

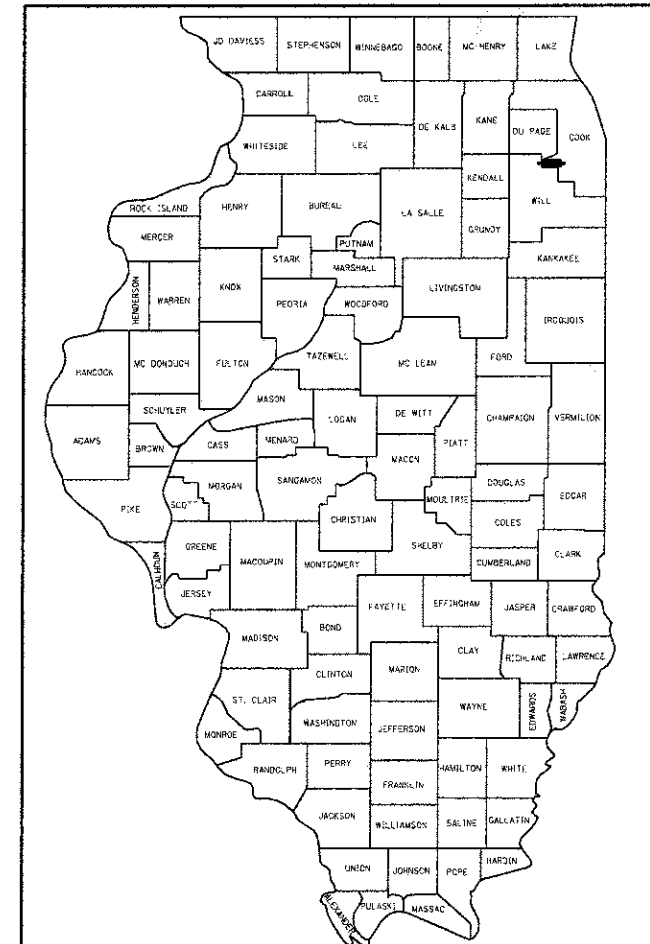
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1591	08-00043-00-BR	COOK	24	1
ILLINOIS			CONTRACT NO. 63804	

INDEX OF SHEETS

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5	TYPICAL SECTIONS
6	HORIZONTAL ALIGNMENT & TIES
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9	GRADING PLAN
10	SOIL EROSION & SEDIMENT CONTROL PLAN
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**PLANS FOR PROPOSED
HIGHWAY FEDERAL AID**

**FAU 1591 (127TH STREET)
AT TIMBERLINE DRIVE
SECTION: 08-00043-00-BR
PROJECT: SRTS-9003(054)
ROADWAY CHANNELIZATION, PEDESTRIAN
PATHWAYS, AND LIGHTING
COOK COUNTY
JOB NO. C-91-490-08**



LOCATION OF SECTION INDICATED THUS: —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED _____ 20 _____
VILLAGE OF LEMONT, VILLAGE ENGINEER

APPROVED _____ 20 _____
Lemont Park District, EXECUTIVE DIRECTOR

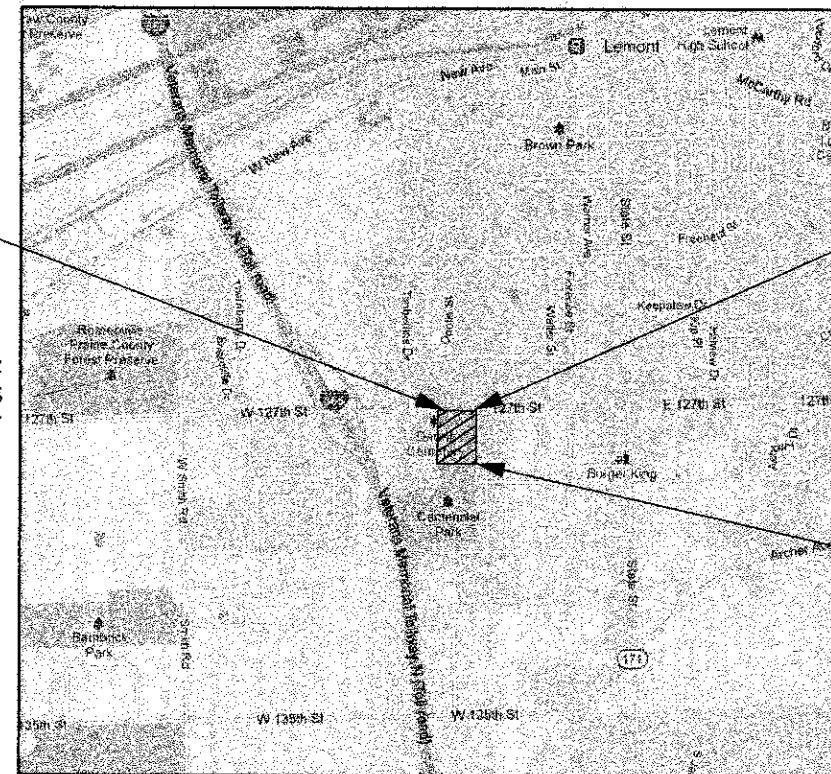
PASSED MARCH 11 2013
C. J. HOLT
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW March 11 2013
Deputy Director of Highways, REGION 1 ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

PROFESSIONAL ENGINEER'S CERTIFICATION
I, BRIAN WITKOWSKI, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THIS SUBMISSION WAS PREPARED UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.

DATED THIS 8 DAY OF FEB, A.D., 2013.
BRIAN WITKOWSKI
ILLINOIS REG. PROF. ENGINEER NO. 062-060465 EXPIRATION DATE 11/30/2013



LOCATION MAP (N.T.S.)

GROSS AND NET LENGTH OF PROJECT
462 FEET (0.08 MILES)

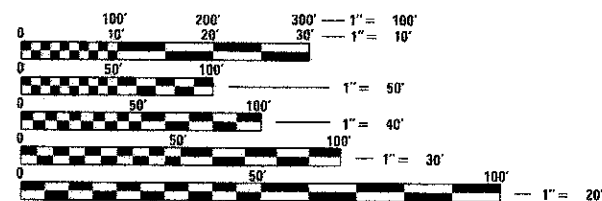
ESI CONSULTANTS, LTD
1979 N. MILL STREET, SUITE 100
NAPERVILLE, IL 60563
(630) 420-1700
WWW.ESICONSULTANTS.LTD.COM
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003885

PROJECT LOCATED IN
VILLAGE OF LEMONT



FOR INDEX OF STANDARDS, SEE SHEET 3

FUNCTIONAL CLASSIFICATION
MAJOR COLLECTOR
2010 ADT = 11,300



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



J.U.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT MANAGER: BRIAN WITKOWSKI, P.E.

CONTRACT NO. 63804

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 705-4406

GENERAL CONSTRUCTION NOTES

ALL EARTHWORK AND STREET CONSTRUCTION WITHIN THE LIMITS OF THE PROJECT SHALL BE DONE IN ACCORDANCE WITH THE (SSRBC) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS, CURRENT EDITION, AND ALL SUPPLEMENTS AND REVISIONS THERETO, THE "SPECIAL PROVISIONS", THESE "CONSTRUCTION NOTES" AND THE STANDARD SPECIFICATIONS OF THE AGENCY HAVING JURISDICTION OVER THE PROJECT.

ALL SEWER AND WATER MAIN CONSTRUCTION WITHIN THE LIMITS OF THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION, AND ALL SUPPLEMENTS AND REVISIONS THERETO, THE "SPECIAL PROVISIONS", THESE "CONSTRUCTION NOTES" AND THE STANDARD SPECIFICATIONS OF THE AGENCY HAVING JURISDICTION OVER THE PROJECT.

A COPY OF THE ABOVE SPECIFICATIONS SHALL BE IN THE POSSESSION OF THE CONTRACTOR OF THIS PROJECT AT ALL TIMES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING, AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC.

EXISTING UTILITIES AND UTILITY EASEMENTS, BOTH PUBLIC AND PRIVATE, ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION AVAILABLE TO THE ENGINEER AND ARE ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF ALL UTILITY LINES AND FOR THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT SAID CONFLICT MAY BE RESOLVED.

PUBLIC WATER MAIN FACILITIES MAY BE OPERATED ONLY BY VILLAGE PERSONNEL. THE CONTRACTOR IS NOT PERMITTED TO OPEN, CLOSE OR ADJUST ANY PUBLIC WATER VALVE FOR ANY REASON. CONTRACTOR SHALL PROVIDE 72 HOUR NOTICE FOR ANY SERVICES REQUIRED BY VILLAGE. IF AN EMERGENCY SITUATION ARISES, THE CONTRACTOR SHALL CONTACT THE VILLAGE PUBLIC WORKS DEPARTMENT IMMEDIATELY.

SAWING OF EXISTING SURFACES WHEN REQUIRED FOR REMOVAL OR CONSTRUCTION WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE VARIOUS REMOVAL PAY ITEMS.

CONTRACTOR SHALL POST BOND AND INSURANCE WITH COOK COUNTY PRIOR TO BEGINNING PROJECT.

ANY ERADICATION OF EXISTING PAVEMENT MARKINGS SHALL BE DONE IN ACCORDANCE WITH BOTH IDOT AND COOK COUNTY STANDARDS. MR. DILIP PATEL SHALL BE CONTACTED PRIOR TO ANY ERADICATION OR APPROVAL OF REMOVAL METHOD. MR. PATEL CAN BE REACHED AT (708) 974-6862.

STORM SEWER

ALL STORM SEWER CONSTRUCTION WITHIN THE LIMITS OF THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION, AND ALL SUPPLEMENTS AND REVISIONS THERETO, THE "SPECIAL PROVISIONS", THESE "CONSTRUCTION NOTES" AND THE STANDARD SPECIFICATIONS OF THE AGENCY HAVING JURISDICTION OVER THE PROJECT.

STRUCTURES FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THESE IMPROVEMENT PLANS AND THE APPLICABLE STANDARD SPECIFICATIONS. ALL JOINT SECTIONS SHALL BE SEALED WITH CONTINUOUS BUTYL MASTIC ROPE & MORTARED WITH NON-SHRINK MORTAR WHICH SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE VARIOUS SEWER PAY ITEMS.

EXCEPT WHERE INDICATED OTHERWISE IN THE PLANS, ALL MANHOLES SHALL HAVE A FRAME CONFORMING TO NEENAH R-1550 OR APPROVED EQUAL.

ALL LIDS SHALL BE NEENAH R-1550 OR R-2578 (OR APPROVED EQUAL) TYPE "B" SELF SEALING WITH A CONCEALED PICK HOLE AND "STORM" CAST INTO THE TOP SURFACE TO IDENTIFY THE LINE.

ALL TOPS OF FRAMES FOR STORM SEWER ARE TO BE ADJUSTED TO MEET FINISH GRADE. THIS ADJUSTMENT IS TO BE MADE BY THE SEWER CONTRACTOR AND SHALL NOT EXCEED 12 INCHES.

STEPS SHALL BE INSTALLED IN ALL STORM MANHOLES ON 16" CENTERS (NEENAH R-1981-1 CAST IRON OR EAST JORDAN 8533 OR APPROVED EQUAL).

UNLESS OTHERWISE INDICATED ON THE PLANS, STORM SEWER PIPE AND CULVERT PIPE 12" IN DIAMETER AND LARGER SHALL BE REINFORCED CONCRETE PIPE, ASTM C-76, CLASS IV.

ANY STORM SEWER WITHIN 10' (HORIZONTALLY) OF WATERMAIN SHALL HAVE GASKETED JOINTS MEETING THE REQUIREMENTS OF WATER QUALITY PIPE. RUBBER GASKETS SHALL BE ACCORDING TO ASHTO M315 / ASTM C443.05A.

ALL CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE BY CORING OR SAW-CUTTING THE EXISTING STRUCTURE. BREAKING INTO STRUCTURES WILL NOT BE ALLOWED.

IN LINE CURB STRUCTURES MAY NOT INCLUDE THE USE OF SHIMS. ALL FRAMES SHALL SIT DIRECTLY ABOVE THE ADJACENT RINGS OR FLAT TOP. OFFSET FRAMES WILL NOT BE ACCEPTED.

LIDS AND GRATES, WHERE PRACTICAL, SHALL COMPLY WITH NPDES PHASE II BEST MANAGEMENT PRACTICES THROUGH APPROPRIATE FACIAL MARKINGS.

PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES UNDER OR WITHIN 2 FEET OF PAVED AREAS.

STRUCTURE ADJUSTMENTS AND RECONSTRUCTIONS UP TO 12 INCHES CAN BE MADE WITH CONCRETE ADJUSTMENT RINGS. CHANGES IN ELEVATION GREATER THAN 12 INCHES SHALL REQUIRE ADDITIONAL CONCRETE BARREL SECTIONS.

DEMOLITION

THOSE ITEMS (SIGNS, POSTS, LIGHT POLES, ETC.) WHICH ARE SO DESIGNATED BY THE ENGINEER SHALL BE REMOVED, STORED, AND SUBSEQUENTLY RELOCATED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. IN ADDITION, ANY SUCH ITEMS WHICH ARE DAMAGED DURING CONSTRUCTION OPERATIONS BEYOND REPAIR SHALL BE REPLACED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.

ALL CLEARING OF BUSHES, HEDGES, AND TREES UNDER 6" IN DIAMETER WILL BE INCIDENTAL TO THE COST OF EARTH EXCAVATION.

TRENCHING

GRANULAR FOUNDATION AND BACKFILL TRENCH SECTIONS FOR SANITARY SEWER, STORM SEWER AND WATER MAIN ARE TO BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. THE COST OF BEDDING, HAUNCHING AND INITIAL BACKFILL SHALL BE INCLUDED IN THE COST FOR SEWERS AND WATER MAIN AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL SURPLUS EXCAVATED MATERIAL FROM THE TRENCH WILL BE PROPERLY DISPOSED OF BY THE CONTRACTOR. SEE NOTES UNDER "EXCAVATED MATERIALS" FOR ADDITIONAL INFORMATION.

EXCAVATED MATERIALS

ALL SURPLUS EXCAVATED MATERIALS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.

ALL CONSTRUCTION AND DEMOLITION DEBRIS OR WASTE, INCLUDING EXCESS OR UNSUITABLE MATERIAL, SHALL BE DISPOSED OF IN A LICENSED LANDFILL, RECYCLED, REUSED OR OTHERWISE DISPOSED OF AS ALLOWED BY STATE OR FEDERAL SOLID WASTE DISPOSAL LAWS AND REGULATIONS AND SOLID WASTE DETERMINATIONS OF THE IEPA.

TRAFFIC CONTROL

WHEN LANE CLOSURES ARE REQUIRED TO PERFORM THE WORK, CONTRACTOR SHALL PROVIDE SIGNAGE AND FLAGMEN AS NECESSARY.

BI-DIRECTIONAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL NOTIFY THE VILLAGE ENGINEERING DEPARTMENT AND EMERGENCY DISPATCHER OF ANY LANE CLOSURE A MINIMUM OF 48 HOURS IN ADVANCE OF CLOSURE.

STAKING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR A PROFESSIONAL LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS:

- A.) FOR STRUCTURES FALLING IN THE CURB LINE--TO THE BACK OF CURB
- B.) FOR ALL OTHER STRUCTURES--TO THE CENTER OF THE STRUCTURE.

ALL ELEVATIONS ARE ON U.S.C.S. DATUM. ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, BACK OF CURB, ETC., ARE FROM THE BASELINE AS SHOWN ON THE PLANS.

□ DENOTES ITEM OR WORK INCLUDED IN THE COST OF OTHER ITEMS

WATERMAIN

ALL WATER MAIN CONSTRUCTION WITHIN THE LIMITS OF THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION, AND ALL SUPPLEMENTS AND REVISIONS THERETO. THE "SPECIAL PROVISIONS", THESE "CONSTRUCTION NOTES" AND THE STANDARD SPECIFICATIONS OF THE AGENCY HAVING JURISDICTION OVER THE PROJECT.

GRANULAR FOUNDATION AND BACKFILL TRENCH SECTIONS FOR WATER MAINS ARE TO BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. GRANULAR BEDDING TYPE 5 SHALL BE PROVIDED FOR THE ENTIRE LENGTH OF THE WATER MAIN. THE COST OF THE BEDDING SHALL BE INCLUDED WITH THE COST FOR THE WATER MAIN AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL WATER MAINS SHALL BE DUCTILE CAST IRON, CLASS 52, IN ACCORDANCE WITH ANSI/AWWA C-151/A21.51 AND ANSI/AWWA C-111/A21.11 STANDARDS. FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT CONFORMING TO THE LATEST ANSI SPECIFICATION A21.10 AND AWWA C-100. ALL PIPE AND FITTINGS SHALL BE CEMENT LINED IN ACCORDANCE WITH AWWA C-104. JOINTS SHALL BE PUSH-ON OR MECHANICAL. ELECTRICAL CONDUCTIVITY SHALL BE PROVIDED WITH BRASS WEDGES. CORROSION PROTECTION OF THE WATER MAIN SHALL BE PROVIDED THROUGH THE USE OF A PROPERLY INSTALLED POLYETHYLENE ENCASEMENT WITH TAPED JOINTS. PROVIDE JOINT RESTRAINTS IN ACCORDANCE WITH VILLAGE STANDARDS.

PROVIDE EAST JORDAN 98725 VALVE BOX STABILIZER AND TYLER 6850 SERIES AUXILIARY VALVE AND AND AUXILIARY VAULT W/ S.S. TRIM (OR APPROVED EQUALS) AT ALL FIRE HYDRANTS.

ALL WATER MAINS SHALL BE SEPARATED FROM SANITARY SEWERS AND STORM SEWERS A MINIMUM OF 10' HORIZONTALLY (WHEN RUNNING PARALLEL) OR 18" VERTICALLY WHEN CROSSING EACH OTHER. IN ADDITION, IF THE WATER MAIN LIES BELOW THE SEWER LINE, THE WATER MAIN SHALL BE ENCASED IN A WATER TIGHT SLEEVE SUCH THAT NEITHER END OF THE SLEEVE IS CLOSER THAN 10' AS MEASURED PERPENDICULAR FROM THE SEWER. WATER MAIN PROTECTION FOR CROSSING SEWER LINES SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT UNIT PRICE FOR WATER MAIN.

CONTRACTOR SHALL TEST WATER MAINS FOR ACCEPTANCE BY PRESSURE TESTING IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION. IF EXISTING VALVES ARE USED FOR PRESSURE TESTS, THE CONTRACTOR REMAINS RESPONSIBLE FOR PASSING THE TESTS. TESTING SHALL BE WITNESSED BY A REPRESENTATIVE OF THE VILLAGE OF LEMONT. COST OF TESTING SHALL BE INCLUDED IN THE UNIT PRICE FOR WATER MAIN CONSTRUCTION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL SURPLUS EXCAVATED MATERIAL FROM THE TRENCH WILL BE PROPERLY DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE, UNLESS MATERIAL IS CONSIDERED SPECIAL WASTE.

THE VILLAGE OF LEMONT PUBLIC WORKS DEPARTMENT SHOULD BE CONTACTED AT LEAST 48 HOURS IN ADVANCE OF ANY CONNECTIONS TO THE WATER SYSTEM OR ANY SHUT DOWN REQUIRED TO CONSTRUCT THE WATER SYSTEM. ALL SHUT DOWNS SHALL BE ACCOMPLISHED UNDER THE DIRECTION OF THE WATER DEPARTMENT.

ALL CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE BY CORING OR SAW-CUTTING THE EXISTING STRUCTURE. BREAKING INTO STRUCTURES WILL NOT BE ALLOWED.

PROVIDE 18" MINIMUM SPACING BETWEEN ALL WATER MAIN FITTINGS (AS MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT FITTINGS).

SITE GRADING AND PAVING

EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING, AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, THE CONSTRUCTION OF EMBANKMENTS, CONSTRUCTING NON-STRUCTURAL FILLS, AND FINAL SHAPING AND TRIMMING TO THE LINES, GRADES AND CROSS SECTIONS SHOWN ON THE PLANS. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF SECTION 200 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.

THE GRADING OPERATIONS ARE TO BE CLOSELY SUPERVISED AND INSPECTED BY THE SOILS ENGINEER OR HIS REPRESENTATIVE, PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS. THE REMOVAL AND BACKFILL OF UNSUITABLE MATERIAL SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL WITH THE QUANTITY DETERMINED BY FIELD MEASUREMENT.

THE CONTRACTOR SHALL STOCKPILE EXCAVATED TOPSOIL AND CLAY ON THE SITE AT SEPARATE LOCATIONS DESIGNATED BY THE OWNER AND IN ACCORDANCE WITH THE SPECIFICATIONS. EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A SEQUENCE SO AS TO ELIMINATE ANY RE HANDLING OR DOUBLE MOVEMENTS BY THE CONTRACTOR. FAILURE TO PROPERLY SEQUENCE THE STOCKPILING OPERATION SHALL NOT CONSTITUTE A CLAIM FOR ADDITIONAL COMPENSATION.

