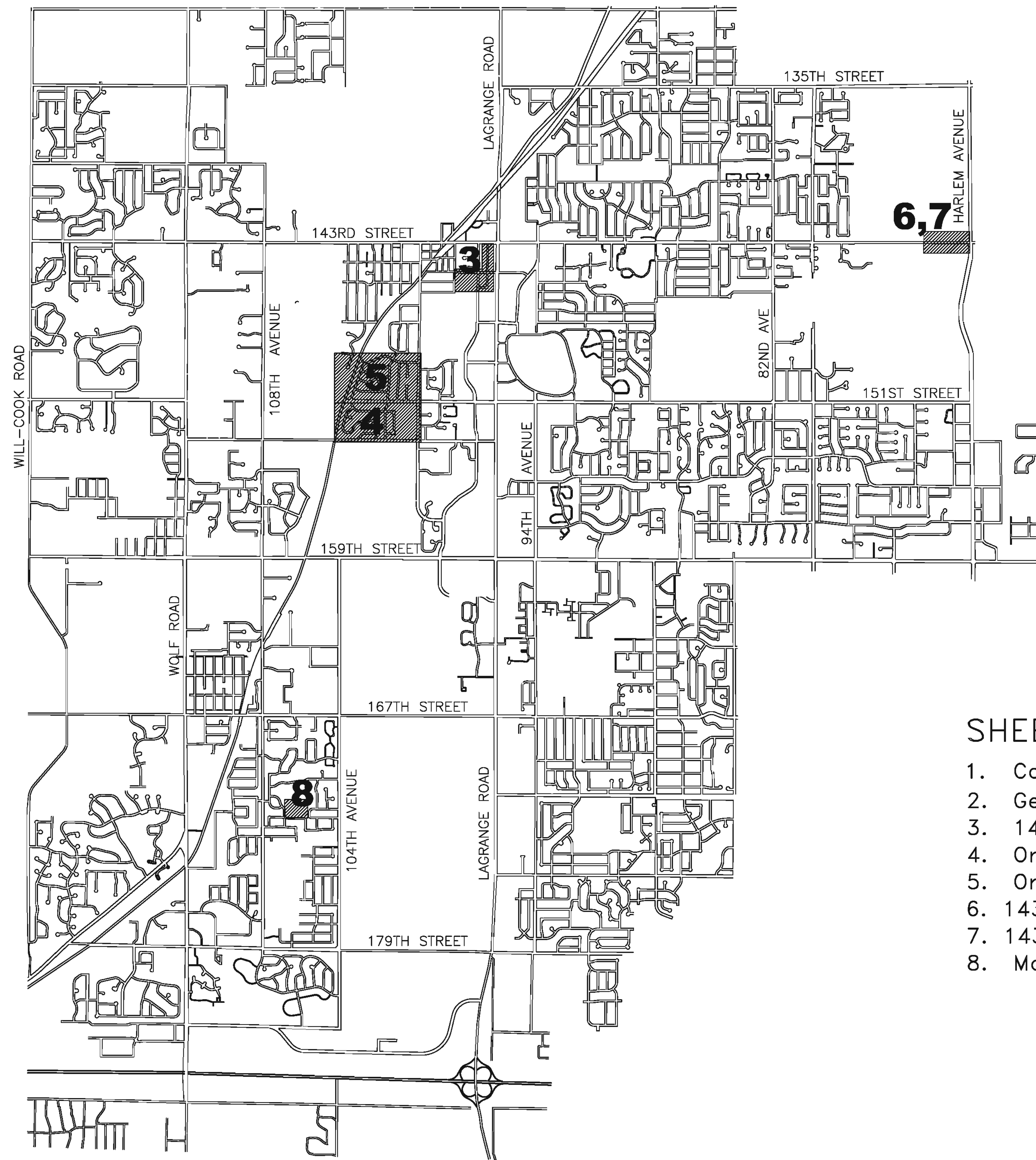
2013 Road Improvement Program




MAYOR
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 PROJECT AREA
 SHEET NUMBER

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COVER SHEET		
SCALE: NTS	2013 Road Improvement Program	DRAWN BY: RJR
DATE: 4-26-13		REVISED:
Village of ORLAND PARK		
Public Works Department		DRAWING NO. 1 OF 8

GENERAL NOTES

01. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST EDITIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND THE "STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN ILLINOIS."
02. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES FOR FIELD LOCATIONS OF THEIR FACILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES.
03. CONSTRUCTION STAKING WILL BE PROVIDED BY THE VILLAGE.
04. ALL NEW MANHOLES, CATCH BASINS, INLETS AND VALVE VAULTS SHALL INCLUDE A CAST IRON FRAME AND LID OR GRATE AS SPECIFIED IN THE CONTRACT DETAILS. AS DIRECTED BY THE ENGINEER, THE CONTRACTOR WILL SUBSTITUTE EAST JORDAN IRON WORKS FRAME 7525 AT ANY STORM STRUCTURES WHICH FALL IN THE CURBLINE AND REQUIRE AN OPEN GRATE.
05. ALL JOB SITES SHALL BE CLEAN AND SWEEPED AFTER FINAL PAVING. THE COST OF CLEANING AND SWEEPING SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.
06. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LEGAL DISPOSAL OF ALL WASTE MATERIAL AND ALL ASSOCIATED COSTS. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ANY REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL, AND STATE AND LOCAL TIPPING FEES ASSOCIATED WITH MEETING THE REQUIREMENTS OF PUBLIC ACT 96-1416.
07. ALL WORK SHALL BE COMPLETED IN EACH PROJECT AREA (IN PLAN ORDER) BEFORE STARTING WORK IN ANOTHER AREA, UNLESS APPROVED BY THE ENGINEER.
08. THE VILLAGE FULLY EXPECTS THE CONTRACTOR TO COMPLETE ALL WORK (EXCEPT SODDING & TOPSOIL) BY OCTOBER 15TH. THE SUCCESSFUL CONTRACTOR SHALL SUBMIT A SCHEDULE PRIOR TO STARTING ANY WORK AND SUBMIT WEEKLY PROGRESS REPORTS TO BE USED FOR UPDATING THE VILLAGE'S WEBSITE AND SHOW THAT WORK IS PROGRESSING ON SCHEDULE.
09. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY AND ALL NECESSARY STATE OR COUNTY PERMITS.
10. NO CONSTRUCTION WORK SHALL BE DONE DURING STORMY, FREEZING OR INCLEMENT WEATHER, EXCEPT THAT WHICH CAN BE DONE IN A MANNER TO SECURE FIRST CLASS CONSTRUCTION THROUGHOUT, AND THEN ONLY SUBJECT TO PRIOR WRITTEN PERMISSION OF THE ENGINEER.
11. UNLESS OTHERWISE NOTED, ANY STREET SIGNS REMOVED AND/OR DAMAGED DURING, OR AS A RESULT OF THE CONSTRUCTION SHALL BE REPLACED AT THE ORIGINAL LOCATION, WITH THE ORIGINAL UNDAMAGED SIGN OR AN APPROVED EQUAL AT NO COST TO THE VILLAGE.
12. THE UNIT PRICE FOR ALL SIDEWALK, CURB, AND DRIVEWAY REMOVAL ITEMS SHALL INCLUDE SAW-CUTTING, RINSING WITH WATER AFTER SAW-CUTTING, AND REMOVAL OF EXISTING TO THE PROPOSED DEPTH.
13. SIDEWALK REMOVAL (ITEM #3) SHALL BE REMOVED BY SUCH METHODS THAT WILL NOT DAMAGE THE PARKWAY AREA BETWEEN THE CURB AND THE SIDEWALK. UNNECESSARY DAMAGE TO TREES, SOD OR DRIVEWAYS IN THIS AREA SHALL BE REPAIRED OR REPLACED AT NO COST TO THE VILLAGE.
14. IN ORDER TO MAINTAIN ACCESS TO ALL PUBLIC ROADS AND MULTI-FAMILY RESIDENTIAL AREAS, SOME SECTIONS OF CURB OR SIDEWALK TO BE REMOVED MAY REQUIRE TWO SEPARATE MOBILIZATIONS. ANY ADDITIONAL COST TO COMPLETE THIS WORK IN TWO PHASES SHALL BE INCIDENTAL TO THE COST OF THE WORK BEING PERFORMED.
15. COMBINATION CURB & GUTTER REMOVAL (#8) SHALL INCLUDE SAW-CUTTING AND EXCAVATING APPROXIMATELY ONE FOOT OF ASPHALT PAVEMENT ADJACENT TO THE CURB IN ORDER TO ALLOW FOR PROPER FORMING. AFTER CONCRETE IS REPLACED AND SUFFICIENTLY CURED, THIS AREA SHALL BE BACKFILLED WITH COMPACTED CA-6 AGGREGATE, PAVED WITH 3 IN. BINDER COURSE, AND LEFT 1-1/2" BELOW THE FRONT OF THE CURB IN ORDER TO ALLOW FOR SURFACE COURSE.
16. THE CONTRACTOR WILL BE RESPONSIBLE FOR DELIVERING A COPY OF ANY AND ALL MATERIAL DELIVERY TICKETS TO THE ENGINEER ON THE DAY THE MATERIAL IS DELIVERED.
17. BITUMINOUS MATERIALS (PRIME COAT) SHALL BE SS-1 APPLIED AT THE RATE OF 0.10 GALLONS/S.Y. ON THE DAY OF PAVING.
18. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PRESERVE ALL LAWN/LANDSCAPE SPRINKLER SYSTEM COMPONENTS. ANY DAMAGE SHALL BE REPAIRED OR REPLACED WITHIN SEVEN CALENDAR DAYS AT NO COST TO THE VILLAGE.
19. ALL ROADS SHALL REMAIN OPEN TO NORMAL TRAFFIC DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE GUIDANCE AND WARNINGS AS NEEDED TO ENSURE THE SAFE OPERATION AND PASSAGE OF ALL TRAFFIC, INCLUDING PEDESTRIANS. UNLESS OTHERWISE NOTED, THE COST OF THIS TRAFFIC CONTROL SHALL BE INCLUDED IN THE UNIT PRICE OF THE ASSOCIATED WORK.
20. THE SURFACE PROFILE OF NEW CURB AND GUTTER SECTIONS SHORTER THAN 20 L.F. SHALL MATCH EXISTING. THE SURFACE PROFILE OF SECTIONS LONGER THAN 20 SHALL MATCH THE CURB DETAILS IN THE CONTRACT. ALL CURB SHALL INCLUDE CONTINUOUS REBAR AS DETAILED IN THE SPECIFICATIONS. 3/4 INCH THICK PRE-MOLDED FIBER EXPANSION JOINTS WITH 3/4 INCH X 18 INCH PLAIN, ROUND STEEL DOWEL BARS SHALL BE INSTALLED IN ALL CURB EXPANSION JOINTS, AND AT ALL PC'S AND PT'S. ALTERNATE ENDS OF THE DOWEL BARS SHALL BE GREASED AND FITTED WITH METAL EXPANSION TUBES. ALL EXPANSION JOINTS MUST BE FREE OF CONCRETE FOR THE ENTIRE CURB DEPTH. ANY AGGREGATE REQUIRED TO ADJUST THE GRADE UNDER REMOVED CURB WILL NOT BE MEASURED FOR PAYMENT AND WILL BE CONSIDERED PART OF THE COST FOR COMBINATION CURB & GUTTER. REINFORCEMENT, JOINTS, AND DEPTH OF ALL CURB AND GUTTER SHALL MATCH THE SPECIFICATIONS AND DETAILS IN THE CONTRACT REGARDLESS OF EXISTING. CURB SHALL BE BACKFILLED WITHIN FIVE DAYS OF PLACEMENT.
21. ALL CONCRETE SIDEWALKS AND PATHS SHALL BE 5 INCH THICK, SET ON A 2 INCH THICK CA-6 COMPACTED STONE CUSHION. ANY AGGREGATE REQUIRED TO ADJUST THE GRADE UNDER REMOVED SIDEWALK WILL NOT BE MEASURED FOR PAYMENT AND WILL BE CONSIDERED PART OF THE COST FOR SIDEWALK. THE AGGREGATE UNDER NEW SIDEWALK AND PATH WILL BE PAID FOR AS AGGREGATE BASE COURSE, TYPE B (ITEM #28). ALL SIDEWALK AND PATH SHALL BE BROOM FINISHED ACROSS IT'S ENTIRE SURFACE WITH A MAXIMUM CROSS-SLOPE OF 1/4 INCH PER FOOT.

