

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	1

CONTRACT NO. 61A30

INDEX OF SHEETS 01-20-2017 LETTING ITEM 149

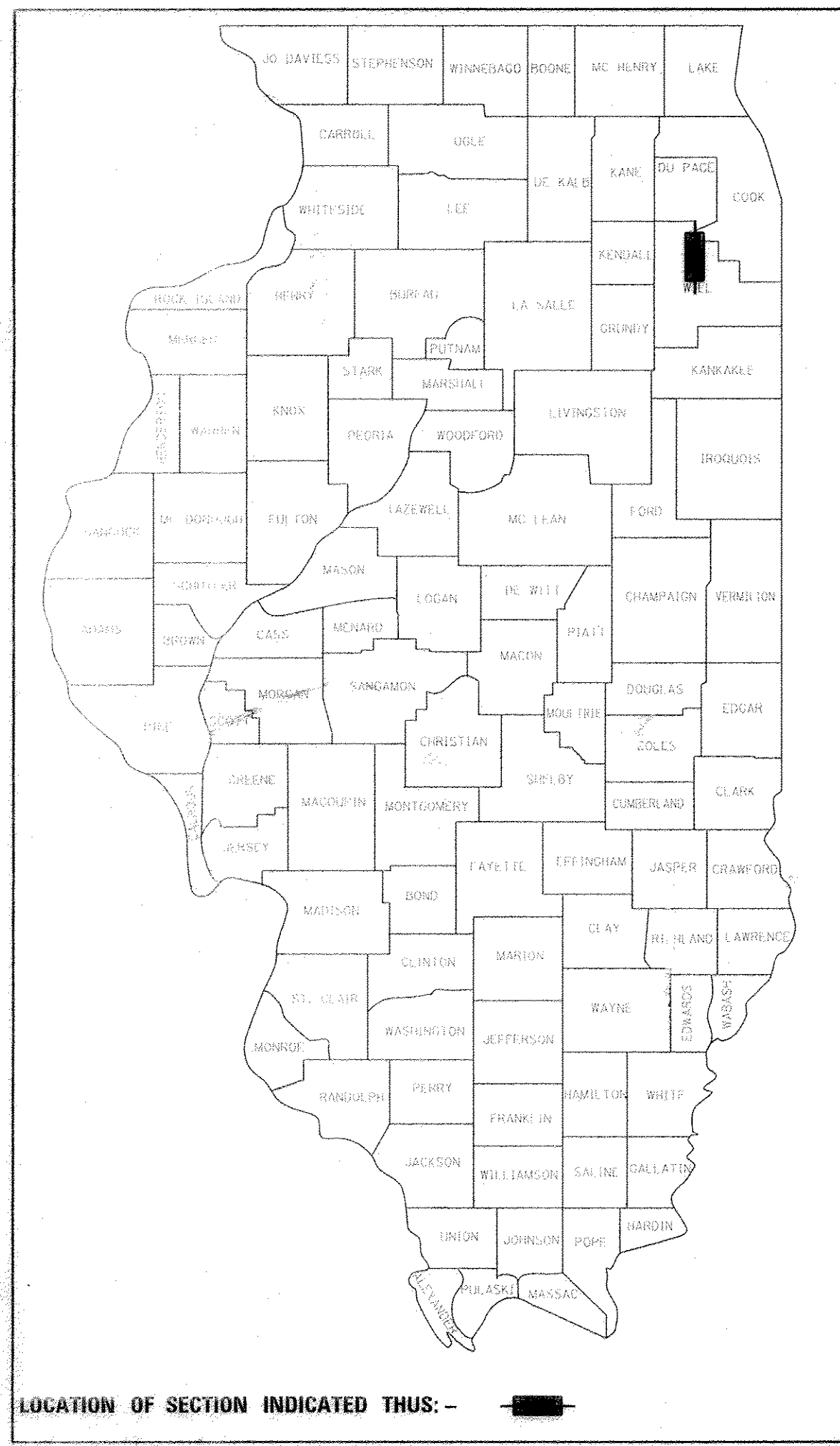
SHEET	DESCRIPTION
1	COVER SHEET, INDEX OF SHEETS
2	GENERAL NOTES, IDOT STANDARDS
3 - 9	SUMMARY OF QUANTITIES
10	TYPICAL SECTIONS- EXISTING
11 - 13	TYPICAL SECTIONS- PROPOSED
14 - 16	SCHEDULES OF QUANTITIES
17 - 18	ALIGNMENT, TIES, AND BENCHMARKS
19 - 23	REMOVAL PLANS
24 - 31	ROADWAY PLAN AND PROFILES
32 - 40	SUGGESTED CONSTRUCTION STAGING PLANS
41 - 45	LANDSCAPING AND EROSION CONTROL PLANS
46 - 53	DRAINAGE AND UTILITY PLAN AND PROFILES
54 - 61	PLAT OF HIGHWAYS
62	INTERSECTION DETAILS
63 - 64	PAVEMENT MARKING AND SIGNING PLANS
65 - 70	TRAFFIC SIGNAL PLANS AND DETAILS (95TH ST. AT PLAINFIELD-NAPERVILLE RD.)
71 - 77	IDOT DISTRICT 1 TRAFFIC SIGNAL DETAILS
78 - 92	LIGHTING PLANS AND DETAILS
93 - 111	STRUCTURAL PLANS - SPRING BROOK BRIDGE
112 - 115	STRUCTURAL PLANS - RETAINING WALLS AT DETENTION POND
116 - 121	NOISE ABATEMENT WALL PLANS
122 - 134	CONSTRUCTION DETAILS
135 - 136	SOIL BORING LOCATION PLANS
137 - 158	CROSS SECTIONS - 95TH STREET
159 - 179	CROSS SECTIONS - PLAINFIELD-NAPERVILLE ROAD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

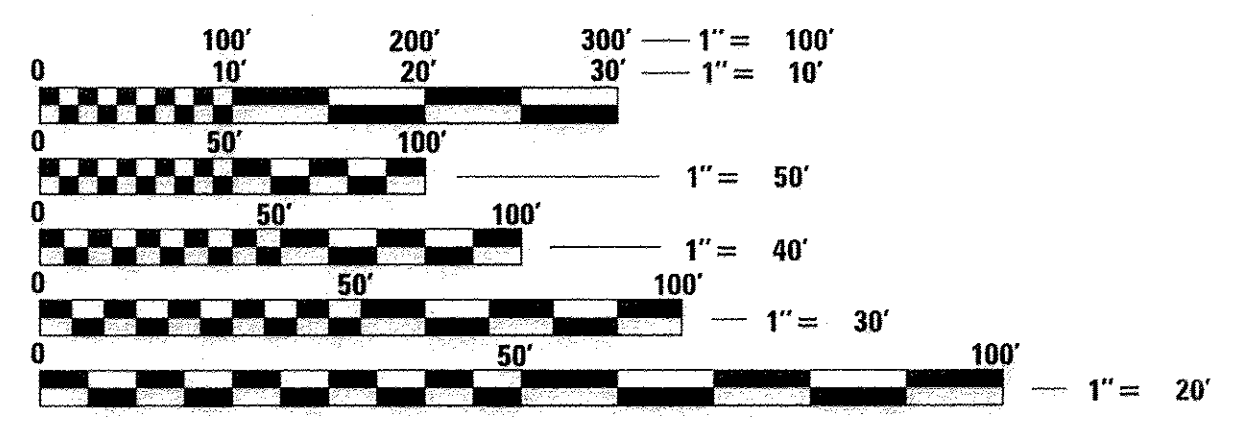
FAU RTE 1644 (CH 89 95th STREET)
95th STREET AT PLAINFIELD-NAPERVILLE ROAD
INTERSECTION
SECTION 12-00181-01-FP
PROJECT RS-0197(125)
WILL COUNTY
JOB NO: C-91-103-13

PROJECT LOCATED IN
CITY OF NAPERVILLE



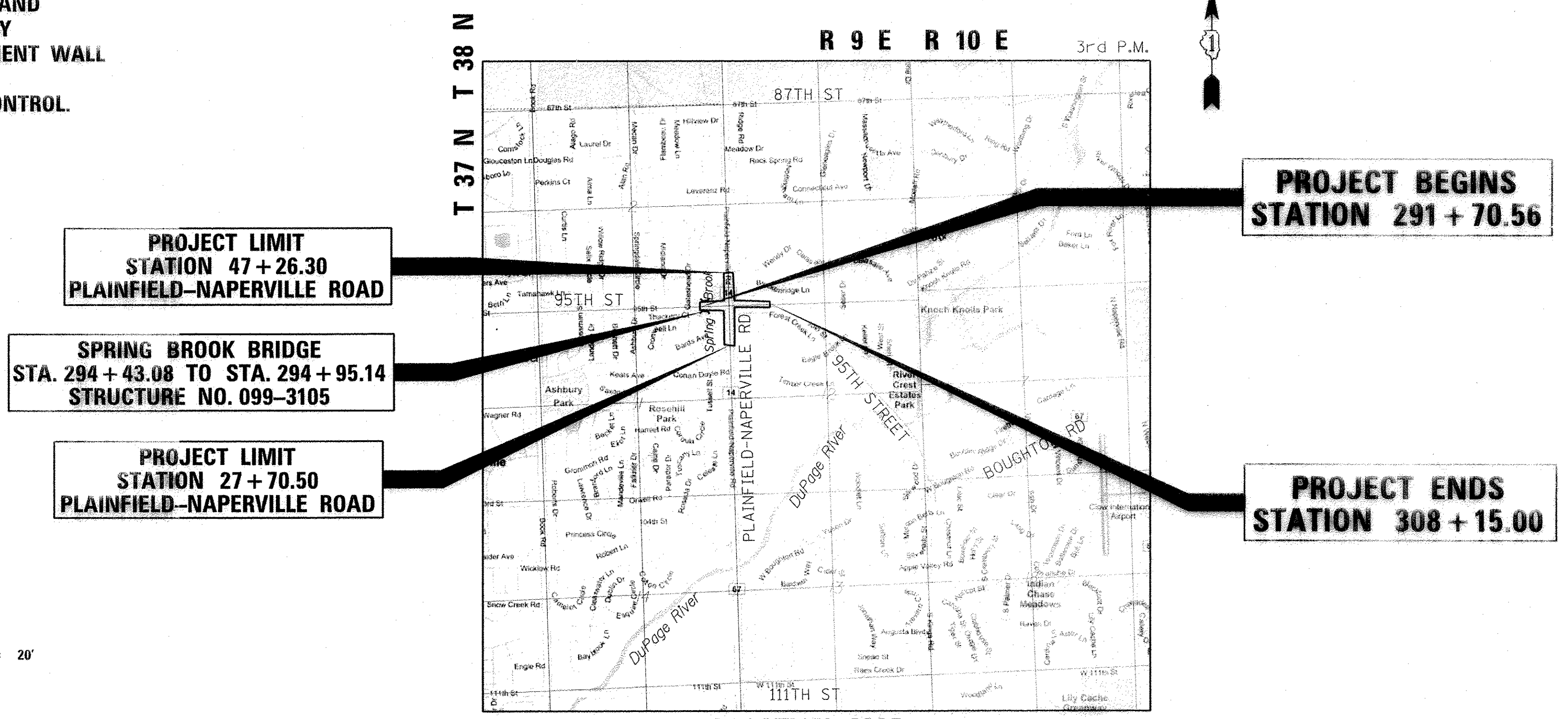
PROPOSED IMPROVEMENT: NEW CONSTRUCTION AND RECONSTRUCTION OF HOT-MIX ASPHALT ROADWAY PAVEMENT, BRIDGE CONSTRUCTION, NOISE ABATEMENT WALL CONSTRUCTION, STORM SEWER, TRAFFIC SIGNALS, STREET LIGHTING, LANDSCAPING, AND EROSION CONTROL.

TRAFFIC DATA - POSTED SPEED (DESIGN SPEED)	
95TH STREET=	40 MPH (45 MPH)
PLAINFIELD-NAPERVILLE ROAD =	45 MPH (45 MPH)
DESIGN DESIGNATION	
95TH STREET	
1900 (32) ARTERIAL 1.85 (FD-20)	
CURRENT ADT (2012) = 12,400	
STRUCTURAL ADT (2022) = 14,950	
PLAINFIELD-NAPERVILLE ROAD	
2600 (32) ARTERIAL 2.68 (FD-20)	
CURRENT ADT (2012) = 17,600	
STRUCTURAL ADT (2022) = 21,700	



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	
DESIGN DIG NO. A1372782:	T37N R9E: SW¼ SEC 1; SE¼ SEC 2; NE¼ SEC 11; N½ SEC 12
DESIGN DIG NO. A1372786:	T37N R9E: SE¼ SEC 12; NE¼ SEC 13
	T37N R10E: SW¼ SEC 7; NW¼ SEC 18



PROJECT LIMIT
STATION 47 + 26.30
PLAINFIELD-NAPERVILLE ROAD

SPRING BROOK BRIDGE
STA. 294 + 43.08 TO STA. 294 + 95.14
STRUCTURE NO. 099-3105

PROJECT LIMIT
STATION 27 + 70.50
PLAINFIELD-NAPERVILLE ROAD

PROJECT BEGINS
STATION 291 + 70.56

PROJECT ENDS
STATION 308 + 15.00

VERTICAL CONTROL DATUM IS NGVD 29 AND BENCHMARKS APPLY TO THIS PLAN SET ONLY.

PROJECT LENGTH	GROSS	NET
95TH STREET PLAINFIELD-NAPERVILLE ROAD	1,644.44 FT 1,955.80 FT	1,644.44 FT 1,955.80 FT
TOTAL NET PROJECT LENGTH	3,600.24 FT (0.69 MILES)	3,600.24 FT (0.69 MILES)

Professional Engineer Seal for James R. Push, P.E., License No. 062-048136, Expires November 30, 2017.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Approved JANUARY 31 20 16
Will County Engineer
WILL COUNTY ENGINEER

Passed FEBRUARY 17 20 16
Christopher Holt
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

Releasing for Bid
Based on Limited
Review FEBRUARY 17, 20 16
Deputy Director
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PLANS PREPARED BY:
AECOM
AECOM TECHNICAL SERVICES, INC.
303 E. WACKER DRIVE, SUITE 1400
CHICAGO, ILLINOIS 60601-5276
PH. 312-373-1700

PROGRAM AND OFFICE ENGINEER: Charles F. Riddle (847) 705-4406 Schaumburg, IL

CONTRACT NO. 61A30

GENERAL NOTES

STATE STANDARDS

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016. (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED APRIL 1, 2016; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS; THE "DETAILS" ON THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES.
- ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, FIRE DEPARTMENTS AND THE VILLAGE OF BOLINGBROOK AND CITY OF NAPERVILLE ENGINEERING AND PUBLIC WORKS DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. REDUCED SIZED PLANS CAN BE PRINTED TO SCALE FOR USE IN THE FIELD.
- BENCHMARKS FOR THE PROJECT ARE DESCRIBED IN THE PLANS. ALL BEARINGS AND COORDINATES REFERENCED IN THE PLAN DRAWINGS AND ALL CONTROL COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2007). ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).
- ALL COUNTY ROW MONUMENTATION (BOUNDARY CORNERS) SHALL BE ACCORDING TO ARTICLE 1.7.13 OF THE PERMIT REGULATIONS UTILIZING THE "WCDOT MONUMENTATION STANDARD". WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED EACH LOCATION. THE CONTRACTOR SHALL RESET ALL SURVEY MARKERS, CONTROL POINTS AND TIES DISTURBED DURING CONSTRUCTION. THIS WORK SHALL BE PAID FOR AS "SECTION CORNER MARKERS".
- IN COMPLIANCE WITH THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (I.E.P.A.) FOR A CONSTRUCTION PROJECT WHICH DISTURBS ONE ACRE OR MORE TOTAL LAND AREA, THE CONTRACTOR SHALL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN AS CONTAINED IN THE CONTRACT DOCUMENT.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- PORTABLE/CHANGEABLE ELECTRONIC MESSAGE BOARDS SHALL BE USED IN ADVANCE OF THE PROJECT ACCORDING TO IDOT STANDARDS AND SHALL BE IN PLACE A MINIMUM OF 72 HOURS PRIOR TO COMMENCING THE WORK AND REMAIN THROUGHOUT THE ROADWAY CONSTRUCTION WORK.
- CONSTRUCTION TRAFFIC SHALL OBEY ALL LOAD POSTING LIMITS ON ALL HAUL ROADS.
- WARNING SIGNS (OVERHEAD ELECTRIC) SHALL BE PLACED AT LOCATIONS OF OVERHEAD ELECTRIC LINES CROSSING THE ROADWAY. SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE ITEMS OF WORK BEING PERFORMED.
- WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL USE THE FOLLOWING METHOD TO ALLAY DUST AND PREVENT A NUISANCE WITHIN THE LIMITS OF THE CONSTRUCTION SITE. DUST SHALL BE CONTROLLED BY THE UNIFORM APPLICATION OF SPRINKLED WATER AND SHALL BE APPLIED ONLY WHEN DIRECTED BY THE ENGINEER, IN A MANNER MEETING HIS APPROVAL. CALCIUM CHLORIDE SHALL NOT BE USED FOR THIS PURPOSE. ALL EQUIPMENT USED FOR THIS WORK SHALL MEET WITH THE ENGINEER'S APPROVAL. THIS WORK SHALL CONSIST OF THE EXCLUSIVE CONTROL OF DUST RESULTING FROM CONSTRUCTION OPERATIONS AND IS NOT INTENDED FOR USE IN THE COMPACTION OF EARTH EMBANKMENTS, AS SPECIFIED UNDER ARTICLE 205.06 OF THE STANDARD SPECIFICATIONS. NO EXTRA COMPENSATION SHALL BE ALLOWED THE CONTRACTOR FOR THIS WORK.
- THE CONTRACTOR SHALL KEEP EXISTING ADJACENT STREETS CLEAN OF DIRT, MUD, AND OTHER DEBRIS AND, WHEN NECESSARY, CLEAN SAID PAVEMENTS ON A DAILY BASIS OR WHEN DIRECTED BY THE ENGINEER. NO EXTRA COMPENSATION SHALL BE ALLOWED THE CONTRACTOR FOR THIS WORK.
- THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. DEBRIS AND ANY SURPLUS MATERIAL SHALL BE REMOVED AND RESTORATION SHALL PROCEED AS THE WORK PROCEEDS. IF THE ENGINEER SO DIRECTS, THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP. DEBRIS AND SURPLUS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT AN APPROVED OFF-SITE DISPOSAL AREA.
- EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM THE LOCAL AGENCIES, OWNERS, AND FIELD SURVEYS. THE ACCURACY AND COMPLETENESS OF SAID INFORMATION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE, NATURE AND EXACT LOCATIONS OF ALL UTILITY LINES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENTS.
- THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER. THE COST OF MAINTAINING DRAINAGE FLOWS SHALL BE INCLUDED IN THE CONTRACT.
- LENGTHS AND SIZES OF EXISTING STORM SEWERS AS SHOWN ON THE PLANS SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF PROPOSED DRAINAGE ITEMS. THE INVERTS OF PROPOSED DRAINAGE ITEMS CONNECTING TO EXISTING SEWERS OR STRUCTURES MAY REQUIRE REVISIONS TO MEET EXISTING FIELD CONDITIONS. ANY ADJUSTMENTS SHALL BE AS DIRECTED BY THE ENGINEER.

- EMBANKMENTS SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER PRIOR TO EXCAVATION FOR STORM SEWER.
- THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY TO THE STRUCTURES TO SET THE FRAME AND GRATES IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE; ELEVATION INDICATES RIM GRADES.
- THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER, OR DISCONNECTING USING PLUGS SHALL BE INCLUDED IN THE COST OF STORM SEWER BEING CONNECTED.
- STORM SEWER, WATER MAIN REQUIREMENTS IS TO BE USED AT LOCATIONS WHERE:
 - HORIZONTAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10-FEET AND THE WATER MAIN INVERT IS LESS THAN 18-INCHES ABOVE THE STORM SEWER CROWN;
 - OR WHEN WATER MAIN CROSSES OVER STORM SEWER AND THE WATER MAIN INVERT IS LESS THAN 18-INCHES ABOVE THE STORM SEWER CROWN;
 - OR WHEN WATER MAIN CROSSES UNDER STORM SEWER AND THE WATER MAIN CROWN IS GREATER THAN 18-INCHES UNDER THE STORM SEWER THE STORM SEWER SHALL BE ENCASED IN WATER MAIN QUALITY PIPE.
- ADJUSTMENTS/RECONSTRUCTION MAY REQUIRE TOP CONE/FLAT SLAB TOP TO BE ROTATED SO STRUCTURE COVER LINES UP WITH CURB OPENING OR CLOSED COVER AVOIDS CURB.
- FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 WILL NOT BE ALLOWED.
- PIPE UNDERDRAINS TYPE 2 SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED 6" BELOW THE PROPOSED SUBGRADE OR AS DEEP AS POSSIBLE. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PROPOSED PIPE UNDERDRAINS.
- ACCESS TO EXISTING BUSINESSES AND RESIDENCES FROM 95TH STREET, AND PLAINFIELD-NAPERVILLE ROAD SHALL BE MAINTAINED AT ALL TIMES DURING THE COURSE OF THE PROJECT.
- TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARDS SPECIFICATIONS.
- THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGED DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- TEMPORARY FENCE SHALL BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. THE RESIDENT ENGINEER SHALL INSPECT AND APPROVE THE PLACEMENT OF ALL TEMPORARY FENCING PRIOR TO CONSTRUCTION. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
- TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING OF TREES SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING OF THE TREES HAS OCCURRED.
- ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL, ETC...) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS.
- "AGGREGATE SUBGRADE IMPROVEMENT" AND "GEOTECHNICAL FABRIC FOR GROUND STABILIZATION" HAVE BEEN PROVIDED FOR IN THE CONTRACT QUANTITIES. THE ACTUAL NEED FOR THE REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT AND GEOTECHNICAL FABRIC WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHALL BE TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITIES SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- 10-FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE ITEM OF WORK SPECIFIED.
- A PROOF ROLL OF THE SUBGRADE IS REQUIRED PRIOR TO PLACING THE AGGREGATE SUB-BASE AND MUST BE OBSERVED BY A CERTIFIED TESTING COMPANY. NOTIFY THE ENGINEER PRIOR TO DOING THE PROOF ROLL.
- THE CONTRACTOR SHALL MAKE ALL FULL DEPTH SAW CUTS REQUIRED FOR THE REMOVAL OF PAVEMENTS, CONCRETE CURB AND GUTTERS, SIDEWALKS AND DRIVEWAYS AS SPECIFIED, OR AS DIRECTED BY THE ENGINEER. THE COST SHALL BE CONSIDERED INCLUDED IN THE COST FOR REMOVAL OF THE SPECIFIED ITEM IN THE CONTRACT.
- IN AREAS OF PROPOSED PAVEMENT WIDENING LESS THAN FOUR FEET (4') THE CONTRACTOR SHOULD CONSTRUCT CONCRETE WIDENING MONOLITHICALLY WITH THE CURB AND GUTTER TO AN ELEVATION NOT EXCEEDING THE MILLED ELEVATION OF THE PAVEMENT. THIS WIDENING AREA WILL BE COMPENSATED AS HMA PAVEMENT AS DESIGNATED IN THE PLANS CALCULATED AT 112 LBS/SQ YD/IN.
- ALL DISTURBED GROUND SHALL BE FERTILIZED AND SODDED OR RE-SEEDED (CLASS 2A) WITH EXCELSIOR BLANKET INSTALLED AS PER THE PLAN DOCUMENTS TO THE SATISFACTION OF THE ENGINEER.
- SOIL BORING ANALYSIS INDICATES THE PRESENCE OF GROUNDWATER WITHIN ELEVATIONS EXPECTED FOR EXCAVATION FOR ROADWAYS AND FOR UTILITIES. THE CONTRACTOR SHALL SUPPORT ALL EXCAVATIONS AND DE-WATER EXCAVATIONS TO SATISFACTORILY ACCOMPLISH ALL WORK SHOWN ON THE PLANS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DEWATERING AND BRACING EXCAVATIONS.

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
515001-03	NAME PLATE FOR BRIDGES
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602401-03	MANHOLE TYPE A
602601-04	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604091-03	FRAME AND GRATE TYPE 24
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-11	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-06	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
667101-02	PERMANENT SURVEY MARKERS
668001-01	U.S. GEOLOGICAL SURVEY AND NATIONAL GEODETIC SURVEY BENCHMARKS
	RESETTING METHOD
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720016-03	MAST ARM MOUNTED STREET NAME SIGNS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
877011-08	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-05	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

IDOT DISTRICT 1 STANDARDS

STANDARD NO.	DESCRIPTION
BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5M)
BD-02	DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15' (4.5M)
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-34	DETAILS FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY 1 SPL
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

FILE NAME = p:\VCD\DH-25367381_95\14\Drawings\Contract\14-Roadway\General\1\GenNo-std.dwg



USER NAME = james.push
 PLOT SCALE = 40.0001' / 1" = 400001
 PLOT DATE = 10/13/2016

DESIGNED - JRP
 DRAWN - MRF
 CHECKED - JRP
 DATE - 10/13/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES & STANDARDS

SCALE: NTS DRAWING NO. OF STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	2
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0004	0014	0021
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	95	95		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	87	87		
20101000	TEMPORARY FENCE	FOOT	1,149	1149		
* 20101200	TREE ROOT PRUNING	EACH	33	33		
20200100	EARTH EXCAVATION	CU YD	9,440	9440		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	6,160	6160		
20800150	TRENCH BACKFILL	CU YD	387	387		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,620	2620		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	12,180	12180		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	155	155		
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	155	155		
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	155	155		
* 25200110	SODDING, SALT TOLERANT	SQ YD	12,489	12489		
* 25200200	SUPPLEMENTAL WATERING	UNIT	25	25		
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	50	50		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	252	252		
28000400	PERIMETER EROSION BARRIER	FOOT	5,388	5388		

* DENOTES SPECIALTY ITEM

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0004	0014	0021
28000500	INLET AND PIPE PROTECTION	EACH	1	1		
28000510	INLET FILTERS	EACH	73	73		
28100105	STONE RIPRAP, CLASS A3	SQ YD	24	24		
28100107	STONE RIPRAP, CLASS A4	SQ YD	18		18	
28200200	FILTER FABRIC	SQ YD	24	24		
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1,740	1740		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	29,323	29323		
35101400	AGGREGATE BASE COURSE, TYPE B	TON	520	520		
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,387	2387		
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1,669	1669		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	220	220		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50	TON	213	213		
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	16,847	16847		
40701931	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/2"	SQ YD	31,684	31684		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	398	398		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	21,483	21483		
42400800	DETECTABLE WARNINGS	SQ FT	365	365		

* DENOTES SPECIALTY ITEM

FILE NAME = p:\V\CD3H_25367381_45th\Drawings\Contract\North\Roadway\General\Summery\QTY\summary.dgn



USER NAME = james.push
 PLOT SCALE = 40,0001" / in.
 PLOT DATE = 10/13/2016

DESIGNED - JRP
 DRAWN - MRF
 CHECKED - JRP
 DATE - 10/13/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NTS DRAWING NO. 1 OF 7 STA. TO STA.

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 3
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0004	0014	0021
44000100	PAVEMENT REMOVAL	SQ YD	30,048	30048		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	406	406		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	9,968	9968		
44000600	SIDEWALK REMOVAL	SQ FT	17,295	17295		
44003100	MEDIAN REMOVAL	SQ FT	3,222	3222		
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	223	223		
50102400	CONCRETE REMOVAL	CU YD	76.5		76.5	
50104000	BRIDGE RAIL REMOVAL	FOOT	103		103	
50200100	STRUCTURE EXCAVATION	CU YD	967	967		
50200300	COFFERDAM EXCAVATION	CU YD	414		414	
50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1		1	
50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1		1	
50201123	COFFERDAM (TYPE 2) (LOCATION - 3)	EACH	1		1	
50201124	COFFERDAM (TYPE 2) (LOCATION - 4)	EACH	1		1	
50201125	COFFERDAM (TYPE 2) (LOCATION - 5)	EACH	1		1	
50201126	COFFERDAM (TYPE 2) (LOCATION - 6)	EACH	1		1	
50300225	CONCRETE STRUCTURES	CU YD	347.5	200.0	147.5	

* DENOTES SPECIALTY ITEM

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0004	0014	0021
50300255	CONCRETE SUPERSTRUCTURE	CU YD	348.2		348.2	
50300260	BRIDGE DECK GROOVING	SQ YD	779		779	
50300285	FORM LINER TEXTURED SURFACE	SQ FT	3,582	3582		
50300300	PROTECTIVE COAT	SQ YD	1,149		1149	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	120,390	27230	93160	
* 50901720	BICYCLE RAILING	FOOT	81		81	
* 50901750	PARAPET RAILING	FOOT	81		81	
51500100	NAME PLATES	EACH	1		1	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	238	238		
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	15	15		
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	232	232		
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	34	34		
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	78	78		
55100400	STORM SEWER REMOVAL 10"	FOOT	90	90		
55100500	STORM SEWER REMOVAL 12"	FOOT	55	55		
55100700	STORM SEWER REMOVAL 15"	FOOT	12	12		
55101200	STORM SEWER REMOVAL 24"	FOOT	43	43		

* DENOTES SPECIALTY ITEM

FILE NAME: s:\V\CDOT_2016\7381_1514\Drawings\Contract\North\Roadway\General\Schematic.dwg

AECOM	USER NAME: james.pugh	DESIGNED: JRP	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 4
	PLLOT SCALE: 48,000' / 1" =	CHECKED: JRP	REVISED:			SCALE: NTS	DRAWING NO. 2 OF 7	STA. TO STA.	CONTRACT NO. 61A30	
	PLLOT DATE: 10/13/2016	DATE: 10/13/2016	REVISED:							

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0004	0014	0021
55101400	STORM SEWER REMOVAL 30"	FOOT	88	88		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	77		77	
60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	2,910	2910		
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	18	18		
60203905	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	4	4		
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3		
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2		
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	20	20		
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1		
60251740	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	1	1		
60255500	MANHOLES TO BE ADJUSTED	EACH	7	7		
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2		
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1		
60260100	INLETS TO BE ADJUSTED	EACH	8	8		
60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	2	2		
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	5	5		

* DENOTES SPECIALTY ITEM

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0004	0014	0021
60500040	REMOVING MANHOLES	EACH	2	2		
60500050	REMOVING CATCH BASINS	EACH	2	2		
60500060	REMOVING INLETS	EACH	26	26		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	7,451	7451		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	6,580	6580		
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	4,479	4479		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	725.0	725.0		
* 63000030	STRONG POST GUARDRAIL, ATTACHED TO CULVERT	FOOT	75.0	75.0		
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2		
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1	1		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3		
* 63200310	GUARDRAIL REMOVAL	FOOT	1,363	1363		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	7		
67100100	MOBILIZATION	LSUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	50	50		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	28	28		

* DENOTES SPECIALTY ITEM

FILE NAME = s:\VCD\04_25367281_95\A\Drawings\Contract\North Roadway\General\Schematic\Quantities.dwg

AECOM	USER NAME = james.pugh	DESIGNED - JRP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 5
	PLOT SCALE = 40,0000' / 1" =	DRAWN - MRF	REVISED -			SCALE: NTS	DRAWING NO. 3 OF 7	STA. TO STA.	CONTRACT NO. 61A30	
	PLOT DATE = 10/13/2016	CHECKED - JRP	REVISED -						ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0001	0014	0021
70300100	SHORT TERM PAVEMENT MARKING	FOOT	966	966		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	966	966		
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	728	728		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	24,653	24653		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3,567	3567		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	268	268		
* 70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	182	182		
* 70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	18,252	18252		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,356	1356		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	132	132		
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	6	6		
70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	153	153		
* 72000200	SIGN PANEL - TYPE 2	SQ FT	30	30		
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2		
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	4	4		
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	134	134		

* DENOTES SPECIALTY ITEM

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0001	0014	0021
* 72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	33	33		
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2		
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	4	4		
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	93	93		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3		
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	301	301		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	764	764		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	17,476	17476		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4,611	4611		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	801	801		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,409	1409		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	255	255		
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	280	280		
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	28	28		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	394	394		
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	10	10		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16	16		

* DENOTES SPECIALTY ITEM

FILE NAME = s:\VCDCH_25362781_95\4\Drawings\Contract\North\Roadway\General\Summary of Quantities.dgn

AECOM	USER NAME = jgomesi.push	DESIGNED - JRP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 6
	PLOT SCALE = 40.0001' / in.	DRAWN - MRF	REVISED -				CONTRACT NO. 61A30				
	PLOT DATE = 10/13/2016	CHECKED - JRP	REVISED -		SCALE: NTS	DRAWING NO. 4 OF 7	STA. TO STA.	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0004	0014	0021
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1			1
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3,015			3015
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	88			88
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	74			74
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	547			547
* 81400100	HANDHOLE	EACH	11			11
* 81400200	HEAVY-DUTY HANDHOLE	EACH	4			4
* 81400300	DOUBLE HANDHOLE	EACH	1			1
* 81603050	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2,908			2908
* 82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	17			17
* 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1			1
* 83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	1			1
* 83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	13			13
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	12			12
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	12			12
* 85700300	FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1			1

* DENOTES SPECIALTY ITEM

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0004	0014	0021
* 86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1			1
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1			1
* 87100020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	2,418			2418
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2,418			2418
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,529			1529
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,626			2626
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,201			3201
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,066			2066
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,583			4583
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	34			34
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	722			722
* 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2			2
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2			2
* 87703030	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1			1
* 87703040	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1			1
* 87703070	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.	EACH	1			1
* 87703080	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 68 FT.	EACH	1			1

* DENOTES SPECIALTY ITEM

FILE NAME = I:\VCD\25362731\954\Drawings\Contract\North\Roadway\General\Summary\010\Summary.dgn



USER NAME = james.push	DESIGNED - JRP	REVISED -
DRAWN - MRF	CHECKED - JRP	REVISED -
PLOT SCALE = 40.0001' / in.	DATE - 10/13/2016	REVISED -
PLOT DATE = 10/13/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NTS DRAWING NO. 5 OF 7 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	7
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0004	0014	0021
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16			16
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4
* 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	92			92
* 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	4			4
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4			4
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4			4
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8			8
* 88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	14			14
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	14			14
* 88600100	DETECTOR LOOP, TYPE I	FOOT	858			858
* 88700200	LIGHT DETECTOR	EACH	4			4
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	8			8
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2,418			2418
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1

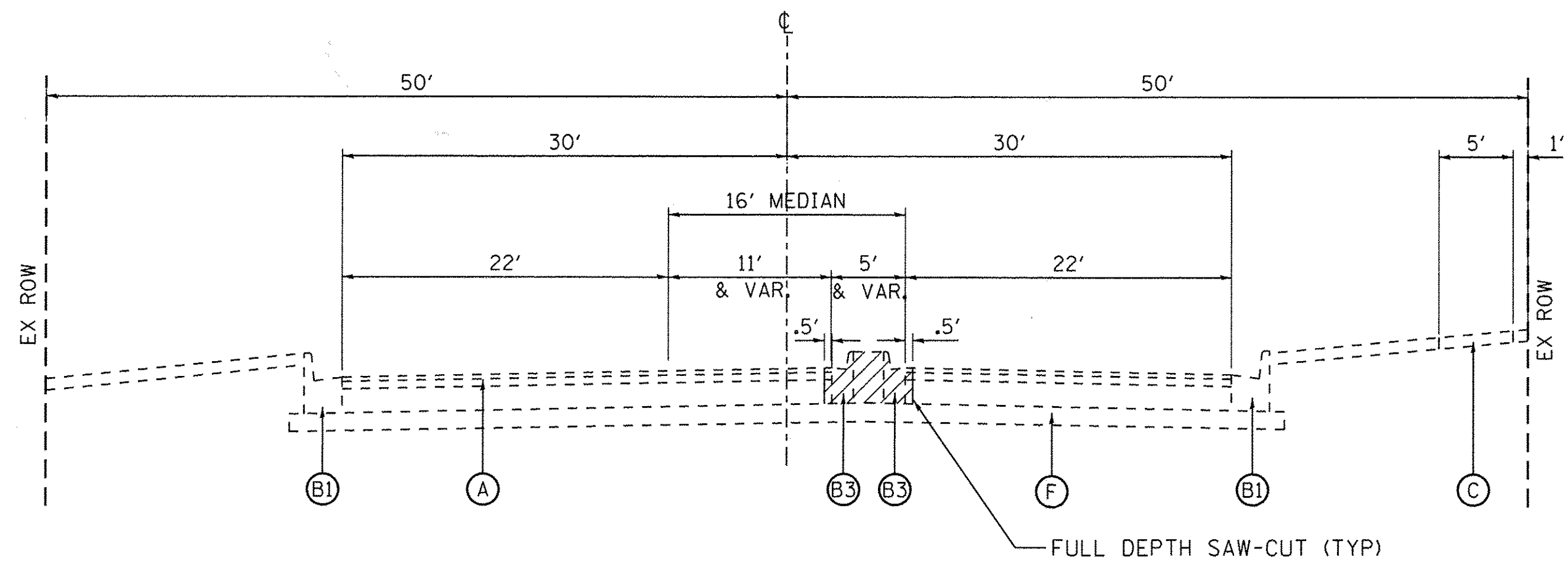
* DENOTES SPECIALTY ITEM

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				0004	0014	0021
* 89502380	REMOVE EXISTING HANDHOLE	EACH	14			14
* 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2			2
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	13			13
* X0301423	NOISE ABATEMENT WALL, GROUND MOUNTED	SQ FT	19,433	19433		
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,041			1041
X0327036	BIKE PATH REMOVAL	SQ YD	1,214	1214		
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	688	688		
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	357	294	63	
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	2	2		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1		
* X8050095	SERVICE INSTALLATION (SPECIAL)	EACH	1			1
* X8301042	MAST ARM, ALUMINUM, 12 FT.	EACH	12			12
XX007023	STAINING CONCRETE STRUCTURES	SQ YD	4,872	4872		
* XX008809	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8" X 7'	EACH	13			13
Z0004552	APPROACH SLAB REMOVAL	SQ YD	293		293	
Z0012100	CONCRETE BRIDGE DECK SCARIFICATION (1/4 INCH)	SQ YD	381		381	
Z0012162	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	SQ YD	381		381	

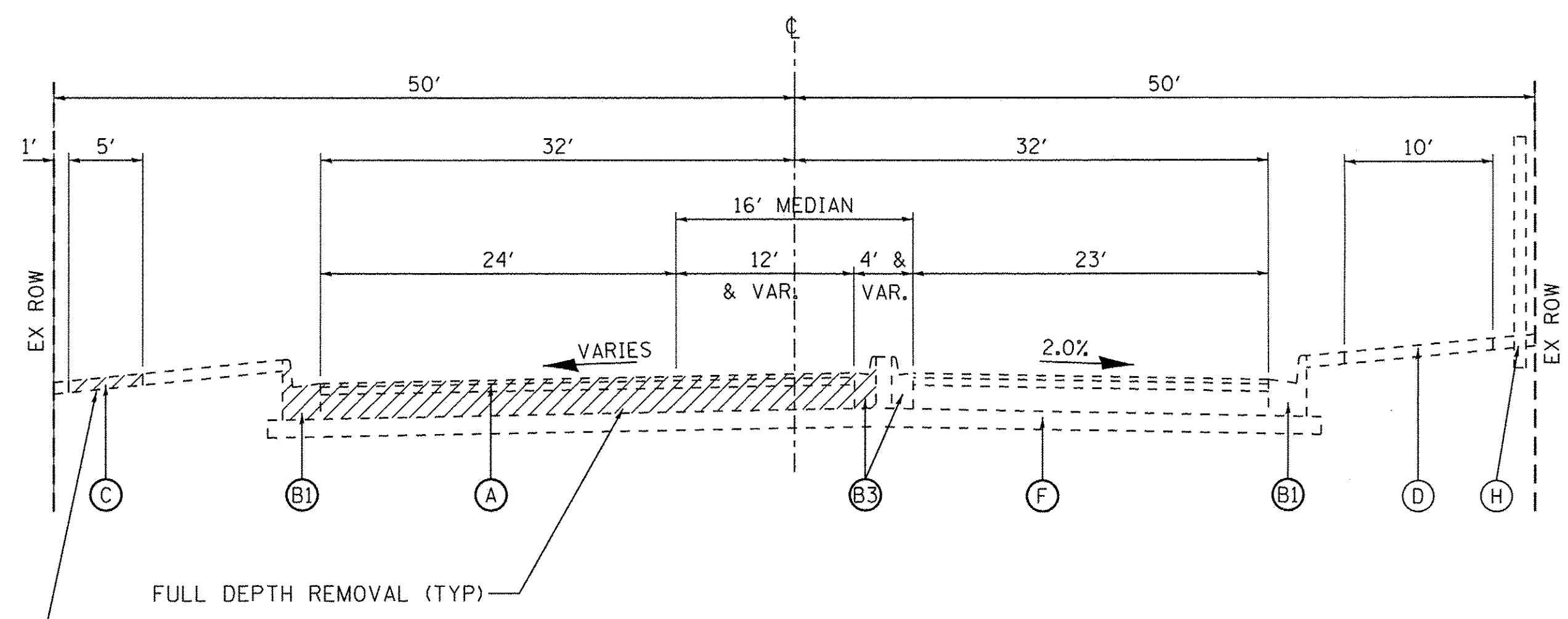
* DENOTES SPECIALTY ITEM

FILE NAME = p:\V\CD04_253627381_99\sh\Drawings\Contract\North\Roadway\General\Summery\020\sumntttres.dgn

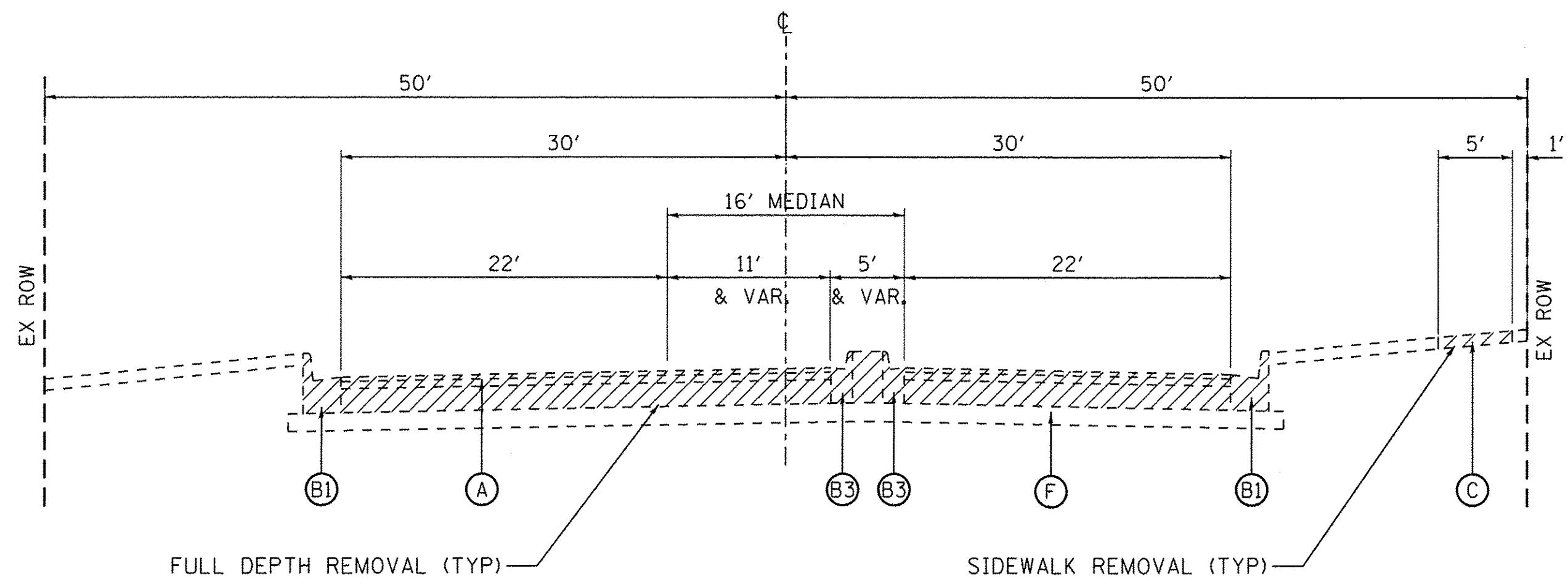
AECOM	USER NAME = james.push	DESIGNED - JRP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 8
	PLOT SCALE = 40.00001' / 1" =	DRAWN - MRF	REVISED -		SCALE: NTS	DRAWING NO. 6 OF 7	STA. TO STA.	CONTRACT NO. 61A30 ILLINOIS FED. AID PROJECT			
	PLOT DATE = 10/13/2016	CHECKED - JRP	REVISED -								
		DATE = 10/13/2016	REVISED -								



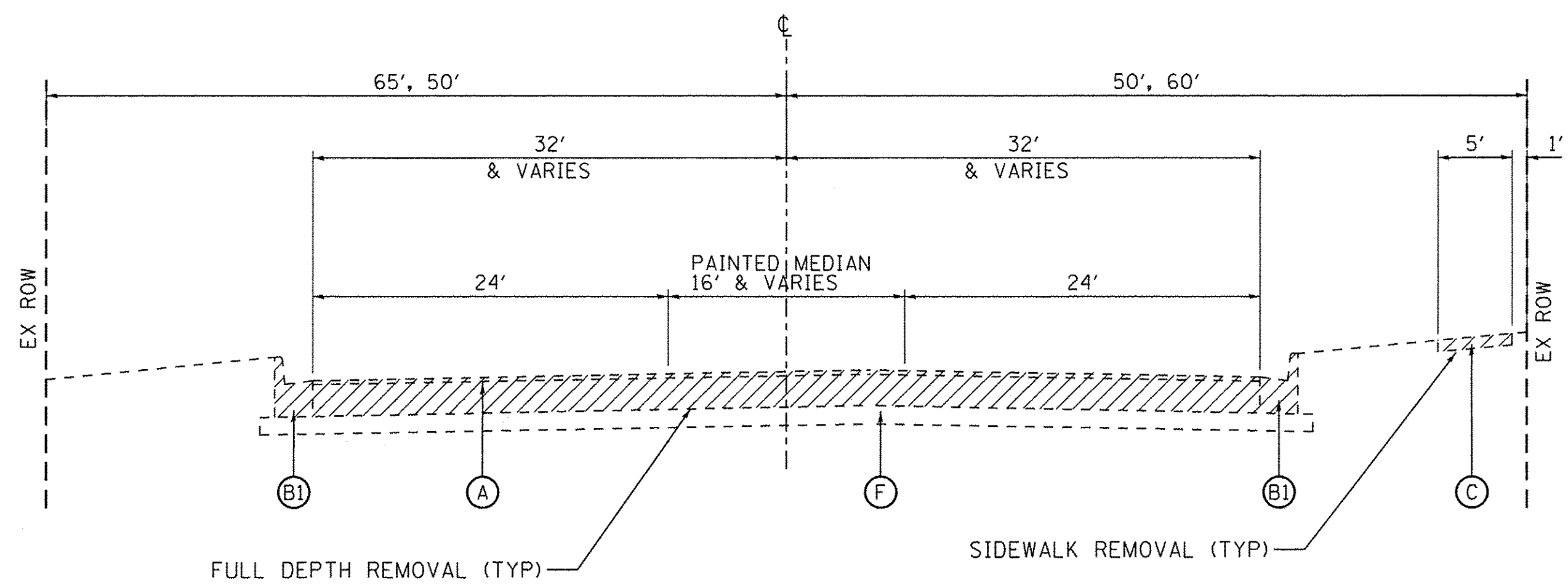
EXISTING TYPICAL SECTION
95TH STREET
STA. 290+00 TO 291+70



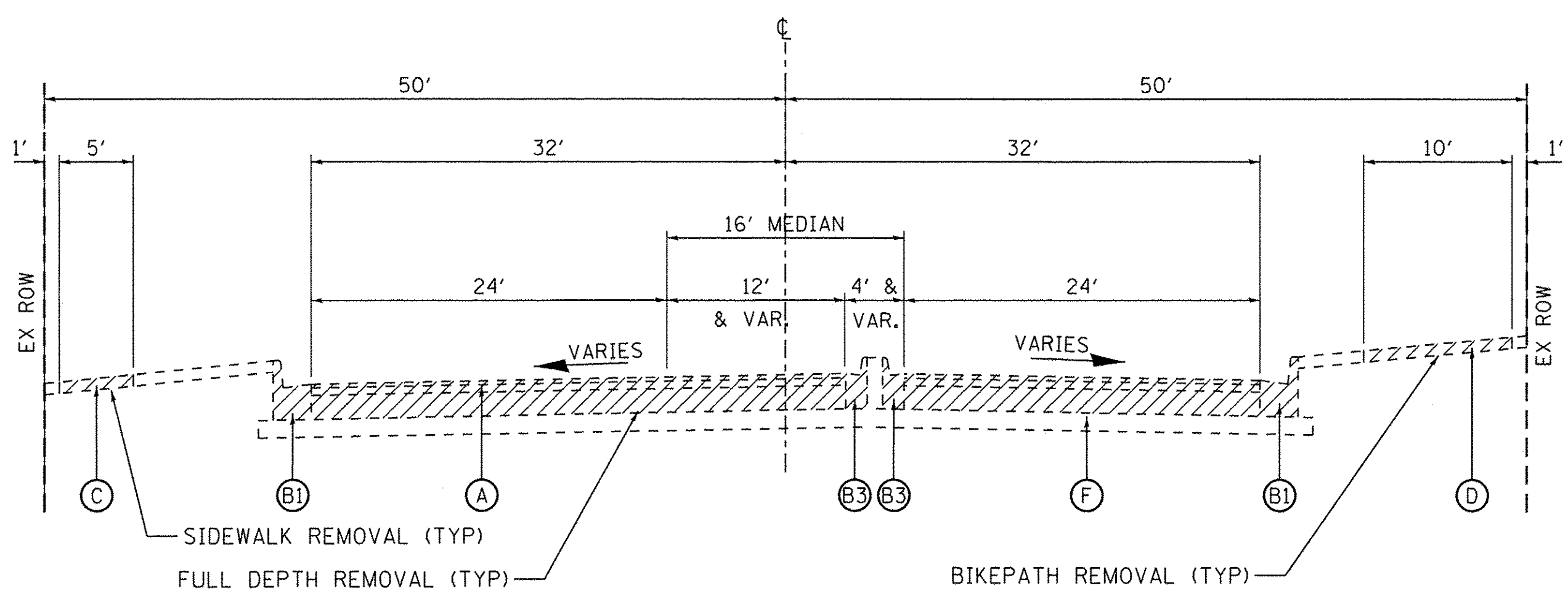
EXISTING TYPICAL SECTION
95TH STREET
STA. 307+20 TO 308+15



EXISTING TYPICAL SECTION
95TH STREET
STA. 291+70 TO 303+61



EXISTING TYPICAL SECTION
PLAINFIELD - NAPERVILLE ROAD
STA. 27+71 TO STA. 47+26



EXISTING TYPICAL SECTION
95TH STREET
STA. 303+61 TO 307+20

LEGEND

- (A) EXISTING HMA PAVEMENT
1.5" SURFACE COURSE
2.5" BINDER COURSE
8" OR 10" BASE COURSE
 - (B1) EXISTING B-6.24 CURB & GUTTER
 - (B2) EXISTING B-6.18 CURB & GUTTER
 - (B3) EXISTING B-6.12 CURB & GUTTER
 - (C) EXISTING CONCRETE SIDEWALK
 - (D) EXISTING HMA BIKEPATH
 - (E) EXISTING AGGREGATE SHOULDER, 6"
 - (F) EXISTING AGGREGATE BASE COURSE
6" TYPICAL AND VARIES
 - (H) EXISTING NOISE ABATEMENT WALL
- HMA SURFACE REMOVAL
 FULL DEPTH REMOVAL

FILE NAME = p:\MCD04_26367381_95thDrawings\Contract-NorthernRoadway\TypicalSection\Shit-TypSec-001.dgn

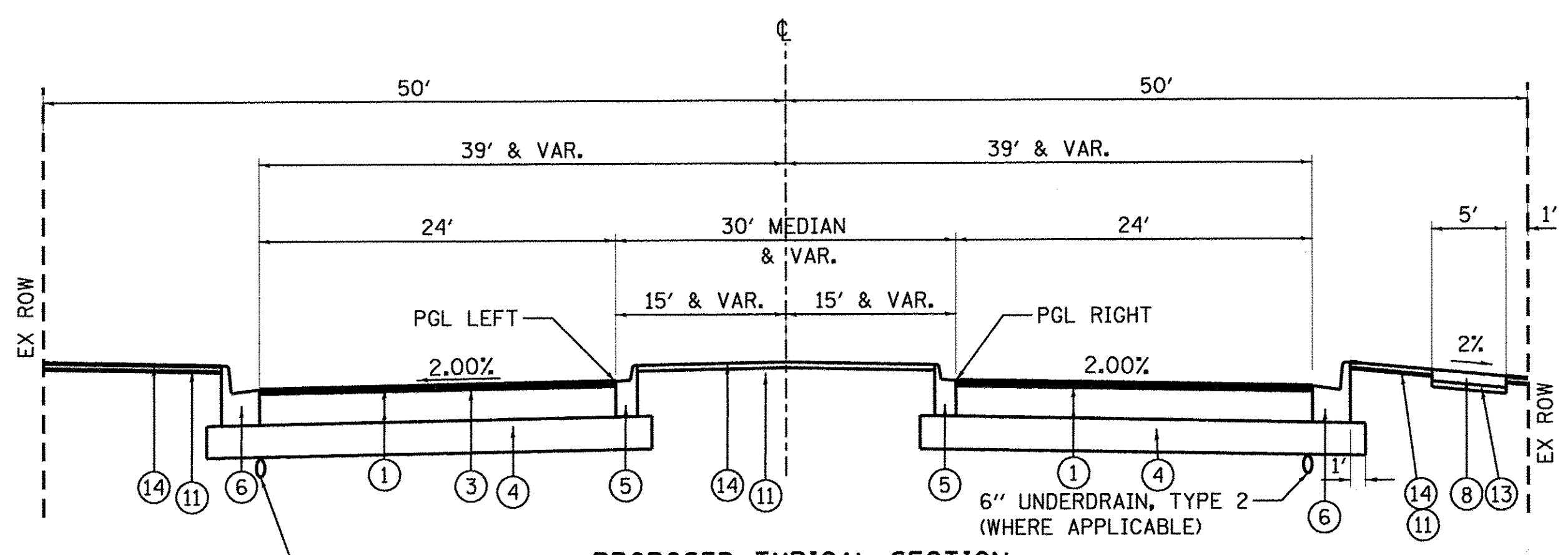


USER NAME = james_push	DESIGNED - JRP	REVISED -
PLLOT SCALE = 20.0000' / 1"	DRAWN - MRF	REVISED -
PLLOT DATE = 1/21/2016	CHECKED - JRP	REVISED -
	DATE - 01/20/2016	REVISED -

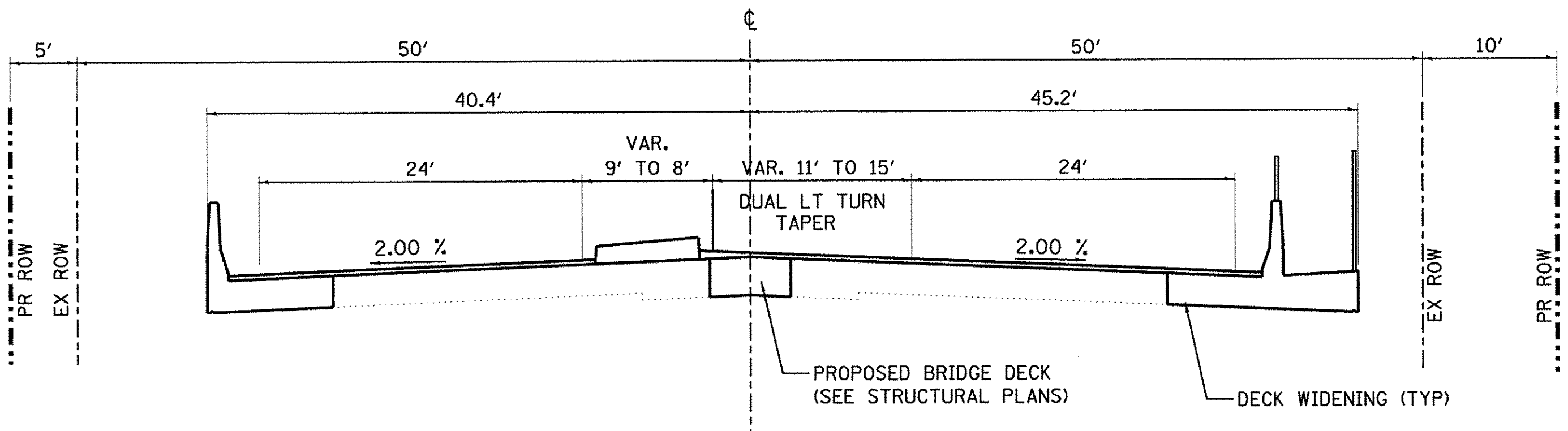
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS	
SCALE:	DRAWING NO. 1 OF 1
STA.	TO STA.

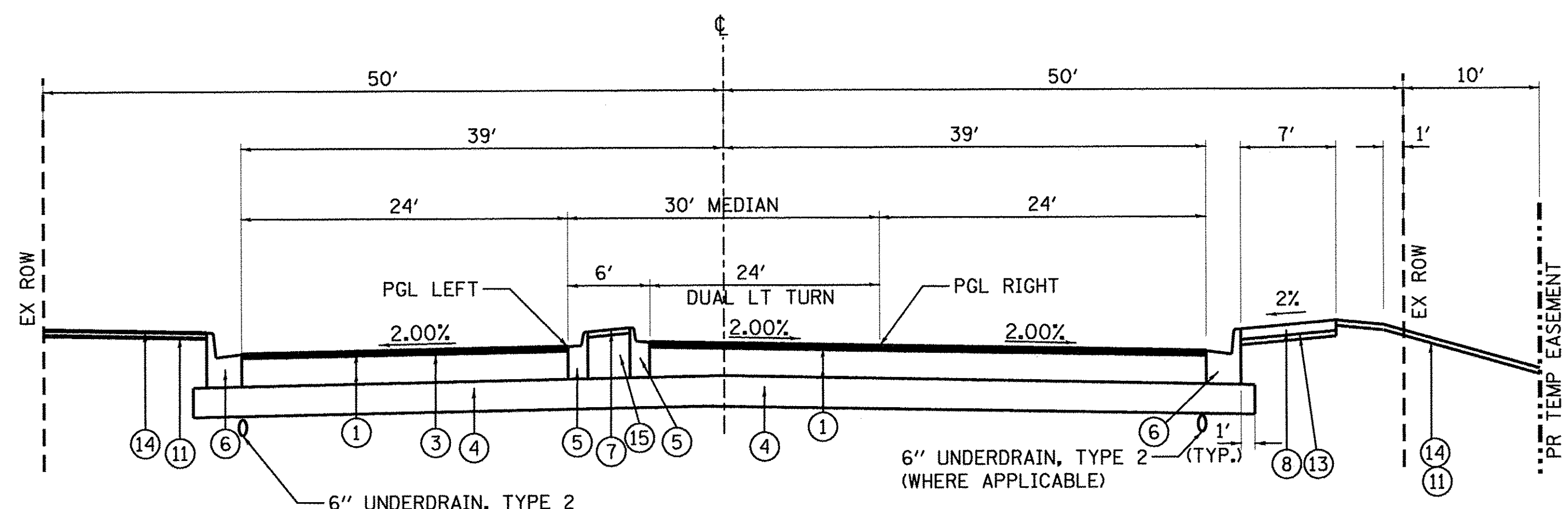
F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 10
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				



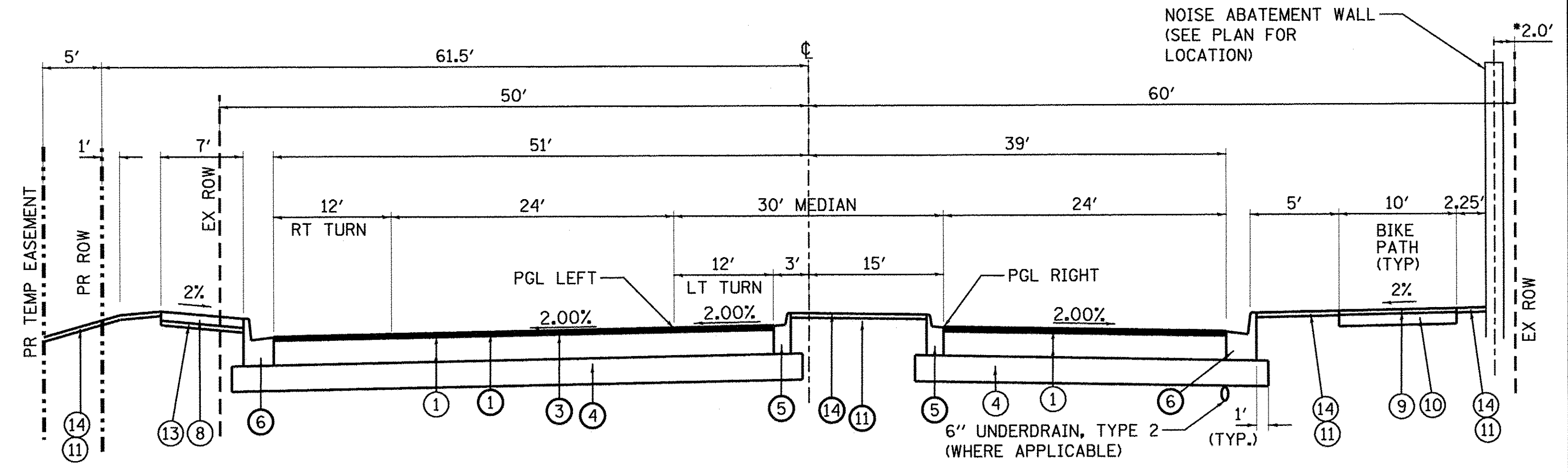
PROPOSED TYPICAL SECTION
 95TH STREET
 STA. 291+70.56 TO 296+05.67
 (294+43.08 TO 294+95.14 BRIDGE)



PROPOSED BRIDGE TYPICAL SECTION
 95TH STREET
 STA. 294+43.08 TO 294+95.14
 SEE BRIDGE DRAWINGS FOR DETAILS

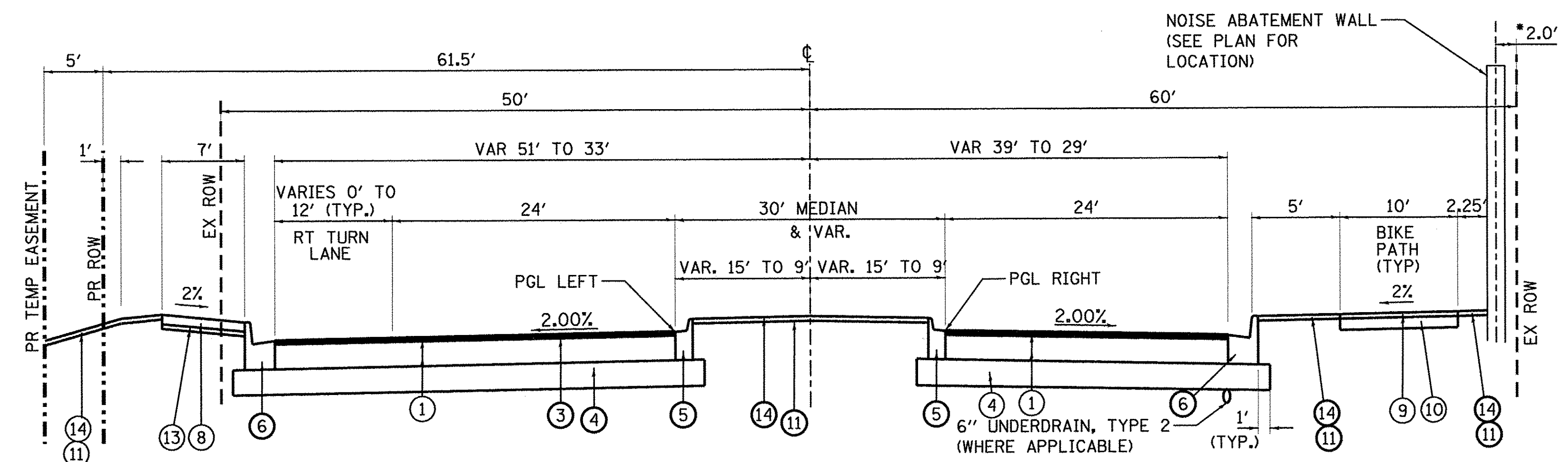


PROPOSED TYPICAL SECTION
 95TH STREET
 STA. 296+05.67 TO 300+00.00



PROPOSED TYPICAL SECTION
 95TH STREET
 STA. 300+00.00 TO 302+70.00

NOTE: • 1.75' STA. 302+17.5 THROUGH STA. 304.84.5



PROPOSED TYPICAL SECTION
 95TH STREET
 STA. 302+70.00 TO 308+15.00

LEGEND

- ① HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/2"
 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")
 - HOT-MIX ASPHALT BINDER COURSE, IL-25.0, N70 (10.5")
- ③ BITUMINOUS MATERIALS (TACK COAT)
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (*)
(MEDIAN C&G TO BE REVERSE PITCHED UNLESS OTHERWISE NOTED)
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (*)
- ⑦ CONCRETE MEDIAN SURFACE, 4 INCH
- ⑧ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑨ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (3")
- ⑩ AGGREGATE BASE COURSE, TYPE B 6"
- ⑪ TOPSOIL EXCAVATION AND PLACEMENT (4")
- ⑫ SEEDING, CLASS 2A
- ⑬ AGGREGATE BASE COURSE, TYPE B 4"
- ⑭ SODDING, SALT TOLERANT
- ⑮ AGGREGATE BASE COURSE, TYPE B

• GUTTER FLAG THICKNESS SHALL MATCH PROPOSED PAVEMENT THICKNESS (12-1/2 INCHES)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS e Ndes
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/2"	
• HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 2"	4% @ 70 Gyr.
• HOT-MIX ASPHALT BINDER COURSE, IL-25.0, N70; 10.5"(4 LIFTS)	4% @ 70 Gyr.
TEMPORARY PAVEMENT	
• HOT-MIX ASPHALT BINDER COURSE, IL-25.0, N70; 12"(4 LIFTS)	4% @ 70 Gyr.
BIKE PATH	
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5); 3"	4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/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 "PERCENT OF RAP" SEE SPECIAL PROVISIONS.
 ALL HMA MIXES ARE TO BE PLACED TO A MAXIMUM 4-INCH LIFT THICKNESS.

FILE NAME = p:\w\000-25387381_95th St - Existing Contract - North Roadway - Typical Section - Sht - 1.dwg; Date = 10/13/2016



USER NAME = james.push
 PLOT SCALE = 40.0000 "/in.
 PLOT DATE = 10/13/2016

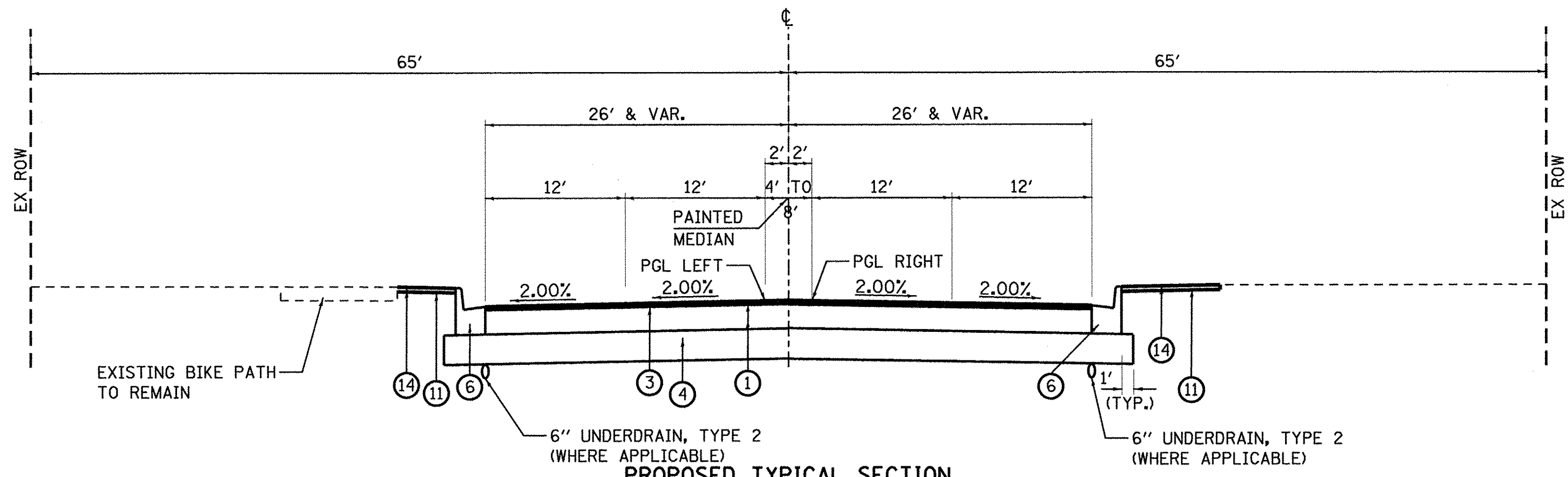
DESIGNED - JRP
 DRAWN - MRF
 CHECKED - JRP
 DATE - 10/13/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

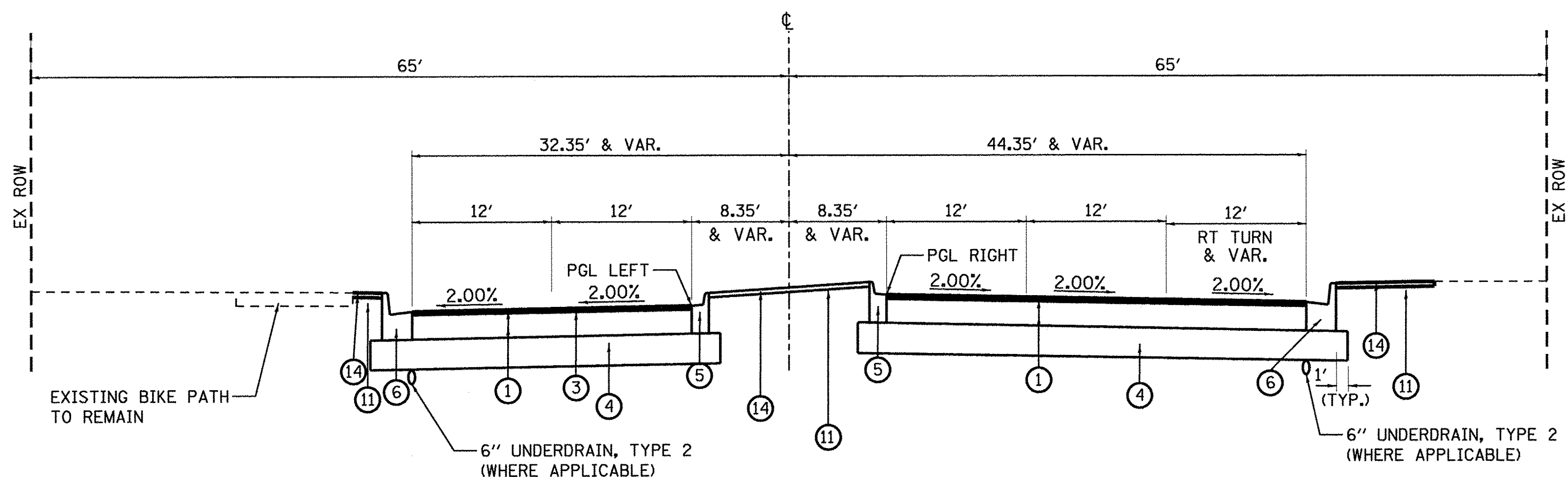
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

95TH STREET
PROPOSED TYPICAL SECTIONS
 SCALE: NTS DRAWING NO. 1 OF 3 STA. TO STA.

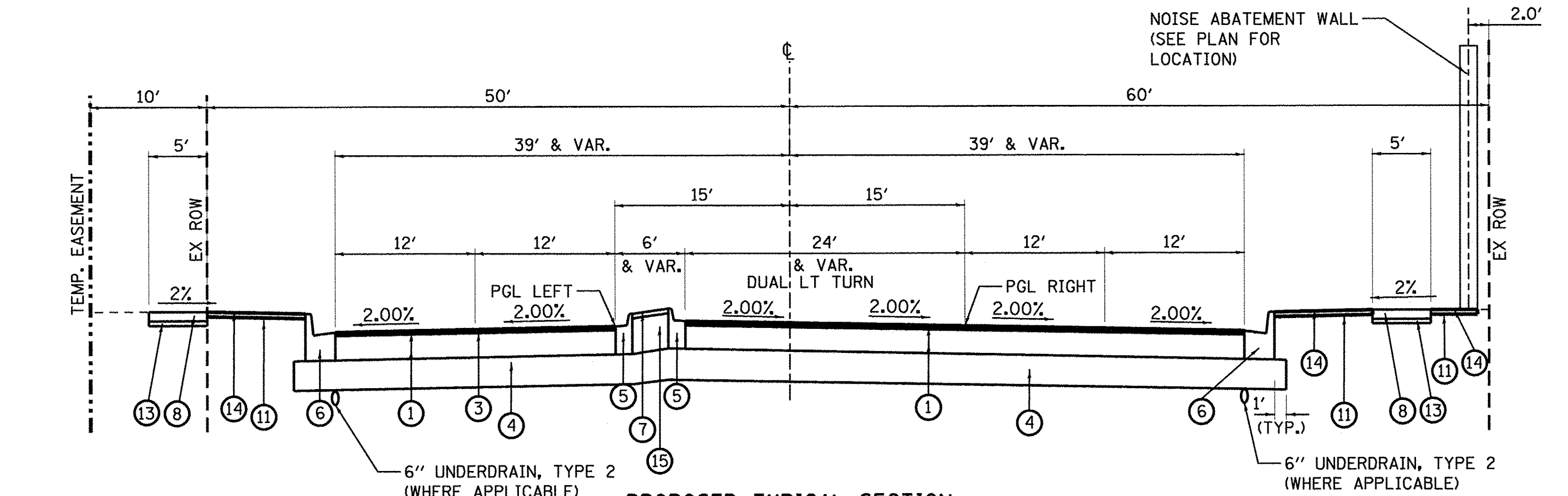
F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 11
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION
PLAINFIELD-NAPERVILLE ROAD
STA. 27+70.50 TO 28+68.06



PROPOSED TYPICAL SECTION
PLAINFIELD-NAPERVILLE ROAD
STA. 28+68.06 TO 30+54.52



PROPOSED TYPICAL SECTION
PLAINFIELD-NAPERVILLE ROAD
STA. 30+54.52 TO 36+50.64

LEGEND

- ① HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/2"
 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")
 - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (10.5")
- ③ BITUMINOUS MATERIALS (TACK COAT)
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (*)
 - (MEDIAN C&G TO BE REVERSE PITCHED UNLESS OTHERWISE NOTED)
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (*)
- ⑦ CONCRETE MEDIAN SURFACE, 4 INCH
- ⑧ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑨ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (3")
- ⑩ AGGREGATE BASE COURSE, TYPE B 6"
- ⑪ TOPSOIL FURNISH AND PLACE 4"
- ⑫ SEEDING, CLASS 2A
- ⑬ AGGREGATE BASE COURSE, TYPE B 4"
- ⑭ SODDING, SALT TOLERANT
- ⑮ AGGREGATE BASE COURSE, TYPE B

* GUTTER FLAG THICKNESS SHALL MATCH PROPOSED PAVEMENT THICKNESS (12-1/2 INCHES)

STRUCTURAL PAVEMENT DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC:	YEAR 2022	
PV = 14203	SU = 449	MU = 299 (95TH STREET)
PV = 20615	SU = 651	MU = 434 (PLAINFIELD - NAPERVILLE RD)
ROAD / STREET CLASSIFICATION:	CLASS I	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P = 32%	S = 45%	M = 45%
TRAFFIC FACTOR:	AC Type = 20	
	Actual TF = 2.68 (95TH STREET)	
	Actual TF = 2.68 (PLAINFIELD-NAPERVILLE RD)	
	Minimum TF = 3.56	
PG GRADE:	BINDER = PG 64 -22	SURFACE = PG 64 -22
SUBGRADE SUPPORT RATING:		
	SSR = POOR (STA. 291+70.56 TO 386+34.48) (95TH STREET)	
	SSR = POOR (STA. 27+70.50 TO 47+26.30) (PLAINFIELD-NAPERVILLE RD)	

FILE NAME = p:\MCD\25387381_95thDr-exrings\Contract\h-r-4\Roadway\TypicalSections\Shr-TypSec-2023.dgn



USER NAME = james.push
 PLOT SCALE = 40,0000' / in.
 PLOT DATE = 10/13/2016

DESIGNED - JRP
 DRAWN - MRF
 CHECKED - JRP
 DATE - 10/13/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

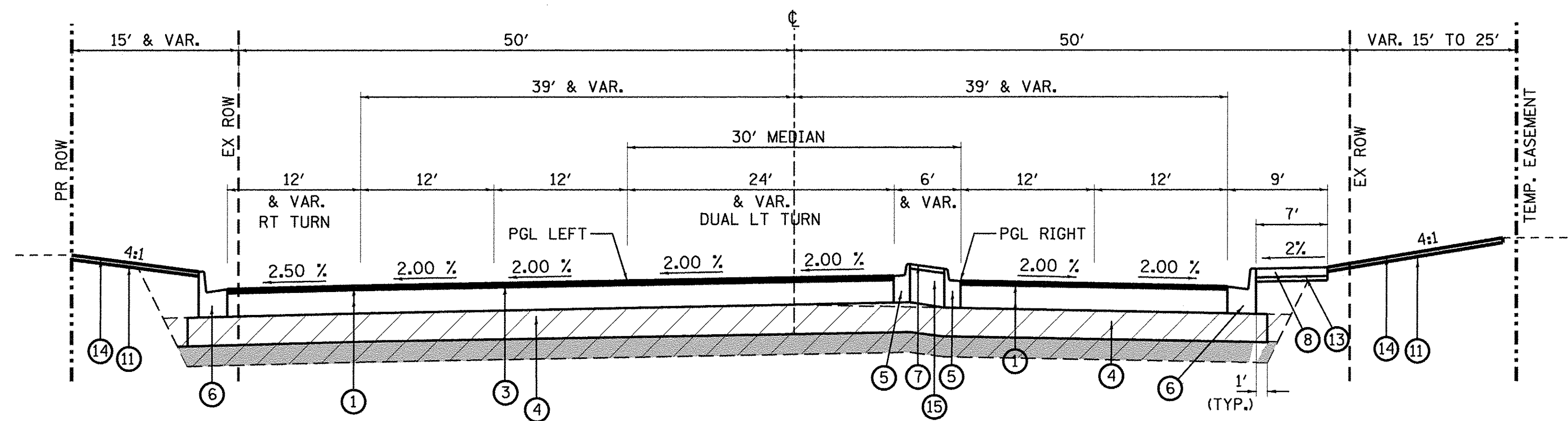
PLAINFIELD - NAPERVILLE ROAD
 PROPOSED TYPICAL SECTIONS
 SCALE: NTS DRAWING NO. 2 OF 3 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	12
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/2"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (2")
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (10.5")
- ③ BITUMINOUS MATERIALS (TACK COAT)
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (*)
(MEDIAN C&G TO BE REVERSE PITCHED UNLESS OTHERWISE NOTED)
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (*)
- ⑦ CONCRETE MEDIAN SURFACE, 4 INCH
- ⑧ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑨ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (3")
- ⑩ AGGREGATE BASE COURSE, TYPE B 6"
- ⑪ TOPSOIL EXCAVATION AND PLACEMENT (4")
- ⑫ SEEDING, CLASS 2A
- ⑬ AGGREGATE BASE COURSE, TYPE B 4"
- ⑭ SODDING, SALT TOLERANT
- ⑮ AGGREGATE BASE COURSE, TYPE B

* GUTTER FLAG THICKNESS SHALL MATCH PROPOSED PAVEMENT THICKNESS (12-1/2 INCHES)

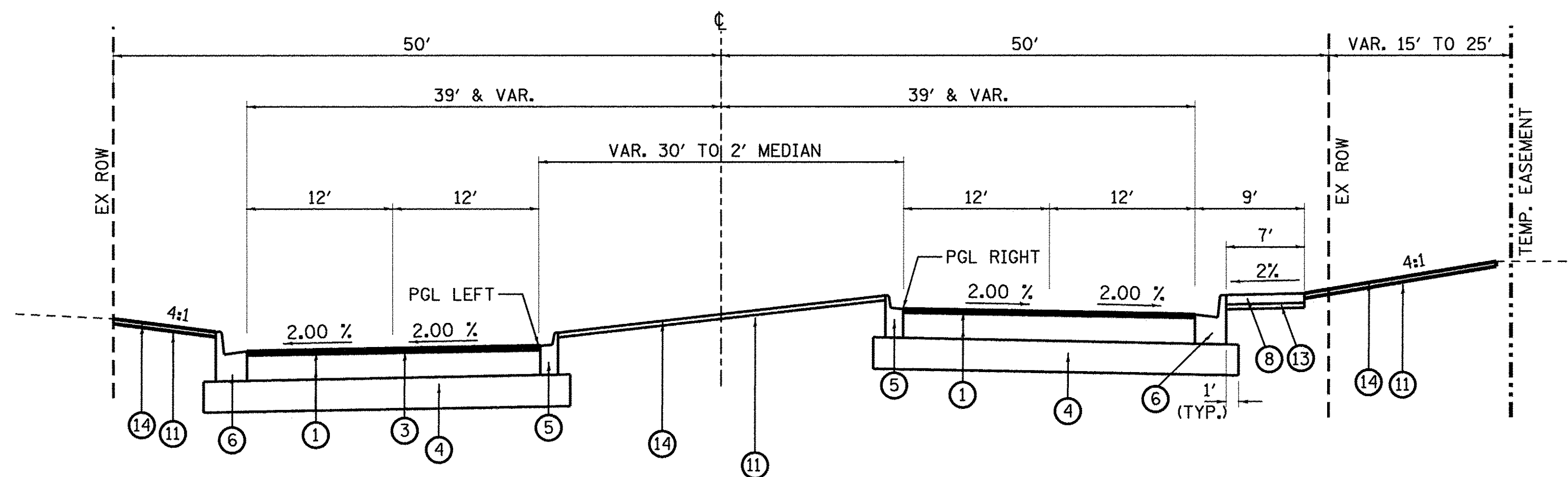


PROPOSED TYPICAL SECTION
PLAINFIELD-NAPERVILLE ROAD

STA. 36+50.64 TO 44+54.18

■ AGGREGATE SUBGRADE IMPROVEMENT
(STA. 45+50 TO STA. 44+00)

▨ REMOVAL AND DISPOSAL
OF UNSUITABLE MATERIAL
(STA. 45+50 TO STA. 44+00)



PROPOSED TYPICAL SECTION
PLAINFIELD-NAPERVILLE ROAD

STA. 44+54.18 TO 47+26.30

FILE NAME = p:\NCD\25367291_35\1\0-Drawings\Contract\10-14\Roadway\Typical\Section\Shr-TypSec-023.dgn



USER NAME = james.push	DESIGNED - JRP	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN - MRF	REVISED -
PLOT DATE = 10/13/2016	CHECKED - JRP	REVISED -
	DATE - 10/13/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAINFIELD - NAPERVILLE ROAD		PROPOSED TYPICAL SECTIONS	
SCALE: NTS	DRAWING NO. 3 OF 3	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	13
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

TREE REMOVALS

STATION	OFFSET	* < 6 I.D.	PAY ITEM 20100110 6-15 I.D.	PAY ITEM 20100210 > 15 I.D.	STATION	OFFSET	* < 6 I.D.	PAY ITEM 20100110 6-15 I.D.	PAY ITEM 20100210 > 15 I.D.
293+88	2 ' LT	2	-	-	306+16	39 ' LT	2	-	-
293+99	45 ' RT	-	6	-	306+25	56 ' LT	-	8	-
294+12	54 ' RT	-	6	-	306+34	52 ' LT	-	8	-
294+19	2 ' LT	3	-	-	306+48	54 ' LT	-	6	-
295+22	2 ' LT	3	-	-	306+55	39 ' LT	2	-	-
295+58	3 ' LT	3	-	-	306+57	53 ' LT	-	6	-
300+62	52 ' LT	-	-	17	306+68	52 ' LT	-	8	-
300+72	65 ' LT	3	-	-	306+79	53 ' LT	-	6	-
300+74	78 ' RT	2	-	-	306+95	51 ' LT	-	8	-
300+94	41 ' LT	-	-	16	306+96	39 ' LT	2	-	-
300+94	59 ' LT	3	-	-	307+41	40 ' LT	3	-	-
301+35	54 ' LT	-	-	18	307+76	40 ' LT	2	-	-
301+36	38 ' LT	2	-	-					
301+76	37 ' LT	2	-	-	31+78	52 ' RT	3	-	-
301+89	61 ' LT	3	-	-	32+03	53 ' RT	3	-	-
302+10	57 ' LT	-	7	-	32+36	49 ' RT	3	-	-
302+17	37 ' LT	2	-	-	32+73	51 ' RT	3	-	-
302+43	54 ' LT	-	6	-	33+01	51 ' RT	3	-	-
302+56	37 ' LT	2	-	-	33+36	52 ' RT	3	-	-
302+72	57 ' LT	-	10	-	33+63	51 ' RT	3	-	-
302+96	37 ' LT	2	-	-	34+00	50 ' RT	3	-	-
303+06	58 ' LT	-	14	-	34+32	49 ' RT	3	-	-
303+35	38 ' LT	2	-	-	34+64	49 ' RT	3	-	-
303+40	61 ' LT	-	-	17	34+97	50 ' RT	3	-	-
303+76	40 ' LT	2	-	-	35+67	71 ' RT	3	-	-
303+85	55 ' LT	-	-	19	37+47	55 ' RT	-	-	16
304+16	39 ' LT	2	-	-	38+09	56 ' RT	-	12	-
304+37	52 ' LT	-	12	-	38+25	58 ' RT	-	12	-
304+56	39 ' LT	2	-	-	39+21	60 ' LT	-	9	-
304+97	39 ' LT	2	-	-	40+38	56 ' LT	-	9	-
305+10	57 ' LT	-	12	-					
305+33	59 ' LT	-	6	-					
305+36	39 ' LT	2	-	-					
305+61	55 ' LT	-	8	-					
305+76	39 ' LT	2	-	-					
305+77	56 ' LT	-	8	-					
					TOTALS		46	95	87

NOTE: * TREE REMOVAL LESS THAN 6 I.D. NOT A PAY ITEM

TREE PROTECTION

STATION	LOCATION	TEMPORARY FENCE [20101000] (FEET)	TREE ROOT PRUNING [20101200] (EACH)
95TH STREET			
291+88	40 ' RT	63	1
291+89	38 ' LT	69	1
292+16	37 ' LT	31	1
292+28	40 ' RT	75	1
292+67	41 ' RT	69	1
293+12	40 ' RT	63	1
293+92	46 ' LT	19	1
295+03	56 ' RT	63	1
304+04	61 ' LT	75	1
296+10	52 ' RT	75	1
296+66	51 ' RT	63	1
297+04	57 ' RT	50	1
297+46	56 ' RT	50	1
308+13	40 ' LT	13	1
308+59	39 ' LT	13	1
308+93	39 ' LT	13	1
309+34	39 ' LT	13	1
309+74	38 ' LT	13	1
310+12	40 ' LT	13	1
310+82	39 ' LT	13	1
311+26	39 ' LT	13	1
311+70	39 ' LT	13	1
312+13	39 ' LT	13	1
312+59	39 ' LT	13	1
312+99	39 ' LT	13	1
313+43	39 ' LT	13	1
313+87	39 ' LT	13	1
PLAINFIELD-NAPERVILLE ROAD			
33+02	55 ' LT	19	1
33+74	49 ' LT	19	1
37+71	61 ' RT	50	1
40+11	63 ' LT	38	1
40+58	63 ' RT	38	1
44+83	53 ' RT	38	1
	TOTAL	1149	33

EARTHWORK SUMMARY

	UNIT	IN-SITU QUANTITY	SHRINK FACTOR	TOTAL
(CUT = SUITABLE) *	CU YD	9440	15%	8020 (a)
(UNSUITABLE + TOPSOIL) *	CU YD	6160	-	6160 (b)
(FILL) *	CU YD	3070	-	3070 (c)
AGGREGATE SUBGRADE IMPROVEMENT *	CU YD	1740	-	1740 (d)
TOPSOIL EXCAVATION (SURPLUS IS UNSUITABLE MATERIAL)	CU YD	1430	-	1430 (e)
TOPSOIL PLACEMENT	CU YD	0	-	0 (f)

* VOLUMES AS MEASURED FROM END AREAS ON CROSS SECTIONS

20200100	EARTH EXCAVATION	9440	CU YD	(a)
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	6160	CU YD	(b - f)
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	2620	SQ YD	
21101615	TOPSOIL FURNISH AND PLACE, 4"	12180	SQ YD	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	1740	CU YD	(d)

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

LOCATION	QUANTITY
41+50 to 44+50	2,620 SQ YD
TOTAL	2,620 SQ YD

TREE SCHEDULE

ITEM	ABBREVIATED DESC.	DESCRIPTION	SHT 1 OF 5	SHTS 2 - 5 OF 5	TOTAL
			STA. 291+70 - STA. 299+00	STA. 27+70 - STA. 48+59	
A2004820	T-GLED TRI-I SK 2-1/2	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	2		2
A2006516	T-QUERCUS BICOL 2	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	4		4
					6

EROSION CONTROL

STATION	STATION	28000400	28000500	28000510	28100105	28200200
		PERIMETER EROS BAR	INLET AND PIPE PROTECTION	INLET FILTERS	STONE RIPRAP, CLASS A3	FILTER FABRIC
		FOOT	EACH	EACH	SQ YD	SQ YD
291+70.56	- 293+40.00	370		2		
293+40.00	- 299+00.00	1126		14	24	24
299+00.00	- 304+60.00	521		13		
304+60.00	- 310+20.00	315	1	4		
27+70.50	- 33+20.00	963		13		
33+20.00	- 35+70.00	530		4		
37+30.00	- 38+80.00	319		4		
38+80.00	- 44+40.00	940		13		
44+40.00	- 47+26.30	304		6		
TOTALS		5388	1	73	24	24

FILE NAME = p:\MCD001_25367381_95th\Drawings\Contract\Nor 4th Roadway\General\Schedule.dgn

AECOM	USER NAME = james_push	DESIGNED - JRP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000 ' / in.	DRAWN - MRF	REVISED -					1644	12-00181-01-FP	WILL	179	14
	PLOT DATE = 1/21/2016	CHECKED - JRP	REVISED -					CONTRACT NO. 61A30				
		DATE - 01/20/2016	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: NTS	DRAWING NO. 1 OF 5	STA.	TO STA.					