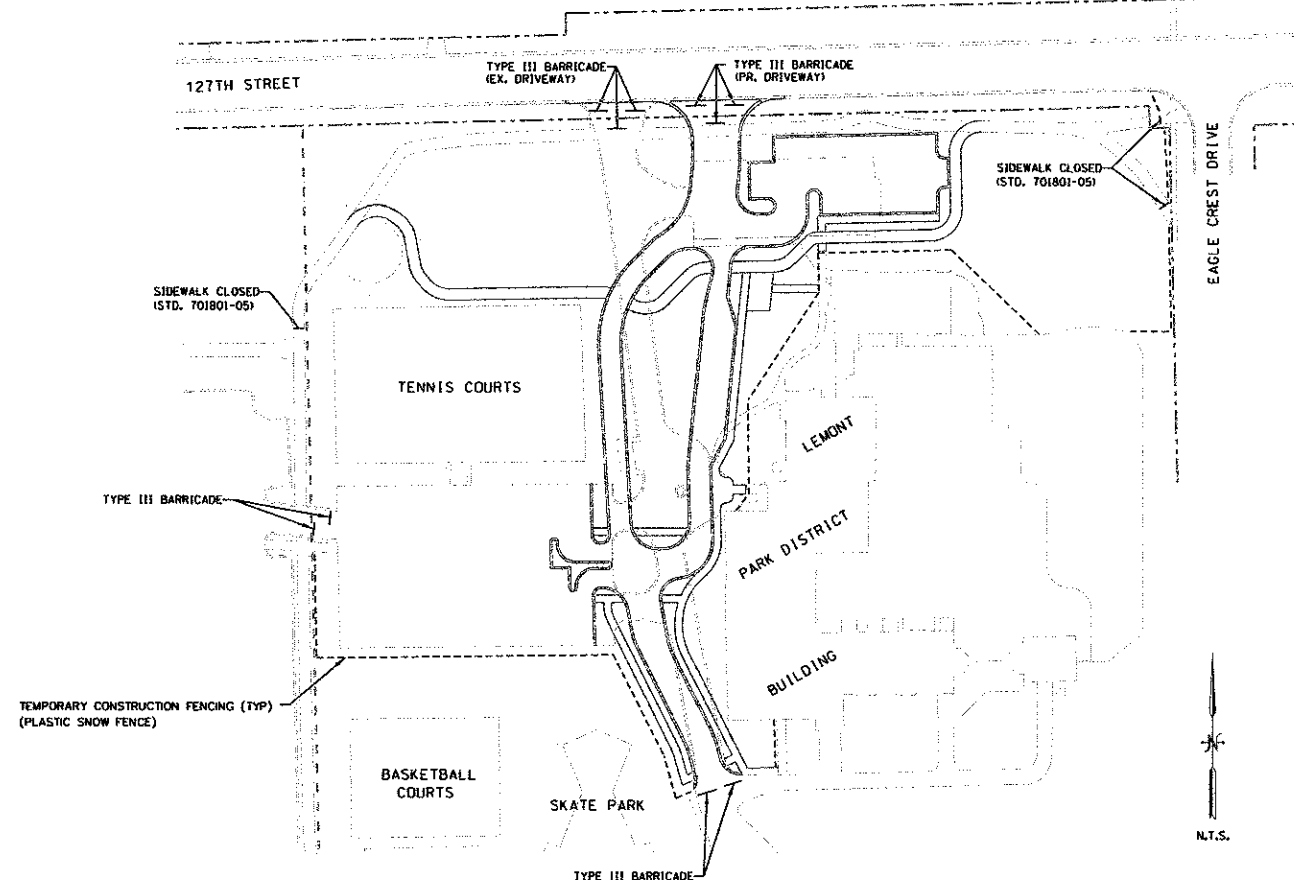
CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL EXCAVATED MATERIAL, INCLUDING PAVEMENT, CONCRETE, ETC. FROM THE SITE.

THE APPLICATION RATE FOR BITUMINOUS MATERIALS (PRIME COAT) SHALL BE 0.35 GALLONS PER SQUARE YARD. THE APPLICATION RATE FOR AGGREGATE (PRIME COAT) SHALL BE 4.0 POUNDS PER SQUARE YARD.

TRAFFIC CONTROL PLAN

PROVIDE TRAFFIC CONTROL CONSISTENT WITH THE PLAN SHOWN ON THIS SHEET.

TRAFFIC CONTROL FOR WORK ON 127TH STREET SHALL BE IN ACCORDANCE WITH STANDARD 701502-05. SIDEWALK CLOSURES SHALL BE IN ACCORDANCE WITH STANDARD 701801-05. THE COST OF TRAFFIC CONTROL CONSISTENT WITH THESE STANDARDS SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.



LEGEND

EXISTING		PROPOSED
	PROPERTY LINE	
	RIGHT-OF-WAY	
	EASEMENT	
	BUILDING SETBACK	
	TEMPORARY EASEMENT	
	MAJOR CONTOUR (5')	
	MINOR CONTOUR (1')	
	STORM SEWER	
	UNDERDRAIN PIPE	
	STORM MANHOLE	
	CATCH BASIN	
	INLET	
	FLARED END SECTION	
	STORM CLEANOUT	
	DOWNSPOUT	
	SANITARY SEWER	
	SANITARY SERVICE	
	SANITARY MANHOLE	
	SANITARY CLEANOUT	
	WATERMAIN	
	WATER SERVICE / FIRE	
	VALVE VAULT	
	FIRE HYDRANT	
	VALVE BOX	
	BUFFALO BOX	
	MONITORING WELL	
	OVERHEAD ELECTRIC	
	UNDERGROUND ELECTRIC	
	POWER POLE	
	POWER POLE W/ LIGHT	
	ELECTRIC MANHOLE	
	ELECTRIC METER	
	ELECTRIC SPLICE BOX	
	TELEPHONE	
	TELEPHONE POLE	
	TELEPHONE VAULT	
	TELEPHONE SPLICE BOX	
	CABLE TELEVISION	
	FIBER OPTIC CABLE	
	CABLE SPLICE BOX	
	GAS	
	GAS METER	
	GAS VALVE	
	GAS REGULATOR	
	GAS PUMP	
	OIL	
	TRAFFIC SIGNAL	
	TRAFFIC SIGNAL ARM	
	STREET SIGN	
	SIGN AND POST	
	FENCE	
	GUARDRAIL	
	HANDRAIL	

SANITARY SEWER NOTES

- All floor drains shall discharge to the sanitary sewer system.
- All downspouts and footing drains shall discharge to the storm sewer system.
- All sanitary sewer pipe materials and joints (and storm sewer pipe materials and joints in a combined sewer area) shall conform to:

Pipe Material Spec.	Joint Spec.
<u>Vitrified Clay Pipe</u>	
VCP C-700	C-425
VCP (No-Bell) C-700	
Joint	C-425
Collar	D-1784
<u>Concrete Pipe C-14</u>	
RCP C-76	C-443
ACP C-428	D-1869
<u>ABS Sewer Pipe</u>	
Solid Wall 6" dia.	SDR 23.5
ABS D-2751	D-2751
<u>ABS Composite/Truss Pipe</u>	
8"-15" dia.	
ABS D-2680	D-2680
<u>PVC Gravity Sewer Pipe</u>	
6"-15" dia. SDR 26	
D-3034	D-3212 or D-2855
18"-27" dia. F/dy=46	
F-679	D-3212 or D-2855
CISP A-74	C-564
DIP A-21.51	A-21.11
- All sanitary sewer construction (and storm sewer construction in combined sewer areas), requires stone bedding with stone 1/4" to 1" in size, with minimum bedding thickness equal to 1/4 the outside diameter of the sewer pipe, but not less than four (4) inches nor more than eight (8) inches. Material shall be CA-11 or CA-13 and shall be extended at least 12" above the top of the pipe when using PVC.
- "Band Seal" or similar flexible-type couplings shall be used in the connection of sewer pipes of dissimilar materials.
- When connecting to an existing sewer main by means other than an existing wye, tee, or an existing manhole, one of the following methods shall be used:
 - Circular saw-cut of sewer main by proper tools ("Shower-Tap" machine or similar) and proper installation of hubwye saddle or hub-tee saddle.
 - Remove an entire section of pipe (breaking only the top of one bell) and replace with a wye or tee branch section.
 - With pipe cutter, neatly and accurately cut out desired length of pipe for insertion of proper fitting, using "Band Seal" or similar couplings to hold it firmly in place.
- Whenever a sanitary/combined sewer crosses under a watermain, the minimum vertical distance from the top of the sewer to the bottom of the watermain shall be 18 inches. Furthermore, a minimum horizontal distance of 10 feet between sanitary/combined sewers and watermains shall be maintained unless the sewer is laid in a separate trench, keeping a minimum 18" vertical separation; or the sewer is laid in the same trench with the watermain located at the opposite side on a bench of undisturbed earth, keeping a minimum 18" vertical separation. If either the vertical or horizontal distances described above cannot be maintained, or the sewer crosses above the watermain, the sewer shall be constructed to watermain standards.
- All sanitary manholes, (and storm manholes in combined sewer areas), shall have a minimum inside diameter of 48 inches, and shall be cast in place or pre-cast reinforced concrete.

VERTICAL DATUM: NAVD88

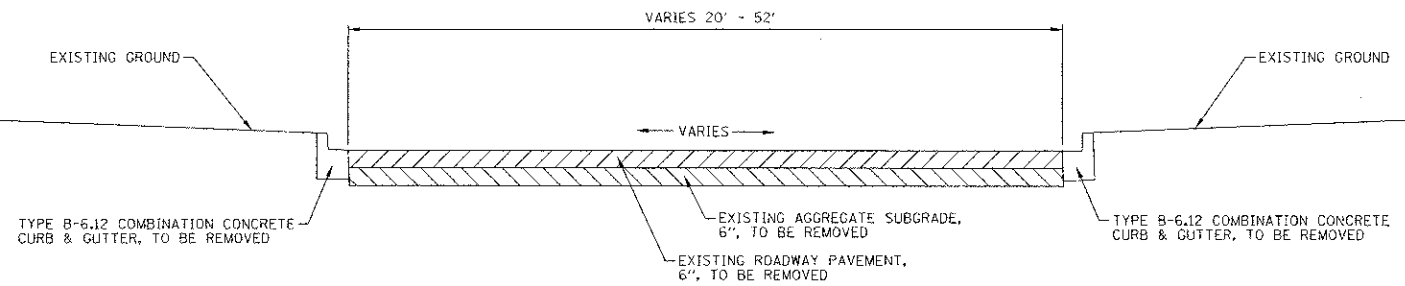
HIGHWAY STANDARDS

001006	DECIMAL OF AN INCH AND OF A FOOT
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-07	PERPENDICULAR CURB RAMPS
424006-01	DIAGONAL CURB RAMPS
424016-01	MIDBLOCK CURB RAMPS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-03	INLET TYPE A
602401-03	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-03	FRAMES AND LIDS TYPE 1
604051-03	FRAME AND GRATE TYPE 11
606001-05	CONCRETE CURB TYPE B & COMBINATION CURB & GUTTER
701502-05	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701801-05	SIDEWALK, CORNER OR SIDEWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B POSTS (FOR SIGNS & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-03	TYPICAL PAVEMENT MARKINGS
836001-02	LIGHT POLE FOUNDATION

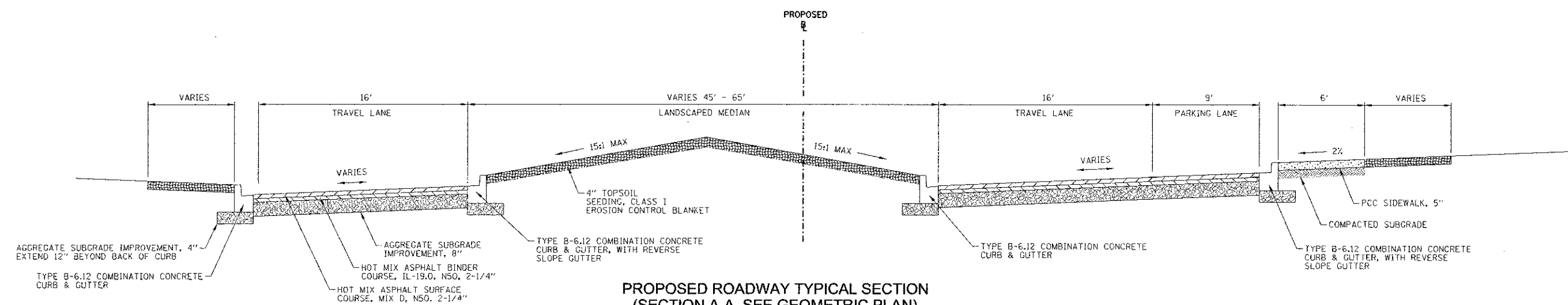
ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	SPTS FUNDS
2010010	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	171	171
2010020	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	42	42
2010100	TREE TRUNK PROTECTION	EACH	18	18
2020010	EARTH EXCAVATION	CU YD	1,773	1,773
2020120	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	177	177
2040080	FURNISHED EXCAVATION	CU YD	163	163
2070020	POROUS GRANULAR EMBANKMENT	CU YD	177	177
2110101	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	11,893	11,893
2500010	SEEDING, CLASS 1	ACRES	2.00	2.00
2500040	NITROGEN FERTILIZER NUTRIENT	POUND	199	199
2500050	PHOSPHORUS FERTILIZER NUTRIENT	POUND	199	199
2500060	POTASSIUM FERTILIZER NUTRIENT	POUND	199	199
2510030	EROSION CONTROL BLANKET	SQ YD	11,345	11,345
2520010	SOEDING	SQ YD	549	549
2800400	PERIMETER EROSION BARRICA	FOOT	306	306
2800500	INLET & PIPE PROTECTION	EACH	21	21
3030010	AGGREGATE SUBGRADE IMPROVEMENT 4"	SQ YD	1,472	1,472
3030018	AGGREGATE SUBGRADE IMPROVEMENT 8"	SQ YD	3,976	3,976
4060010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,636	1,636
4060030	AGGREGATE (PRIME COAT)	TON	9	9
4060080	HOT-MIX ASPHALT BINDER COURSE, II-19.0, NS0	TON	501	501
4060335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NS0	TON	579	579
4240020	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	6,736	6,736
4240080	DEFLECTABLE WARNINGS	SQ FT	361	361
4400010	PAVEMENT REMOVAL	SQ YD	3,996	3,996
4400050	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,621	1,621
4400060	SIDEWALK REMOVAL	SQ FT	2,841	2,841
5421365	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2
5421360	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1
5421360	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1
5640030	FIRE HYDRANTS TO BE RELOCATED	EACH	2	2
6010060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1
6010790	PIPE DRAINS 4"	FOOT	184	184
6020105	CATCH BASIN, TYPE A, 4-DIAMETER, TYPE I FRAME, OPEN LID	EACH	1	1
6020105	CATCH BASIN, TYPE A, 4-DIAMETER, TYPE II FRAME AND GRATE	EACH	2	2
6020790	CATCH BASIN, TYPE C, TYPE II FRAME AND GRATE	EACH	1	1
6021840	MANHOLES, TYPE A, 4-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	1	1
6021920	MANHOLES, TYPE A, 4-DIAMETER, TYPE II FRAME AND GRATE	EACH	2	2
6022100	MANHOLES, TYPE A, 5-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	1	1
6023680	INLETS, TYPE A, TYPE II FRAME AND GRATE	EACH	1	1
6025500	MANHOLES TO BE ADJUSTED	EACH	2	2
6025790	MANHOLES TO BE RECONSTRUCTED	EACH	1	1
6040380	LIDS, TYPE I, CLOSED LID	EACH	2	2
6050030	REMOVING MANHOLES	EACH	2	2
6050050	REMOVING CATCH BASINS	EACH	1	1
6050060	REMOVING INLETS	EACH	3	3
6060380	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,283	2,283
6060500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	104	104
7200010	SIGN PANEL - TYPE 1	SQ FT	132	132
7240010	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	16	16
7290010	METAL POST - TYPE A	FOOT	396	396
7800010	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	285	285
7800020	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,175	2,175
7800040	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	250	250
7800060	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	65	65
7800060	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	23	23
7830010	PAVEMENT MARKING REMOVAL	SQ FT	5,030	5,030
8102320	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	152	152

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	SPTS FUNDS
8160000	UNIT DUCT, 60W, 2-1C NO.8, 1/2" NO.8 GROUND, (Q.P.-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	478	478
8160055	UNIT DUCT, 60W, 3-1C NO.8, 1/2" NO.8 GROUND, (Q.P.-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	705	705
8210400	LUMINAIRE, SODIUM VAPOR, RECTILINEAR TYPE, 250 WATT	EACH	10	10
8360020	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	91	91
8420060	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	1	1
8420080	REMOVAL OF POLE FOUNDATION	EACH	4	4
8440010	RELOCATE EXISTING LIGHTING UNIT	EACH	3	3
550A009	STORM SEWERS, CLASS A, TYPE I 12"	FOOT	167	167
550A007	STORM SEWERS, CLASS A, TYPE I 15"	FOOT	61	61
550A009	STORM SEWERS, CLASS A, TYPE I 18"	FOOT	164	164
550A010	STORM SEWERS, CLASS A, TYPE I 24"	FOOT	311	311
A200010	TREE, ACER X FREEMANII (AUTUMN BIAZE (AUTUMN BIAZE FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7	7
A200030	TREE, ACER MIYABII (MORTON STAFF STRIBB MIYABE MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	16	16
A200070	TREE, CARYA OVATA (SHAGBARK HICKORY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	6
A200280	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2
A200710	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
A200720	TREE, THUJA AMERICANA (AMERICAN LINDEN/BASSWOOD), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4
B200124	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 3" CALIPER, BALLED AND BURLAPPED	EACH	4	4
B200420	TREE, CORNUS MAS (REDEN GLORY CORNUS/ANCHOVY DOGWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	9	9
C200055	SHRUB, CARYOPTERIS X CLAUDONENSIS BLUEHAYST (BLUE MIST BLUEBERRY), 5 GALLON	EACH	5	5
C200154	SHRUB, CORNUS RACEMOSA (GREY DOGWOOD), 2' HEIGHT, BALLED AND BURLAPPED	EACH	10	10
C201024	SHRUB, VIBURNUM DENTATUM SYNNESTVEDT (CHICAGO LUSTRE ARROWWOOD (VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED	EACH	14	14
C201204	SHRUB, CORNUS SERICEA (CARDINAL REDDOSH DOGWOOD), 2' HEIGHT, BALLED AND BURLAPPED	EACH	8	8
C201724	CONTAINER	EACH	13	13
C201824	SHRUB, PRINOCARPA OPULIFOLIA (DWARF COMMON NINEBARK), 2' HEIGHT, CONTAINER	EACH	10	10
C201924	SHRUB, VIBURNUM DENTATUM RALPH SENIOR (AUTUMN JAZZ ARROWWOOD (VIBURNUM), 2' HEIGHT, CONTAINER	EACH	15	15
C201324	SHRUB, WEGELA FLORIDA RED PRINCE (RED PRINCE/OLD FASHIONED WEGELA), 2' HEIGHT, CONTAINER	EACH	35	35
D200126	TREE, PSUDOTSUGA MENZIESII (DOUGLAS FIR), 3' HEIGHT, BALLED AND BURLAPPED	EACH	13	13
K001300	PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT	UNIT	17	17
K002610	TRANSPLANTED SALVAGED TREES	EACH	3	3
X002297	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	4	4
X002296	REMOVE EXISTING FLARED END SECTION	EACH	2	2
X002299	RELOCATE EXISTING FLARED END SECTION	EACH	3	3
X002356	REMOVE AND RELOCATE FLAGPOLE	EACH	1	1
X002356	PIPE DRAIN REMOVAL	FOOT	107	107
X0023706	TRASH RECEPTACLE RELOCATION	EACH	1	1
X0023864	BRICK SIDEWALK REMOVAL	SQ FT	108	108
X0027008	REMOVE AND RELOCATE SIGN (SPECIAL)	EACH	1	1
X0027146	RELOCATE BIKERACK	EACH	2	2
X0027149	RELOCATE BENCH	EACH	3	3
X5510100	STORM SEWER REMOVAL	FOOT	675	675
X5610008	DUCTILE IRON WATER MAIN PIPE INSTALLATION	FOOT	40	40
X5610790	WATER MAIN REMOVAL	FOOT	29	29
X6020930	MANHOLES, TYPE A, 5-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	2	2
X6020204	INLETS, TYPE A, TYPE I FRAME, OPEN LID, SPECIAL	EACH	1	1
X6020840	REMOVE AND RELOCATE INLETS	EACH	1	1
X6020650	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1
X6060200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	148	148
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L.SUM	1	1
X8302405	LIGHT POLE, ALUMINUM, 20 M.H., 6 MAST ARM	EACH	10	10
X5440105	RELOCATE EXISTING SIGN LIGHTING LUMINAIRE	EACH	2	2
X08950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1	1
X2177600	REMOVE EXISTING BUMPER BLOCKS	EACH	16	16
Z0013798	CONSTRUCTION LAYOUT	L.SUM	1	1
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	1	1

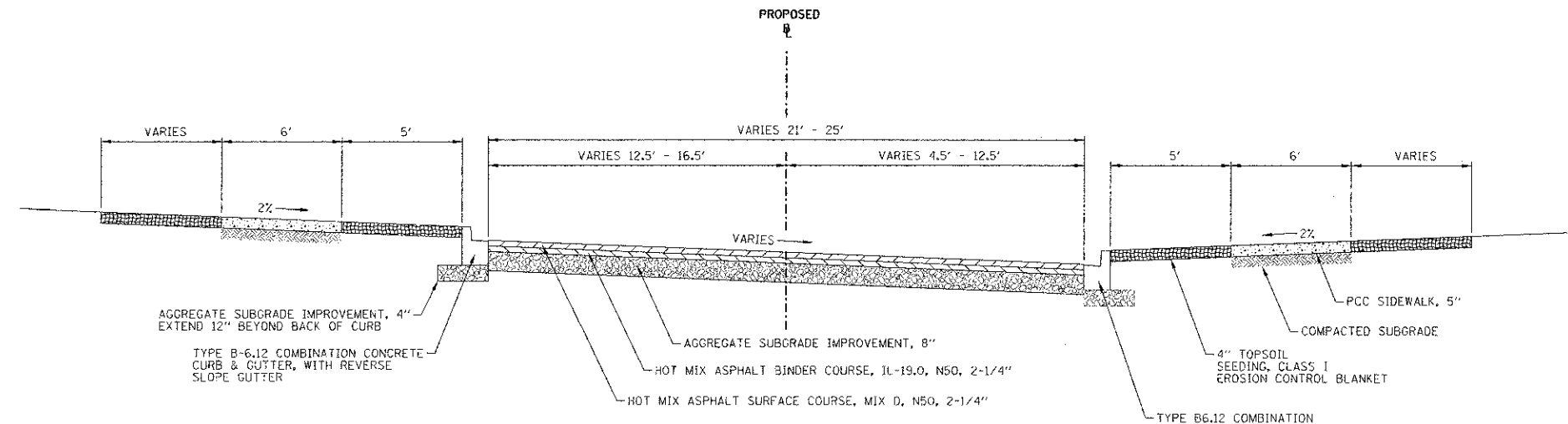
△ SPECIAL PROVISION
* SPECIALTY ITEMS



EXISTING ROADWAY TYPICAL SECTION
(SECTION A-A, SEE EXISTING CONDITIONS & DEMOLITION PLAN)



PROPOSED ROADWAY TYPICAL SECTION
(SECTION A-A, SEE GEOMETRIC PLAN)
STA. 101+40 TO STA. 103+80



PROPOSED ROADWAY TYPICAL SECTION
(SECTION B-B, SEE GEOMETRIC PLAN)
STA. 103+80 TO STA. 105+71

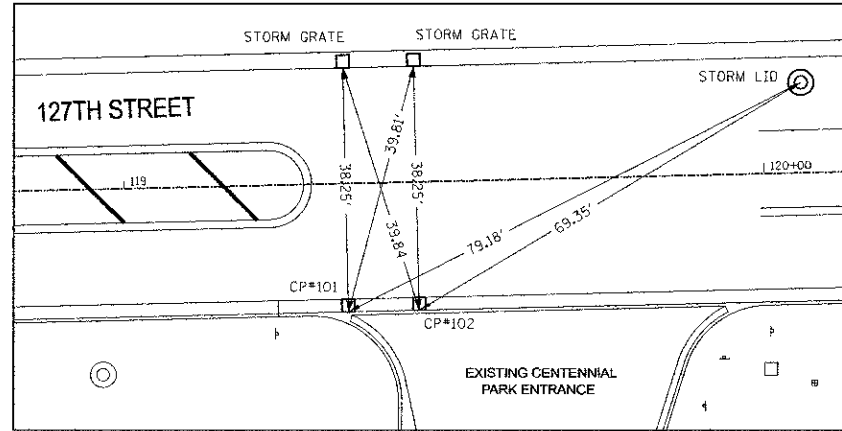
HOT-MIX ASPHALT MIX REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @Ndes
ROADWAY PAVEMENT	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	4% @ 50 GYR.
PARKING LOT PAVEMENT	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	4% @ 50 GYR.
ASPHALT PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	4% @ 50 GYR.