SUMMARY OF QUANTITIES

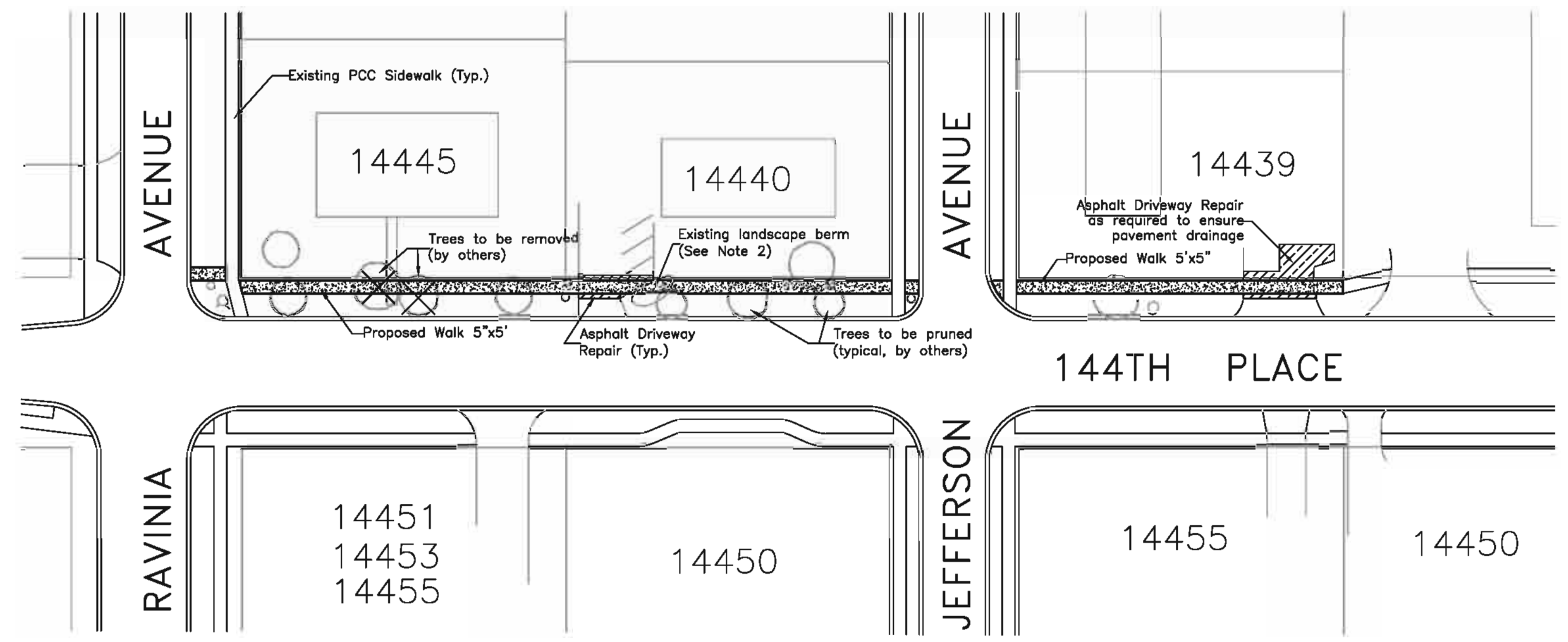
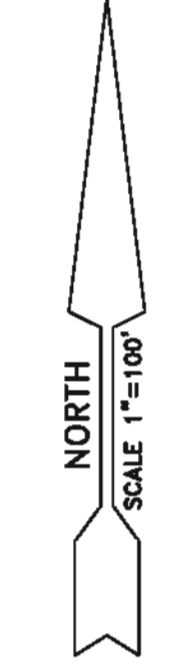
ITEM NO.	CODED PAY ITEM NO.	ITEM	TOTAL QUANTITY	UNIT	144TH PL & JEFFERSON	ORLAND HILLS GARDENS	143RD STREET WHITETOPPING	MALLARD LANDINGS PATH
1	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	19,350	s.f.	4850	14500	0	0
2	42400200	PORTLAND CEMENT CONCRETE PATH 5 INCH	4,200	s.f.	0	0	0	4200
3	44000600	SIDEWALK REMOVAL	17,300	s.f.	2800	14500	0	0
4	42400800*	DETECTABLE WARNINGS	816	s.f.	96	720	0	0
5	60608300	COMBINATION CONCRETE CURB AND GUTTER,TYPE M-2.12	9,450	l.f.	1400	8050	0	0
6	60603800	COMBINATION CONCRETE CURB AND GUTTER,TYPE B-6.12	320	l.f.	250	50	20	0
7	60604400	COMBINATION CONCRETE CURB AND GUTTER,TYPE B-6.18	60	l.f.	0	0	60	0
8	44000500	COMBINATION CURB AND GUTTER REMOVAL	9,810	l.f.	1650	8100	60	0
9	*	CONCRETE SLAB RAISING	4,100	s.f.	300	3800	0	0
10	*	SHOTCRETE CURB REPAIR	2,300	l.f.	390	1880	30	0
11	42300100*	P.C.C. DRIVEWAY PAVEMENT, 6" REMOVE & REPLACE	750	s.f.	100	650	0	0
12	*	H.M.A. DRIVEWAY PAVEMENT,3" REMOVE & REPLACE	250	s.y.	70	180	0	0
13	XX004774*	PAVING BRICK DRIVEWAY REPAIR	120	s.y.	0	120	0	0
14	*	STAMPED COLORED P.C.C. DRIVEWAY REPAIR, 6"	40	s.f.	0	40	0	0
15	*	IMPRINTED HMA DRIVEWAY REPAIR	10	s.y.	0	10	0	0
16	20200100*	EARTH EXCAVATION	550	c.y.	280	100	0	170
17	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	800	s.y.	480	320	0	0
18	44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	20,000	s.y.	5200	14800	0	0
19	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" PATH	550	s.y.	0	0	0	550
20	44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/2"	30,800	s.y.	0	28700	2,100	0
21	*	HOT-MIX ASPHALT SURFACE REMOVAL, EDGE MILL	12,100	s.y.	3600	8500	0	0
22	40600100	BITUMINOUS MATERIALS (PRIME COAT)	4,530	gal.	1300	3230	0	0
23	40600300	AGGREGATE (PRIME COAT)	6,250	gal.	0	6250	0	0
24	44201337	CLASS C PATCHES- TYPE 1, 9 INCH	20	s.y.	0	0	20	0
25	*	CLASS D PATCHES- VARIOUS TYPES	1,373	ton	390	980	0	3
26	*	CLASS D PATCHES- VARIOUS TYPES- OFFSITE	1,000	ton	0	0	0	0
27	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	4	ton	2	2	0	0
28	35101400*	AGGREGATE BASE COURSE, TYPE B	280	ton	160	0	0	120
29	35800100	PREPARATION OF BASE	2,800	s.y.	0	2800	0	0
30	35800200	AGGREGATE BASE REPAIR	200	ton	0	200	0	0
31	40201000*	AGGREGATE FOR TEMPORARY ACCESS	210	ton	10	200	0	0
32	20800150*	TRENCH BACKFILL, CA-6	520	ton	80	440	0	0
33	20800150*	TRENCH BACKFILL, CA-7	510	ton	0	510	0	0
34	X4201650*	PAVEMENT FABRIC (SPECIAL)	2,100	s.y.	0	0	2,100	0
35	X4200845*	PORTLAND CEMENT CONCRETE INLAY, 4 1/2"	2,100	s.y.	0	0	2,100	0
36	X4200845*	PORTLAND CEMENT CONCRETE INLAY, FURNISHED	300	c.y.	0	0	300	0
37	42001300	PROTECTIVE COAT	2,100	s.y.	0	0	2,100	0
38	40600825	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50	1,860	ton	560	1300	0	0
39	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	5,100	ton	0	5100	0	0
40	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	7,290	ton	1490	5800	0	0
41	44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	650	s.f.	150	500	0	0
42	25000110*	SEEDING, CLASS 1A (& TOPSOIL)	1,500	s.y.	0	0	0	1500
43	25100630	EROSION CONTROL BLANKET	1,520	s.y.	0	0	20	1500
44	25200100*	SODDING (& TOPSOIL)	1,650	s.y.	450	1200	0	0
45	20101000	TEMPORARY FENCE	200	l.f.	0	0	0	200
46	60107700*	PIPE UNDERDRAINS, PERFORATED PVC 6"	2,450	l.f.	0	3445	0	0
47	550A2310	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 10"RCP	1,875	l.f.	0	880	0	0
48	60200105*	CATCH BASINS, TYPE C, FRAME & LID	13	ea.	0	13	0	0
49	60300305	FRAMES AND LIDS TO BE ADJUSTED (STEEL RING)	4	ea.	1	3	0	0
