

06-14-2019 LETTING ITEM 214

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF APPLICABLE HIGHWAY STANDARDS
SEE SHEET 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

ROUTE FAP 0029 (95TH STREET) (US ROUTE 12-20)
AT 50TH COURT / MUSEUM DRIVE
INTERSECTION IMPROVEMENT PROJECT
SECTION 05-00167-01-TL
PROJECT NO: U4NC(979)
VILLAGE OF OAK LAWN
COOK COUNTY
JOB NO. C-91-387-13

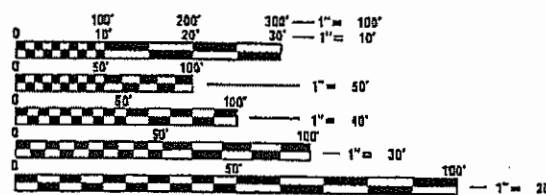
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0029	05-00167-01-TL	COOK	86	1
ILLINOIS CONTRACT NO. 61F37				



TRAFFIC DATA

95th ST
ADT (YEAR) = 33,400 (2015) 37,000 (2040)
SPEED LIMIT = 30 MPH
DESIGN DESIGNATION: SRA (URBAN)

50TH COURT/MUSEUM DRIVE
ADT (YEAR) = 1,280 (2016) 9,000 (2040)
SPEED LIMIT = 20 MPH
DESIGN DEESIGNATION: LOCAL ROAD (URBAN)



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

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

PROFESSIONAL DESIGN FIRM NO. 184-001175
EXPIRATION DATE: 04/30/19

CONTRACT NO. 61F37



LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 1,648 FT. = 0.31 MILE
NET LENGTH = 1,648 FT. = 0.31 MILE

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	February 27, 2019 <i>[Signature]</i> DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
PASSED	3/14/2019 <i>[Signature]</i> DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	
March 14, 2019 <i>[Signature]</i> REGIONAL ENGINEER	

	<i>[Signature]</i> ENGINEER 4/28/19 DATE
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	<i>[Signature]</i> ENGINEER 2/28/19 DATE
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PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NOTED		
NOTE BOOK			
No.			

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NOTED		
NOTE BOOK			
No.			

HIGHWAY STANDARDS

000001 - 07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001 - 02	AREAS OF REINFORCEMENT BARS
280001 - 07	TEMPORARY EROSION CONTROL SYSTEMS
353001 - 05	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
424001 - 11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011 - 04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016 - 05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
601001 - 05	PIPE UNDERDRAINS
602001 - 02	CATCH BASIN, TYPE A
602011 - 02	CATCH BASIN, TYPE C
602301 - 04	INLET – TYPE A
602401 - 06	MANHOLE TYPE A
602601 - 06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701 - 02	MANHOLE STEPS
604001 - 04	FRAME AND LIDS, TYPE 1
604051 - 04	FRAME AND GRATE TYPE 11
604056 - 04	FRAME AND GRATE TYPE 11V
606001 - 07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301 - 04	PC CONCRETE ISLANDS AND MEDIANS
701006 - 05	OFF-ROAD OPERATIONS, 2L, 2W, 15’ (4.5 M) TO 24” (600 MM) FROM PAVEMENT EDGE
701101 - 05	OFF-RD OPERATIONS, MULTILANE, 15’ (4.5 m) TO 24” (600 mm) FROM PAVEMENT EDGE
701106 - 02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15’ (4.5 m) AWAY
701301 - 04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701427 - 05	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701501 - 06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601 - 09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602 - 10	URBAN LANE CLOSURE MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606 - 10	URBAN SINGLE LANE CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701 - 10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801 - 06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901 - 08	TRAFFIC CONTROL DEVICES
720001 - 01	SIGN PANEL MOUNTING DETAILS
720006 - 04	SIGN PANEL ERECTION DETAILS
720016 - 04	MAST ARM MOUNTED STREET NAME SIGNS
728001 - 01	TELESCOPING STEEL SIGN SUPPORT
731001 - 01	BASE FOR TELESCOPING STEEEL SIGN SUPPORT
780001 - 05	TYPICAL PAVEMENT MARKINGS
781001 - 04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS
805001 - 01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001 - 03	HANDHOLES
814006 - 02	DOUBLE HANDHOLES
857001 - 01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
857006 - 01	SUPERVISED RAILROAD INTERCONNECT CIRCUIT
862001 - 01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001 - 02	TRAFFIC SIGNAL GROUNDING & BONDING
877011 - 10	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16’ THROUGH 55’
878001 - 10	CONCRETE FOUNDATION DETAILS
880006 - 01	TRAFFIC SIGNAL MOUNTING DETAILS
886001 - 01	DETECTOR LOOP INSTALLATIONS
886006 - 01	TYPICAL LAYOUTS FOR DETECTION LOOPS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-23	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

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PLAN	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____ ALIGNMENT _____ RT. OF WAY CHECKED _____ CADD FILE NAME _____		
NOTE BOOK			
NO. _____			

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	GRADES CHECKED _____		
	B.M. NOTED _____		
NO. _____	STRUCTURE NOTAT'NS CHK'D _____		

- | | | | | | |
|-----|---|-----|--|-----|---|
| 1. | CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016: THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2019, THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD), THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" (SSTCI), "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2014 SEVENTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS", IDOT HIGHWAY STANDARDS, AND "VILLAGE OF OAK LAWN STANDARD DRAWINGS" INCLUDED IN THE CONTRACT DOCUMENTS. | | | | |
| 2. | THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF OAK LAWN AT 708-636-4400, AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK AND COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. | | | | |
| 3. | THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK. | | | | |
| 4. | PRIOR TO THE START OF CONSTRUCTION, THE ENGINEER AND THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING. THE PURPOSE OF THE MEETING IS TO REVIEW ACCEPTABLE CONSTRUCTION PRACTICES IN ACCORDANCE WITH THE TRAFFIC CONTROL HIGHWAY STANDARDS AND VILLAGE ORDINANCES AND POLICIES. | | | | |
| 5. | IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. | | | | |
| 6. | IF THERE ARE DISCREPENCIES BETWEEN THE JOB SITE AND WHAT IS SHOWN ON THE CONSTRUCTION PLANS, THE CONTRACTOR MUST IMMEDIATELY REPORT TO THE ENGINEER BEFORE DOING ANY WORK. THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECT BY OMISSIONS OR DISCREPANCIES. IN FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS/HER OWN RISK. IN THE EVENT OF ANY DOUBT OR QUESTIONS ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTIONS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE. | | | | |
| 7. | THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND FEDERAL SAFETY REGULATIONS AS OUTLINED IN THE LATEST REVISIONS OF THE FEDERAL CONSTRUCTION SAFETY STANDARDS (SERIES 1926) AND THE APPLICABLE PROVISIONS AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA STANDARDS OF THE WILLIAMS STEGER OCCUPATIONAL HEALTH STATE AND SAFETY ACT OF 1970). | | | | |
| 8. | NEITHER THE ENGINEER NOR THE VILLAGE IS RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. | | | | |
| 9. | THE CONTRACTOR SHALL LIMIT HIS/HER CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. | | | | |
| 10. | THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. IF EXISTING SIGNS ARE DAMAGED DURING THE REMOVAL AND REPLACEMENT PROCESS, THE SIGNS SHALL BE REPLACED BY THE CONTACTOR. | | | | |
| 11. | DURING THE CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS CAUSED BY THE CONSTRUCTION. | | | | |
| 12. | THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL OTHER ROADWAY PROJECTS WITHIN THE AREA THAT ARE UNDER CONSTRUCTION AT THE SAME TIME. | | | | |
| 13. | A QUANTITY OF AGGREGATE SUBGRADE IMPROVEMENT AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAS BEEN PROVIDED FOR USE AT LOCATIONS OF UNSUITABLE OR UNSTABLE SOIL. THE NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF UNSUITABLE OR UNSTABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED. | | | | |
| 14. | ANY SIGNAGE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR. | | | | |
| 15. | PRIOR TO EMBANKMENT PLACEMENT, ALL VEGETATION, LOOSE MATERIAL AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL. ANY EMBANKMENT WIDENING ON EXISTING SLOPES SHOULD BE BENCHED IN ACCORDANCE WITH ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. | | | | |
| 16. | THE CONTRACTOR(S) SHALL KEEP EXISTING ADJACENT STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS AND CLEAN PAVEMENTS ON A DAILY BASIS OR MORE OFTEN WHEN NECESSARY AND AS DIRECTED BY THE ENGINEER. ALL SAWCUTTING SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT. | | | | |
| 17. | THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED. PLAN THICKNESSES SHOULD BE CONSIDERED THE MINIMUM THICKNESS PERMITTED. | (C) | THE EROSION AND SEDIMENT CONTROLS SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY THE VILLAGE, OR THEIR AUTHORIZED REPRESENTATIVE. ALL ADDITIONAL MEASURES MUST BE IN PLACE WITHIN 3 DAYS OF DISTURBANCE AND ANY EMERGENCY SESC MEASURES MUST BE INSTALLED IMMEDIATELY. | (Q) | A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERDRAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. |
| 18. | TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MAKINGS, THE CONTRACTOR SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN, AT PATRICE.HARRIS@ILLINOIS.GOV . | (D) | THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREAS AS THE PROJECT PROGRESSES, AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE TRACK-OUT MATERIAL. | (R) | STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE. |
| 19. | THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK. | (E) | AFTER ALL PERIMETER SEDIMENT BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER SEDIMENT BARRIER MUST BE RESTORED. | (S) | ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED |
| 20. | ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER. | (F) | IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DIVERT ALL WATER (GROUND, STORM, AND CONSTRUCTION) DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREAS FREED OF WATER, BYPASS PUMPING, INCLUDING SILT BAGS AND AN ENERGY DISSIPATION SURFACE FOR THE PUMPS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SIZE THE PUMPS APPROPRIATELY. | 27. | <u>STORM SEWER</u> |
| 21. | PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACE MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. | (G) | DURING DE-WATERING/PUMPING OPERATIONS, ONLY UNCONTAMINATED WATER SHOULD BE ALLOWED TO DISCHARGE TO PROTECTED NATURAL AREAS, WATERS OF THE STATE, OR TO A STORM SEWER SYSTEM (IN ACCORDANCE WITH LOCAL PERMITS). INLET HOSES SHOULD BE PLACED IN A STABILIZED SUMP PIT OR FLOATED AT THE SURFACE OF THE WATER IN ORDER TO LIMIT THE AMOUNT OF SEDIMENT INTAKE. PUMPING OPERATIONS MAY BE DISCHARGED TO A STABILIZED AREA THAT CONSISTS OF AN ENERGY DISSIPATING DEVICE (E.G., STONE), SEDIMENT FILTER BAG, OR BOTH. ADEQUATE EROSION AND SEDIMENT CONTROLS SHOULD BE USED DURING DE-WATERING OPERATIONS AS NECESSARY. DEWATERING SEDIMENT LADEN WATER DIRECTLY INTO FIELD TILES, STORM WATER STRUCTURES, OR "WATERS OF THE US" IS PROHIBITED. | (A) | FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES OF ALL NEW, ADJUSTEDS OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE. |
| 22. | PAVING OF THE FULL ROADWAY WIDTH SHALL BE COMPLETED AT THE END OF EACH DAY OF PAVING TO PREVENT A LONGITUDINAL COLD JOINT FROM APPEARING WHEN OPPOSITE SIDES OF THE ROAD ARE PAVED ON DIFFERENT DAYS. THE CONTRACTOR SHALL ALSO ENSURE THAT AT THE END OF EACH DAY EACH PASS ENDS AT APPROXIMATELY THE SAME STATION TO PREVENT A COLD JOINT. | (H) | SEDIMENT CONTROL BMPS SHALL BE CONSTRUCTED AT ALL LOCATIONS WHERE CONSTRUCTION TRAFFIC ENTERS OF LEAVES THE SITE. THESE LOCATIONS SHALL BE DETERMINED IN THE FIELD, AS NEEDED. GRAVELED ROADS, RUMBLE STRIPS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, MUST BE PROVIDED TO PREVENT THE DEPOSIT OF SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING PUBLIC OR PRIVATE ROADWAY MUST BE REMOVED IMMEDIATELY. | (B) | ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR. |
| 23. | <u>SURVEY</u> | (I) | STOCK PILES OR SOIL MUST NOT BE LOCATED IN FLOOD PLAINS, RIPARIAN AREAS (VEGETATED FLOOD PLAINS), WETLANDS AND WATERS OF THE U.S., UNLESS OTHERWISE AUTHORIZED BY THE RELEVANT PERMITTING AUTHORITY. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, PERIMETER SEDIMENT BARRIER MUST BE PROVIDED. | (C) | WHEN THE REQUIRED VERTICAL AND HORIZONTAL CLEARANCES, AS SPECIFIED BY THE IEPA, BETWEEN PROPOSED STORM SEWER AND EXISTING OR PROPOSED WATER MAINS CANNOT BE MET, CIRCULAR PIPE SHALL BE INSTALLED OF WATER MAIN QUALITY PIPE AS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR WATER MAIN CONSTRUCTION, EXCEPT THAT ONLY DUCTILE IRON PIPE WILL BE ALLOWED BENEATH PAVEMENTS. THE PIPE WILL BE PAID FOR AS "STORM SEWER (WATER MAIN REQUIREMENTS)". |
| (A) | WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE ENGINEER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. | (J) | CONTRACTOR MUST INSTALL PERIMETER SEDIMENT BARRIER AT ANY LOCATION IN WHICH SHEET FLOWS MAY RESULT IN SEDIMENT RUNOFF OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR MAY USE OTHER METHODS TO CONTROL RUNOFF, INCLUDING, BUT NOT LIMITED TO, TEMPORARY DIVERSION SWALES, TEMPORARY SEDIMENT TRAPS, SHAPED DITCHES TO CONVEY WATER, ETC. | (D) | ANY PROPOSED CATCH BASINS OR MANHOLES WITH INVERT ELEVATIONS THAT DO NOT PROVIDE ROOM TO FIT A PRECAST CONE TOP, ARE SHALLOW DEPTH DRAINAGE STRUCTURES AND SHALL BE FITTED WITH A REINFORCED CONCRETE FLAT SLAB TOP. NO ADJUSTMENTS TO UNIT PRICES SHALL BE MADE WHETHER STRUCTURES ARE FITTED WITH CONE TOPS OR FLAT SLAB TOPS. |
| (B) | ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. | (K) | ALL PROPOSED AND EXISTING STORM SEWER INLET STRUCTURES (INCLUDING INLETS LOCATED WITHIN THE HAUL ROUTES) MUST BE PROTECTED WITH STORM SEWER INLET PROTECTION (I.E. INLET FILTERS) PER INLET PROTECTION DETAILS IN THE PLANS. | (E) | ALL COUPLINGS SHALL BE OF |

FILE NAME =	USER NAME = jlapaglia	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\DokLawn\160482\Civil\Stage 1\NOT-160482_Stage1.02.sht		DRAWN -	REVISED -							0029	05-00167-01-TL	COOK	86	3
Default	PLOT SCALE = 20'	CHECKED -	REVISED -		CONTRACT NO. 61F37									
Default	PLOT DATE = 4/25/2019	DATE -	REVISED -											
					SCALE: 20	SHEET	OF	SHEETS	STA.	TO STA.				

PLAN

SURVEYED
PLOTTED

BY

DATE

NOTE BOOK
NO.

ALIGNMENT CHECKED
DATE

STRUCTURE NOTATIONS CHECKED
DATE

PROFILE

SURVEYED
PLOTTED

BY

DATE

NOTE BOOK
NO.

GRADES CHECKED
DATE

STRUCTURE NOTATIONS CHECKED
DATE

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	PROJECT TOTAL	CONSTRUCTION CODE 0004	CONSTRUCTION CODE 0021	CONSTRUCTION CODE 0042
					TOTAL QUANTITY	(ROADWAY RECONSTRUCTION) QUANTITY	(SAFETY) QUANTITY	(TRAINEES) QUANTITY
	~	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	90	90		
	~	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	80	80		
	~	20101100	TREE TRUNK PROTECTION	EACH	6	6		
		20200100	EARTH EXCAVATION	CU YD	1067	1,067		
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	251	251		
		X2080250	TRENCH BACKFILL, SPECIAL	CU YD	181	101	80	
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2195	2,195		
		21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	758	758		
	~	25200110	SODDING, SALT TOLERANT	SQ YD	758	758		
	~	25200200	SUPPLEMENTAL WATERING	UNIT	40	40		
		28000400	PERIMETER EROSION BARRIER	FOOT	550	550		
		28000510	INLET FILTERS	EACH	18	18		
*		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	58	58		
*		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2301	2,301		
		31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	713	713		
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	380	380		
		35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ YD	305	305		
		35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	240	240		
		40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	140	140		
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	455	455		
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	290	290		
		40603153	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80	TON	358	358		
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1410	1,410		
		42300100	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH	SQ YD	100	100		
*		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7607	7,607		
*		42400800	DETECTABLE WARNINGS	SQ FT	102	102		
*		44000100	PAVEMENT REMOVAL	SQ YD	2145	2,145		
		44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	2615	2,615		
		44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	220	220		
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	674	674		
		44000300	CURB REMOVAL	FOOT	135	135		
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1305	1,305		
		44000600	SIDEWALK REMOVAL	SQ FT	4380	4,380		
		44003100	MEDIAN REMOVAL	SQ FT	1325	1,325		
		44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	335	335		
		50200100	STRUCTURE EXCAVATION	CU YD	30	30		
	~	50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	1675	1,675		
	~	52200105	FURNISHING SOLDIER PILES (W SECTION)	FOOT	302	302		
	~	52200200	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	950	950		
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	238	238		
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	32	32		
		550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	147	147		
		55100300	STORM SEWER REMOVAL 8"	FOOT	79	79		
		55100400	STORM SEWER REMOVAL 10"	FOOT	140	140		

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STRUCTURE NOTATIONS CHKD

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NOTE BOOK

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SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	PROJECT TOTAL TOTAL QUANTITY	CONSTRUCTION CODE 0004	CONSTRUCTION CODE 0021	CONSTRUCTION CODE 0042
						(ROADWAY RECONSTRUCTION) QUANTITY	(SAFETY) QUANTITY	(TRAINEES) QUANTITY
*		60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	3	3		
*		60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	1	1		
*		60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	3	3		
*		60207915	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	EACH	1	1		
*		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3		
*		60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1		
*		60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	4	4		
		60500040	REMOVING MANHOLES	EACH	1	1		
		60500050	REMOVING CATCH BASINS	EACH	4	4		
*		60600605	CONCRETE CURB, TYPE B	FOOT	165	165		
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1320	1,320		
		60620800	CONCRETE MEDIAN, TYPE SB-9.12	SQ FT	2200	2,200		
*	~	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	390	300	90	
*	~	66900530	SOIL DISPOSAL ANALYSIS	EACH	3	2	1	
*	~	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	0.5	0.5	
*	~	66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	100	75	25	
*	~	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	0.5	0.5	
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	2	4	
		67100100	MOBILIZATION	LSUM	1	0.5	0.5	
		70102820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	0.5	0.5	
		70102820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	0.5	0.5	
		70102835	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	0.5	0.5	
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	30		30	
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	200	200		
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	67	67		
		70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	25		25	
		70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1650		1,650	
		70300550	PAVEMENT MARKING TAPE, TYPE III 8"	FOOT	325		325	
		70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	400		400	
		70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	15		15	
		72000100	SIGN PANEL - TYPE 1	SQ FT	125		125	
		72000200	SIGN PANEL - TYPE 2	SQ FT	48		48	
		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	150		150	
		73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	3		3	
~		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	527	527		
~		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9791	9,791		
~		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1315	1,315		
~		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	940	940		
~		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	540	540		
~		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	209	209		
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	196	196		
~		81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	500		500	
~		81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	970		970	
*	~	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1527		1,527	
*	~	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	120		120	
*	~	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	53		53	
*	~	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	601		601	

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SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	PROJECT TOTAL TOTAL QUANTITY	CONSTRUCTION CODE 0004	CONSTRUCTION CODE 0021	CONSTRUCTION CODE 0042
						(ROADWAY RECONSTRUCTION) QUANTITY	(SAFETY) QUANTITY	(TRAINEES) QUANTITY
-	-	81400100	HANDHOLE	EACH	7		7	
-	-	81400200	HEAVY-DUTY HANDHOLE	EACH	2		2	
-	-	81400300	DOUBLE HANDHOLE	EACH	2		2	
-	-	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1635		1,635	
-	-	81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	810		810	
-	-	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	3810		3,810	
-	-	81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2625		2,625	
-	-	83000198	LIGHT POLE, ALUMINUM, 25 FT. M.H., 8 FT. MAST ARM	EACH	2		2	
-	-	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	40		40	
-	-	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	13		13	
-	-	84200804	REMOVAL OF POLE FOUNDATION	EACH	15		15	
-	-	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2		2	
-	-	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2	
-	-	86400100	TRANSCIVER - FIBER OPTIC	EACH	1		1	
-	-	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3108		3,108	
-	-	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	971		971	
-	-	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1792		1,792	
-	-	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1905		1,905	
-	-	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1644		1,644	
-	-	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1016		1,016	
-	-	87301750	ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	354		354	
-	-	87301790	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 2 2 C	FOOT	417		417	
-	-	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	334		334	
-	-	87301880	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 4 1C	FOOT	291		291	
-	-	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	768		768	
-	-	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2		2	
-	-	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1		1	
-	-	87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1		1	
-	-	87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1		1	
-	-	87704320	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 32 FT.	EACH	1		1	
-	-	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		16	
-	-	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4	
-	-	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52		52	
-	-	87900200	DRILL EXISTING HANDHOLE	EACH	2		2	
-	-	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10		10	
-	-	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2	
-	-	88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2		2	
-	-	88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2		2	
-	-	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		1	
-	-	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3		3	
-	-	88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	6		6	
-	-	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	15		15	
-	-	88500100	INDUCTIVE LOOP DETECTOR	EACH	5		5	
-	-	88600100	DETECTOR LOOP, TYPE I	FOOT	411		411	

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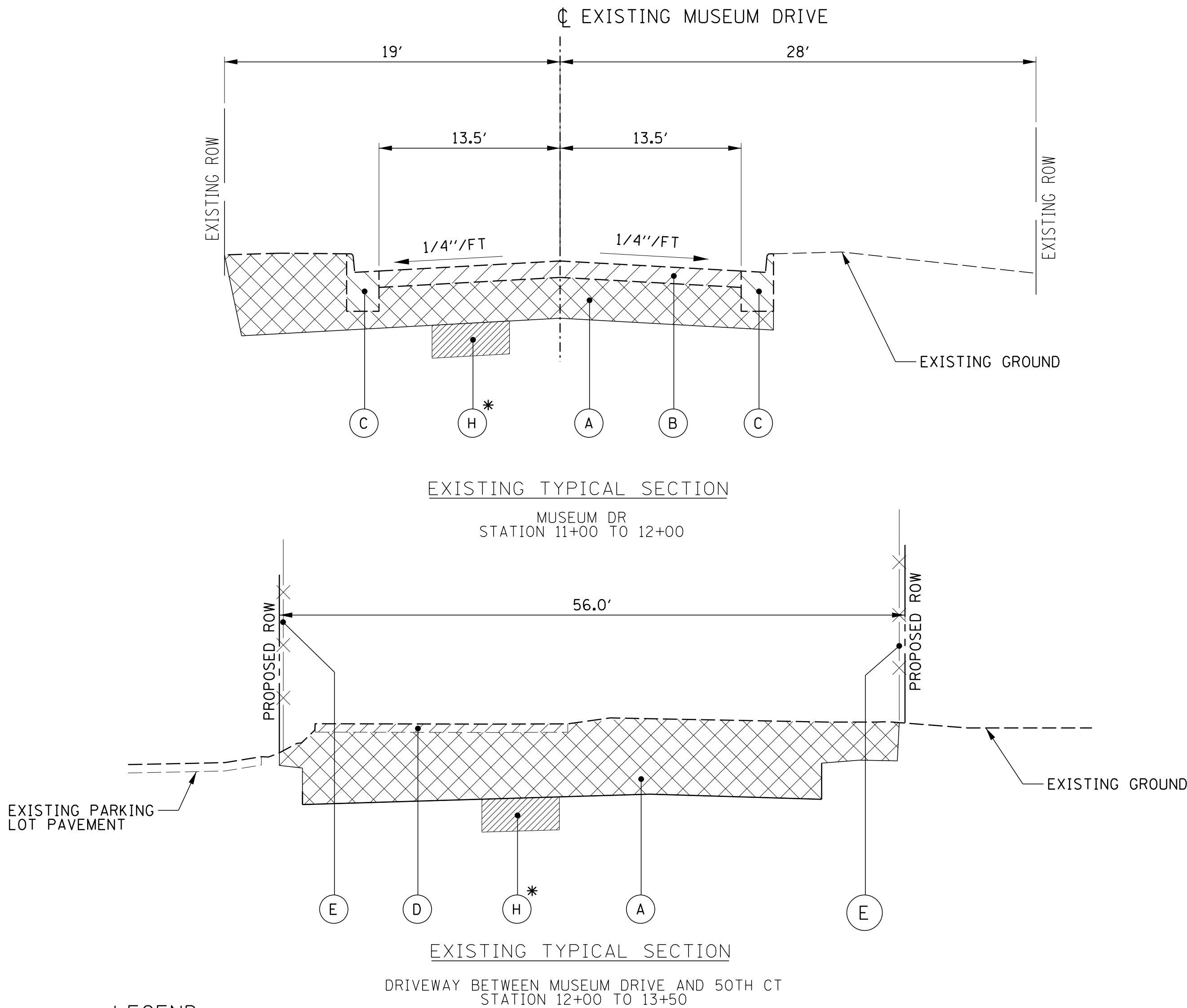
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SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	PROJECT TOTAL	CONSTRUCTION CODE 0004	CONSTRUCTION CODE 0021	CONSTRUCTION CODE 0042
					TOTAL QUANTITY	(ROADWAY RECONSTRUCTION) QUANTITY	(SAFETY) QUANTITY	(TRAINEES) QUANTITY
*	~	88700200	LIGHT DETECTOR	EACH	4		4	
*	~	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1	
*	~	88800100	PEDESTRIAN PUSH-BUTTON	EACH	6		6	
	~	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4559		4,559	
	~	89502380	REMOVE EXISTING HANDHOLE	EACH	2		2	
	~	A2006716	TREE, QUERCUS MACROCARPA, (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3		
	~	A2008517	TREE, ULMUS JAPONICA X WILSONIANA MORTON, (ACCOLADE ELM), 2 1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3		
	~	B2005385	TREE, METASEQUOIA GLYPTOSTROBODES, (DAWN REDWOOD), 2" CALIPER, BALL AND BURLAPPED	EACH	4	4		
*	~	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	779		779	
*	~	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	1460		1,460	
*	~	X0325815	REMOVE EXISTING CABLE	FOOT	645		645	
*	~	X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	13		13	
*		X0326862	STRUCTURES TO BE ADJUSTED	EACH	13	13		
*	~	X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4		4	
*		X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1325	1,325		
*	~	X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	366		366	
*		X7011834	TRAFFIC CONTROL AND PROTECTION, CALL OUT WORK	EACH	1		1	
*	~	X8100105	CONDUIT SPLICE	EACH	6		6	
*	~	X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1		1	
*	~	X8300001	LIGHT POLE, SPECIAL	EACH	2		2	
*	~	X8360110	LIGHT POLE FOUNDATION, SPECIAL	FOOT	78		78	
*	~	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1		1	
*	~	X1400168	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1	
*	~	X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1		1	
*	~	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1	
*	~	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3160		3,160	
*	~	X8900010	TEMPORARY TRAFFIC SIGNAL INTERCONNECT	EACH	1		1	
*		Z0013798	CONSTRUCTION LAYOUT	LSUM	1	0.5	0.5	
*		Z0022800	FENCE REMOVAL	FOOT	330	330		
*	~	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4		4	
*	~	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL. MO	6		6	
*	~	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1	
*		Z0043698	PRECAST CONCRETE PANEL	SQ FT	1490	1,490		
*		Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1		
*	~	Z0049000	RAISED CURB MARKER	EACH	14		14	
*		Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	183	183		
*		Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	17	17		
*		Z0076600	TRAINEES	HOURL	500			500
*		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500			500
*	~	XX008608	CABLE, SPECIAL	FOOT	682		682	
*	~	XX009317	LUMINAIRE, LED, HORIZONTAL MOUNT, TYPE C	EACH	4		4	
*	~	XX009796	LUMINAIRE, LED, HORIZONTAL MOUNT, TYPE B	EACH	2		2	
*	~	87704324	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 32 FT. AND 44 FT.	EACH	1		1	

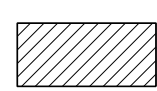
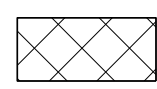
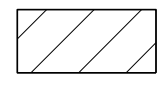
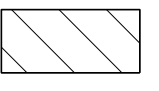
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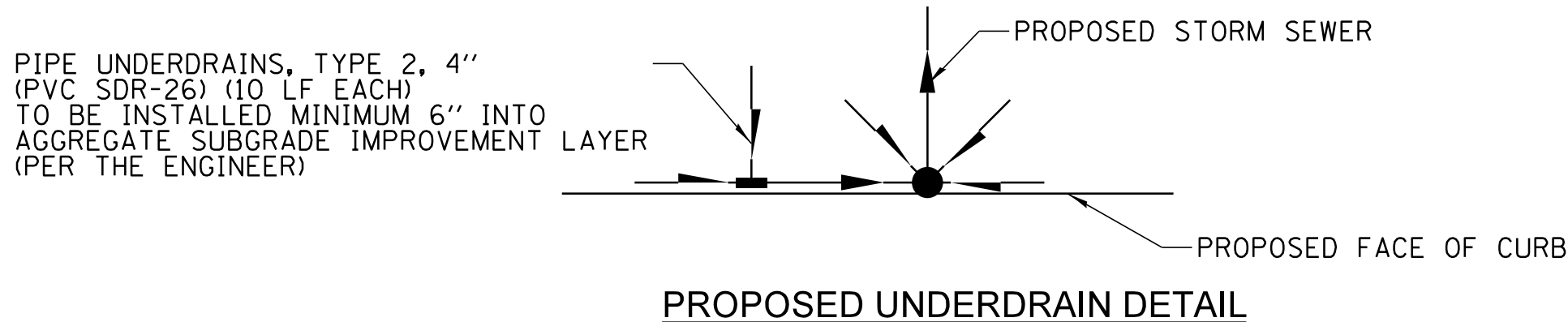
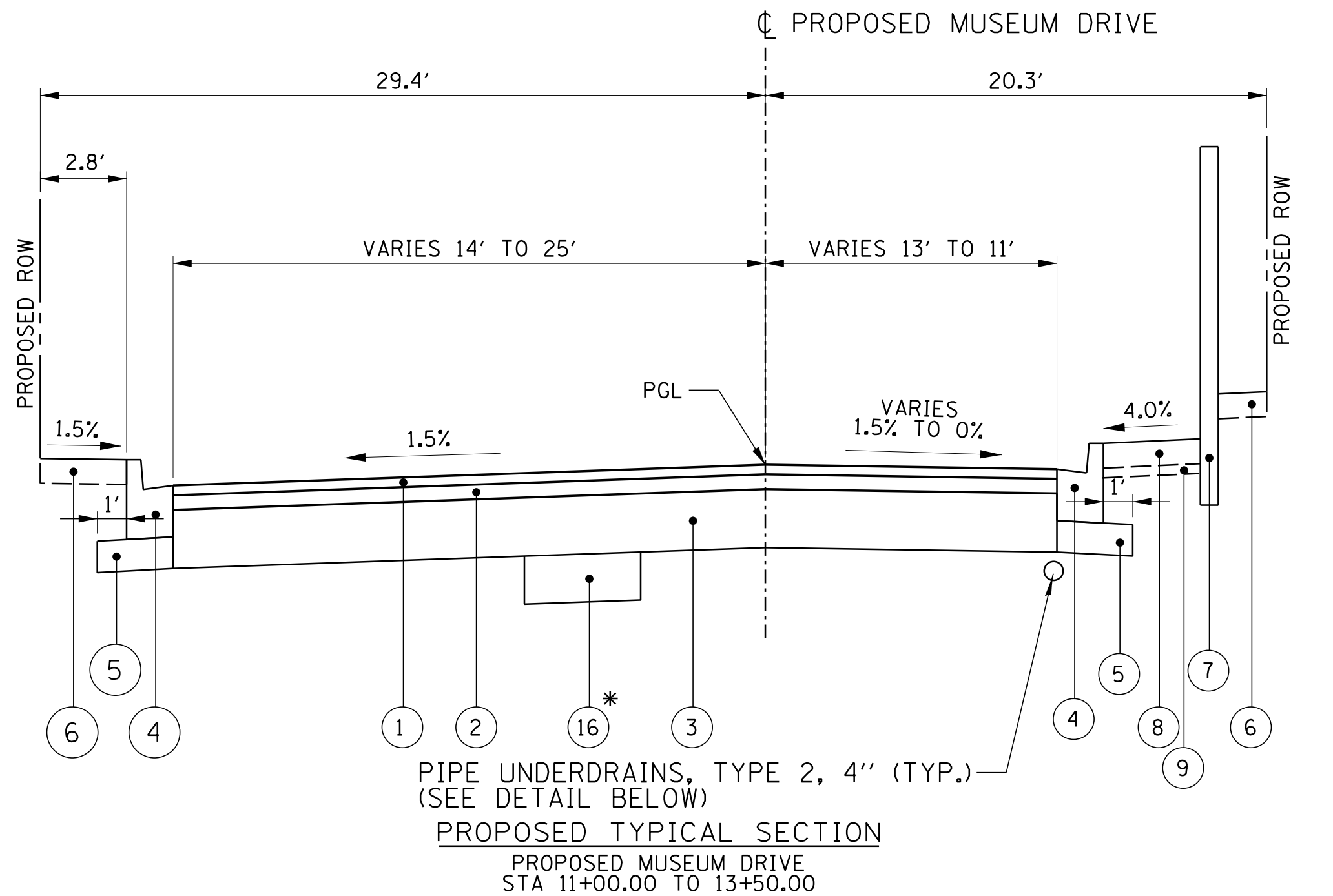
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LEGEND

	REMOVAL OF UNSUITABLE MATERIAL	①	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"
	EARTH EXCAVATION	②	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 3"
	REMOVAL ITEMS	③	AGGREGATE SUBGRADE IMPROVEMENT 12"
		④	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
Ⓐ	EARTH EXCAVATION	⑤	SUBBASE GRANULAR MATERIAL, TYPE B 4"
Ⓑ	PAVEMENT REMOVAL (ASSUMED TO BE 15")	⑥	TOPSOIL FURNISH AND PLACE, 6" SODDING, SALT TOLERANT
Ⓒ	COMBINATION CURB AND GUTTER REMOVAL	⑦	PROPOSED WALL
Ⓓ	DRIVEWAY PAVEMENT REMOVAL	⑧	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
Ⓔ	FENCE REMOVAL	⑨	SUBBASE GRANULAR MATERIAL, TYPE B 2"
Ⓕ	SIDEWALK REMOVAL	⑩	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80; 1 3/4"
Ⓖ	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	⑪	LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5mm); 2 1/4"
Ⓗ	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	⑫	PORTLAND CEMENT CONCRETE BASE COURSE 9"
Ⓘ	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	⑬	DRILL AND GROUT #8 TIE BARS
		⑭	STRIP REFLECTIVE CRACK CONTROL TREATMENT
		⑮	PROPOSED PAVEMENT MARKING
		⑯	AGGREGATE SUBGRADE IMPROVEMENT

* IF NECESSARY AT LOCATIONS DETERMINED IN THE FIELD BY THE ENGINEER



NOTE:
PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARD 601001-05. THE TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" INTO THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES, EITHER EXISTING OR PROPOSED, SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ NDES
<u>50TH COURT / MUSEUM DRIVE RECONSTRUCTION</u>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 3"	4% @ 50 GYR.
<u>95TH STREET RESURFACING AND PAVEMENT WIDENING</u>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80; 1 3/4"	3.5% @ 80 GYR.
LEVELING BINDER (MACHINE METHOD), N70, 2 1/4" (IL 9.5mm)	4% @ 70 GYR.
LEVELING BINDER (MACHINE METHOD), N70, 3/4" (IL 9.5mm)	4% @ 70 GYR.
<u>HOT-MIX ASPHALT DRIVEWAYS</u>	
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-10 mm); 8"	4% @ 50 GYR.

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SY/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.

FILE NAME =	USER NAME = wbioftus	DESIGNED -	REVISED -
N:\OakLawn\160482\Civil\Stage 1\TYP-160482-Stage1.01.sht		DRAWN -	REVISED -
Default	PLOT SCALE = 20'	CHECKED -	REVISED -
Default	PLOT DATE = 4/8/2019	DATE -	REVISED -

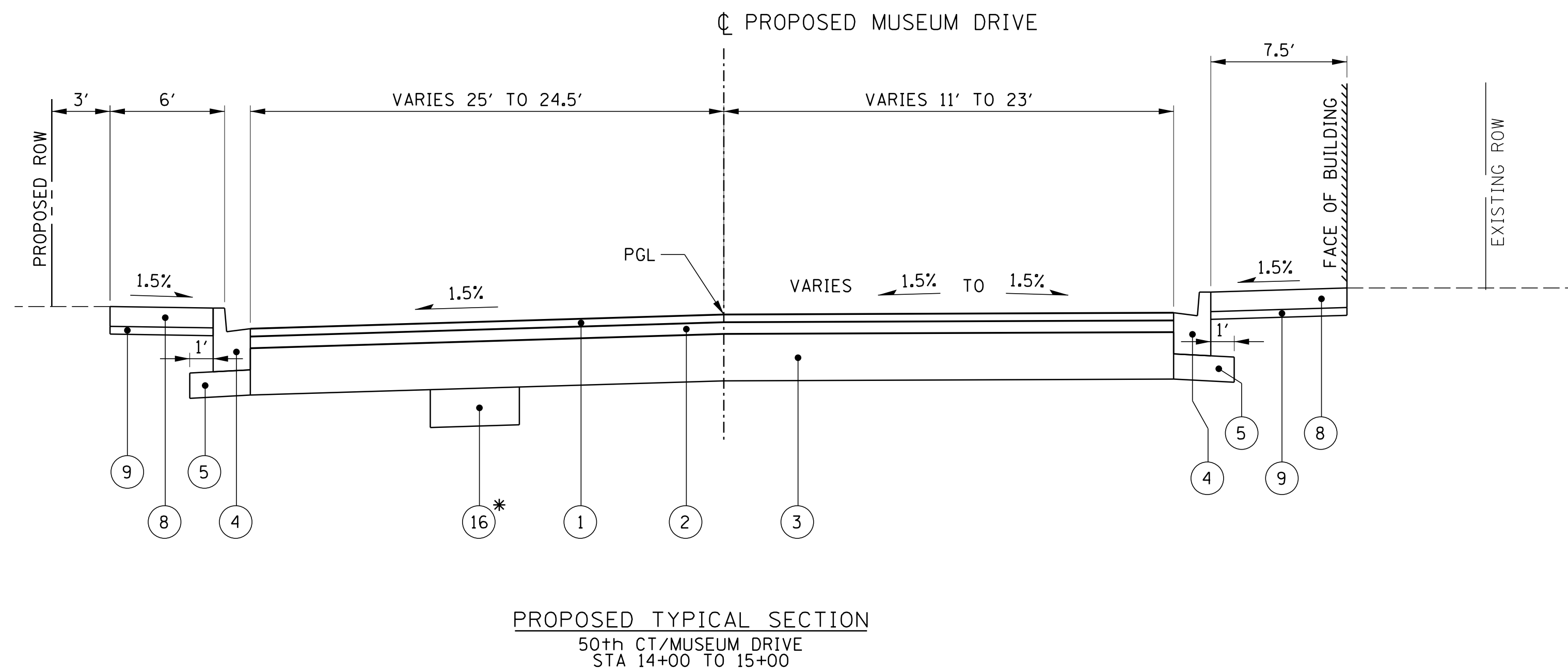
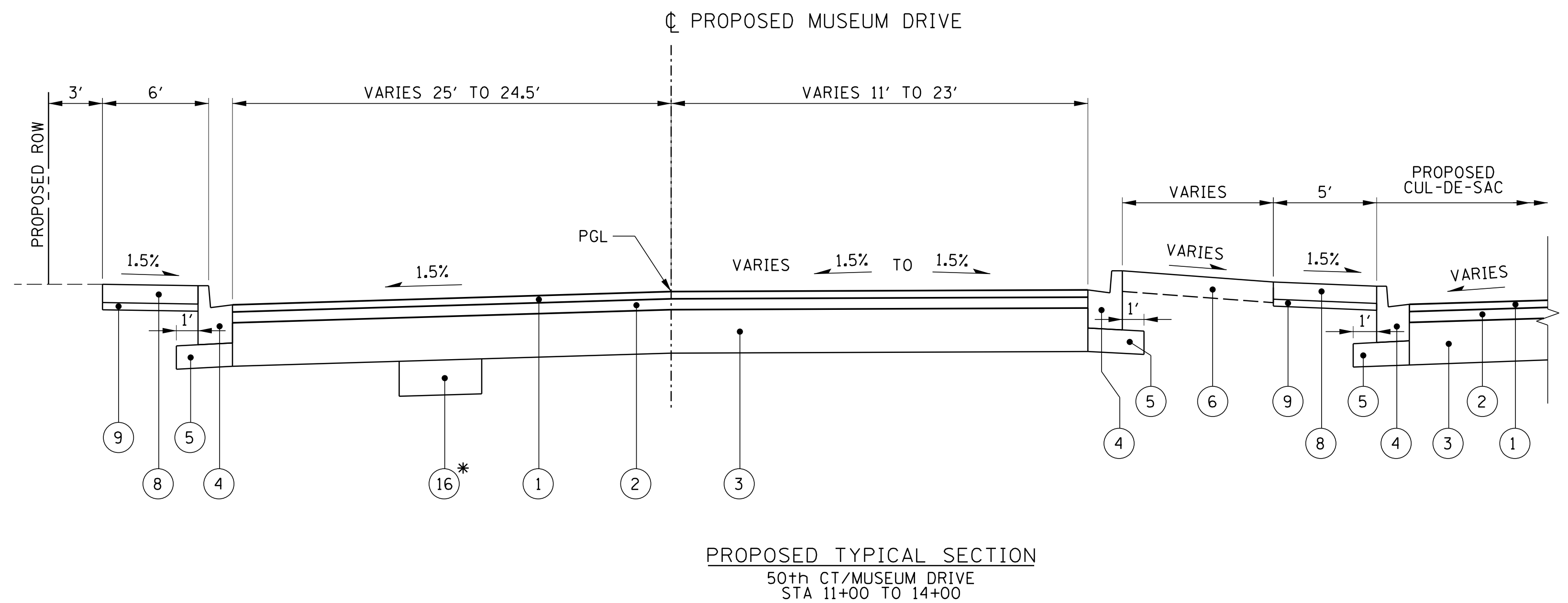
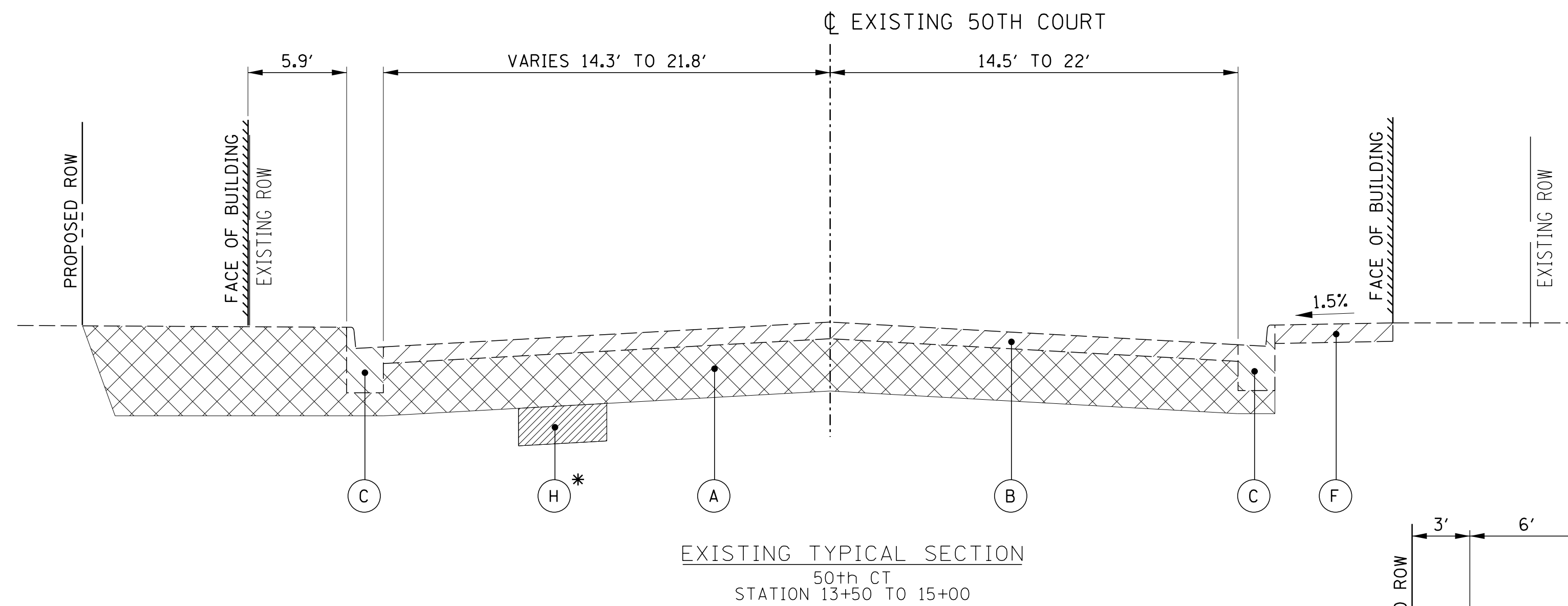
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

50TH COURT /MUSEUM DRIVE
TYPICAL SECTIONS

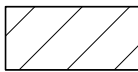
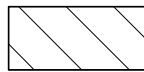
SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. 11+00 TO STA. 13+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0029	05-00167-01-TL	COOK	86	8
CONTRACT NO.				61F37
ILLINOIS FED. AID PROJECT				

PROFILE	SURVEYED _____	BY	DATE
	PLOTTED _____		
NOTE BOOK	GRADES CHECKED _____		
NO. _____	B.M. NOTED _____		
	STRUCTURE NOTATIONS CHECKED _____		



LEGEND

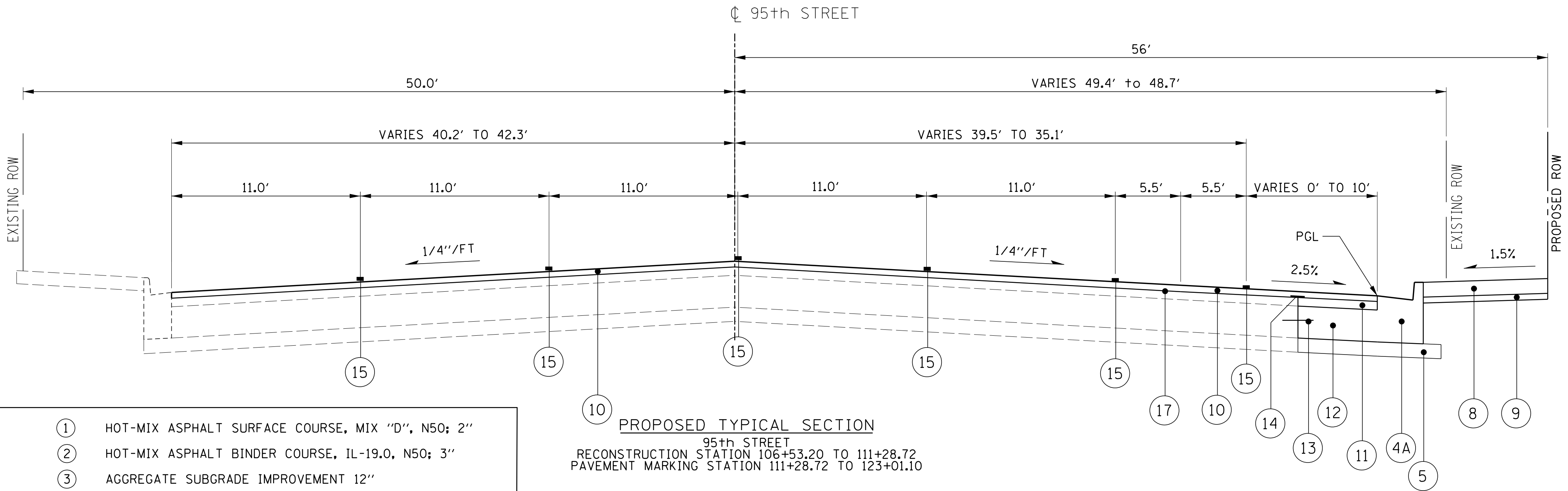
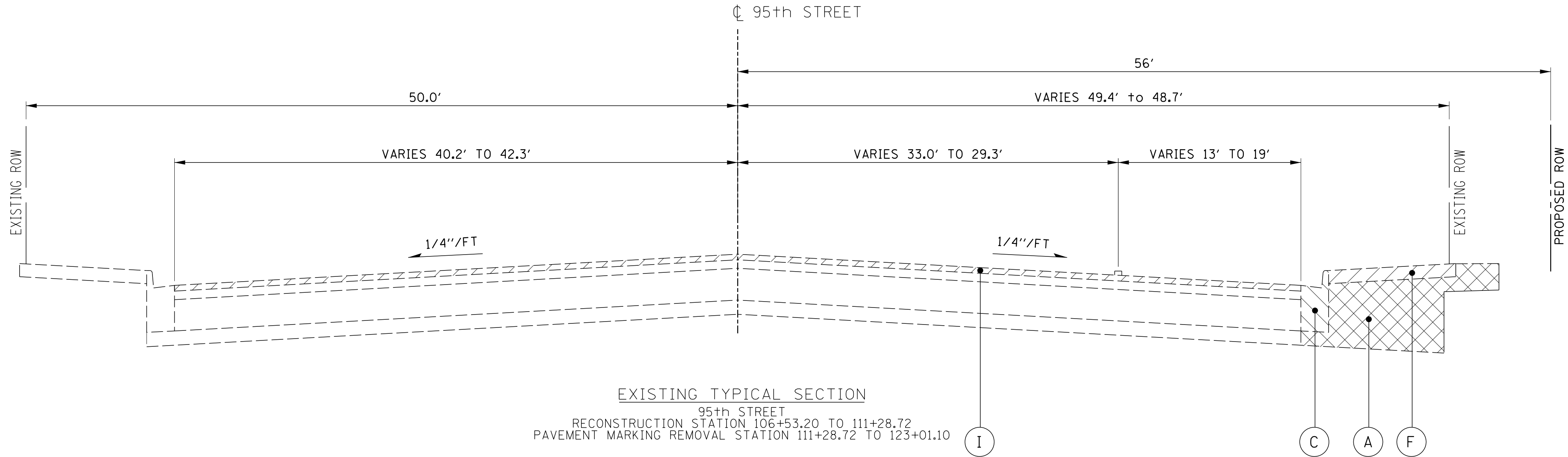
	REMOVAL OF UNSUITABLE MATERIAL	①	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"
	EARTH EXCAVATION	②	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 3"
 	REMOVAL ITEMS	③	AGGREGATE SUBGRADE IMPROVEMENT 12"
④	EARTH EXCAVATION	④	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
⑤	PAVEMENT REMOVAL (ASSUMED TO BE 15")	④A	COMB. CONC. CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
⑥	COMBINATION CURB AND GUTTER REMOVAL	⑤	SUBBASE GRANULAR MATERIAL, TYPE B 4"
⑦	DRIVEWAY PAVEMENT REMOVAL	⑥	TOPSOIL FURNISH AND PLACE, 6" SODDING, SALT TOLERANT
⑧	FENCE REMOVAL	⑦	PROPOSED WALL
⑨	SIDEWALK REMOVAL	⑧	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
⑩	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	⑨	SUBBASE GRANULAR MATERIAL, TYPE B 2"
⑪	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	⑩	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80; 1 3/4"
⑫	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	⑪	LEVELING BINDER (MACHINE METHOD) N70 (IL 9.5mm); 2 1/4"
		⑫	PORTLAND CEMENT CONCRETE BASE COURSE 9"
		⑬	DRILL AND GROUT #8 TIE BARS
		⑭	STRIP REFLECTIVE CRACK CONTROL TREATMENT
		⑮	PROPOSED PAVEMENT MARKING
		⑯	AGGREGATE SUBGRADE IMPROVEMENT

* IF NECESSARY AT LOCATIONS DETERMINED IN THE FIELD BY THE ENGINEER

FILE NAME =	USER NAME = wbioftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	50TH COURT /MUSEUM DRIVE TYPICAL SECTIONS					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Civil\Stage 1\TYP-160482-Stage1.02.sht	Stage1.02.sht	DRAWN -	REVISED -							0029	05-00167-01-TL	COOK	86	9
Default	PLOT SCALE = 20'	CHECKED -	REVISED -		CONTRACT NO. 61F37									
Default	PLOT DATE = 4/8/2019	DATE	REVISED -											
					SCALE: N.T.S.	SHEET 2 OF 3 SHEETS	STA. 13+50 TO STA. 14+88.50							

PLAN	SURVEYED	BY	DATE	PLOTTED	CHECKED	DATE	FILE NAME
NOTE BOOK	NO.						

PROFILE	SURVEYED	BY	DATE	PLOTTED	CHECKED	DATE	FILE NAME
NOTE BOOK	NO.						



LEGEND

	REMOVAL OF UNSUITABLE MATERIAL	①	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"
	EARTH EXCAVATION	②	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 3"
	REMOVAL ITEMS	③	AGGREGATE SUBGRADE IMPROVEMENT 12"
Ⓐ	EARTH EXCAVATION	④	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
Ⓑ	PAVEMENT REMOVAL	4A	COMB. CONC. CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
Ⓒ	COMBINATION CURB AND GUTTER REMOVAL	⑤	SUBBASE GRANULAR MATERIAL, TYPE B 4"
Ⓓ	DRIVEWAY PAVEMENT REMOVAL	⑥	TOPSOIL FURNISH AND PLACE, 6" SODDING, SALT TOLERANT
Ⓔ	FENCE REMOVAL	⑦	PROPOSED WALL
Ⓕ	SIDEWALK REMOVAL	⑧	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
Ⓖ	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	⑨	SUBBASE GRANULAR MATERIAL, TYPE B 2"
Ⓕ	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	⑩	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, N80; 1 3/4"
Ⓘ	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	⑪	LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5mm); 2 1/4"
		⑫	PORTLAND CEMENT CONCRETE BASE COURSE 9"
		⑬	DRILL AND GROUT #8 TIE BARS
		⑭	STRIP REFLECTIVE CRACK CONTROL TREATMENT
		⑮	PROPOSED PAVEMENT MARKING
		⑯	AGGREGATE SUBGRADE IMPROVEMENT
		⑰	LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5mm); 3/4"

* IF NECESSARY AT LOCATIONS DETERMINED IN THE FIELD BY THE ENGINEER

FILE NAME =	USER NAME = wbioftus	DESIGNED -	REVISED -
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Default	PLOT DATE = 4/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

95TH STREET
TYPICAL SECTIONS

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. 13+50 TO STA. 14+88.50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0029	05-00167-01-TL	COOK	86	10
CONTRACT NO. 61F37				
ILLINOIS FED. AID PROJECT				

PLAN

SURVEYED
PLOTTED
NOTE BOOK
NO. _____

CHECKED
DATE
FILE NAME

BY

DATE

PROFILE

SURVEYED
PLOTTED
NOTE BOOK
NO. _____

CHECKED
DATE
NOTATIONS CHKD

BY

DATE

DRAINAGE STRUCTURE TABLE												
STRUCTURE	STRUCTURE TYPE	STATION	OFFSET	RIM ELEVATION	INV (N)	INV (S)	INV (E)	INV (W)	INV (NW)	INV (NE)	INV (SE)	INV (SW)
S101	CATCH BASIN, TYPE C, TYPE 11 FRAME AND GRATE	12+97.50	11.00' RT	617.31						614.31		
S102	INLET, TYPE A, TYPE 11 FRAME AND GRATE	13+60.49	24.26' LT	616.32						613.45		
S103	CATCH BASIN, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	13+74.41	24.21' LT	616.30							613.30	613.40
S104	INLET, TYPE A, TYPE 11 FRAME AND GRATE	20+34.45	29.92' RT	616.82					613.82			
S105	CATCH BASIN, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	20+86.44	0.00' LT/RT	616.53	613.40						613.50	
S106	MANHOLE, TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE	13+75.52	25.00' RT	617.03		613.25			613.05	612.80		613.70
S107	MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	13+85.70	32.02' RT	616.95	612.50							612.60
S108	CATCH BASIN, TYPE C, TYPE 11 FRAME AND GRATE	14+27.86	23.29' RT	616.72		612.60						
S109	CATCH BASIN, TYPE C, TYPE 11 FRAME AND GRATE	14+34.35	23.00' RT	616.62	612.40	612.50						
S110	CATCH BASIN, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	14+59.26	23.00' RT	616.14		612.15		612.05				
S111	CATCH BASIN, TYPE C, TYPE 11V FRAME AND GRATE	14+59.26	25.15' LT	615.92			612.92					
S112	MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	14+59.26	17.41' RT	616.18	611.68	611.78	612.00	612.50				
S113	INLET, TYPE A, TYPE 11 FRAME AND GRATE	14+98.28	26.77' RT	615.50				612.50				
S114	MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	14+98.31	19.69' RT	615.58	611.25	611.35	612.43	611.50				
S115	INLET, TYPE A, TYPE 11 FRAME AND GRATE	109+71.23	45.62' RT	615.37			612.71					
S116	CATCH BASIN, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	14+92.32	42.13' LT	615.26			612.12	612.22				

STORM SEWER PIPE SCHEDULE										
PIPE #	FROM	TO	CLASS	TYPE	LENGTH (FT)	DIA (IN)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TBF (CY)
P101	S101	S106	A	1	92	12	0.66%	614.31	613.70	9.7
P102	S102	S103	A	1	10	12	0.50%	613.45	613.40	0.8
P103	S103	S106	WM QUAL	N/A	49	12	0.51%	613.30	613.05	6.5
P104	S104	S105	A	1	60	12	0.53%	613.82	613.50	5.4
P105	S105	S106	WM QUAL	N/A	21	12	0.71%	613.40	613.25	2.7
P106	S106	S107	WM QUAL	N/A	16	15	1.25%	612.80	612.60	3.4
P107	S107	S112	A	2	90	15	0.80%	612.50	611.78	21.4
P108	S108	S109	A	1	8	12	1.25%	612.60	612.50	1.6
P109	S109	S110	A	2	25	12	1.00%	612.40	612.15	5.1
P110	S110	S112	A	2	5	12	1.00%	612.05	612.00	1.0
P111	S111	S112	WM QUAL	N/A	42	12	1.00%	612.92	612.50	5.0
P112	S112	S114	A	2	39	15	0.85%	611.68	611.35	9.0
P113	S113	S114	A	1	7	12	1.00%	612.50	612.43	0.7
P114	S114	EX STR	A	2	11	15	1.00%	611.25	611.14	2.7
P115	S115	S116	A	1	49	12	1.00%	612.71	612.22	3.5
P116	S116	S114	WM QUAL	N/A	62	12	1.00%	612.12	611.50	9.0

EARTHWORK SUMMARY						
	TOPSOIL STRIPPING (CU YD)	UNDERCUTS (CU YD)	CUT VOLUME (EARTH EXCAVATION) (CU YD)	EXCAVATION AVAILABLE FOR EMBANKMENTS ADJUSTED BY 15% SHRINKAGE FACTOR (CU YD)	EMBANKMENT (FILL) (CU YD)	EARTHWORK BALANCE ("+" = WASTE, "-" = SHORTAGE) (CU YD)
MUSEUM DRIVE	193	148	841	715	7	708
95TH STREET	0	24	57	48	0	48
50TH COURT	0	35	169	144	0	144
PROJECT TOTALS	193	207	1,067	907	7	900

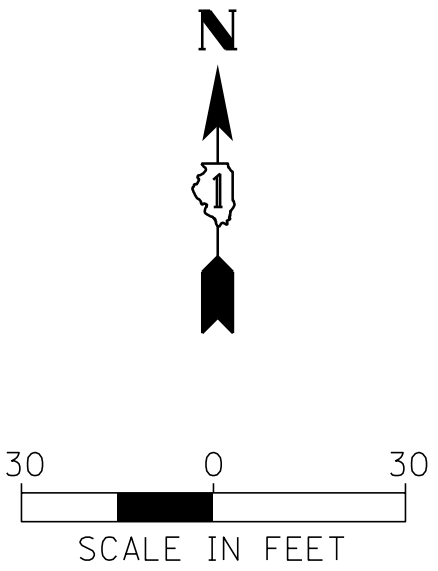
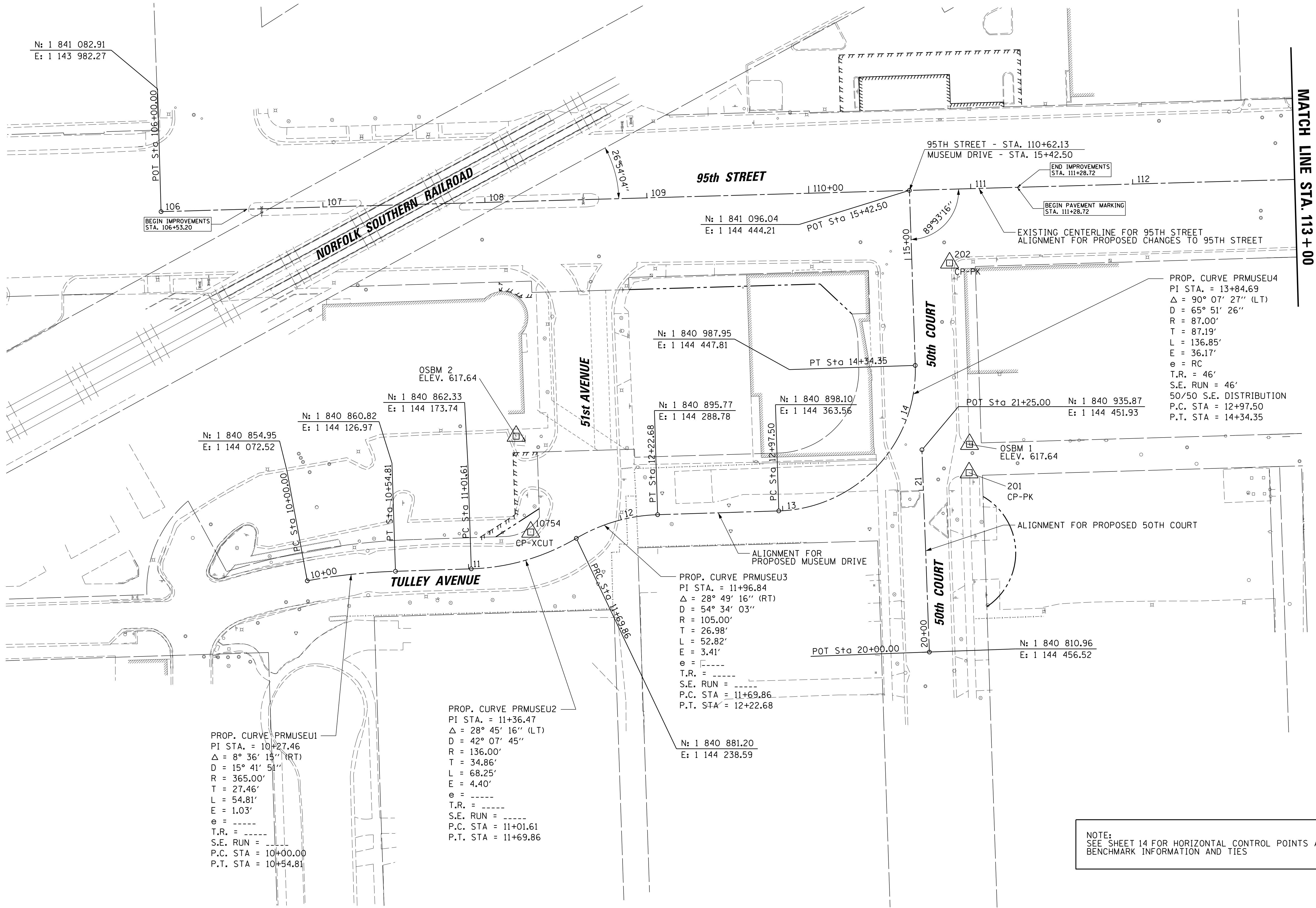
UNDERCUTS ASSUMED TO BE 25% OF PAVEMENT
AREA AND 12" DEEP

TOTAL REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL =
193 CU YD FROM TOPSOIL STRIP
+ 58 CU YD FROM UNDERCUT
= 251 CU YD

EARTH EXCAVATION (20200100)	1067 CU YD
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)	251 CU YD
AGGREGATE SUBGRADE IMPROVEMENT (30300001)	207 CU YD

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		

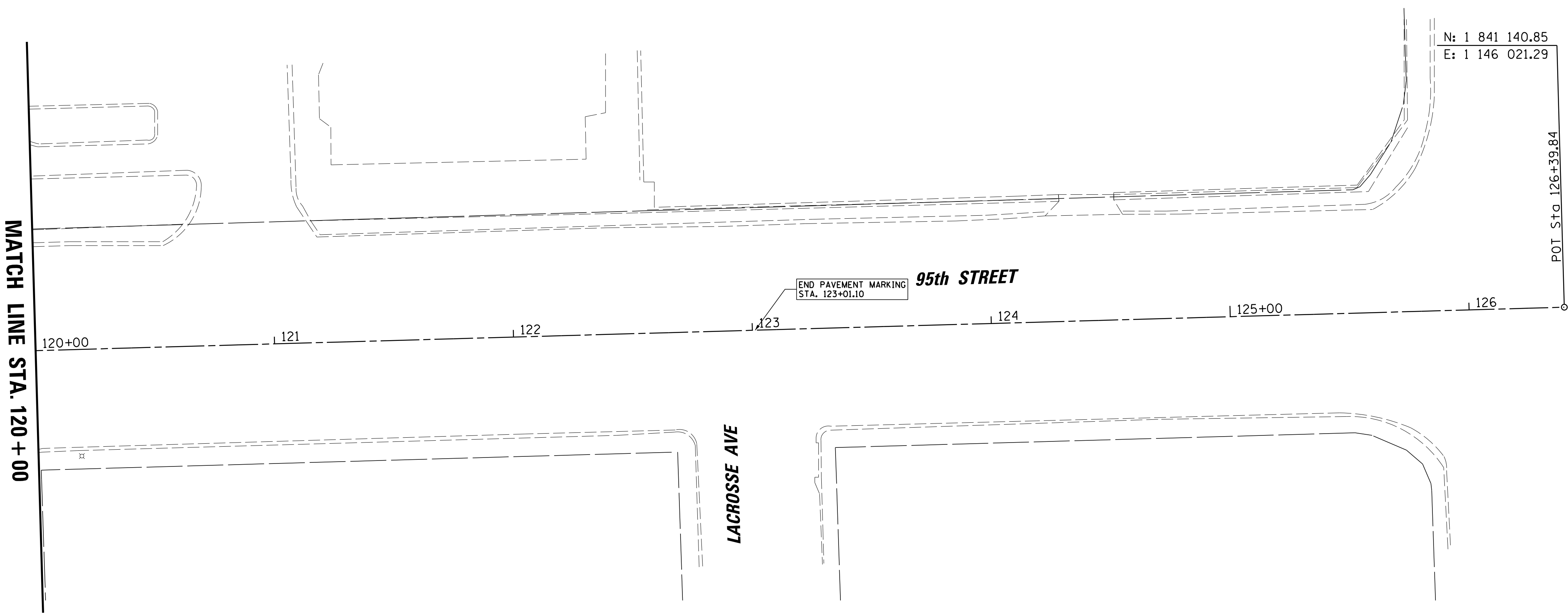
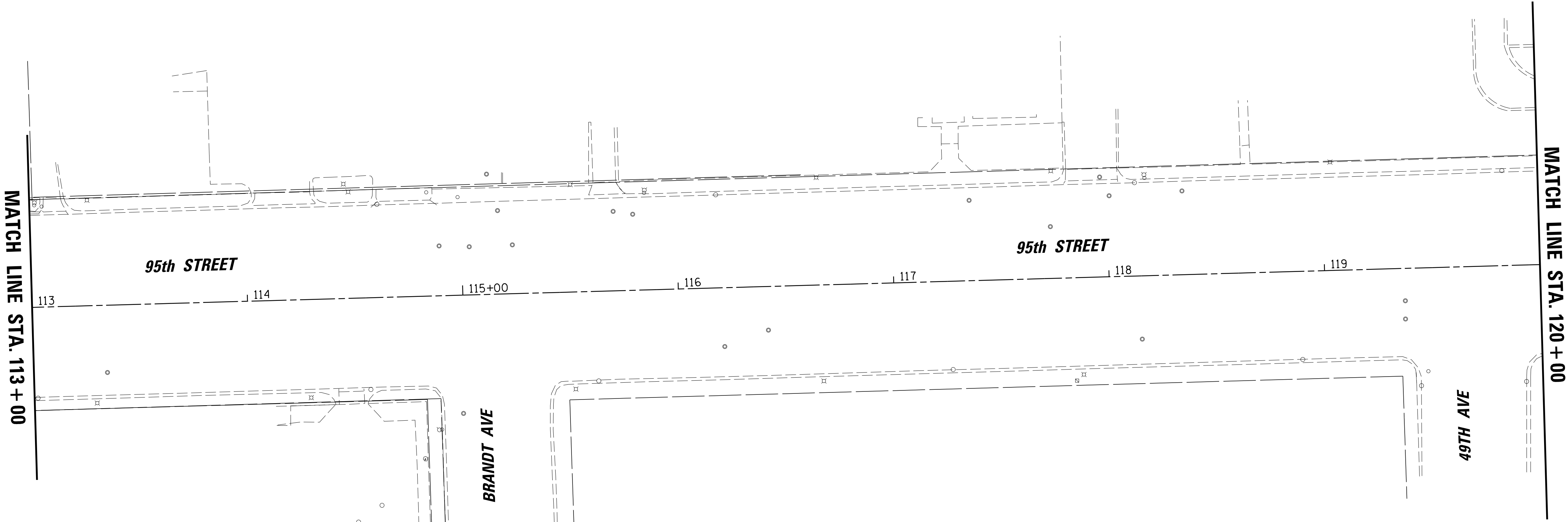


NOTE:
SEE SHEET 14 FOR HORIZONTAL CONTROL POINTS AND
BENCHMARK INFORMATION AND TIES

FILE NAME =	USER NAME = wbioftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MUSEUM DRIVE /50TH COURT /95TH STREET ALIGNMENT, TIES, AND BENCHMARKS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default Default	PLOT SCALE = 30'	CHECKED -	REVISED -		SCALE: 30 SHEET 1 OF 3 SHEETS STA. 10+00 TO STA. 113+00				CONTRACT NO. 61F37				
	PLOT DATE = 4/8/2019	DATE -	REVISED -									ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NOTED		
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NOTE BOOK NO.			