NOTES:
1. THE UNIT WEIGHT USED TO CALC. ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD./IN.

127TH STREET

127TH STREET

EAGLE CREST DRIVE



PT NS100
STA 100+00 BEGIN BASELINE
G 127TH ST STA 120+40.22

PNT NS101
STA 100+69.44

PNT NS102
STA 101+20.53

PNT NS103
STA 103+79.32

PNT NS104
STA 104+47.13

PNT NS 105
STA 105+30.01

PNT NS 106
STA 105+81.02

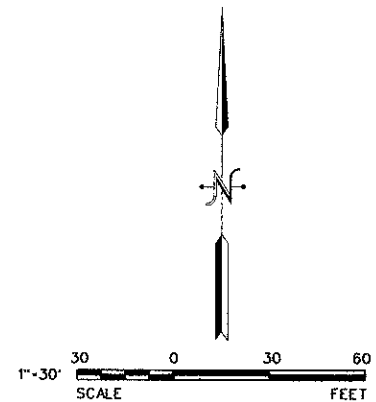
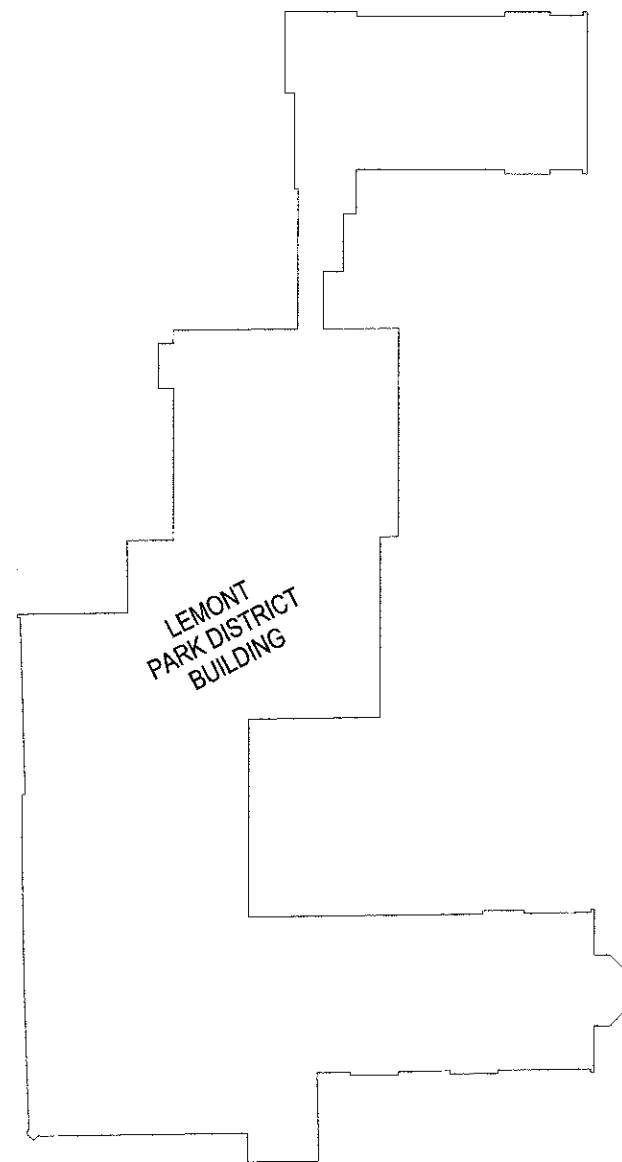
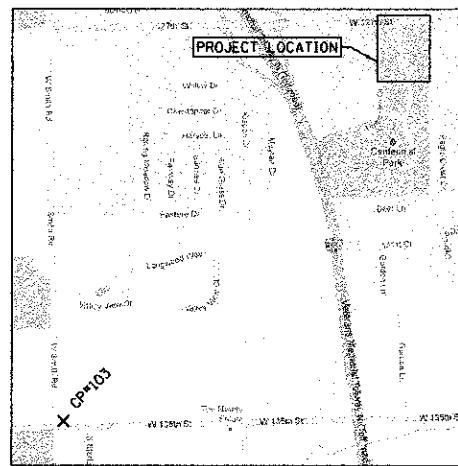
Beginning Alignment Baseline Description

Point NS100	N 1817545.32	E 1072407.88	STA 100+00.00
Course from NS100 to NS101	S178°36'37"E Dist 69.44'		
Point NS101	N 1817475.91	E 1072409.36	STA 100+69.44
Course from NS101 to NS102	S174°28'35"W Dist 51.09'		
Point NS102	N 1817425.05	E 1072404.44	STA 101+20.53
Course from NS102 to NS103	S166°50'08"W Dist 258.79'		
Point NS103	N 1817173.06	E 1072345.50	STA 103+79.32
Course from NS103 to NS104	S169°12'35"E Dist 67.81'		
Point NS104	N 11817106.45	E 1072358.20	STA 104+47.13
Course from NS104 to NS105	S150°16'07"E Dist 82.88'		
Point NS105	N 1817034.48	E 1072309.30	STA 105+30.01
Course from NS105 to NS106	S169°12'35"E Dist 51.01'		
Point NS106	N 1816994.37	E 1072408.85	STA 105+81.02

Ending Alignment Baseline Description

Proposed Baseline Control Points

Point	Description	Northing / Easting	Elevation (NAVD 88)
CP#101	Existing Catch Basin Frame (South side of 127th Street, shot at the midpoint of the frame along the face of the curb)	1817522.78 / 1072302.52	745.75
CP#102	Existing Catch Basin Frame (South side of 127th Street, shot at the midpoint of the frame along the face of the curb)	1817523.04 / 1072313.62	745.77
CP#103	Stainless Steel Rod with Sleeve (Will County GPS 236) (Cast cap and lid flush with surface, located in northeast quadrant of 135th Street & Smith Road)	1812126.29 / 1067863.52	676.61



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DESIGNED - BW	REVISED - 2/4/13 PER IDOT
DRAWN - BR	REVISED -
CHECKED - BW	REVISED -
DATE -	REVISED -

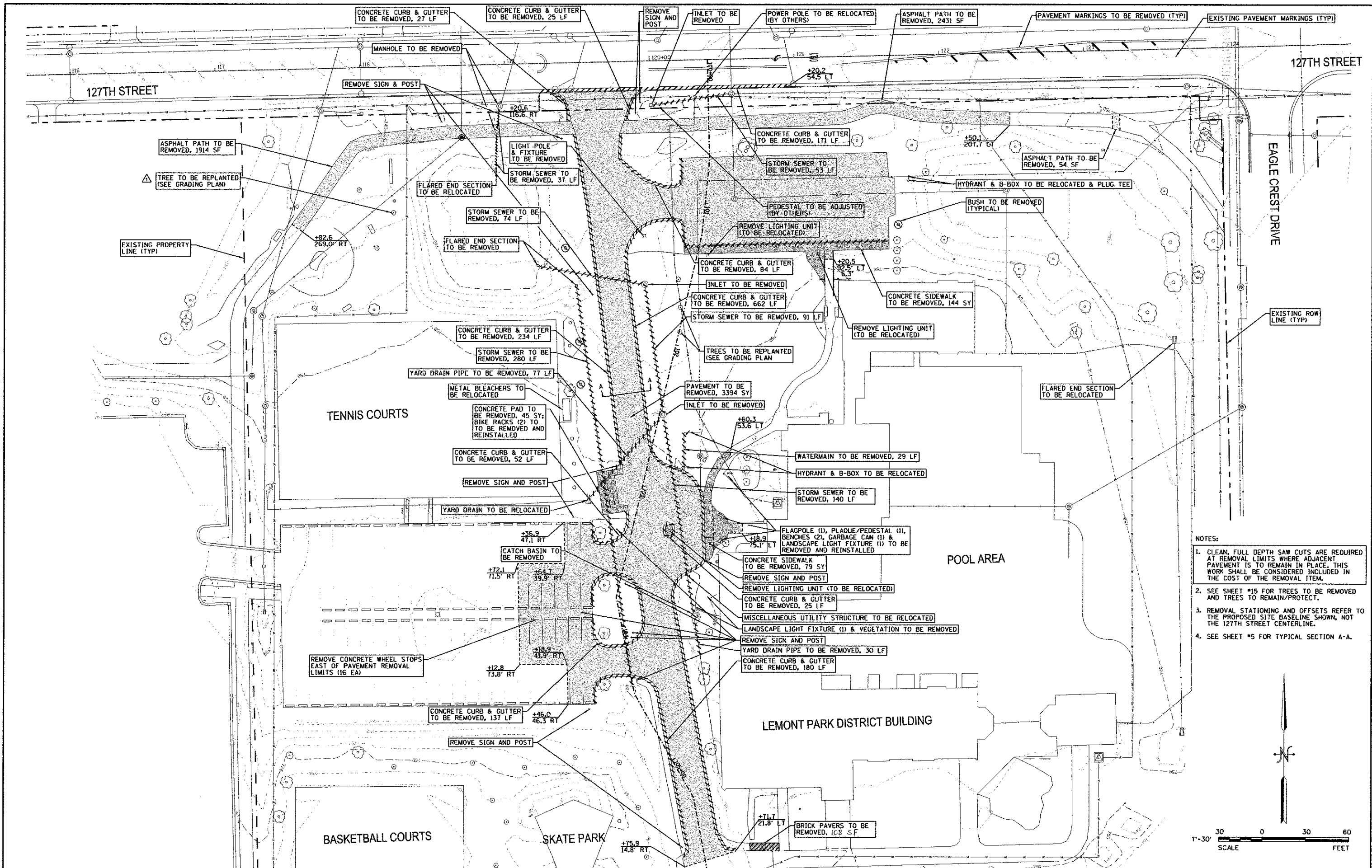
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORIZONTAL ALIGNMENT & TIES

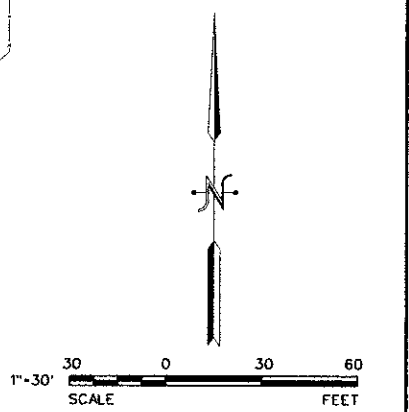
SCALE: 1"=30' SHEET NO. J OF JL SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1591	08-00043-00-BR	COOK	24	6
				CONTRACT NO. 63804

ILLINOIS FED. AID PROJECT



- NOTES:
1. CLEAN, FULL DEPTH SAW CUTS ARE REQUIRED AT REMOVAL LIMITS WHERE ADJACENT PAVEMENT IS TO REMAIN IN PLACE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE REMOVAL ITEM.
 2. SEE SHEET #15 FOR TREES TO BE REMOVED AND TREES TO REMAIN/PROTECT.
 3. REMOVAL STATIONING AND OFFSETS REFER TO THE PROPOSED SITE BASELINE SHOWN, NOT THE 127TH STREET CENTERLINE.
 4. SEE SHEET #5 FOR TYPICAL SECTION A-A.



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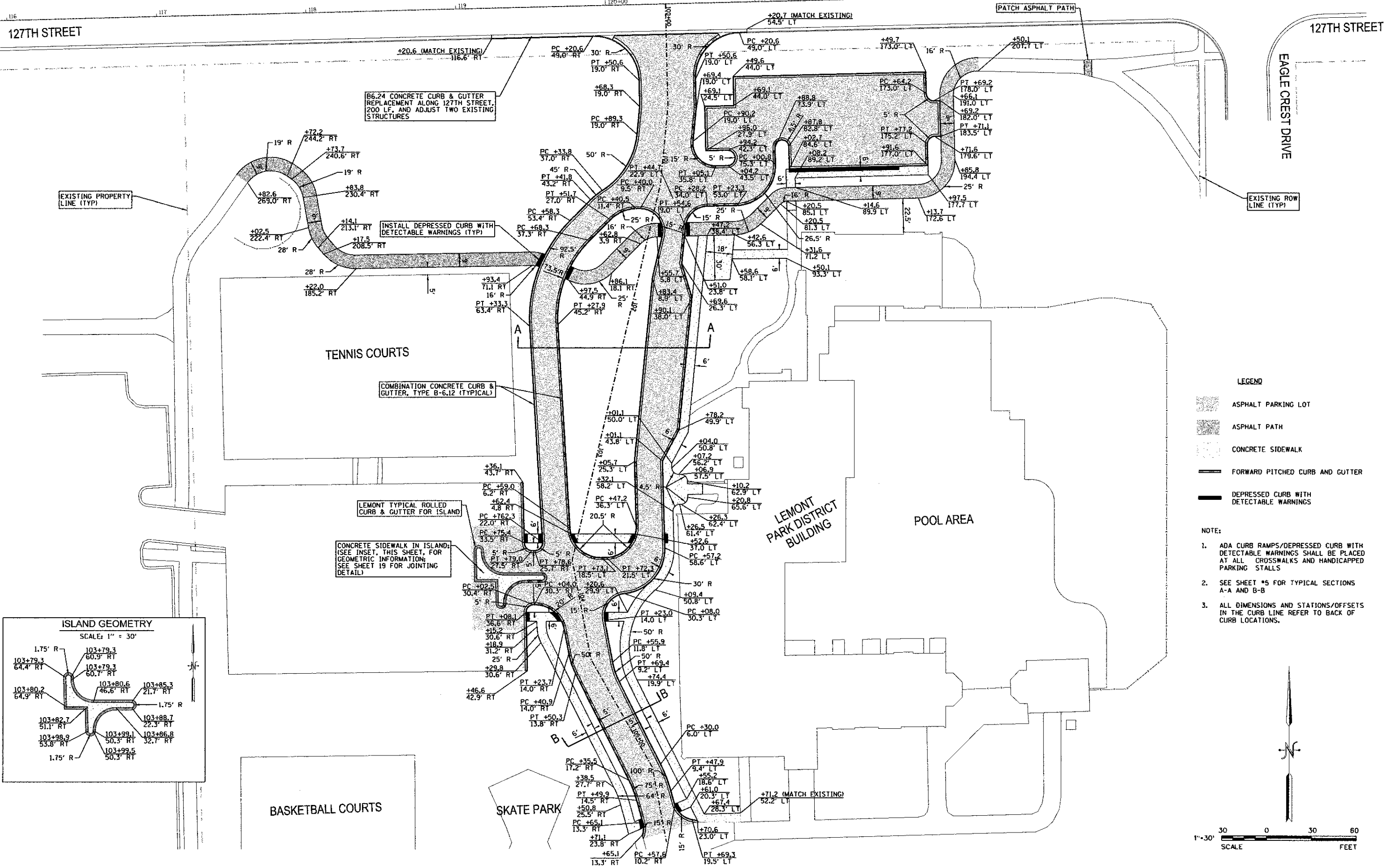
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DRAWN -	BR	REVISED -	2/4/13 PER IDOT
CHECKED -	BW	REVISED -	2/22/13 PER IDOT
DATE -		REVISED -	3/1/13 PER IDOT

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING CONDITIONS & DEMOLITION

SCALE: 1"=30' SHEET NO. 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1591	08-00043-00-BR	COOK	24	7
				CONTRACT NO. 63804
ILLINOIS FED. AID PROJECT				



EXISTING PROPERTY LINE (TYP)

EXISTING ROW LINE (TYP)

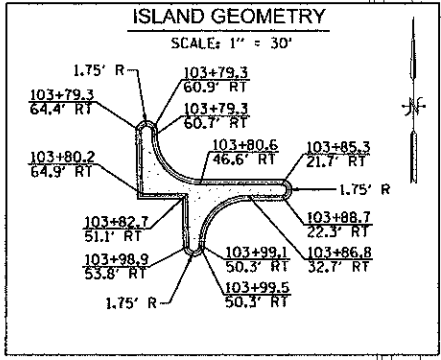
66.24 CONCRETE CURB & GUTTER REPLACEMENT ALONG 127TH STREET, 200 LF, AND ADJUST TWO EXISTING STRUCTURES

INSTALL DEPRESSED CURB WITH DETECTABLE WARNINGS (TYP)

COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (TYPICAL)

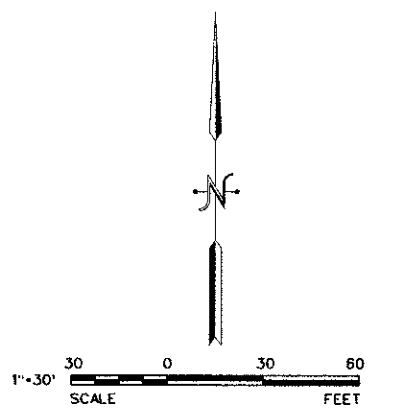
LEMONT TYPICAL ROLLED CURB & GUTTER FOR ISLAND

CONCRETE SIDEWALK IN ISLAND; (SEE INSET, THIS SHEET, FOR GEOMETRIC INFORMATION; SEE SHEET 19 FOR JOINTING DETAIL)



- LEGEND**
- ASPHALT PARKING LOT
 - ASPHALT PATH
 - CONCRETE SIDEWALK
 - FORWARD PITCHED CURB AND GUTTER
 - DEPRESSED CURB WITH DETECTABLE WARNINGS

- NOTE:**
1. ADA CURB RAMPS/DEPRESSED CURB WITH DETECTABLE WARNINGS SHALL BE PLACED AT ALL CROSSWALKS AND HANDICAPPED PARKING STALLS
 2. SEE SHEET #5 FOR TYPICAL SECTIONS A-A AND B-B
 3. ALL DIMENSIONS AND STATIONS/OFFSETS IN THE CURB LINE REFER TO BACK OF CURB LOCATIONS.