PAVEMENTS

STATION - STATION	PAVEMENT AREA (SQ FT)	30300112	40701931	40700100
		AGG SUBGRADE IMPR 12 (SQ YD)	HMA PAVT FD 12 1/2 (SQ YD)	BIT MATLS TACK CT (POUND)
291+70.56 - 293+40.00	8600	1278	956	645
293+40.00 - 299+00.00	31020	4093	3447	2327
299+00.00 - 304+60.00	51563	6417	5729	3867
304+60.00 - 308+15.00	17707	2361	1967	1328
27+70.50 - 33+20.00	35478	4663	3942	2661
33+20.00 - 35+70.00	17252	2337	1917	1294
37+30.00 - 38+80.00	13289	2271	1477	997
38+80.00 - 44+40.00	35771	4355	3975	2683
44+40.00 - 47+26.30	13930	1548	1548	1045
TOTALS	224609	29323	24958	16847

BIKE PATHS AND DRIVEWAYS

STATION - STATION	BIKE PATH AREA (SQ FT)	35101800	40603335	42300400
		AGGREGATE BASE COURSE, TYPE B 6" (SQ YD)	HMA SURFACE COURSE, MIX "D", N50 (TON)	PCC DRIVEWAY PAVEMENT, 8 INCH (SQ YD)
291+70.56 - 300+65.00		174		174
300+65.00 - 304+60.00	3950	439	74	
304+60.00 - 307+57.00	2970	330	55	
27+70.50 - 32+22.00	4515	726	84	224
TOTALS	11435	1669	213	398

CONCRETE GUTTER and COMBINATION CONCRETE CURB AND GUTTER

STATION - STATION	STATION	60603800	60605000
		COMB CC&G TB6.12 (FOOT)	COMB CC&G TB6.24 (FOOT)
283+94.0 - 293+40.0		1634	338
293+40.0 - 299+00.0		1016	936
299+00.0 - 304+60.0		760	1225
304+60.0 - 310+20.0		555	615
27+70.0 - 33+20.0		1014	1129
33+20.0 - 38+80.0		622	636
38+80.0 - 44+40.0		1280	1129
44+40.0 - 47+26.3		570	572
TOTAL		7451	6580

TEMPORARY PAVEMENT MARKING

STATION - STATION	TEMPORARY PAVEMENT MARKING				PAVEMENT MARKING TAPE, TYPE III	
	70300210	70300220	70300240	70300280	70300510	70300520
	LETTERS AND SYMBOLS (SQ FT)	LINE 4" (FOOT)	LINE 6" (FOOT)	LINE 24" (FOOT)	LETTERS AND SYMBOLS (SQ FT)	4" (FOOT)
95TH ST., BEFORE STA. 291+70					182	5298
291+70.0 - 308+15.0	291	12327	2028	135		550
95TH ST., AFTER STA. 307+20/308+15						5106
PLAINFIELD-NAPERVILLE RD., BEFORE STA. 27+70.3						3370
27+70.3 - 47+26.3	437	12326	1539	133		
PLAINFIELD-NAPERVILLE RD., AFTER STA. 27+70.3						3928
TOTALS:	728	24653	3567	268	182	18252

SIDEWALK 5"

STATION - STATION	STATION	35101600	42400200
		AGGREGATE BASE COURSE, TYPE B 4" (SQ YD)	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SQ FT)
291+70.56 - 300+00.00		436	3928
300+00.00 - 314+75.40		924	8316
27+70.50 - 36+50.64		309	2783
36+50.64 - 47+26.30		717	6456
TOTALS		2387	21483

CONCRETE MEDIANS

STATION - STATION	STATION	60618300	35101400
		CONC. MEDIAN SURF., 4" (SQ FT)	AGG. BASE CSE, TY B (TON)
286+32.0 - 292+33.9		1,411	164
295+27.8 - 298+96.7		1,148	133
33+21.6 - 35+70.0		725	84
37+53.2 - 41+70.7		1,195	139
TOTAL		4,479	520

AGGREGATE FOR TEMPORARY ACCESS

LOCATION	QUANTITY (TON)	REMARK
296+39 RT	30	DRIVEWAY
297+63 LT	30	DRIVEWAY
300+00 RT / LT	30	INTERSECTION WORK
30+90 RT	50	TIMBER CREEK LN
30+65 LT	30	DRIVEWAY
42+63 RT	50	BRECKENRIDGE LN
TOTAL	220	

PAVEMENT MARKING

STA. TO STA.	THERMOPLASTIC PAVEMENT MARKING							POLYUREA PAVEMENT MARKING		PAVEMENT MARKERS	
	78000100	78000200	78000400	78000400	78000500	78000600	78000650	78008210	78008230	78100100	78100105
	LETTERS AND SYMBOLS (SQ FT)	LINE 4" (FOOT)	LINE 6" (FOOT)	LINE 6" (SIDEWALK) (FOOT)	LINE 8" (FOOT)	LINE 12" (FOOT)	LINE 24" (FOOT)	LINE 4" (FOOT)	LINE 6" (FOOT)	RAISED REFLECTIVE PAVEMENT MARKER (EACH)	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) (EACH)
280+81.0 - 290+00.0	73	1353	388							84	10
290+00.0 - 300+00.0	73	2222	22	411	801	671	48	280	28	87	
300+00.0 - 314+75.4	146	3839	1100				51				
314+75.4 - 319+96.0		104									
18+50.0 - 27+70.5		2698				63					
27+70.5 - 36+50.6	182	2008	761	305		417	72			95	
36+50.6 - 47+26.3	291	2443	1250	374			84			128	
47+26.3 - 54+26.0		2811				258					
TOTALS:	764	17476	3520	1091	801	1409	255	280	28	394	10

GUARDRAIL

STATION - STATION	LOC	63000001	63000025	63100167	63100045	63100070	63100085	78200005	72501000
		SPBGR TY A 6FT POSTS	SPBGR ATTACH TO STR	TR BAR TRM T1 SPL TAN (EACH)	TRAF BAR TERM T2 (EACH)	TRAF BAR TERM T5 (EACH)	TRAF BAR TERM T6 (EACH)	GUARDRAIL REFL TYPE A (EACH)	TERMINAL MARKER - DA (EACH)
291+34.1 - 294+15.4	RT	187.5		1			1	4	1
295+22.7 - 296+79.0	LT	162.5		1			1	4	1
28+22.7 - 30+12.4	RT	125.0	37.5		1	1		4	
28+28.2 - 31+28.2	LT	250.0	37.5	1	1			4	1
TOTALS		725.0	75.0	3	2	1	2	16	3

FILE NAME = p:\work\2016\7391\98\Drawings\Contract\1601\Roadway\General\Sheet1.dgn

DRAINAGE STRUCTURES TO BE REMOVED

APPROX. STA.	LOC.	MANHOLES	CATCH BASINS	INLETS
293+90	LT			1
294+10	RT			1
294+90	RT	1		
295+20	RT			1
296+70	LT			1
298+10	LT			1
298+10	RT		1	
300+60	LT	1		
301+20	RT			1
301+80	LT			1
302+70	LT			1
302+70	RT			1
304+10	LT			1
304+10	RT			1
305+70	LT			1
29+40	LT			1
29+40	RT			1
32+05	LT			1
32+05	RT			1
34+50	LT			1
34+50	LT	1		
34+50	RT			1
39+00	LT			1
39+00	RT			1
41+00	LT			1
41+00	RT			1
42+30	RT			1
42+80	RT			1
46+10	LT			1
46+10	RT			1
TOTAL		2	2	26

STORM SEWER REMOVAL

APPROX. STA.	LOC.	DIA. (IN)	LENGTH (FT)
294+00	RT	24	43
295+00	RT	30	88
296+66	CROSSING	12	60
298+11	CROSSING	12	60
300+50	LT	15	12
301+10	CROSSING	12	70
301+50	LT	10	74
301+50	RT	12	72
302+70	CROSSING	12	57
302+70	RT	12	6
304+10	CROSSING	12	57
304+10	RT	12	12
305+72	CROSSING	12	63
41+00	LT	12	11
39+00	LT	12	14
42+31	RT	12	10
42+41	RT	12	43
42+84	RT	10	16
(55100400) TOTAL SS REMOVAL 10"			90
(55100500) TOTAL SS REMOVAL 12"			535
(55100700) TOTAL SS REMOVAL 15"			12
(55101200) TOTAL SS REMOVAL 24"			43
(55101400) TOTAL SS REMOVAL 30"			88

PIPE UNDERDRAINS TYPE 2, 6"

APPROX. STA.	LOCATION	LENGTH (FT)
295+30	CROSSING	74
296+00	LT	127
297+00	LT	144
298+10	CROSSING	76
299+00	RT	76
299+00	LT	150
299+00	RT	55
29+00	LT	126
29+00	RT	121
29+40	CROSSING	70
30+00	LT	266
30+00	RT	107
31+50	RT	82
32+10	CROSSING	69
34+00	LT	238
34+00	RT	244
35+00	LT	129
35+00	RT	207
37+40	CROSSING	105
41+00	CROSSING	86
46+10	CROSSING	65
300+70	LT	43
301+00	CROSSING	75
304+10	CROSSING	90
308+00	CROSSING	85
TOTAL		2910

SIGNING SCHEDULE

STATION	OFFSET		SIGN DESCRIPTION	72000100	72000200	72400100	72400200	72400310	72400320	72400500	72400600	72400710	72800100	REMARKS
	LT.	RT.		SIGN PANEL T1	SIGN PANEL T2	REMOV SIN PAN ASSY TA	REMOV SIN PAN ASSY TB	REMOV SIN PAN	REMOV SIN PAN	RELOC SIN PAN ASSY TA	RELOC SIN PAN ASSY TB	RELOC SIN PAN	TELES STL SIN SUPPORT	
				(SQ FT)	(SQ FT)	(EACH)	(EACH)	(SQ FT)	(SQ FT)	(EACH)	(EACH)	(SQ FT)	(FOOT)	
95TH STREET														
290+13	5.5		KEEP RIGHT b/w LEFT TURN ONLY				1					1	14.5	
294+30		32.7	OBSTRUCTION MARKER (LEFT)					3.0					3.0	COORDINATE RELOCATIONS OF OBSTRUCTION MARKERS WITH BRIDGE PLANS
294+53		32.6	OBSTRUCTION MARKER (RIGHT)					3.0					3.0	
294+85		32.5	OBSTRUCTION MARKER (LEFT)					3.0					3.0	
295+08		32.6	OBSTRUCTION MARKER (RIGHT)					3.0					3.0	
296+60		51.4	STOP					6.3					6.3	14
296+60		51.4	NO LEFT TURN	4.0										
297+98		46.2	SPEED LIMIT 45 w/NO PARKING				1				1			MOUNT TO LIGHT POLE
297+43		48.0	STOP w/ NO LEFT TURN				1				1		16.3	
298+95		12.0	KEEP RIGHT					5.0					5.0	
298+95		12.0	LEFT TURN ONLY					5.0					5.0	14
299+17	LEFT		LEFT TURN YIELD ON GREEN BALL					5.0						MOUNTED ON EXIST. WB MAST ARM
299+17	LEFT		PLAINFIELD - NAPERVILLE RD						16.3					MOUNTED ON EXIST. WB MAST ARM
299+17	LEFT		NOT A DESIGNATED TRUCK ROUTE					5.0					5.0	MOUNTED TO EXIST. WB TS POLE
299+05	RIGHT		LEFT ON GREEN ARROW ONLY	5.0										MOUNT TO NEW TS POST, SW CORNER
299+20	LEFT		LEFT ON GREEN ARROW ONLY	5.0										MOUNT ON NEW TS MA, NW CORNER
299+20	LEFT		PLAINFIELD - NAPERVILLE RD					15.0						ON NW CORNER TS MA; SEE DIST. 1 STDS.
300+65	RIGHT		PLAINFIELD - NAPERVILLE RD					15.0						ON SE CORNER TS MA; SEE DIST. 1 STDS.
300+65	RIGHT		LEFT ON GREEN ARROW ONLY	5.0										MOUNT ON NEW TS MA, SE CORNER
300+72	LEFT		LEFT ON GREEN ARROW ONLY	5.0										MOUNT TO NEW TS POST, NE CORNER
300+88	RIGHT		LEFT TURN YIELD ON GREEN BALL					5.0						MOUNTED ON EXIST. EB MAST ARM
300+88	RIGHT		PLAINFIELD - NAPERVILLE RD						16.3					MOUNTED ON EXIST. EB MAST ARM
300+88	RIGHT		NOT A DESIGNATED TRUCK ROUTE					5.0					5.0	MOUNTED TO EXIST. EB TS POLE
300+90		2.0	KEEP RIGHT b/w LEFT TURN ONLY	12.5									14.5	
302+35		43.7	SPEED LIMIT 40											MOUNT TO LIGHT POLE
302+35		43.7	NO PARKING				1				1			MOUNT TO LIGHT POLE
306+35		54.8	RIGHT TURN ONLY	7.5										MOUNT TO LIGHT POLE
PLAINFIELD-NAPERVILLE RD														
27+68		30.0	SIGNAL AHEAD	9.0									15.7	
28+74		1.0	KEEP RIGHT	5.0										14
30+76		41.4	NO LEFT TURN					4.0					4.0	13.5
31+04		41.4	DO NOT ENTER					6.3						
31+20		58.6	STOP					6.3					6.3	14
31+23		60.3	RIGHT TURN ONLY					7.5					7.5	14.5
32+15		38.3	SPEED LIMIT 45					7.5					7.5	14.5
32+33		51.1	STOP					6.3					6.3	14.5
32+33		51.1	RIGHT TURN ONLY	7.5										
32+59		9.5	NO LEFT TURN	4.0										13.5
35+69		12.0	DUAL LEFT TURN ONLY	6.3										
35+69		12.0	KEEP RIGHT	5.0										14
35+75	LEFT		LEFT TURN SIGNAL					4.0						MOUNTED ON EXIST. SB MAST ARM
35+75	LEFT		95TH STREET					8.3						MOUNTED ON EXIST. SB MAST ARM
35+75	LEFT		TRUCK ROUTE w/ARROW				1			1				MOUNTED TO EXIST. SB MAST ARM POLE
35+71	RIGHT		LEFT ON GREEN ARROW ONLY	5.0										MOUNT TO NEW TS POST, SE CORNER
35+86	LEFT		LEFT ON GREEN ARROW ONLY	5.0										MOUNT ON NEW TS MA, SW CORNER
35+86	LEFT		95TH STREET	8.3										ON SW CORNER TS MA; SEE DIST. 1 STDS.
37+31	RIGHT		95TH STREET	8.3										ON NE CORNER TS MA; SEE DIST. 1 STDS.
37+31	RIGHT		LEFT ON GREEN ARROW ONLY	5.0										MOUNT ON NEW TS MA, NE CORNER
37+42	LEFT		LEFT ON GREEN ARROW ONLY	5.0										MOUNT TO NEW TS POST, NW CORNER
37+37	RIGHT		LEFT TURN SIGNAL					4.0						MOUNTED ON EXIST. NB MAST ARM
37+37	RIGHT		95TH STREET					8.3						MOUNTED ON EXIST. NB MAST ARM
37+37	RIGHT		TRUCK ROUTE w/ARROW				1			1				MOUNTED TO EXIST. NB MAST ARM POLE
37+53		12.0	KEEP RIGHT	5.0										
37+53		12.0	DUAL LEFT TURN ONLY	6.3										14
39+37		39.6	SPEED LIMIT 45					7.5					7.5	
40+64		55.5	RIGHT TURN ONLY	7.5										14.5
42+71		12.0	NO LEFT TURN	4.0										13.5
42+92		62.2	STOP					6.3					6.3	14
42+94		62.2	RIGHT TURN ONLY	7.5										14.5
44+15		34.9	SIGNAL AHEAD					9.0					9.0	14.5
47+16		3.0	KEEP RIGHT	5.0										14
TOTALS				153	30	2	4	134	33	2	4	93	301	

FILE NAME = n:\work\2016\2016-03-21\Drawings\Contract\North\Roadway\Sign\01_SignSchedule.dgn



USER NAME = npholias.telarico
 PLOT SCALE = 42.0001" / in.
 PLOT DATE = 3/21/2016

DESIGNED	JRP	REVISED	-
DRAWN	MRF	REVISED	-
CHECKED	JRP	REVISED	-
DATE	03/21/2016	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

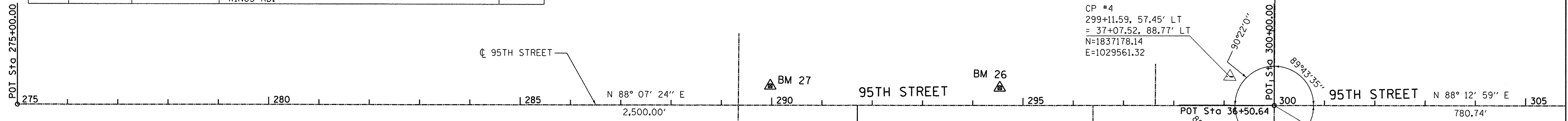
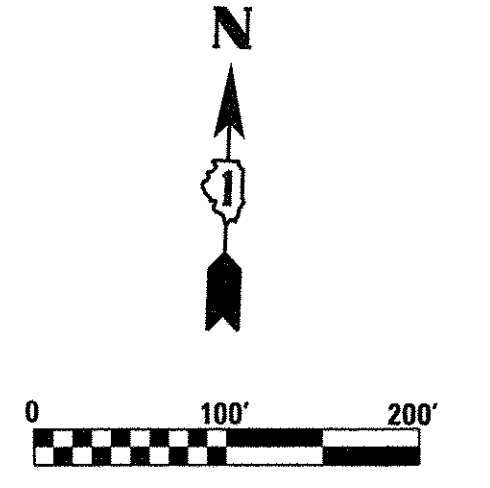
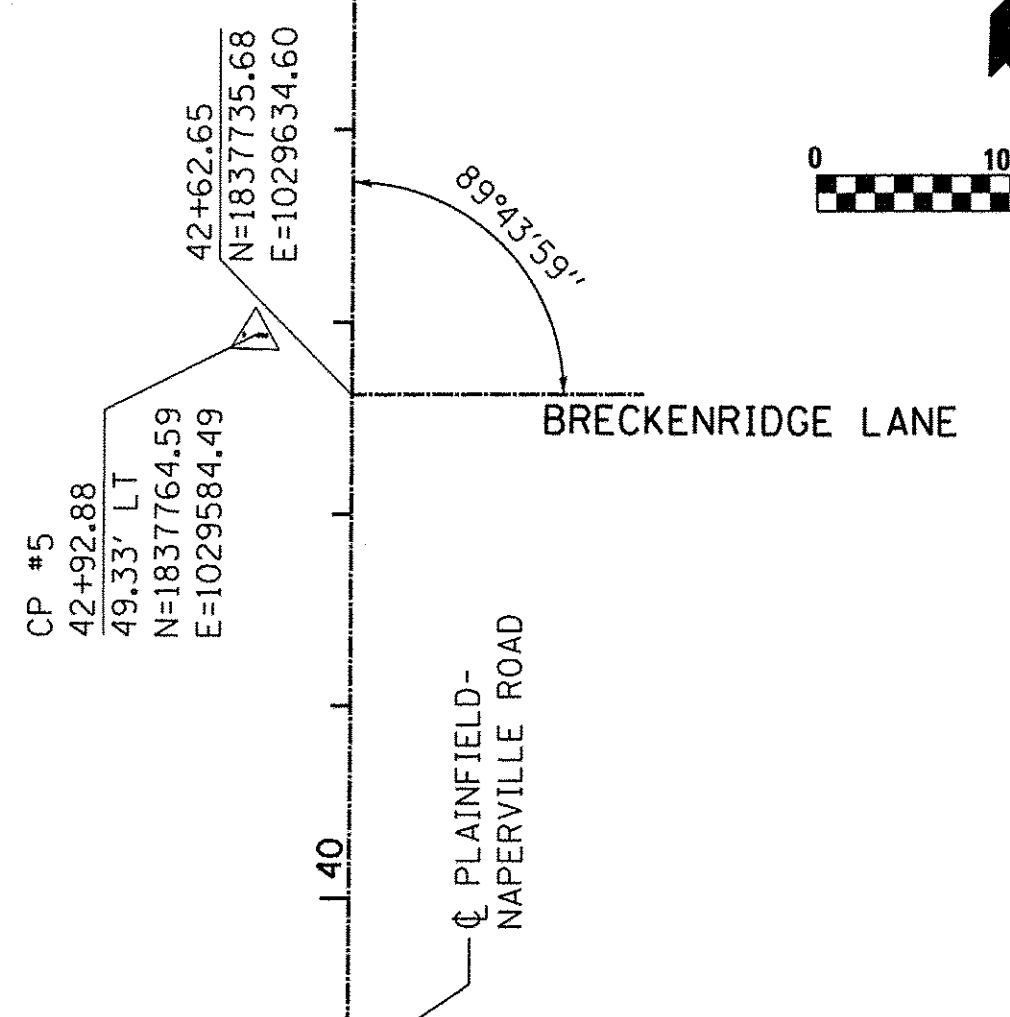
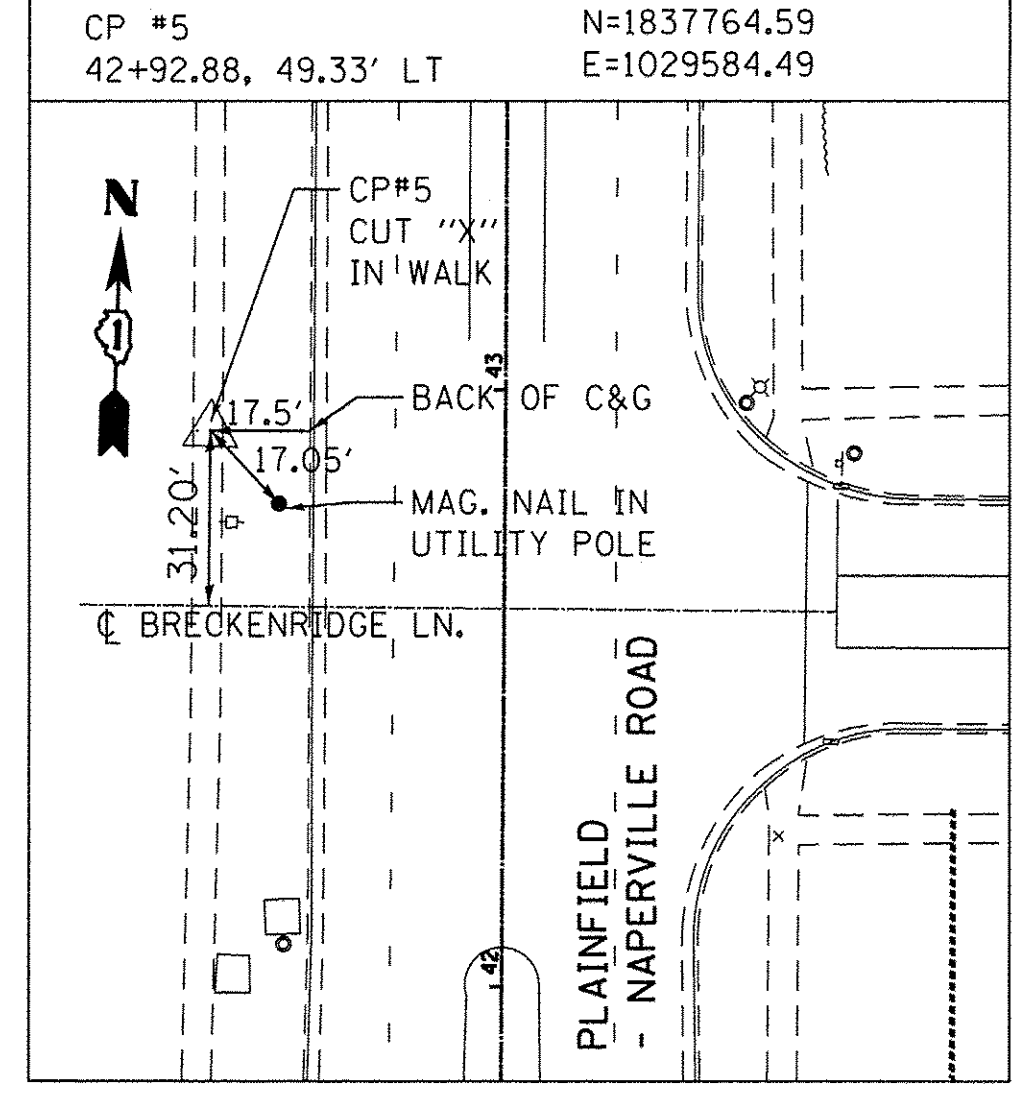
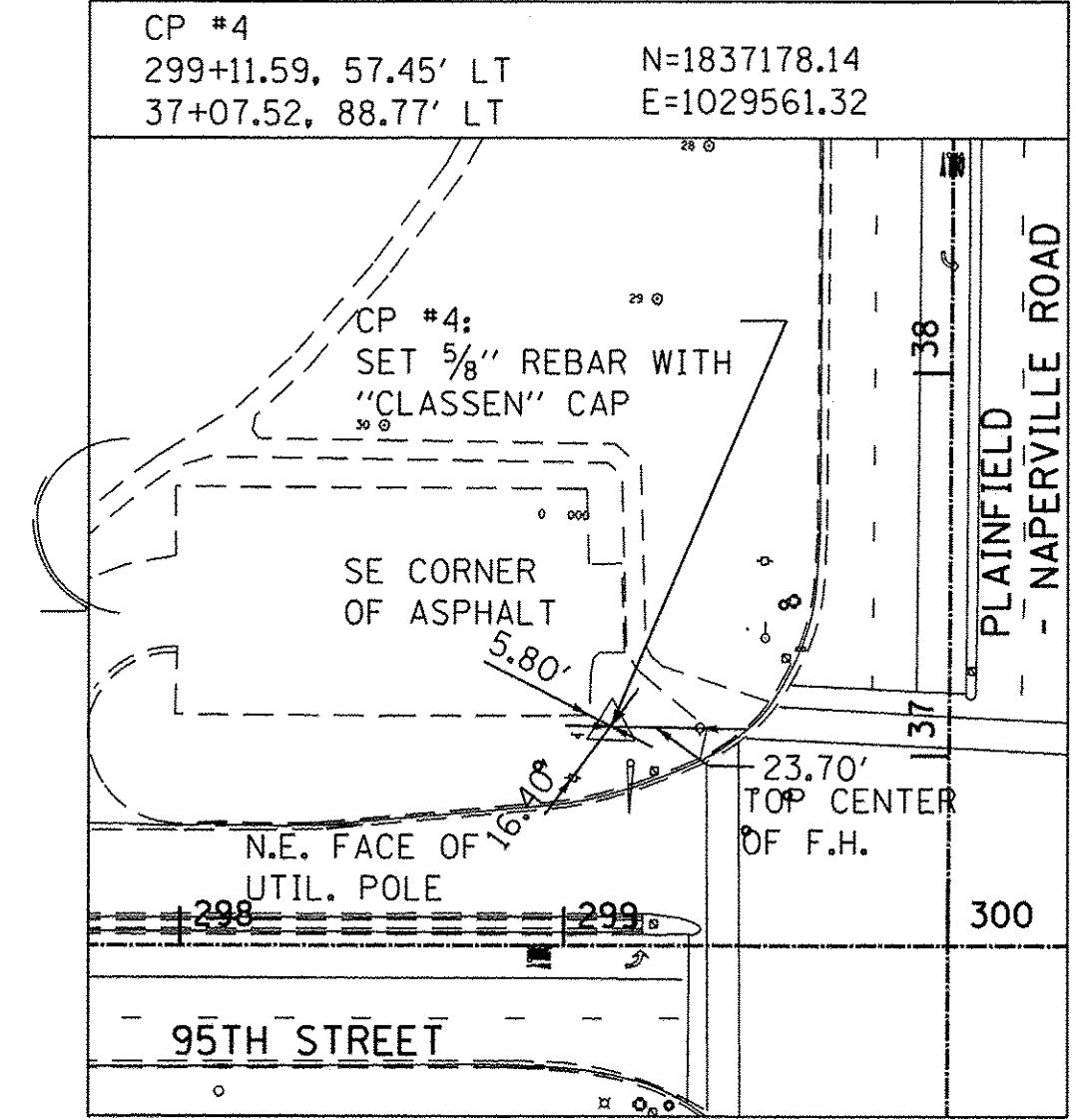
SCHEDULE OF QUANTITIES
 SCALE: NTS DRAWING NO. 3 OF 5 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	16
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

PROJECT BENCHMARK ELEVATIONS DATUM: N.G.V.D. OF 1929				
NO.	STATION OFFSET	COORDINATES	DESCRIPTION	ELEV.
6000	10+00.00 19.13' RT	N=1,829,757.51 E=1,029,881.52	CHISELED SQ. CUT ON TOP OF SE WINGWALL ON NAPERVILLE-PLAINFIELD RD. BRIDGE OVER THE DUPAGE RIVER (APPROX 450- FEET N. OF BOUGHTON RD.)	630.78
BM 11	363+79.51 0.95' RT	N=1,833,658.46 E=1,034,569.03	SO. CUT ON HEADWALL @ CENTERLINE OF 95TH EXTENTION ON SOUTH SIDE OF DUPAGE RIVER	632.67
BM 18	381+23.46 51.45' LT	N=1,832,138.39 E=1,035,334.96	X-CUT ON CONC. BASE COMBINATION MAST ARM ON NE. CORNER BOUGHTON RD. AND 95TH ST. EXTENSION	653.61
BM 20	324+49.39 756.22' LT	N=1,837,177.84 E=1,032,462.63	MINI RR. SPIKE IN N. FACE PP. ON S. SIDE 95TH ST. @ HOUSE 27 W 355 KNOCH KNOLL RD. (LOCATED APPROXIMATELY 950- FEET EAST OF 95TH ST)	664.86
BM 24	30+17.26 49.82' RT	N=1,836,491.92 E=1,029,719.48	MINI RR. SPIKE IN W. FACE OF 4TH POWER POLE SOUTH OF 95TH ST. ON E. SIDE NAPERVILLE-PLAINFIELD RD.	643.59
BM 25	28+24.25 50.13' RT	N=1,836,298.99 E=1,029,725.32	SO. CUT ON S. END HEADWALL ON E. SIDE NAPERVILLE-PLAINFIELD RD. @ SPRING CREEK	642.68
BM 26	294+53.69 35.19' LT	N=1,837,140.90 E=1,029,104.39	SO. CUT ON W. CORNER WINGWALL ON N. SIDE 95TH ST. @ BRIDGE OVER SPRING CREEK	649.16
BM 27	289+97.19 38.60' LT	N=1,837,129.36 E=1,028,648.02	SO. CUT CONC. BASE LT. POLE ON N. SIDE 95TH ST. OPPOSITE GATESHEAD DR.	662.90
OSBM 1	325+29.91 41.29' LT	N=1,836,581.32 E=1,032,057.54	NORTHERLY TAGGED BOLT OF FIRE HYDRANT ON NORTHERLY SIDE OF 95TH ST. EXTENSION 500'± EASTERLY OF KNOCH KNOLL RD.	658.13
OSBM 2	372+57.95 59.20' LT	N=1,832,963.55 E=1,035,123.11	"X" CUT ON NORTH BOLT OF FIRE HYDRANT @ SOUTH EAST CORNER OF ALAN DEATHRAGE DR. AND KINGS RD.	646.05

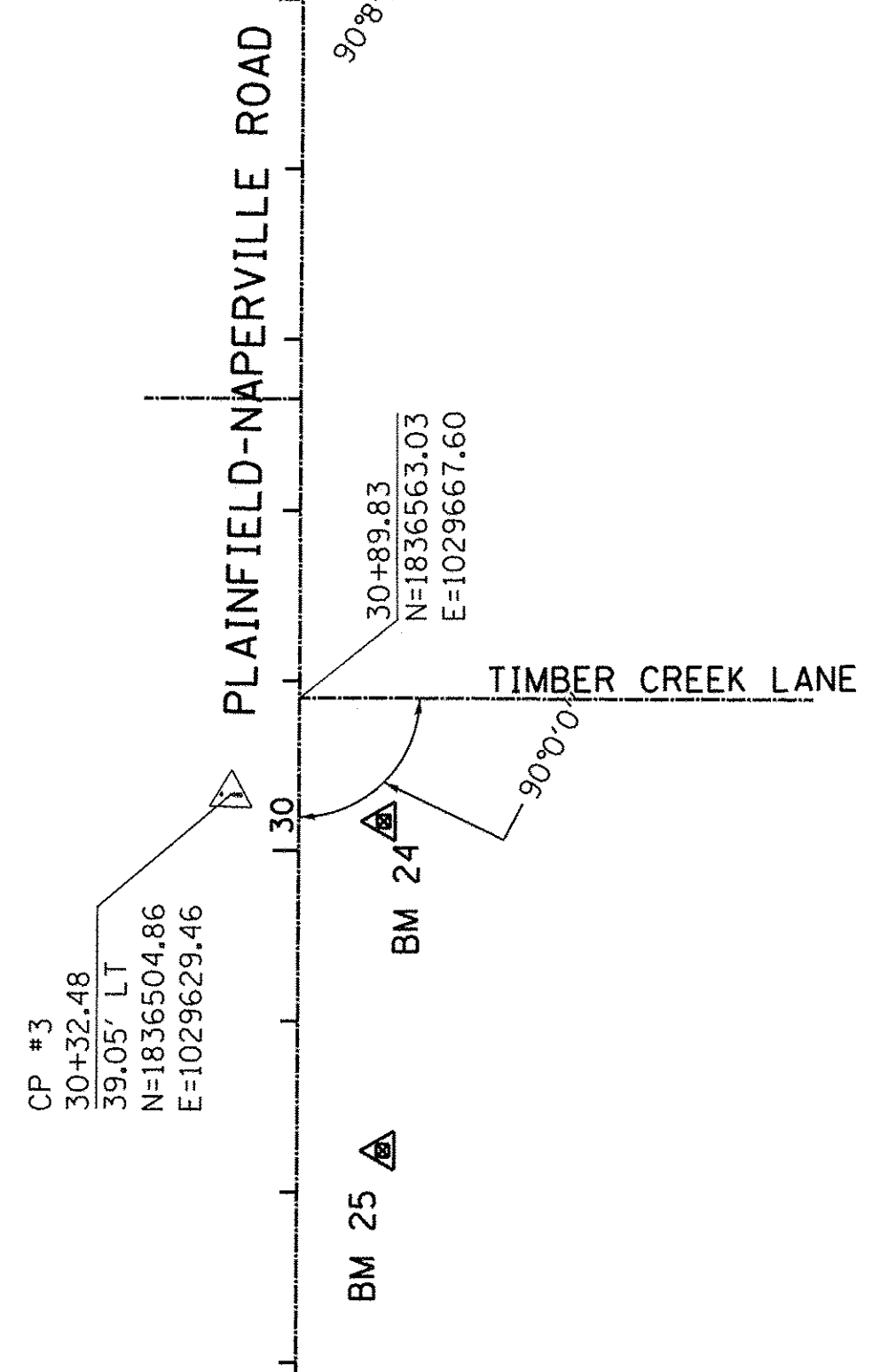
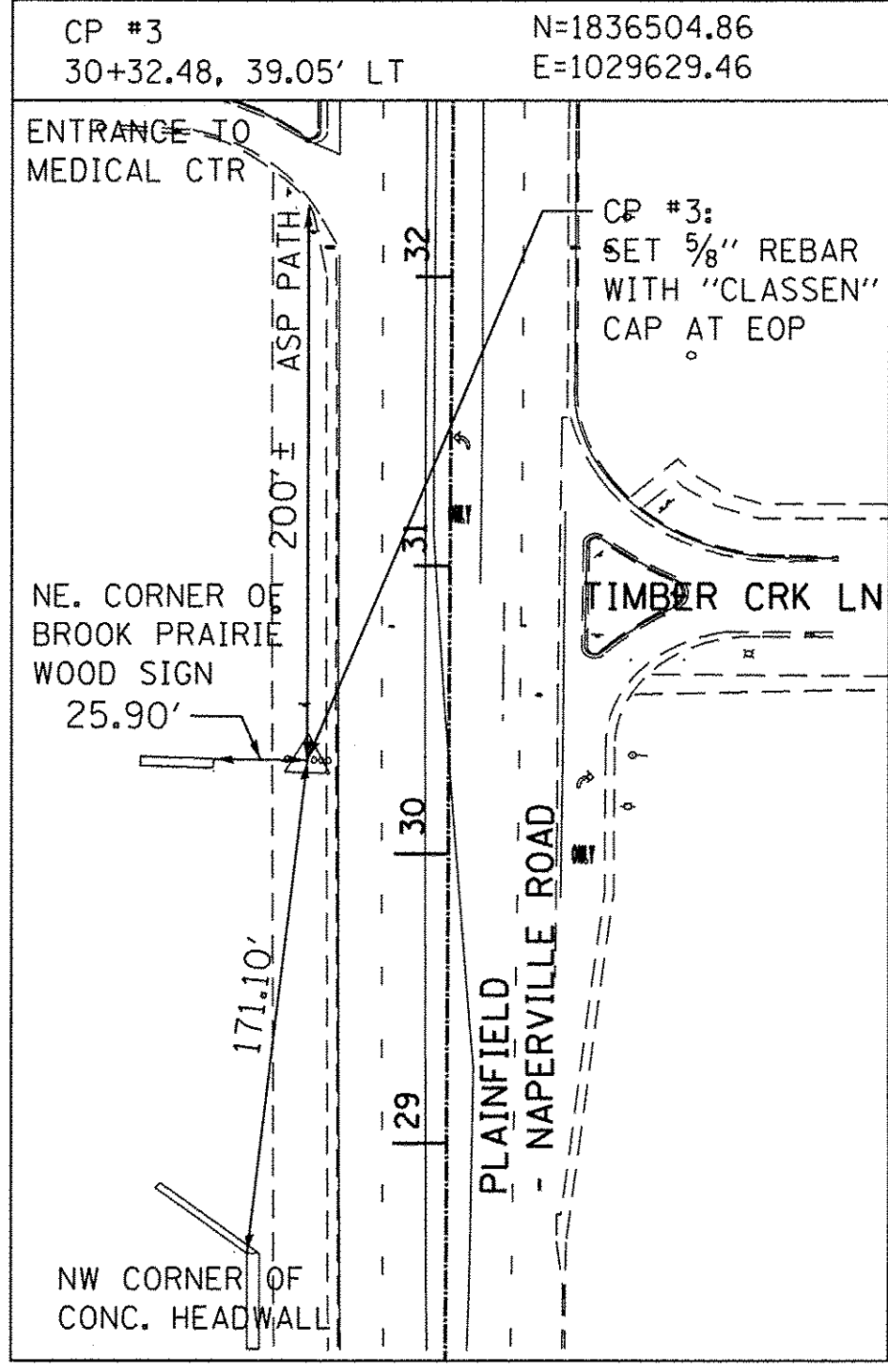
VERTICAL CONTROL DATUM IS NGVD 29 AND BENCHMARKS APPLY TO THIS PLAN SET ONLY.

NOTE: ALL BEARINGS, DISTANCES, AND COORDINATES SHOWN ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2007). COORDINATES SHOWN ARE GRID VALUES AND CAN BE CONVERTED TO GROUND VALUES BY DIVIDING BY THE SCALE FACTOR OF 0.9999776.



CONSTRUCTION LAYOUT: 95TH STREET		
STATION	NORTHING	EASTING
290+00.00	1,837,090.87	1,028,652.10
291+00.00	1,837,094.14	1,028,752.04
292+00.00	1,837,097.42	1,028,851.99
293+00.00	1,837,100.69	1,028,951.94
294+00.00	1,837,103.97	1,029,051.88
295+00.00	1,837,107.24	1,029,151.83
296+00.00	1,837,110.52	1,029,251.78
297+00.00	1,837,113.79	1,029,351.72
298+00.00	1,837,117.07	1,029,451.67
299+00.00	1,837,120.34	1,029,551.62
300+00.00	1,837,123.62	1,029,651.56
301+00.00	1,837,126.73	1,029,751.51
302+00.00	1,837,129.84	1,029,851.46
303+00.00	1,837,132.95	1,029,951.42
304+00.00	1,837,136.07	1,030,051.37
305+00.00	1,837,139.18	1,030,151.32

CONSTRUCTION LAYOUT: PLAINFIELD - NAPERVILLE ROAD		
STATION	NORTHING	EASTING
26+00.00	1,836,073.40	1,029,681.62
27+00.00	1,836,173.36	1,029,678.76
28+00.00	1,836,273.32	1,029,675.90
29+00.00	1,836,373.28	1,029,673.03
30+00.00	1,836,473.24	1,029,670.17
31+00.00	1,836,573.20	1,029,667.31
32+00.00	1,836,673.16	1,029,664.45
33+00.00	1,836,773.12	1,029,661.59
34+00.00	1,836,873.07	1,029,658.73
35+00.00	1,836,973.03	1,029,655.87
36+00.00	1,837,072.99	1,029,653.01
37+00.00	1,837,172.95	1,029,650.26
38+00.00	1,837,272.92	1,029,647.62
39+00.00	1,837,372.89	1,029,644.99
40+00.00	1,837,472.85	1,029,642.35
41+00.00	1,837,572.82	1,029,639.72
42+00.00	1,837,672.78	1,029,637.08
43+00.00	1,837,772.75	1,029,634.45
44+00.00	1,837,872.71	1,029,631.81
45+00.00	1,837,972.68	1,029,629.18
46+00.00	1,838,072.64	1,029,626.54
47+00.00	1,838,172.61	1,029,623.91
48+00.00	1,838,272.57	1,029,621.27
49+00.00	1,838,372.54	1,029,618.64
50+00.00	1,838,472.50	1,029,616.00



FILE NAME = p:\MCDH\25367381\95th\Drawings\Contract\North\Roadway\Alignment\Sheet\align-0801.dgn

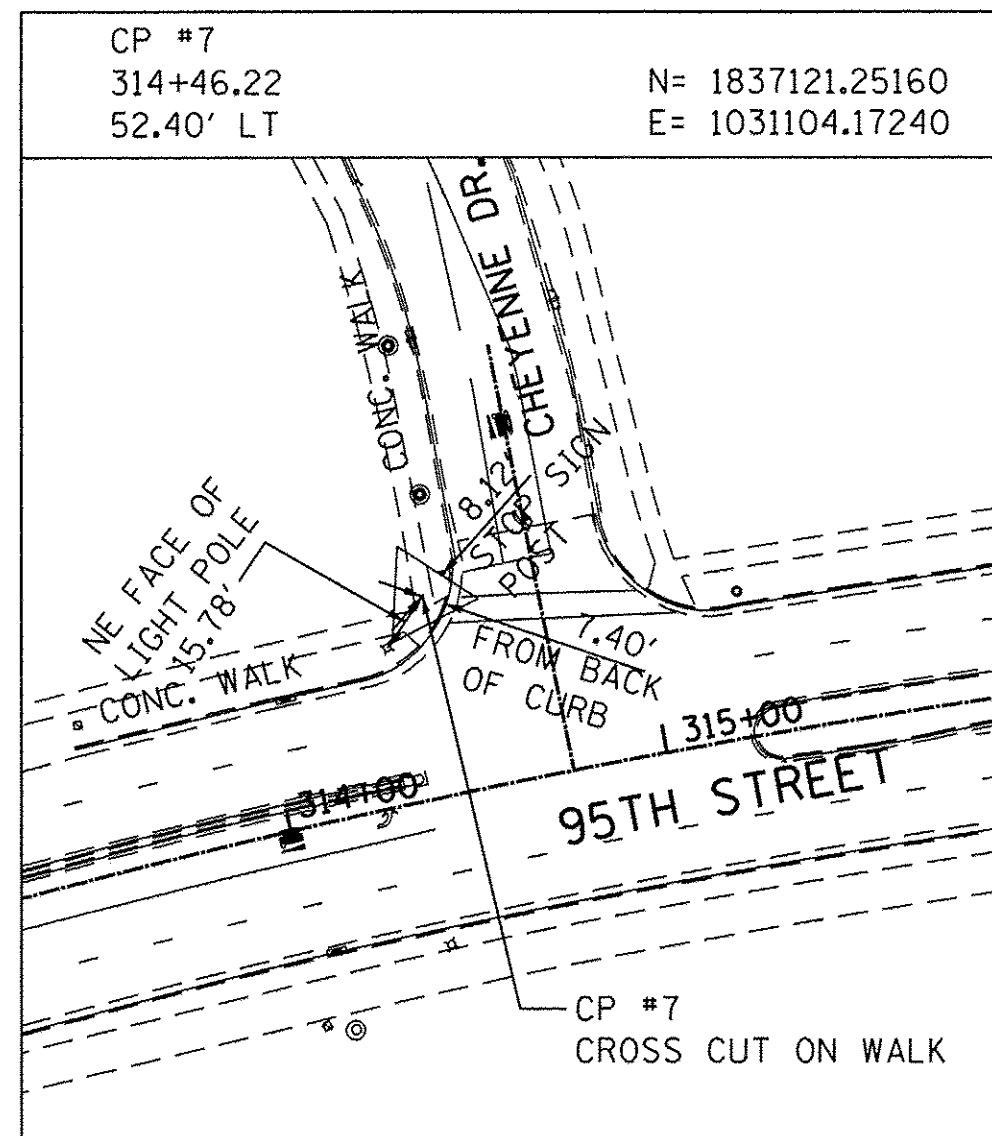


USER NAME = james.push	DESIGNED - JRP	REVISED -
PLOT SCALE = 100.0000' / 1 in.	DRAWN - MRF	REVISED -
PLOT DATE = 1/21/2016	CHECKED - JRP	REVISED -
	DATE - 01/20/2016	REVISED -

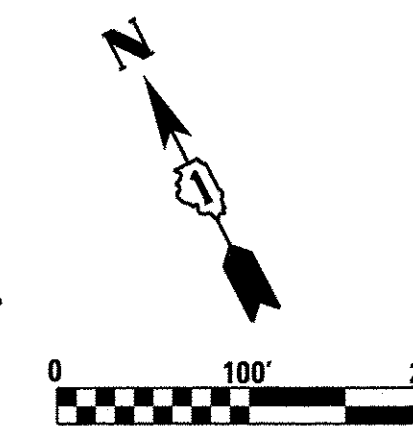
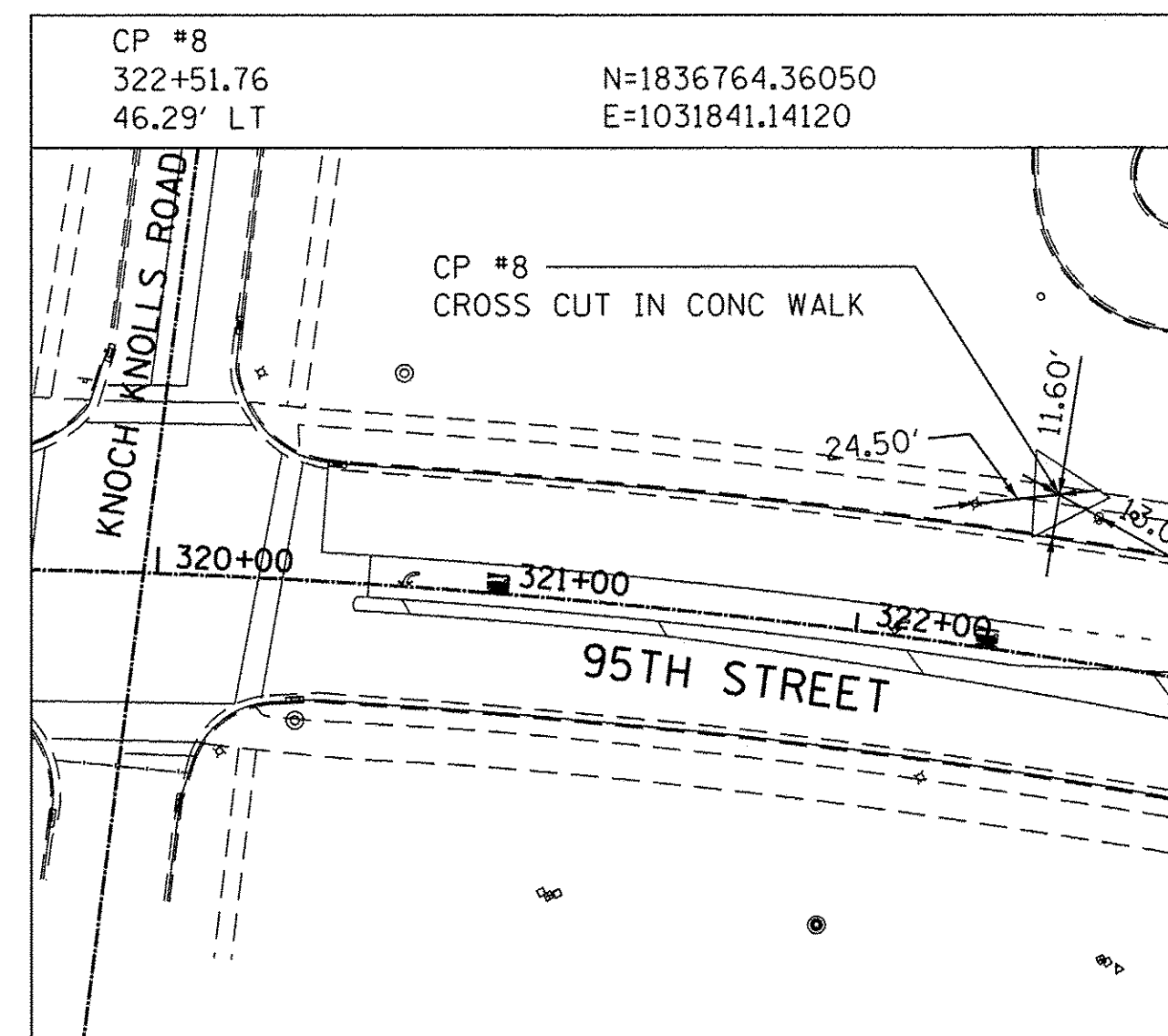
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

95TH STREET ALIGNMENT, TIES, AND BENCHMARKS	
SCALE: 1" = 100'	DRAWING NO. 1 OF 2
STA.	TO STA.

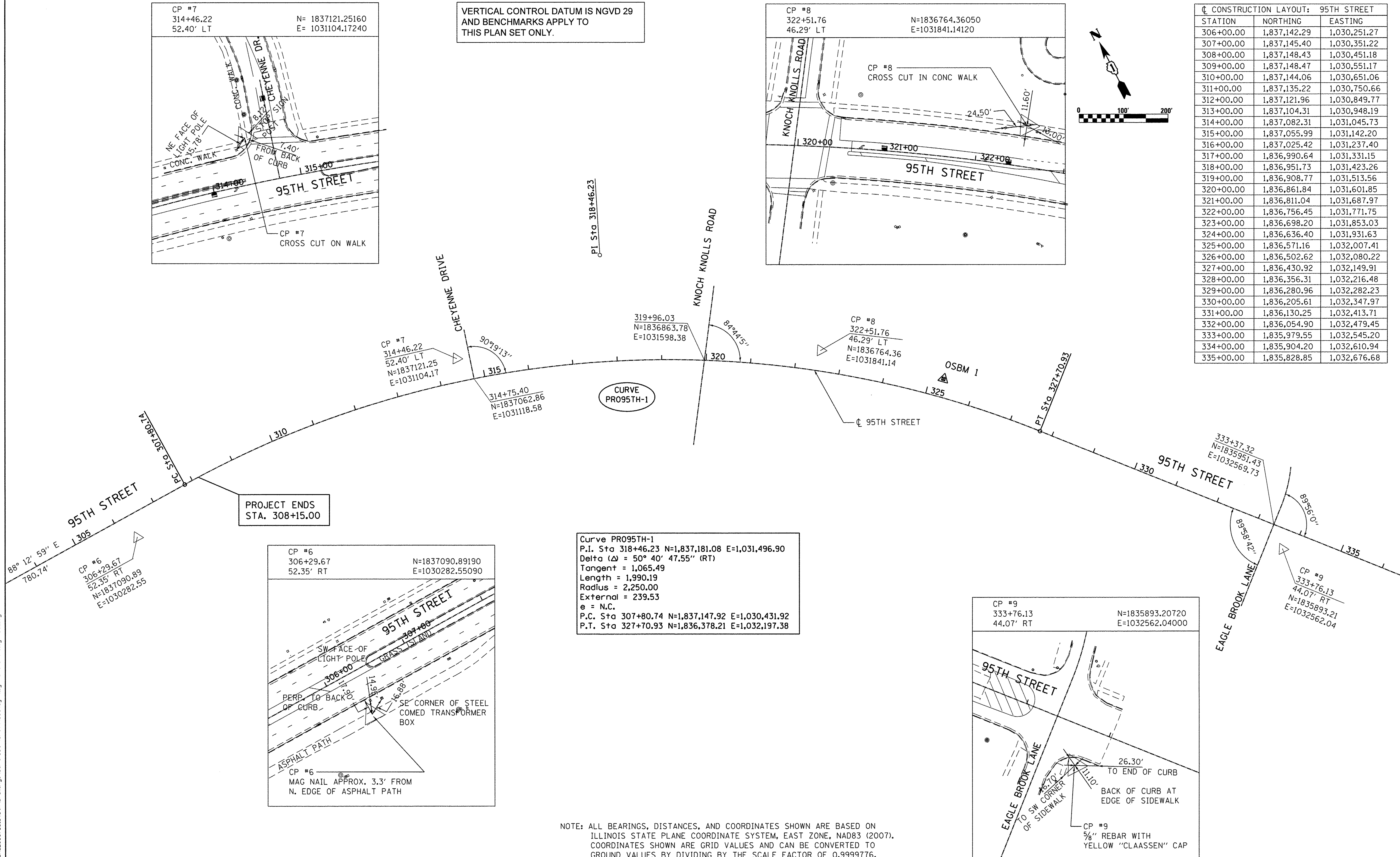
F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 17
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				



VERTICAL CONTROL DATUM IS NGVD 29
AND BENCHMARKS APPLY TO
THIS PLAN SET ONLY.



CONSTRUCTION LAYOUT: 95TH STREET		
STATION	NORTHING	EASTING
306+00.00	1,837,142.29	1,030,251.27
307+00.00	1,837,145.40	1,030,351.22
308+00.00	1,837,148.43	1,030,451.18
309+00.00	1,837,148.47	1,030,551.17
310+00.00	1,837,144.06	1,030,651.06
311+00.00	1,837,135.22	1,030,750.66
312+00.00	1,837,121.96	1,030,849.77
313+00.00	1,837,104.31	1,030,948.19
314+00.00	1,837,082.31	1,031,045.73
315+00.00	1,837,055.99	1,031,142.20
316+00.00	1,837,025.42	1,031,237.40
317+00.00	1,836,990.64	1,031,331.15
318+00.00	1,836,951.73	1,031,423.26
319+00.00	1,836,908.77	1,031,513.56
320+00.00	1,836,861.84	1,031,601.85
321+00.00	1,836,811.04	1,031,687.97
322+00.00	1,836,756.45	1,031,771.75
323+00.00	1,836,698.20	1,031,853.03
324+00.00	1,836,636.40	1,031,931.63
325+00.00	1,836,571.16	1,032,007.41
326+00.00	1,836,502.62	1,032,080.22
327+00.00	1,836,430.92	1,032,149.91
328+00.00	1,836,356.31	1,032,216.48
329+00.00	1,836,280.96	1,032,282.23
330+00.00	1,836,205.61	1,032,347.97
331+00.00	1,836,130.25	1,032,413.71
332+00.00	1,836,054.90	1,032,479.45
333+00.00	1,835,979.55	1,032,545.20
334+00.00	1,835,904.20	1,032,610.94
335+00.00	1,835,828.85	1,032,676.68



PROJECT ENDS
STA. 308+15.00

Curve PR095TH-1
P.I. Sta 318+46.23 N=1,837,181.08 E=1,031,496.90
Delta (Δ) = 50° 40' 47.55" (RT)
Tangent = 1,065.49
Length = 1,990.19
Radius = 2,250.00
External = 239.53
e = N.C.
P.C. Sta 307+80.74 N=1,837,147.92 E=1,030,431.92
P.T. Sta 327+70.93 N=1,836,378.21 E=1,032,197.38

NOTE: ALL BEARINGS, DISTANCES, AND COORDINATES SHOWN ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2007). COORDINATES SHOWN ARE GRID VALUES AND CAN BE CONVERTED TO GROUND VALUES BY DIVIDING BY THE SCALE FACTOR OF 0.9999776.

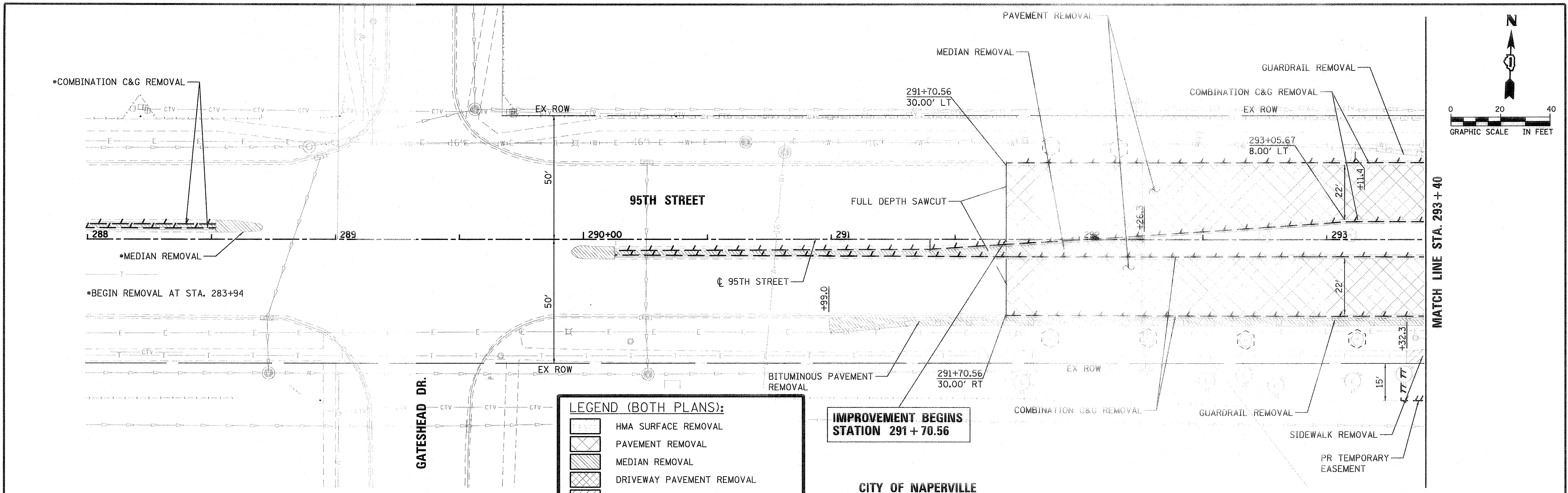
FILE NAME = p:\VCD04L25367381_95th\Drawings\Contract\North\Roadway\Alignment\shtr-align-002.dgn



USER NAME = James_push	DESIGNED - JRP	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - MRF	REVISED -
PLOT DATE = 1/21/2016	CHECKED - JRP	REVISED -
	DATE - 01/20/2016	REVISED -

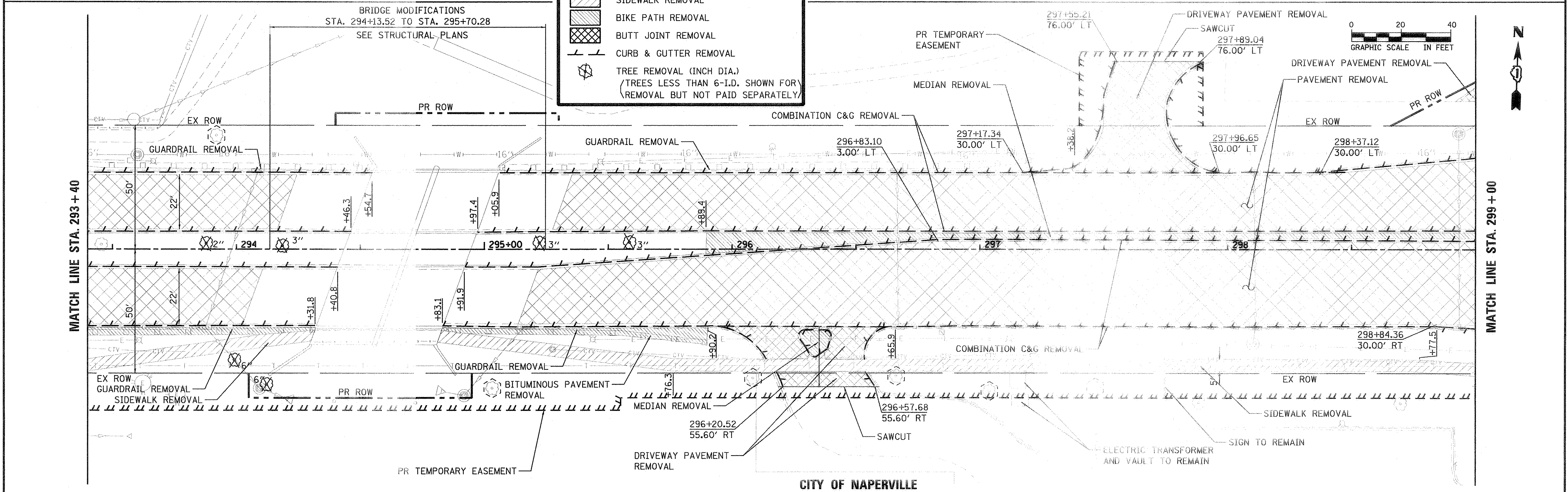
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

95TH STREET ALIGNMENT, TIES, AND BENCHMARKS		F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 18
SCALE: 1" = 100'	DRAWING NO. 2 OF 2	STA.	TO STA.	CONTRACT NO. 61A30		
ILLINOIS FED. AID PROJECT						



LEGEND (BOTH PLANS):

- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- MEDIAN REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- BIKE PATH REMOVAL
- BUTT JOINT REMOVAL
- CURB & GUTTER REMOVAL
- TREE REMOVAL (INCH DIA.)
(TREES LESS THAN 6"-I.D. SHOWN FOR REMOVAL BUT NOT PAID SEPARATELY)



USER NAME: nicholas.solarico
 PLOT SCALE: 1/4"=20'
 PLOT DATE: 3/21/2016

DESIGNED: JRP
 DRAWN: MRF
 CHECKED: JRP
 DATE: 03/21/2016

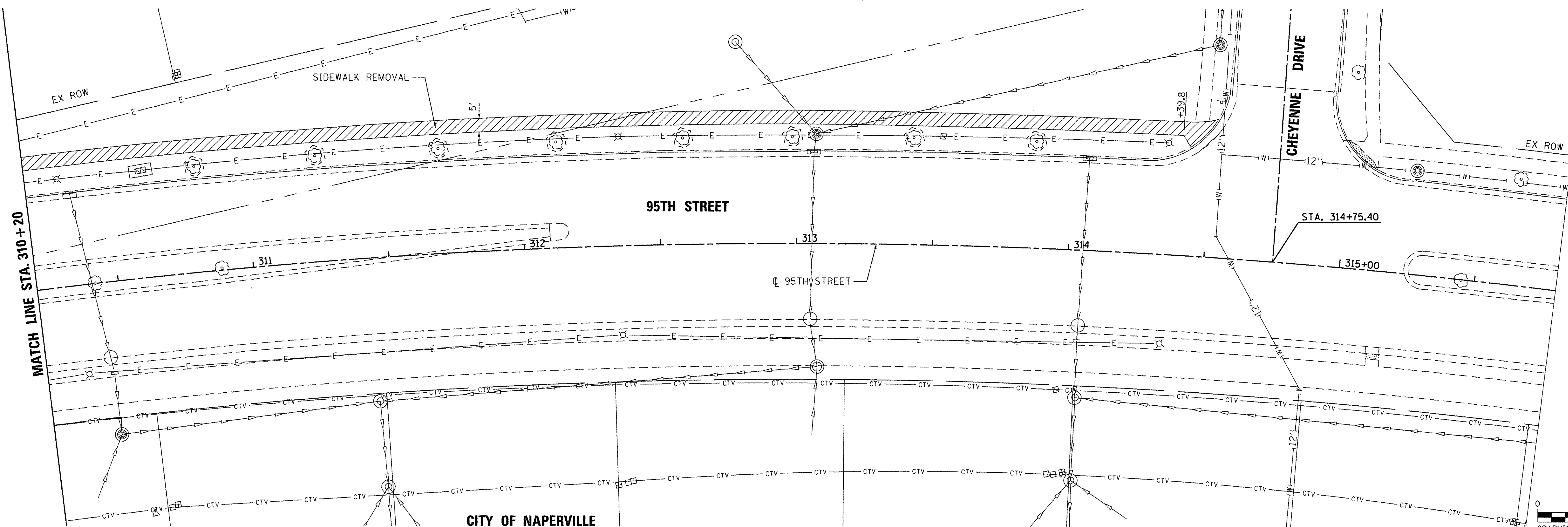
REVISED: -
 REVISED: -
 REVISED: -
 REVISED: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

95TH STREET
 REMOVAL PLANS

SCALE: 1"=20' DRAWING NO. 1 OF 5 STA. 288+00 TO STA. 299+00

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A30	



LEGEND (BOTH PLANS):

	HMA SURFACE REMOVAL
	PAVEMENT REMOVAL
	MEDIAN REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	BIKE PATH REMOVAL
	BUTT JOINT REMOVAL
	CURB & GUTTER REMOVAL
	TREE REMOVAL (INCH DIA.) (TREES LESS THAN 6-INCH DIA. SHOWN FOR REMOVAL BUT NOT PAID SEPARATELY)

FILE NAME = p:\MCD00H_25367281_95th Drawings\Contract\North\Roadway\Removals\Sh+Rem-003.dgn



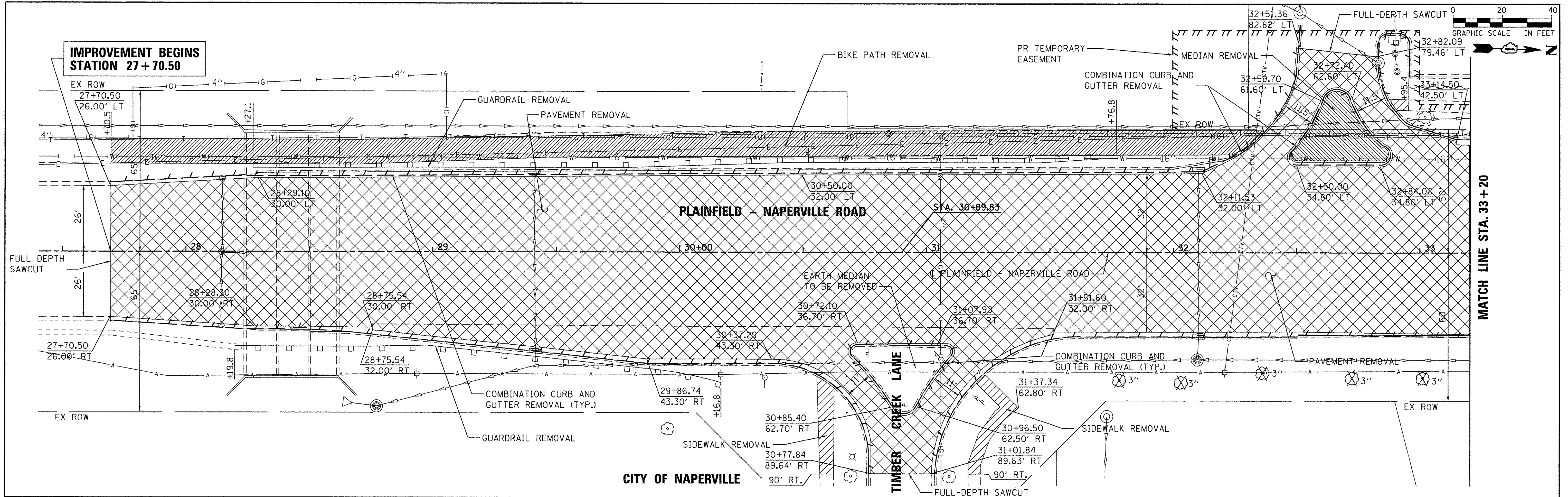
USER NAME = james.push	DESIGNED - JRP	REVISED -
DRAWN - MRF	CHECKED - JRP	REVISED -
PLLOT SCALE = 20.0000' / 1"	DATE - 01/20/2016	REVISED -
PLLOT DATE = 1/21/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

95TH STREET REMOVAL PLANS		
SCALE: 1"=20'	DRAWING NO. 3 OF 5	STA. 310+20 TO STA. 321+40

F.A.J. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 21
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

**IMPROVEMENT BEGINS
STATION 27+70.50**



MATCH LINE STA. 33+20

MATCH LINE STA. 33+20

MATCH LINE STA. 35+70

MATCH LINE STA. 37+30

MATCH LINE STA. 38+80

LEGEND (BOTH PLANS):

- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- MEDIAN REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- BIKE PATH REMOVAL
- BUTT JOINT REMOVAL
- CURB & GUTTER REMOVAL
- TREE REMOVAL (INCH DIA.)
(TREES LESS THAN 6"-I.D. SHOWN FOR REMOVAL BUT NOT PAID SEPARATELY)

STA. 36+50.64 =
 STA. 300+00.00
95TH STREET
 SEE DRAWING NO. 2 OF 5 FOR
 CONTINUATION ALONG 95TH STREET



USER NAME = james_push	DESIGNED - JRP	REVISED -
PLOT SCALE = 20,000' / 1" =	DRAWN - MRF	REVISED -
PLOT DATE = 1/21/2016	CHECKED - JRP	REVISED -
	DATE - 01/20/2016	REVISED -

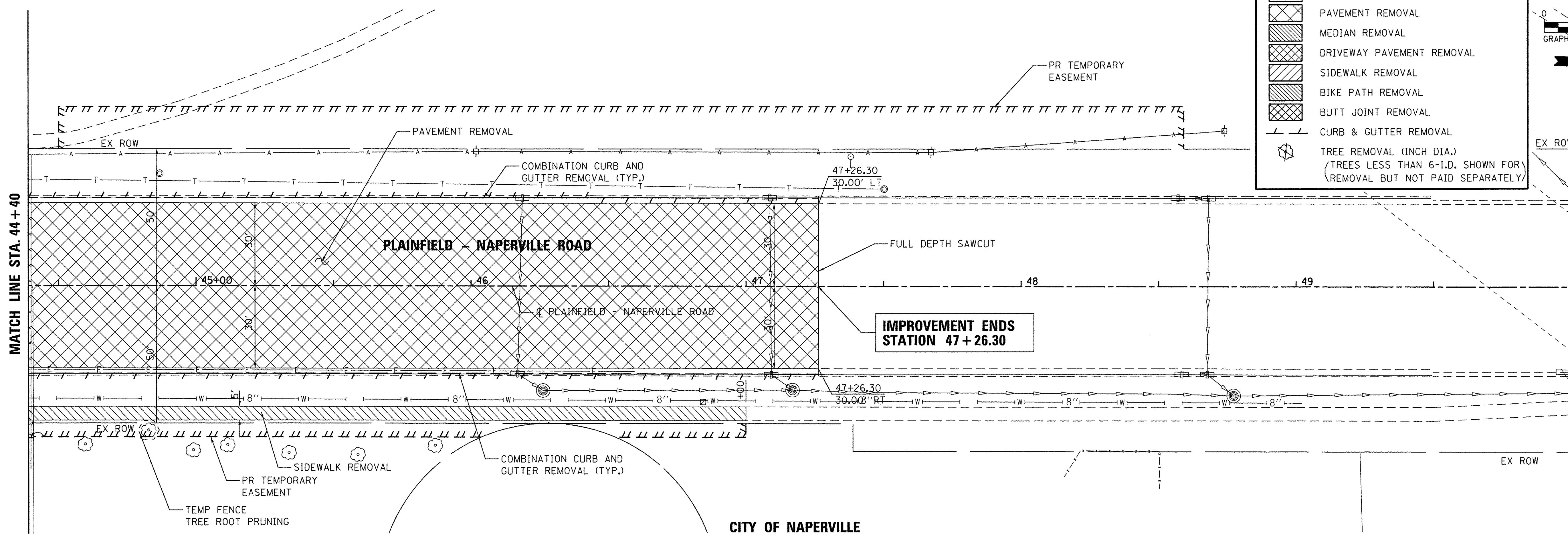
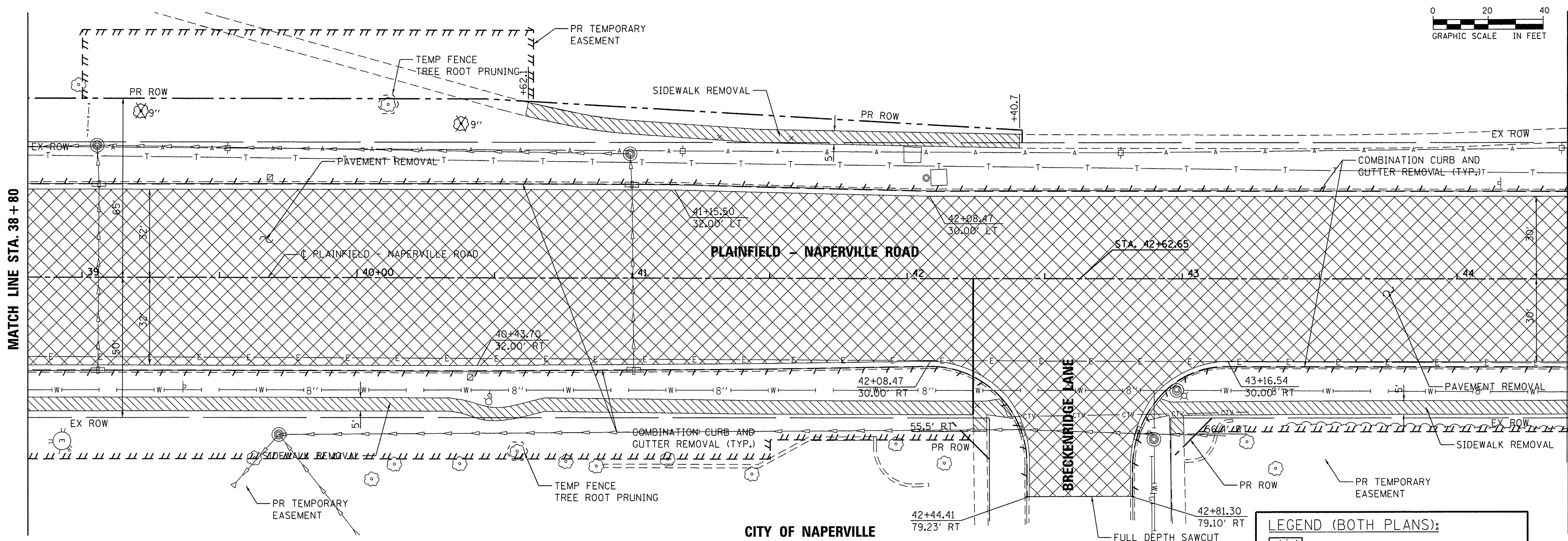
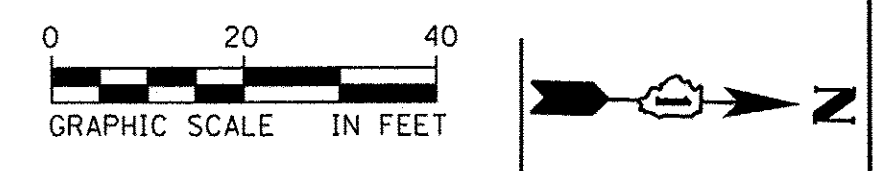
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD-NAPERVILLE ROAD
REMOVAL PLANS**

SCALE: 1"=20' DRAWING NO. 4 OF 5 STA. 27+70.50 TO STA. 38+80

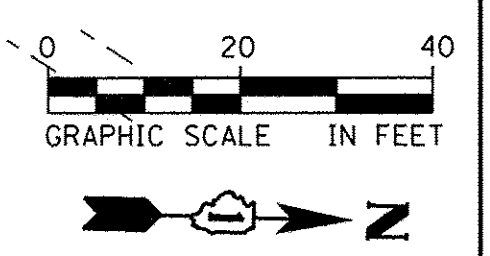
F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 22
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

FILE NAME = pt:\CDD04_25367381_95th\Drawings\Contract\North\Roadway\Removals\Sheet\Rem-010.dgn



LEGEND (BOTH PLANS):

- HMA SURFACE REMOVAL
- PAVEMENT REMOVAL
- MEDIAN REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- BIKE PATH REMOVAL
- BUTT JOINT REMOVAL
- CURB & GUTTER REMOVAL
- TREE REMOVAL (INCH DIA.)
(TREES LESS THAN 6-I.D. SHOWN FOR REMOVAL BUT NOT PAID SEPARATELY)



FILE NAME = s:\MCD04L25367381_95th\Drawings\Contract\North\Roadway\Removals\Shr-Rem-01.dgn



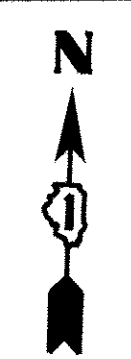
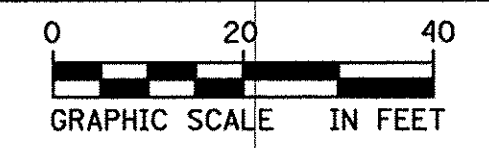
USER NAME = James_push	DESIGNED - JRP	REVISED -
PLOT SCALE = 20,0000' / 1"	DRAWN - MRF	REVISED -
PLOT DATE = 1/21/2016	CHECKED - JRP	REVISED -
	DATE - 01/20/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAINFIELD-NAPERVILLE ROAD REMOVAL PLANS		F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 23
SCALE: 1"=20'	DRAWING NO. 5 OF 5	STA. 38+80	TO STA. 48+59.18		ILLINOIS FED. AID PROJECT	

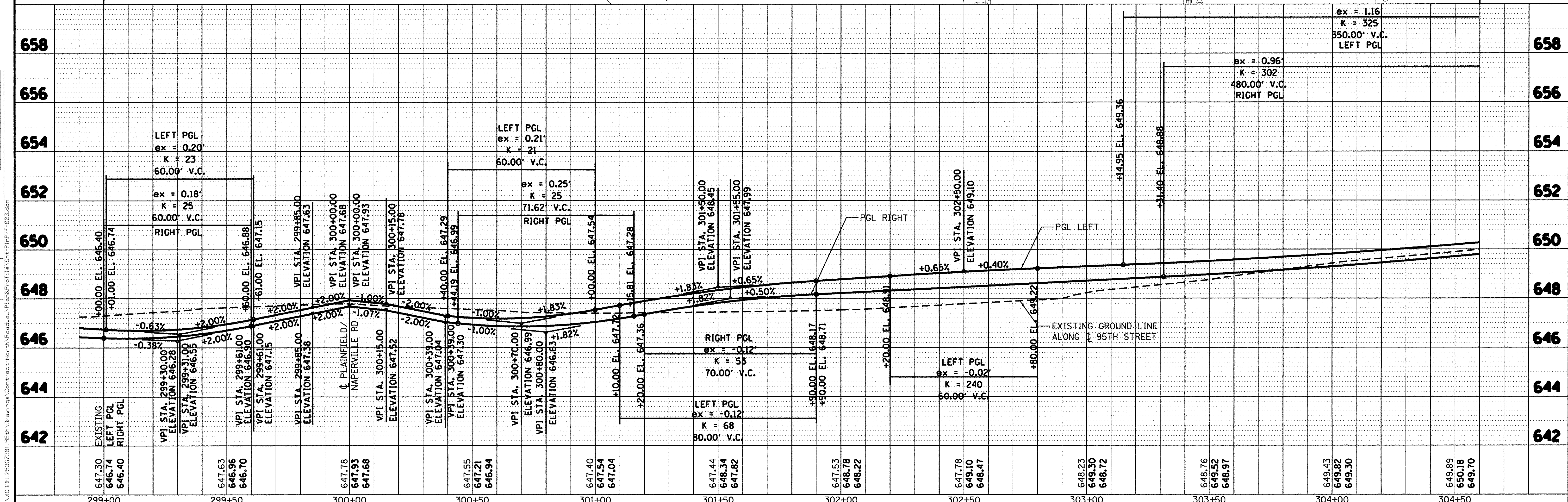
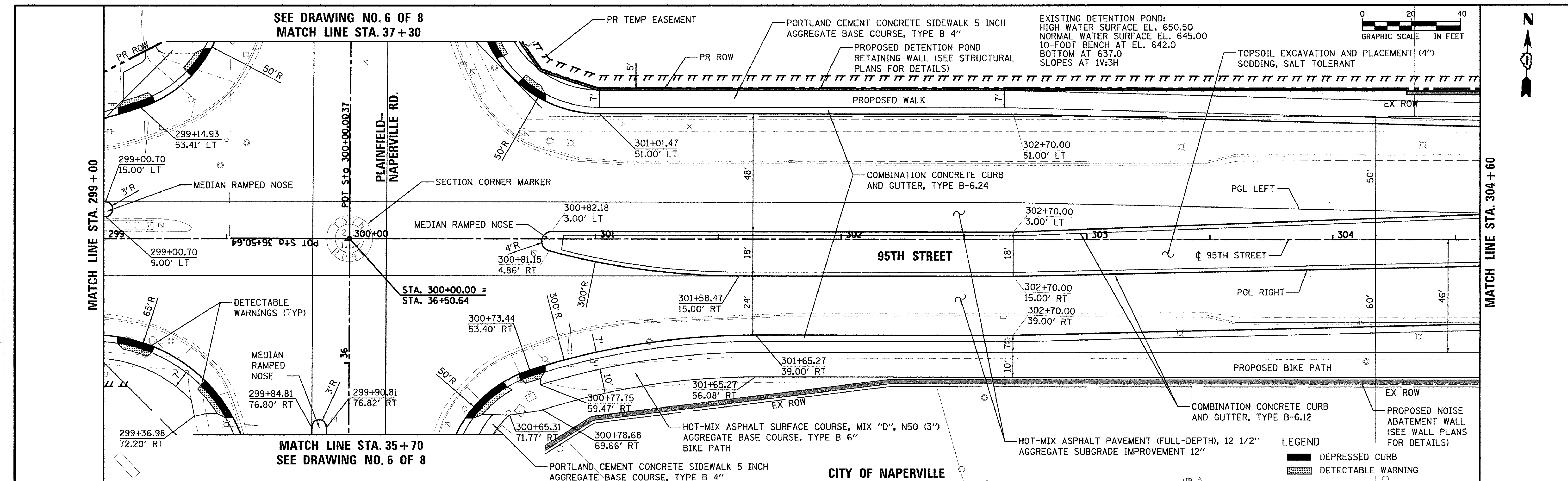
F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 23
CONTRACT NO. 61A30				

SEE DRAWING NO. 6 OF 8
MATCH LINE STA. 37 + 30



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

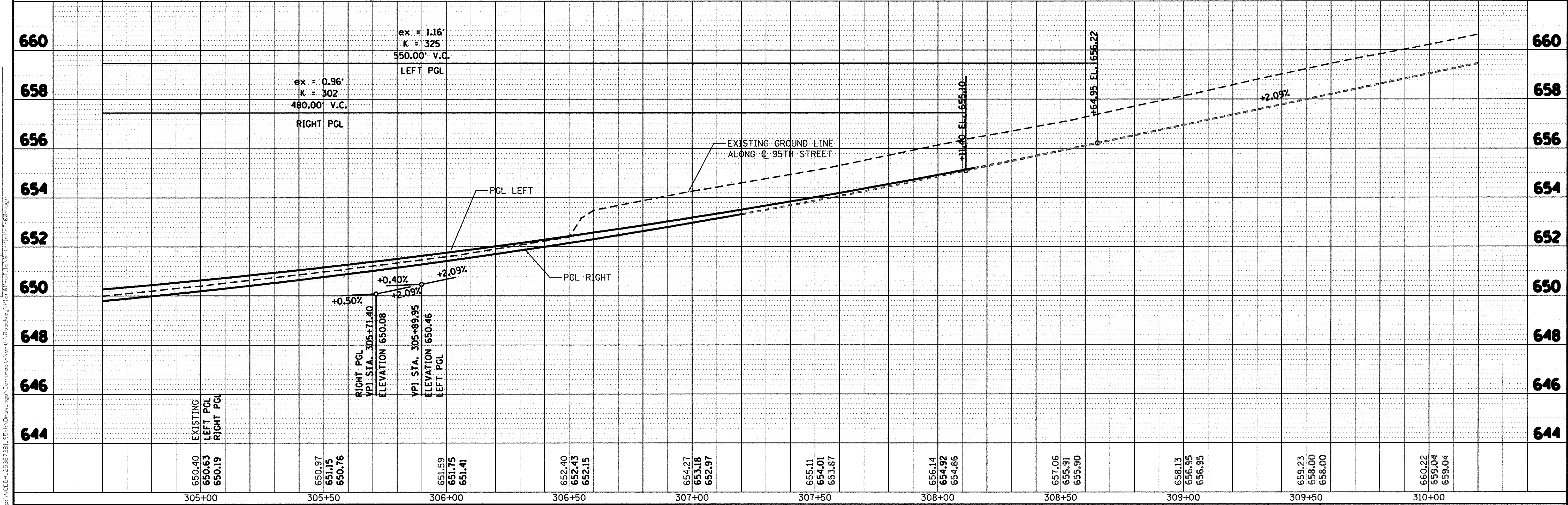
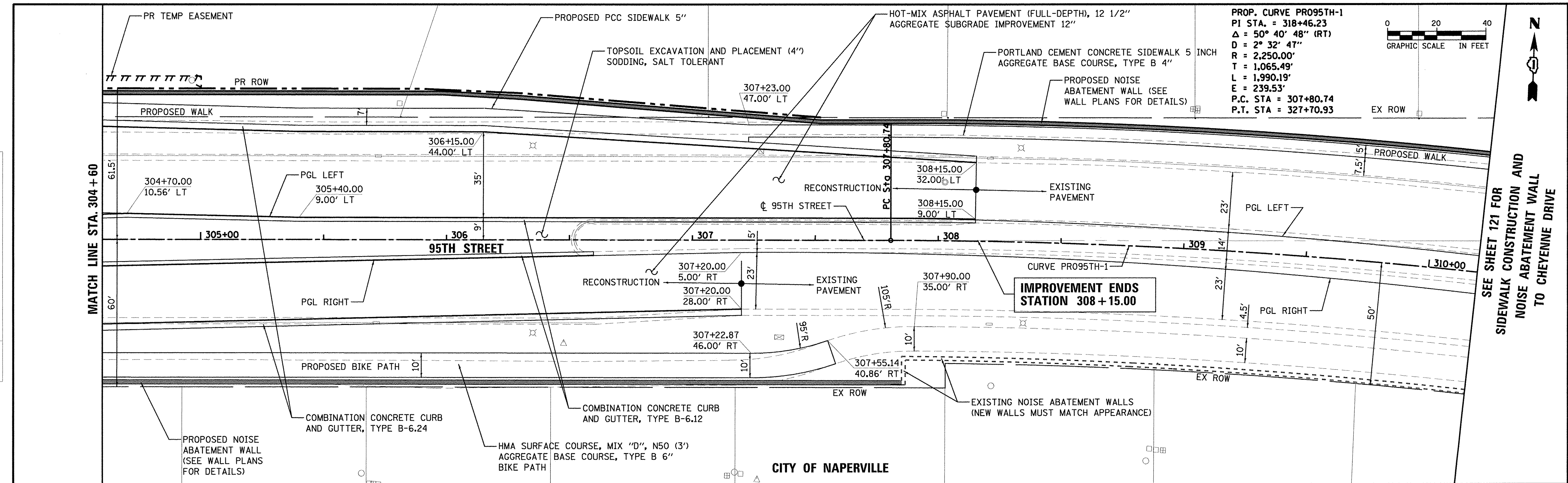
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NO. _____		



	USER NAME = james.push	DESIGNED - JRP	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	95TH STREET ROADWAY PLAN & PROFILE		F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 26	
	PLOT SCALE = 40.0000' / 1"	DRAWN - MRF	REVISED		SCALE: 1"=20'	DRAWING NO. 3 OF 8	STA. 299+00 TO STA. 304+60	CONTRACT NO. 61A30		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 10/14/2016	CHECKED - JRP	REVISED									
		DATE - 10/13/2016	REVISED									

PLAN SURVEYED BY DATE
 ALIGNED CHECKED
 RT. OF WAY CHECKED
 NOTE BOOK NO. FILE NAME

PROFILE SURVEYED BY DATE
 GRADES CHECKED
 B.M. NOTED
 STRUCTURE NOTATION CHKD
 NO. FILE NAME



USER NAME = james.push
 DESIGNED - JRP
 DRAWN - MRF
 CHECKED - JRP
 DATE - 10/13/2016

REVISIONS
 REVISED
 REVISED
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

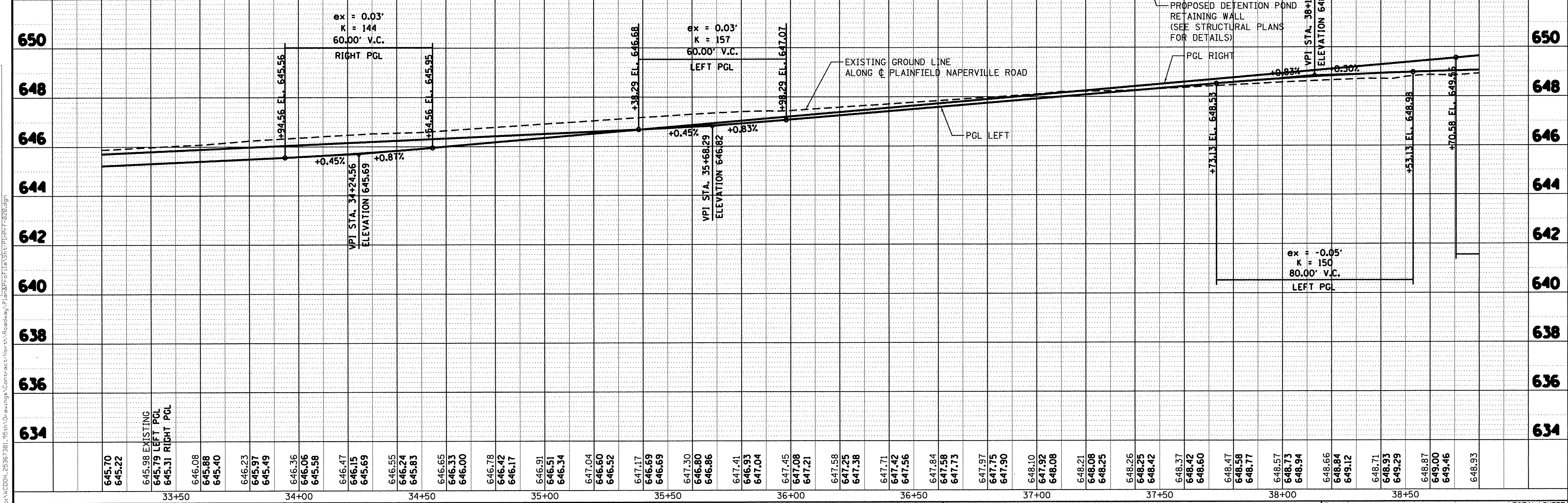
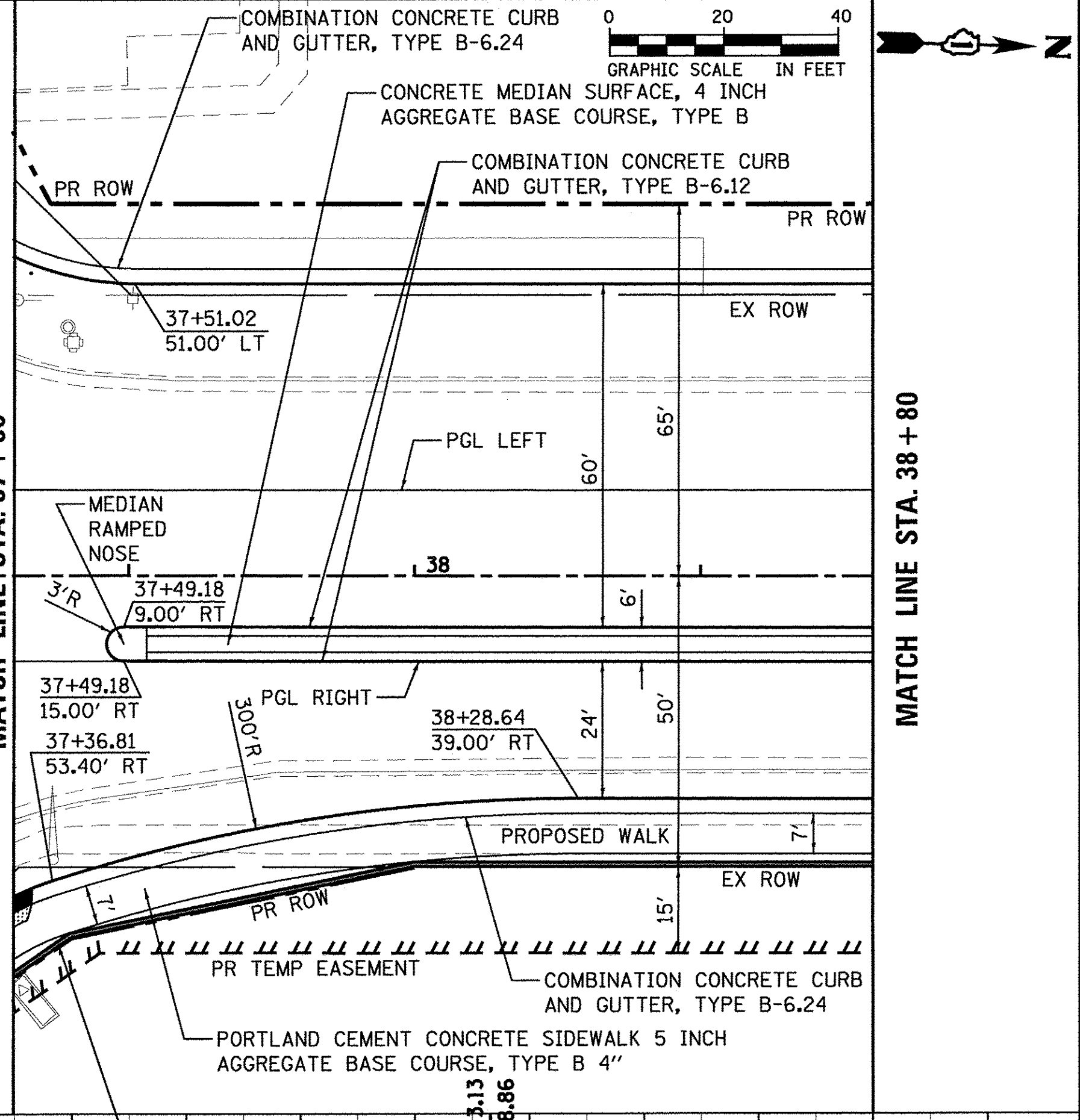
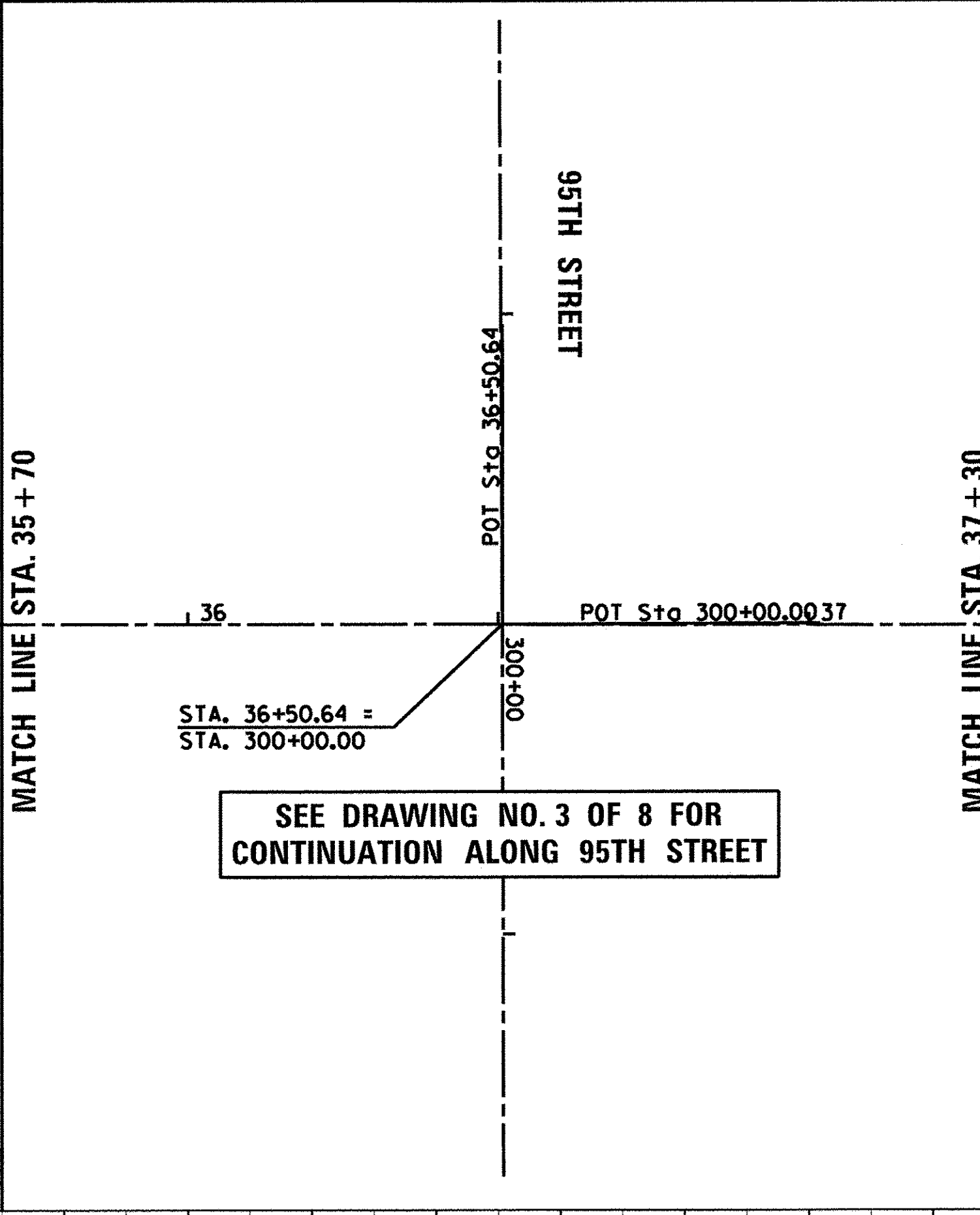
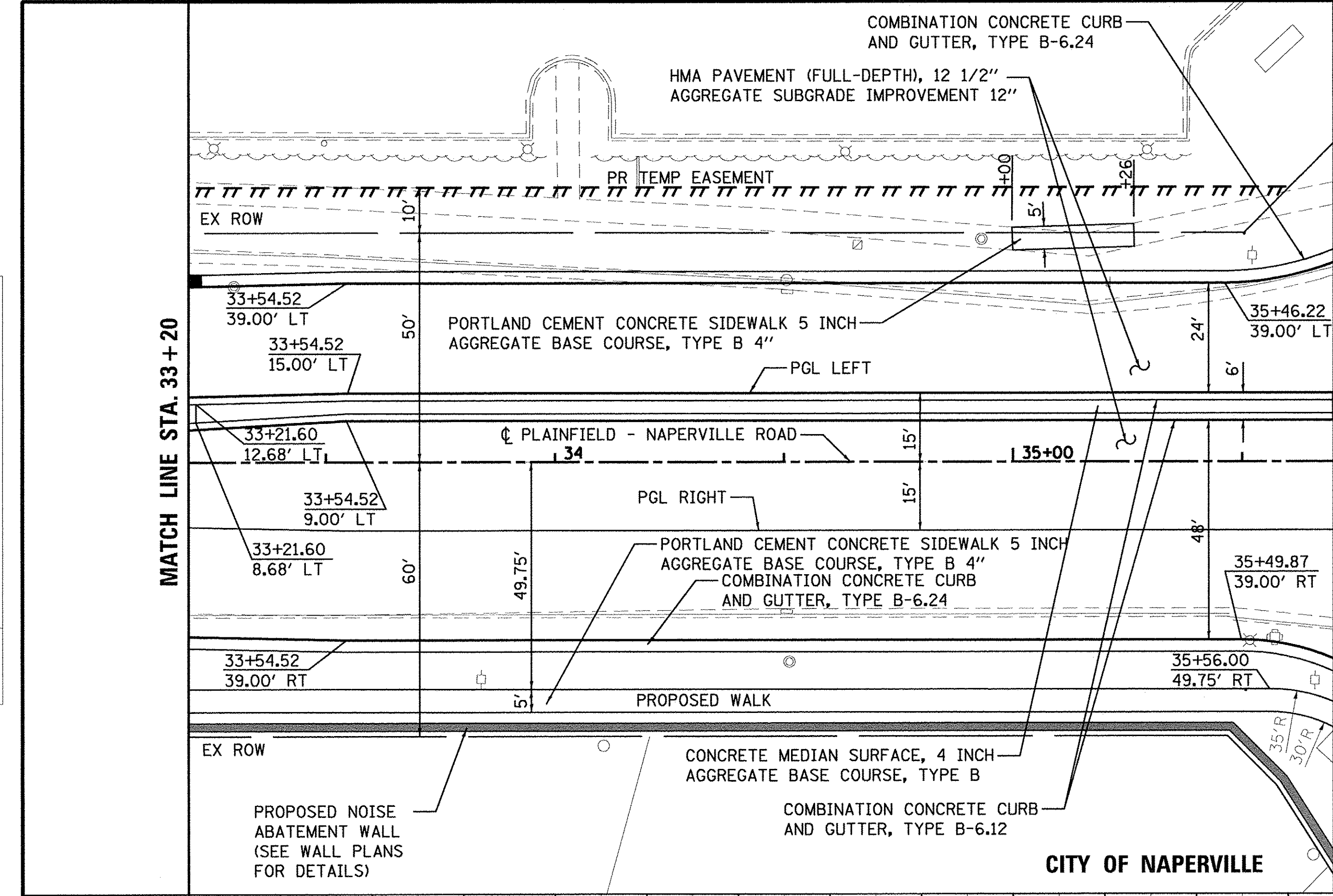
95TH STREET
 ROADWAY PLAN & PROFILE
 SCALE: 1"=20' DRAWING NO. 4 OF 8 STA. 304+60 TO STA. 310+20

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 27
CONTRACT NO. 61A30			ILLINOIS FED. AID PROJECT	

FILE NAME = p:\VCDH\25387381_95th\Drawings\Contract\North\Roadway\Plan&Profile\11a\Shc-P11a-F2016.dgn

PLAN	SURVEYED	BY	DATE
NO. _____	ALIGNED		
NO. _____	CHECKED		
NO. _____	RT. OF WAY		
NO. _____	PAID FILE NAME		

PROFILE	SURVEYED	BY	DATE
NO. _____	PLOTTED		
NO. _____	BAW. NOTED		
NO. _____	STRUCTURE NOTATIONS		



USER NAME = james.push
 DESIGNED - JRP
 DRAWN - MRF
 CHECKED - JRP
 DATE - 10/13/2016

REVISIONS
 REVISIONS
 REVISIONS
 REVISIONS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

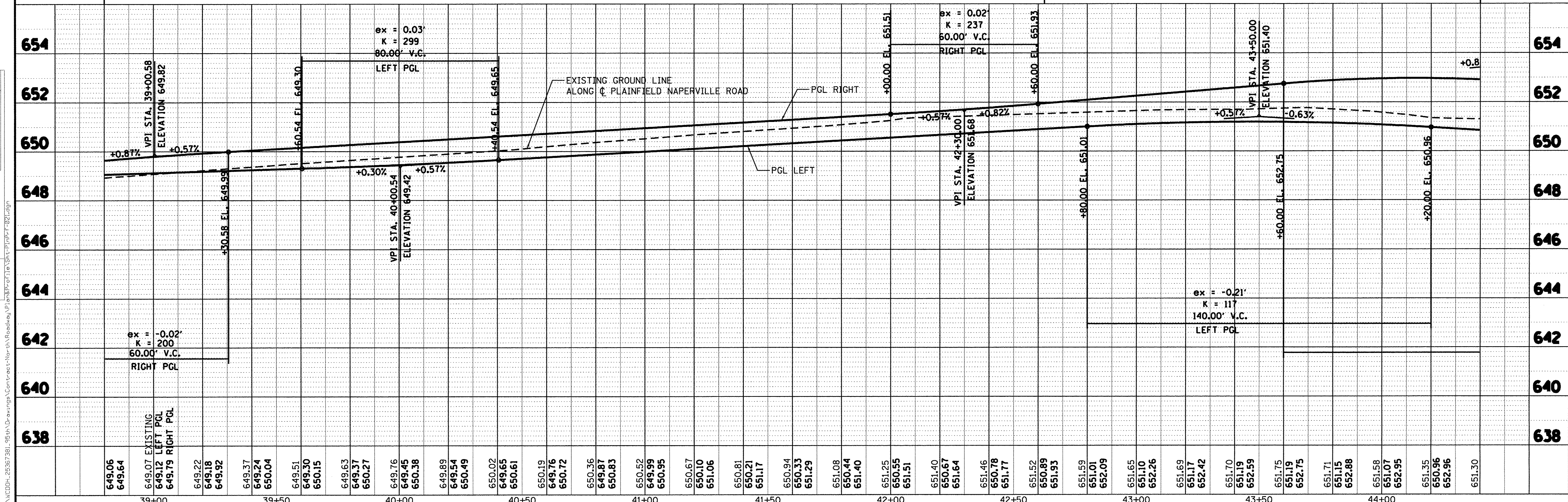
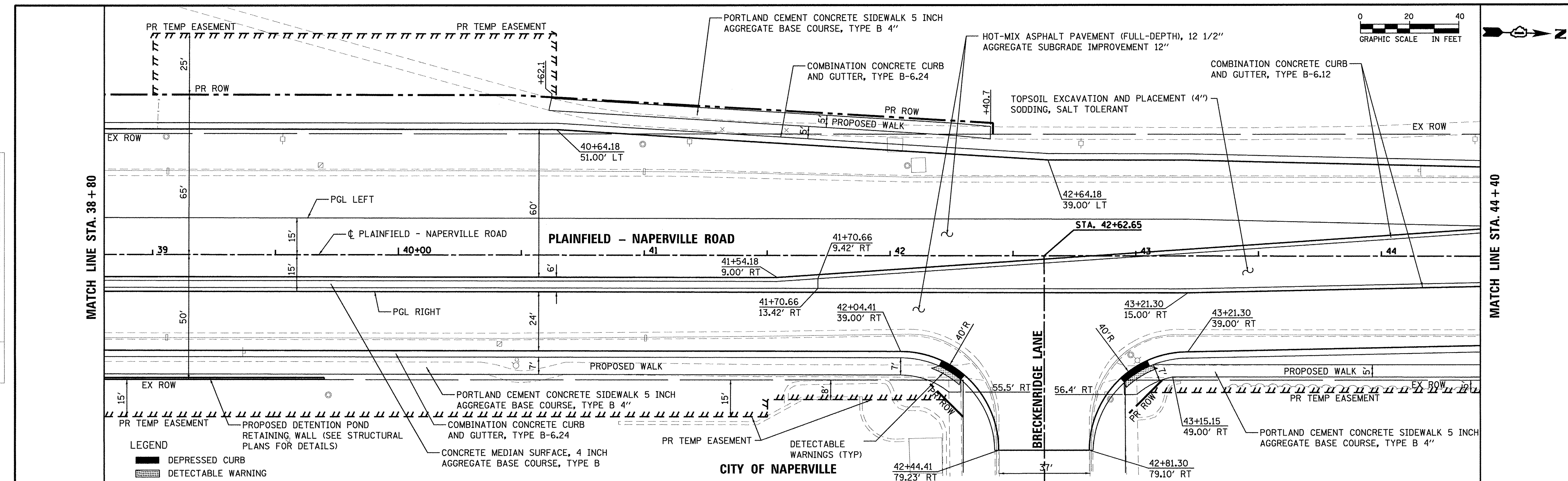
PLAINFIELD-NAPERVILLE ROAD
 ROADWAY PLAN & PROFILE
 SCALE: 1"=20' DRAWING NO. 6 OF 8 STA. 33+20 TO STA. 38+80

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	29
CONTRACT NO. 61A30				ILLINOIS FED. AID PROJECT

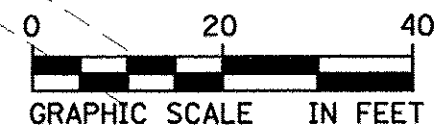
FILE NAME = p:\work\2013\20131129\10-axing\Contract-Nor-41-Roadway\Plan\Profile\10-axing\10-axing.dgn

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	NO. _____		
	NO. _____		
	NO. _____		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	NO. _____		
	NO. _____		
	NO. _____		

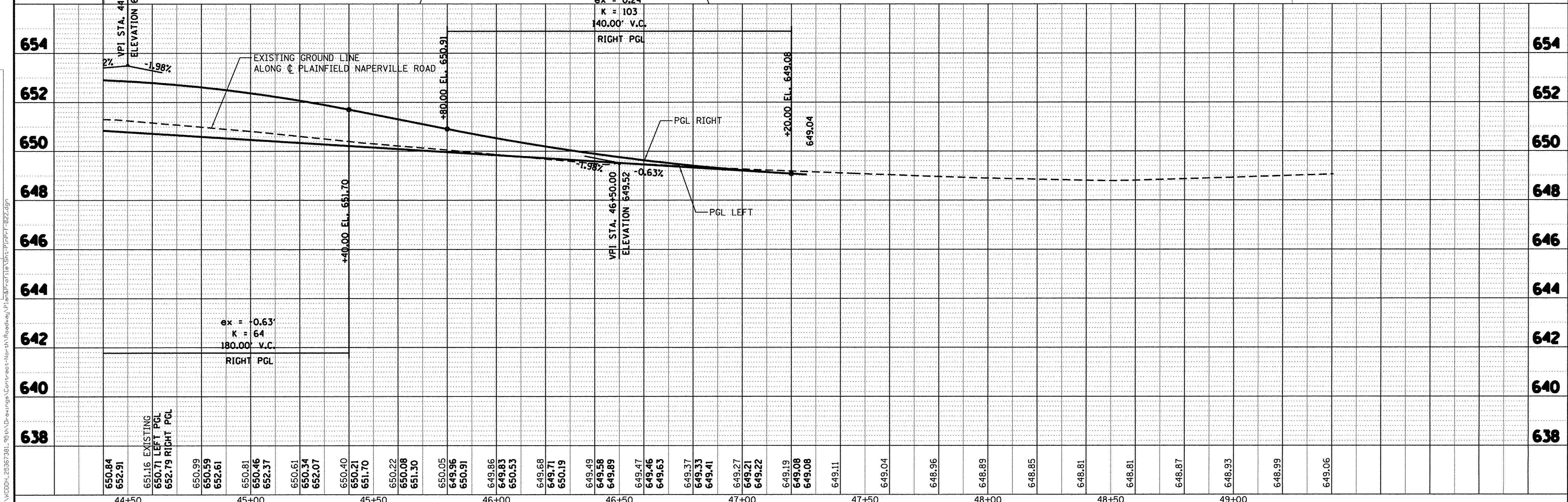
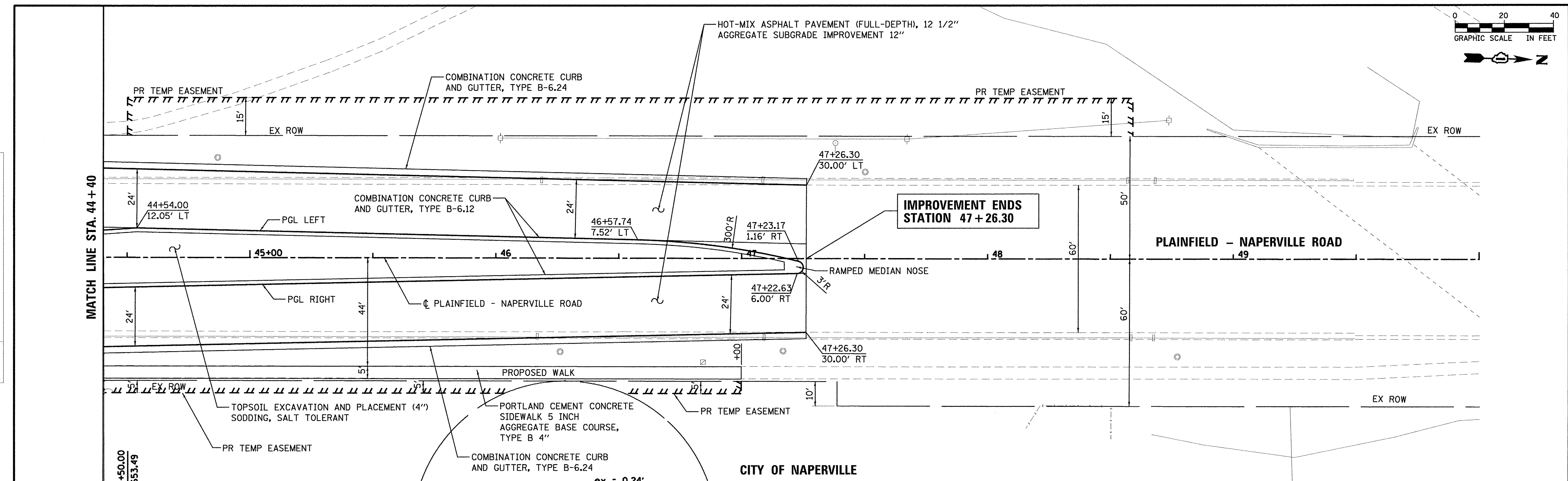


AECOM	USER NAME = james.push	DESIGNED - JRP	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAINFIELD-NAPERVILLE ROAD ROADWAY PLAN & PROFILE		F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 30	
	PLOT SCALE = 40.0000' / 1"	DRAWN - MRF	REVISED		SCALE: 1"=20'	DRAWING NO. 7 OF 8	STA. 38+80 TO STA. 44+40	CONTRACT NO. 61A30		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 10/13/2016	CHECKED - JRP	REVISED									
		DATE - 10/13/2016	REVISED									



PLAN	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	RT. OF WAY CHECKED		
	NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	BLK. NO.		
	STRUCTURE NOTATION		
	NO.		



