ORLAND PARK CREEKSIDE SUBDIVISION SOUTH DRAINAGE





IDOT STANDARDS

TEMPORARY EROSION CONTROL SYSTEMS PRECAST REINFORCED CONCRETE FLAT SLAB TOP LANE CLOSURE, 2L, 2W, DAY ONLY LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

MAYOR DANIEL J. MCLAUGHLIN TRUSTEES

> KATHLEEN M. FENTON JAMES V. DODGE JR. EDWARD G. SCHUSSLER III PATRICIA A. GIRA CAROLE GRIFFIN RUZICH

VILLAGE CLERK

JOHN C. MEHALEK

VILLAGE MANAGER

PAUL GRIMES

_____ ____ CIVIL ENGINEER DATE NICHOLAS MOREL

ILLINOIS REGISTRATION No. 062.060393 EXPIRATION DATE: 11/30/2013

CHRISTOPHER B. BURKE ENGINEERING, LTD.

	<u>GENERAL NOTES</u>										
	1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012: THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2013: THE	NS 11. MISCELLANEOUS A. ALL PEDESTRIAN F	ROUTES CONSTRUCTED AS PA	ART OF THIS PROJECT SI	IALL			<u>SUMMARY OF QUA</u>	ANTITIES		
	LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FO STREETS AND HIGHWAYS" (IMUTCD), "THE STANDARD SPECIFICATIONS FOR WATER AND SE	R BE ADA COMPLIAN EWER MAIN	NT.			ITEM #		ITEM			QUANTITY
	CONSTRUCTION IN ILLINOIS" JULY 2009 SIXTH EDITION, THE "DETAILS" IN THE PLANS, EDITION OF THE MANUAL OF TEST PROCEDURE OF MATERIALS, THE "SPECIAL PROVISION	LATEST B. ALL SAWCUTTING S	SHALL BE INCLUDED IN THE	E COST OF THE ADJACENT	REMOVAL	20101200	TREE ROOT PRUNING			EACH	1
	INCLUDED IN THE CONTRACT DOCUMENTS, THE AMERICANS WITH DISABILITIES ACT OF 19 ACCESSIBILITY GUIDELINES, THE "DRAFT" REHABILITATION ACT OF 1973 (SECTION 504).	AND AND SHALL F WORK REMOVED PF	RIOR TO SAWCUTTING WILL	NOT BE MEASURED FOR I	PAYMENT.	20101300	TREE PRUNING (1 TO 10 IN	CH DIAMETER)		EACH	1
	THE PUBLIC RIGHT-OF-WAY ACESSIBILITY GUIDELINES.	C. CONTRACTOR WILL	REPAIR. TO THE SATISFAC	TION OF THE ENGINEER.	ALL DAMAGE TO	20200100	EARTH EXCAVATION			CUYD	20
	WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY	EXISTING ITEMS N	NOT SHOWN FOR REMOVAL. T	THIS WORK WILL BE DONE	BY THE	20800150				CUYD	14
	ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR A	GENT HAS				21101615		ACE, 4"			265
 A matrix of the number of the numbe	WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.	OF WORK TO BE PERFOF	RMED OR EQUIPMENT TO BE) SHOW EVERY AND ALL D SUPPLIED. THE INTENT	ETAILS DF THE	28000400		RIFR		FOOT	203
	. ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:	CONTRACT DOCUMENTS J	IS TO ILLUSTRATE THE DES BLE AND REGULARIY ENGAGE	SIGN AND LAYOUT. THE C ED IN THE TYPE OF WORK	DNTRACTOR	28000500	INLET AND PIPE PROTECT	ION		EACH	1
	A. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.	DESCRIBED BY THESE C	CONTRACT DOCUMENTS, AND	SHALL BE RESPONSIBLE		28000510	INLET FILTERS			EACH	4
	B. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE, MAINTAIN AND RE-ERECT SIGN INTERFERE WITH HIS CONSTRUCTION OPERATIONS.	S WHICH TO BE SUPPLIED WHICH	INTENT. ANY WORK TO BE P	LED FOR BY THESE CONT	RACT	28100107	STONE RIPRAP, CLASS A4			SQ YD	25
	C. THE CONTRACTOR WILL REMOVE ALL UNUSED SIGNS NOT CALLED OUT TO BE RELOO	CATED. DOCUMENTS BUT WHICH	IS NECESSARY TO PROVIDE L BE INCLUDED IN THE CON	E A COMPLETE AND SUCCE ITRACTOR'S SCOPE OF WO	SSFUL RK AT	42400200	PORILAND CEMENT CONC			SQFI	/5
	ALL UNUSED SIGNS WILL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECT BY THE ENGINEER. THE WORK WILL BE INCLUDED IN THE COST OF TRAFFIC CONT	TED NO ADDITIONAL COST T	TO THE OWNER.			44000500	SIDEWALK REMOVAL	GUTTER REMOVAL		SQ FT	75
	PROTECTION.	13. THE CONTRACTOR SHAL	LL BE SOLELY RESPONSIBLE	E FOR SITE SAFETY AS		44201759	CLASS D PATCHES, TYPE	IV, 9 INCH		SQYD	28
	D. SIGNS WILL BE INSTALLED PER IDOT HIGHWAY STANDARD 720006 AT TEMPORARY	AND PERMANENT	VUIRECTION AND MEANS/ME	THODS OF CONSTRUCTION	· 	54213675	PRECAST REINFORCED CO	ONCRETE FLARED END SEC	CTIONS 30"	EACH	1
		14. USE OF CCDD FILL OP' CHOOSES TO DISPOSE	PERATIONS: PER PUBLIC ACT OF UNCONTAMINATED SOIL	T 97-0137, IF THE CONTR OR UNCONTAMINATED SOI	ACTOR _ MIXED	54247150	GRATING FOR CONCRETE	FLARED END SECTION 30"		EACH	1
	EARTH EXCAVATION	WITH CLEAN CONSTRUC	CTION AND DEMOLITION DEB	RIS (CCDD) AT A CCDD F		550A0050	STORM SEWERS, CLASS	A, IYPE 1 12" A TVDE 1 30"		FOOT	3
	A. ALL EMBANKMENT WIDENING SHALL BE SUFFICIENTLY BENCHED INTO EXISTING EMBANKMENTS/SLOPES PER ARTICLE 205 OF THE STANDARD SPECIFICATIONS, AND AS	, APPROVED NECESSARY FIELD AND) LABORATORY ANALYSIS AN	ND TO OBTAIN THE LICENS		55100500	STORM SEWERS, CLASS /	4, TTPE 1 30 12"		FOOT	27
	BY THE ENGINEER. ALL COSTS SHALL BE INCLUDED IN THE UNIT PRICE FOR EARTH E	XCAVATION PROFESSIONAL ENGINEE TO USE THE SITE. TH	ER'S CERTIFICATION REQUIR	RED AS PER PUBLIC ACT ERED INCIDENTAL TO	96-1416	55100900	STORM SEWER REMOVAL	. 18"		FOOT	95
$ \int \int$	B. ALL EXCESS MATERIAL WHICH MEET SECTION 205 OF THE STANDARD SPECIFICATIONS SHALL BE USED AS EMBANKMENT PER SECTION 205 OF THE STANDARD SPECIFICATION	THE STORM SEWER INS	STALLATION, AND NO ADDITI	IONAL COMPENSATION WIL	L BE PROVIDED.	60221200	MANHOLES, TYPE A, 5'-DIA	AMETER, TYPE 3 FRAME AN	ID GRATE	EACH	2
	C. FARTH EXCAVATION SHALL CONFORM TO THE REQUIREMENTS OF SECTION 202 OF THE	- -				60235700	INLETS, TYPE A, TYPE 3 F	RAME AND GRATE		EACH	2