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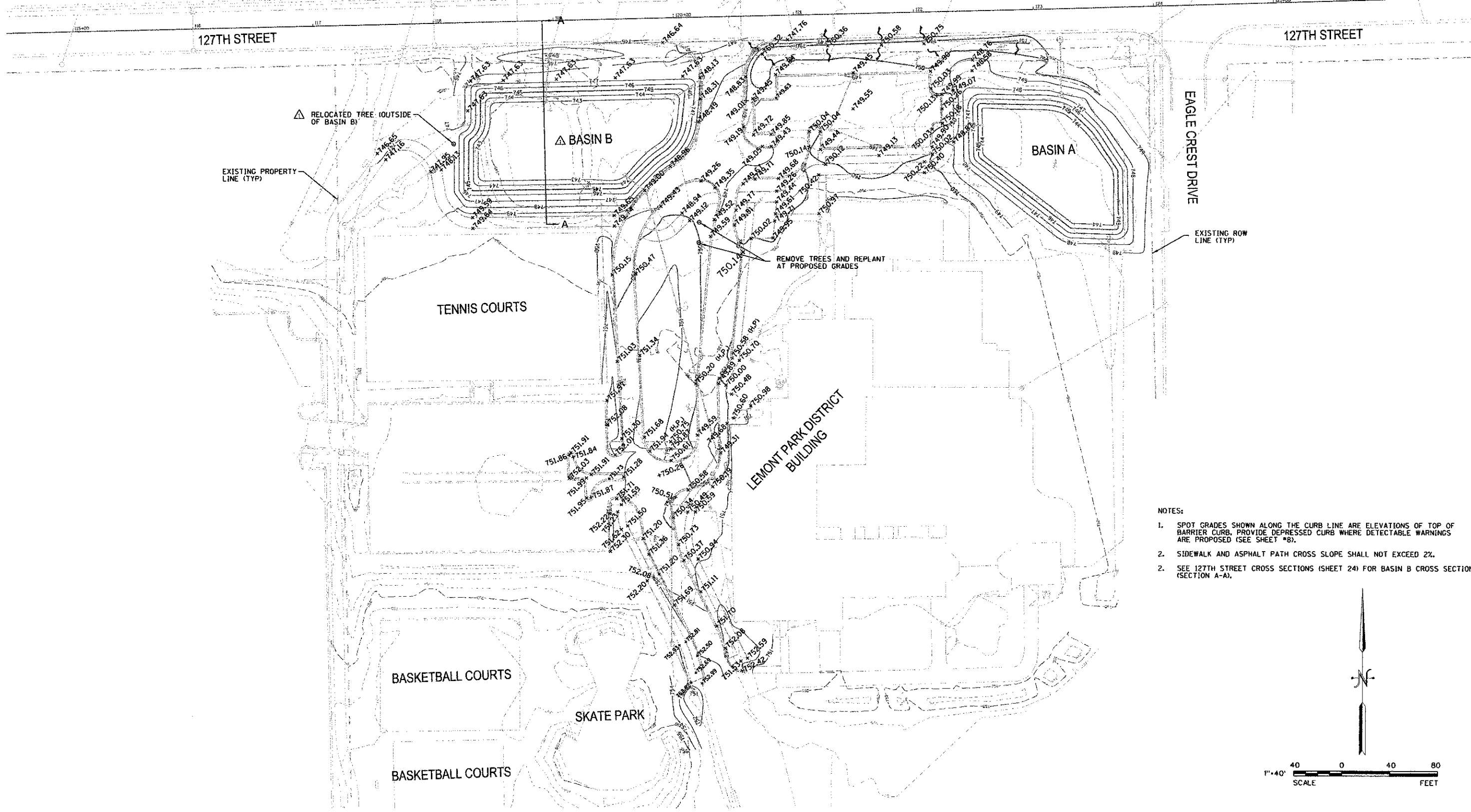
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DRAWN - BR	REVISED - 2/22/13 PER IDOT
CHECKED - BW	REVISED - 3/1/13 PER IDOT
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GEOMETRIC PLAN

SCALE: 1"=30' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 1591	SECTION 08-00043-00-BR	COUNTY COOK	TOTAL SHEETS 24	SHEET NO. 8
				CONTRACT NO. 63204
ILLINOIS FED. AID PROJECT				



△ RELOCATED TREE (OUTSIDE OF BASIN B)

EXISTING PROPERTY LINE (TYP)

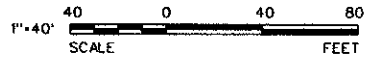
EAGLE CREST DRIVE

EXISTING ROW LINE (TYP)

REMOVE TREES AND REPLANT AT PROPOSED GRADES

NOTES:

1. SPOT GRADES SHOWN ALONG THE CURB LINE ARE ELEVATIONS OF TOP OF BARRIER CURB. PROVIDE DEPRESSED CURB WHERE DETECTABLE WARNINGS ARE PROPOSED (SEE SHEET #8).
2. SIDEWALK AND ASPHALT PATH CROSS SLOPE SHALL NOT EXCEED 2%.
2. SEE 127TH STREET CROSS SECTIONS (SHEET 24) FOR BASIN B CROSS SECTION (SECTION A-A).



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DESIGNED - BW	REVISED - 1/25/13 PER CCHD
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DATE -	REVISED - 3/1/13 PER IDOT

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GRADING PLAN

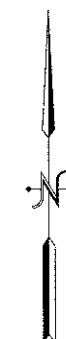
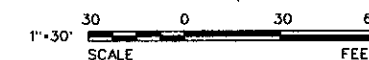
SCALE: 1"=40' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1591	08-00043-00-BR	COOK	24	9
				CONTRACT NO. 63804
ILLINOIS FED. AID PROJECT				

127TH STREET

127TH STREET

EAGLE CREST DRIVE



SITE DESCRIPTION:

1. CONSTRUCTION ACTIVITIES INCLUDE EARTHWORK, GRADING, PAVING TO CONSTRUCT/RELOCATE DETENTION FACILITIES, PAVEMENT AREAS INCLUDING PARKING LOT, ASPHALT PATH, AND CONCRETE SIDEWALK, AND STORM SEWERS.
2. THE OVERALL SITE IS APPROXIMATELY 14.85 ACRES WITH 3.17 ACRES BEING DISTURBED.
3. THE ESTIMATED RUNOFF COEFFICIENT OF THE SITE AFTER CONSTRUCTION ACTIVITIES IS 0.61.
4. THE STORMWATER RUNOFF FLOWS TO THE NORTH INTO ONE OF TWO DETENTION BASINS, ULTIMATELY BEING DISCHARGED INTO AN UNDEVELOPED LOT ON THE NORTH SIDE OF 127TH STREET.





SEQUENCE:

1. INSTALLATION OF SE/SC MEASURES
2. MASS GRADING
3. STABILIZE AREAS WITHIN WHICH NO ADDITIONAL IMPROVEMENTS ARE PROPOSED
4. CONSTRUCT PROPOSED UTILITY AND PARKING LOT IMPROVEMENTS
5. FINAL STABILIZATION

EROSION CONTROL NOTES:

1. EROSION CONTROL BLANKET SHALL BE INSTALLED IN ALL DISTURBED AREAS WITHIN COOK COUNTY HIGHWAY DEPARTMENT RIGHT OF WAY PRIOR TO FINAL LANDSCAPING.

LEGEND

-  FABRIC FILTER INLET PROTECTION
-  FURNISH & PLACE TOPSOIL, 4" SEEDING, CLASS 1 EROSION CONTROL BLANKET
-  FURNISH & PLACE TOPSOIL, 4" SODDING SEE EROSION CONTROL NOTE #1
-  SILT FENCE

EXISTING PROPERTY LINE (TYP)

TENNIS COURTS

EXISTING ROW LINE (TYP)

POOL AREA

LEMONT PARK DISTRICT BUILDING

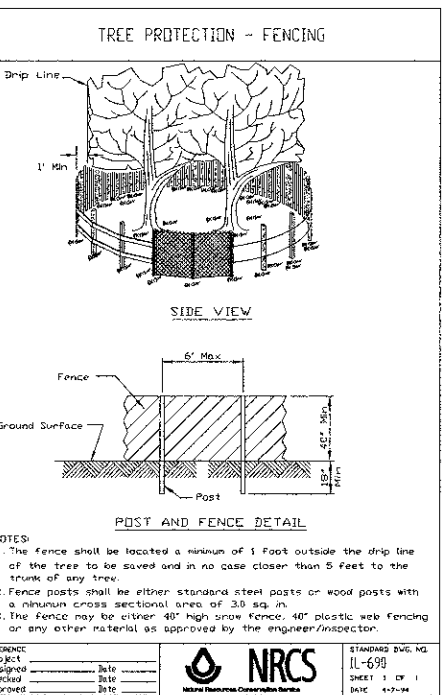
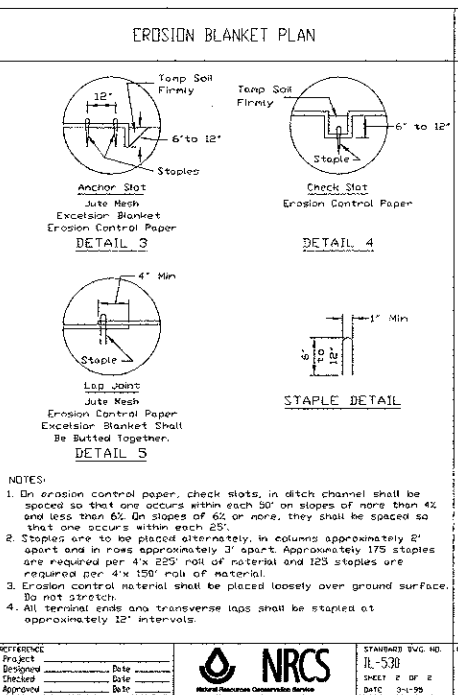
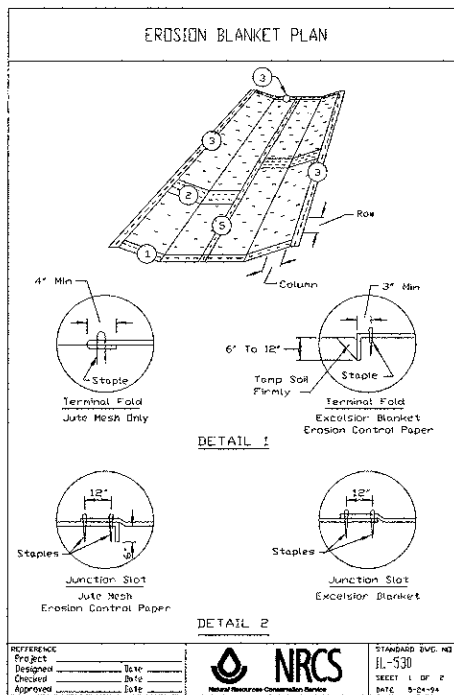
BASKETBALL COURTS

SKATE PARK

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

CONTRACTOR'S CERTIFICATION			SUB-CONTRACTOR		
SIGNATURE _____	TITLE _____	DATE _____	SIGNATURE _____	TITLE _____	DATE _____
COMPANY _____			COMPANY _____		
WITNESSED BY OWNER			SUB-CONTRACTOR		
SIGNATURE _____	TITLE _____	DATE _____	SIGNATURE _____	TITLE _____	DATE _____
COMPANY _____			COMPANY _____		



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITS FOR CONSTRUCTION SITE STORM WATER DISCHARGES

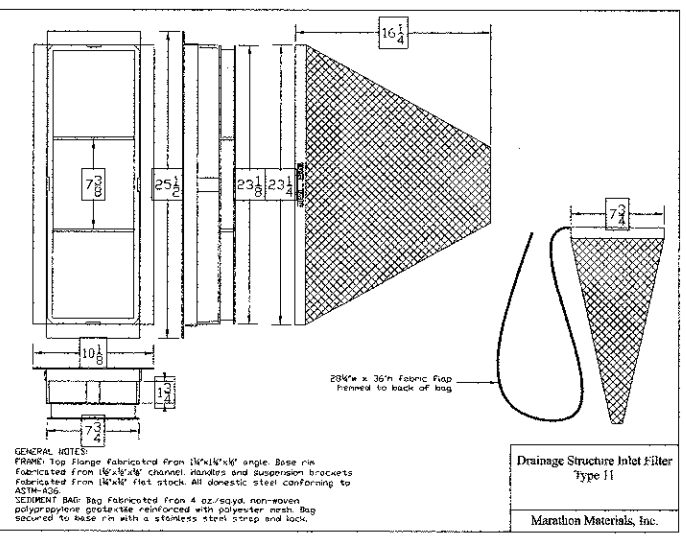
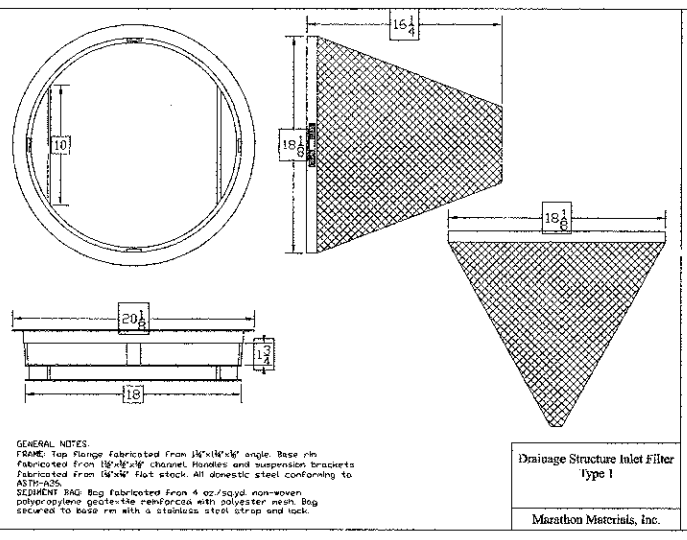
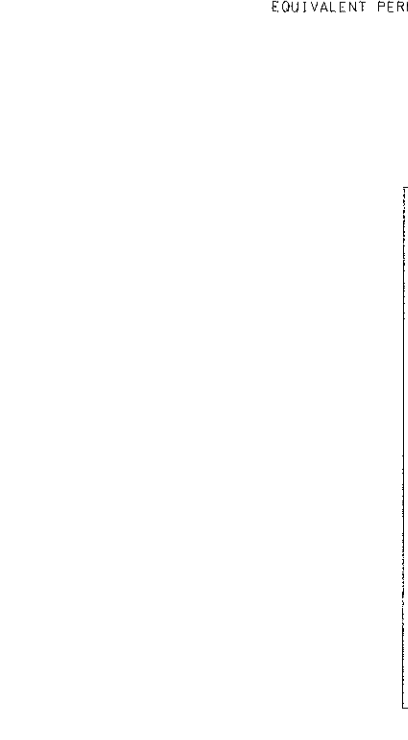
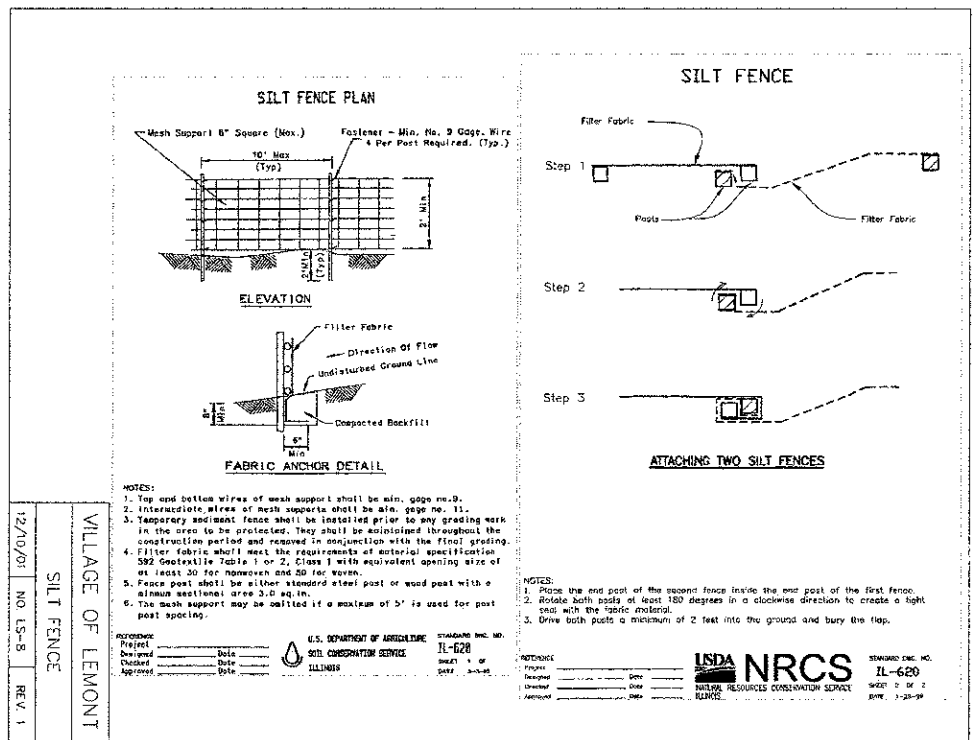
- ILLINOIS ENVIRONMENTAL PROTECTION AGENCY HAS ISSUED AN NPDES GENERAL PERMIT (NO. ILR10) FOR DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES. MAJOR FEATURES OF THE ILLINOIS PERMIT ARE:
- THE PERMIT CAN AUTHORIZE ALL DISCHARGES OF STORM WATER FROM CONSTRUCTION SITES ANYWHERE IN ILLINOIS REGARDLESS OF SIZE.
- THE PERMIT REQUIRES EACH CONSTRUCTION SITE TO HAVE A STORM WATER POLLUTION PREVENTION PLAN (EROSION AND SEDIMENTATION CONTROL PLAN) PRIOR TO THE START OF CONSTRUCTION.
- A COPY OF THE PLAN MUST BE MAINTAINED AT THE CONSTRUCTION SITE FROM THE DATE OF BEGINNING TO THE DATE OF FINAL STABILIZATION.
- PERMITTEE IS REQUIRED TO HAVE QUALIFIED PERSONNEL INSPECT DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED, HAVE STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OF RAIN OR GREATER OR AN EQUIVALENT SNOWFALL.
- PERMITTEE SHALL NOTIFY THE APPROPRIATE AGENCY FIELD OPERATIONS SECTION OFFICE BY EMAIL AT EPA.SWNONCOM@ILLINOIS.GOV, TELEPHONE, OR FAX WITHIN 24 HOURS OF ANY INCIDENT OF NONCOMPLIANCE FOR ANY VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN OBSERVED DURING ANY INSPECTION CONDUCTED, OR FOR VIOLATIONS OF ANY CONDITION OF THIS PERMIT. THE PERMITTEE SHALL COMPLETE AND SUBMIT WITHIN 5 DAYS AN "INCIDENT OF NONCOMPLIANCE" ("IOI") REPORT FOR ANY OBSERVED VIOLATION OF THE PLAN. SUBMISSION SHALL BE ON "IOI" FORM AND SHALL INCLUDE CAUSE OF NONCOMPLIANCE, ACTIONS TAKEN TO PREVENT FURTHER INCIDENTS OF NONCOMPLIANCE, AND A STATEMENT DETAILING ENVIRONMENTAL IMPACTS THAT MAY HAVE RESULTED FROM NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY AS DEFINED IN THE NPDES PERMIT NO. ILR10.
- THE STORM WATER POLLUTION PREVENTION PLAN, INSPECTION RECORDS AND RELATED INFORMATION SHALL BE RETAINED FOR AT LEAST THREE YEARS FROM THE DATE OF FINAL STABILIZATION.
- TO OBTAIN PERMIT COVERAGE, THE OPERATOR SHALL COMPLETE THE NOTICE OF INTENT ("NOI") FORM, SIGN IT, AND SEND THE ORIGINAL SIGNED COPY TO ILLINOIS EPA, UNLESS NOTIFIED BY THE AGENCY, PERMIT COVERAGE IS AUTOMATIC AND OPERATORS ARE AUTHORIZED TO DISCHARGE STORM WATER FROM THE SITE UNDER TERMS AND CONDITIONS OF THE PERMIT EITHER:
48 HOURS AFTER DATE "NOI" IS POSTMARKED, IF HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE WAS ESTABLISHED PRIOR TO SUBMITTAL OF THE "NOI"
OR
30 DAYS AFTER DATE "NOI" IS POSTMARKED, IF HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE WAS NOT ESTABLISHED PRIOR TO "NOI" SUBMITTAL.
- AFTER THE INITIAL CONTACT HAS BEEN MADE WITH THE APPROPRIATE FIELD OPERATIONS SECTION OFFICE, ALL REPORTS OF NONCOMPLIANCE SHALL BE MAILED TO THE AGENCY AT THE FOLLOWING ADDRESS:
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276
- THE AGENCY WILL CONFIRM COVERAGE AND PERMIT NUMBER BY LETTER ABOUT ONE WEEK AFTER AUTOMATIC COVERAGE TAKES EFFECT. A COPY OF THE LETTER SHALL BE POSTED AT THE SITE IN A PROMINENT PLACE FOR PUBLIC VIEWING.
- AFTER LAND DISTURBING ACTIVITIES ARE COMPLETE AND SITE HAS BEEN FINALLY STABILIZED, OPERATOR SHALL TERMINATE PERMIT COVERAGE BY COMPLETING A NOTICE OF TERMINATION ("NOT") FORM AND SUBMITTING IT TO THE AGENCY. USEPA CONSIDERS A SITE FINALLY STABILIZED WHEN ALL LAND DISTURBING ACTIVITIES ARE COMPLETE AND A UNIFORM PERENNIAL VEGETATION COVER OF 70% STABILIZATION HAS BEEN ESTABLISHED OR EQUIVALENT PERMANENT STABILIZATION MEASURES HAVE BEEN USED.

STORMWATER POLLUTION PREVENTION

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE APPROVED STORMWATER POLLUTION PREVENTION PLAN AND THE FOLLOWING STANDARD SPECIFICATIONS:
 - THE ILLINOIS URBAN MANUAL, USDA NATURAL RESOURCES CONSERVATION SERVICE (LATEST EDITION)
 - THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ILLINOIS DEPARTMENT OF TRANSPORTATION (LATEST EDITION)
- A COPY OF THE UP TO DATE STORMWATER POLLUTION PREVENTION PLAN AND SWPPP LOG BOOK SHALL BE MAINTAINED ON SITE AT ALL TIMES.
- PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY STORMWATER POLLUTION PREVENTION PLAN SHALL BE SUBMITTED BY THE CONTRACTOR TO THE OWNER FOR REVIEW BY THE VILLAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL STORMWATER POLLUTION CONTROL MEASURES NECESSARY TO PREVENT STORMWATER POLLUTION AS DETERMINED BY THE VILLAGE.
- ADDITIONAL PERIMETER SILT FENCE MAY BE NEEDED IN AREAS NOT SHOWN ON PLANS. CONTRACTOR SHALL MONITOR LIMITS OF PROJECT ON A REGULAR BASIS TO DETERMINE IF SUCH AREAS EXIST AND INSTALL ADDITIONAL SILT FENCE AS NEEDED.
- RUNOFF FROM DISTURBED AREAS SHALL NOT LEAVE THE SITE WITHOUT FIRST PASSING THROUGH STORMWATER POLLUTION PREVENTION MEASURES OR DEVICES.
- ALL APPROPRIATE STORMWATER POLLUTION PREVENTION MEASURES ARE TO BE IN PLACE BEFORE ANY EARTH DISTURBANCE BEGINS ON THE SITE.
- ALL STORMWATER POLLUTION PREVENTION MEASURES AND DEVICES SHALL BE INSPECTED OR AFTER ONE-HALF INCH OR MORE OF RAINFALL AND EVERY 7 DAYS AND REPAIRED OR REPLACED TO KEEP THE MEASURES AND DEVICES FUNCTIONING PROPERLY.
- EXCEPT AS PROVIDED IN PARAGRAPHS (A) AND (B) BELOW, THE SURFACE OF STIPED AREAS SHOULD BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED AS FOLLOWS:
 - WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES ON A PORTION OF THE SITE IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.
- STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS (AGGREGATE, LIMESTONE, ETC.) TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE FURNISHED WITH STORMWATER POLLUTION PREVENTION MEASURES. STOCKPILES OF SOIL TO REMAIN IN PLACE FOR MORE THAN 60 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING.
- ALL STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTERING DEVICES DURING CONSTRUCTION.
- WATER DISCHARGED DURING CONSTRUCTION DEWATERING SHALL BE FILTERED AND DISCHARGED USING MEASURES OR DEVICES TO DISSIPATE ENERGY AND REDUCE THE EROSION POTENTIAL OF THE DISCHARGE.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY. IF CONDITIONS ARE SUCH THAT THE MAJORITY OF SOIL IS NOT REMOVED WHEN VEHICLES TRAVEL OVER THE COARSE AGGREGATE, VEHICLE WASH DOWN FACILITIES SHALL BE PROVIDED.