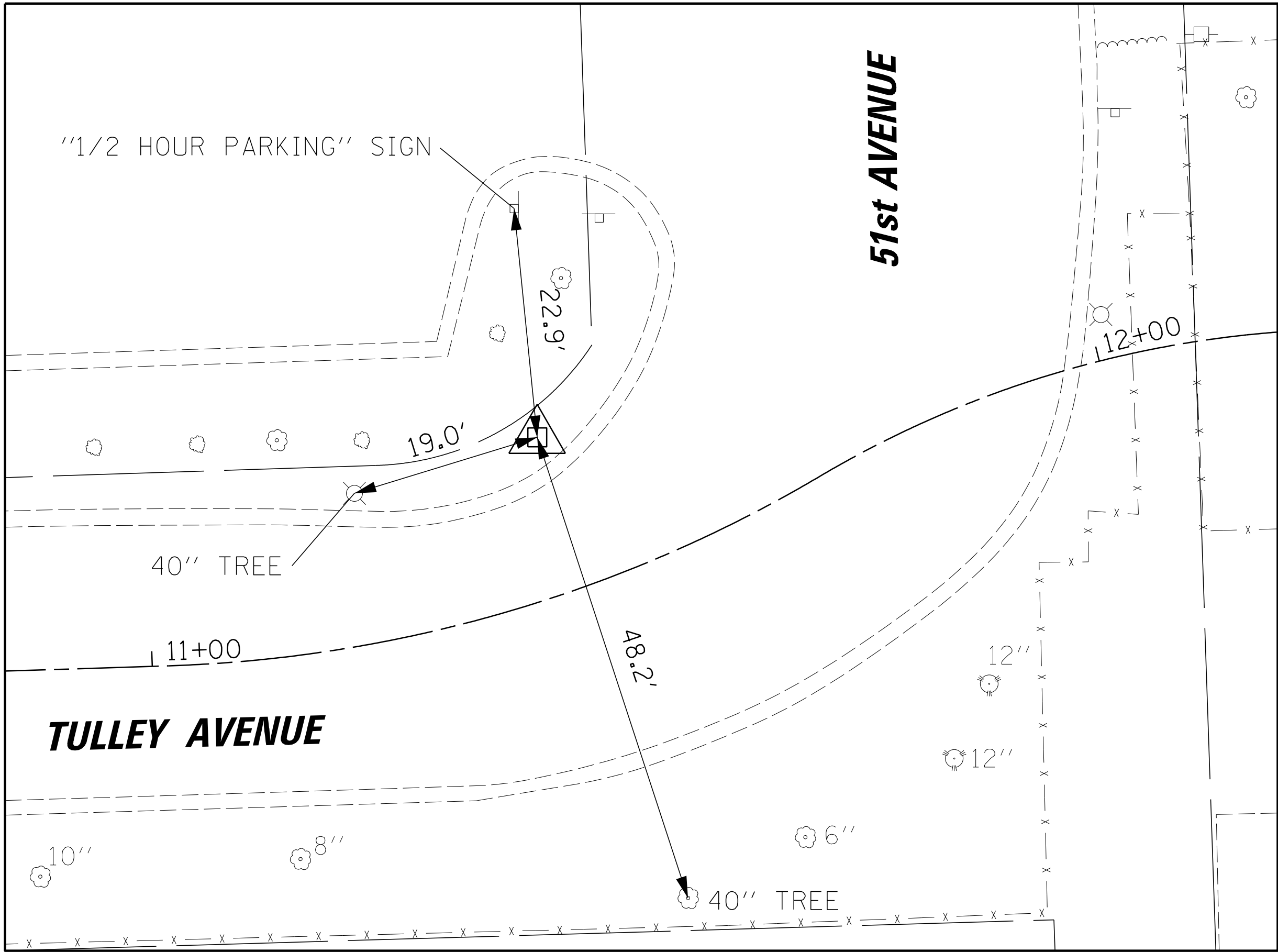
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	PLOTTED		
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	NOTED		
	STRUCTURE NOTATIONS CHKD		
NOTE BOOK NO.			



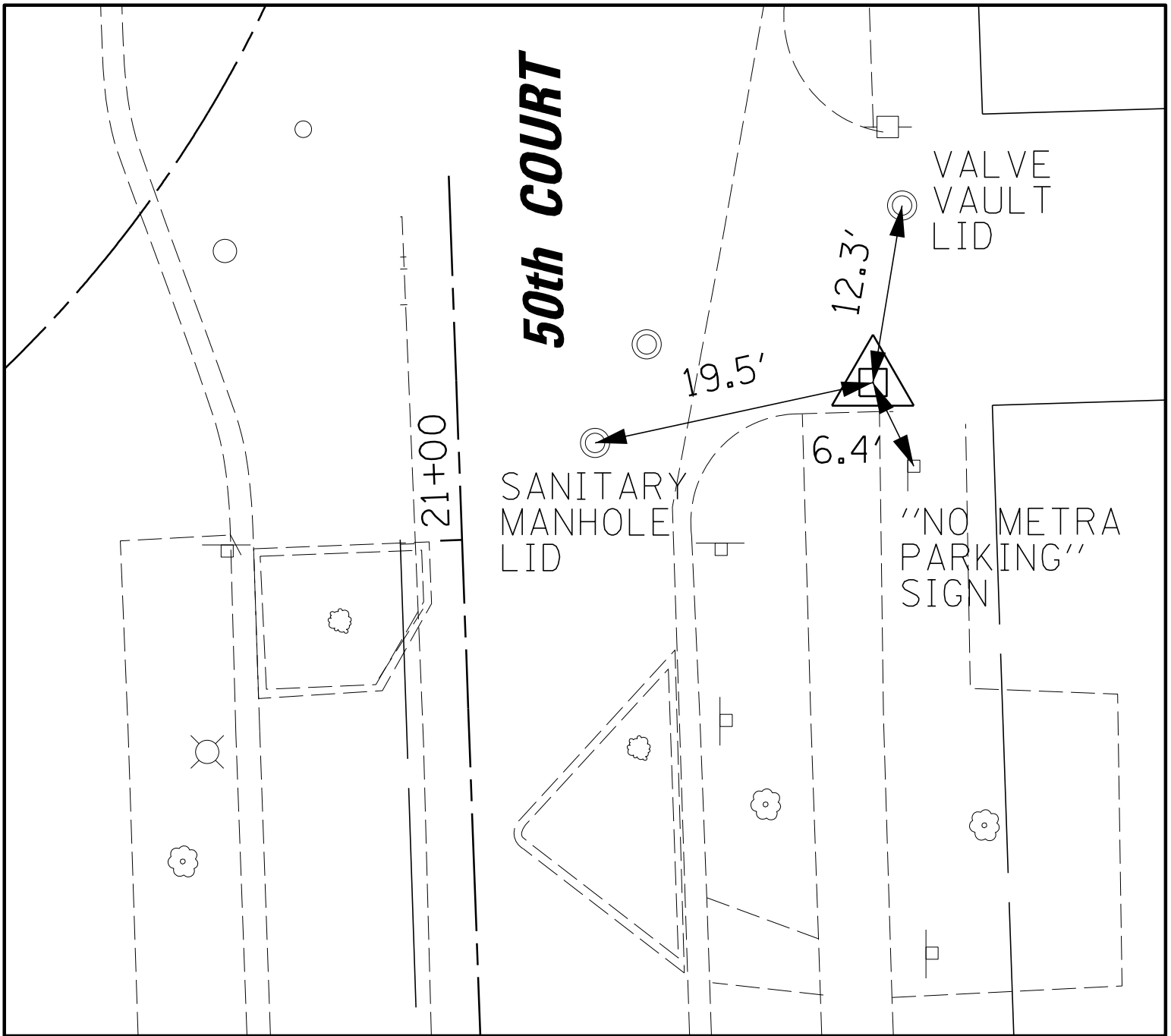
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	Stage1_02.sht	DRAWN -	REVISED -						0029	05-00167-01-TL	COOK	86	13
	PLOT SCALE = 30'	CHECKED -	REVISED -						CONTRACT NO. 61F37				
	PLOT DATE = 4/8/2019	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
				SCALE: 30		SHEET 2 OF 3 SHEETS		STA. 113+00 TO STA. 126+39.84					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	CHECKED		
	ATTESTED		
	PAID FILE NAME		
	No.		

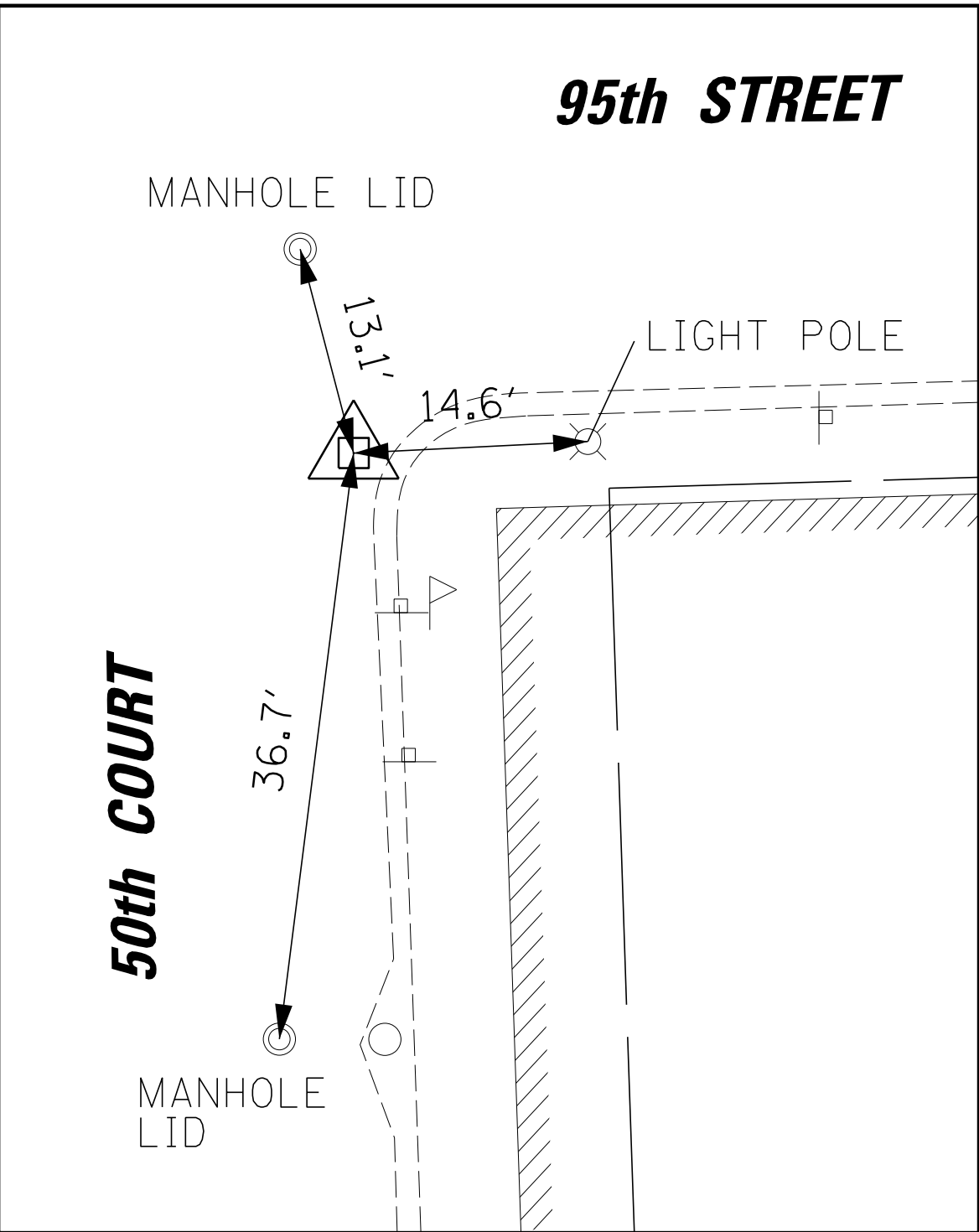
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	GRADES CHECKED		
	STRUCTURE NOTATIONS CHK'D		
	No.		



CP 10754 - X CUT
STA. 11+44.56, 15.58' LT
N 1 840 885.05
E 1 144 210.43



CP 201 - PK NAIL
STA. 21+09.75, 28.58' RT
N 1 840 921.68
E 1 144 481.05



CP 202 - PK NAIL
STA. 14+96.89, 23.26' RT
N 1 841 051.24
E 1 144 468.98

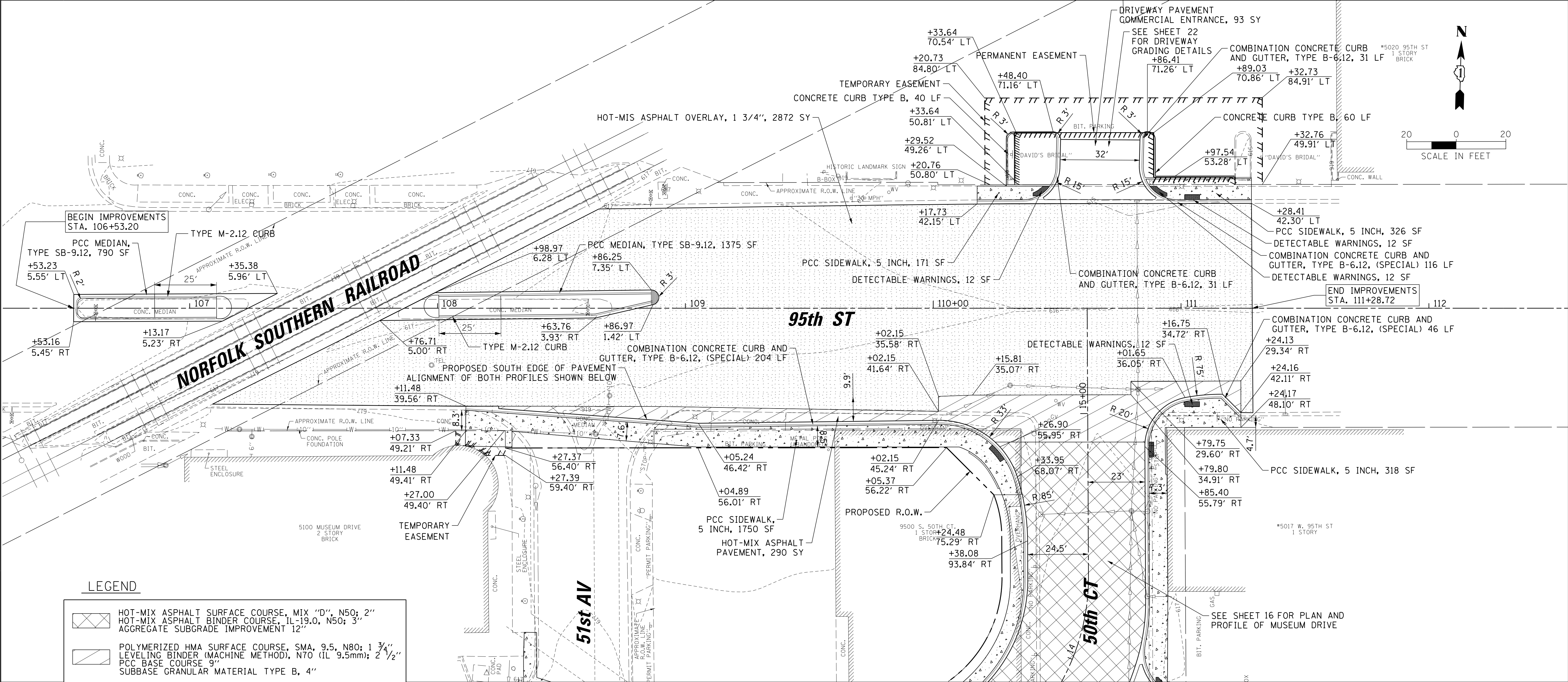
HORIZONTAL CONTROL POINTS						
CONTROL POINTS △	TULLEY AVENUE - 50TH COURT					
	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET	ELEVATION
CP 10754	1, 840, 885.05	1, 144, 210.43	X CUT	11+44.56	15.58' LT	617.43
CP 201	1, 840, 921.68	1, 144, 481.05	PK NAIL	21+09.75	28.58' RT	616.65
CP 202	1, 841, 051.24	1, 144, 468.98	PK NAIL	14+96.89	23.26' RT	615.71

ELEVATION BENCHMARKS DATUM:NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 1	RAILROAD SPIKE ON WEST FACE OF THE FIRST POWER POLE ON THE EAST SIDE OF 50TH COURT, SOUTH OF 95TH STREET	617.64
OSBM 2	SQUARE CUT ON THE NORTHWEST CORNER OF THE CONCRETE PAD FOR ELECTRIC TRANSFORMER ON WEST SIDE OF MUSEUM DRIVE, SOUTH OF 95TH STREET	617.38

FILE NAME =	USER NAME = wbioftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MUSEUM DRIVE /50TH COURT ALIGNMENT, TIES, AND BENCHMARKS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Civil\Stage 1\ATB-160482-Stage1.03.shx	Stage1.03.shx	DRAWN -	REVISED -					0029	05-00167-01-TL	COOK	86	14
Default		PLOT SCALE = 10'	REVISED -		SCALE: 10			CONTRACT NO. 61F37				
Default		PLOT DATE = 4/8/2019	REVISED -		SHEET 3 OF 3 SHEETS			ILLINOIS FED. AID PROJECT				

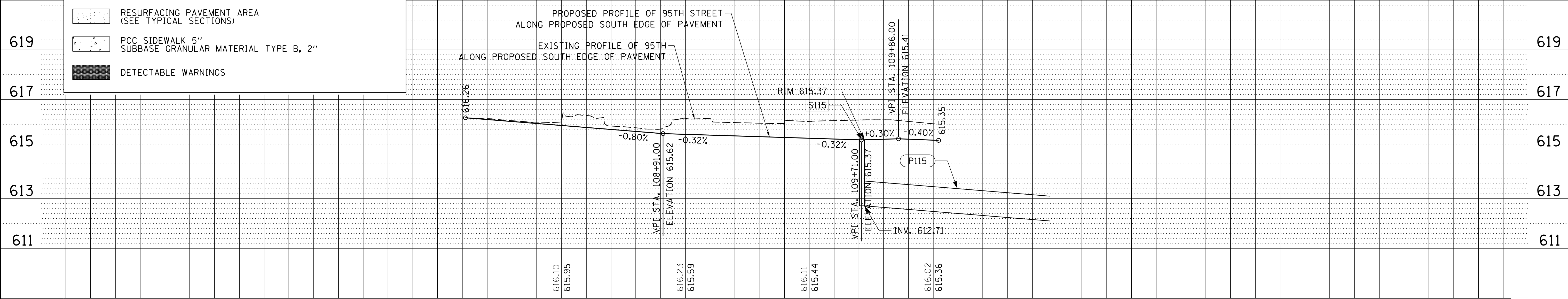
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NOTE BOOK	PLOTTED		
NO.	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	NOTATIONS CHKD		



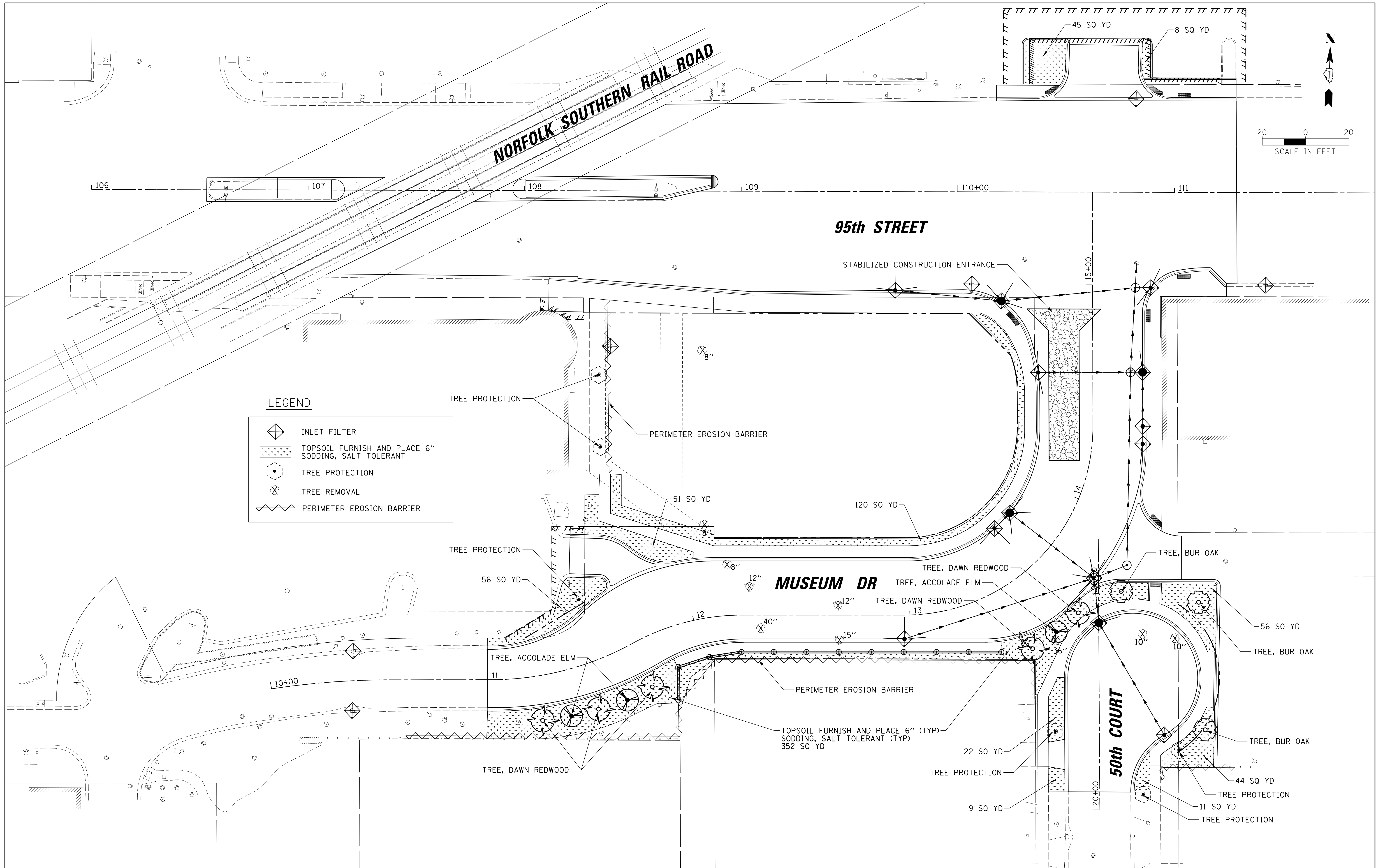
LEGEND

- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 3"
- AGGREGATE SUBGRADE IMPROVEMENT 12"
- POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, N80; 1 3/4"
- LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5mm); 2 1/2"
- PCC BASE COURSE 9"
- SUBBASE GRANULAR MATERIAL TYPE B, 4"
- RESURFACING PAVEMENT AREA (SEE TYPICAL SECTIONS)
- PCC SIDEWALK 5" SUBBASE GRANULAR MATERIAL TYPE B, 2"
- DETECTABLE WARNINGS



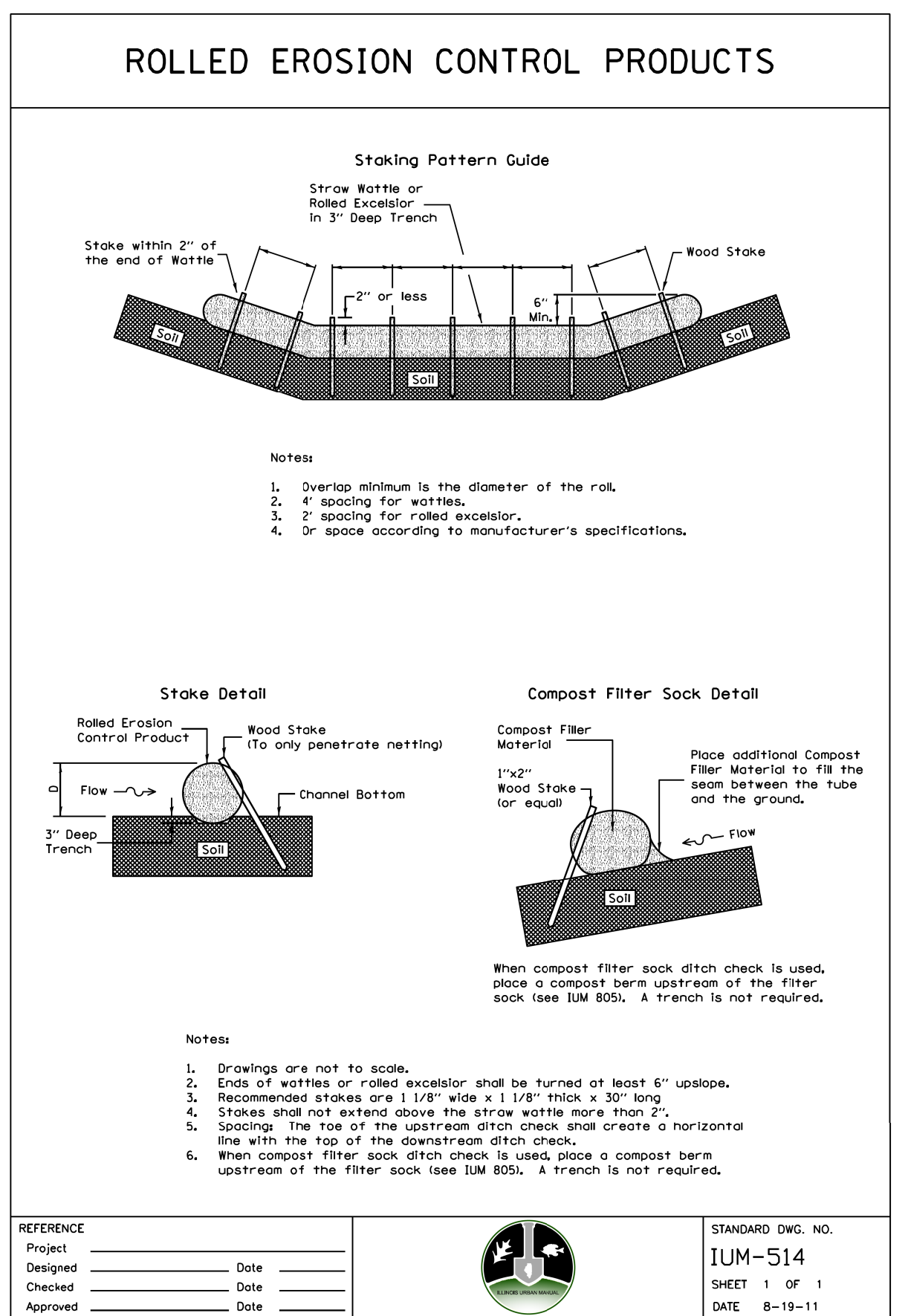
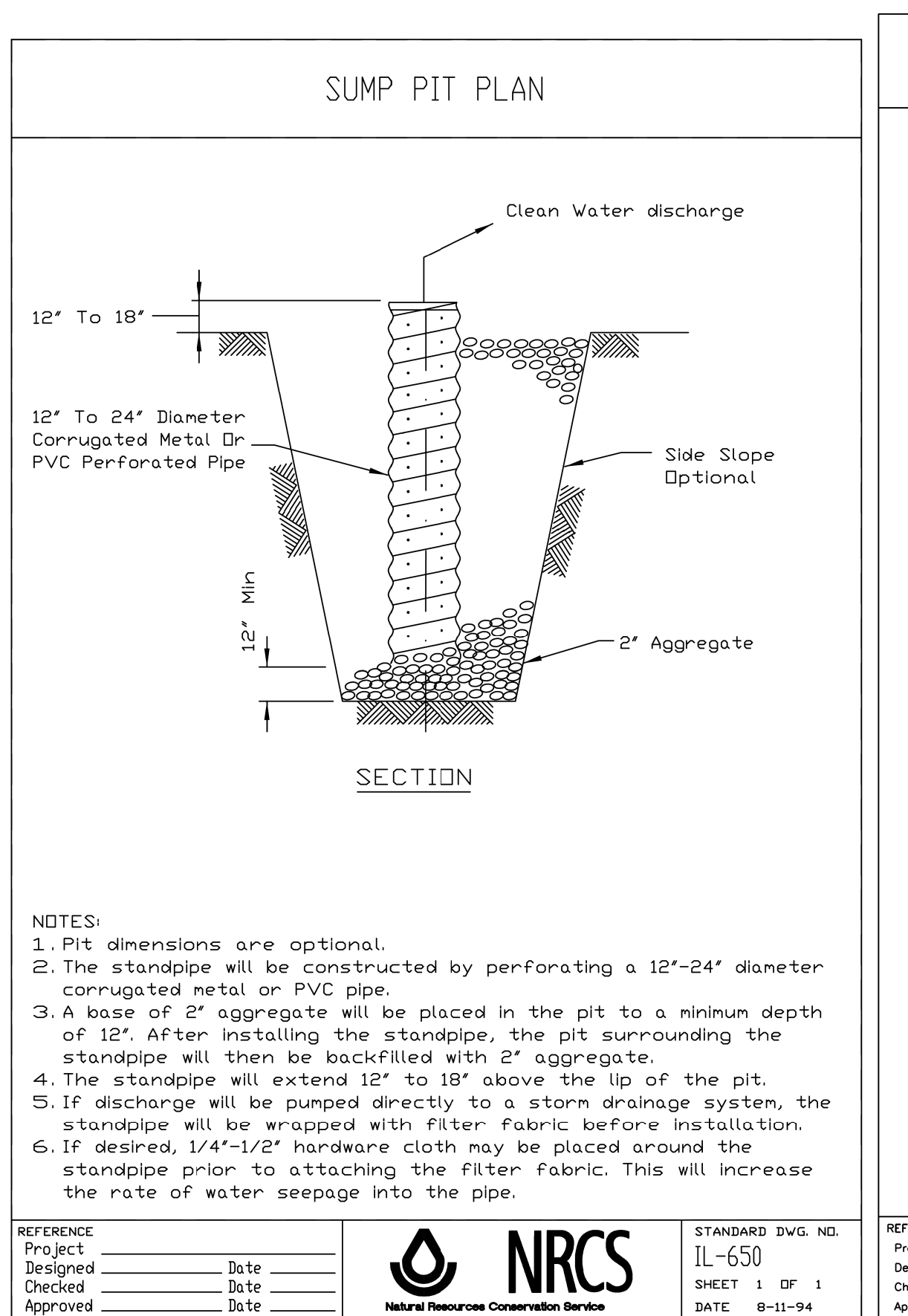
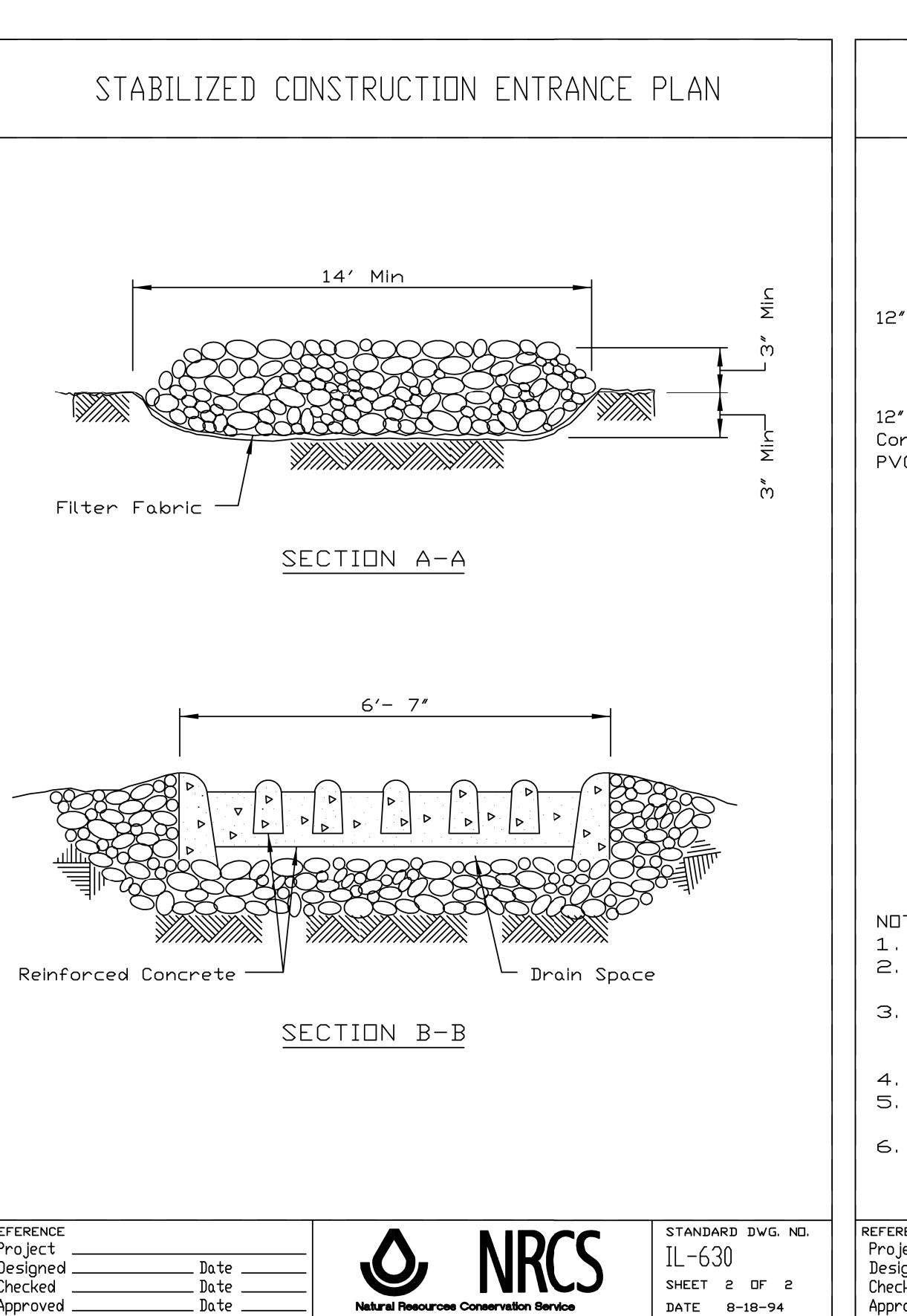
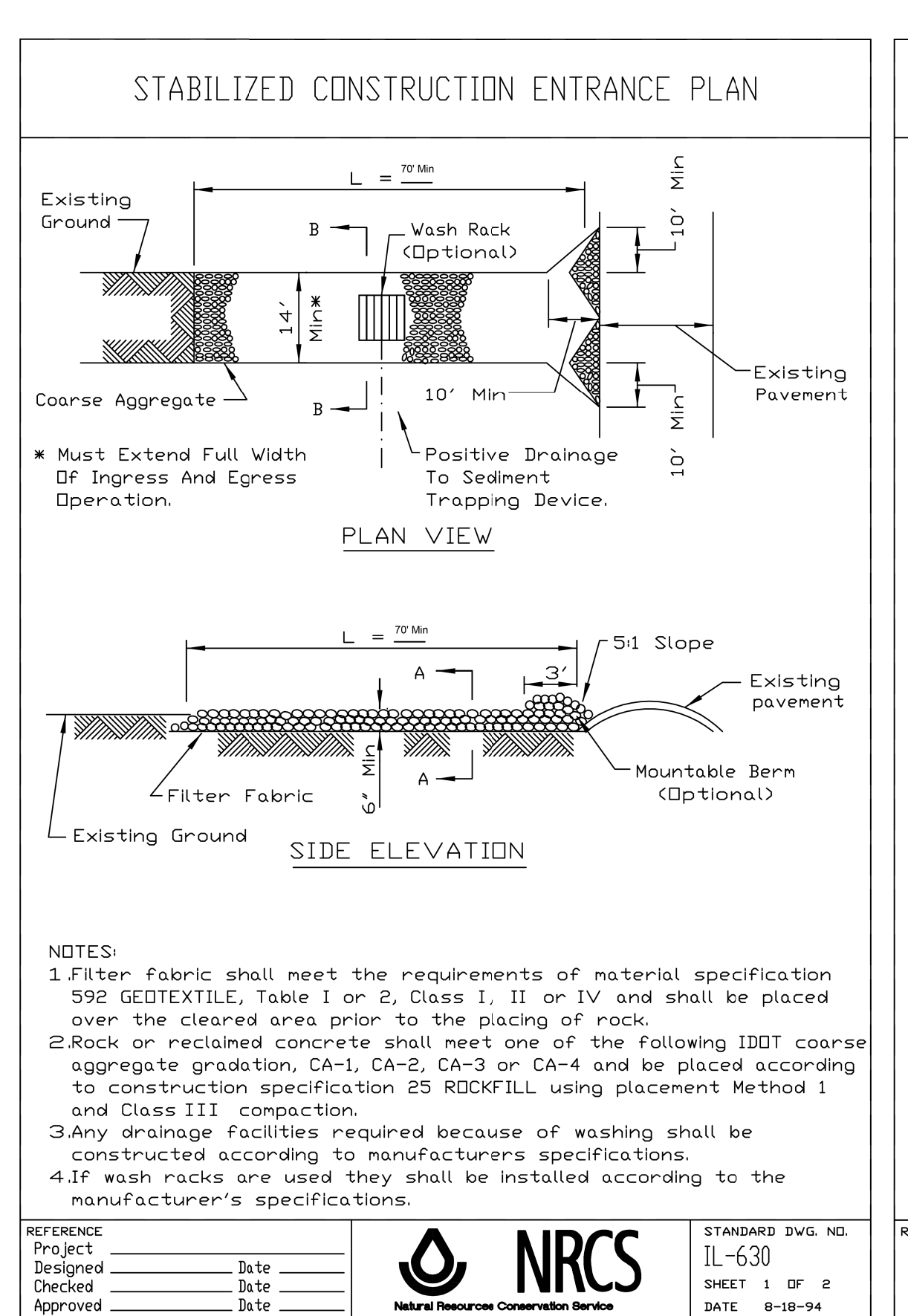
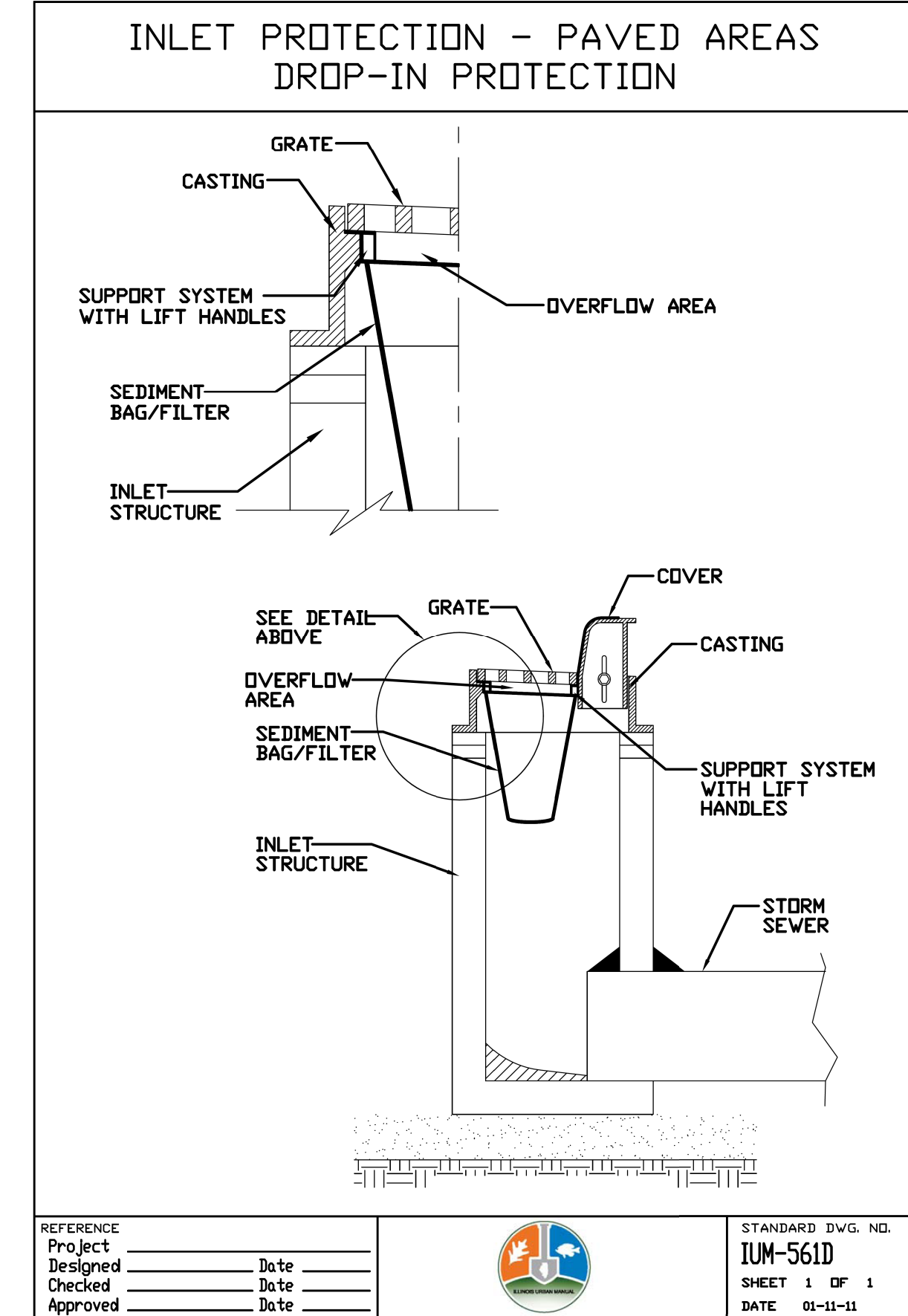
FILE NAME =	USER NAME = wbiofms	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	95TH STREET ROADWAY PLAN AND PROFILE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Civil\Stage 1\RPP-160482_Stage1_02.sht		DRAWN -	REVISED -						0029	05-00167-01-TL	COOK	86	17
PLOT SCALE = 20'		CHECKED -	REVISED -		CONTRACT NO. 61F37								
PLOT DATE = 4/8/2019		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
Default					SCALE: 20H 5V	SHEET	OF	SHEETS	STA.	TO STA.			

PROFILE	SURVEYED _____	BY	DATE
	PLOTTED _____		
NOTE BOOK	GRADES CHECKED _____		
NO. _____	B.M. NOTED _____		
	STRUCTURE NOTATIONS CHECKED _____		



FILE NAME =	USER NAME = wblofus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	50TH COURT /MUSEUM DRIVE EROSION CONTROL AND LANDSCAPING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Civil\Stage1\NERO-160482\Stage1.01.sht	DRAWN -	REVISED -	0029					05-00167-01-TL	COOK	86	18	
PLOT SCALE = 20'	CHECKED -	REVISED -	CONTRACT NO. 61F37									
Default Default PLOT DATE = 4/8/2019	DATE -	REVISED -	SCALE: 20		SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					

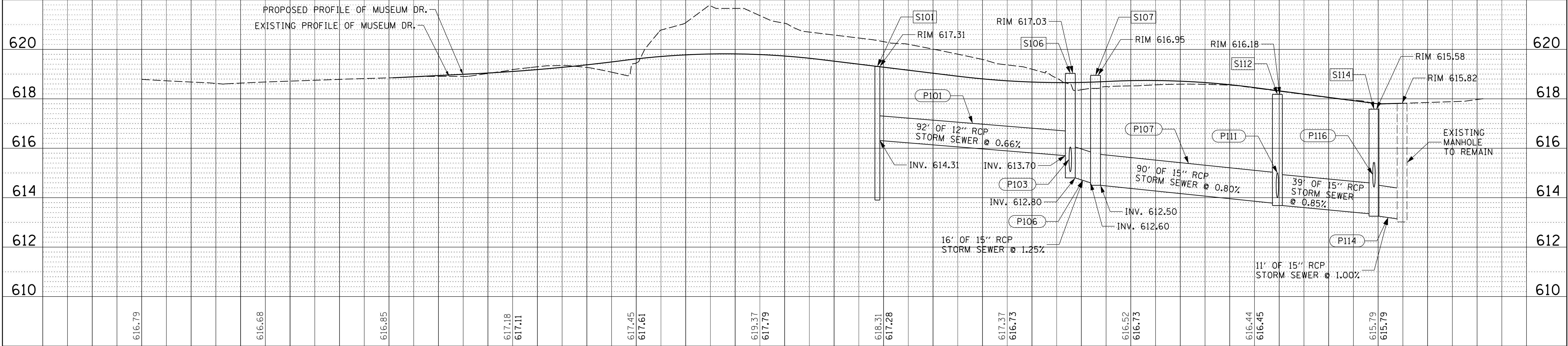
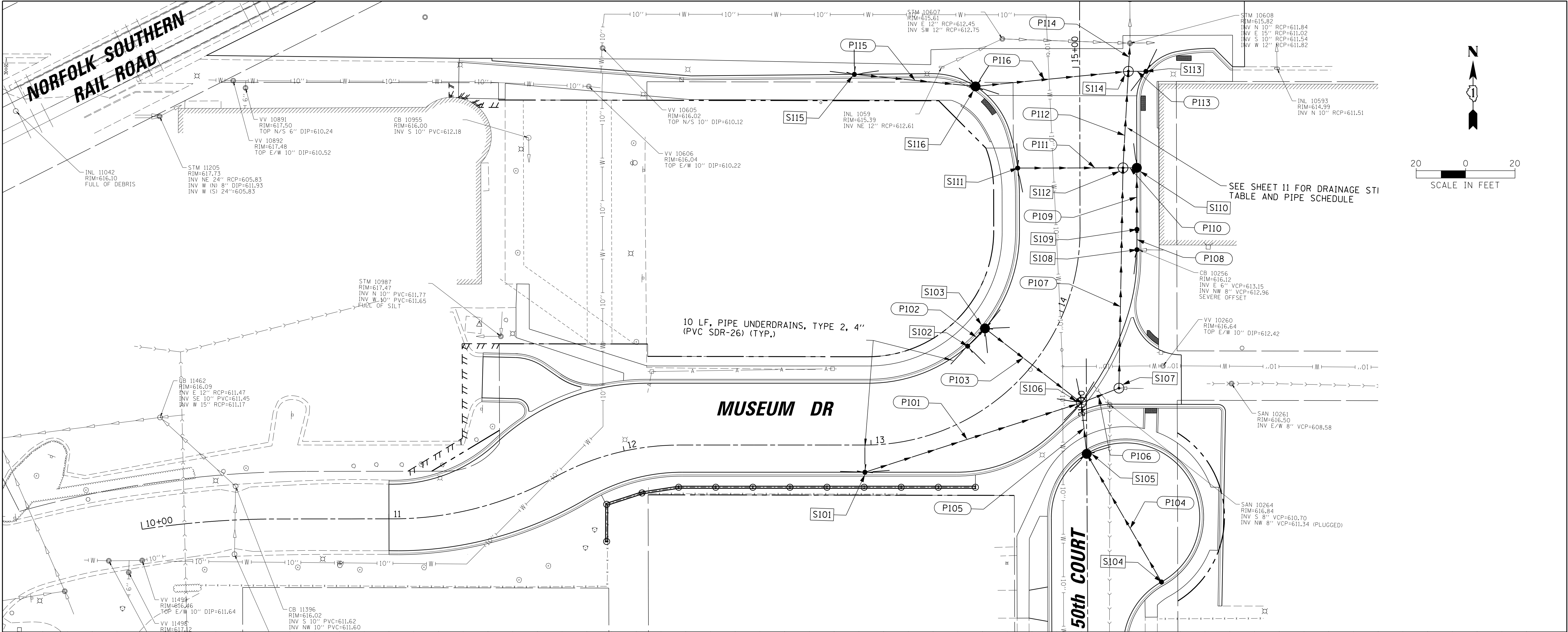
PROFILE		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	GRADES CHECKED		
	B.M. NOTED		
NO. _____	STRUCTURE NOTATIONS CHECKED		



FILE NAME =	USER NAME = wblofus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	50TH COURT /MUSEUM DRIVE EROSION CONTROL DETAILS					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\DokLawn\160482\Civil\Stage 1\ERO-160482_Stage1.02.sht		DRAWN -	REVISED -							0029	05-00167-01-TL	COOK	86	19
Default	PLOT SCALE = 20'	CHECKED -	REVISED -		CONTRACT NO. 61F37									
Default	PLOT DATE = 4/8/2019	DATE -	REVISED -											
					SCALE: 20	SHEET 1 OF 1 SHEETS	STA. TO STA.							

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	STRUCTURE NOTATIONS CHKD		

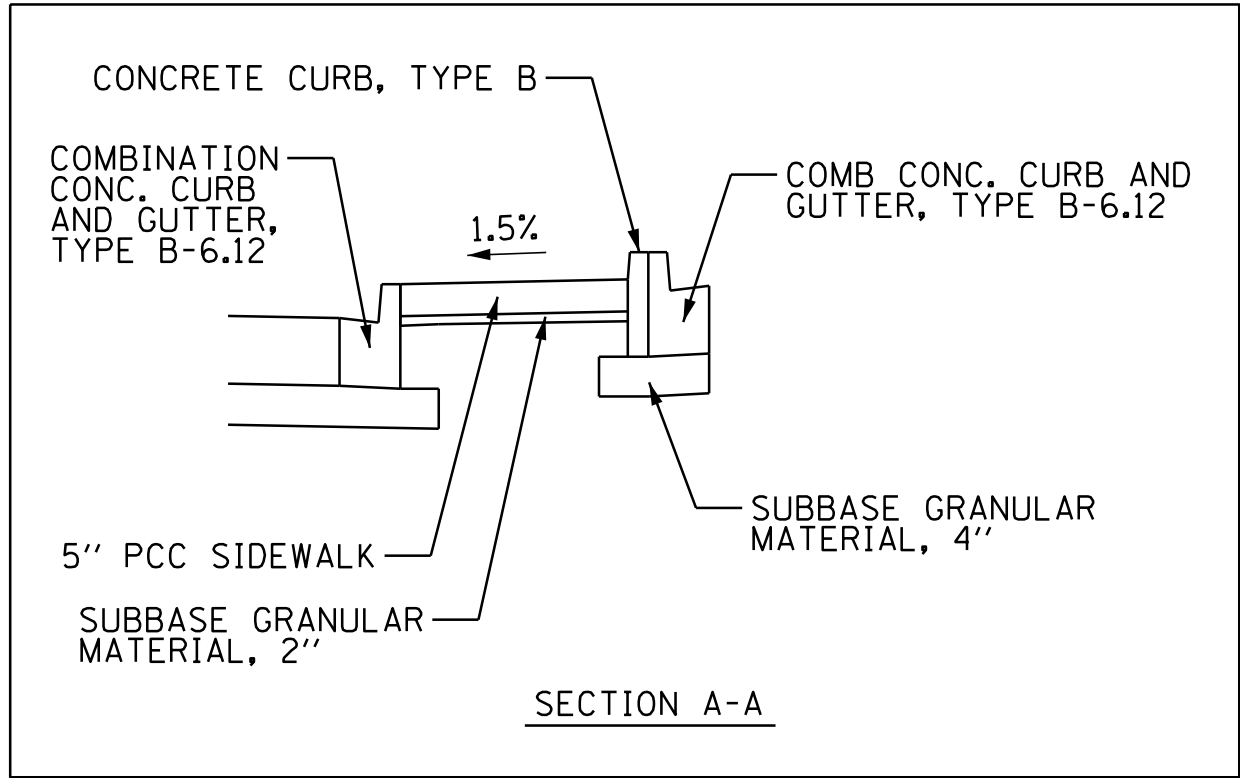


FILE NAME =	USER NAME = wbioftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	50TH COURT /MUSEUM DRIVE DRAINAGE PLAN AND PROFILE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Civil\Stage 1\DDP-160482_Stage1_01.sht		DRAWN -	REVISED -						0029	05-00167-01-TL	COOK	86	20
Default		CHECKED -	REVISED -		CONTRACT NO. 61F37								
Default	PLOT DATE = 4/8/2019	DATE -	REVISED -		SCALE: 20H 5V	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	PLOTTED	CHECKED	ALIGNED	FILE NAME
NOTE BOOK	NO.				
BY	DATE				

PROFILE	SURVEYED	PLOTTED	CHECKED	ALIGNED	FILE NAME
NOTE BOOK	NO.				
BY	DATE				

CUL-DE-SAC GRADING PLAN							
POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
A	20+00.00	14.50' LT	617.13	L	20+23.40	18.49' RT	616.98
B	20+00.00	1.44' RT	617.56	M	20+43.19	14.42' LT	616.83
C	20+00.00	14.30' RT	617.18	N	20+43.06	8.02' RT	617.36
D	20+08.46	14.53' LT	617.06	O	20+28.93	22.70' RT	616.91
E	20+08.29	1.81' RT	617.45	P	20+34.45	29.92' RT	616.82
F	20+08.17	14.30' RT	617.14	Q	20+60.57	14.46' LT	616.72
G	20+23.47	14.51' LT	616.96	R	20+60.77	15.54' RT	617.36
H	20+23.45	2.48' RT	617.39	S	20+60.98	45.54' RT	617.07
I	20+18.44	16.14' RT	617.04	T	20+86.44	0.00' RT	616.53
J	20+32.45	14.50' LT	616.90	U	20+90.77	15.68' RT	616.67
K	20+32.35	3.37' RT	617.36				



PROPOSED LIMIT OF RECONSTRUCTION

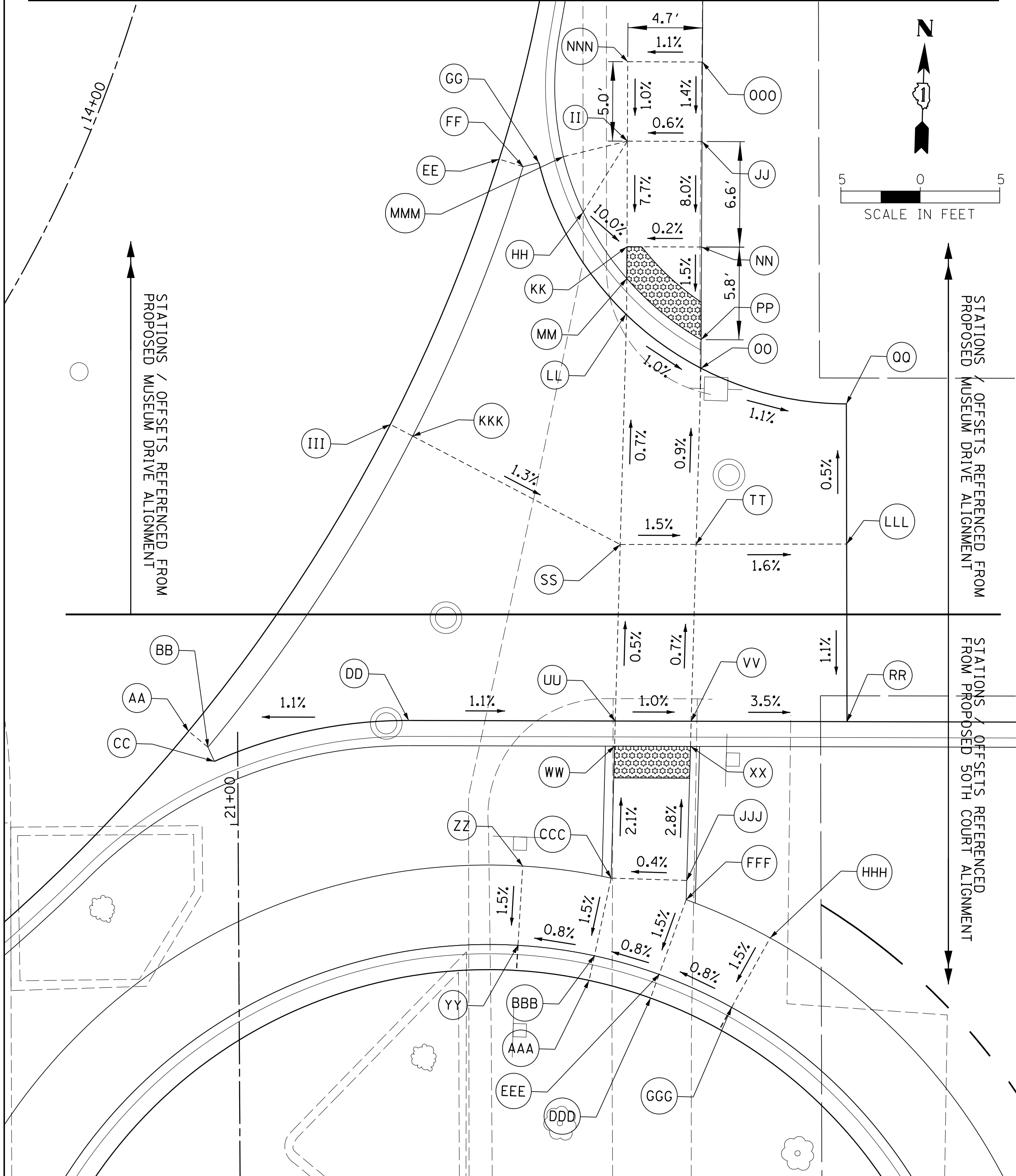
CB 10277
RIM=617.18
INV SE 8" RCP=614.64

STM 10276
RIM=617.68
INV NE 8" RCP=613.42
INV S 10" RCP=612.28
INV NW 8" RCP=613.20

CB 10275
RIM=617.35
INV SW 8" RCP=614.79

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

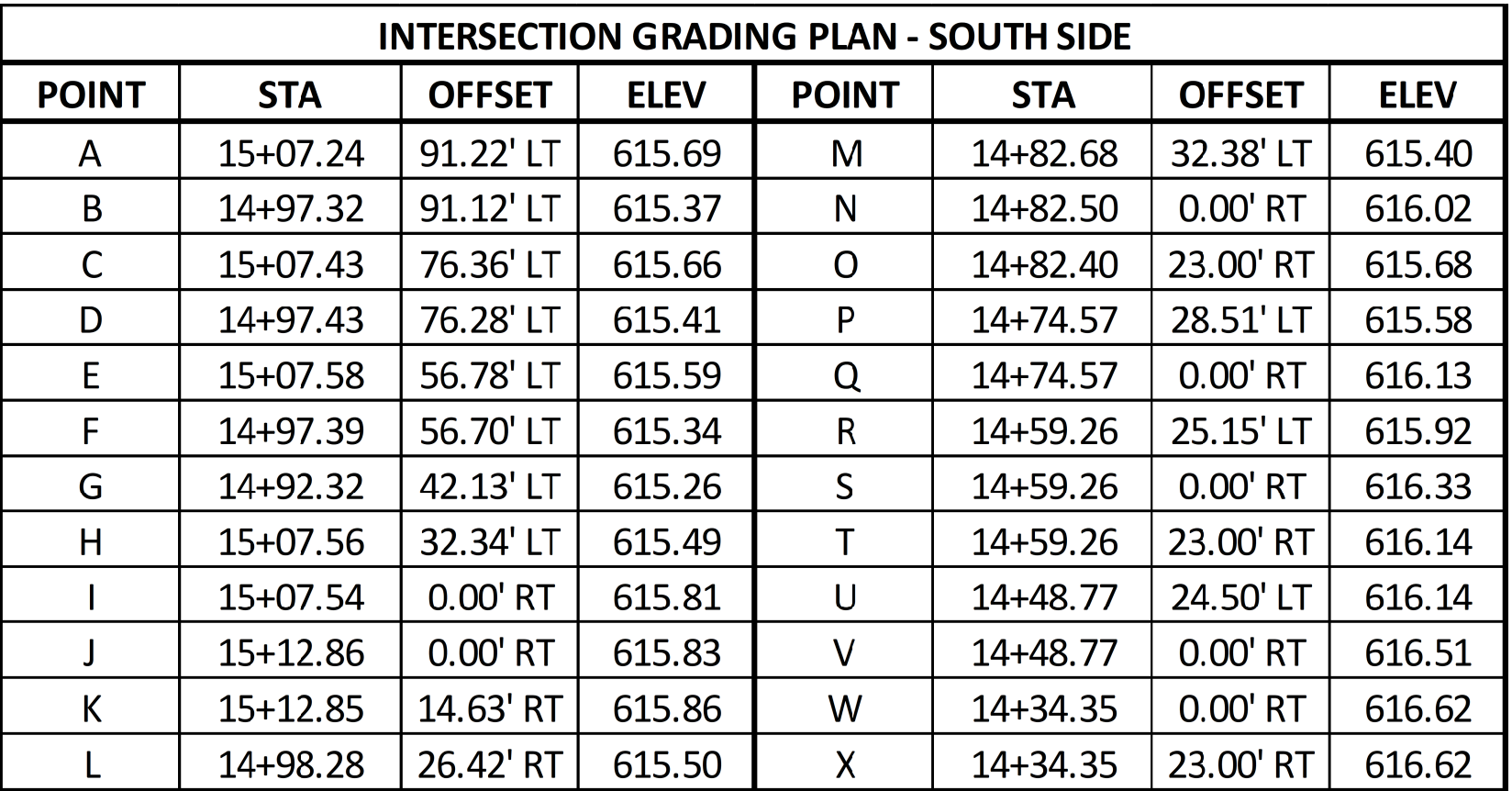
DRIVEWAY AND ADA RAMP GRADING PLAN											
POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
AA	21+05.89	3.08' LT	617.03	OO	14+00.57	41.22' RT	616.89	CCC	20+96.49	23.47' RT	617.25
BB	21+04.88	1.87' LT	617.09	PP	14+01.71	40.55' RT	616.88	DDD	20+88.93	25.91' RT	616.76
CC	21+03.98	1.48' LT	617.10	QQ	14+01.44	50.55' RT	616.79	EEE	20+90.41	26.45' RT	617.20
DD	21+06.48	10.79' RT	617.23	RR	21+06.25	38.37' RT	616.70	FFF	20+95.40	28.18' RT	617.28
EE	14+06.35	24.73' RT	616.96	SS	13+92.29	41.26' RT	617.03	GGG	20+88.31	31.01' RT	617.24
FF	14+06.36	26.32' RT	617.13	TT	13+93.75	45.51' RT	616.96	HHH	20+92.67	33.46' RT	617.32
GG	14+06.78	27.19' RT	617.14	UU	21+06.37	23.78' RT	617.09	III	13+92.29	24.94' RT	617.03
HH	14+05.21	30.80' RT	617.31	VV	21+06.33	28.56' RT	617.04	JJJ	20+96.31	28.22' RT	617.27
II	14+08.98	32.09' RT	617.47	WW	21+04.79	23.73' RT	617.08	KKK	13+92.29	26.52' RT	617.21
JJ	14+09.91	36.62' RT	617.50	XX	21+04.75	28.51' RT	617.03	LLL	13+96.38	54.04' RT	616.82
KK	14+04.40	34.14' RT	616.96	YY	20+92.29	17.58' RT	617.13	MMM	14+12.53	30.79' RT	617.58
LL	14+01.53	35.62' RT	616.95	ZZ	20+97.28	17.90' RT	617.21	NNN	14+12.53	30.79' RT	617.52
MM	14+03.05	34.81' RT	616.95	AAA	20+90.06	22.04' RT	616.73	OOO	14+13.34	35.36' RT	617.57
NN	14+05.48	38.47' RT	616.97	BBB	20+91.61	22.38' RT	617.17				



FILE NAME =	USER NAME = wbiofus	DESIGNED -	REVISED -
N:\OakLawn\160482\Civil\Stage 1\GRADING-160482-Stage1.01.sht		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

50th COURT / MUSEUM DRIVE										F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
GRADING PLAN / SIDEWALK RAMP DETAIL										0029	05-00167-01-TL		COOK	86	21	
SCALE: 10 / 5										SHEET 3 OF 4 SHEETS			STA.	TO STA.		
										CONTRACT NO. 61F37						
										ILLINOIS FED. AID PROJECT						

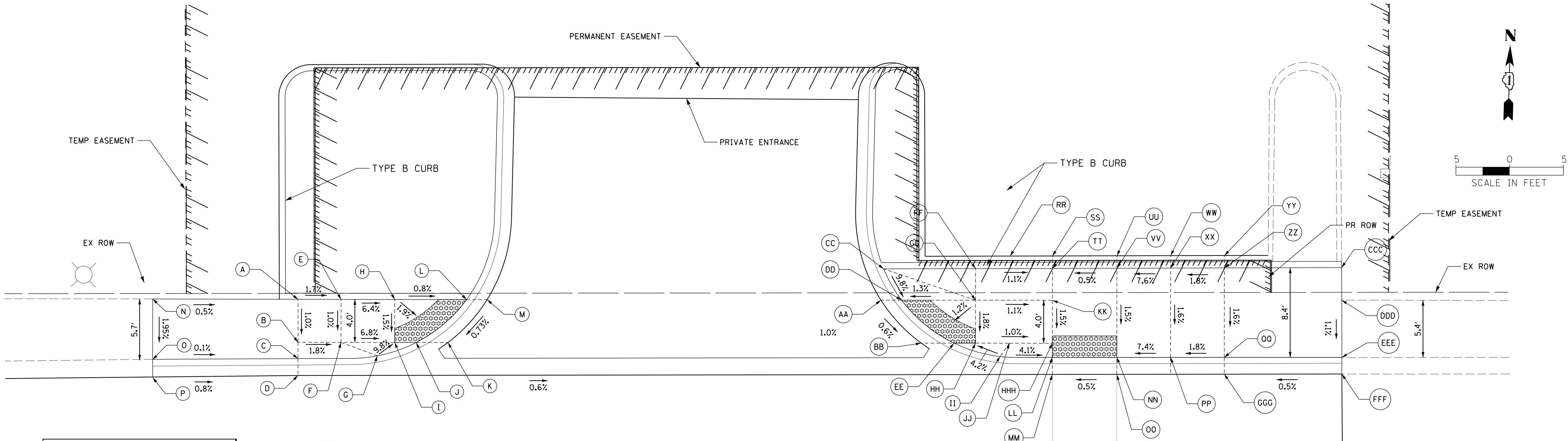
PROFILE	SURVEYED _____	BY	DATE
	PLOTTED _____		
NOTE BOOK	GRADES CHECKED _____		
NO. _____	B.M. NOTED _____		
	STRUCTURE NOTATIONS CHECKED _____		



FILE NAME =	USER NAME = wblofus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	95TH STREET / MUSEUM DRIVE INTERSECTION AND DRIVEWAY GRADING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Civil\Stage 1\GRADING-160482-Stage1_02.sht		DRAWN -	REVISED -					0029	05-00167-01-TL	COOK	86	22
PLOT SCALE = 10'		CHECKED -	REVISED -		CONTRACT NO. 61F37							
Default Default	DATE = 4/8/2019	DATE -	REVISED -		SCALE: 10	SHEET 4 OF 4 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NO.	BY	
NO.	CHECKED	
NO.	PLOTTED	
NO.	FILE NAME	

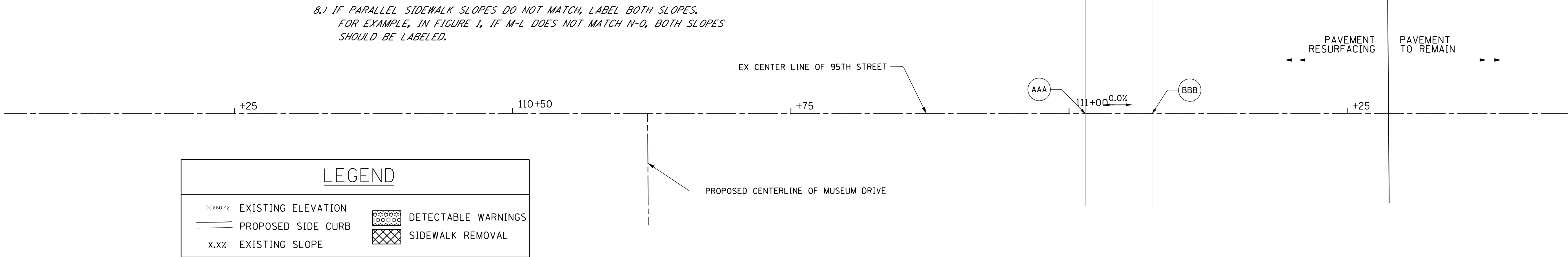
PROFILE	SURVEYED	DATE
NO.	BY	
NO.	CHECKED	
NO.	PLOTTED	
NO.	STRUCTURE	
NO.	NOTATIONS	

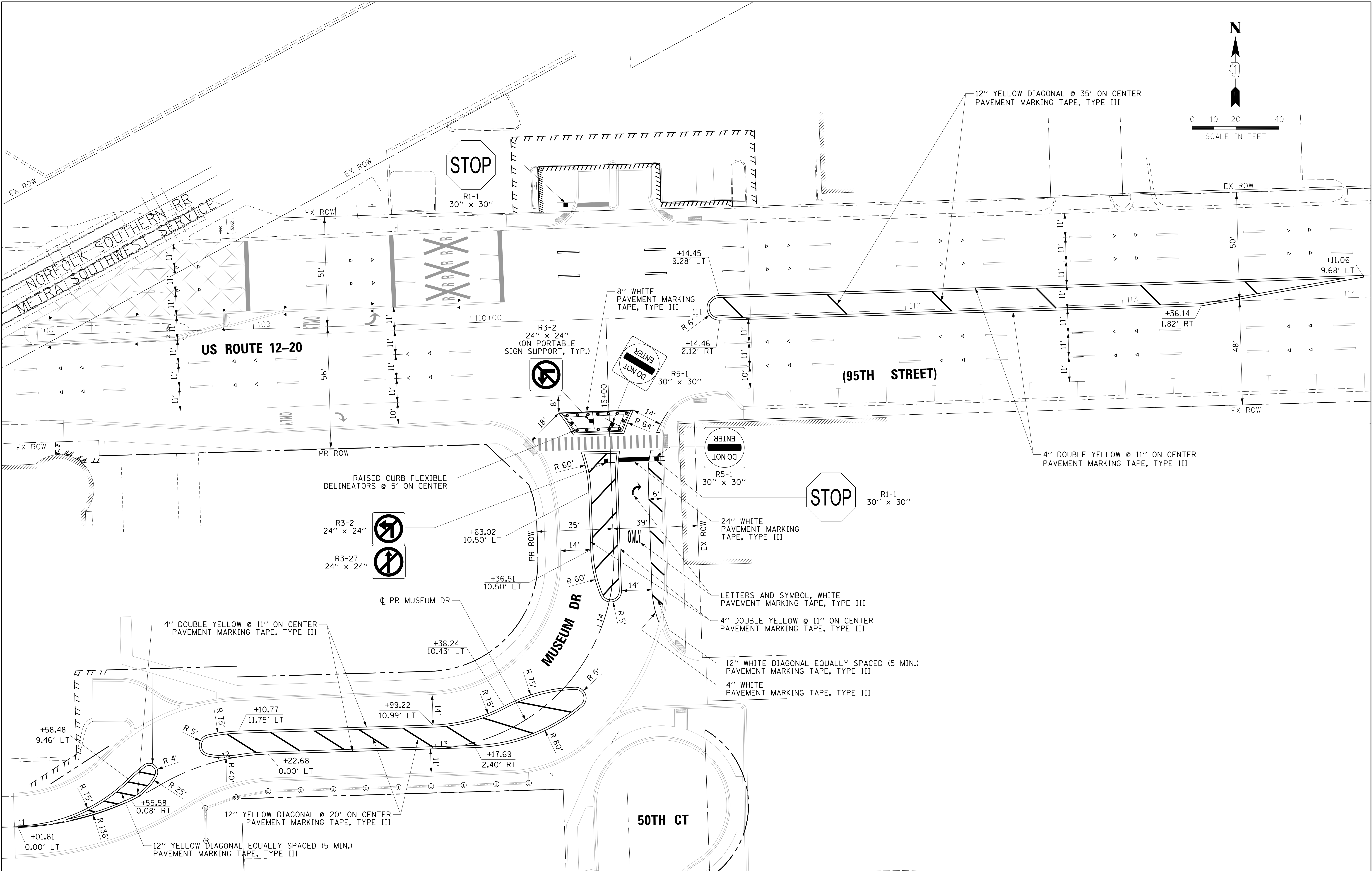


NORTHWEST CORNER			
POINT	STA	OFFSET	ELEV
A	110+31.25	49.25' LT	615.72
B	110+31.25	45.25' LT	615.68
C	110+31.25	43.74' LT	615.67
D	110+31.25	42.17' LT	615.23
E	110+35.27	49.24' LT	615.65
F	110+35.26	45.24' LT	615.61
G	110+38.65	44.00' LT	615.47
H	110+40.26	49.24' LT	615.33
I	110+40.26	45.24' LT	615.27
J	110+42.26	45.23' LT	615.23
K	110+45.22	45.23' LT	615.25
L	110+46.94	49.23' LT	615.28
M	110+48.86	49.23' LT	615.29
N	110+17.74	49.30' LT	615.79
O	110+17.73	43.66' LT	615.68
P	110+17.73	42.02' LT	615.34

- NOTES:
- 1.) THESE ADA DETAILS ARE FOR PRESENTATION PURPOSES. REFER TO THE CURRENT BDE MANUAL AND ADA/PROWAG GUIDELINES FOR DESIGN REQUIREMENTS.
 - 2.) FOLLOW LEGEND FOR LABELING EXISTING ELEVATIONS, SLOPES, AND LENGTHS.
 - 3.) ESTABLISH STATIONS/OFFSETS BASED ON 1 CENTERLINE FOR EACH CORNER.
 - 4.) SHOW EXISTING (PROPOSED) ABOVE GROUND UTILITIES AND SIGNS.
 - 5.) ELEVATIONS FOR POINTS P, O, R, AND S SHOULD MATCH WITH THEIR ASSOCIATED PROFILE.
 - 6.) IN ORDER TO ALLOW FOR CONSTRUCTION TOLERANCES THE CROSS SLOPES AND RAMP RUNNING SLOPES SHOULD BE DESIGNED TO THEIR MAXIMUM ALLOWABLE UNLESS NECESSARY. INSTEAD ALL CROSS SLOPES SHOULD BE DESIGNED AT 1.5% OR FLATTER WHEREAS RAMP RUNNING SLOPES SHOULD BE DESIGNED AT 1:14 (7.14%) OR FLATTER.
 - 7.) SUBMIT DETAILS ON 11"x17" SIZED PLAN SHEETS AND AT A SCALE OF 1"=10'. ONLY 1 OR 2 RADII OF RETURN SHOULD BE PROVIDED PER SHEET.
 - 8.) IF PARALLEL SIDEWALK SLOPES DO NOT MATCH, LABEL BOTH SLOPES. FOR EXAMPLE, IN FIGURE 1, IF M-L DOES NOT MATCH N-O, BOTH SLOPES SHOULD BE LABELED.