50	60260100*	MANHOLE/INLET TO BE ADJUSTED	22	ea.	7	12	3	0
51	*	RECONSTRUCT MANHOLE, BLOCK	9	ea.	1	8	0	0
52	*	RECONSTRUCT MANHOLE, CONE SECTION	1	ea.	0	1	0	0
53	*	RECONSTRUCT MANHOLE, FLAT SLAB TOP	1	ea.	0	1	0	0
54	*	RE-MORTAR STRUCTURE	58	ea.	10	48	0	0
55	*	ROADWAY LIGHT	8	ea.	0	7	0	0
56	*	UNIT DUCT, 600V, 2-1C NO.6, 1 1/2" DIA. POLYETHYLENE	800	l.f.	0	800	0	0
57	88600300	DETECTOR LOOP, TYPE III	400	l.f.	0	0	400	0
58	70100320*	TRAFFIC CONTROL AND PROTECTION, 143RD STREET	1	l.s.	0	0	1	0
59	78000100	THERMOPLASTIC PAVEMENT MARKING- LETTERS & SYMBOLS	73	s.f.	36.4	36.4	0	0
60	78000200	THERMOPLASTIC PAVEMENT MARKING- LINE 4"	800	l.f.	400	400	0	0
61	78000400	THERMOPLASTIC PAVEMENT MARKING- LINE 6"	1,920	l.f.	380	1540	0	0
62	78000650	THERMOPLASTIC PAVEMENT MARKING- LINE 24"	500	l.f.	160	340	0	0
63	78005100	EPOXY PAVEMENT MARKING- LETTERS & SYMBOLS	72.8	s.f.	0	0	72.8	0
64	78005110	EPOXY PAVEMENT MARKING- LINE 4"	760	l.f.	0	0	760	0
65	78005130	EPOXY PAVEMENT MARKING- LINE 6"	360	l.f.	0	0	360	0
66	78005180	EPOXY PAVEMENT MARKING- LINE 24"	35	l.f.	0	0	35	0

* SEE SPECIAL PROVISION

Notes and Quantities			
SCALE: NONE	2013 Road Improvement Program	DRAWN BY: RJR	
DATE: 4-26-13		REVISED: RJR	
Village of ORLAND PARK			
Public Works Department			DRAWING NO. 2 OF 8

144TH PLACE & JEFFERSON QUANTITIES

1	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	4850	s.f.
3	SIDEWALK REMOVAL	2800	s.f.
4	DETECTABLE WARNINGS	96	s.f.
5	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	1400	l.f.
6	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	250	l.f.
8	COMBINATION CURB AND GUTTER REMOVAL	1650	l.f.
9	CONCRETE SLAB RAISING	300	s.f.
10	SHOTCRETE CURB REPAIR	390	l.f.
11	P.C.C. DRIVEWAY PAVEMENT, 6" REMOVE & REPLACE	100	s.f.
12	H.M.A. DRIVEWAY PAVEMENT, 3" REMOVE & REPLACE	70	s.y.
16	EARTH EXCAVATION	280	c.y.
17	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	480	s.y.
18	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	5200	s.y.
21	HOT-MIX ASPHALT SURFACE REMOVAL, EDGE MILL	3600	s.y.
22	BITUMINOUS MATERIALS (PRIME COAT)	1300	gal.
25	CLASS D PATCHES- VARIOUS TYPES	390	ton
27	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	2	ton
28	AGGREGATE BASE COURSE, TYPE B	160	ton
31	AGGREGATE FOR TEMPORARY ACCESS	10	ton
32	TRENCH BACKFILL, CA-6	80	ton
38	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50	560	ton
40	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	1490	ton
41	STRIP REFLECTIVE CRACK CONTROL TREATMENT	150	s.f.
44	SODDING (& TOPSOIL)	450	s.y.
49	FRAMES AND LIDS TO BE ADJUSTED (STEEL RING)	1	ea.
50	MANHOLE/INLET TO BE ADJUSTED	7	ea.
51	RECONSTRUCT MANHOLE, BLOCK	1	ea.
54	RE-MORTAR STRUCTURE	10	ea.
59	THERMOPLASTIC PAVEMENT MARKING- LETTERS & SYMBOLS	36.4	s.f.
60	THERMOPLASTIC PAVEMENT MARKING- LINE 4"	400	l.f.
61	THERMOPLASTIC PAVEMENT MARKING- LINE 6"	380	l.f.
62	THERMOPLASTIC PAVEMENT MARKING- LINE 24"	160	l.f.



Notes

1. Tree Pruning required for new concrete walk installation, and the Removal of two trees at 14445 Ravinia Avenue will be completed by Village crews and are not part of this contract.
2. Existing landscape berm at 14440 Jefferson to be partially excavated, including brush removal as required to install new concrete walk. The contractor shall restore the remaining portion of the berm using the existing retaining blocks and landscape stone. (This work is not a pay item)
3. Access to existing driveways to be maintained at all times. Sidewalk installation may require two separate mobilizations, each covering approximately one half of the driveway.