	STANDARD SPECIFICATIONS, IN ADDITION TO ITEMS SPECIFIED IN SECTION 202 AND AS NOTED IN THE PLANS AND SPECIAL PROVISIONS FARTH EXCAVATION SHALL CONST	IST OF.				60500050		5			2
	AS NUTED IN THE FLANS AND SECTAL FRUVISIONS, EARTH EXCAVATION SHALL CONST	SI UF:				60500060			B-6 12		2 28
	2. PLACING AND COMPACTING SUITABLE EXCAVATED MATERIAL FOR FILL AREAS					70101700	TRAFFIC CONTROL AND PI	ROTECTION	- V. 12		1
$ \int \int$	IN ACCORDANCE WITH SECTION 205 OF THE "STANDARD SPECIFICATIONS".					X5509900	ABANDON AND FILL EXIST	NG STORM SEWER		FOOT	85
	D. EARTH MOVED MORE THAN ONCE DUE TO CONSTRUCTION STAGING AND/OR PROCEDURE SELECTED BY THE CONTRACTOR WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE	.S				X6022940	MANHOLES, TYPE A, 5'-DIA	AMETER, WITH SPECIAL FRA	AME, CLOSED LID	EACH	1
$\frac{h \cdot h \cdot h}{h \cdot h} = \frac{h \cdot h \cdot h}{h \cdot h \cdot$	CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.					Z0013798	CONSTRUCTION LAYOUT			L. SUM	1
LOCATORS OF UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS NOT DILLITY COUNDING HIS CONSTRUCTION OPERATIONS SO AS NOT Set, STORM SENER, AND SANITARY SENER Important Construction Son ALL PROVIDE ANALYS OF THE ATTERN CONSTRUCT THE ADD CONSTRUCT TO SHALL PROVIDE ANALYS OF THE ATTERN CONSTRUCT THE ADD CONSTRUCT THE SANE DISTURCE. THE CONTRACTOR SHALL PROVIDE ANALYS OF THE ATTERN CONSTRUCT THE SANE DISTURCE. THE CONTRACTOR SHALL PROVIDE ANALYS OF THE ATTERN CONSTRUCT THE ADD CONSTRUCT THE SANE DISTURCE THE	L REFERENCES TO STANDARDS IN THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRET BE LATEST STANDARDS OF THE DEPARTMENT. ME QUANTITIES ARE GIVEN IN BOTH SUMMARY FORM AND ON THE PLAN SHEETS. CARE SHO TAKEN TO AVOID DUPLICATION OF QUANTITIES. E CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, JLES, REGULATIONS AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON SAFETY PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS IN ACCORD TH SECTION 107. _ITIES THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTIN FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATION CONTRACTOR SHALL CONTACT AND COORDINATE WITH UTILIY COMPANIES FOR ALL UTILITY ADJUSTMENTS THAT ARE REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH UTILIY COMPANIES FOR ALL UTILITY ADJUSTMENTS THAT ARE REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL COOL WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE SPECIAL PROVISIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ALL UTILITIE HAT ARE DAMAGED DURING CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 OR 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES (48 HOURS NOTIFICATION IS REQUIRED.) PUBLIC AND PRIVATE UTILITIES: THE CONTRACTOR WILL BE REPUNED.)	ED ULD DANCE IG IS. PERATE									
No. Status and Status an	LOCATIONS OF UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO TO DAMAGE THEM IN ACCORDANCE WITH ARTICLE 105.07.	AS NOT									
THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR AUTHORIZATION FROM THE VILLAGE WATER DEPARTMENT. UNAUTHORIZED USE SHALL CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (947) 9732 0E00 Rosemont, Illinois 60018 (947) 00 Ravinia Avenue (947) 00 Ravinia Avenue IIITLEF	WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAI SEWERS OR CATCH BASINS. HE/SHE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM W WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE/S SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIV FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTION WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATEL BUT SHALL BE INCLUDED IN THE COST OF STRUCTURE EXCAVATION.	NS, ATER HE ED S Y, NAME OF FACILITY CONTACT NAME PHONE NUMBER DATE PLANS SENT DATE OF RESPONSE RESPONSE	AT&T DAVID PHELPS 630-573-6464 12/11/12	COMCAST MARTHA GIERAS 630-600-6352 12/11/12	COMED ILYAS MOHIUDDIN 708-235-2692 12/11/12	WATER ISRAEL SANDOVAL 630-739-8837 12/11/12	METROPOLITAN WATER RECLAIMATION DISTRICT JOSEPH SCHESSLER 312-751-3236 12/11/12 12/11/12 ALL CLEAR	NICOR GAS ON CONSTANCE LANE SH 630-388-3830 58 12/11/12 12	NE OK NGL PIPELINE HERREL COPELAND 30-395-2377 2/11/12	DISTRICT DAN DOOGAN 708-364-3362 12/11/12	JL
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (447) 923 0500 CLIENT: 14700 Ravinia Avenue Orland Park, IL 60462 CLIENT: 14700 Ravinia Avenue 14700 Ravinia Aven	THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WIT PRIOR AUTHORIZATION FROM THE VILLAGE WATER DEPARTMENT. UNAUTHORIZED USE SHA SUBJECT THE OFFENDER TO ARREST AND PROSECUTION.	HOUT LL									
CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (947) 923 0500 CREEKSIDE SUBDIVISION SOUTH DRAINAGE 9/11/2013 CREEKSIDE SUBDIVISION SOUTH DRAINAGE 9/11/2013 0 0 0 0 0 0 0 0 0 0 0 0 0	CLIE	.NT:				DSGN.	NM TITLE:				PROJ. NO
9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (947) 932 0500 GENERAL NOTES AND TYPICAL SECTIONS Orland Park, IL 60462	CHRISTOPHER B. BURKE ENGINEERING, LTD.	Willage of Oreland	Dark H			DWN. CHKD.		EKSIDE SUBDIVIS	SION SOUTH	DRAINAG	E DATE:
	9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	<i>V LLUGE OJ OTLATLA 1</i> 14700 Ravinia Avenue Orland Park, IL 60462				CHED MODEL	E: 9/11/2013 mmorel Default	ERAL NOTES AN	ND TYPICAL	SECTIO	NS SHEET 2