AECOM	USER NAME = james.push	DESIGNED - JRP	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAINFIELD-NAPERVILLE ROAD ROADWAY PLAN & PROFILE	F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 31
	PLOT SCALE = 40.0000' / 1".	DRAWN - MRF	REVISED			CONTRACT NO. 61A30				
	PLOT DATE = 10/13/2016	CHECKED - JRP	REVISED			ILLINOIS FED. AID PROJECT				

FILE NAME = p:\V\CDH-25387381-39\4\Drawings\Contr-ecr-Nor-th-Roadway\Plan&Profile\PlanProfile.dwg

STAGED CONSTRUCTION, REFER TO STAGING PLANS FOR 95TH AND PLAINFIELD/NAPERVILLE RD INTERSECTION

THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR TRAFFIC CONTROL FOR THIS PROJECT:

- 701301 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501 URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
- 701601 URBAN LANE CLOSURE, MULTILANE, 2W, WITH NON-TRAVERSABLE MEDIAN
- 701701 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801 LANE CLOSURE, MULTILANE, 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE
- 701901 TRAFFIC CONTROL DEVICES

TRAFFIC CONTROL AND PROTECTION NOTES

TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, TRAFFIC SIGNAL PLANS, THESE NOTES, APPLICABLE SPECIAL PROVISIONS, AND SECTION 701 OF THE STANDARD SPECIFICATIONS AS AMENDED BY THE SPECIAL PROVISION FOR WORK ZONE TRAFFIC CONTROL (CHECK SHEET LRS 3).

THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.

EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE RELOCATED, MAINTAINED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR AND ANY DAMAGED OR LOST SIGNS SHALL BE REPLACED BY THE CONTRACTOR.

TYPE I OR TYPE II BARRICADES, DRUMS, OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS SHALL BE REQUIRED ALONG TEMPORARY ROADS, DETOURS AND SIDE STREETS TO DELINEATE THE TRAVELED WAY WITHIN THE CONSTRUCTION ZONE. THE MAXIMUM SPACING FOR THESE DEVICES SHALL BE 100 FEET CENTER TO CENTER.

ANY DROP OFF BETWEEN 4-INCHES AND 12-INCHES IN HEIGHT AND WITHIN 8-FEET OF THE NEAREST OPEN TRAFFIC LANE SHALL BE PROTECTED WITH CHANNELIZING DEVICES, TYPE II BARRICADES, DRUMS OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS AT 50-FOOT CENTER TO CENTER SPACING.

TYPE I OR TYPE II BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.

TYPE I, II AND/OR III BARRICADES WITH TWO-WAY FLASHING LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.

THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND SIGNS SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION.

WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION.

ARROW BOARDS SHALL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.

CHANGEABLE L.E.D. MESSAGE BOARDS SHALL BE IN OPERATION A MINIMUM 3 DAYS IN ADVANCE OF CONSTRUCTION, AND REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION. SEE MOT SHEET 2 FOR NUMBER AND GENERAL LOCATION OF MESSAGE BOARDS.

IN THE INTEREST OF PEDESTRIAN SAFETY ALL SIDEWALKS WITHIN ACTIVE CONSTRUCTION WORK ZONES SHALL BE CLOSED IN ACCORDANCE WITH STANDARD DRAWING 701801. FOR PEDESTRIAN CONVENIENCE EVERY EFFORT SHALL BE MADE TO KEEP SIDEWALKS OPEN THAT ARE NOT WITHIN ACTIVE CONSTRUCTION WORK ZONES AND WHEN APPROVED BY THE ENGINEER.

IMPROVEMENT ENDS STATION 47 + 26.30

IMPROVEMENT BEGINS STATION 291 + 70.56

IMPROVEMENT BEGINS STATION 27 + 70.50

WORK ZONE 1

IMPROVEMENT ENDS STATION 308 + 15.00

NOTE, MAINTAIN FULL ACCESS TO COMMERCIAL PROPERTIES AT ALL TIMES (SEE BELOW)

NOTE: MAINTAIN ACCESS TO SUBDIVISIONS AT ALL TIMES. PROHIBIT CONSTRUCTION VEHICLES FROM ALL ACCESS TO SUBDIVISIONS (SEE BELOW)

SUGGESTED CONSTRUCTION STAGING - WORK ZONE 1

MAINTAIN 1 LANE OF THROUGH TRAFFIC IN EACH DIRECTION AT ALL TIMES ON 95TH STREET AND PLAINFIELD-NAPERVILLE ROAD IN THIS WORK ZONE.

STAGE 1:
SHIFT 95TH STREET TRAFFIC TO EXISTING WB LANES AND RECONSTRUCT OR MILL/RESURFACE EB THROUGH LANES.

SHIFT PLAINFIELD-NAPERVILLE ROAD TRAFFIC TO EXISTING NB LANES AND RECONSTRUCT SB THROUGH LANES.

STAGE 2
SHIFT 95TH STREET TRAFFIC TO NEW EB LANES AND RECONSTRUCT OR MILL/RESURFACE WB THROUGH LANES.

SHIFT PLAINFIELD-NAPERVILLE ROAD TRAFFIC TO NEW SB LANES AND RECONSTRUCT NB THROUGH LANES.

STAGE 3:
SHIFT TRAFFIC ON 95TH STREET AND PLAINFIELD-NAPERVILLE ROAD TO RESPECTIVE CURB LANES, CONSTRUCT LEFT TURN LANES AND MEDIANS, SURFACE COURSE ALL PAVEMENT SURFACES, AND PLACE PERMANENT PAVEMENT MARKINGS.

THIS CONCEPT STAGING PLAN DOES NOT LABEL TEMPORARY STRIPING, SHOW BARRELS, TEMPORARY SIGNING, OR LABEL TAPERS.



LANE DROP-OFF REQUIREMENTS WITHIN 8-FEET OF TRAVEL LANE.

DROP-OFF DEPTH (D)	PHYSICAL TREATMENT (1,2)	ADDITIONAL REQUIREMENTS
$D \leq 1$ IN. LIFT DIFFERENCE	NONE	NONE
1 IN. $< D \leq 2$ IN.	NONE	UNEVEN LANE SIGNS 1/2 MILE SPACING.
2 IN. $< D \leq 4$ IN.	NOTCHED LONGITUDINAL WEDGE (4)	
4 IN. $< D \leq 12$ IN. (3)	LANE CLOSURE USING CHANNELIZING DEVICES	AS PER LANE CLOSURE STANDARD
$D > 12$ IN.	LANE CLOSURE USING TLTB.	

- (1) PLACE CHANNELIZING DEVICES AND TLTB AT SAME LEVEL AS TRAVELING LANE.
- (2) CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. RAISE THE REFLECTIVE AREA AND WARNING LIGHT (IF REQUIRED) TO THE ELEVATION ABOVE TRAVELING LANE AS REQUIRED BY HIGHWAY STANDARD 701901.
- (3) DROP-OFF 4 IN. $< D$ IN. ≤ 12 IN. IS PERMITTED FOR LESS THAN 0.5 MILE LENGTH OF DROP-OFF EXPOSURE IN WORK ZONE OR LESS THAN 48 HOUR CLOSURE TIME.
- (4) OR THE SAME PHYSICAL TREATMENT AND SIGN REQUIREMENTS AS 4 IN. $< D \leq 12$ IN.

NO CONSTRUCTION ACCESS

W20-2B(0)
36" x 36"

ONE SIGN SHALL BE PLACED AT EACH LEG OF A SUBDIVISION ENTRANCE ACCESSING OFF 95TH STREET AND/OR PLAINFIELD-NAPERVILLE ROAD. SIGNS TO BE INCLUDED IN PAY ITEM "TEMPORARY INFORMATIONAL SIGNAGE".

DRIVEWAY ENTRANCE

← OR →

WHITE ON GREEN
30" x 30"

TWO DRIVEWAY SIGNS (PLACED BACK TO BACK, AS SEEN AT LEFT) SHALL BE USED AT EACH COMMERCIAL ENTRANCE DURING CONSTRUCTION. SIGNS SHALL BE LOCATED AS PER DISTRICT DETAIL TC-28. DRIVEWAY ACCESS SHALL BE MAINTAINED AT ALL TIMES. SIGNS TO BE INCLUDED IN PAY ITEM "TEMPORARY INFORMATION SIGNAGE".



FILE NAME = p:\MCDPH_25367381_95th-Dravings\Contract-Nor-sh-Roadway\MOT\MOT-01_OverlIdgn



USER NAME = james.push	DESIGNED - JRP	REVISED -
PLOT SCALE = 1/8"=100' 0/000' / in.	DRAWN - MRF	REVISED -
PLOT DATE = 10/13/2016	CHECKED - JRP	REVISED -
	DATE - 10/13/2016	REVISED -

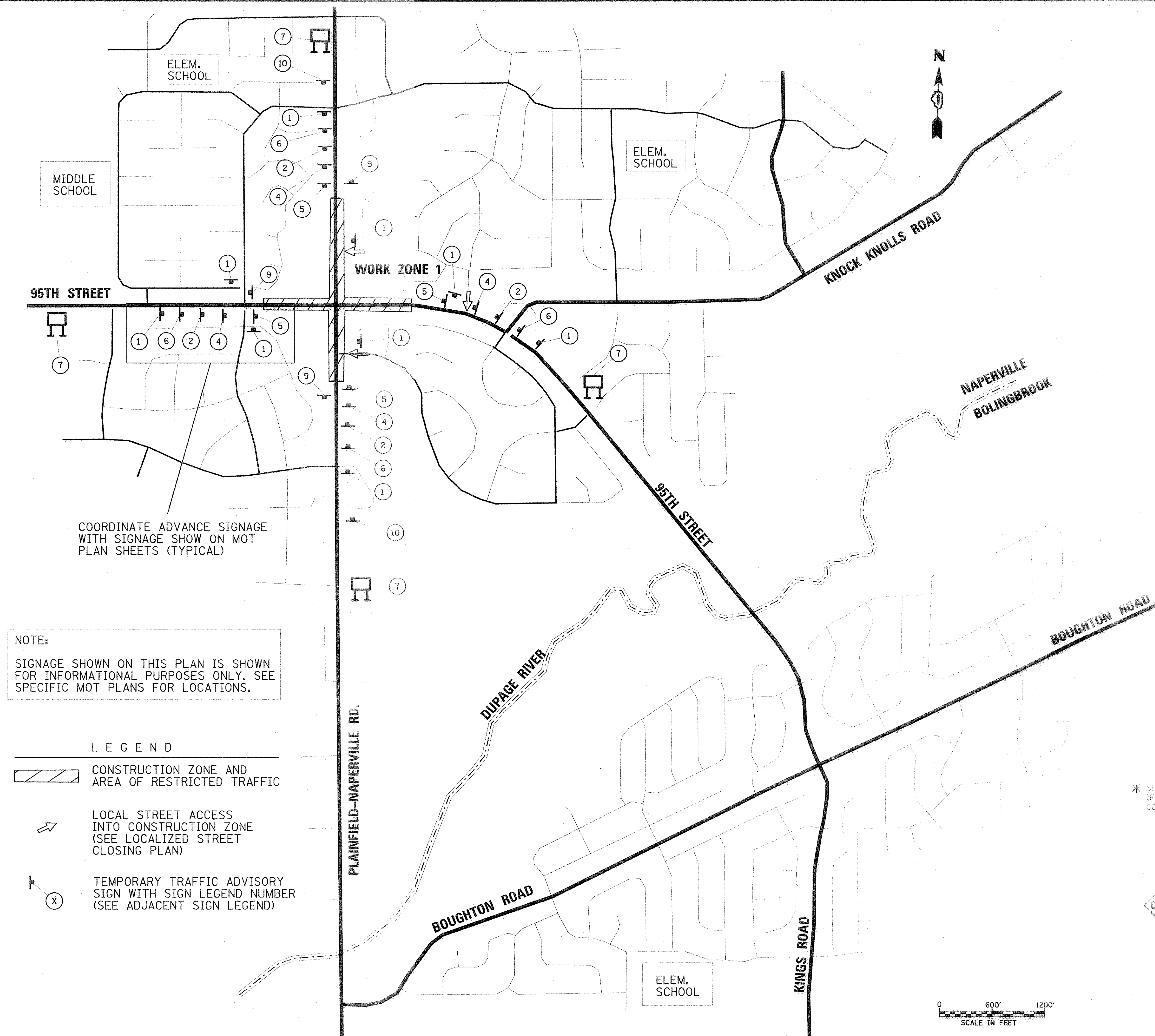
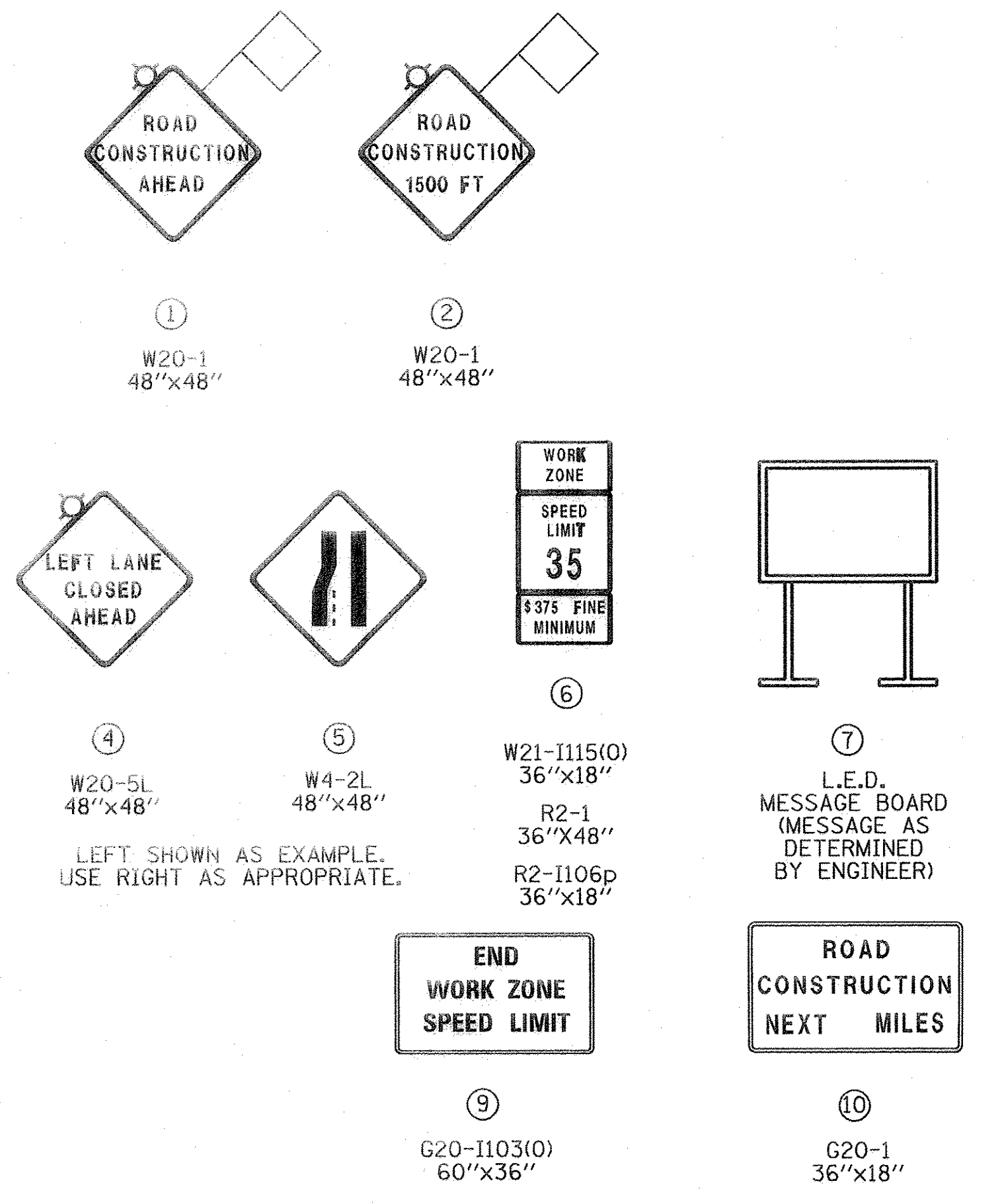
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED CONSTRUCTION STAGING
GENERAL PLAN AND STAGING NOTES**

SCALE: 1"=500' DRAWING NO. 1 OF 9 STA. TO STA.

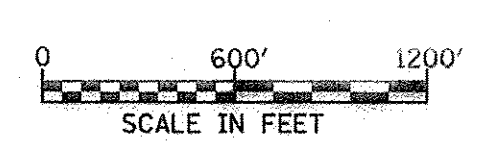
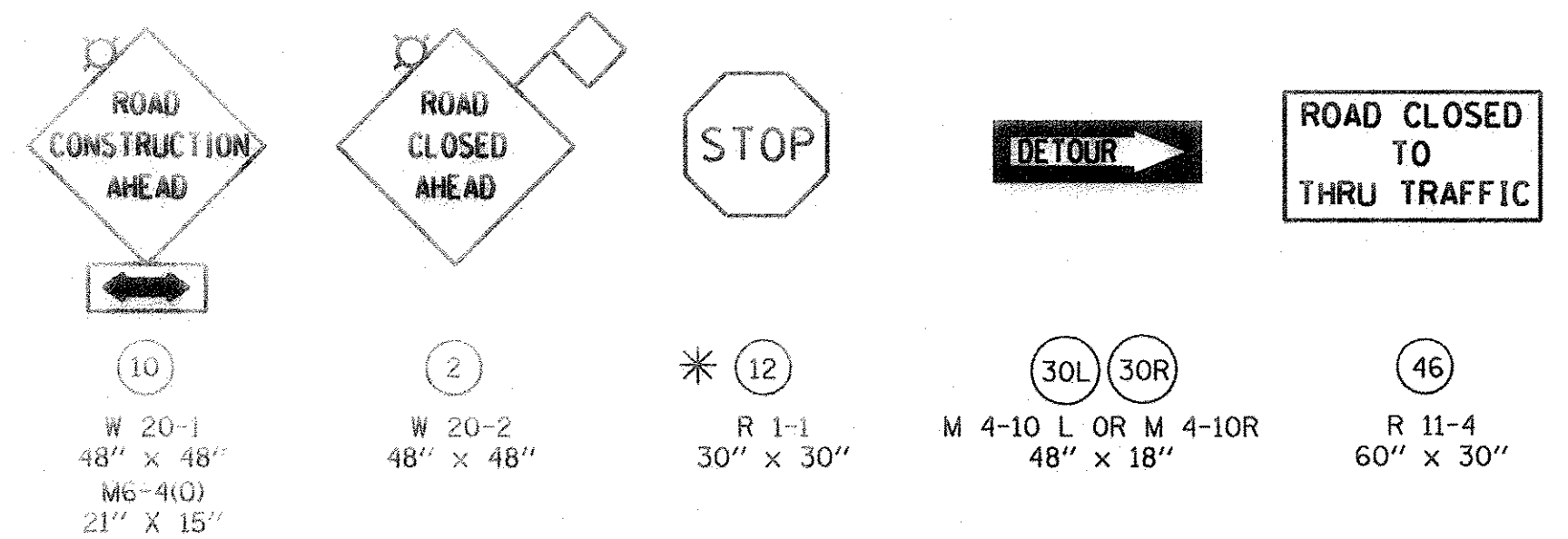
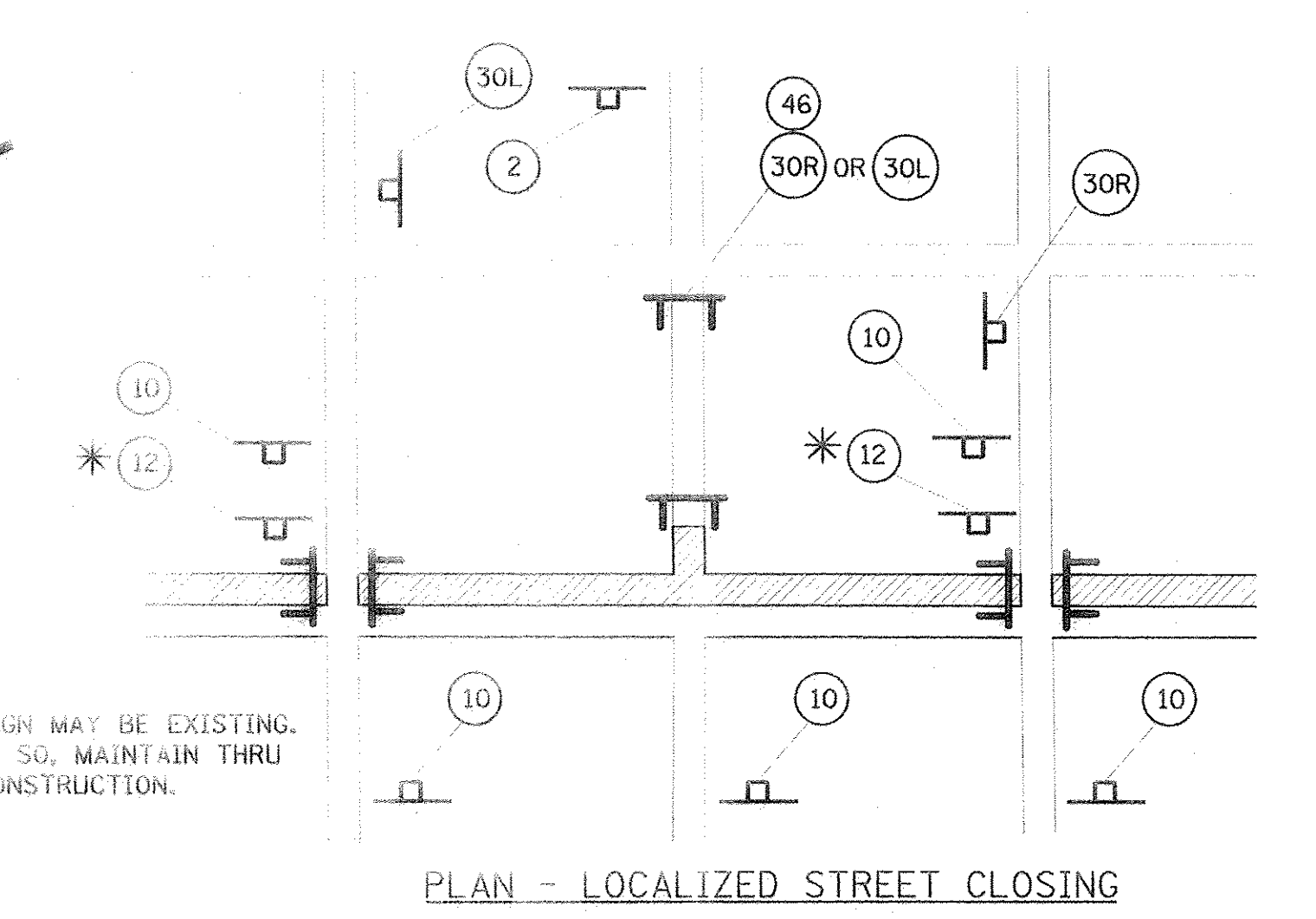
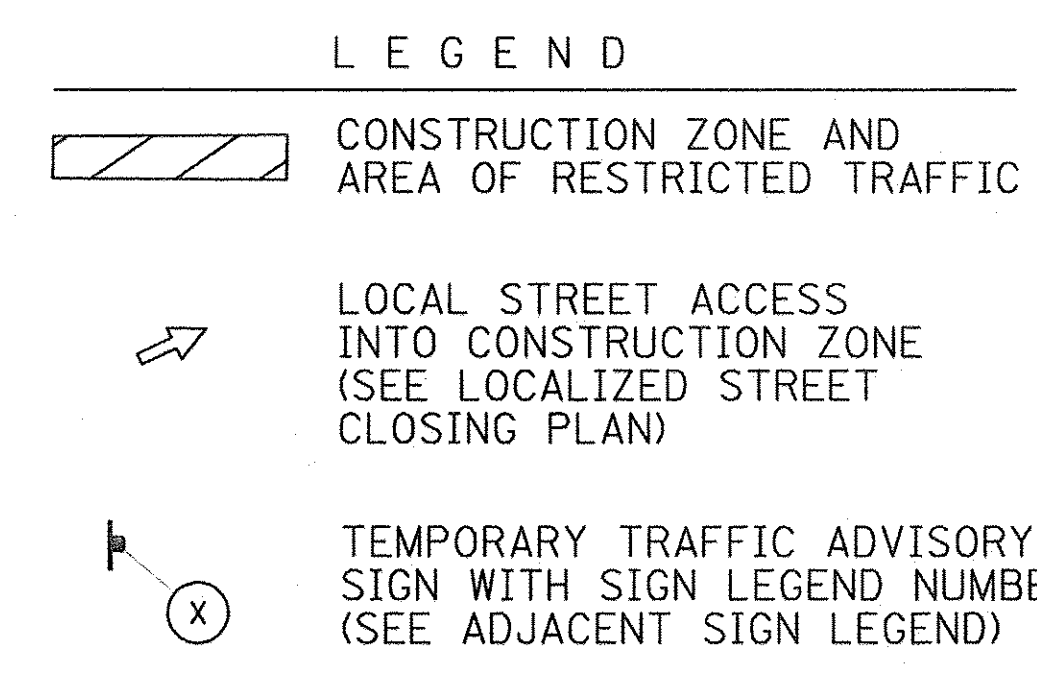
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-PP	WILL	179	32
CONTRACT NO. 61A30				
<small>ILLINOIS FED. AID PROJECT</small>				

SIGN LEGEND



COORDINATE ADVANCE SIGNAGE WITH SIGNAGE SHOWN ON MOT PLAN SHEETS (TYPICAL)

NOTE:
SIGNAGE SHOWN ON THIS PLAN IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. SEE SPECIFIC MOT PLANS FOR LOCATIONS.



SIGN LEGEND FOR (TEMPORARY) LOCALIZED STREET CLOSING PLAN



USER NAME = rscholas_valerico
PLOT SCALE = 1/8" = 100'
PLOT DATE = 3/21/2016

DESIGNED JRP
DRAWN MRF
CHECKED JRP
DATE 03/21/2016

REVISED -
REVISED -
REVISED -
REVISED -

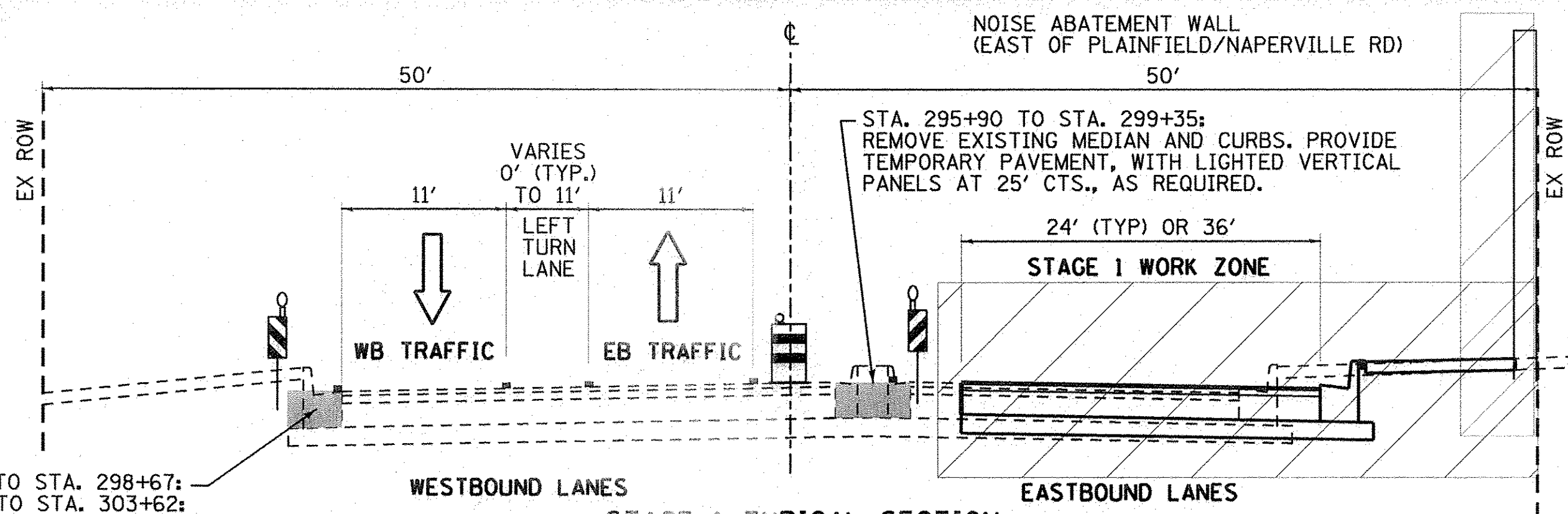
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION STAGING
CONSTRUCTION SIGNING - ADVANCED WARNING SIGNS
SCALE: 1"=600' DRAWING NO. 2 OF 9 STA. X TO STA. X

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 33
CONTRACT NO. 61A30			ILLINOIS' FED. AID PROJECT	

FILE NAME = p:\MCDOT_25352781_95th\Drawings\Contract\Naper\Roadway\NOT\NOT-92_Construction_signing.dgn

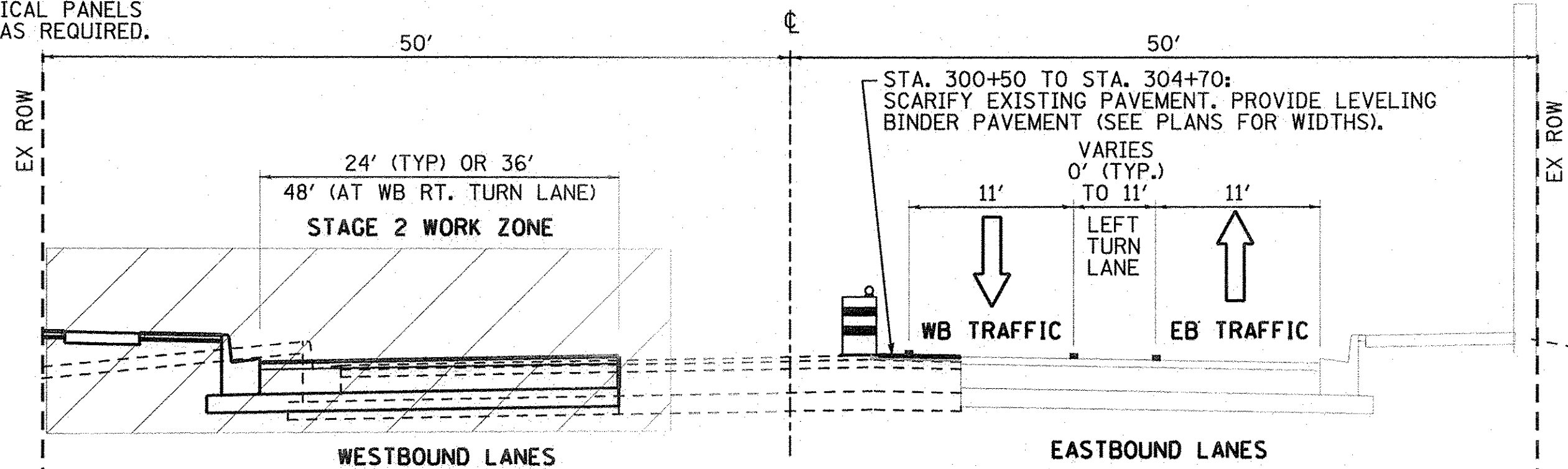
STAGE 1



STA. 297+17 TO STA. 298+67;
STA. 300+18 TO STA. 303+62;
REMOVE EXISTING CURB AND
GUTTER, PROVIDE 3' WIDE
TEMPORARY PAVEMENT, WITH
LIGHTED VERTICAL PANELS
AT 25' CTS., AS REQUIRED.

STAGE 1 TYPICAL SECTION
95TH STREET - STA. 291+71 TO 308+00

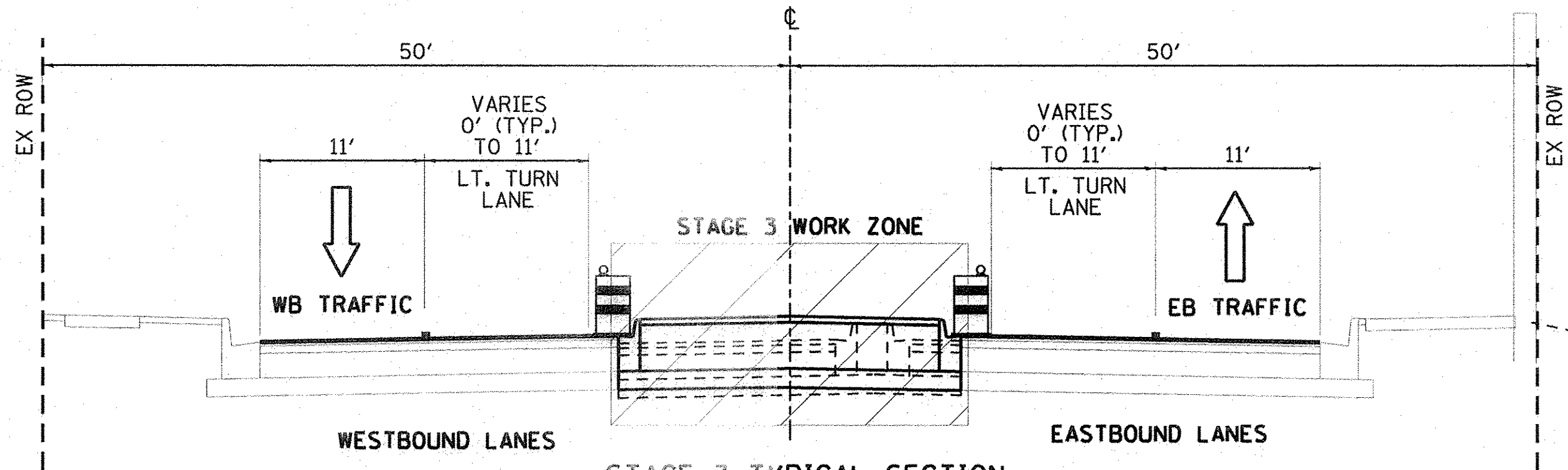
STAGE 2



STA. 300+50 TO STA. 304+70;
SCARIFY EXISTING PAVEMENT. PROVIDE LEVELING
BINDER PAVEMENT (SEE PLANS FOR WIDTHS).

STAGE 2 TYPICAL SECTION
95TH STREET - STA. 291+71 TO 308+00

STAGE 3



STAGE 3 TYPICAL SECTION
95TH STREET - STA. 291+71 TO 308+00

STAGING NOTES - 95TH STREET, SECTION A-A

STAGE 1 TRAFFIC:
EXISTING EB AND WB TRAFFIC SHIFTED TO EXISTING WB LANES (11' THROUGH LANE IN EACH DIRECTION, WITH 11' LEFT TURN LANES AT PLAINFIELD-NAPERVILLE ROAD). PROVIDE TEMPORARY PAVEMENT AS SHOWN TO ACCOMMODATE LEFT TURN LANES.

STAGE 1 CONSTRUCTION:
RECONSTRUCT EB THROUGH LANES UP TO AND INCLUDING BINDER COURSE. ALSO CONSTRUCT OUTSIDE EB LEFT TURN LANE AT PLAINFIELD-NAPERVILLE ROAD.

STAGE 2 TRAFFIC:
SHIFT ALL TRAFFIC TO EB THROUGH LANES (11' THROUGH LANE IN EACH DIRECTION, WITH 11' LEFT TURN LANES AT PLAINFIELD-NAPERVILLE ROAD). APPLY LEVELING BINDER AS SHOWN TO ACCOMMODATE LEFT TURN LANES.

STAGE 2 CONSTRUCTION:
RECONSTRUCT WB THROUGH LANES UP TO AND INCLUDING BINDER COURSE. ALSO CONSTRUCT WB RIGHT TURN LANE AND OUTSIDE WB LEFT TURN LANE AT PLAINFIELD-NAPERVILLE ROAD.

STAGE 3 TRAFFIC:
EXISTING EB AND WB TRAFFIC TO USE NEW RESPECTIVE CURB THROUGH LANE. ESTABLISH 11' LEFT TURN LANE IN EACH DIRECTION AT PLAINFIELD-NAPERVILLE ROAD USING BARRICADES.

STAGE 3 CONSTRUCTION:
COMPLETE MEDIAN LEFT TURN LANES AND MEDIANS. (POST STAGE 3): APPLY SURFACE COURSE OVER ALL PAVEMENTS. ADD PERMANENT PAVEMENT MARKINGS AND LANDSCAPING.

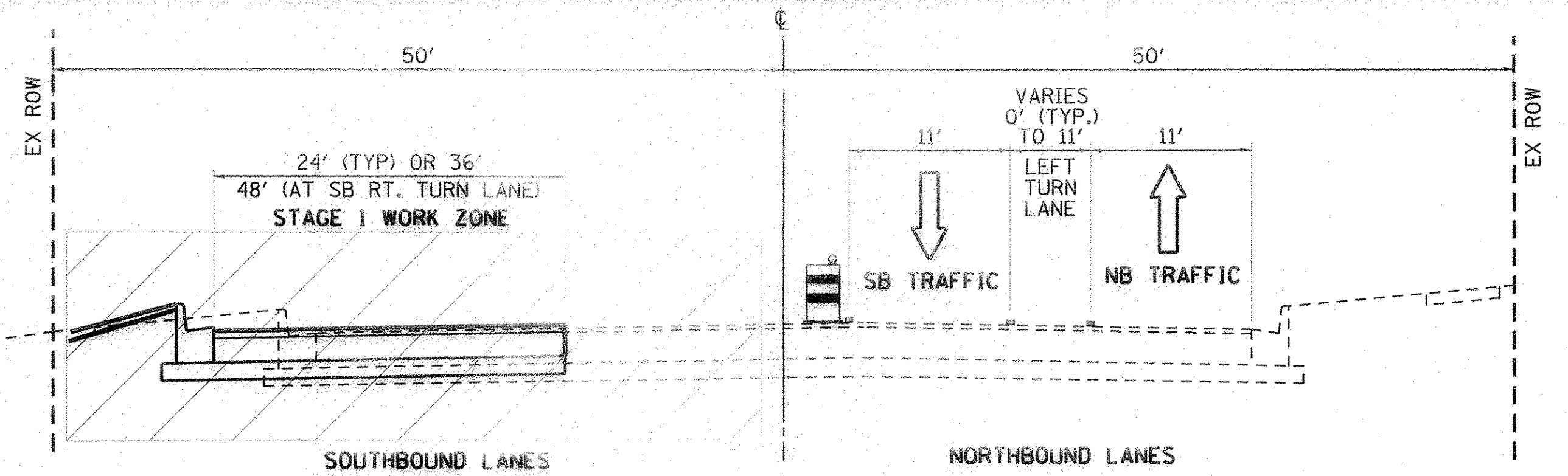
LEGEND (THIS SHEET ONLY)

- PAINT PAVEMENT MARKING LINE (SEE MOT PLANS FOR TYPE, COLOR AND LOCATION)
- ↑ DIRECTION OF TRAFFIC
- ▬ DRUM OR TYPE I OR II BARRICADE WITH STEADY BURNING LIGHT (50' C-C TYPICAL)
- ▬ VERTICAL PANEL (POST MOUNTED) WITH STEADY BURNING LIGHT (25' C-C TYPICAL)
- ▬ TEMPORARY PAVEMENT OR LEVELING BINDER (SEE MOT PLANS FOR SPECIFICS)

GENERAL STAGING NOTE:

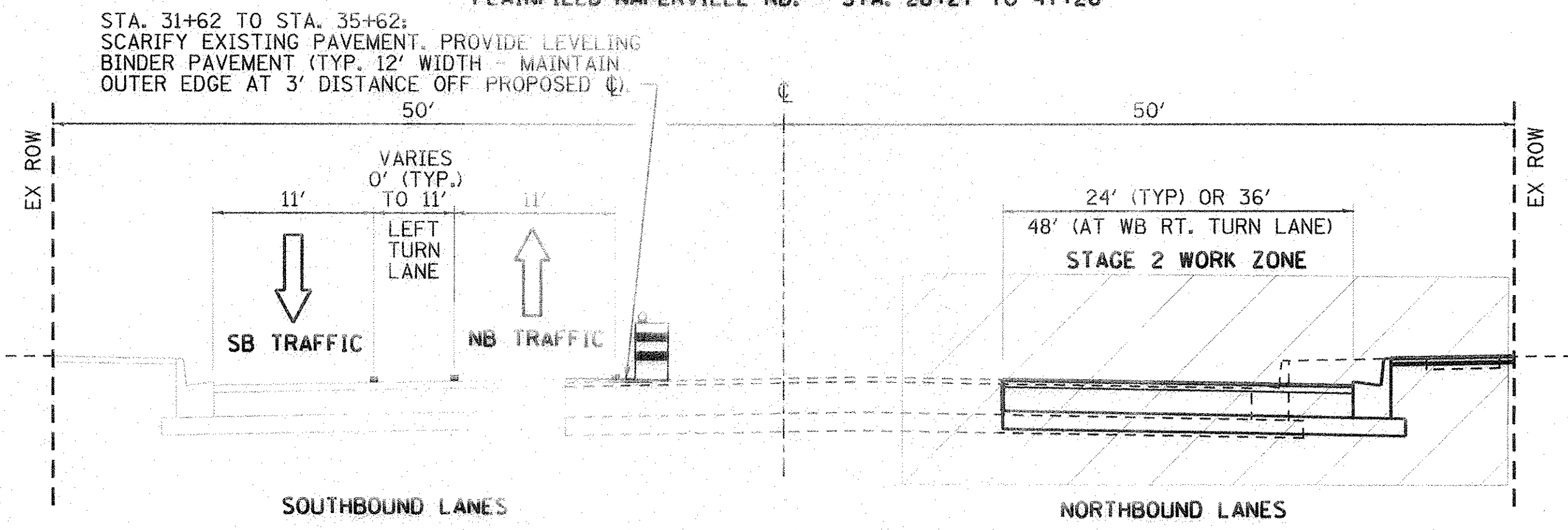
WORK SHALL INCLUDE ALL MAINLINE STORM SEWERS AND LATERAL CROSSINGS TO THE CENTER TO THE EDGE OF THE WORK ZONE. STORM SEWERS SHALL BE CONSTRUCTED TO A POINT WHERE A CONNECTION CAN BE SAFELY MADE DURING THE SUBSEQUENT STAGES OF CONSTRUCTION. TEMPORARY UPSTREAM ENDS OF STORM SEWERS SHALL BE BLOCKED AND BACKFILLED UNTIL CONNECTION IS MADE DURING THE LATER STAGES OF CONSTRUCTION. DOWNSTREAM TEMPORARY CONNECTIONS TO STORMSEWER TO MAINTAIN FLOW SHALL BE MADE TO ENSURE DRAINAGE. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE INCLUDED IN THE PAY ITEMS FOR STORM SEWER.

STAGE 1



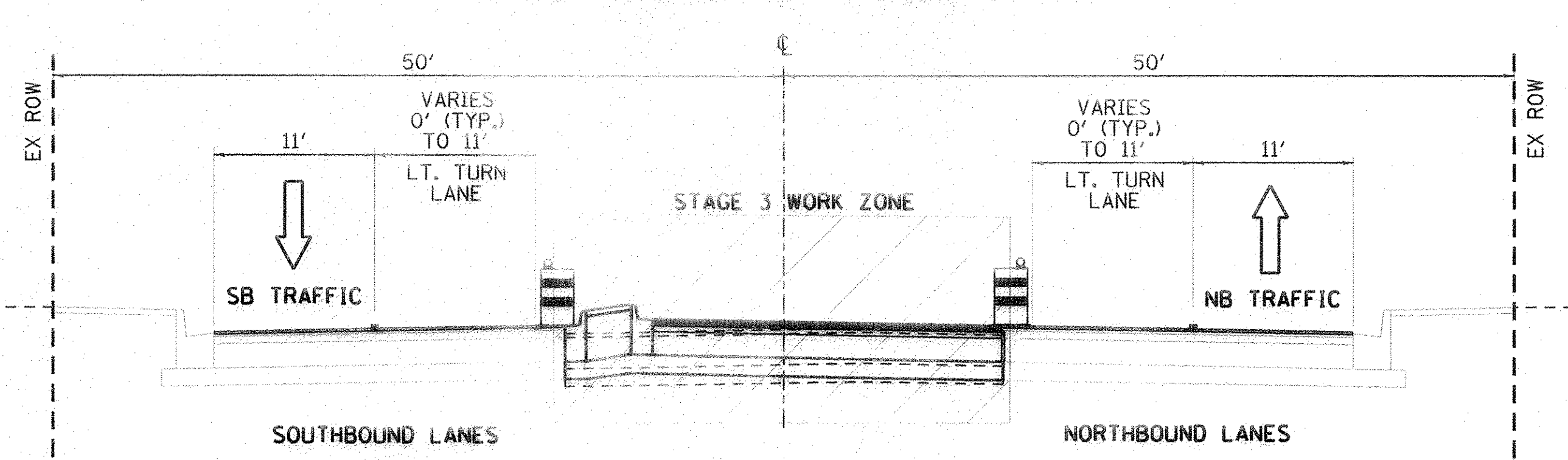
STAGE 1 TYPICAL SECTION
PLAINFIELD-NAPERVILLE RD. - STA. 28+27 TO 47+26

STAGE 2



STAGE 2 TYPICAL SECTION
PLAINFIELD-NAPERVILLE RD. - STA. 28+27 TO 47+26

STAGE 3



STAGE 3 TYPICAL SECTION
PLAINFIELD-NAPERVILLE RD. - STA. 28+27 TO 47+26

STAGING NOTES - PLAINFIELD/NAPERVILLE RD, SECTION D-D

STAGE 1 TRAFFIC:
EXISTING NB AND SB TRAFFIC SHIFTED TO EXISTING NB LANES (11' THROUGH LANE IN EACH DIRECTION, WITH 11' LEFT TURN LANES AT 95TH STREET).

STAGE 1 CONSTRUCTION:
RECONSTRUCT SB THROUGH LANES UP TO AND INCLUDING BINDER COURSE. ALSO CONSTRUCT SB RIGHT TURN LANE AND OUTSIDE SB LEFT TURN LANE AT 95TH STREET.

STAGE 2 TRAFFIC:
(PRE STAGE 2): PLACE LEVELING BINDER AS NEEDED ALONG NEW SB LANES AT 95TH STREET. SHIFT ALL TRAFFIC TO SB THROUGH LANES (11' THROUGH LANE IN EACH DIRECTION, WITH 11' TURN LANES AT 95TH STREET).

STAGE 2 CONSTRUCTION:
RECONSTRUCT NB THROUGH LANES UP TO AND INCLUDING BINDER COURSE. ALSO CONSTRUCT NB RIGHT TURN LANE AND OUTSIDE NB LEFT TURN LANE AT 95TH STREET.

STAGE 3 TRAFFIC:
EXISTING NB AND SB TRAFFIC TO USE NEW RESPECTIVE 12' CURB THROUGH LANE. ESTABLISH 11' LEFT TURN LANE IN EACH DIRECTION AT PLAINFIELD-NAPERVILLE ROAD.

STAGE 3 CONSTRUCTION:
COMPLETE MEDIAN LEFT TURN LANES AND MEDIANS. (POST STAGE 3): APPLY SURFACE COURSE OVER ALL PAVEMENT. ADD PERMANENT PAVEMENT MARKINGS AND LANDSCAPING.



USER NAME = nicholas.solarico	DESIGNED = JRP	REVISED =
PLOT SCALE = 40,000000 1/4 in.	DRAWN = MRF	REVISED =
PLOT DATE = 3/21/2016	CHECKED = JRP	REVISED =
	DATE = 03/21/2016	REVISED =

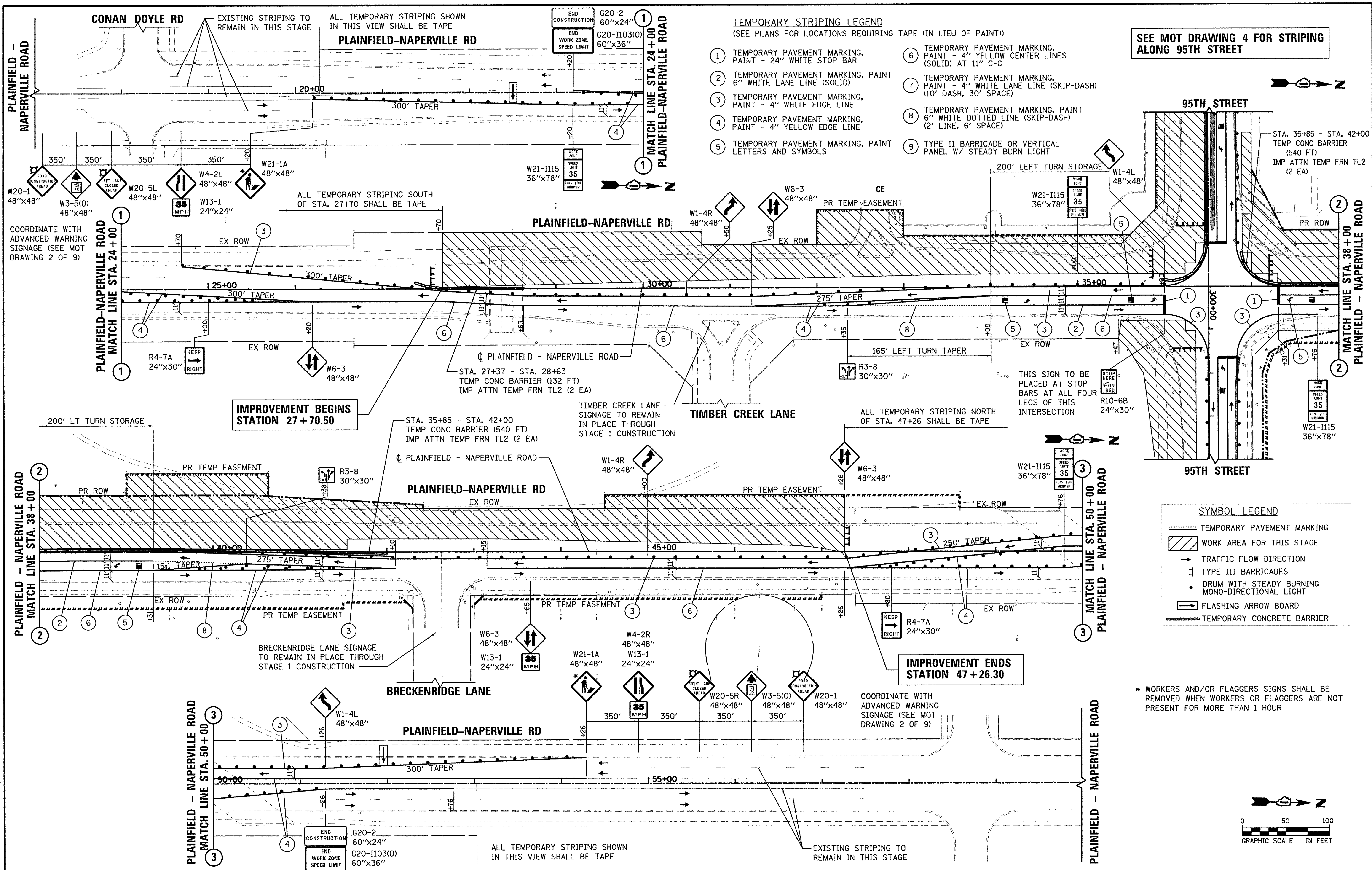
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION STAGING, WORK ZONE 1
TYPICAL SECTIONS - 95TH AND PLAINFIELD/NAPERVILLE RD

SCALE: N/A DRAWING NO. 3 OF 9 STA. TO STA.

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 34
			CONTRACT NO. 61A30	
ILLINOIS FED. AID PROJECT				

FILE NAME = pr:\MCD04_25387381_95th Dr-ex-rmpa\Contract-Norsh-Roadway\MOT\MOT-09-stage1-PlainfieldRd.dgn



TEMPORARY STRIPING LEGEND
(SEE PLANS FOR LOCATIONS REQUIRING TAPE (IN LIEU OF PAINT))

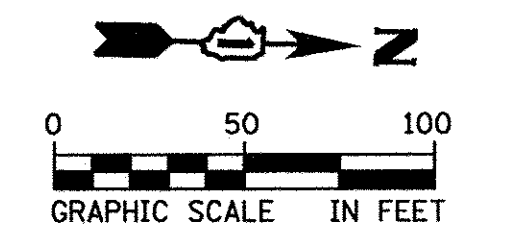
- ① TEMPORARY PAVEMENT MARKING, PAINT - 24" WHITE STOP BAR
- ② TEMPORARY PAVEMENT MARKING, PAINT - 6" WHITE LANE LINE (SOLID)
- ③ TEMPORARY PAVEMENT MARKING, PAINT - 4" WHITE EDGE LINE
- ④ TEMPORARY PAVEMENT MARKING, PAINT - 4" YELLOW EDGE LINE
- ⑤ TEMPORARY PAVEMENT MARKING, PAINT LETTERS AND SYMBOLS
- ⑥ TEMPORARY PAVEMENT MARKING, PAINT - 4" YELLOW CENTER LINES (SOLID) AT 11" C-C
- ⑦ TEMPORARY PAVEMENT MARKING, PAINT - 4" WHITE LANE LINE (SKIP-DASH) (10' DASH, 30' SPACE)
- ⑧ TEMPORARY PAVEMENT MARKING, PAINT - 6" WHITE DOTTED LINE (SKIP-DASH) (2' LINE, 6' SPACE)
- ⑨ TYPE II BARRICADE OR VERTICAL PANEL W/ STEADY BURN LIGHT

SEE MOT DRAWING 4 FOR STRIPING ALONG 95TH STREET

SYMBOL LEGEND

- TEMPORARY PAVEMENT MARKING
- ▨ WORK AREA FOR THIS STAGE
- TRAFFIC FLOW DIRECTION
- ⊥ TYPE III BARRICADES
- DRUM WITH STEADY BURNING MONO-DIRECTIONAL LIGHT
- ⇄ FLASHING ARROW BOARD
- ▬ TEMPORARY CONCRETE BARRIER

* WORKERS AND/OR FLAGGERS SIGNS SHALL BE REMOVED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN 1 HOUR



USER NAME = james.push
 PLOT SCALE = 100.0000' / 1" =
 PLOT DATE = 10/13/2016

DESIGNED - JRP
 DRAWN - MRF
 CHECKED - JRP
 DATE - 10/13/2016

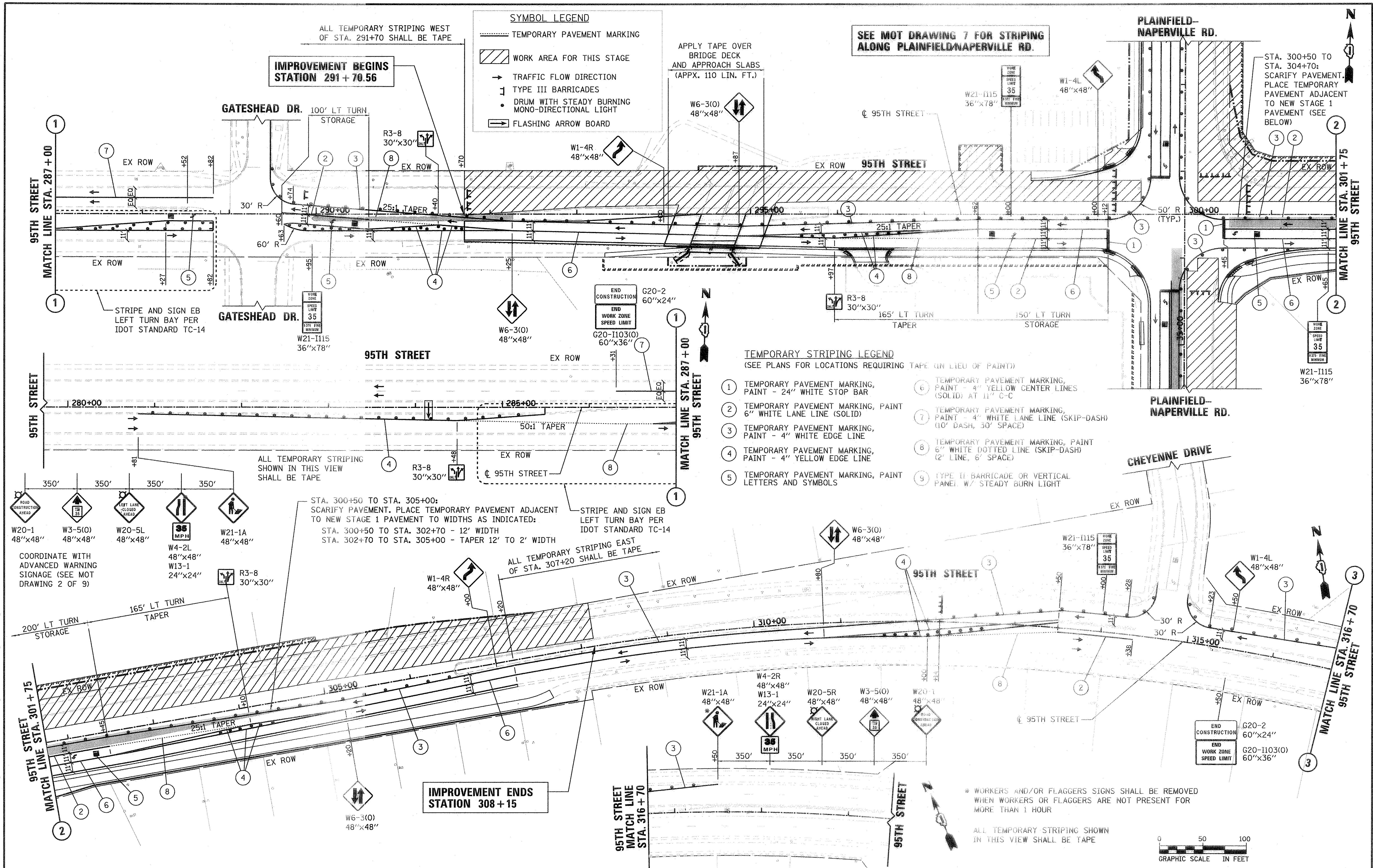
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION STAGING, WORK ZONE 1
 95TH AND PLAINFIELD/NAPERVILLE RD - STAGE 1

SCALE: 1"=50' DRAWING NO. 5 OF 9 STA. 17+00 TO STA. 60+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	36
				CONTRACT NO. 61A30
ILLINOIS FED. AID PROJECT				



SYMBOL LEGEND

- TEMPORARY PAVEMENT MARKING
- WORK AREA FOR THIS STAGE
- TRAFFIC FLOW DIRECTION
- TYPE III BARRICADES
- DRUM WITH STEADY BURNING MONO-DIRECTIONAL LIGHT
- FLASHING ARROW BOARD

SEE MOT DRAWING 7 FOR STRIPING ALONG PLAINFIELD/NAPERVILLE RD.

TEMPORARY STRIPING LEGEND
(SEE PLANS FOR LOCATIONS REQUIRING TAPE (IN LIEU OF PAINT))

- 1 TEMPORARY PAVEMENT MARKING, PAINT - 24" WHITE STOP BAR
- 2 TEMPORARY PAVEMENT MARKING, PAINT 6" WHITE LANE LINE (SOLID)
- 3 TEMPORARY PAVEMENT MARKING, PAINT - 4" WHITE EDGE LINE
- 4 TEMPORARY PAVEMENT MARKING, PAINT - 4" YELLOW EDGE LINE
- 5 TEMPORARY PAVEMENT MARKING, PAINT LETTERS AND SYMBOLS
- 6 TEMPORARY PAVEMENT MARKING, PAINT - 4" YELLOW CENTER LINES (SOLID) AT 11' C-C
- 7 TEMPORARY PAVEMENT MARKING, PAINT - 4" WHITE LANE LINE (SKIP-DASH) (10' DASH, 30' SPACE)
- 8 TEMPORARY PAVEMENT MARKING, PAINT 6" WHITE DOTTED LINE (SKIP-DASH) (2' LINE, 6' SPACE)
- 9 TYPE II BARRICADE OR VERTICAL PANEL W/ STEADY BURN LIGHT

ALL TEMPORARY STRIPING WEST OF STA. 291+70 SHALL BE TAPE

IMPROVEMENT BEGINS STATION 291 + 70.56

ALL TEMPORARY STRIPING SHOWN IN THIS VIEW SHALL BE TAPE

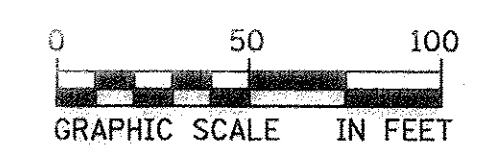
STA. 300+50 TO STA. 305+00: SCARIFY PAVEMENT. PLACE TEMPORARY PAVEMENT ADJACENT TO NEW STAGE 1 PAVEMENT TO WIDTHS AS INDICATED:
 STA. 300+50 TO STA. 302+70 - 12' WIDTH
 STA. 302+70 TO STA. 305+00 - TAPER 12' TO 2' WIDTH

ALL TEMPORARY STRIPING EAST OF STA. 307+20 SHALL BE TAPE

IMPROVEMENT ENDS STATION 308 + 15

* WORKERS AND/OR FLAGGERS SIGNS SHALL BE REMOVED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN 1 HOUR

ALL TEMPORARY STRIPING SHOWN IN THIS VIEW SHALL BE TAPE



USER NAME: nicholas_solorzano
 PLOT SCALE: 1/8"=20' @ 1/2" = 1/4"
 PLOT DATE: 3/21/2016

DESIGNED: JRP
 DRAWN: MRF
 CHECKED: JRP
 DATE: 03/21/2016

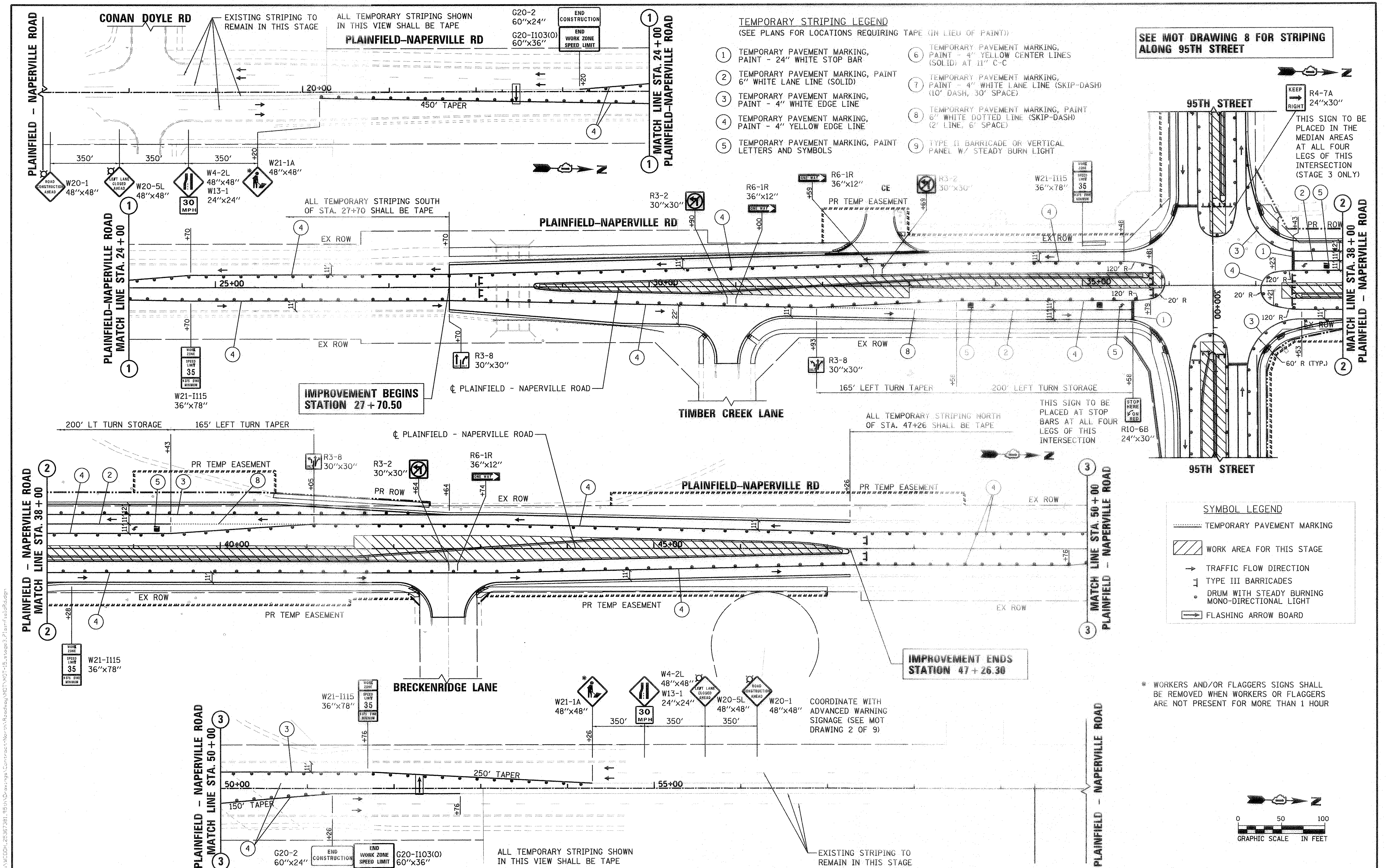
REVISED: -
 REVISED: -
 REVISED: -
 REVISED: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION STAGING, WORK ZONE 1
 95TH AND PLAINFIELD/NAPERVILLE RD - STAGE 2

SCALE: 1"=50' DRAWING NO. 6 OF 9 STA. 279+00 TO STA. 316+70

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 37
CONTRACT NO. 61A30			ILLINOIS FED. AID PROJECT	

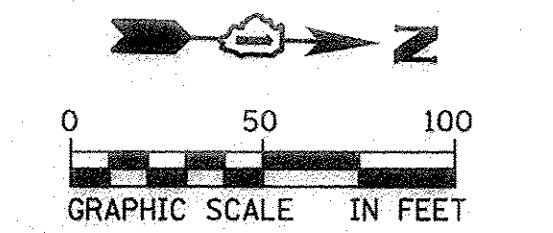


- TEMPORARY STRIPING LEGEND**
(SEE PLANS FOR LOCATIONS REQUIRING TAPE (IN LIEU OF PAINT))
- ① TEMPORARY PAVEMENT MARKING, PAINT - 24" WHITE STOP BAR
 - ② TEMPORARY PAVEMENT MARKING, PAINT - 6" WHITE LANE LINE (SOLID)
 - ③ TEMPORARY PAVEMENT MARKING, PAINT - 4" WHITE EDGE LINE
 - ④ TEMPORARY PAVEMENT MARKING, PAINT - 4" YELLOW EDGE LINE
 - ⑤ TEMPORARY PAVEMENT MARKING, PAINT LETTERS AND SYMBOLS
 - ⑥ TEMPORARY PAVEMENT MARKING, PAINT - 4" YELLOW CENTER LINES (SOLID) AT 11" C-C
 - ⑦ TEMPORARY PAVEMENT MARKING, PAINT - 4" WHITE LANE LINE (SKIP-DASH) (10' DASH, 30' SPACE)
 - ⑧ TEMPORARY PAVEMENT MARKING, PAINT - 6" WHITE DOTTED LINE (SKIP-DASH) (2' LINE, 6' SPACE)
 - ⑨ TYPE II BARRICADE OR VERTICAL PANEL W/ STEADY BURN LIGHT

SEE MOT DRAWING 8 FOR STRIPING ALONG 95TH STREET

- SYMBOL LEGEND**
- TEMPORARY PAVEMENT MARKING
 - ▨ WORK AREA FOR THIS STAGE
 - TRAFFIC FLOW DIRECTION
 - ⊥ TYPE III BARRICADES
 - DRUM WITH STEADY BURNING MONO-DIRECTIONAL LIGHT
 - ⇨ FLASHING ARROW BOARD

* WORKERS AND/OR FLAGGERS SIGNS SHALL BE REMOVED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN 1 HOUR



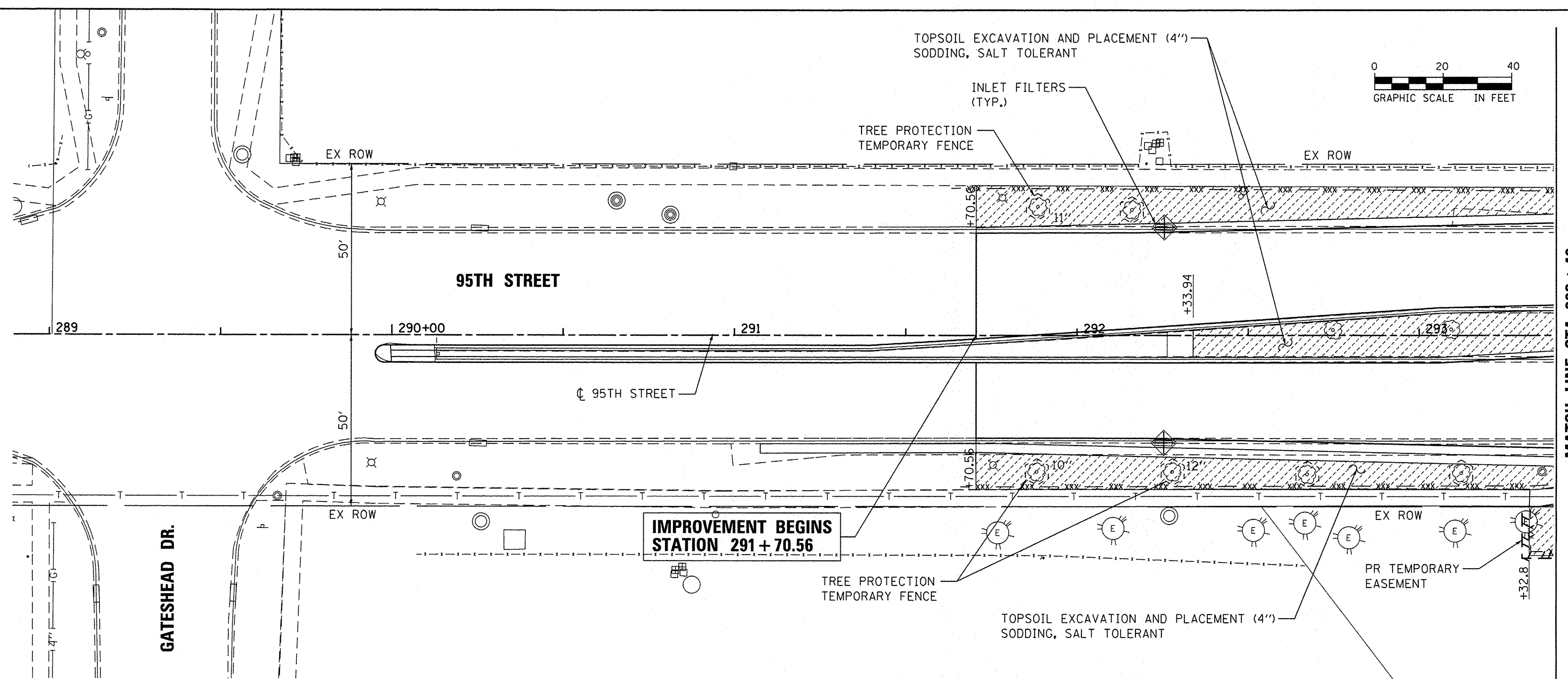
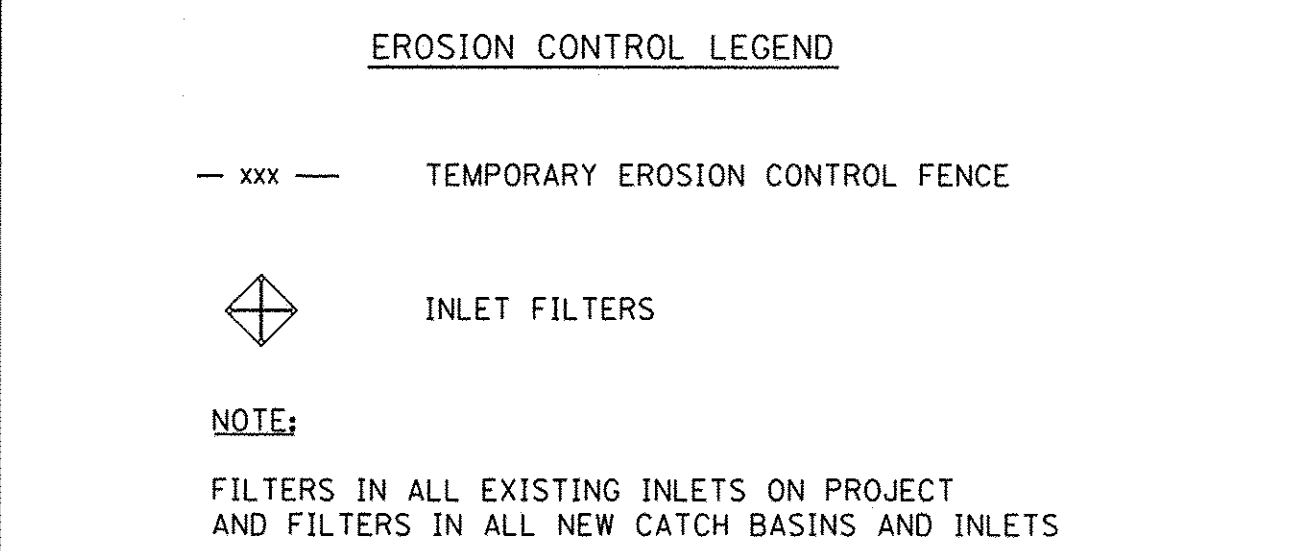
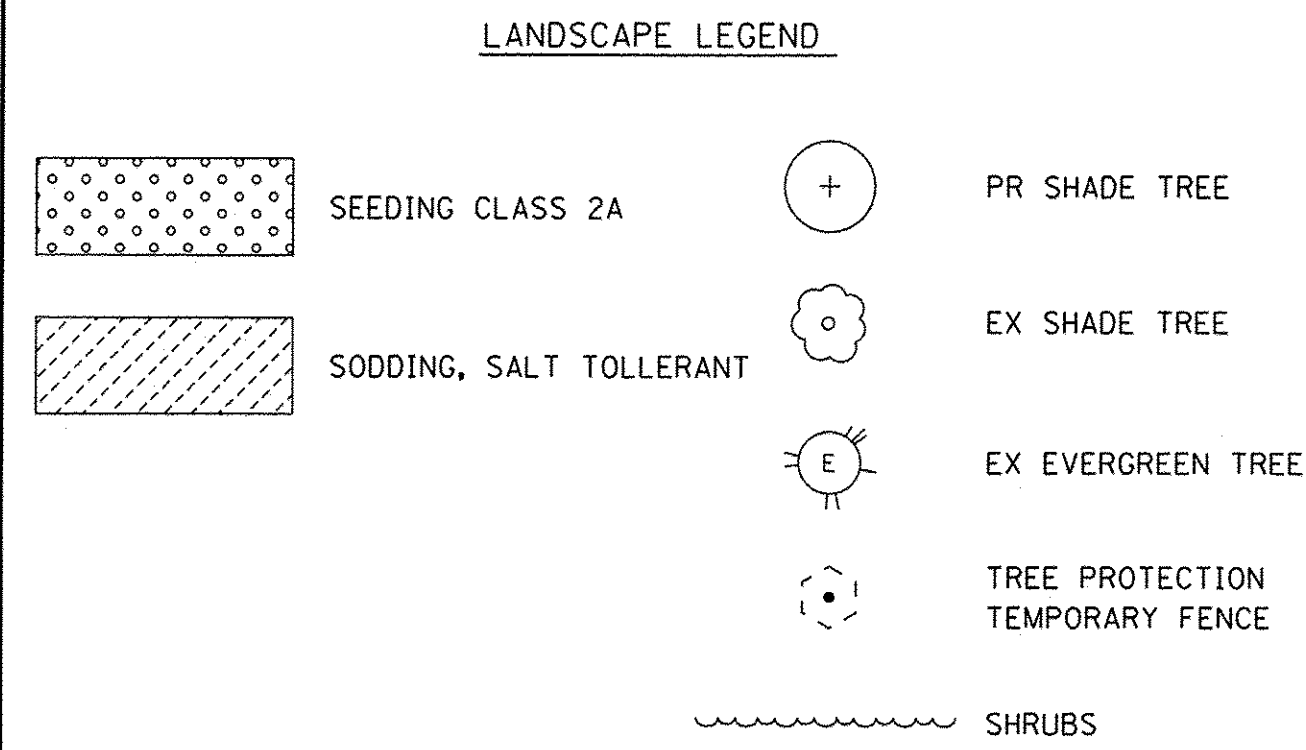
USER NAME: nicholas.tolarico
 PLOT SCALE: 1/8" = 100.0000' / in.
 PLOT DATE: 3/21/2016

DESIGNED	JRP	REVISED	-
DRAWN	MRF	REVISED	-
CHECKED	JRP	REVISED	-
DATE	03/21/2016	REVISED	-

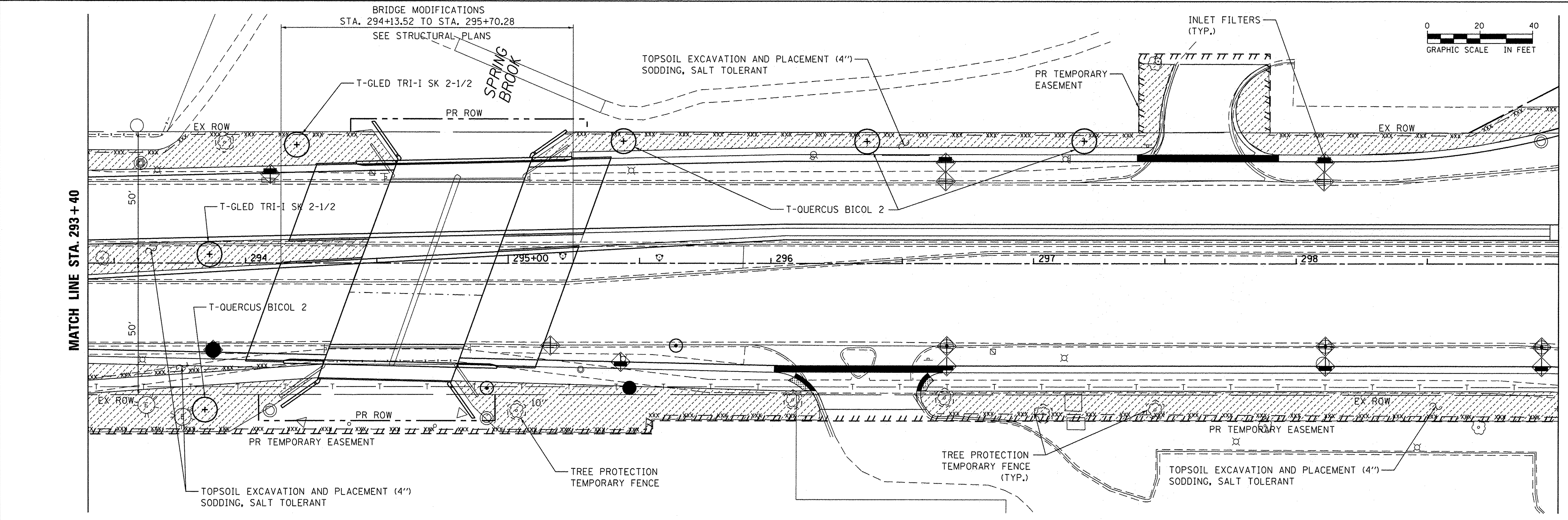
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION STAGING, WORK ZONE 1
 95TH AND PLAINFIELD/NAPERVILLE RD - STAGE 3
 SCALE: 1"=50' DRAWING NO. 9 OF 9 STA. 17+00 TO STA. 60+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	40
CONTRACT NO. 61A30			ILLINOIS FED. AID PROJECT	



MATCH LINE STA. 293 + 40



MATCH LINE STA. 299 + 00

FILE NAME = pt:\CDD04\28367381_95th Drawings\Contract\North\Roadway\Erosion Control\1\Sh+Ero-001.dgn



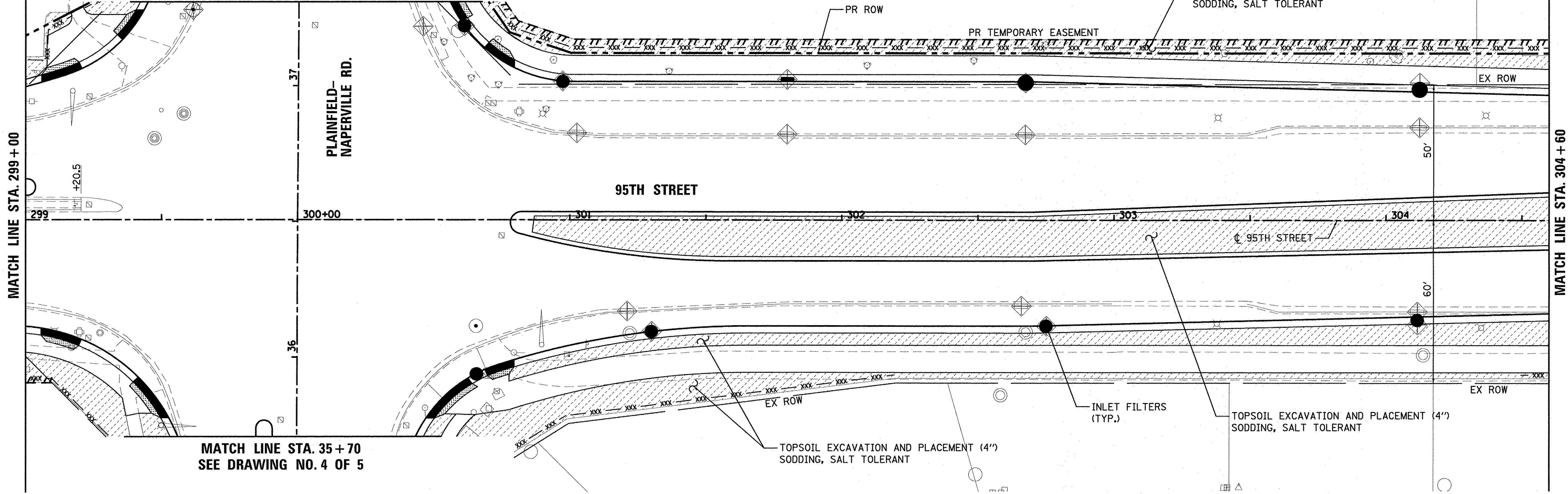
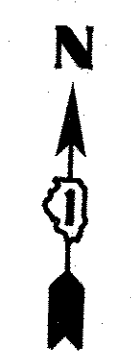
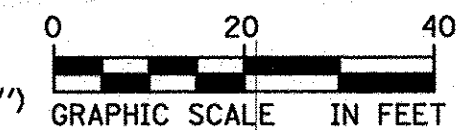
USER NAME = james.push	DESIGNED - JRP	REVISED -
PLOT SCALE = 20,0000' / 1in.	DRAWN - MRF	REVISED -
PLOT DATE = 1/21/2016	CHECKED - JRP	REVISED -
	DATE - 01/20/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