STABILIZATION TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PERMANENT SEEDING												
BIO-SWALE SEEDING												
MULCHING												

NPDES PERMIT #	DATE SUBMITTED	DATE ISSUED



127TH STREET

127TH STREET

EAGLE CREST DRIVE

UTILITY CROSSINGS

- ① UTILITY CROSSING #1
12" RCP STORM SEWER CROSSING
EXISTING WATER MAIN
• SEE NOTE 2 •
- ② UTILITY CROSSING #2
12" RCP STORM SEWER CROSSING
EXISTING WATER MAIN
• SEE NOTE 2 •

BASIN B

BASIN A

TENNIS COURTS

SKATE PARK

EXISTING PROPERTY LINE (TYP)

EXISTING ROW LINE (TYP)

RELOCATED POWER POLE & ELECTRIC (BY OTHERS)

90° BEND

SUMMARY OF DETENTION FACILITY CHARACTERISTICS

DETENTION FACILITY	HWL			DETENTION STORAGE VOLUME (ACRE-FEET)		
	TO MEET REQUIREMENTS	DESIGN	AS-BUILT	REQUIRED	DESIGN	AS-BUILT
BASIN A	747.95	747.95		0.89	0.93	
BASIN B	746.63	746.63		1.07	1.13	

WATER SYSTEM STRUCTURES & PIPES

- FH-1 RELOCATE FIRE HYDRANT & ASSEMBLY
STA. 100+63.2, 177.5' LT
- FH-2 RELOCATE FIRE HYDRANT & ASSEMBLY
STA. 102+50.6, 112.6' LT
- WM-1 18 LF DIP CL 52 WATERMAIN
• SEE NOTE 1 •
- WM-2 2 LF DIP CL 52 WATERMAIN
• SEE NOTE 1 •
- WM-3 17 LF DIP CL 52 WATERMAIN
• SEE NOTE 1 •

SANITARY SYSTEM STRUCTURES

- SN-1 EXISTING MANHOLE
EX. RIM: 745.41
PR. RIM: 747.63

PIPE DRAIN STRUCTURES & PIPES

- YD-1 RELOCATE EXISTING PIPE DRAIN INLET
RIM: 750.85
148 LF PIPE DRAIN, 4" CORRUGATED PLASTIC
- YD-2 PIPE DRAIN HEADWALL
INV. 747.50
- YD-3 36 LF PIPE DRAIN, 4" CORRUGATED PLASTIC
CONNECT BETWEEN EXISTING PIPE DRAIN AND SS B-3

STORM SEWER STRUCTURES & PIPES

- SS A-1 RELOCATE EXISTING 24" REINFORCED CONCRETE FLARED END SECTION W/ GRATE
STA. 101+20.5, 533.1' LT
INV: 746.24
8 LF 24" RCP CLASS IV STORM SEWER @ 1.00%
- SS A-2 12" REINFORCED CONCRETE FLARED END SECTION W/ GRATE
STA. 100+69.8, 215.0' LT
INV: 743.95
8 LF 12" RCP CLASS IV STORM SEWER @ 2.00%
- SS A-3 ADJUST EXISTING MANHOLE CLOSED LID, TYPE I
EX. RIM: 745.34
PR. RIM: 746.80
PR. 12" RCP INV (E): 742.60
EX. 12" RCP INV (W): 742.60
EX. INV (S): UNKNOWN
- SS A-4 ADJUST EXISTING MANHOLE CLOSED LID, TYPE I
EX. RIM: 747.50
PR. RIM: 749.50
PR. 12" RCP INV (N): 744.23
PR. 12" RCP INV (S): 744.23
EX. INV (E): 742.06
EX. INV (W): 742.06
- SS A-5 RECONSTRUCT EXISTING MANHOLE
EX. RIM: 745.34
PR. RIM: 749.17
CLOSED LID, TYPE I - LOCATE FRAME & LID BEHIND CURB
PR. 12" RCP INV (NE): 745.50
EX. 12" RCP INV (E): 741.60
EX. 12" RCP INV (N): 741.58
REMOVE EXISTING 4" DIA. RESTRICTOR PLATE AND GROUT 5" DIA PVC PIPE, 2 LF, INTO RCP OUTLET PIPE (SEE DETAIL)
- SS A-6 INLET, TYPE A, 2' DIA, TYPE II FRAME AND OPEN GRATE
STA. 100+49.7, 108.5' LT
RIM: 748.95
12" RCP INV (S): 744.95
48 LF 12" RCP CLASS IV STORM SEWER @ 1.50%
- SS A-7 INLET, TYPE A, 2' DIA, NEENAH R-3437 FRAME (00211111) WITH ADA GRATE (00211033) (OR EQUIVALENT)
STA. 100+97.1, 130.8' LT
RIM: 748.95
12" RCP INV: 744.95
41 LF 12" RCP CL IV STORM SEWER @ 1.76%
- SS A-8 CATCH BASIN, TYPE C, 2' DIA, TYPE II FRAME AND OPEN GRATE
STA. 100+69.4, 26.0' LT
RIM: 748.95
12" RCP INV: 745.95
26 LF 12" RCP CLASS IV STORM SEWER @ 1.73%
- SS A-9 MANHOLE, TYPE A, 5' DIA, (OR EQUIVALENT)
RIM: 747.95
24" RCP INV: 743.70
49 LF 24" RCP CL IV STORM SEWER @ 1.00%
- SS A-10 MANHOLE, TYPE A, 5' DIA, TYPE I FRAME & CLOSED LID
STA. 100+25.8, 281.5' LT
RIM: 749.54
36" RCP INV (E,W): 741.15
24" RCP INV (S,W): 743.21
MANHOLE, TYPE A, 4' DIA, TYPE II FRAME & OPEN GRATE
STA. 105+36.3, 33.6' RT
RIM: 751.58
18" RCP INV (N): 746.66
15" RCP INV (S): 750.15
102 LF 18" RCP CLASS IV STORM SEWER @ 1.00%
- SS B-1 MANHOLE, TYPE A, 4' DIA, TYPE I FRAME & CLOSED LID
STA. 100+49.7, 108.5' LT
RIM: 748.95
12" RCP INV (S): 744.95
- SS B-2 40 LF 15" RCP CLASS IV STORM SEWER @ 1.70%
- SS B-3 MANHOLE, TYPE A, 4' DIA, TYPE II FRAME AND OPEN GRATE
STA. 103+57.4, 58.1' LT
RIM: 748.75
24" RCP INV (NW): 744.58
18" RCP INV (SW): 744.68
226 LF 24" RCP CLASS IV STORM SEWER @ 0.65%
- SS B-4 CATCH BASIN, TYPE A, 4' DIA, TYPE II FRAME AND OPEN GRATE
STA. 103+57.4, 58.1' LT
RIM: 748.75
24" RCP INV (NW): 744.58
18" RCP INV (SW): 744.68
20 LF 12" RCP CLASS IV STORM SEWER @ 1.65%
- SS B-5 MANHOLE, TYPE A, 4' DIA, TYPE II FRAME AND OPEN GRATE
STA. 101+58.6, 53.0' RT
RIM: 748.61
24" RCP INV (NW): 743.01
24" RCP INV (SE): 743.11
20 LF 24" RCP CLASS IV STORM SEWER @ 0.90%
- SS B-6 24" REINFORCED CONCRETE FLARED END SECTION W/ GRATE
STA. 101+50.7, 70.4' LT
INV: 742.83
10 LF 12" RCP CLASS IV STORM SEWER @ 1.00%
- SS B-7 RELOCATE EXISTING FLARED END SECTION
STA. 100+82.6, 146.8' RT
INV: 742.63
- SS B-8 MANHOLE, TYPE A, 5' DIA, NEENAH R-3437 FRAME & OPEN GRATE (OR EQUIVALENT)
STA. 100+52.9, 146.8' RT
RIM: 746.63
12" RCP INV (N): 742.43
12" RCP INV (S): 742.53
GROUT 5" DIA. PVC PIPE, 2 LF, INTO SOUTH (INFLOW) 12" PIPE (SEE DETAIL)
- SS B-9 CATCH BASIN, TYPE A, 4' DIA, TYPE I FRAME AND OPEN GRATE
STA. 100+29.0, 144.1' RT
RIM: 744.93
CONNECT EX. 12" INV (NE): 742.10
PR. 12" RCP INV (S): 742.10
- SS C-1 CATCH BASIN, TYPE A, 4' DIA, TYPE II FRAME AND OPEN GRATE
STA. 100+50.6, 18.5' RT
RIM: 747.63
12" RCP INV (NW, SW): 743.07
- SS C-2 12" REINFORCED CONCRETE FLARED END SECTION W/ GRATE
STA. 100+73.0, 40.6' RT
INV: 742.88

NOTES:

- SIZE OF EXISTING WATERMAIN IS UNKNOWN. CONTRACTOR TO FIELD VERIFY SIZE OF EXISTING PRIOR TO ORDERING MATERIALS.
- CONTRACTOR SHALL PRE-EXCAVATE EXISTING UTILITIES WHERE PROPOSED WATER OR SEWER IS CROSSING. VERIFY SIZE AND ELEVATION OF EXISTING. WATERMAIN SHALL BE ADJUSTED AS NECESSARY TO PROVIDE A MINIMUM OF 18" VERTICAL SEPARATION. PROVIDE 16" PVC C-900 CASING WHERE REQUIRED. NOTIFY ENGINEER OF ANY CONFLICTS.

1"=30'
SCALE
FEET

ESI CONSULTANTS, LTD
1079 W. MILL STREET, SUITE 109
NAPERVILLE, IL 60563
(630) 490-1700
WWW.ESI-IL.COM
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003895

DESIGNED - BW	REVISED - 1/25/13 PER CCHD
DRAWN - BR	REVISED - 2/4/13 PER IDOT
CHECKED - BW	REVISED - 2/22/13 PER IDOT
DATE -	REVISED - 3/1/13 PER IDOT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE & UTILITY PLAN

SCALE: 1"=30'

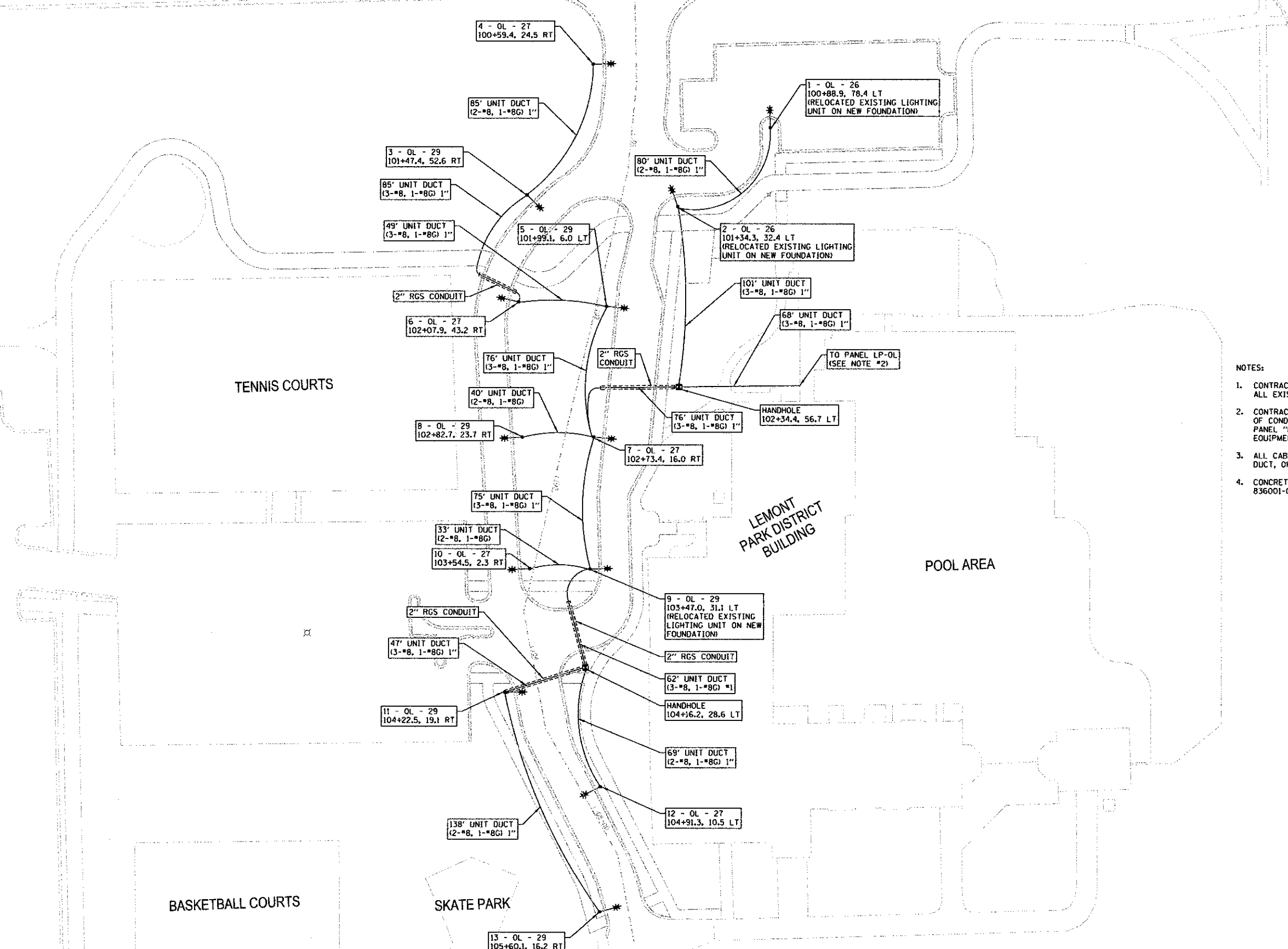
SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 1591	SECTION 08-00043-00-BR	COUNTY COOK	TOTAL SHEETS 24	SHEET NO. 12
ILLINOIS FED. AID PROJECT				CONTRACT NO. 63804

127TH STREET

127TH STREET

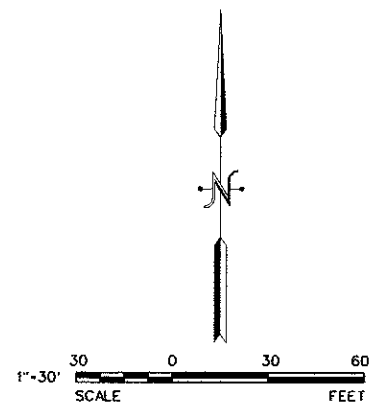
EAGLE CREST DRIVE



NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING LOCATION OF ALL EXISTING LIGHTING FACILITIES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE ROUTING OF CONDUITS IN THE BUILDING TO CONNECT TO EXISTING LIGHTING PANEL "LP-OL", PANEL LOCATED IN LOWER LEVEL ELECTRICAL EQUIPMENT ROOM.
3. ALL CABLE SHALL BE 600V, XLP TYPE USE, IN POLYETHELENE UNIT DUCT, OF THE NUMBER AND DIAMETER SPECIFIED.
4. CONCRETE FOUNDATIONS SHALL BE IN ACCORDANCE WITH STANDARD 836001-02.

FIXTURE DESIGNATION
 X - XX - XX
 FIXTURE* CABINET* CIRCUIT*



ESI CONSULTANTS, LTD
 1979 N. MILL STREET, SUITE 100
 NAPERVILLE, IL 60563
 (630) 423-7700
 WWW.ESITD.COM
 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003685

DESIGNED - BW	REVISED - 02/22/13
DRAWN - BR	REVISED -
CHECKED - BW	REVISED -
DATE -	REVISED -

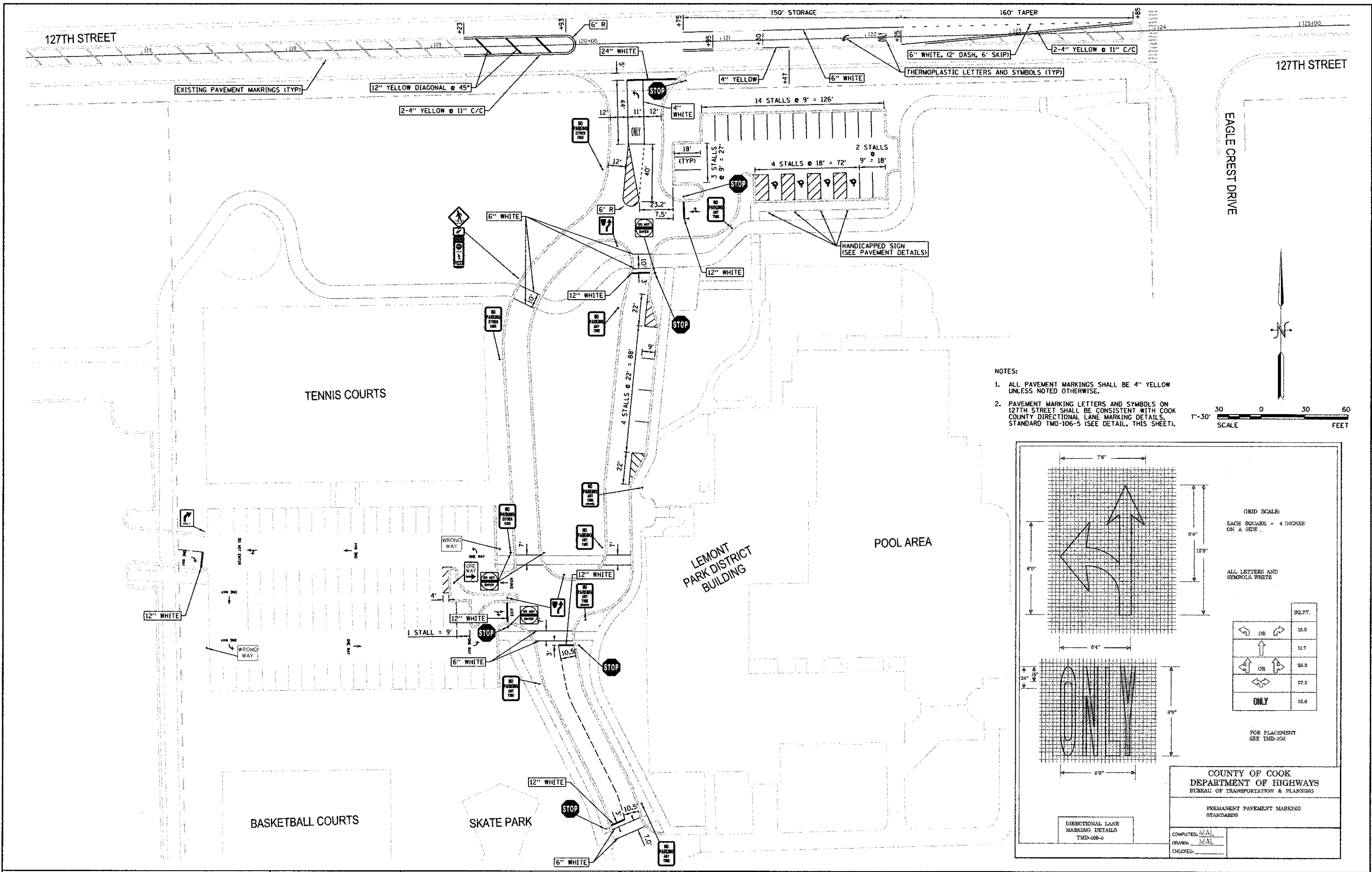
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN

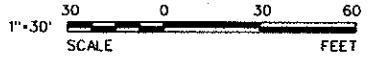
SCALE: 1"=30' SHEET NO. 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1591	08-00043-00-BR	COOK	24	13
				CONTRACT NO. 63804

ILLINOIS FED. AID PROJECT



- NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE 4" YELLOW UNLESS NOTED OTHERWISE.
 2. PAVEMENT MARKING LETTERS AND SYMBOLS ON 127TH STREET SHALL BE CONSISTENT WITH COOK COUNTY DIRECTIONAL LANE MARKING DETAILS, STANDARD TMD-106-5 (SEE DETAIL, THIS SHEET).