ITEM #	ITEM	UNIT	QUANTITY
20101200	TREE ROOT PRUNING	EACH	1
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	1
20200100	EARTH EXCAVATION	CU YD	20
20800150	TRENCH BACKFILL	CU YD	14
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	265
25200100	SODDING	SQ YD	265
28000400	PERIMETER EROSION BARRIER	FOOT	270
28000500	INLET AND PIPE PROTECTION	EACH	1
28000510	INLET FILTERS	EACH	4
28100107	STONE RIPRAP, CLASS A4	SQ YD	25
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	75
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	28
44000600	SIDEWALK REMOVAL	SQ FT	75
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	28
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1
54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	1
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	3
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	194
55100500	STORM SEWER REMOVAL 12"	FOOT	27
55100900	STORM SEWER REMOVAL 18"	FOOT	95
60221200	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	2
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	2
60500050	REMOVING CATCH BASINS	EACH	2
60500060	REMOVING INLETS	EACH	2
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	28
70101700	TRAFFIC CONTROL AND PROTECTION	L. SUM	1
X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	85
X6022940	MANHOLES, TYPE A, 5'-DIAMETER, WITH SPECIAL FRAME, CLOSED LID	EACH	1
Z0013798	CONSTRUCTION LAYOUT	L. SUM	1