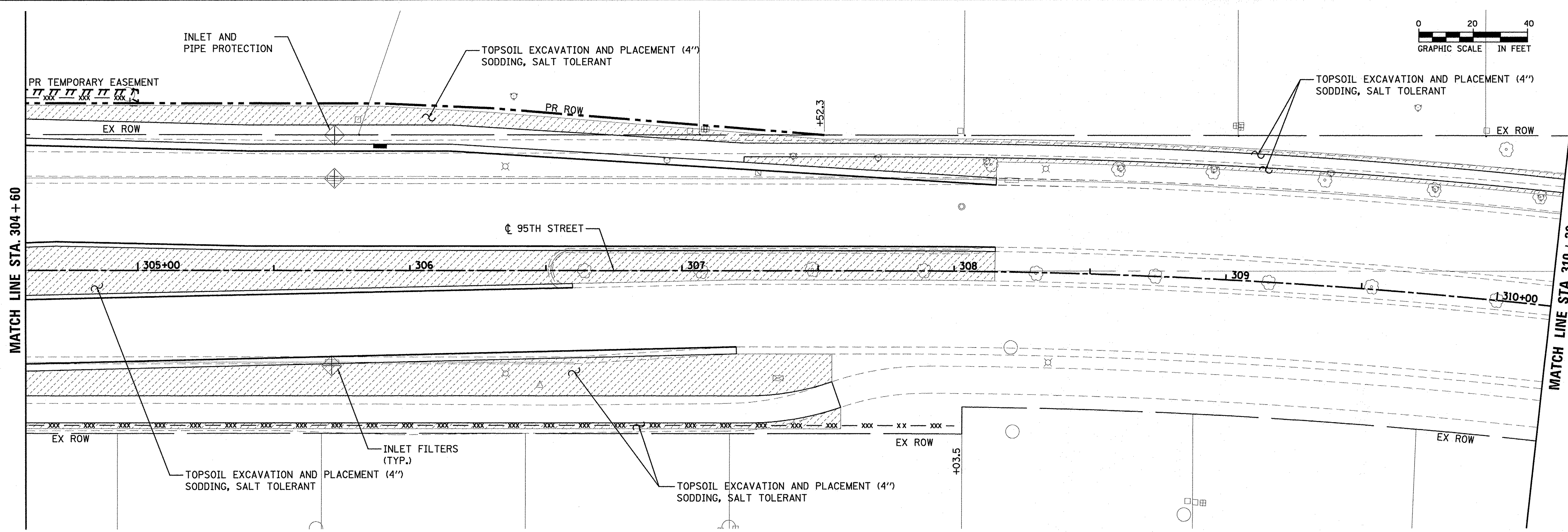
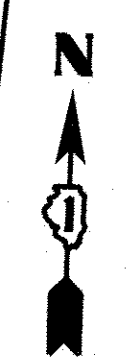
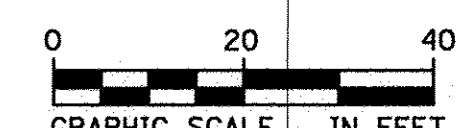
95TH STREET EROSION CONTROL & LANDSCAPE PLANS	
SCALE: 1"=20'	DRAWING NO. 1 OF 5
STA. 288+00 TO STA. 299+00	

F.A.J. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 41
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

SEE DRAWING NO. 4 OF 5
MATCH LINE STA. 37 + 30



MATCH LINE STA. 35 + 70
SEE DRAWING NO. 4 OF 5



FILE NAME = p:\VCD\01-253673\B1-95th\0-aranga\Contr\ac-north\Roadway\Erosion_Control\Sheet-002.dgn



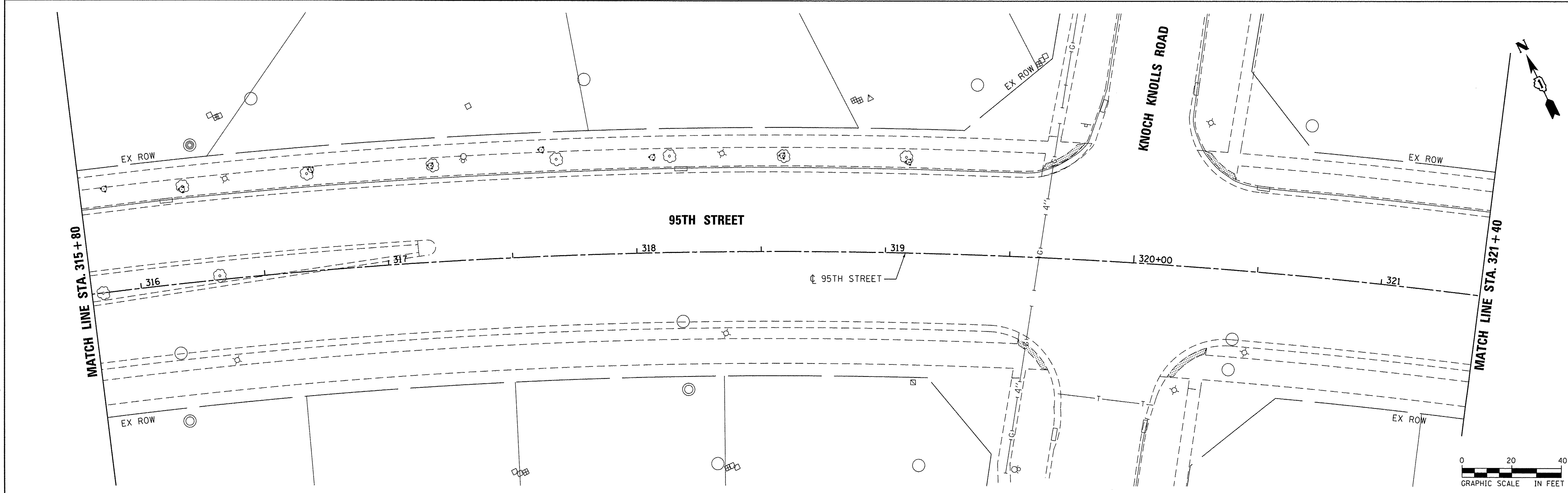
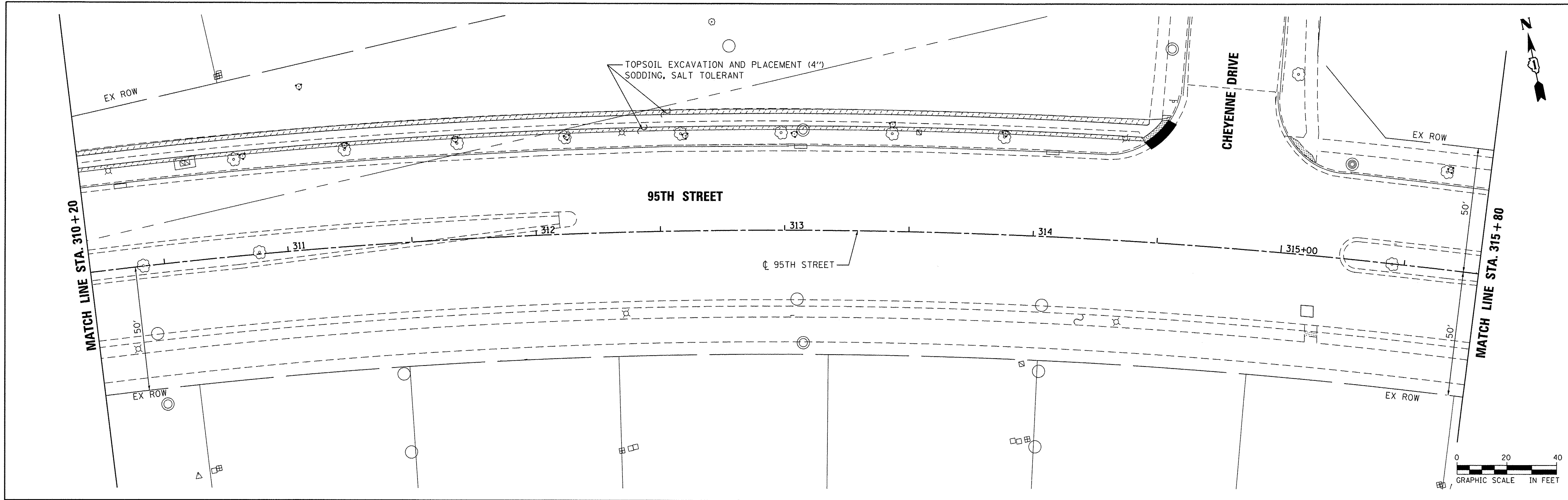
USER NAME = james.push	DESIGNED - JRP	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - MRF	REVISED -
PLOT DATE = 10/14/2016	CHECKED - JRP	REVISED -
	DATE - 10/13/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

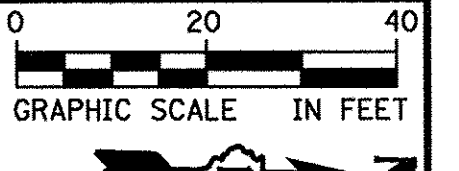
95TH STREET EROSION CONTROL & LANDSCAPE PLANS		
SCALE: 1"=20'	DRAWING NO. 2 OF 5	STA. 299+00 TO STA. 310+20

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 42
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

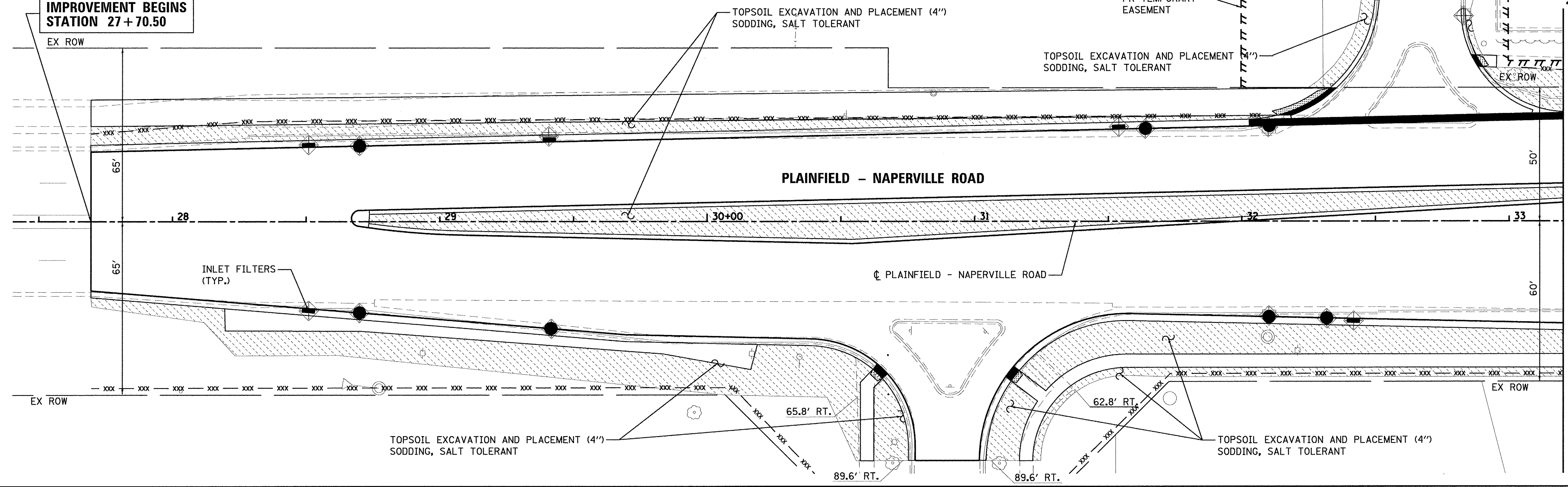
FILE NAME = p:\MCD04_25367281_95th\Drawings\Contract\North\Roadway\Erosion Control\Sheet\Ero-003.dgn



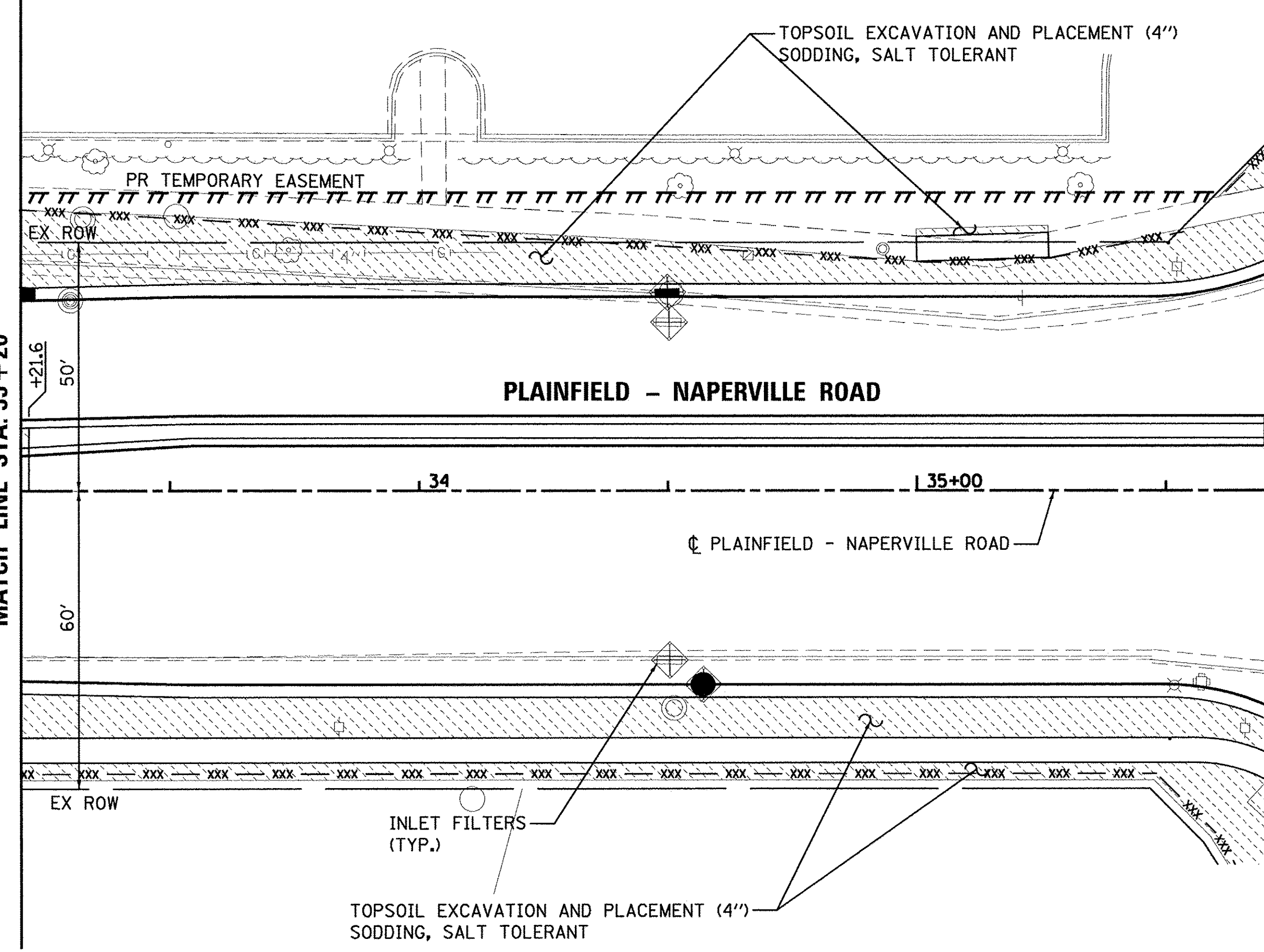
AECOM	USER NAME = james.push	DESIGNED - JRP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	95TH STREET EROSION CONTROL & LANDSCAPE PLANS		F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 43	
	PLOT SCALE = 20.0000' / 1" =	CHECKED - JRP	REVISED -		SCALE: 1"=20'	DRAWING NO. 3 OF 5	STA. 310+20 TO STA. 321+40	CONTRACT NO. 61A30				
	PLOT DATE = 1/21/2016	DATE - 01/20/2016	REVISED -		ILLINOIS FED. AID PROJECT							



IMPROVEMENT BEGINS
STATION 27+70.50

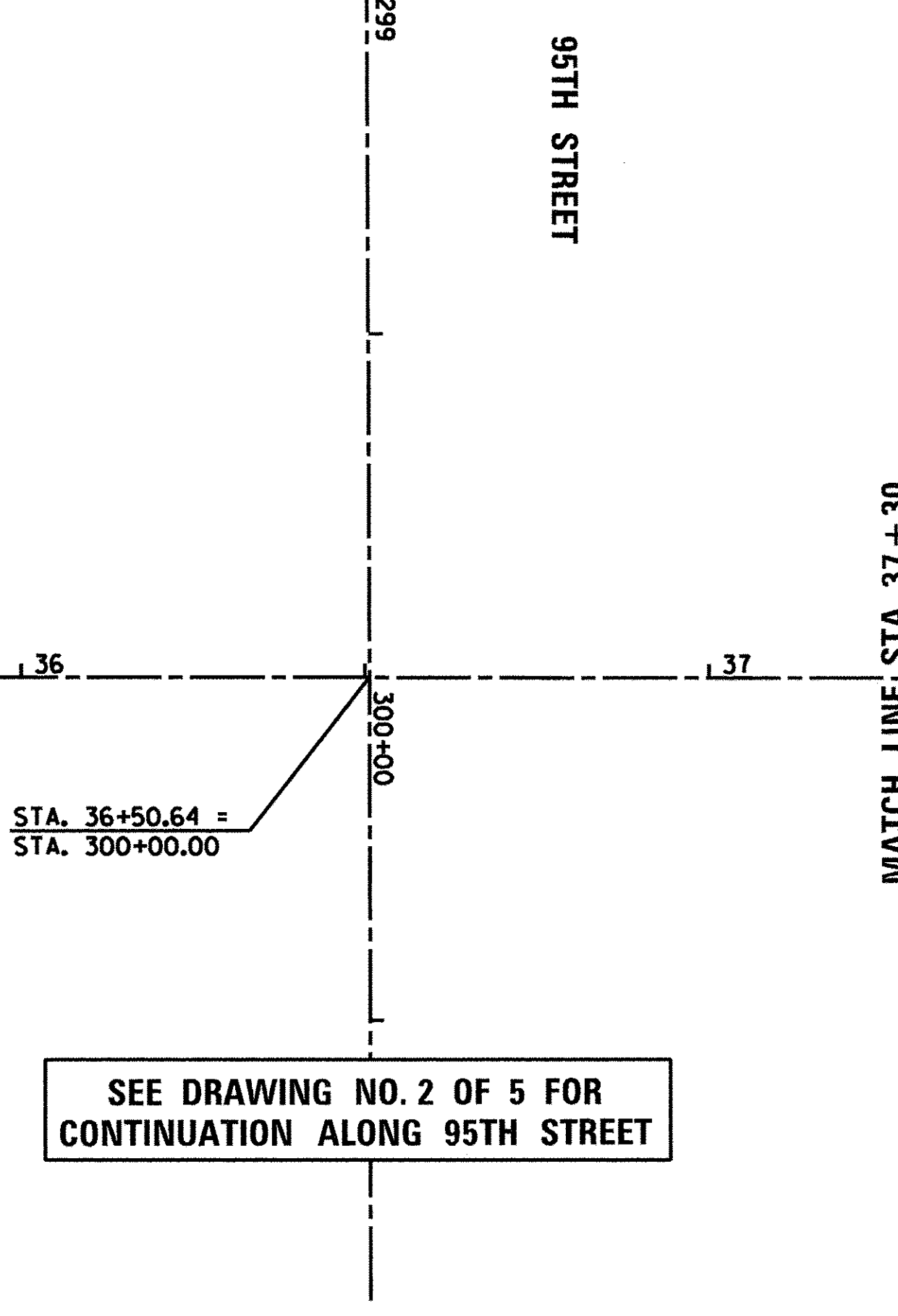


MATCH LINE STA. 33+20

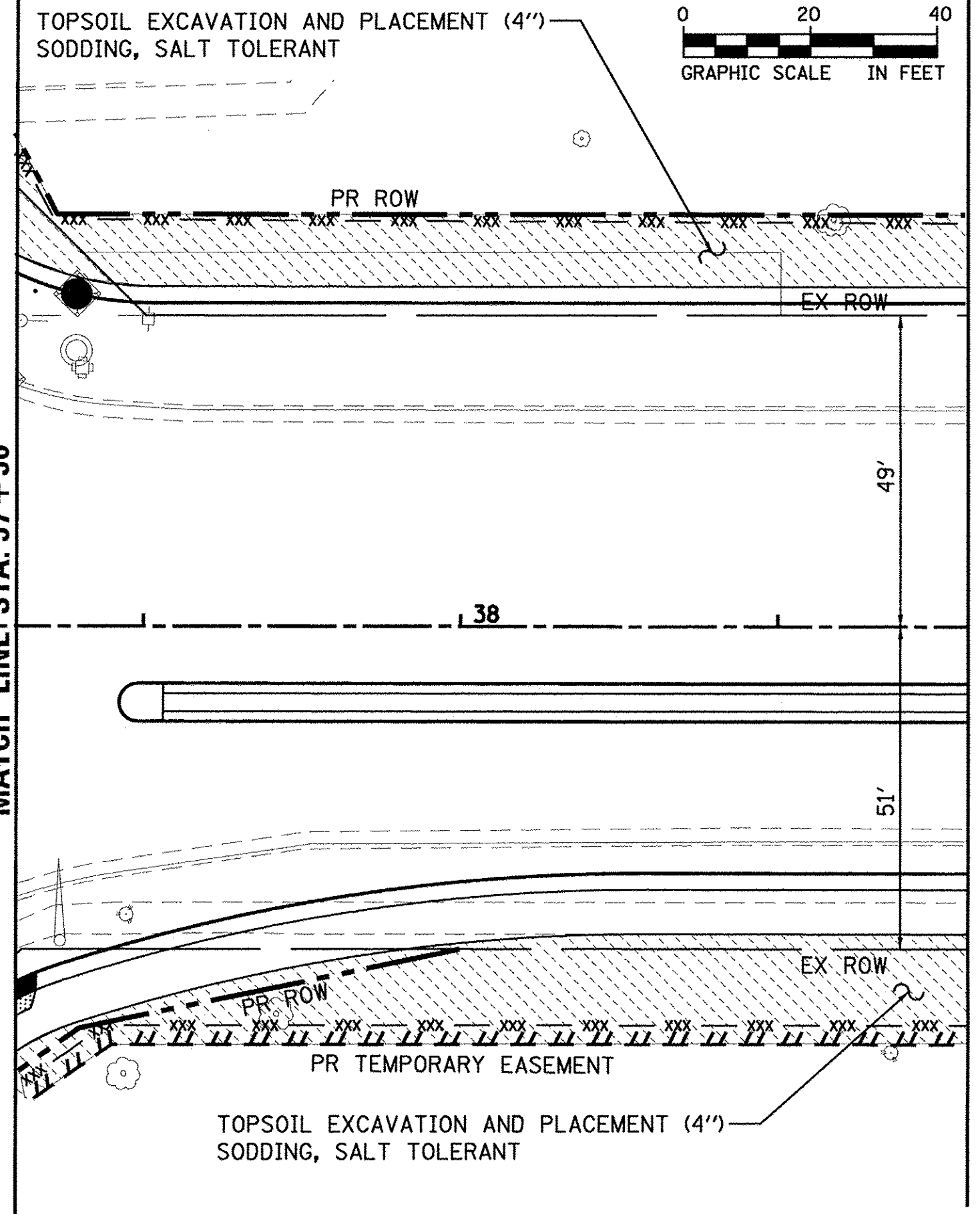


MATCH LINE STA. 33+20

MATCH LINE STA. 35+70



SEE DRAWING NO. 2 OF 5 FOR
CONTINUATION ALONG 95TH STREET



MATCH LINE STA. 38+80

FILE NAME = p:\MCD\25367381_95th\Drawings\Contr-er-01\Roadway\Erosion_Contr-er-01.dgn



USER NAME = james.push
PLOT SCALE = 10.0000' / 1" = 100
PLOT DATE = 10/14/2016

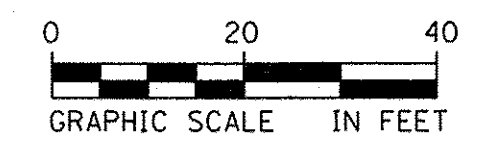
DESIGNED - JRP
DRAWN - MRF
CHECKED - JRP
DATE - 10/13/2016

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

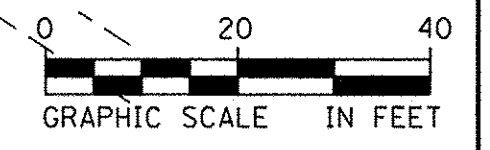
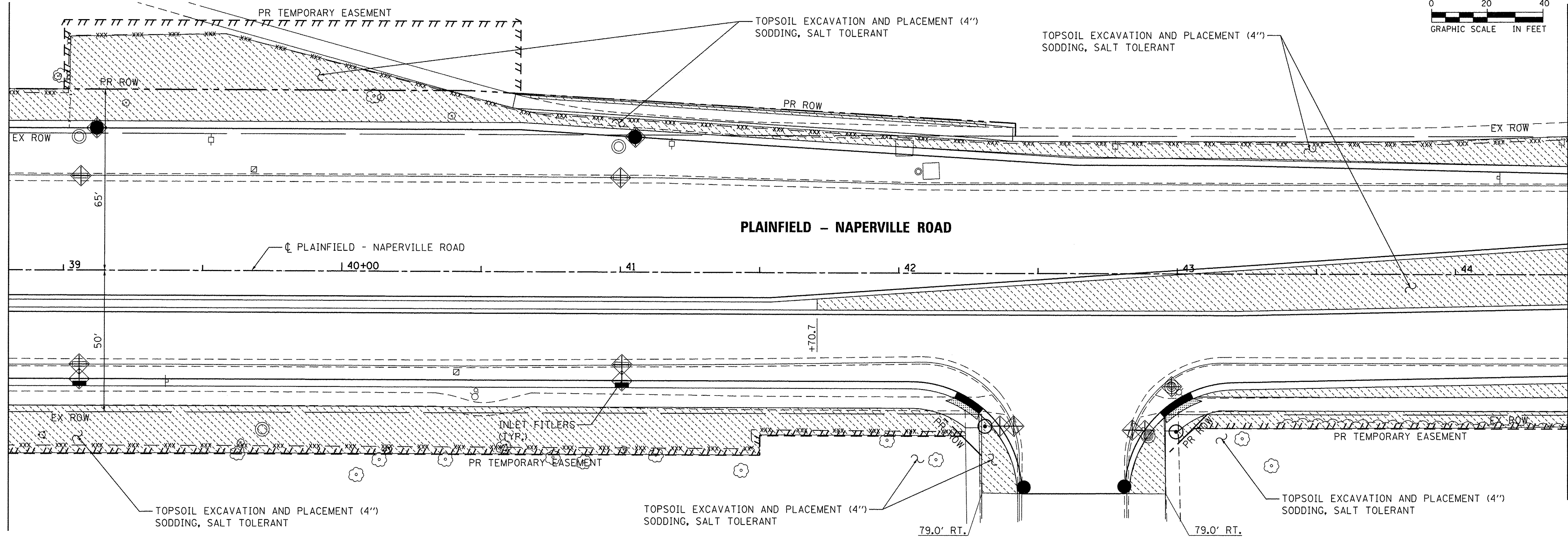
PLAINFIELD - NAPERVILLE ROAD
EROSION CONTROL & LANDSCAPE PLANS
SCALE: 1"=20' DRAWING NO. 4 OF 5 STA. 27+70.50 TO STA. 38+80

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	44
				CONTRACT NO. 61A30
ILLINOIS FED. AID PROJECT				

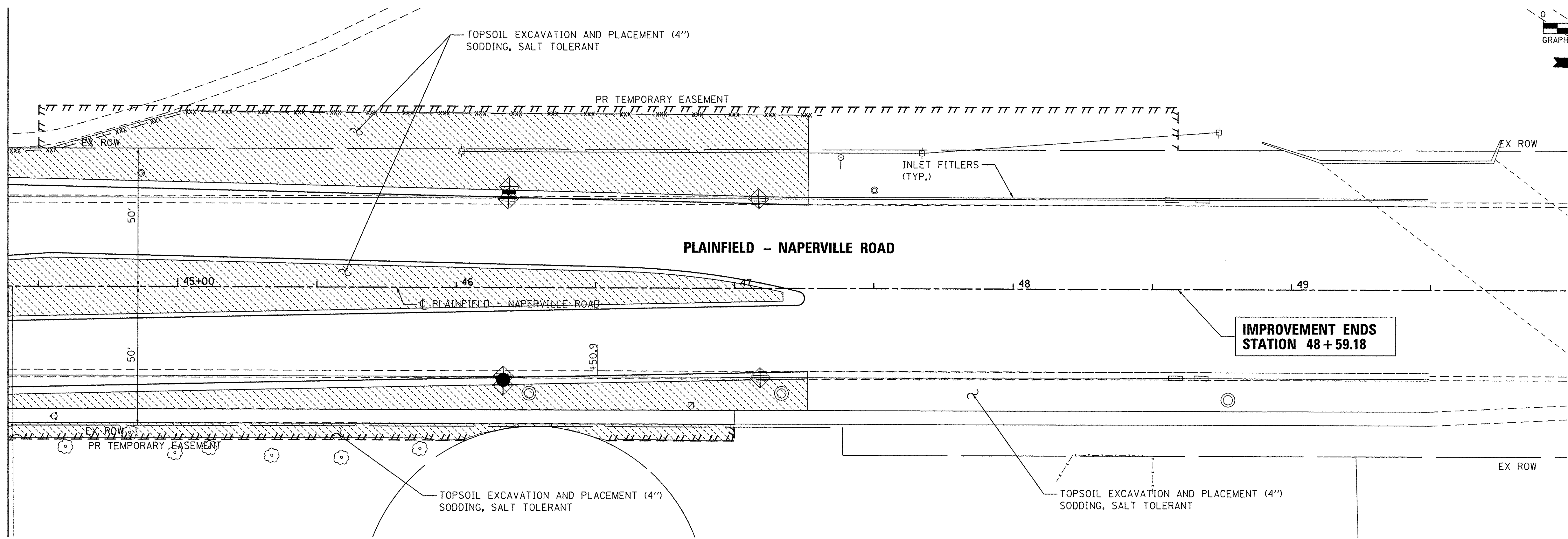


MATCH LINE STA. 38 + 80

MATCH LINE STA. 44 + 40



MATCH LINE STA. 44 + 40



FILE NAME = p:\VCD004_25367281_95th\Drawings\Contract\North\Roadway\Erosion_Control\Shk-Ero-01.dgn



USER NAME = james.push	DESIGNED - JRP	REVISED -
PLOT SCALE = 20,000' / 1in.	DRAWN - MRF	REVISED -
PLOT DATE = 1/21/2016	CHECKED - JRP	REVISED -
	DATE - 01/20/2016	REVISED -

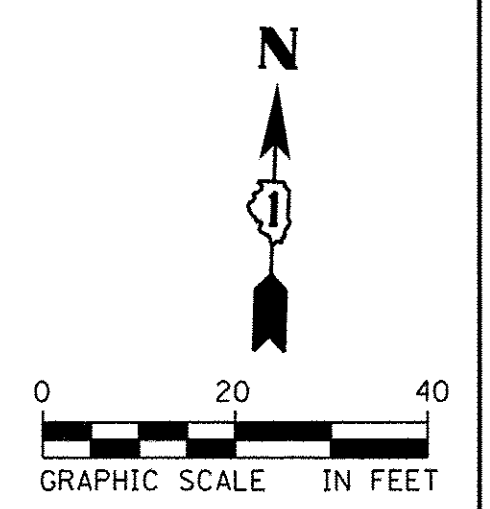
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAINFIELD - NAPERVILLE ROAD EROSION CONTROL & LANDSCAPE PLANS	
SCALE: 1"=20'	DRAWING NO. 5 OF 5
STA. 38+80	TO STA. 48+59.18

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 45
CONTRACT NO. 61A30				ILLINOIS FED. AID PROJECT

PLAN LEGEND:

ADJ	MANHOLES OR CATCH BASINS TO BE ADJUSTED
REC	MANHOLES TO BE RECONSTRUCTED
*	WITH NEW TYPE 1 FRAME, CLOSED LID
**	WITH NEW TYPE 1 FRAME, OPEN LID
R	REMOVING MANHOLES OR CATCH BASINS
---	STORM SEWER REMOVAL

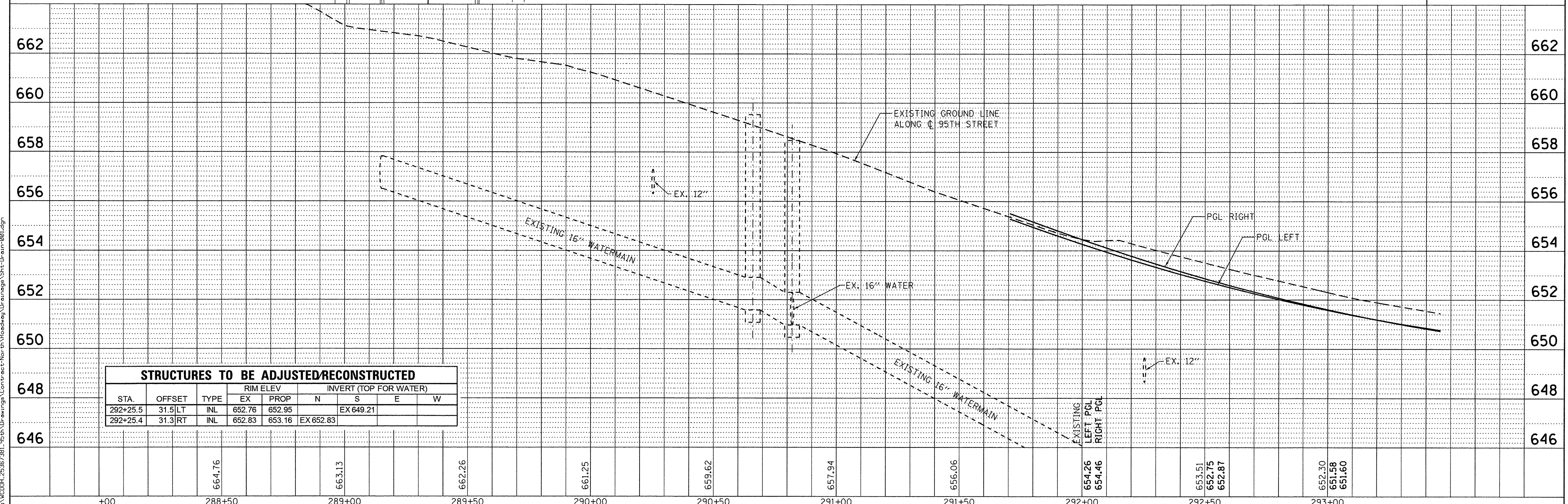
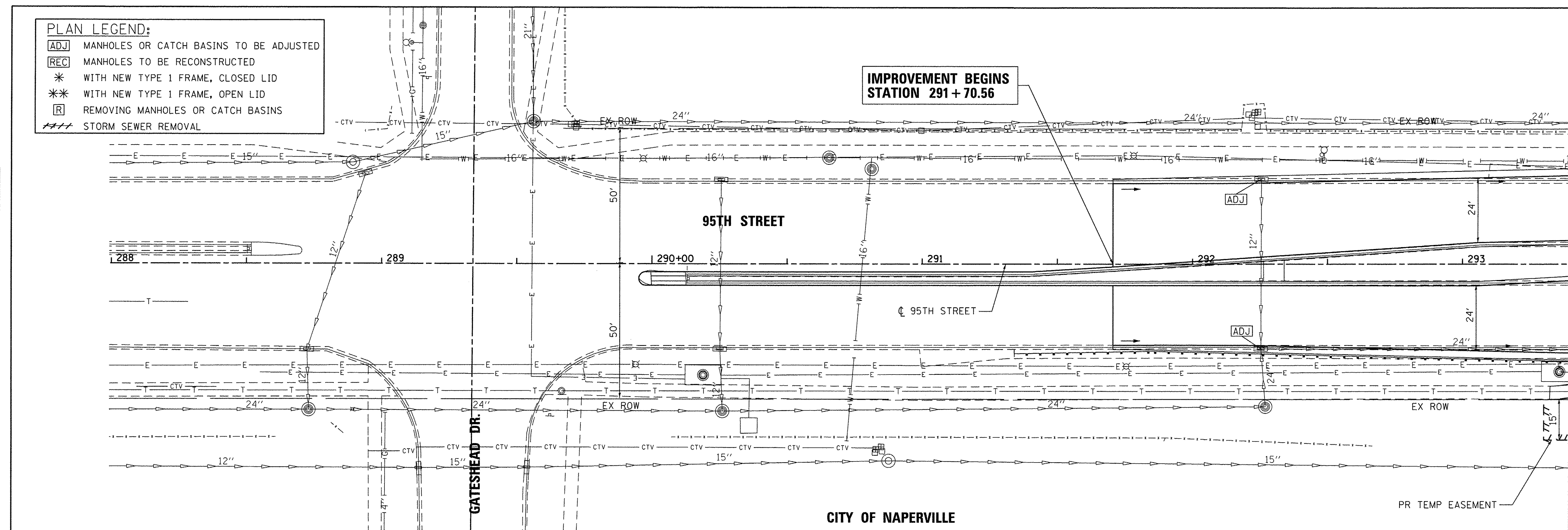


PLAN

DATE	
BY	
SUPERVISED	
PLOTTED	
ALIGNED	
CHECKED	
NO. _____	
NOTE BOOK _____	
NO. _____	
STRUCTURE _____	
NOTATIONS _____	
DATE _____	

PROFILE

DATE	
BY	
SUPERVISED	
PLOTTED	
GRADES	
CHECKED	
NO. _____	
STRUCTURE _____	
NOTATIONS _____	
DATE _____	



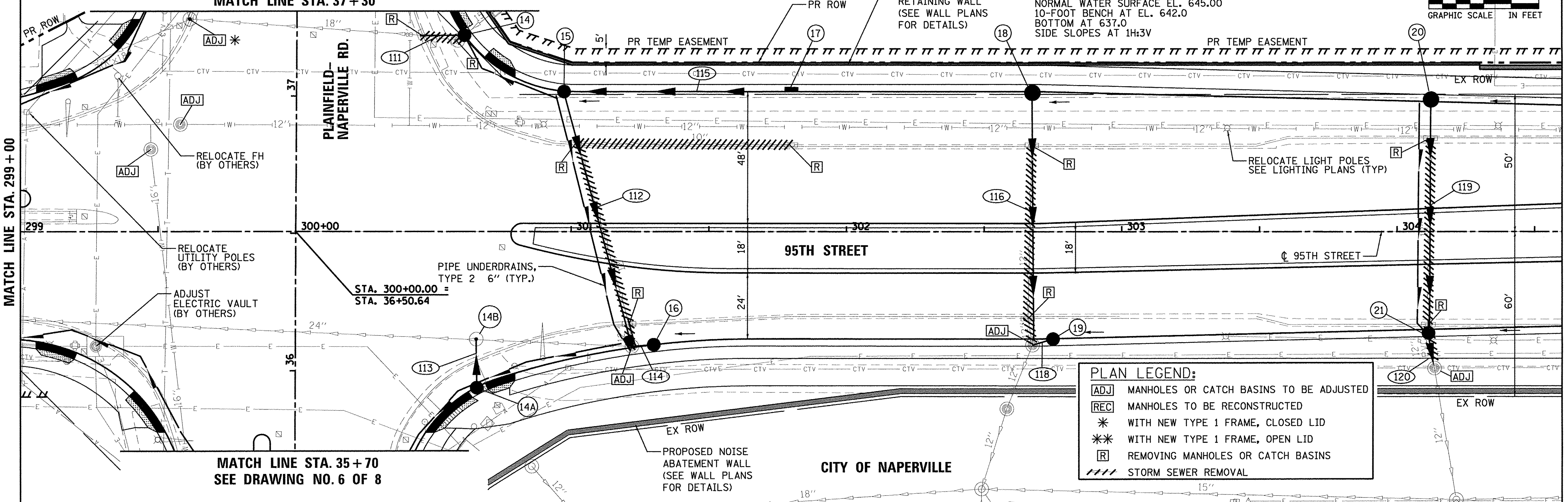
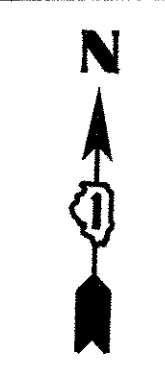
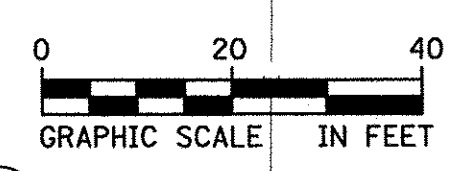
STRUCTURES TO BE ADJUSTED/RECONSTRUCTED

STA.	OFFSET	TYPE	RIM ELEV		INVERT (TOP FOR WATER)				
			EX	PROP	N	S	E	W	
292+25.5	31.5	LT	INL	652.76	652.95		EX 649.21		
292+25.4	31.3	RT	INL	652.83	653.16	EX 652.83			

AECOM	USER NAME = james_push	DESIGNED - JRP	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	95TH STREET DRAINAGE & UTILITY PLANS		F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 46	
	PLOT SCALE = 20.0000' / 1"	CHECKED - JRP	REVISED		SCALE: 1"=20'	DRAWING NO. 1 OF 8	STA. 288+00 TO STA. 293+40	CONTRACT NO. 61A30		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 1/21/2016	DATE - 01/20/2016	REVISED									

SEE DRAWING NO. 6 OF 8
MATCH LINE STA. 37 + 30

EXISTING DETENTION POND:
HIGH WATER SURFACE EL. 650.50
NORMAL WATER SURFACE EL. 645.00
10-FOOT BENCH AT EL. 642.0
BOTTOM AT 637.0
SIDE SLOPES AT 1H:3V



PLAN LEGEND:

- [ADJ] MANHOLES OR CATCH BASINS TO BE ADJUSTED
- [REC] MANHOLES TO BE RECONSTRUCTED
- * WITH NEW TYPE 1 FRAME, CLOSED LID
- ** WITH NEW TYPE 1 FRAME, OPEN LID
- [R] REMOVING MANHOLES OR CATCH BASINS
- //// STORM SEWER REMOVAL

MATCH LINE STA. 35 + 70
SEE DRAWING NO. 6 OF 8

DRAINAGE PIPE TABLE

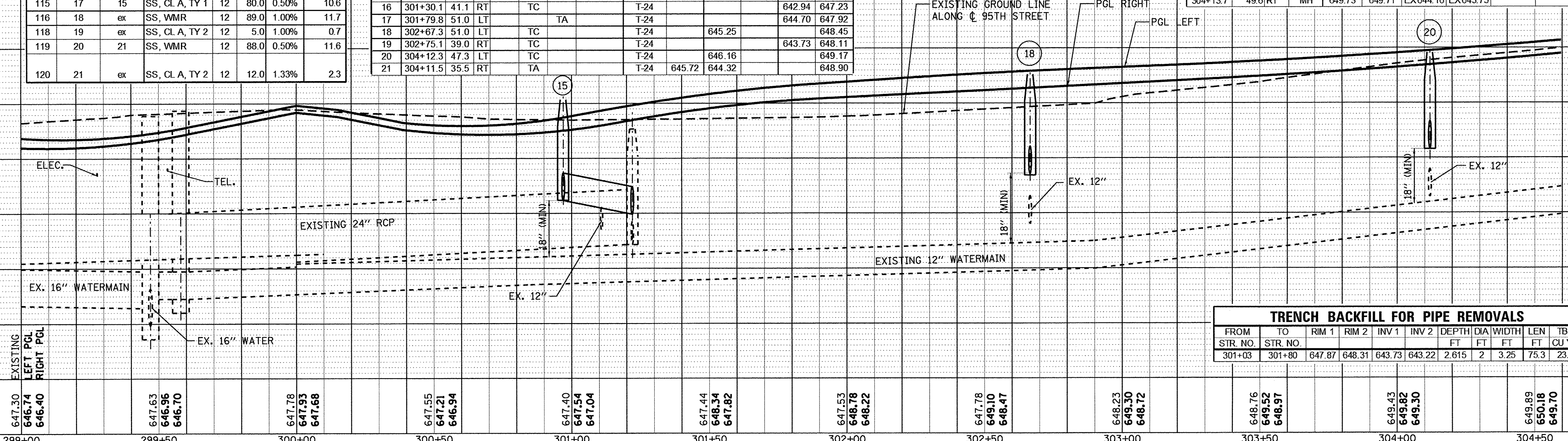
PIPE NO.	STR. NO. FROM	STR. NO. TO	DESCRIPTION	IN DIA.	FT LEN	SLOPE	CU YD TBF
111	14	ex	SS, CL A, TY 1	18	15.0	1.53%	1.6
112	15	ex	SS, WMR	12	92.0	0.50%	12.1
113	14A	14B	SS, CL A, TY 1	12	14.0	1.00%	1.8
114	16	ex	SS, CL A, TY 2	12	4.0	0.25%	0.5
115	17	15	SS, CL A, TY 1	12	80.0	0.50%	10.6
116	18	ex	SS, WMR	12	89.0	1.00%	11.7
118	19	ex	SS, CL A, TY 2	12	5.0	1.00%	0.7
119	20	21	SS, WMR	12	88.0	0.50%	11.6
120	21	ex	SS, CL A, TY 2	12	12.0	1.33%	2.3

DRAINAGE STRUCTURE TABLE

STR. NO.	STA.	OFFSET	MH	TC=2' TA=4'	INL	OTHER	FRAME AND GRATE	N	S	E	W	RIM ELEV.
14	300+61.2	71.4	LT	TA			T-24			644.01	643.94	647.30
14A	300+65.8	56.8	RT	TA			T-24	643.10				646.40
14B	300+65.6	39.0	RT	4			T-1-CL	642.96	642.61	642.59		646.70
15	300+97.4	51.0	LT	TA			T-24	644.30	644.30			646.80
16	301+30.1	41.1	RT	TC			T-24			642.94	647.23	
17	301+79.8	51.0	LT	TA			T-24			644.70	647.92	
18	302+67.3	51.0	LT	TC			T-24	645.25				648.45
19	302+75.1	39.0	RT	TC			T-24			643.73	648.11	
20	304+12.3	47.3	LT	TC			T-24	646.16				649.17
21	304+11.5	35.5	RT	TA			T-24	645.72	644.32			648.90

STRUCTURES TO BE ADJUSTED/RECONSTRUCTED

STA.	OFFSET	TYPE	RIM ELEV.		INVERT (TOP FOR WATER)				
			EX	PROP	N	S	E	W	
299+61.6	77.3	LT	INL	647.76	647.65	EX 643.26	EX 643.26		EX 643.36
299+58.1	39.1	LT	WATER	647.74	647.29	EX 642.10	EX 641.90	EX 641.90	EX 641.90
299+47.4	30.0	LT	WATER	647.55	646.45	EX 641.27	EX 641.62		
301+22.1	41.7	RT	MH	647.12	647.12	PR 643.84		EX 642.93	EX 642.89
302+67.6	41.2	RT	MH	648.08	647.88	PR 644.36	EX 643.35		643.88
304+13.7	49.6	RT	MH	649.73	649.71	EX 644.16	EX 643.75		



TRENCH BACKFILL FOR PIPE REMOVALS

FROM STR. NO.	TO STR. NO.	RIM 1	RIM 2	INV 1	INV 2	DEPTH	DIA	WIDTH	LEN	TBF
301+03	301+80	647.87	648.31	643.73	643.22	2.615	2	3.25	75.3	23.7

PLAN SURVEYED BY DATE
NOTE BOOK NO. CHECKED BY DATE
NO. OF WAY CHECKED BY DATE
DAD FILE NAME

PROFILE SURVEYED BY DATE
DIA. CHECKED BY DATE
NO. OF STRUCTURE NOTATION: CRKD



USER NAME = james.push
DESIGNED - JRP
DRAWN - MRF
CHECKED - JRP
DATE - 10/13/2016

REVISED
REVISED
REVISED
REVISED

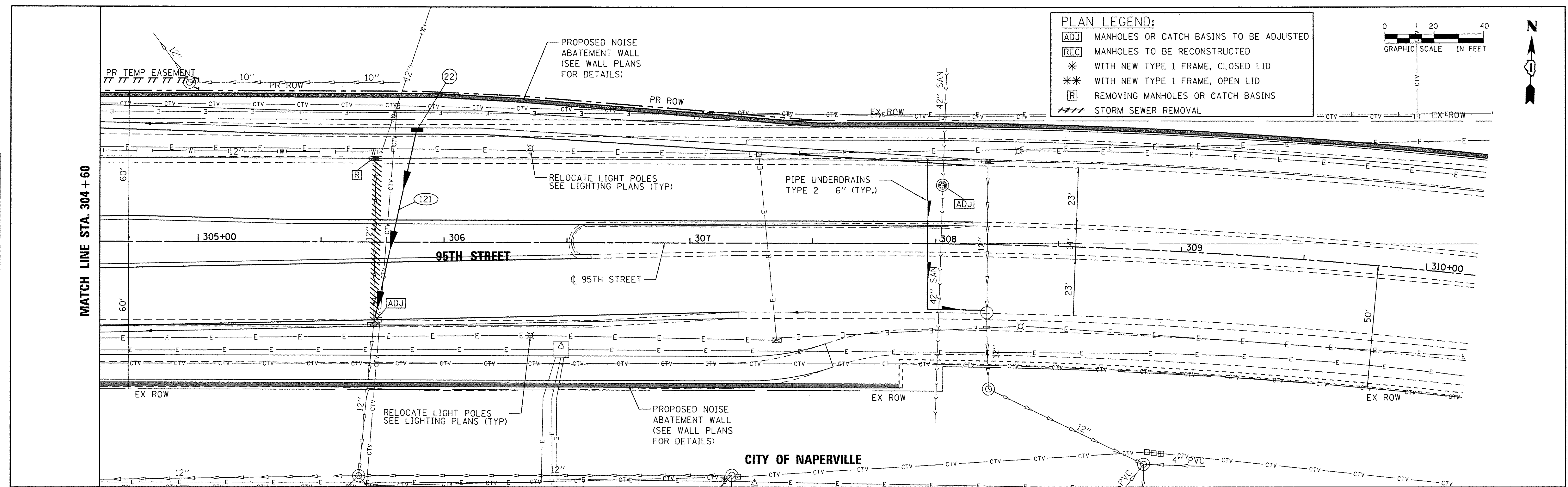
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

95TH STREET
DRAINAGE & UTILITY PLANS
SCALE: 1"=20' DRAWING NO. 3 OF 8 STA. 299+00 TO STA. 304+60

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	48
CONTRACT NO. 61A30			ILLINOIS FED. AID PROJECT	

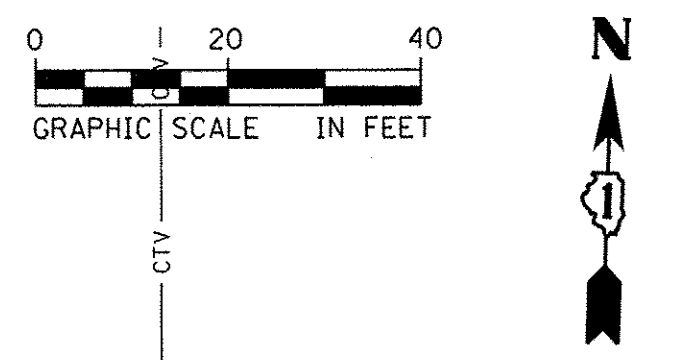
DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	
PLAN	
NO.	
NO.	
NO.	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	
PROFILE	
NO.	
NO.	
NO.	
NO.	



PLAN LEGEND:

ADJ	MANHOLES OR CATCH BASINS TO BE ADJUSTED
REC	MANHOLES TO BE RECONSTRUCTED
*	WITH NEW TYPE 1 FRAME, CLOSED LID
**	WITH NEW TYPE 1 FRAME, OPEN LID
R	REMOVING MANHOLES OR CATCH BASINS
---	STORM SEWER REMOVAL

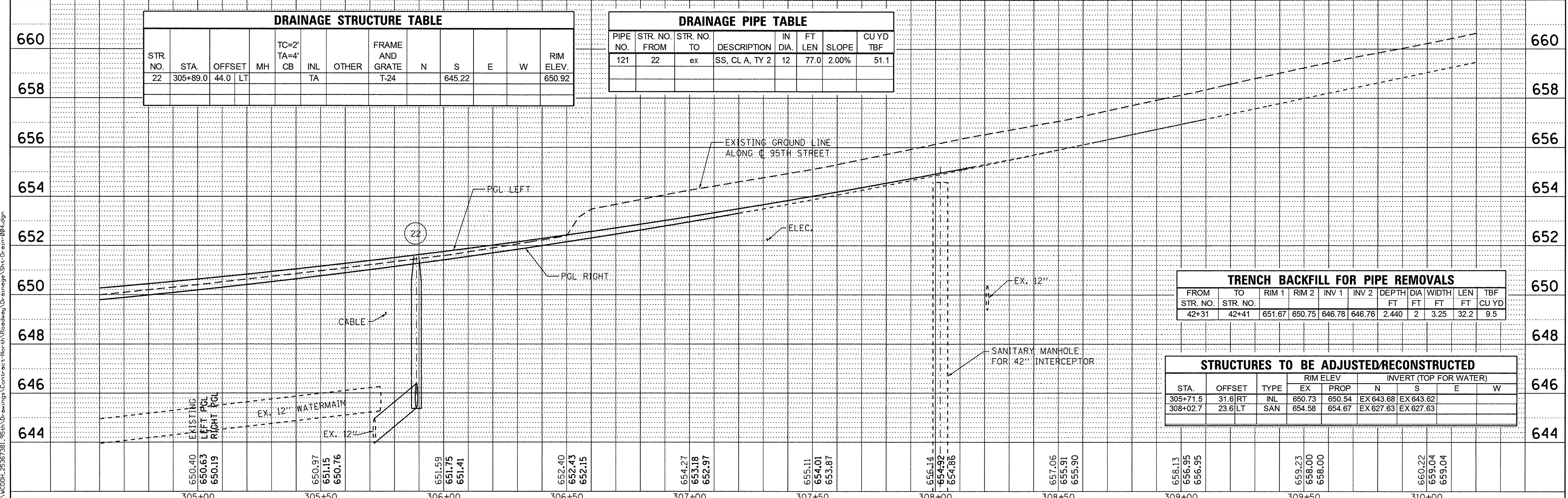


DRAINAGE STRUCTURE TABLE

STR. NO.	STA.	OFFSET	MH	TC=2' TA=4'	CB	INL	OTHER	FRAME AND GRATE	N	S	E	W	RIM ELEV.
22	305+89.0	44.0	LT			TA		T-24		645.22			650.92

DRAINAGE PIPE TABLE

PIPE NO.	STR. NO. FROM	STR. NO. TO	DESCRIPTION	IN DIA.	FT LEN	SLOPE	CU YD TBF
121	22	ex	SS, CL A, TY 2	12	77.0	2.00%	51.1



TRENCH BACKFILL FOR PIPE REMOVALS

FROM STR. NO.	TO STR. NO.	RIM 1	RIM 2	INV 1	INV 2	DEPTH FT	DIA FT	WIDTH FT	LEN FT	TBF CU YD
42+31	42+41	651.67	650.75	646.78	646.76	2.440	2	3.25	32.2	9.5

STRUCTURES TO BE ADJUSTED/RECONSTRUCTED

STA.	OFFSET	TYPE	RIM ELEV		INVERT (TOP FOR WATER)				
			EX	PROP	N	S	E	W	
305+71.5	31.6	RT	INL	650.73	650.54	EX 643.68	EX 643.62		
308+02.7	23.6	LT	SAN	654.98	654.67	EX 627.63	EX 627.63		



USER NAME = james_push
 PLOT SCALE = 20.0000' / 1"
 PLOT DATE = 1/21/2016

DESIGNED - JRP
 DRAWN - MRF
 CHECKED - JRP
 DATE - 01/20/2016

REVISED
 REVISED
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

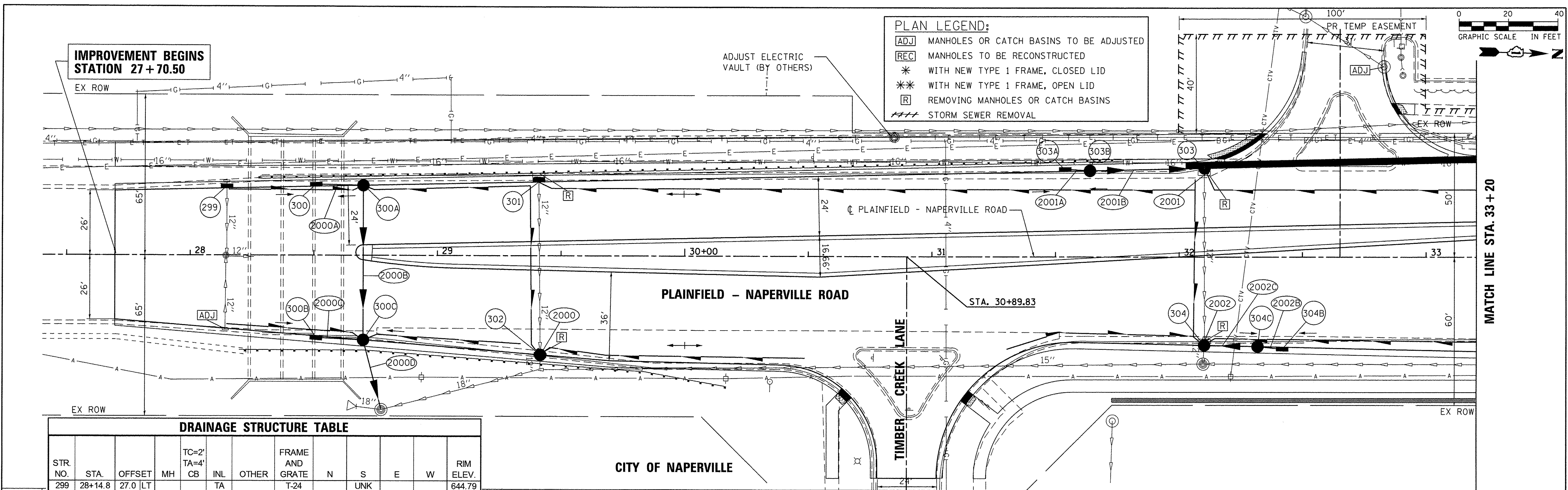
95TH STREET
 DRAINAGE & UTILITY PLANS
 SCALE: 1"=20' DRAWING NO. 4 OF 8 STA. 304+60 TO STA. 310+20

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 49
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

DATE	BY
REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMITS
2	REVISED PER COMMENTS
3	REVISED PER COMMENTS
4	REVISED PER COMMENTS
5	REVISED PER COMMENTS
6	REVISED PER COMMENTS
7	REVISED PER COMMENTS
8	REVISED PER COMMENTS
9	REVISED PER COMMENTS
10	REVISED PER COMMENTS
11	REVISED PER COMMENTS
12	REVISED PER COMMENTS
13	REVISED PER COMMENTS
14	REVISED PER COMMENTS
15	REVISED PER COMMENTS
16	REVISED PER COMMENTS
17	REVISED PER COMMENTS
18	REVISED PER COMMENTS
19	REVISED PER COMMENTS
20	REVISED PER COMMENTS
21	REVISED PER COMMENTS
22	REVISED PER COMMENTS
23	REVISED PER COMMENTS
24	REVISED PER COMMENTS
25	REVISED PER COMMENTS
26	REVISED PER COMMENTS
27	REVISED PER COMMENTS
28	REVISED PER COMMENTS
29	REVISED PER COMMENTS
30	REVISED PER COMMENTS
31	REVISED PER COMMENTS
32	REVISED PER COMMENTS
33	REVISED PER COMMENTS
34	REVISED PER COMMENTS
35	REVISED PER COMMENTS
36	REVISED PER COMMENTS
37	REVISED PER COMMENTS
38	REVISED PER COMMENTS
39	REVISED PER COMMENTS
40	REVISED PER COMMENTS
41	REVISED PER COMMENTS
42	REVISED PER COMMENTS
43	REVISED PER COMMENTS
44	REVISED PER COMMENTS
45	REVISED PER COMMENTS
46	REVISED PER COMMENTS
47	REVISED PER COMMENTS
48	REVISED PER COMMENTS
49	REVISED PER COMMENTS
50	REVISED PER COMMENTS

DATE	BY
REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMITS
2	REVISED PER COMMENTS
3	REVISED PER COMMENTS
4	REVISED PER COMMENTS
5	REVISED PER COMMENTS
6	REVISED PER COMMENTS
7	REVISED PER COMMENTS
8	REVISED PER COMMENTS
9	REVISED PER COMMENTS
10	REVISED PER COMMENTS
11	REVISED PER COMMENTS
12	REVISED PER COMMENTS
13	REVISED PER COMMENTS
14	REVISED PER COMMENTS
15	REVISED PER COMMENTS
16	REVISED PER COMMENTS
17	REVISED PER COMMENTS
18	REVISED PER COMMENTS
19	REVISED PER COMMENTS
20	REVISED PER COMMENTS
21	REVISED PER COMMENTS
22	REVISED PER COMMENTS
23	REVISED PER COMMENTS
24	REVISED PER COMMENTS
25	REVISED PER COMMENTS
26	REVISED PER COMMENTS
27	REVISED PER COMMENTS
28	REVISED PER COMMENTS
29	REVISED PER COMMENTS
30	REVISED PER COMMENTS
31	REVISED PER COMMENTS
32	REVISED PER COMMENTS
33	REVISED PER COMMENTS
34	REVISED PER COMMENTS
35	REVISED PER COMMENTS
36	REVISED PER COMMENTS
37	REVISED PER COMMENTS
38	REVISED PER COMMENTS
39	REVISED PER COMMENTS
40	REVISED PER COMMENTS
41	REVISED PER COMMENTS
42	REVISED PER COMMENTS
43	REVISED PER COMMENTS
44	REVISED PER COMMENTS
45	REVISED PER COMMENTS
46	REVISED PER COMMENTS
47	REVISED PER COMMENTS
48	REVISED PER COMMENTS
49	REVISED PER COMMENTS
50	REVISED PER COMMENTS

DATE	BY
REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR PERMITS
2	REVISED PER COMMENTS
3	REVISED PER COMMENTS
4	REVISED PER COMMENTS
5	REVISED PER COMMENTS
6	REVISED PER COMMENTS
7	REVISED PER COMMENTS
8	REVISED PER COMMENTS
9	REVISED PER COMMENTS
10	REVISED PER COMMENTS
11	REVISED PER COMMENTS
12	REVISED PER COMMENTS
13	REVISED PER COMMENTS
14	REVISED PER COMMENTS
15	REVISED PER COMMENTS
16	REVISED PER COMMENTS
17	REVISED PER COMMENTS
18	REVISED PER COMMENTS
19	REVISED PER COMMENTS
20	REVISED PER COMMENTS
21	REVISED PER COMMENTS
22	REVISED PER COMMENTS
23	REVISED PER COMMENTS
24	REVISED PER COMMENTS
25	REVISED PER COMMENTS
26	REVISED PER COMMENTS
27	REVISED PER COMMENTS
28	REVISED PER COMMENTS
29	REVISED PER COMMENTS
30	REVISED PER COMMENTS
31	REVISED PER COMMENTS
32	REVISED PER COMMENTS
33	REVISED PER COMMENTS
34	REVISED PER COMMENTS
35	REVISED PER COMMENTS
36	REVISED PER COMMENTS
37	REVISED PER COMMENTS
38	REVISED PER COMMENTS
39	REVISED PER COMMENTS
40	REVISED PER COMMENTS
41	REVISED PER COMMENTS
42	REVISED PER COMMENTS
43	REVISED PER COMMENTS
44	REVISED PER COMMENTS
45	REVISED PER COMMENTS
46	REVISED PER COMMENTS
47	REVISED PER COMMENTS
48	REVISED PER COMMENTS
49	REVISED PER COMMENTS
50	REVISED PER COMMENTS



DRAINAGE STRUCTURE TABLE

STR. NO.	STA.	OFFSET	MH	TC=2' TA=4'	INL	OTHER	FRAME AND GRATE	N	S	E	W	RIM ELEV.
299	28+14.8	27.0	LT		TA		T-24		UNK			644.79
300	28+50.9	27.8	LT		TA		T-24	642.50				644.75
300A	28+70.0	28.2	LT		TA		T-24		642.44	640.68		644.76
300B	28+50.9	32.7	RT		TA		T-24	642.50				644.65
300C	28+70.0	34.3	RT		TA		T-24		642.44	637.00	640.47	644.64
301	29+41.0	29.8	LT		TA		T-24			640.30		644.96
302	29+41.6	40.2	RT		TA		T-24			639.28	638.94	644.76
303	32+10.0	35.8	LT		TA		T-24		641.54	641.54		644.73
303A	31+53.9	34.6	LT		TA		T-24	641.66				644.63
303B	31+64.0	34.8	LT		TA		T-24	641.64				644.63
304	32+10.2	35.8	RT		TA		T-24	640.43		640.43	640.74	644.58
304B	32+41.8	36.5	RT		TA		T-24		640.52			644.54
304C	32+31.8	36.3	RT		TA		T-24	640.49	640.49			644.55

STRUCTURES TO BE ADJUSTED/RECONSTRUCTED

STA.	OFFSET	TYPE	RIM ELEV				INVERT (TOP FOR WATER)				
			EX	PROP	N	S	E	W			
28+14.1	29.7	RT	INL	UNK	644.77						
32+83.0	76.9	LT	CB		644.88	644.88		642.84			EX UNK

DRAINAGE PIPE TABLE

PIPE NO.	STR. NO. FROM	STR. NO. TO	DESCRIPTION	IN DIA.	FT LEN	SLOPE	CU YD TBF
2000A	300	300A	SS, CL A, TY 1	12	16.0	0.37%	0.3
2000B	300A	300C	SS, CL A, TY 2	12	59.0	0.36%	7.8
2000C	300B	300C	SS, CL A, TY 1	12	16.0	0.37%	0.3
2000D	300C	ex	SS, CL A, TY 2	12	25.0	0.36%	0.5
2000	ex	302	SS, CL A, TY 2	12	2.0	0.48%	0.6
2001	303	ex	SS, WMR	12	3.0	1.00%	0.4
2001A	303A	303B	SS, WMR	12	7.0	0.29%	0.9
2001B	303B	303	SS, WMR	12	43.0	0.23%	5.7
2002	ex	304	SS, CL A, TY 1	12	2.0	3.14%	0.3
2002B	304B	304C	SS, CL A, TY 1	12	7.0	0.43%	0.9
2002C	304C	304	SS, CL A, TY 2	12	18.0	0.34%	2.4



USER NAME = james_push
 PLOT SCALE = 20.0000' / 1"
 PLOT DATE = 1/21/2016

DESIGNED - JRP
 DRAWN - MRF
 CHECKED - JRP
 DATE - 01/20/2016

REVISED
 REVISED
 REVISED
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

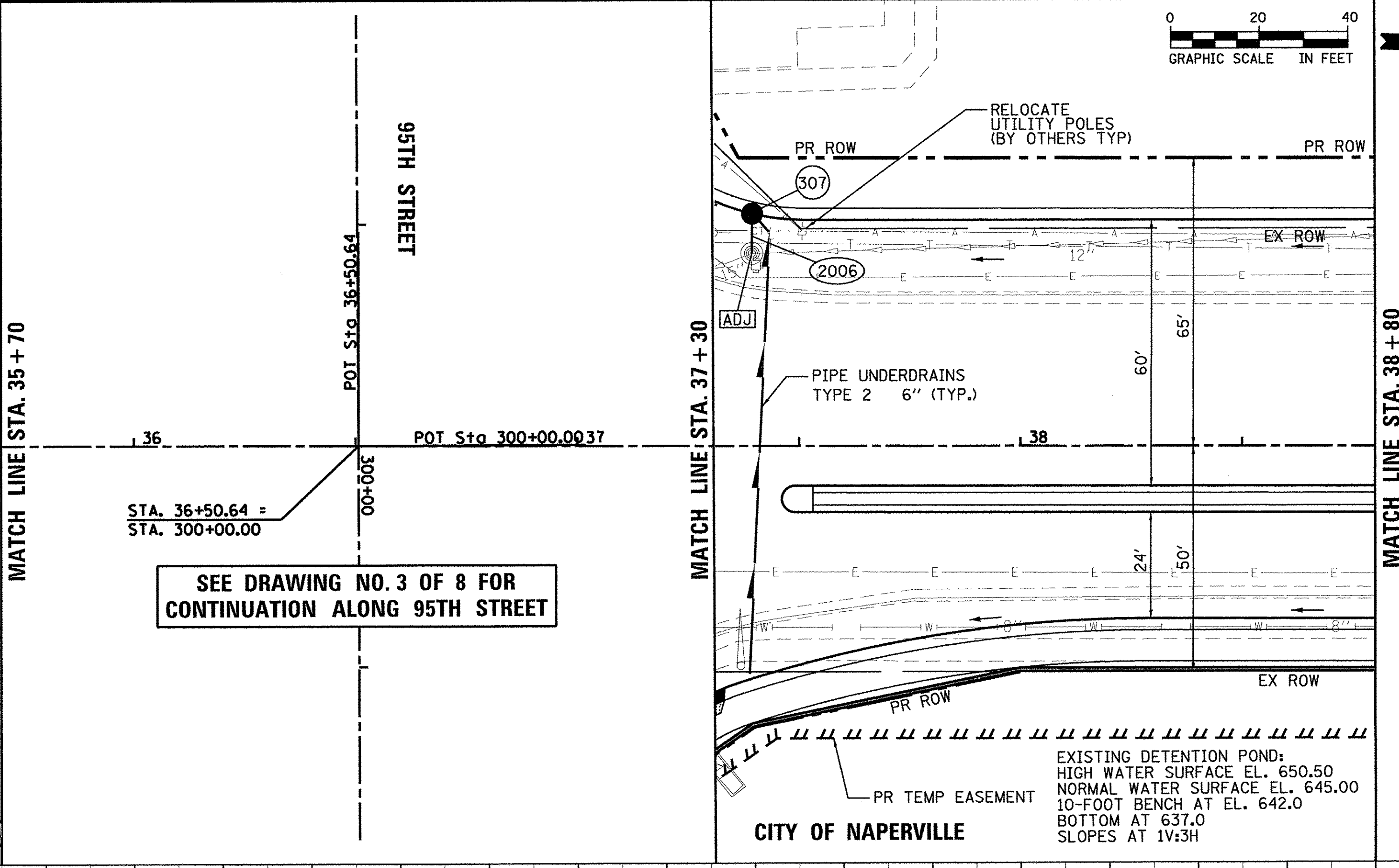
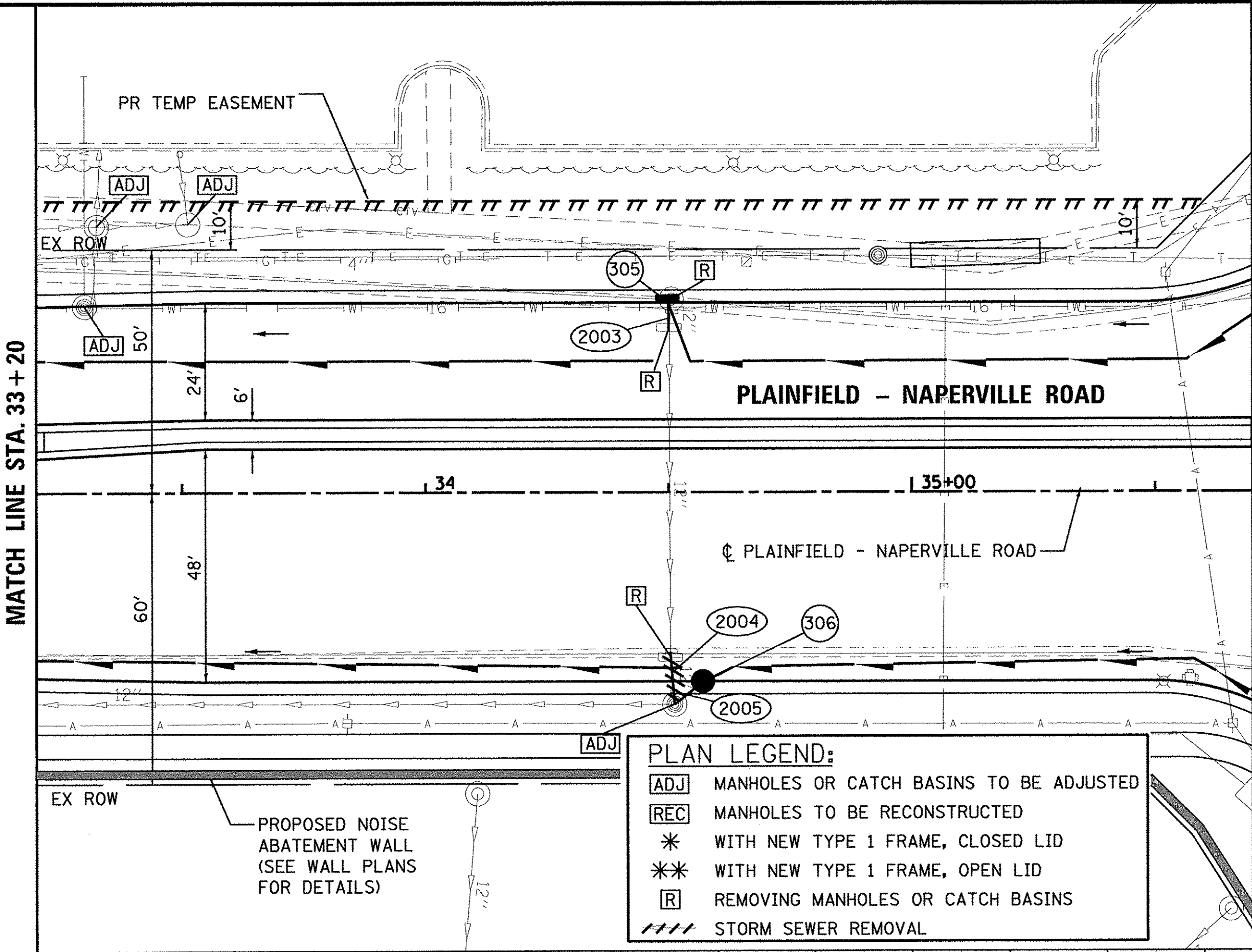
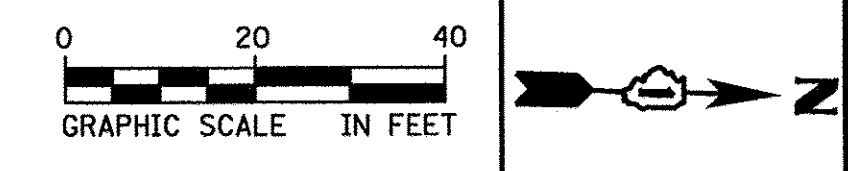
PLAINFIELD-NAPERVILLE ROAD
 DRAINAGE & UTILITY PLANS

SCALE: 1"=20' DRAWING NO. 5 OF 8 STA. 27+70.50 TO STA. 33+20

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 50
CONTRACT NO. 61A30			ILLINOIS FED. AID PROJECT	

PLAN SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO. CHECKED BY DATE
 NO. STRUCTURE NOTATIONS CPKID
 FILE NAME = p:\work\2013\2013-05-14\Drawings\Contact-Naperville\Roadway\Drainage\Sheet\Drain-026.dgn

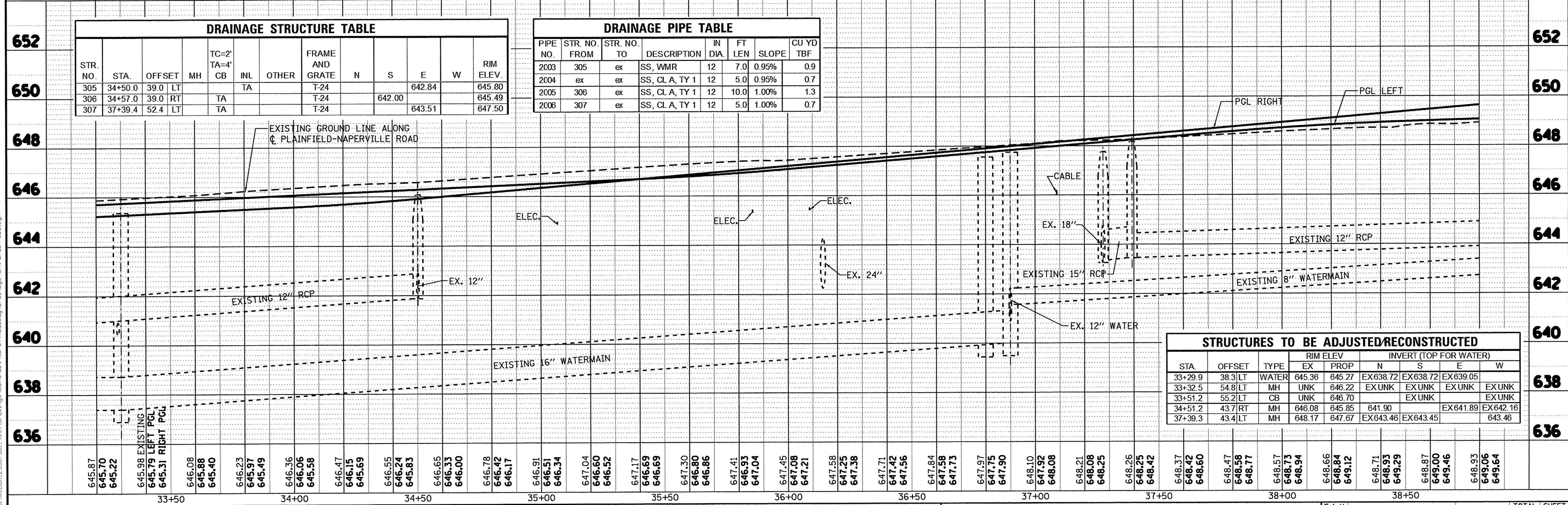
PROFILE SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO. CHECKED BY DATE
 NO. STRUCTURE NOTATIONS CPKID



SEE DRAWING NO. 3 OF 8 FOR CONTINUATION ALONG 95TH STREET

STR. NO.	STA.	OFFSET	MH	TC=2' TA=4'	INL	OTHER	FRAME AND GRATE	N	S	E	W	RIM ELEV.
305	34+50.0	39.0	LT		TA		T-24			642.84		645.80
306	34+57.0	39.0	RT		TA		T-24		642.00			645.49
307	37+39.4	52.4	LT		TA		T-24			643.51		647.50

PIPE NO.	STR. NO. FROM	STR. NO. TO	DESCRIPTION	IN DIA.	FT LEN.	SLOPE	CU YD TBF
2003	305	ex	SS, WMR	12	7.0	0.95%	0.9
2004	ex	ex	SS, CL A, TY 1	12	5.0	0.95%	0.7
2005	306	ex	SS, CL A, TY 1	12	10.0	1.00%	1.3
2006	307	ex	SS, CL A, TY 1	12	5.0	1.00%	0.7



STA	OFFSET	TYPE	RIM ELEV		INVERT (TOP FOR WATER)			
			EX	PROP	N	S	E	W
33+29.9	38.3	LT WATER	645.36	645.27	EX 638.72	EX 638.72	EX 639.05	
33+32.5	54.8	LT MH	UNK	646.22	EX UNK	EX UNK	EX UNK	EX UNK
33+51.2	55.2	LT CB	UNK	646.70		EX UNK		EX UNK
34+51.2	43.7	RT MH	646.08	645.85	641.90			EX 641.89
37+39.3	43.4	LT MH	648.17	647.67	EX 643.46	EX 643.45		643.46



USER NAME = james.push
 DESIGNED - JRP
 DRAWN - MRF
 CHECKED - JRP
 DATE - 10/13/2016

REVISOR
 REVISION
 REVISION
 REVISION

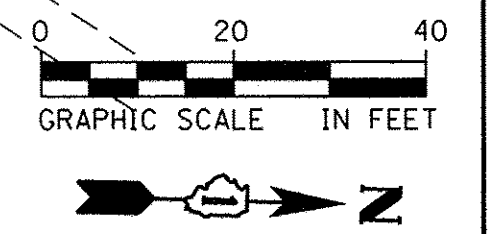
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAINFIELD-NAPERVILLE ROAD
 DRAINAGE & UTILITY PLANS

SCALE: 1"=20' DRAWING NO. 6 OF 8 STA. 33+20 TO STA. 38+80

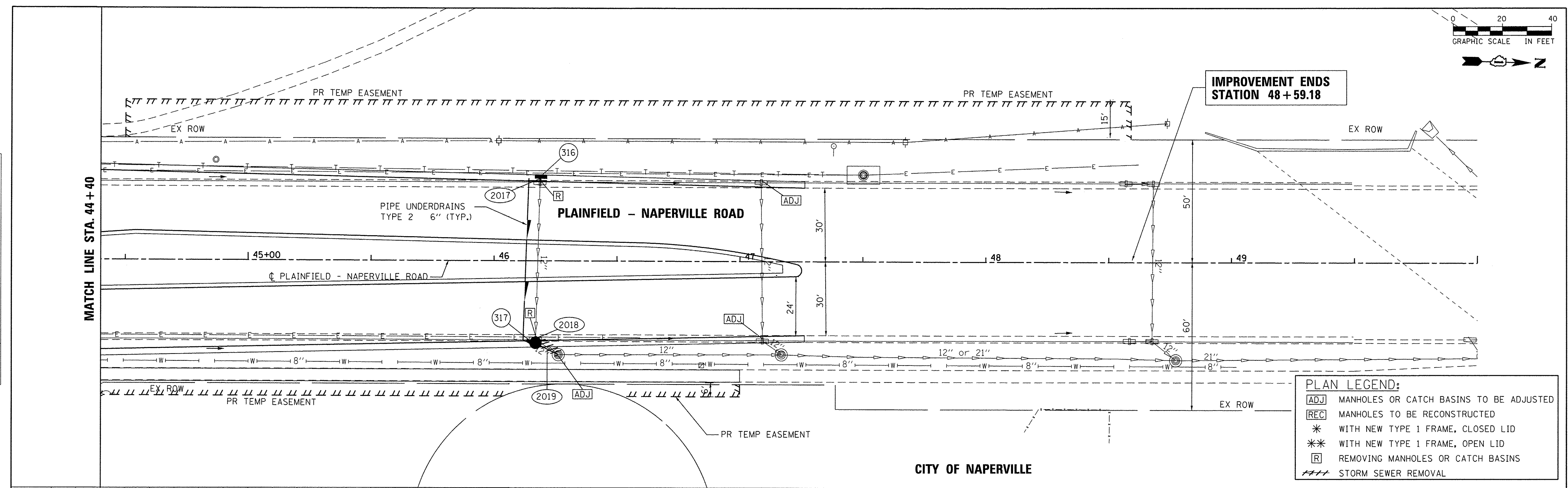
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	51

CONTRACT NO. 61A30
 ILLINOIS FED. AID PROJECT



DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
CHECKED	
NO.	
PLAN	
NO.	

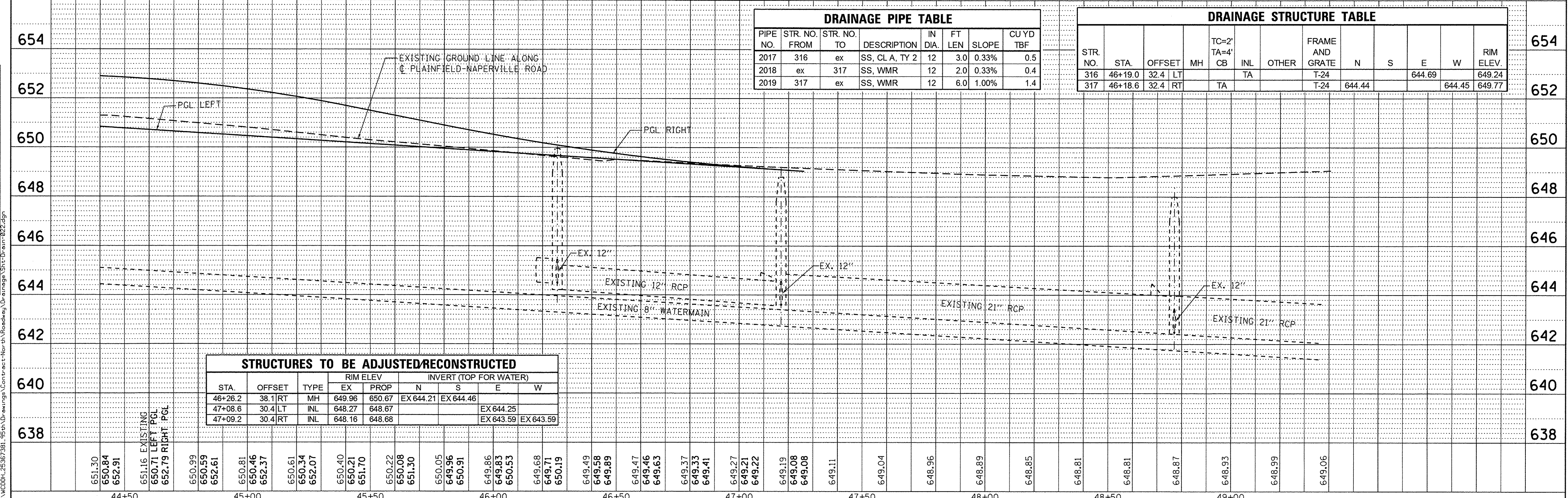
DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
CHECKED	
NO.	
PROFILE	
NO.	



**IMPROVEMENT ENDS
STATION 48 + 59.18**

PLAN LEGEND:

- ADJ MANHOLES OR CATCH BASINS TO BE ADJUSTED
- REC MANHOLES TO BE RECONSTRUCTED
- * WITH NEW TYPE 1 FRAME, CLOSED LID
- ** WITH NEW TYPE 1 FRAME, OPEN LID
- R REMOVING MANHOLES OR CATCH BASINS
- STORM SEWER REMOVAL



DRAINAGE PIPE TABLE

PIPE NO.	STR. NO. FROM	STR. NO. TO	DESCRIPTION	IN DIA.	FT LEN	SLOPE	CU YD TBF
2017	316	ex	SS, CL A, TY 2	12	3.0	0.33%	0.5
2018	ex	317	SS, WMR	12	2.0	0.33%	0.4
2019	317	ex	SS, WMR	12	6.0	1.00%	1.4

DRAINAGE STRUCTURE TABLE

STR. NO.	STA.	OFFSET	MH	TC=2' TA=4'	INL	OTHER	FRAME AND GRATE				RIM ELEV.	
							N	S	E	W		
316	46+19.0	32.4	LT		TA		T-24				644.69	649.24
317	46+18.6	32.4	RT		TA		T-24	644.44			644.45	649.77

STRUCTURES TO BE ADJUSTED/RECONSTRUCTED

STA.	OFFSET	TYPE	RIM ELEV		INVERT (TOP FOR WATER)				
			EX	PROP	N	S	E	W	
46+26.2	38.1	RT	MH	649.96	650.67	EX 644.21	EX 644.46		
47+08.6	30.4	LT	INL	648.27	648.67			EX 644.25	
47+09.2	30.4	RT	INL	648.16	648.68			EX 643.59	EX 643.59

USER NAME = james.push

DESIGNED - JRP

DRAWN - MRF

CHECKED - JRP

DATE - 01/20/2016

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD-NAPERVILLE ROAD
DRAINAGE & UTILITY PLANS**

SCALE: 1"=20'

DRAWING NO. 8 OF 8

STA. 44+40 TO STA. 48+59.18

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	53

CONTRACT NO. 61A30

FILE NAME = z:\VCD04_25367381_95\h\Drawings\Contract\North\Roadway\Drainage\STC\Drawm322.dgn

PART OF THE NE 1/4 SECTION 11 & PART OF THE SE 1/4 SECTION 2, ALL IN T37N, R9E OF THE 3rd PM, WHEATLAND TOWNSHIP, WILL COUNTY, ILLINOIS.

LEGEND

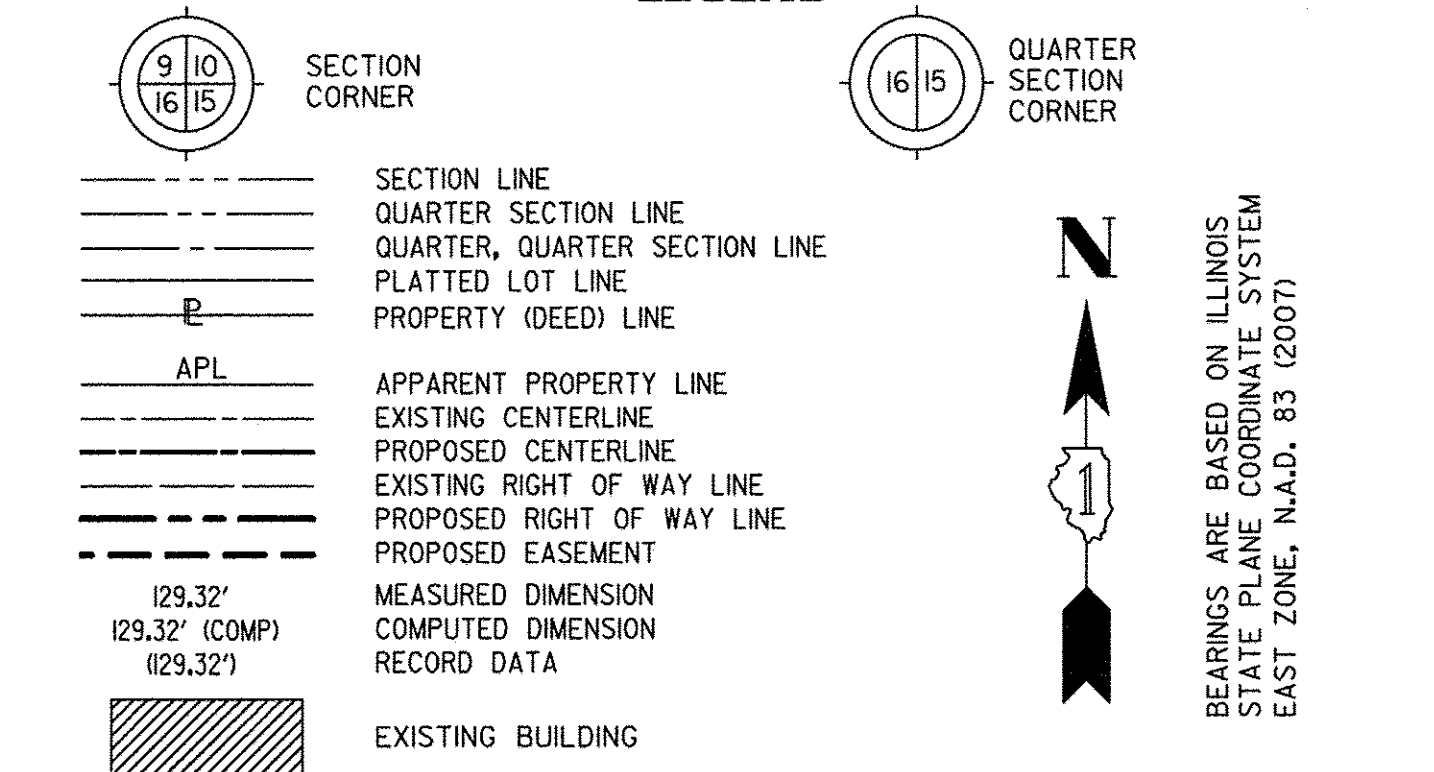
CONTRACT NO. 61A30

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
0001	NAPERVILLE PARK DISTRICT, DuPAGE AND WILL COUNTIES, ILLINOIS, A MUNICIPAL CORPORATION	7.126	0.021	7.105				07-01-11-210-019	
0001TE-B						0.069	CONSTRUCTION		
0002TE-B	95TH STREET MEDICAL LLC, A DELAWARE LIMITED LIABILITY COMPANY	2.253				0.068	CONSTRUCTION	07-01-11-210-035	
0003A	NAPERVILLE PARK DISTRICT, DuPAGE AND WILL COUNTIES, ILLINOIS, A MUNICIPAL CORPORATION	12.386	0.010	12.204				07-01-02-404-001	
0003B			450 SQ. FT.						
0003TE-A			0.172			0.034	CONSTRUCTION		

GRID COORDINATES ARE SHOWN

COORDINATE TABLE ~ 95TH STREET

NO.	STATION	OFFSET	-NORTH-COORDINATES-EAST-	
683	293+30.00	50.00 RT.	N. 1,837,051.7013	E. 1,028,983.5572
684	293+30.00	65.00 RT.	N. 1,837,036.7094	E. 1,028,984.0484
702	294+05.00	50.00 RT.	N. 1,837,054.1575	E. 1,029,058.5170
703	294+05.00	60.00 RT.	N. 1,837,044.1628	E. 1,029,058.8445
706	294+40.00	50.00 LT.	N. 1,837,155.2500	E. 1,029,090.2234
707	294+40.00	55.00 LT.	N. 1,837,160.2473	E. 1,029,090.0596
704	294+95.00	60.00 RT.	N. 1,837,047.1102	E. 1,029,148.7982
705	294+95.00	50.00 RT.	N. 1,837,057.1048	E. 1,029,148.4687
708	295+30.00	55.00 LT.	N. 1,837,163.1947	E. 1,029,180.0113
709	295+30.00	50.00 LT.	N. 1,837,158.1974	E. 1,029,180.1751
691	295+55.00	65.00 RT.	N. 1,837,044.0778	E. 1,029,208.9278
701	295+55.00	60.00 RT.	N. 1,837,049.0751	E. 1,029,208.7640
717	296+09.75	60.00 RT.	N. 1,837,050.8681	E. 1,029,263.4848
710	297+40.00	50.00 LT.	N. 1,837,165.0746	E. 1,029,390.0624
711	297+40.00	80.00 LT.	N. 1,837,195.0585	E. 1,029,389.0800
712	297+90.00	80.00 LT.	N. 1,837,196.6959	E. 1,029,439.0532
713	297+90.00	50.00 LT.	N. 1,837,166.7120	E. 1,029,440.0356



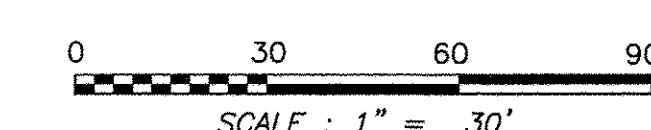
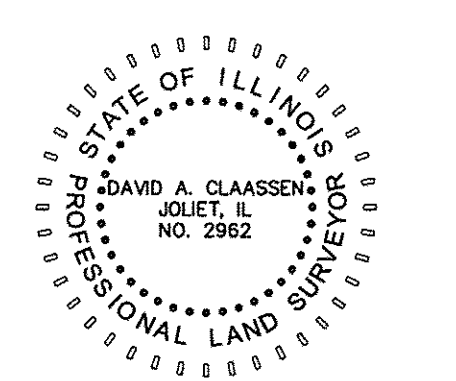
- IRON PIPE OR ROD FOUND ○ SET 5/8" x 30" REBAR
- + CUT CROSS FOUND OR SET ● PK FOUND PK NAIL ○ PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- ⊙ PERMANENT SURVEY MARKER, IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
 COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 11 & SECTION 2, TOWNSHIP 37 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS ____ DAY OF _____, 2011 A.D.

DAVID A. CLAASSEN VICE PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
 LICENSE EXPIRES NOVEMBER 30, 2012
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



NOTE: BEARINGS, DISTANCES AND COORDINATES SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83 (2007).

Classten, White & Associates, P.C.
 121 AIRPORT DRIVE, UNIT 1
 JOLIET, ILLINOIS 60431
 (815) 744-3720

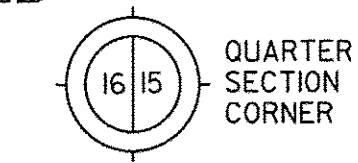
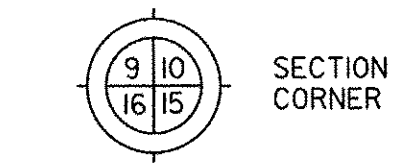
SHEET 1 IS A COVER SHEET AND NOT RECORDED.

**PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 CH 89 (95TH STREET) EXTENSION
 PLAINFIELD-NAPERVILLE RD. TO BOUGHTON RD.**

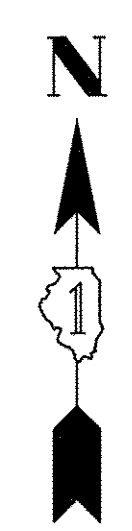
SECTION 01-00181-00-FP WILL COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION 292+50 TO STATION 298+50
 SCALE: 1" = 30' SHEET 2 OF 27

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096

PRINTING DATE: August 15, 2011 ~ JLS \Microstation\Sheet 2.dgn



- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING



BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, N.A.D. 83 (2007)

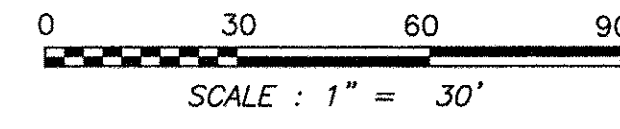
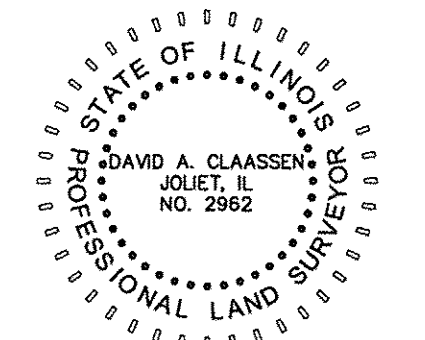
- IRON PIPE OR ROD FOUND ○ SET 5/8" x 30" REBAR
- + CUT CROSS FOUND OR SET ● PK FOUND PK NAIL ○ PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- T3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- ⊙ PERMANENT SURVEY MARKER. IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
) SS
 COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 11, TOWNSHIP 37 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS ____ DAY OF _____, 2011 A.D.