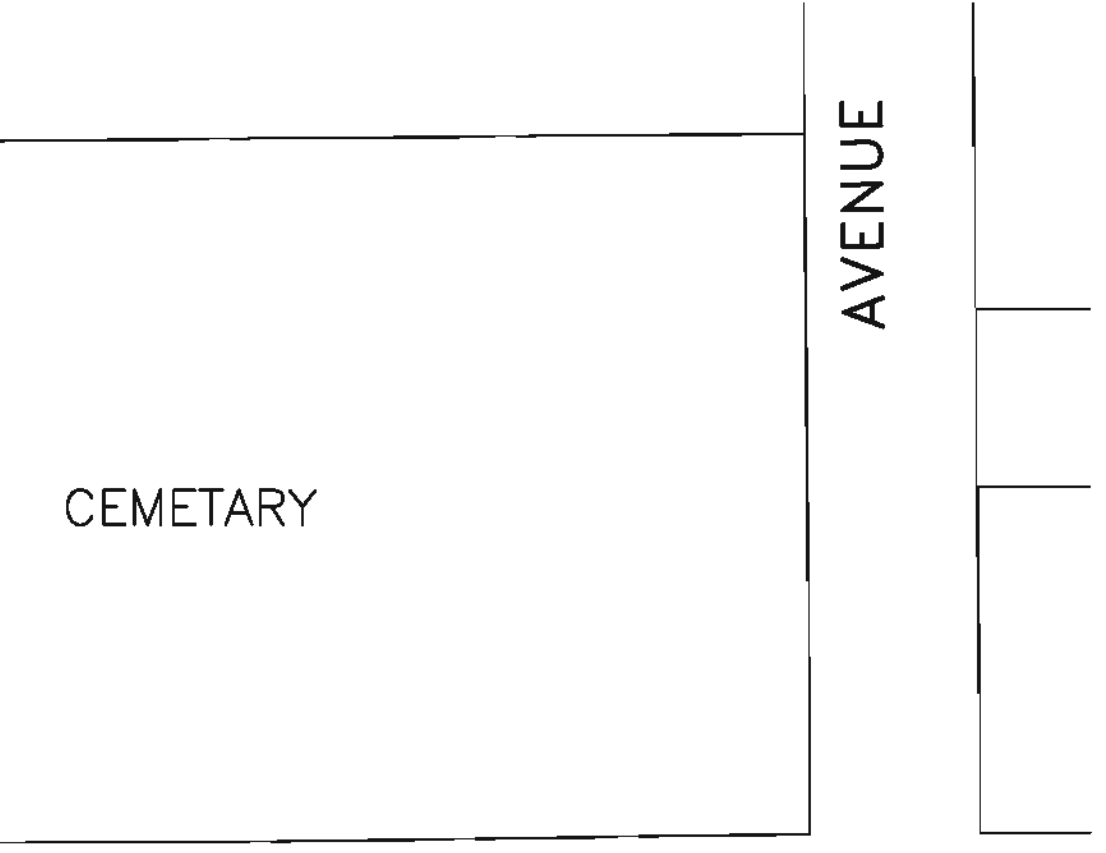
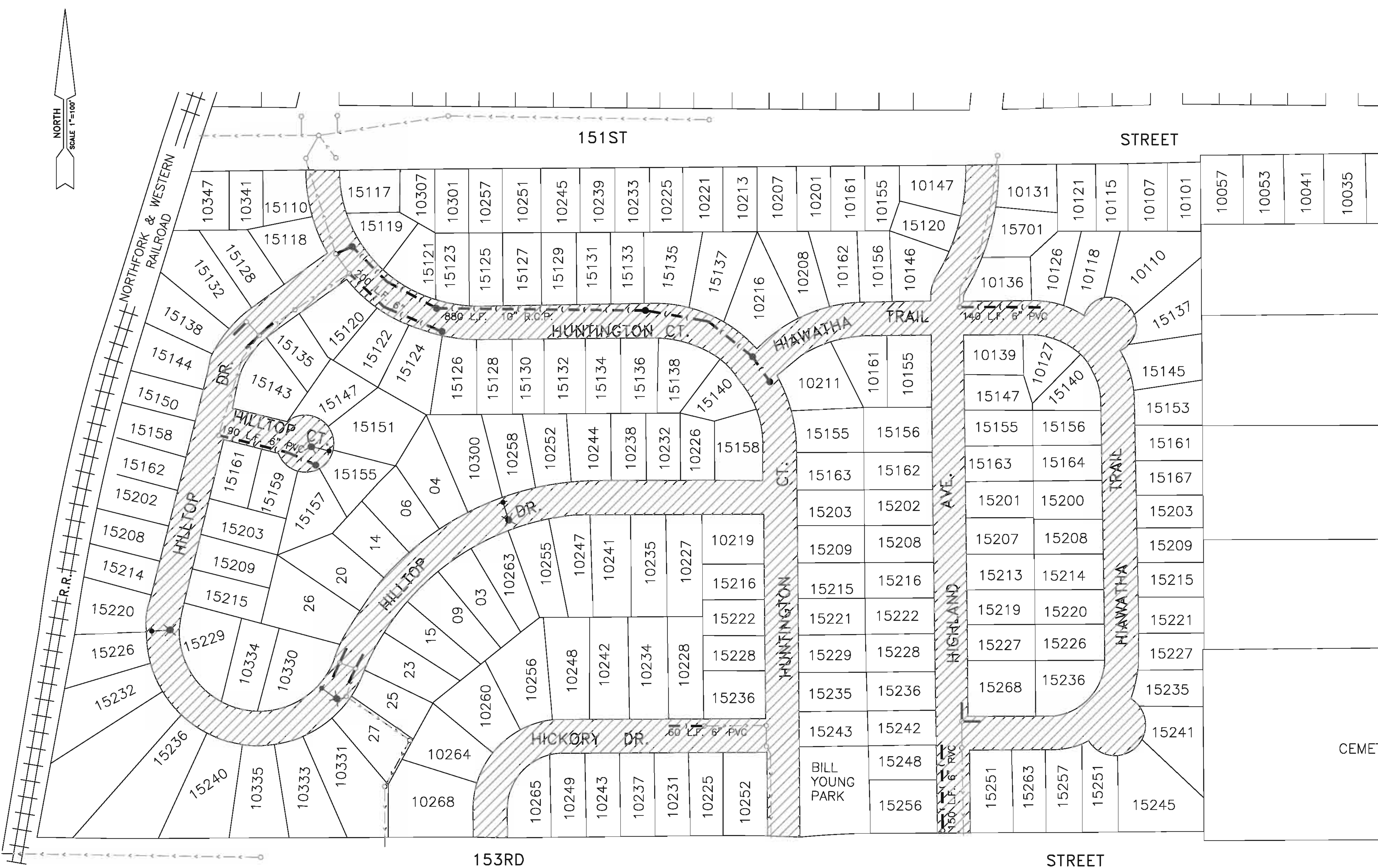
LEGEND

Existing Storm Sewer	
Existing Storm Structure	
Proposed 24 in. Catch Basin	
Proposed 6 in. PVC Drain	
Existing Tree To Be Pruned	
Existing Tree To Be Removed	
Existing Wood Utility Pole	
Existing Fire Hydrant	

144th Place & Jefferson		
SCALE: 1"=100'	2013 Road Improvement Program	DRAWN BY: RJR
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Village of ORLAND PARK		
Public Works Department		DRAWING NO. 3 OF 8