GRID SCALE:
EACH SQUARE = 4 INCHES
ON A SIDE

ALL LETTERS AND
SYMBOLS WHITE

↩ OR ↪	30.0
↑	11.7
↙ OR ↘	27.2
ONLY	22.6

FOR PLACEMENT
SEE TMD-106

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS
BUREAU OF TRANSPORTATION & PLANNING

PERMANENT PAVEMENT MARKING
STANDARDS

COMPUTED: MAL
DRAWN: MAL
CHECKED: _____

ESI CONSULTANTS, LTD
1879 N. MILL STREET SUITE 100
NAPERVILLE, IL 60563
(630) 400-1700
WWW.ESILTD.COM
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-009685

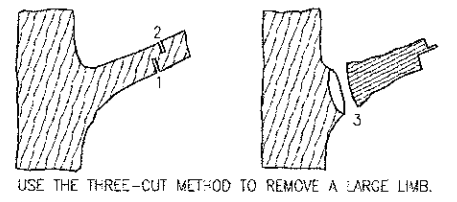
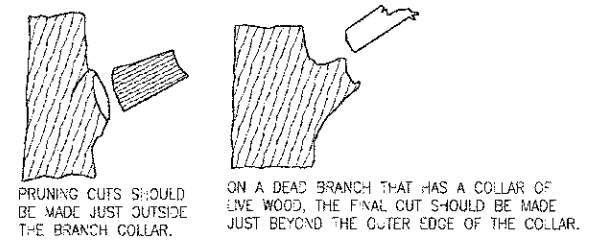
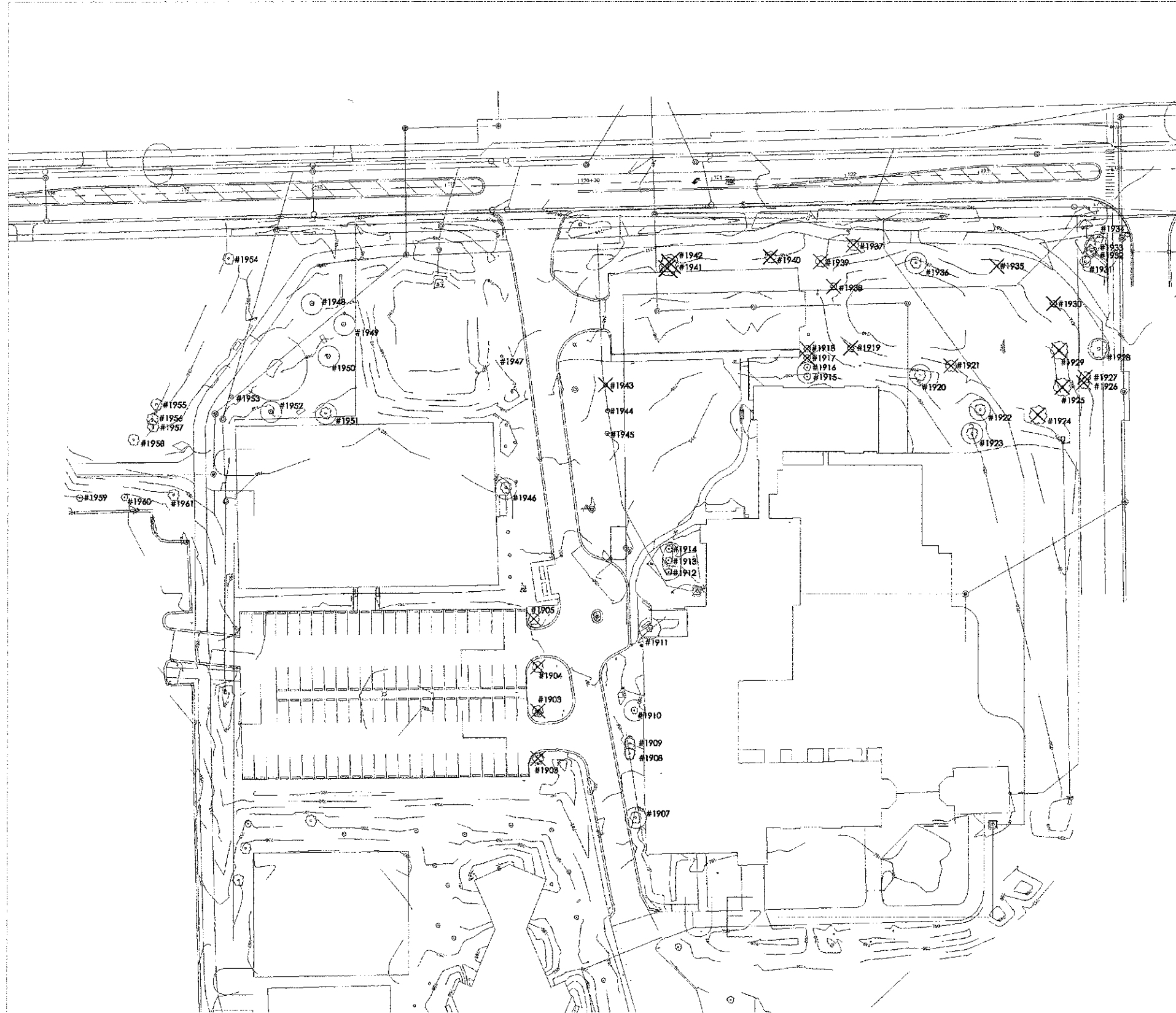
DESIGNED - BW	REVISED - 2/4/13 PER IDOT
DRAWN - BR	REVISED - 3/1/13 PER IDOT
CHECKED - BW	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING & STRIPING PLAN

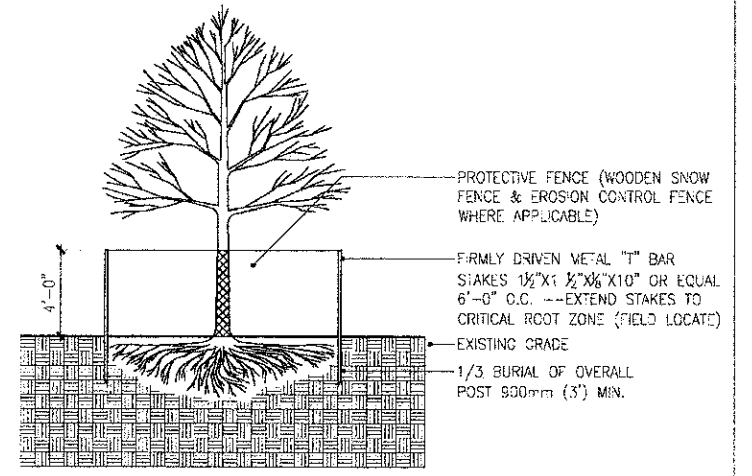
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F.A.P. RTE. 1591	SECTION 08-00043-00-8R	COUNTY COOK	TOTAL SHEETS 24	SHEET NO. 14
ILLINOIS FED. AID PROJECT				CONTRACT NO. 63204



NOTE:
PRUNING TO BE CONDUCTED BY AN ISA CERTIFIED ARBORIST

MATURE TREE PRUNING
SCALE: NTS



TREE PROTECTION FENCE
SCALE: NTS

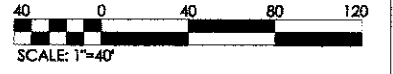
X = TREE TO BE REMOVED

[Square symbol] = TREE PROTECTION FENCING



NORTH
SURVEY INFORMATION PROVIDED BY OTHERS.

Design Perspectives, Inc.
Grounded in Creativity



ESI CONSULTANTS, LTD
1879 N. MILL STREET, SUITE 100
MAPERVILLE, IL 60563
(630) 426-1700
WWW.ESI.IL.TD.COM
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003665

DESIGNED - BW	REVISED - 2/4/13 PER 100T
DRAWN - BR	REVISED - 2/22/13
CHECKED - BW	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TREE PRESERVATION PLAN

SCALE: 1"=30' SHEET NO. 1 OF 2 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1591	08-00043-00-BR	COOK	24	15
ILLINOIS FED. AID PROJECT				63304

Tree Identification Table						
Tag#	Scientific	Species	DBH	Condition	Comments	Action
1905	<i>Fraxinus spp.</i>	Ash	10.5"	3	Susceptible to EAB	Removed
1904	<i>Fraxinus spp.</i>	Ash	13"	1	Priority Removal-Major split	Removed
1905	<i>Fraxinus spp.</i>	Ash	12.5"	3	Susceptible to EAB	Removed
1906	<i>Fraxinus spp.</i>	Ash	14.5"	3	Susceptible to EAB	Removed
1907	<i>Pyrus spp.</i>	Ornamental Pear	13"	3	-	Preserved at their present location
1908	<i>Pyrus spp.</i>	Ornamental Pear	10.5"	3	Leaning to the NE	Preserved at their present location
1909	<i>Pyrus spp.</i>	Ornamental Pear	13"	3	-	Preserved at their present location
1910	<i>Malus spp.</i>	Crabapple	8"	3	Multi-stem tree	Preserved at their present location
1911	<i>Amelanchier spp.</i>	Servicberry	6"	3	Single-stem tree	Preserved at their present location
1912	<i>Malus spp.</i>	Crabapple	8"	2	Trunk wound SW side	Preserved at their present location
1913	<i>Malus spp.</i>	Crabapple	7"	2	Basal wound S side	Preserved at their present location
1914	<i>Malus spp.</i>	Crabapple	7"	3	-	Preserved at their present location
1915	<i>Crataegus spp.</i>	Hawthorn	10"	2	Cedar-Apple Rust Infection	Preserved at their present location
1916	<i>Crataegus spp.</i>	Hawthorn	8"	2	Cedar-Apple Rust Infection	Preserved at their present location
1917	<i>Crataegus spp.</i>	Hawthorn	5"	2	Cedar-Apple Rust Infection	Removed
1918	<i>Crataegus spp.</i>	Hawthorn	7"	2	Cedar-Apple Rust Infection	Removed
1919	<i>Acer rubrum</i>	Red Maple	7"	3	-	Removed
1920	<i>Quercus palustris</i>	Pin Oak	17"	4	-	Preserved at their present location
1921	<i>Quercus rubra</i>	Red Oak	12"	4	-	Removed
1922	<i>Quercus rubra</i>	Red Oak	14"	4	-	Preserved at their present location
1923	<i>Acer platanoides</i>	Norway Maple	10"	1	Leaning to the E. Root plate heaving	Preserved at their present location
1924	<i>Quercus rubra</i>	Red Oak	12"	4	-	Removed
1925	<i>Quercus rubra</i>	Red Oak	11"	4	-	Removed
1926	<i>Quercus alba</i>	White Oak	5.5"	3	-	Removed
1927	<i>Quercus alba</i>	White Oak	5"	3	-	Removed
1928	<i>Quercus alba</i>	White Oak	30.5"	2	Trunk wound NE side	Preserved at their present location
1929	<i>Quercus rubra</i>	Red Oak	10"	3	-	Removed
1930	<i>Quercus rubra</i>	Red Maple	9"	2	Trunk wound W side	Removed
1931	<i>Quercus macrocarpa</i>	Bur Oak	17.5"	3	Corrugated plastic at base	Preserved at their present location
1932	<i>Quercus rubra</i>	Red Oak	13"	3	Corrugated plastic at base	Preserved at their present location
1933	<i>Corya ovata</i>	Shagbark Hickory	8"	4	-	Preserved at their present location
1934	<i>Quercus macrocarpa</i>	Bur Oak	15"	3	Corrugated plastic at base	Preserved at their present location
1935	<i>Malus spp.</i>	Crabapple	2"	3	Recommend transplanting	Removed
1936	<i>Quercus rubra</i>	Red Oak	10"	3	Trunk scar SW side	Preserved at their present location
1937	<i>Quercus rubra</i>	Red Oak	15"	3	-	Removed
1938	<i>Acer rubrum</i>	Red Maple	7"	3	-	Removed
1939	<i>Picea spp.</i>	Spruce	8"	3	-	Removed
1940	<i>Picea spp.</i>	Spruce	9"	3	-	Removed

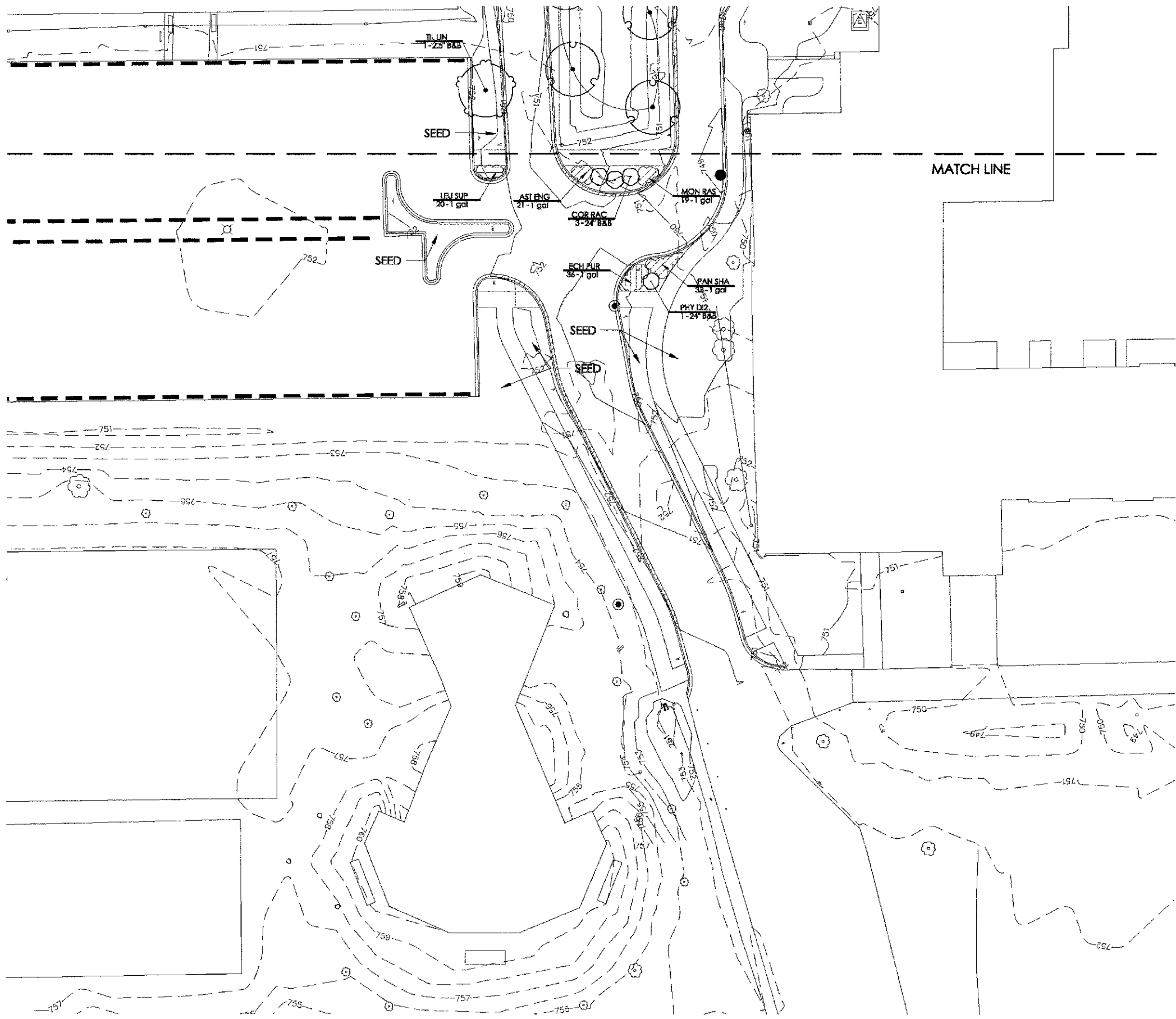
Tag#	Scientific	Species	DBH	Condition	Comments	Action
1941	<i>Populus deltoides</i>	Cottonwood	20.5"	3	-	Removed
1942	<i>Populus deltoides</i>	Cottonwood	21"	2	Visible hollow on S side	Removed
1943	<i>Malus spp.</i>	Crabapple	2"	3	Recommend transplanting	Removed
1944	<i>Betula nigra</i>	River Birch	11"	3	Multi-stem tree	Adjust to proposed grades
1945	<i>Malus spp.</i>	Crabapple	2"	3	-	Adjust to proposed grades
1946	<i>Acer ginnala</i>	Amur Maple	90"	2	Multi-stem tree, remove fabric	Preserved at their present location
1947	<i>Betula nigra</i>	River Birch	8"	3	Multi-stem tree, recommend transplanting	Removed
1948	<i>Betula nigra</i>	River Birch	3"	3	-	Preserved at their present location
1949	<i>Taxodium distichum</i>	Bald Cypress	2.5"	3	-	Relocate & adjust to proposed grade
1950	<i>Crataegus spp.</i>	Hawthorn	3"	3	Memorial Tree-Kenneth King	Preserved at their present location
1951	<i>Acer ginnala</i>	Amur Maple	32"	3	Multi-stem tree	Preserved at their present location
1952	<i>Pyrus spp.</i>	Ornamental Pear	4"	3	Memorial Tree-A. Vasiliopoulos	Preserved at their present location
1953	<i>Betula nigra</i>	River Birch	9"	3	Multi-stem tree	Preserved at their present location
1954	<i>Quercus alba</i>	White Oak	22"	3	Remove fabric	Preserved at their present location
1955	<i>Robinia pseudoacacia</i>	Black Locust	12"	3	-	Preserved at their present location
1956	<i>Robinia pseudoacacia</i>	Black Locust	14"	3	-	Preserved at their present location
1957	<i>Robinia pseudoacacia</i>	Black Locust	18"	1	Co-dominant stems split	Preserved at their present location
1958	<i>Quercus rubra</i>	Red Oak	16"	3	-	Preserved at their present location
1959	<i>Fraxinus spp.</i>	Ash	8"	2	Susceptible to EAB, nylon twine	Preserved at their present location
1960	<i>Fraxinus spp.</i>	Ash	8"	2	Susceptible to EAB, nylon twine	Preserved at their present location
1961	<i>Fraxinus spp.</i>	Ash	10"	2	Susceptible to EAB, nylon twine	Preserved at their present location

Survey Conducted by Stan Holat on 2-27-2012: ISA Certified Arborist (IL4450A)

Tree Removal Table				
Tag#	Scientific	Species	DBH	2.5" Caliper Tree Replacement
1903	<i>Fraxinus spp.</i>	Ash	10.5"	2
1904	<i>Fraxinus spp.</i>	Ash	13"	3
1905	<i>Fraxinus spp.</i>	Ash	12.5"	3
1906	<i>Fraxinus spp.</i>	Ash	14.5"	3
1917	<i>Crataegus spp.</i>	Hawthorn	5"	0
1918	<i>Crataegus spp.</i>	Hawthorn	7"	0
1919	<i>Acer rubrum</i>	Red Maple	7"	0
1921	<i>Quercus rubra</i>	Red Oak	12"	2
1924	<i>Quercus rubra</i>	Red Oak	12"	2
1925	<i>Quercus rubra</i>	Red Oak	11"	2
1926	<i>Quercus alba</i>	White Oak	5.5"	0
1927	<i>Quercus alba</i>	White Oak	5"	0
1928	<i>Quercus rubra</i>	Red Oak	10"	2
1930	<i>Quercus rubra</i>	Red Maple	9"	2
1935	<i>Malus spp.</i>	Crabapple	2"	0
1937	<i>Quercus rubra</i>	Red Oak	15"	3
1938	<i>Acer rubrum</i>	Red Maple	7"	0
1939	<i>Picea spp.</i>	Spruce	8"	2
1940	<i>Picea spp.</i>	Spruce	9"	2
1941	<i>Populus deltoides</i>	Cottonwood	20.5"	0
1942	<i>Populus deltoides</i>	Cottonwood	21"	0
1943	<i>Malus spp.</i>	Crabapple	2"	0
1947	<i>Betula nigra</i>	River Birch	8"	2
Total				30

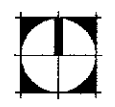
TOTAL NUMBER OF REPLACEMENT TREES REQUIRED: 30
TOTAL NUMBER OF SHADE TREES PROVIDED: 36



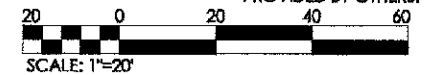


PLANT SCHEDULE

TREES	QTY	BOTANICAL/COMMON	CONT	REMARKS
ACE FRE	7	Acer freemanii 'Jeffersred' TM / Autumn Blaze Maple	2.5' B&B	
ACE STR	16	Acer niyabei 'State Street' / State Street Maple	2.5' B&B	
CAR HIC	6	Carya ovata / Shagbark Hickory	2.5' B&B	
CAT SPE	2	Catalpa speciosa / Northern Catalpa	2.5' B&B	
CER CAN	4	Cercis canadensis / Eastern Redbud	2.5' B&B	
COR GLO	9	Cornus mas 'Golden Glory' / Golden Glory Cornelian Cherry	2.5' B&B	
PSE DOU	13	Pseudotsuga menziesii / Douglas Fir	8' B&B	
QUE RUB	1	Quercus rubra / Red Oak	2.5' B&B	
TIL LIN	4	Tilia americana / American Linden	2.5' B&B	
SHRUBS	QTY	BOTANICAL/COMMON	CONT	REMARKS
CAR DAR	5	Caryopteris clandestina 'Dark Knight' / Blue Mist Shrub	18' B&B	
COR RAC	10	Cornus racemosa 'Gray' / Gray Dogwood	24' B&B	
COR KE2	13	Cornus sericea 'Kelsey' / Kelsey Dwarf Dogwood	18' B&B	
PHY DI2	10	Physocarpus opulifolius 'Diabolo' / Diabolo Ninebark	24' B&B	
SYR MIS	14	Syringa patula 'Miss Kim' / Miss Kim Lilac	24' B&B	
VIB LUS	8	Viburnum dentatum 'Chicago Luster' / Chicago Luster Arrowwood	24' B&B	
VIB ERI	15	Viburnum dilatatum 'Erie' / Erie Linden Viburnum	24' B&B	
WEI WIN	35	Weigela florida 'Wine & Roses' TM / Alexandra Weigela	18' B&B	
GROUND COVERS	QTY	BOTANICAL/COMMON	CONT	REMARKS
AST ENG	119	Aster novae-angliae / New England Aster	1 gal @ 18" oc	
ECH PUR	180	Echinacea purpurea / Purple Coneflower	1 gal @ 18" oc	
ERY YUC	39	Eryngium yuccifolium / Ratlesnake Master	1 gal @ 18" oc	
EUC COL	629	Euonymus fortunei 'Colorata' / Purple-leaf Winter Creeper	flat @ 12" oc	
LEU SUP	159	Leucanthemum superbum 'Snowcap' / Snowcap Shasta Daisy	1 gal @ 18" oc	
MON RAS	64	Monarda didyma 'Raspberry Wine' / Raspberry Wine Bee Balm	1 gal @ 18" oc	
PAN SHA	376	Panicum virgatum 'Shenandoah' / Burgundy/Red Switch Grass	1 gal @ 18" oc	
SED JAM	86	Sedum spectabile 'Vera Jameson'	1 gal @ 18" oc	
SEED	65,000 SF	Blue Grass Fescue Rye Seed Mix with Blanket		



NORTH
SURVEY INFORMATION
PROVIDED BY OTHERS.