 VICE PRESIDENT
 DAVID A. CLAASSEN
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
 LICENSE EXPIRES NOVEMBER 30, 2012
 THIS PROFESSIONAL SERVICE CONFORMS TO THE
 CURRENT ILLINOIS MINIMUM STANDARDS FOR A
 BOUNDARY SURVEY.



NOTE: BEARINGS, DISTANCES AND COORDINATES SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83 (2007).

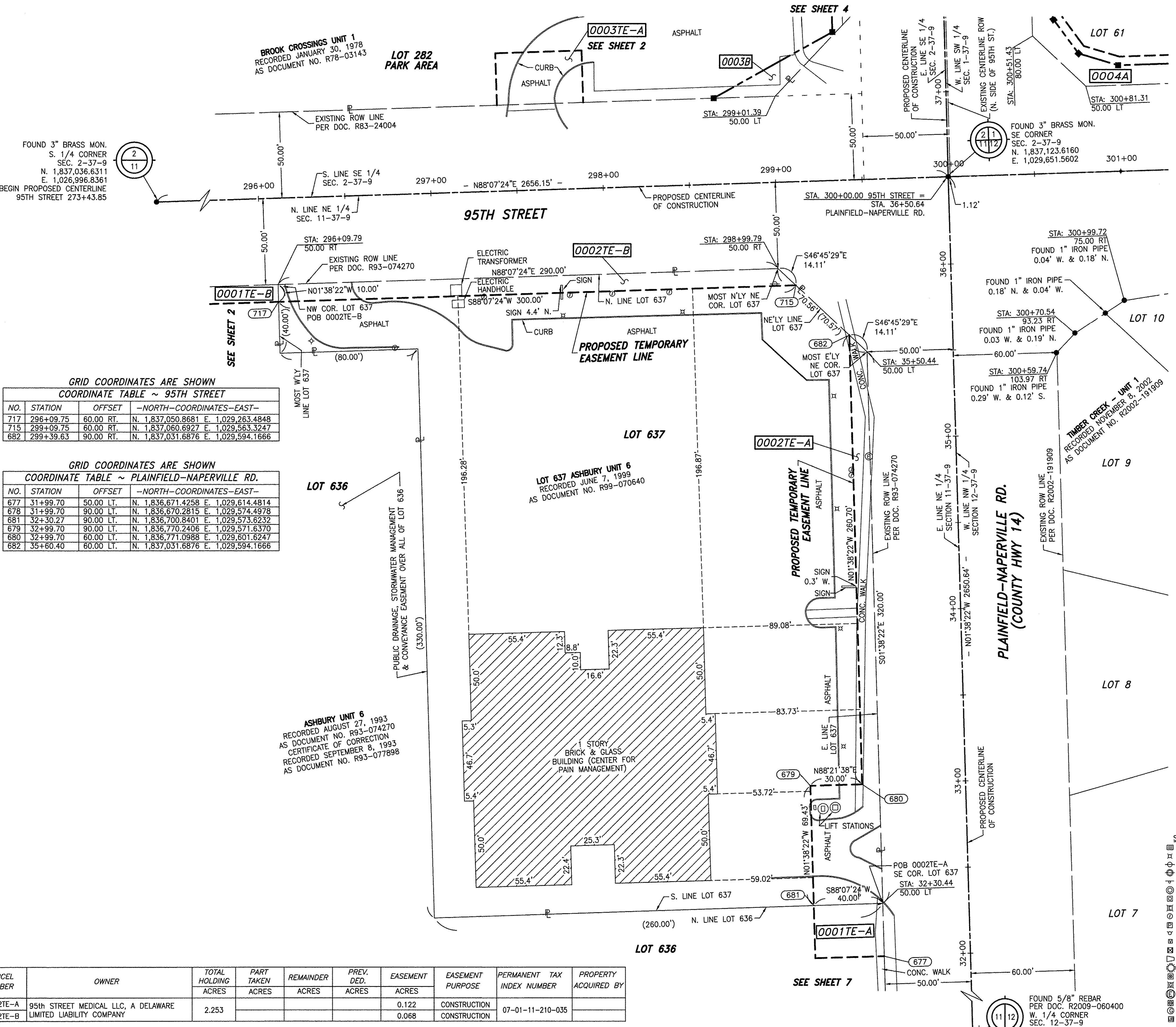
- SYMBOL LEGEND**
- INLET
 - LIGHT POLE
 - POWER POLE
 - HIGH TENSION POWER POLE
 - SIGN
 - MANHOLE
 - TRAFFIC SIGNAL HANDHOLE
 - ELECTRICAL OUTLET
 - IRRIGATION CONTROL VALVE
 - PHONE PEDESTAL
 - FIRE HYDRANT
 - VALVE BOX
 - VALVE VAULT
 - FLARED END SECTION
 - TRAFFIC SIGNAL
 - PHONE HANDHOLE
 - GAS VALVE
 - ELECTRIC VAULT
 - GAS HANDHOLE
 - GAS METER
 - IDOT JUNCTION BOX

Classsen, White & Associates, P.C.
 121 AIRPORT DRIVE, UNIT 1
 JOLIET, ILLINOIS 60431
 (815) 744-3720

SHEET 1 IS A COVER SHEET AND NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
CH 89 (95TH STREET) EXTENSION
PLAINFIELD-NAPERVILLE RD. TO BOUGHTON RD.
 SECTION 01-00181-00-FP WILL COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION 296+00 TO STATION 301+00
 SCALE: 1" = 30' SHEET 3 OF 27

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096



GRID COORDINATES ARE SHOWN
 COORDINATE TABLE ~ 95TH STREET

NO.	STATION	OFFSET	-NORTH-COORDINATES-EAST-
717	296+09.75	60.00 RT.	N. 1,837,050.8681 E. 1,029,263.4848
715	299+09.75	60.00 RT.	N. 1,837,060.6927 E. 1,029,563.3247
682	299+39.63	90.00 RT.	N. 1,837,031.6876 E. 1,029,594.1666

GRID COORDINATES ARE SHOWN
 COORDINATE TABLE ~ PLAINFIELD-NAPERVILLE RD.

NO.	STATION	OFFSET	-NORTH-COORDINATES-EAST-
677	31+99.70	50.00 LT.	N. 1,836,671.4258 E. 1,029,614.4814
678	31+99.70	90.00 LT.	N. 1,836,670.2815 E. 1,029,574.4978
681	32+30.27	90.00 LT.	N. 1,836,700.8401 E. 1,029,573.6232
679	32+99.70	90.00 LT.	N. 1,836,770.2406 E. 1,029,571.6370
680	32+99.70	60.00 LT.	N. 1,836,771.0988 E. 1,029,601.6247
682	35+60.40	60.00 LT.	N. 1,837,031.6876 E. 1,029,594.1666

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
0002TE-A	95th STREET MEDICAL LLC, A DELAWARE LIMITED LIABILITY COMPANY	2.253				0.122	CONSTRUCTION	07-01-11-210-035	
0002TE-B						0.068	CONSTRUCTION		

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
0003A	NAPERVILLE PARK DISTRICT, DuPAGE AND WILL COUNTIES, ILLINOIS, A MUNICIPAL CORPORATION	12.386	0.034	12.204				07-01-02-404-001	
0003B			0.172						
0003TE-A			0.034						
0004A	CHICAGO TITLE AND TRUST COMPANY, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 27TH DAY OF JUNE, 1972, KNOWN AS TRUST NUMBER 8-10-60150	4.616	0.115	4.498			CONSTRUCTION	07-01-01-313-001	
0004B			0.003						
0004C			0.003						
0004TE			0.189						

NOTE: PARCEL 0003TE-B DELETED 8-18-2011

GRID COORDINATES ARE SHOWN
COORDINATE TABLE ~ 95th STREET

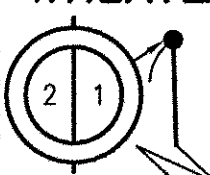
NO.	STATION	OFFSET	-NORTH-COORDINATES-EAST-	
710	297+40.00	50.00 LT.	N. 1,837,165.0746	E. 1,029,390.0624
711	297+40.00	80.00 LT.	N. 1,837,195.0585	E. 1,029,389.0800
712	297+90.00	80.00 LT.	N. 1,837,196.6959	E. 1,029,439.0532
713	297+90.00	50.00 LT.	N. 1,837,166.7120	E. 1,029,440.0356
714	298+65.71	50.00 LT.	N. 1,837,169.1914	E. 1,029,515.7050
716	299+35.55	86.04 LT.	N. 1,837,207.4992	E. 1,029,584.3265
645	300+63.89	89.11 LT.	N. 1,837,214.6701	E. 1,029,712.6479
649	300+66.48	94.16 LT.	N. 1,837,219.7979	E. 1,029,715.0819
644	300+77.74	69.01 LT.	N. 1,837,195.0155	E. 1,029,727.1156
648	300+80.91	73.23 LT.	N. 1,837,199.3313	E. 1,029,730.1473
643	301+00.44	61.50 LT.	N. 1,837,188.2124	E. 1,029,750.0383
647	301+01.25	66.50 LT.	N. 1,837,193.2351	E. 1,029,750.6883
NAPERVILLE-PLAINFIELD ROAD				
714	36+99.78	134.61 LT.	N. 1,837,169.1914	E. 1,029,515.7050
716	37+36.27	65.00 LT.	N. 1,837,207.4992	E. 1,029,584.3265
645	37+40.06	63.47 LT.	N. 1,837,214.6701	E. 1,029,712.6479
649	37+45.12	66.03 LT.	N. 1,837,219.7979	E. 1,029,715.0819
646	38+00.00	50.98 RT.	N. 1,837,274.2633	E. 1,029,698.5910
662	40+46.88	65.00 LT.	N. 1,837,518.0013	E. 1,029,576.1419

BROOK CROSSINGS UNIT 1
RECORDED JANUARY 30, 1978
AS DOCUMENT NO. R78-03143

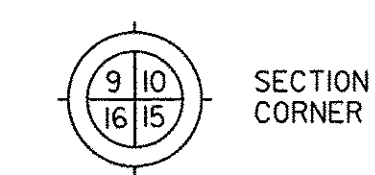
LOT 282
PARK AREA

TOTAL HOLDING
ON SHEET 6

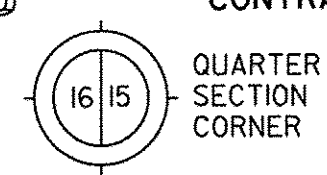
FOUND 3" BRASS DISC
E. 1/4 CORNER
SEC. 2-37-9
N. 1,839,770.2008
E. 1,029,581.7979



SEE SHEET 5



LEGEND



CONTRACT NO. 61A30

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

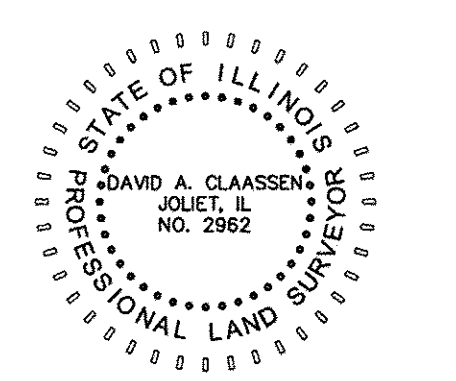
- IRON PIPE OR ROD FOUND
- SET 5/8" x 30" REBAR
- + CUT CROSS FOUND OR SET
- PK FOUND PK NAIL
- PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- T3 BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER. IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 084-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1 & 2, TOWNSHIP 37 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS _____ DAY OF _____, 2011 A.D.

DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE
CURRENT ILLINOIS MINIMUM STANDARDS FOR A
BOUNDARY SURVEY.



0 30 60 90
SCALE: 1" = 30'

NOTE: BEARINGS, DISTANCES AND COORDINATES SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83 (2007).

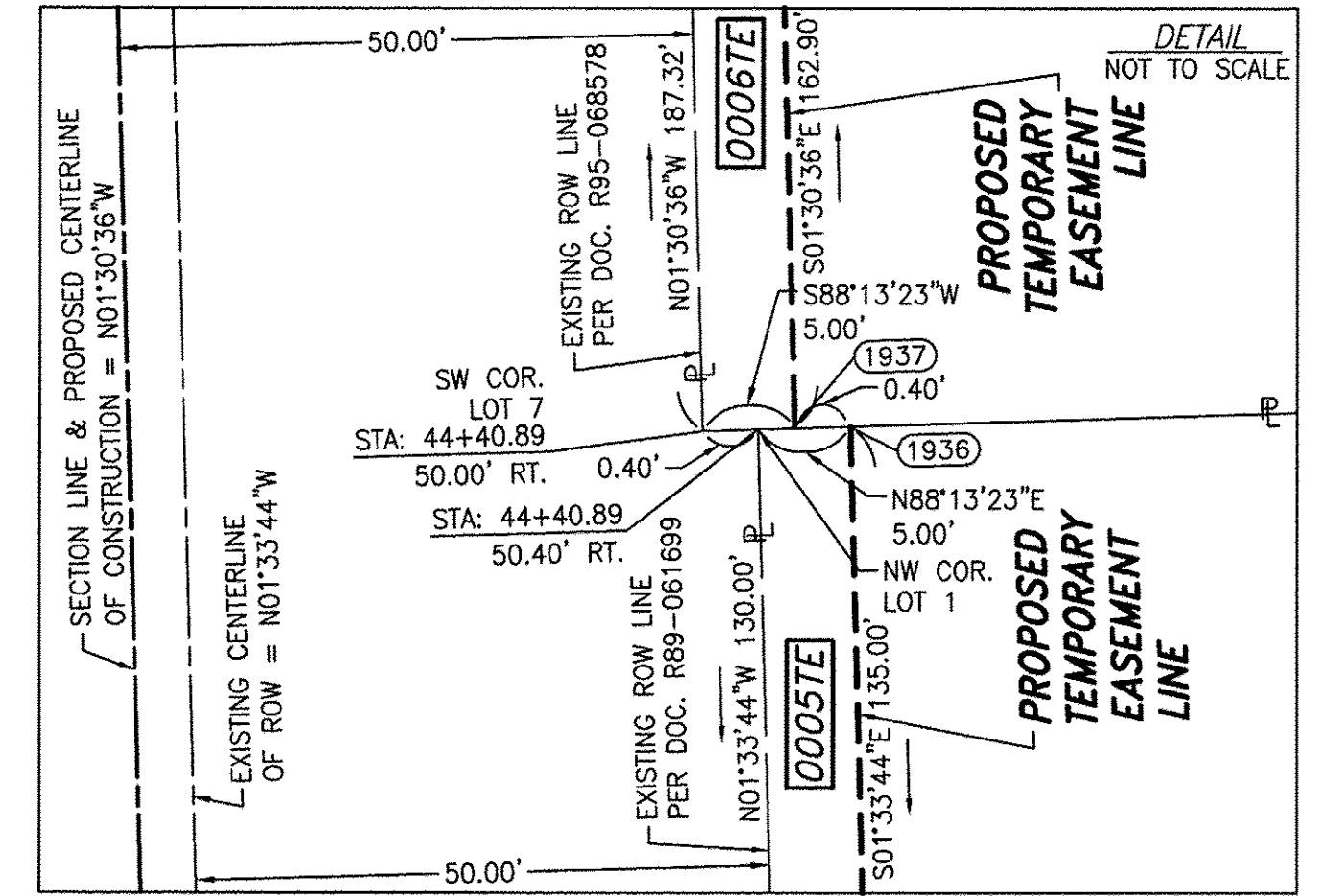
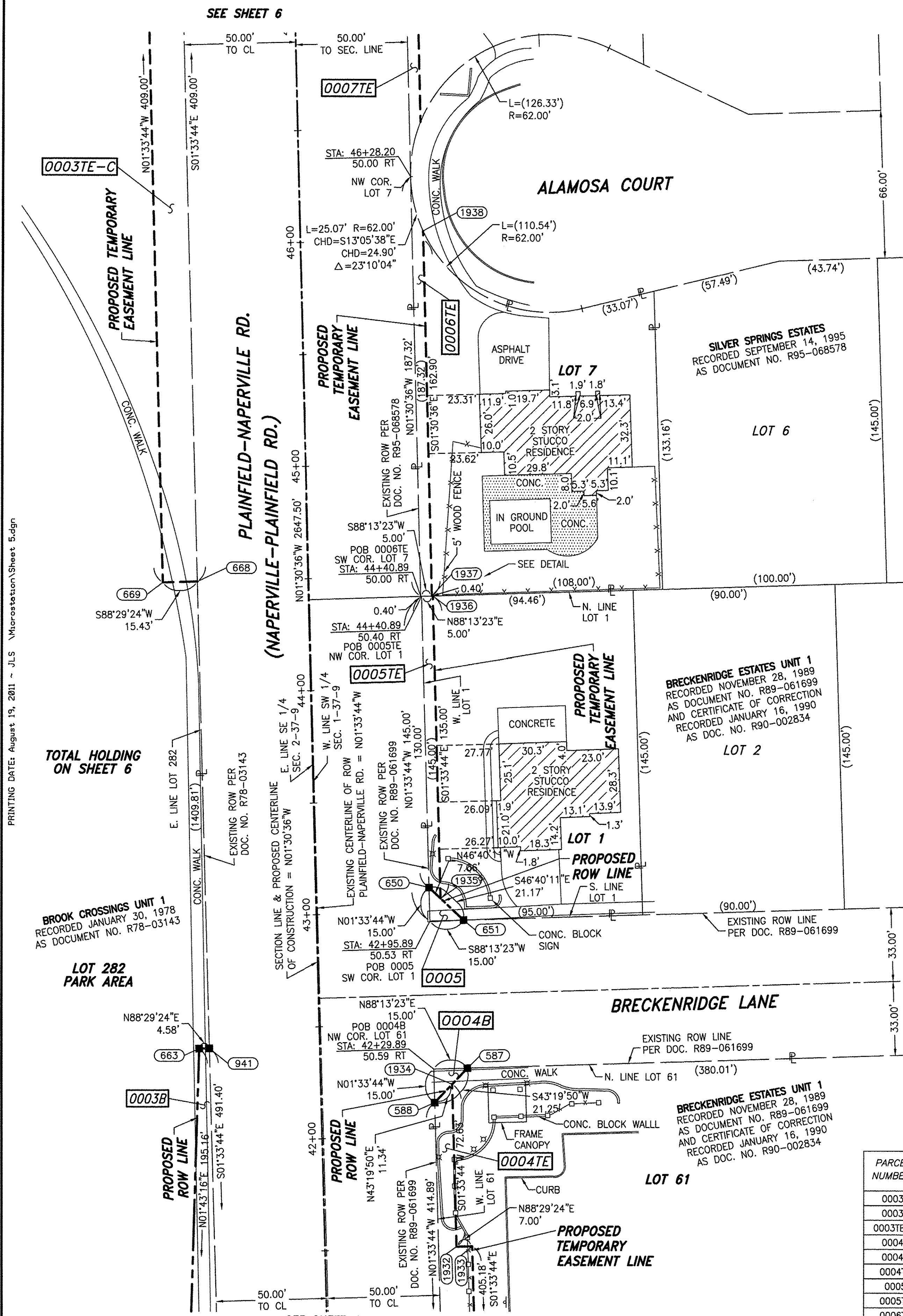
Classen, White & Associates, P.C.
121 AIRPORT DRIVE, UNIT 1
JOLIET, ILLINOIS 60431
(815) 744-3720

SHEET 1 IS A COVER SHEET AND NOT RECORDED.
**PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
CH 89 (95TH STREET) EXTENSION
PLAINFIELD-NAPERVILLE RD. TO BOUGHTON RD.**
SECTION 01-00181-00-FP WILL COUNTY
PROJECT JOB NO. R-55-001-97
STATION 297+00 TO STATION 302+50
SCALE: 1" = 30' SHEET 4 OF 27

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

PRINTING DATE: August 18, 2011 - JLS \Microstation\Sheet 4 R2.dgn

JOB #502



GRID COORDINATES ARE SHOWN
COORDINATE TABLE - PLAINFIELD-NAPERVILLE RD.

NO.	STATION	OFFSET	-NORTH-COORDINATES-EAST-	
1932	41+50.30	58.67 RT.	N. 1,837,624.6440	E. 1,029,697.0390
1933	41+50.30	65.67 RT.	N. 1,837,624.8285	E. 1,029,704.0366
588	42+14.89	50.61 RT.	N. 1,837,688.9970	E. 1,029,687.2811
1934	42+22.93	58.60 RT.	N. 1,837,697.2421	E. 1,029,695.0592
587	42+29.96	65.59 RT.	N. 1,837,704.4565	E. 1,029,701.8650
663	42+41.73	54.00 LT.	N. 1,837,713.0735	E. 1,029,582.0037
941	42+41.73	49.42 LT.	N. 1,837,713.1943	E. 1,029,586.5840
651	42+49.96	65.53 RT.	N. 1,837,770.4325	E. 1,029,700.0659
1935	43+05.91	55.52 RT.	N. 1,837,780.1187	E. 1,029,689.7980
650	43+10.89	50.52 RT.	N. 1,837,784.9618	E. 1,029,684.6641
1936	44+40.91	55.40 RT.	N. 1,837,915.0695	E. 1,029,686.1179
1937	44+40.91	55.00 RT.	N. 1,837,915.0571	E. 1,029,685.7174
654	44+41.01	75.40 RT.	N. 1,837,915.6897	E. 1,029,706.1084
668	44+50.00	49.61 LT.	N. 1,837,921.3870	E. 1,029,580.9066
669	44+50.00	65.04 LT.	N. 1,837,920.9804	E. 1,029,565.4819
1938	46+03.81	55.00 RT.	N. 1,838,077.9007	E. 1,029,681.4150

- SYMBOL LEGEND
- INLET
 - LIGHT POLE
 - POWER POLE
 - HIGH TENSION POWER POLE
 - MANHOLE
 - TRAFFIC SIGNAL HANDHOLE
 - ELECTRICAL OUTLET
 - IRRIGATION CONTROL VALVE
 - PHONE PEDESTAL
 - FIRE HYDRANT
 - VALVE BOX
 - VALVE VAULT
 - FLARED END SECTION
 - TRAFFIC SIGNAL
 - PHONE HANDHOLE
 - GAS VALVE
 - ELECTRIC VAULT
 - GAS HANDHOLE
 - IDOT JUNCTION BOX

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER SECTION LINE
 - PLATTED LOT LINE
 - PROPERTY (DEED) LINE
 - APL
 - APPARENT PROPERTY LINE
 - EXISTING CENTERLINE
 - PROPOSED CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORD DATA
 - EXISTING BUILDING
- BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, N.A.D. 83 (2007)

- IRON PIPE OR ROD FOUND
- SET 5/8" x 30" REBAR
- + CUT CROSS FOUND OR SET
- PK FOUND PK NAIL
- PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- T3 BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.
- BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

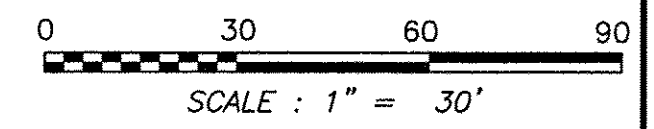
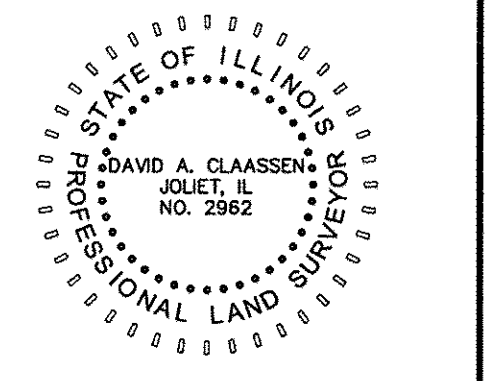
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER. IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1 & 2, TOWNSHIP 37 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS ____ DAY OF _____, 2011 A.D.

VICE PRESIDENT
DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



NOTE: BEARINGS, DISTANCES AND COORDINATES SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83 (2007).

Claassen, White & Associates, P.C.
121 AIRPORT DRIVE, UNIT 1
JOLIET, ILLINOIS 60431
(815) 744-3720

SHEET 1 IS A COVER SHEET AND NOT RECORDED.

**PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
CH 89 (95TH STREET) EXTENSION
PLAINFIELD-NAPERVILLE RD. TO BOUGHTON RD.**
SECTION 01-00181-00-FP WILL COUNTY
PROJECT JOB NO. R-55-001-97
STATION 41+50 TO STATION 46+50
SCALE: 1" = 30' SHEET 5 OF 27

**BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096**

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
0003A	NAPERVILLE PARK DISTRICT, DuPAGE AND WILL COUNTIES, ILLINOIS, A MUNICIPAL CORPORATION	12.386	0.010	12.204				07-01-02-404-001	
0003B			450 SQ.FEET						
0003TE-C			0.172						
0004A	CHICAGO TITLE AND TRUST COMPANY, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 27TH DAY OF JUNE, 1972, KNOWN AS TRUST NUMBER 8-10-60150	4.616	0.003	4.498				07-01-01-313-001	
0004B			112 SQ.FEET						
0004TE			0.115						
0005	SHELDON D. FREENEY AND VICTOR G. TROTTER, AS JOINT TENANTS	0.315	112 SQ.FEET	0.312				07-01-01-302-001	
0005TE									
0006TE	DARREN PATTI AND MELISSA PATTI, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	0.332				0.020	CONSTRUCTION	07-01-01-302-012	

PART OF THE SW 1/4 SECTION 1 & THE SE 1/4 SECTION 2, ALL IN T37N, R9E OF THE 3rd PM, WHEATLAND TOWNSHIP, WILL COUNTY, ILLINOIS.

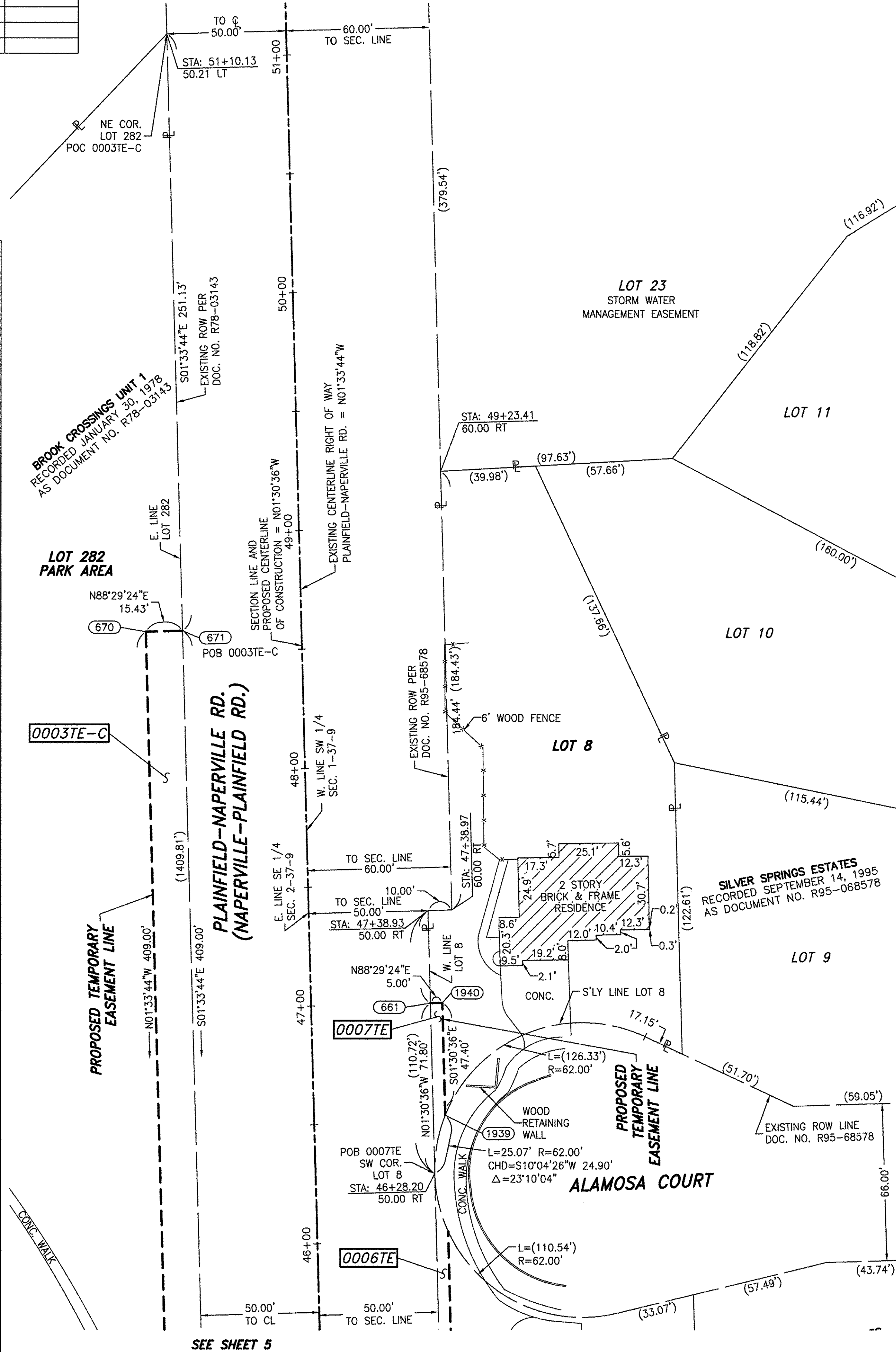
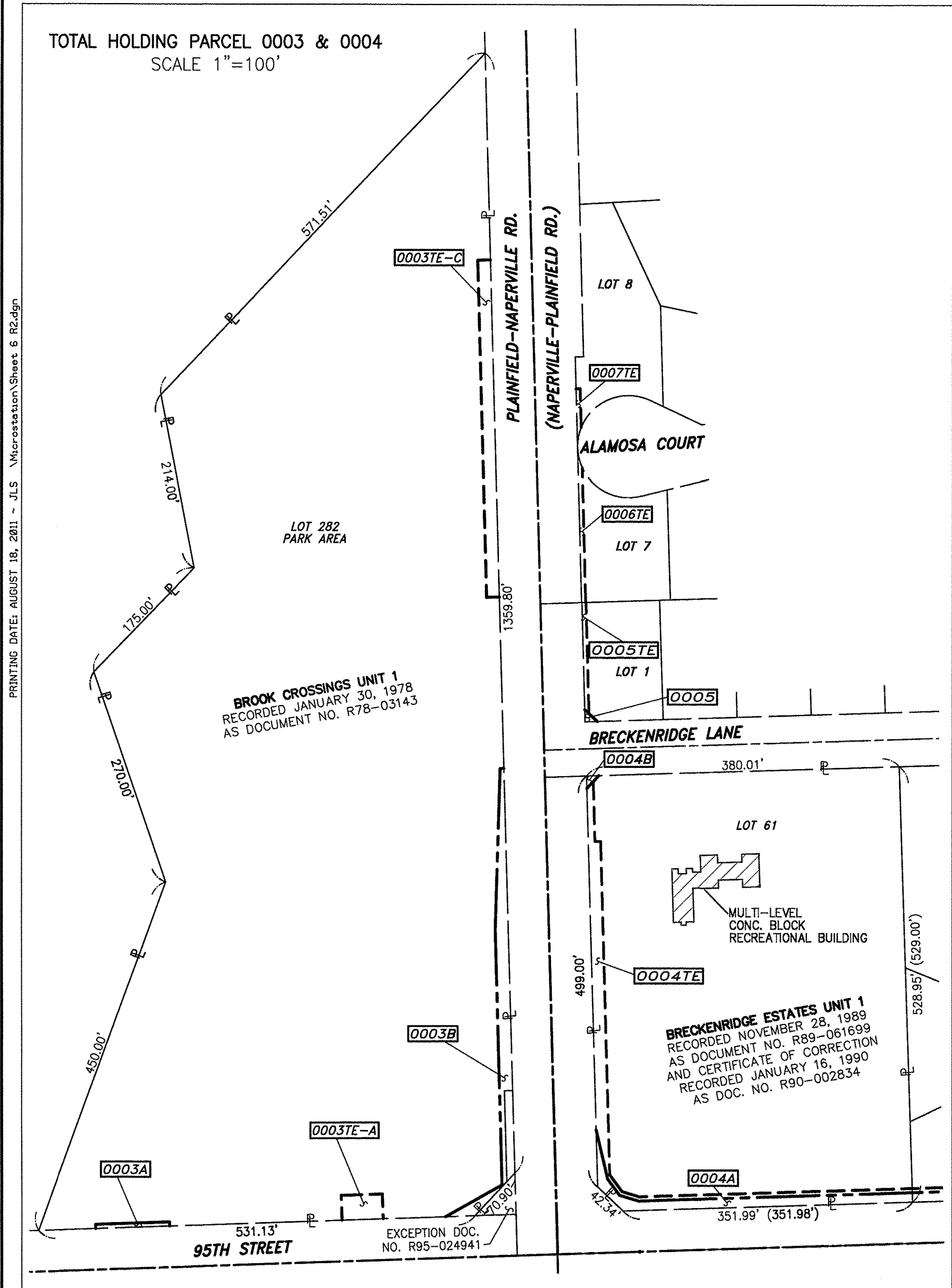
LEGEND CONTRACT NO. 61A30

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
0003TE-C	NAPERVILLE PARK DISTRICT, DuPAGE AND WILL COUNTIES, ILLINOIS, A MUNICIPAL CORPORATION	12.386				0.145	CONSTRUCTION	07-01-02-404-001	
0007TE	GREGG L. ANTENEN AND KIMBERLY R. ANTENEN, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	0.467				0.006 277 SQ.FT.	CONSTRUCTION	07-01-01-303-008	

NOTE: PARCEL 0003TE-B DELETED 8-18-2011

GRID COORDINATES ARE SHOWN
COORDINATE TABLE - PLAINFIELD-NAPERVILLE RD.

NO.	STATION	OFFSET	-NORTH-COORDINATES-EAST-
1939	46+52.60	55.00 RT.	N. 1,838,126.6695 E. 1,029,680.1395
1940	47+00.00	55.00 RT.	N. 1,838,174.0566 E. 1,029,678.8904
661	47+00.00	50.00 RT.	N. 1,838,173.9248 E. 1,029,673.8921
670	48+59.00	65.41 LT.	N. 1,838,329.8286 E. 1,029,554.3325
671	48+59.00	49.98 LT.	N. 1,838,330.2351 E. 1,029,569.7572



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, N.A.D. 83 (2007)

- IRON PIPE OR ROD FOUND ○ SET 5/8" x 30" REBAR
- + CUT CROSS FOUND OR SET ● PK FOUND PK NAIL ○PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- T3 BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- ⊙ PERMANENT SURVEY MARKER, IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS)
COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1 & 2, TOWNSHIP 37 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS ____ DAY OF _____, 2011 A.D.

DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DAVID A. CLAASSEN
JOLIET, IL
NO. 2962

SCALE: 1" = 30'

NOTE: BEARINGS, DISTANCES AND COORDINATES SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83 (2007).

Classten, White & Associates, P.C.
121 AIRPORT DRIVE, UNIT 1
JOLIET, ILLINOIS 60431
(815) 744-3720

SHEET 1 IS A COVER SHEET AND NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
CH 89 (95TH STREET) EXTENSION
PLAINFIELD-NAPERVILLE RD. TO BOUGHTON RD.

SECTION 01-00181-00-FP WILL COUNTY
PROJECT JOB NO. R-55-001-97
STATION 46+50 TO STATION 51+00
SCALE: 1" = 30' SHEET 6 OF 27

GRID COORDINATES ARE SHOWN
COORDINATE TABLE ~ 95TH STREET

NO.	STATION	OFFSET	-NORTH-COORDINATES-EAST-	
599	304+33.31	66.50 LT.	N. 1,837,203.5706	E. 1,030,082.5892
642	304+33.31	61.50 LT.	N. 1,837,198.5730	E. 1,030,082.7443
595	305+00.00	61.50 LT.	N. 1,837,200.6488	E. 1,030,149.4040
596	305+00.00	66.50 LT.	N. 1,837,205.6463	E. 1,030,149.2483
597	305+84.86	61.50 LT.	N. 1,837,203.2900	E. 1,030,234.2233
592	305+89.56	61.50 LT.	N. 1,837,203.4363	E. 1,030,238.9206
593	306+30.06	59.76 LT.	N. 1,837,202.9577	E. 1,030,279.4551
598	307+06.31	53.67 LT.	N. 1,837,199.2446	E. 1,030,355.8543
594	307+52.27	50.00 LT.	N. 1,837,197.0062	E. 1,030,401.9097

SYMBOL LEGEND

INLET
LIGHT POLE
POWER POLE
HIGH TENSION POWER POLE
SIGN
MANHOLE
TRAFFIC SIGNAL HANDHOLE
ELECTRICAL OUTLET
IRRIGATION CONTROL VALVE
PHONE PEDESTAL
FIRE HYDRANT
VALVE BOX
VALVE VAULT
FLARED END SECTION
TRAFFIC SIGNAL
PHONE HANDHOLE
GAS VALVE
ELECTRIC VAULT
GAS HANDHOLE
GAS METER
IDOT JUNCTION BOX
BROADBAND COMMUNICATIONS

CURVE DATA
PROPOSED CENTERLINE CONSTRUCTION
CURVE NO. 1

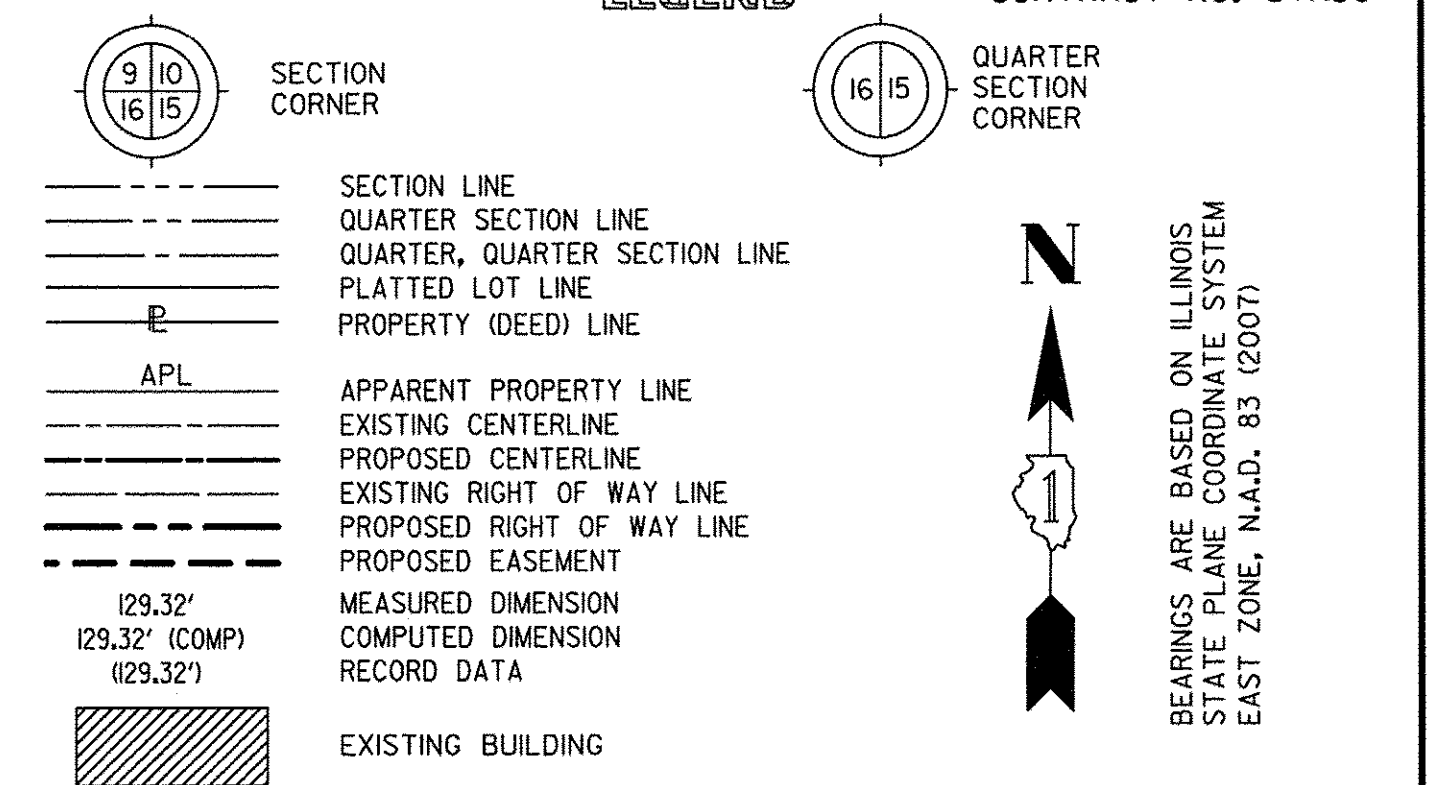
$\Delta = 50^\circ 40' 48''$
 $D = 02^\circ 32' 47''$
 $R = 2250.00'$
 $L = 1930.19'$
 $T = 1065.49'$
 $E = 239.53'$

(388) PC STA. 307+80.74
N. 1,837,147.9166 E. 1,030,431.9235

(936) PI STA. 318+46.23
N. 1,837,181.0801 E. 1,031,496.8969

(391) PT STA. 327+70.94
N. 1,836,378.2119 E. 1,032,197.3759

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
0004A	CHICAGO TITLE AND TRUST COMPANY, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 27TH DAY OF JUNE, 1972, KNOWN AS TRUST NUMBER 8-10-60150	4.616	0.115	4.498				07-01-01-313-001	
0004B			0.003/112 S.F.			0.265	CONSTRUCTION		
0004TE									
0025	MARK V. PAPA AND CHRISTINA R. PAPA, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	0.524	0.039	0.485		0.008/333 S.F.	CONSTRUCTION	07-01-01-313-017	
0025TE									
0026	FENG GAO AND YUZHEN FAN, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	0.319	0.023	0.296				07-01-01-313-018	
0027	MATHEW T. KURISUMMOOTIL AND MARIA M. KURISUMMOOTIL, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	0.352	0.002/84 S.F.	0.350				07-01-01-313-019	



- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BT2 SET 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER. IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

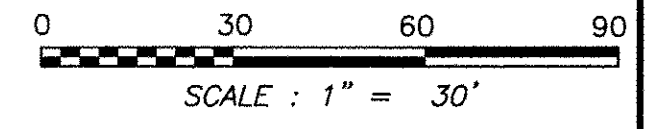
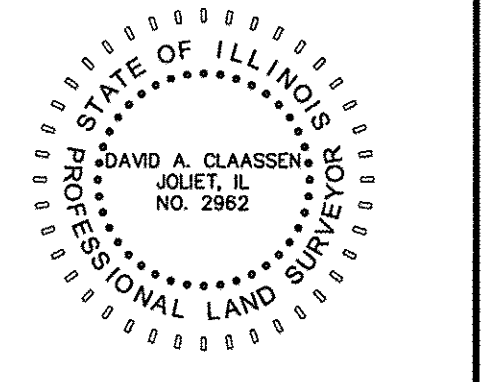
STATE OF ILLINOIS)
COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER I84-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 11, TOWNSHIP 37 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS ____ DAY OF _____, 2011 A.D.

VICE PRESIDENT

DAVID A. CLAASSEN
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962
LICENSE EXPIRES NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



NOTE: BEARINGS, DISTANCES AND COORDINATES SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83 (2007).

Clasassen, White & Associates, P.C.
121 AIRPORT DRIVE, UNIT 1
JOLIET, ILLINOIS 60431
(815) 744-3720

SHEET 1 IS A COVER SHEET AND NOT RECORDED.

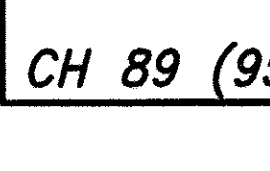
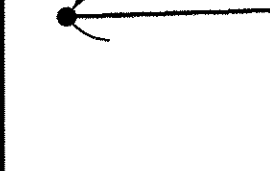
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
CH 89 (95TH STREET) EXTENSION
PLAINFIELD-NAPERVILLE RD. TO BOUGHTON RD.

SECTION 01-00181-00-FP WILL COUNTY
PROJECT JOB NO. R-55-001-97
STATION 302+50 TO STATION 309+00
SCALE: 1" = 30' SHEET 8 OF 27

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

PRINTING DATE: August 19, 2011 - JLS Microstation/Sheet B.dgn

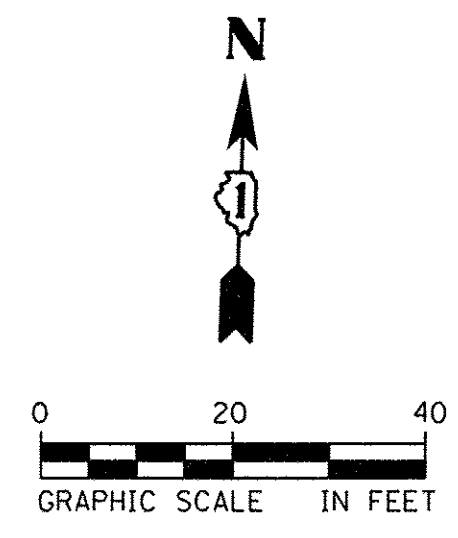
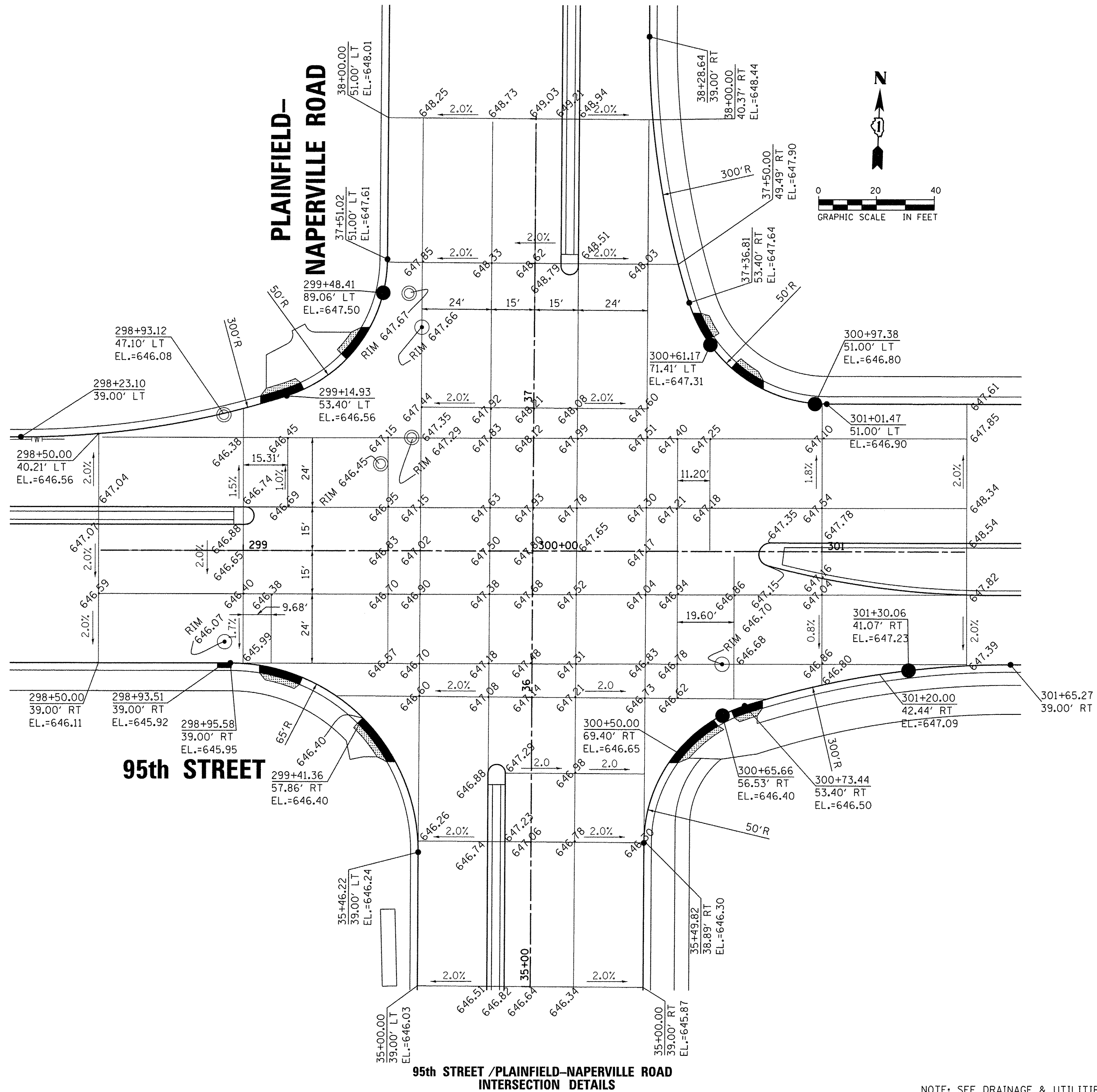
FOUND 3" BRASS MON. SE CORNER SEC. 2-37-9 N. 1,837,123.6160 E. 1,029,651.5602



CH 89 (95TH STREET) EXTENSION, SECTION 01-00181-00-FP, JOB. NO. R-55-001-97

REVISION DATE: REVISION: MADE BY

FILE NAME = p:\V\CD\DL_25367281_95th\Drawings\Contract-North\Roadway\Intersection\Details\Intersection-Details.dgn



95th STREET

PLAINFIELD-NAPERVILLE ROAD

95th STREET /PLAINFIELD-NAPERVILLE ROAD INTERSECTION DETAILS

NOTE: SEE DRAINAGE & UTILITIES DRAWINGS FOR SPOT ELEVATIONS ALONG RADIUS RETURNS OF RESIDENTIAL INTERSECTIONS.



USER NAME = james.push	DESIGNED - JRP	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - MRF	REVISED -
PLOT DATE = 1/21/2016	CHECKED - JRP	REVISED -
	DATE - 01/20/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

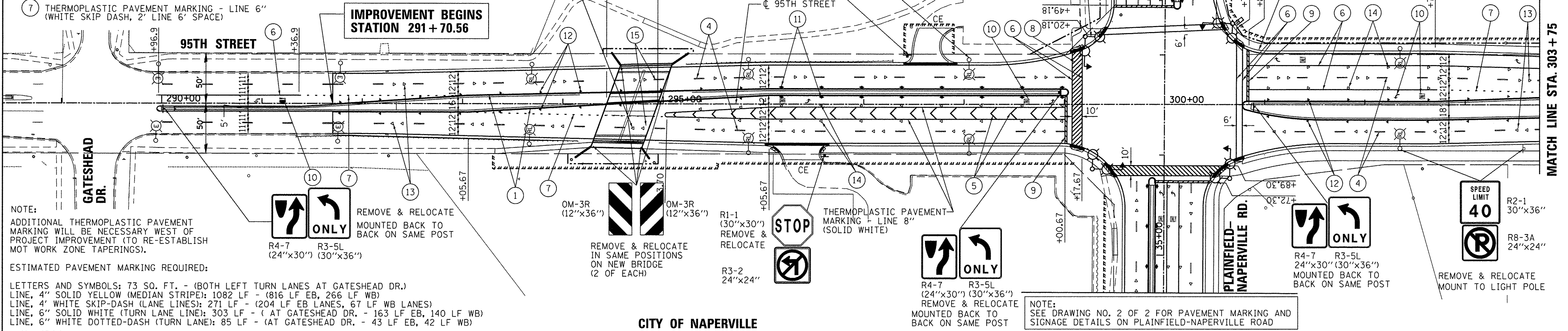
95th STREET /PLAINFIELD-NAPERVILLE ROAD INTERSECTION DETAILS			
SCALE:	DRAWING NO.	OF	STA.
			TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	62
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SKIP DASH, 10' LINE 30' SPACE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS @ 20' C-C)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SKIP DASH, 2' LINE 6' SPACE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS @ 3' C-C)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE STOP BAR)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑪ RAISED REFLECTIVE PAVEMENT MARKER * (AMBER 2-WAY @ 40' C-C)
- ⑫ RAISED REFLECTIVE PAVEMENT MARKER * (AMBER 1-WAY @ 40' C-C)
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER * (CRYSTAL 1-WAY 2 EACH @ 80' C-C)

- ⑭ RAISED REFLECTIVE PAVEMENT MARKER * (CRYSTAL 1-WAY @ 40' C-C)
- ⑮ POLYUREA PAVEMENT MARKING - LINE 4" (WHITE SKIP DASH, 10' LINE 30' SPACE)

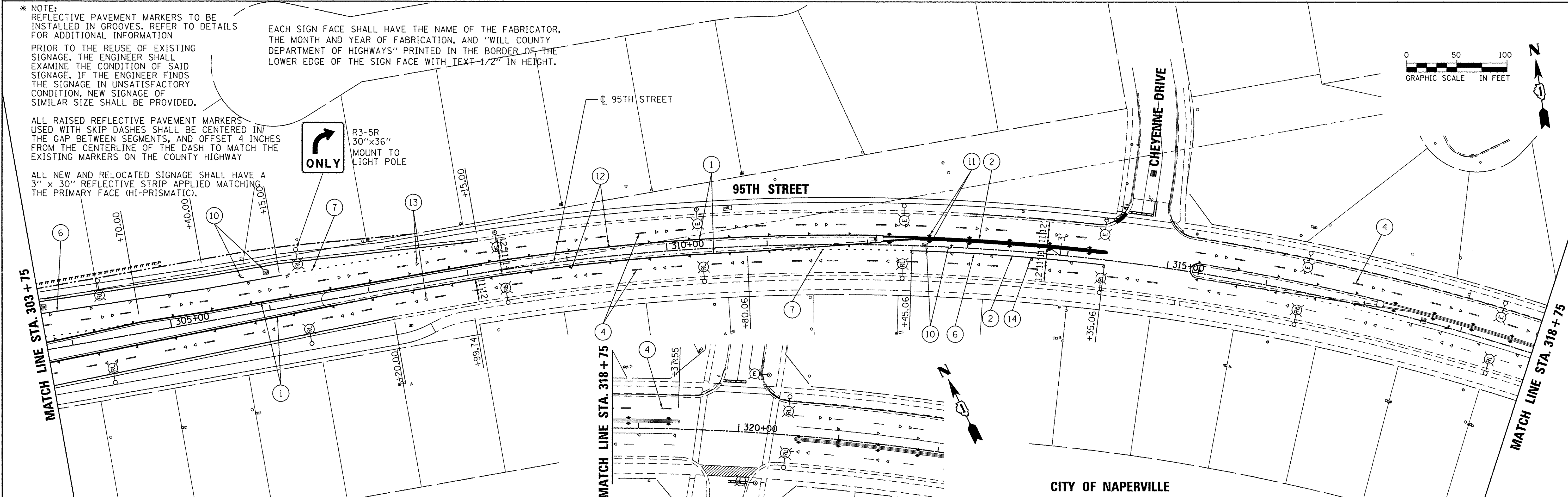
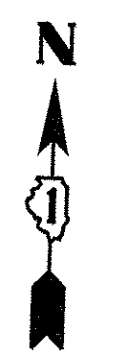
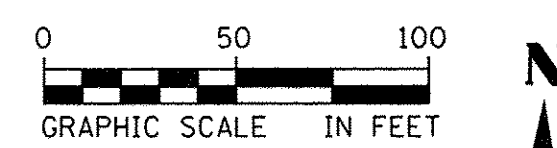


NOTE:
ADDITIONAL THERMOPLASTIC PAVEMENT MARKING WILL BE NECESSARY WEST OF PROJECT IMPROVEMENT (TO RE-ESTABLISH MOT WORK ZONE TAPERINGS).

ESTIMATED PAVEMENT MARKING REQUIRED:

LETTERS AND SYMBOLS: 73 SQ. FT. - (BOTH LEFT TURN LANES AT GATESHEAD DR.)
 LINE, 4" SOLID YELLOW (MEDIAN STRIPE): 1082 LF - (816 LF EB, 266 LF WB)
 LINE, 4" WHITE SKIP-DASH (LANE LINES): 271 LF - (204 LF EB LANES, 67 LF WB LANES)
 LINE, 6" SOLID WHITE (TURN LANE LINE): 303 LF - (AT GATESHEAD DR. - 163 LF EB, 140 LF WB)
 LINE, 6" WHITE DOTTED-DASH (TURN LANE): 85 LF - (AT GATESHEAD DR. - 43 LF EB, 42 LF WB)

NOTE:
REMOVE ALL EXISTING SIGNS FROM TRAFFIC SIGNAL MAST ARMS, SIGNAL POLES, AND SIGNAL POSTS (TYP.) SEE SIGN SCHEDULE FOR SIGN IDENTIFICATION.

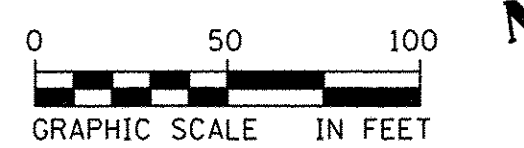


* NOTE:
REFLECTIVE PAVEMENT MARKERS TO BE INSTALLED IN GROOVES. REFER TO DETAILS FOR ADDITIONAL INFORMATION
 PRIOR TO THE REUSE OF EXISTING SIGNAGE, THE ENGINEER SHALL EXAMINE THE CONDITION OF SAID SIGNAGE. IF THE ENGINEER FINDS THE SIGNAGE IN UNSATISFACTORY CONDITION, NEW SIGNAGE OF SIMILAR SIZE SHALL BE PROVIDED.

ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4 INCHES FROM THE CENTERLINE OF THE DASH TO MATCH THE EXISTING MARKERS ON THE COUNTY HIGHWAY

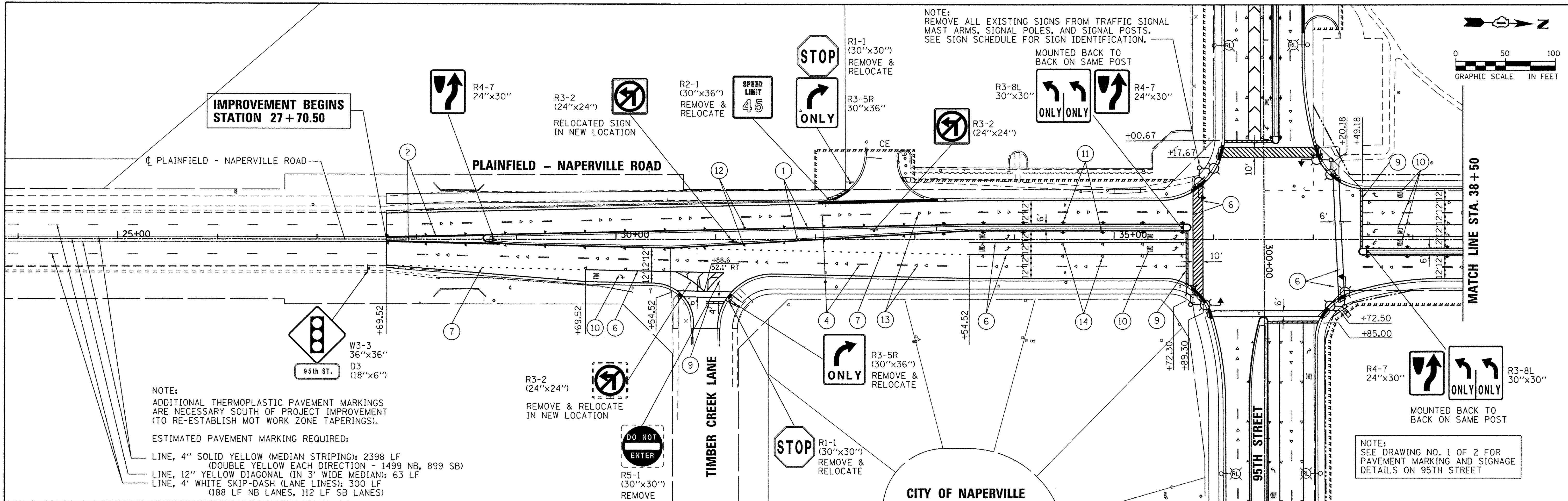
ALL NEW AND RELOCATED SIGNAGE SHALL HAVE A 3" x 30" REFLECTIVE STRIP APPLIED MATCHING THE PRIMARY FACE (HI-PRISMATIC).

EACH SIGN FACE SHALL HAVE THE NAME OF THE FABRICATOR, THE MONTH AND YEAR OF FABRICATION, AND "WILL COUNTY DEPARTMENT OF HIGHWAYS" PRINTED IN THE BORDER OF THE LOWER EDGE OF THE SIGN FACE WITH TEXT 1/2" IN HEIGHT.



AECOM	USER NAME = james_push	DESIGNED - JRP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	95TH STREET PAVEMENT MARKING & SIGNING PLAN	F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 63	
	PLOT SCALE = 50.0000' / 1"	CHECKED - JRP	REVISED -			SCALE: 1"=50'	DRAWING NO. 1 OF 2	STA. 291+70.56 TO STA. 318+75	CONTRACT NO. 61A30		ILLINOIS FED. AID PROJECT
	PLOT DATE = 1/21/2016	DATE - 01/20/2016	REVISED -								

FILE NAME = p:\MCD04L_25367381_95th\Drawings\Contract-North\Roadway\Plan\Marking\Sh+Pmk_001.dgn



NOTE:
ADDITIONAL THERMOPLASTIC PAVEMENT MARKINGS ARE NECESSARY SOUTH OF PROJECT IMPROVEMENT (TO RE-ESTABLISH MOT WORK ZONE TAPERINGS).

ESTIMATED PAVEMENT MARKING REQUIRED:
 LINE, 4" SOLID YELLOW (MEDIAN STRIPING): 2398 LF (DOUBLE YELLOW EACH DIRECTION - 1499 NB, 899 SB)
 LINE, 12" YELLOW DIAGONAL (IN 3' WIDE MEDIAN): 63 LF
 LINE, 4' WHITE SKIP-DASH (LANE LINES): 300 LF (188 LF NB LANES, 112 LF SB LANES)

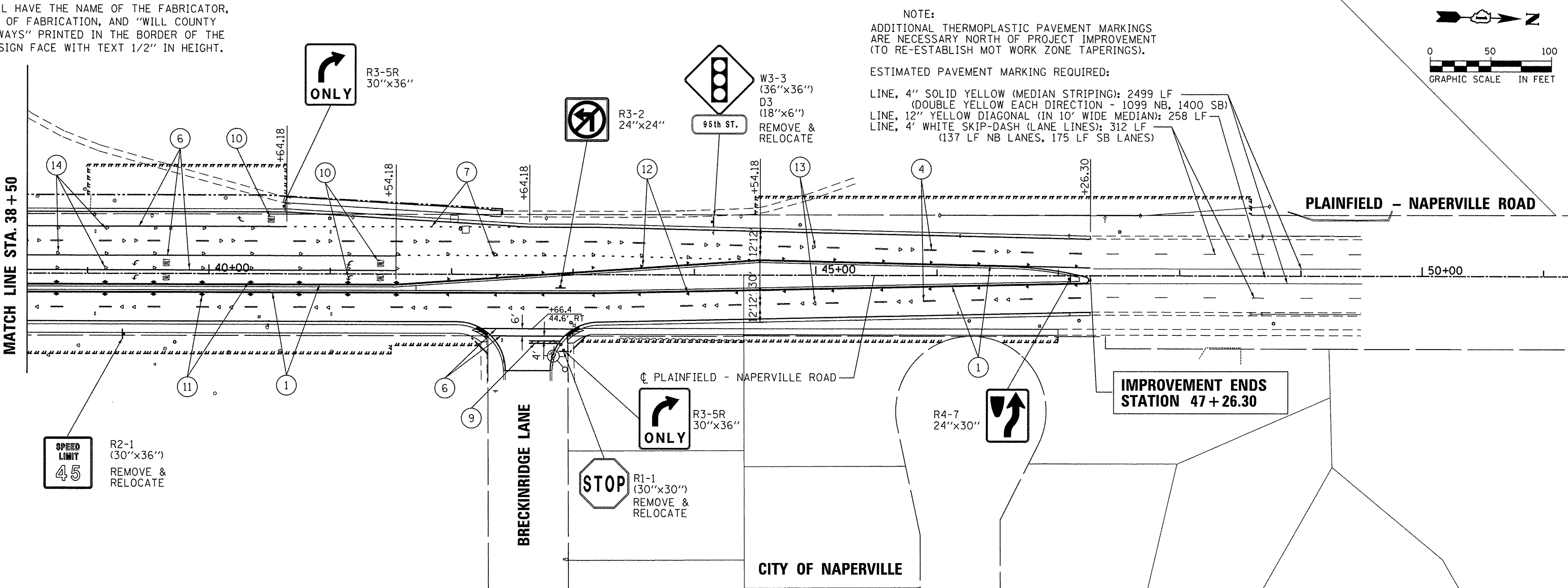
EACH SIGN FACE SHALL HAVE THE NAME OF THE FABRICATOR, THE MONTH AND YEAR OF FABRICATION, AND "WILL COUNTY DEPARTMENT OF HIGHWAYS" PRINTED IN THE BORDER OF THE LOWER EDGE OF THE SIGN FACE WITH TEXT 1/2" IN HEIGHT.

NOTE:
ADDITIONAL THERMOPLASTIC PAVEMENT MARKINGS ARE NECESSARY NORTH OF PROJECT IMPROVEMENT (TO RE-ESTABLISH MOT WORK ZONE TAPERINGS).

ESTIMATED PAVEMENT MARKING REQUIRED:
 LINE, 4" SOLID YELLOW (MEDIAN STRIPING): 2499 LF (DOUBLE YELLOW EACH DIRECTION - 1099 NB, 1400 SB)
 LINE, 12" YELLOW DIAGONAL (IN 10' WIDE MEDIAN): 258 LF
 LINE, 4' WHITE SKIP-DASH (LANE LINES): 312 LF (137 LF NB LANES, 175 LF SB LANES)

LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW, 11" C-C)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SKIP DASH, 10' LINE 30' SPACE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS @ 20' C-C)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SKIP DASH, 2' LINE 6' SPACE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS @ 3' C-C)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE STOP BAR)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑪ RAISED REFLECTIVE PAVEMENT MARKER (AMBER 2-WAY @ 40' C-C)
- ⑫ RAISED REFLECTIVE PAVEMENT MARKER (AMBER 1-WAY @ 40' C-C)
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER (CRYSTAL 1-WAY 2 EACH @ 80' C-C)
- ⑭ RAISED REFLECTIVE PAVEMENT MARKER (CRYSTAL 1-WAY @ 40' C-C)



USER NAME = james_push
 PLOT SCALE = 50.0000' / 1"
 PLOT DATE = 1/21/2016

DESIGNED - JRP
 DRAWN - MRF
 CHECKED - JRP
 DATE - 01/20/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAINFIELD - NAPERVILLE ROAD
 PAVEMENT MARKING & SIGNING PLAN

SCALE: 1"=50' DRAWING NO. 2 OF 2 STA. 27+70.50 TO STA. 48+59.19

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	64
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

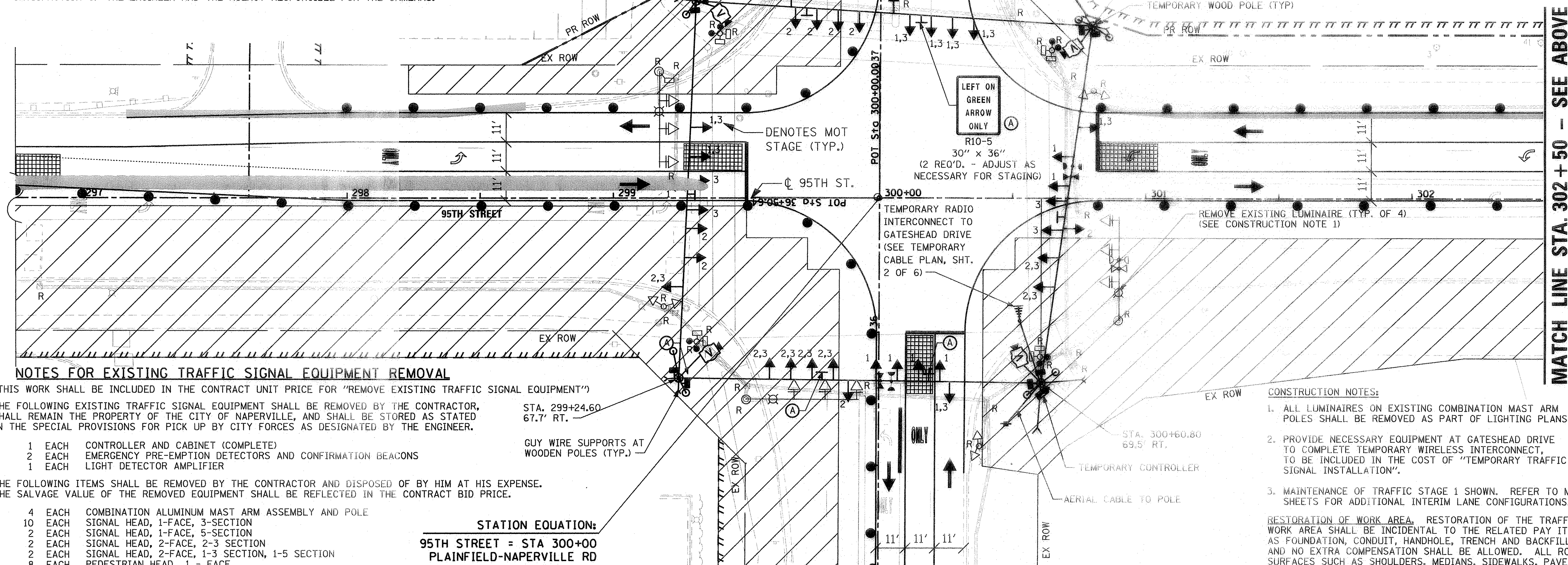
FILE NAME = p:\MCD04\263367381\95th Drawings\Contract-Northern Roadway\Plan\Marking\Shk-Pmk-005.dgn

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE WILL COUNTY APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY WILL COUNTY, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- UNINTERRUPTABLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

MATCH LINE STA. 38+75 - SEE NEXT SHEET

MATCH LINE STA. 302+50 - SEE BELOW



NOTES FOR EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL

(THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT")
 THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF NAPERVILLE, AND SHALL BE STORED AS STATED IN THE SPECIAL PROVISIONS FOR PICK UP BY CITY FORCES AS DESIGNATED BY THE ENGINEER.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH EMERGENCY PRE-EMPTION DETECTORS AND CONFIRMATION BEACONS
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY HIM AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 4 EACH COMBINATION ALUMINUM MAST ARM ASSEMBLY AND POLE
- 10 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 2 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 2 EACH SIGNAL HEAD, 2-FACE, 2-3 SECTION
- 2 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
- 8 EACH PEDESTRIAN HEAD 1 - FACE
- 8 EACH PEDESTRIAN PUSHBUTTON
- 1 EACH SERVICE INSTALLATION
- 8 EACH TRAFFIC SIGNAL POST
- 20 EACH TRAFFIC SIGNAL BACKPLATE

STATION EQUATION:
 95TH STREET = STA 300+00
 PLAINFIELD-NAPERVILLE RD = STA 36+50.64

CONSTRUCTION NOTES:

- ALL LUMINAIRES ON EXISTING COMBINATION MAST ARM POLES SHALL BE REMOVED AS PART OF LIGHTING PLANS.
- PROVIDE NECESSARY EQUIPMENT AT GATESHEAD DRIVE TO COMPLETE TEMPORARY WIRELESS INTERCONNECT, TO BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
- MAINTENANCE OF TRAFFIC STAGE 1 SHOWN. REFER TO MOT SHEETS FOR ADDITIONAL INTERIM LANE CONFIGURATIONS.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

MATCH LINE STA. 35+10 - SEE NEXT SHEET



USER NAME = james.push
 PLOT SCALE = 1/4" = 20'
 PLOT DATE = 3/21/2016

DESIGNED: JRP
 DRAWN: MRF
 CHECKED: JRP
 DATE: 03/21/2016

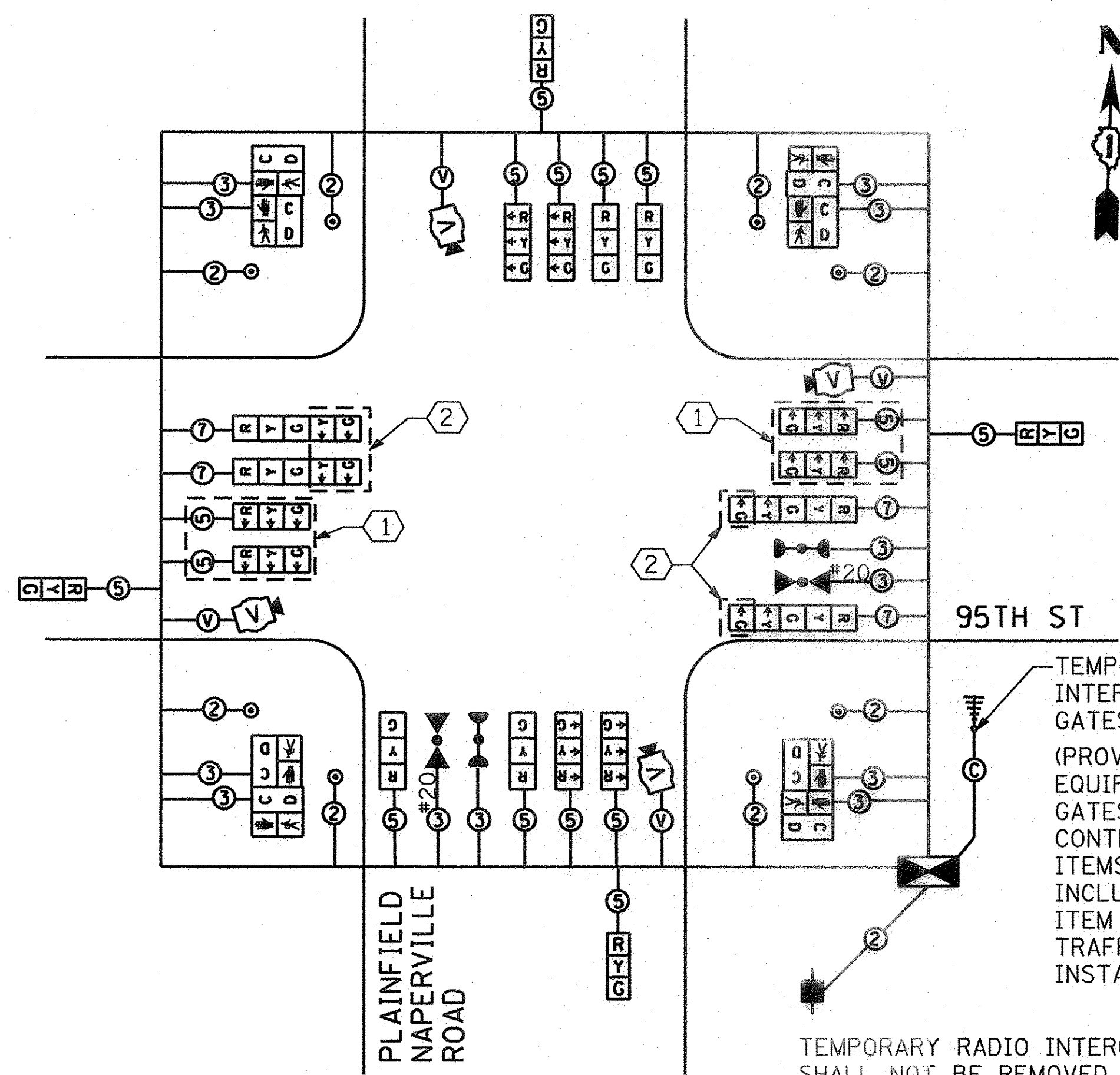
REVISED: -
 REVISED: -
 REVISED: -
 REVISED: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

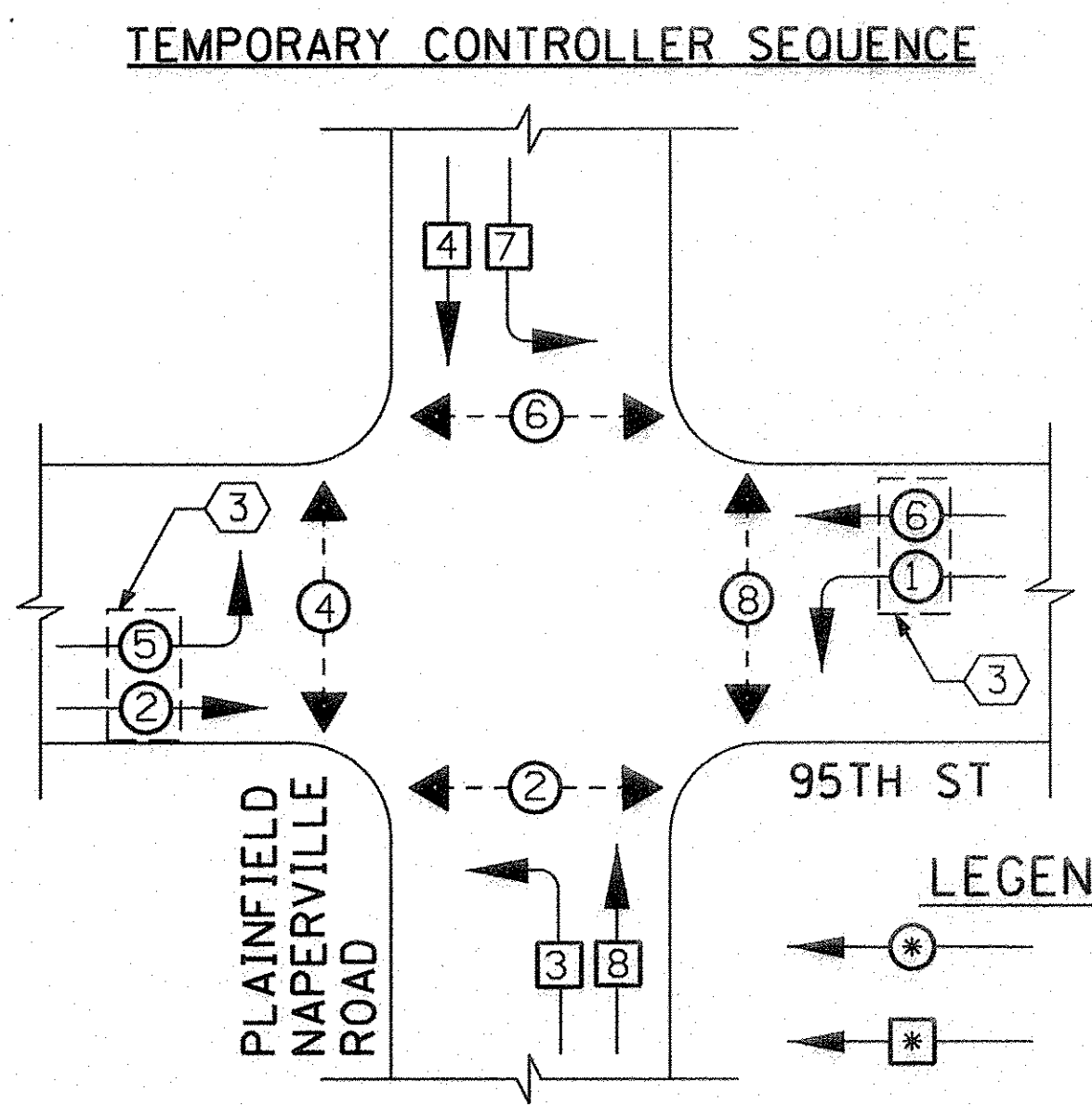
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE
 EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
 95TH AND PLAINFIELD/NAPERVILLE RD

SCALE: 1" = 20' DRAWING NO. 1 OF 7 STA. TO STA.

F.A.U. RTE. 1644	SECTION 12-00181-01-PP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 65
CONTRACT NO. 61A30			ILLINOIS FED. AID PROJECT	

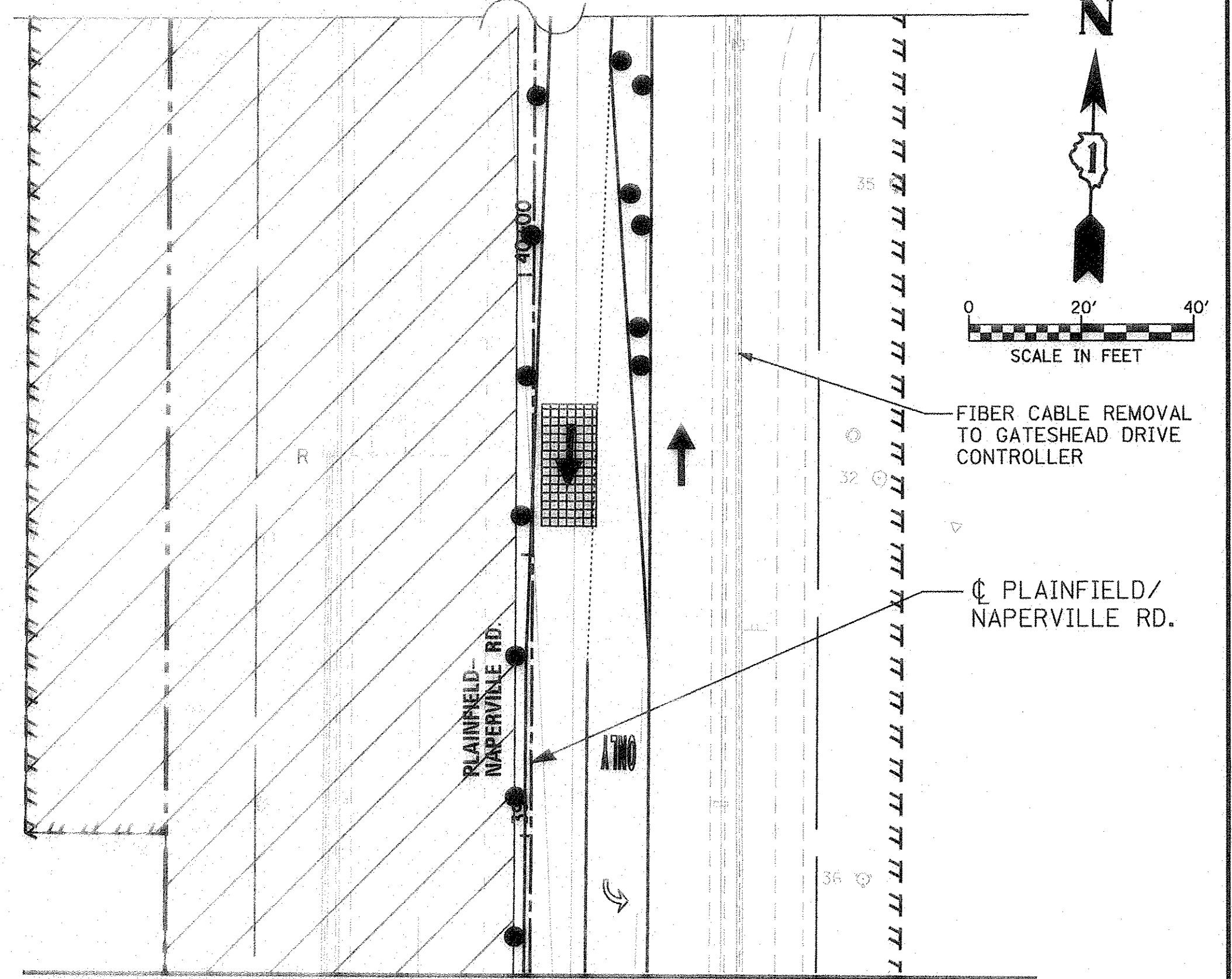


TEMPORARY CABLE PLAN



TEMPORARY PHASE DESIGNATION DIAGRAM
PROTECTED/PERMITTED LEFT TURN PHASING

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE TO MATCH THE EXISTING SYSTEM.

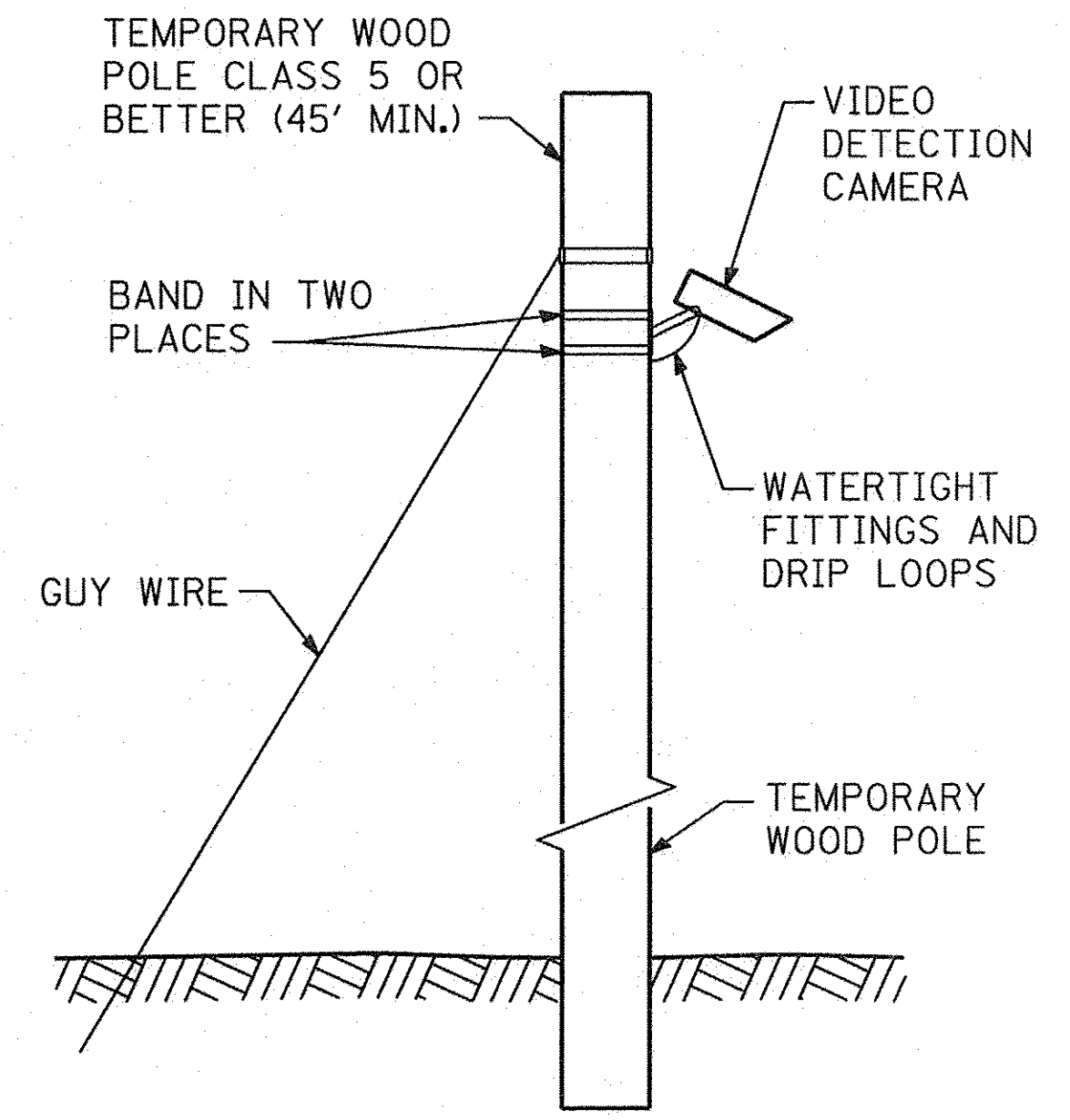


MATCH LINE STA. 38+75 - SEE PREVIOUS SHEET

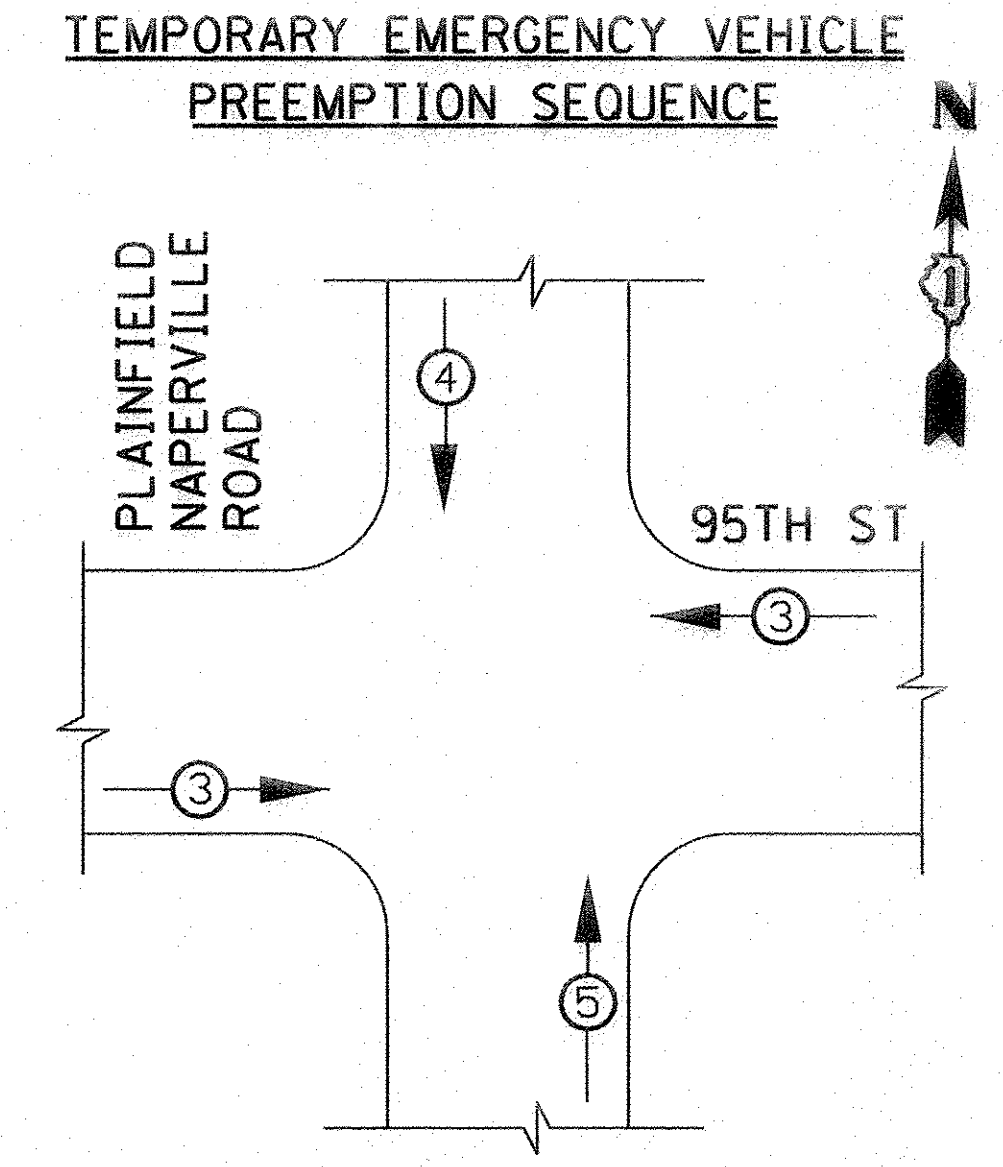
- CONSTRUCTION NOTES:
- ① BAG AND DEACTIVATE SIGNAL SECTION DURING STAGES 1 AND 2.
 - ② BAG AND DEACTIVATE SIGNAL SECTION DURING STAGE 3.
 - ③ MOVEMENTS TO FUNCTION AS SINGLE ENTRY DURING STAGE 3.

TEMPORARY RADIO INTERCONNECT TO GATESHEAD DRIVE (PROVIDE SIMILAR EQUIPMENT IN GATESHEAD DRIVE CONTROLLER. ALL ITEMS SHALL BE INCLUDED IN PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION").

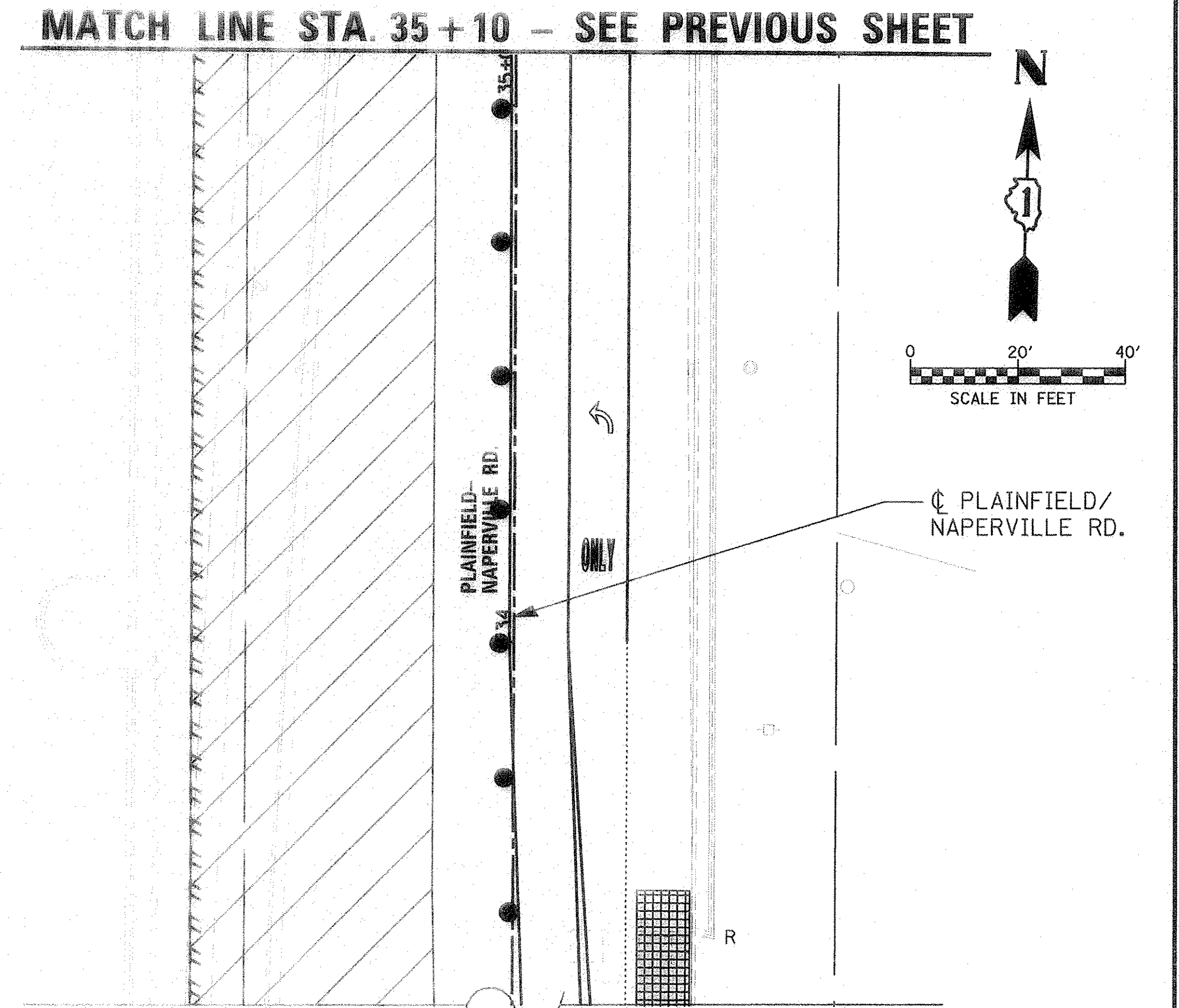
TEMPORARY RADIO INTERCONNECT SHALL NOT BE REMOVED UNTIL FIBER INTERCONNECT TO GATESHEAD DRIVE IS REINSTALLED AND OPERATIONAL.



TEMPORARY VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)



TEMPORARY EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	← →	↓	↑



MATCH LINE STA. 35+10 - SEE PREVIOUS SHEET

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	
SIGNAL (RED)	20	-	17	0.50	170.00
(YELLOW)	20	-	25	0.25	125.00
(GREEN)	20	-	15	0.25	75.00
ARROW	16	-	12	0.10	9.60
PED. SIGNAL	8	-	25	1.00	200.00
CONTROLLER	1	-	100	1.00	100.00
ILLUM. SIGN	-	-	25	0.50	-
VIDEO SYSTEM	1	150	-	1.00	150.00
ENERGY COSTS TO:					TOTAL = 829.60
ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY/DISTRICT 1 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY CONTACT: RON RITTER					
PHONE: (630) 420-4183					
COMPANY: NAPERVILLE DPU-E					



USER NAME: j.garcia_purch
PLOT SCALE: 1/8" = 1'-0"
PLOT DATE: 3/21/2016

DESIGNED: JRP
DRAWN: MRF
CHECKED: JRP
DATE: 03/21/2016

REVISED: -
REVISED: -
REVISED: -
REVISED: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND TEMPORARY CABLE PLAN
95TH AND PLAINFIELD/NAPERVILLE RD
SCALE: 1" = 20'
DRAWING NO. 2 OF 7
STA. TO STA.