ORLAND HILLS (NORTH & SOUTH) QUANTITIES

1	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	14500	s.f.
3	SIDEWALK REMOVAL	14500	s.f.
4	DETECTABLE WARNINGS	720	s.f.
5	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	8050	l.f.
6	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	50	l.f.
8	COMBINATION CURB AND GUTTER REMOVAL	8100	l.f.
9	CONCRETE SLAB RAISING	3800	s.f.
10	SHOTCRETE CURB REPAIR	1880	l.f.
11	P.C.C. DRIVEWAY PAVEMENT, 6" REMOVE & REPLACE	650	s.f.
12	H.M.A. DRIVEWAY PAVEMENT, 3" REMOVE & REPLACE	180	s.y.
13	PAVING BRICK DRIVEWAY REPAIR	120	s.y.
14	STAMPED COLORED P.C.C. DRIVEWAY REPAIR, 6"	40	s.f.
15	IMPRINTED HMA DRIVEWAY REPAIR	10	s.y.
16	EARTH EXCAVATION	100	c.y.
17	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	320	s.y.
18	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	14800	s.y.
20	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/2"	28700	s.y.
21	HOT-MIX ASPHALT SURFACE REMOVAL, EDGE MILL	8500	s.y.
22	BITUMINOUS MATERIALS (PRIME COAT)	3230	gal.
23	AGGREGATE (PRIME COAT)	6250	gal.
25	CLASS D PATCHES- VARIOUS TYPES	980	ton
27	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	2	ton
29	PREPARATION OF BASE	2800	s.y.
30	AGGREGATE BASE REPAIR	200	ton
31	AGGREGATE FOR TEMPORARY ACCESS	200	ton
32	TRENCH BACKFILL, CA-6	440	ton
33	TRENCH BACKFILL, CA-7	510	ton
38	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50	1300	ton
39	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	5100	ton
40	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	5800	ton
41	STRIP REFLECTIVE CRACK CONTROL TREATMENT	500	s.f.
44	SODDING (& TOPSOIL)	1200	s.y.
46	PIPE UNDERDRAINS, PERFORATED PVC 6"	2450	l.f.
47	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1, 10"RCP	1875	l.f.
48	CATCH BASINS, TYPE C, FRAME & LID	13	ea.
49	FRAMES AND LIDS TO BE ADJUSTED (STEEL RING)	3	ea.
50	MANHOLE/INLET TO BE ADJUSTED	12	ea.
51	RECONSTRUCT MANHOLE, BLOCK	8	ea.
52	RECONSTRUCT MANHOLE, CONE SECTION	1	ea.
53	RECONSTRUCT MANHOLE, FLAT SLAB TOP	1	ea.
54	RE-MORTAR STRUCTURE	48	ea.
55	ROADWAY LIGHT	8	ea.
56	UNIT DUCT, 600V, 2-1C NO.6, 1 1/2" DIA. POLYETHYLENE	800	l.f.
59	THERMOPLASTIC PAVEMENT MARKING- LETTERS & SYMBOLS	36.4	s.f.
60	THERMOPLASTIC PAVEMENT MARKING- LINE 4"	400	l.f.
61	THERMOPLASTIC PAVEMENT MARKING- LINE 6"	1540	l.f.
62	THERMOPLASTIC PAVEMENT MARKING- LINE 24"	340	l.f.

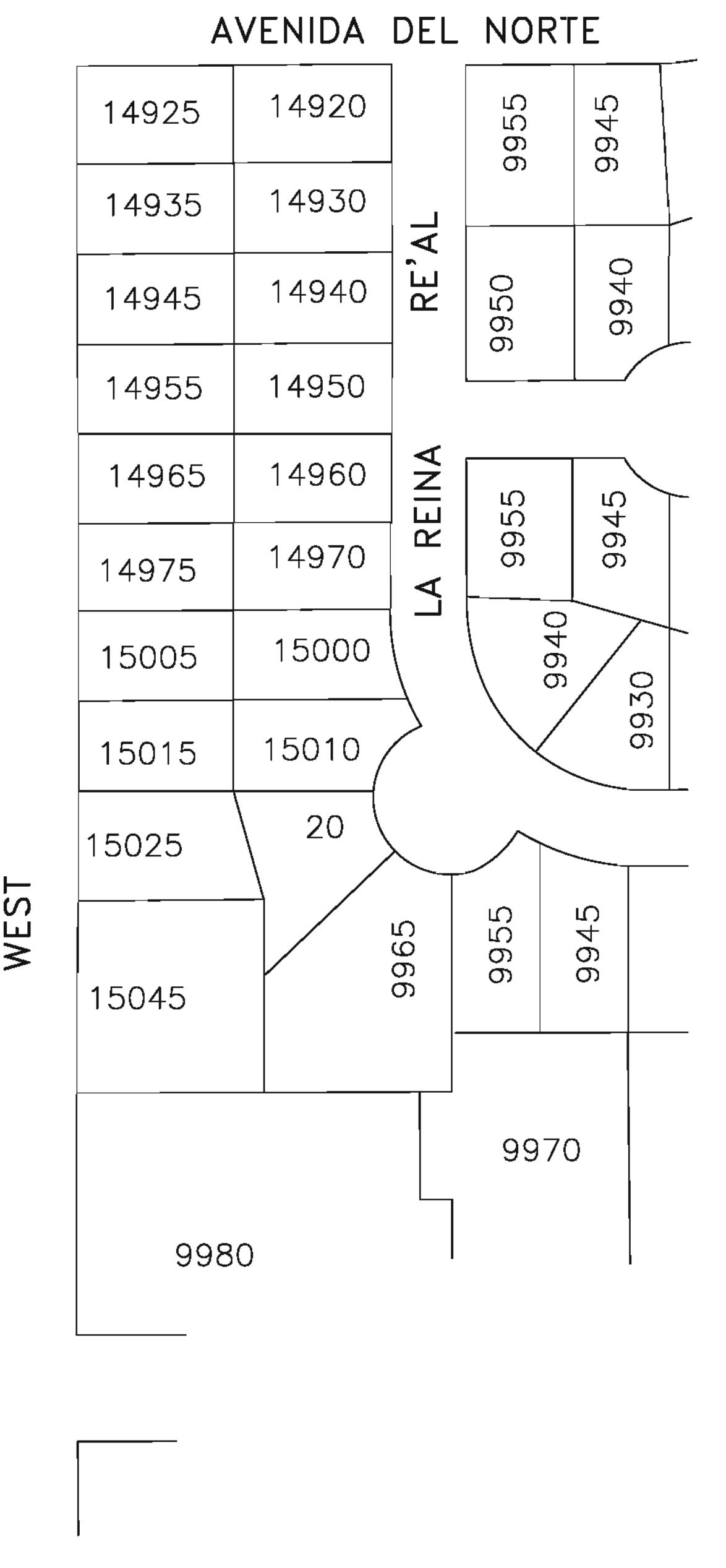
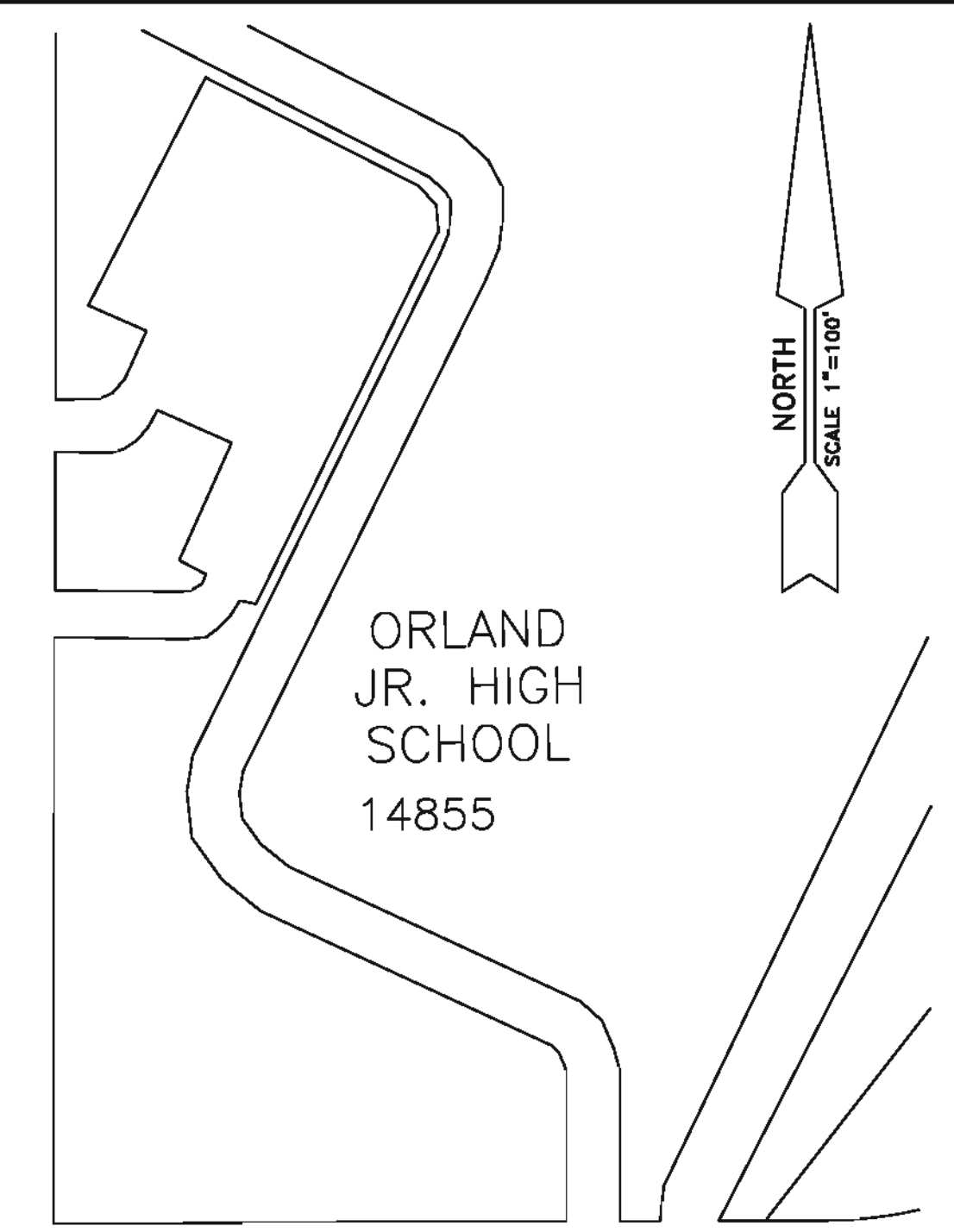