NORTH EAST CORNER							
POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
AA	110+85.51	49.18' LT	615.09	RR	110+97.54	53.28' LT	615.48
BB	110+89.27	45.17' LT	615.06	SS	111+01.48	53.30' LT	615.50
CC	110+85.77	52.09' LT	615.38	TT	111+01.48	52.14' LT	615.10
DD	110+87.44	49.18' LT	615.05	UU	111+07.48	53.31' LT	615.53
EE	110+92.32	45.17' LT	615.04	VV	111+07.48	52.15' LT	615.13
FF	110+94.31	52.12' LT	615.18	WW	111+12.48	53.33' LT	615.56
GG	110+94.32	49.17' LT	615.14	XX	111+12.48	52.17' LT	615.51
HH	110+94.32	45.17' LT	615.07	YY	111+17.48	53.34' LT	615.59
II	110+96.60	43.93' LT	615.18	ZZ	111+17.48	52.18' LT	615.60
JJ	110+97.47	45.17' LT	615.03	AAA	111+01.46	0.00' RT	616.01
KK	111+01.47	49.16' LT	615.06	BBB	111+07.46	0.00' RT	616.01
LL	111+01.47	43.85' LT	614.98	CCC	111+28.39	52.21' LT	615.60
MM	111+01.46	42.24' LT	614.99	DDD	111+28.40	49.18' LT	615.60
NN	111+07.47	43.86' LT	615.01	EEE	111+28.41	43.85' LT	615.54
OO	111+07.46	42.24' LT	615.02	FFF	111+28.41	42.30' LT	615.13
PP	111+12.47	43.85' LT	615.38	GGG	111+17.43	42.30' LT	615.07
QQ	111+17.47	43.84' LT	615.47	HHH	111+01.47	45.16' LT	615.00

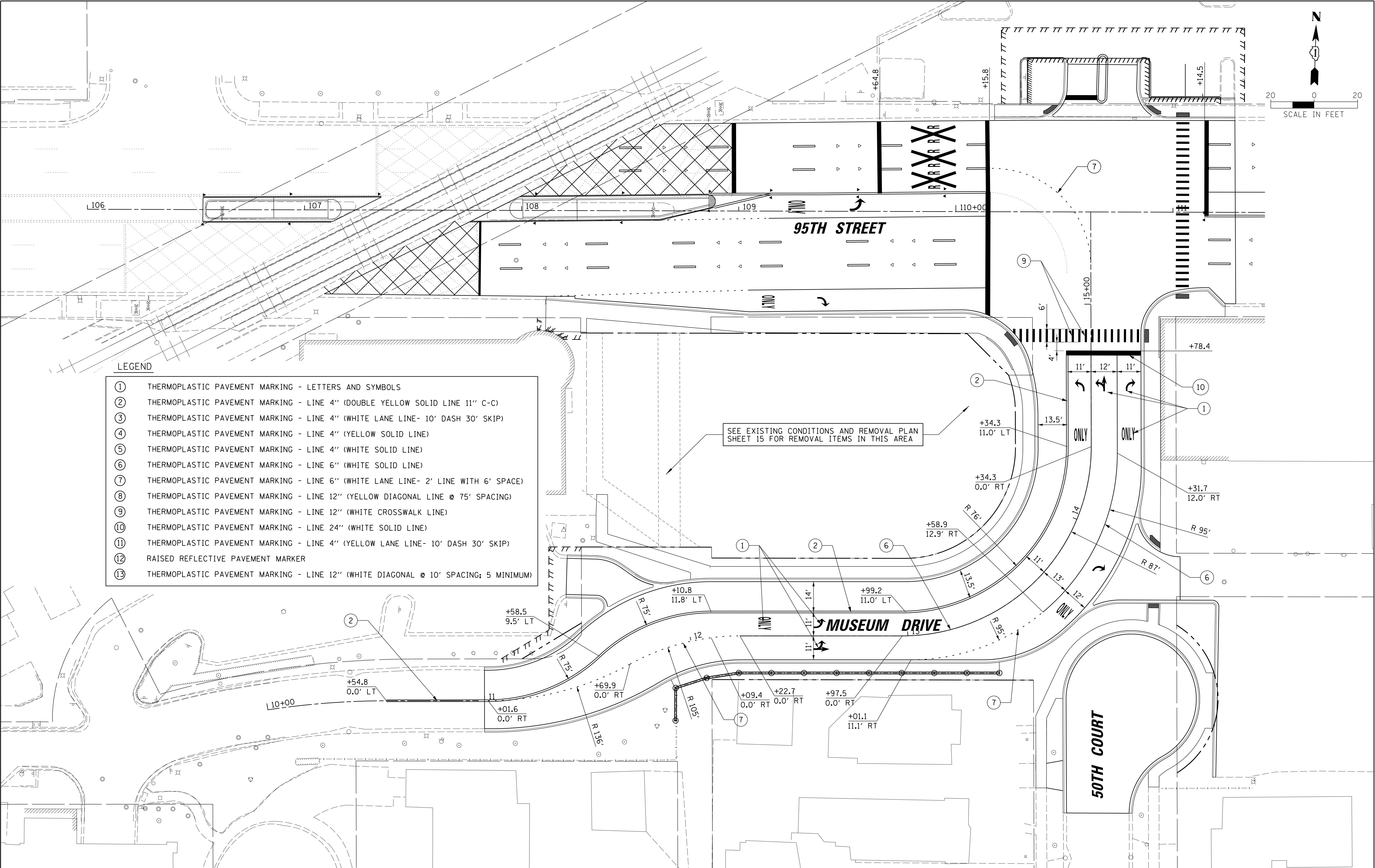




FILE NAME =	USER NAME = wbioftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERIM PAVEMENT MARKING PLAN US ROUTE 12-20 (95TH STREET) AND MUSEUM DRIVE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\0akLan\160482\Traffic\PMK\Interim_95th-Museum.dgn		DRAWN -	REVISED -		0029	05-00167-01-TL	COOK	86	25				
PLOT SCALE = 20'		CHECKED -	REVISED -		CONTRACT NO. 61F37								
default	PLOT DATE = 4/8/2019	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
SCALE:		SHEET OF SHEETS		STA. TO STA.									

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	ATTORNEY		
	PAID FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	STRUCTURE		
	NOTATIONS CHKD		



FILE NAME =	USER NAME = wbioftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		50TH COURT /MUSEUM DRIVE PAVEMENT MARKING PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Civil\Stage 1\PMK-160482-Stage1.01.sht		DRAWN -	REVISED -					0029	05-00167-01-TL	COOK	86	26
Default	PLOT SCALE = 20'	CHECKED -	REVISED -					CONTRACT NO. 61F37				
Default	PLOT DATE = 4/8/2019	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: 20		SHEET 1 OF 3 SHEETS		STA. 10+00.00 TO STA. 15+42.50				

PROFILE		BY	DATE
	SURVEYED _____		
	PLOTTED _____		
	GRADES CHECKED _____		
	B.M. NOTED _____		
	STRUCTURE NOTATIONS CHECKED _____		
	NO. _____		

FILE NAME =	USER NAME = wblsoftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	95TH STREET PAVEMENT MARKING PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\DakLawn\160482\Civil\Stage 1\PMK-160482-Stage1.02.sht	DRAWN -	REVISED -	0029						05-00167-01-TL	COOK	86	27	
PLOT SCALE = 20'	CHECKED -	REVISED -	CONTRACT NO. 61F37										
PLOT DATE = 4/8/2019	DATE -	REVISED -											
Default Default			SCALE: 20'		SHEET 2 OF 3 SHEETS	STA. 106+53.20 TO STA. 118+00.00	ILLINOIS FED. AID PROJECT						

PROFILE	SURVEYED _____	By _____	DATE _____
	PLOTTED _____		
NOTE BOOK	GRADES CHECKED _____		
	B.M. NOTED _____		
NO. _____	STRUCTURE NOT AT'NS CHKD _____		



- | | |
|---|---|
| ① | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS |
| ② | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C) |
| ③ | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE- 10' DASH 30' SKIP) |
| ④ | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) |
| ⑤ | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE) |
| ⑥ | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) |
| ⑦ | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE- 2' LINE WITH 6' SPACE) |
| ⑧ | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE @ 75' SPACING) |
| ⑨ | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE CROSSWALK LINE) |
| ⑩ | THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE SOLID LINE) |
| ⑪ | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE- 10' DASH 30' SKIP) |
| ⑫ | RAISED REFLECTIVE PAVEMENT MARKER |
| ⑬ | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL @ 10' SPACING; 5 MINIMUM) |

FILE NAME =	USER NAME = wbloftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	95TH STREET PAVEMENT MARKING PLAN					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\DakLawn\160482\Civil\Stage 1\PMK-160482_Stage1_03.sht	DRAWN -	REVISED -	REVISED -							0029	05-00167-01-TL	COOK	86	28
Default	PLOT SCALE = 20'	CHECKED -	REVISED -		CONTRACT NO. 61F37									
Default	PLOT DATE = 4/8/2019	DATE -	REVISED -		ILLINOIS FED. AID PROJECT									
					SCALE: 20	SHEET 3 OF 3 SHEETS	STA. 112+00.00 TO STA. 123+01.10							

1. 2 WEEKS PRIOR TO THE SCHEDULED TRAFFIC SIGNAL TURN-ON, THE CONTRACTOR SHALL PLACE A CHANGEABLE MESSAGE SIGN (CMS) FOR EB & WB TRAFFIC (EXACT LOCATIONS TO BE DETERMINED IN THE FIELD AND APPROVED BY THE ENGINEER AND IDOT) WHICH READS:

(1ST MESSAGE)

(2ND MESSAGE)
(ADD 3 DIGIT MONTH
ABBREVIATION & DATE
FOR SCHEDULED SIGNAL
TURN-ON)

(1ST MESSAGE)

(2ND MESSAGE)

2. 18" x 18" ORANGE FLAGS SHALL BE MOUNTED TO THE W3-3 YELLOW WARNING SIGN. THESE SIGN ASSEMBLIES SHALL BE INSTALLED AND COMPLETED ON THE DAY OF THE TRAFFIC SIGNAL TURN-ON. THE ORANGE FLAGS SHALL BE INCLUDED IN THE UNIT COST FOR SIGN PANEL AND WILL NOT BE PAID FOR SEPARATELY. THE ORANGE FLAGS AND W16-15P "NEW" SIGN PLAQUE WILL BE REMOVED 4 WEEKS AFTER THE TRAFFIC SIGNAL TURN-ON.
3. THE DRUMS OR BARRICADES USED TO CHANNEL OFF THE CHANGEABLE MESSAGE SIGNS SHALL BE PAID FOR WITH PAY ITEM: TRAFFIC CONTROL AND PROTECTION, CALL OUT WORK. SEE SPECIAL PROVISION FOR MORE DETAILS.
4. LOCATIONS OF CHANGEABLE MESSAGE SIGNS (C.M.S.) SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER AND APPROVED BY IDOT PRIOR TO PLACEMENT; PLACEMENT OF C.M.S. ON THIS PLAN SHEET ARE FOR GUIDANCE/REFERENCE ONLY AND ARE NOT FINAL.

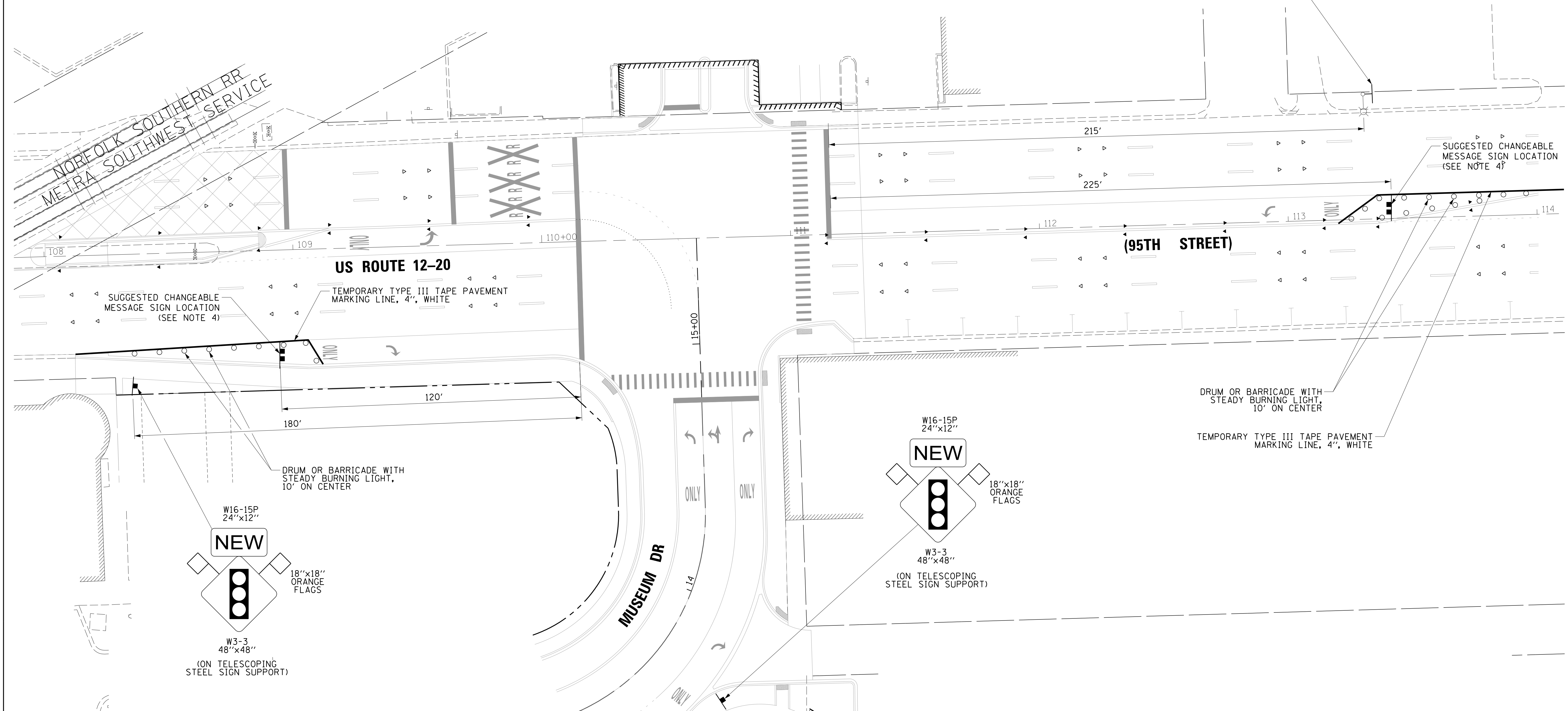
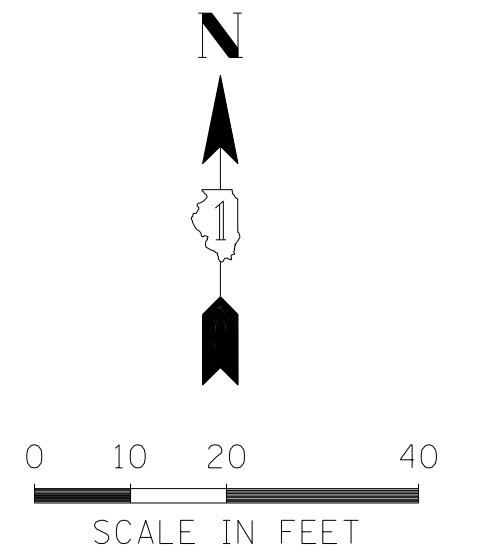
W16-15P
24"×12"

NEW

18"×18"
ORANGE
FLAGS

W3-3
48"×48"

(ATTACHED TO
EXISTING LIGHT
POLE)



FILE NAME =	USER NAME = jlapaglia	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MOTORIST NOTIFICATION FOR TURNING ON NEW TRAFFIC SIGNALS 95TH STREET AND MUSEUM DRIVE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\0skLow\160482\Traffic\SGN_95th-Museum.dgn	DRAWN -	REVISED -	0029			05-00167-01-TL	COOK	86	29	
PLOT SCALE = 20"	CHECKED -	REVISED -	CONTRACT NO. 61F37							
PLOT DATE = 4/10/2019	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
default				SCALE:	SHEET OF	SHEETS	STA.	TO STA.		

TRAFFIC SIGNAL LEGEND

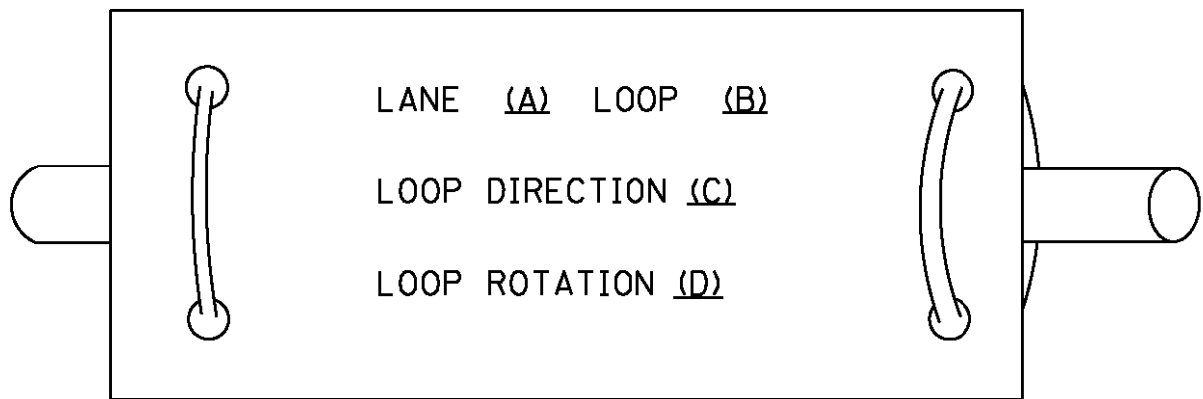
(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

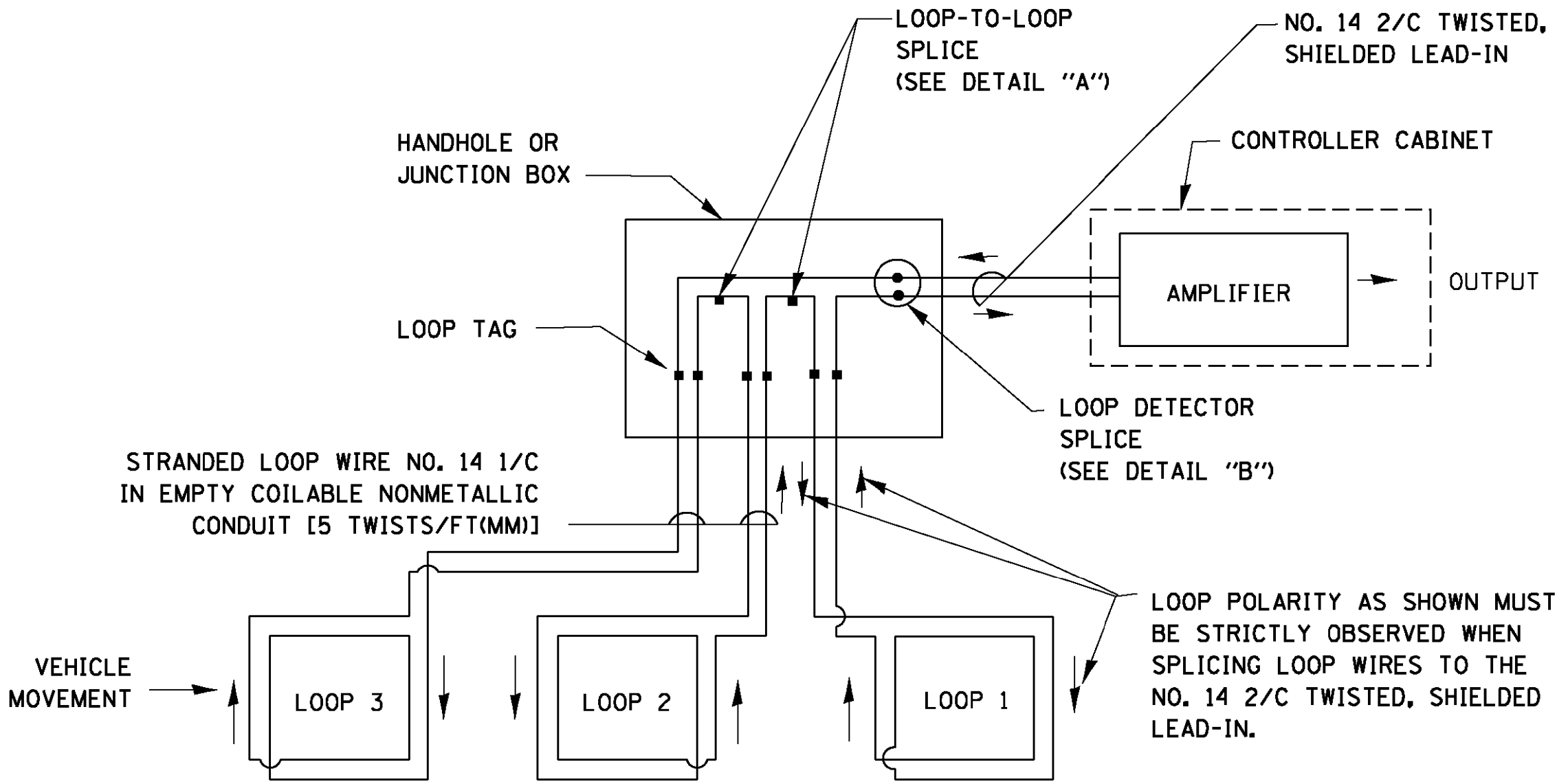
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

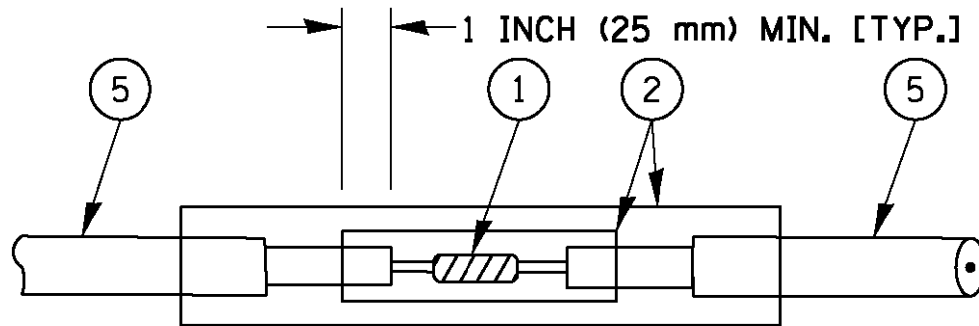


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP *1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

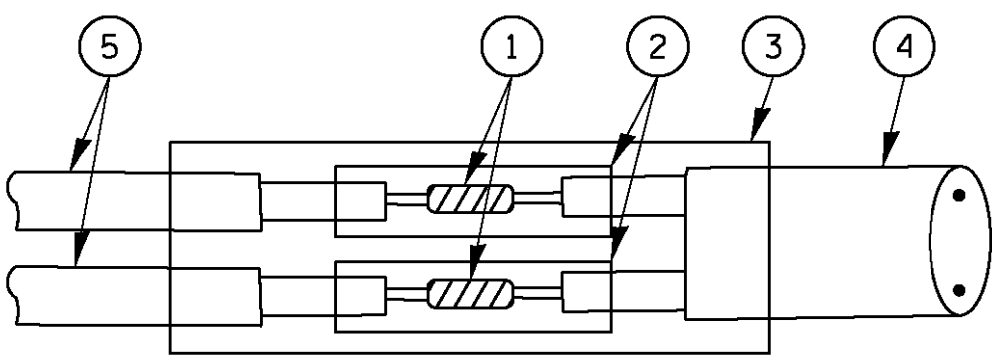


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

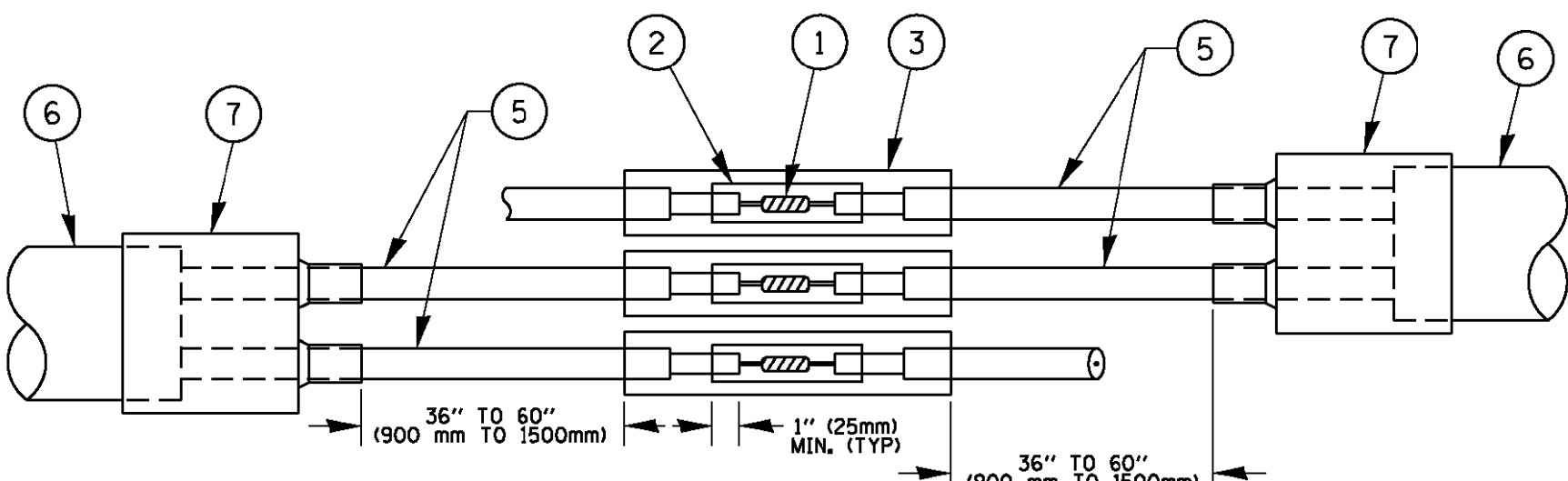


DETAIL "A"
LOOP-TO-LOOP SPLICE

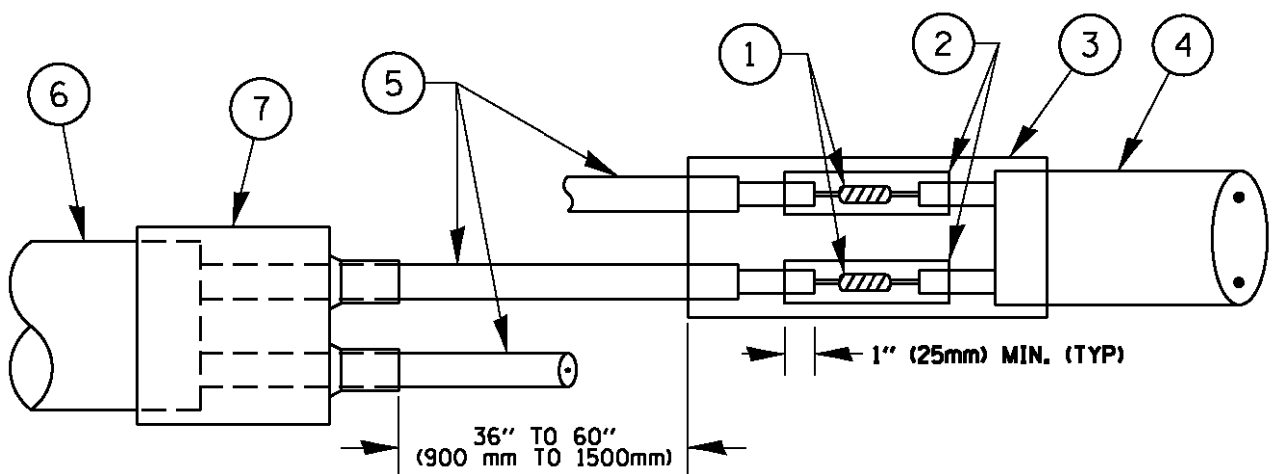


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

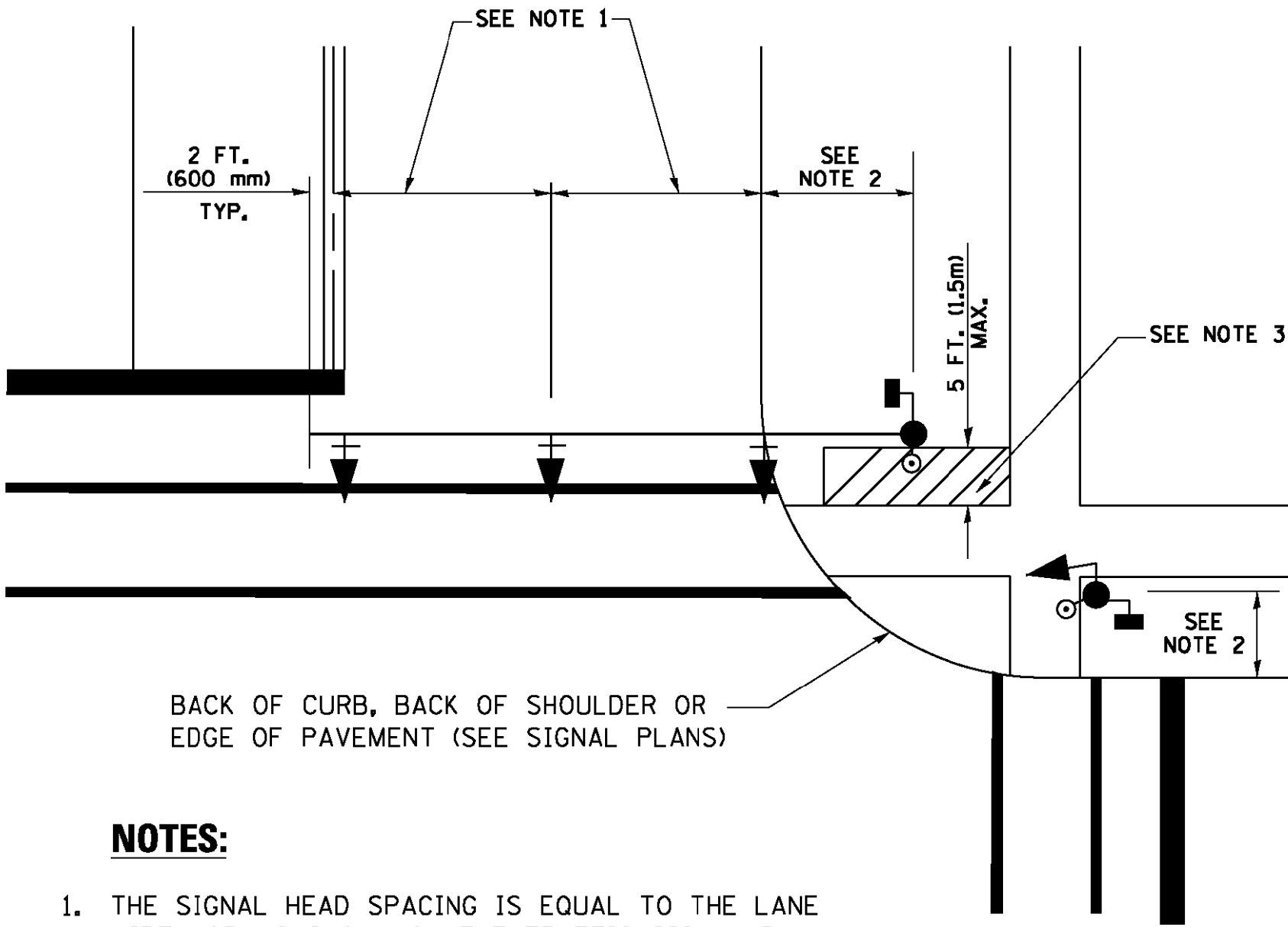
PRE-FORMED LOOP

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH, THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PRE-FORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME = c:\pwwork\pwi\dot\footemj\nd0108315\ts05.dgn	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BCK	REVISED -							0029	05-00167-01-TL	COOK	86	31
	PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD	CHECKED -		TS-05					CONTRACT NO.		61F37		
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS		STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

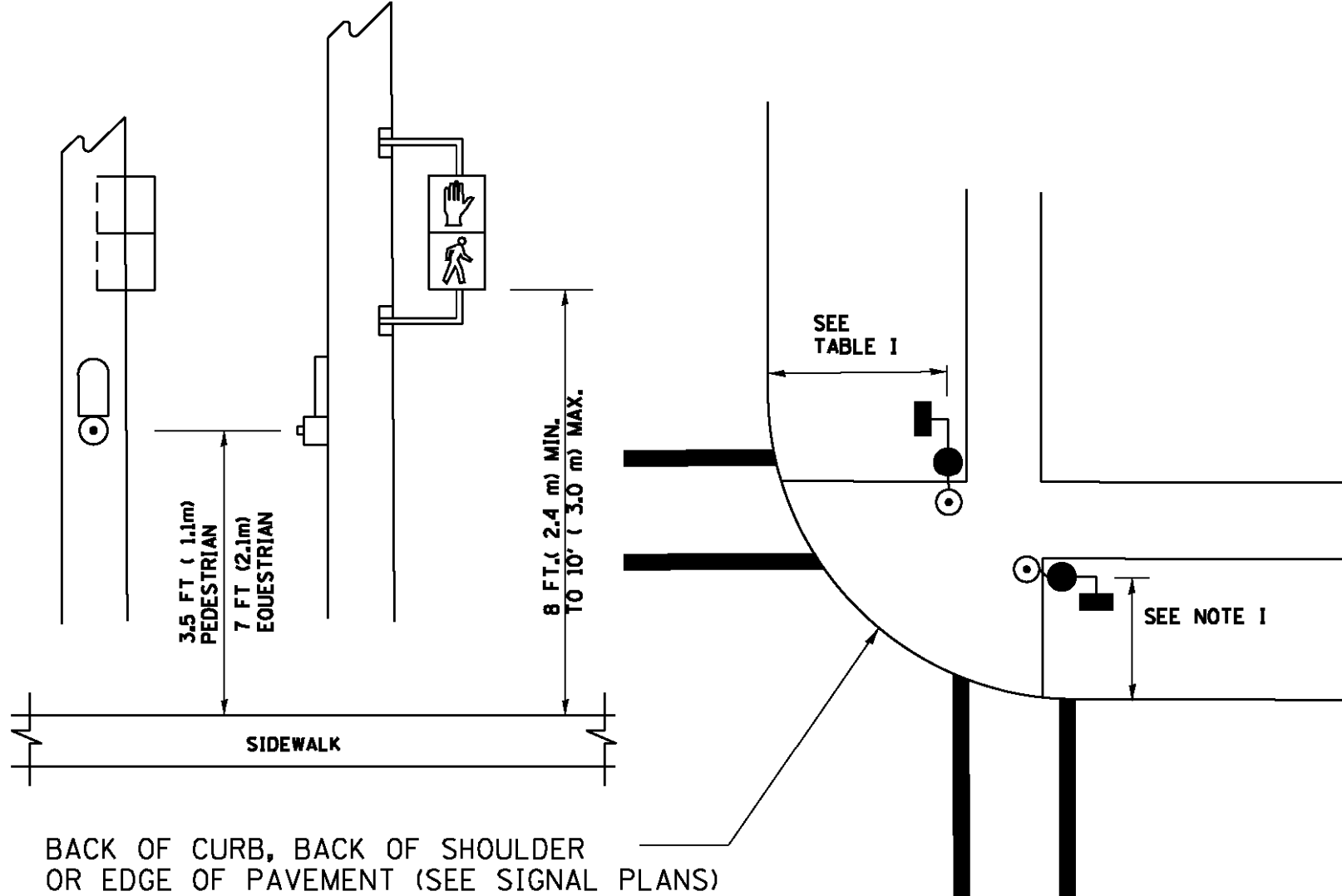
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

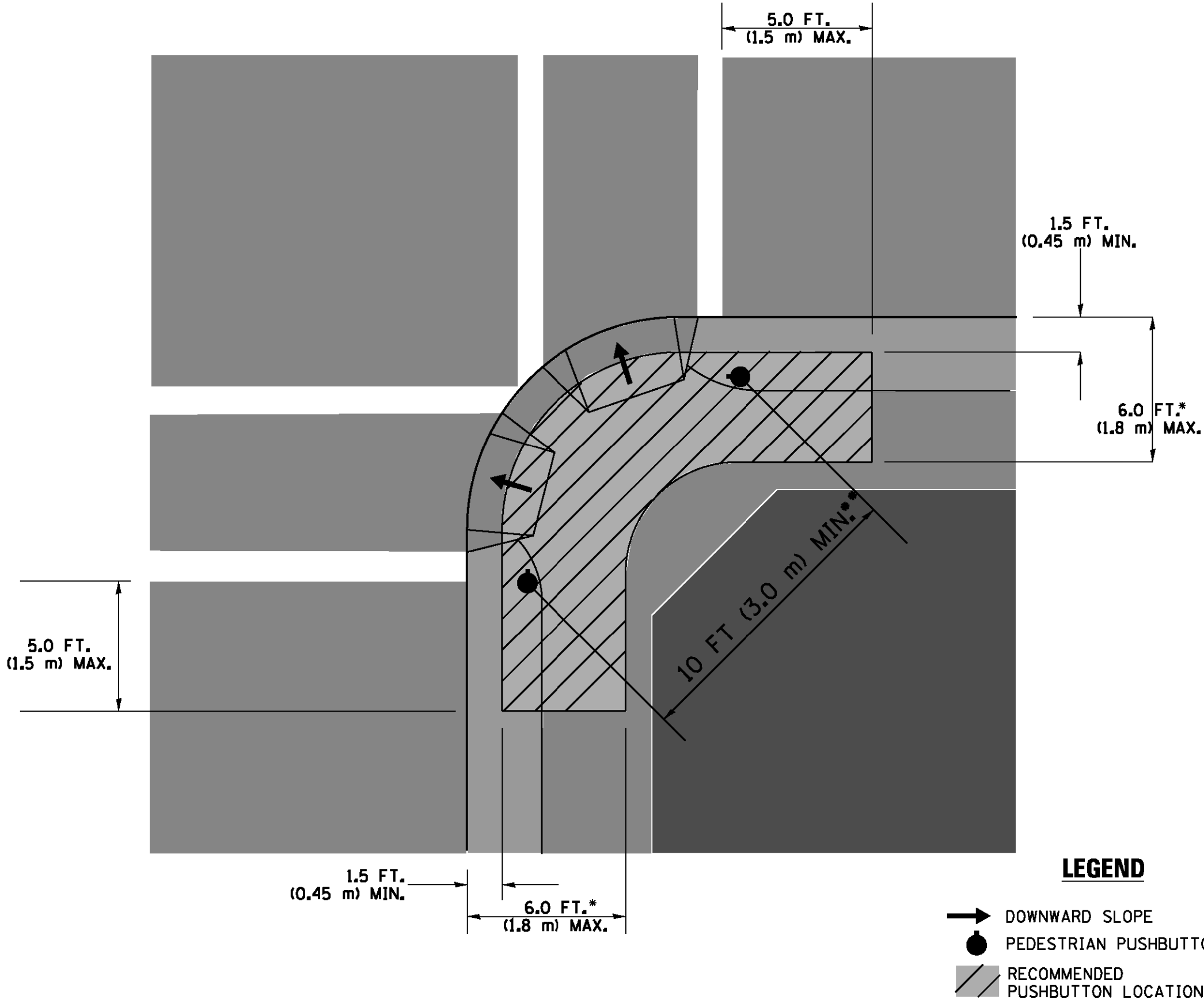
PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

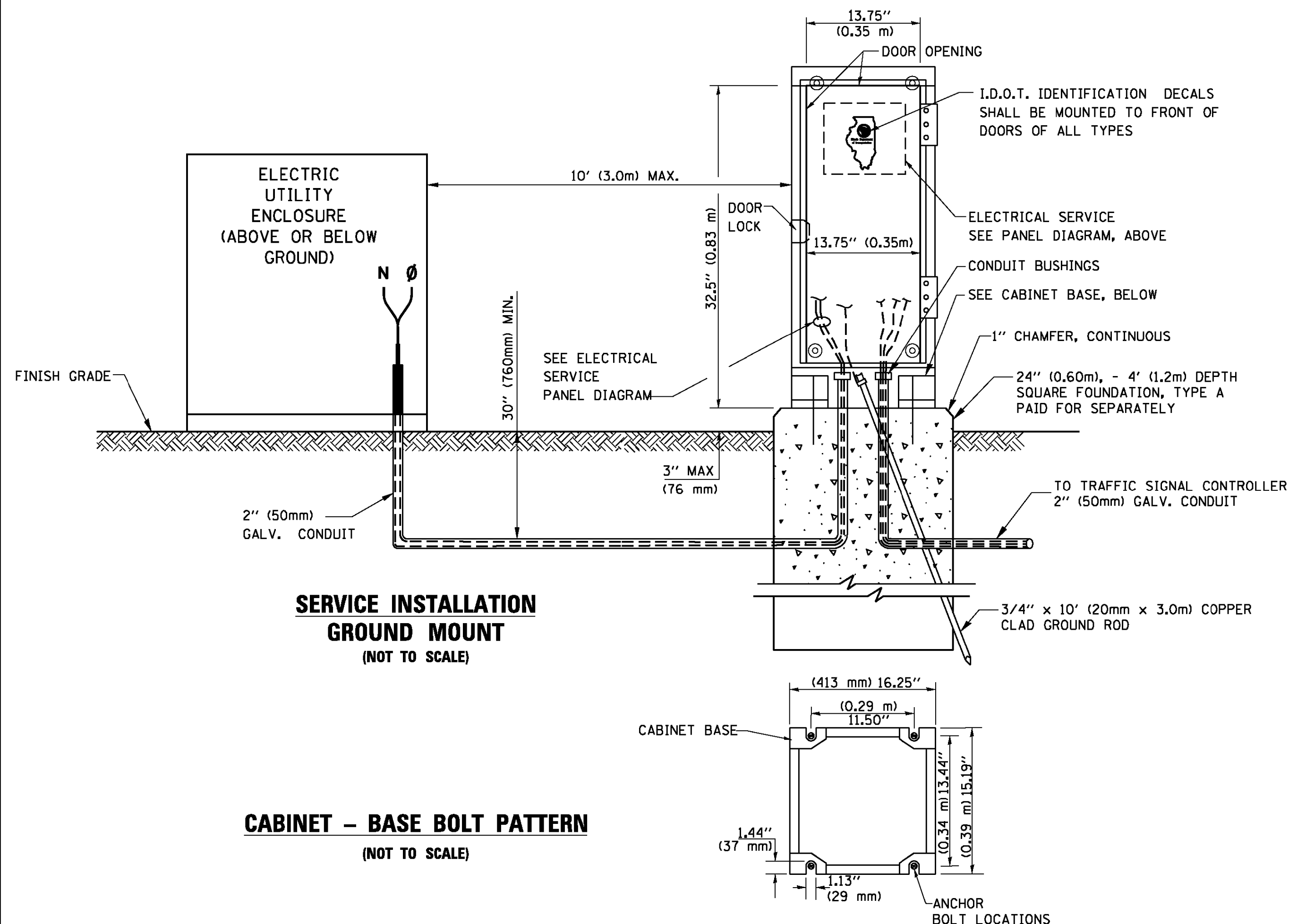
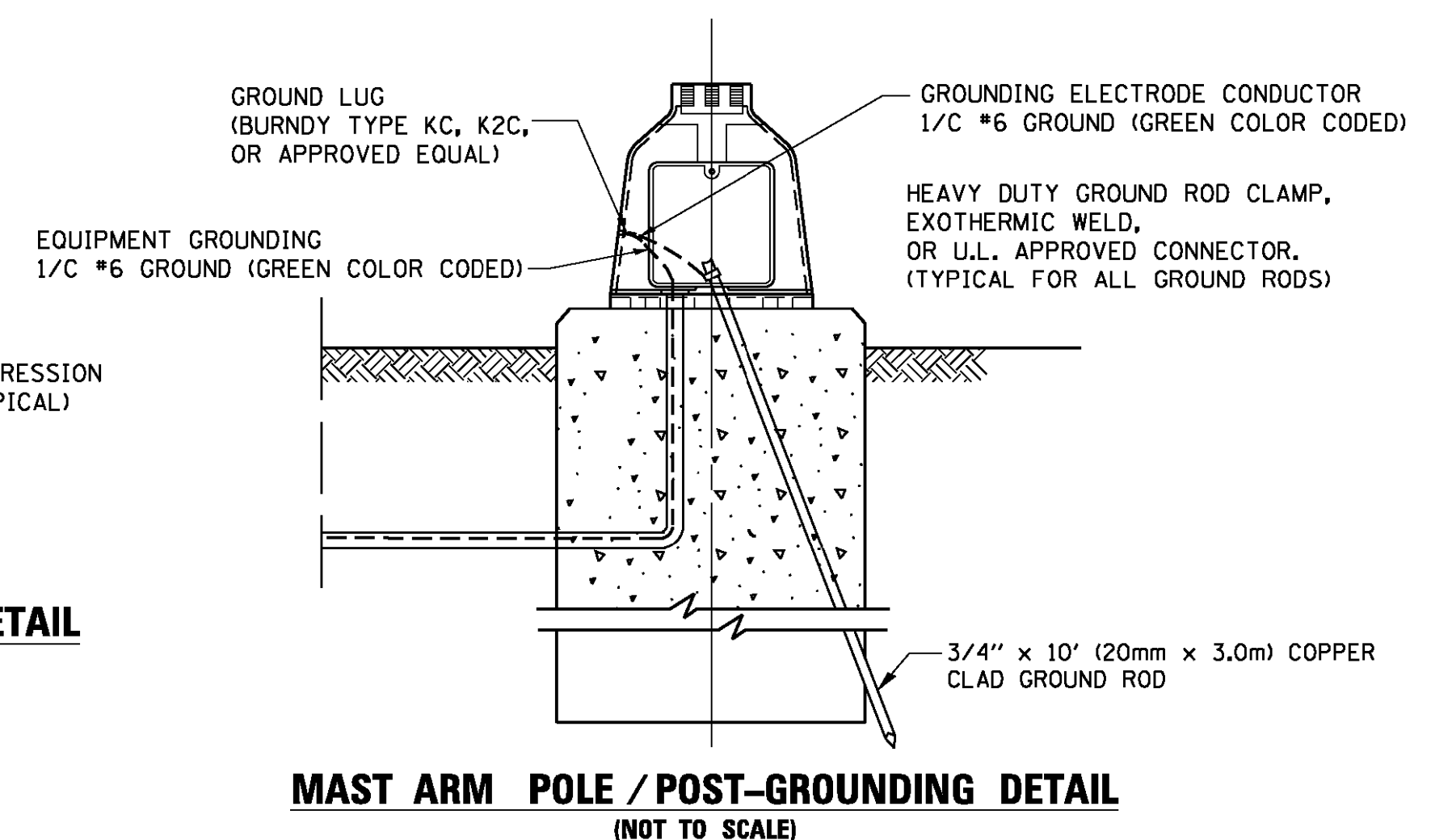
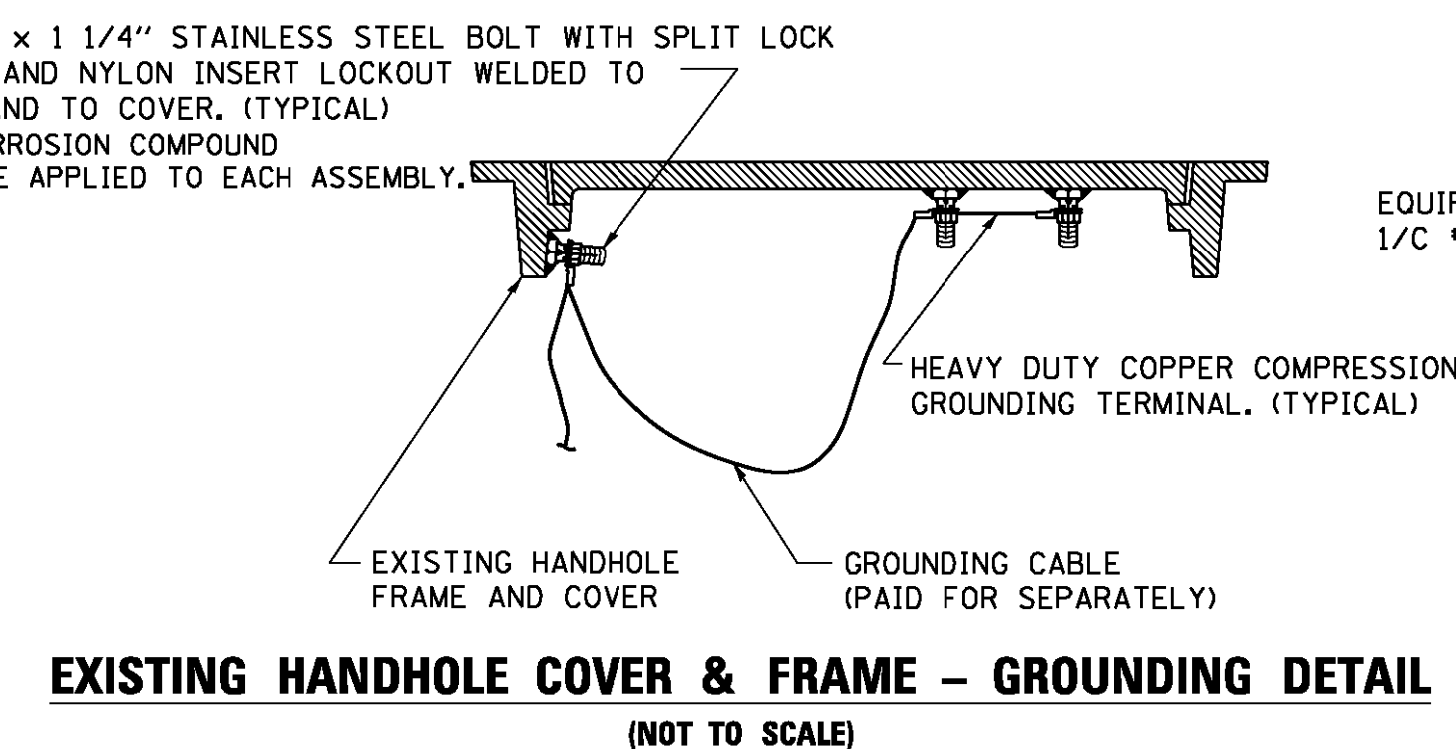
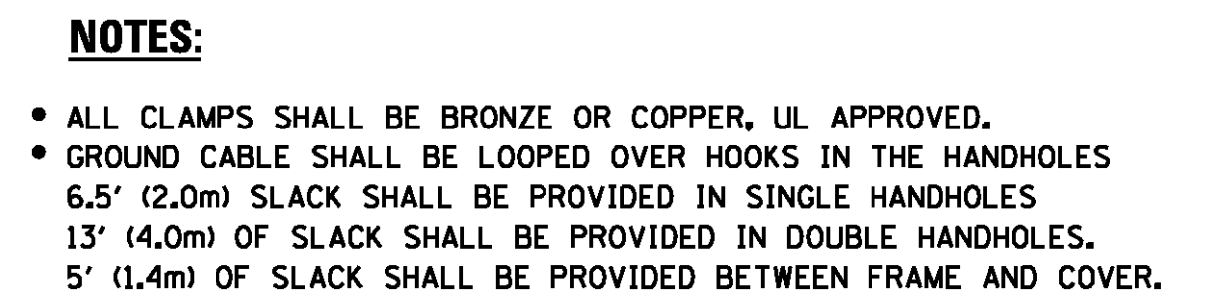
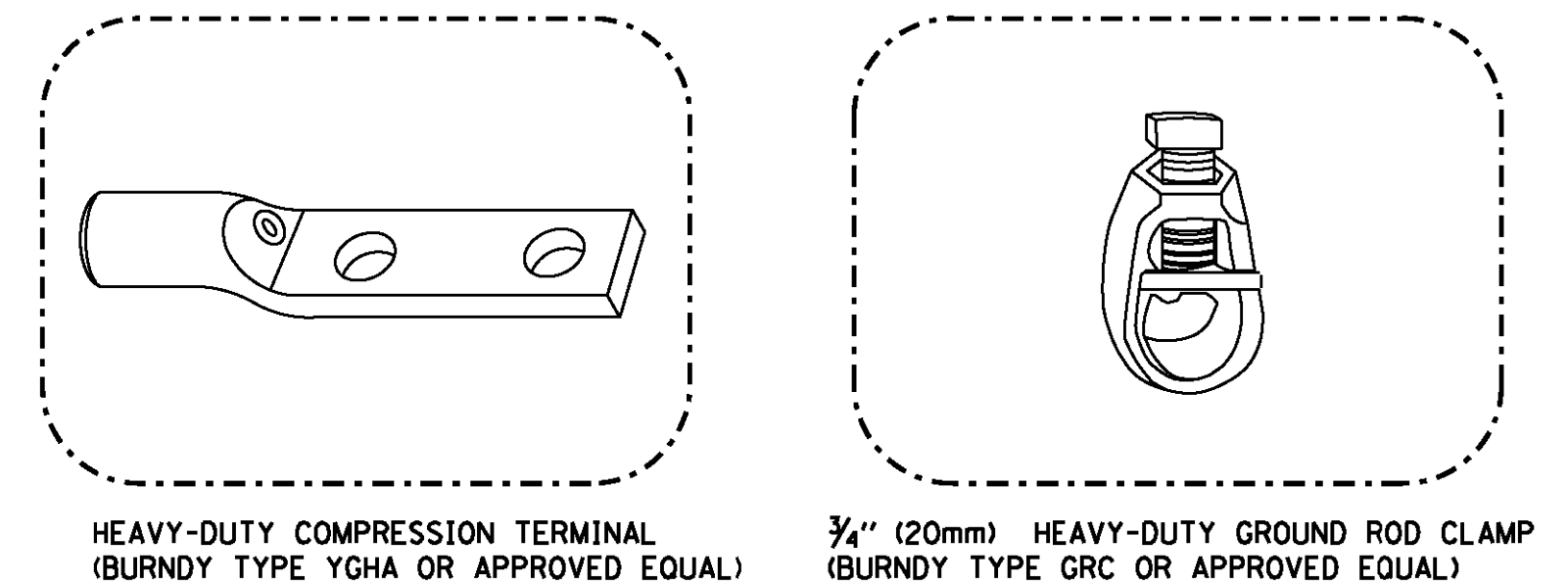
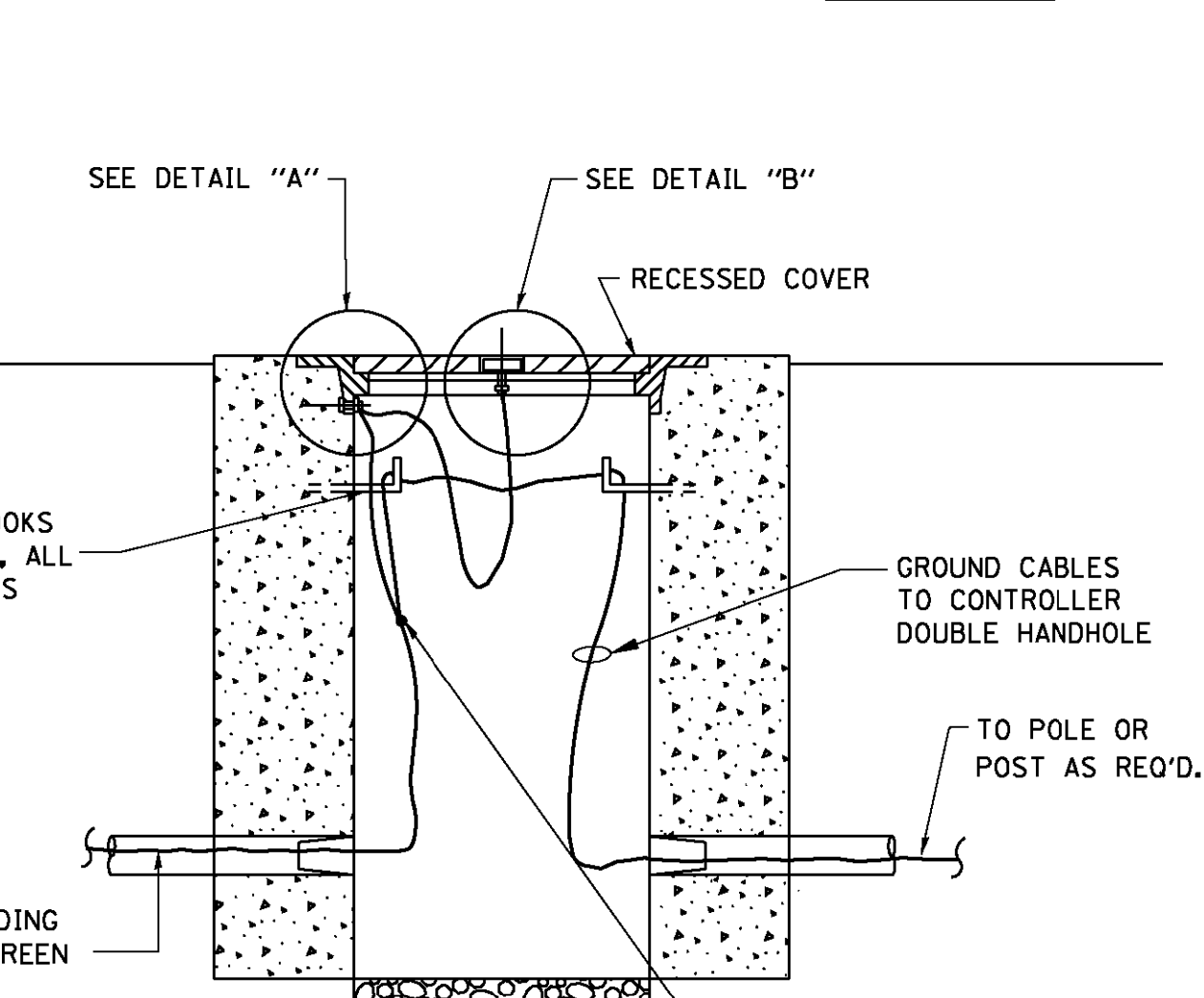
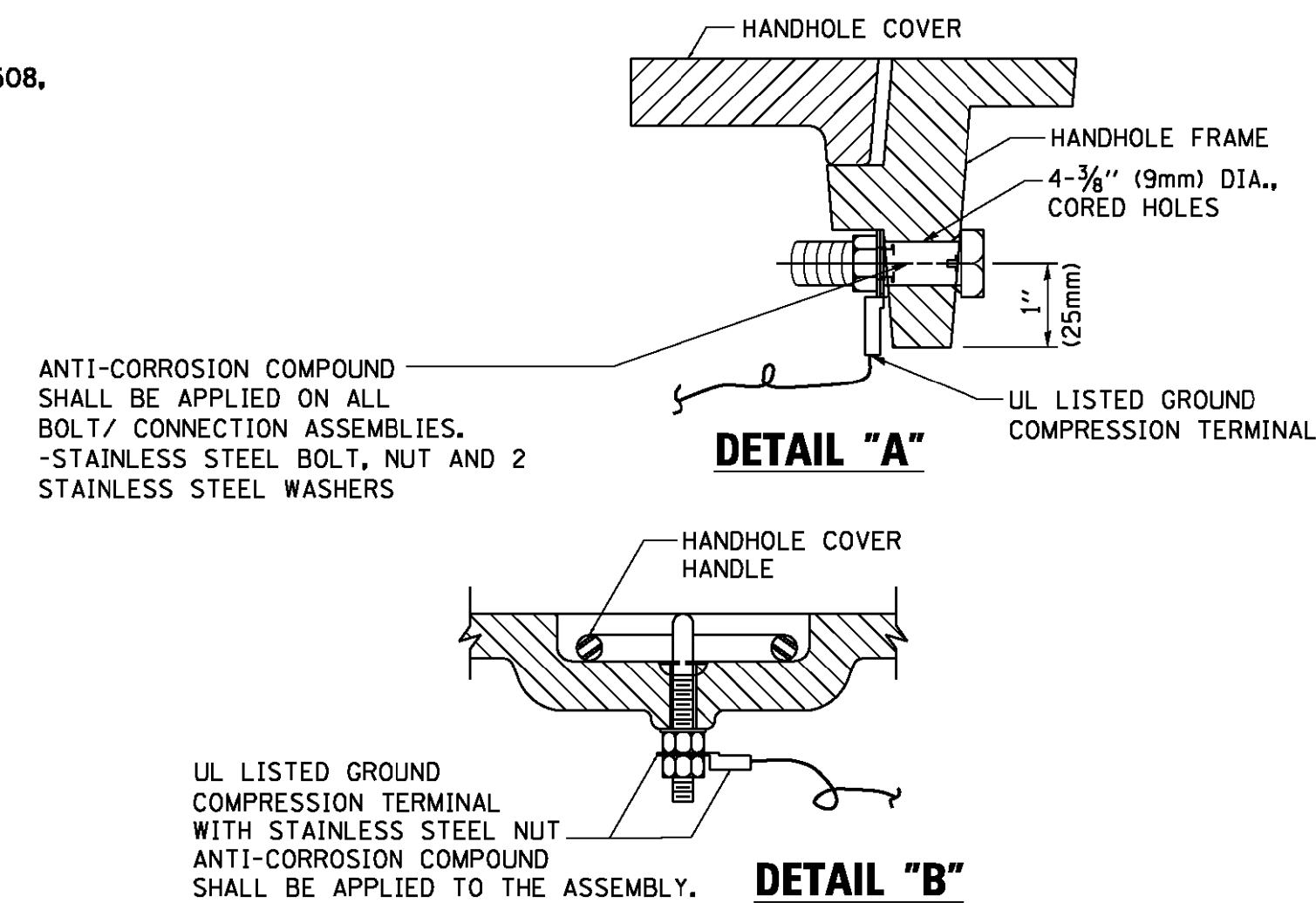
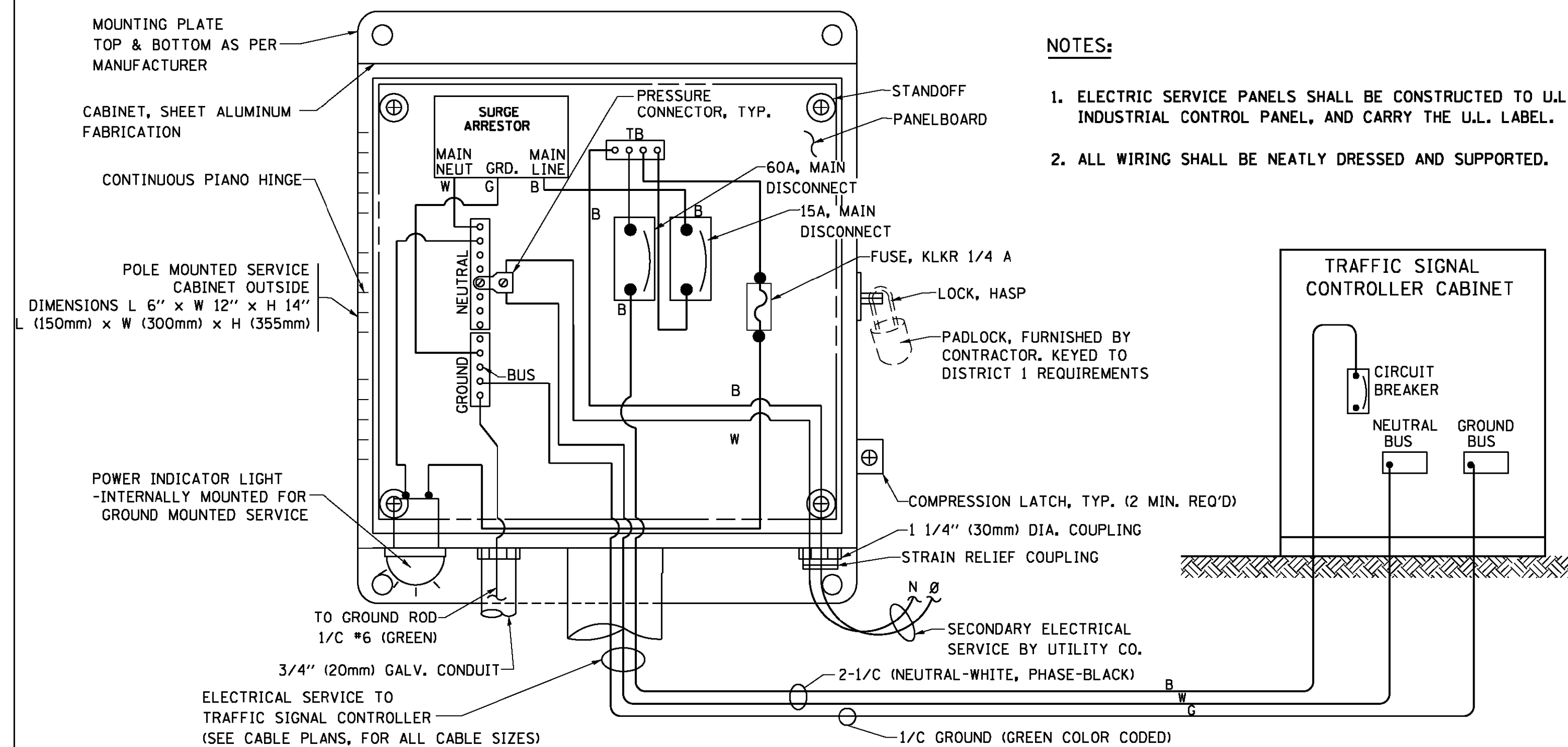
TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

FILE NAME = c:\pwwork\pwi\dot\footemj\d0108315\ts05.dgn	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BCK	REVISED -					0029	05-00167-01-TL	COOK	86	32
	PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD	REVISED -		SCALE: NONE			SHEET NO. 3 OF 7 SHEETS			CONTRACT NO. 61F37	
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -		STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