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 66
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

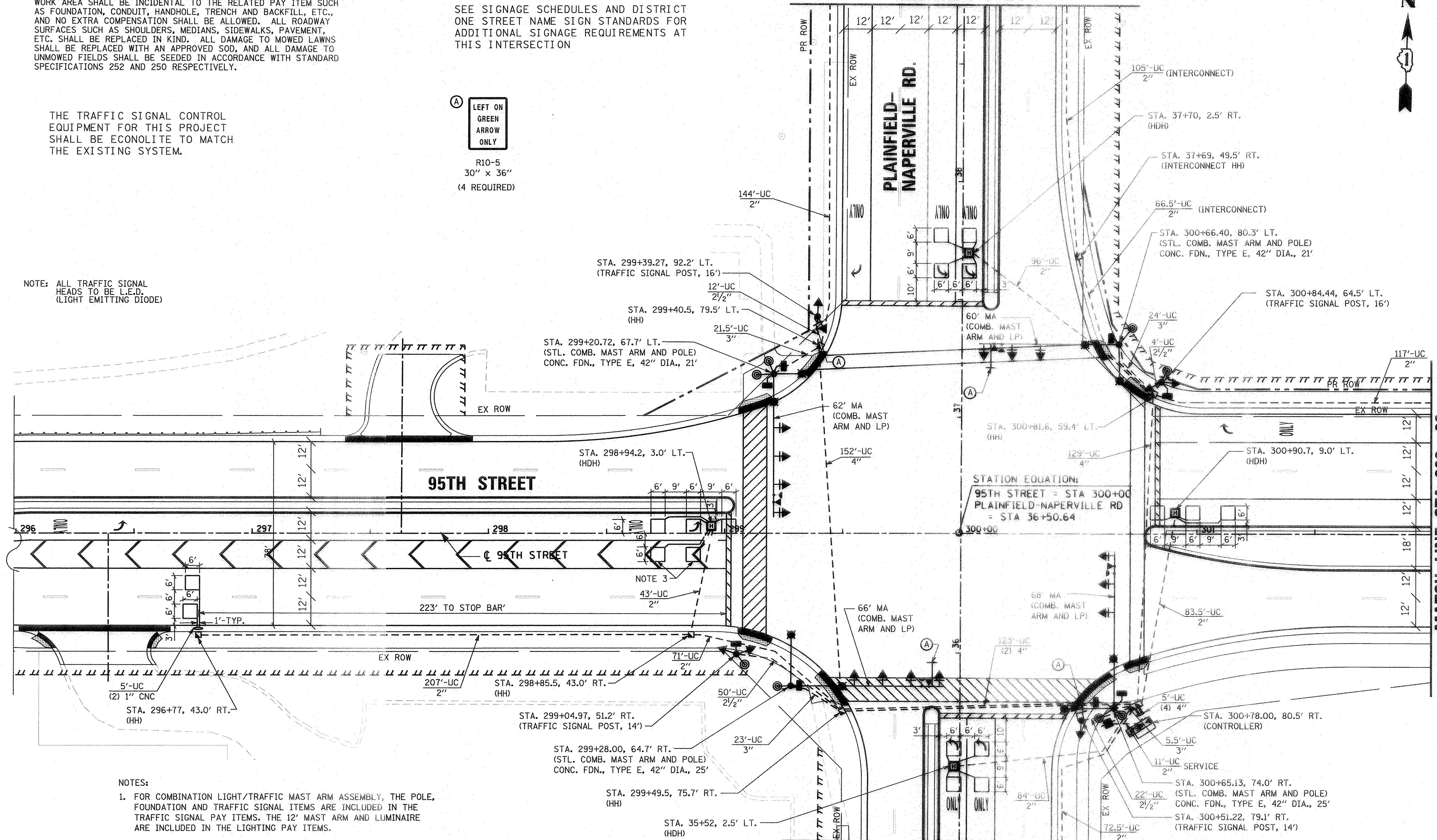
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

SEE SIGNAGE SCHEDULES AND DISTRICT ONE STREET NAME SIGN STANDARDS FOR ADDITIONAL SIGNAGE REQUIREMENTS AT THIS INTERSECTION

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE TO MATCH THE EXISTING SYSTEM.

(A) LEFT ON GREEN ARROW ONLY
R10-5
30" x 36"
(4 REQUIRED)

NOTE: ALL TRAFFIC SIGNAL HEADS TO BE L.E.D. (LIGHT EMITTING DIODE)



- NOTES:
- FOR COMBINATION LIGHT/TRAFFIC MAST ARM ASSEMBLY, THE POLE, FOUNDATION AND TRAFFIC SIGNAL ITEMS ARE INCLUDED IN THE TRAFFIC SIGNAL PAY ITEMS. THE 12' MAST ARM AND LUMINAIRE ARE INCLUDED IN THE LIGHTING PAY ITEMS.
 - ANY DAMAGE TO THE PROPOSED SIDEWALKS OR MEDIANS SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COST.
 - INSTALL DETECTOR LOOPS IN BINDER COURSE.



USER NAME = jones.push
PLOT SCALE = 1/8" = 1'-0"
PLOT DATE = 3/21/2016

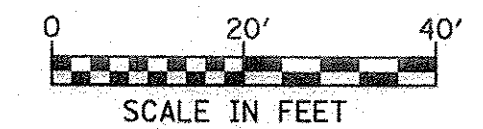
DESIGNED JRP
DRAWN MRF
CHECKED JRP
DATE 03/21/2016

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
95TH AND PLAINFIELD/NAPERVILLE RD
SCALE: 1" = 20' DRAWING NO. 3 OF 7 STA. TO STA.

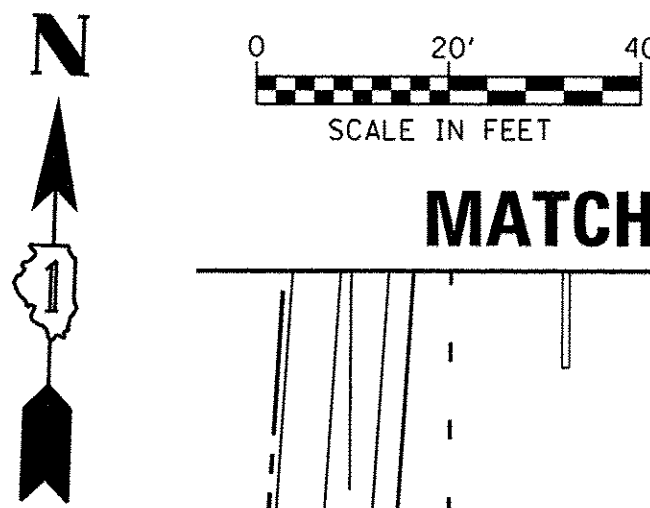
F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 67
CONTRACT NO. 61A30				ILLINOIS FED. AID PROJECT



MATCH LINE STA. 302 + 00
SEE NEXT SHEET

MATCH LINE STA. 35 + 20 -
SEE NEXT SHEET

MATCH LINE STA. 38 + 75 -
SEE NEXT SHEET



NORTH LEG

MATCH LINE STA. 42 + 00

MATCH LINE STA. 45 + 25

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE TO MATCH THE EXISTING SYSTEM.

SEE INTERCONNECT SCHEMATIC FOR FULL SCOPE OF FIBER OPTIC CABLE REPLACEMENT AND ALL INTERCONNECT QUANTITIES.

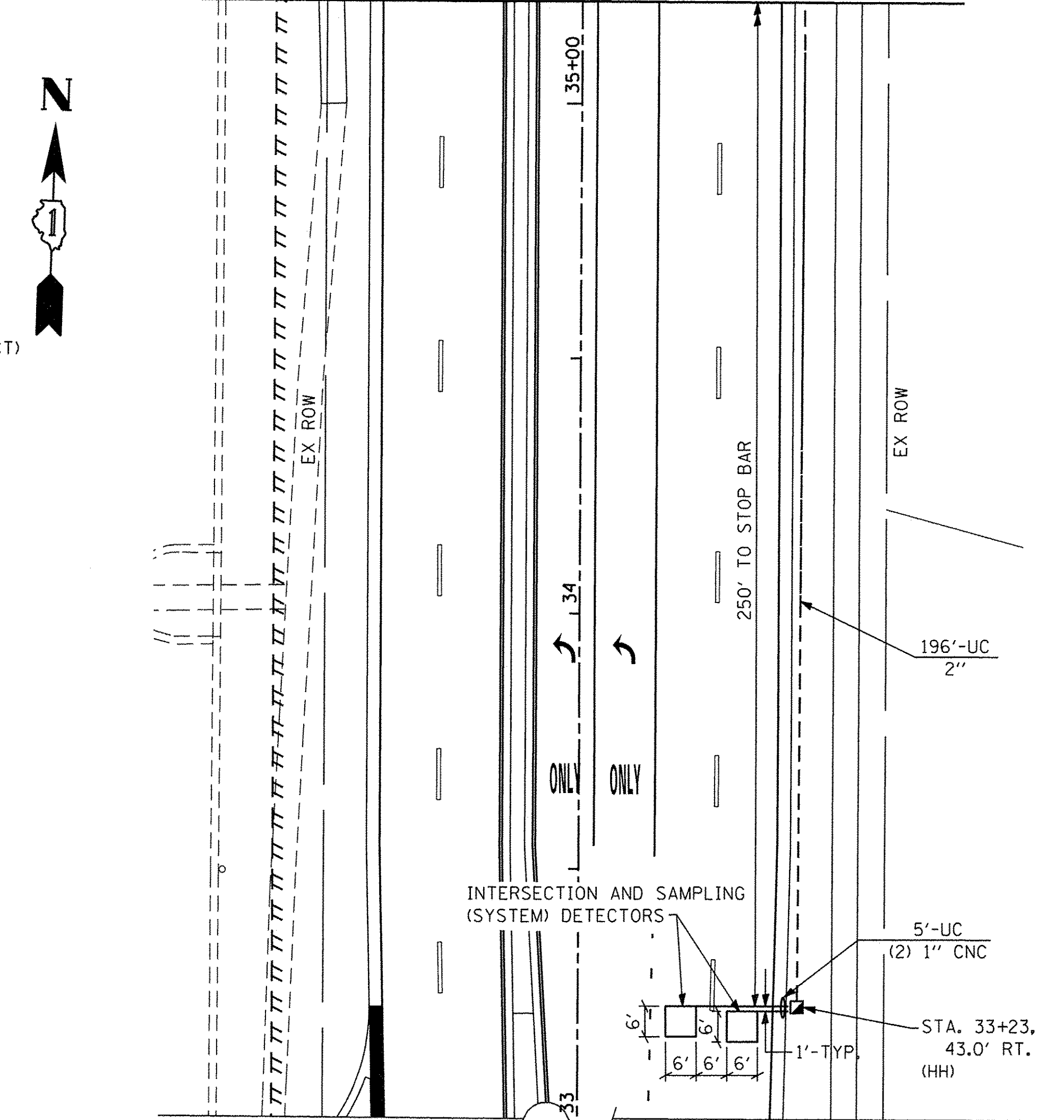
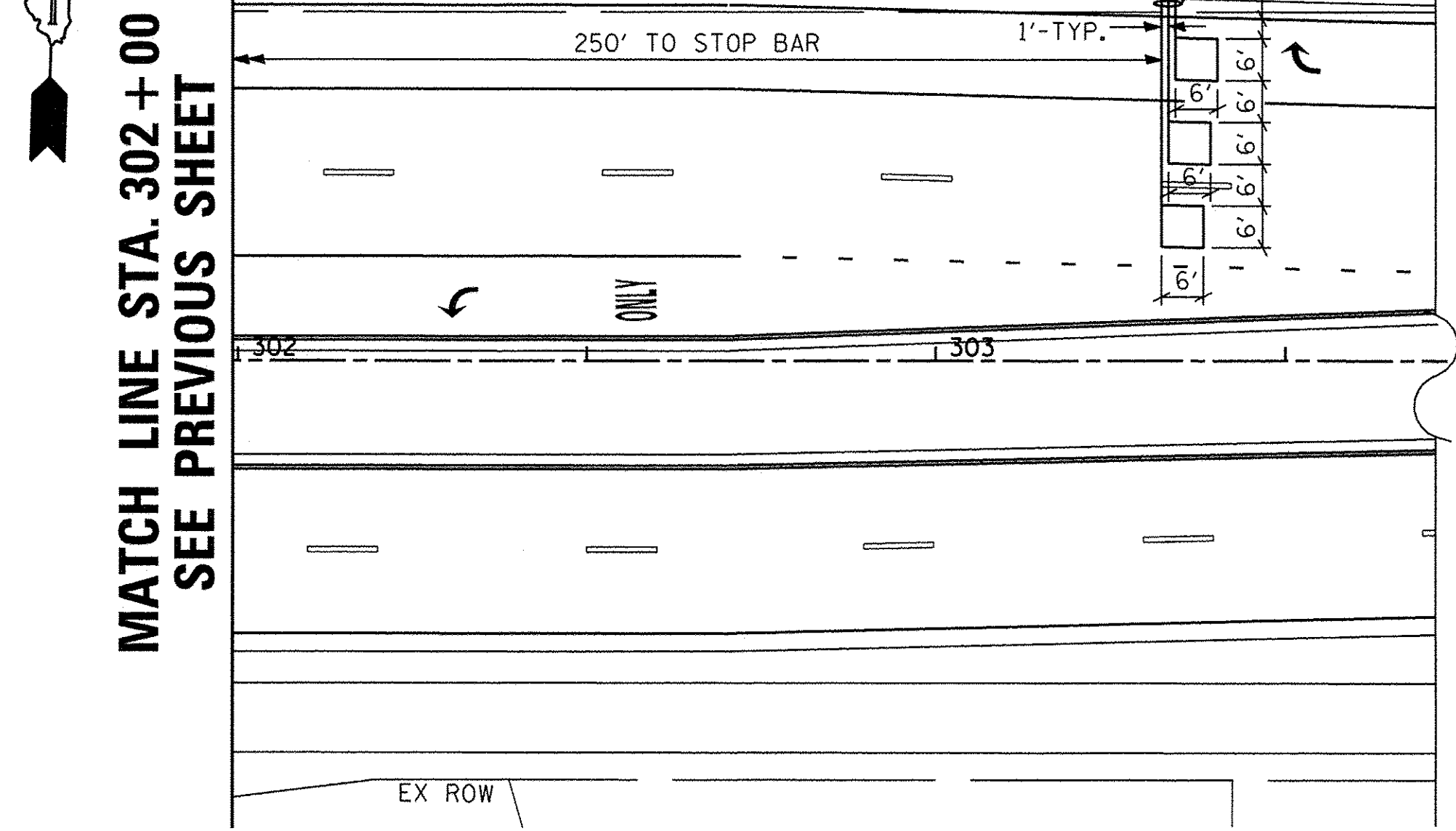
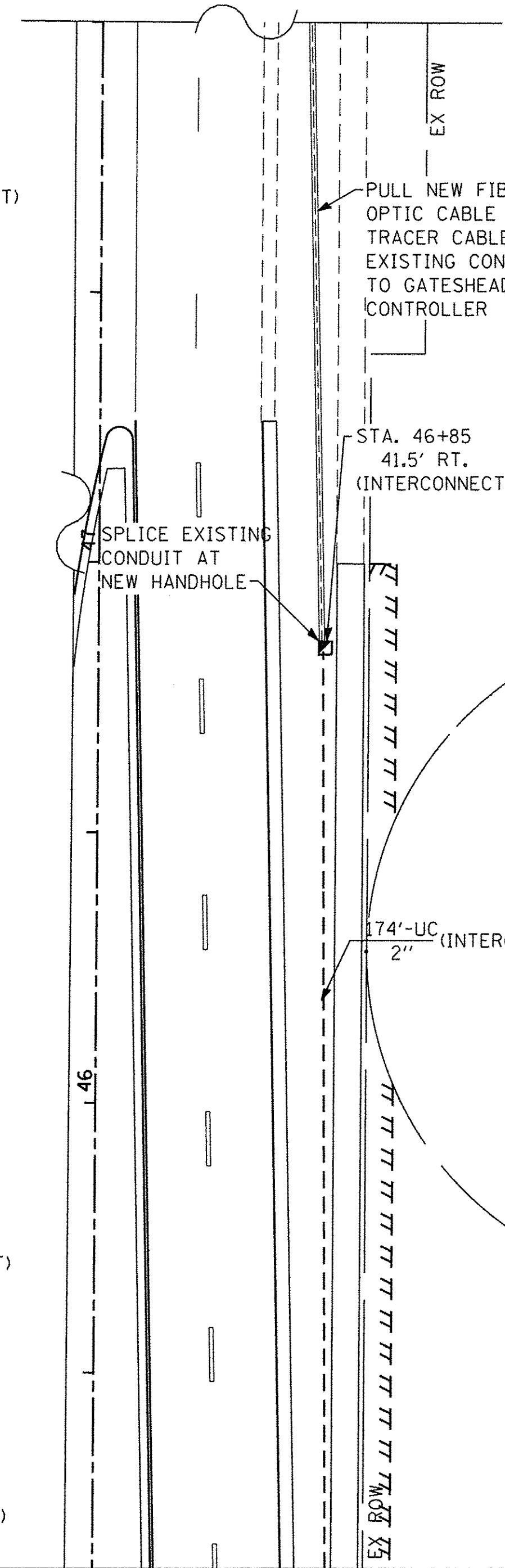
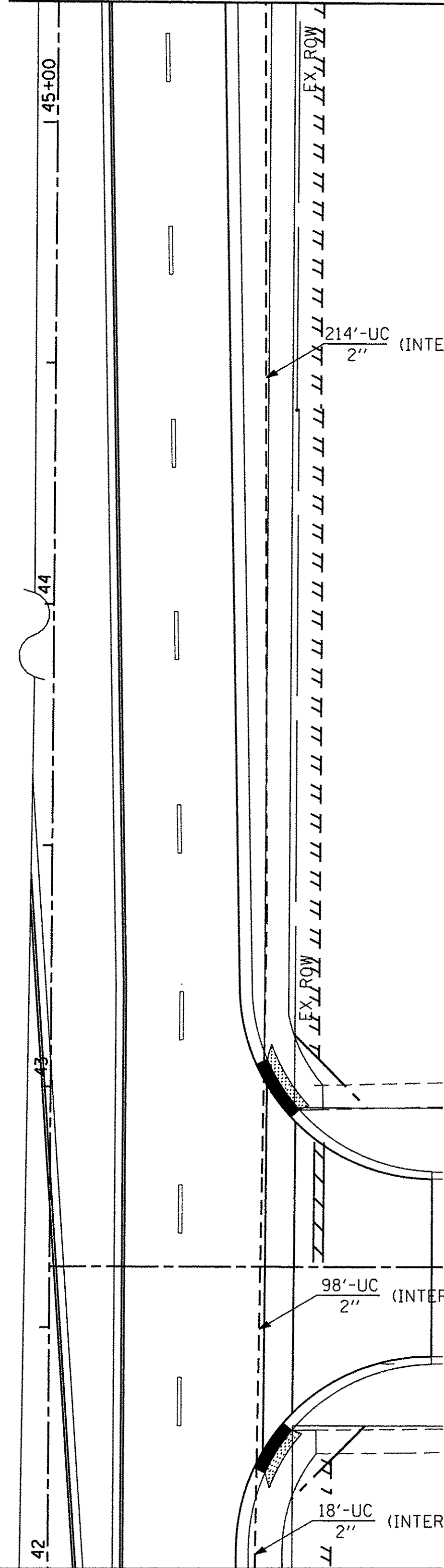
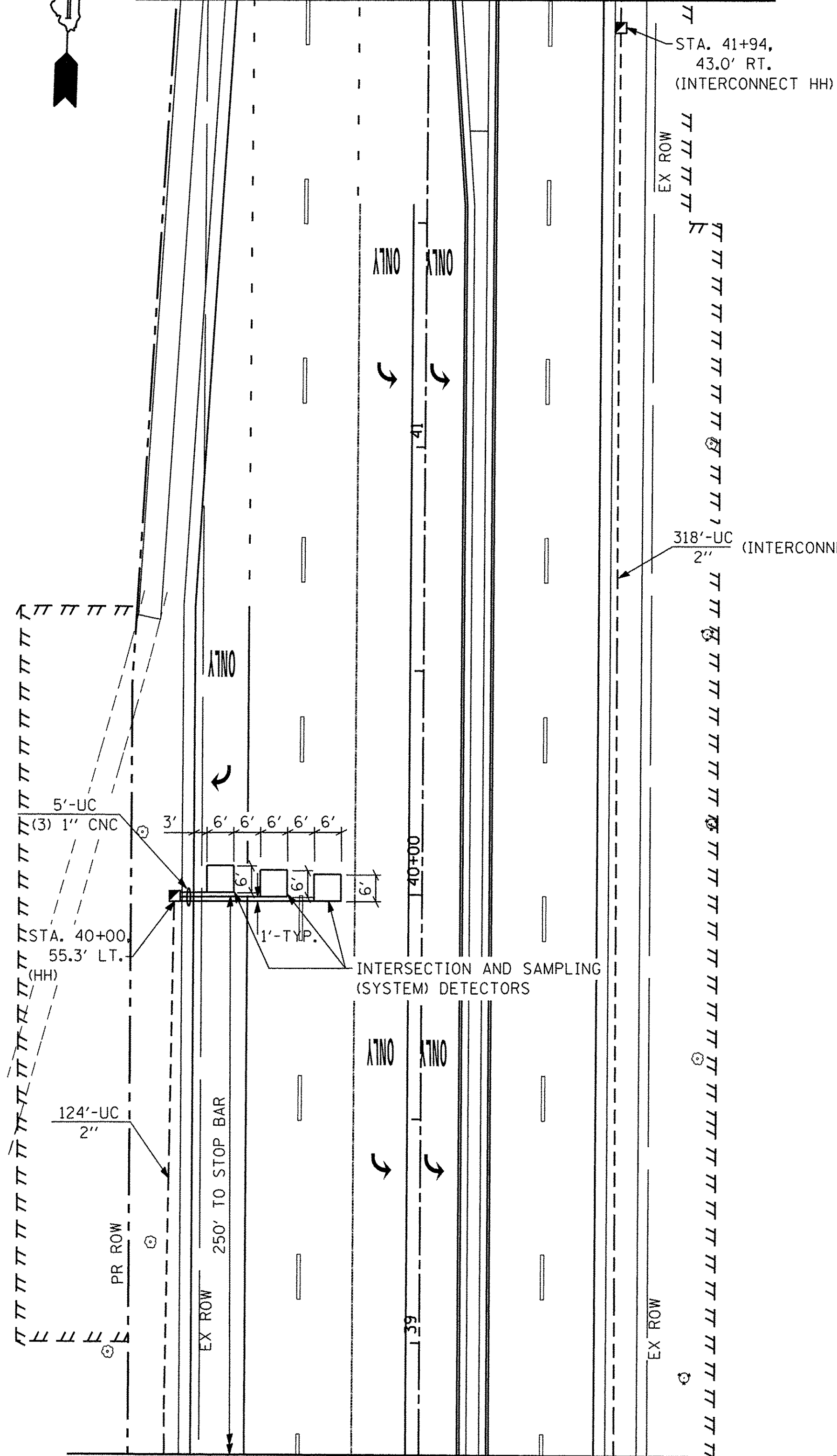


EAST LEG

MATCH LINE STA. 302 + 00 - SEE PREVIOUS SHEET

MATCH LINE STA. 35 + 20 - SEE PREVIOUS SHEET

SOUTH LEG



USER NAME = james.push	DESIGNED - JRP	REVISED -
DRAWN - MRF	REVISED -	
PLOT SCALE = 20.0000' / 1" =	CHECKED - JRP	REVISED -
PLOT DATE = 1/21/2016	DATE - 01/20/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

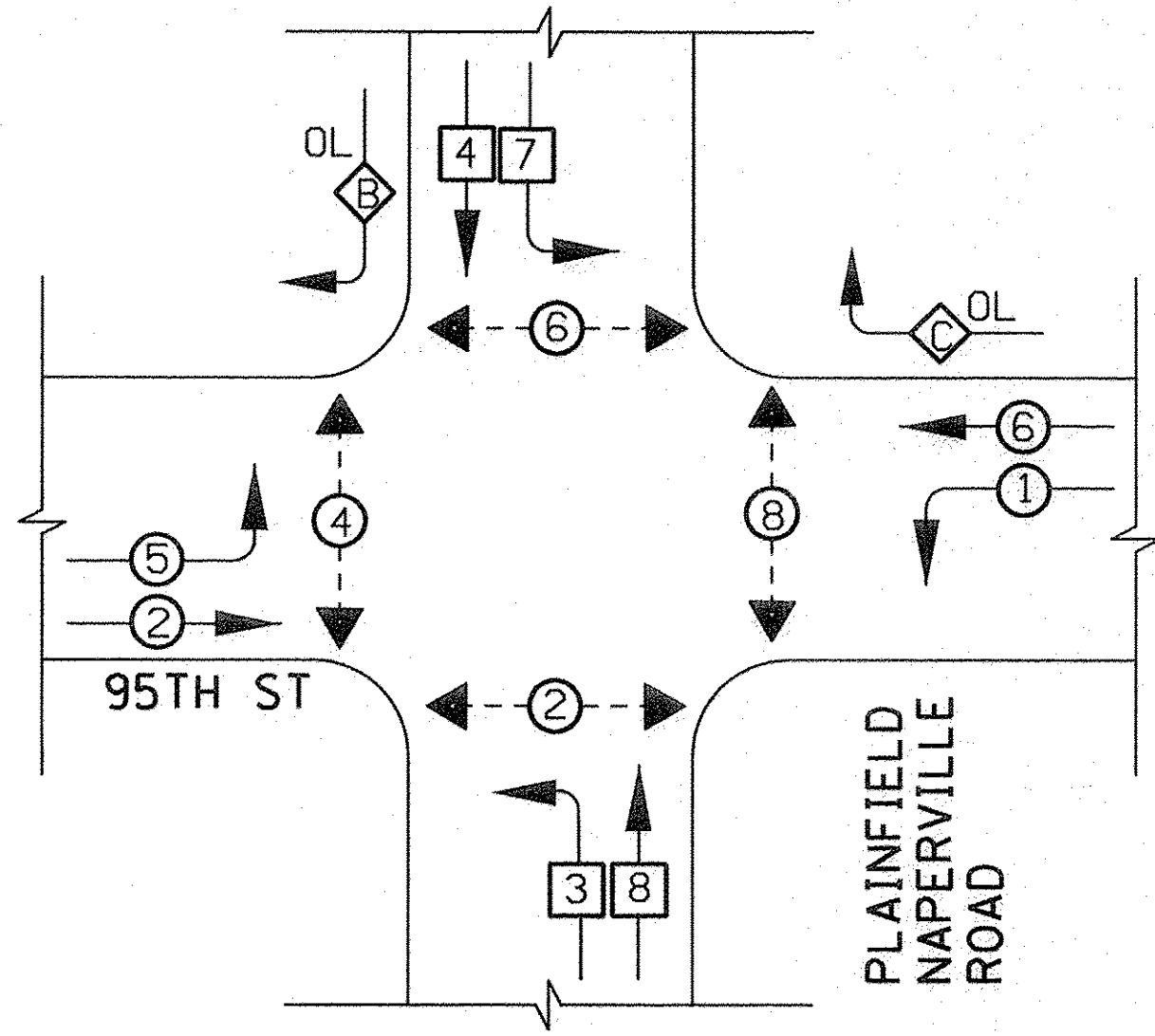
**TRAFFIC SIGNAL PLAN
95TH AND PLAINFIELD/NAPEVILLE RD**

SCALE: 1" = 20' DRAWING NO. 4 OF 6 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	68
CONTRACT NO. 61A30			ILLINOIS FED. AID PROJECT	

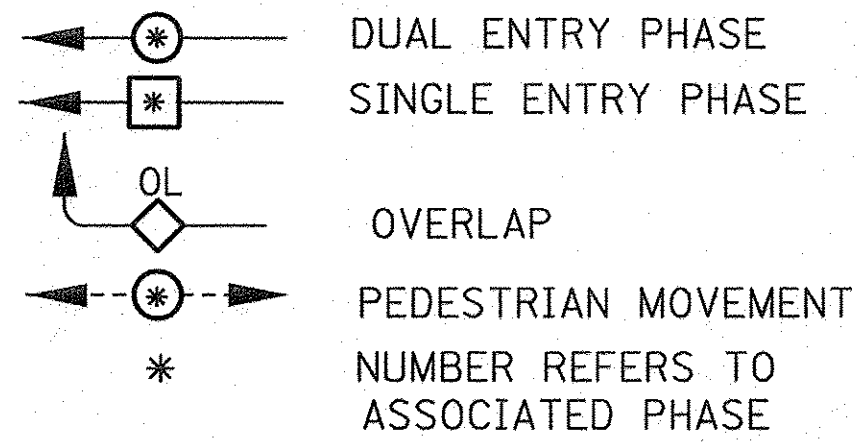
FILE NAME = p:\VCD\04_25367381_95th Dr-signal\Contract\North\Roadway\SIGNAL\Signal-94-Plainfield\Signal-signal_2.dgn

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM
PROTECTED/PERMITTED LEFT TURN PHASING WITH RIGHT TURN OVERLAP

LEGEND



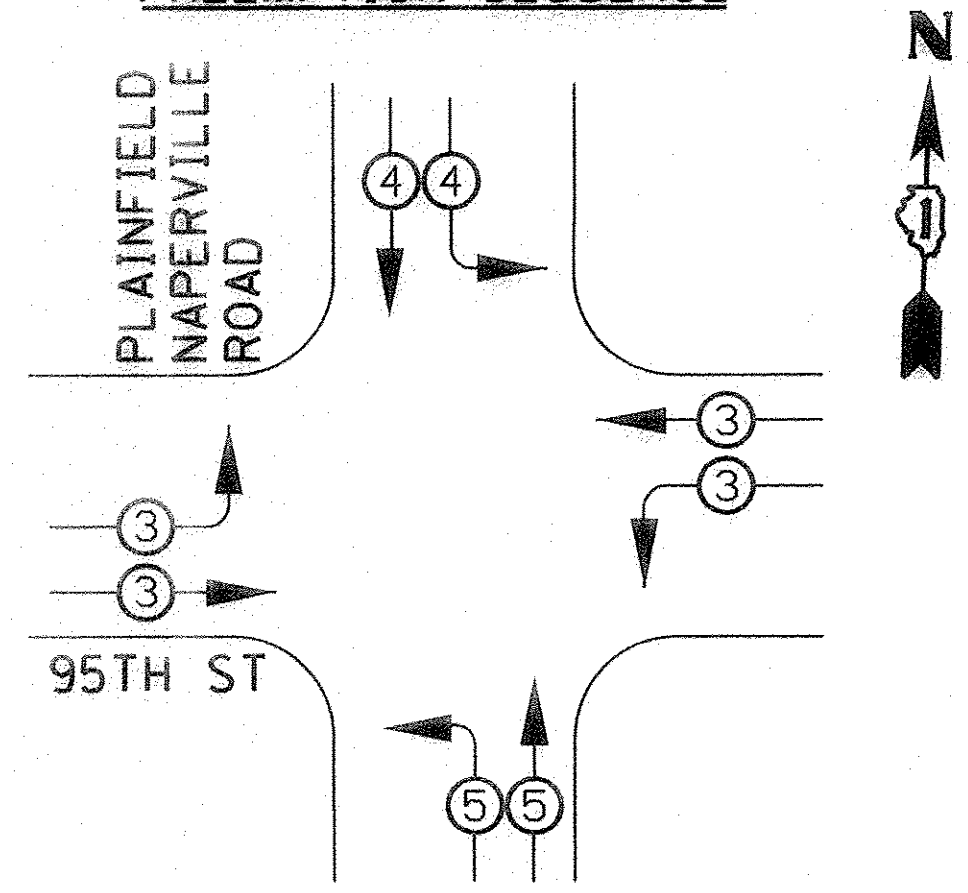
RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
C	= 6 +	7
B	= 4 +	5

NOTE:

EQUIPMENT GROUND CONDUCTOR (GREEN COLOR CODED) SPLICE TO FRAME AND COVER IS REQUIRED FOR ALL HANDHOLES OR DOUBLE HANDHOLES THAT CARRY SIGNAL CABLES AND SERVICE CABLES.

EMERGENCY VEHICLE PREEMPTION SEQUENCE

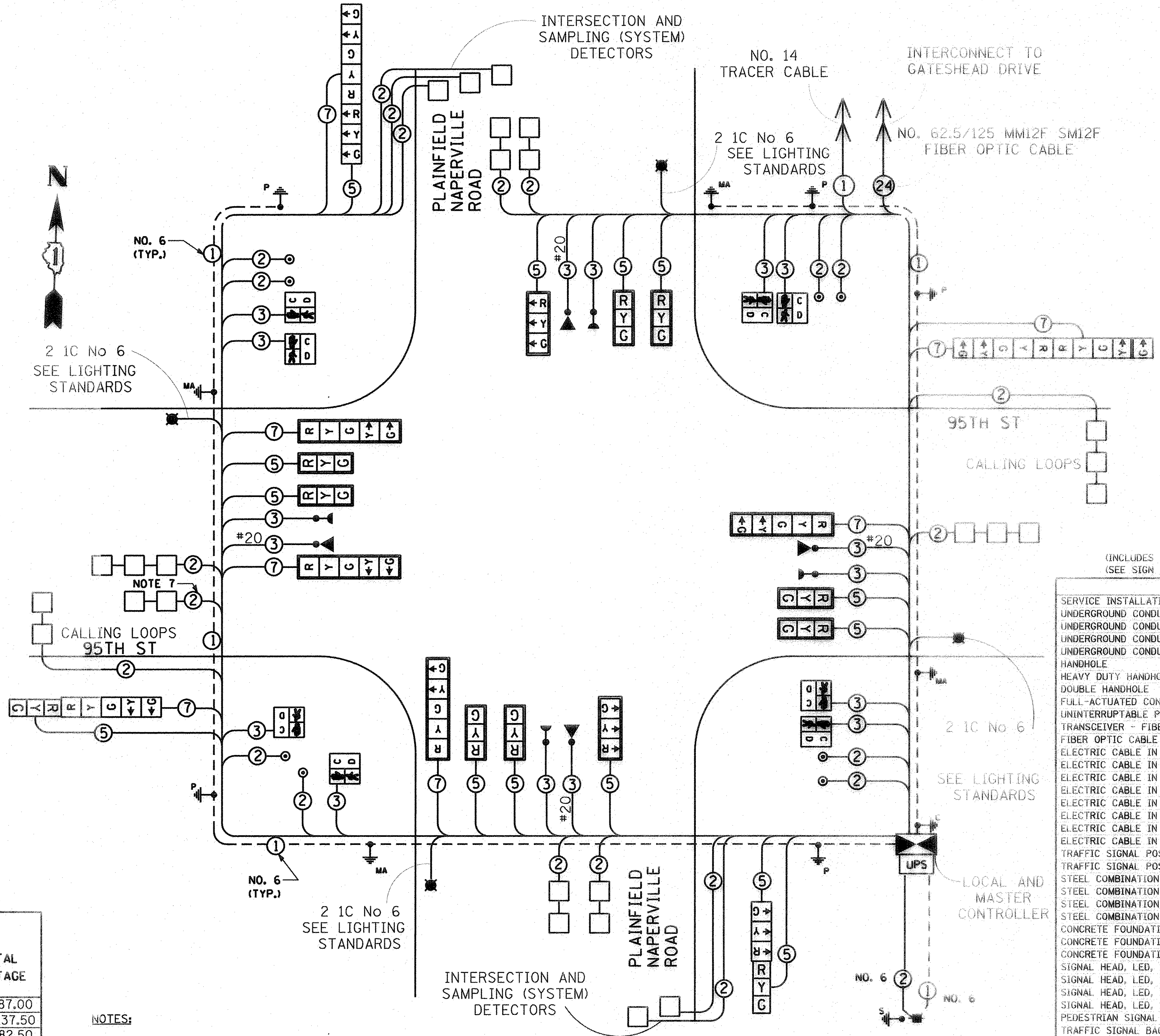


PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	← →	↓ ↘	← ↗

SCHEDULE OF QUANTITIES

(INCLUDES QUANTITIES FOR TRAFFIC SIGNAL INTERCONNECT - SEE DRAWING 6 OF 6)
(SEE SIGN SCHEDULES FOR ALL INTERSECTION SIGNAGE QUANTITIES)

PAY ITEM	UNITS	QNTY.
SERVICE INSTALLATION (SPECIAL)	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 IN. DIA.	FOOT	2,361
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2 IN. DIA.	FOOT	88
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 IN. DIA.	FOOT	74
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4 IN. DIA.	FOOT	547
HANDHOLE	EACH	11
HEAVY DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	2,418
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2,418
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1,529
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	2,626
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	3,201
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	2,066
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,583
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	34
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	722
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 68 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E, 42 INCH DIAMETER	FOOT	92
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	10
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	14
INDUCTIVE LOOP DETECTOR	EACH	14
DETECTOR LOOP, TYPE 1	FOOT	858
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	L SUM	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2,418
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	14
REMOVE EXISTING DOUBLE HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	13
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1,041
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1



NOTES:

- ALL SIGNAL SECTIONS SHALL BE 12"
- THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "ECONOLITE".
- MAST ARM MOUNTED STREET NAME SIGNS SHALL BE PROVIDED ON ALL MAST ARMS.
- THIS IS A SYSTEM GROUND THAT SHALL INTERCONNECT ALL GROUND RODS WITH NO. 6 1/C SOLID COPPER AWG.
- THE NEUTRAL AND GROUND SHALL BE TIED AT THE SERVICE INSTALLATION, BUT SHALL BE SEPARATED AT THE TRAFFIC CONTROL CABINET.
- ALL TRAFFIC SIGNAL AND PEDESTRIAN SIGNAL LENSES SHALL BE L.E.D. TYPE.
- COIL ELECTRIC CABLE, SIGNAL, NO. 14 2C FROM THE INACTIVE EASTBOUND LEFT TURN LANE IN THE BASE OF THE TRAFFIC SIGNAL CABINET FOR FUTURE CONNECTION.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE TO MATCH THE EXISTING SYSTEM.

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	-	17	0.50	187.00
(YELLOW)	22	-	25	0.25	137.50
(GREEN)	22	-	15	0.25	82.50
ARROW	16	-	12	0.10	19.2
PED. SIGNAL	8	-	25	1.00	200.00
CONTROLLER	1	-	100	1.00	100.00
ILLUM. SIGN	-	-	25	0.50	-

ENERGY COSTS TO: **TOTAL = 723.80**
ILLINOIS DEPAR MEN OF TRANSPOR A ION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: RON RITTER
PHONE: (630) 420-4183
COMPANY: NAPERVILLE DPU-E

AECOM
USER NAME = james_push
DESIGNED - JRP
DRAWN - MRF
CHECKED - JRP
DATE 03/21/2016
PLOT SCALE = 40,0000 1/4 in.
PLOT DATE = 3/21/2016

DESIGNED	REVISION
JRP	-
MRF	-
JRP	-
03/21/2016	-

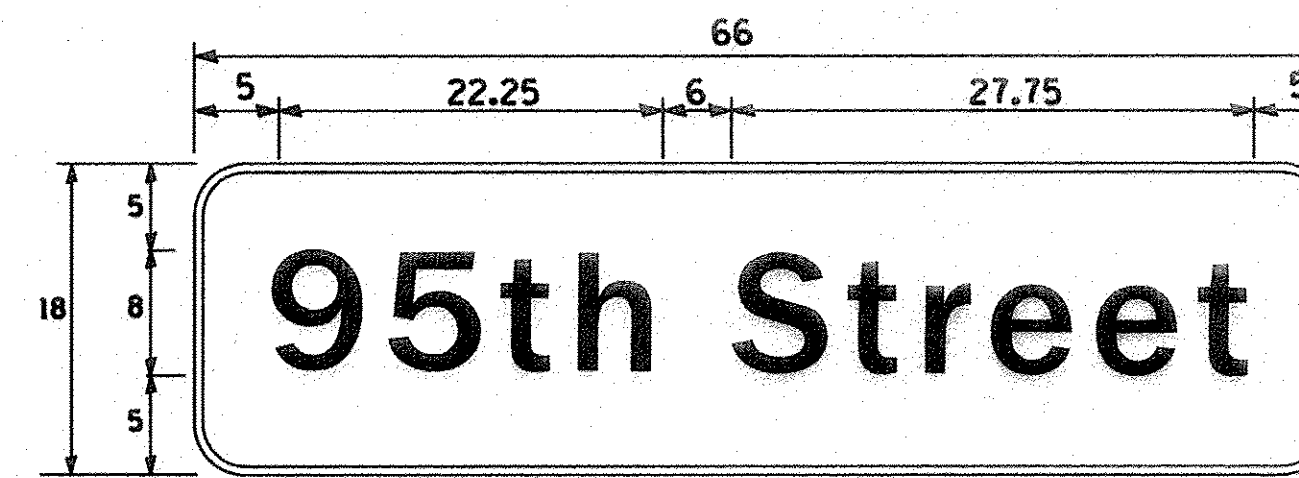
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES AND CABLE PLAN
95TH AND PLAINFIELD/NAPERVILLE RD
SCALE: NTS DRAWING NO. 5 OF 7 STA. TO STA.

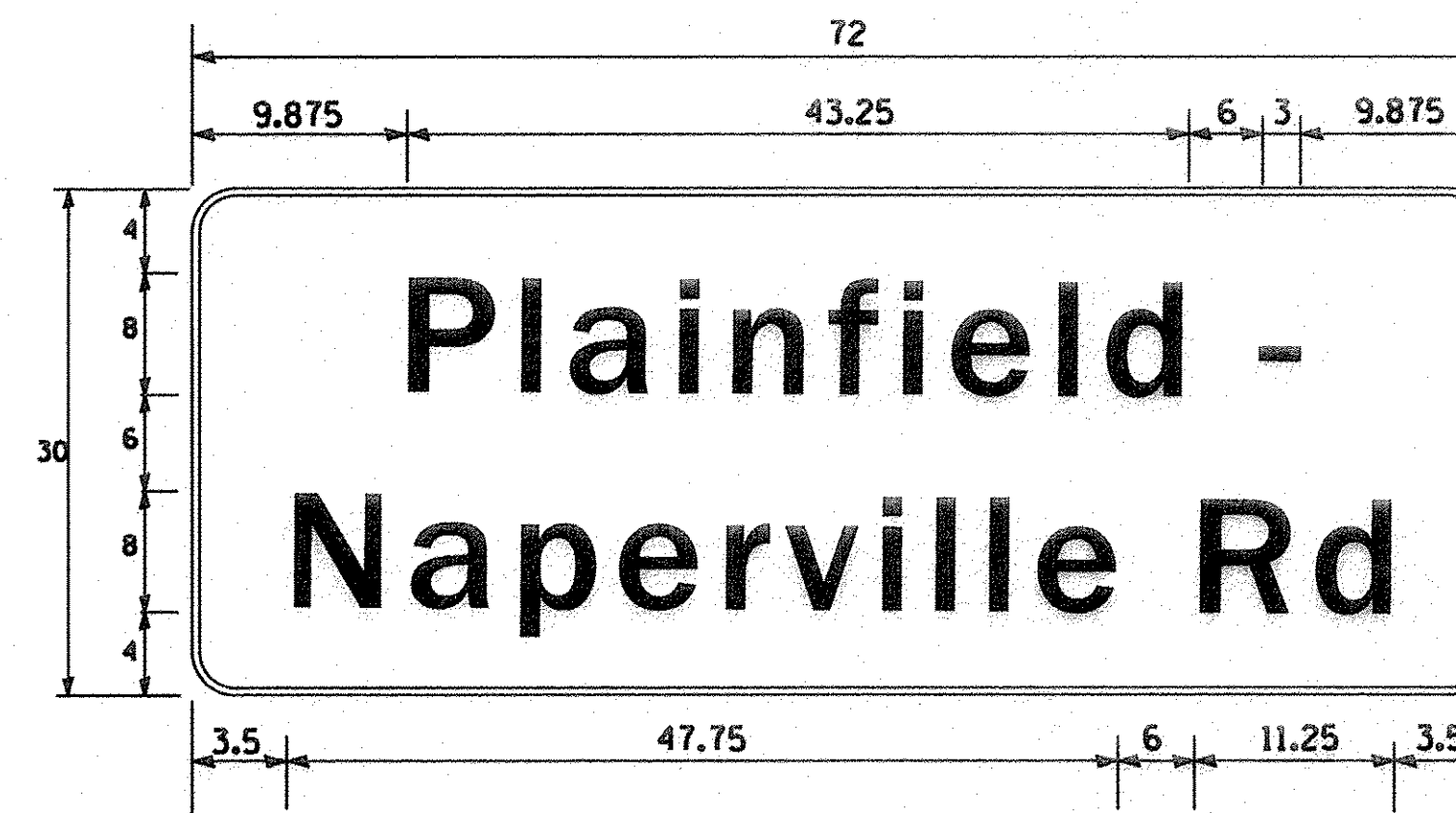
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-PP	WILL	179	69

CONTRACT NO. 61A30
ILLINOIS FED. AID PROJECT

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	8.25	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15	2	ZZ	2

FILE NAME = P:\AECOM\2016\7381-98\Drawings\Contract-North\Roadway\Signage\95th Plainfield Naperville Rd.dwg



USER NAME = james.pugh
 PLOT SCALE = 1/2" = 1'-0"
 PLOT DATE = 3/21/2016

DESIGNED - MJL
 DRAWN - MJL
 CHECKED - ZGJ
 DATE - 03/21/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAST ARM MOUNTED STREET NAME SIGNS
 95TH AND PLAINFIELD/NAPERVILLE RD**

SCALE: NTS DRAWING NO. 6 OF 7 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	69A
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

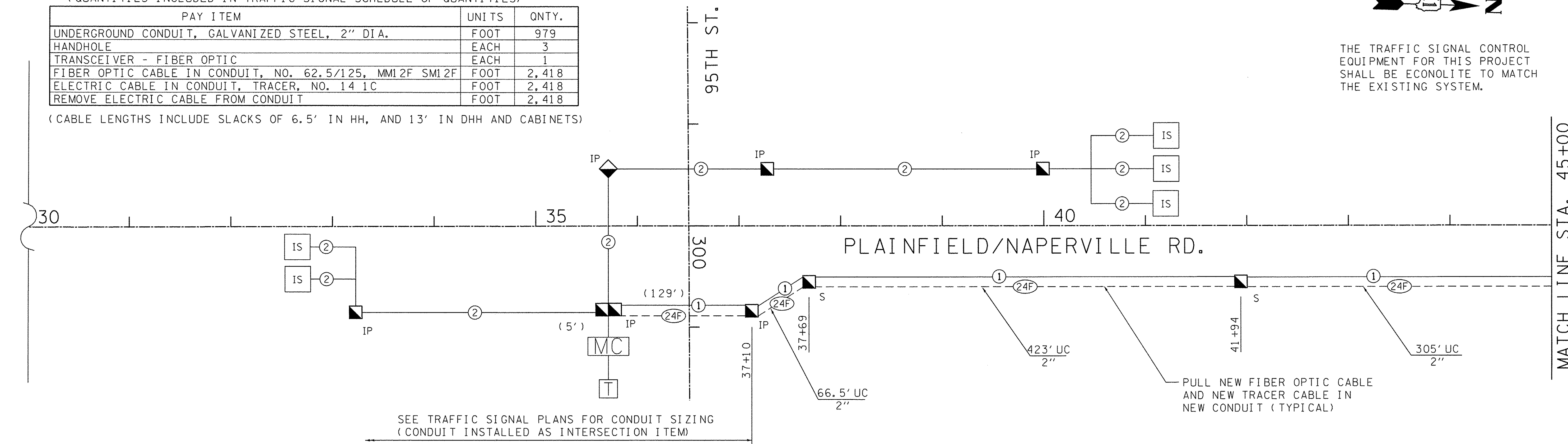
(QUANTITIES INCLUDED IN TRAFFIC SIGNAL SCHEDULE OF QUANTITIES)

PAY ITEM	UNITS	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	979
HANDHOLE	EACH	3
TRANSCEIVER - FIBER OPTIC	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	2,418
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2,418
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2,418

(CABLE LENGTHS INCLUDE SLACKS OF 6.5' IN HH, AND 13' IN DHH AND CABINETS)

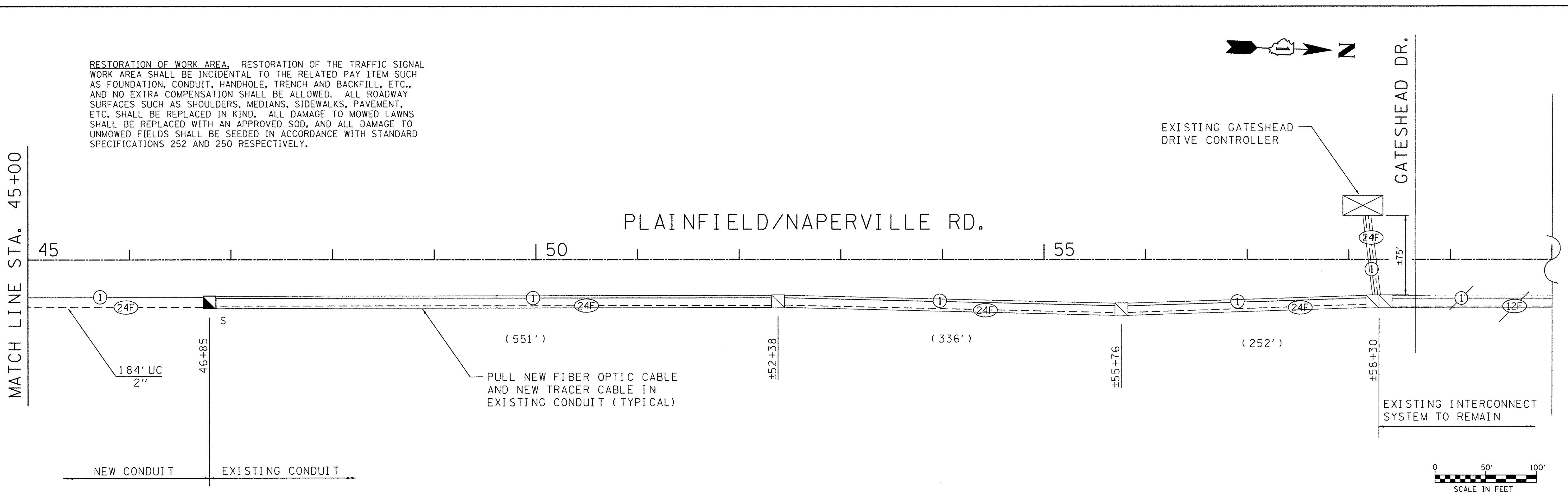


THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE TO MATCH THE EXISTING SYSTEM.



SEE TRAFFIC SIGNAL PLANS FOR CONDUIT SIZING (CONDUIT INSTALLED AS INTERSECTION ITEM)

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

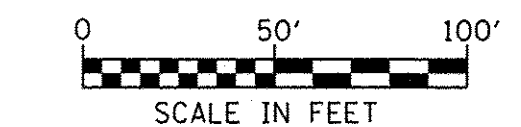


EXISTING GATESHEAD DRIVE CONTROLLER

GATESHEAD DR.

EXISTING INTERCONNECT SYSTEM TO REMAIN

NEW CONDUIT EXISTING CONDUIT



FILE NAME = p:\VCD04\26367381\95th\Drawings\Contract\North\Roadway\Signals\Signal-06\PlainfieldNaper-interconnect.sch.dgn



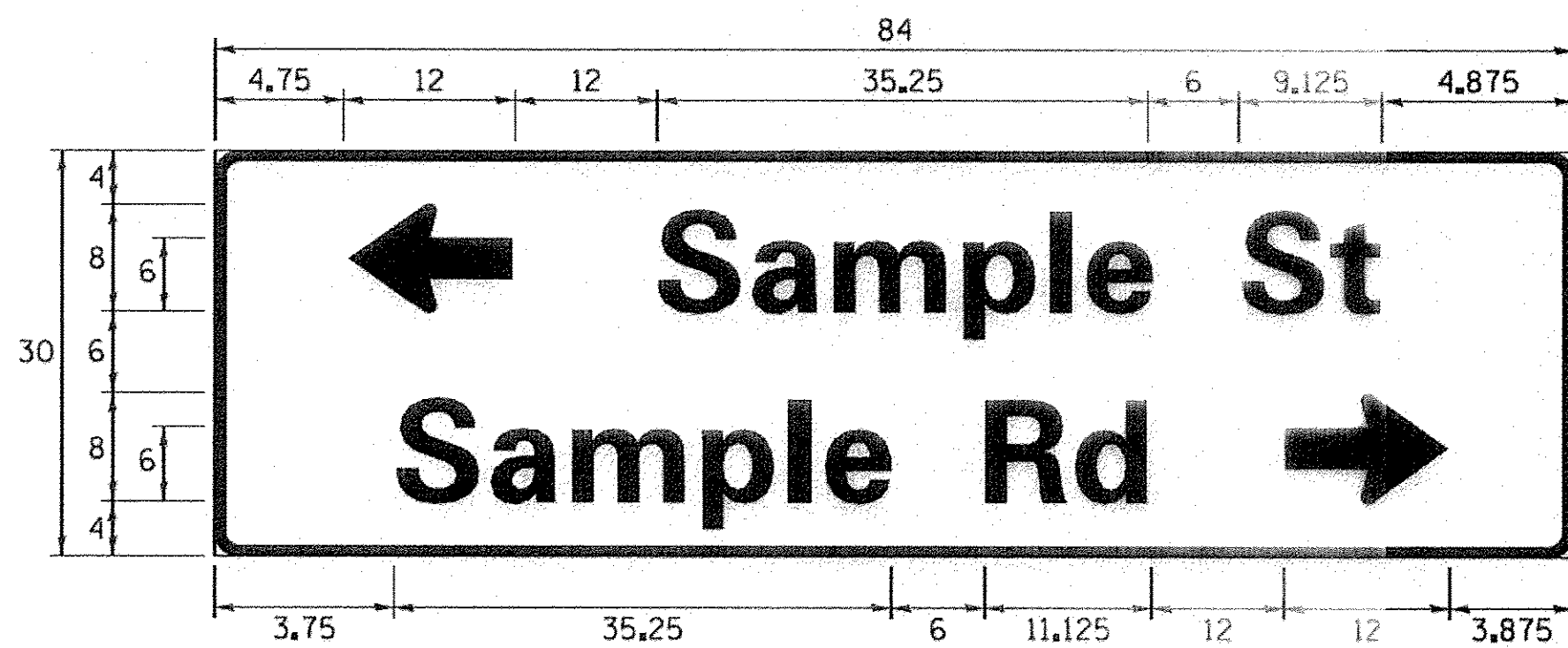
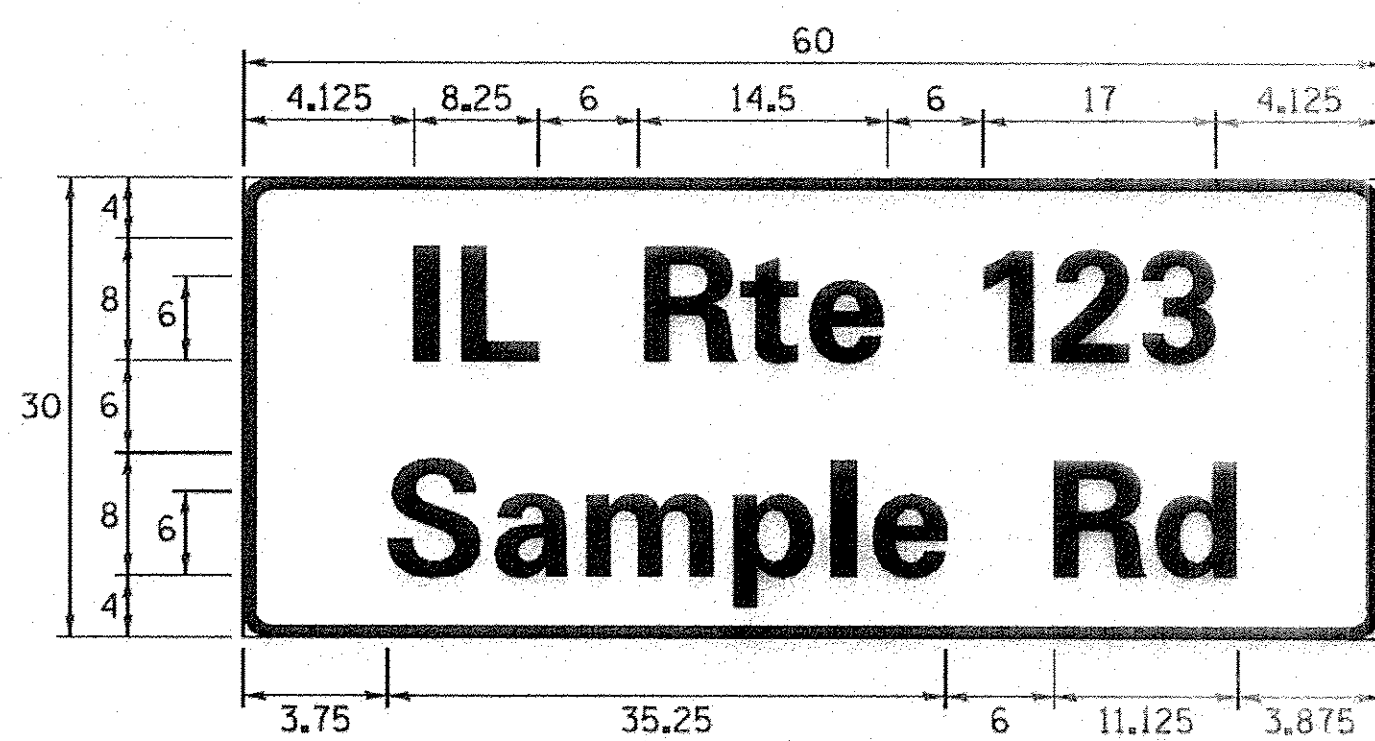
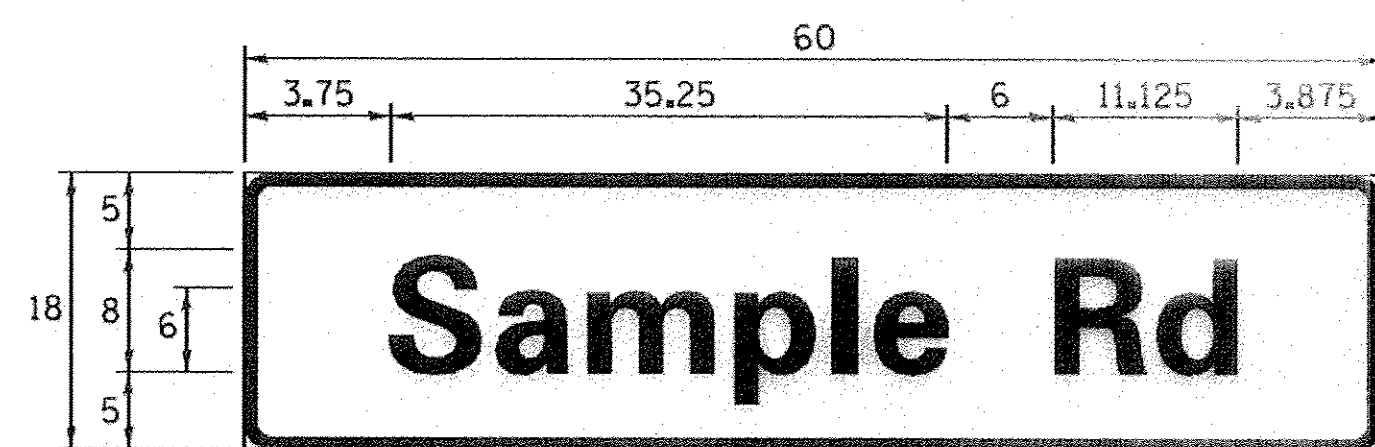
USER NAME = james.push	DESIGNED - JRP	REVISED -
PLOT SCALE = 50,0000' / in.	DRAWN - MRF	REVISED -
PLOT DATE = 1/21/2016	CHECKED - JRP	REVISED -
	DATE - 01/20/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC	
95TH AND PLAINFIELD/NAPERVILLE RD	
SCALE: 1" = 20'	DRAWING NO. 6 OF 6
STA.	TO STA.

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 70
CONTRACT NO. 61A30				ILLINOIS FED. AID PROJECT

SIGN PANEL - TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING).
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
- SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
- BRACKETS SELF TAPPING WITH NEOPRENE WASHER
- CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING PART #HPN034 (UNIVERSAL)

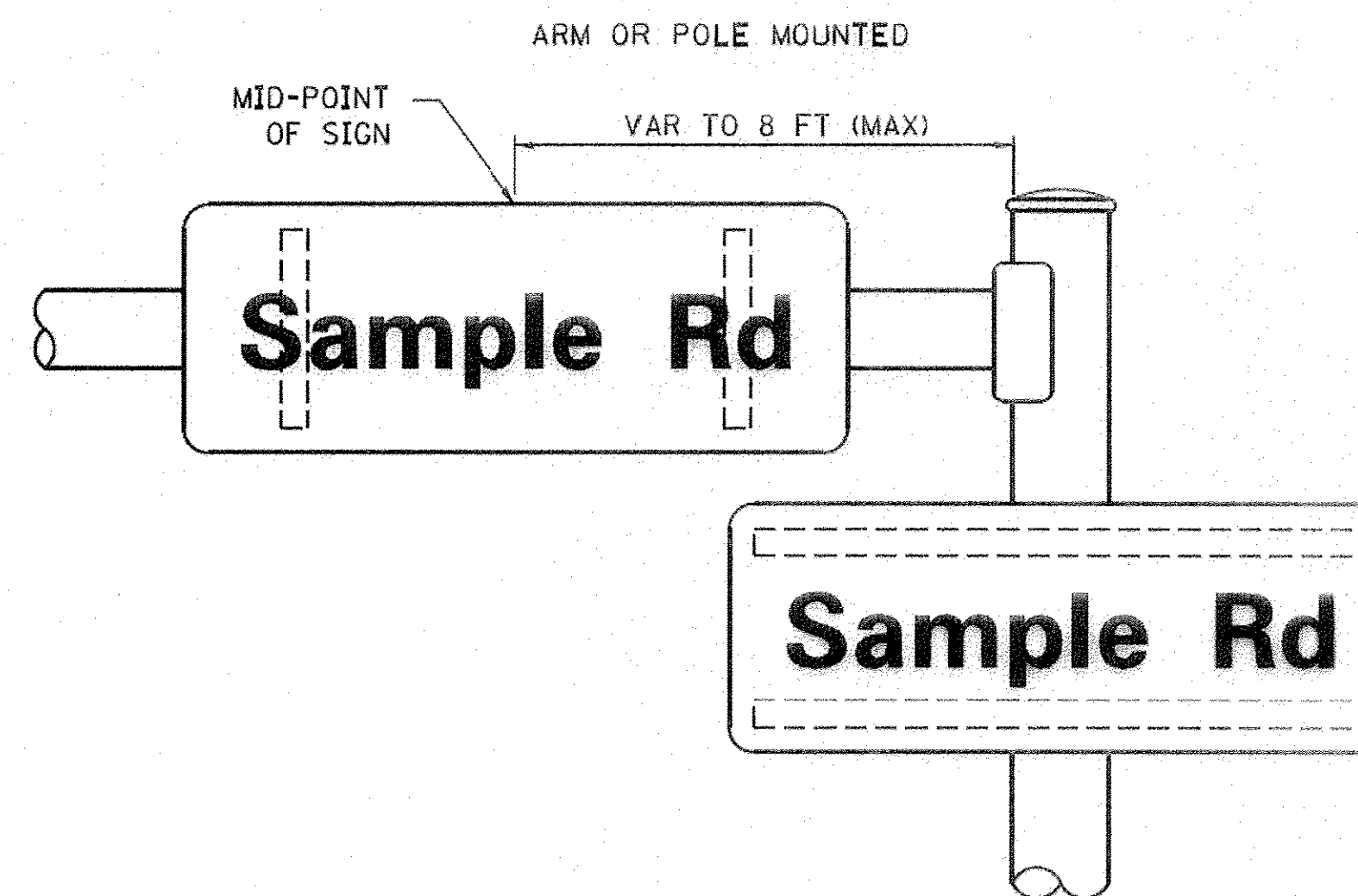
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

STANDARD ALPHABETS SPACING CHART

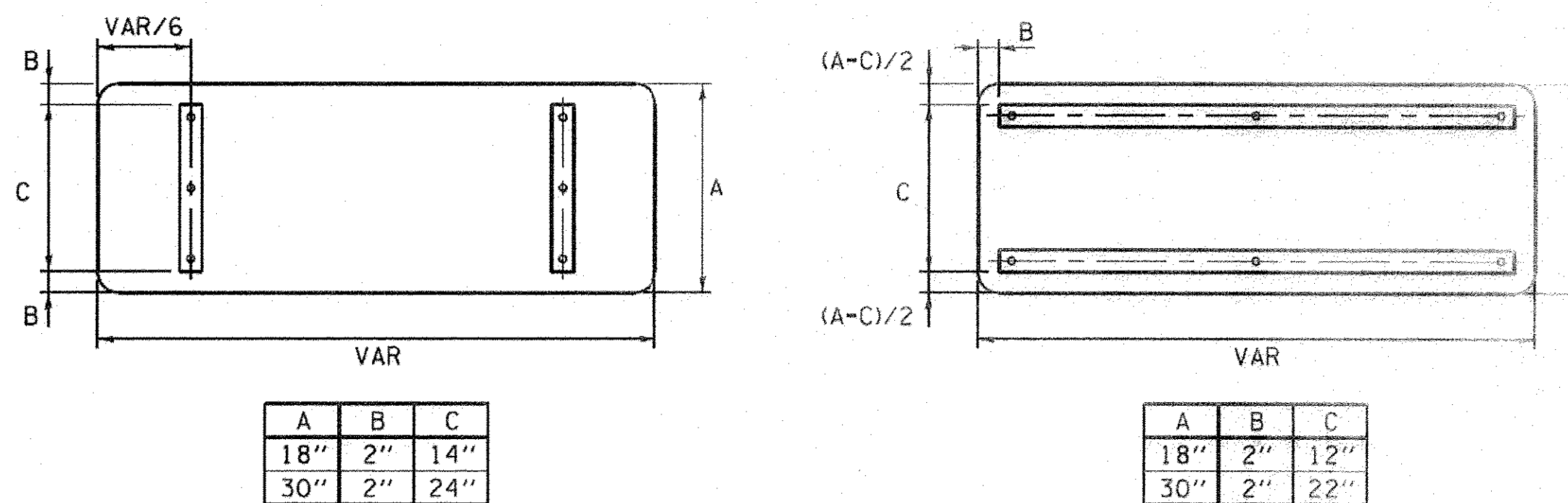
(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

MOUNTING LOCATION



SUPPORTING CHANNELS



TRAFFIC SIGNAL LEGEND

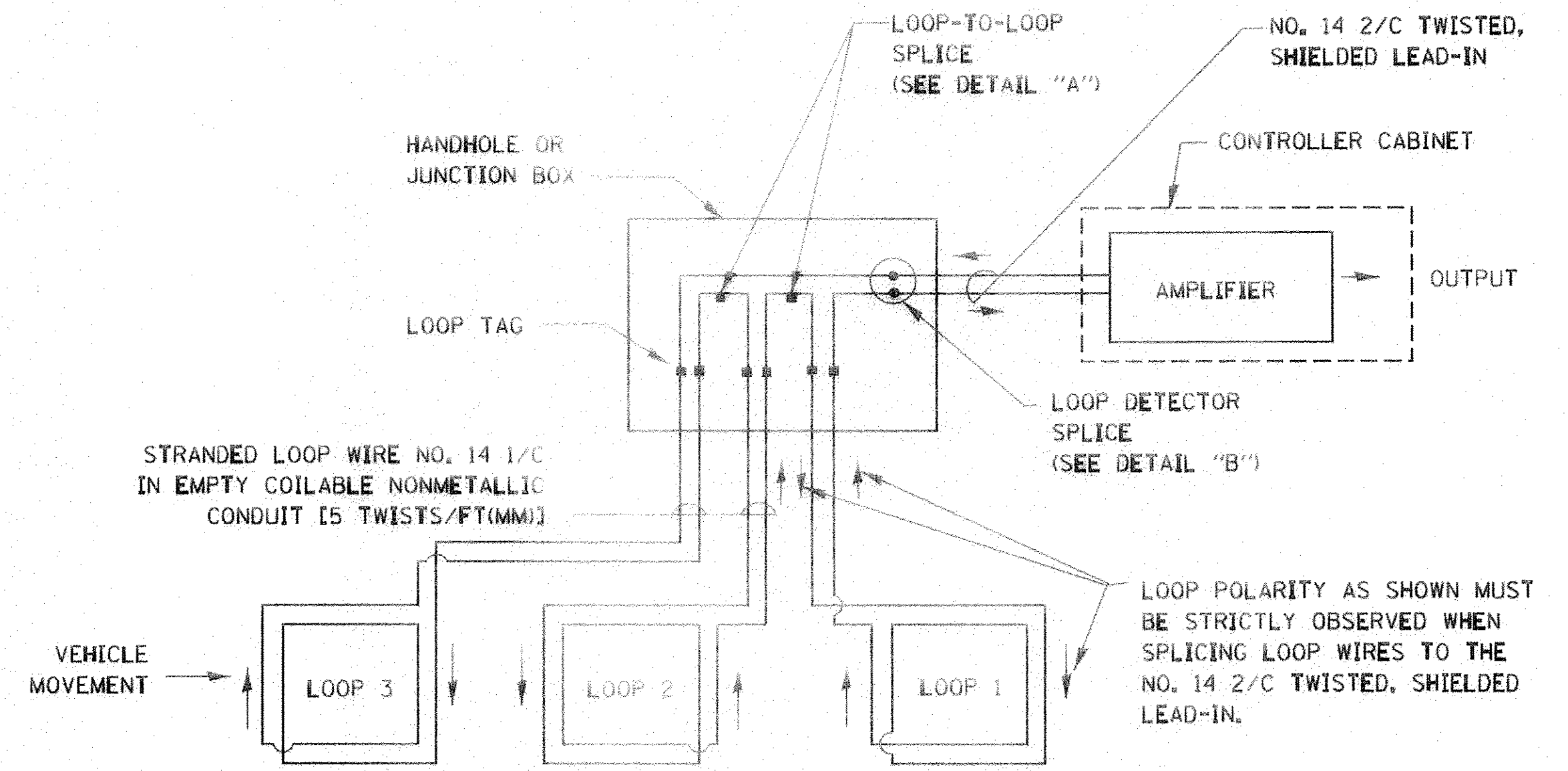
ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F 5M12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F 5M24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F 5M24F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				QUEUE DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED QUEUE DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT							
DETECTOR LOOP, TYPE 1				RADIO REPEATER							
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

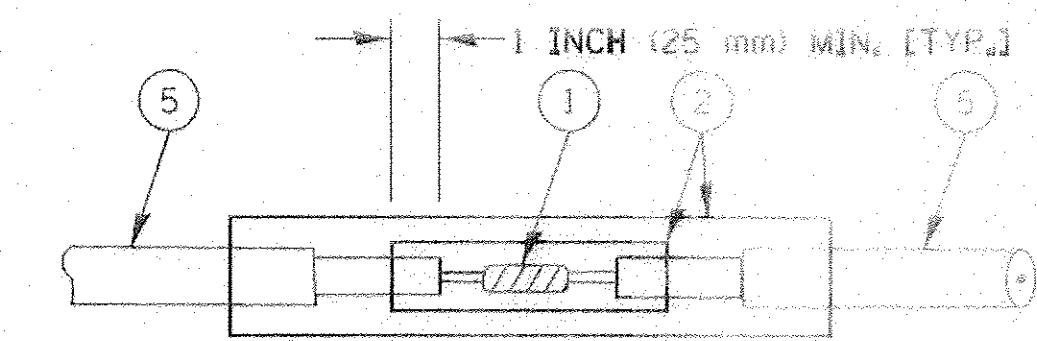
LOOP DETECTOR NOTES

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 DIVESHOLES 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.

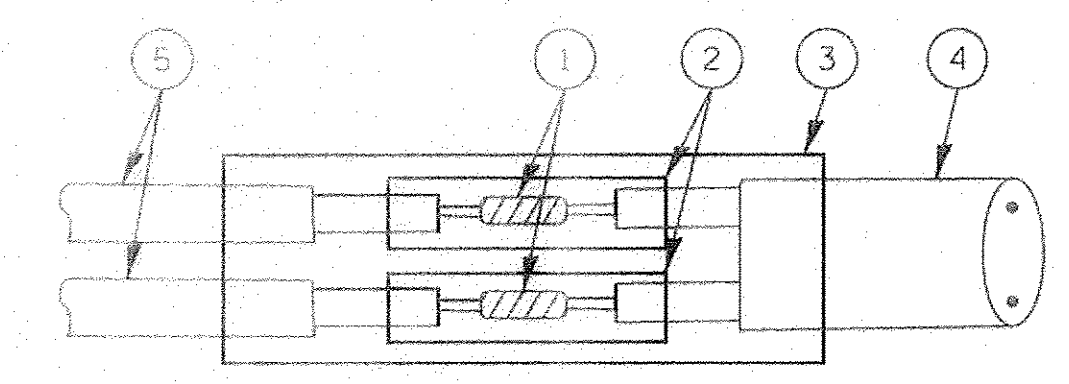


DETECTOR LOOP WIRING SCHEMATIC

- 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.

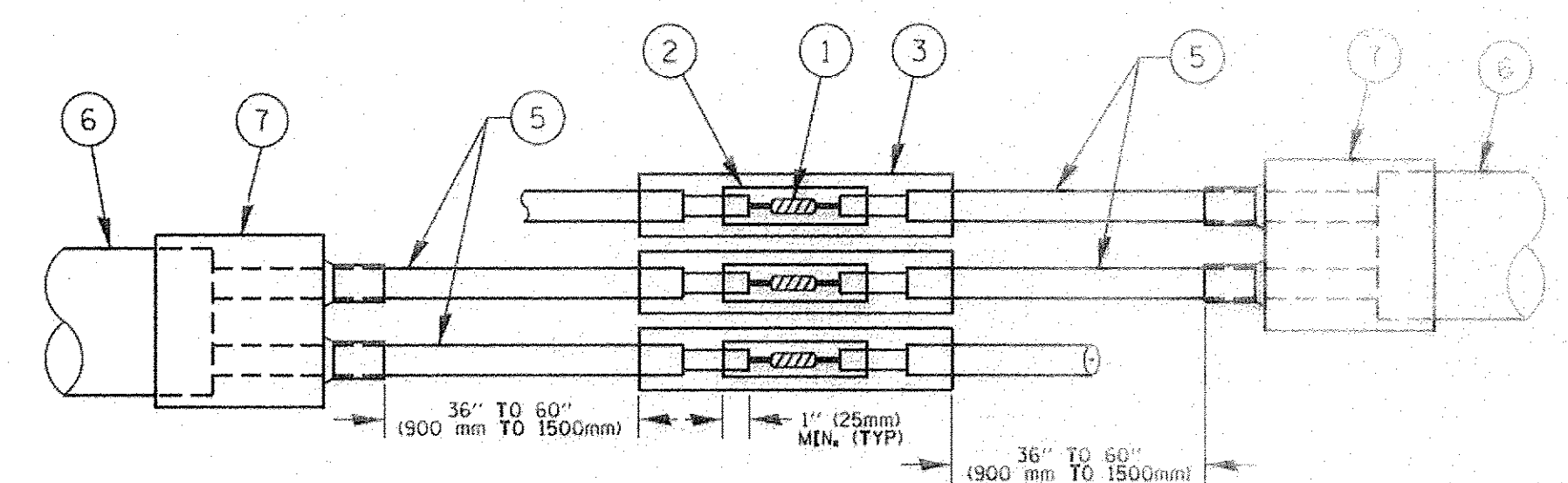


DETAIL "A"
LOOP-TO-LOOP SPLICE

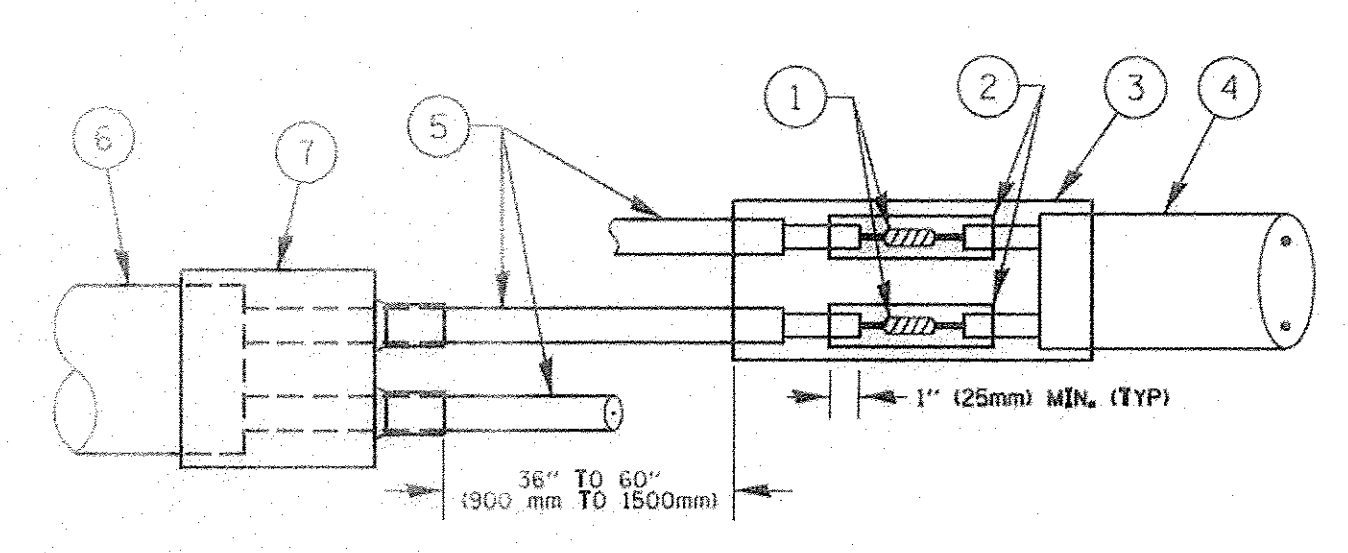


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



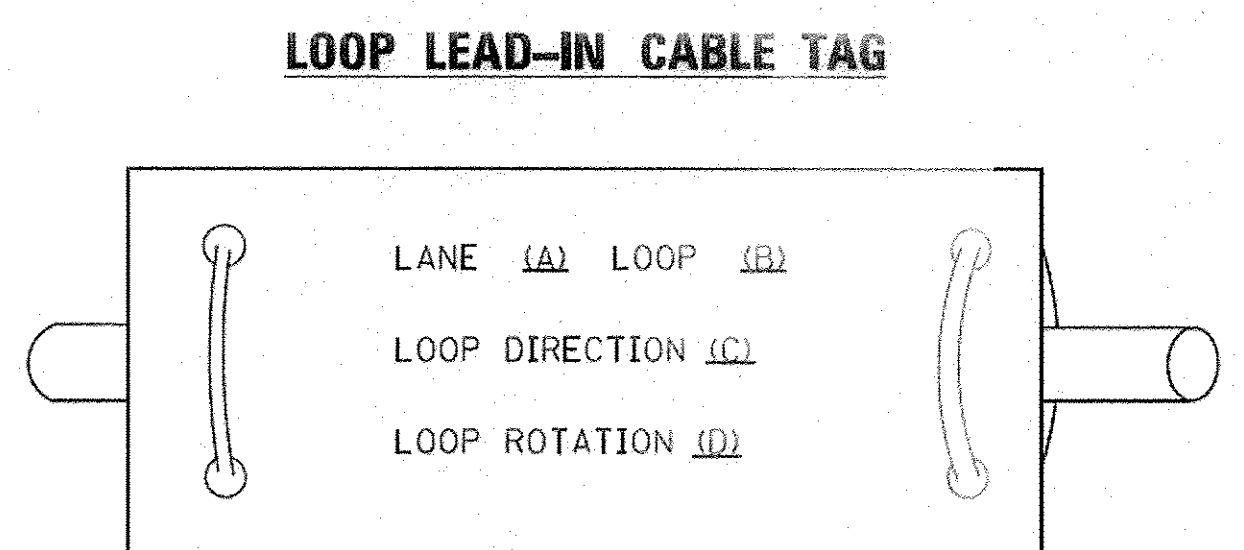
DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

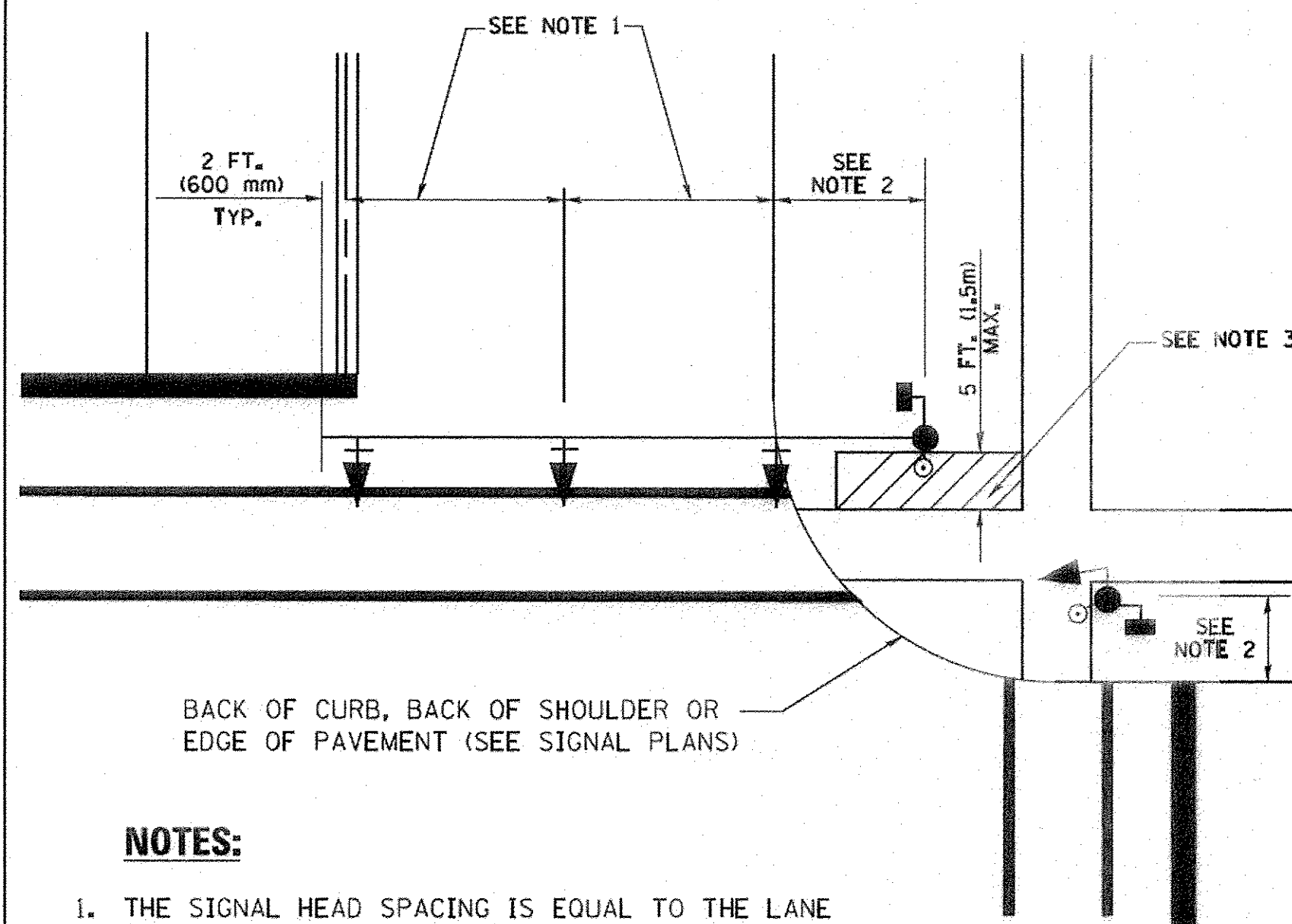


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

- 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 LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PREFORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

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.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 73
ca:\pwwork\pwwork\footemj\d0108315\ts05.dgn	PLOT SCALE = 50.0000' / 1in.	DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 61A30		
	PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE - 10-28-09	REVISED -									

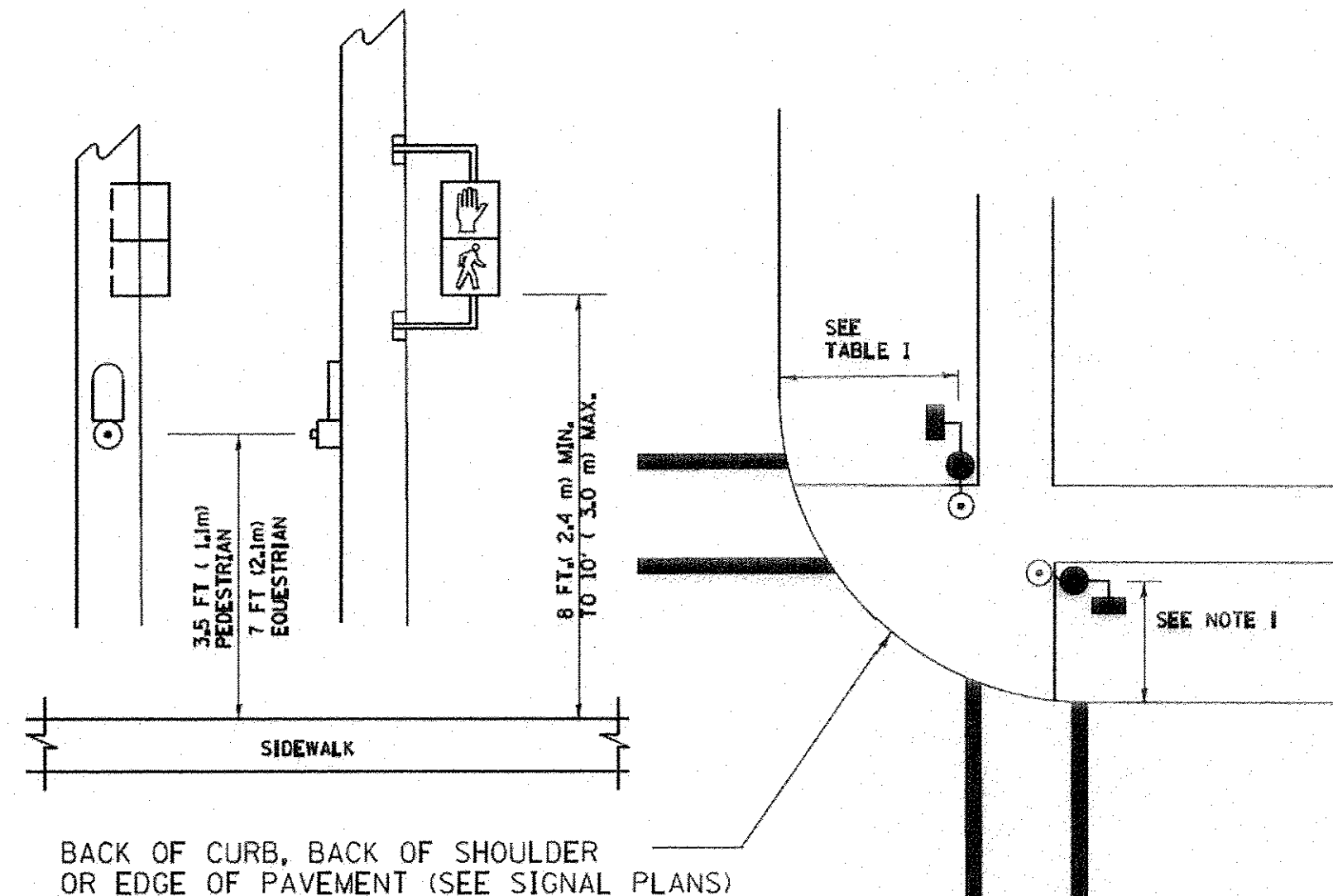
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

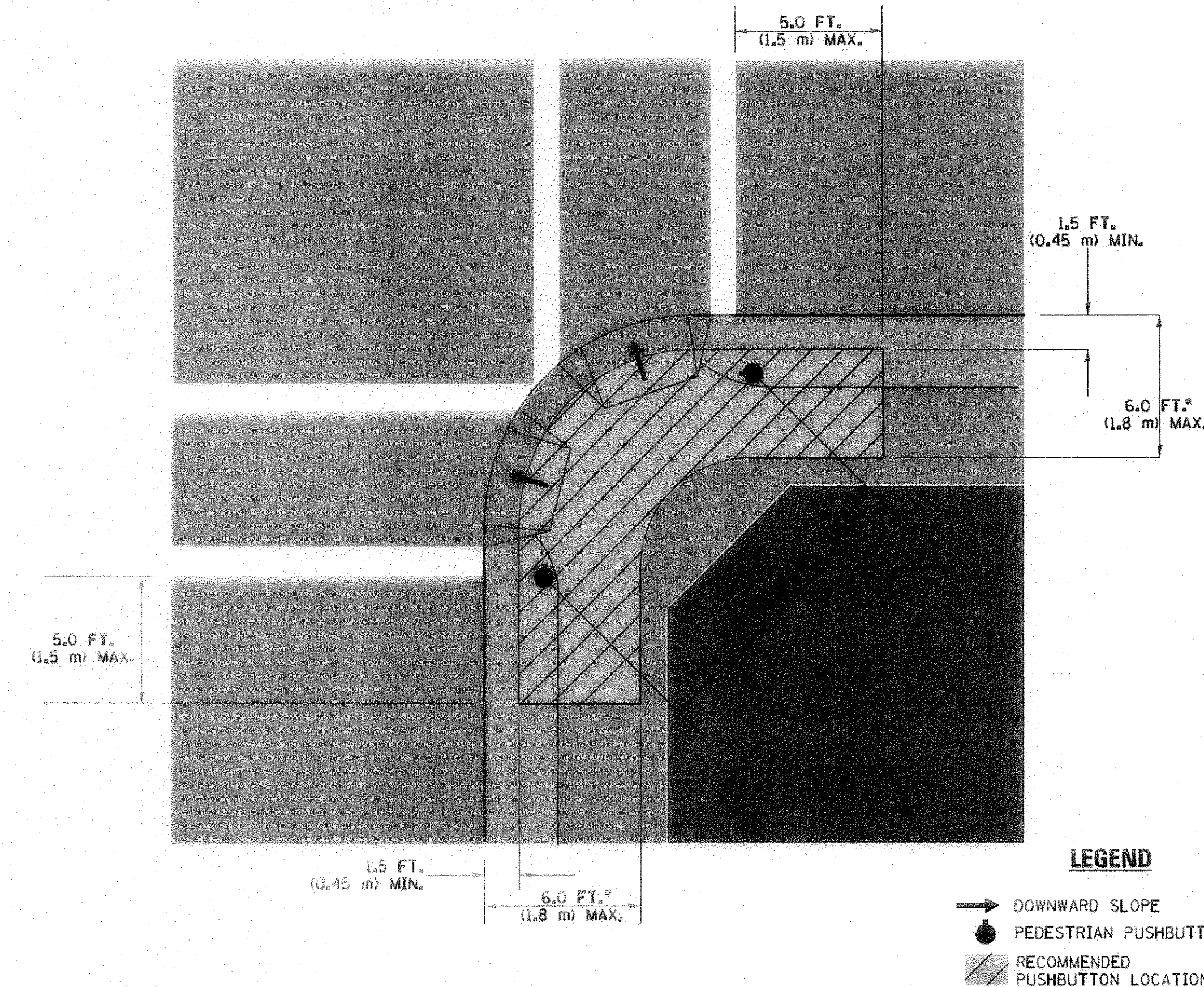
PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST



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



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ◻ 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) SEPARATION 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:

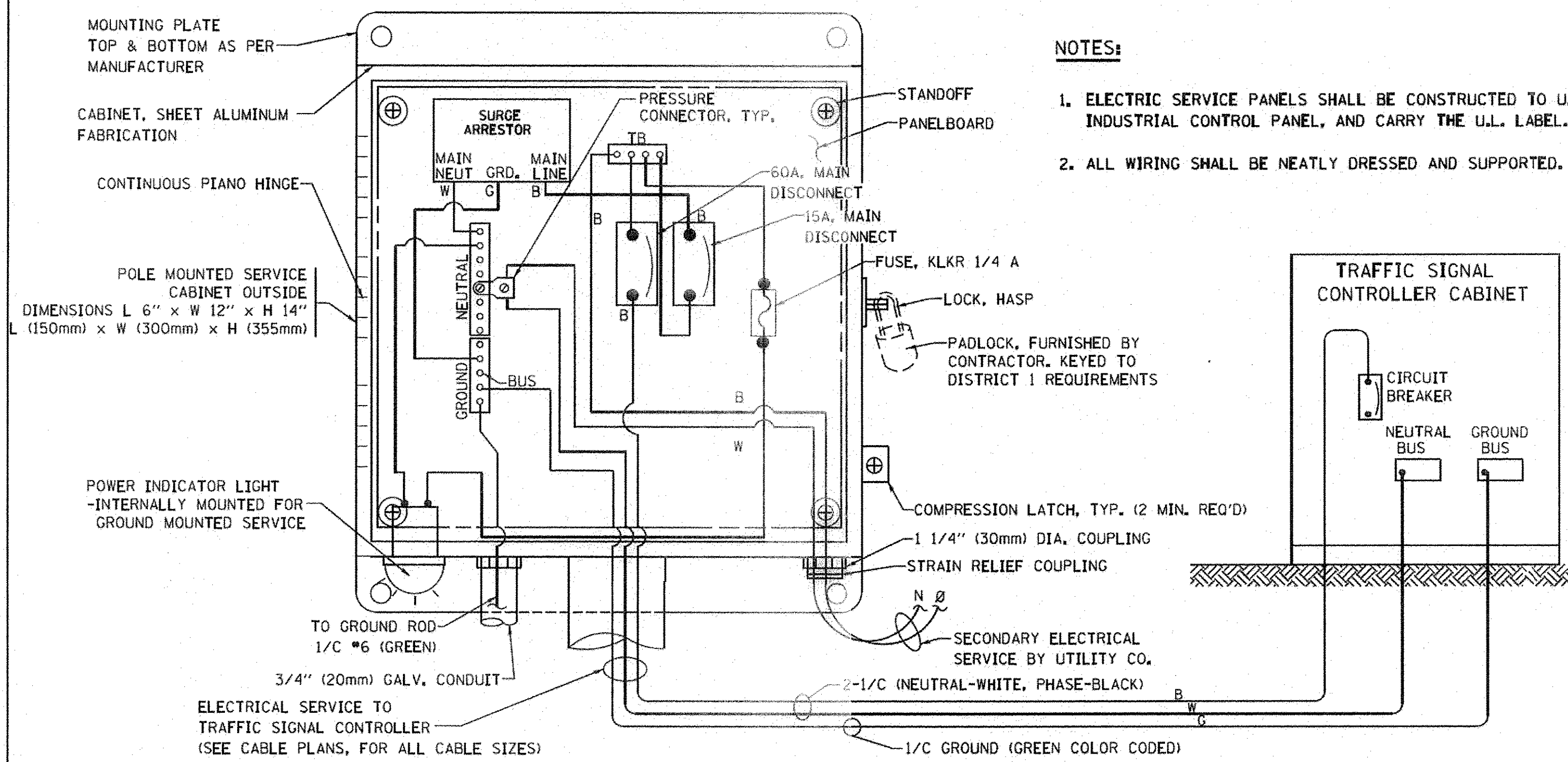
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE 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 =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
as:\pwork\pwork\footem\ad0188315\ts05.dgn		DRAWN - BCK	REVISED -
PLOT SCALE = 50.0000' / 1"		CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014		DATE - 10-28-09	REVISED -

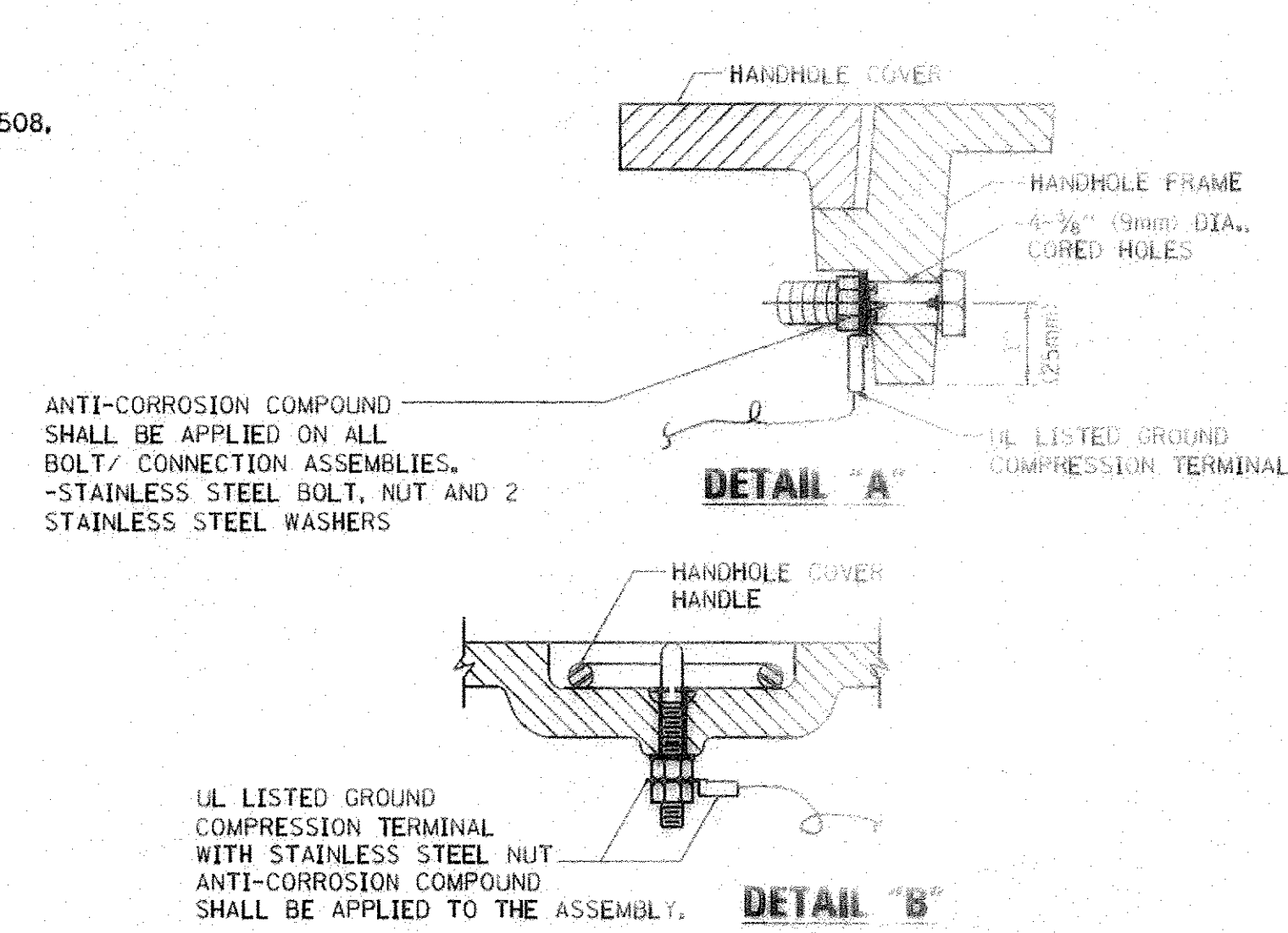
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 3 OF 7 SHEETS STA. TO STA.