LEGEND

- Existing Storm Sewer
- Existing Storm Structure
- Proposed 24 in. Catch Basin
- Proposed 6 in. PVC Drain
- Proposed Street Light



Orland Hills Gardens - South		
SCALE: 1"=100'	2013 Road Improvement Program	DRAWN BY: RJR
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Public Works Department		DRAWING NO. 4 OF 8

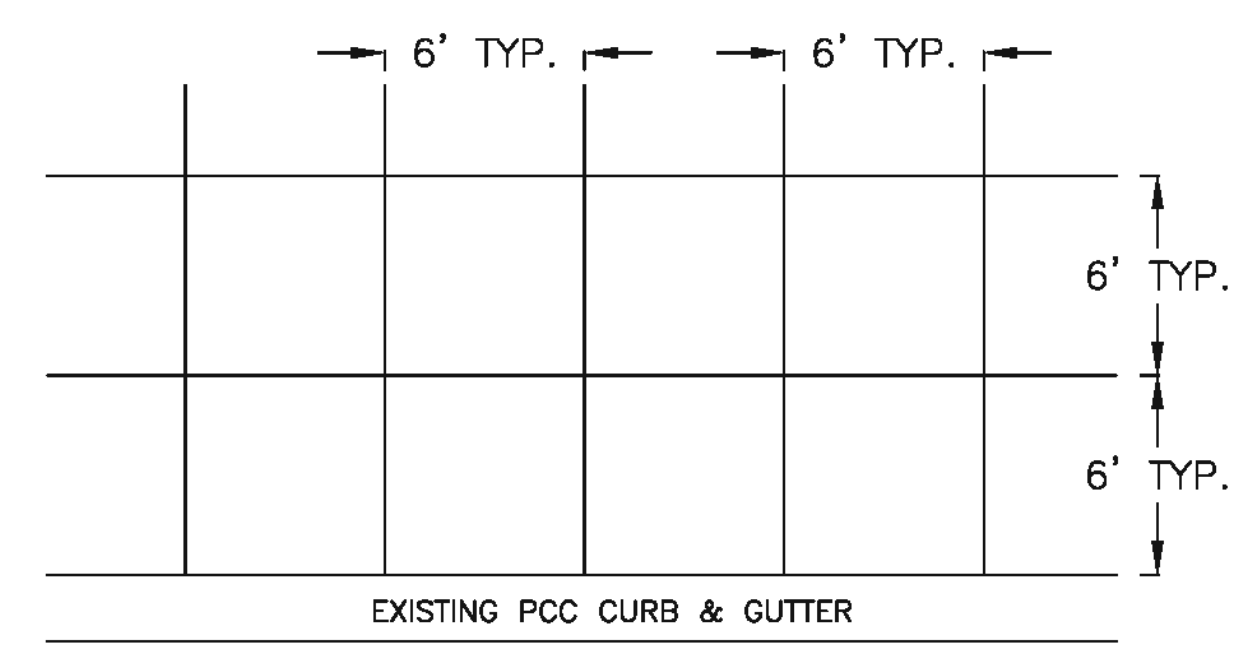
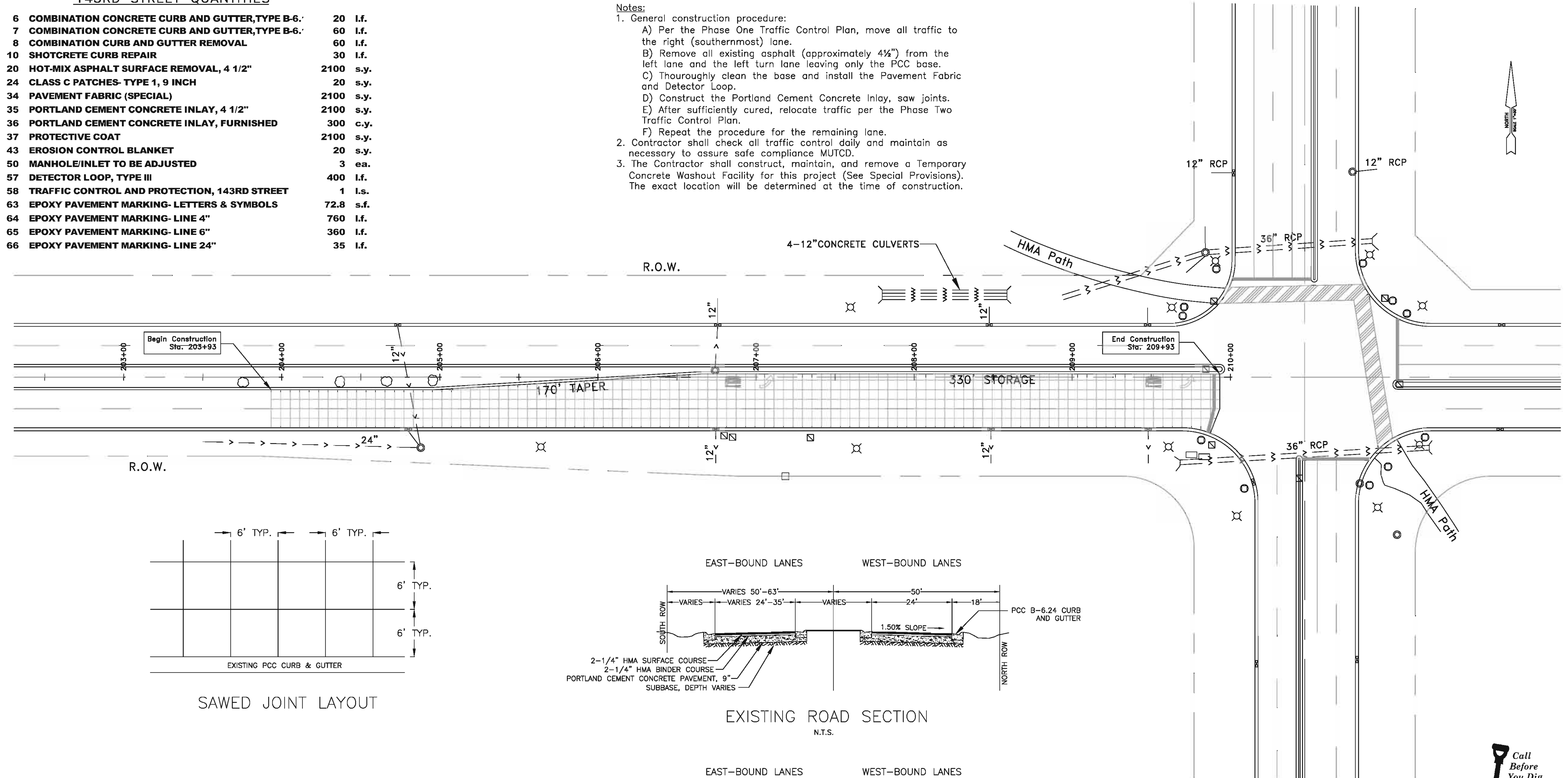


Orland Hills Gardens - North		
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Public Works Department		DRAWING NO. 5 OF 8