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NAPERVILLE, IL 60563
(630) 433-7100
WWW.ESILTD.COM
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003893

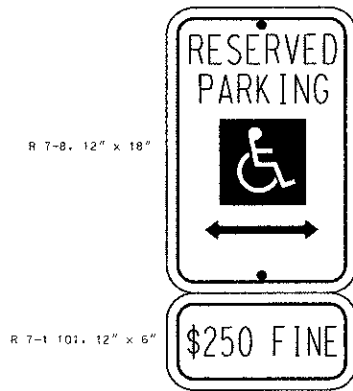
DESIGNED - BW	REVISED - 2/4/13 PER IDOT
DRAWN - BR	REVISED -
CHECKED - BW	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

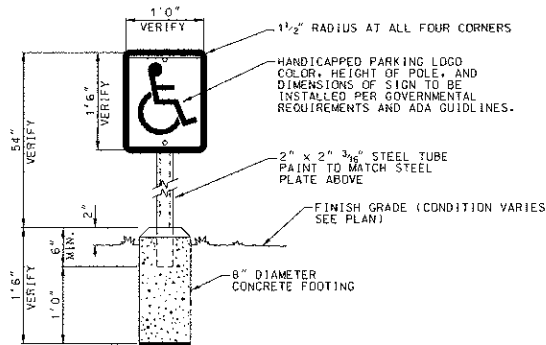
LANDSCAPE PLAN

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1591	08-00043-00-BR	COOK	24	18
ILLINOIS FED. AID PROJECT				CONTRACT NO. 63804

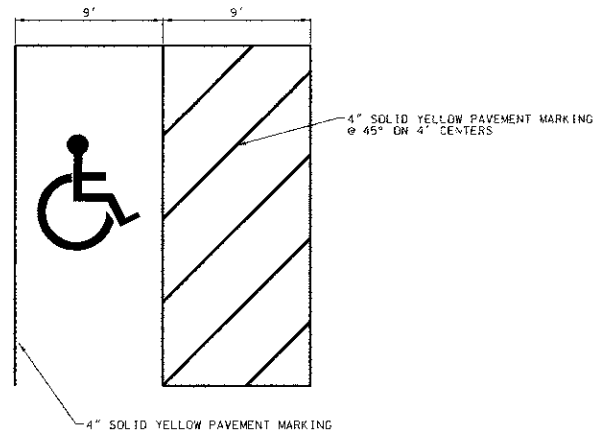


HANDICAPPED PARKING SIGN

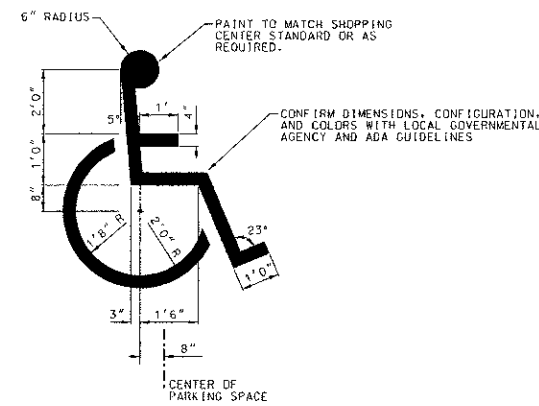


- NOTES:**
1. SIGNS SHOULD BE PROPERLY CENTERED AT FRONT OF PARKING SPACE.
 2. SIGN FACE SHOULD BE LOCATED NO FURTHER THAN 6 FEET FROM THE FRONT OF EACH PARKING SPACE WITH A MINIMUM 3'-0" CLEAR.
 3. MOUNT SIGN ON COLUMN OR WALL AT SIM. CONDITION.
 4. WHERE SIGN IS PLACED IN PAVED AREA AT PARKING STALLS PROVIDE PRECAST BUMPERS.

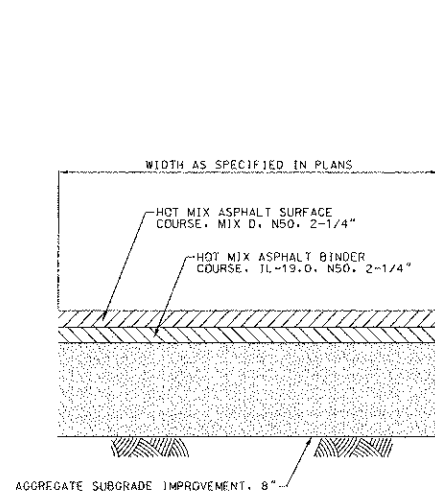
HANDICAPPED PARKING SIGN & POST



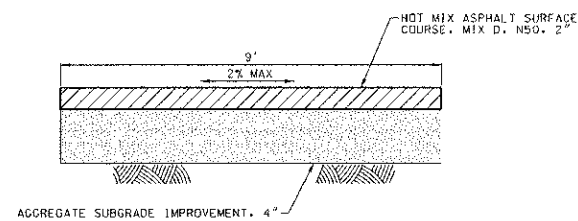
HANDICAPPED PARKING STALL



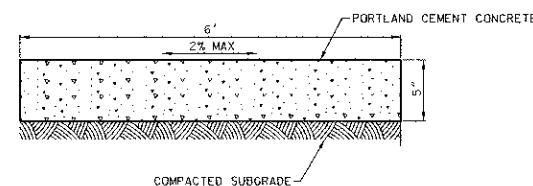
HANDICAPPED PARKING SYMBOL



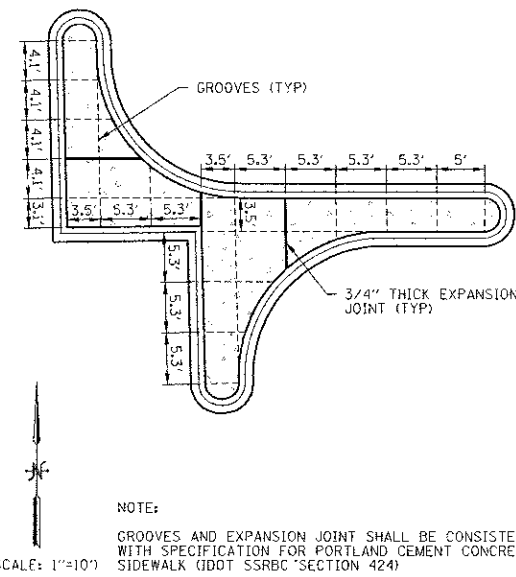
PARKING LOT PAVEMENT



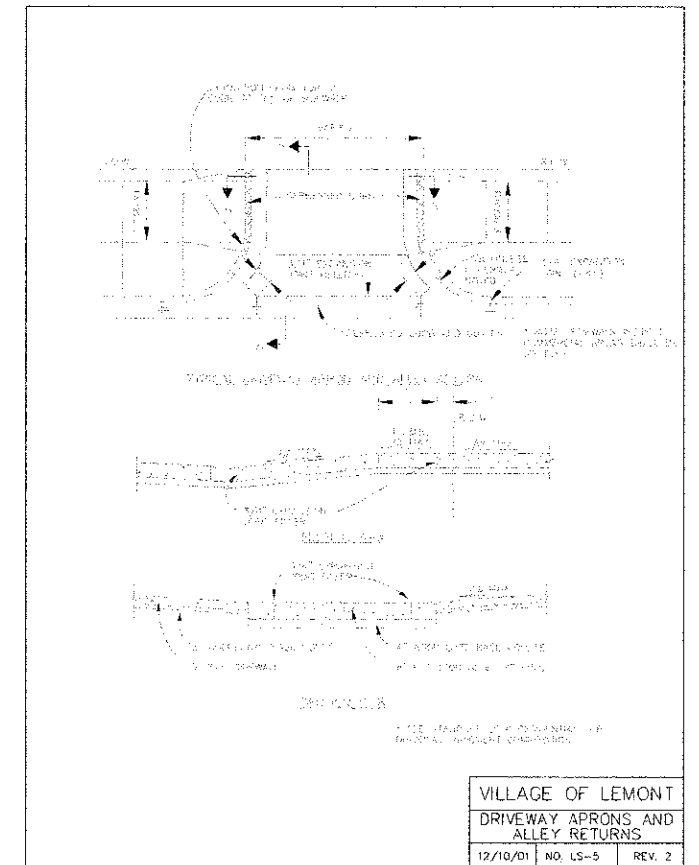
ASPHALT PATH



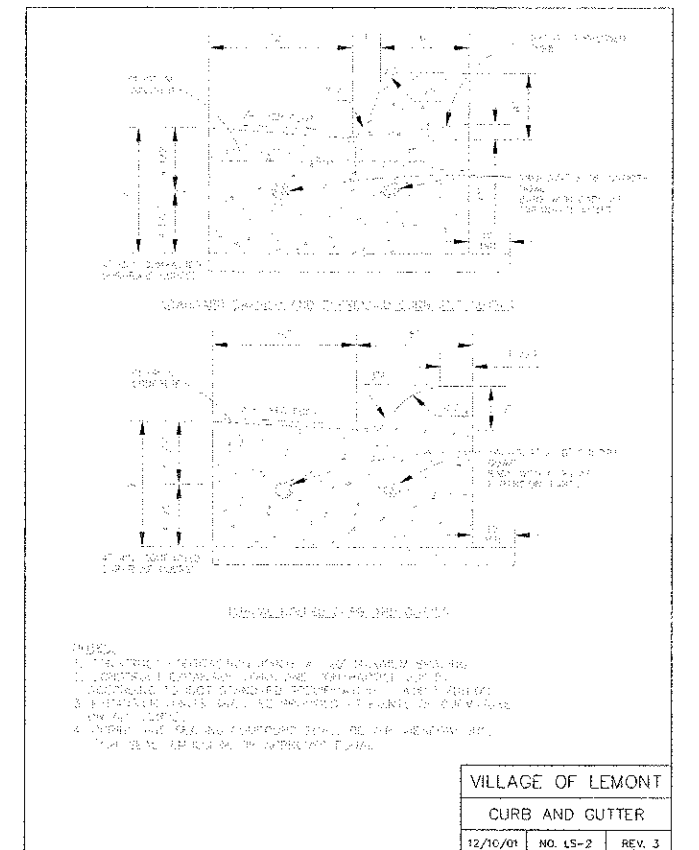
CONCRETE SIDEWALK



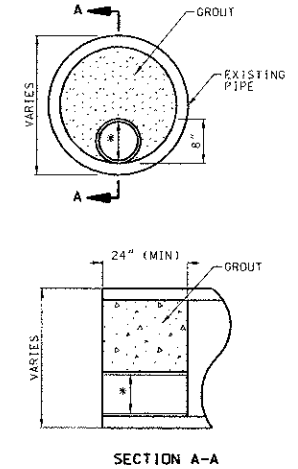
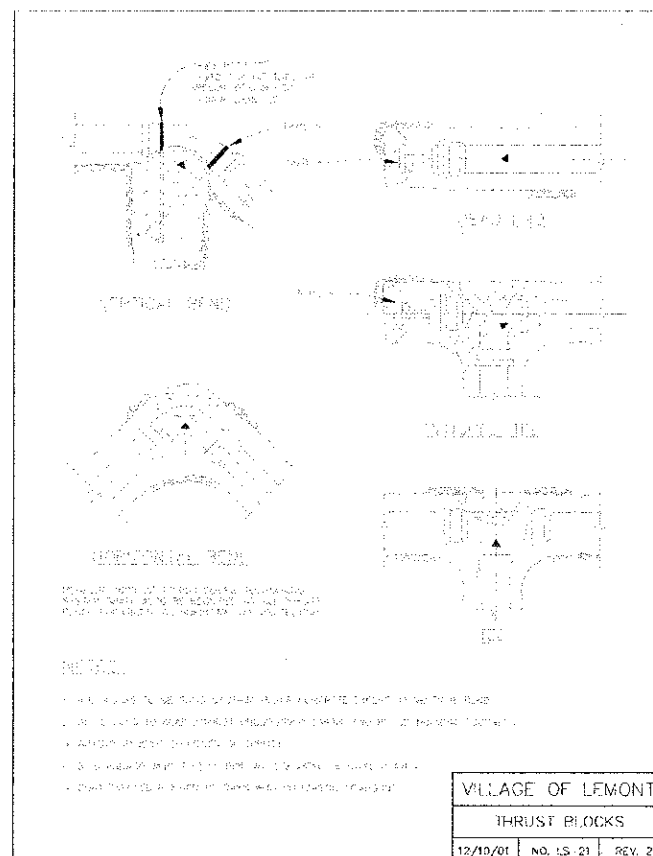
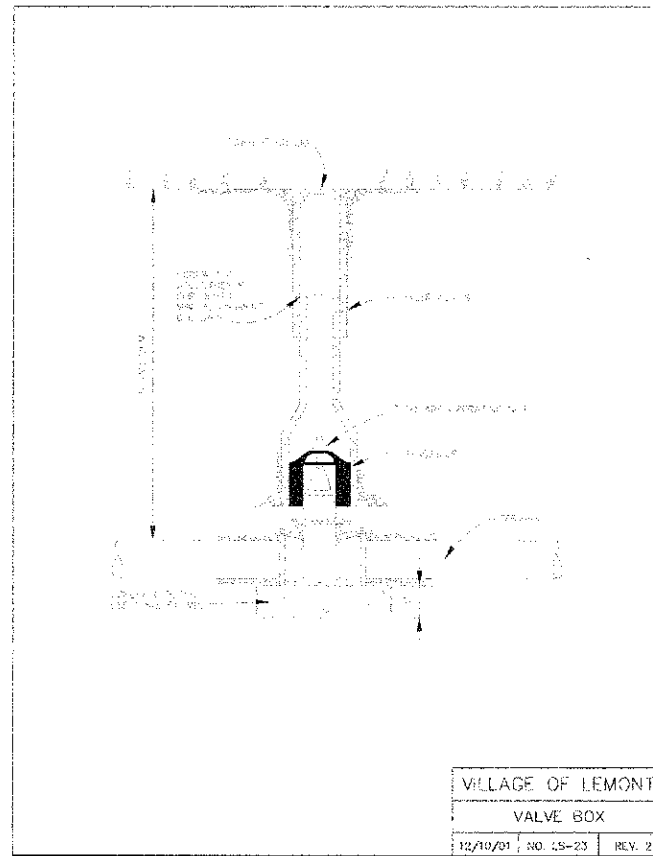
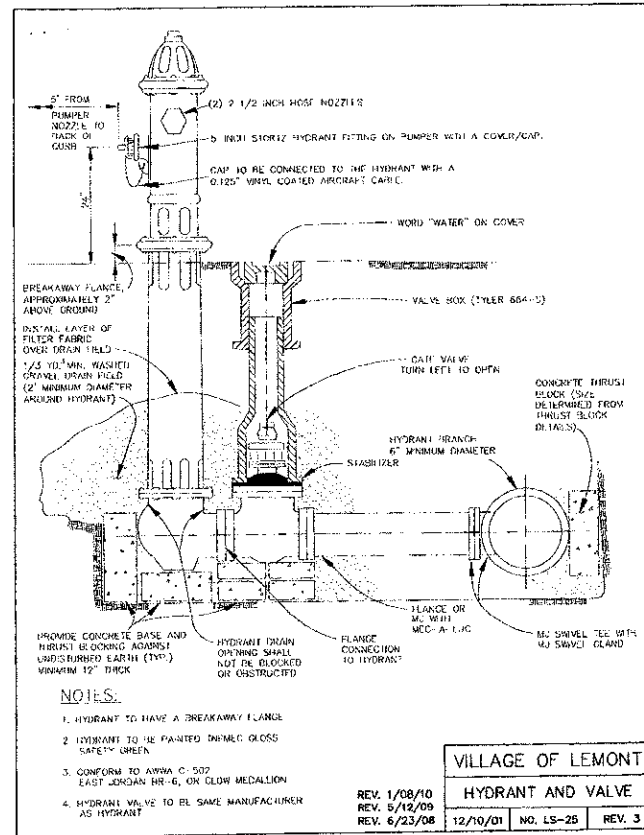
EAST ISLAND CONCRETE JOINTING PLAN



**VILLAGE OF LEMONT
DRIVEWAY APRONS AND
ALLEY RETURNS**
12/10/01 NO. LS-5 REV. 2

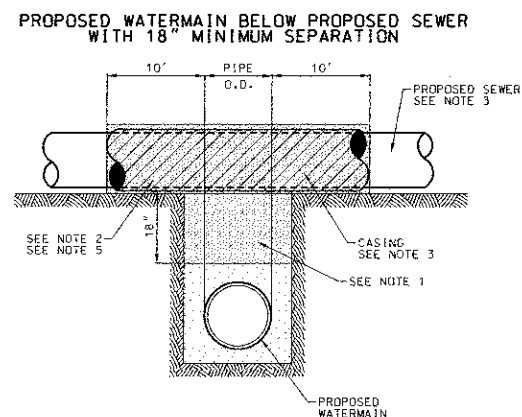


**VILLAGE OF LEMONT
CURB AND GUTTER**
12/10/01 NO. LS-2 REV. 3



* ALL REVISED RESTRICTORS SHALL BE PVC, SCHEDULE 40 SEE UTILITY PLAN FOR SIZE & ELEVATION

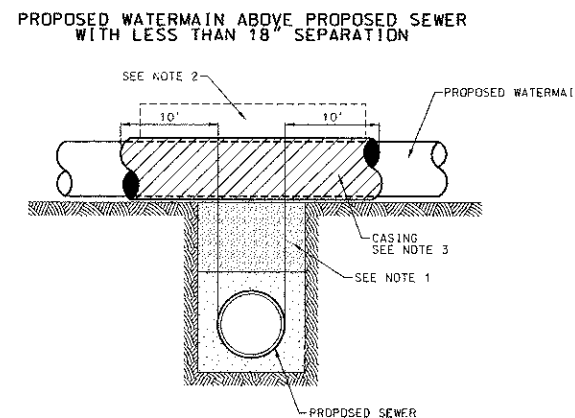
RESTRICTOR DETAIL



NOTES:

- IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
- OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER THE TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF WATERMAIN.
- CONSTRUCT 10 FEET OF PROPOSED SEWER AND WATERMAIN MATERIAL AND PRESSURE TEST OR USE 10 FEET OF CASING FOR PROPOSED SEWER AND SEAL ENDS OF CASING.
- POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATERMAIN.
- PROVIDE ADEQUATE SUPPORT FOR EXISTING WATERMAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

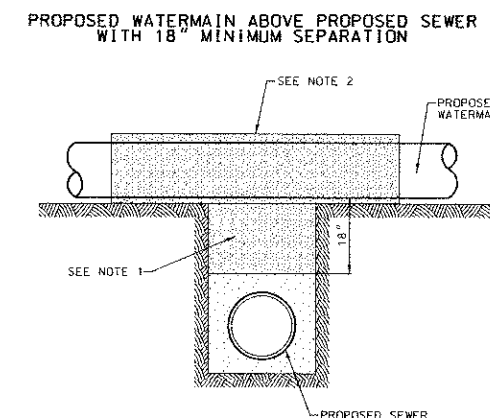
WATER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)



NOTES:

- IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
- OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER THE TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF SEWER.
- USE 10 FEET OF CASING FOR PROPOSED WATERMAIN AND SEAL ENDS OF CASING.
- POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATERMAIN OR WATERMAIN CASING AND SEWER.

WATER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

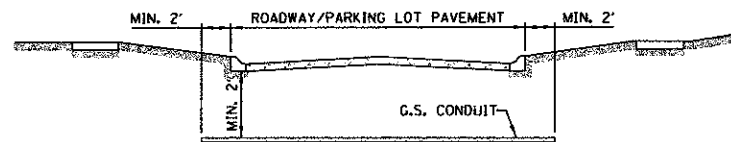


- IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
- OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER THE TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF SEWER.