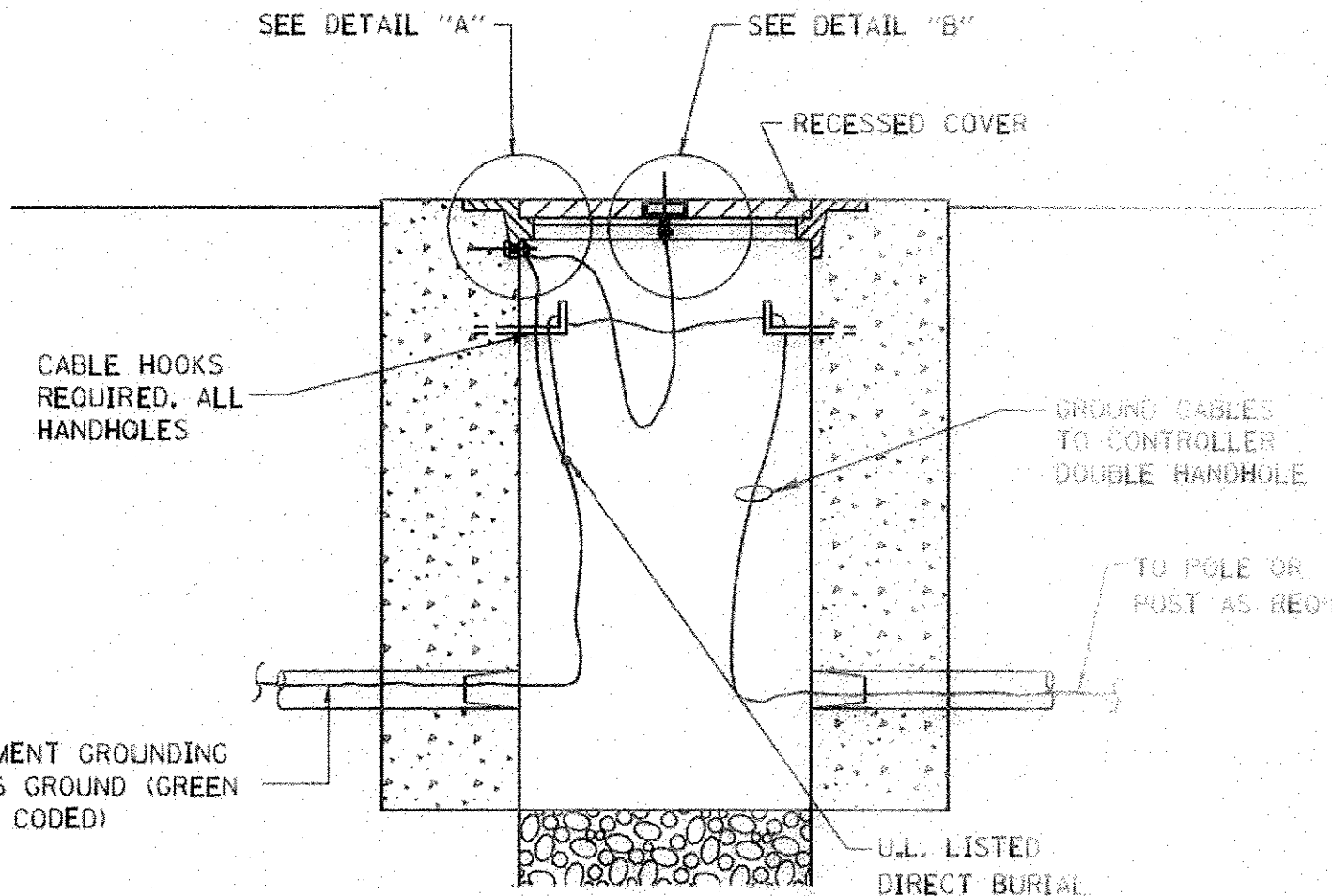
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	74
TS-05			CONTRACT NO. 61A30	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



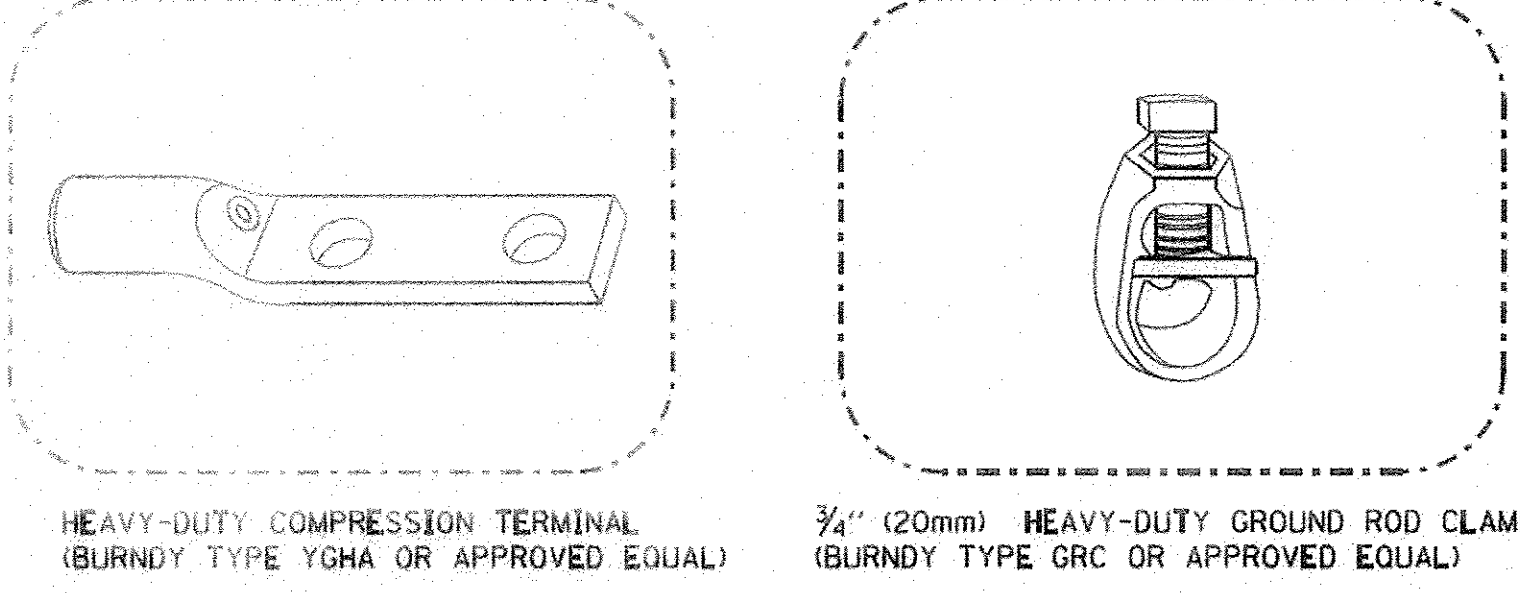
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)



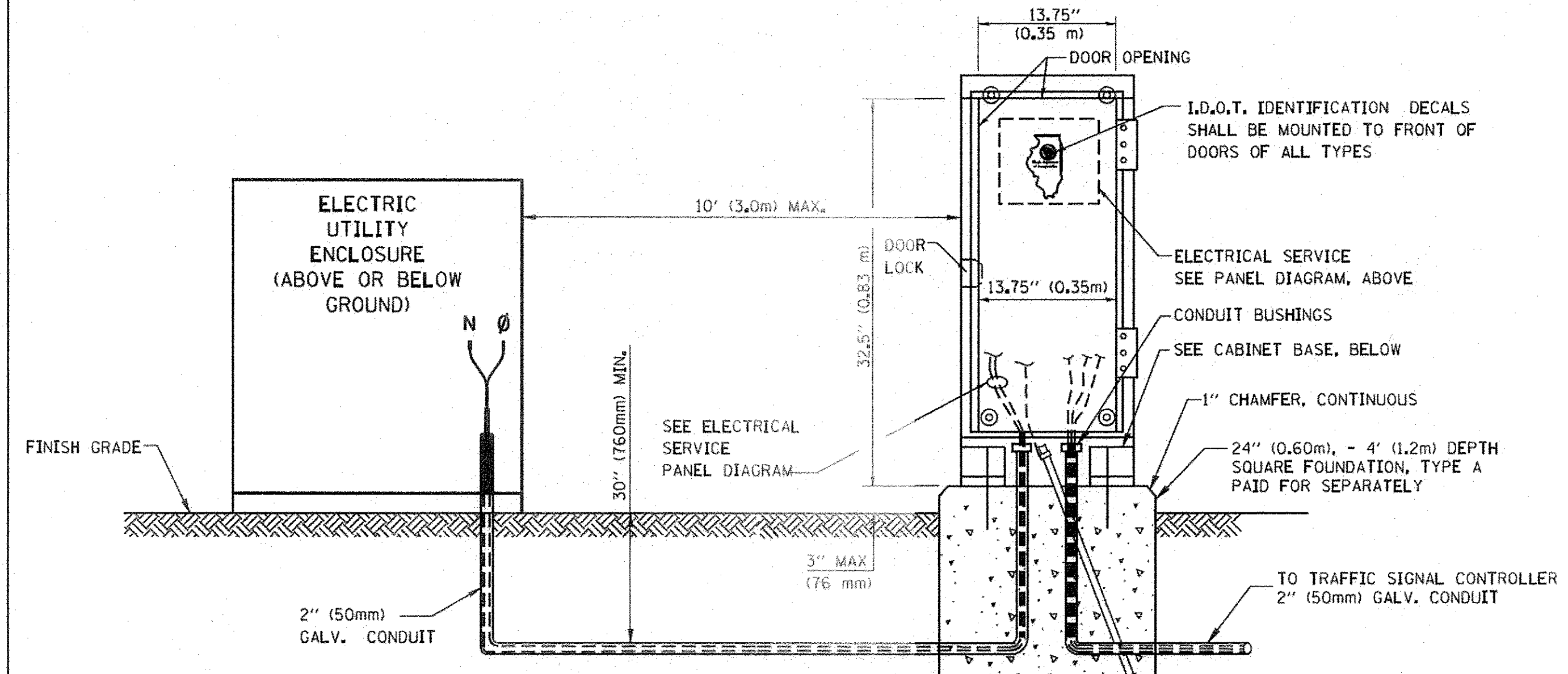
- NOTES:**
- GROUNDING SYSTEM**
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.), GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD, ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
 2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
 3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
 4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



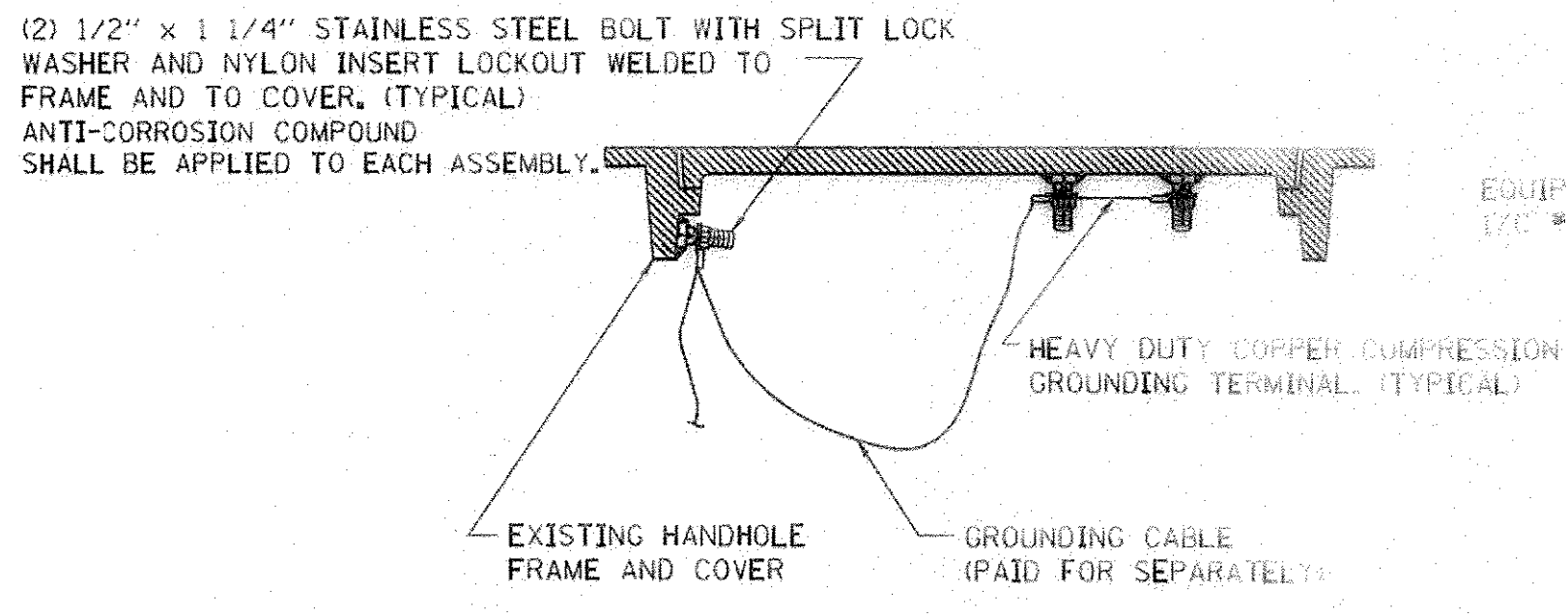
HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



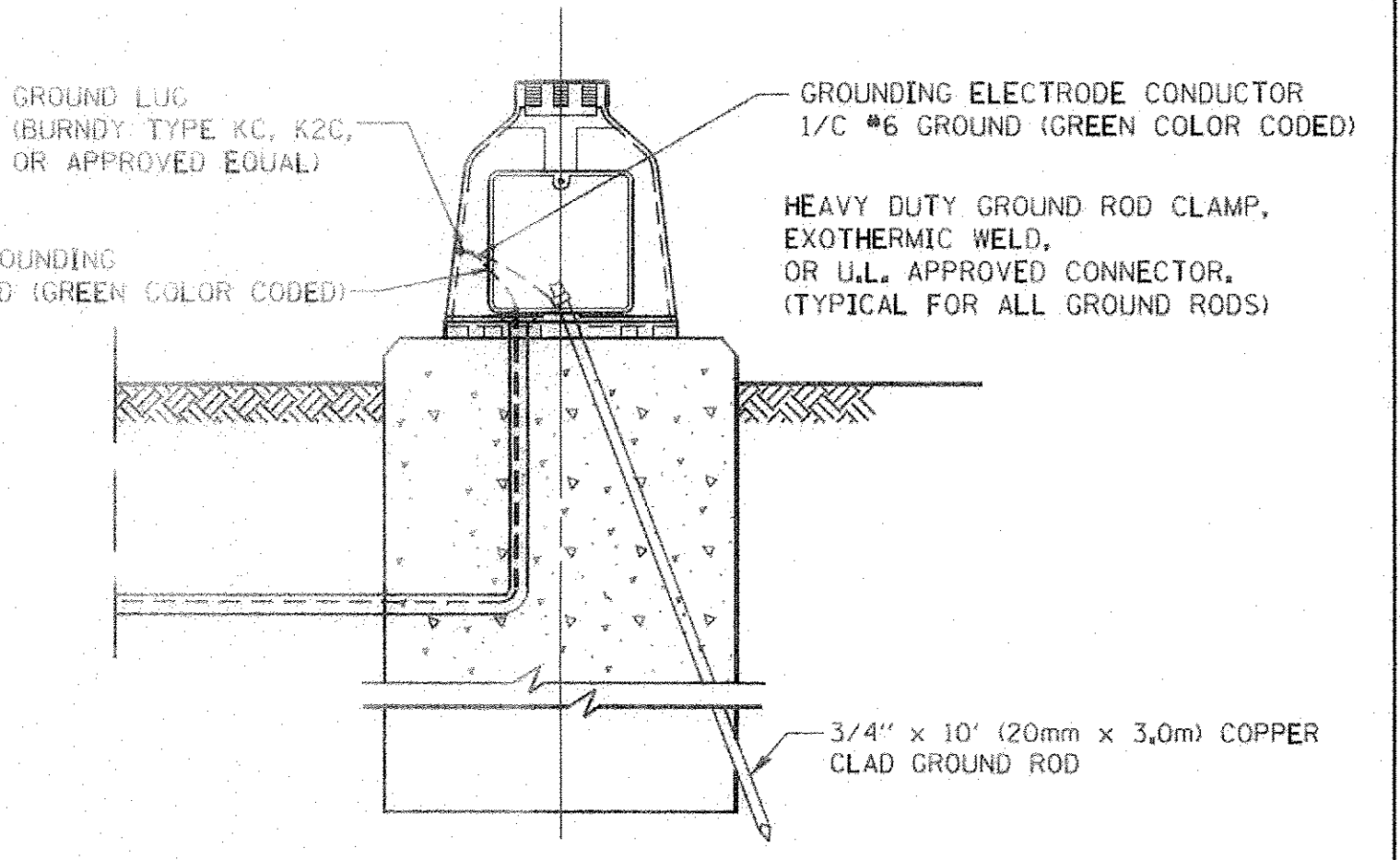
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

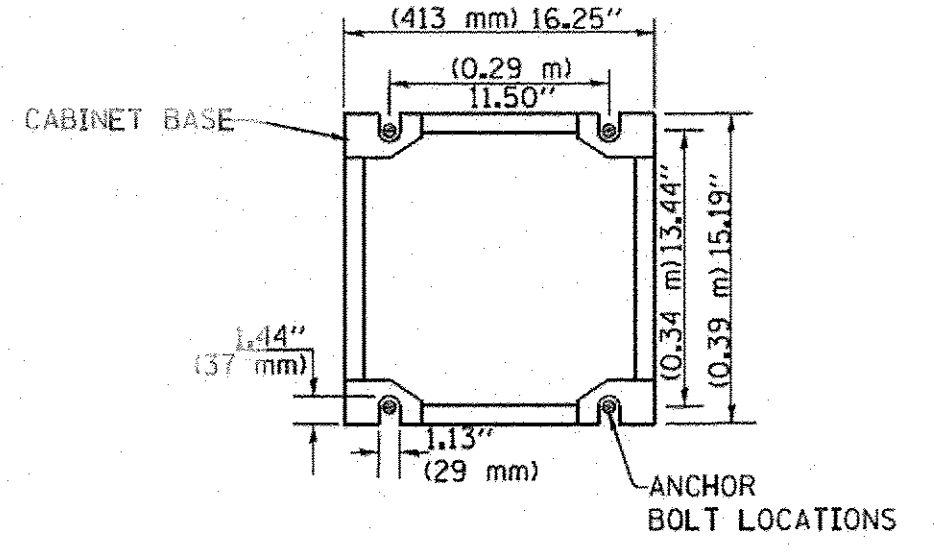


EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



MAST ARM POLE / POST - GROUNDING DETAIL (NOT TO SCALE)

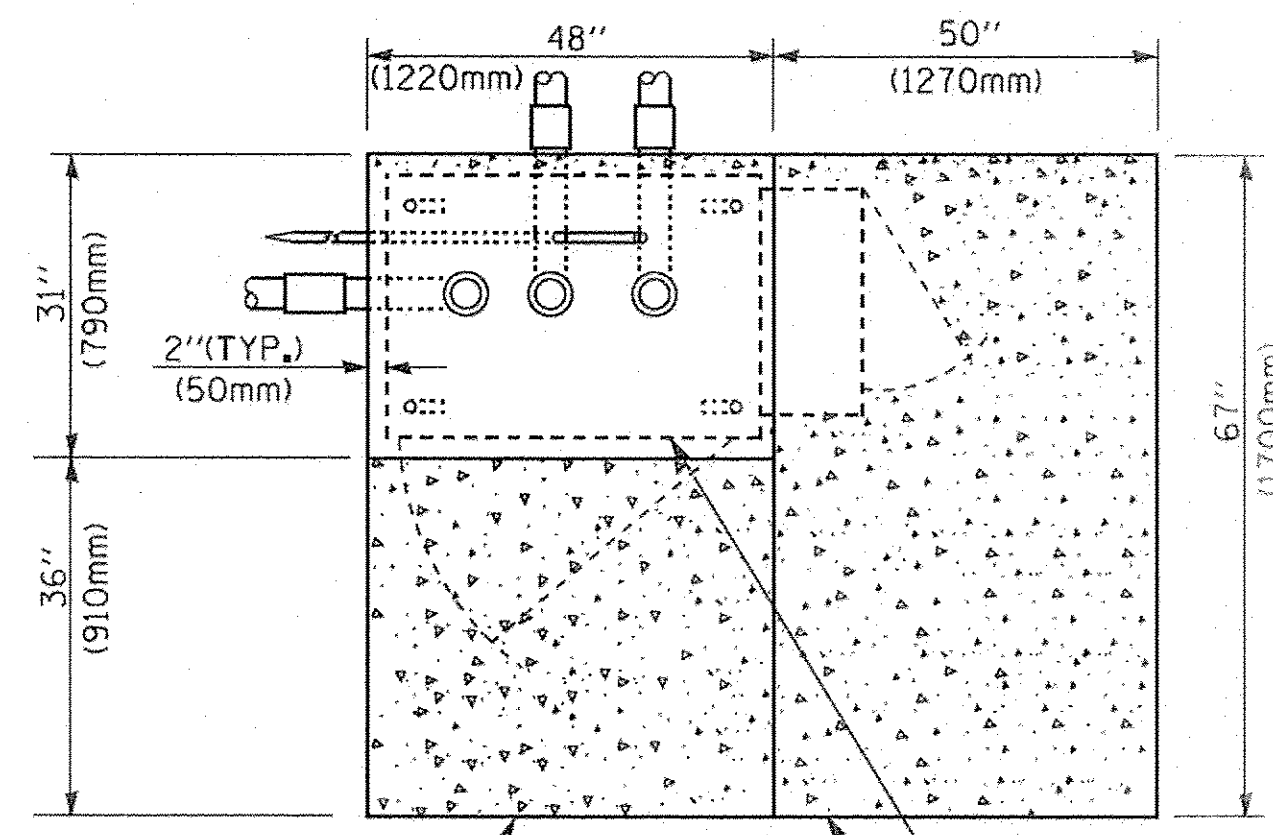
CABINET - BASE BOLT PATTERN (NOT TO SCALE)



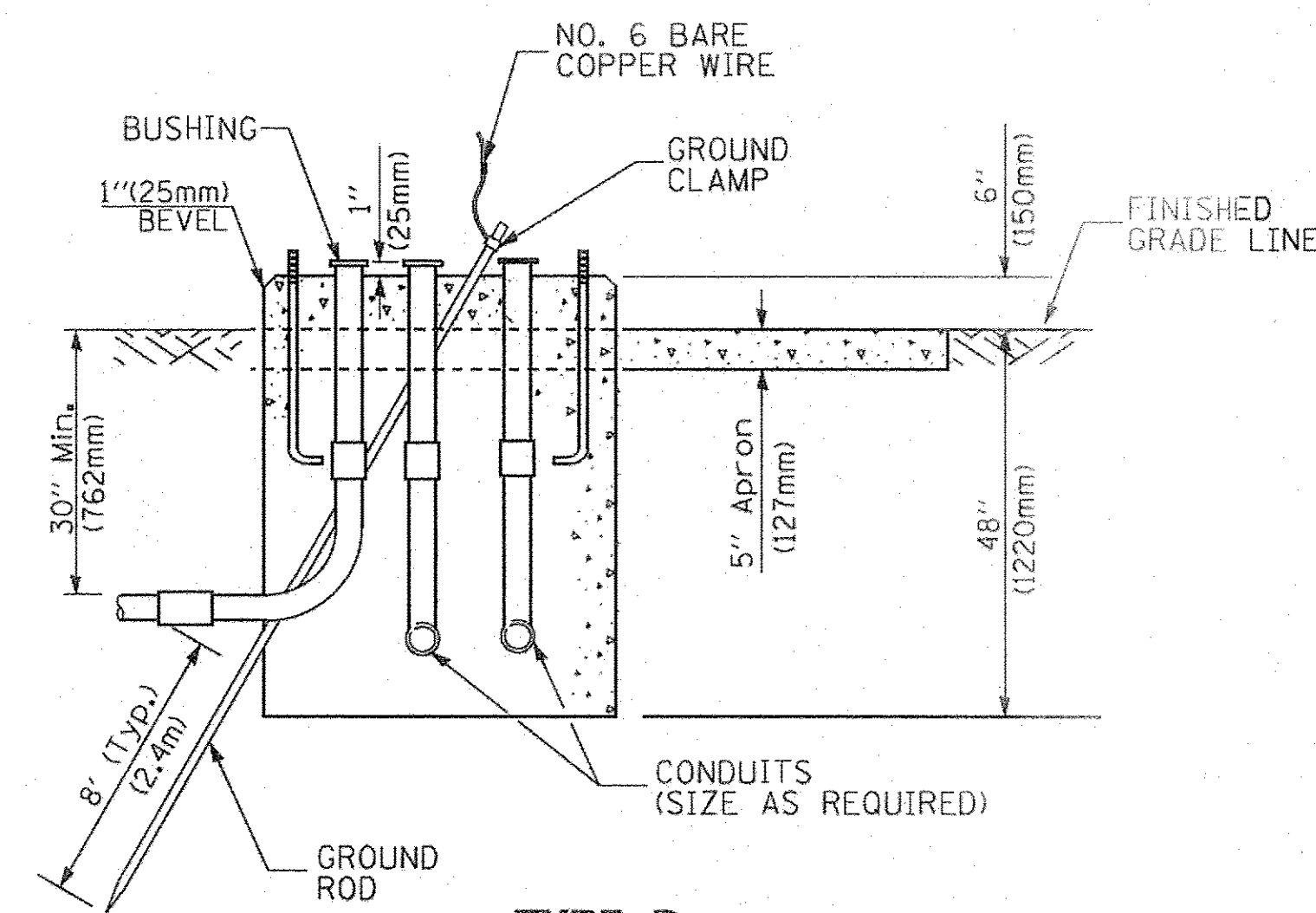
FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ce:\pw_work\pwsdot\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

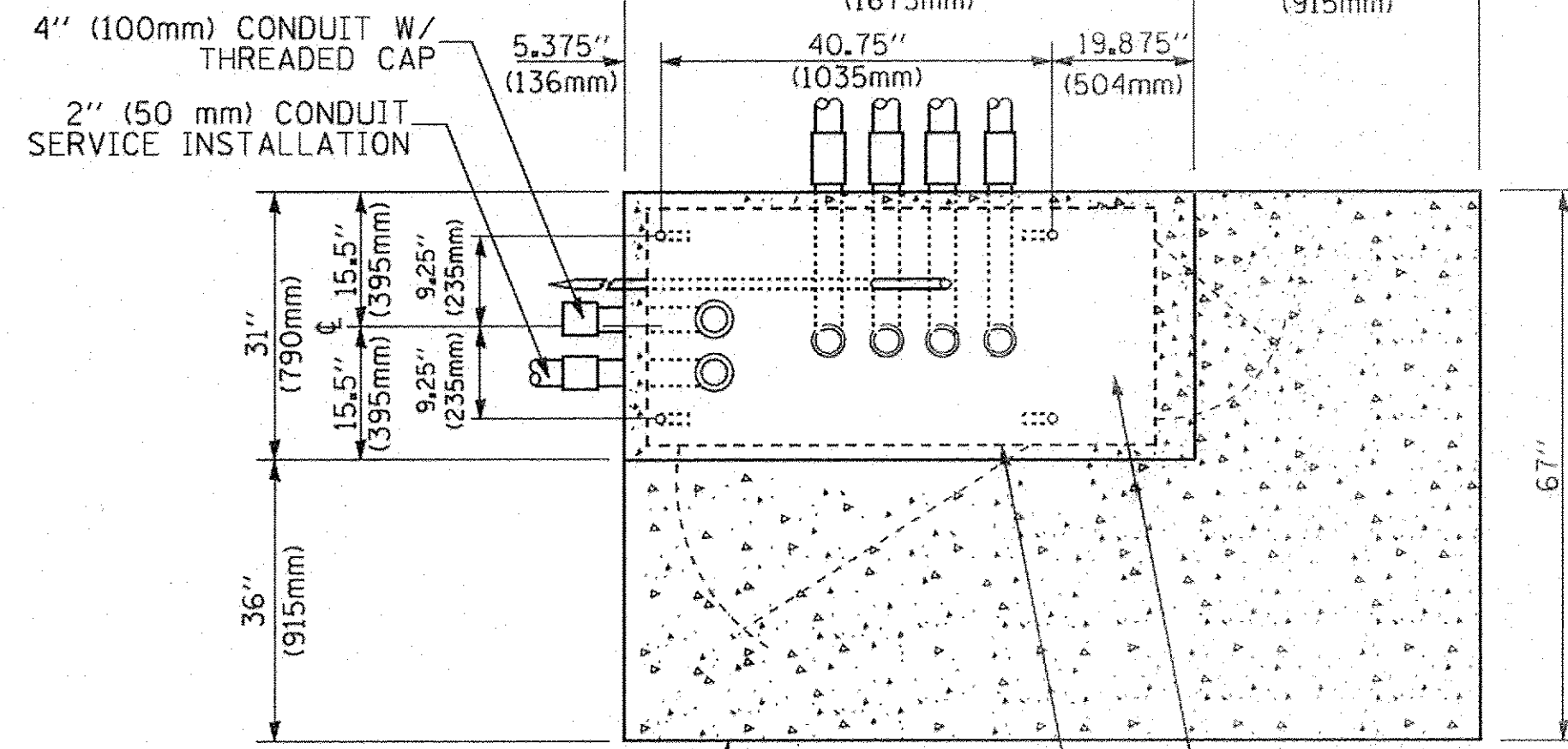
DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		1644	12-00181-01-FP	WILL	179	75
SCALE: NONE		TS-05		CONTRACT NO. 61A30		
SHEET NO. 4 OF 7 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW

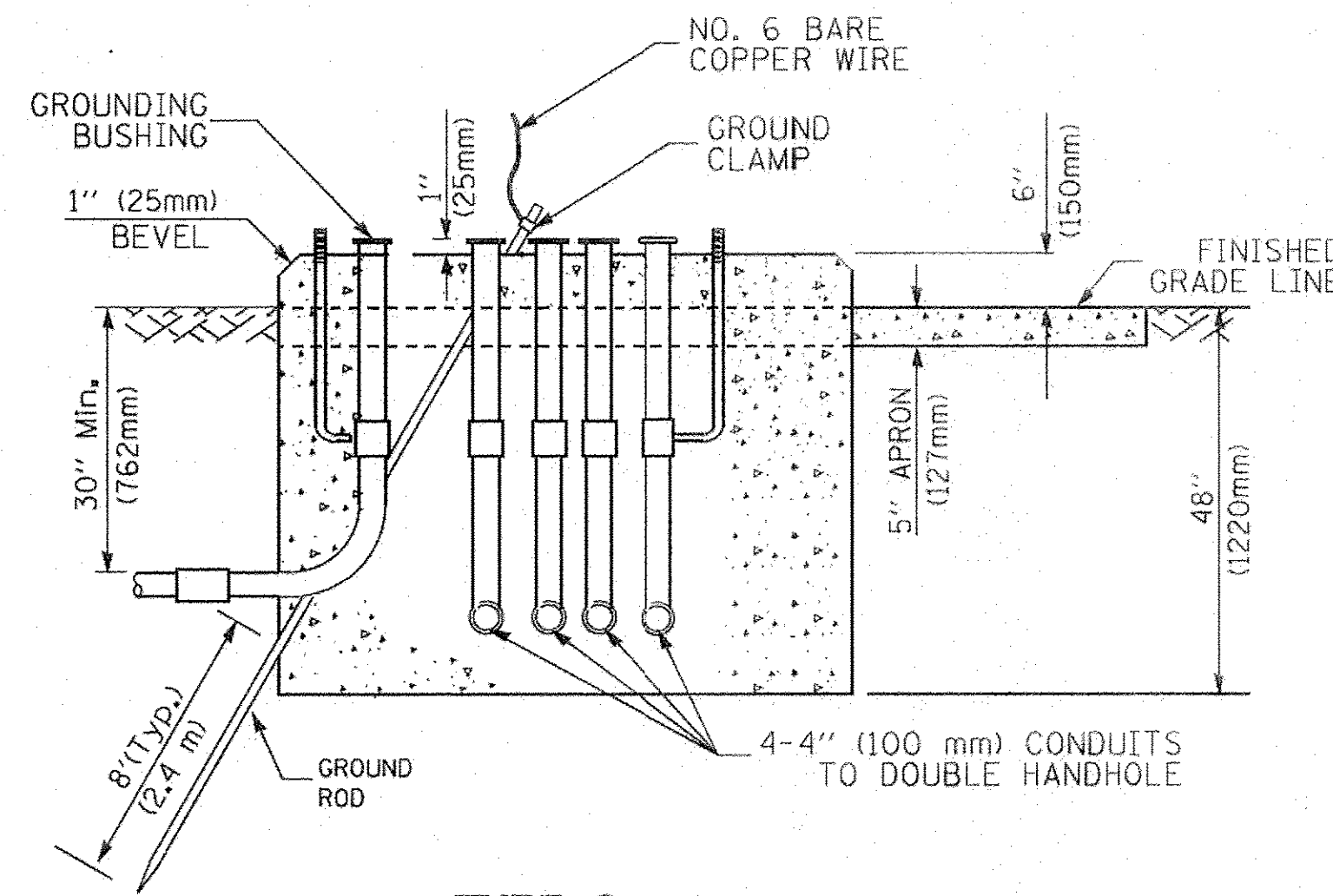


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

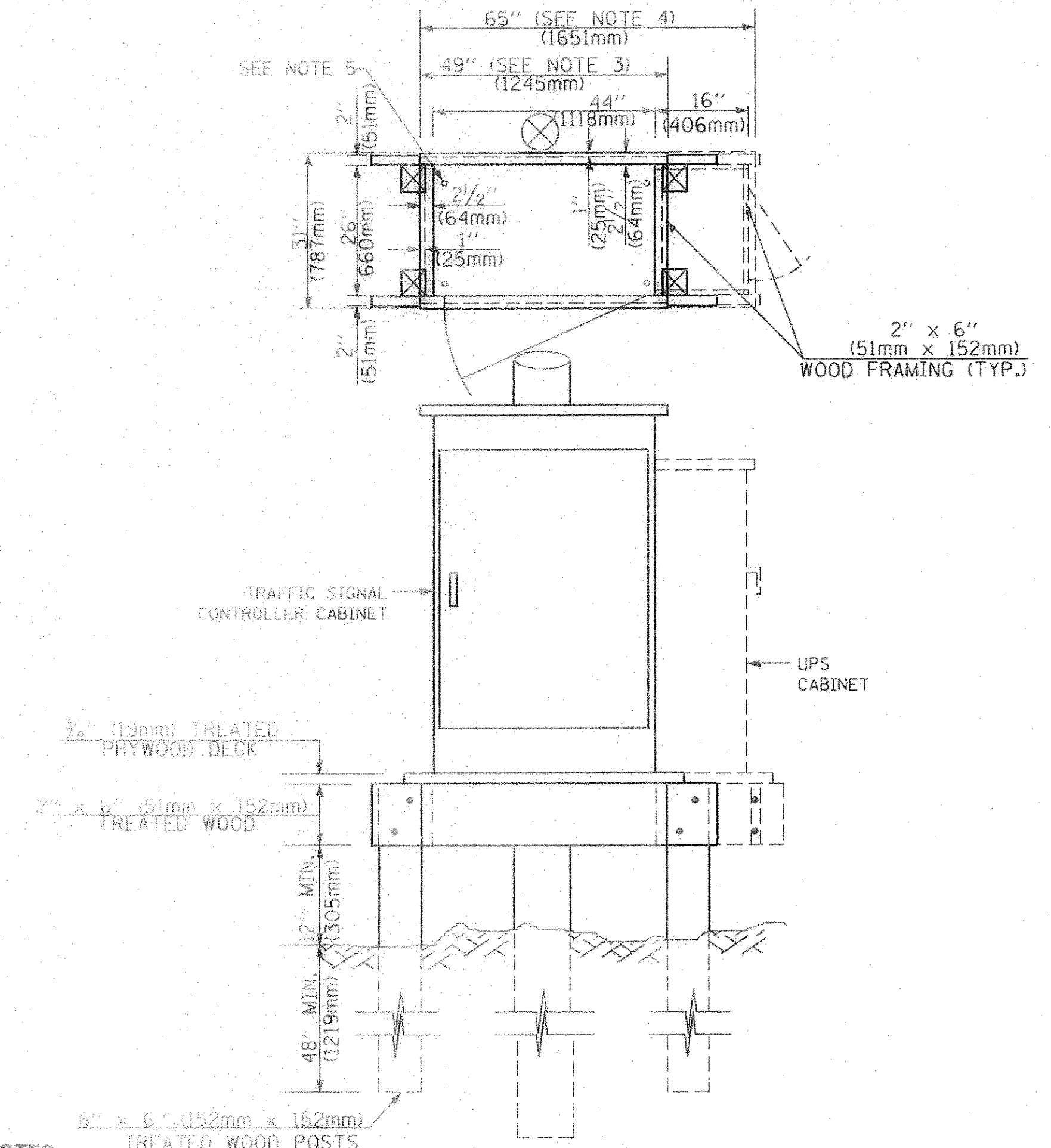


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



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.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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)

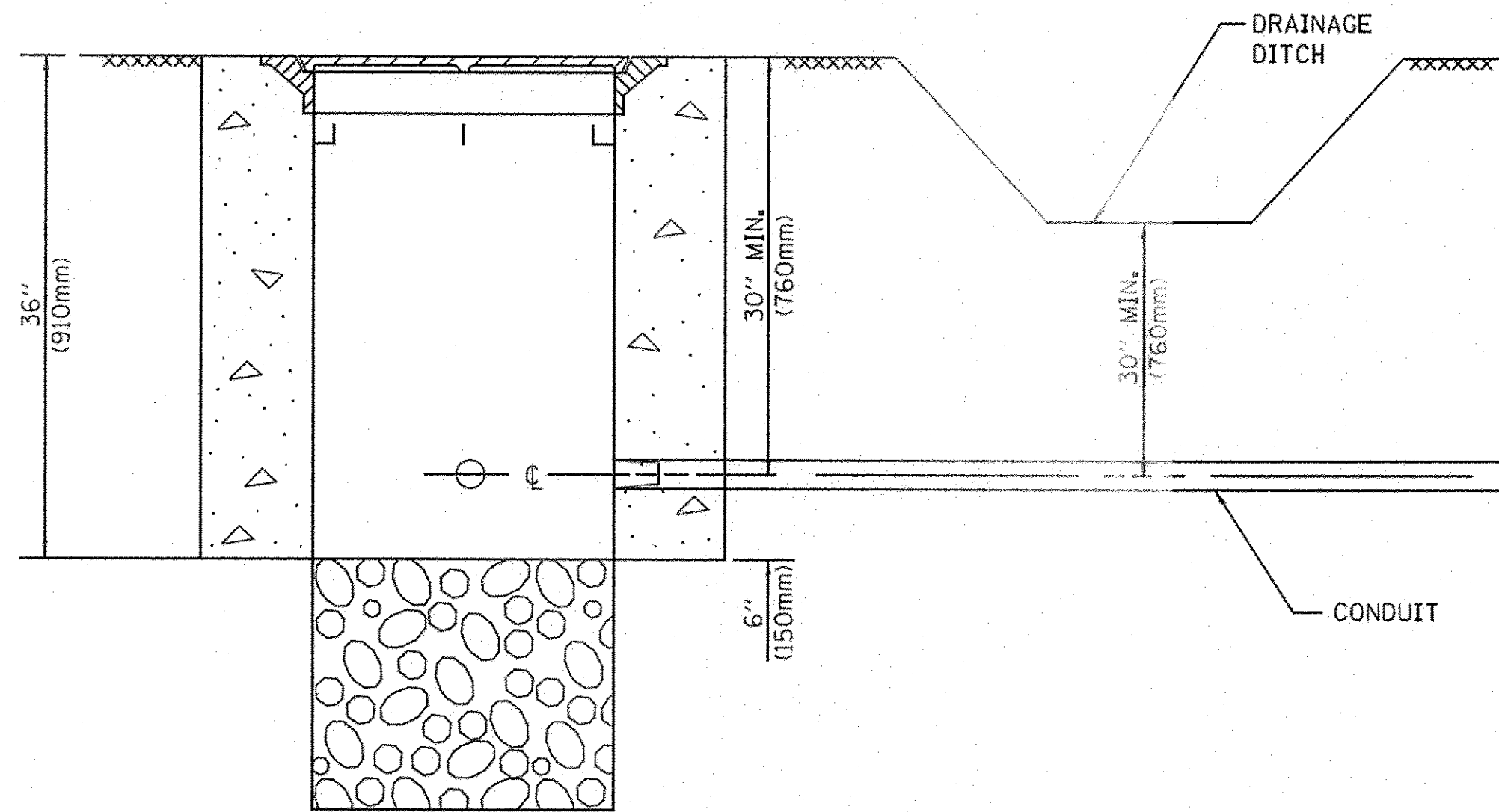
DEPTH OF FOUNDATION

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)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 100' (30.5 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.

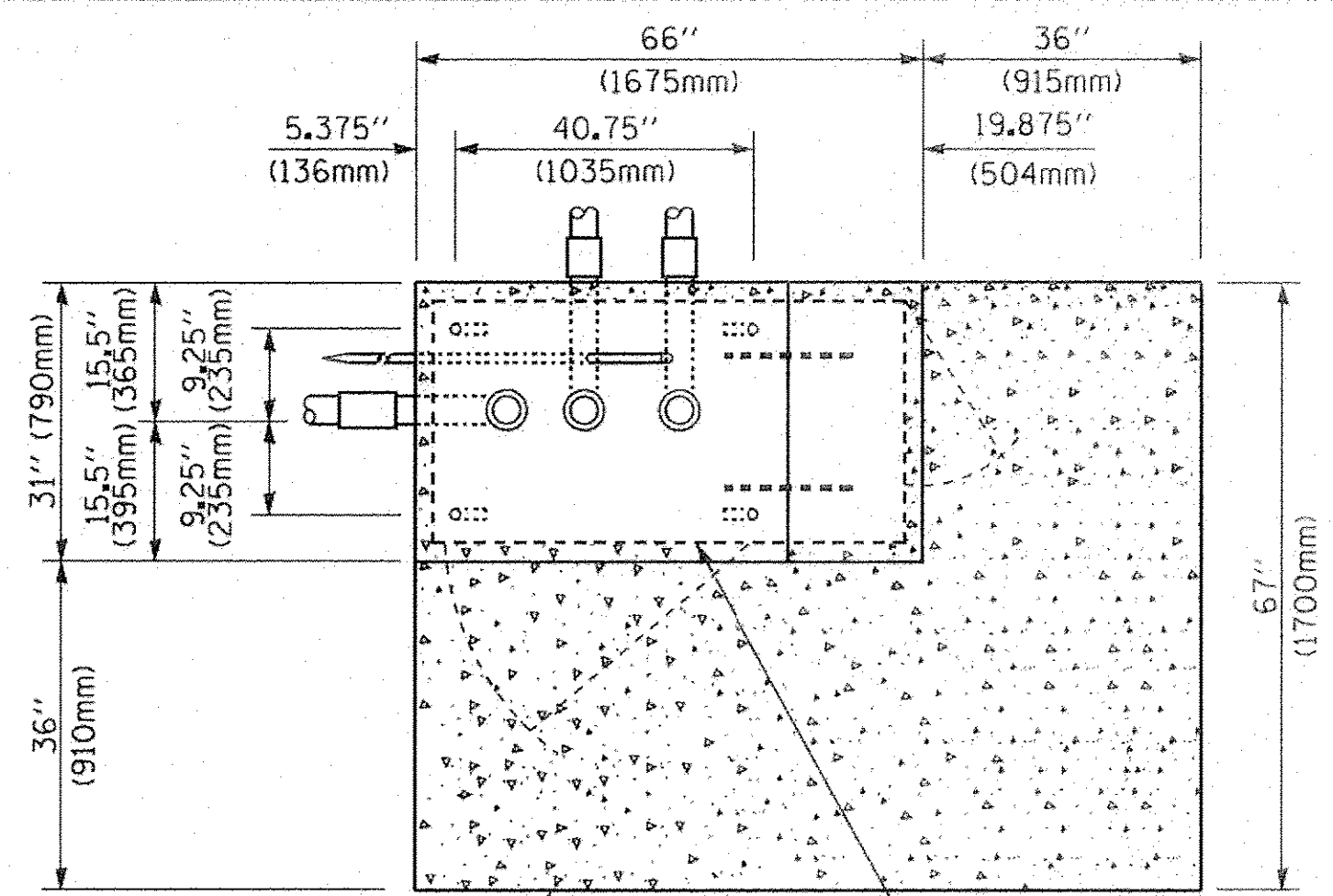
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



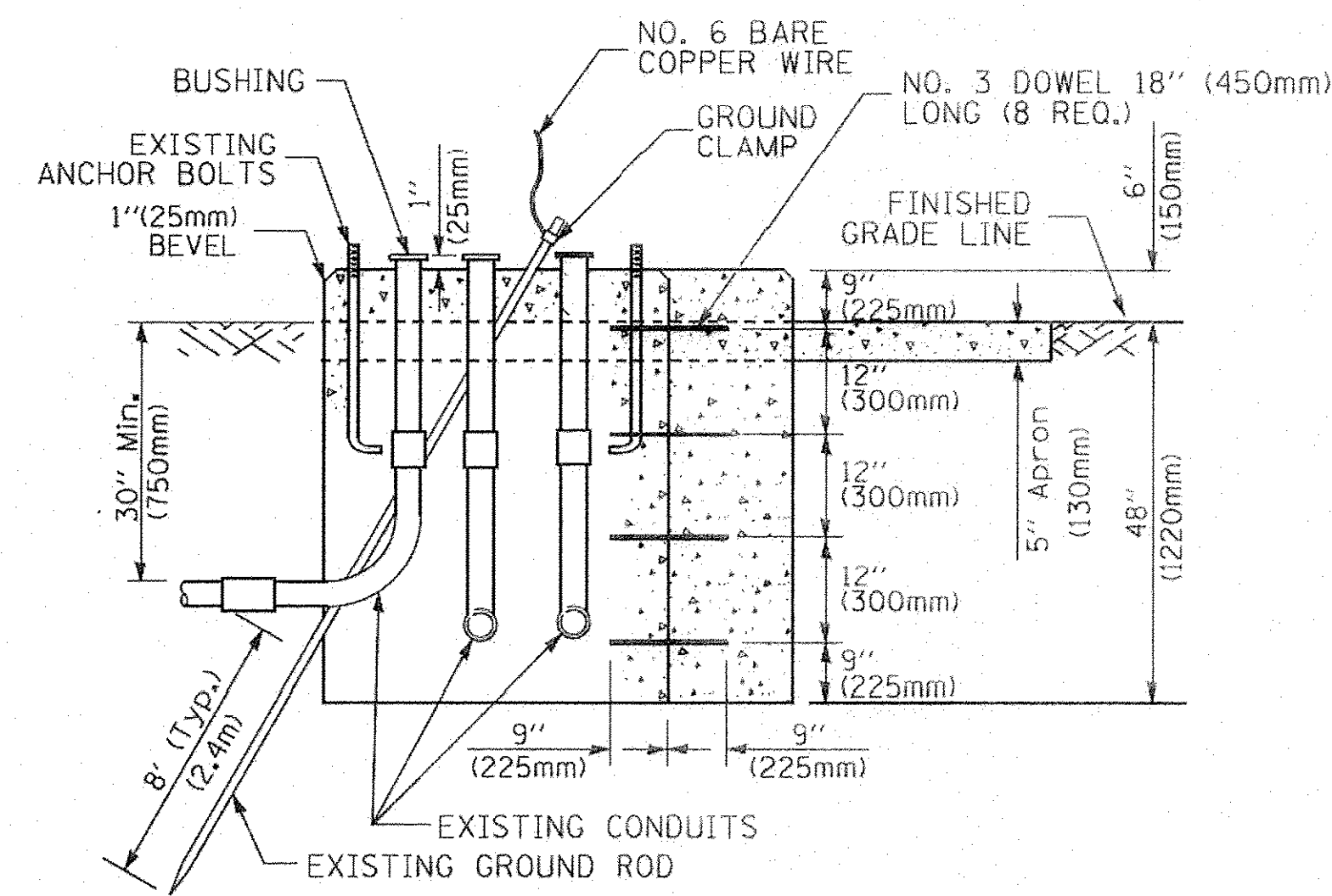
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)

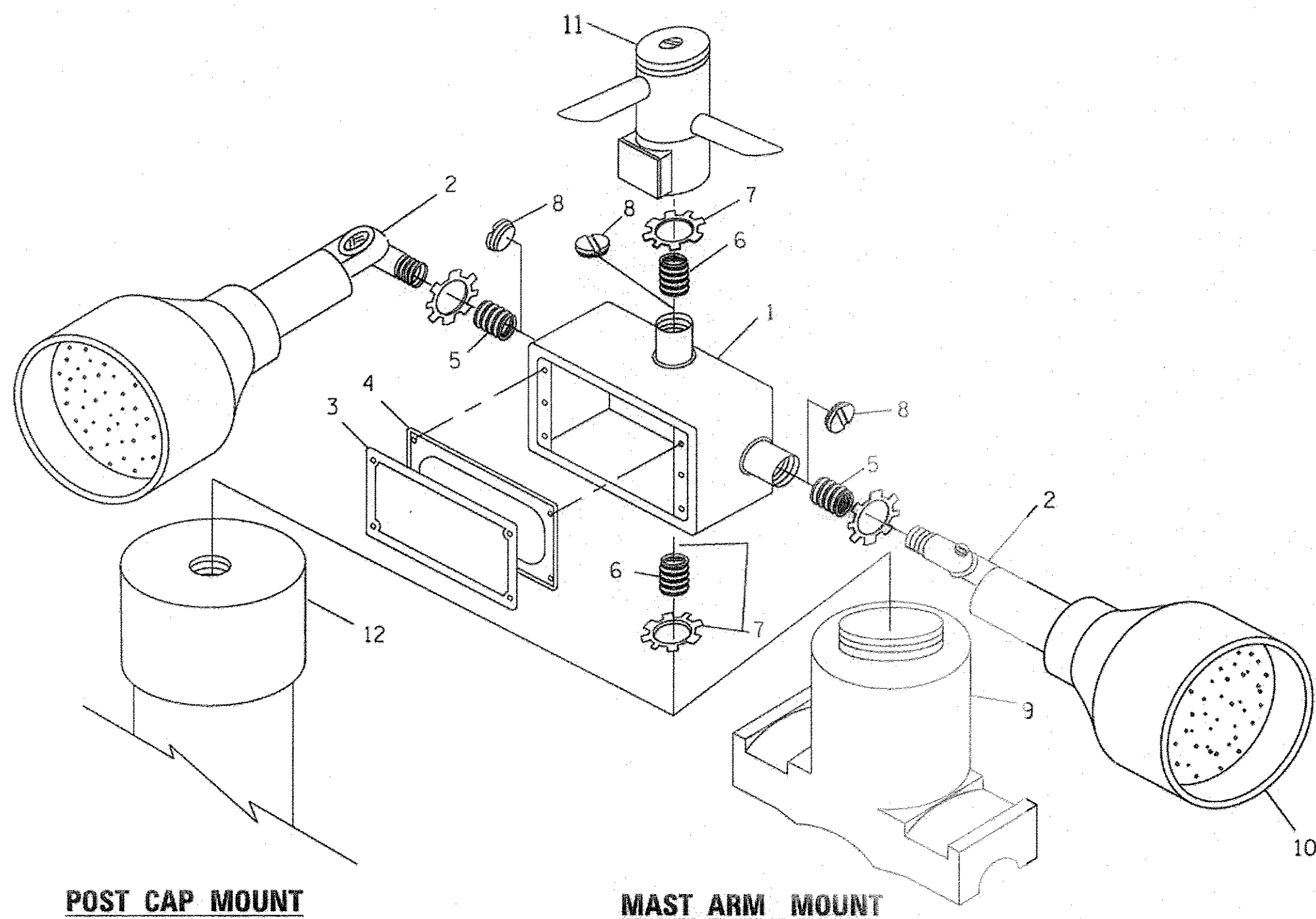


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

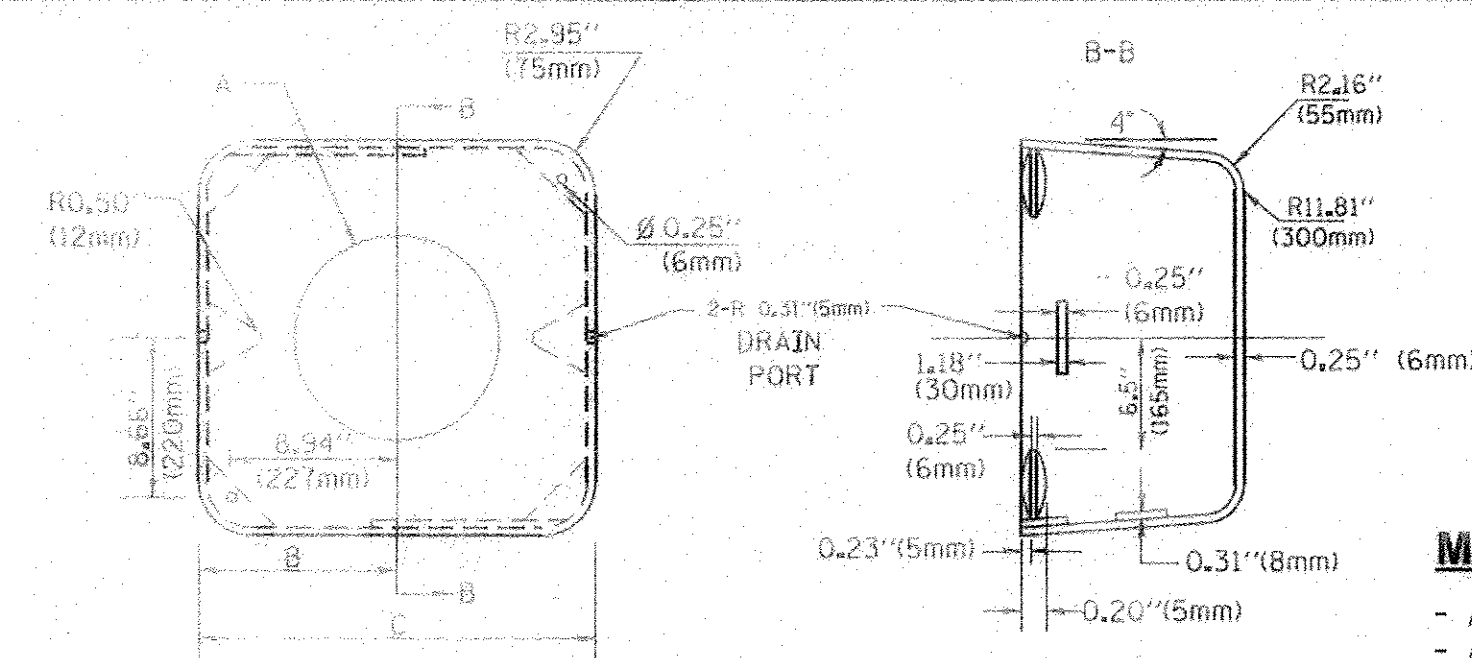
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



MATERIAL:

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

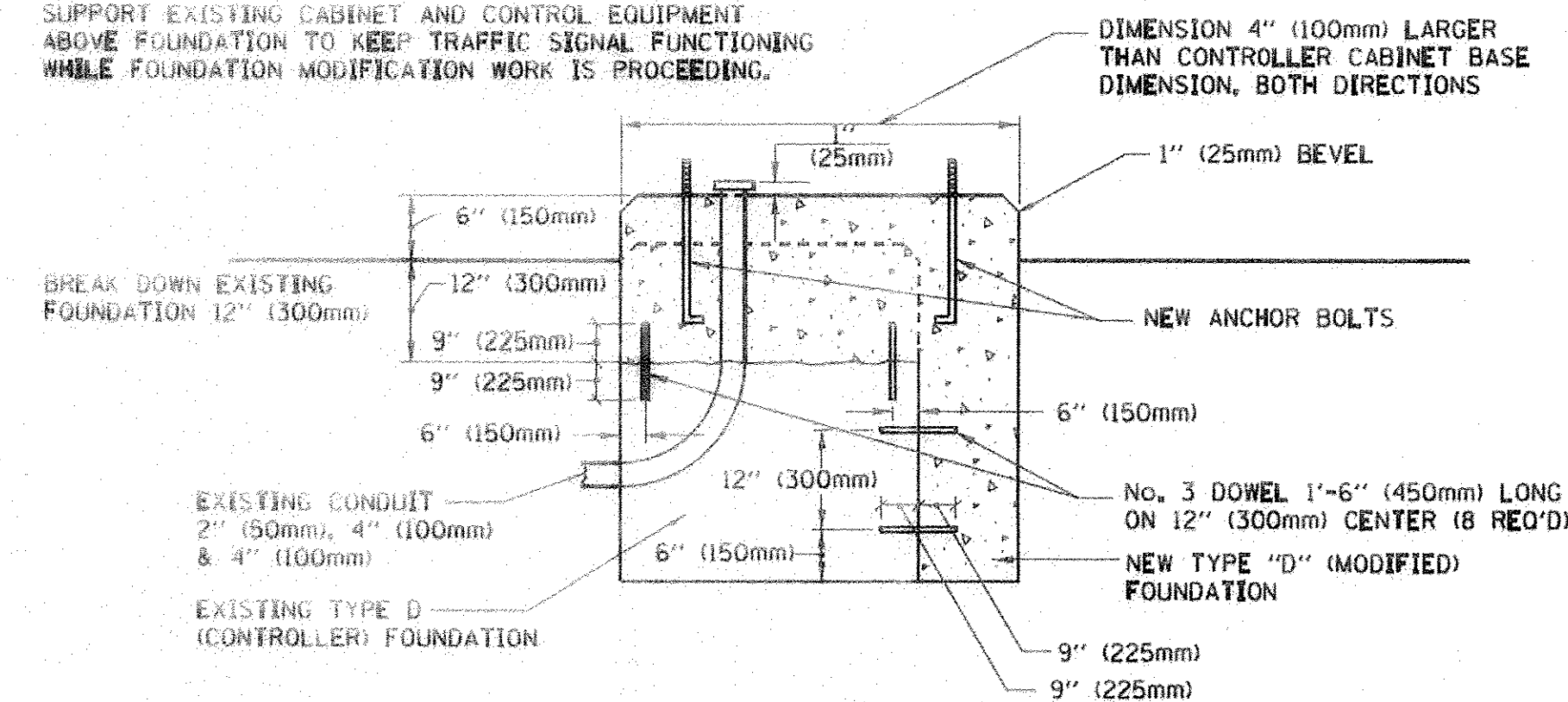
SHROUD

NOTES:

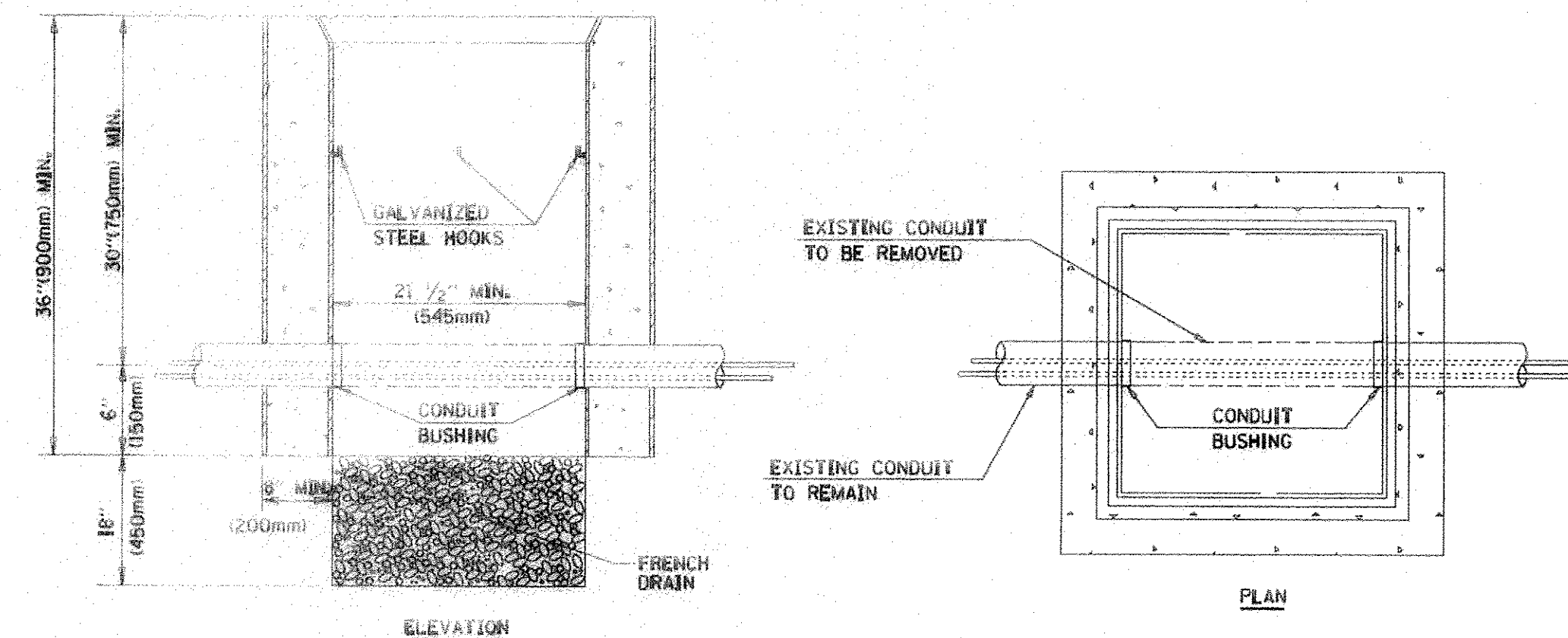
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

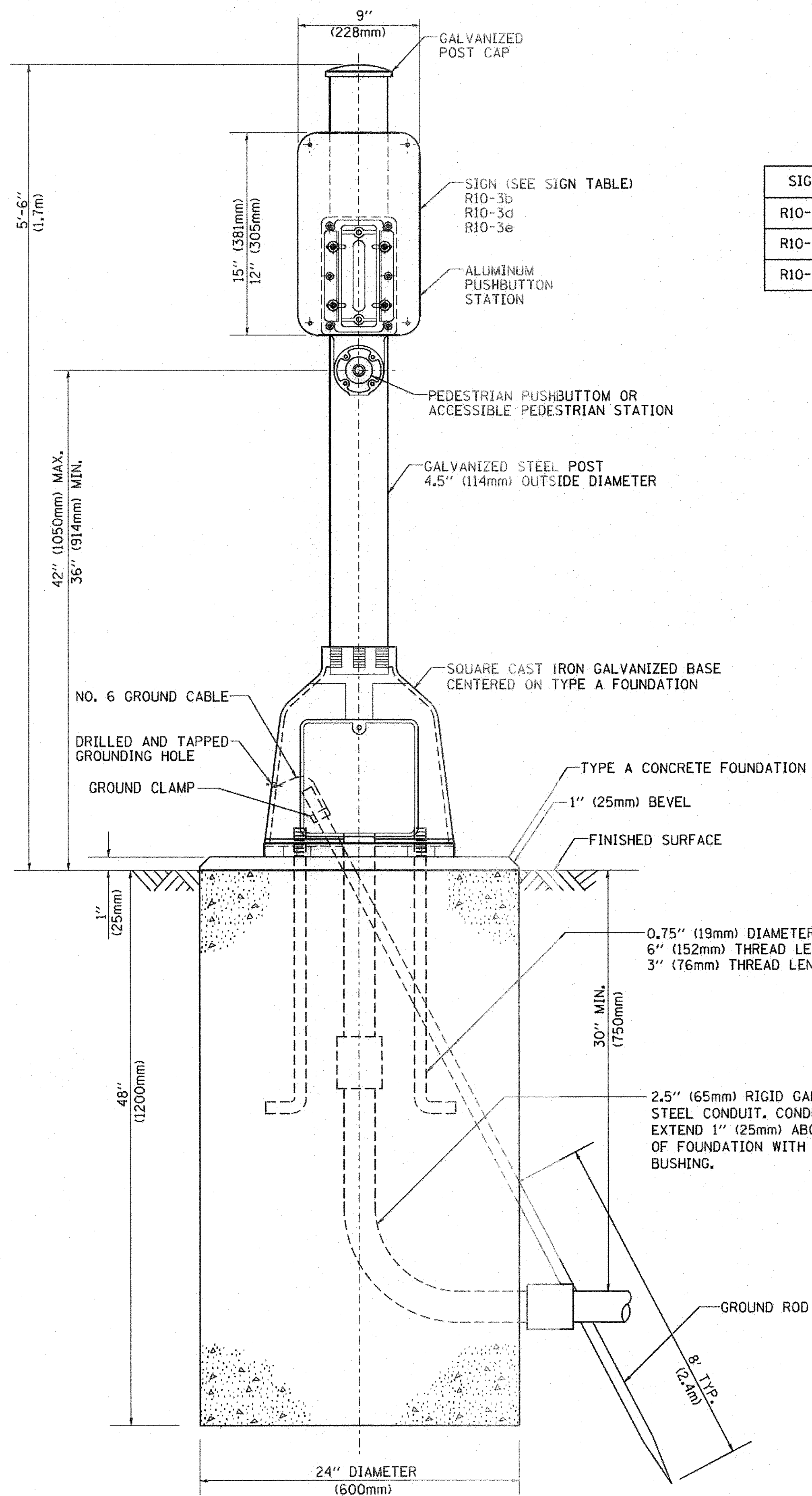
FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
cs:\pwwork\pwwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
PLOT SCALE = 50.0000' / 1"		CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

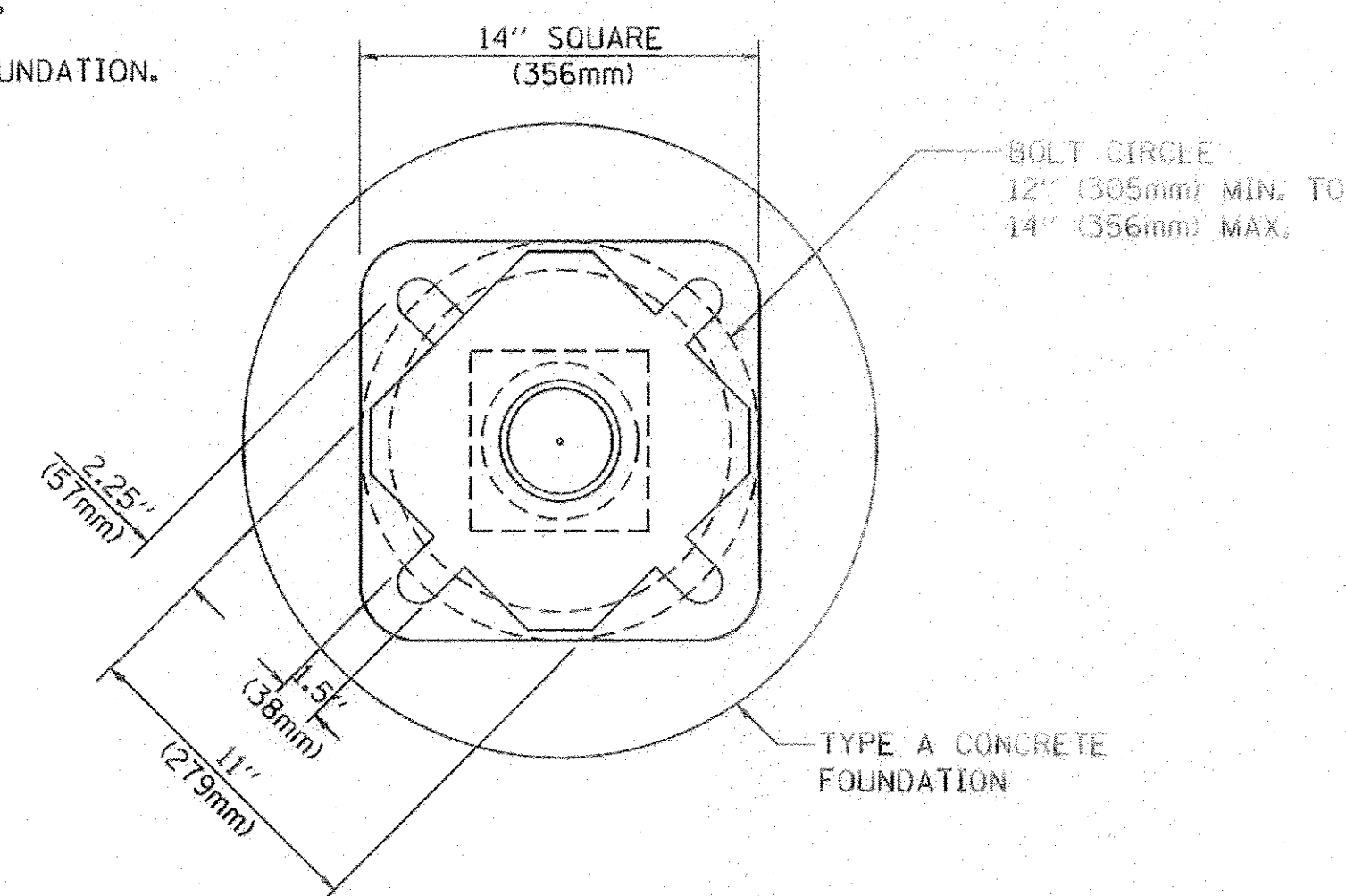
F.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 77
TS-05		CONTRACT NO. 61A30		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.



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

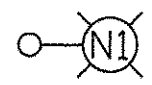
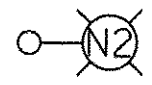
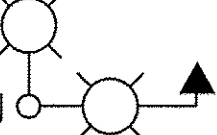
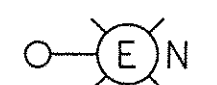



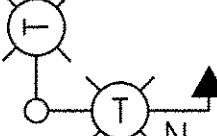

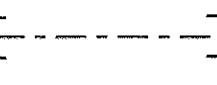






FILE NAME =	USER NAME = Footemj	DESIGNED - DAG	REVISED - DAG 1-1-14
c:\pwwork\pwwork\footemj\d0188315\ts05.dgn		DRAWN - GND	REVISED -
PLOT SCALE = 50.0000' / in.		CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014		DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

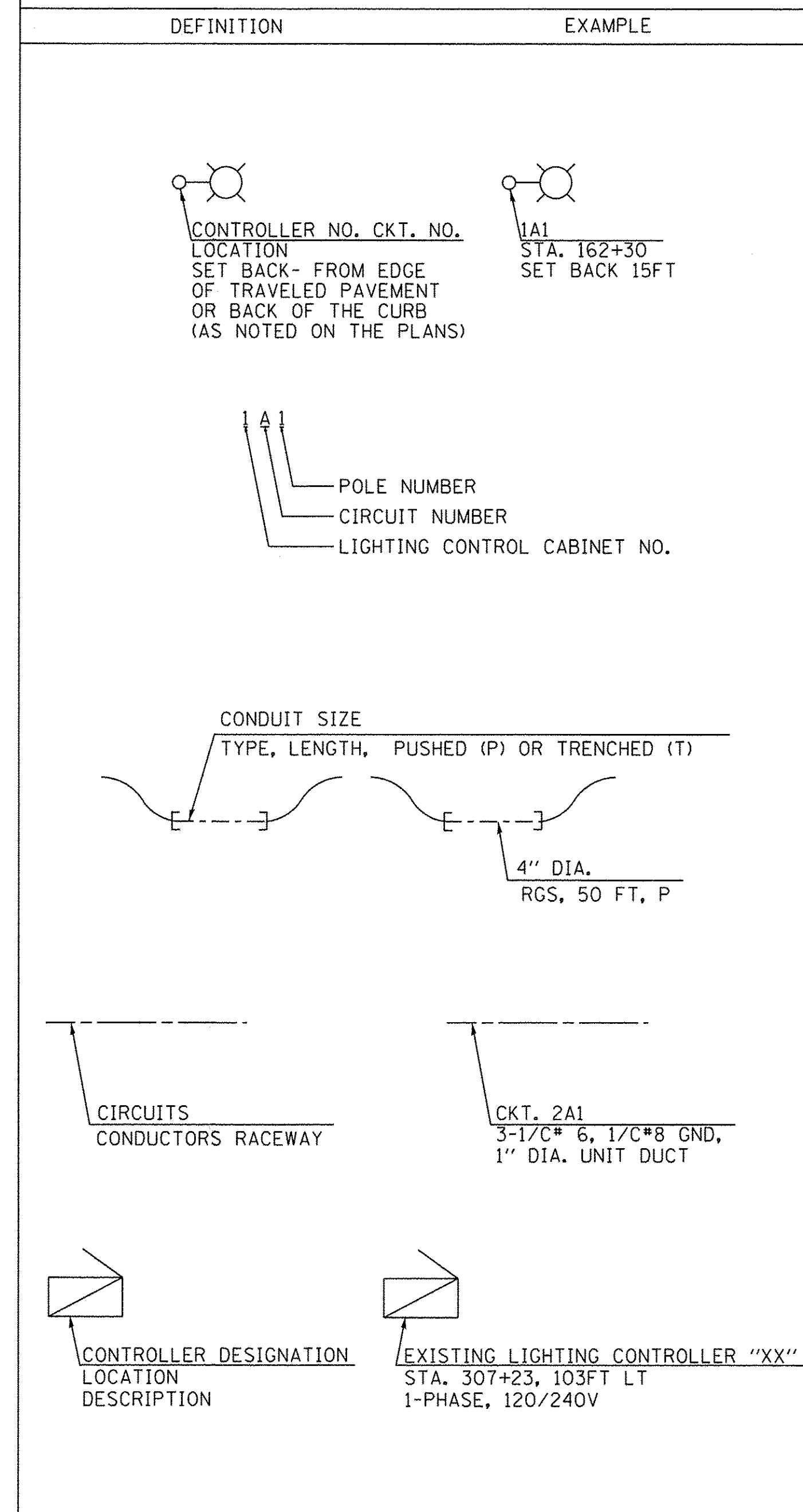
DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 77A
TS-05			CONTRACT NO. 61A30	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

-  PROPOSED LIGHTING UNIT - NAPERVILLE
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE
GROUND MOUNTED WITH TRANSFORMER BASE BREAKAWAY
-  PROPOSED BRIDGE MOUNTED LIGHTING UNIT - NAPERVILLE
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE
-  PROPOSED TWIN ARM COMBINATION LIGHTING UNIT
45' M.H., 2-12' M.A., 2-310W, 120V HPS LUMINAIRES
CITY OF NAPERVILLE
-  EXISTING LIGHTING UNIT TO REMAIN
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE
CITY OF NAPERVILLE
-  EXISTING LIGHTING UNIT TO REMAIN AS
TEMPORARY LIGHTING DURING CONSTRUCTION
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE
CITY OF NAPERVILLE
-  EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE
CITY OF NAPERVILLE
-  RELOCATED LIGHTING UNIT - NAPERVILLE
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE
TRANSFORMER BASE BREAKAWAY
-  TEMPORARY TWIN LIGHT FIXTURES AND MAST ARMS - NAPERVILLE
40' M.H., 2-12' M.A., 2-310W, 120V HPS LUMINAIRES
ATTACHED TO TEMPORARY TRAFFIC SIGNALS WOOD POLE @ 90°
-  EXISTING LIGHTING HANDHOLE
-  RIGID GALVANIZED STEEL (RGS) CONDUIT
PUSHED (P), OR TRENCHED (T)
SIZE AS INDICATED
-  UNIT DUCT, AS SPECIFIED IN PLANS
-  EXISTING WIRING TO REMAIN
-  PROPOSED LIGHTING CONTROLLER CABINET,
SINGLE DOOR, CONSOLE TYPE, 100A, 120/240V, 1Ø
CITY OF NAPERVILLE MAINTAINED
-  EXISTING LIGHTING CONTROLLER CABINET,
SINGLE DOOR, CONSOLE TYPE, 100A, 120/240V, 1Ø
CITY OF NAPERVILLE MAINTAINED
-  PROPOSED ELECTRIC UTILITY SERVICE TRANSFORMER
OR PEDESTAL
-  EXISTING ELECTRIC UTILITY SERVICE TRANSFORMER
OR PEDESTAL

CALL-OUT SAMPLES



ABBREVIATIONS

SYMBOL	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
CT	CURRENT TRANSFORMER
CP	CONTROL PANEL
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
EM	EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM)
ER	EXISTING RELOCATED UNIT
ET	EXISTING TEMPORARY UNIT TO REMAIN
ETR	EXISTING TEMPORARY RELOCATED UNIT
FT	FEET OR FOOT
FND BW	FOUNDATION BARRIER WALL
FND BW OS	FOUNDATION BARRIER WALL OFFSET
FND CON	FOUNDATION CONCRETE
FND CON OS	FOUNDATION CONCRETE OFFSET
FND MET	FOUNDATION METAL
FND PW	FOUNDATION PARAPET WALL
FU	FUSE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MA	MAST ARM
MM	MILLIMETER
MH	MOUNTING HEIGHT
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RL	RELOCATED
RR	EXISTING UNIT TO BE REMOVED AND RELOCATED (REINSTALLED)
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
RGS	RIGID GALVANIZED STEEL
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T	TEMPORARY LIGHTING UNIT
TB	TRANSFORMER BASE
TMP	TEMPORARY
TR	TEMPORARY UNIT TO BE REMOVED, SALVAGE EQUIPMENT AS SPECIFIED
TRR	TEMPORARY UNIT TO BE REMOVED AND RELOCATED
TUR	TEMPORARY UNIT ON UTILITY POLE TO BE REMOVED
UC	UNDERGROUND CONDUIT
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
WP	WOOD POLE
XFMR	TRANSFORMER

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT DRAWINGS WHICH WOULD AFFECT THE WORK UNDER THIS CONTRACT.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
3. ALL NEW CONDUITS, UNIT DUCTS, DIRECT BURIAL CABLES, AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH APPROVAL OF THE ENGINEER.
4. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ASSOCIATED SUPPLEMENTAL CONDITIONS (LATEST EDITION). WORK WITHIN THE CITY OF NAPERVILLE SHALL BE PERFORMED ACCORDING TO CITY STANDARDS AND SPECIAL PROVISIONS FIRST.
5. THE SCALE SHOWN ON PLAN DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.
6. THE CONTRACTOR SHALL FURNISH AND INSTALL LUMINAIRE LAMPS IN ACCORDANCE WITH THE SUPPLIER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE SPECIFICATIONS. THE COST OF THIS WORK AND MATERIAL SHALL BE INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
7. ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
8. CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30" DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
9. PAYMENT FOR TRENCH AND BACKFILL FOR ELECTRICAL WORK IS INCLUDED AS PART OF THE CONDUIT OR UNIT DUCT BID PRICE. NO SEPARATE MEASUREMENT OR PAYMENT FOR TRENCH AND BACKFILL FOR ELECTRICAL WORK.
10. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE PAY ITEM.
11. BREAKAWAY DEVICE, TRANSFORMER BASE, 9" HIGH, SHALL BE FURNISHED AND INSTALLED ON ALL NEW AND RELOCATED GROUND MOUNTED POLES. EXISTING BREAKAWAY BASES SHALL BE RELOCATED AND REUSED IF IN GOOD CONDITION. EXISTING COUPLINGS SHALL NOT BE REUSED, AND NEW TRANSFORMER BASES SHALL REPLACE COUPLINGS. BRIDGE PARAPET MOUNTED POLES SHALL NOT HAVE BREAKAWAY BASES INSTALLED. BREAKAWAY BASES ARE PAID FOR ON A PER EACH NEW BASE FURNISHED AND INSTALLED.
12. ALL REMOVED EQUIPMENT AND MATERIALS THAT WILL NOT BE REUSED SHALL BE RETURNED TO THE LOCAL MUNICIPALITY THAT OWNS THE EQUIPMENT. THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO SAFELY TRANSPORT AND DELIVER REMOVED EQUIPMENT TO THE MUNICIPALITY'S PUBLIC WORKS STORAGE FACILITY/YARD DESIGNATED BY EACH MUNICIPALITY. COST OF THIS WORK, INCLUDING PROPERLY PACKAGING AND HANDLING OF EQUIPMENT, SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE ITEMS BEING REMOVED.
13. CONTRACTOR SHALL APPLY FOR AN ELECTRIC SERVICE PERMIT FROM THE NAPERVILLE TRANSPORTATION, ENGINEERING, AND DEVELOPMENT (T.E.D.) BUSINESS GROUP. PERMIT MUST BE OBTAINED FOR ANY NEW, MODIFIED, OR RELOCATED ELECTRIC SERVICE WITHIN THE CITY OF NAPERVILLE LIMITS FOR THE LIGHTING CONTROLLERS SHOWN ON THE PLANS. THE CONTRACTOR MUST ALSO CONTACT THE NAPERVILLE DEPARTMENT OF PUBLIC UTILITIES- ELECTRICAL (NDPU-E) DISPATCH 24 HOURS IN ADVANCE TO SCHEDULE AN ELECTRIC SERVICE CONNECTION BY THE DEPARTMENT. CONTRACTOR SHALL FURNISH AND INSTALL SERVICE WIRING FOR ALL CONTROLLERS UP TO THE NDPU-E ELECTRIC SERVICE PEDESTAL. LEAVE A MINIMUM OF 15 FEET OF SERVICE WIRING COILED OUTSIDE THE PEDESTAL FOR NDPU-E CONNECTION.
14. ALL PROPOSED UNIT DUCTS SHALL BE USE-2 RATED. UNIT DUCTS FOR LIGHTING BRANCH CIRCUITS SHALL CONTAIN #6 CONDUCTORS. NUMBER OF CONDUCTORS SHALL BE AS SHOWN ON THE PLANS. CABLES FOR ELECTRIC SERVICES TO THE LIGHTING CONTROLLER CABINETS SHALL BE USE-2 RATED AND SHALL BE 3-1/C #2 CABLES IN 2" RIGID GALVANIZED STEEL CONDUIT.
15. LIGHTING AND ELECTRICAL SYMBOLS ARE OVERSIZED ON THE PLANS FOR CLARITY. CONTRACTOR SHALL USE STATIONS AND SETBACKS TO ACCURATELY LOCATE EQUIPMENT.
16. CONTRACTOR SHALL MAINTAIN 2' MINIMUM CLEARANCE BETWEEN EXISTING UTILITIES AND NEW FOUNDATIONS AND UNDERGROUND FACILITIES. IN AREAS WHERE FOUNDATIONS AND UNDERGROUND FACILITIES ARE PROPOSED ADJACENT TO EXISTING UTILITIES, THE CONTRACTOR SHALL POT HOLE BY VACUUM EXCAVATION OR HAND EXCAVATION TO LOCATE THE EXISTING UTILITY TO VERIFY MINIMUM CLEARANCE REQUIREMENT.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**95TH STREET
LIGHTING LEGEND & GENERAL NOTES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	78
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

SCALE: NONE DRAWING NO. 1 OF 15 STA. TO STA.

FILE NAME = p:\MCD04\25367381_95th\Drawings\Contract\North\Roadway\Lighting\Light-081.dgn



USER NAME = james.push	DESIGNED - MAE	REVISED -	REVISED -
	DRAWN - MAE		REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED - DAD		REVISED -
PLOT DATE = 1/21/2016	DATE - 01/20/2016		REVISED -

LIGHTING SUMMARY OF QUANTITIES

SP	PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY BREAKDOWN	TOTAL QUANTITY
				NAPERVILLE	
*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1
*	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1
	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	654	654
	81603050	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2908	2908
	82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	17	17
	82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1	1
	83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	1	1
	83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	13	13
	84200804	REMOVAL OF POLE FOUNDATION	EACH	12	12
	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	12	12
*	Z0033024	MAINTAIN EXISTING LIGHTING SYSTEM	L SUM	1	1
*	X8301042	MAST ARM, ALUMINUM, 12 FT.	EACH	12	12
*	XX008809	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8" X 7'	EACH	13	13

* DESIGNATES SPECIAL PROVISIONS

FILE NAME = p:\MCD004_25367381_95th Drawings\Contract-North Roadway\Lighting\Sht-Light-902.dgn



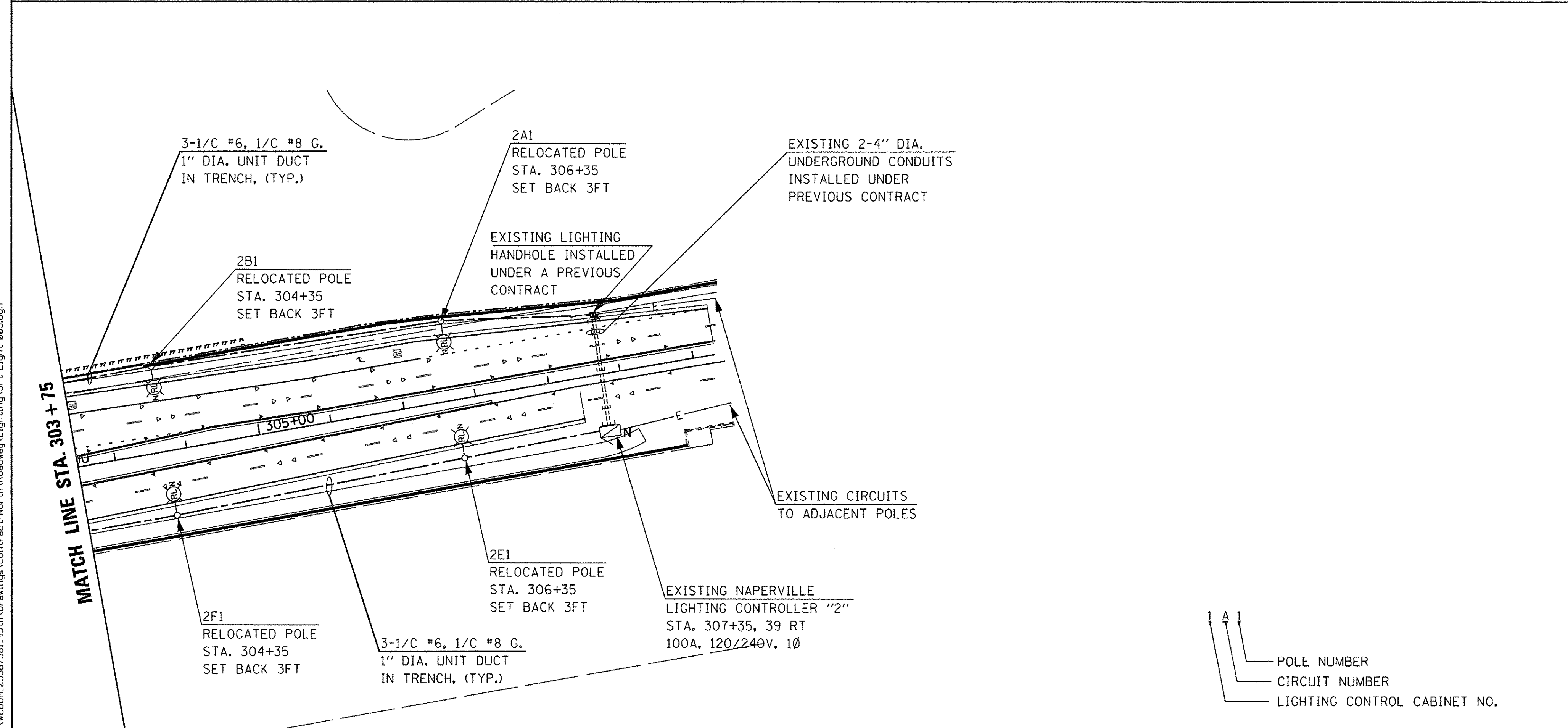
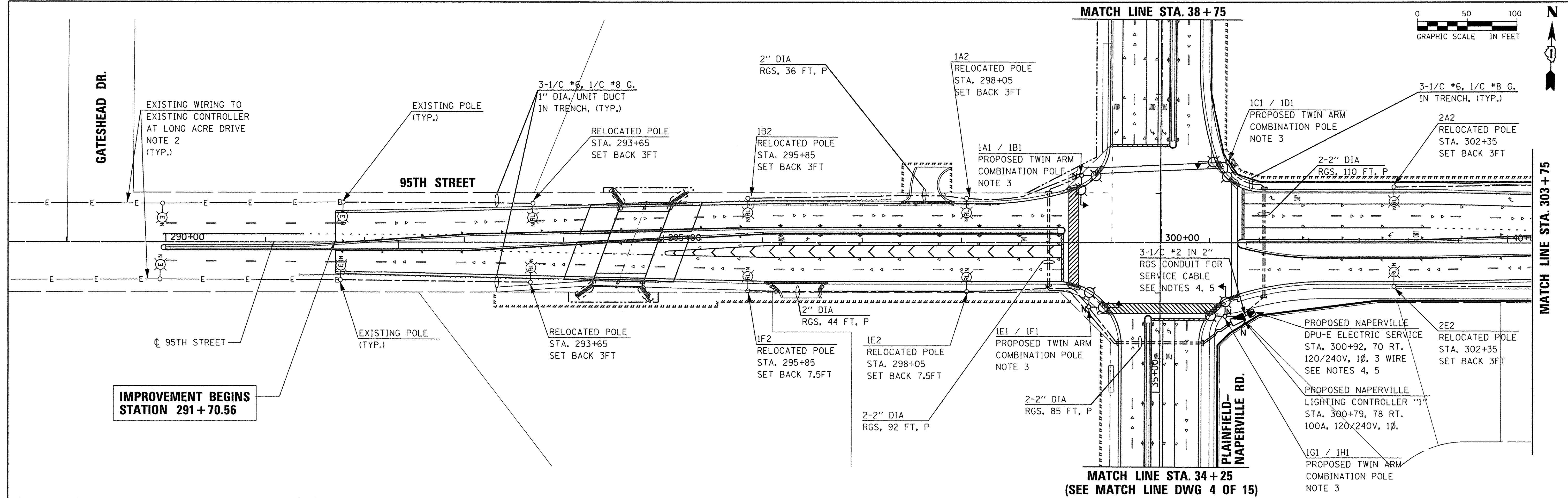
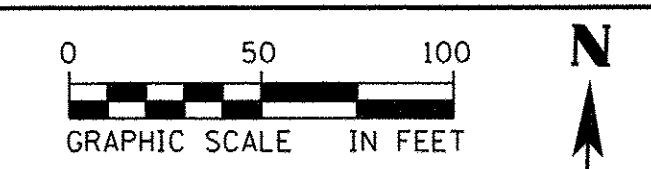
USER NAME = james.push	DESIGNED - MAE	REVISED -
	DRAWN - MAE	REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -
PLOT DATE = 1/21/2016	DATE - 01/20/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

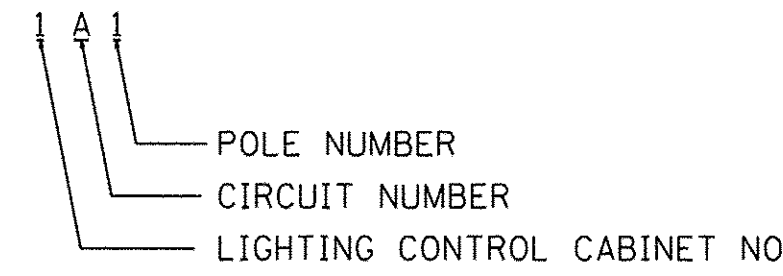
**95TH STREET
LIGHTING SUMMARY OF QUANTITIES**

SCALE: NONE DRAWING NO. 2 OF 15 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	79
CONTRACT NO. 61A30			ILLINOIS FED. AID PROJECT	

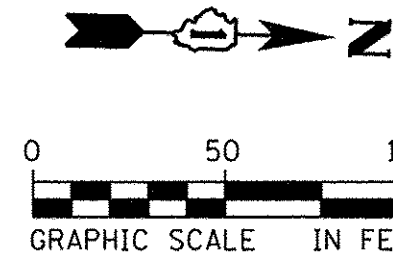


- NOTES:**
- ALL LIGHT POLE SETBACKS SHOWN ARE MEASURED FROM THE BACK OF CURB TO THE CENTER OF THE POLE BASE.
 - EXISTING WIRING TO EXISTING LIGHTING CONTROLLER CABINET AT STA. 277+72, 40' LT. LOCATED ON THE NORTHWEST CORNER OF 95TH STREET AT LONG ACRE DRIVE. NO CHANGE TO EXISTING LOAD, CIRCUITS, OR DISTANCE ON EXISTING LIGHTING CABINET.
 - ONE (1) LIGHTING MAST ARM ON THE COMBINATION POLE IS PAID FOR AS PART OF THE PAYMENT FOR THE STEEL COMBINATION MAST ARM ASSEMBLY AND POLE. THE SECOND LIGHTING MAST ARM AND BOTH LUMINAIRES ARE PAID FOR SEPARATELY.
 - THE FINAL LOCATIONS OF ALL ELECTRIC SERVICE TRANSFORMERS AND PEDESTALS FEEDING THE LIGHTING CABINETS SHALL BE DETERMINED BY THE UTILITY. ADJUSTMENTS TO THE LENGTH OF THE SERVICE CABLE AND CONDUIT SHALL BE MADE ACCORDINGLY. ALSO SEE GENERAL NOTE 13 ON LIGHTING SHEET 1 OF 15 FOR ADDITIONAL REQUIREMENTS.
 - ALL MATERIALS, EQUIPMENT, AND LABOR NEEDED TO INSTALL AND CONNECT THE SERVICE FROM THE UTILITY TRANSFORMER OR PEDESTAL TO THE LIGHTING CONTROLLER CABINET SHALL BE PART OF PAY ITEM NO. 80400100 - ELECTRIC SERVICE INSTALLATION. WORK SHALL INCLUDE THE CABLE, CONDUIT AND TRENCHING FOR THE CONDUIT SHOWN ON THE PLANS. ALL CONNECTIONS, SPLICING, AND WIRING TO THE NEW LIGHTING CONTROLLER IS ALSO INCLUDED UNDER THE SAME PAY ITEM. THE SERVICE CABLE AND CONDUIT SIZE SHALL BE AS SHOWN ON THE PLANS. ALSO SEE GENERAL NOTE 13 ON LIGHTING SHEET 1 OF 15 FOR ADDITIONAL SERVICE WIRING AND CONNECTION REQUIREMENTS.