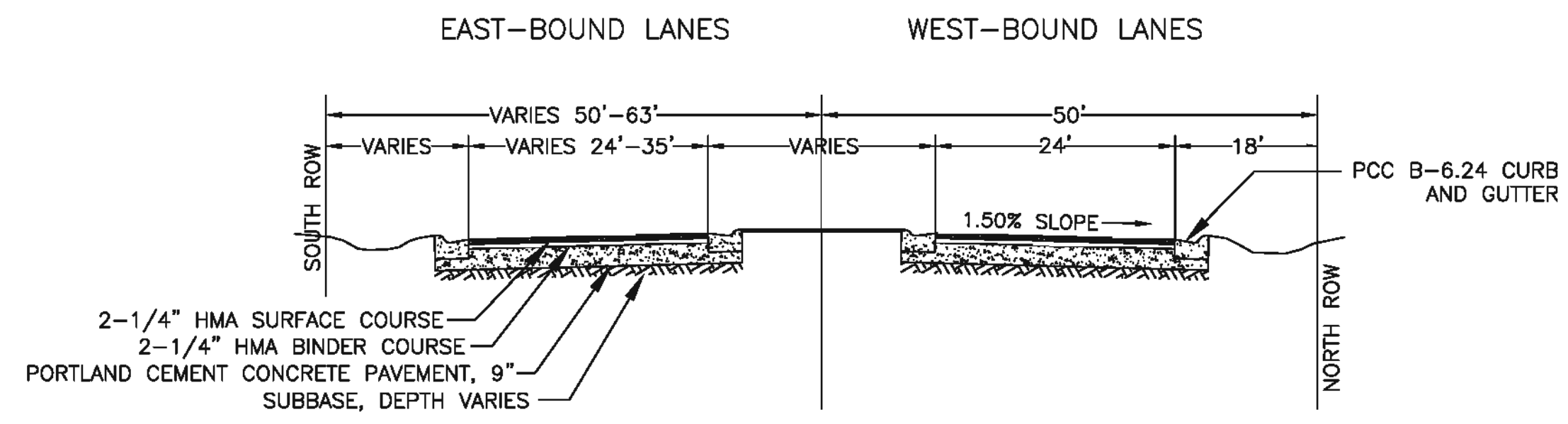
143RD STREET QUANTITIES

6	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.	20	l.f.
7	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.	60	l.f.
8	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	60	l.f.
10	SHOTCRETE CURB REPAIR	30	l.f.
20	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/2"	2100	s.y.
24	CLASS C PATCHES- TYPE 1, 9 INCH	20	s.y.
34	PAVEMENT FABRIC (SPECIAL)	2100	s.y.
35	PORTLAND CEMENT CONCRETE INLAY, 4 1/2"	2100	s.y.
36	PORTLAND CEMENT CONCRETE INLAY, FURNISHED	300	c.y.
37	PROTECTIVE COAT	2100	s.y.
43	EROSION CONTROL BLANKET	20	s.y.
50	MANHOLE/INLET TO BE ADJUSTED	3	ea.
57	DETECTOR LOOP, TYPE III	400	l.f.
58	TRAFFIC CONTROL AND PROTECTION, 143RD STREET	1	l.s.
63	EPOXY PAVEMENT MARKING- LETTERS & SYMBOLS	72.8	s.f.
64	EPOXY PAVEMENT MARKING- LINE 4"	760	l.f.
65	EPOXY PAVEMENT MARKING- LINE 6"	360	l.f.
66	EPOXY PAVEMENT MARKING- LINE 24"	35	l.f.

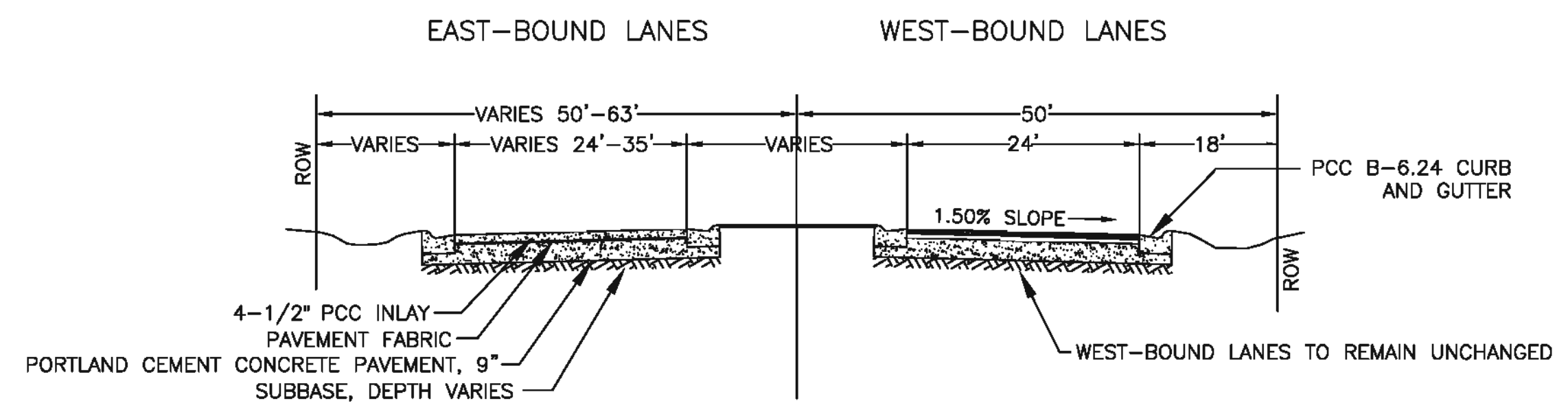
- Notes:
- General construction procedure:
 - Per the Phase One Traffic Control Plan, move all traffic to the right (southernmost) lane.
 - Remove all existing asphalt (approximately 4 1/2") from the left lane and the left turn lane leaving only the PCC base.
 - Thoroughly clean the base and install the Pavement Fabric and Detector Loop.
 - Construct the Portland Cement Concrete Inlay, saw joints.
 - After sufficiently cured, relocate traffic per the Phase Two Traffic Control Plan.
 - Repeat the procedure for the remaining lane.
 - Contractor shall check all traffic control daily and maintain as necessary to assure safe compliance MUTCD.
 - The Contractor shall construct, maintain, and remove a Temporary Concrete Washout Facility for this project (See Special Provisions). The exact location will be determined at the time of construction.



SAWED JOINT LAYOUT



EXISTING ROAD SECTION
N.T.S.



PROPOSED ROAD SECTION
N.T.S.

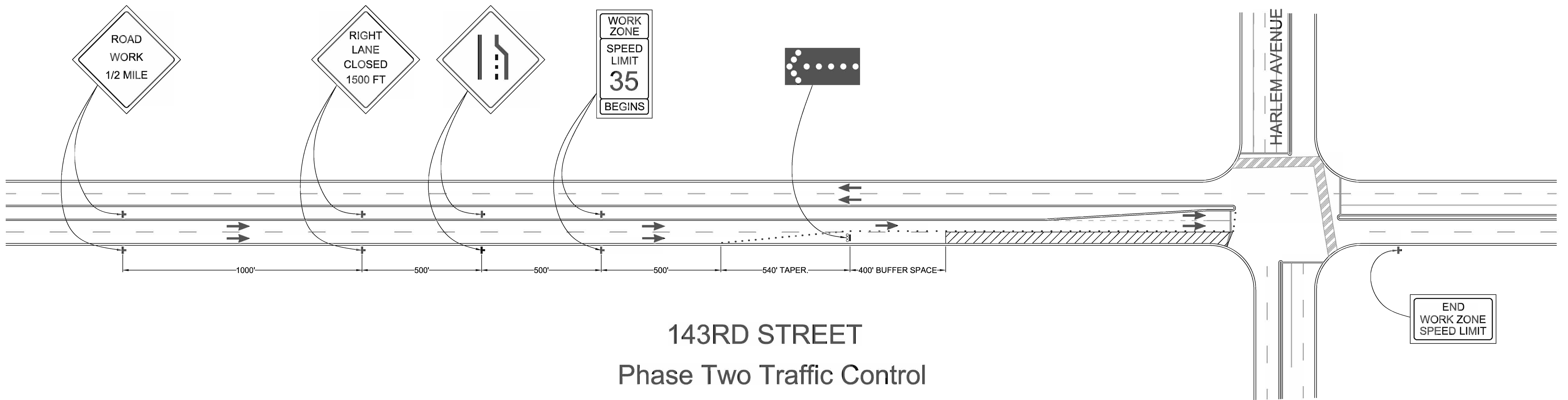
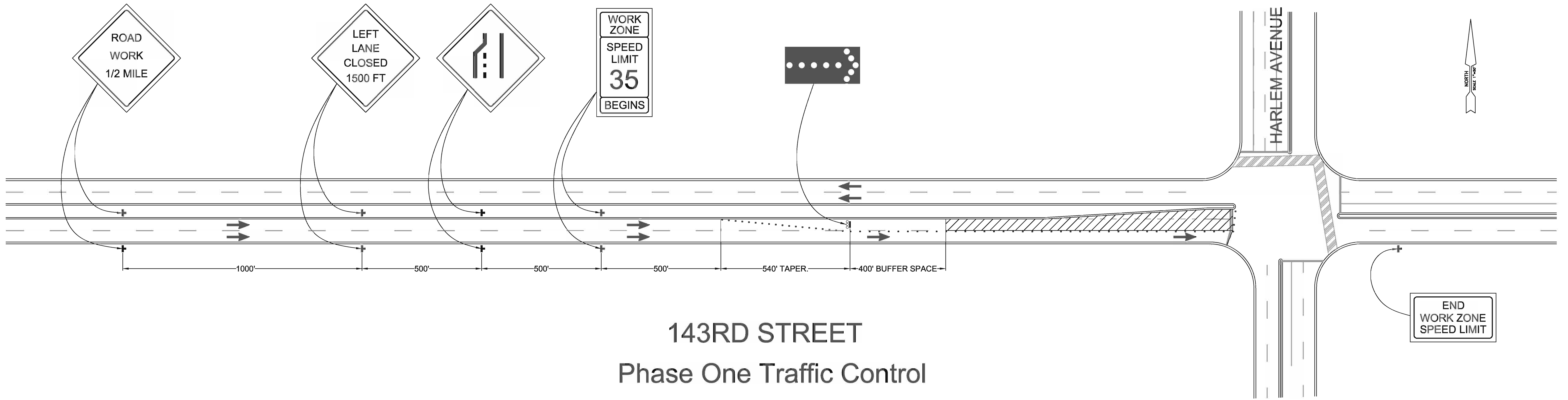
143RD STREET