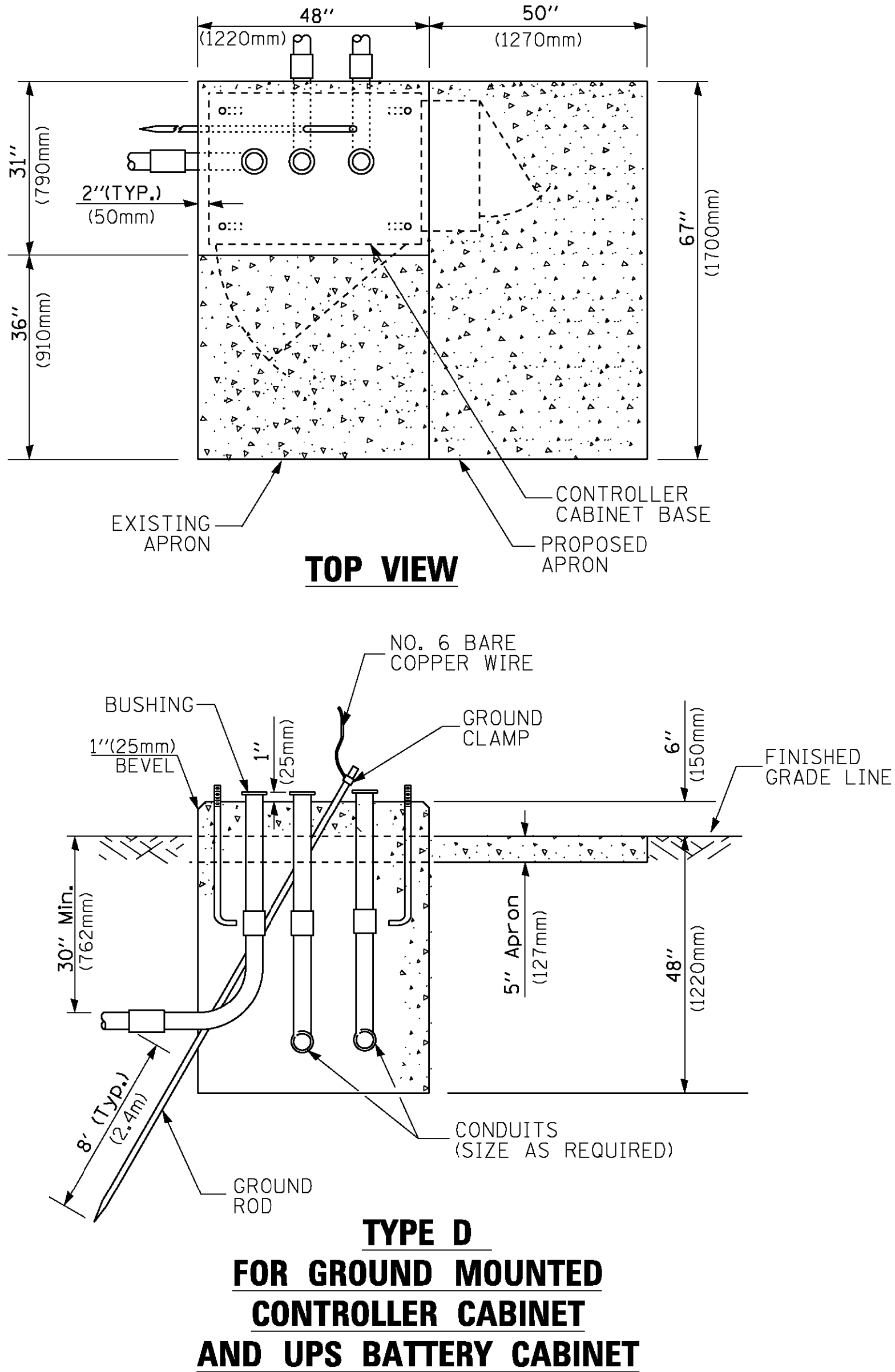
MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

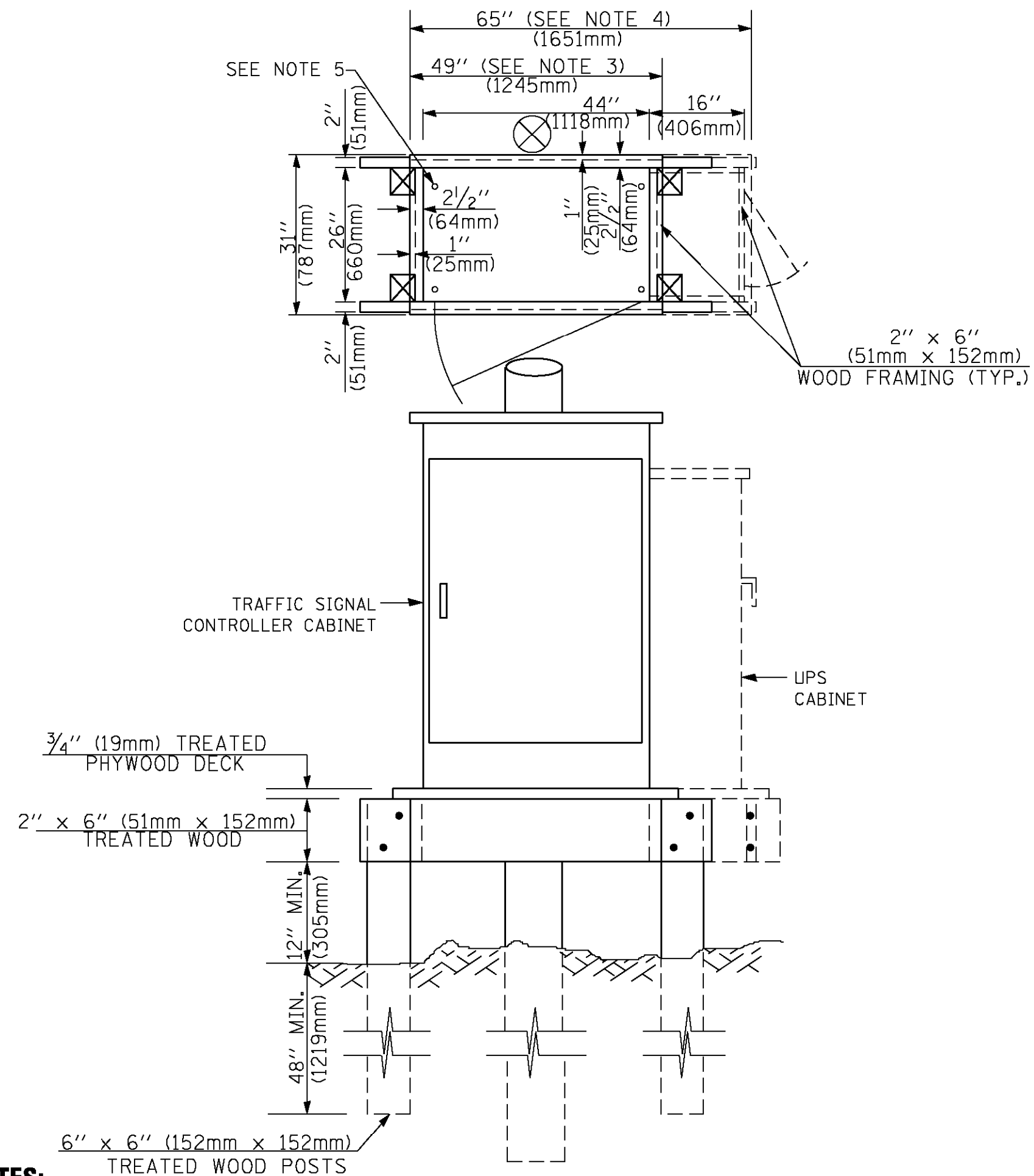
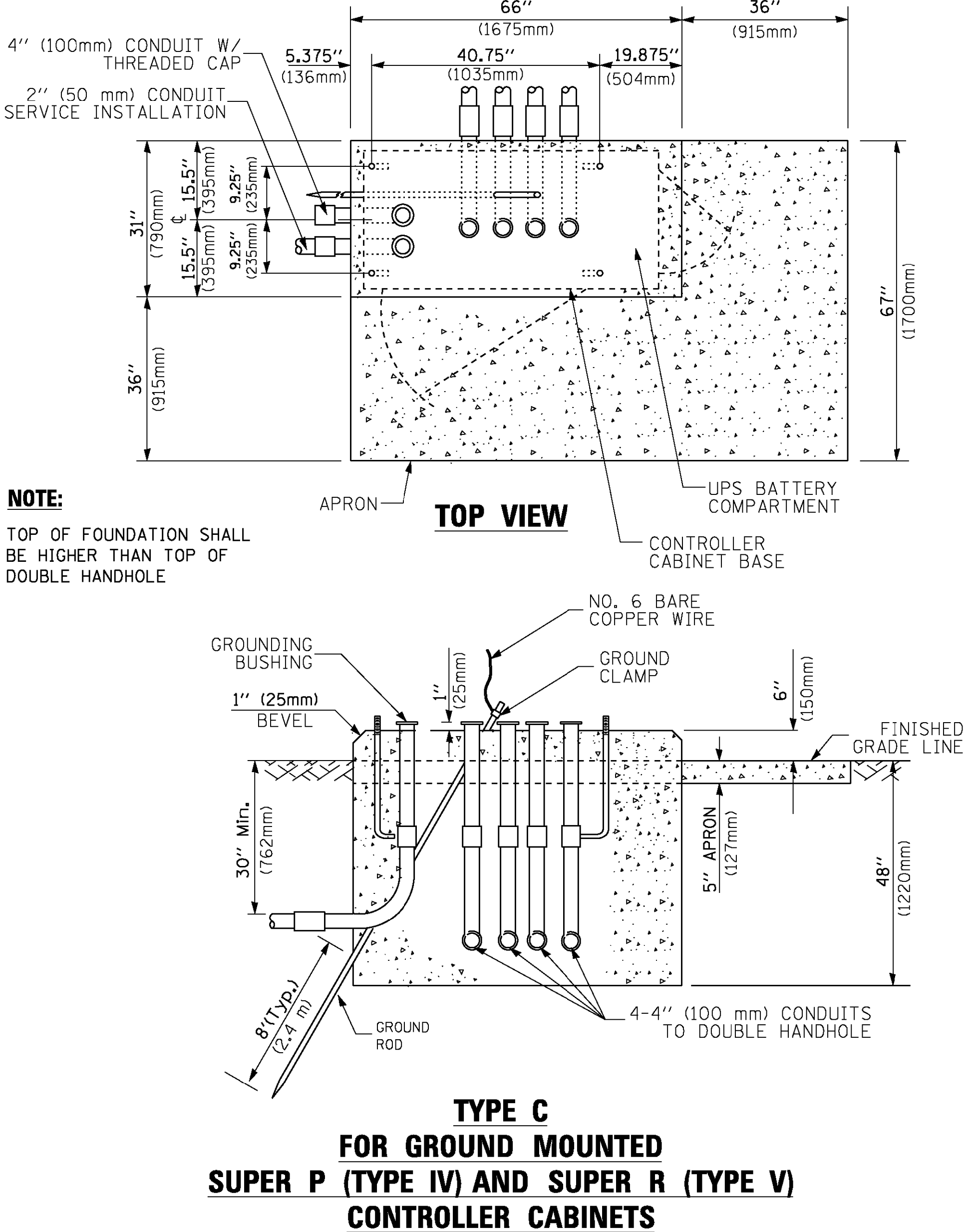
DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -		SCALE: NONE			SHEET NO. 5 OF 7 SHEETS			STA. TO STA.	
					FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT				



NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

SIGN TABLE

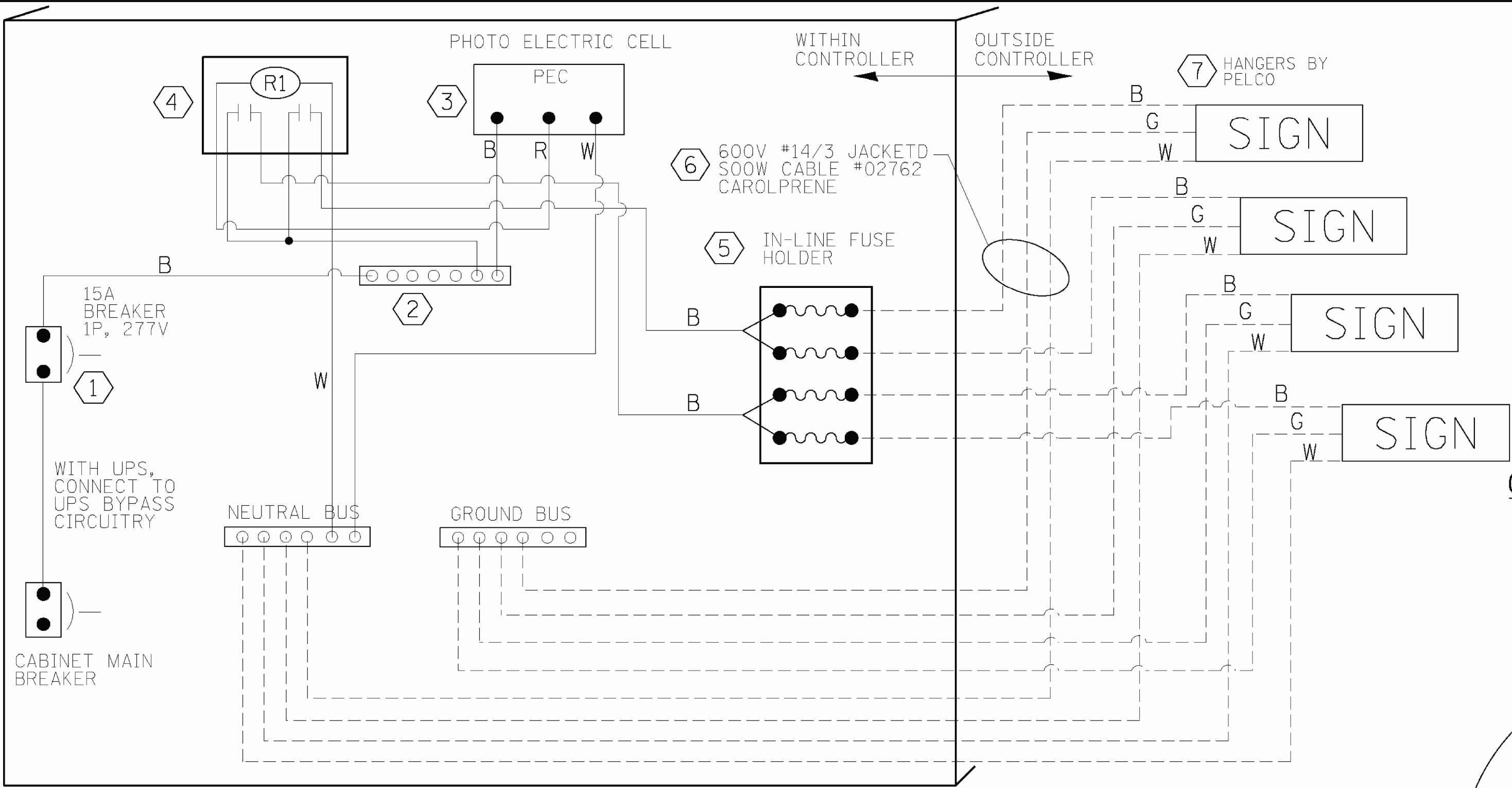
SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)

BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

TS SHT NO. 7

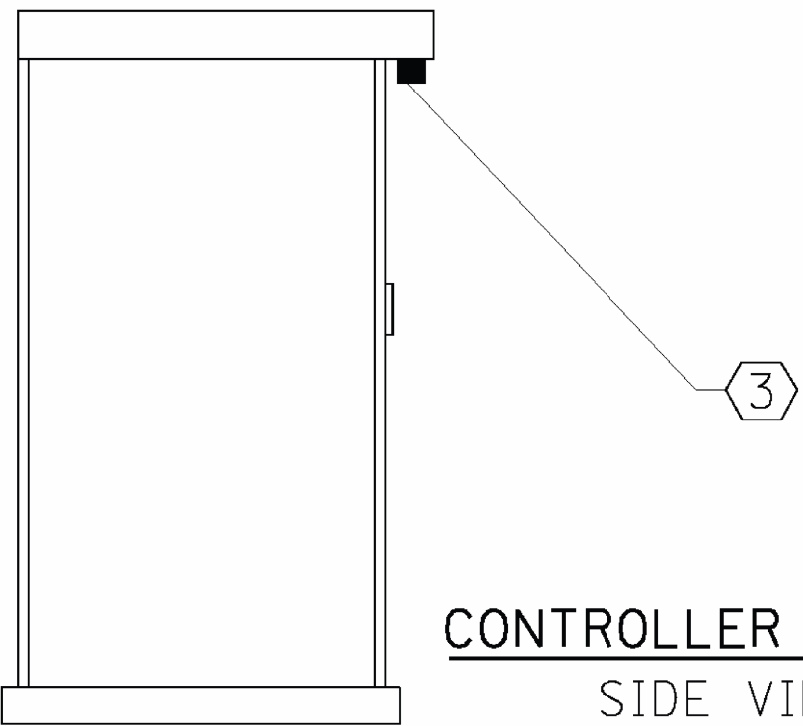
FILE NAME = c:\pwork\pwork\footemj\00108315\ts05.dgn	USER NAME = footemj		DESIGNED - DAG	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - GND		CHECKED - DAD	REVIS					0029	05-00167-01-TL	COOK	86	36
	PLOT SCALE = 50.0000' / in.		DATE - 10/1/2012	REVIS		SCALE: NONE			CONTRACT NO. 61F37				
	PLOT DATE = 1/13/2014					SHEET NO. 7 OF 7 SHEETS			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



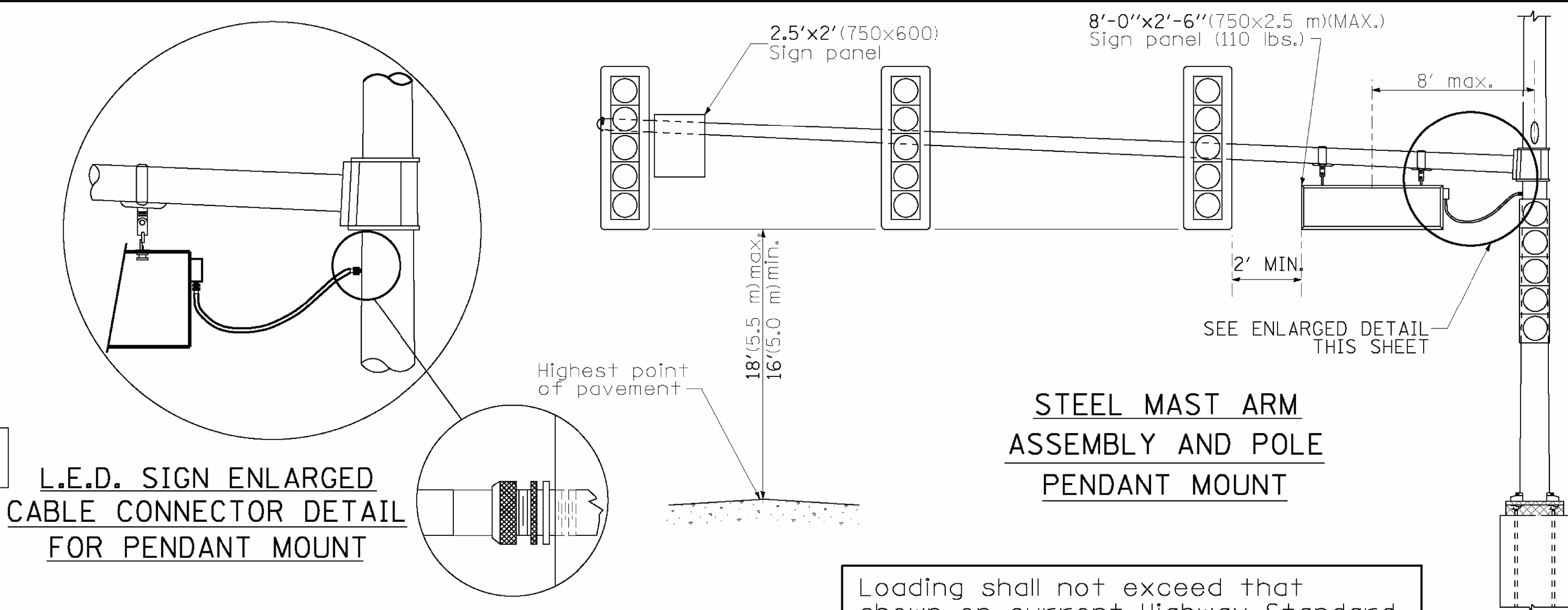
LED SIGN WIRING DETAIL

BILL OF MATERIALS

DESCRIPTION	MANUFACTURER	MODEL	NOTES
① CIRCUIT BREAKER		15 AMPERE	Molded case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere at 277V.
② TERMINAL BLOCK	MARATHON	1502 DJSV	
③ PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
④ CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
⑤ INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
⑥ ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/S00W	02762	
⑦ SIGN MOUNTING HARDWARE	PELCO	Pendant (SE-5015) Direct mount (AB-0104-L-SP) Additional sign stiffeners may be required for direct mounted signs.	S.S. HARDWARE

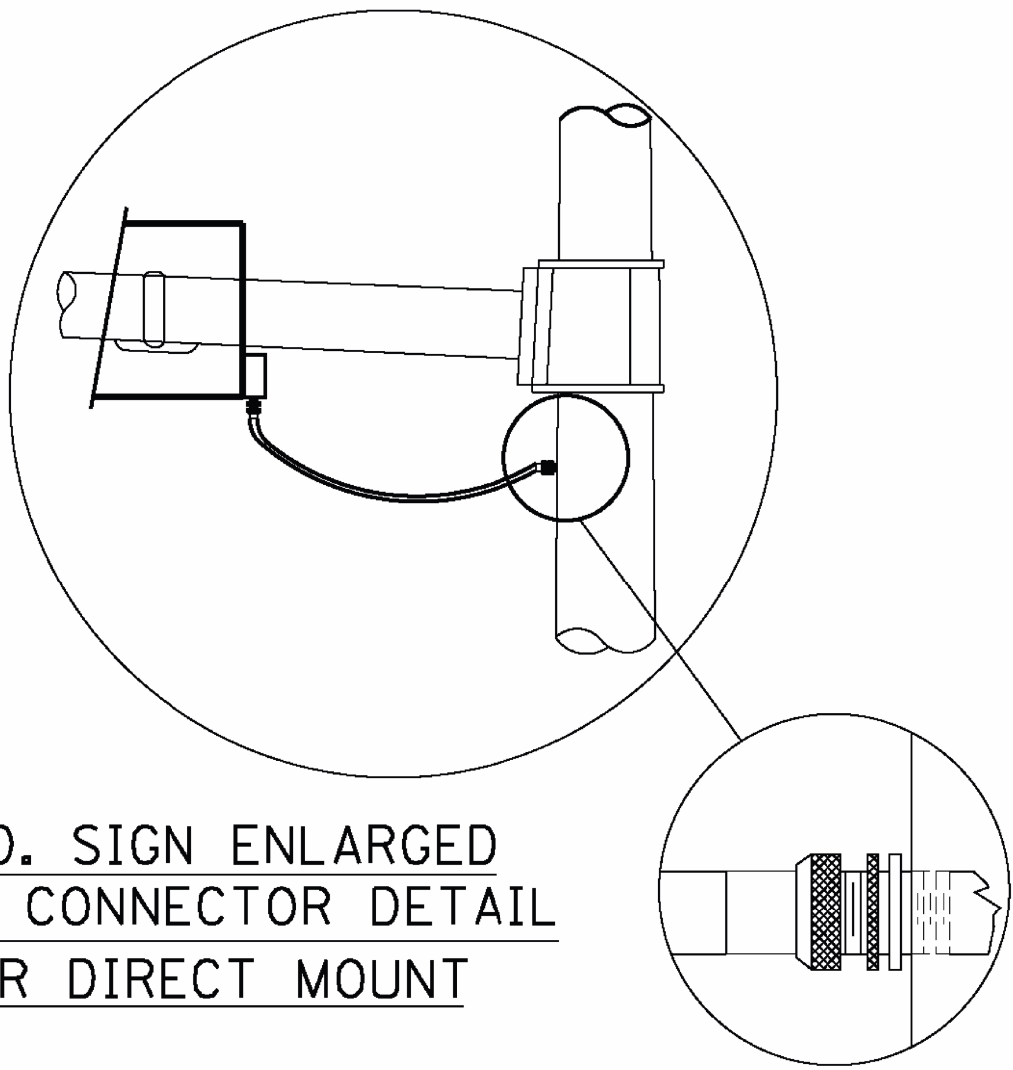


CONTROLLER CABINET
SIDE VIEW



L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL
FOR PENDANT MOUNT

L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL



L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL
FOR DIRECT MOUNT

L.E.D. SIGN ENLARGED
CABLE CONNECTOR DETAIL



LED ILLUMINATED SIGN PANEL
8'0 x 2'6" (750 mm x 2.5 mm)(MAX)
C or D FONT

NOTES:

- SIGNS SHALL BE SIGNLE SIDED FOR DIRECT MOUNT AND DOUBLE SIDED FOR PENDANT MOUNT.
- CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
- SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #14AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

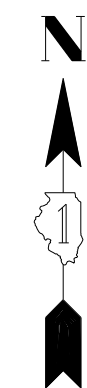
FILE NAME =	USER NAME = kanthaphixaybo	DESIGNED - BCK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE ILLUMINATED STREET NAME SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pwork\pwork\kanthaphixaybo\d011261-traffic\legend.v8.dgn		DRAWN - BCK	REVISED -			0029	05-00167-01-TL	COOK	86	37
PLOT SCALE = 1/9680" / 1"		CHECKED - DAD	REVISED -			CONTRACT NO.				
PLOT DATE = 1/13/2012		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONSTRUCTION NOTES:

- ① RAILROAD SIGNAL SYSTEMS SHOULD BE INSPECTED AND COMPLY WITH FEDERAL RAILROAD ADMINISTRATION AND STATE OF ILLINOIS SIGNAL SAFETY STANDARDS. THE RAILROAD SIGNAL CONTROL EQUIPMENT AND THE TRAFFIC SIGNAL CONTROL EQUIPMENT MUST BE INTERCONNECTED PRIOR TO THE ACTIVATION OF THE PROPOSED TRAFFIC SIGNAL.
- ② THE CONSTRUCTION OF THE RELOCATED MUSEUM DRIVE MUST BE COMPLETED PRIOR TO ACTIVATING PROPOSED TRAFFIC SIGNAL CONTROL. COMPLETION OF BOTH TRAFFIC SIGNAL INSTALLATION AND INTERCONNECT TO RAILROAD SIGNAL CONTROL EQUIPMENT IS REQUIRED BEFORE RELOCATED MUSEUM DRIVE CAN BE FULLY OPENED TO TRAFFIC.

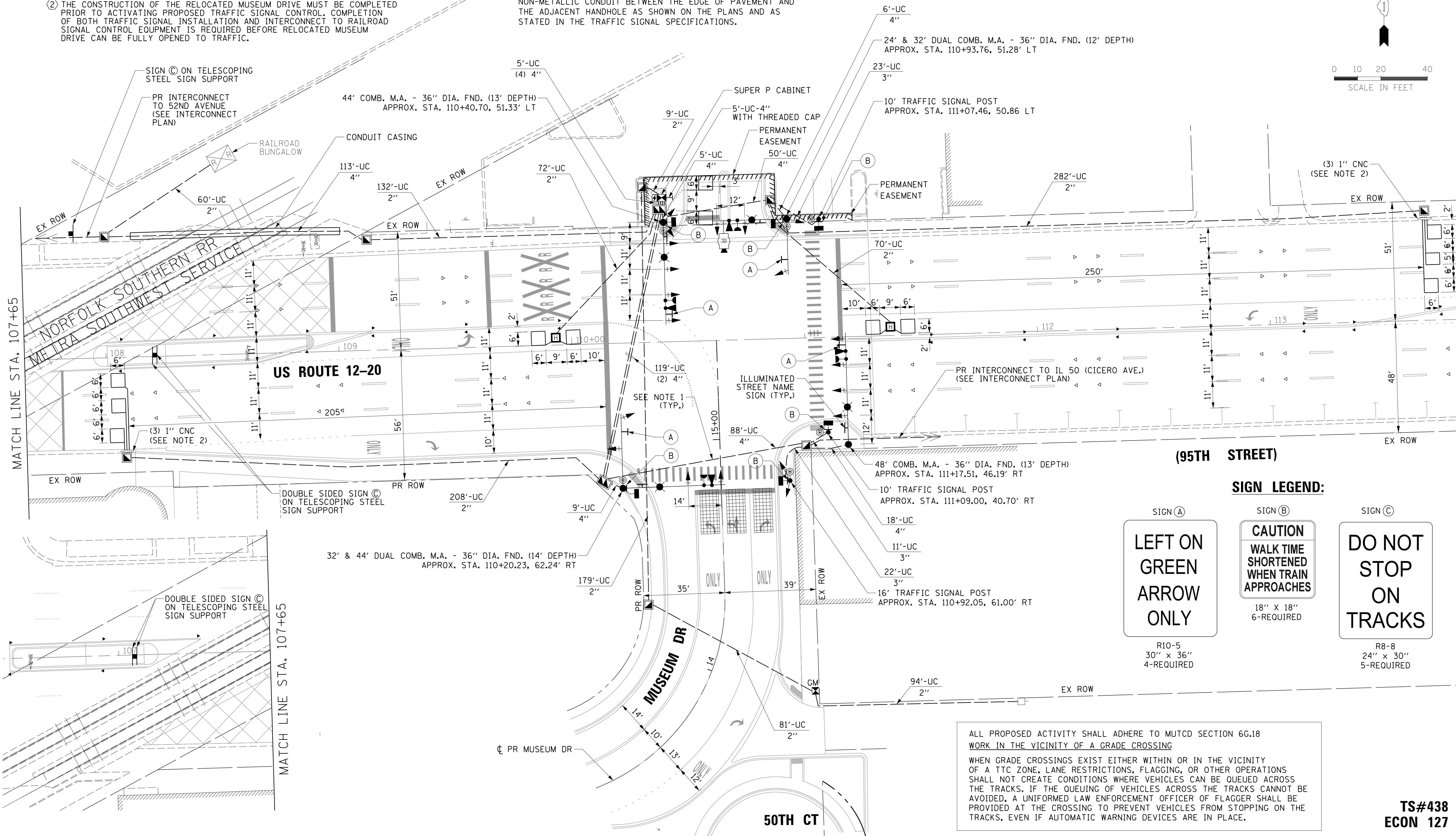
NOTES:

1. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



0 10 20 40
SCALE IN FEET

TS SHT NO. 9



SIGN LEGEND:

SIGN (A)

LEFT ON GREEN ARROW ONLY

R10-5
30" x 36"
4-REQUIRED

SIGN (B)

**CAUTION
WALK TIME SHORTENED
WHEN TRAIN APPROACHES**

18" x 18"
6-REQUIRED

SIGN (C)

DO NOT STOP ON TRACKS

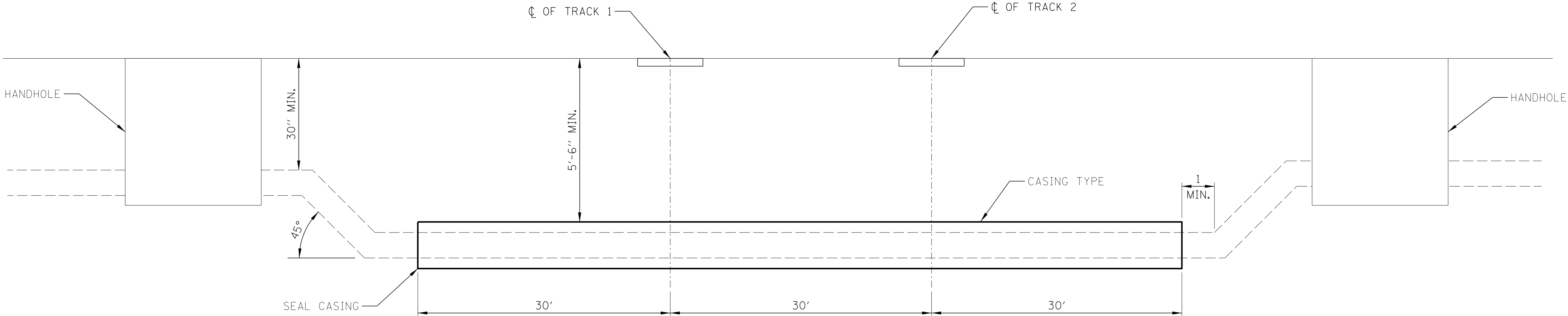
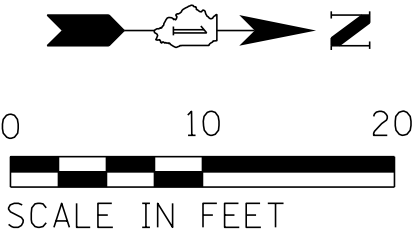
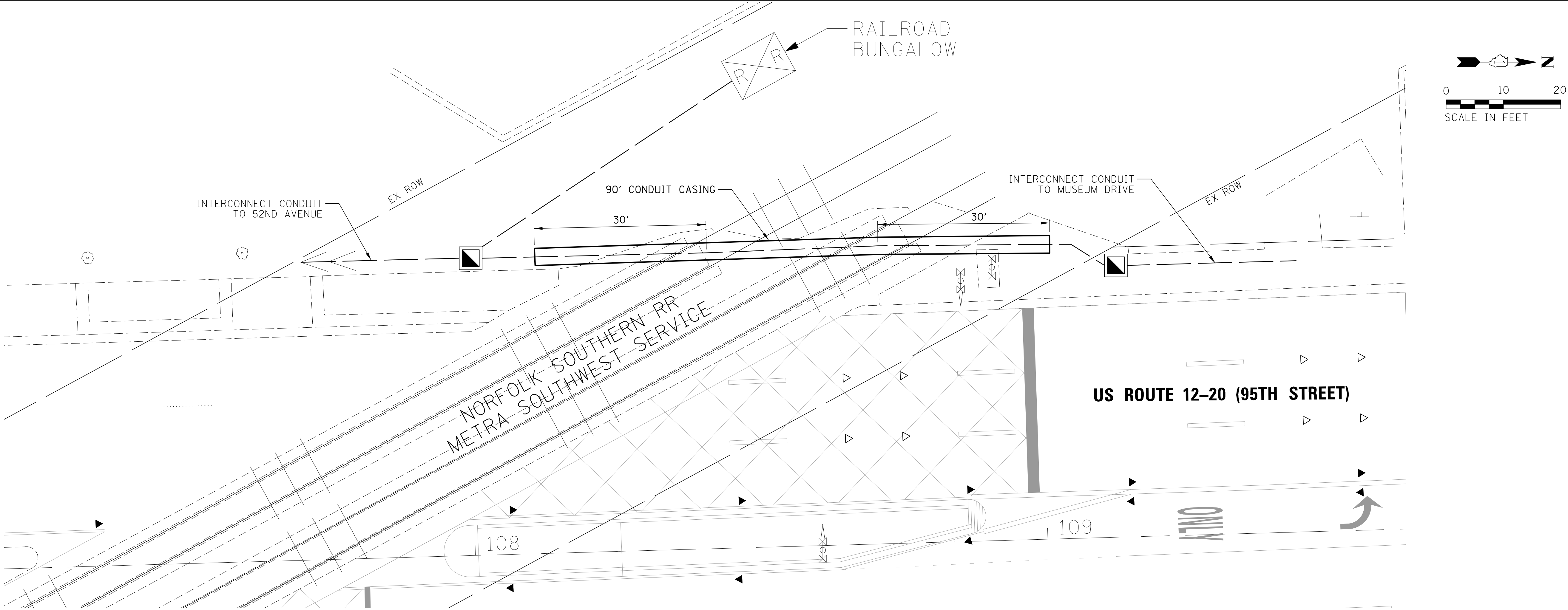
R8-8
24" x 30"
5-REQUIRED

ALL PROPOSED ACTIVITY SHALL ADHERE TO MUTCD SECTION 6G.18
WORK IN THE VICINITY OF A GRADE CROSSING

WHEN GRADE CROSSINGS EXIST EITHER WITHIN OR IN THE VICINITY OF A TTC ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT CREATE CONDITIONS WHERE VEHICLES CAN BE QUEUED ACROSS THE TRACKS. IF THE QUEUING OF VEHICLES ACROSS THE TRACKS CANNOT BE AVOIDED, A UNIFORMED LAW ENFORCEMENT OFFICER OF FLAGGER SHALL BE PROVIDED AT THE CROSSING TO PREVENT VEHICLES FROM STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE.

TS#438
ECON 127

FILE NAME = N:\0akLawn\160482\Traffic\TSD_95th-Museum.dgn	USER NAME = jlapaglia	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION PLAN 95TH STREET AND MUSEUM DRIVE	F.A.P. RTE. 0029	SECTION 05-00167-01-TL	COUNTY COOK	TOTAL SHEETS 86	SHEET NO. 38
PLOT SCALE = 20'	PLOT DATE = 4/10/2019	CHECKED -	REVISED -			CONTRACT NO. 61F37				
default		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



CONDUIT		CASING PIPE	
WALL THICKNESS	0.25"	WALL THICKNESS	0.25"
DIAMETER	4"	DIAMETER	8"
MATERIAL	STEEL	MATERIAL	STEEL

DETAIL

NOT TO SCALE

TS#438
ECON 27

FILE NAME =	USER NAME = wbioftus	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL CONDUIT CROSSING UNDER RAILROAD US ROUTE 12-20 (95TH STREET) AND MUSEUM DRIVE					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\0akLawn\160482\Traffic\TSD.DTL1-95th	RR.dgn	DRAWN - FPB	REVISED -		0029	05-00167-00-TL	COOK	86	39					
	PLOT SCALE = 10'	CHECKED - GMZ	REVISED -		CONTRACT NO. 61F37									
Default	PLOT DATE = 4/8/2019	DATE -	REVISED -		SCALE: 10'	SHEET 39 OF 86 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT					

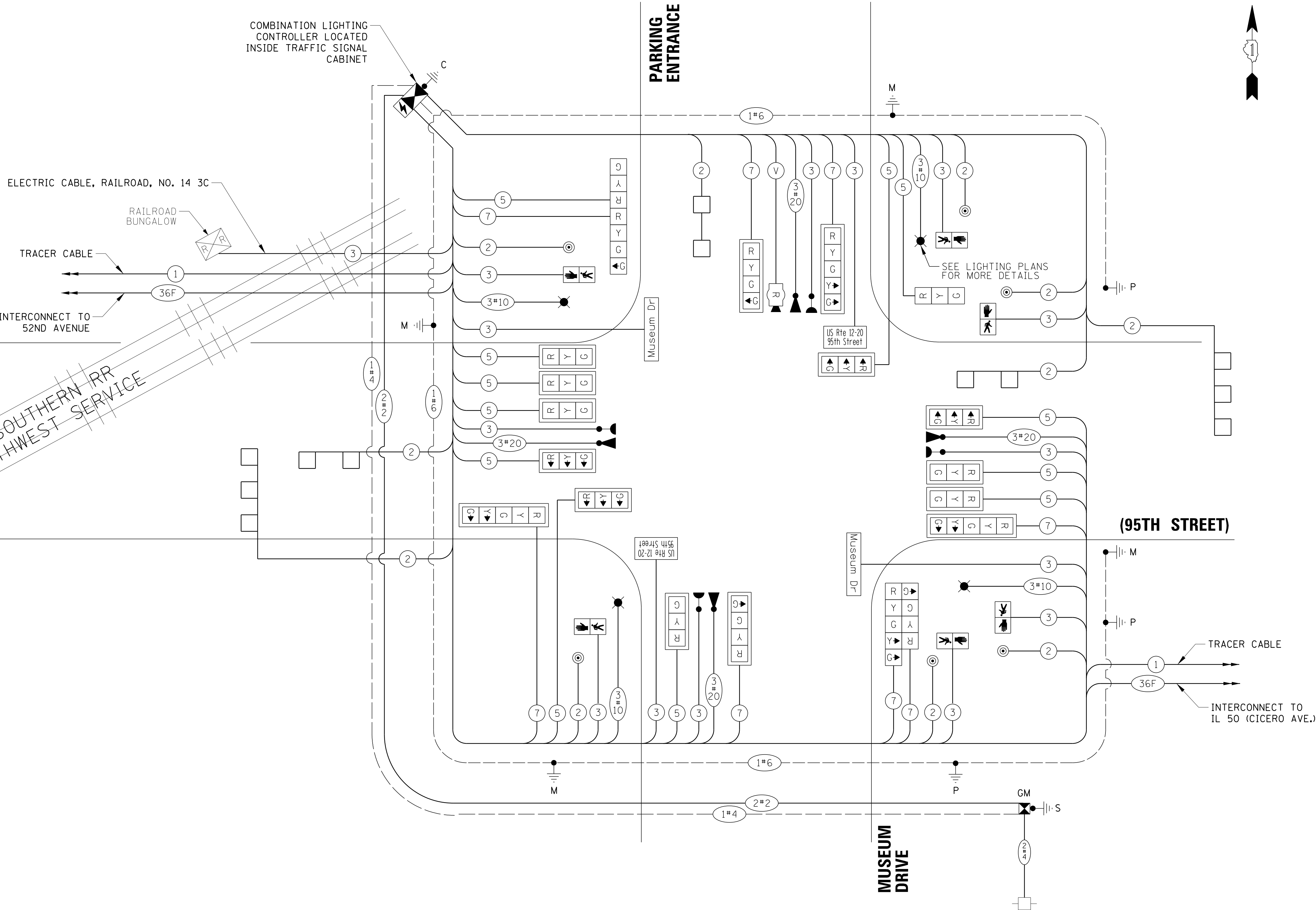
TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	24	12	45	129.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
ILL ST NAME SIGN	4	120	50	240.0
LUMINAIRE	4	140	50	280.0
TOTAL =				1032.6

ENERGY COSTS TO:
VILLAGE OF OAK LAWN
9446 S. RAYMOND AVENUE
OAK LAWN, ILLINOIS 60453

ENERGY SUPPLY: CONTACT: REGINA WHITE
PHONE: 708-235-2353
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 337-104-0099

FILE NAME :	USER NAME : wbioftus	DESIGNED -	REVISED -
N:\OakLawn\160482\Traffic\CAB-01_95th-Museum.dgn		DRAWN -	REVISED -
	PLOT SCALE : 20'	CHECKED -	REVISED -
default	PLOT DATE: 4/8/2019	DATE -	REVISED -



CABLE PLAN
(NOT TO SCALE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
US ROUTE 12-20 (95TH STREET) AND MUSEUM DRIVE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0029	05-00167-01-TL	COOK	86	40
CONTRACT NO.			61F37	
ILLINOIS FED. AID PROJECT				

TS#438
ECON 127

LED ILLUMINATED STREET NAME SIGNS



DESIGN SERIES	SIGN DIMENSIONS	SIGN NAME	QUANTITY
D	72'' x 18''	Museum Dr	2



DESIGN SERIES	SIGN DIMENSIONS	SIGN NAME	QUANTITY
D	96'' x 30''	US Route 12-120 / 95th St	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION
PLEASE SEE DISTRICT ONE ILLUMINATED STREET NAME
SIGN DETAIL.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	102
TELESCOPING STEEL SIGN SUPPORT	FOOT	79
BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	3
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1300
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	53
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	601
HANDHOLE	EACH	7
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	971
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1792
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1905
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1644
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1016
ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	354
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 2 2 C	FOOT	417
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 4 1C	FOOT	291
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	768
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 32 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	15
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	411
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	6
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	779
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 32 FT. AND 44 FT.	EACH	1
CABLE, SPECIAL	FOOT	682

FILE NAME : N:\OakLawn\160482\Traffic\CAB-02-95th-Museum.dgn default	USER NAME : jlapaglia	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGN	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -									0029	05-00167-01-TL	COOK	86	41
		PLOT SCALE : 20'	CHECKED -									CONTRACT NO. 61F37				
		PLOT DATE : 4/10/2019	DATE -									ILLINOIS FED. AID PROJECT				

SEQUENCE OF OPERATION

MOVEMENT N		5 1 OL							6 1 OL				5 2				6 2								3			OL 4				F L A S H		
PHASE		1 + 5							1 + 6				2 + 5				2 + 6								3			4						
INTERVAL		1	2A	2B	3A	3B	4A	4B	5	6	7A	7B	8	9	10A	10B	11	12	13A	13B	14A	14B	15A	15B	16	17A	17B	18	19	20A	20B			
CHANGE TO			1+6			2+5		2+6		θ	θ	2+6		θ	θ	2+6				1+6		2+5		1+5 3 4			1+5 2+5 4		1+6 2+6					1+5 2+5
US ROUTE 12-20 (95TH STREET) NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS		E/B	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	
US ROUTE 12-20 (95TH STREET) MIDDLE LEFT AND MIDDLE RIGHT MAST ARM SIGNALS		E/B	R	R	R	R	R	R	R	R	R	R	G	G	G	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	
US ROUTE 12-20 (95TH STREET) END MAST ARM AND FAR LEFT MAST ARM SIGNALS		E/B	←G	←Y	←R	←G	←G	←Y	←R	←R	←R	←R	←G	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	
US ROUTE 12-20 (95TH STREET) NEAR RIGHT, FAR RIGHT, MIDDLE RIGHT, MIDDLE LEFT MAST ARM SIGNALS		W/B	R	R	R	R	R	R	G	G	G	G	R	R	R	R	G	G	G	G	Y	R	Y	R	R	R	R	R	R	R	R	R	R	
US ROUTE 12-20 (95TH STREET) END MAST ARM AND FAR LEFT MAST ARM SIGNALS		W/B	←G	←G	←G	←Y	←R	←Y	←R	←G	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	
MUSEUM DRIVE FAR RIGHT AND NEAR RIGHT SIGNALS		N/B	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R	
MUSEUM DRIVE END MAST ARM AND FAR LEFT SIGNALS		N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	←G	←G	Y	R	R	
MUSEUM DRIVE NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS		S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	
MUSEUM DRIVE END MAST ARM AND FAR LEFT SIGNALS		S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	←G	Y	R	R	R	R	R	R	R	
PEDESTRIAN SIGNALS CROSSING MUSEUM DRIVE ON NORTH SIDE OF US ROUTE 12-20 (95TH STREET)			H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING MUSEUM DRIVE ON SOUTH SIDE OF US ROUTE 12-20 (95TH STREET)			H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	*P	**FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING US 12-20 (95TH STREET) ON EAST SIDE OF MUSEUM DRIVE			H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	*P	**FH	H	H	H	

PHASE 2+6 SHALL BE
PLACED ON RECALL

★ TO APPEAR ONLY UPON PUSHBUTTON ACTUATION

★★ FLASHING "P" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

Θ THIS "P" OR FLASHING "P" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE OR FLASHING "P" INTERVALS.

P = ILLUMINATED PERSON = WALK
FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
H = ILLUMINATED SOLID HAND = DON'T WALK

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

																														PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	PREEMPTOR NUMBER 6								
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		1		1		5			5			8	8			11			11			11			16	16	18			18							CLEAR TO NORMAL SEQUENCE			
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	1GG	1HH	1JJ	1KK	2	3	4		5		
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	3 OR 5	1F	4	1H	1J	2, 3 OR 5	1L	1M	4	2	1Q	1R	3, 4 OR 5	1T	1U	2	1W	1X	3 OR 5	1Z	1AA	4	1CC	2, 4 OR 5	3	1FF	1GG	2, 3 OR 4	1JJ	1KK	5							
US ROUTE 12-20 (95TH STREET) NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	G	R	R		R	◇	
US ROUTE 12-20 (95TH STREET) MIDDLE LEFT AND MIDDLE RIGHT MAST ARM SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	G	G	G	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	G	R	R		R	◇	
US ROUTE 12-20 (95TH STREET) END MAST ARM AND FAR LEFT MAST ARM SIGNALS	E/B	←G	←G	←Y	←R	←Y	←R	←R	←R	←R	←R	←R	←G	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←G	←R		←R	←R	◇
US ROUTE 12-20 (95TH STREET) NEAR RIGHT, FAR RIGHT, MIDDLE RIGHT, MIDDLE LEFT MAST ARM SIGNALS	W/B	R	R	R	R	R	G	Y	R	G	G	G	R	R	R	R	G	Y	R	G	Y	R	G	G	G	R	R	R	R	R	R	R	R	R	R	R	R		R	◇	
US ROUTE 12-20 (95TH STREET) END MAST ARM AND FAR LEFT MAST ARM SIGNALS	W/B	←Y	←R	←Y	←R	←G	←G	←G	←Y	←R	←G	←G	←G	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R		←R	◇	
MUSEUM DRIVE FAR RIGHT AND NEAR RIGHT SIGNALS	N/B	R Y→	R	R Y→	R	R Y→	R	R G→	R Y→	R	R G→	R Y→	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	G	R	R	R		G	◇	
MUSEUM DRIVE END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	←G	Y	R	←G	←G	←G	R	R	R		←G	◇	
MUSEUM DRIVE NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	R	R	R	R	R	R	R	R	R	R	◇		
MUSEUM DRIVE END MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	←G	←G	R	R	R	R	R	R	R	R	R	R	◇		
PEDESTRIAN SIGNALS CROSSING MUSEUM DRIVE ON NORTH SIDE OF US ROUTE 12-20 (95TH STREET)	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	FH	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇			
PEDESTRIAN SIGNALS CROSSING MUSEUM DRIVE ON SOUTH SIDE OF US ROUTE 12-20 (95TH STREET)	H	H	H	H	H	H	H	H	H	H	H	H	FH	FH	H	H	FH	H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇			
PEDESTRIAN SIGNALS CROSSING US 12-20 (95TH STREET) ON EAST SIDE OF MUSEUM DRIVE	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	◇			

EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4 OR 5 IS TERMINATED.

TS#438
ECON 127

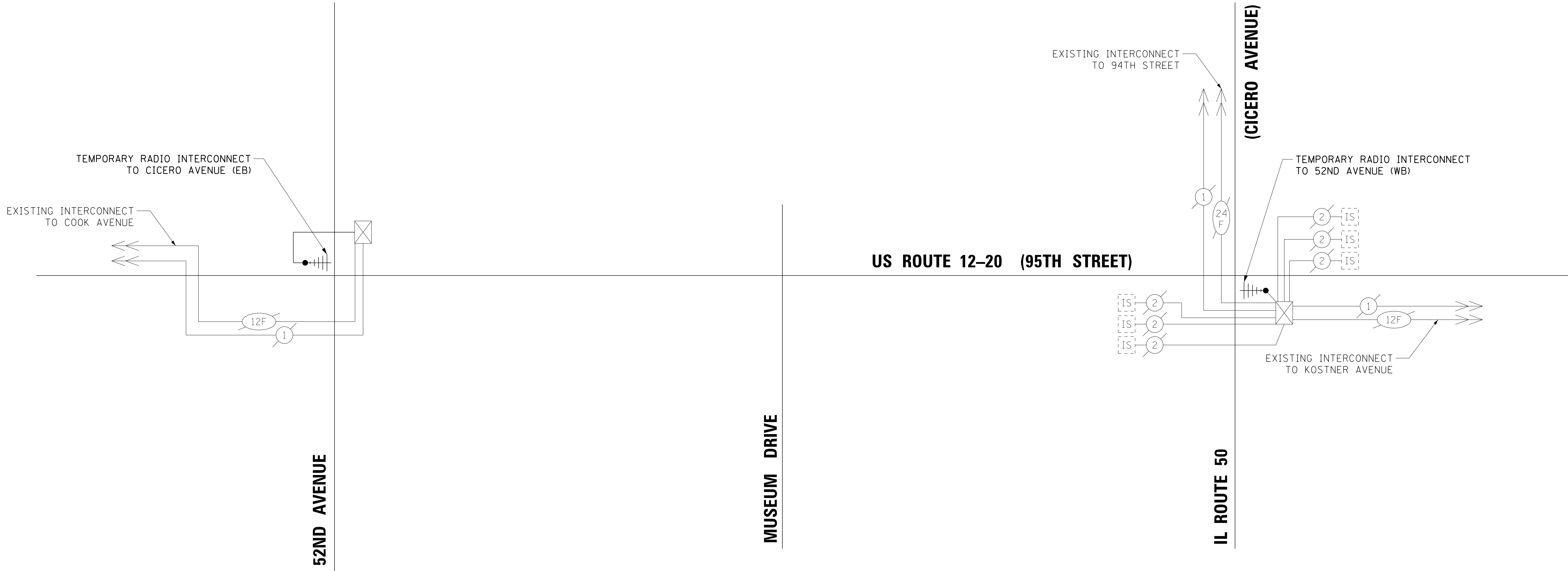
FILE NAME =	USER NAME = wbioftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SEQUENCE OF OPERATION & EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION US ROUTE 12-20 (95TH STREET) AND MUSEUM DRIVE VILLAGE OF OAK LAWN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\OakLawn\160482\Traffic\SE01-95th-Museum.dgn	DRAWN -	REVISED -	0029				05-00167-01-TL	COOK	86	42		
PLOT SCALE = 1'	CHECKED -	REVISED -	CONTRACT NO. 61F37									
default	PLOT DATE = 4/8/2019	DATE -	REVISED -				ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

RAILROAD PREEMPTION SEQUENCE OF OPERATION

RAILROAD PREEMPTION SEQUENCE OF OPERATION												PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	PREEMPTOR NUMBER 6	PREEMPTOR NUMBER 2							
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		5		8	11		16		18													
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER												2	3		4		5						
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	2	3	4	5	CLEAR TO NORMAL SEQUENCE
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	2	1G	2	1J	2	1L	2	2	1P	2	1R	2	1T	2	3	4	5		
US ROUTE 12-20 (95TH STREET) NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	E/B	R	R	R	R	G	G	G	R	R	R Y →	R	G	R	R	R	R	R	G	Y	R	R	Δ
US ROUTE 12-20 (95TH STREET) MIDDLE LEFT AND MIDDLE RIGHT MAST ARM SIGNALS	E/B	R	R	R	R	G	G	G	R	R	R	R	G	R	R	R	R	R	G	Y	R	R	Δ
US ROUTE 12-20 (95TH STREET) END MAST ARM AND FAR LEFT MAST ARM SIGNALS	E/B	←G	←G	←R	←R	←G	←R	←R	←R	←R	←R	←R	←G	←R	←R	←R	←R	←R	←G	←Y	←R	←R	Δ
US ROUTE 12-20 (95TH STREET) NEAR RIGHT, FAR RIGHT, MIDDLE RIGHT, MIDDLE LEFT MAST ARM SIGNALS	W/B	R	R	Y	R	R	Y	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	Δ
US ROUTE 12-20 (95TH STREET) END MAST ARM AND FAR LEFT MAST ARM SIGNALS	W/B	←Y	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←G	Δ
MUSEUM DRIVE FAR RIGHT AND NEAR RIGHT SIGNALS	N/B	R Y →	R	R Y →	R	R	R	R	R	R	Y	R	R	R	R	R	R	Y	R	R	R	R G →	Δ
MUSEUM DRIVE END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	Y	R	R	R	R	R	Δ
MUSEUM DRIVE NEAR RIGHT AND FAR RIGHT MAST ARM SIGNALS	S/B	R	R	R	R	R	R	R	Y	R	R	R	R	Y	R	R	R	R	R	R	R	R	Δ
MUSEUM DRIVE END MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	R	R	R	Y	R	R	R	R	Y	R	R	R	R	R	R	R	R	Δ
PEDESTRIAN SIGNALS CROSSING MUSEUM DRIVE ON NORTH SIDE OF US ROUTE 12-20 (95TH STREET)		H	H	FH	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	Δ
PEDESTRIAN SIGNALS CROSSING MUSEUM DRIVE ON SOUTH SIDE OF US ROUTE 12-20 (95TH STREET)		H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	Δ
PEDESTRIAN SIGNALS CROSSING US 12-20 (95TH STREET) ON EAST SIDE OF MUSEUM DRIVE		H	H	H	H	H	H	H	H	FH	H	H	H	H	H	H	H	H	H	H	H	H	Δ
																						HOLD	



RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.



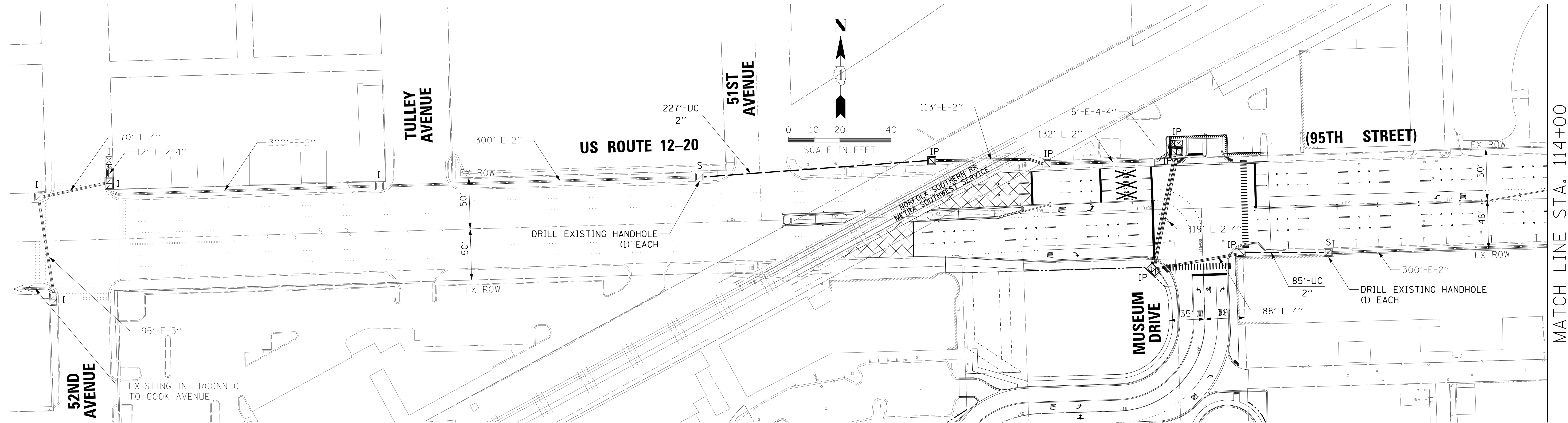
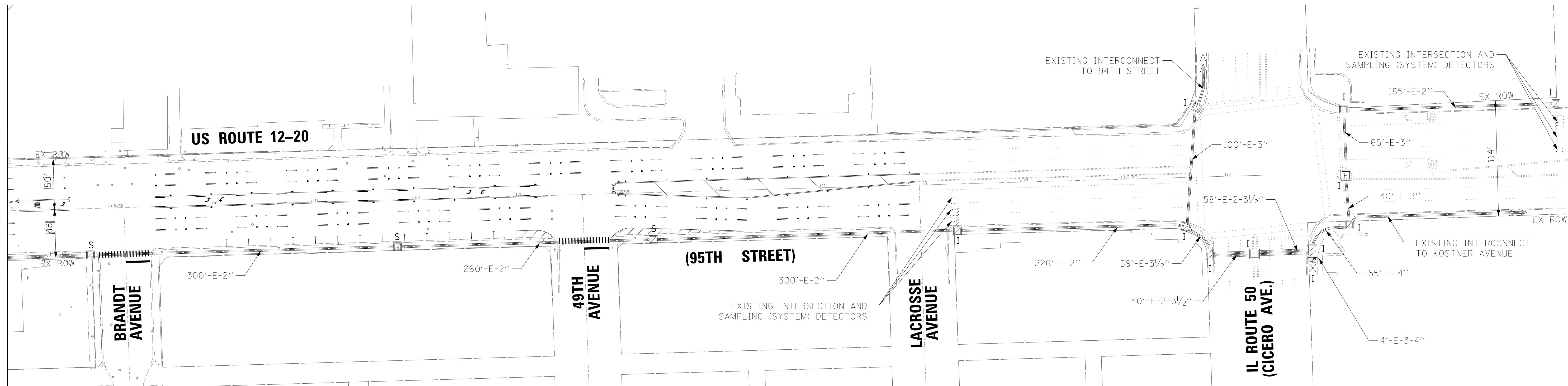
FILE NAME =	USER NAME = wbioftus	DESIGNED -	REVISED -
N:\0akLawn\160482\Traffic\TMP-Sch_99th-	60482.dgn	DRAWN -	REVISED -
default	PLOT SCALE = 50'	CHECKED -	REVISED -
	PLOT DATE = 4/8/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

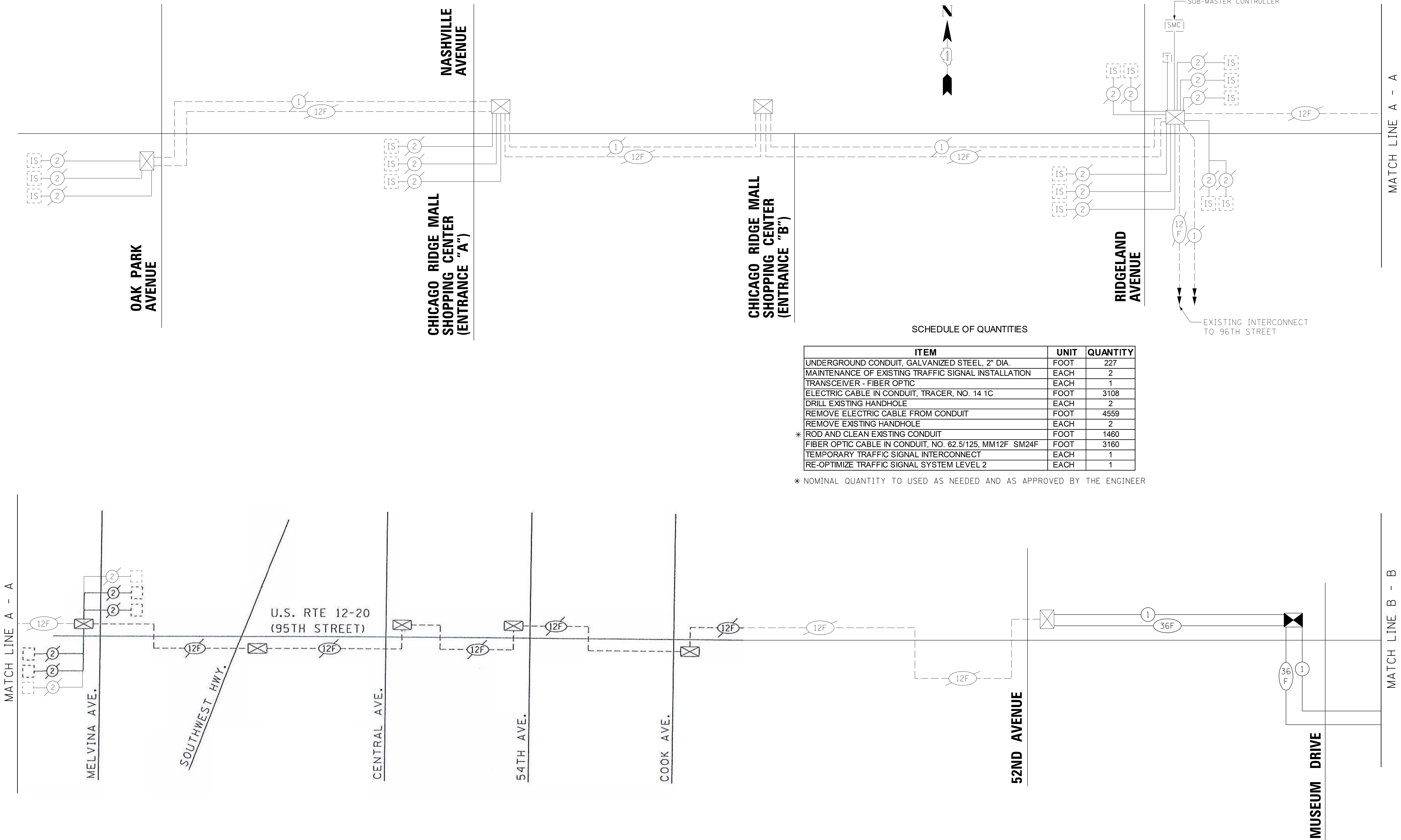
TEMPORARY INTERCONNECT SCHEMATIC DIAGRAM
US ROUTE 12-20 (95TH STREET)
FROM 52ND STREET TO IL ROUTE 50 (CICERO AVENUE)

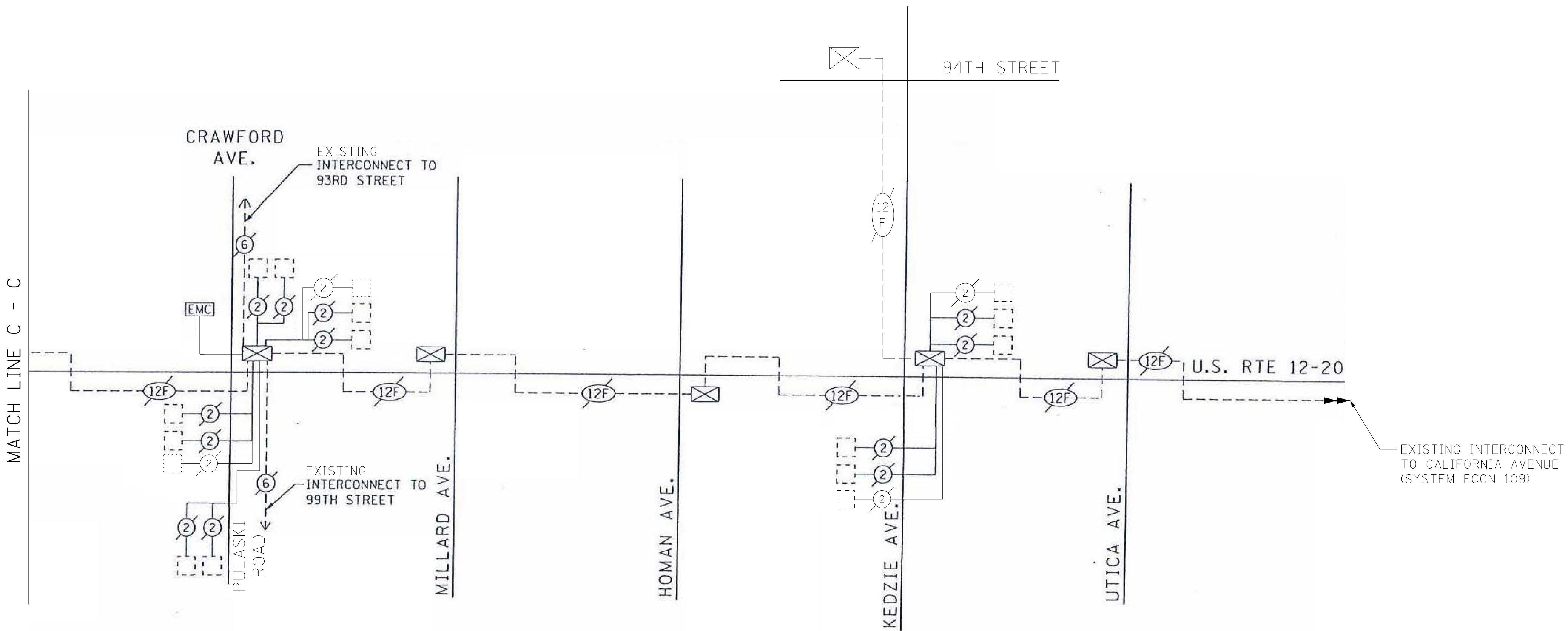
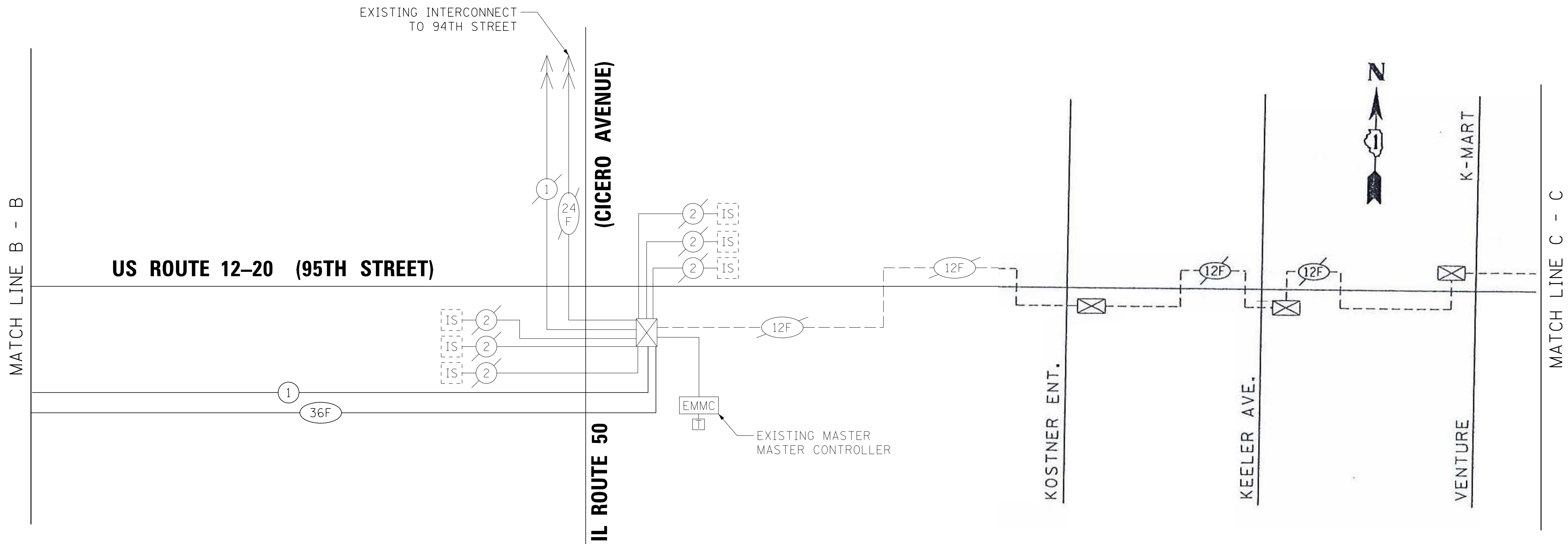
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0029	05-00167-01-TL	COOK	86	45
		CONTRACT NO. 61F37		
ILLINOIS FED. AID PROJECT				



FILE NAME = N:\0akLawn\160482\Traffic\INT_95th-160482.dgn	USER NAME = wbioftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN US ROUTE 12-20 (95TH STREET) FROM 52ND STREET TO IL ROUTE 50 (CICERO AVENUE)			F.A.P. RTE. 0029	SECTION 05-00167-01-TL	COUNTY COOK	TOTAL SHEETS 86	SHEET NO. 46
default	PLOT SCALE = 50'	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO.	61F37
	PLOT DATE = 4/8/2019	CHECKED -	REVISED -								ILLINOIS	FED. AID PROJECT
		DATE -	REVISED -									





FILE NAME =	USER NAME = wbioftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT SCHEMATIC DIAGRAM (SHEET 2 OF 2)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Traffic\SCH2.95th-160482.dgn		DRAWN -	REVISED -						0029	05-00167-01-TL	COOK	86	48
default	PLOT SCALE = 50'	CHECKED -	REVISED -		CONTRACT NO. 61F37								
	PLOT DATE = 4/8/2019	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
SCALE:					SHEET	OF	SHEETS	STA.	TO	STA.			