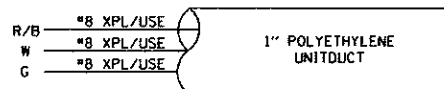
WATER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

DESIGNED - BW	REVISED - 2/4/13 PER IDOT
DRAWN - BR	REVISED -
CHECKED - BW	REVISED -
DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1591	08-00043-00-BR	COOK	24	20
				CONTRACT NO. 63804
ILLINOIS FED. AID PROJECT				



PAVEMENT CROSSING
DETAIL



TYPICAL UNIDUCT
CROSS SECTION

LIGHTING FIXTURE SCHEDULE

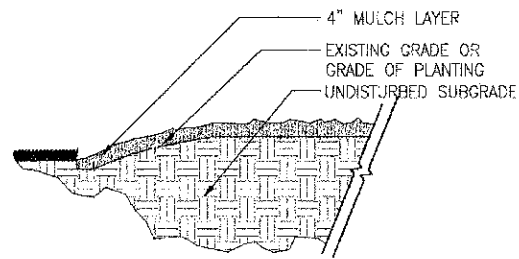
SYMBOL	LABEL	DESCRIPTION	LAMP	VOLTAGE	LUMENS	MOUNTING	NOTES
	L1	CAST AND SPUN ALUMINUM HOUSING WITH CLEAR TEMPERED, FLAT GLASS LENS, TYPE III DISTRIBUTION, FULL CUT-OFF, COLOR: White	250 WATT Metal Halide	120 V	12,000	20 FOOT CAST ALUMINUM POLE, WITH 6" MOUNTING ARM (White)	FIXTURE: McGraw-Edison Credenza ZDG-AM-250-MH-120-3F-WH OR APPROVED EQUAL. POLE: Cooper Streetworks RSAS20NA OR APPROVED EQUAL (White)

STREET LIGHTING

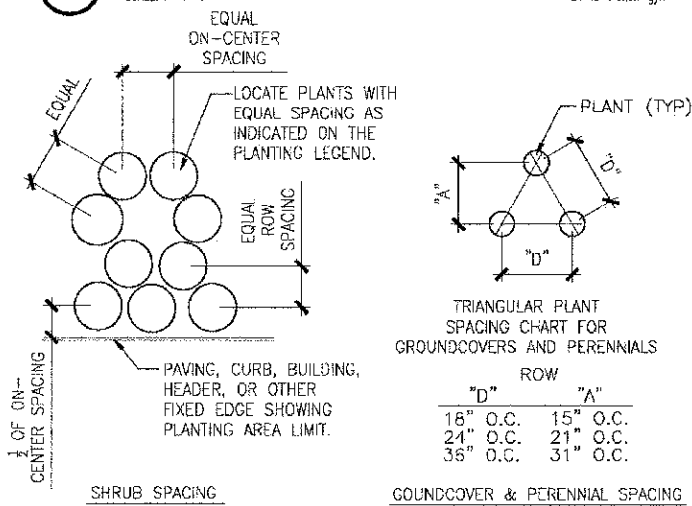
- CONCRETE CURB AND GUTTER SHALL BE INSTALLED TO ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS OF ILLINOIS DEPARTMENT OF TRANSPORTATION.
- 200 WATT METAL HALIDE SHALL BE INSTALLED IN ALL POLES. POLES SHALL BE 20 FEET HIGH. MOUNTING ARM SHALL BE 6 INCHES CENTER TO CENTER. POLES SHALL BE 20 FEET ON CENTER. ALL POLES SHALL BE 20 FEET ON CENTER. ALL POLES SHALL BE 20 FEET ON CENTER.
- POLE FOUNDATION SHALL BE INSTALLED TO ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS OF ILLINOIS DEPARTMENT OF TRANSPORTATION.
- ALL CONDUIT JOINTS OF CONDUIT AND 2 INCH DIA. SHALL BE INSTALLED TO ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS OF ILLINOIS DEPARTMENT OF TRANSPORTATION.
- ALL CONDUIT SHALL BE INSTALLED TO ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS OF ILLINOIS DEPARTMENT OF TRANSPORTATION.
- ALL CONDUIT SHALL BE INSTALLED TO ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS OF ILLINOIS DEPARTMENT OF TRANSPORTATION.

VILLAGE OF LEMONT
STREET LIGHTING
12/10/01 NO. LS-80 REV. 3

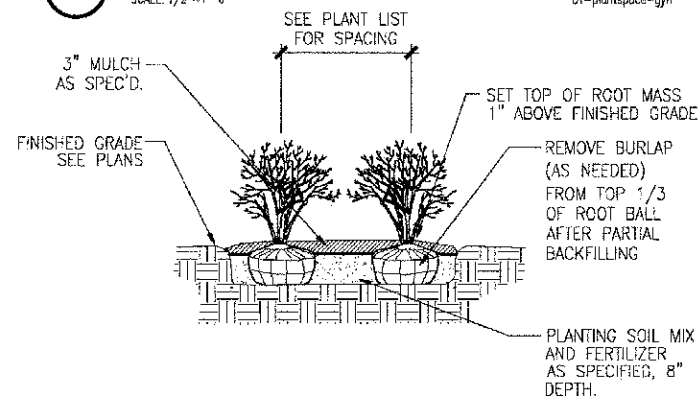
- NOTES:
 1. TRENCH EDGE DETAIL SHALL BE USED AT ALL LAWN EDGES AND AT EDGES OF MULCHED AREAS (FOR CONTAINMENT)
 2. TRENCH EDGE SHALL CREATE A CLEAN SEPARATION BETWEEN AREAS, AND SHALL CREATE SMOOTH AND EVEN LINES (AS INDICATED ON PLANS)



1 TRENCH EDGE DETAIL
 SCALE: 1"=1'-0" DT-trench-gyn

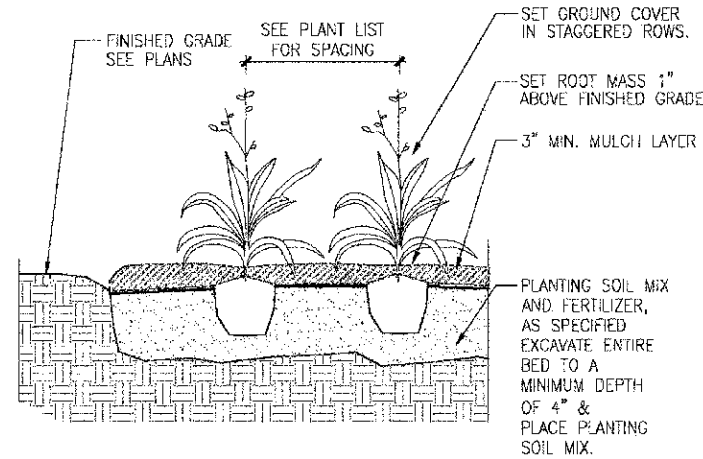


4 PLANT SPACING DETAIL
 SCALE: 1/2"=1'-0" DT-plant-space-gyn

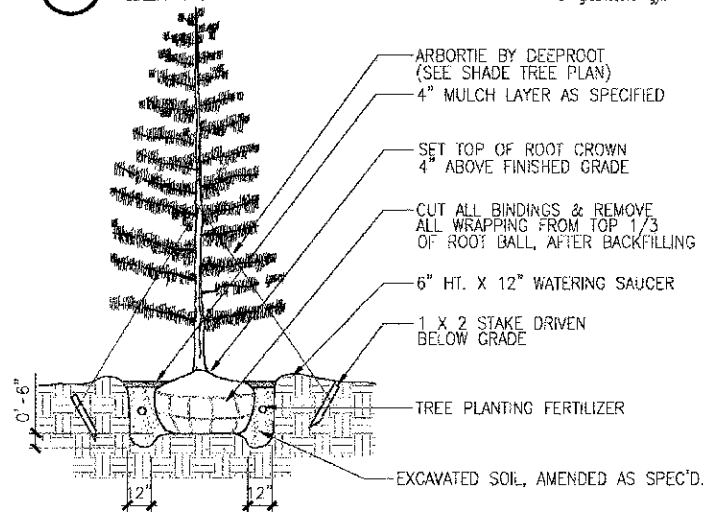


ALL PLANTS TO BE INSTALLED IN STAGGERED ROWS UNLESS OTHERWISE NOTED ON PLANS

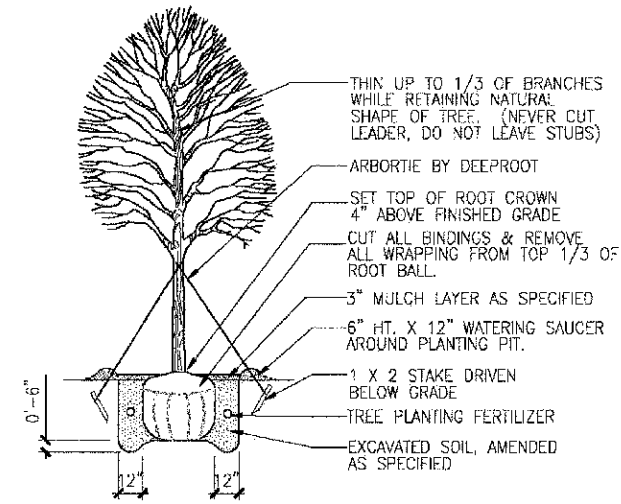
7 SHRUB PLANTING DETAIL
 SCALE: 1/2"=1'-0" DT-shrub-gyn



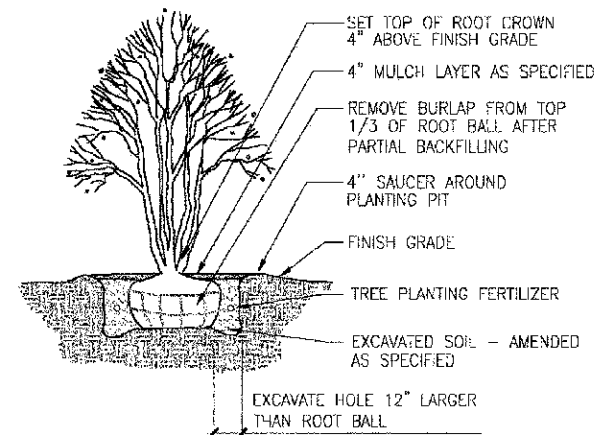
2 GROUNDCOVER PLANTING
 SCALE: 1"=1'-0" DT-groundcover-gyn



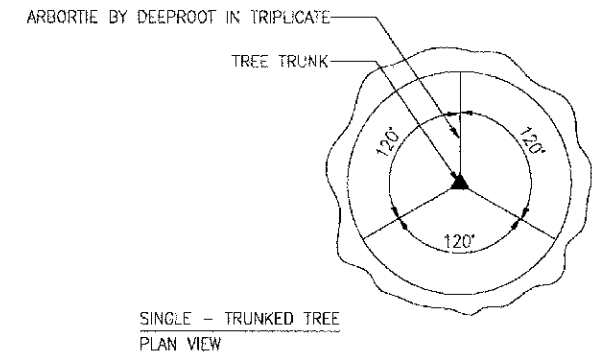
5 EVERGREEN TREE PLANTING
 SCALE: 1/4"=1'-0" DT-evergreen-gyn



3 SHADE TREE PLANTING
 SCALE: 1/4"=1'-0" DT-tree-wire-gyn

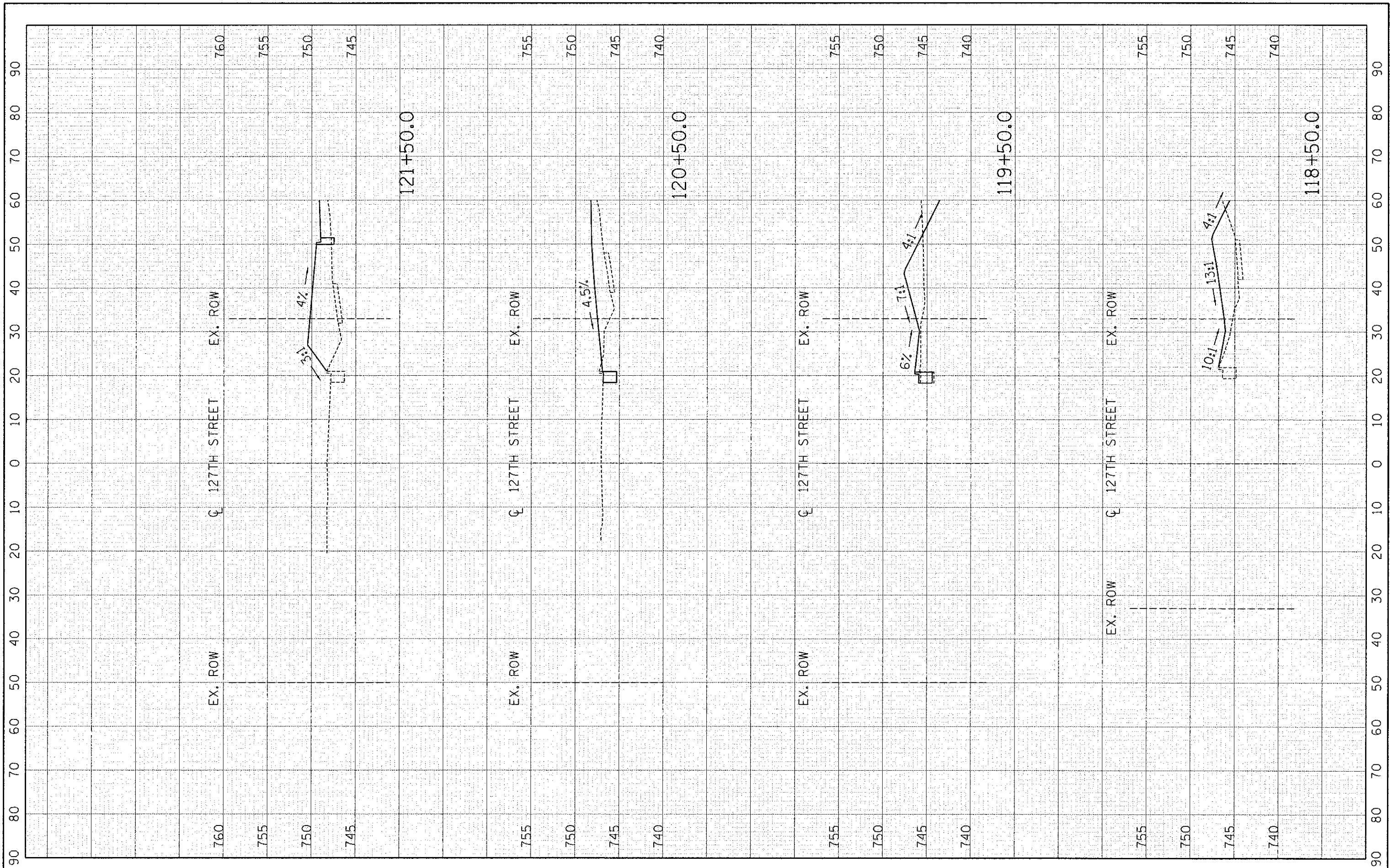


6 ORNAMENTAL TREE PLANTING
 SCALE: 1/4"=1'-0" DT-ornamental-tree-gyn



- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES AND STRUCTURES. SEE CONSTRUCTION NOTES.
- DO NOT WILLFULLY PROCEED WITH PLANTINGS AS DESIGNED WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING THE DESIGN PROCESS. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER. THE LANDSCAPE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY NECESSARY REVISIONS AND COSTS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AND/OR SUPPLIERS AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
- REFER TO SPECIFICATIONS FOR PLANTING REQUIREMENTS, MATERIALS, AND EXECUTION.
- FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO APPROVAL OF THE PROJECT MANAGER PRIOR TO DIGGING ANY HOLES. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROJECT MANAGER ADEQUATE ADVANCE NOTICE FOR ON-SITE APPROVALS. THE LANDSCAPE CONTRACTOR IS TO FOLLOW THE FOLLOWING BEFORE BEGINNING INSTALLING PLANTINGS:
 SHRUBS - LAY OUT THE ACTUAL CONTAINERS ON-SITE BEFORE DIGGING HOLES.
 TREES - STAKE THE LOCATIONS BEFORE DIGGING HOLES. ANY TREE PLANTED WITHOUT ITS FINAL LOCATION APPROVED BY THE PROJECT MANAGER MAY BE REQUESTED TO BE RELOCATED AT THE SOLE EXPENSE OF THE LANDSCAPE CONTRACTOR.
- THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER AT LEAST 48 HOURS IN ADVANCE PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT OBSERVATION SCHEDULES.
- IF CONFLICTS ARISE BETWEEN THE ACTUAL SIZE OF AREAS ON THE SITE AND THE DRAWINGS, CONTACT THE PROJECT MANAGER FOR RESOLUTION.
- IT IS THE LANDSCAPE CONTRACTOR'S OBLIGATION TO WARRANTY ALL PLANT MATERIAL PER THE SPECIFICATIONS.
- GROUNDCOVERS AND SHRUBS ARE TO BE TRIANGULARLY SPACED UNLESS INDICATED ON THE PLANS.
- ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING FORM, UNLESS OTHERWISE NOTED.
- ALL TREES, SHRUB AND GROUNDCOVER AREAS (EXCLUDING TURF AND SLOPE AREAS) ARE TO BE MULCHED PER DETAILS. ALL MULCH TO BE SHREDDED HARDWOOD MULCH.
- TREES SHALL BE SET BACK A MINIMUM OF TEN FEET (10') HORIZONTALLY FROM UTILITY STRUCTURES, INCLUDING, BUT NOT LIMITED TO, MANHOLES, VALVE VAULTS, VALVE BOXES, FIRE HYDRANTS, TRANSFORMERS AND SWITCH CANS. TREES SHALL BE SET BACK A MINIMUM OF FIVE (5') HORIZONTALLY FROM SANITARY SEWER AND WATER SERVICES. CONTRACTOR TO MAKE NECESSARY ADJUSTMENTS UNDER THE APPROVAL OF OWNER. REFER TO CIVIL DRAWINGS PREPARED BY OTHERS.

8 PLANTING NOTES
 SCALE: NTS DT-plant-note-gyn



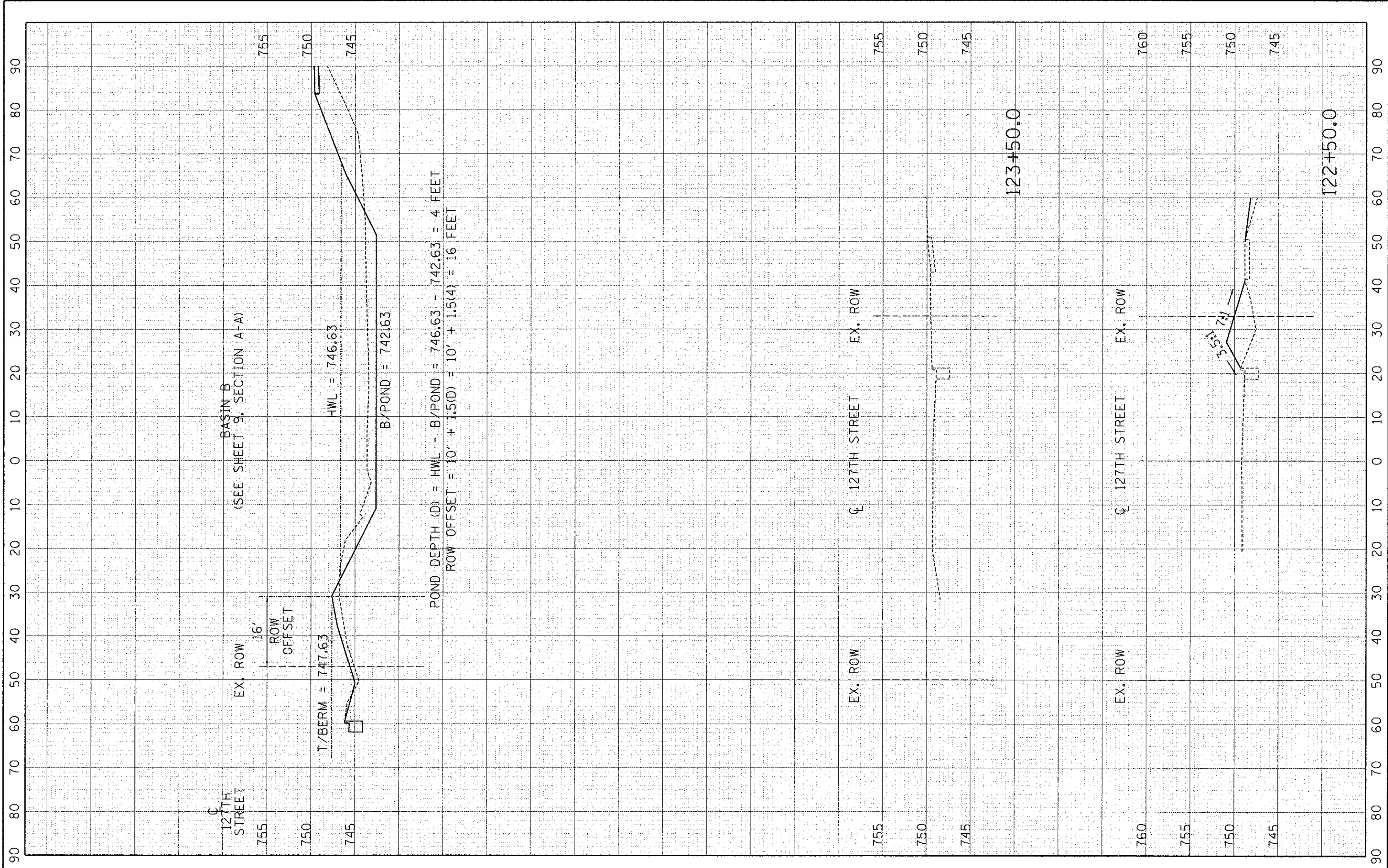
ESI CONSULTANTS, LTD
 1579 N. MILL STREET SUITE 100
 NAPERVILLE, IL 60563
 (630) 420-1700
 WWW.ESIIL.COM
 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003686

DESIGNED - BW	REVISED -
DRAWN - BR	REVISED -
CHECKED - BW	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

127TH STREET CROSS SECTIONS
 SCALE: 1"=10'H 1"=5'V SHEET NO. 1 OF 2 SHEETS STA. 118+50 TO STA. 121+50

F.A.P. RTE. 1591	SECTION 08-00043-00-BR	COUNTY COOK	TOTAL SHEETS 24	SHEET NO. 23
ILLINOIS FED. AID PROJECT				CONTRACT NO. 63804



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 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003885

DESIGNED - BW	REVISED - 1/25/13 PER CCHD
DRAWN - BR	REVISED -
CHECKED - BW	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

127TH STREET CROSS SECTIONS
 SCALE: 1"=10'H 1"=5'V SHEET NO. 2 OF 2 SHEETS STA. 122+50 TO STA. 123+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1591	08-00043-00-BR	COOK	24	24
ILLINOIS FED. AID PROJECT				CONTRACT NO. 63804