LEGEND

Existing Storm Sewer	— > —
Existing Storm Structure	⊠ ⊙
Existing Light Pole	⊗
Existing Hand Hole	⊞
Existing Traffic Signal	⊙

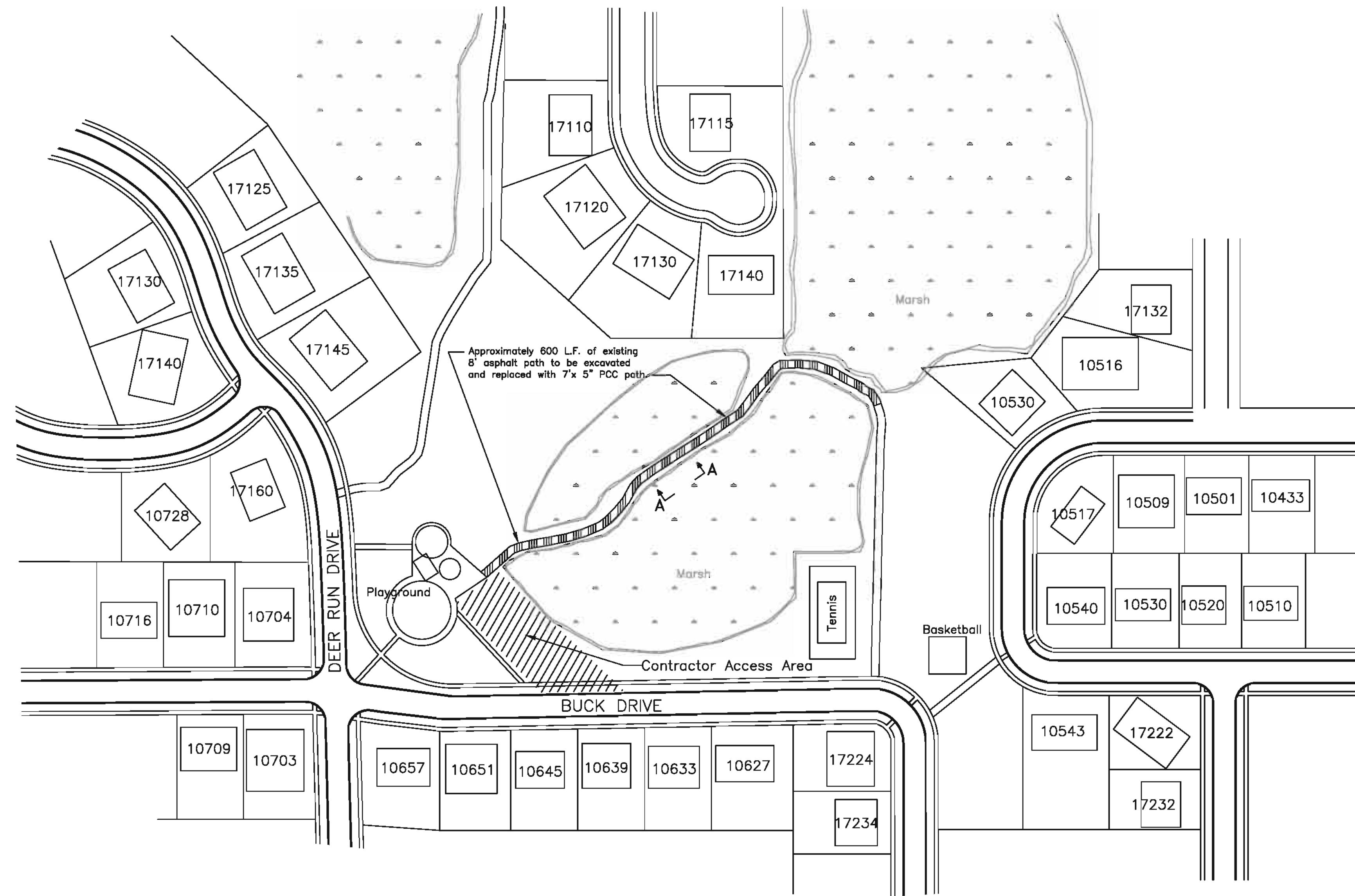
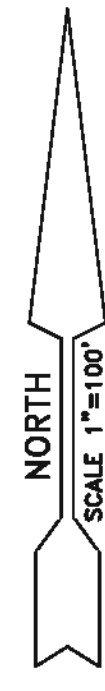


143rd Street PCC Inlay		
SCALE: 1" = 30'	2013 Road Improvement Program	DRAWN BY: RJR
DATE: 4-26-13		REVISED: _____
Village of ORLAND PARK		
Public Works Department		DRAWING NO. 6 OF 8



 Work Zone

143rd Street Traffic Control			
SCALE: 1" = 50'	2013 Road Improvement Program	DRAWN BY: RJR	
DATE: 4-26-13		REVISED: _____	
Village of ORLAND PARK			
Public Works Department			DRAWING NO. 7 OF 8

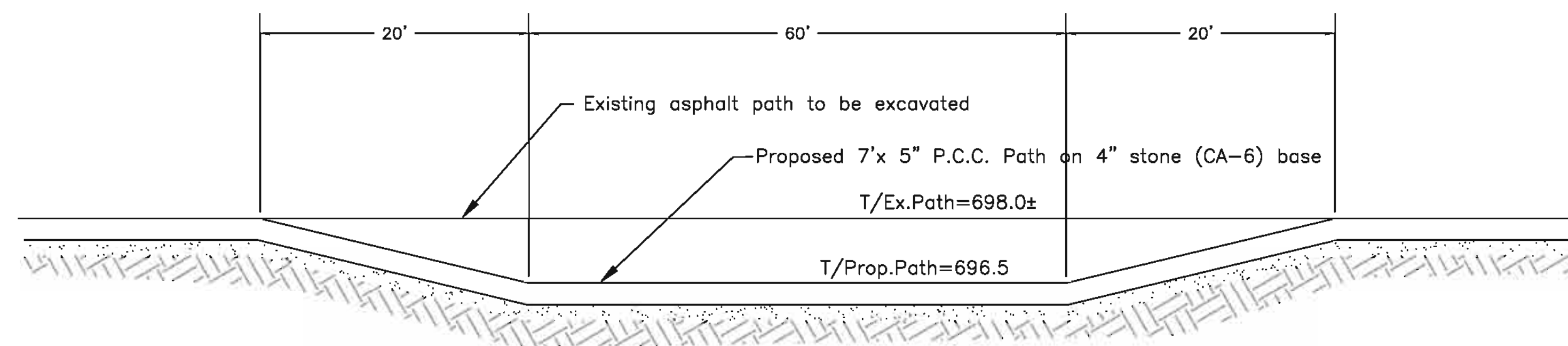


MALLARD LANDINGS PATH QUANTITIES

2 PORTLAND CEMENT CONCRETE PATH 5 INCH	4200 s.f.
16 EARTH EXCAVATION	170 c.y.
19 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" PATH	550 s.y.
25 CLASS D PATCHES- VARIOUS TYPES	3 ton
28 AGGREGATE BASE COURSE, TYPE B	120 ton
42 SEEDING, CLASS 1A (& TOPSOIL)	1500 s.y.
43 EROSION CONTROL BLANKET	1500 s.y.
45 TEMPORARY FENCE	200 l.f.

Notes:

1. Excavation: Contractor will saw-cut and remove approximately 600 L.F. of existing asphalt path by whatever means convenient. The depth of excavation will vary between 7" and 16" depending on location, with the area over the proposed spillway being the deepest.
2. Prior to constructing the 4" Aggregate Base and 5" PCC Path, the Contractor shall roll/compact the excavated sub-base (not a pay item).
3. Considering the limited accessibility, the Contractor will have the option of splitting the path construction work into multiple (maximum 3) sections with the work planned for consecutive days.
4. Access to the work zone will be strictly limited to the existing path area and the contractor access area as identified on the plan. Contractor will not be allowed to use the adjacent park or detention area to access the site or for material storage.
5. Temporary Fencing shall be installed along the playground area as directed by the engineer.



**SECTION A-A
OVERFLOW SPILLWAY**



Mallard Landings Path		
SCALE: N.T.S.	2013 Road Improvement Program	DRAWN BY: RJR
DATE: 4-26-13		REVISED: _____
Village of ORLAND PARK		
Public Works Department		DRAWING NO. 8 OF 8