PROFILE SURVEYED _____ PLOTTED _____ GRADES CHECKED _____ NOTE BOOK _____ B.M. NOTED _____ STRUCTURE NOTATIONS CHECKED _____ NO. _____		BY _____ DATE _____	
CHRISTOPHER B. BURKE 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-4500		PLAN _____ SURVEYED _____ PLOTTED _____ ALIGNMENT _____ RT. OF WAY CHECKED _____ CAD FILE NAME _____ NO. _____	
		BY _____ DATE _____	

- ## LIGHTING REMOVAL NOTES

- ## LIGHTING BILL OF MATERIALS

CAUTION
NOTE TO CONTRACTOR:

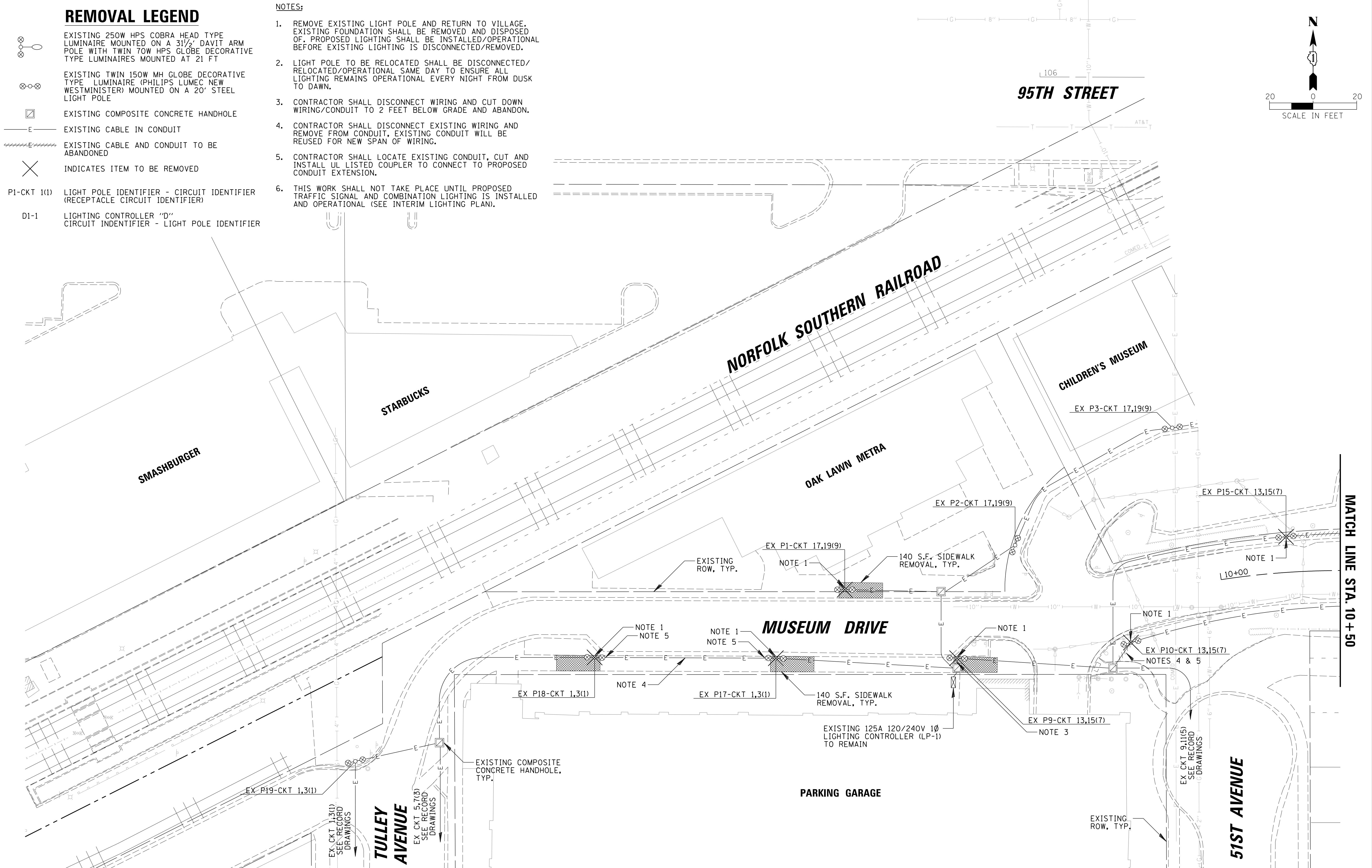
THE VILLAGE OF OAK LAWN WILL OWN AND MAINTAIN THE PROPOSED LIGHTING SYSTEM ALONG MUSEUM DRIVE AND 95TH STREET. STEEL COMBINATION MAST ARM ASSEMBLY AND POLE AT INTERSECTION OF 95TH STREET AND MUSEUM DRIVE WILL BE OWNED AND MAINTAINED BY IDOT.

A	AMPS
CKT	CIRCUIT
CNC	COILABLE NON-METALLIC CONDUIT
DIA	DIAMETER
FT	FOOT
FOC	FACE OF CURB
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HDPE	HIGH DENSITY POLYETHYLENE
HH	HAND HOLE
HPS	HIGH PRESSURE SODIUM
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SS	STAINLESS STEEL
STA	STATION
V	VOLTS
W	WATTS
WR	WEATHER RESISTANT

FILE NAME =	USER NAME = wblotus	DESIGNED DRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING GENERAL NOTES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Mech\NOT_160482_01.sht		DRAWN DRK	REVISED -		95TH STREET AND MUSEUM DRIVE				0029	05-00167-01-TL	COOK	86	49
		CHECKED AJD	REVISED -		OAK LAWN, ILLINOIS				CONTRACT NO. 61F37				
Default	PLOT SCALE = 20'	DATE 4/8/2019	REVISED -		SCALE: N.T.S. SHEET 49 OF 86 SHEETS STA. - TO STA. -				ILLINOIS FED. AID PROJECT				
Default													

	EXISTING 250W HPS COBRA HEAD TYPE LUMINAIRE MOUNTED ON A 31 1/2" DAVIT ARM POLE WITH TWIN 70W HPS GLOBE DECORATIVE TYPE LUMINAIRE MOUNTED AT 21 FT
	EXISTING TWIN 150W MH GLOBE DECORATIVE TYPE LUMINAIRE (PHILIPS LUMEC NEW WESTMINSTER) MOUNTED ON A 20' STEEL LIGHT POLE
	EXISTING COMPOSITE CONCRETE HANDHOLE
	EXISTING CABLE IN CONDUIT
	EXISTING CABLE AND CONDUIT TO BE ABANDONED
	INDICATES ITEM TO BE REMOVED
P1-CKT 1(1)	LIGHT POLE IDENTIFIER - CIRCUIT IDENTIFIER (RECEPTACLE CIRCUIT IDENTIFIER)
D1-1	LIGHTING CONTROLLER "D" CIRCUIT IDENTIFIER - LIGHT POLE IDENTIFIER

1. REMOVE EXISTING LIGHT POLE AND RETURN TO VILLAGE. EXISTING FOUNDATION SHALL BE REMOVED AND DISPOSED OF. PROPOSED LIGHTING SHALL BE INSTALLED/OPERATIONAL BEFORE EXISTING LIGHTING IS DISCONNECTED/REMOVED.
2. LIGHT POLE TO BE RELOCATED SHALL BE DISCONNECTED/RELOCATED/OPERATIONAL SAME DAY TO ENSURE ALL LIGHTING REMAINS OPERATIONAL EVERY NIGHT FROM DUSK TO DAWN.
3. CONTRACTOR SHALL DISCONNECT WIRING AND CUT DOWN WIRING/CONDUIT TO 2 FEET BELOW GRADE AND ABANDON.
4. CONTRACTOR SHALL DISCONNECT EXISTING WIRING AND REMOVE FROM CONDUIT, EXISTING CONDUIT WILL BE REUSED FOR NEW SPAN OF WIRING.
5. CONTRACTOR SHALL LOCATE EXISTING CONDUIT, CUT AND INSTALL UL LISTED COUPLER TO CONNECT TO PROPOSED CONDUIT EXTENSION.
6. THIS WORK SHALL NOT TAKE PLACE UNTIL PROPOSED TRAFFIC SIGNAL AND COMBINATION LIGHTING IS INSTALLED AND OPERATIONAL (SEE INTERIM LIGHTING PLAN).



PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTED		
 CHRISTOPHER B. BURKE 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500			
	PLAN	SURVEYED	BY
	NOTE BOOK	ALIGNED	
	NO. _____	RT. OF WAY CHECKED	
		CAUD FILE NAME	

FILE NAME =	USER NAME = wbioftus	DESIGNED DRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING REMOVAL PLAN (1 OF 3) 95TH STREET AND MUSEUM DRIVE OAK LAWN, ILLINOIS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Mech\REM_160482_01.sht		DRAWN DRK	REVISED -		0029	05-00167-01-TL	COOK	86	50				
Default	PLOT SCALE = 20'	CHECKED AJD	REVISED -		CONTRACT NO. 61F37								
Default	PLOT DATE = 4/8/2019	DATE 4/8/2019	REVISED -		SCALE: 1"=20'	SHEET 50 OF 86	SHEETS STA. -	TO STA. -					

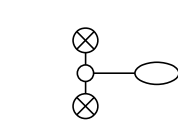
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NOTE BOOK		
	B.M. NOTED		
NO. _____	STRUCTURE	NOTATMS	CHKD
	NO. _____		

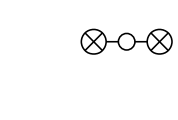
CHRISTOPHER B. BURKE
ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CBB

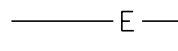
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
NO. _____			
CADD FILE NAME _____			

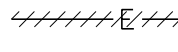
REMOVAL LEGEND

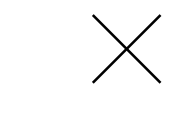
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EXISTING 250W HPS COBRA HEAD TYPE LUMINAIRE MOUNTED ON A 3 1/2' DAVIT ARM POLE WITH TWIN 70W HPS GLOBE DECORATIVE TYPE LUMINAIRES MOUNTED AT 21 FT
- 

EXISTING TWIN 150W MH GLOBE DECORATIVE TYPE LUMINAIRE (PHILIPS LUMEC NEW WESTMINSTER) MOUNTED ON A 20' STEEL LIGHT POLE
- 

EXISTING COMPOSITE CONCRETE HANDHOLE
- 

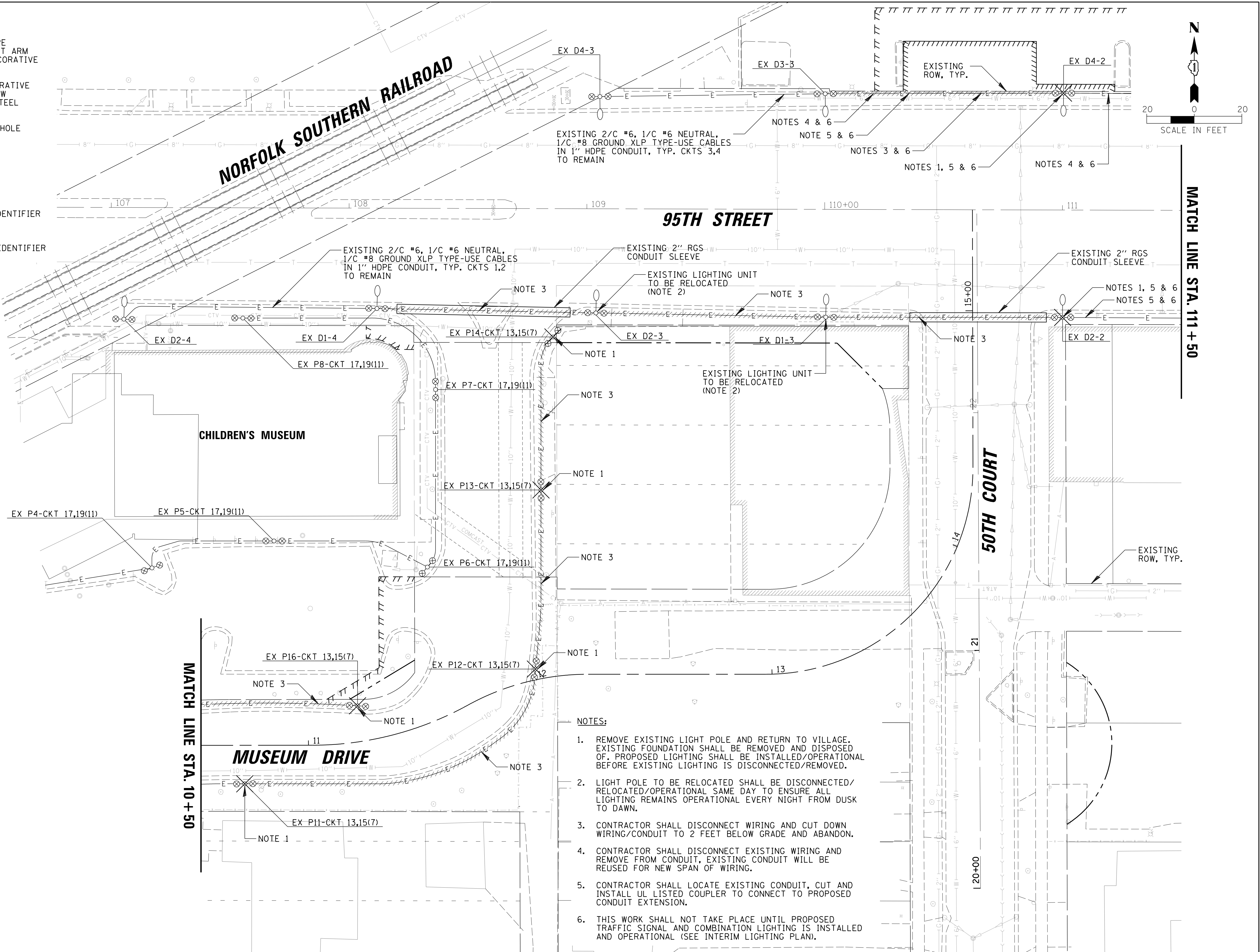
EXISTING CABLE IN CONDUIT
- 

EXISTING CABLE AND CONDUIT TO BE ABANDONED
- 

INDICATES ITEM TO BE REMOVED
- P1-CKT 1(1)

LIGHT POLE IDENTIFIER - CIRCUIT IDENTIFIER (RECEPTACLE CIRCUIT IDENTIFIER)
- D1-1

LIGHTING CONTROLLER "D" CIRCUIT IDENTIFIER - LIGHT POLE IDENTIFIER



FILE NAME =	USER NAME = wbioftus	DESIGNED DRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING REMOVAL PLAN (2 OF 3) 95TH STREET AND MUSEUM DRIVE OAK LAWN, ILLINOIS	F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Mech\REM.160482.02.sht		DRAWN DRK	REVISED -			0029	05-00167-01-TL	COOK	86	51	
PLOT SCALE = 20'	CHECKED AJD	REVISED -	CONTRACT NO. 61F37								
PLOT DATE = 4/8/2019	DATE 4/8/2019	REVISED -	ILLINOIS FED. AID PROJECT								
Default											
Default					SCALE: 1"= 20'	SHEET 51	OF 86 SHEETS	STA. -	TO STA. -		

PROFILE

SURVEYED
PLOTTED
NOTE BOOK
NO.

GRADES CHECKED
STRUCTURE
NOTATMS CHKD

DATE
BY

PLAN

SURVEYED
PLOTTED
NOTE BOOK
NO.

ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

DATE
BY

FILE NAME

USER NAME

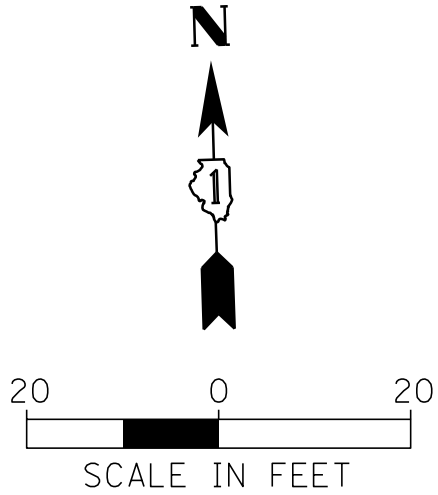
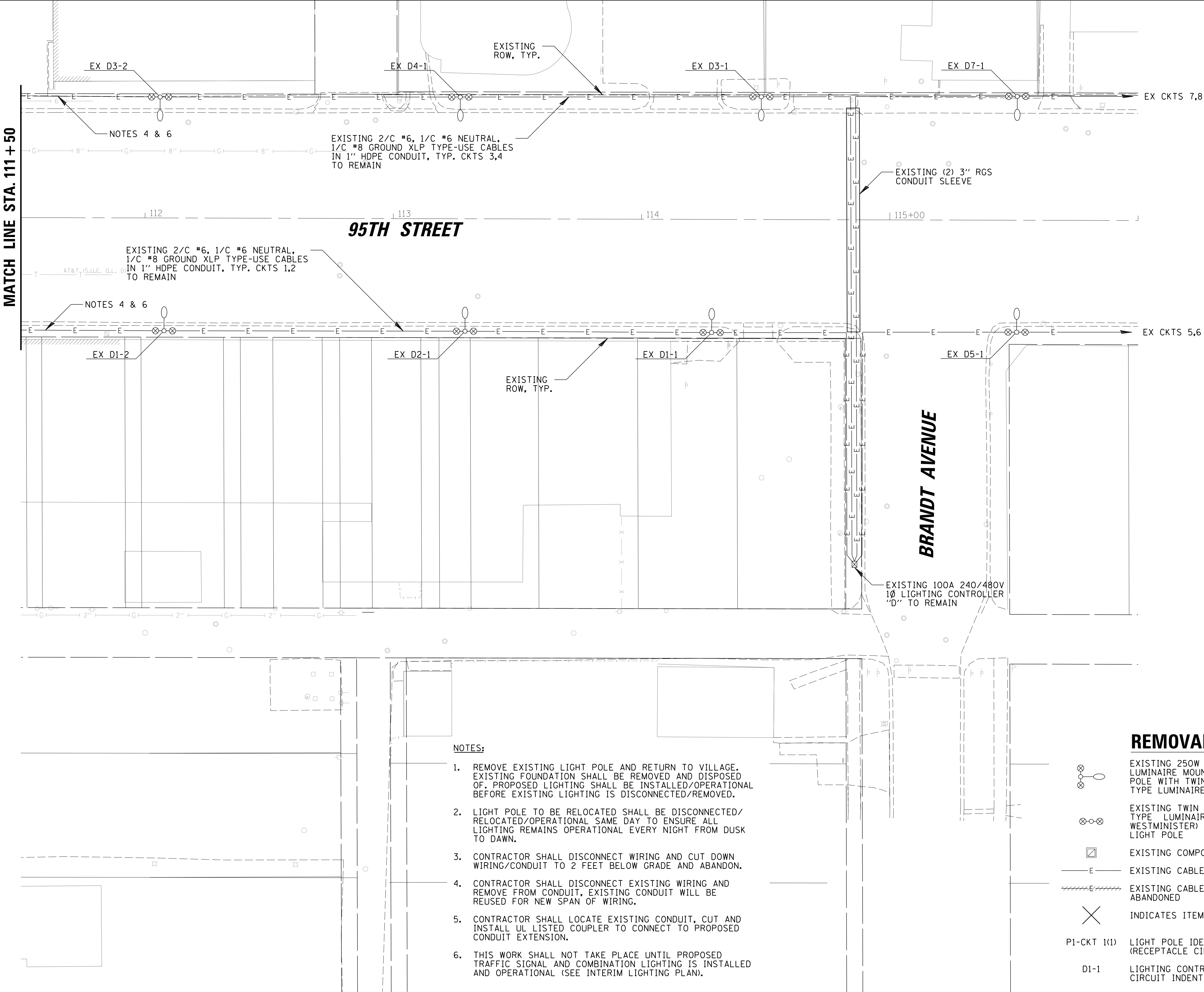
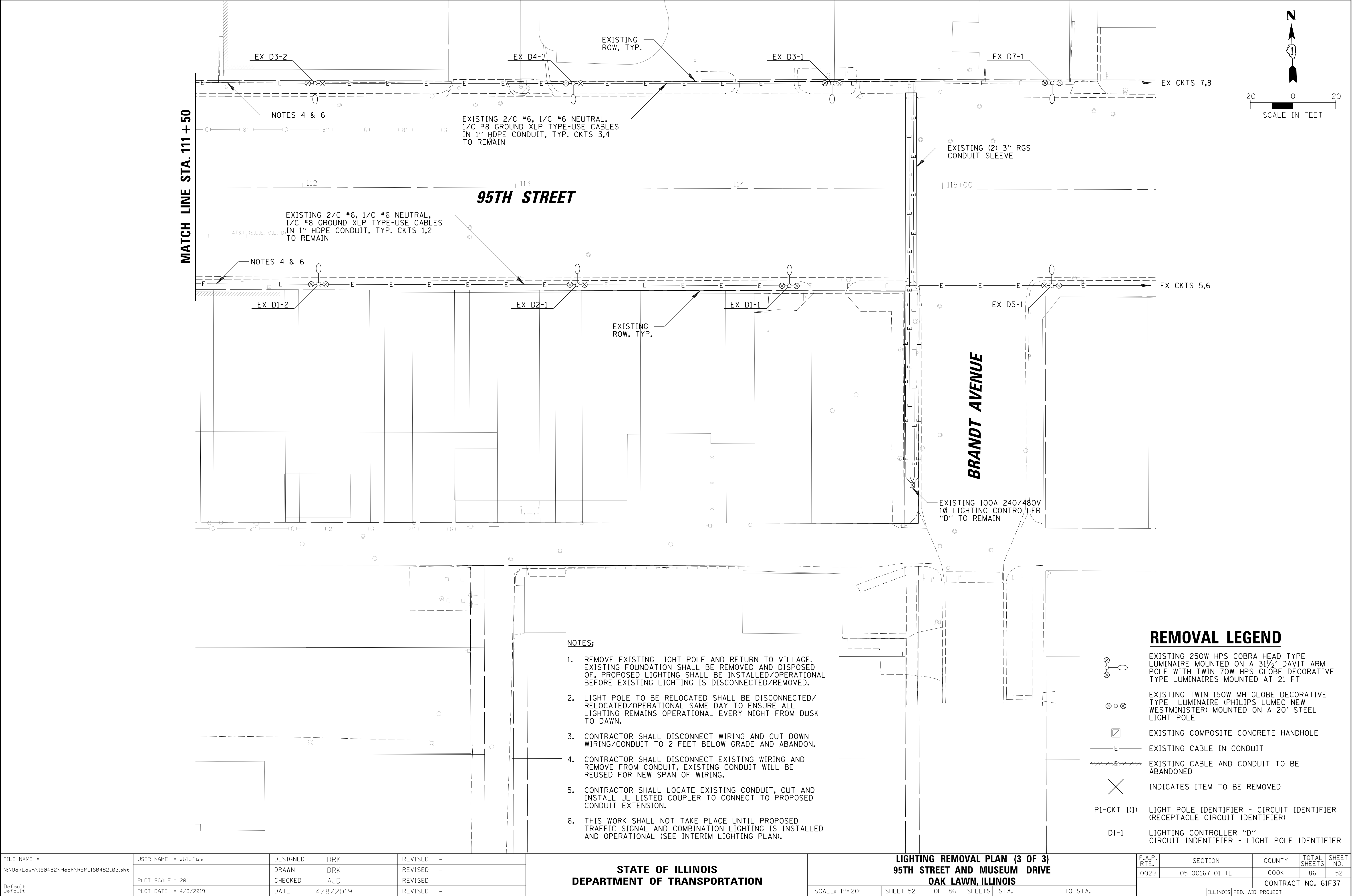
DESIGNED

REVISED

DRAWN

CHECKED

DATE



[illegible]

1. EXISTING LIGHT POLE SHALL NOT BE DISCONNECTED/
REMOVED UNTIL PROPOSED TRAFFIC SIGNAL AND
COMBINATION LUMINAIRE IS INSTALLED AND OPERATIONAL.
2. SEE TRAFFIC SIGNAL PLANS FOR TIMING OF TRAFFIC SIGNAL
AND COMBINATION LIGHTING INSTALLATION.

CONDUIT SCHEDULE	
ID	DESCRIPTION
	PROPOSED 1" SCH 40 HDPE CONDUIT
	1" SCH 40 HDPE CONDUIT (SEE NOTES)
	EXISTING 1" SCH 40 HDPE CONDUIT
	PROPOSED RGS TRAFFIC CONDUIT
	PROPOSED 2" SCH 40 HDPE CONDUIT
	2" SCH 40 HDPE CONDUIT (SEE NOTES)
	EXISTING 2" SCH 40 HDPE CONDUIT

CONDUCTOR SCHEDULE	
ID	DESCRIPTION
①	PROPOSED XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT)
②	PROPOSED XLP TYPE USE 3/C #6, 1/C #8 GROUND
③	PROPOSED XLP TYPE USE 2/C #10, 1/C #10 GROUND
④	EXISTING XLP TYPE USE 3/C #6, 1/C #8 GROUND
⑤	PROPOSED XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT) PROPOSED XLP TYPE USE 1/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑥	EXISTING XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT) EXISTING XLP TYPE USE 1/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑦	EXISTING XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT) EXISTING XLP TYPE USE 2/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑧	PROPOSED XLP TYPE USE 4/C #6, 1/C #6 GROUND (LIGHT) PROPOSED XLP TYPE USE 2/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑨	EXISTING XLP TYPE USE 4/C #6, 1/C #6 GROUND (LIGHT) EXISTING XLP TYPE USE 2/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)

FILE NAME = N:\OakLawn\160482\Mech\INT.160482.01.sht	USER NAME = wbioftus	DESIGNED DRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERIM LIGHTING PLAN 95TH STREET AND MUSEUM DRIVE OAK LAWN, ILLINOIS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN DRK	REVISED -		0029	05-00167-01-TL	COOK	86	53				
Default	PLOT SCALE = 20'	CHECKED AJD	REVISED -		CONTRACT NO. 61F37								
Default	PLOT DATE = 4/8/2019	DATE 4/8/2019	REVISED -		ILLINOIS FED. AID PROJECT								
				SCALE: 1"=20'	SHEET 53	OF 86 SHEETS	STA. -	TO STA. -					

— UD —

UD

D1-1

P1-CKT 1(7)
STA. 100+00
4.0' FOC

STATION

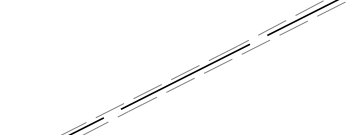
SETBACK FROM FACE OF CURB (FOC) TO
CENTER OF POLE

1. CONTRACTOR SHALL CONNECT PROPOSED CONDUIT TO EXISTING CONDUIT WITH UL LISTED COUPLER.
2. CONTRACTOR SHALL INSTALL NEW SPAN OF WIRING FROM POLE TO POLE. WIRING SHALL BE SAME SIZE/TYPE/COLOR/QUANTITY AS EXISTING.

CONDUCTOR SCHEDULE	
ID	DESCRIPTION
①	PROPOSED XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT)
②	PROPOSED XLP TYPE USE 3/C #6, 1/C #8 GROUND
③	PROPOSED XLP TYPE USE 2/C #10, 1/C #10 GROUND
④	EXISTING XLP TYPE USE 3/C #6, 1/C #8 GROUND
⑤	PROPOSED XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT) PROPOSED XLP TYPE USE 1/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑥	EXISTING XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT) EXISTING XLP TYPE USE 1/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑦	EXISTING XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT) EXISTING XLP TYPE USE 2/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑧	PROPOSED XLP TYPE USE 4/C #6, 1/C #6 GROUND (LIGHT) PROPOSED XLP TYPE USE 2/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑨	EXISTING XLP TYPE USE 4/C #6, 1/C #6 GROUND (LIGHT) EXISTING XLP TYPE USE 2/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)

CONDUIT SCHEDULE	
ID	DESCRIPTION
A	PROPOSED 1" SCH 40 HDPE CONDUIT
B	1" SCH 40 HDPE CONDUIT (SEE NOTES)
C	EXISTING 1" SCH 40 HDPE CONDUIT
D	PROPOSED RGS TRAFFIC CONDUIT
E	PROPOSED 2" SCH 40 HDPE CONDUIT
F	2" SCH 40 HDPE CONDUIT (SEE NOTES)
G	EXISTING 2" SCH 40 HDPE CONDUIT

95TH STREET

The logo for the Norfolk Southern Railroad, featuring the text "NORFOLK SOUTHERN RAILROAD" in a bold, sans-serif font, slanted upwards from left to right. The text is black and set against a white background with faint, light gray lines that suggest a grid or a map.

CHILDREN'S MUSEUM

STARBUCKS

OAK LAWN METRA

MUSEUM DRIVE

**TULLEY
AVENUE**

EX CKT
SEE REC
DRAWING

EXISTING COMPOSITE
CONCRETE HANDHOLE,
TYP.

PARKING GARAGE

EXISTING
ROW, TYP.

EX CKT 9,11(5)
SEE RECORD
DRAWINGS

51ST AVENUE

MATCH LINE STA. 10+50

20 0 20

SCALE IN FEET

 CHRISTOPHER B. BURKE 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60016 (647) 625-0500	DATE	BY	PLAN SURVEYED PLOTTED ALIGNED CHECKED NOTE BOOK FIT. OF WAY CHECKED CADD FILE NAME NO. _____
	DATE	BY	PROFILE SURVEYED PLOTTED GRADES CHECKED NOTE BOOK B.M. NOTED STRUCTURE NOTATIONS CHKD NO. _____
	DATE	BY	
	DATE	BY	
	DATE	BY	

FILE NAME =	USER NAME = wbioftus	DESIGNED DRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN (1 OF 3) 95TH STREET AND MUSEUM DRIVE OAK LAWN, ILLINOIS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Mech\LGT_160482_01.sht		DRAWN DRK	REVISED -		0029	05-00167-01-TL	COOK	86	54				
Default		CHECKED AJD	REVISED -		CONTRACT NO. 61F37								
Default		PLOT DATE = 4/8/2019	DATE 4/8/2019		REVISED -	SCALE: 1"= 20'	SHEET 54 OF 86 SHEETS	STA. -	TO STA. -	ILLINOIS FED. AID PROJECT			

 PROPOSED 140W LED COBRA HEAD TYPE LUMINAIRE MOUNTED AT 45 FT ON A STEEL COMBINATION 12 FT MAST ARM ASSEMBLY AND POLE

 PROPOSED 95W LED ORNAMENTAL TYPE LUMINAIRE MOUNTED AT 14 FT ON AN ALUMINUM LIGHT POLE

 RELOCATED 250W HPS COBRA HEAD TYPE LUMINAIRE MOUNTED ON A 3 1/2' DAVIT ARM POLE WITH TWIN 70W HPS GLOBE DECORATIVE TYPE LUMINAIRES MOUNTED AT 21 FT

 EXISTING 250W HPS COBRA HEAD TYPE LUMINAIRE MOUNTED ON A 3 1/2' DAVIT ARM POLE WITH TWIN 70W HPS GLOBE DECORATIVE TYPE LUMINAIRES MOUNTED AT 21 FT

 EXISTING TWIN 150W MH GLOBE DECORATIVE TYPE LUMINAIRE (PHILIPS LUMEC NEW WESTMINSTER) MOUNTED AT 20 FT ON A STEEL LIGHT POLE

 UD PROPOSED ELECTRICAL CABLE IN CONDUIT (SEE CONDUIT AND CONDUCTOR SCHEDULE)

 UD PROPOSED 2 1/2" RGS CONDUIT SLEEVE UNDER PAVEMENT

 PROPOSED RGS TRAFFIC CONDUIT

 E EXISTING CABLE IN CONDUIT

 EXISTING LIGHTING CONTROLLER

 EXISTING COMPOSITE CONCRETE HANDHOLE

D1-1 LIGHTING CONTROLLER "D" CIRCUIT IDENTIFIER - LIGHT POLE IDENTIFIER

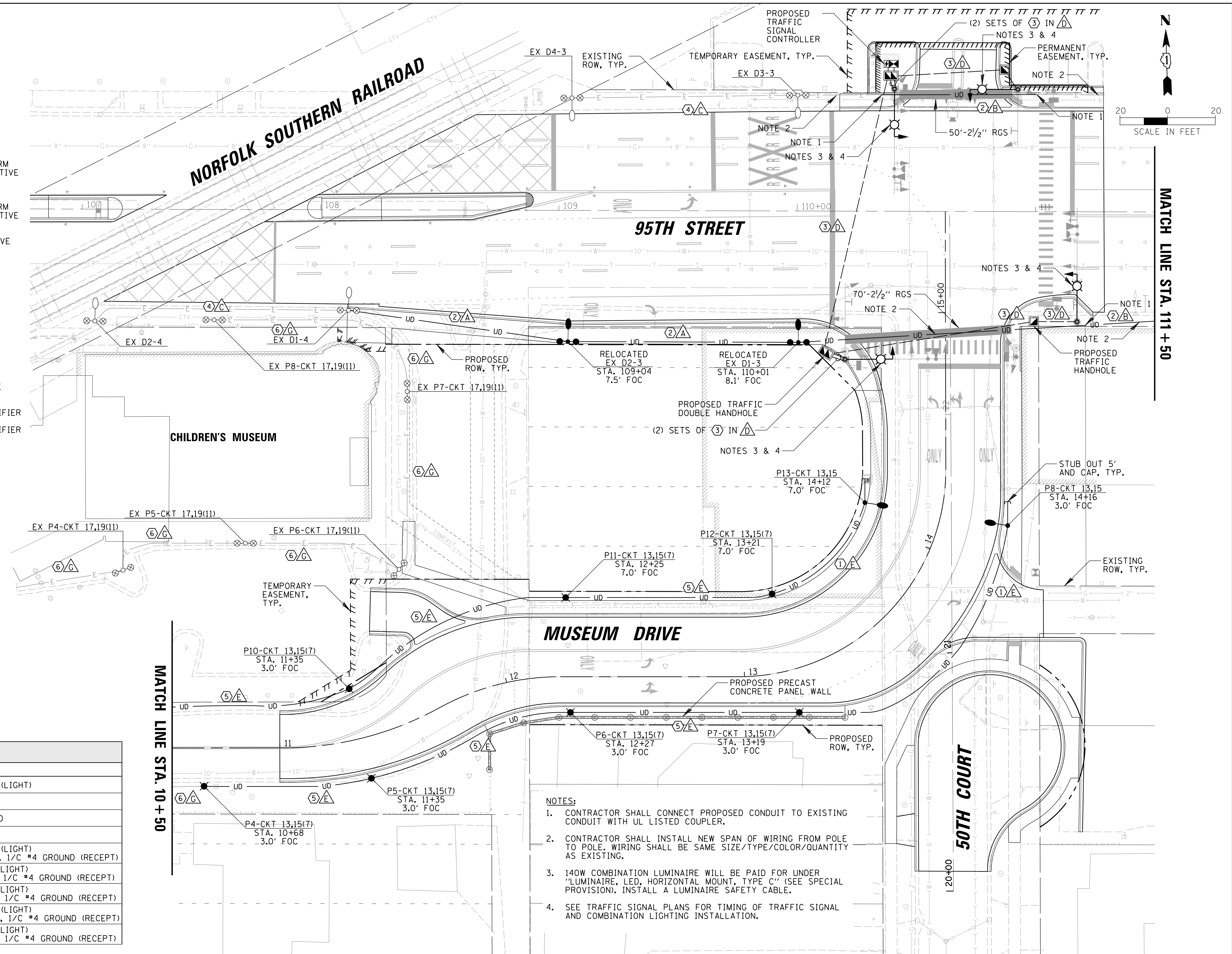
 P1-CKT 1(7) STA. 100+00 4.0' FOC LIGHT POLE IDENTIFIER - CIRCUIT IDENTIFIER (RECEPTACLE CIRCUIT IDENTIFIER)

 STATION

 SETBACK FROM FACE OF CURB (FOC) TO CENTER OF POLE

CONDUIT SCHEDULE	
ID	DESCRIPTION
	PROPOSED 1" SCH 40 HDPE CONDUIT
	1" SCH 40 HDPE CONDUIT (SEE NOTES)
	EXISTING 1" SCH 40 HDPE CONDUIT
	PROPOSED RGS TRAFFIC CONDUIT
	PROPOSED 2" SCH 40 HDPE CONDUIT
	2" SCH 40 HDPE CONDUIT (SEE NOTES)
	EXISTING 2" SCH 40 HDPE CONDUIT

CONDUCTOR SCHEDULE	
ID	DESCRIPTION
①	PROPOSED XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT)
②	PROPOSED XLP TYPE USE 3/C #6, 1/C #8 GROUND
③	PROPOSED XLP TYPE USE 2/C #10, 1/C #10 GROUND
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⑥	EXISTING XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT) EXISTING XLP TYPE USE 1/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑦	EXISTING XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT) EXISTING XLP TYPE USE 2/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑧	PROPOSED XLP TYPE USE 4/C #6, 1/C #6 GROUND (LIGHT) PROPOSED XLP TYPE USE 2/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑨	EXISTING XLP TYPE USE 4/C #6, 1/C #6 GROUND (LIGHT) EXISTING XLP TYPE USE 2/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)



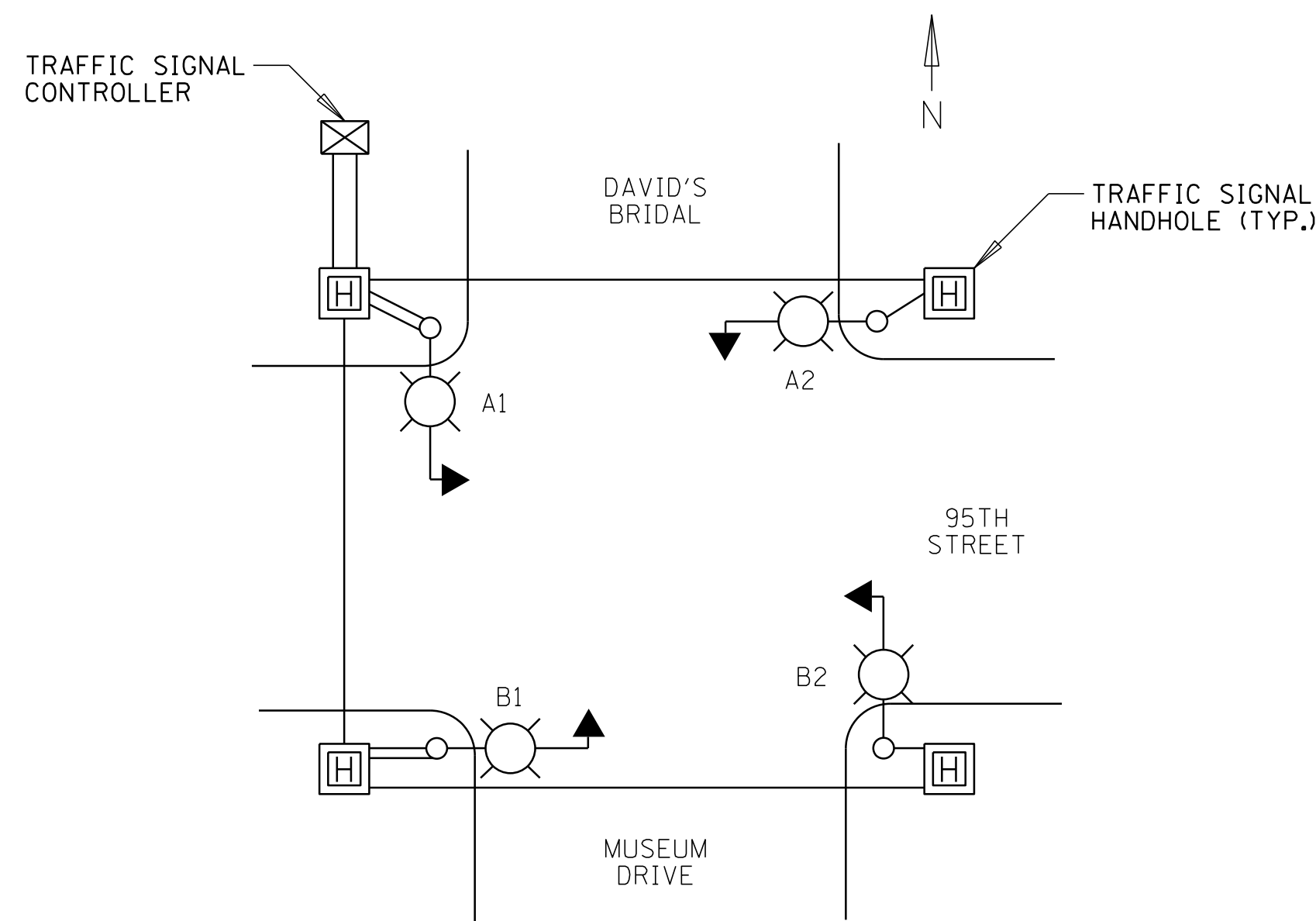
- NOTES:
1. CONTRACTOR SHALL CONNECT PROPOSED CONDUIT TO EXISTING CONDUIT WITH UL LISTED COUPLER.
 2. CONTRACTOR SHALL INSTALL NEW SPAN OF WIRING FROM POLE TO POLE. WIRING SHALL BE SAME SIZE/TYPE/COLOR/QUANTITY AS EXISTING.
 3. 140W COMBINATION LUMINAIRE WILL BE PAID FOR UNDER "LUMINAIRE, LED, HORIZONTAL MOUNT, TYPE C" (SEE SPECIAL PROVISION). INSTALL A LUMINAIRE SAFETY CABLE.
 4. SEE TRAFFIC SIGNAL PLANS FOR TIMING OF TRAFFIC SIGNAL AND COMBINATION LIGHTING INSTALLATION.

CONDUCTOR SCHEDULE	
ID	DESCRIPTION
①	PROPOSED XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT)
②	PROPOSED XLP TYPE USE 3/C #6, 1/C #8 GROUND
③	PROPOSED XLP TYPE USE 2/C #10, 1/C #10 GROUND
④	EXISTING XLP TYPE USE 3/C #6, 1/C #8 GROUND
⑤	PROPOSED XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT) PROPOSED XLP TYPE USE 1/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑥	EXISTING XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT) EXISTING XLP TYPE USE 1/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑦	EXISTING XLP TYPE USE 2/C #6, 1/C #6 GROUND (LIGHT) EXISTING XLP TYPE USE 2/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑧	PROPOSED XLP TYPE USE 4/C #6, 1/C #6 GROUND (LIGHT) PROPOSED XLP TYPE USE 2/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)
⑨	EXISTING XLP TYPE USE 4/C #6, 1/C #6 GROUND (LIGHT) EXISTING XLP TYPE USE 2/C #4, 1/C #4 NEUTRAL, 1/C #4 GROUND (RECEPT)

CONDUIT SCHEDULE	
ID	DESCRIPTION
A	PROPOSED 1" SCH 40 HDPE CONDUIT
B	1" SCH 40 HDPE CONDUIT (SEE NOTES)
C	EXISTING 1" SCH 40 HDPE CONDUIT
D	PROPOSED RGS TRAFFIC CONDUIT
E	PROPOSED 2" SCH 40 HDPE CONDUIT
F	2" SCH 40 HDPE CONDUIT (SEE NOTES)
G	EXISTING 2" SCH 40 HDPE CONDUIT

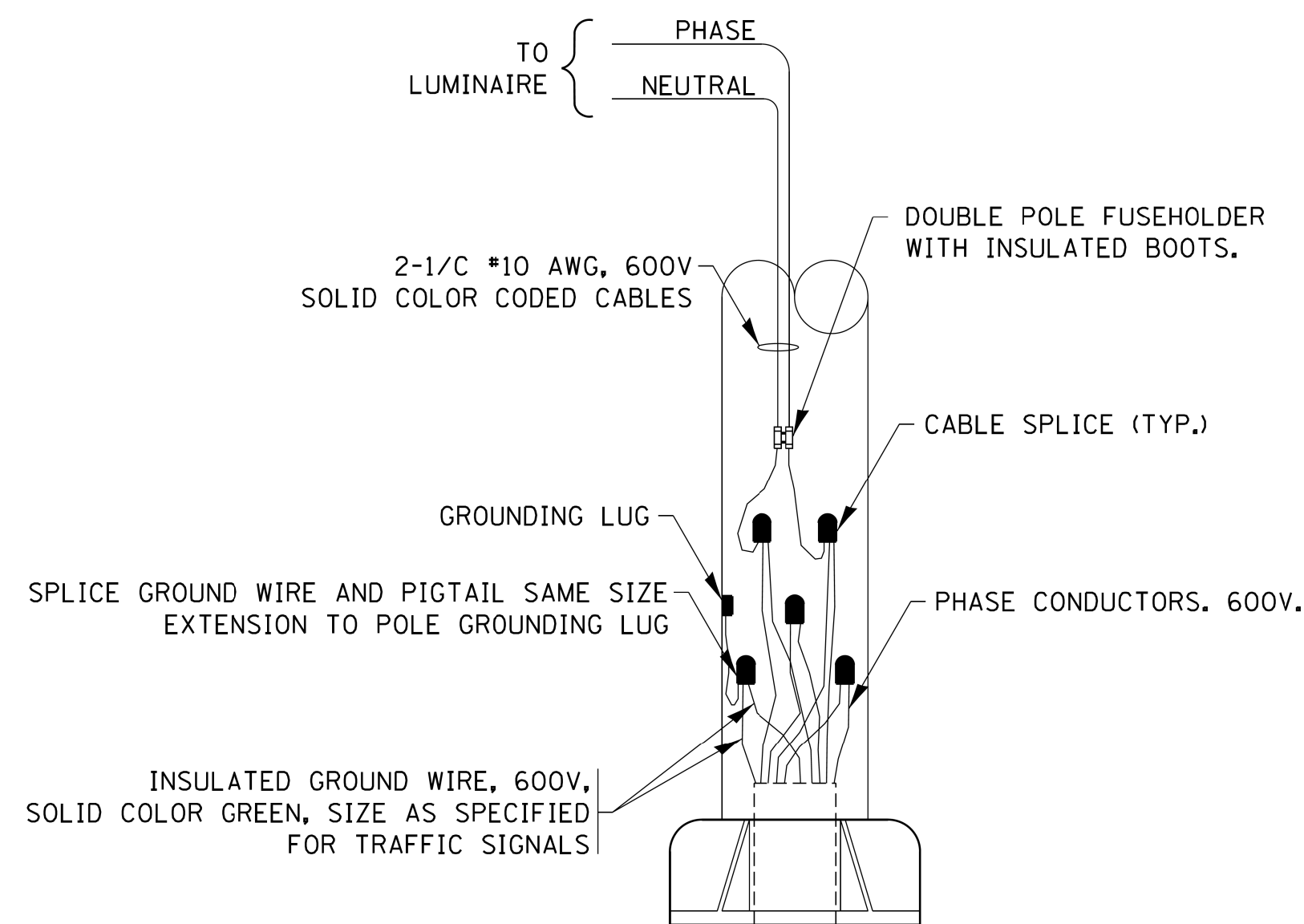
- NOTES:
- CONTRACTOR SHALL CONNECT PROPOSED CONDUIT TO EXISTING CONDUIT WITH UL LISTED COUPLER.
 - CONTRACTOR SHALL INSTALL NEW SPAN OF WIRING FROM POLE TO POLE. WIRING SHALL BE SAME SIZE/TYPE/COLOR/QUANTITY AS EXISTING.

PROFILE GRADES CHECKED _____ NOTE BOOK _____ B.M. NOTED _____ STRUCTURE NOTATIONS CHKD _____ NO. _____	BY	DATE	 CHRISTOPHER B. BURKE 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	ENGINEERING LTD.	PLAN _____	SURVEYED _____	BY	DATE		

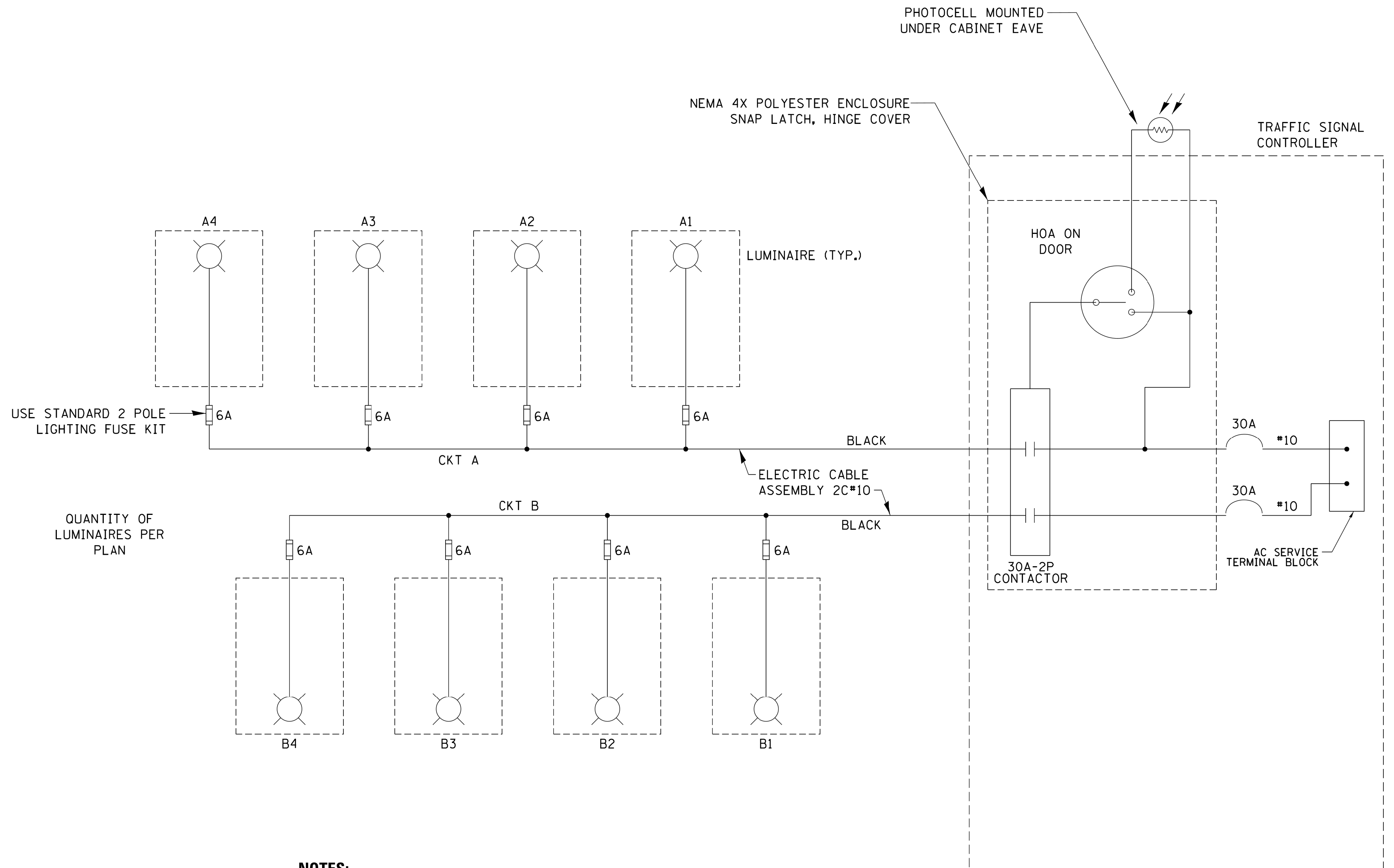


TYPICAL LIGHTING CIRCUIT

(NOT TO SCALE)



COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)



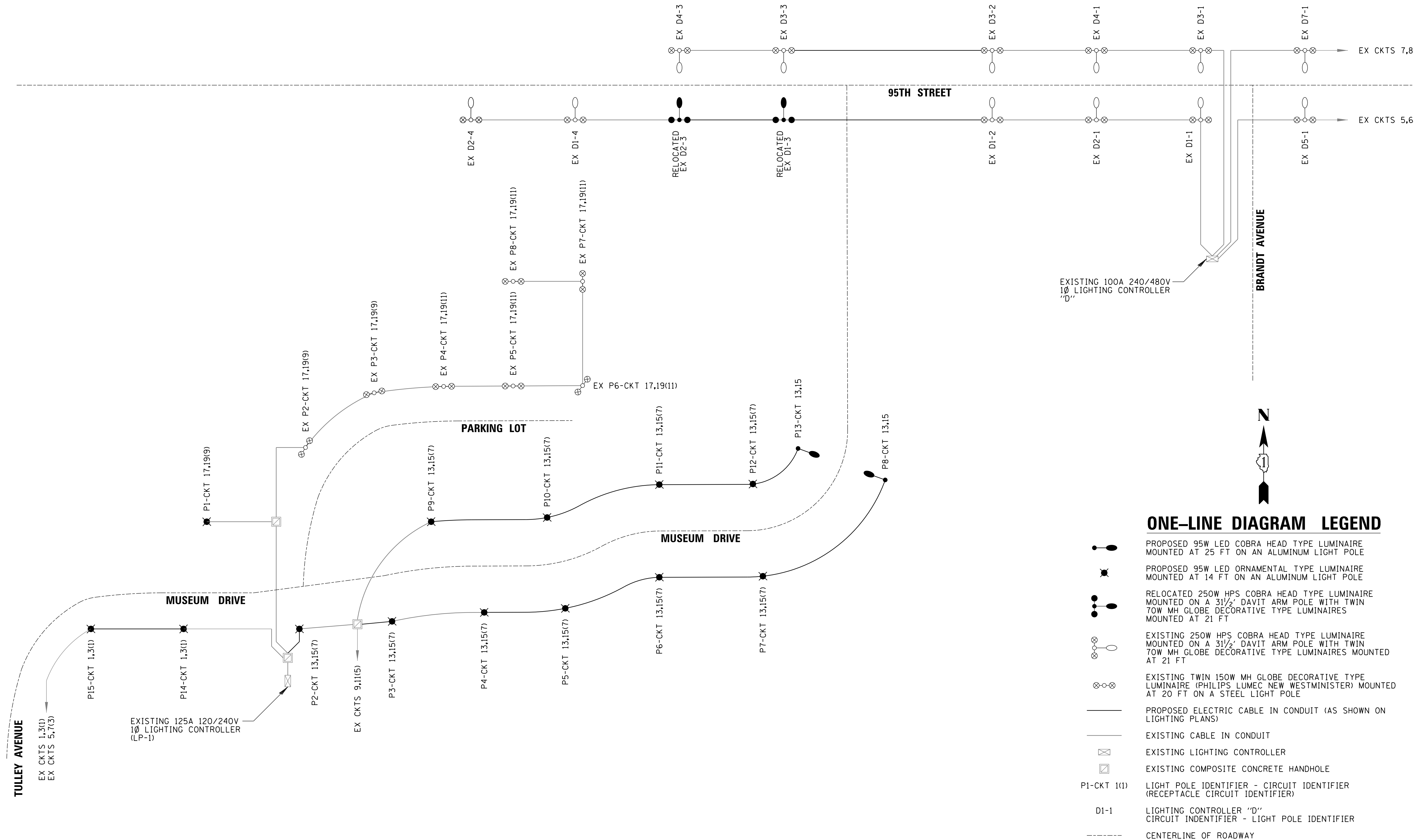
NOTES:

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. MULTI-CONDUCTOR CABLE ASSEMBLY FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. ALL CONTROLLERS TO HAVE TWO FUSED LIGHTING BRANCH CIRCUITS.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
8. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
10. LUMINAIRE VOLTAGE SHALL BE 120V

IDOT STANDARD BE-240

FILE NAME =	USER NAME = wbioftus	DESIGNED DRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING DETAILS (1 OF 6) 95TH STREET AND MUSEUM DRIVE OAK LAWN, ILLINOIS					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\60482\Mech\LD1.160482.01.sht		DRAWN DRK	REVISED -							0029	05-00167-01-TL	COOK	86	57
Default	PLOT SCALE = 20'	CHECKED AJD	REVISED -							CONTRACT NO. 61F37				
Default	PLOT DATE = 4/8/2019	DATE 4/8/2019	REVISED -			SCALE: N.T.S.	SHEET 57	OF 86 SHEETS	STA. -	TO STA. -				
					ILLINOIS FED. AID PROJECT									

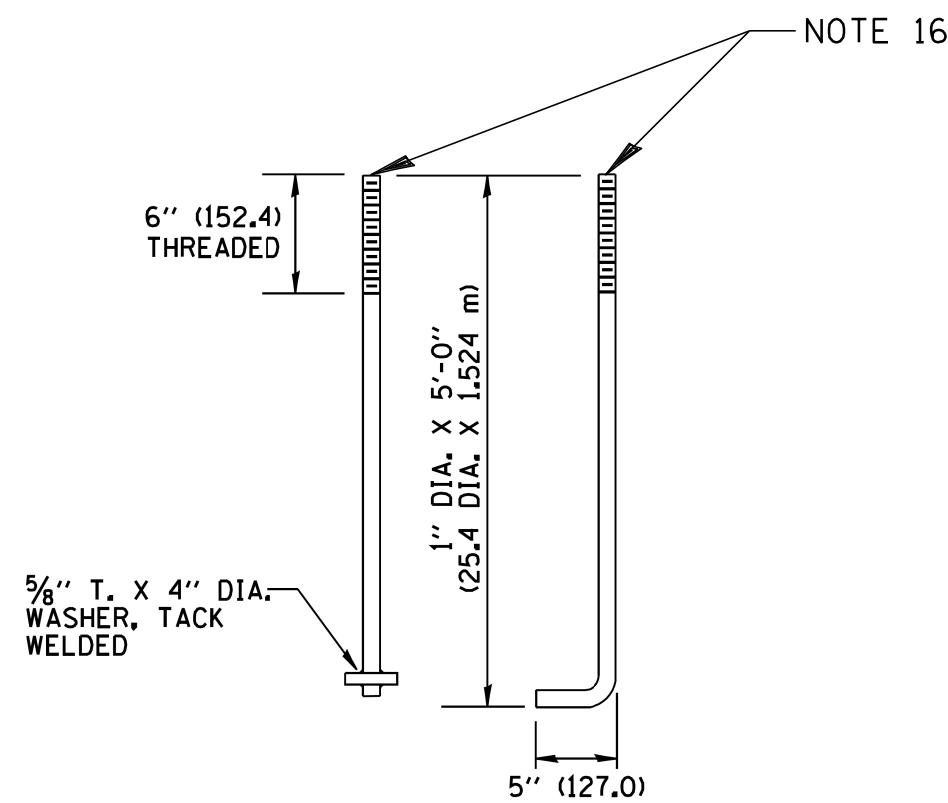
BY	DATE	 CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	SURVEYED PLOTTED GRADES CHECKED NOTE BOOK B.M. NOTED STRUCTURE NOTATIONS CHKD NO. _____	PLAN ALIGNMENT NOTE BOOK PRT. OF WAY CHECKED CAUD FILE NAME NO. _____	BY	DATE



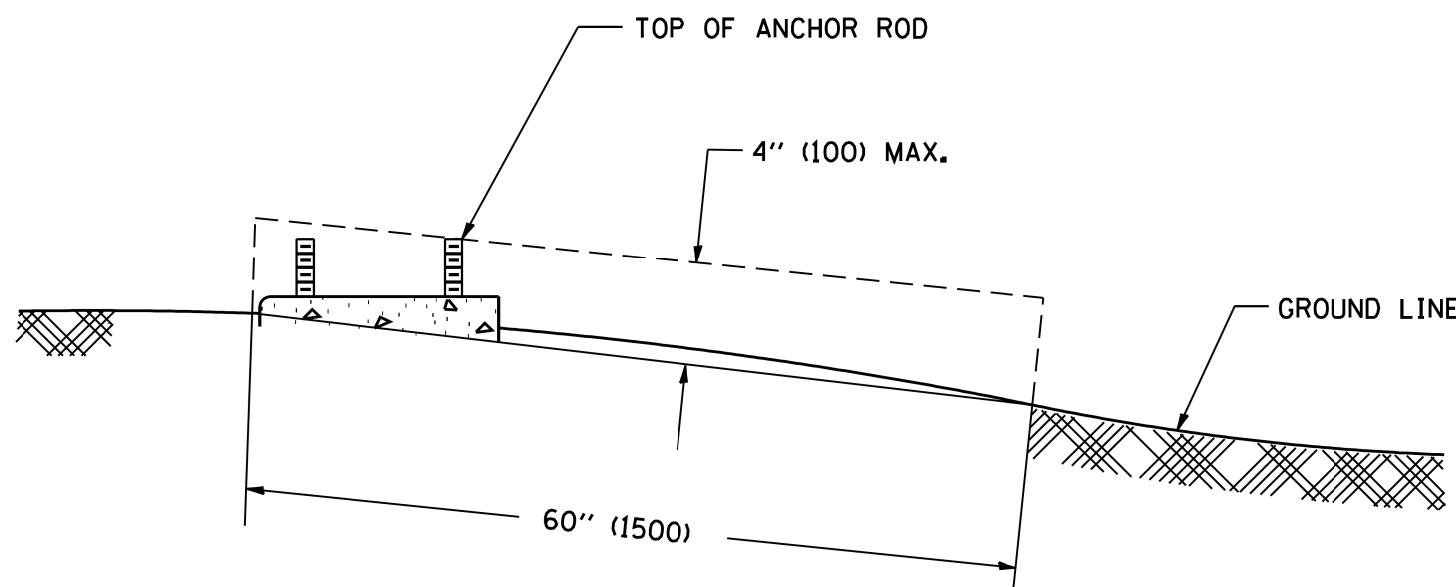
FILE NAME =	USER NAME = wbiofus	DESIGNED DRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING DETAILS (2 OF 6)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Mech\LD\T-160482-02.sht		DRAWN DRK	REVISED -		95TH STREET AND MUSEUM DRIVE				0029	05-00167-01-TL	C00K	86	58
	PLOT SCALE = 20'	CHECKED AJD	REVISED -		OAK LAWN, ILLINOIS				CONTRACT NO. 61F37				
Default	PLOT DATE = 4/8/2019	DATE 4/8/2019	REVISED -		SCALE: N.T.S. SHEET 58 OF 86 SHEETS STA. - TO STA. -				ILLINOIS FED. AID PROJECT				
Default													

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

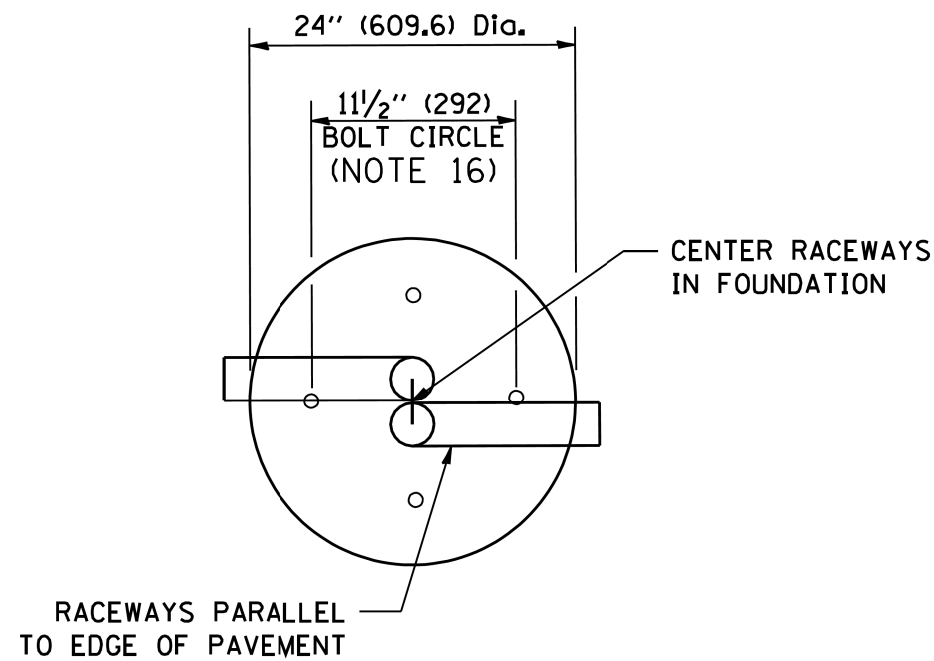
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY $Q_u = 0.375 \text{ TON/SQ. FT.}$	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY $Q_u = 0.75 \text{ TON/SQ.FT}$	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY $Q_u = 1.50 \text{ TON/SQ. FT.}$	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND $\phi = 34^\circ$	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND $\phi = 37.5^\circ$	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND $\phi = 40^\circ$	8'-3" (2.51 m)	9'-7" (2.91 m)



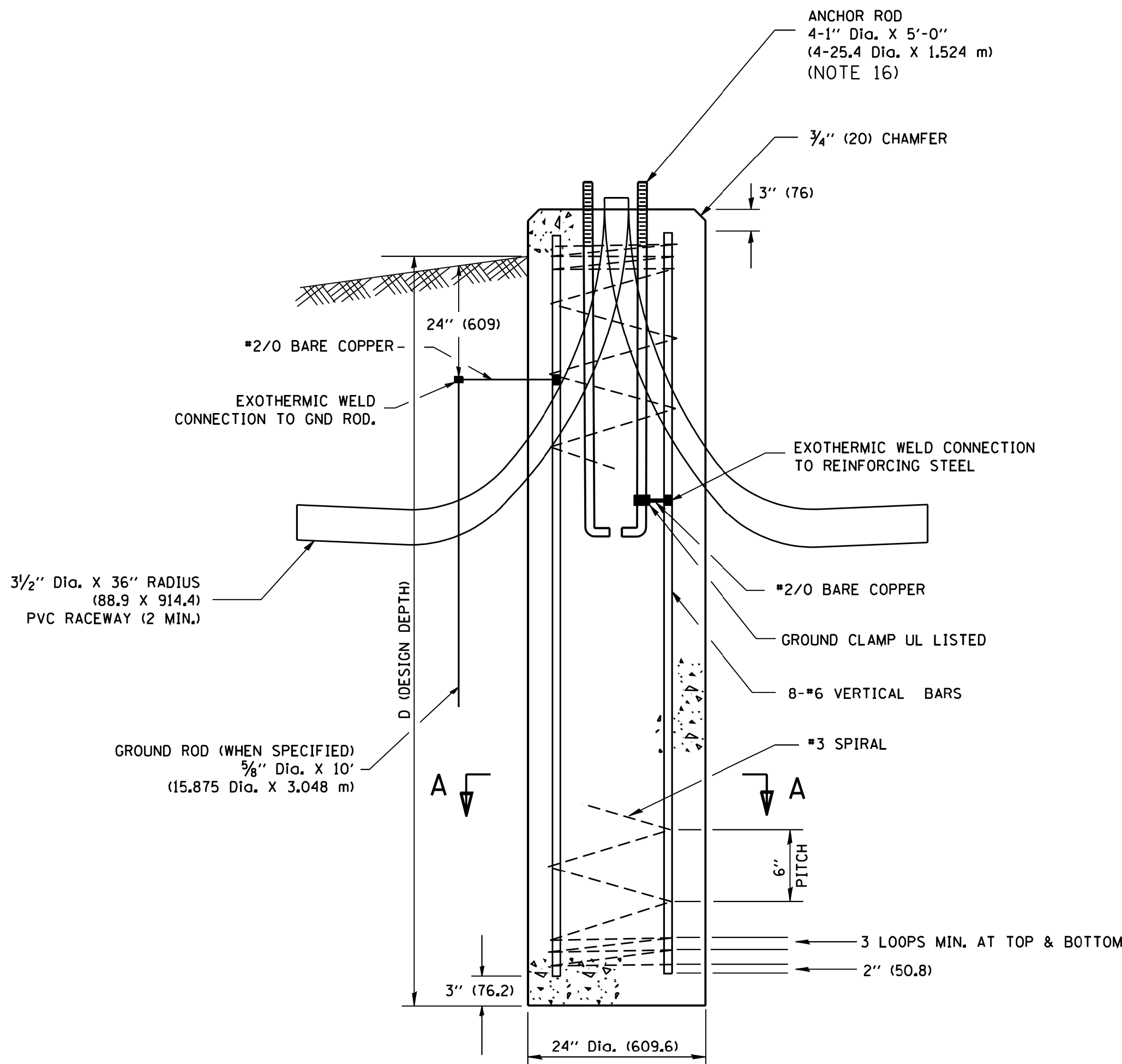
ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL

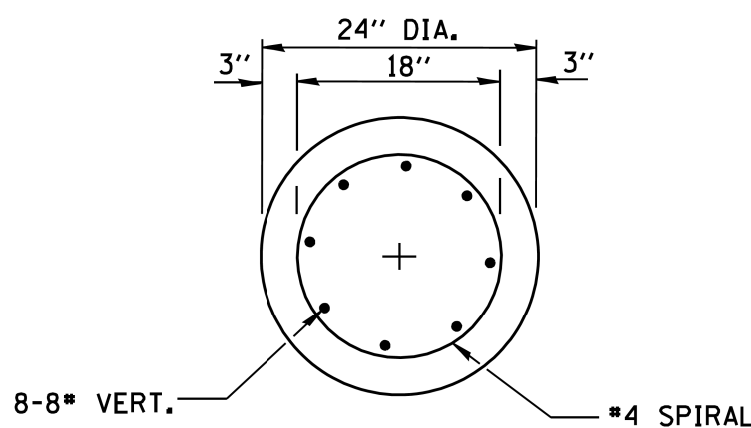


TOP VIEW



FOUNDATION DETAIL

USE FOR EX D1-3, EX D2-3, P8, P13



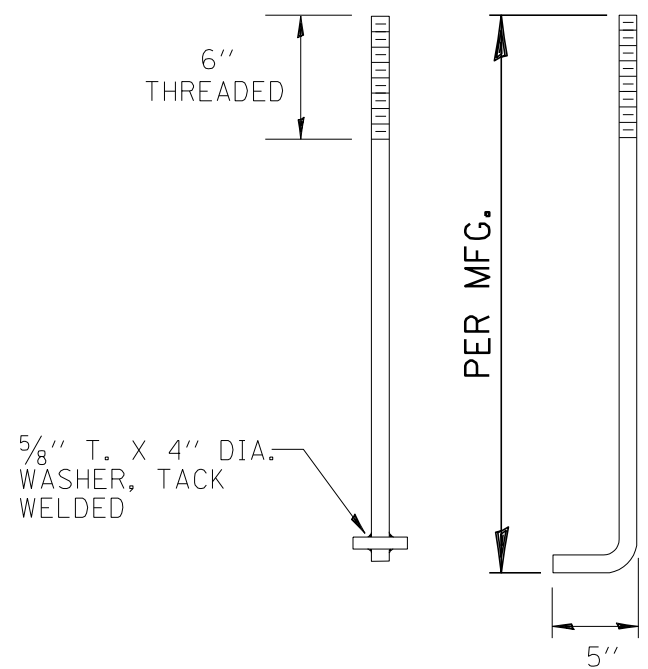
SECTION A-A

NOTES

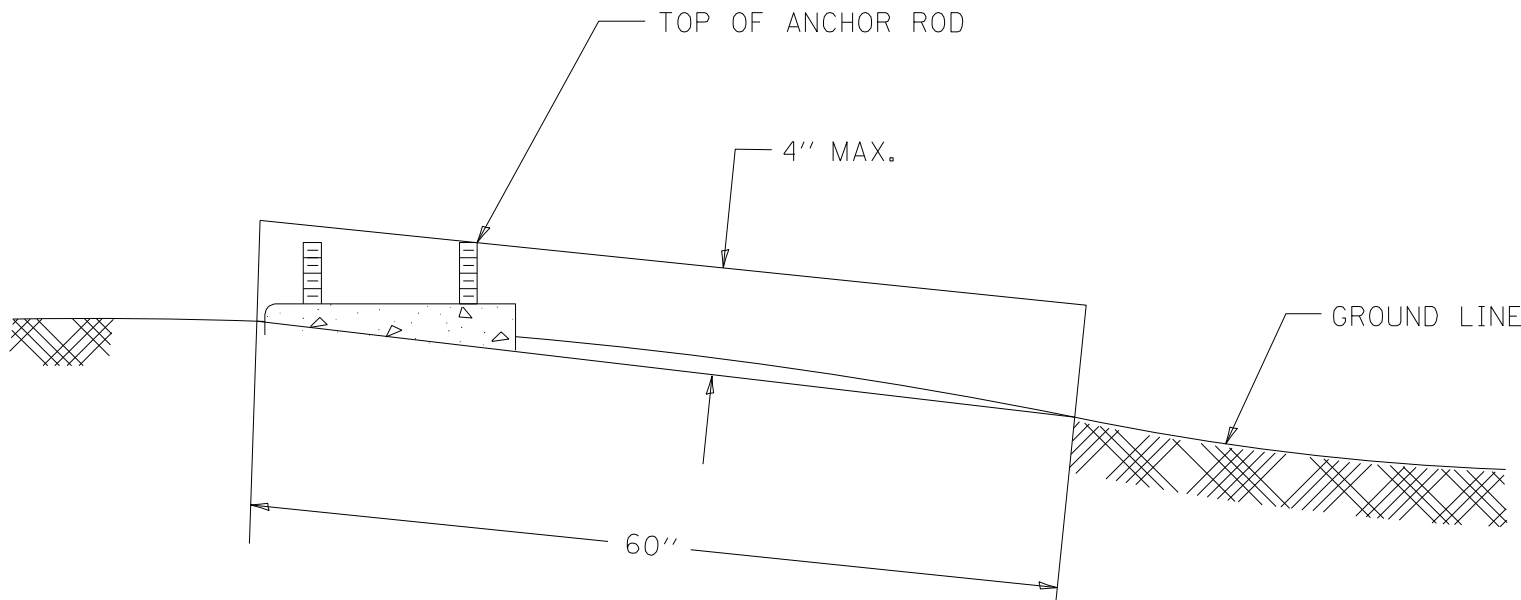
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED $\frac{3}{4}$ -IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT $2\frac{3}{4}$ " (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERRECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
15. PAID FOR UNDER "LIGHT POLE FOUNDATION, 24" DIAMETER"
16. CONTRACTOR SHALL VERIFY AND COORDINATE ANCHOR BOLT DIAMETER, BOLT CIRCLE AND BOLT PATTERN OF EXISTING AND PROPOSED LIGHT POLES.