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	#	ALIGNM	ENT COORDI	VATES			HORIZONTAL CONTROL POINTS							
ľ	POINT NO.	STA.	NORTHING	EASTING]	POINT NO.	NORTHING (Y)	EASTING (X)	DESCRIPTION	STATION	OFFSET			
[1	10+00.00	1,808,134.44	1,102,169.69]	CP#1	1,808,208.35	1,102,165.09	SET PK NAIL					
	2	11+33.72	1,808,140.60	1,102,303.27]	CP#2	1,808,294.71	1,102,159.21	SET PK NAIL					
Γ	3	11+62.73	1,808,141.89	1,102,332.25		CP#1001	1,808,225.22	1,102,285.04	SET X-CUT	11+19.40	85.37′ LT			
Γ	4	13+13.98	1,808,146.68	1,102,483.42										
[5	13+39.50	1,808,147.44	1,102,508.94										

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j Oriana 2 ark					SCALE:	20′	
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REEKSIDE SUBDIVISION SOUTH DRAINAGE ALIGNMENT TIES AND BENCHMARK

PROJ. NO.	120213						
DATE:	04/26/13						
SHEET 3	OF 9						
DRAWING NO.							

BMK









CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500







				RIP RAP									
DIDE		STONE RIP RAP											
DIAMETER (IN.) D	QUALITY DESIGNATION	GRADATION NUMBER	MINIMUM THICKNESS (IN.) A	MINIMUM LENGTH (FT.) B	WEIGHT RANGE (#)	WEIGHT AVERAGE (#)	SIZE AVERAGE (IN.)	GRADATION NUMBER	MINIMUM THICKNESS (IN.) C				
12	В	3	12"	12'	1-50	10	4.5"	N/A	N/A				
15	В	3	14"	14'	1-50	10	4.5″	N/A	N/A				
18	В	4	16″	16'	1-50	40	7"	1 OR CA-3	6"				
21	В	4	18″	18'	1-150	40	7''	1 OR CA-3	6"				
24	В	4	20"	20′	1-150	40	7''	1 OR CA-3	6"				
30	В	4	22''	22′	1-150	40	7''	1 OR CA-3	6"				
36	В	5	24''	24′	3-400	90	10''	1 OR CA-3	8''				
42	В	5	26″	26′	3-400	90	10''	1 OR CA-3	8''				
48	В	6	28′′	28′	6-600	170	12''	2 OR CA-1	10''				
54	В	6	32''	32'	6-600	170	12''	2 OR CA-1	10''				
60	В	6	36"	36′	6-600	170	12''	2 OR CA-1	10''				
72	В	6	44''	44'	6-600	170	12"	2 OR CA-1	10''				