LIGHT POLE FOUNDATION DEPTH TABLE
PEDESTRIAN LIGHT POLE - 14' MOUNTING HEIGHT

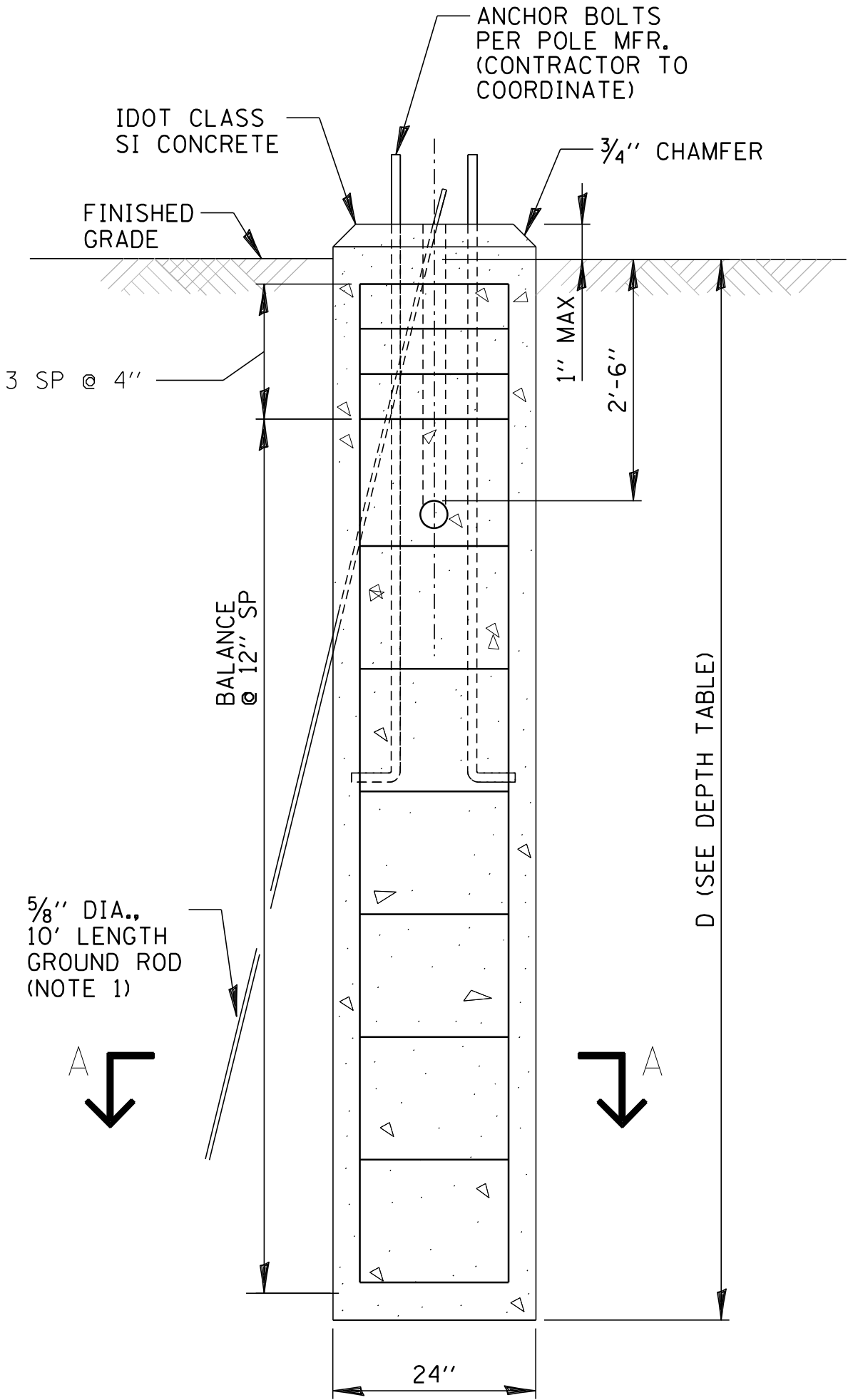
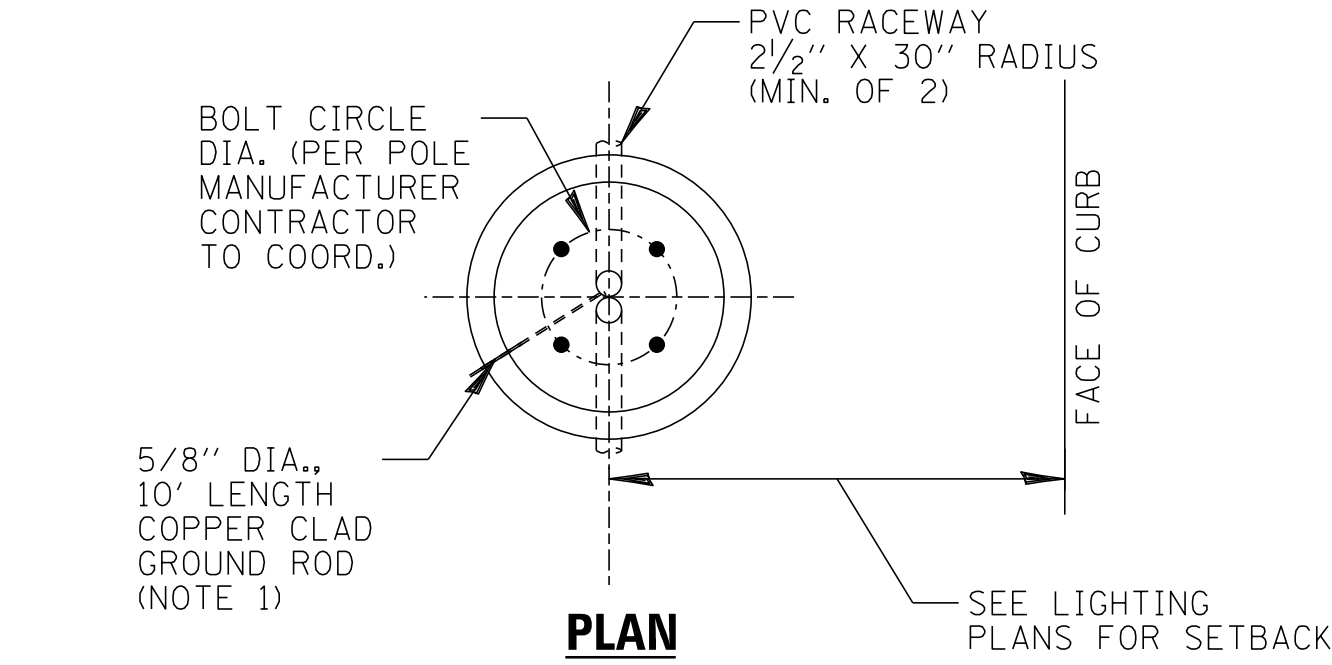
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION
SOFT CLAY Qu = 0.375 TON/SQ. FT.	6'-0"
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	6'-0"
STIFF CLAY Qu = 1.50 TON/SQ. FT.	6'-0"
LOOSE SAND Ø = 34°	6'-0"
MEDIUM SAND Ø = 37.5°	6'-0"
DENSE SAND Ø = 40°	6'-0"



ANCHOR BOLT DETAIL

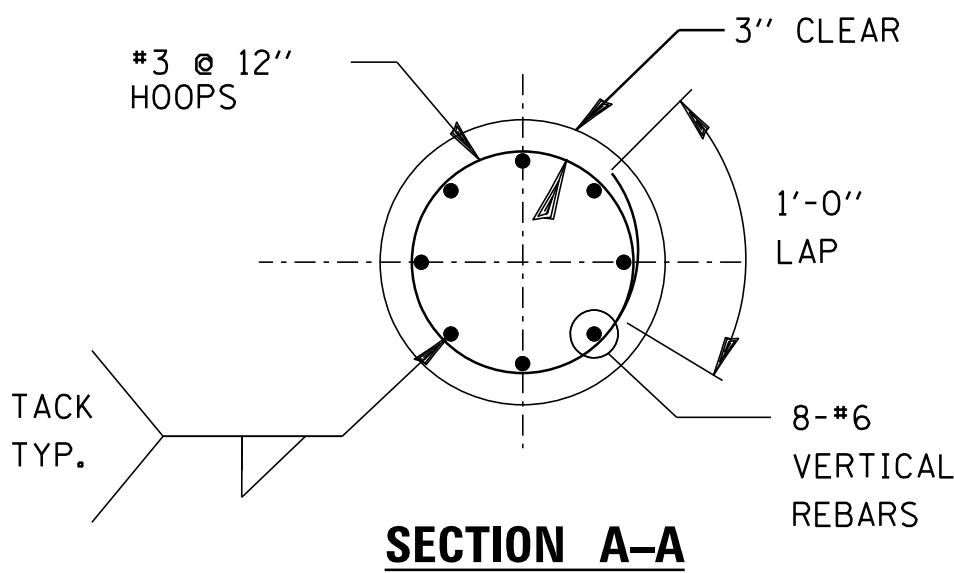


FOUNDATION EXTENSION DETAIL



FOUNDATION DETAIL

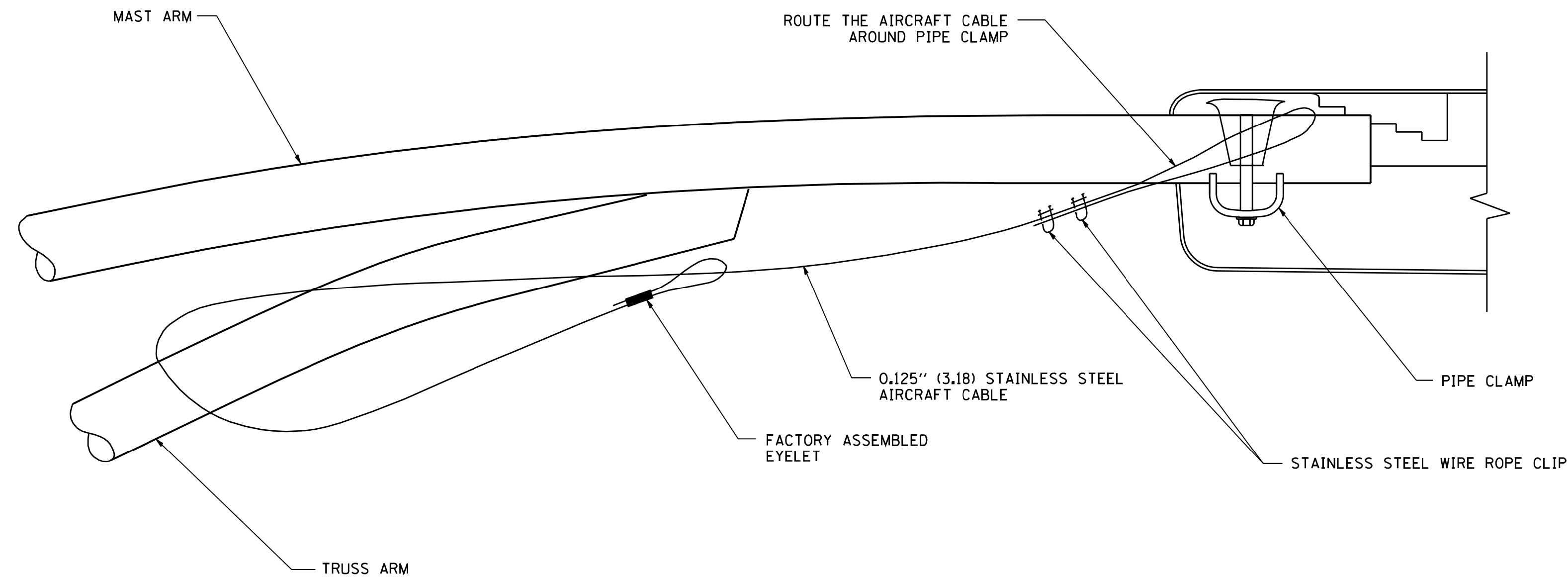
USE FOR P1-P7, P9-P12, P14, P15



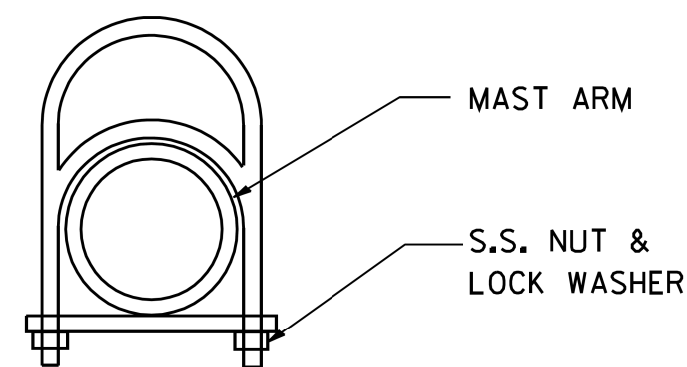
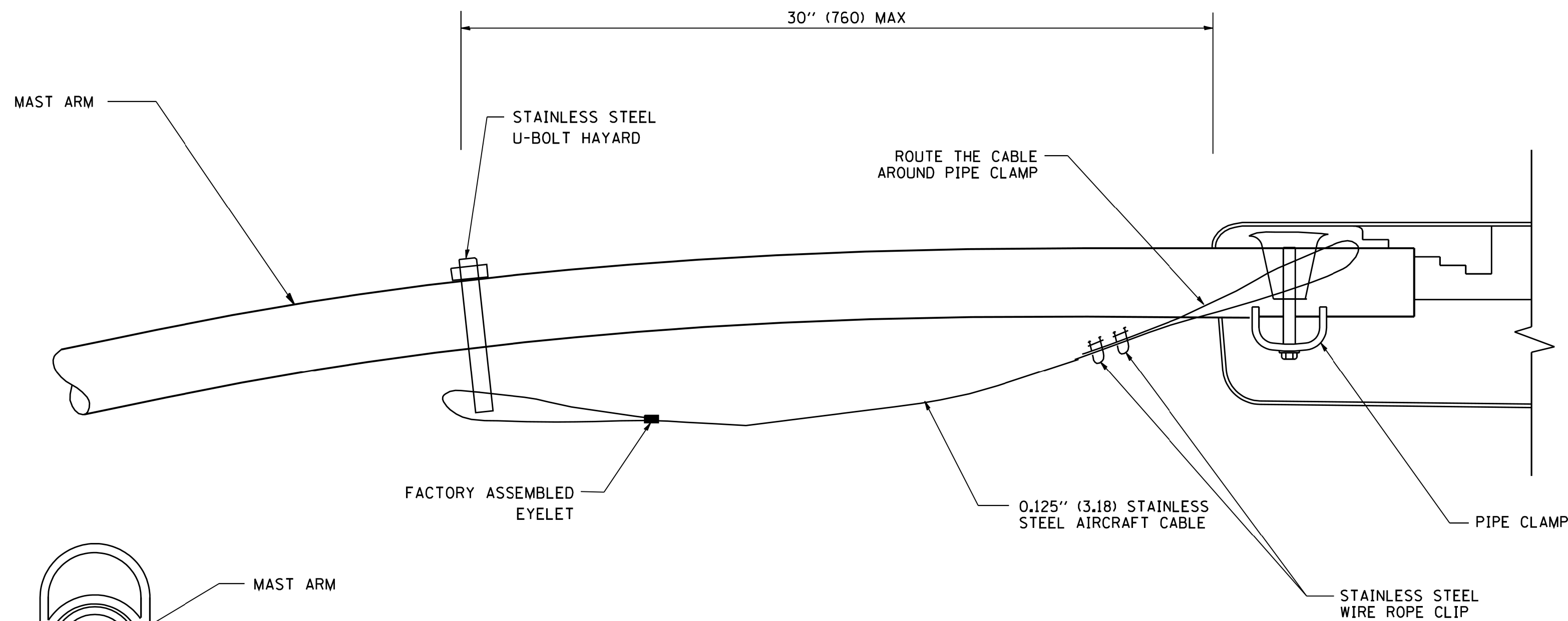
NOTES

- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. ABOVE THE FINISHED GRADE WITHIN A 60 IN. CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4".
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES WITH A MINIMUM OF 3 INCHES OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT NO MORE THAN 2 3/4" ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" PITCH OR MAY SUBSTITUTE #3 TIES AT 12" O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.
- GROUND ROD SHALL BE CAST INTO CONCRETE FOUNDATION WITH 8' IN CONTACT WITH SOIL.
- FOUNDATIONS SHALL BE VIBRATED IN ACCORDANCE WITH IDOT STANDARD PRACTICES.
- PAID FOR UNDER "LIGHT POLE FOUNDATION, SPECIAL" (SEE SPECIAL PROVISION)

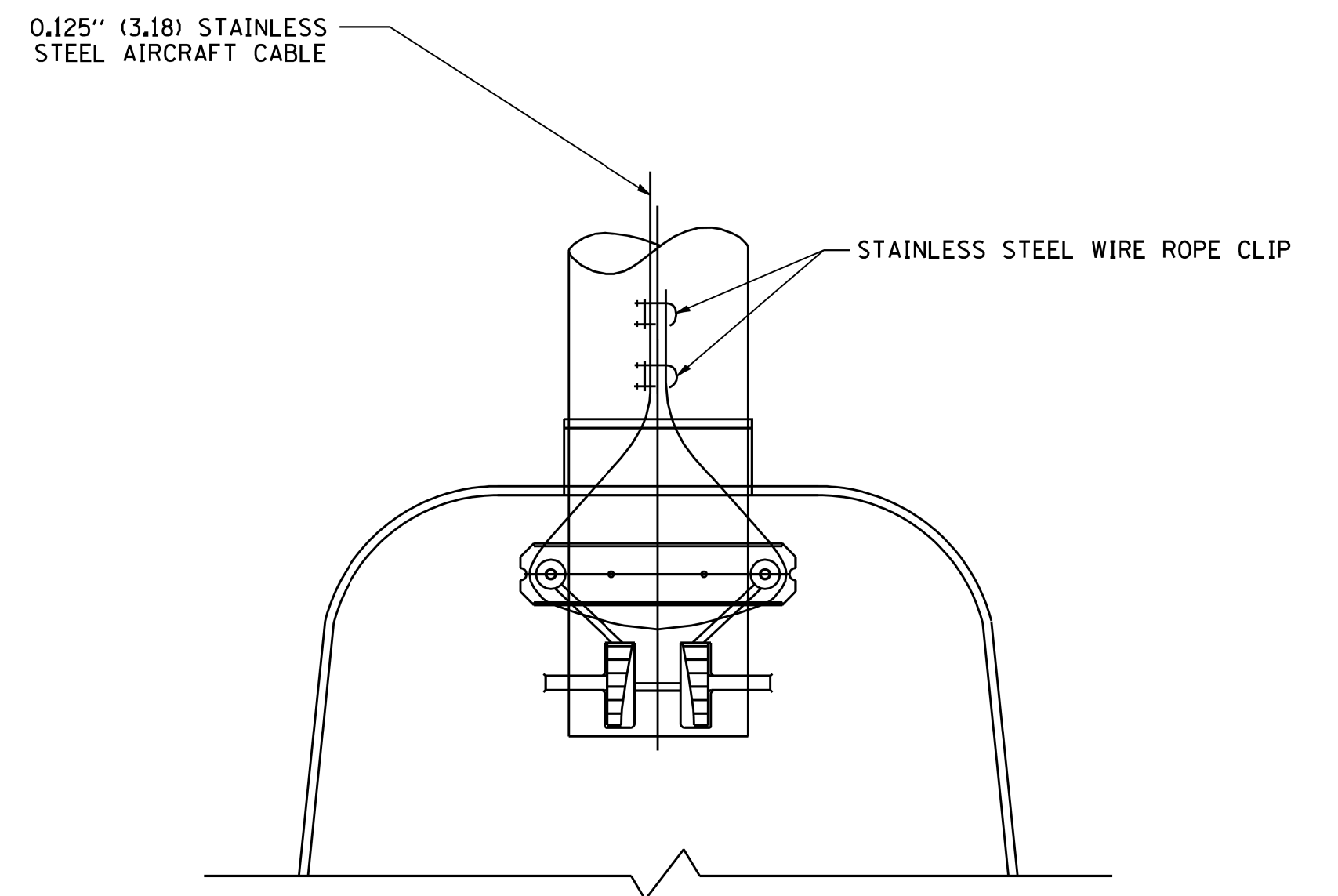
PROFILE GRADES CHECKED _____ NOTE BOOK _____ B.M. NOTED _____ STRUCTURE NOTATIONS CHKD _____ NO. _____	BY	DATE	 CHRISTOPHER B. BURKE 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	ENGINEERING LTD.	PLAN _____	SURVEYED _____	BY	DATE		



SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



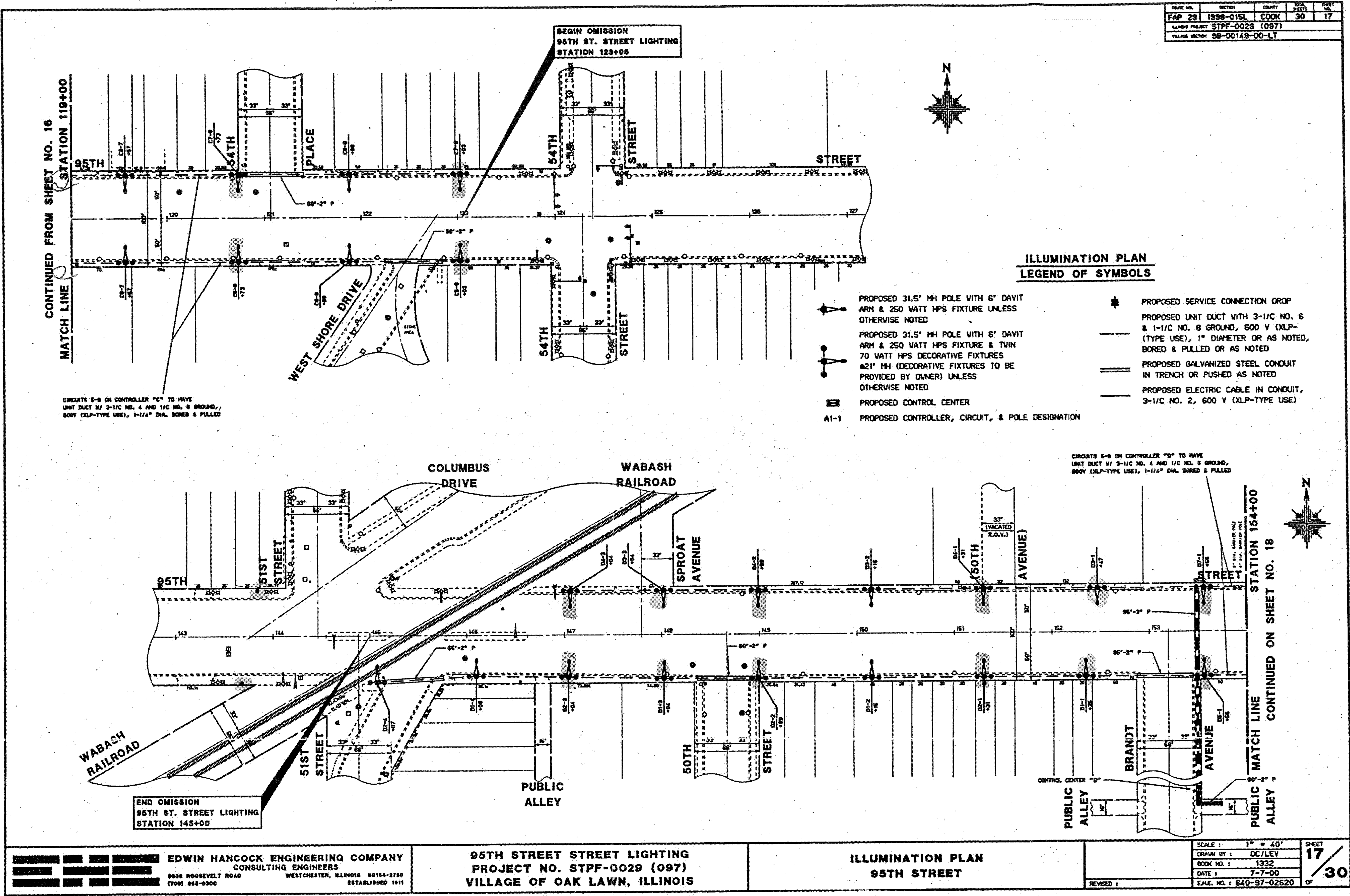
BOTTOM VIEW
N.T.S.

NOTES:

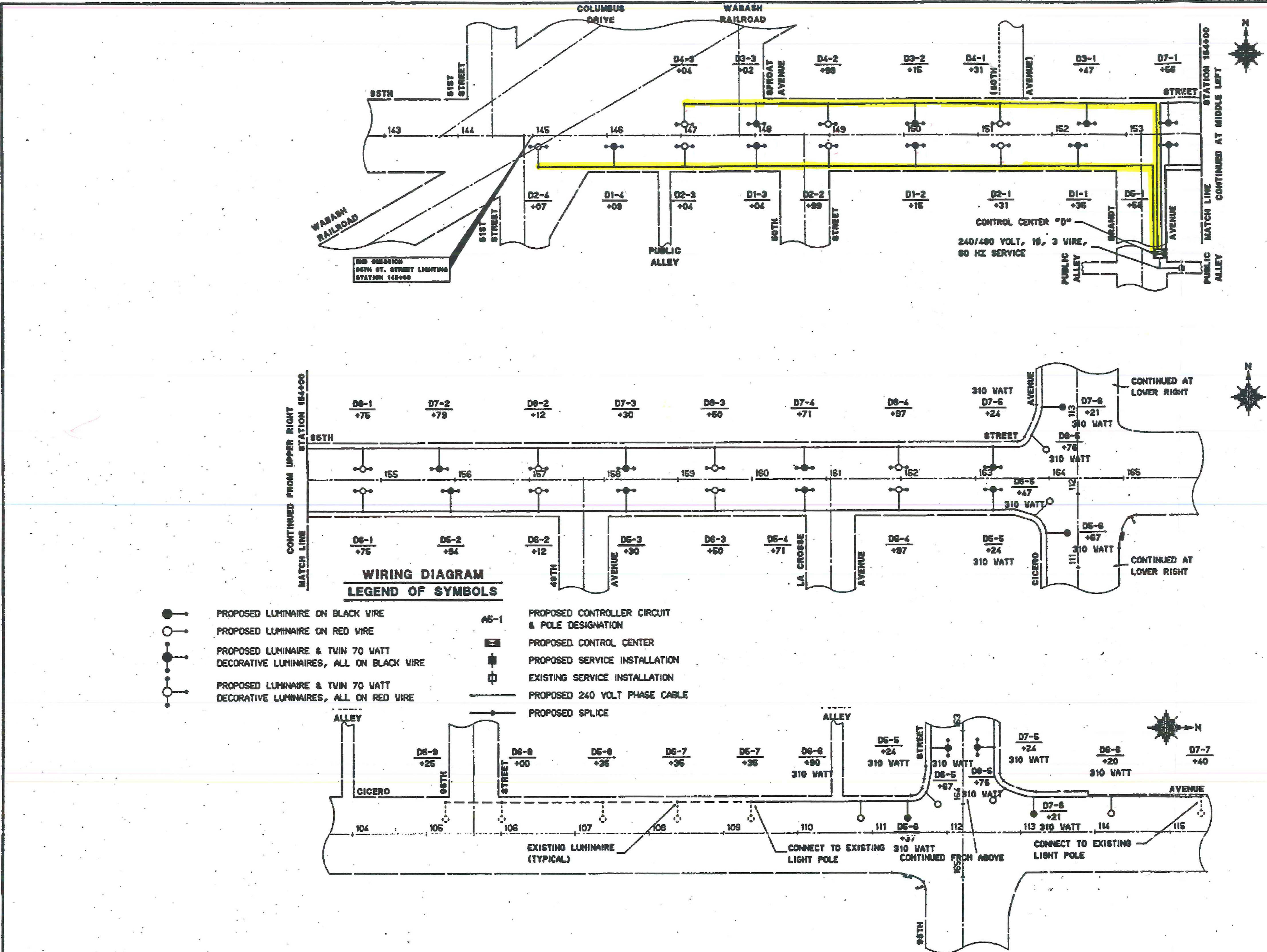
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

IDOT STANDARD BE-701

FILE NAME =	USER NAME = wbioftus	DESIGNED DRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING DETAILS (6 OF 6) 95TH STREET AND MUSEUM DRIVE OAK LAWN, ILLINOIS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Mech\LDT_160482_06.sht		DRAWN DRK	REVISED -						0029	05-00167-01-TL	COOK	86	62
Default	PLOT SCALE = 20'	CHECKED AJD	REVISED -		CONTRACT NO. 61F37								
Default	PLOT DATE = 4/8/2019	DATE 4/8/2019	REVISED -										
					SCALE: N.T.S.	SHEET 62 OF 86	SHEETS STA. -	TO STA. -		ILLINOIS	FED. AID PROJECT		



FOR INFORMATIONAL PURPOSES ONLY



ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET TOTAL
FAP 29	1998-015L	COOK	30	25
ILLINOIS PROJECT STPF-0029 (097)				
VILLAGE SECTION 98-00149-00-LT				

LOAD TABULATIONS FOR LIGHTING CONTROLLER "D"		
CIRCUIT	WATTS	AMPS
1	2,000	10.40
2	2,000	10.40
3	2,000	10.40
4	2,000	10.40
5	2,160	11.25
6	1,560	8.05
7	2,050	9.60
8	1,810	9.35

- NOTES :
- 1) ALL FIXTURES TO BE 250 WATT HPS UNLESS OTHERWISE NOTED
 - 2) ALL BALLASTS TO BE 240 VOLT

WIRING DIAGRAM
LEGEND OF SYMBOLS

- PROPOSED LUMINAIRE ON BLACK WIRE
- PROPOSED LUMINAIRE ON RED WIRE
- PROPOSED LUMINAIRE & TWIN 70 WATT DECORATIVE LUMINAIRES, ALL ON BLACK WIRE
- PROPOSED LUMINAIRE & TWIN 70 WATT DECORATIVE LUMINAIRES, ALL ON RED WIRE
- PROPOSED CONTROLLER CIRCUIT & POLE DESIGNATION
- PROPOSED CONTROL CENTER
- PROPOSED SERVICE INSTALLATION
- EXISTING SERVICE INSTALLATION
- PROPOSED 240 VOLT PHASE CABLE
- PROPOSED SPLICE

PROPOSED LUMINAIRE ON BLACK WIREPROPOSED LUMINAIRE ON RED WIREPROPOSED LUMINAIRE & TWIN 70 WATT DECORATIVE LUMINAIRES, ALL ON BLACK WIREPROPOSED LUMINAIRE & TWIN 70 WATT DECORATIVE LUMINAIRES, ALL ON RED WIREPROPOSED CONTROLLER CIRCUIT & POLE DESIGNATIONPROPOSED CONTROL CENTERPROPOSED SERVICE INSTALLATIONEXISTING SERVICE INSTALLATIONPROPOSED 240 VOLT PHASE CABLEPROPOSED SPLICE

EDWIN HANCOCK ENGINEERING COMPANY
CONSULTING ENGINEERS
9636 ROOSEVELT ROAD
(708) 966-0800

WESTCHESTER, ILLINOIS 60154-2700
ESTABLISHED 1911

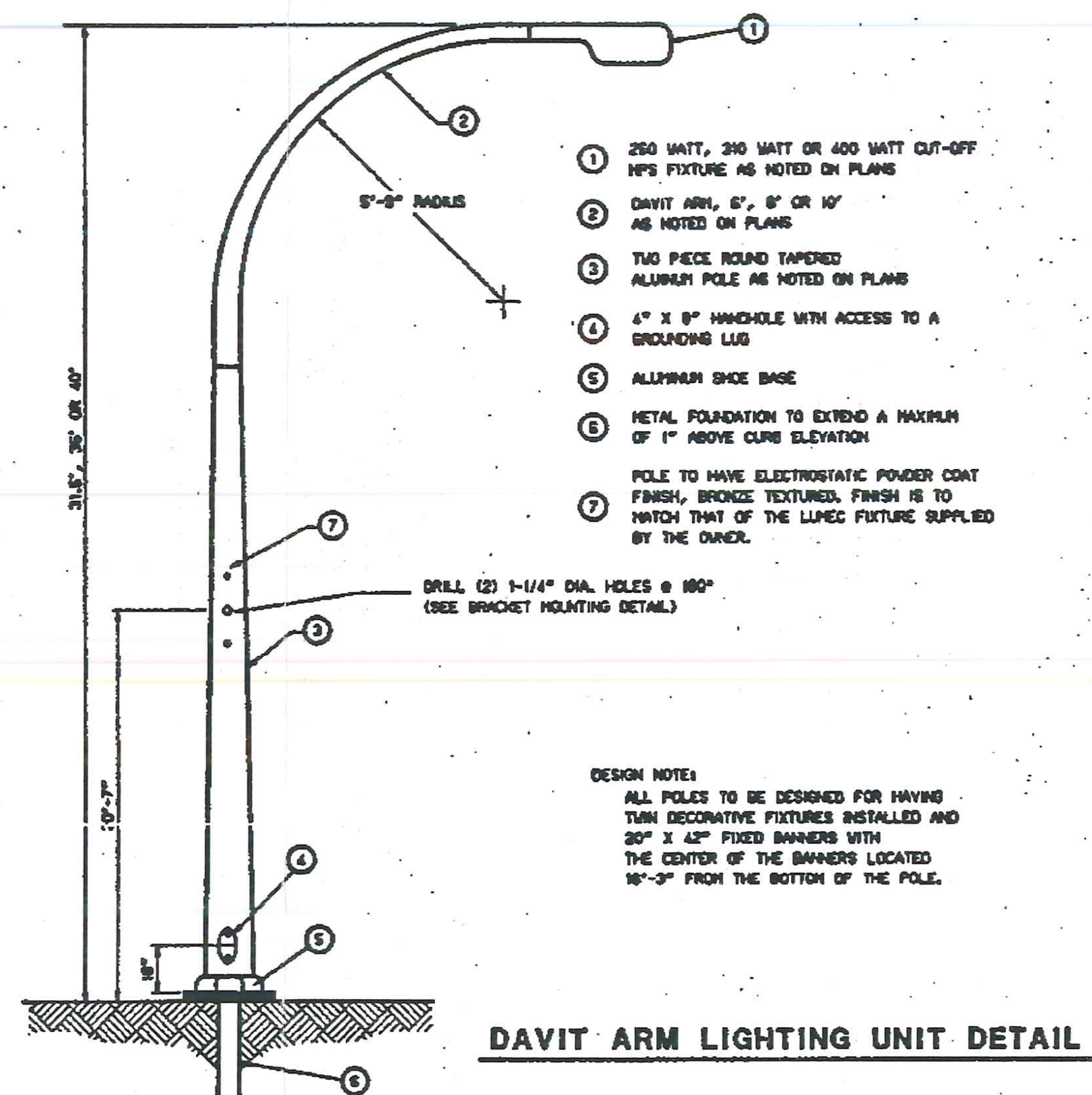
95TH STREET STREET LIGHTING
PROJECT NO. STPF-0029 (097)
VILLAGE OF OAK LAWN, ILLINOIS

ILLUMINATION WIRING DIAGRAM
CONTROL CENTER "D"

SCALE :
DRAWN BY : LEV
BOOK NO. :
DATE : 7-7-00
E.M.E. NO. : 640-97-02620

SHEET
25
30

FOR INFORMATIONAL PURPOSES ONLY



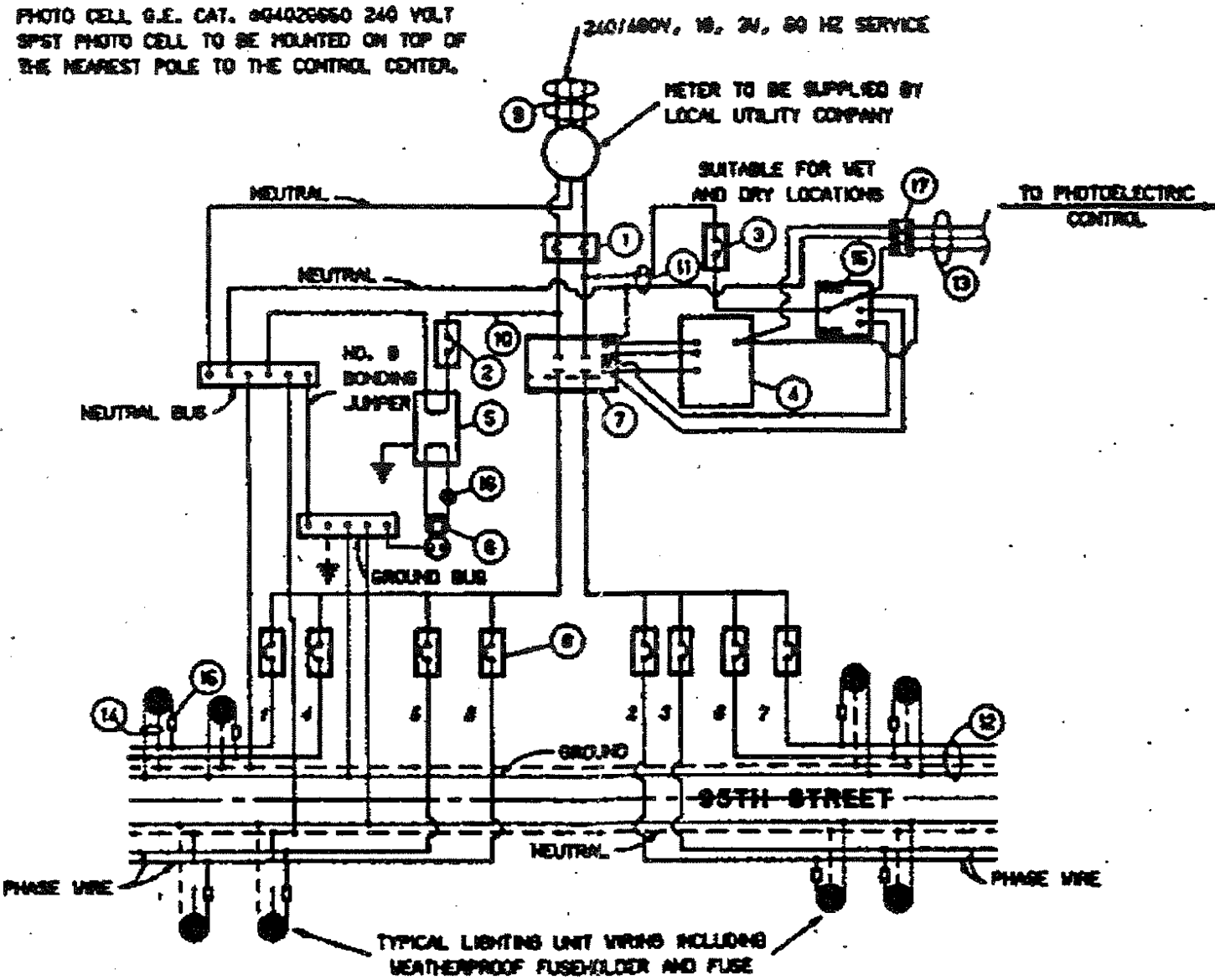
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	DRAWN BY :	
	BOOK NO. :	
	DATE :	
	E.M.E. NO. :	
REVISED :	E.M.E. NO. : 640-97-02620	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0029	05-00167-01-TL	COOK	86	65
		CONTRACT NO. 61F37		
		ILLINOIS FED. AID PROJECT		

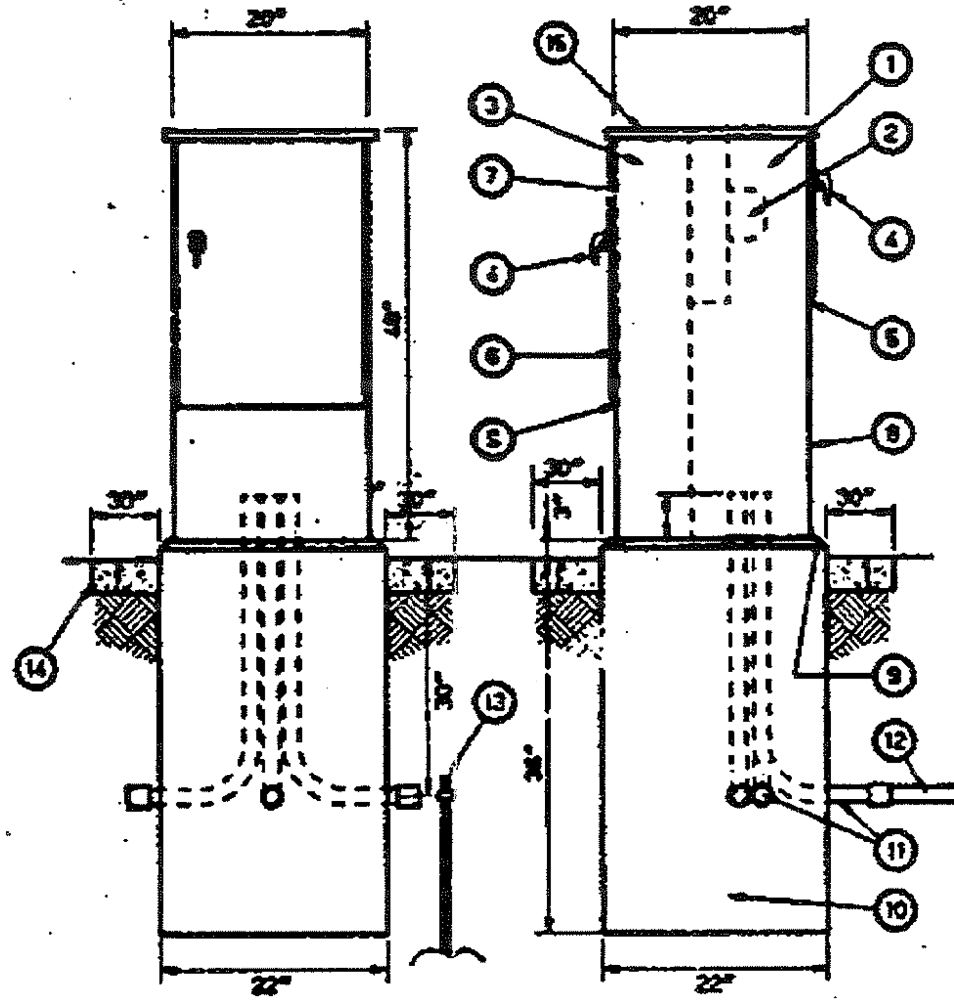
CONTROL CENTER COMPONENT SCHEDULE	
ITEM	SPECIFICATION OR EQUIV.
1 MAIN CIRCUIT BREAKER	100 AMPERE, 2 POLE, 480 VOLT RATING
2 LAMPHOLDER CIRCUIT BREAKER	15 AMPERE, 1 POLE, 240 VOLT RATING
3 PHOTOELECTRIC CIRCUIT BREAKER	15 AMPERE, 1 POLE, 240 VOLT RATING
4 AUXILIARY RELAY	240 VOLT SPST 60HZ COIL
5 DRY TYPE TRANSFORMER	5.5 KVA, 240/120 VOLT
6 LAMPHOLDER WITH OUTLET	PORCELAIN LAMPHOLDER WITH FULL CHAIN & LAMP, & GROUNDING OUTLET
7 REMOTE CONTROL SWITCH	100 AMPERE, 2 POLE, 480 VOLT RATING
8 BRANCH LINE CIRCUIT BREAKERS	20 AMPERE, 1 POLE, 240 VOLT RATING
9 SERVICE CABLES	3-600V DLP-TYPE UNB NO. 2
10 LAMPHOLDER WIRE	2-600V XLP NO. 12
11 CONTROL WIRE	2-600V XLP NO. 12
12 BRANCH LINE CABLES	3-600V XLP NO. 4 OR NO. 6 A 1-600V XLP NO. 8 GROUND IN 4 UNIT DUCT
13 PHOTOELECTRIC CONTROL WIRE	3-600V XLP NO. 10
14 LIGHTING POLE WIRE	2-600V XLP NO. 10 CABLES WITH POLE GROUND & FUSING
15 MAIN-AUTO-OFF CONTROL SWITCH	10 AMPERE, 3 POLE, 240 VOLT
16 FUSE	10 AMPERE
17 THREE POINT TERMINAL BLOCK	600 VOLT

ALL CIRCUIT BREAKERS SHALL HAVE AN INTERRUPT RATING OF 10,000 AMPS

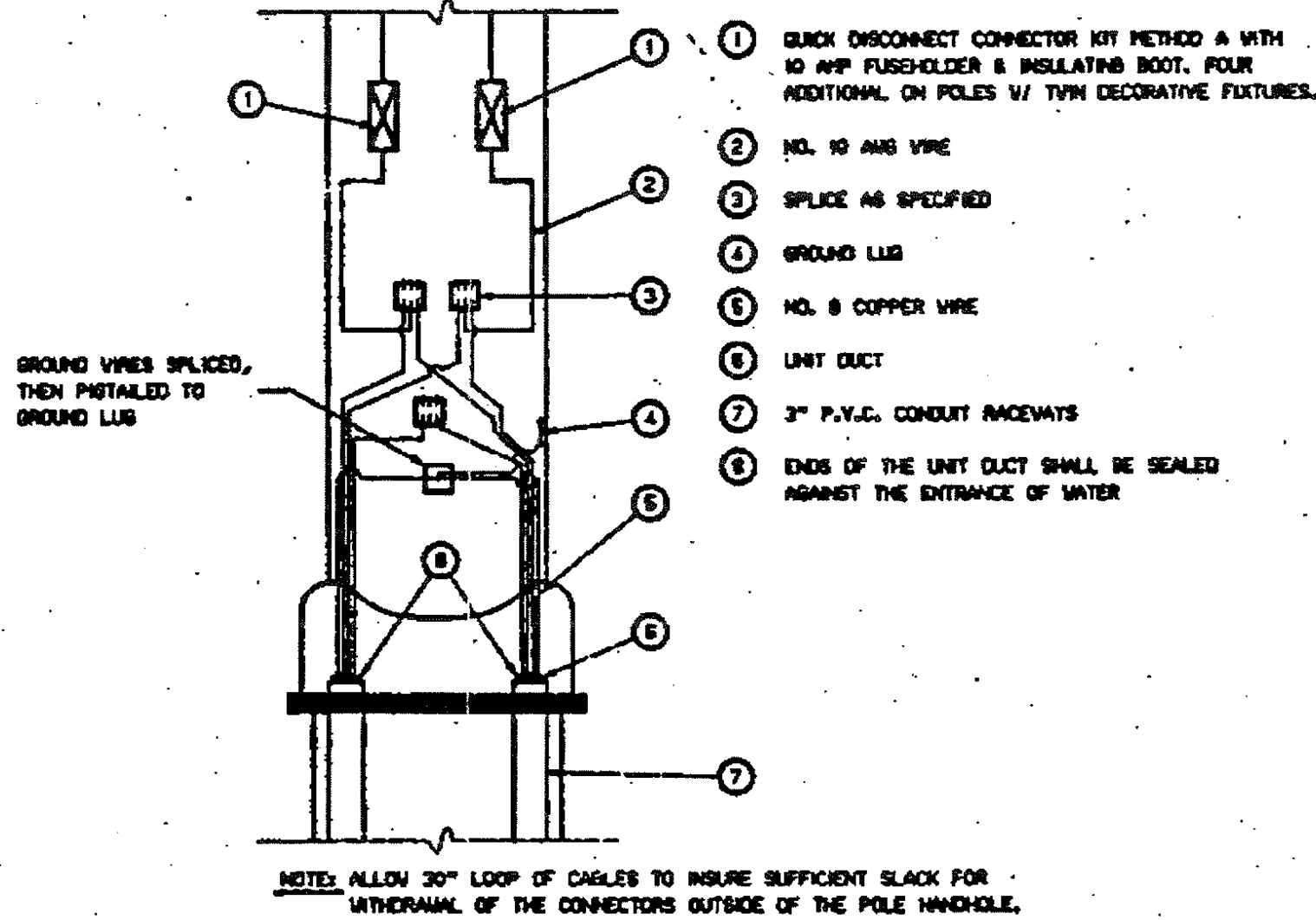
SERVICE CENTER CIRCUIT LOADINGS (AMPS)								
CONTROLLER	1	2	3	4	5	6	7	8
"A"	10.4	10.4	10.4	10.4	11.25	9.05	9.5	9.26
"B"	11.95	12.3	12.3	12.3	9.4	9.5	9.5	9.5
"C"	11.5	9.7	9.7	9.7	15.3	14	15.3	14
"D"	7.5	7.5	5.7	5.7	17.7	15.8	17.7	15.5
"E"	14.7	15.5	15.7	17.2	7.8	7.8	7.8	7.8
"F"	7.8	6.5	7.8	6.5	7.8	7.8	7.8	7.8



240/480 VOLT CONTROL CENTER WIRING DETAIL



CONTROL CENTER CABINET & FOUNDATION DETAIL



POLE HANDHOLE WIRING DIAGRAM

EDWIN HANCOCK ENGINEERING COMPANY
CONSULTING ENGINEERS
9533 ROOSEVELT ROAD
WESTCHESTER, ILLINOIS 60154-2799
(708) 865-9999

95TH STREET STREET LIGHTING
PROJECT NO. STPF-0029 (097)
VILLAGE OF OAK LAWN, ILLINOIS

ILLUMINATION DETAILS

SCALE: 1" = 1'-0"
DRAWN BY: LEV/CAD
BOOK NO.: 1
DATE: 7-7-00
E.C.E. NO.: 640-97-02620

SHEET
NO. 30
OF 30

FOR INFORMATIONAL PURPOSES ONLY

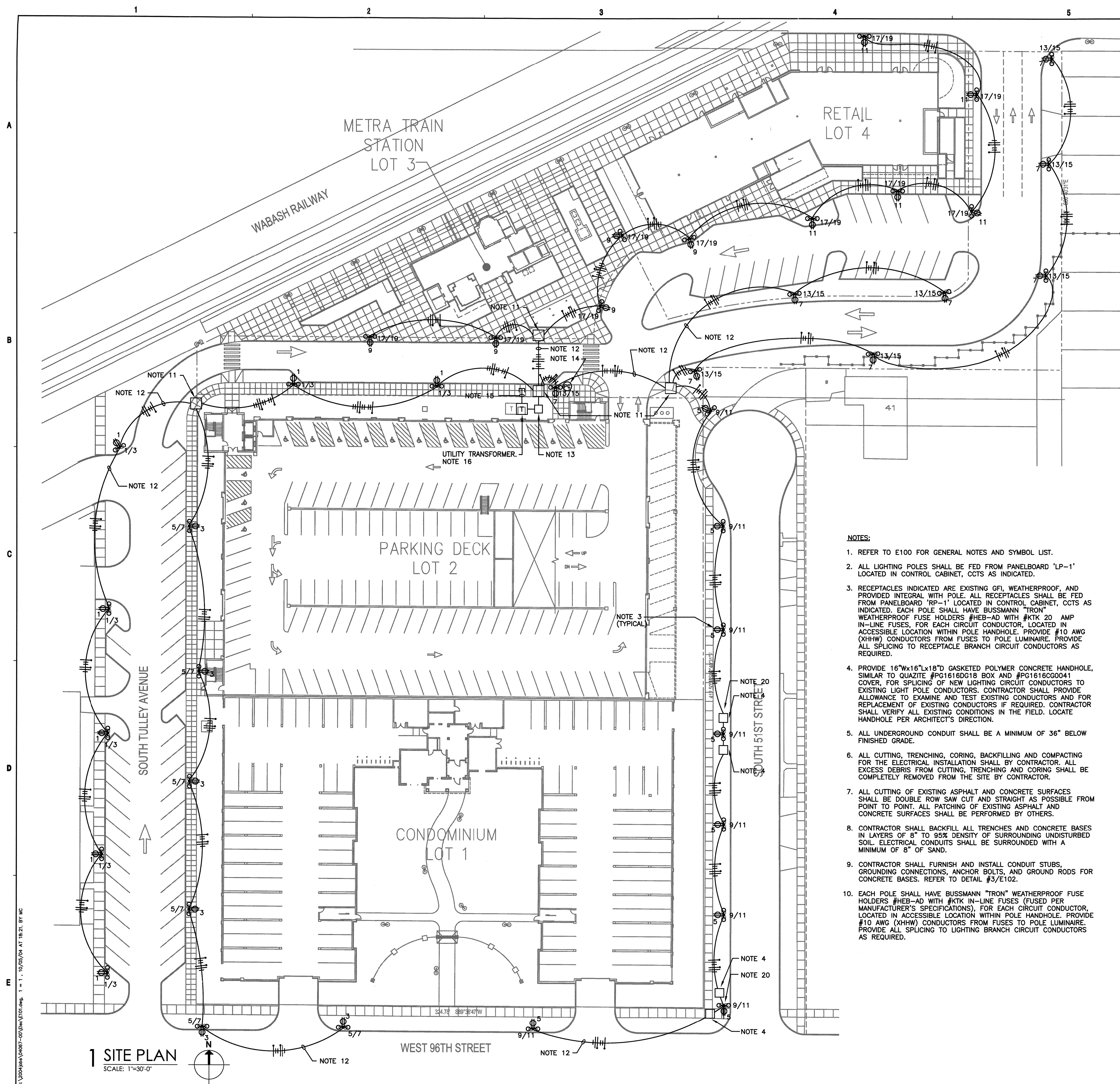
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		CHECKED AJD	REVISED -
Default		DATE 4/8/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RECORD DRAWING (4 OF 6) 95TH STREET AND MUSEUM DRIVE OAK LAWN, ILLINOIS			
SCALE: N.T.S.	SHEET 66	OF 86 SHEETS	STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0029	05-00167-01-TL	COOK	86	66
CONTRACT NO. 61F37				
ILLINOIS FED. AID PROJECT				

PROFILE	BY	DATE	ENGINEERING LTD.	PLAN	SURVEYED	BY	DATE
GRADES			CHRISTOPHER B. BURKE 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	NOTE BOOK	ALIGNMENT CHECKED		
B.M. NOTED				RT. OF WAY CHECKED			
STRUCTURE				CADD FILE NAME			
NO. _____				NO. _____			



the engineering studio, inc.
 mechanical, electrical, plumbing, fire protection
 2604 Dempster, Suite 204 • Park Ridge, IL 60068
 tel: (847) 795 - 8810 • fax: (847) 795 - 8812
 email: cadd@engineerfstudio.com
 illinois design firm #184-003901

SIGNED ON
SEAL EXPIRES 11/30/2005

HKM

ARCHITECTS + PLANNERS, INC.

6 SOUTH VAIL AVE ARLINGTON HEIGHTS, ILLINOIS 60005

P 847-392-9200 F 847-392-9009 E hkm@hkm-arch.com © 2003
HKM DESIGN FIRM NO.: 184-001735



OakLawn

**Metra**

- NOTES:

1. REFER TO E100 FOR GENERAL NOTES AND SYMBOL LIST.
2. ALL LIGHTING POLES SHALL BE FED FROM PANELBOARD "LP-1" LOCATED IN CONTROL CABINET, CCTS AS INDICATED.
3. RECEPTACLES INDICATED ARE EXISTING GFI, WEATHERPROOF, AND PROVIDED INTEGRAL WITH POLE. ALL RECEPTACLES SHALL BE FED FROM PANELBOARD "LP-1" LOCATED IN CONTROL CABINET, CCTS AS INDICATED. EACH POLE SHALL HAVE BUSMANN TRON WEATHERPROOF FUSE HOLDERS #HEB-AD WITH #KITK 20 AMP IN-LINE FUSES, FOR EACH CIRCUIT CONDUCTOR, LOCATED IN ACCESSIBLE LOCATION WITHIN POLE HANDHOLE. PROVIDE #10 AWG (XHHW) CONDUCTORS FROM FUSES TO POLE LUMINAIRE. PROVIDE ALL SPLICING TO RECEPTACLE BRANCH CIRCUIT CONDUCTORS AS REQUIRED.
4. PROVIDE 16"Wx16"Lx18"D GASKETED POLYMER CONCRETE HANDHOLE, SIMILAR TO QUATIZE #PG1616DG18 B OR #PG1616CG0041 COVER, FOR SPLICING OF NEW LIGHTING CIRCUIT CONDUCTORS TO EXISTING LIGHT POLE CONDUCTOR. PROVIDE #10 AWG ALLOWANCE TO EXAMINE AND TEST EXISTING CONDUCTORS AND FOR REPLACEMENT OF EXISTING CONDUCTORS IF REQUIRED. CONTRACTOR SHALL VERIFY ALL SPLICING AND WIRING IN THE FIELD. LOCATE HANDHOLE PER ARCHITECT'S DIRECTION.
5. ALL UNDERGROUND CONDUIT SHALL BE A MINIMUM OF 36" BELOW FINISHED GRADE.
6. ALL CUTTING, TRENCHING, CORING, BACKFILLING AND COMPACTING FOR THE ELECTRICAL INSTALLATION SHALL BY CONTRACTOR. ALL EXISTING DEBRIS SHALL BE REMOVED FROM THE SITE BY CONTRACTOR.
7. ALL CUTTING OF EXISTING ASPHALT AND CONCRETE SURFACES SHALL BE DOUBLE ROW SAW CUT AND STRAIGHT AS POSSIBLE FROM POINT TO POINT. ALL PATCHING OF EXISTING ASPHALT AND CONCRETE SURFACES SHALL BE PERFORMED BY OTHERS.
8. CONTRACTOR SHALL BACKFILL ALL TRENCHES AND CONCRETE BASES IN LAYERS OF 8" TO 95% DENSITY OF SURROUNDING UNDISTURBED SOIL. ELECTRICAL CONDUITS SHALL BE SURROUNDED WITH A MINIMUM OF 8" OF SAND.
9. CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT STUBS, GROUNDING CONNECTIONS, ANCHOR BOLTS, AND GROUND RODS FOR CONCRETE BASES. REFER TO DETAIL "95/E102.
10. EACH POLE SHALL HAVE BUSMANN TRON WEATHERPROOF FUSE HOLDERS #HEB-AD WITH #KITK IN-LINE FUSES (FUSED PER MANUFACTURER'S SPECIFICATIONS). FOR EACH CIRCUIT CONDUCTOR, LOCATED IN ACCESSIBLE LOCATION WITHIN POLE HANDHOLE. PROVIDE #10 AWG (XHHW) CONDUCTORS FROM FUSES TO POLE LUMINAIRE. PROVIDE ALL SPLICING TO LIGHTING BRANCH CIRCUIT CONDUCTORS AS REQUIRED.

11. PROVIDE 2"x4"x24" LxHxT GASKETED POLYMER CONCRETE HANDHOLE SIMILAR TO QUAZITE JFG62424G18 BOX AND #PG2424C000041 COVER. PROVIDE COING AND WATERPROOFING AS REQUIRED. VERIFY EXACT LOCATION WITH THE ARCHITECT.
12. PROVIDE UNIT-DUCT WITHIN 3" HWG SLEEVE ACROSS ENTIRE WIDTH OF ROADWAYS SUBJECT TO VEHICULAR TRAFFIC.
13. PROVIDE EXTERIOR LIGHTING CONTROL CABINET. SEE DETAIL #1/E102.
14. PROVIDE PHOTOCELL-INTERMATIC 94121M SERIES, AT TOP OF POLE AND PROVIDE CONTROL WIRING IN 1" HWG BACK TO CONTROL CABINET. WIRE PHOTOCELL TO LIGHTING CONTROLLER "LC-1" FOR CONTROL OF LIGHTING POLES. PHOTOCELL SHALL BE COMPATIBLE WITH CONTACTOR.
15. PROVIDE (2) EMPTY 3" HWG ENCASED IN 2" CONCRETE ENVELOPE FROM UTILITY TRANSFORMER SUBBED TO PROPERTY LINE FOR UTILITY TRANSFORMER PRIMARY SERVICE. COORDINATE ALL WORK WITH POWER UTILITY.
16. PROVIDE CONCRETE WAD AND ALL REQUIRED TRANSFORMER GROUNDING PROVISIONS FOR UTILITY TRANSFORMER AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH POWER UTILITY.
17. MINIMUM UNDERGROUND CONDUIT SIZE SHALL BE 2", U.N.O.
18. MINIMUM WIRE SIZE OR LIGHTING POLE LUMINAIRE BRANCH CCTS SHALL BE #6 AWG, I.N.O.
19. MINIMUM WIRE SIZE OR LIGHTING POLE RECEPTACLE BRANCH CCTS SHALL BE #4 AWG, I.N.O.
20. EXISTING LIGHT POLE WITH EXISTING BASE. LIGHT POLE SHALL BE TIED INTO NEW LIGHTING AND RECEPTACLE CIRCUITS INDICATED. CONTRACTOR SHALL CONFIRM EXISTING CONDITIONS IN THE FIELD.

[illegible]

ELECTRICAL SITE PLAN

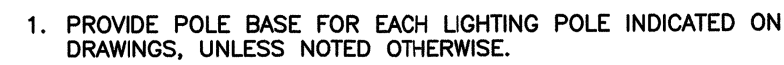
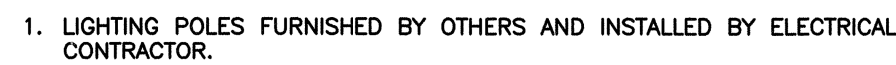
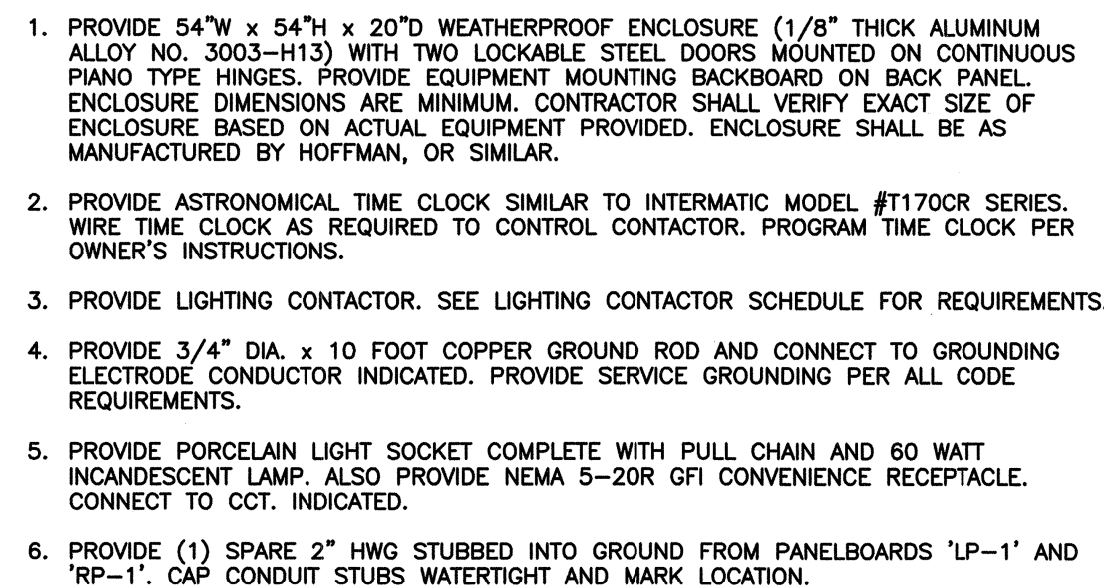
date 10-12-04 drawn by MC/RB checked by ELS

Job No. **03058T**

Sheet No. E101

FOR INFORMATIONAL PURPOSES ONLY

FILE NAME =	USER NAME = wbioftus	DESIGNED DRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RECORD DRAWING (5 OF 6) 95TH STREET AND MUSEUM DRIVE OAK LAWN, ILLINOIS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\OakLawn\160482\Mech\REC_160482_05.sht		DRAWN DRK	REVISED -						0029	05-00167-01-TL	COOK	86	67	
Default	PLOT SCALE = 20'	CHECKED AJD	REVISED -		SCALE: N.T.S.				SHEET 67 OF 86 SHEETS STA. - TO STA. -				CONTRACT NO. 61F37	
Default	PLOT DATE = 4/8/2019	DATE 4/8/2019	REVISED -						ILLINOIS FED. AID PROJECT					



PANELBOARD: RP-1

LOCATION: CONTROL CABINET

TYPE: NEMA 1, BOLT-ON, CB

BUS: 125 A

MAIN: 125A/2P MCB

MOUNTING: SURFACE

VOLTAGE: 240 /120V, 1P, 3W

CCT	C/B	DESCRIPTION	PHASE A VA	PHASE B VA	DESCRIPTION	C/B	CCT
* 1	40	1 RECS-POLE	1260	240	REC/LIGHT-CONTROL CABINET	20	1 2
* 3	40	1 RECS-POLE		1080		20	1 4
* 5	40	1 RECS-POLE	1440			20	1 6
* 7	40	1 RECS-POLE		1620		20	1 8
* 9	40	1 RECS-POLE	900			20	1 10
* 11	40	1 RECS-POLE		900		20	1 12
13	20	1 TC-2, LC-2 CTRL CCT	200			20	1 14
15							16
17							18
19							20
21							22
23							24
TOTAL VA/ PHASE			4040	3600			

TOTAL VA 7640

TOTAL AMPS 32

DEMAND AMPS 32

65,000 AIC
RATED.

* - CONTACTOR CONTROLLED CIRCUIT
PROVIDE SERVICE RATING AND NEUTRAL BONDING

NOTE: ALL LIGHTING POLES ARE EXISTING AND SHALL BE FURNISHED BY OTHERS. LIGHTING POLE SCHEDULE IS PROVIDED FOR REFERENCE ONLY.

A. CONTACTOR SHALL BE AUTOMATICALLY CONTROLLED BY PHOTOCCELL (ON/OFF) AS INDICATED ON THE DRAWINGS. PROVIDE ALL WIRING AS REQUIRED.

B. CONTACTOR SHALL BE AUTOMATICALLY CONTROLLED BY TIME SWITCH (ON/OFF). PROVIDE ALL WIRING AS REQUIRED.

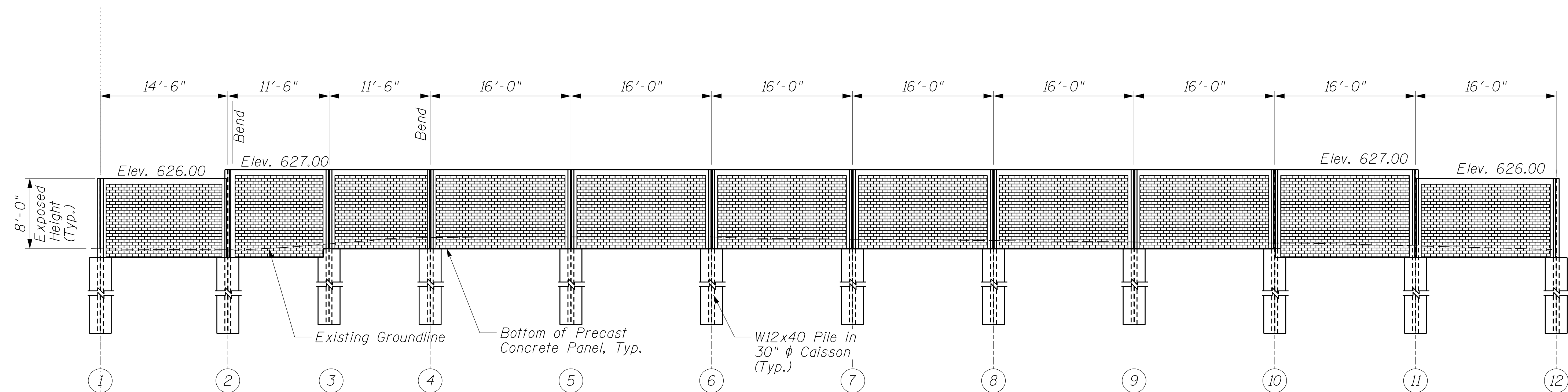
C. PROVIDE CONTACTOR WITH H-O-A SELECTOR SWITCH.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0029	05-00167-01-TL	COOK	86	68
		CONTRACT NO. 61F37		
ILLINOIS		FED. AID PROJECT		

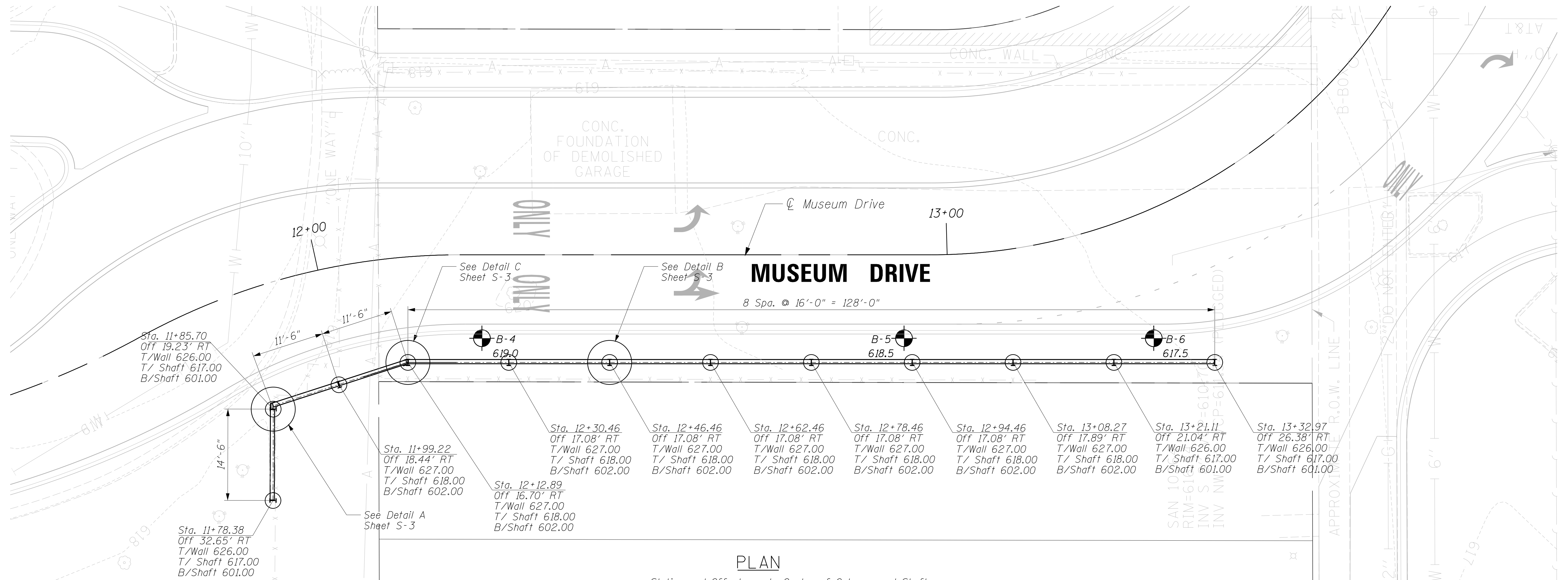
SIGNED ON
SEAL EXPIRES 11/30/2005

Metra

Sheet No. E102



UNFOLDED ELEVATION



PLAN

Station and Offset are to Center of Columns and Shafts.
Dimensions are Center to Center of Piles.

FILE NAME =	USER NAME = wbioftus	DESIGNED - MJH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND ELEVATION MUSEUM DRIVE NOISE WALL					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\0akLawn\160482\CADD_Sheets\160482-sh-gpe-wall.dgn		DRAWN - JAL	REVISED -		0029	05-00167-01-TL	COOK	86	69					
	PLOT SCALE = 8'	CHECKED - LMF	REVISED -		CONTRACT NO. 61F37									
Default	PLOT DATE = 4/8/2019	DATE -	REVISED -		SCALE: 8'	SHEET S-1	OF 4	SHEETS	STA. 11+78.38	TO STA. 13+32.78	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

1. NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED FOR CONSTRUCTION. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THE WORK WITH THE ACTUAL CONDITIONS, IF THERE ARE DISCREPANCIES BETWEEN THE JOB SITE AND WHAT IS SHOWN ON THE CONSTRUCTION PLANS, THE CONTRACTOR MUST IMMEDIATELY REPORT TO ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE PLANS AND EXISTING CONDITIONS AND OR DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. IN FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTIONS ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.

CAST-IN-PLACE CONCRETE

1. ALL CAST-IN-PLACE CONCRETE WORK AND REINFORCING STEEL WORK SHALL BE IN ACCORDANCE WITH SECTIONS 503 AND 508 RESPECTIVELY OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED APRIL 1, 2016, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS AND AS NOTED BELOW.
2. REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
3. REINFORCEMENT BARS BENDING DIMENSIONS ARE OUT TO OUT.
4. ALL EXPOSED CONCRETE EDGES SHALL BE BEVELED 3/4".

STRUCTURAL STEEL

1. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AISC " CODE OF STANDARD PRACTICE FOR BUILDING AND BRIDGES".
2. ALL WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992. ALL OTHER HOT ROLLED SHAPES SHALL CONFORM TO ASTM A36.
3. WELDED CONNECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ANSI /AWS D1.1 STRUCTURAL WELDING CODE, MADE WITH E70XX ELECTRODES AND PERFORMED BY CERTIFIED WELDER.

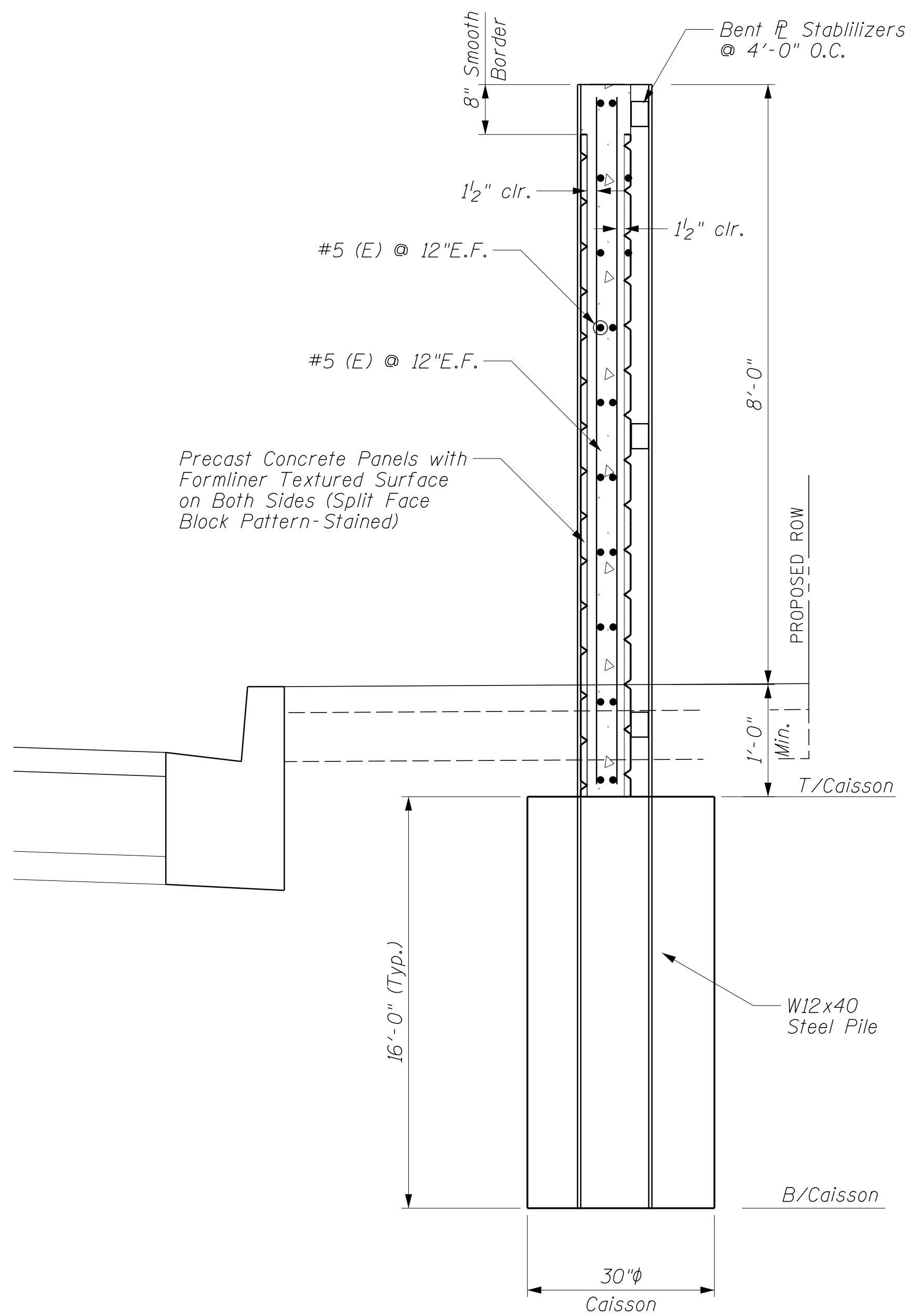
CONSTRUCTION

1. DO NOT SCALE DIMENSIONS FOR CONSTRUCTION. SCALE, IF SHOWN, APPLIES ONLY TO FULL SIZE DRAWINGS.
2. NO CONSTRUCTION JOINTS WILL BE ALLOWED UNLESS DIRECTED BY THE ENGINEER.
3. SHOP WORKING OR LAYOUT DRAWINGS PERTAINING TO THE CONSTRUCTION OF THE WORK, AS MAY BE REQUIRED, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. SHOP DRAWING SHALL BE SIGNED AND SEALED BY A STRUCTURAL ENGINEER LICENSED IN STATE OF ILLINOIS.
4. UPON COMPLETION, THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS AND EXCESS MATERIAL FROM THE SITE. DAMAGED TREES, SHRUBS, AND OTHER LANDSCAPE FEATURES RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE REPLACED OR REPAIRED.
5. ALL BEARING SURFACES MUST BE TRUE AND LEVEL.

BILL OF MATERIALS

SP	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
	50200100	STRUCTURE EXCAVATION	CU YD	30
	50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	1675
	52200105	FURNISHING SOLDIER PILES (W SECTION)	FOOT	302
	52200200	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	950
*	Z0043698	PRECAST CONCRETE PANEL	SQ FT	1490

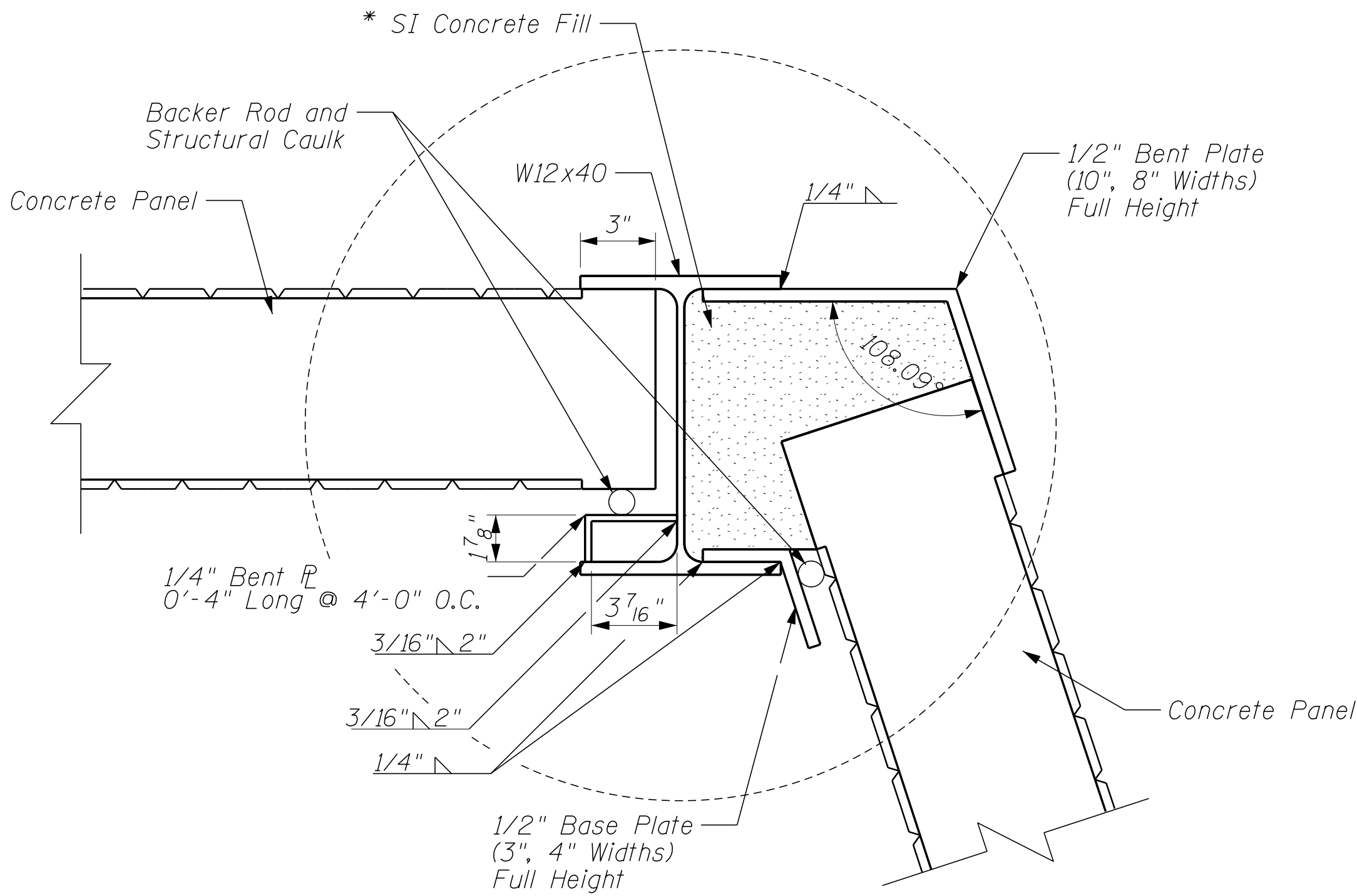
FILE NAME =	USER NAME = wbioftus	DESIGNED - MJH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND SUMMARY OF QUANTITIES MUSEUM DRIVE NOISE WALL				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\CADD_Sheets\160482-sh-gen.dgn	DRAWN - JAL	REVISED -	REVISED -						0029	05-00167-01-TL	COOK	86	70
Default	PLOT SCALE = 1'	CHECKED - LMF	REVISED -		CONTRACT NO. 61F37								
	PLOT DATE = 4/8/2019	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE: 1'	SHEET S-2	OF 4	SHEETS	STA. 11+78.38	TO STA. 13+32.78			



TYPICAL WALL CROSS SECTION

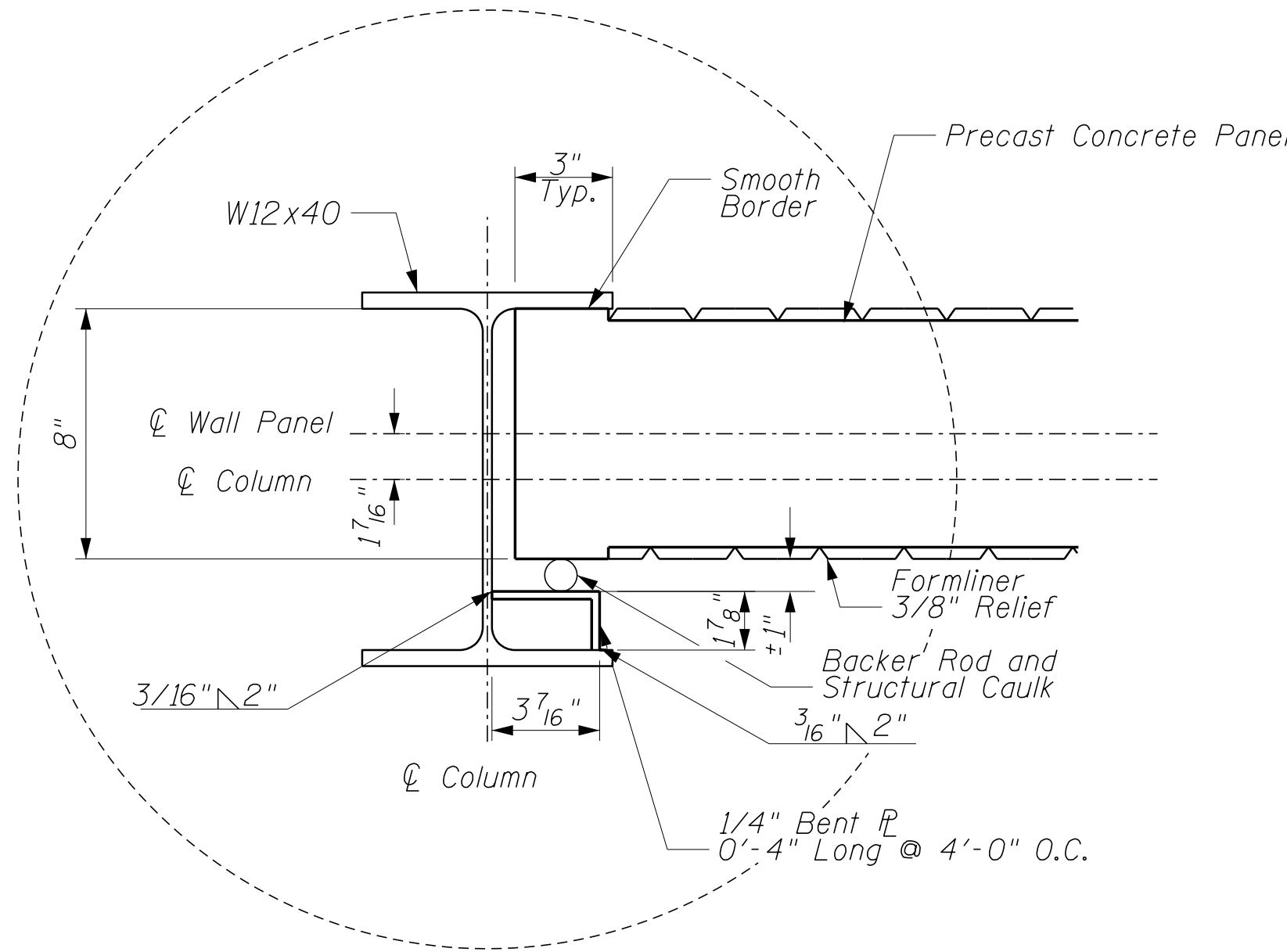
NOTES:

1. Epoxy Coated Reinforcement and Stained Formliner Texture Surface Included in Cost of Precast Concrete Panels.
2. Painting Steel Columns Included in Cost of Furnishing and Erecting Structural Steel.
3. Temporary Casing Required Included in Cost of Drilling and Setting Piles in Soil.

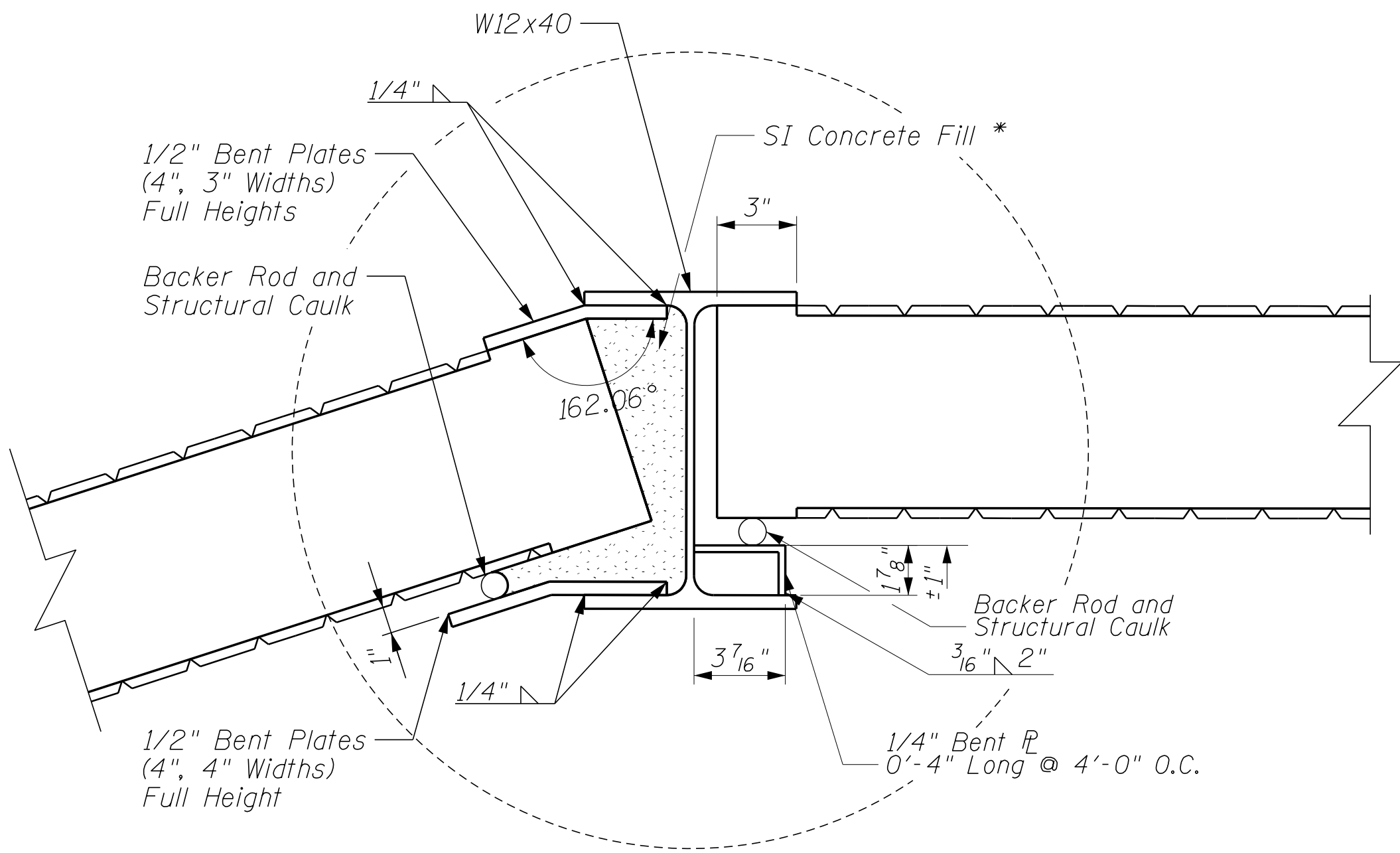


DETAIL A - BEND DETAIL STA. 11+85.70

* SI Concrete Fill Included in the Cost of Precast Concrete Panel.



DETAIL B - TYPICAL DETAIL



DETAIL C - BEND DETAIL STA. 12+12.89

* SI Concrete Fill Included in the Cost of Precast Concrete Panel.

FILE NAME =	USER NAME = wbioftus	DESIGNED - MJH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS AND TYPICAL WALL SECTION MUSEUM DRIVE NOISE WALL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\0akLawn\160482\CADD_Sheets\160482-sh-2\Detail1.dgn		DRAWN - JAL	REVISED -					0029	05-00167-01-TL	COOK	86	71
Default	PLOT SCALE = 1"	CHECKED - LMF	REVISED -		SCALE: 1'			CONTRACT NO. 61F37				
	PLOT DATE: 4/8/2019	DATE -	REVISED -		SHEET S-3 OF 4 SHEETS			STA. 11+78.38 TO STA. 13+32.78				

PROJECT **Noise Wall and Roadway Improvements, Museum Drive, Oak Lawn, IL**

CLIENT **Christopher B. Burke Engineering, Ltd., Rosemont, Illinois**

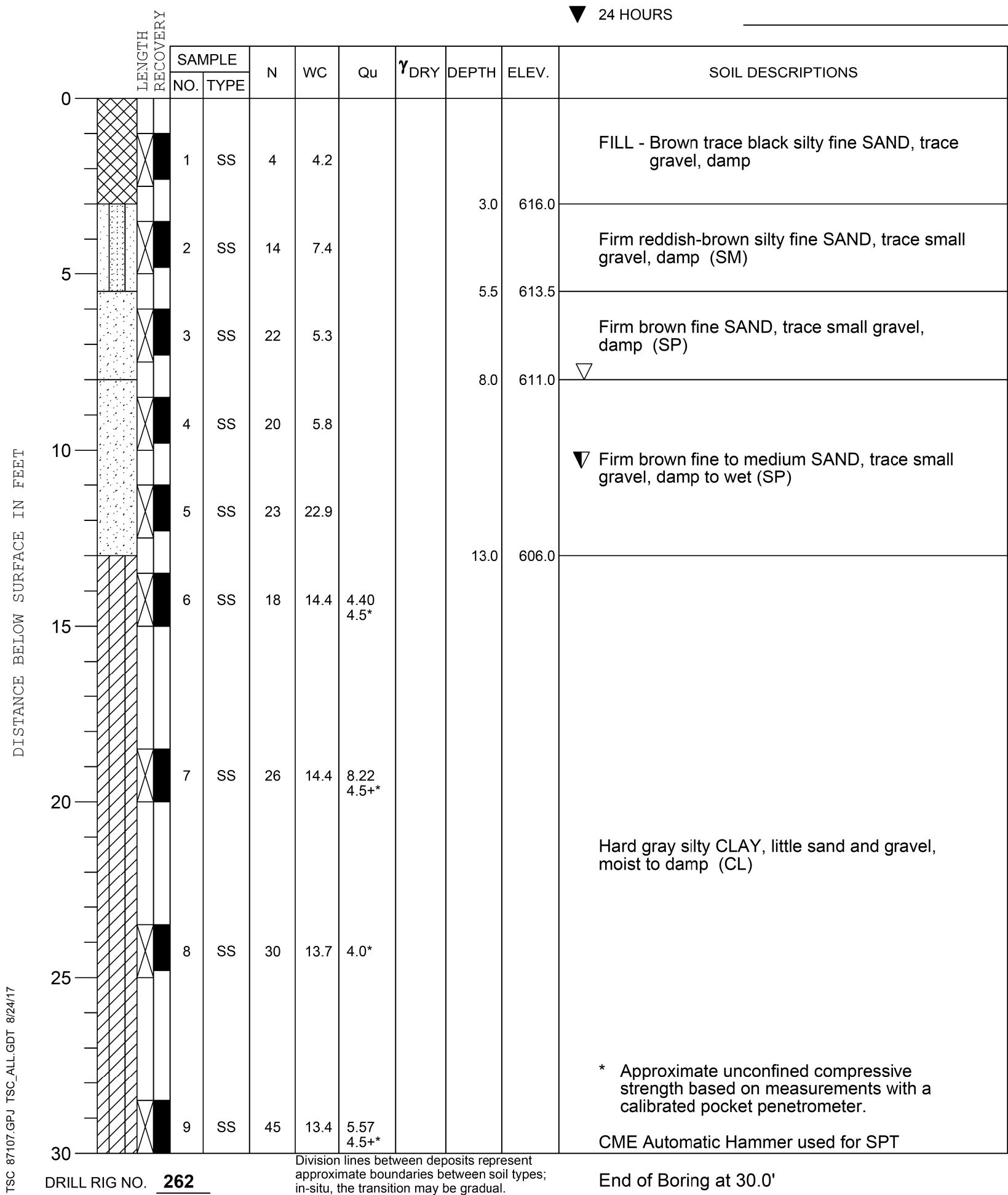
BORING **4** DATE STARTED **8-9-17** DATE COMPLETED **8-9-17** JOB **L-87,107**

ELEVATIONS WATER LEVEL OBSERVATIONS

GROUND SURFACE **619.0** WHILE DRILLING **10.5'**

END OF BORING **589.0** AT END OF BORING **8.0'**

24 HOURS



PROJECT **Noise Wall and Roadway Improvements, Museum Drive, Oak Lawn, IL**

CLIENT **Christopher B. Burke Engineering, Ltd., Rosemont, Illinois**

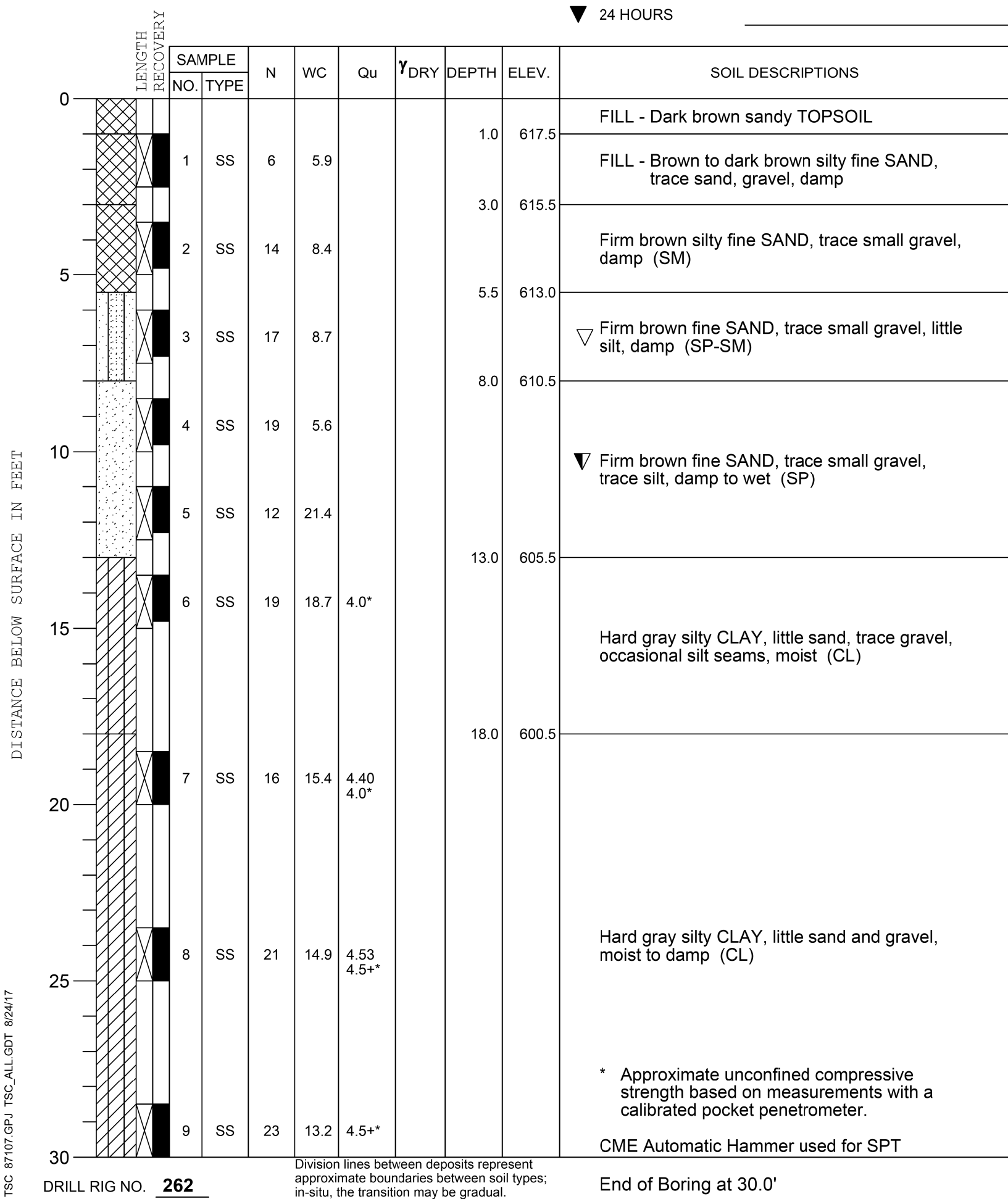
BORING **5** DATE STARTED **8-9-17** DATE COMPLETED **8-9-17** JOB **L-87,107**

ELEVATIONS WATER LEVEL OBSERVATIONS

GROUND SURFACE **618.5** WHILE DRILLING **10.5'**

END OF BORING **588.5** AT END OF BORING **7.0'**

24 HOURS



PROJECT **Noise Wall and Roadway Improvements, Museum Drive, Oak Lawn, IL**

CLIENT **Christopher B. Burke Engineering, Ltd., Rosemont, Illinois**

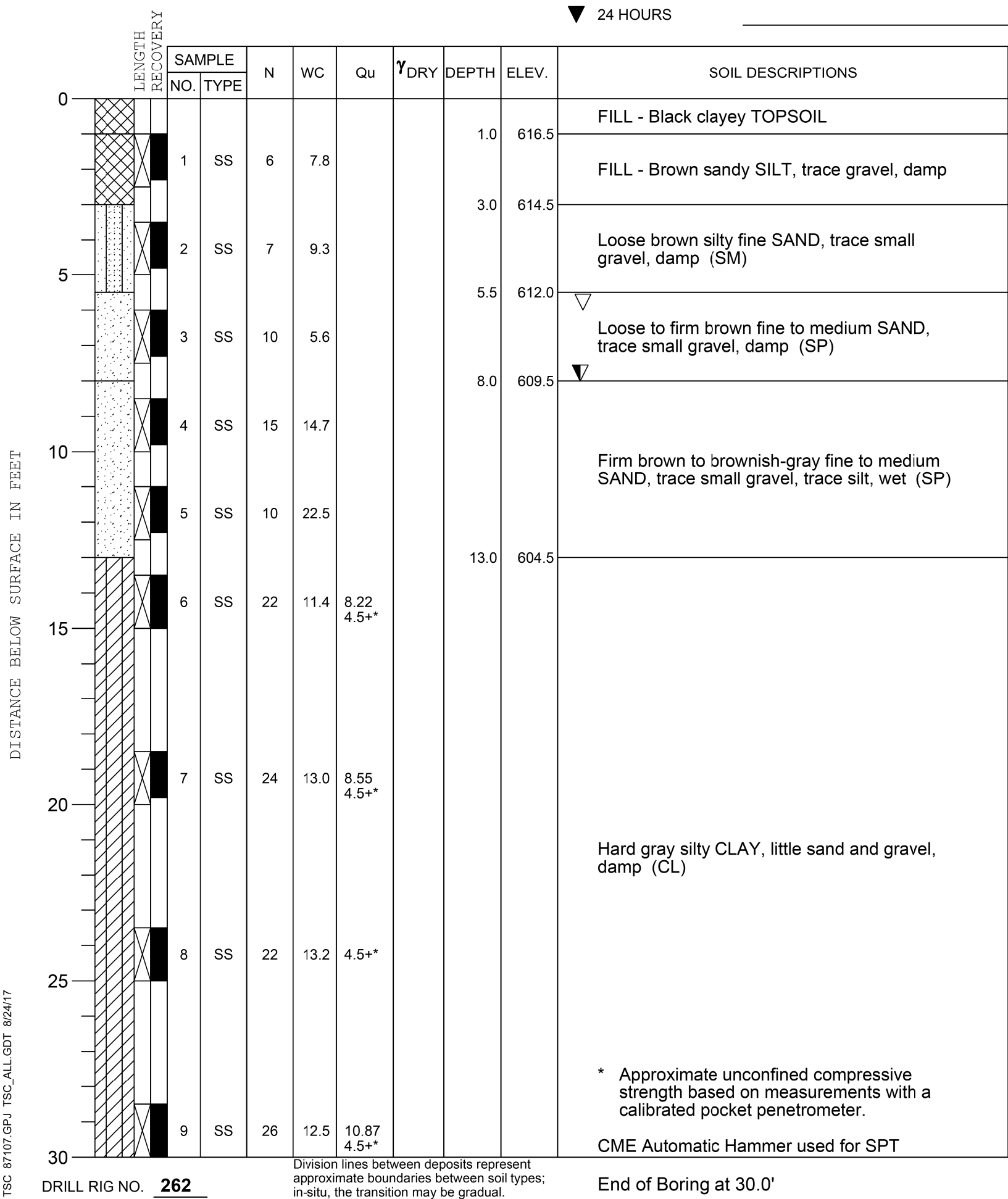
BORING **6** DATE STARTED **8-9-17** DATE COMPLETED **8-9-17** JOB **L-87,107**

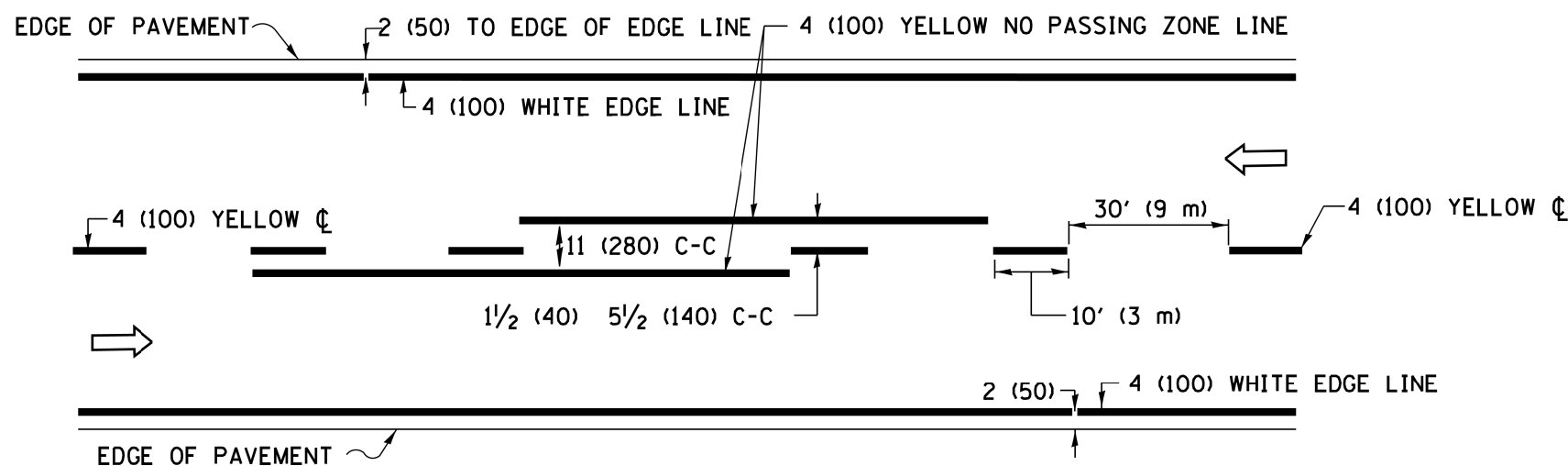
ELEVATIONS WATER LEVEL OBSERVATIONS

GROUND SURFACE **617.5** WHILE DRILLING **8.0'**

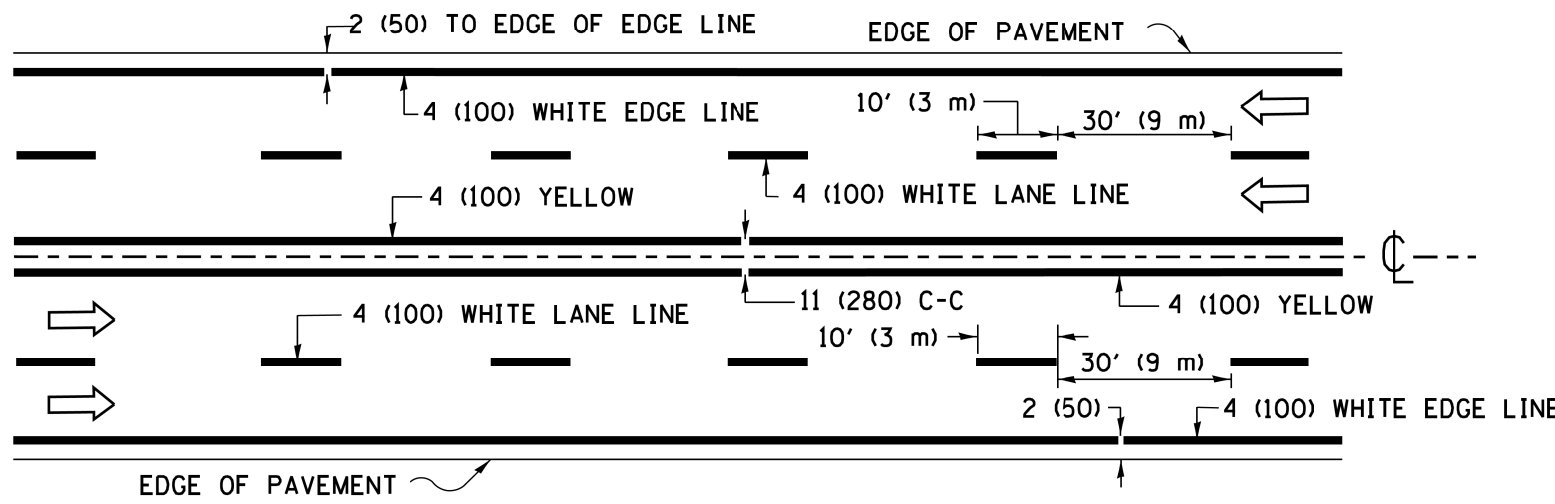
END OF BORING **587.5** AT END OF BORING **6.0'**

24 HOURS

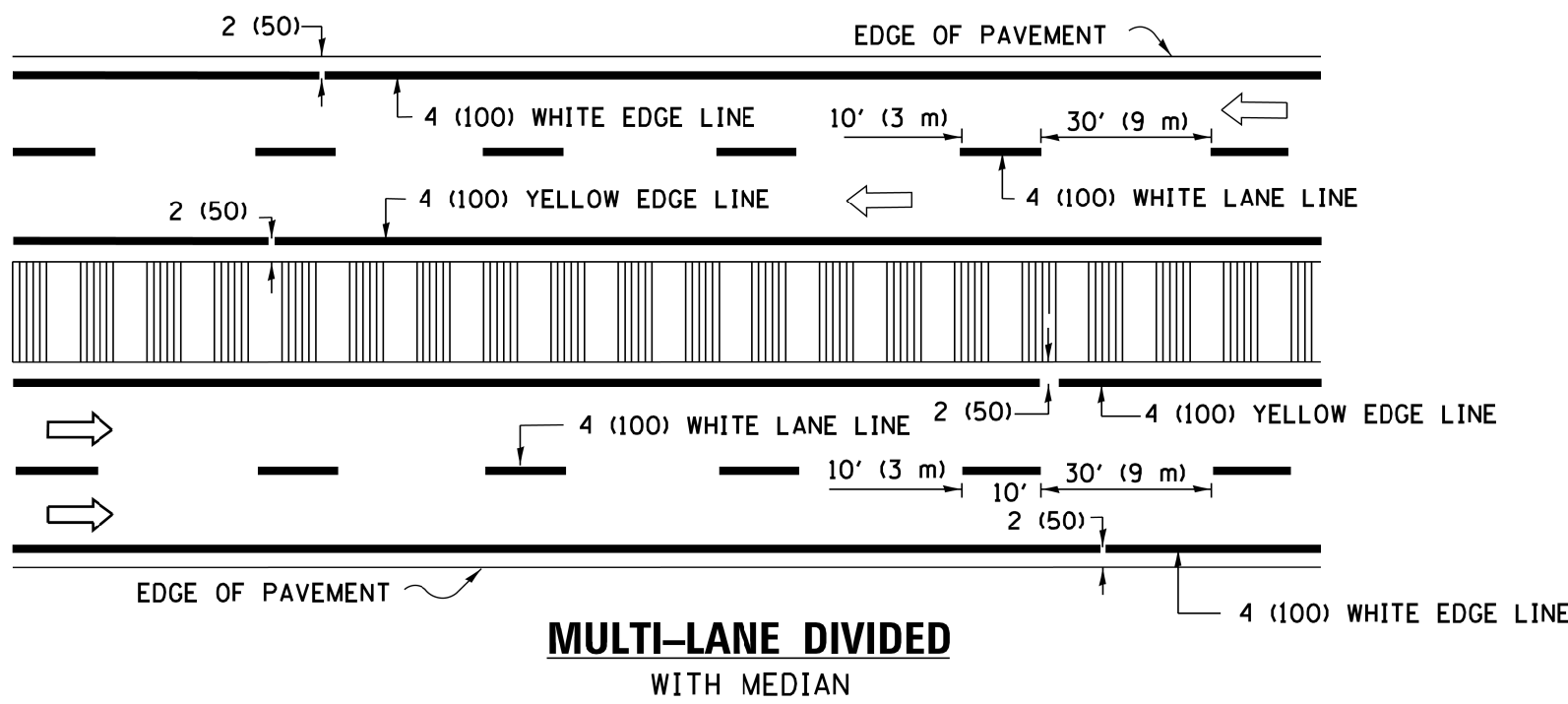




2-LANE ROADWAY

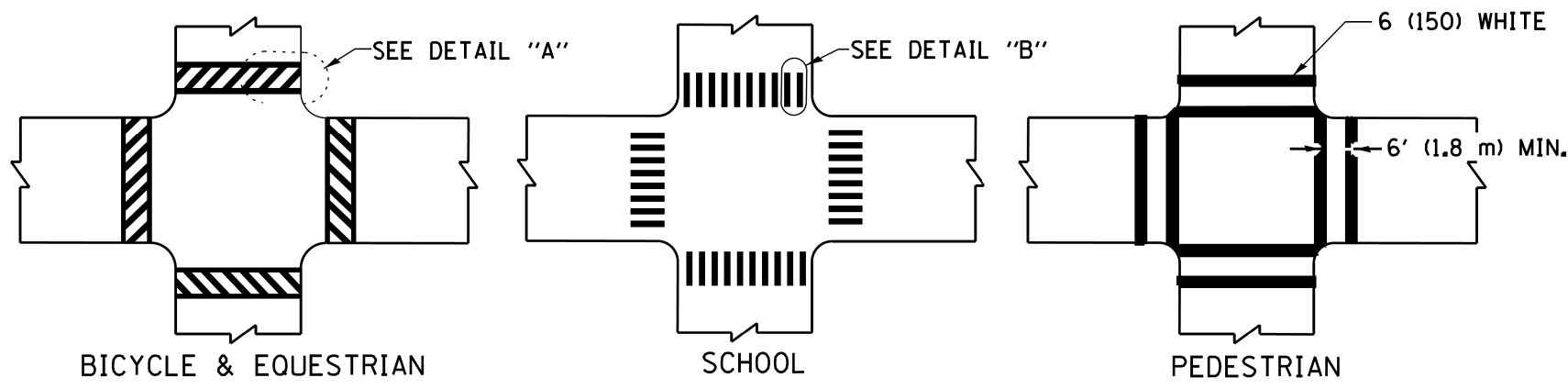


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

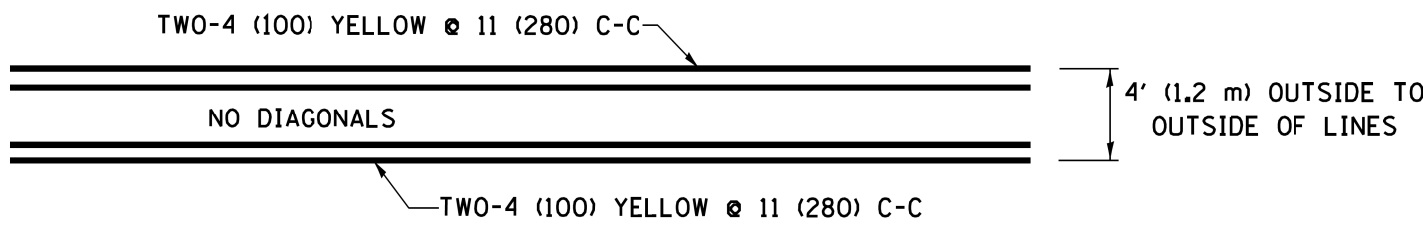


DETAIL "A"

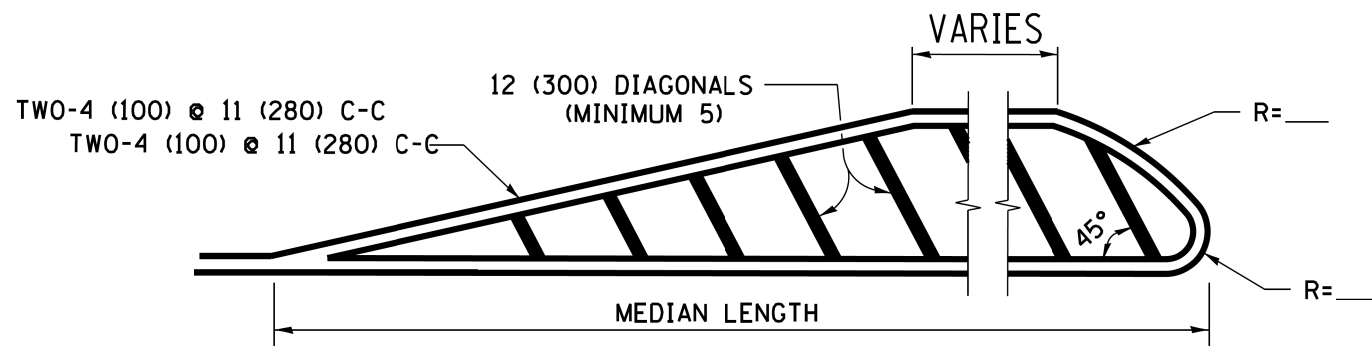
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

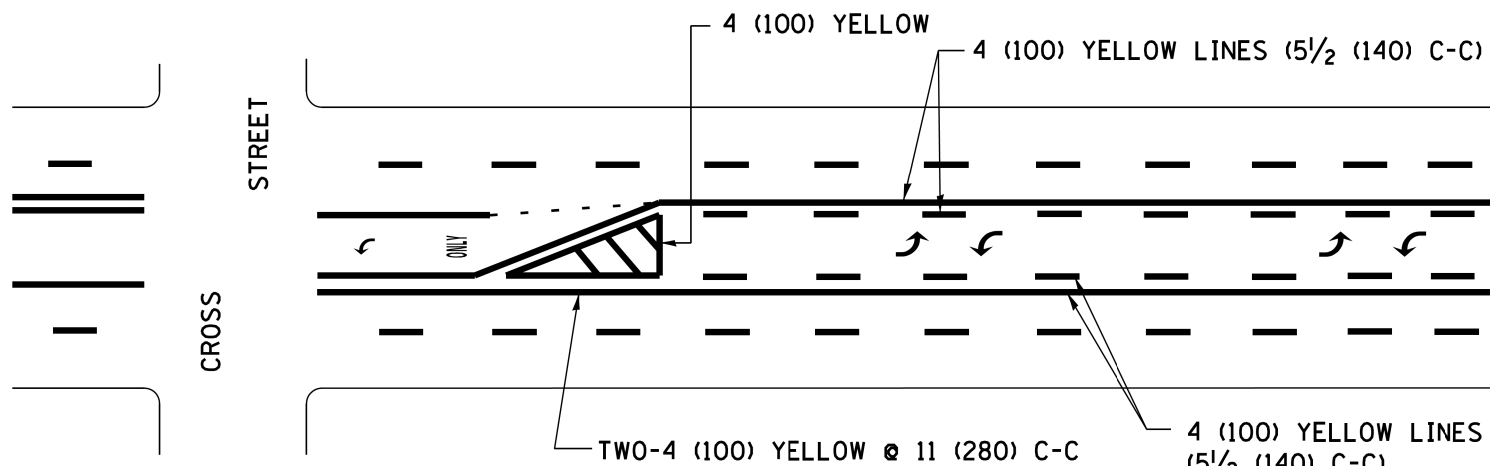


4' (1.2 m) WIDE MEDIANS ONLY

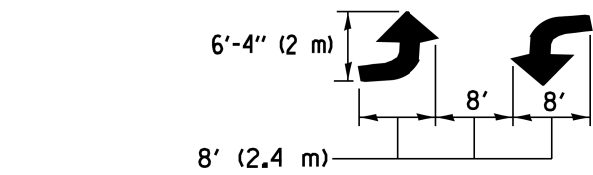


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

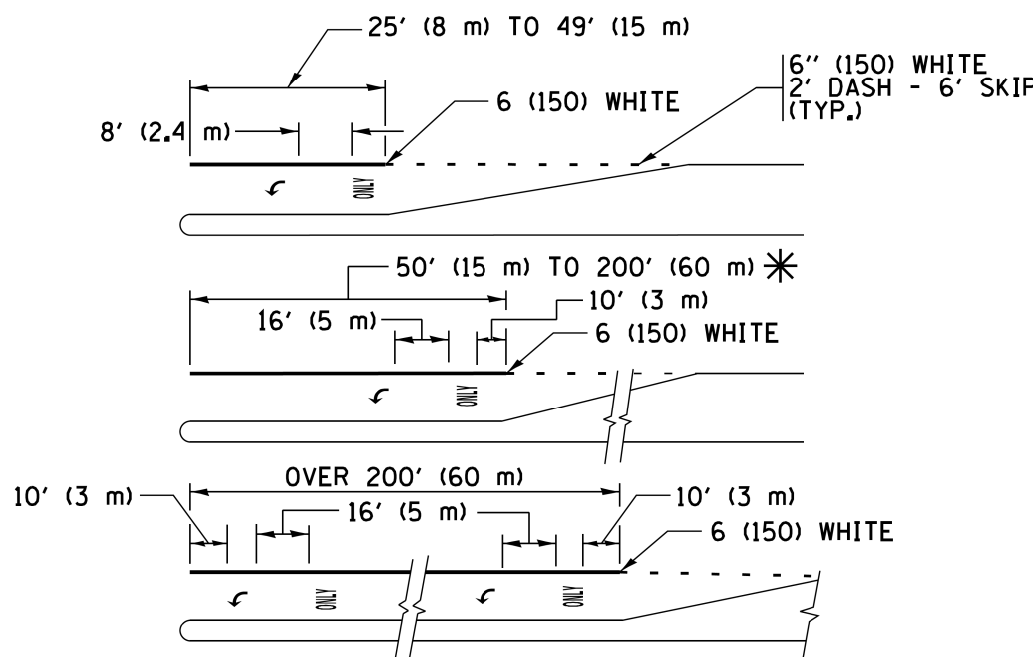


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

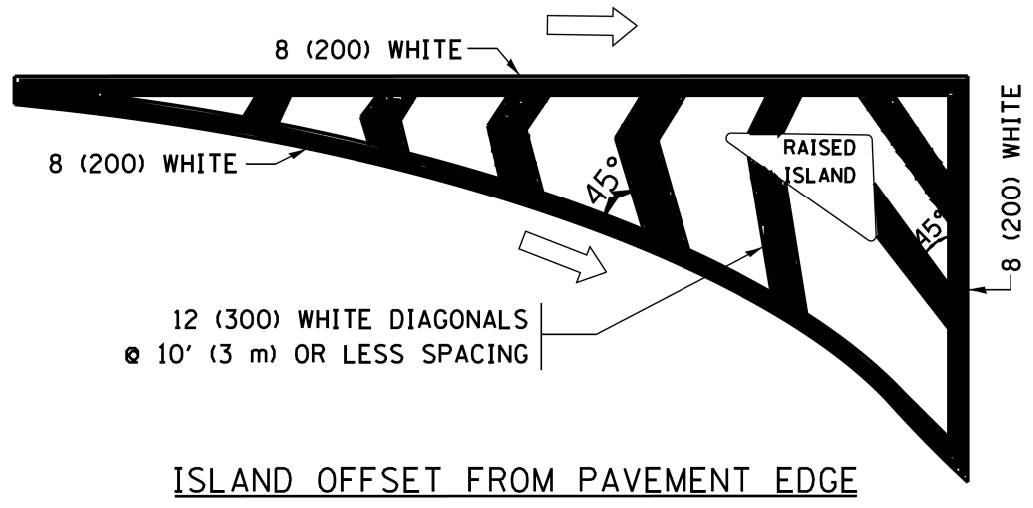


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

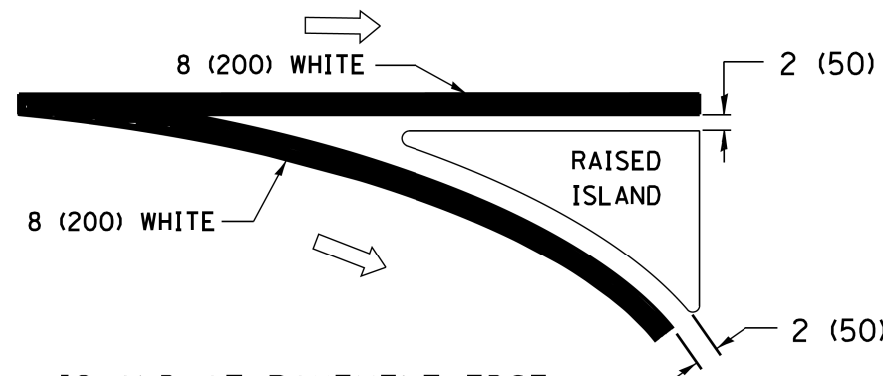
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

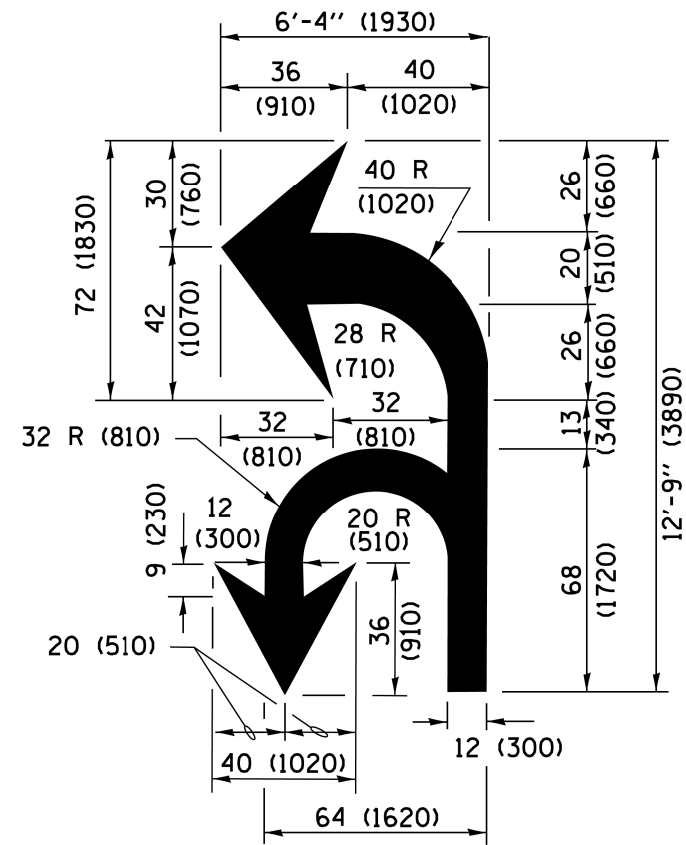


ISLAND OFFSET FROM PAVEMENT EDGE

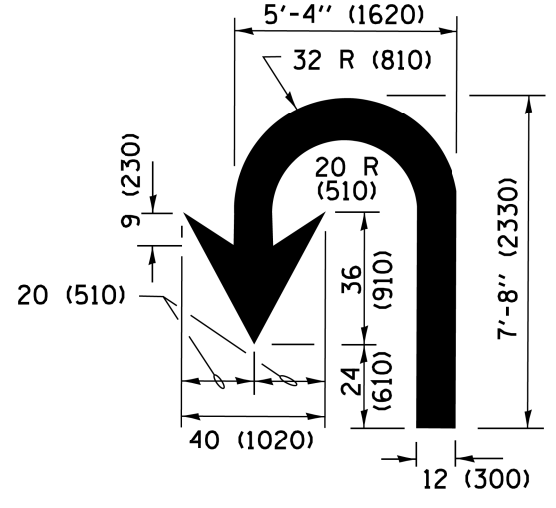


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION
LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH, 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = lrysa	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
W:\diststd\22x34\to13.dgn		DRAWN -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONB/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0029	05-00167-01-TL	COOK	86	74
TC-13		CONTRACT NO. 61F37		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

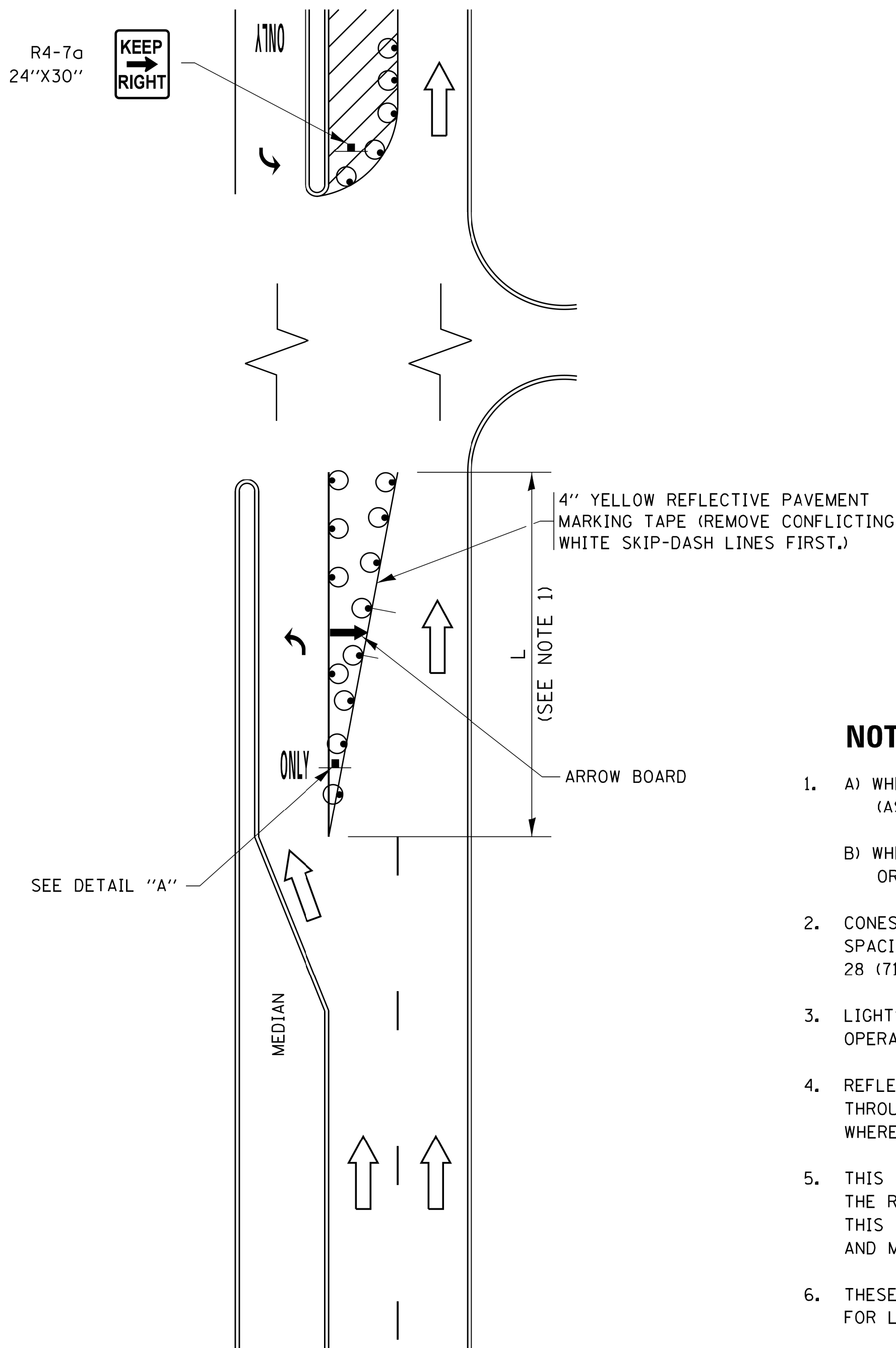


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

- A) WHEN "L" IS $\leq$ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

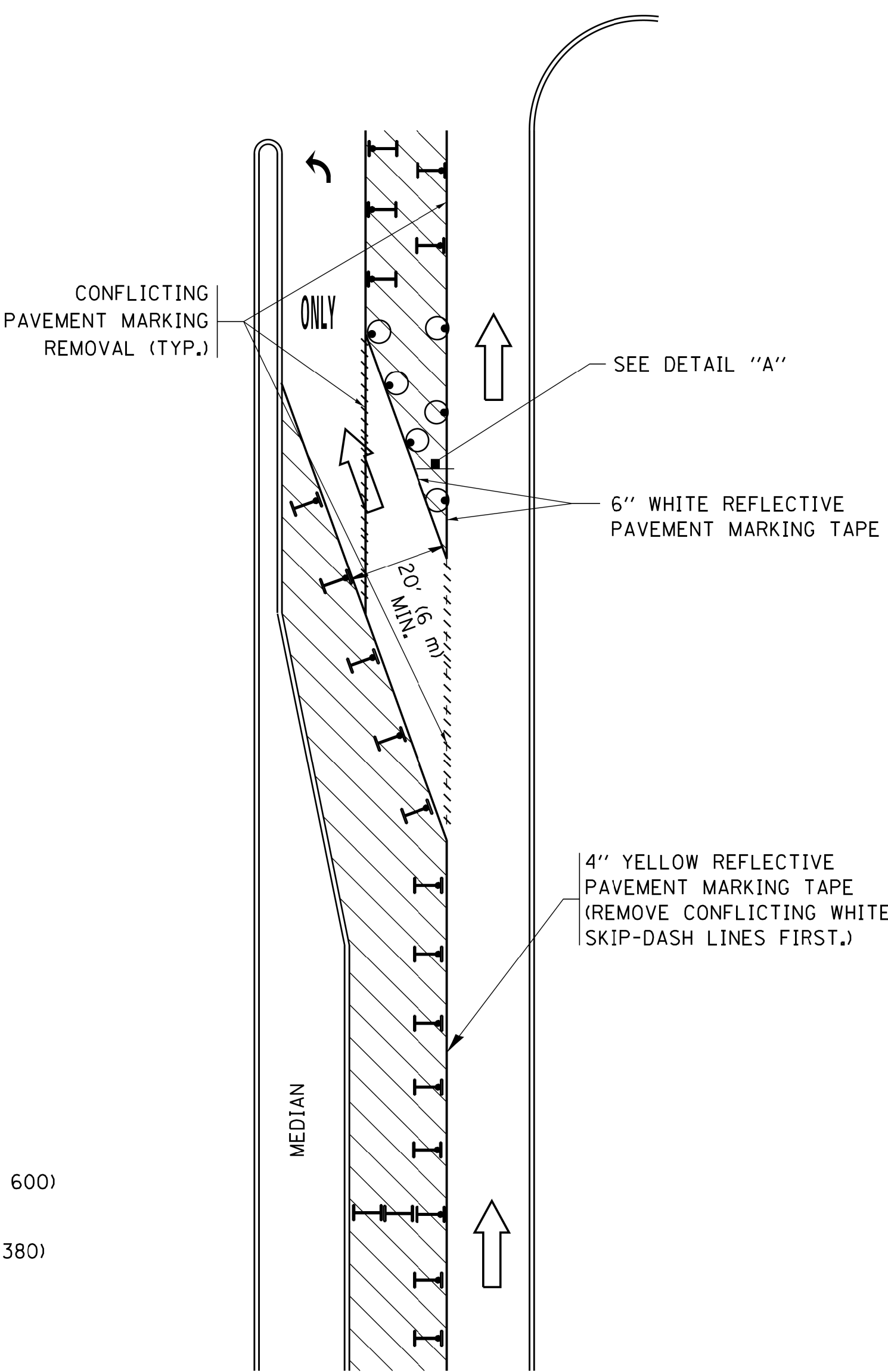
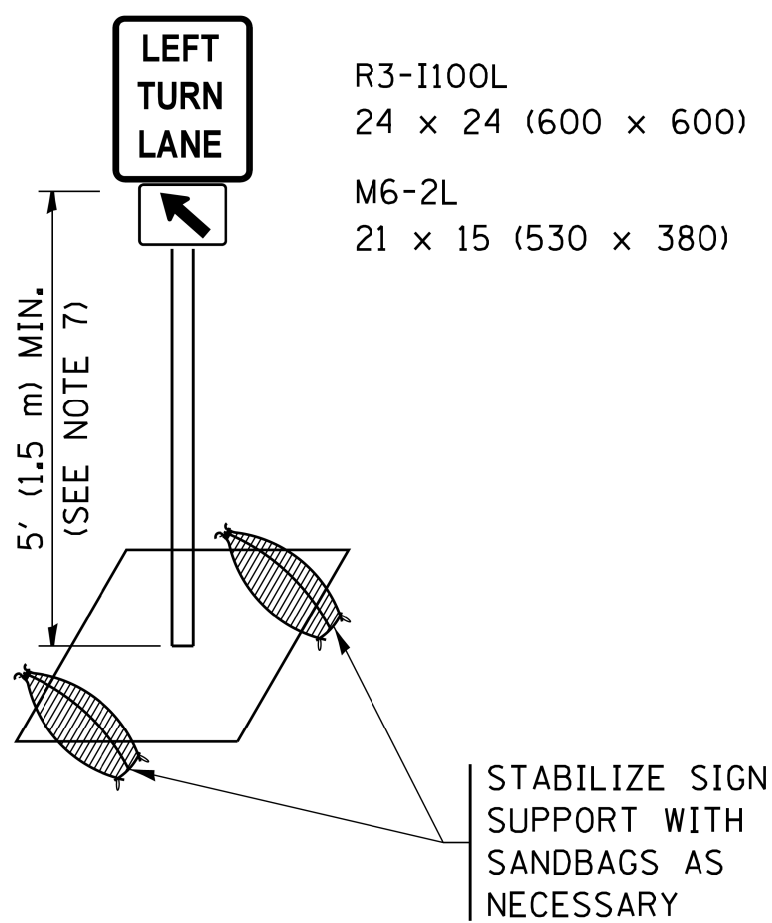


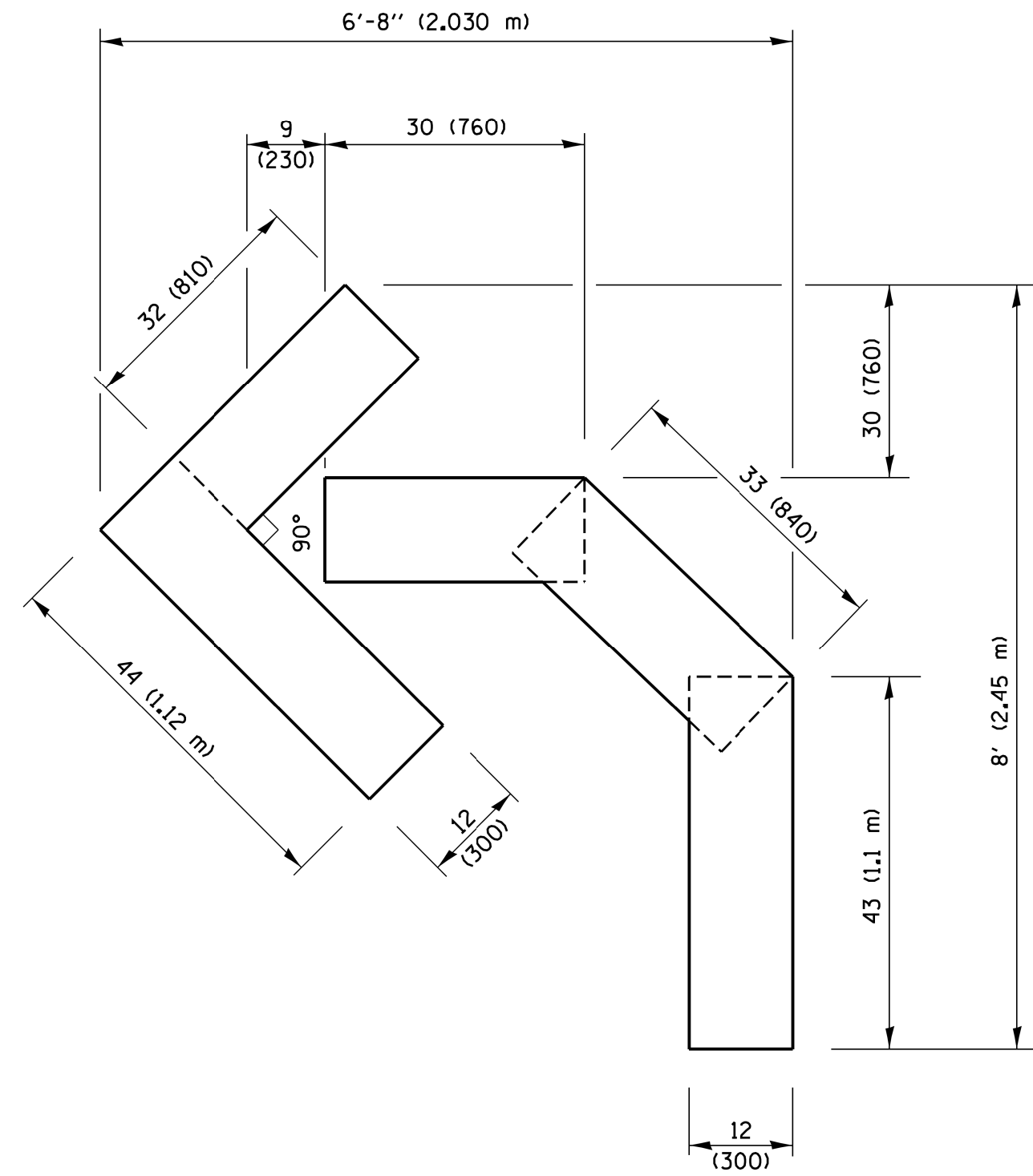
FIGURE 2



DETAIL A

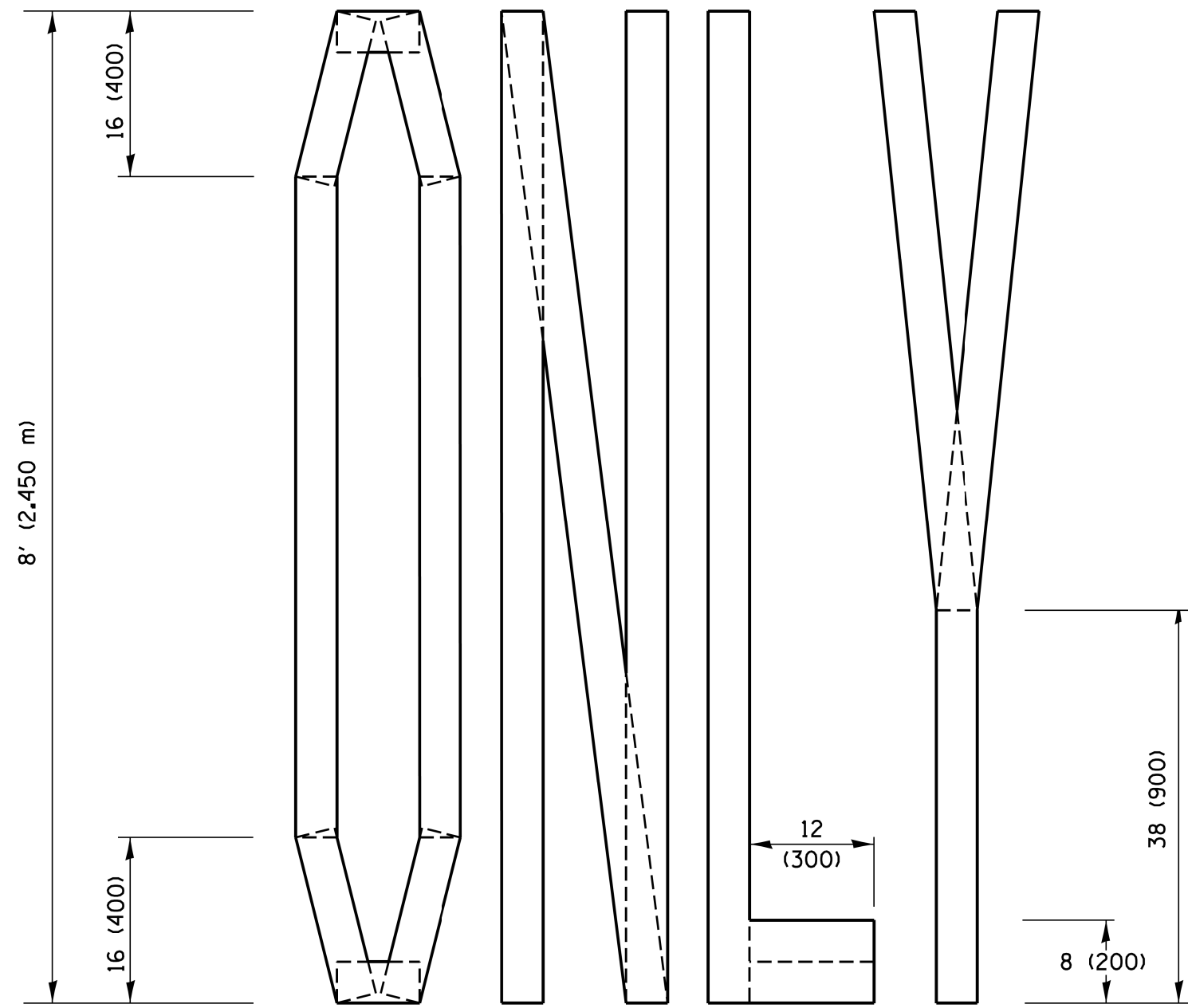
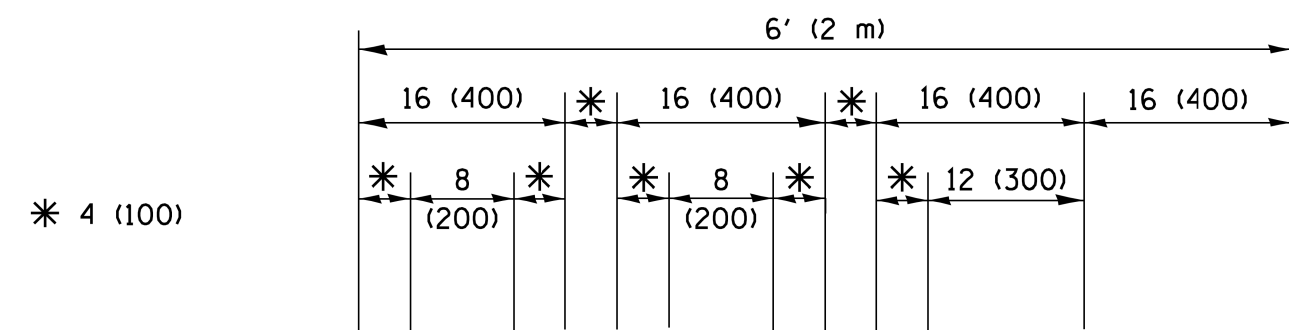
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footenj	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\1\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\Dist	Documents\IDOT Offices\District 1\Projects\Dist	REVISED - A. HOUSEH 10-07-95	REVISED - A. SCHUETZE 07-01-13			0029	05-00167-01-TL	COOK	86	75	
Default	PLOT SCALE = 50.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14				CONTRACT NO. 61F37	
	PLOT DATE = 9/15/2016	REVISED -T. RAMMACHER 01-06-00	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: NONB/A	SHEET 1 OF 1 SHEETS	STA.	TO STA.				