NUTE:

1. FOR PIPE SIZE 72" AND LARGER A SPECIAL DESIGN OF RIP RAP OR APRON IS REQUIRED.

2. GRADATION REFFER TO IDOT SPECIFICATIONS AND STANDARDS.

					DSGN.	NM	TITL
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of Orland Darb					CHKD.	JGS	
j Oriana Lark					SCALE:	2'	
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REEKSIDE SUBDIVISION SOUTH DRAINAGE	
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STONE RIP RAP DETAIL

2 OF 2









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REEKSIDE SUBDIVISION SOUTH DRAINAGE EROSION CONTROL DETAILS

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ECP DET_2



					DSGN.	NM] TITLE
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f Orland Darb					CHKD.	JGS		1 CI
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LEGEND:

	PERIMETER EROSION BARRIER
\Leftrightarrow	INLET FILTER
	INLET AND PIPE PROTECTION
÷.	TREE PRUNE/ROOT PRUNE
	SODDING TOPSOIL FURNISH AND PLACE, 4"
	RIPRAP CLASS A4

CREEKSIDE SUBDIVISION SOUTH DRAINAGE EROSION CONTROL PLAN

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CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 832 0555 (847) 823-0500







TYPICAL TRENCH BACKFILL DETAILS & TRENCHING NOTES FOR PARKWAY AREAS AND PAVED AREAS

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REEKSIDE SUBDIVISION SOUTH DRAINAGE DETAILS

PROJ. NO. 120213 DATE: 04/26/13 SHEET 8 OF 9 DRAWING NO.









INLET TYPE A									
INLET_A.DWG	STORM SEWER	DATE:							
DRAWN BY:	IMPROVEMENT	REVISED:							
Village	of ODIAND DADK	REVISED:							
vinuge		REVISED:							
Engine	Engineering Department								



NOTES

PRECAST CONCRETE FLARED END SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF A.A.S.H.O. M-170 CLASS III, WALL B REINFORCED CONCRETE PIPE.

PRECAST CONCRETE FLARED END SECTION FOR PIPE DIAMETER REQUIRED SHALL BE AS INDICATED ON DETAIL PLAN FOR EACH INDIVIDUAL INSTALLATION.

FLARED END SECTIONS 12 INCHES OR GREATER WILL REQUIRE GRATES.

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f Orland Park					CHKD.	PDR JGS		CREEKSIDE SUBDIVISION SOUTH DRAINAGE
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	PIPE DIA.	WALL	A	В	с	D	E	R	SLOPE
	12"	2"	4"	2'-0"	4'-7/8"	6'-7/8"	2'-0"	9"	3: 1
<u> </u>	15"	2 1/4"	6"	2'-3"	3'-10"	6'-1"	2'-6"	11"	3:1
	18"	2 1/2"	9"	2'-3"	3'-10"	6'—1"	3'-0"	12"	3:1
	21"	2 3/4"	9"	2'-11"	3'-2"	6'—1"	3'-6"	13"	3:1
	24"	3"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	14"	3:1
	27"	3 1/4"	10 1/2"	4'-0"	2'-1 1/2"	6'-1 1/2"	4'-6"	14 1/2"	3:1
	30"	3 1/2"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	15"	3:1
	33"	3 3/4"	1'-1 1/2"	4'-10 1'2"	3'-3 1/4"	8'-1 3/4"	5'-6"	17 1/2"	3:1
	36"	4"	1'-3"	5'–3"	2'-10 3/4"	8'-1 3/4"	6'-0"	20"	3:1
	42"	4 1/2"	1'-9"	5'–3"	2'—11"	8'-2"	6'-6"	22"	3:1
	48"	5"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	22"	3:1
	54"	5 1/2"	2'-3"	5'–5"	2'-11"	8'-4"	7'-6"	24"	2.4:1



Engineering Department

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