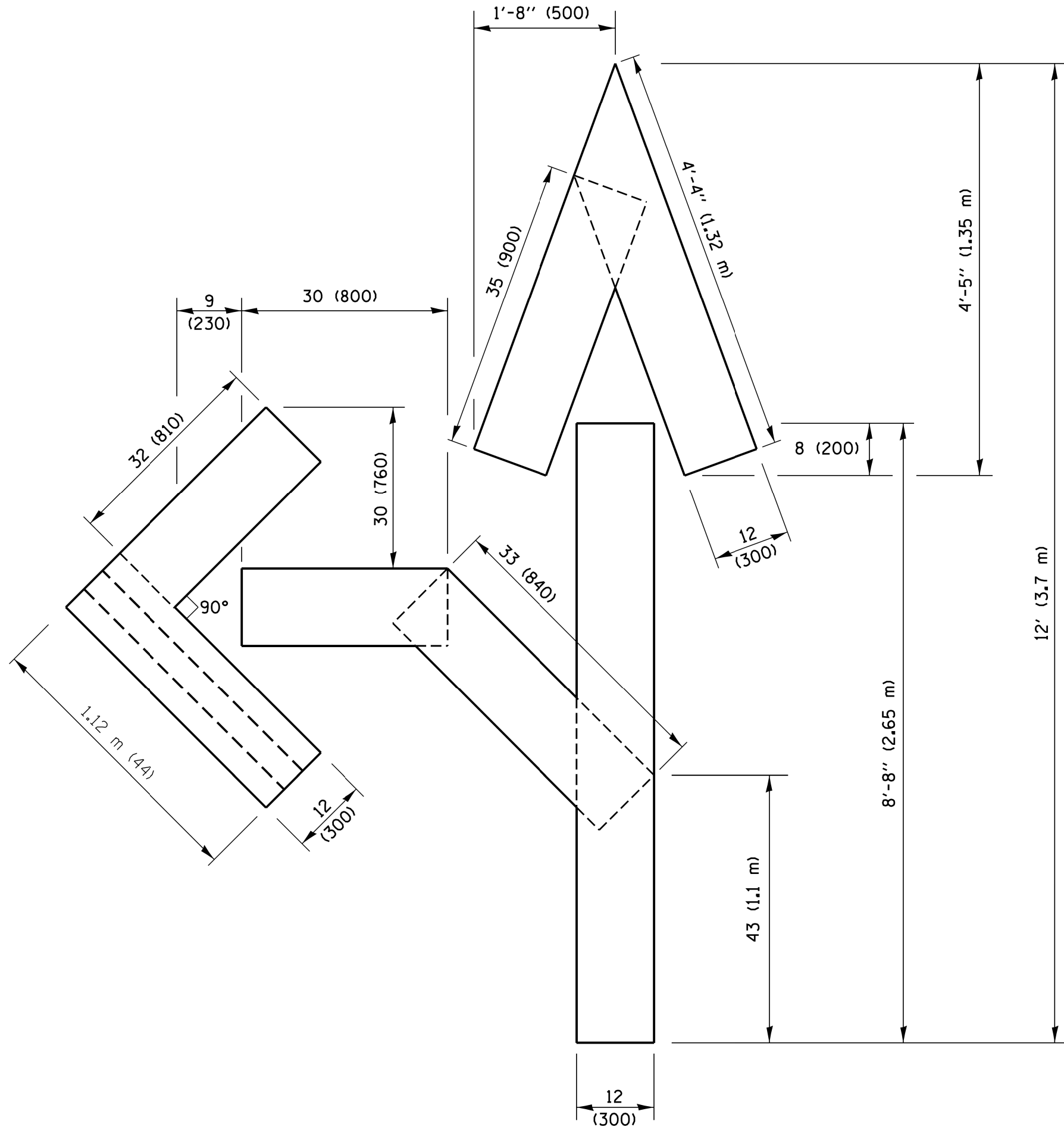
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

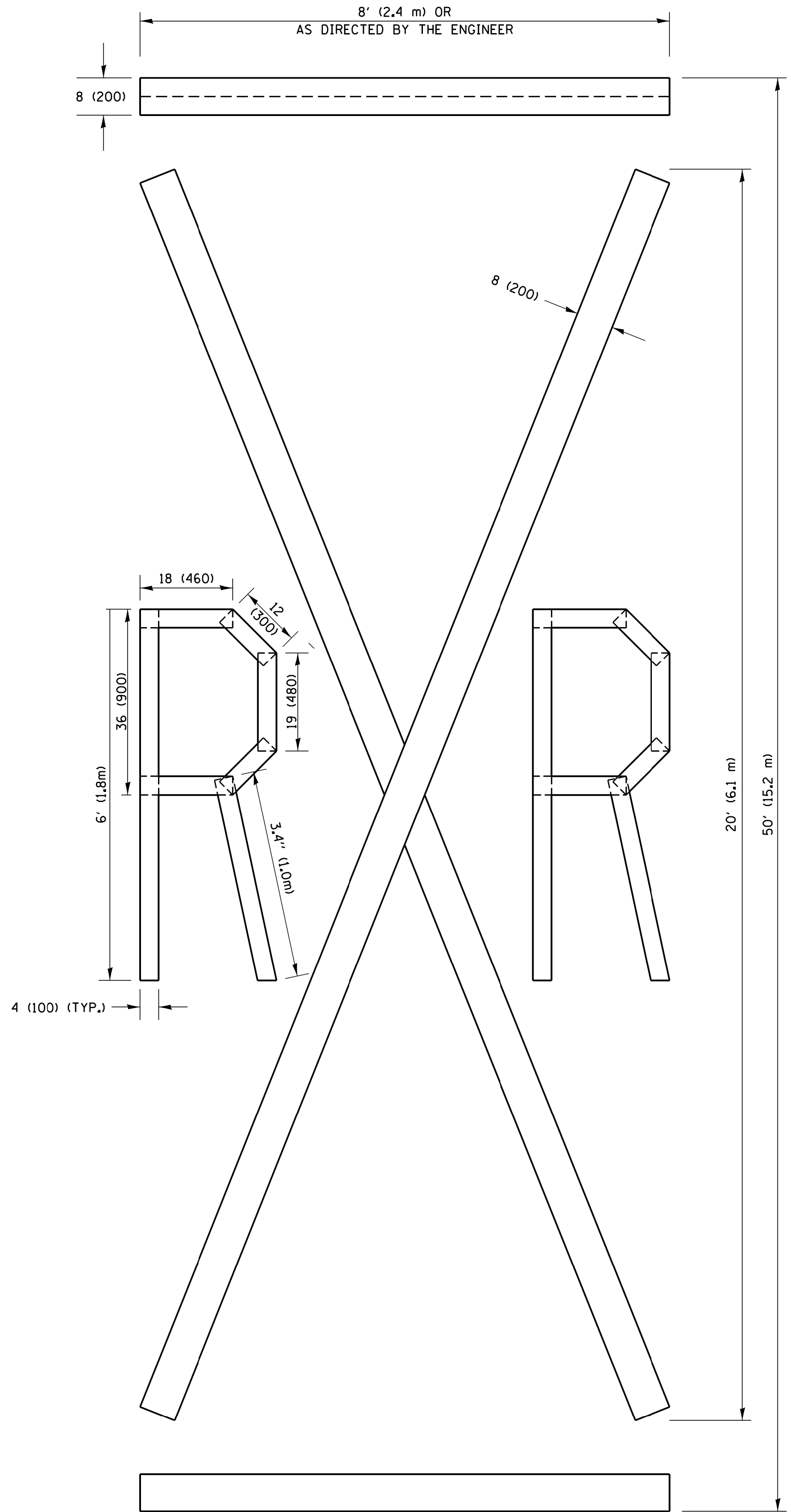


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.

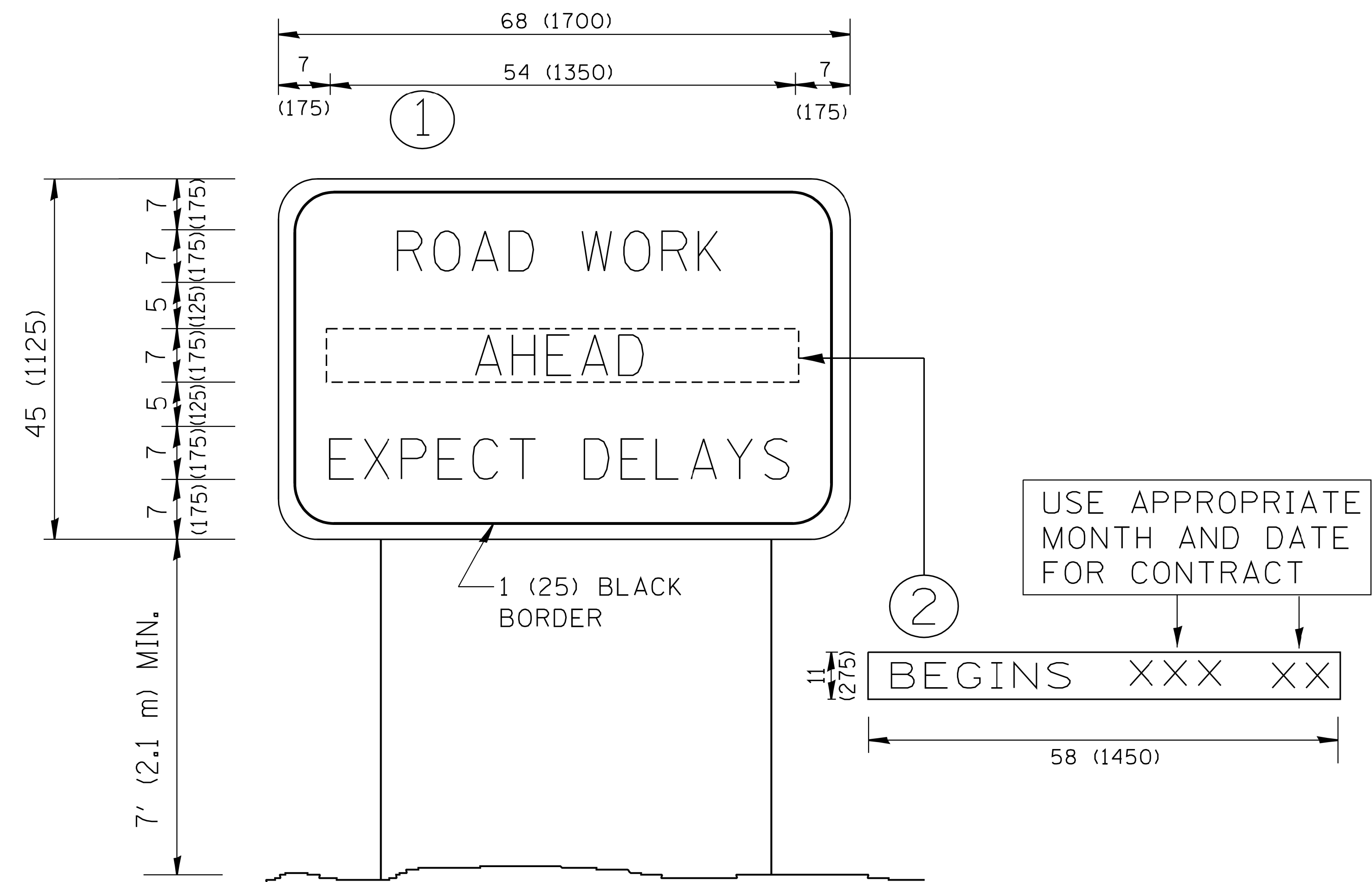


QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = p:\11\084EBID\INTEG\illinois.gov\PWIDOT\Documents\IDOT_Offices\District 1\Projects\District 1\CADData\CADsheets\c16.dgn	USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACHER 03-02-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN	REVISED -E. GOMEZ 08-28-00						0029	05-00167-01-TL	COOK	86	76
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -E. GOMEZ 08-28-00		TC-16				CONTRACT NO. 61F37				
	PLOT DATE = 9/15/2016	DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16		SCALE: NONB/A	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

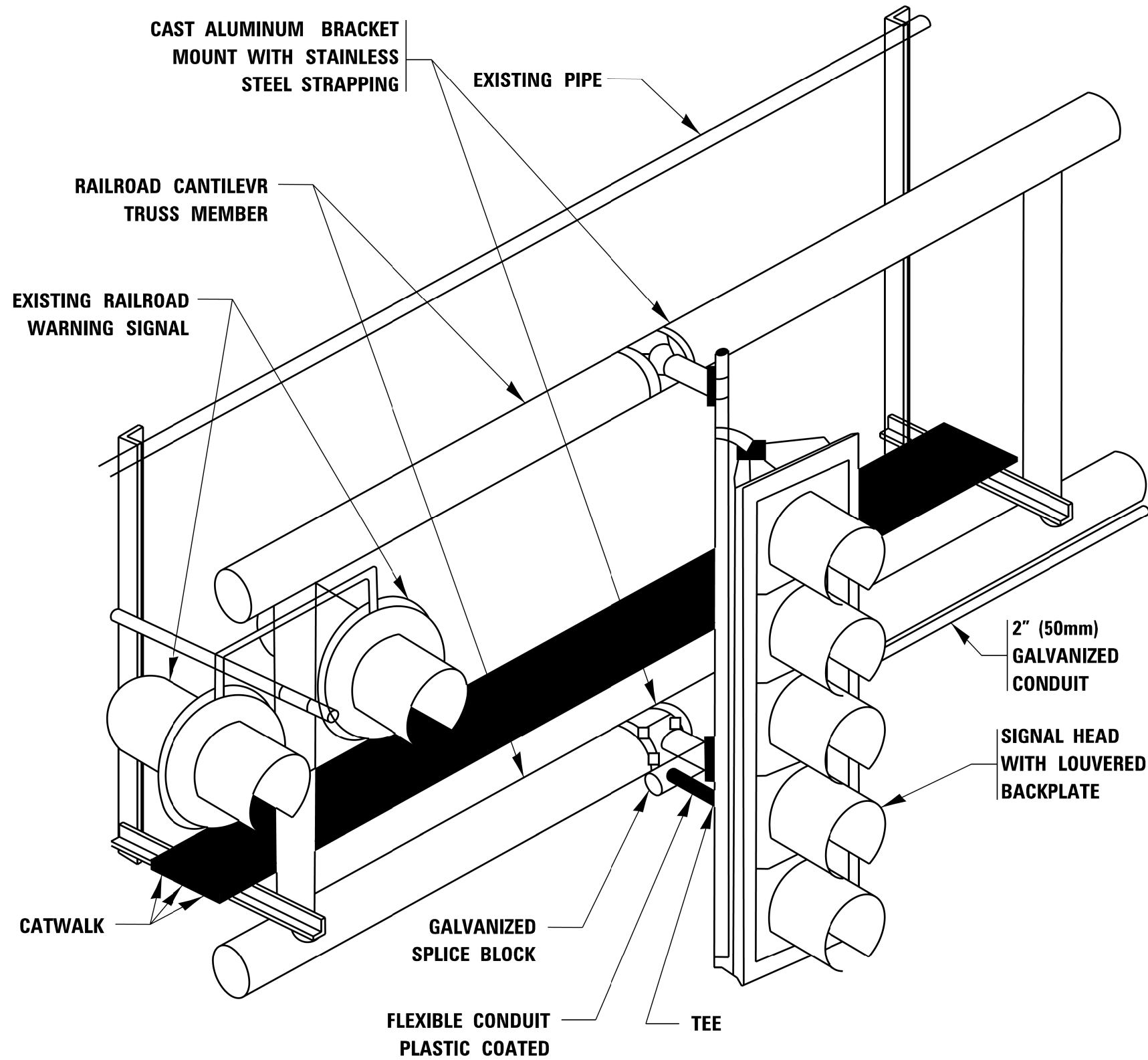


NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\to22.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97					0029	05-00167-01-TL	COOK	86	77
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99					TC-22		CONTRACT NO. 61F37		
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONB/A	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



RAILROAD CANTILEVER SIGNAL HEAD MOUNTING

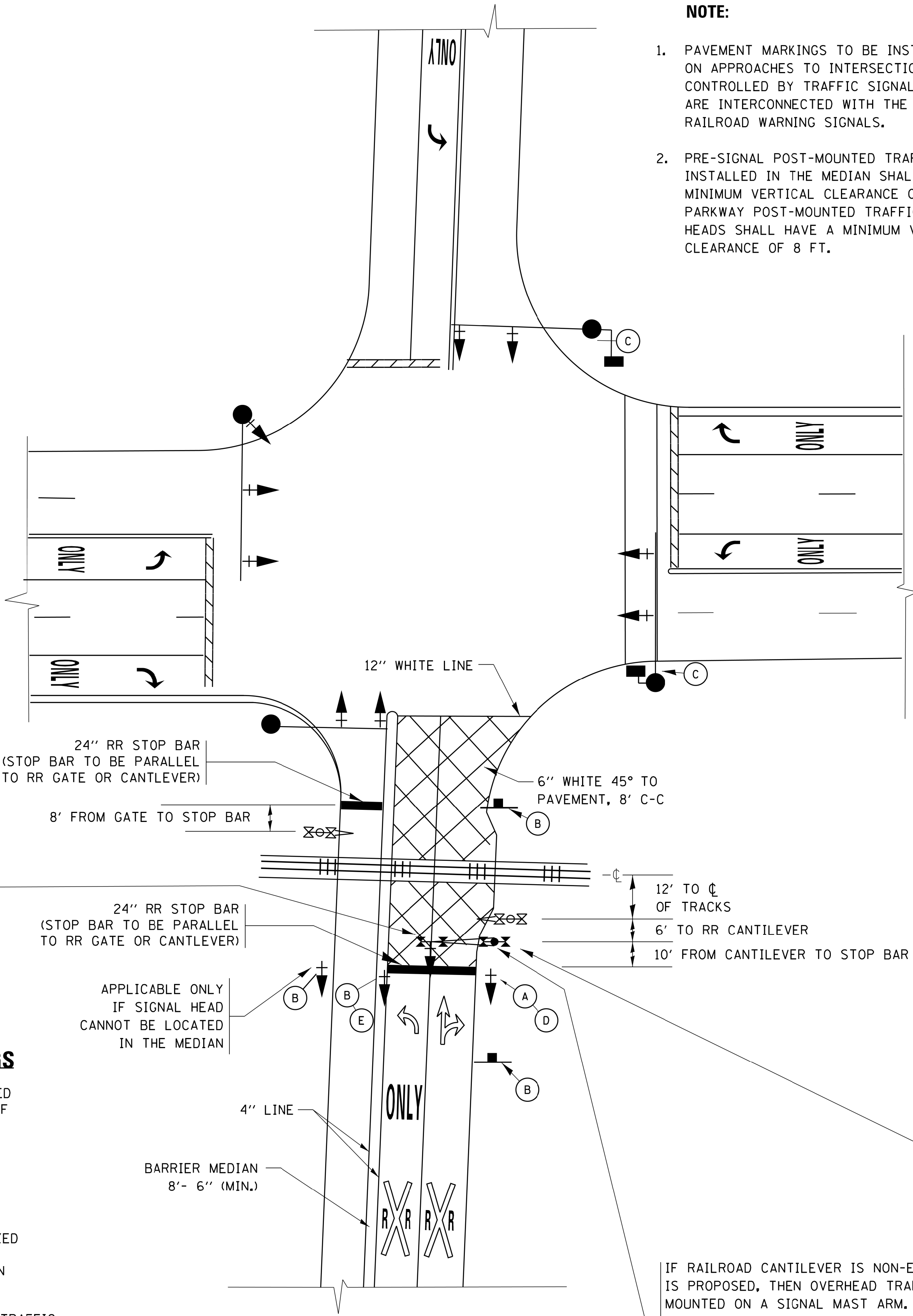
USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION
N.T.S.

SIGNING AND PAVEMENT MARKING AT RAILROAD CROSSINGS

SIGNING AND PAVEMENT MARKING TRAFFIC CONTROL STANDARD (TC-23) HAS BEEN DEVELOPED IN CONSULTATION WITH THE ILLINOIS COMMERCE COMMISSION AND THE U.S. DEPARTMENT OF TRANSPORTATION'S GRADE CROSSING SAFETY TASK FORCE. THIS STANDARD PROVIDES INFORMATION ON UPDATES TO THE PAVEMENT MARKING AND SIGNING DETAILS IN ORDER TO INCORPORATE CHANGES ADOPTED IN THE 2009 NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD). THESE NEW DETAILS HAVE BEEN STUDIED AND TESTED BY THE DEPARTMENT AND ACCEPTED BY THE ILLINOIS COMMERCE COMMISSION.

THIS APPLIES TO PROJECTS WHICH INCLUDE RAILROAD INTERCONNECTED TRAFFIC SIGNALS, WITH OR WITHOUT PRE-SIGNALS. THIS STANDARD ALSO APPLIES TO NON-SIGNALIZED INTERSECTIONS THAT ARE WITHIN 81 FEET OF A RAILROAD GRADE CROSSING. THE ILLINOIS SUPPLEMENT TO THE MUTCD SHOULD BE CONSULTED FOR ADDITIONAL INFORMATION ON SIGN REQUIREMENTS AT NON-SIGNALIZED INTERSECTIONS NEAR RAILROAD GRADE CROSSINGS.

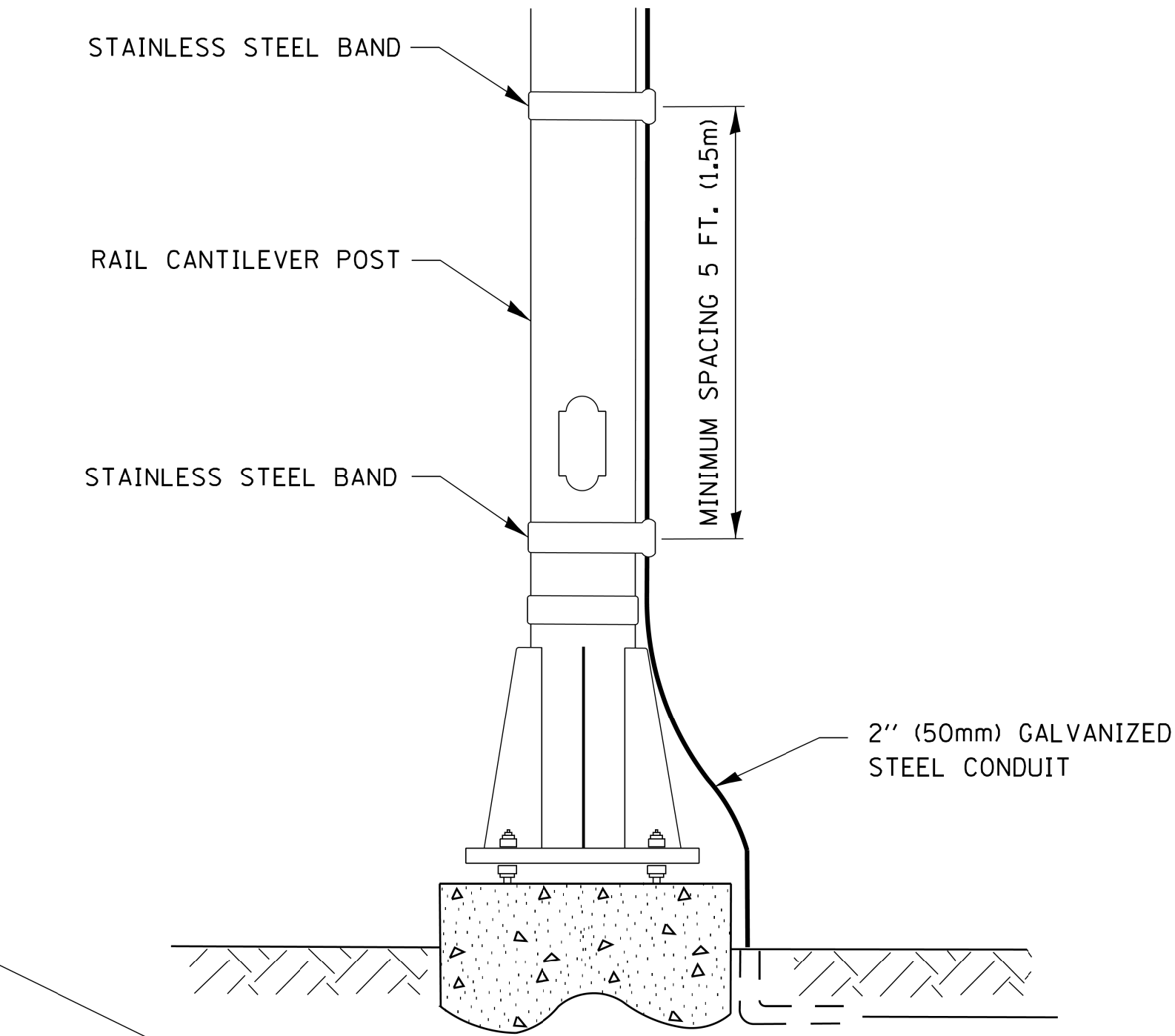
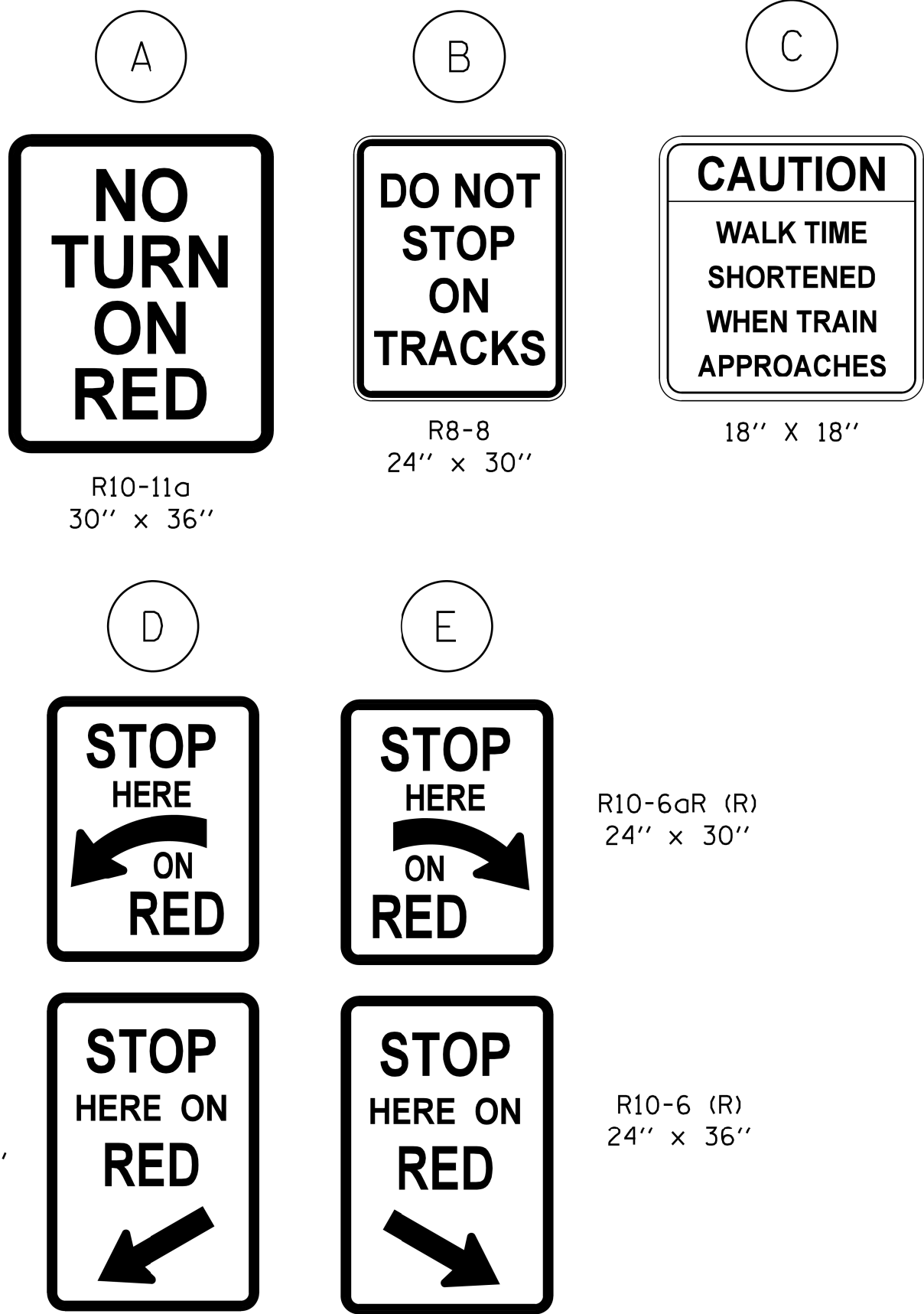
THESE DETAILS WILL BE INCLUDED IN A FUTURE UPDATE TO THE BUREAU OF OPERATIONS TRAFFIC POLICIES AND PROCEDURES MANUAL.



SIGNALIZED INTERSECTION WITH NEAR-SIDE TRAFFIC SIGNAL

NOTE:

- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- PRE-SIGNAL POST-MOUNTED TRAFFIC SIGNAL HEADS INSTALLED IN THE MEDIAN SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 4.5 FT. PARKWAY POST-MOUNTED TRAFFIC SIGNAL HEADS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 8 FT.



SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL

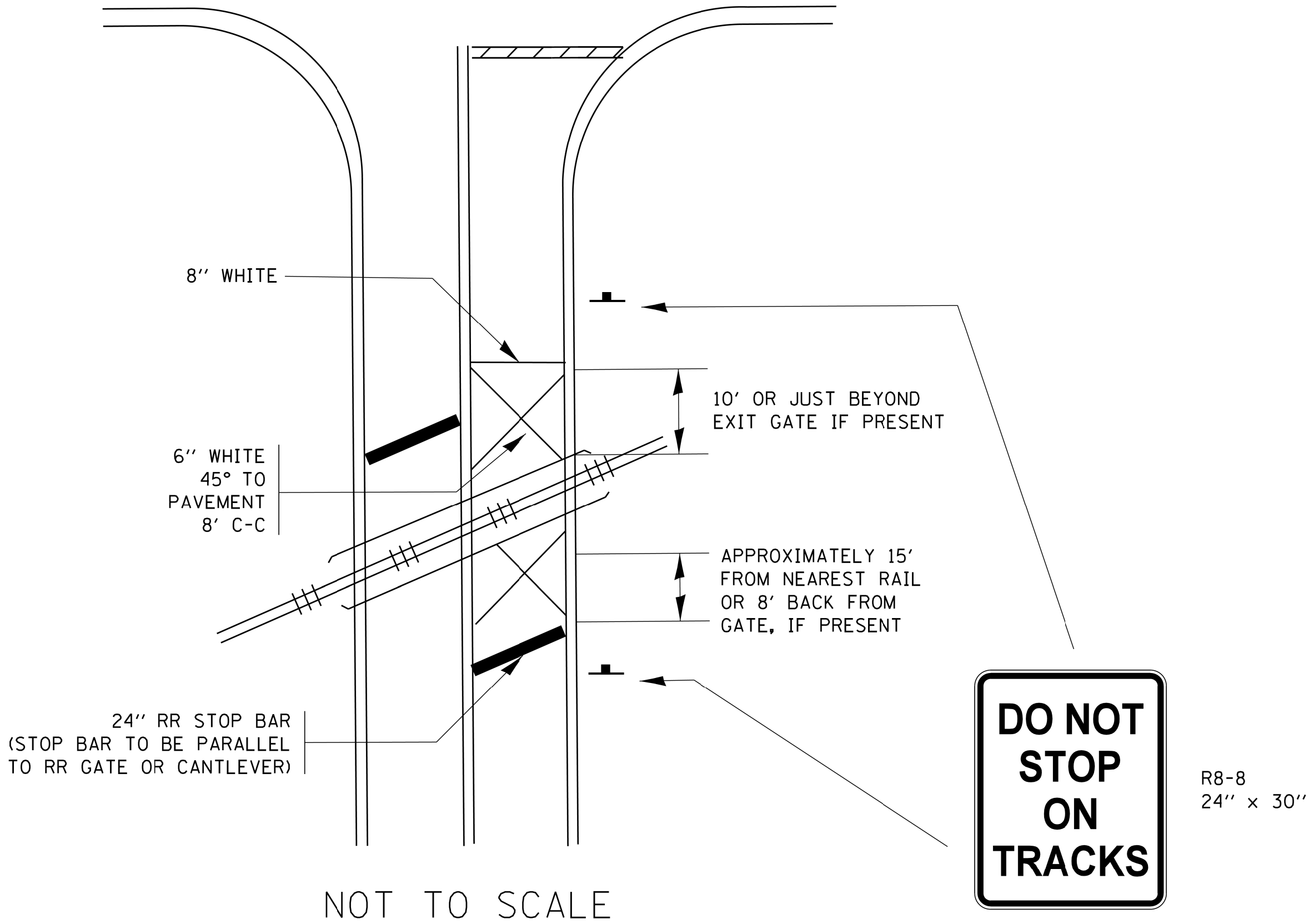
USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - 02-25-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
p:\IL084EBID\INTEG\illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\Dist 1\CD\CD\CADData\CADsheets\tc23.dgn		DRAWN	REVISED - 04-26-12						0029	05-00167-01-TL	COOK	86	78		
	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - A.R. 07-11-16						TC-23					CONTRACT NO. 61F37	
Default	PLOT DATE = 1/3/2017	DATE -	REVISED -						SCALE: NONB/A					SHEET 1	OF 2

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING
TREATMENT FOR RAILROAD CROSSINGS

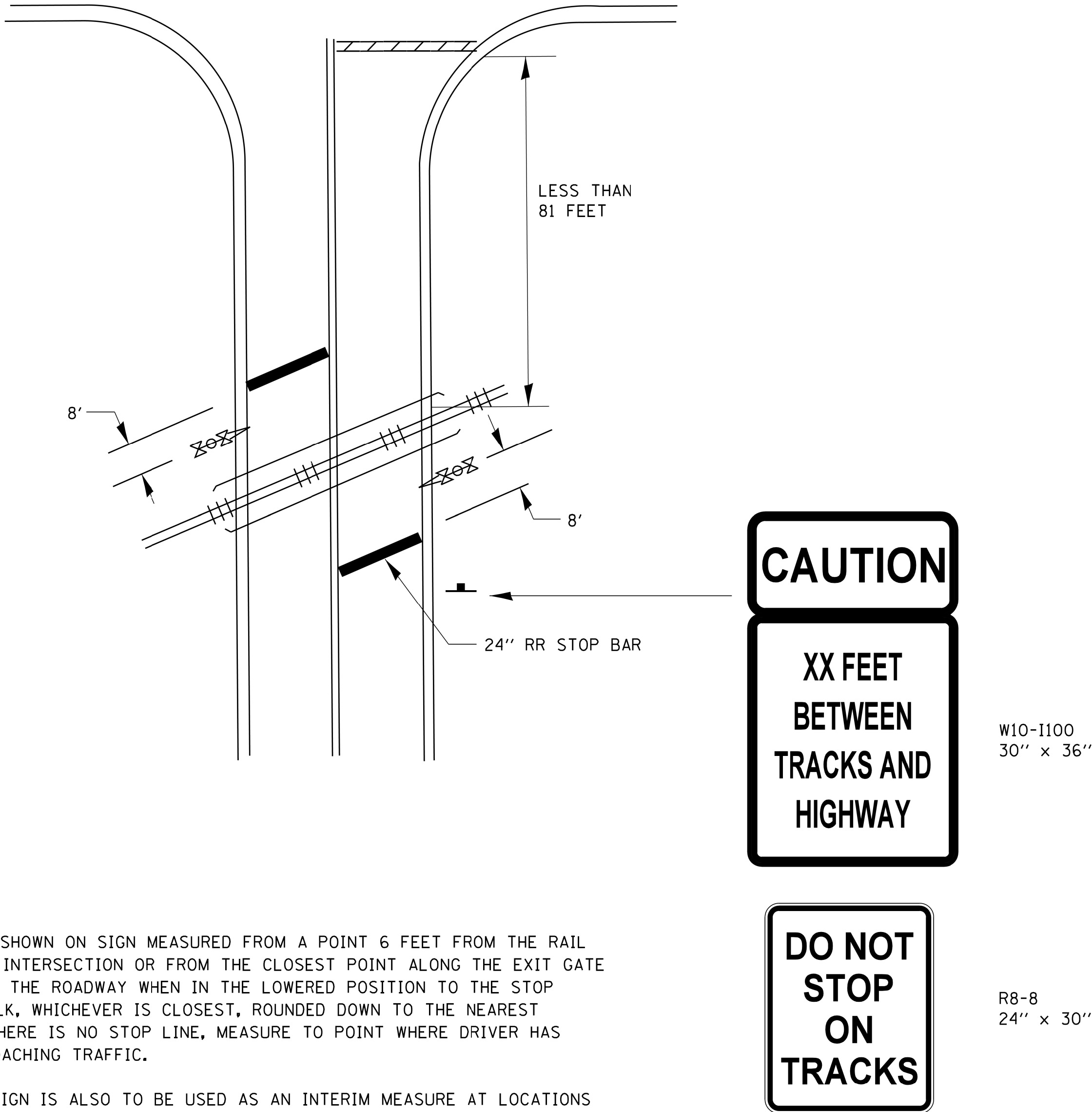
WITH SIGNALIZED INTERSECTION



NOTE:

- 1. PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- 2. WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION. (SEE DETAIL FOR PRE-SIGNALS).

WITH NON-SIGNALIZED INTERSECTION
81' OR LESS TO CLOSEST RAIL



NOTE:

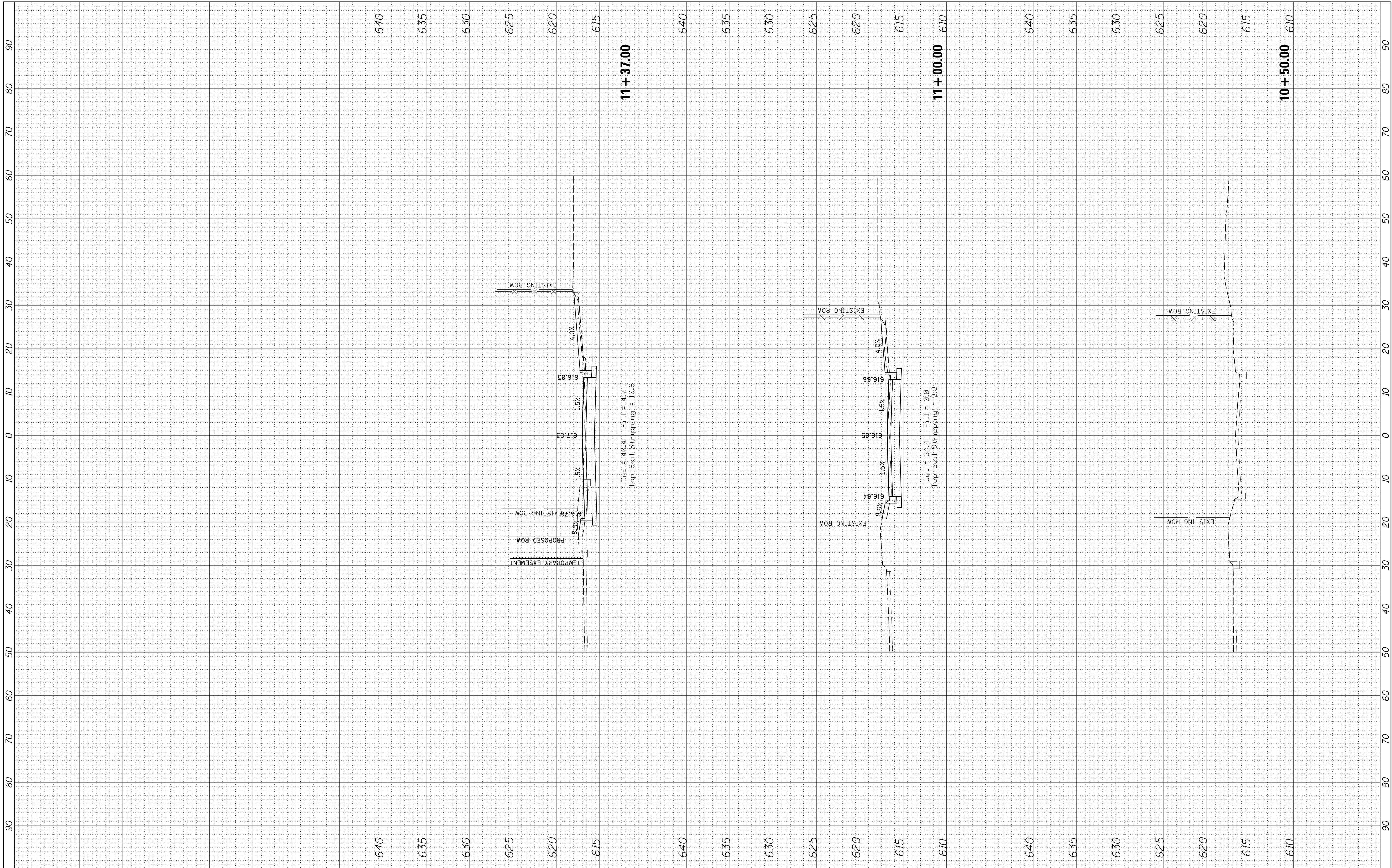
- 1. DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- 2. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKING EXTEND TO THE INTERSECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - 02-25-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\j\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\084EBIDINTEG\CADDData\CADsheets\c23.dgn	DRAWN -	REVISED - 04-26-12			0029	05-00167-01-TL	COOK	86	79				
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - A.R. 07-11-16		TC-23					CONTRACT NO. 61F37			
Default	PLOT DATE = 1/3/2017	DATE -	REVISED -		SCALE: NONB/A				SHEET 2	OF 2	SHEETS	STA.	TO STA.

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____ TEMPLATE _____ AREAS _____ AREAS CHECKED _____		
NOTE BOOK			
NO. _____			

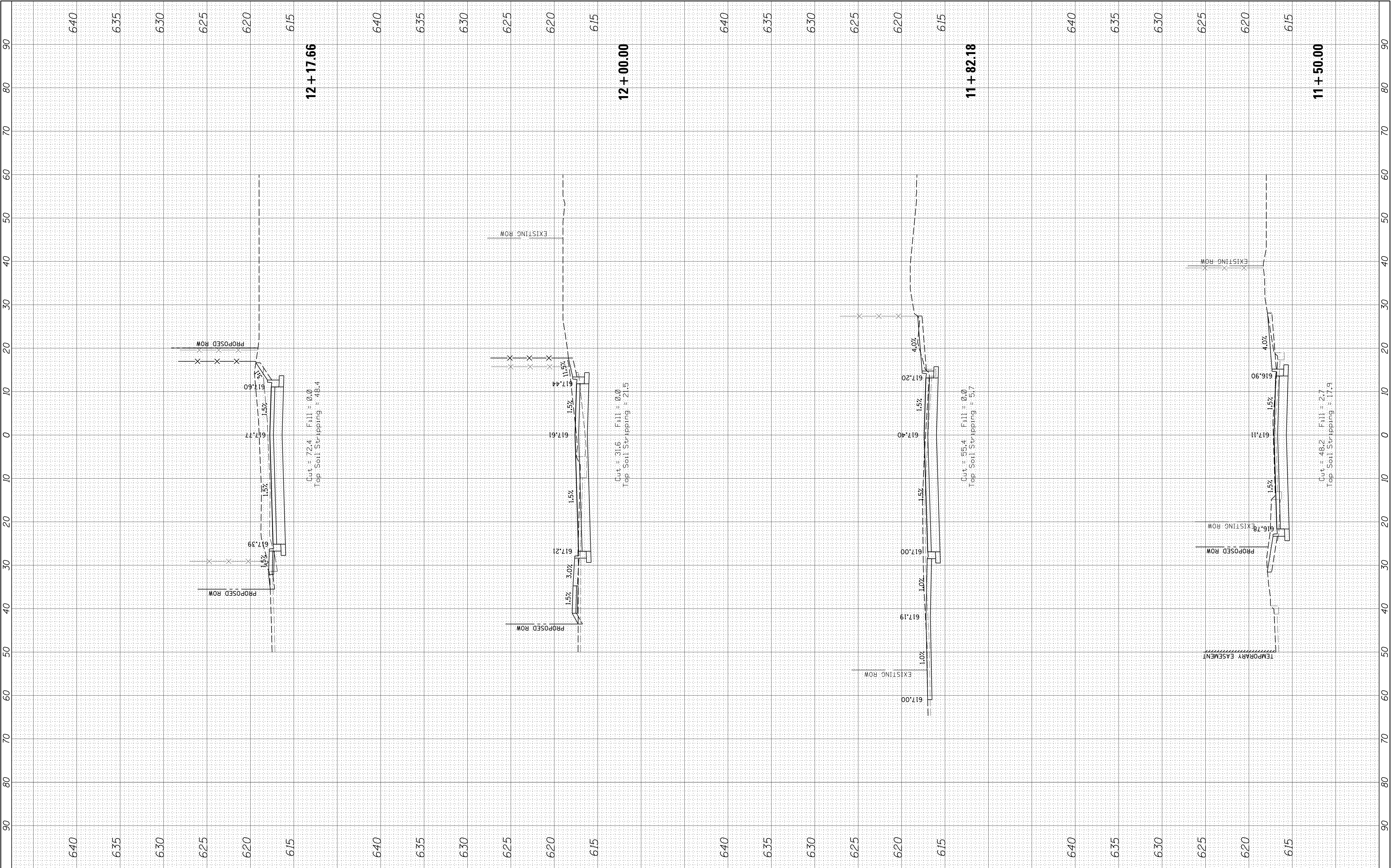
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NO. _____			



FILE NAME =	USER NAME = wbloftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MUSEUM DRIVE CROSS SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\OakLawn\160482\Civil\Stage1\XFS-Museum-160482.Stage1.sht		DRAWN -	REVISED -						0029	05-00167-01-TL	COOK	86	80
	PLOT SCALE = 10'	CHECKED -	REVISED -		CONTRACT NO. 61F37								
Default	PLOT DATE = 4/8/2019	DATE -	REVISED -										
				SCALE:	SHEET	OF	SHEETS	STA. 10+50.00	TO STA. 11+37.00	ILLINOIS FED. AID PROJECT			

FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

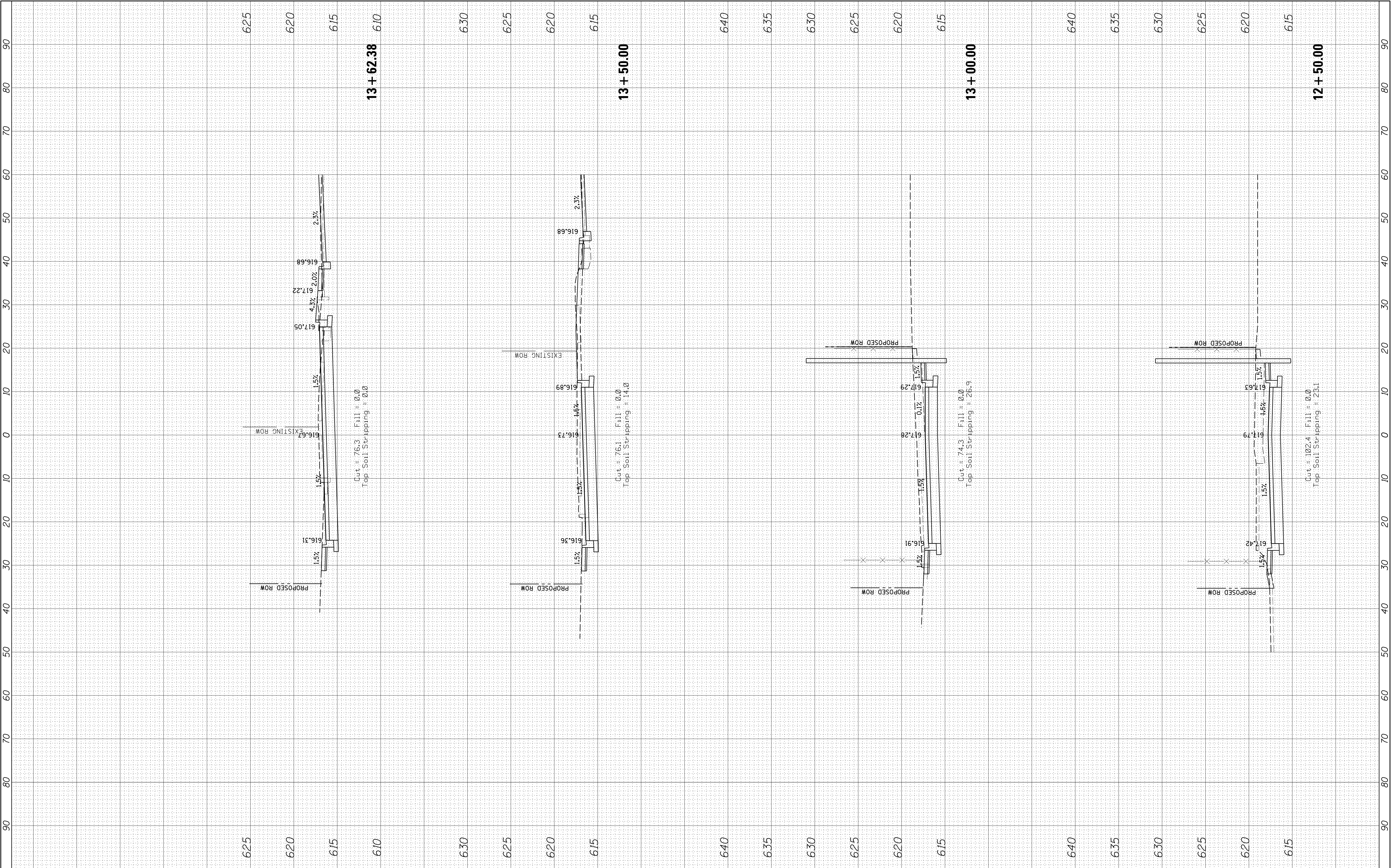
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Default	PLOT DATE = 4/8/2019	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
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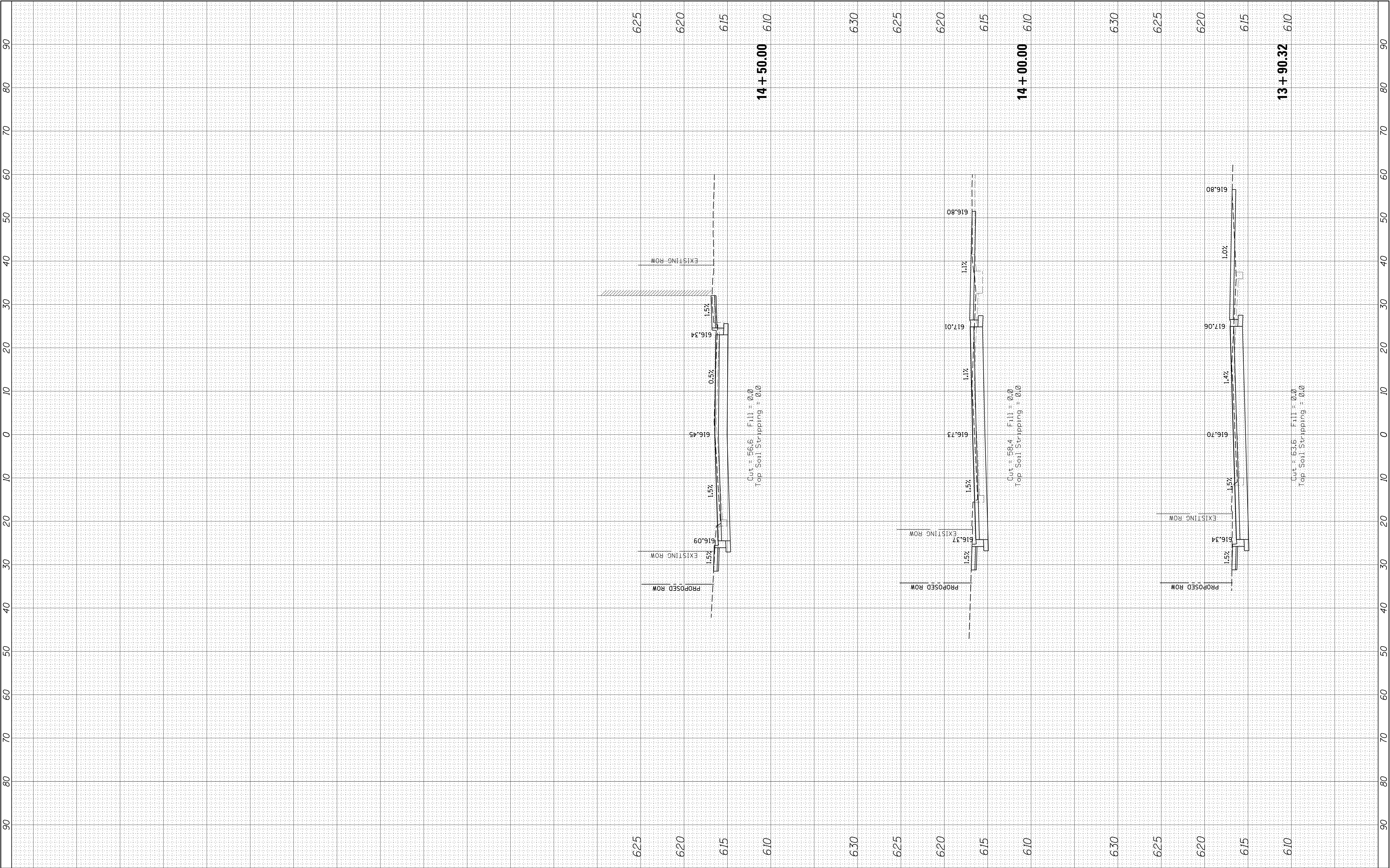
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ORIGINAL SURVEY	SURVEYED PLOTTED NOTE BOOK	BY	DATE



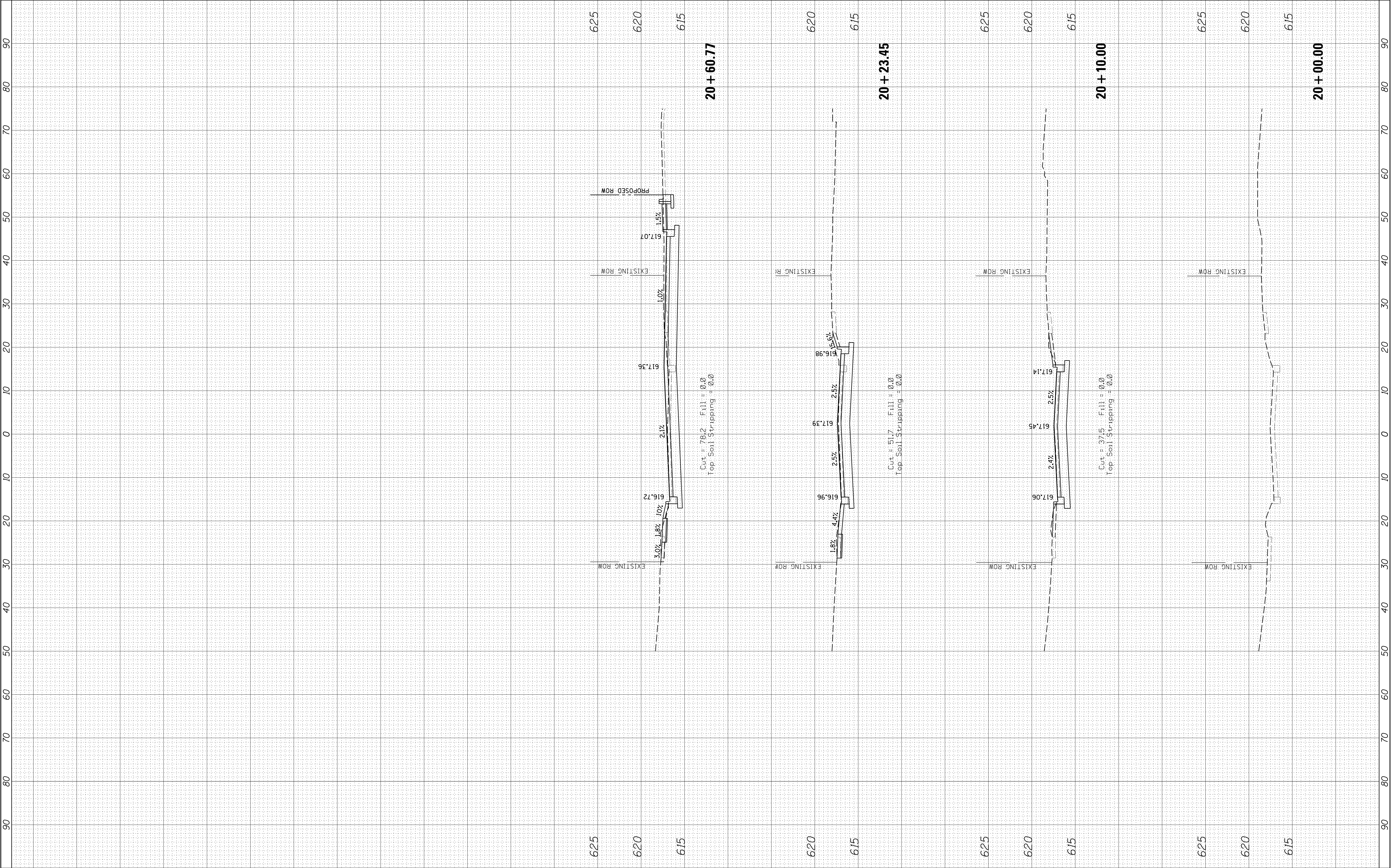
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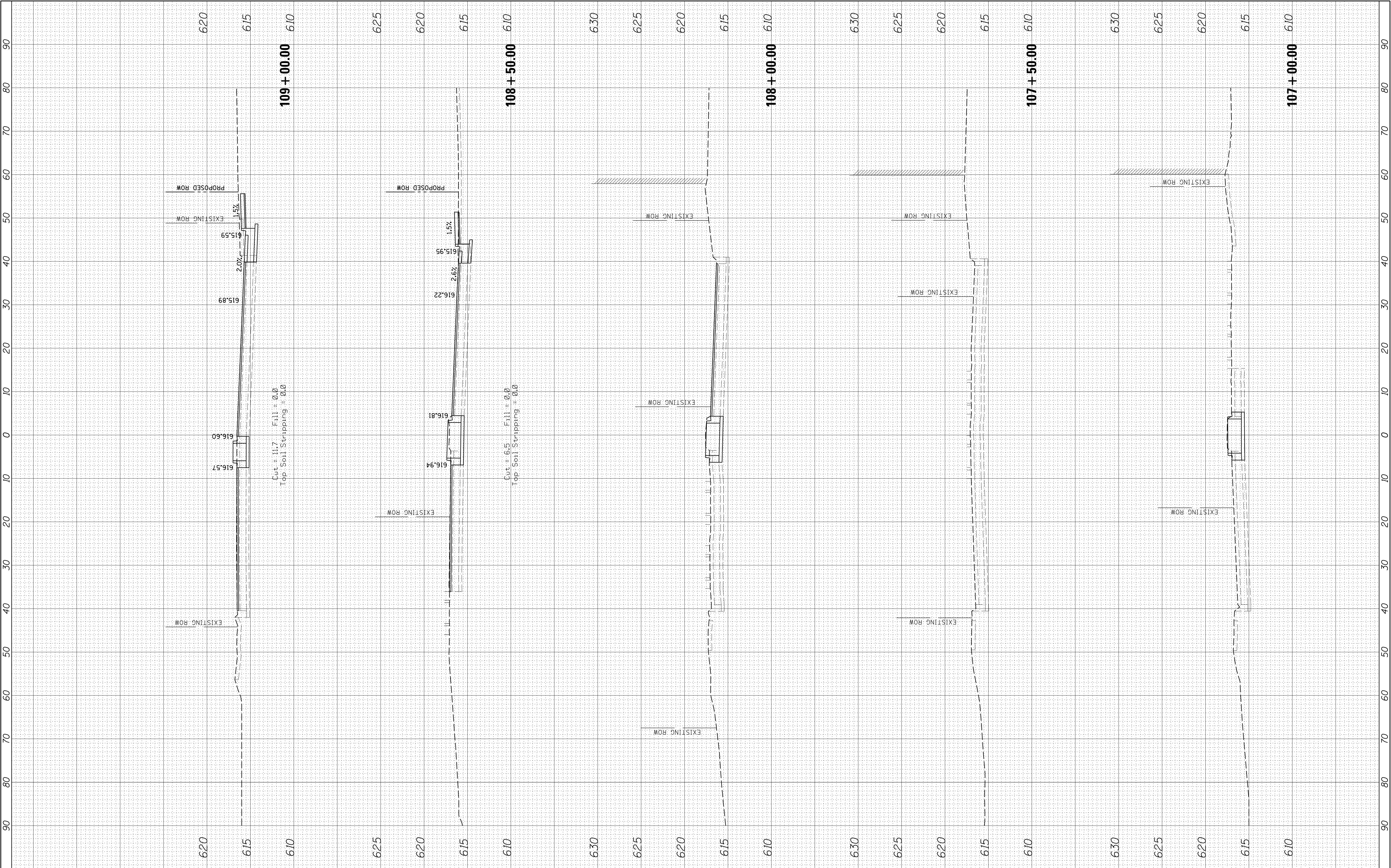
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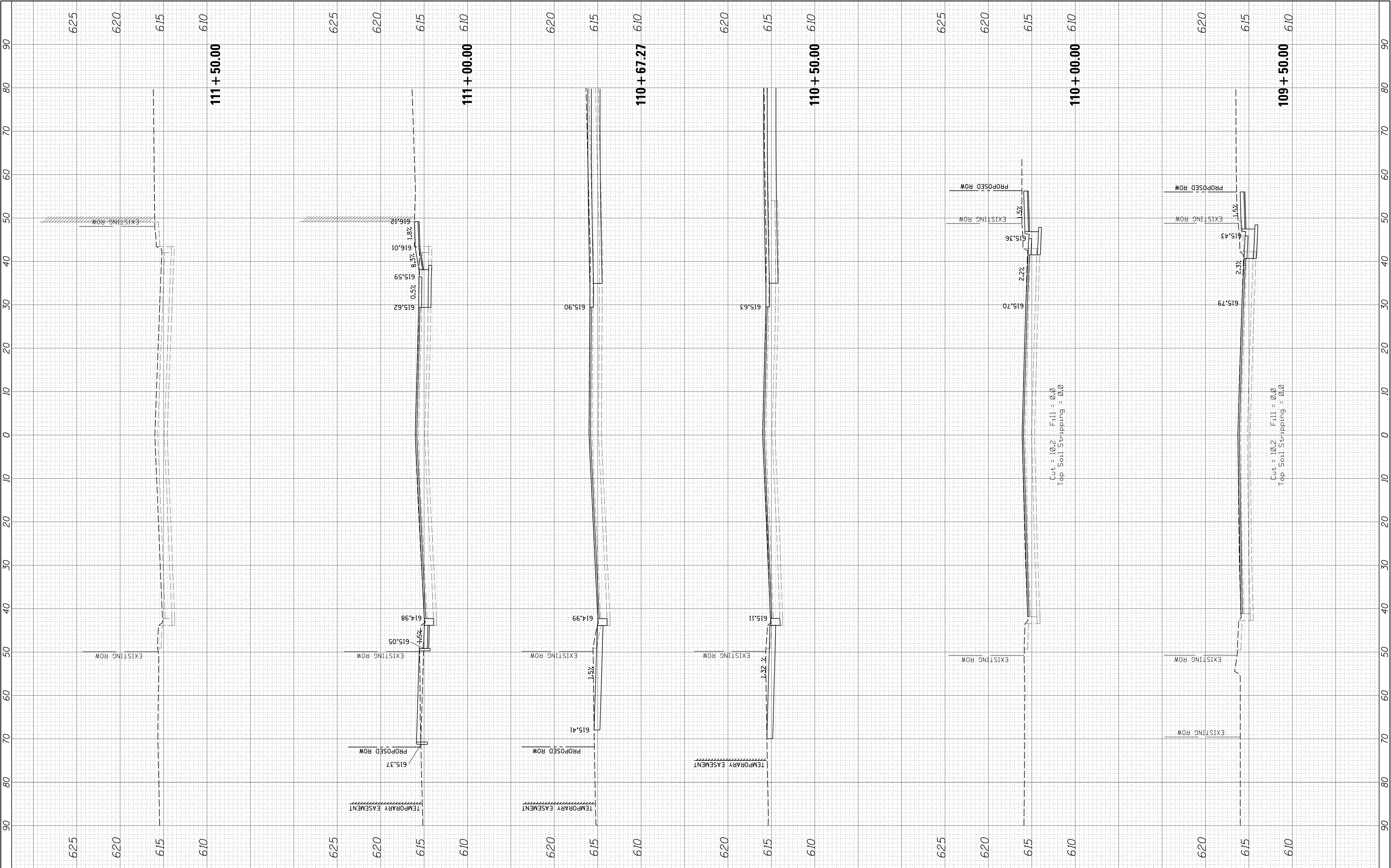
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FILE NAME =	USER NAME = wbloftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	95TH STREET CROSS SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 4/8/2019	DATE -	REVISED -						SCALE:	SHEET	OF	SHEETS	STA. 107+00.00

FINAL SURVEY NOTE BOOK NO.	SURVEYED _____		BY _____	DATE _____
	PLOTTED _____			
	TEMPLATE _____			
	AREAS _____			
AREAS CHECKED _____				

ORIGINAL SURVEY NOTE BOOK NO.	BY _____		DATE _____
	SURVEYED _____		
	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



FILE NAME =	USER NAME = wbioftus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	95TH STREET CROSS SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 10'		CHECKED -	REVISED -		CONTRACT NO. 61F37								
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