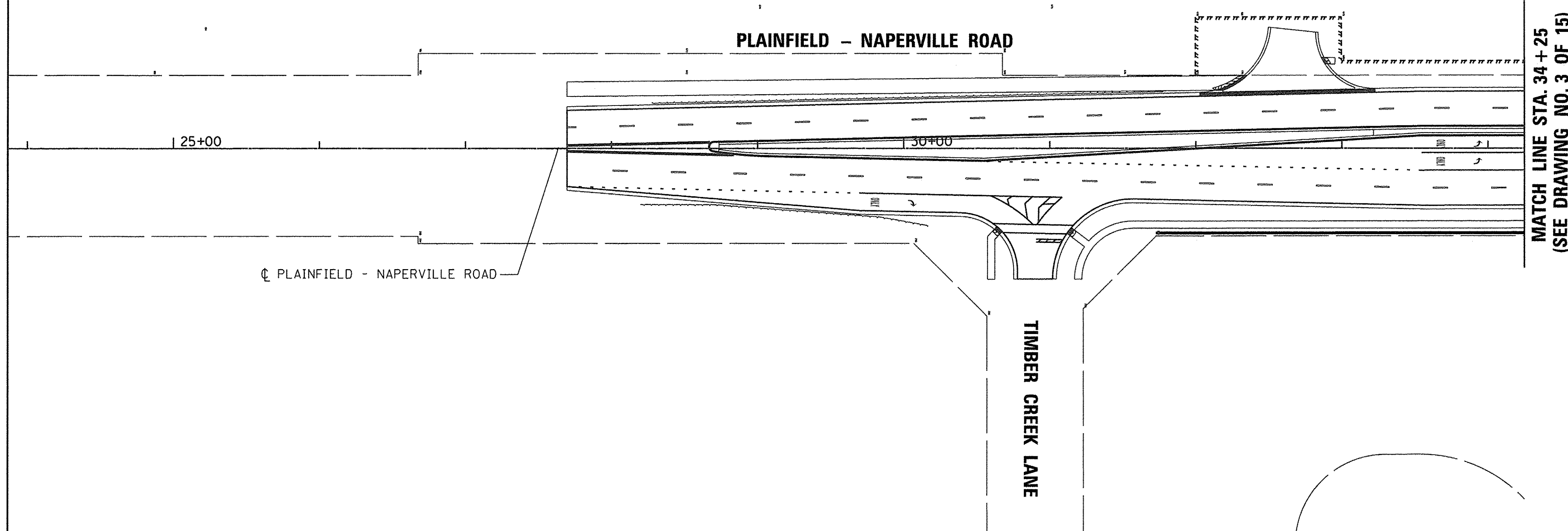


FILE NAME = p:\MCD\04_25367381_95thDrawings\Contract\NorthRoadway\Lighting\Sh-Light-003.dgn

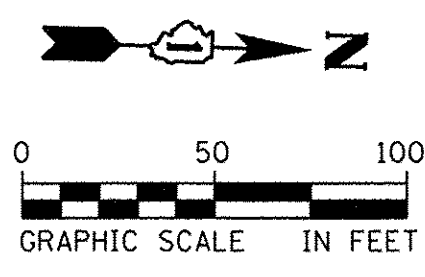
AECOM	USER NAME = james_push	DESIGNED - MAE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	95TH STREET PROPOSED LIGHTING PLAN (SHEET 1 OF 2)		F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 80	
	PLDT SCALE = 50,0000' / 1in.	CHECKED - DAD	REVISED -		SCALE: 1"=50'	DRAWING NO. 3 OF 15	STA. 291+70.56 TO STA. 309+00	CONTRACT NO. 61A30				
	PLDT DATE = 1/21/2016	DATE - 01/20/2016	REVISED -		ILLINOIS FED. AID PROJECT							



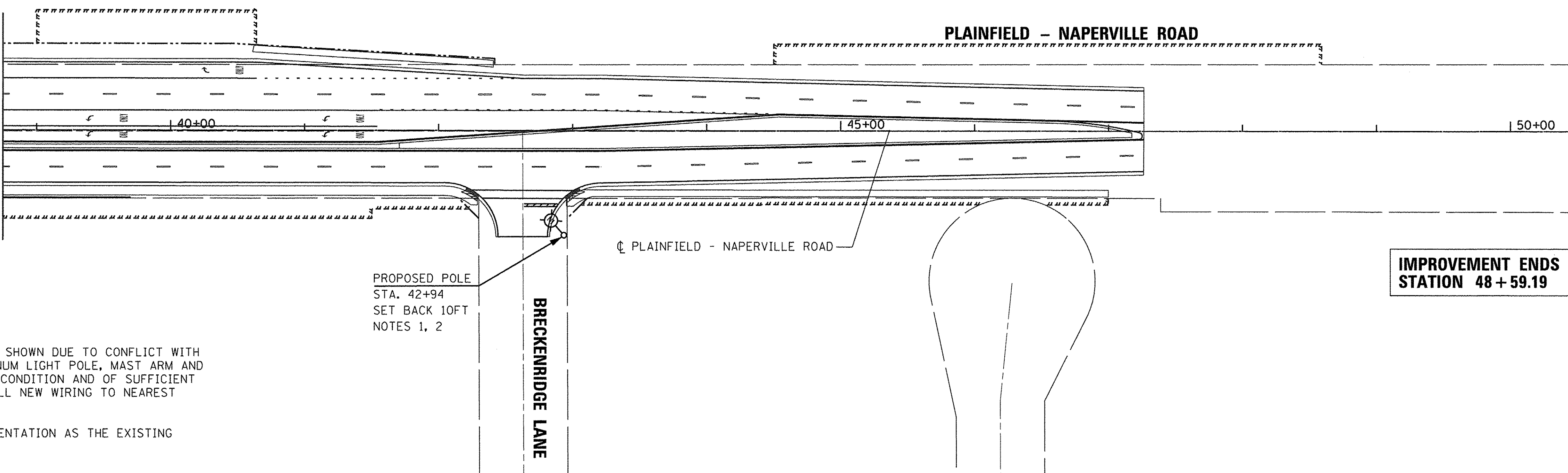
IMPROVEMENT BEGINS
STATION 27+70.50



MATCH LINE STA. 34+25
(SEE DRAWING NO. 3 OF 15)



(SEE DRAWING NO. 3 OF 15)
MATCH LINE STA. 38+75



IMPROVEMENT ENDS
STATION 48+59.19

NOTES:

- CONTRACTOR SHALL REMOVE EXISTING CONCRETE LIGHT POLE SHOWN DUE TO CONFLICT WITH PROPOSED IMPROVEMENTS. FURNISH AND INSTALL NEW ALUMINUM LIGHT POLE, MAST ARM AND LUMINAIRE. EXISTING CABLES SHALL BE REUSED IF IN GOOD CONDITION AND OF SUFFICIENT LENGTH. OTHERWISE, CONTRACTOR SHALL FURNISH AND INSTALL NEW WIRING TO NEAREST POLE OR LIGHTING CABINET.
- INSTALL NEW MAST ARM AND LUMINAIRE WITH THE SAME ORIENTATION AS THE EXISTING MAST ARM AND LUMINAIRE.

PROPOSED POLE
STA. 42+94
SET BACK 10FT
NOTES 1, 2

FILE NAME = p:\MCD04_25367381_95\Drawings\Contract\North\Roadkey\Lighting\Sheet-Light-007.dgn



USER NAME = james_push	DESIGNED - MAE	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN - MAE	REVISED -
PLOT DATE = 1/21/2016	CHECKED - DAD	REVISED -
	DATE - 01/20/2016	REVISED -

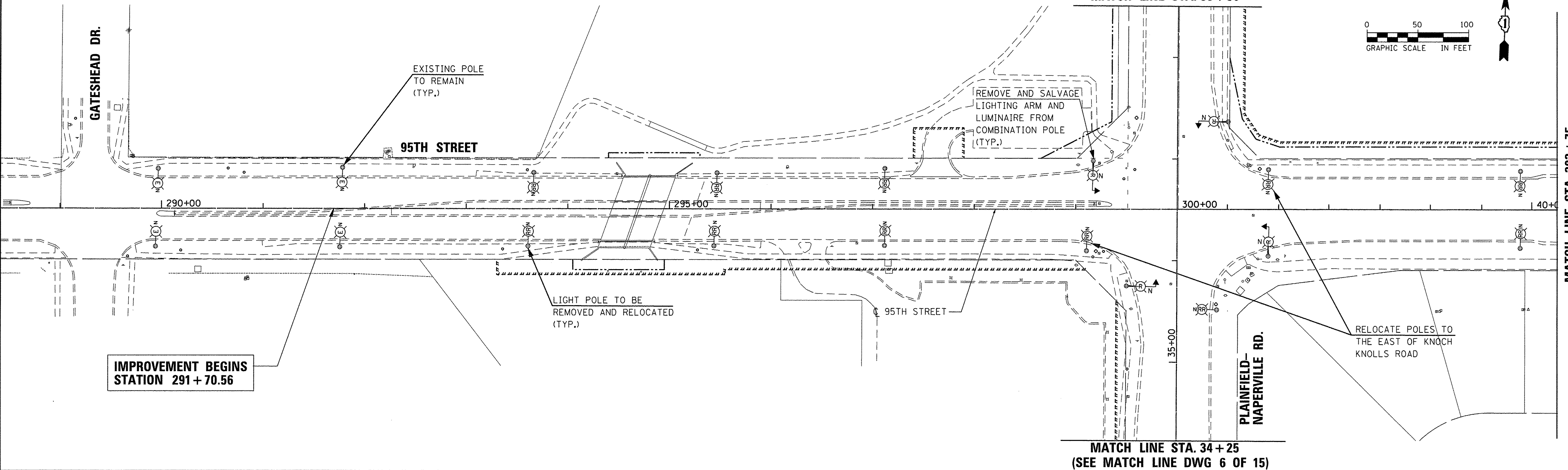
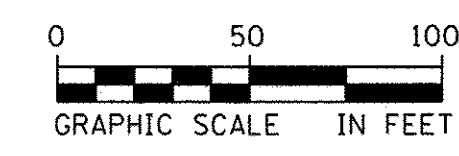
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAINFIELD-NAPERVILLE ROAD
PROPOSED LIGHTING PLAN (SHEET 2 OF 2)

SCALE: 1"=50' DRAWING NO. 4 OF 15 STA. 27+70.50 TO STA. 48+59.19

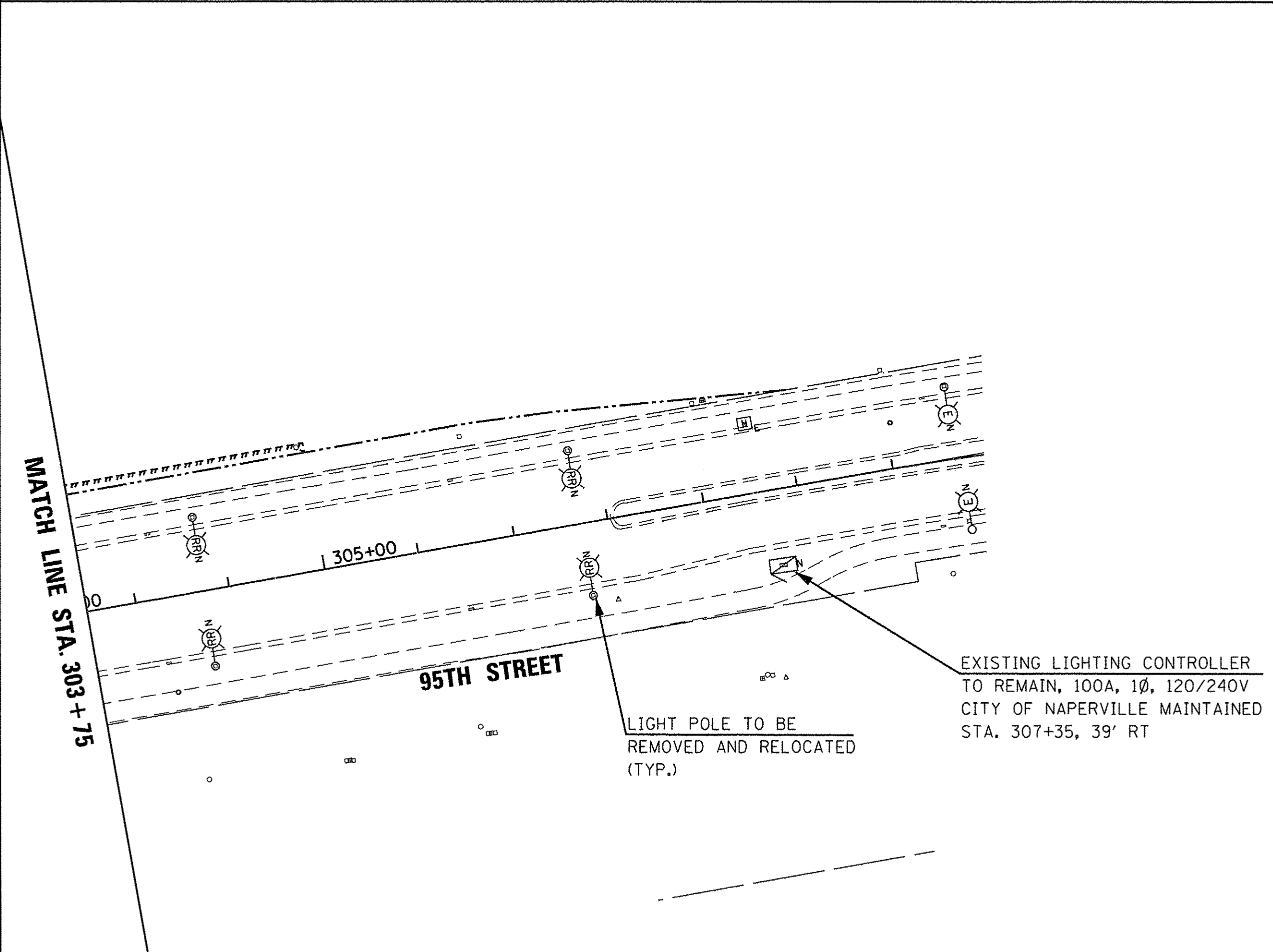
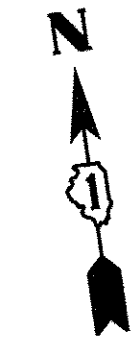
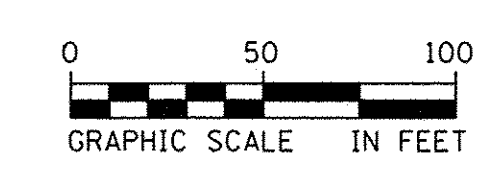
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	81
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

(SEE MATCH LINE DWG 6 OF 15)
MATCH LINE STA. 38 + 50



IMPROVEMENT BEGINS
STATION 291 + 70.56

MATCH LINE STA. 34 + 25
(SEE MATCH LINE DWG 6 OF 15)



LEGEND

- EXISTING LIGHTING UNIT TO REMAIN
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE
CITY OF NAPERVILLE
- EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE
CITY OF NAPERVILLE
- EXISTING LIGHTING EQUIPMENT TO BE REMOVED AND SALVAGED
REMOVE LIGHTING ARM AND LUMINAIRE FROM COMBINATION POLE
CITY OF NAPERVILLE
- EXISTING LIGHTING CONTROLLER CABINET,
SINGLE DOOR, CONSOLE TYPE, 100A, 120/240V, 1Ø
CITY OF NAPERVILLE MAINTAINED
- EXISTING LIGHTING HANDHOLE

NOTES:

1. THE CONTRACTOR SHALL NOT DE-ENERGIZE, DISCONNECT, OR REMOVE ANY EXISTING LIGHTING EQUIPMENT UNLESS A REPLACEMENT EQUIPMENT IS IN PLACE AND MADE OPERATIONAL BEFORE THE EXISTING EQUIPMENT CAN BE REMOVED.
2. NEW LOCATIONS OF ALL RELOCATED LIGHTING EQUIPMENT ARE SHOWN ON THE TEMPORARY AND PROPOSED LIGHTING PLANS.
3. INSTALL RELOCATED EXISTING LIGHTING CONTROLLER CABINETS ON NEW FOUNDATIONS.
4. THE CONTRACTOR SHALL PROPERLY HANDLE AND DELIVER ALL REMOVED LIGHTING EQUIPMENT THAT WILL NOT BE REUSED TO THE OWNER'S PUBLIC WORKS DEPARTMENT DESIGNATED STORAGE/MAINTENANCE YARD. ALL COSTS RELATED TO REMOVAL, HANDLING, AND TRANSPORTATION OF THE REMOVED EQUIPMENT SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
5. EXISTING WIRES AND CABLES THAT WILL NOT BE REUSED SHALL BE ABANDONED IN PLACE OR REMOVED BY THE CONTRACTOR AND DISPOSED OF OUTSIDE THE RIGHT OF WAY AT HIS OWN EXPENSE.

FILE NAME = p:\MCD04_25367381_95th\Drawings\Contract\North\Roadway\Lighting\Shr-Light-008.dgn



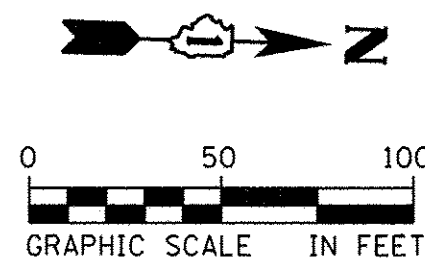
USER NAME = james.push	DESIGNED - MAE	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN - MAE	REVISED -
PLOT DATE = 1/21/2016	CHECKED - DAD	REVISED -
	DATE - 01/20/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

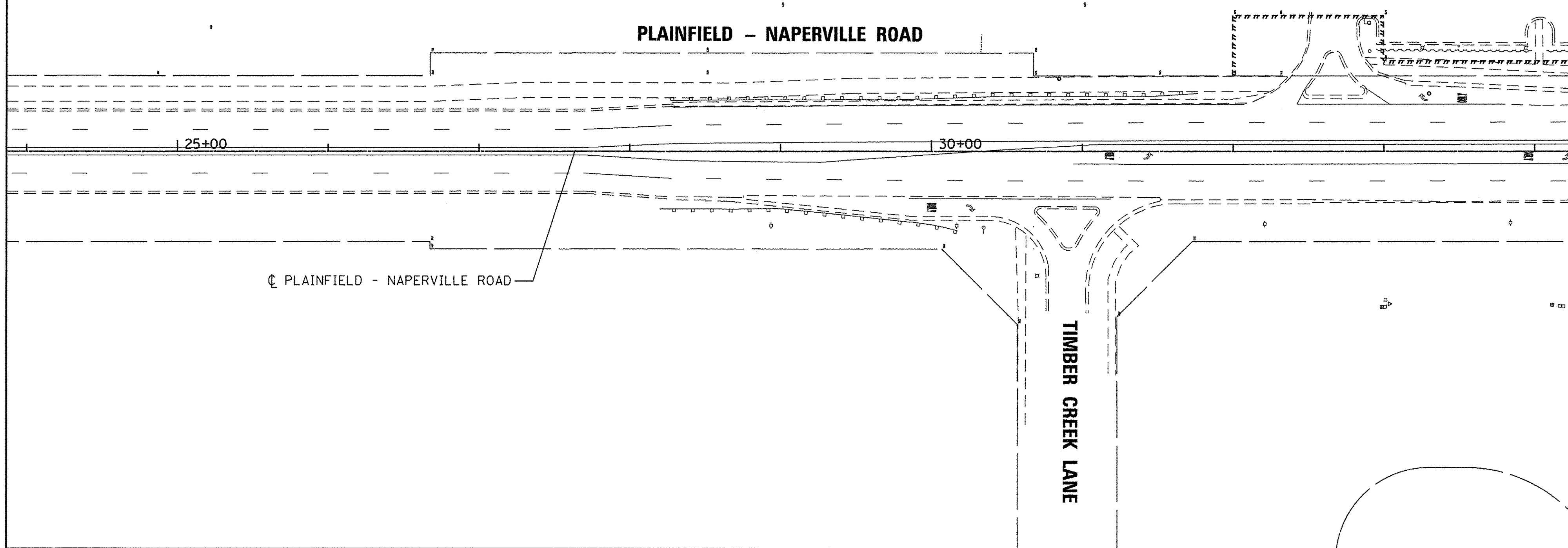
**95TH STREET
EXISTING & REMOVAL LIGHTING PLAN (SHEET 1 OF 2)**

SCALE: 1"=50' DRAWING NO. 5 OF 15 STA. 291+70.56 TO STA. 309+00

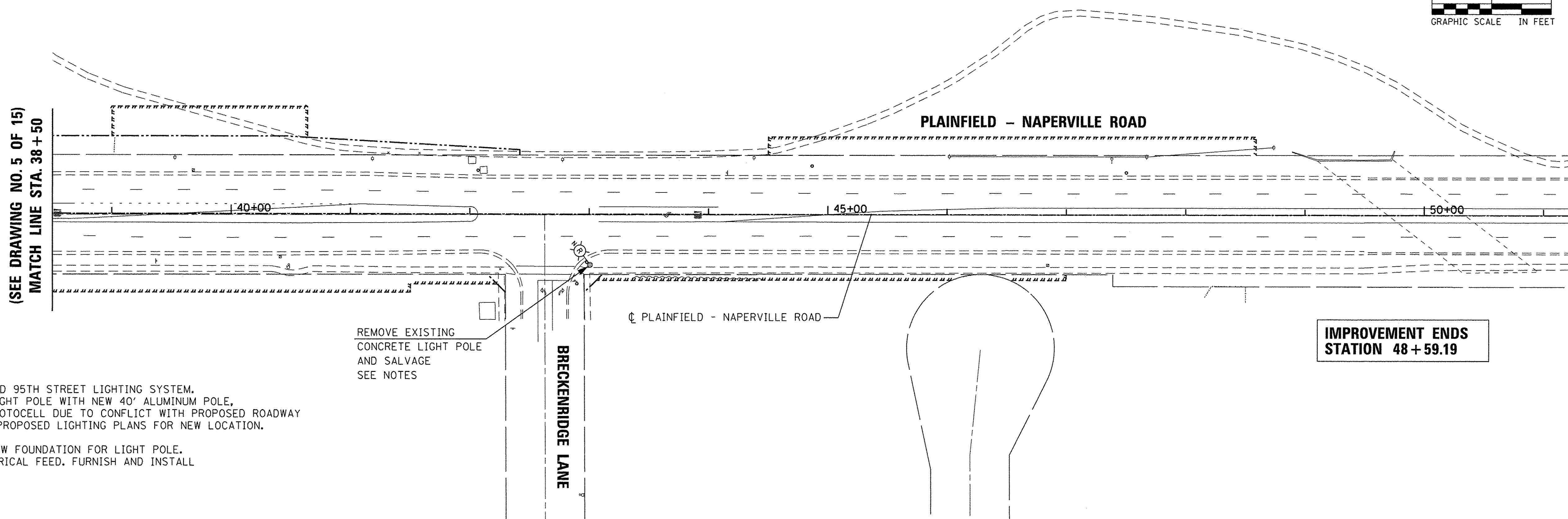
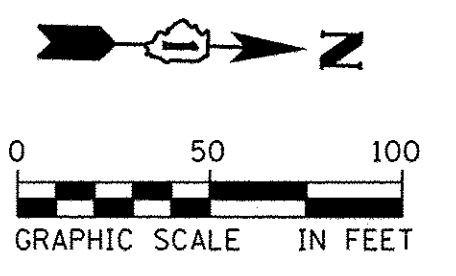
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	82
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				



**IMPROVEMENT BEGINS
STATION 27 + 70.50**



**MATCH LINE STA. 34 + 25
(SEE DRAWING NO. 5 OF 15)**



**(SEE DRAWING NO. 5 OF 15)
MATCH LINE STA. 38 + 50**

**IMPROVEMENT ENDS
STATION 48 + 59.19**

NOTES:

- EXISTING LIGHT POLE NOT PART OF PROPOSED 95TH STREET LIGHTING SYSTEM. REMOVE AND REPLACE EXISTING CONCRETE LIGHT POLE WITH NEW 40' ALUMINUM POLE, 12' MAST ARM, AND 310W LUMINAIRE WITH PHOTOCELL DUE TO CONFLICT WITH PROPOSED ROADWAY IMPROVEMENTS AT EXISTING LOCATION. SEE PROPOSED LIGHTING PLANS FOR NEW LOCATION.
- CONTRACTOR SHALL FURNISH AND INSTALL NEW FOUNDATION FOR LIGHT POLE. RECONNECT POLE WIRING TO EXISTING ELECTRICAL FEED. FURNISH AND INSTALL NEW WIRING TO FEED POLE, IF NECESSARY.

REMOVE EXISTING
CONCRETE LIGHT POLE
AND SALVAGE
SEE NOTES

FILE NAME = p:\VCD004_26367381_95th Drawings\Contract-North-Roadway\Lighting\Sheet-Light-012.dgn



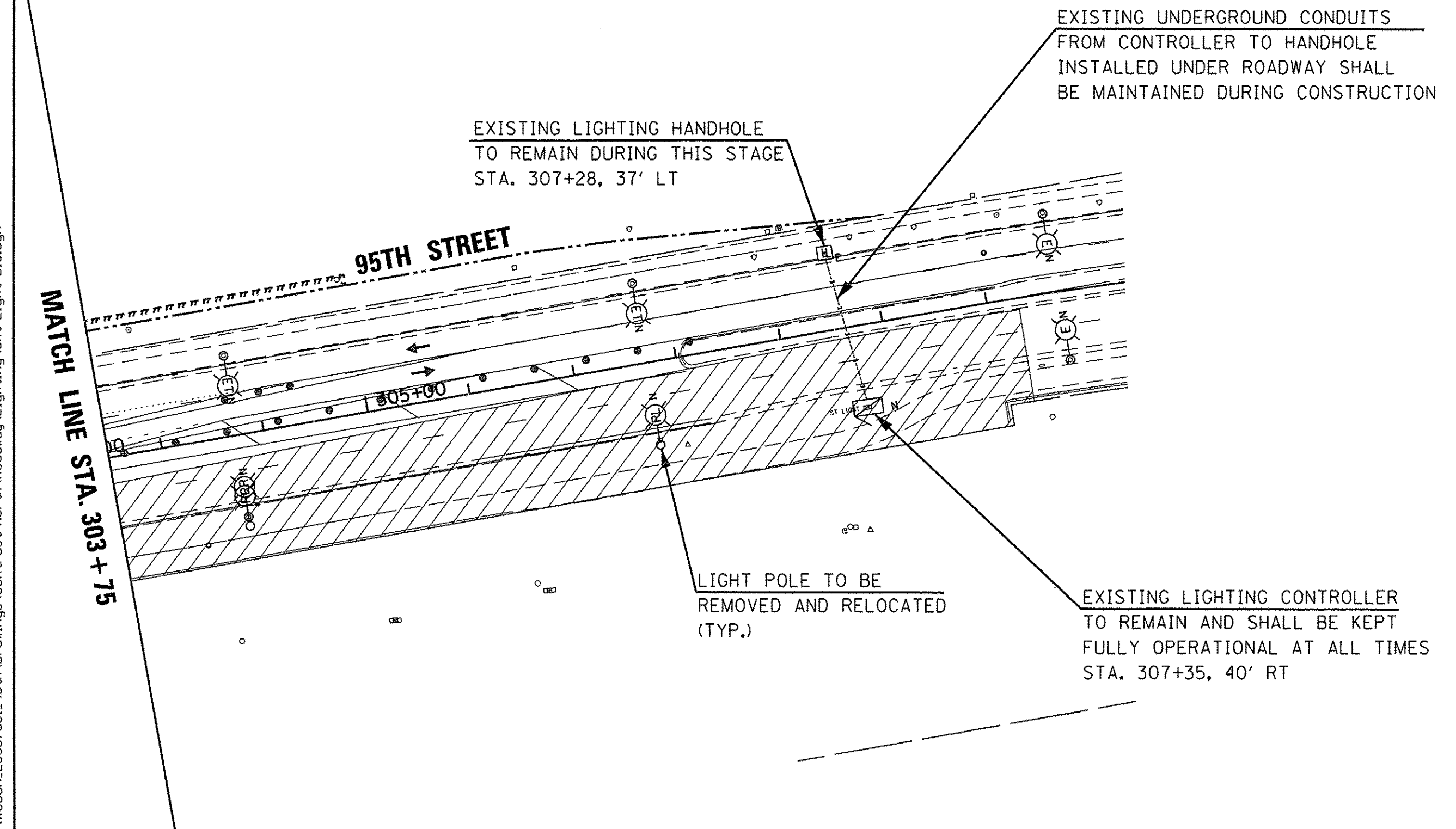
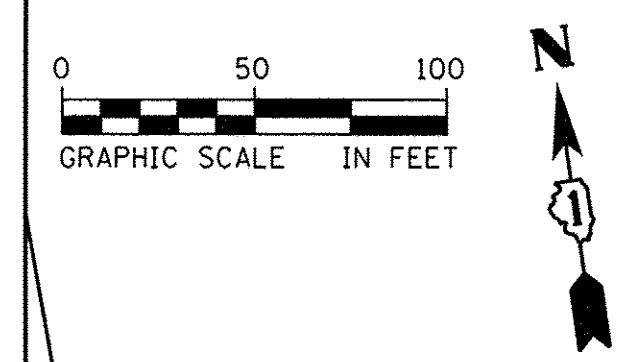
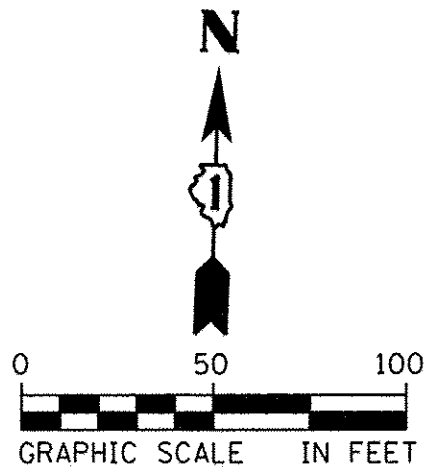
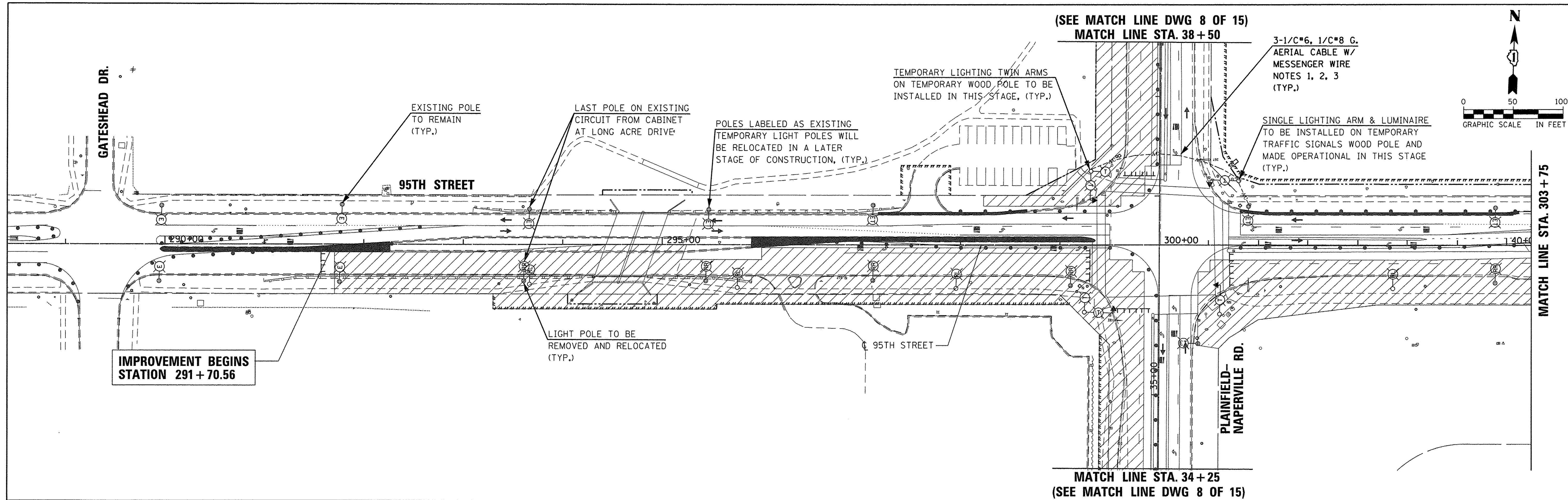
USER NAME = james.push	DESIGNED - MAE	REVISED -
PLOT SCALE = 50.0000' / 1" =	DRAWN - MAE	REVISED -
PLOT DATE = 1/21/2016	CHECKED - DAD	REVISED -
	DATE - 01/20/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD-NAPERVILLE ROAD
EXISTING & REMOVAL LIGHTING PLAN (SHEET 2 OF 2)**

SCALE: 1"=50' DRAWING NO. 6 OF 15 STA. 27+70.50 TO STA. 48+59.19

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	83
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				



NOTES:

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING EQUIPMENT FULLY OPERATIONAL ON THE TRAFFIC SIDE OF THE ROADWAY. THE CONTRACTOR SHALL REWIRE EXISTING LIGHTING CIRCUITS, AS NECESSARY, TO KEEP THE LIGHT POLES OPERATIONAL DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ANY EQUIPMENT, MATERIALS, AND LABOR NECESSARY TO ACCOMPLISH THIS GOAL INCLUDING TEMPORARY WIRING (UNDERGROUND OR AERIAL) OF POLES, LUMINAIRES AND LIGHTING CONTROLLERS. THIS WORK SHALL BE PAID FOR UNDER PAY ITEM "MAINTAIN EXISTING LIGHTING SYSTEM".
2. ALL LIGHTING RELATED EQUIPMENT, MATERIALS AND LABOR FURNISHED AND INSTALLED BY THE CONTRACTOR DURING CONSTRUCTION TO MAINTAIN THE OPERATION OF THE EXISTING LIGHTING SYSTEM SHALL BE PAID FOR UNDER PAY ITEM "MAINTAIN EXISTING LIGHTING SYSTEM". THIS PAYMENT SHALL INCLUDE ALL MATERIALS AND EQUIPMENT NOT SPECIFICALLY SHOWN ON THE PLANS, BUT ARE NECESSARY TO MAINTAIN THE OPERATION OF THE LIGHTING SYSTEM DURING CONSTRUCTION.
3. FURNISH AND INSTALL AERIAL CABLES AND WOOD POLES TO SUPPORT CABLES IF PERMANENT UNDERGROUND WIRING CANNOT BE INSTALLED OR EXISTING WIRING CANNOT BE MAINTAINED DURING CONSTRUCTION. NUMBER AND LOCATIONS OF TEMPORARY WOOD POLES AND AERIAL WIRING IS SHOWN AS AN EXAMPLE ONLY, AND ARE NOT LIMITED TO WHAT IS SHOWN ON THESE PLANS. PAYMENT FOR THIS WORK SHALL BE AS DESCRIBED IN NOTE 2 ABOVE.

LEGEND

	TEMPORARY TWIN LIGHT FIXTURES AND MAST ARMS 40' M.H., 2-12' M.A., 2-310W, 120V HPS LUMINAIRES ATTACHED TO TEMPORARY TRAFFIC SIGNALS WOOD POLE @ 90° CITY OF NAPERVILLE
	EXISTING LIGHTING UNIT TO REMAIN 40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE CITY OF NAPERVILLE
	EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED 40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE CITY OF NAPERVILLE
	EXISTING LIGHTING UNIT TO REMAIN DURING CONSTRUCTION AND BE USED AS TEMPORARY LIGHT POLE 40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE CITY OF NAPERVILLE
	NEW LOCATION OF EXISTING LIGHT POLES THAT ARE TO BE REMOVED AND RELOCATED CITY OF NAPERVILLE
	EXISTING LIGHTING CONTROLLER CABINET, SINGLE DOOR, CONSOLE TYPE, 100A, 120/240V, 1Ø CITY OF NAPERVILLE MAINTAINED
	EXISTING LIGHTING HANDHOLE TO REMAIN DURING THIS STAGE



USER NAME = james.push	DESIGNED - MAE	REVISED -
PLOT SCALE = 50.0000' / 1" IN.	DRAWN - MAE	REVISED -
PLOT DATE = 1/21/2016	CHECKED - DAD	REVISED -
	DATE - 01/20/2016	REVISED -

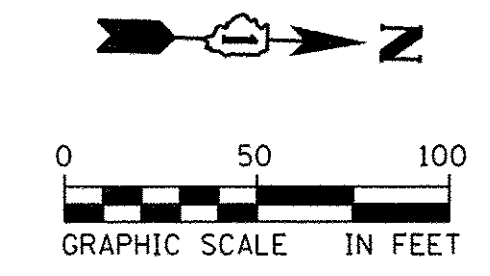
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**95TH STREET
TEMPORARY LIGHTING PLAN - STAGE 1 (SHEET 1 OF 2)**

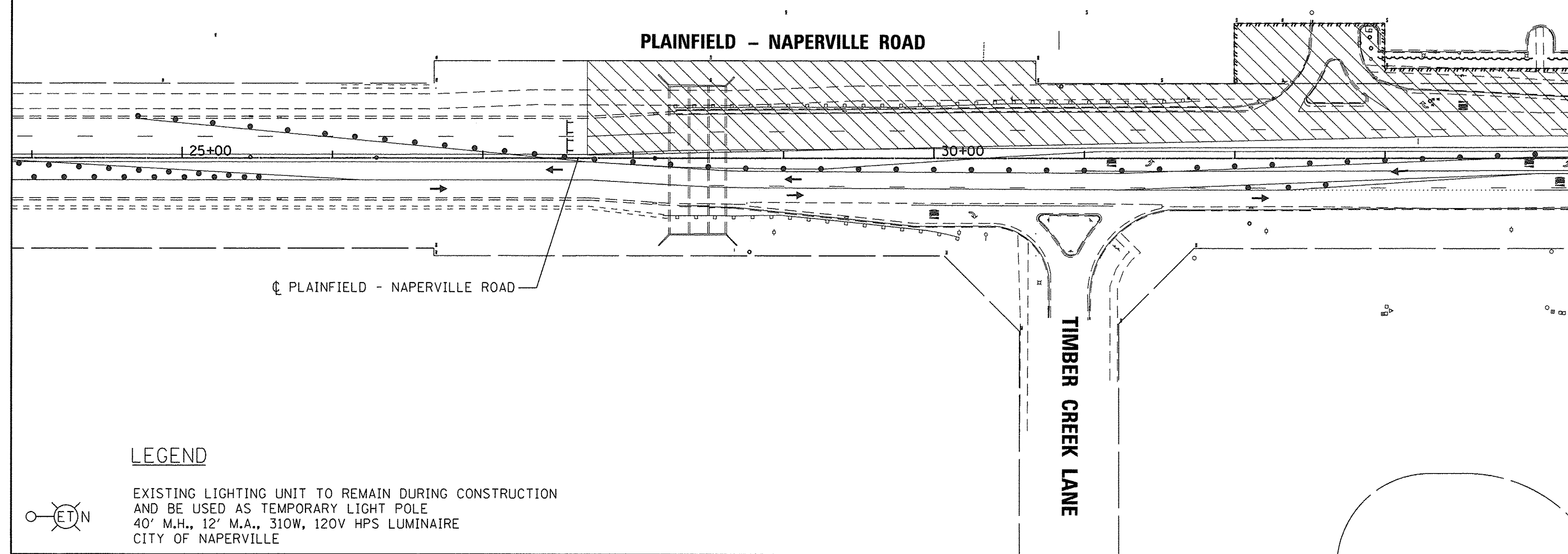
SCALE: 1"=50' DRAWING NO. 7 OF 15 STA. 291+70.56 TO STA. 309+00

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 84
CONTRACT NO. 61A30			ILLINOIS FED. AID PROJECT	

FILE NAME = p:\MCD004_25367381_95thDrwggs\Contract-Nor-th-Roadway\Lighting\95th-Light-013.dgn



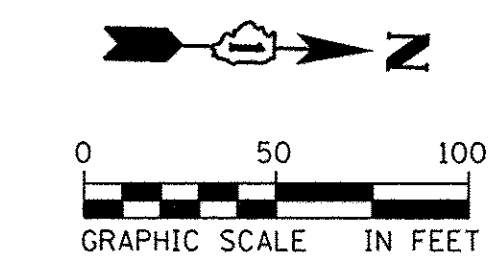
**IMPROVEMENT BEGINS
STATION 27+70.50**



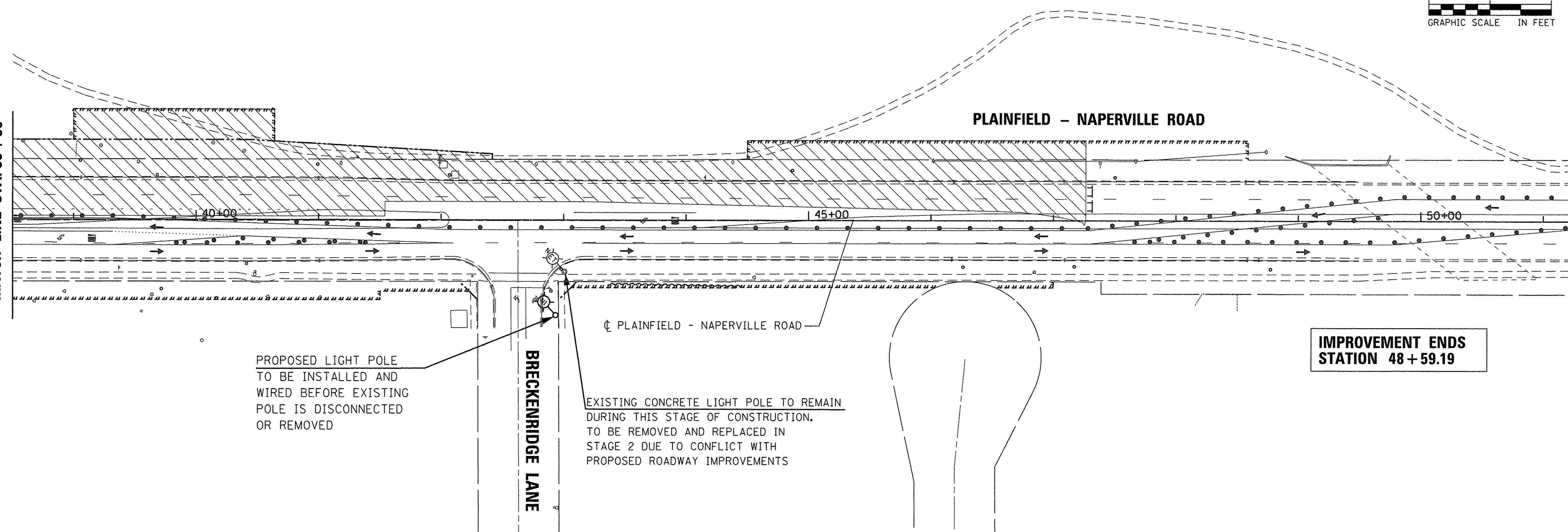
**MATCH LINE STA. 34+25
(SEE DRAWING NO. 7 OF 15)**

LEGEND

- EXISTING LIGHTING UNIT TO REMAIN DURING CONSTRUCTION AND BE USED AS TEMPORARY LIGHT POLE
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE
CITY OF NAPERVILLE
- PROPOSED LIGHTING UNIT
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE
CITY OF NAPERVILLE



**(SEE DRAWING NO. 7 OF 15)
MATCH LINE STA. 38+50**



**IMPROVEMENT ENDS
STATION 48+59.19**

PROPOSED LIGHT POLE
TO BE INSTALLED AND
WIRED BEFORE EXISTING
POLE IS DISCONNECTED
OR REMOVED

EXISTING CONCRETE LIGHT POLE TO REMAIN
DURING THIS STAGE OF CONSTRUCTION.
TO BE REMOVED AND REPLACED IN
STAGE 2 DUE TO CONFLICT WITH
PROPOSED ROADWAY IMPROVEMENTS

FILE NAME = ps:\MCD04_26367381_95th\Drawings\Contract-North\Roadway\Lighting\Sh1-Light-017.dgn



USER NAME = james.push	DESIGNED - MAE	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN - MAE	REVISED -
PLOT DATE = 1/21/2016	CHECKED - DAD	REVISED -
	DATE - 01/20/2016	REVISED -

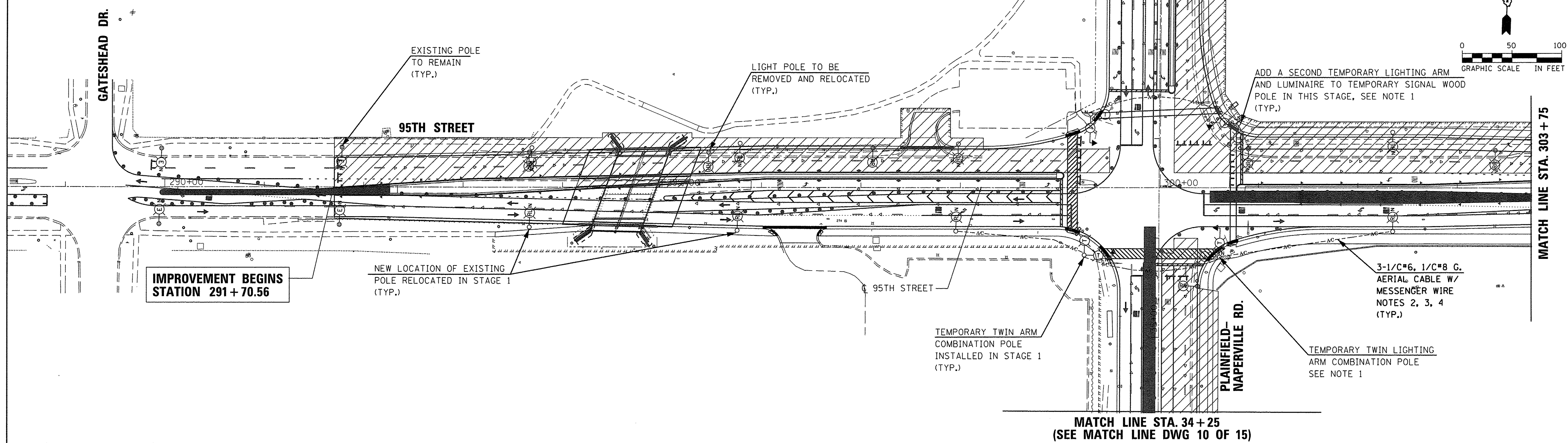
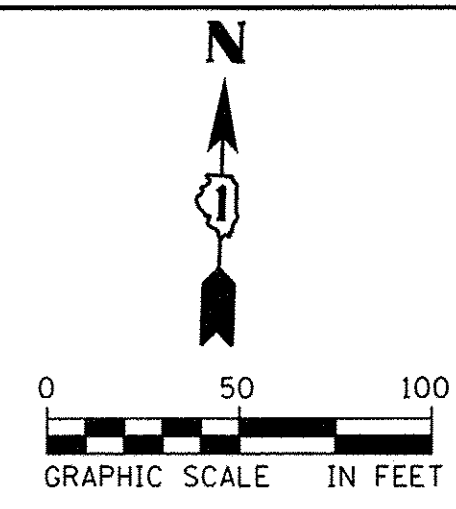
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD-NAPERVILLE ROAD
TEMPORARY LIGHTING PLAN - STAGE 1 (SHEET 2 OF 2)**

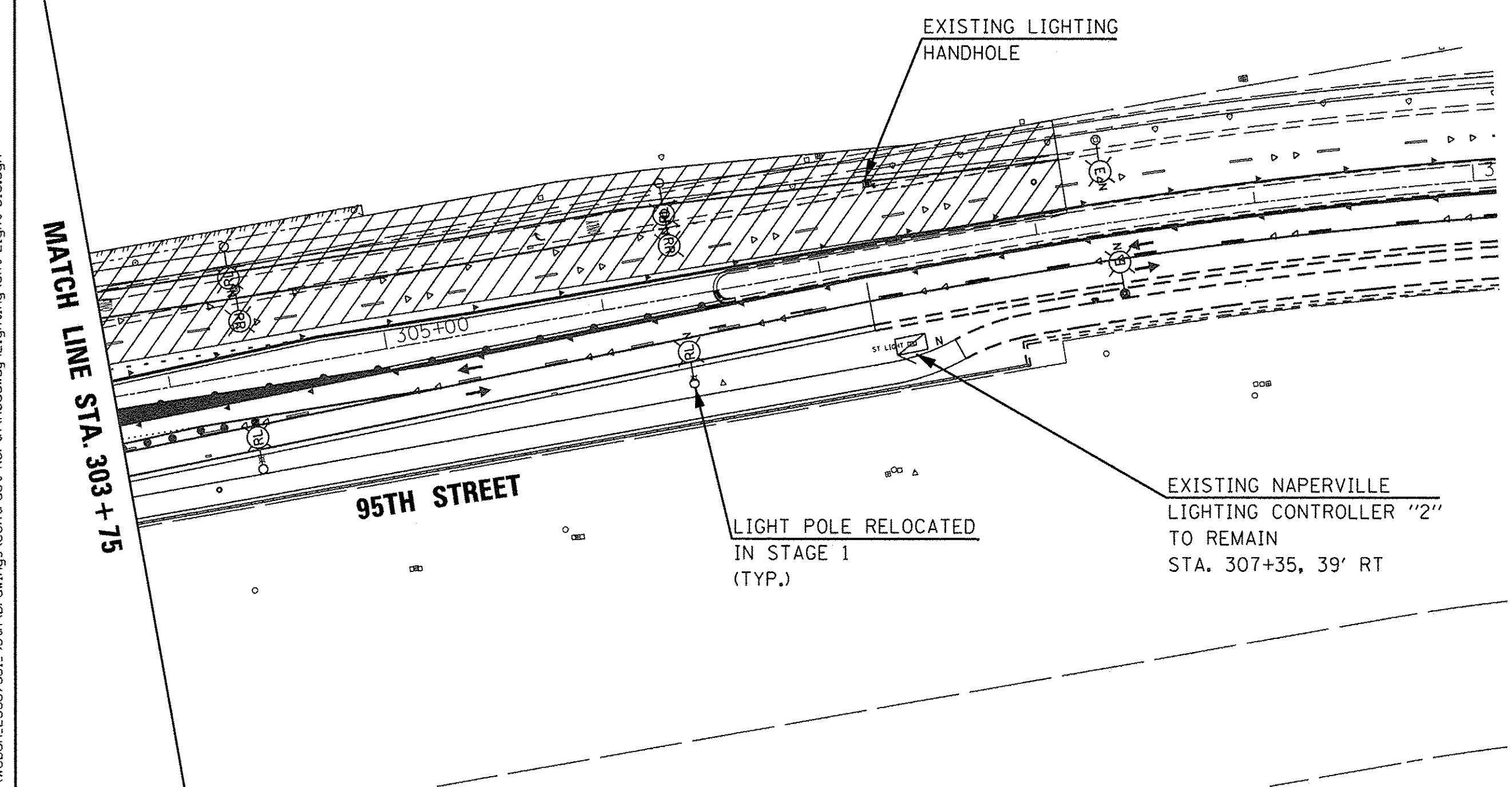
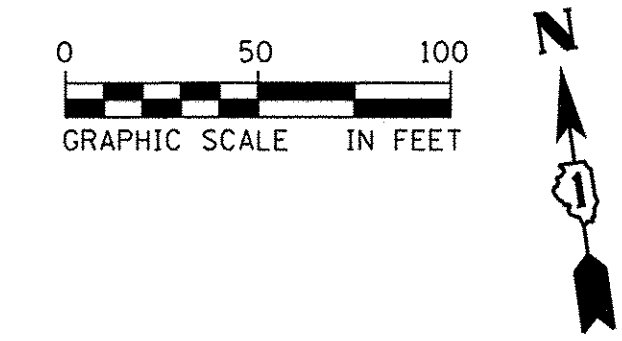
SCALE: 1"=50' DRAWING NO. 8 OF 15 STA. 27+70.50 TO STA. 48+59.19

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	85
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

(SEE MATCH LINE DWG 10 OF 15)
MATCH LINE STA. 38+50



MATCH LINE STA. 34+25
(SEE MATCH LINE DWG 10 OF 15)



- LEGEND**
- TEMPORARY TWIN LIGHT FIXTURES AND MAST ARMS - NAPERVILLE 40' M.H., 2-12' M.A., 2-310W, 120V HPS LUMINAIRES ATTACHED TO TEMPORARY TRAFFIC SIGNALS WOOD POLE @ 90°
 - EXISTING LIGHTING UNIT TO REMAIN 40' M.H., 12' M.A., 400W, 240V HPS LUMINAIRE CITY OF NAPERVILLE
 - EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED 40' M.H., 12' M.A., 400W, 240V HPS LUMINAIRE CITY OF NAPERVILLE
 - EXISTING LIGHTING UNIT TO REMAIN DURING CONSTRUCTION AND BE USED AS TEMPORARY LIGHT POLE 40' M.H., 12' M.A., 400W, 240V HPS LUMINAIRE CITY OF NAPERVILLE
 - NEW LOCATION OF EXISTING LIGHT POLES THAT ARE TO BE REMOVED AND RELOCATED CITY OF NAPERVILLE
 - EXISTING LIGHTING CONTROLLER CABINET, SINGLE DOOR, CONSOLE TYPE, 100A, 120/240V, 1Ø CITY OF NAPERVILLE MAINTAINED

- NOTES:**
1. FURNISH AND INSTALL A SECOND LIGHTING MAST ARM AND A LUMINAIRE ON THE TEMPORARY TRAFFIC SIGNAL WOOD POLES IN THE LOCATIONS SHOWN. THIS WORK SHALL BE DONE BEFORE THE EXISTING LIGHT POLES ARE DISCONNECTED OR REMOVED.
 2. THE CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING EQUIPMENT IN A FULLY OPERATIONAL STATE ON THE TRAFFIC SIDE OF THE ROADWAY. THE CONTRACTOR SHALL REWIRE EXISTING LIGHTING CIRCUITS, AS NECESSARY, TO KEEP THE LIGHT POLES OPERATIONAL DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AND INSTALL ANY EQUIPMENT, MATERIALS, AND LABOR NECESSARY TO ACCOMPLISH THIS GOAL INCLUDING WOOD POLES, TEMPORARY WIRING (UNDERGROUND AND AERIAL) OF POLES, LUMINAIRES AND LIGHTING CONTROLLERS. THIS WORK SHALL BE PAID FOR UNDER PAY ITEM "MAINTAIN EXISTING LIGHTING SYSTEM".
 3. ALL LIGHTING RELATED EQUIPMENT, MATERIALS AND LABOR FURNISHED AND INSTALLED BY THE CONTRACTOR DURING CONSTRUCTION TO MAINTAIN THE OPERATION OF THE EXISTING LIGHTING SYSTEM SHALL BE PAID FOR UNDER PAY ITEM "MAINTAIN EXISTING LIGHTING SYSTEM". THIS PAYMENT SHALL INCLUDE ALL MATERIALS AND EQUIPMENT NOT SPECIFICALLY SHOWN ON THE PLANS, BUT ARE NECESSARY TO MAINTAIN THE OPERATION OF THE LIGHTING SYSTEM DURING CONSTRUCTION.
 4. FURNISH AND INSTALL AERIAL CABLES AND WOOD POLES TO SUPPORT CABLES IF PERMANENT UNDERGROUND WIRING CANNOT BE INSTALLED IN THIS STAGE, OR EXISTING WIRING CANNOT BE MAINTAINED DURING CONSTRUCTION. NUMBER AND LOCATIONS OF TEMPORARY WOOD POLES AND AERIAL WIRING IS SHOWN AS AN EXAMPLE ONLY, AND ARE NOT LIMITED TO WHAT IS SHOWN ON THESE PLANS. PAYMENT FOR THIS WORK SHALL BE AS DESCRIBED IN NOTE 2 ABOVE.

FILE NAME = p:\WCD04_25367381_95th\Drawings\Contract\North\Roadway\Lighting\Shk-Light-018.dgn



USER NAME = james.push	DESIGNED - MAE	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN - MAE	REVISED -
PLOT DATE = 1/21/2016	CHECKED - DAD	REVISED -
	DATE - 01/20/2016	REVISED -

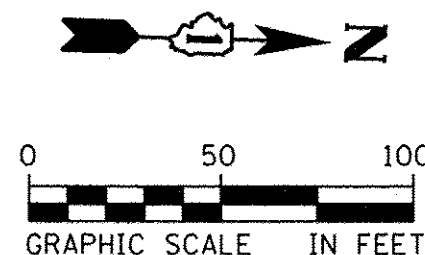
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**95TH STREET
TEMPORARY LIGHTING PLAN - STAGE 2 (SHEET 1 OF 2)**

SCALE: 1"=50' DRAWING NO. 9 OF 15 STA. 291+70.56 TO STA. 309+00

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 86
CONTRACT NO. 61A30			ILLINOIS FED. AID PROJECT	

**IMPROVEMENT BEGINS
STATION 27 + 70.50**



PLAINFIELD - NAPERVILLE ROAD

**MATCH LINE STA. 34 + 25
(SEE DRAWING NO. 9 OF 15)**

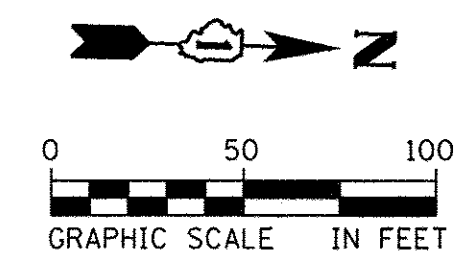
PLAINFIELD - NAPERVILLE ROAD

TIMBER CREEK LANE

LEGEND

EXISTING LIGHTING UNIT TO BE REMOVED AND RELOCATED
32' M.H., 12' M.A., 400W, 120V HPS LUMINAIRE
CITY OF NAPERVILLE

PROPOSED LIGHTING UNIT
40' M.H., 12' M.A., 310W, 120V HPS LUMINAIRE
WITH INTEGRAL PHOTOCELL OPTION
CITY OF NAPERVILLE



**MATCH LINE STA. 38 + 50
(SEE DRAWING NO. 9 OF 15)**

PLAINFIELD - NAPERVILLE ROAD

PLAINFIELD - NAPERVILLE ROAD

**IMPROVEMENT ENDS
STATION 48 + 59.19**

FURNISH AND INSTALL
NEW POLE IN THIS STAGE
SEE PROPOSED LIGHTING
PLANS FOR DETAILS
NOTES 1, 2

BRECKENRIDGE LANE

EXISTING CONCRETE LIGHT POLE
TO BE REMOVED AND REPLACED
IN THIS STAGE, SEE NOTES 1, 2

FILE NAME = p:\MCD004_25367281_95thDrawings\Contract-NorthRoadway\Lighting\Sheet-Light-022.dgn



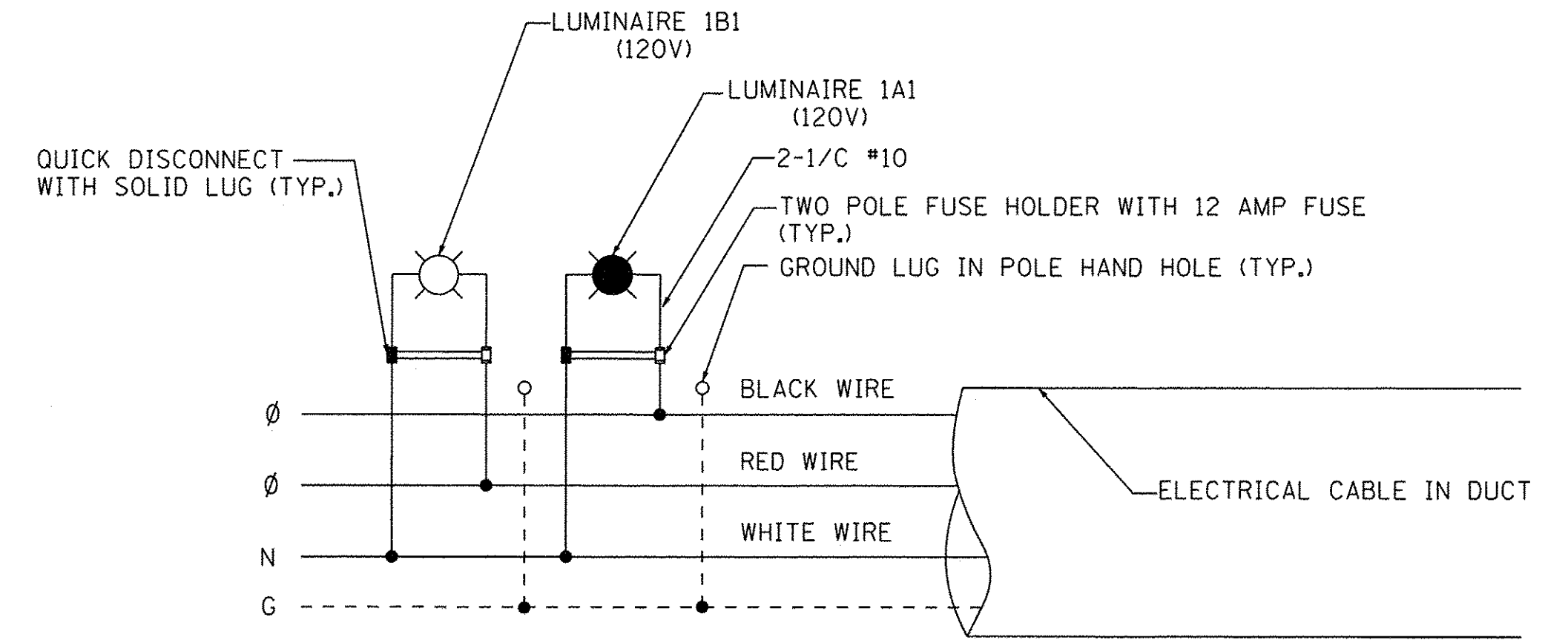
USER NAME = james.push	DESIGNED - MAE	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN - MAE	REVISED -
PLOT DATE = 1/21/2016	CHECKED - DAD	REVISED -
	DATE - 01/20/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

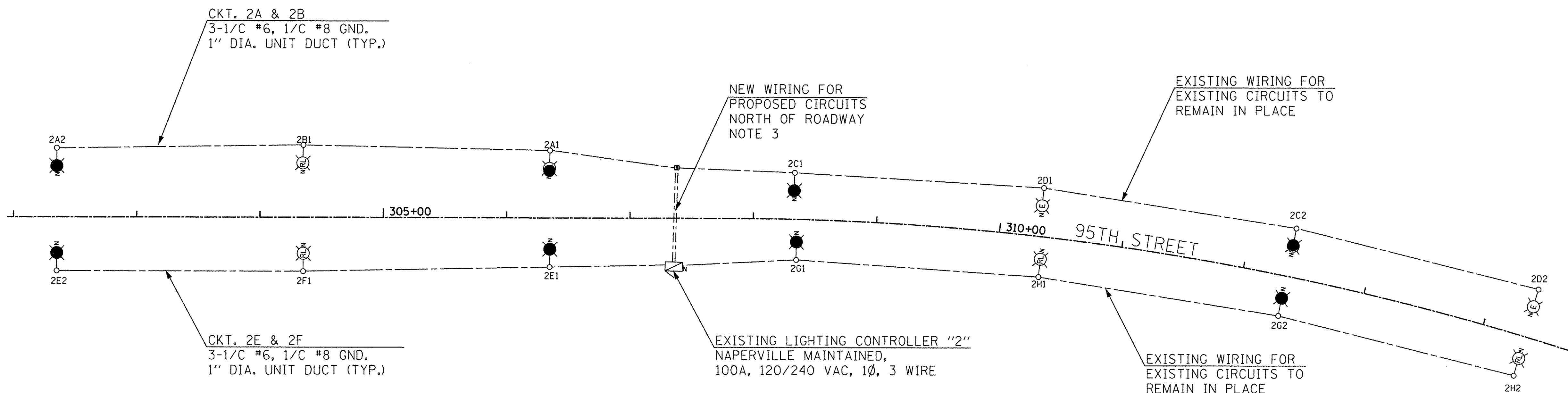
**PLAINFIELD-NAPERVILLE ROAD
TEMPORARY LIGHTING PLAN - STAGE 2 (SHEET 2 OF 2)**

SCALE: 1"=50' DRAWING NO. 10 OF 15 STA. 27+70.50 TO STA. 48+59.19

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	87
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				



DETAIL "A"
LUMINAIRE WIRING CONNECTION (TYP.)



LOAD TABLE
PROPOSED LIGHTING CONTROLLER "2"
(@ 120 VOLTS)

CIRCUIT	BLACK PHASE		CIRCUIT	RED PHASE	
	AMPS	WATTS		AMPS	WATTS
A	6.2	744	B	3.1	372
C	6.2	744	D	6.2	744
E	6.2	744	F	3.1	372
G	6.2	744	H	6.2	744
TOTAL	24.8	2976	TOTAL	18.6	2232

TOTAL LOAD ON CONTROLLER (@120 V): 43.4 AMP

NOTES:

- ELECTRIC SERVICES FOR ALL NAPERVILLE MAINTAINED LIGHTING CONTROLLERS SHALL BE FED FROM NAPERVILLE DEPARTMENT OF PUBLIC UTILITIES-ELECTRICAL (NDPU-E) DESIGNATED SERVICE TRANSFORMERS OR PEDESTALS.
- ALL ELECTRIC SERVICE AND BRANCH CIRCUIT CONDUCTORS SHALL BE XLP TYPE USE-2.
- FURNISH AND INSTALL WIRING FOR ALL CIRCUITS AS SHOWN.

LEGEND

- EXISTING LIGHTING CONTROLLER, SINGLE DOOR, 100A, 120/240V, 1Ø CITY OF NAPERVILLE MAINTAINED
- PROPOSED/RELOCATED/EXISTING LIGHTING UNIT 40' M.H., 12' M.A., 310W HPS TYPE MC-III, 120V LUMINAIRE (BLACK PHASE)
- PROPOSED/RELOCATED/EXISTING LIGHTING UNIT 40' M.H., 12' M.A., 310W HPS TYPE MC-III, 120V LUMINAIRE (RED PHASE)
- PROPOSED ELECTRIC SERVICE PEDESTAL

FILE NAME = p:\VCD001_25367381_95thDrawings\Contract-Naperville\Roadway Lighting\95thLight-021-N-2_Wiring.dgn

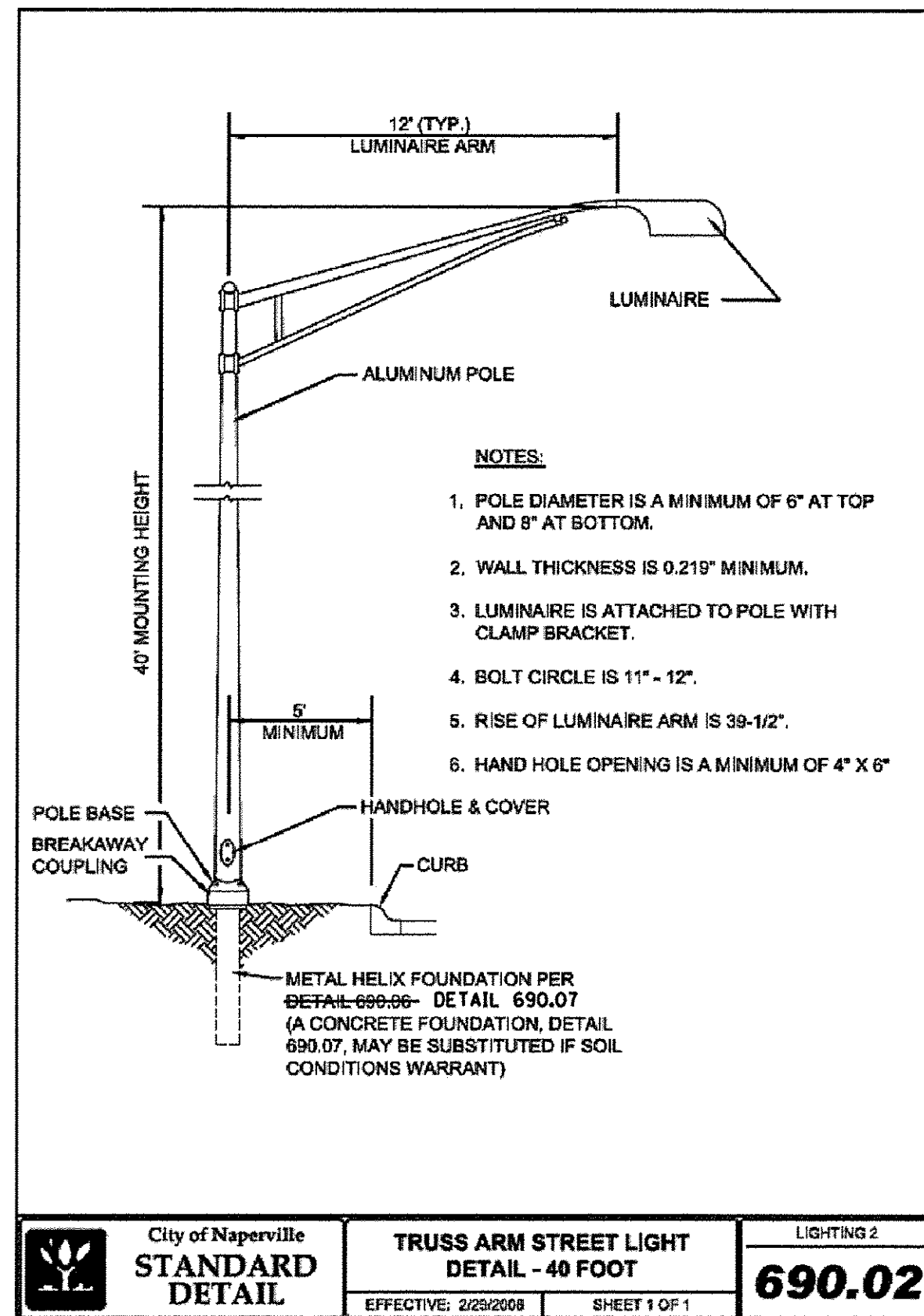


USER NAME = james.push	DESIGNED - MAE	REVISED -
PLOT SCALE = 50.0000' / 1 in.	DRAWN - MAE	REVISED -
PLOT DATE = 1/21/2016	CHECKED - DAD	REVISED -
	DATE - 01/20/2016	REVISED -

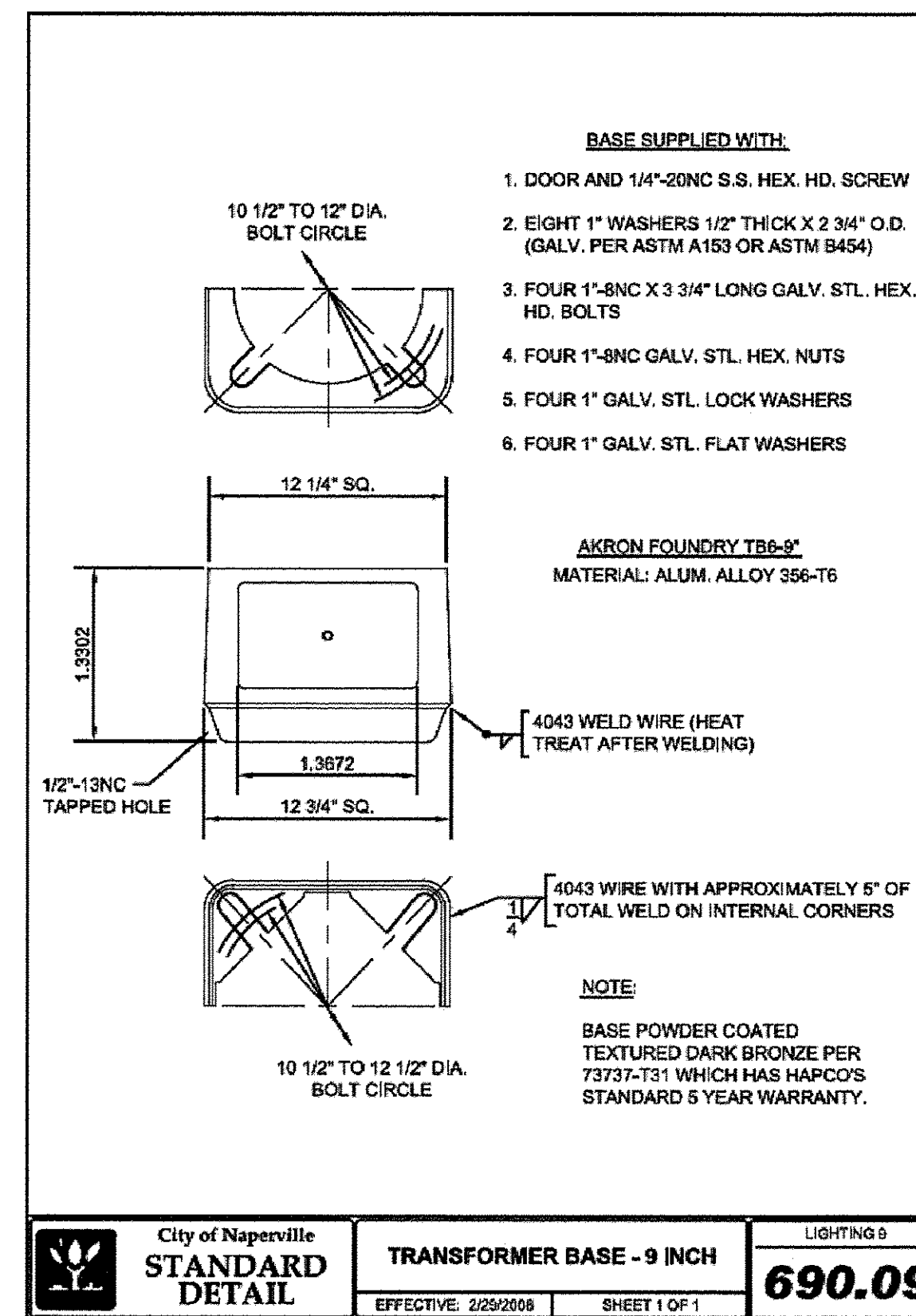
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

95TH STREET PROPOSED WIRING DIAGRAM - NAPERVILLE CONTROLLER "2"	
SCALE: NONE	DRAWING NO. 12 OF 15
STA. 291+70.56 TO STA. 318+75	

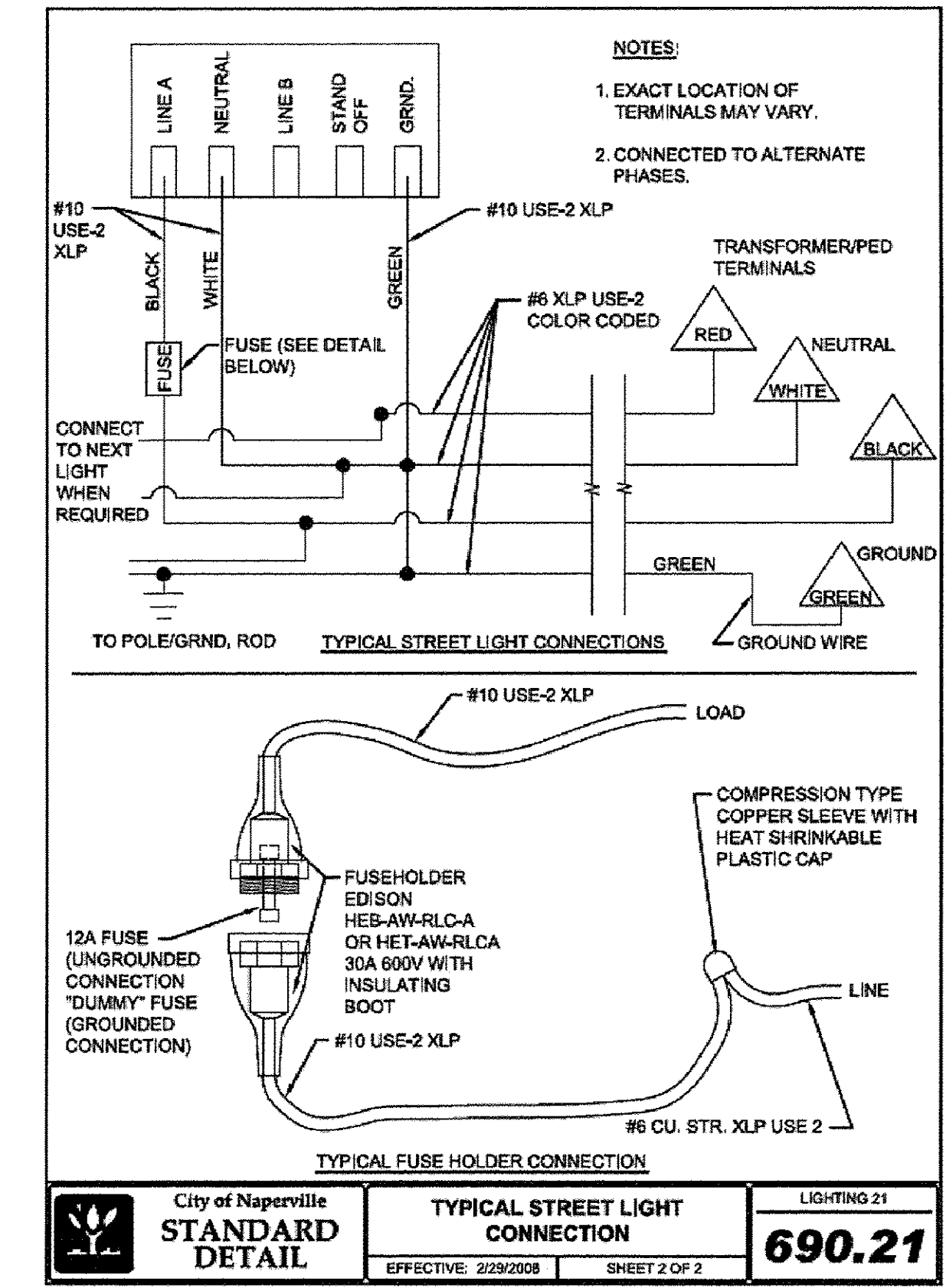
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	89
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				



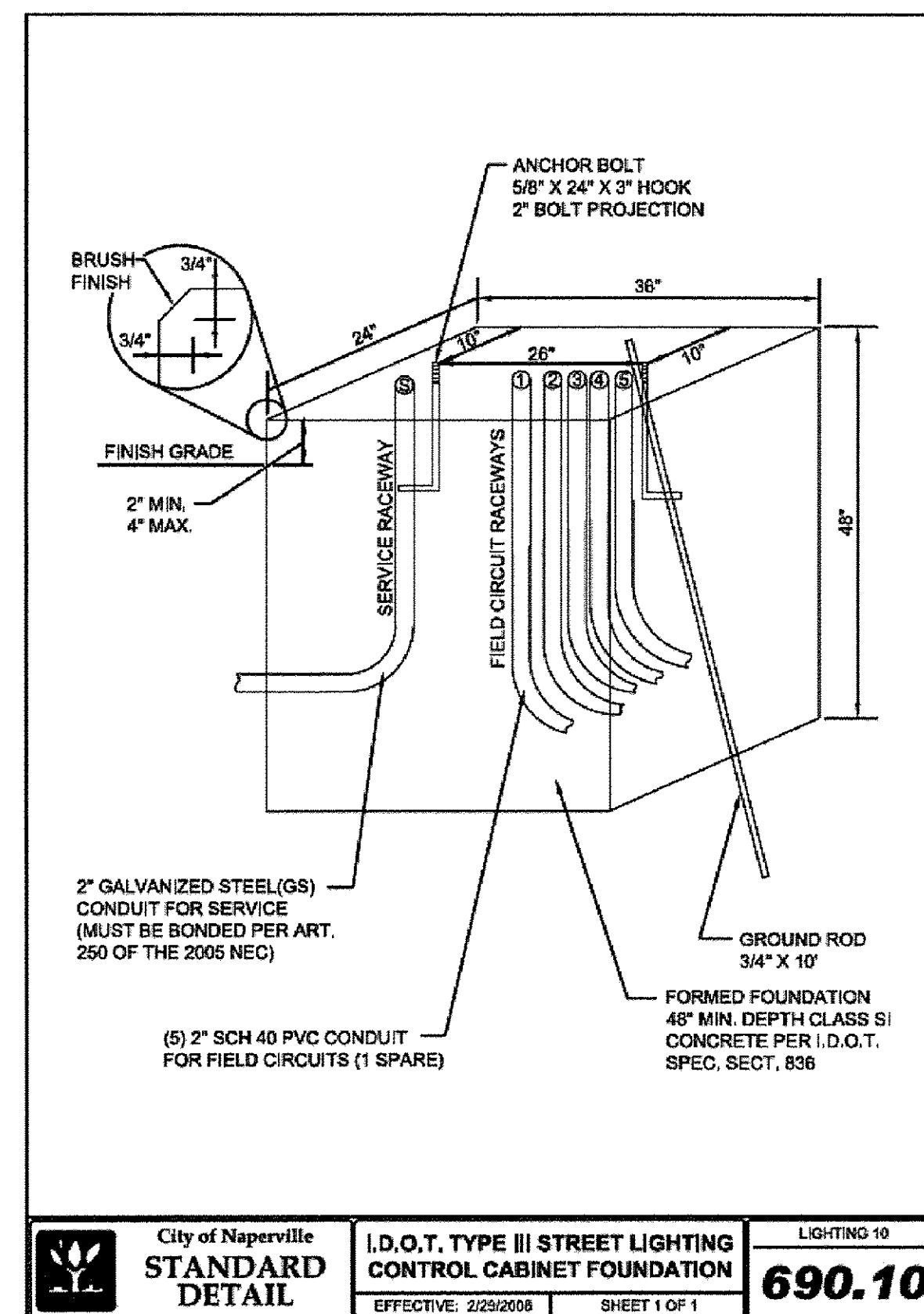
City of Naperville
STANDARD DETAIL
TRUSS ARM STREET LIGHT
DETAIL - 40 FOOT
EFFECTIVE: 2/29/2008 SHEET 1 OF 1
LIGHTING 2
690.02



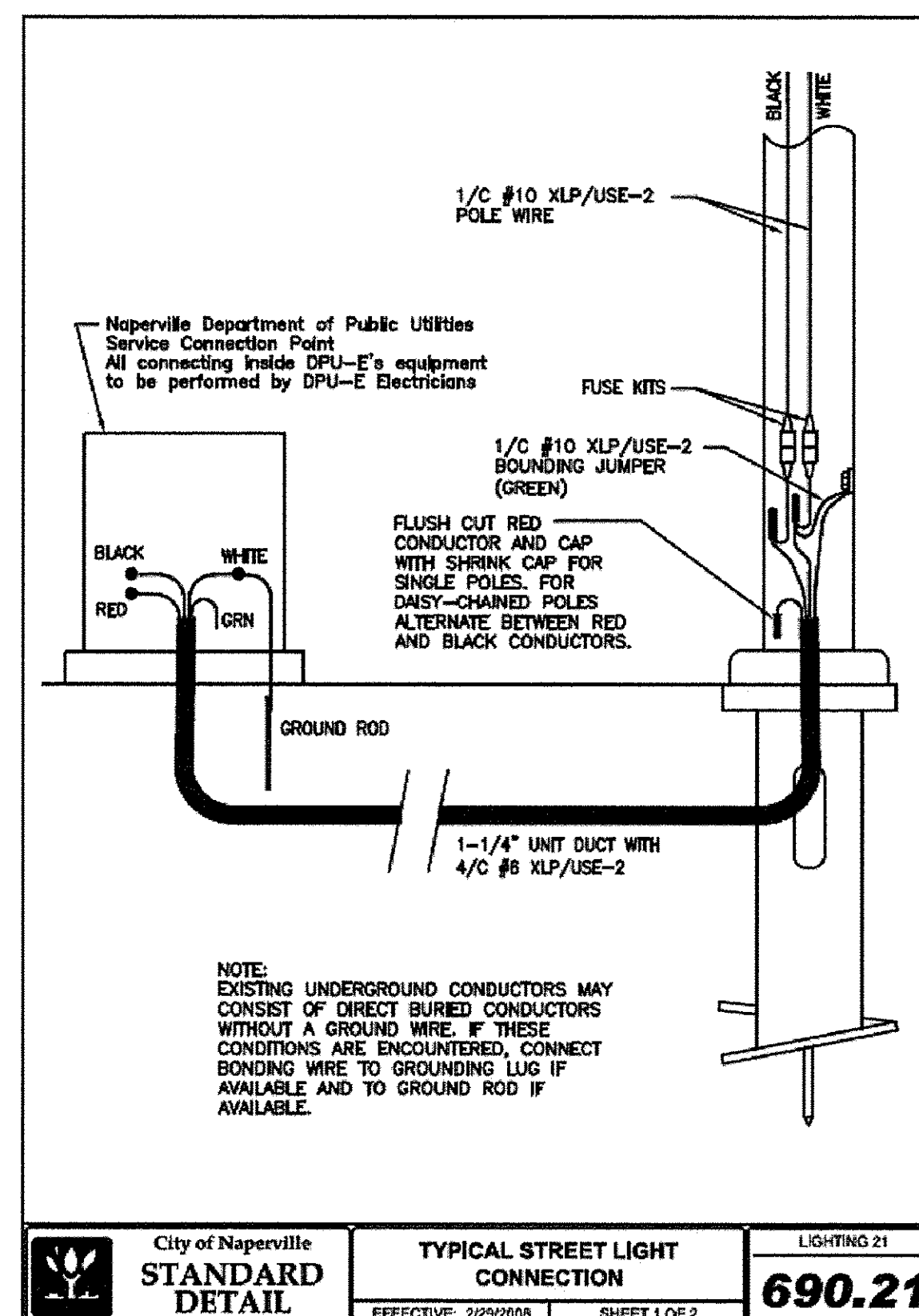
City of Naperville
STANDARD DETAIL
TRANSFORMER BASE - 9 INCH
EFFECTIVE: 2/29/2008 SHEET 1 OF 1
LIGHTING 9
690.09



City of Naperville
STANDARD DETAIL
TYPICAL STREET LIGHT CONNECTION
EFFECTIVE: 2/29/2008 SHEET 2 OF 2
LIGHTING 21
690.21



City of Naperville
STANDARD DETAIL
I.D.O.T. TYPE III STREET LIGHTING CONTROL CABINET FOUNDATION
EFFECTIVE: 2/29/2008 SHEET 1 OF 1
LIGHTING 10
690.10



City of Naperville
STANDARD DETAIL
TYPICAL STREET LIGHT CONNECTION
EFFECTIVE: 2/29/2008 SHEET 1 OF 2
LIGHTING 21
690.21

FILE NAME = p:\MCD\25367381_95th\Drawings\Contract\North\Roadway\Lighting\Light-033_Naperville_Standard.dgn



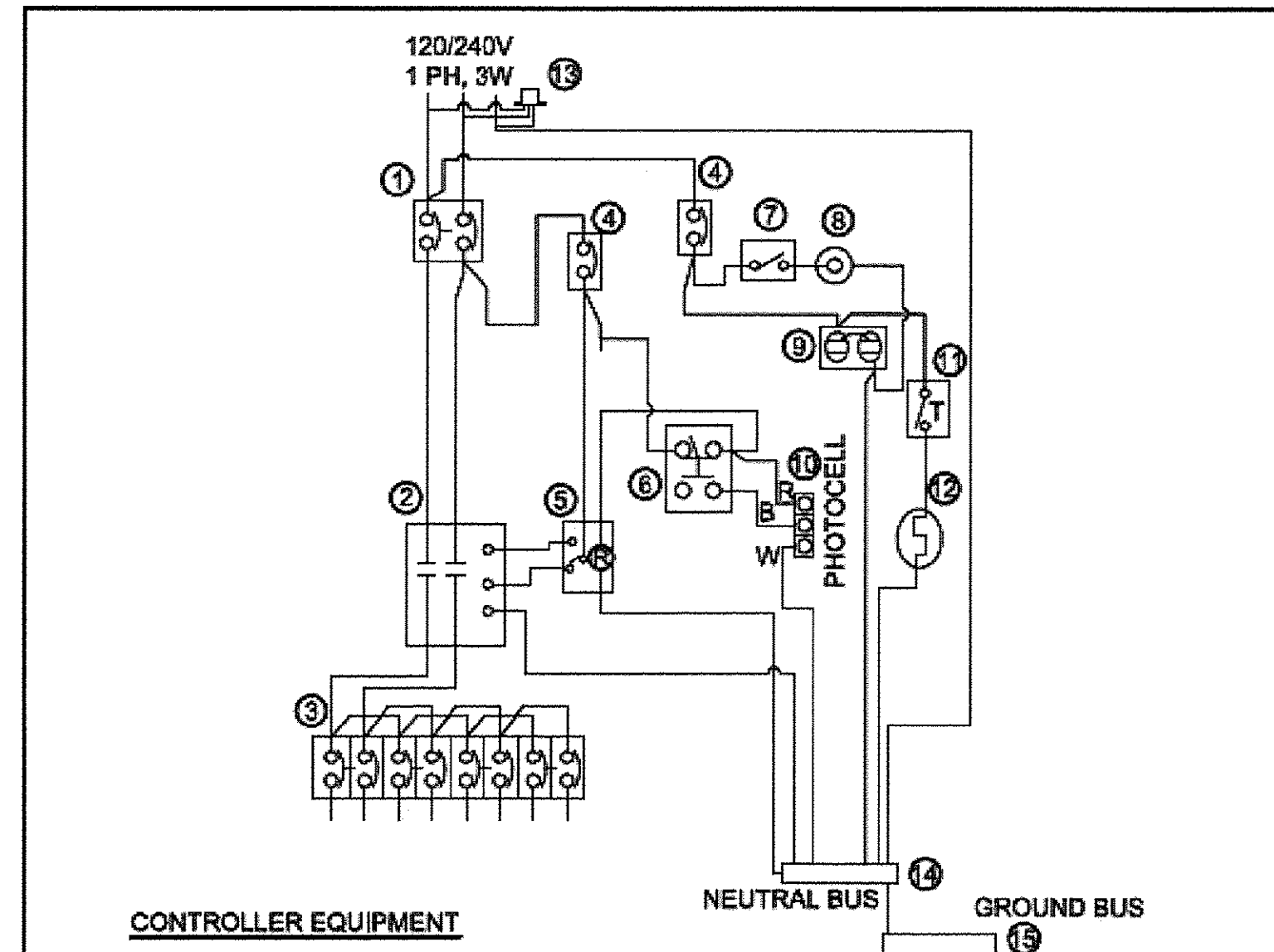
USER NAME = james.push	DESIGNED - MAE	REVISED -
PLOT SCALE = 50.0000' / 1" =	DRAWN - MAE	REVISED -
PLOT DATE = 1/21/2016	CHECKED - DAD	REVISED -
	DATE - 01/20/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

95TH STREET
CITY OF NAPERVILLE LIGHTING STANDARD DETAILS

SCALE: NONE DRAWING NO. 13 OF 15 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	90
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

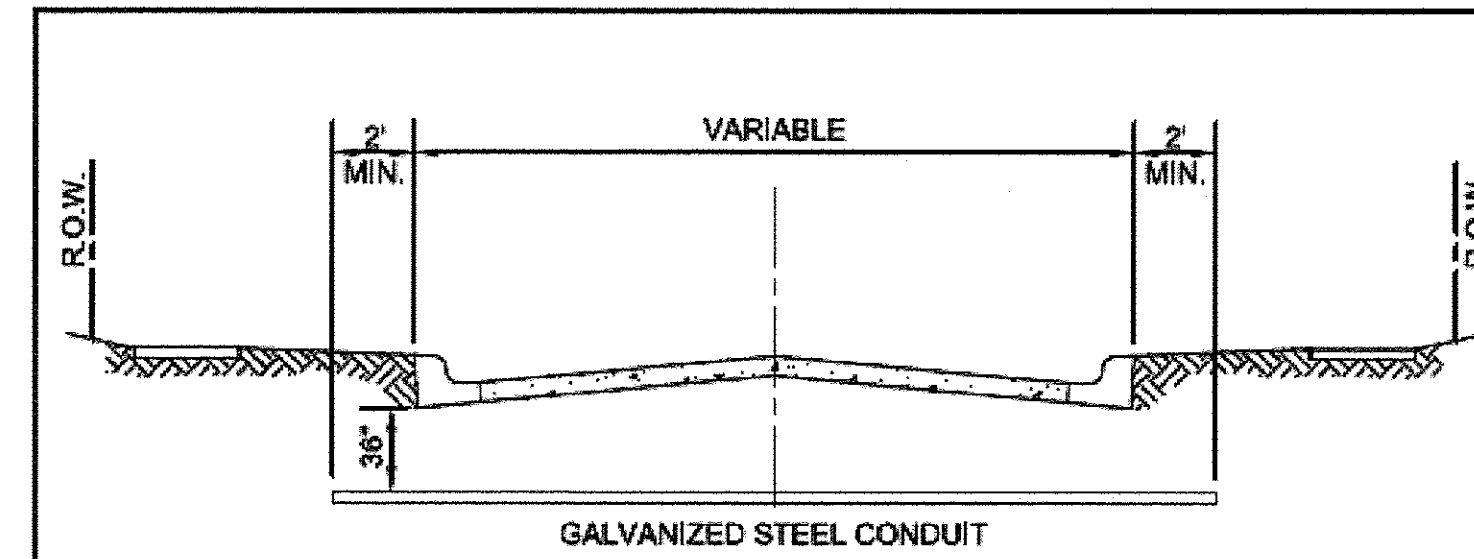


CONTROLLER EQUIPMENT

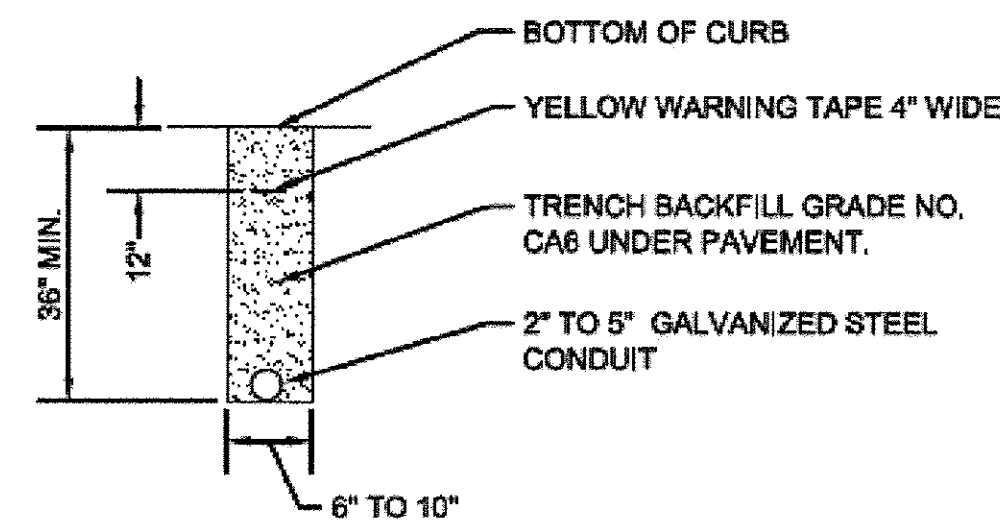
1. 100 AMPERE MAIN BREAKER, 2 POLE, 240 VOLT, JDB 2100
 2. 100 AMPERE CONTACTOR, 2 POLE, SINGLE THROW, ELECTRICALLY OPERATED AND MECHANICALLY HELD REMOTE SWITCH, 120 VOLT, ASCO 2P, 100 AMP, MODEL NUMBER 920210031.
 3. EIGHT (8) 35 AMPERE, 1 POLE CIRCUIT BREAKERS, 120 VOLT, "I-LINE".
 4. CONTROL BREAKER, 1 POLE, 15 AMPERE, WE GC1015.
 5. RELAY, DPT, 120 VOLT, ON-DELAY, MAGNACRAFT W211ACPSOX-7.
 6. 15 AMPERE, HOA SWITCH, 120 VOLT, SQUARE D MANUAL RETURN KS43FBH13, NEMA 4X ENCLOSURE.
 7. SPST 20 AMPERE SWITCH.
 8. INCANDESCENT LIGHT FIXTURE OF THE ENCLOSED GASKETED TYPE, CROUSE HINDS VXHF15GP.
 9. 20 AMPERE DUPLEX RECEPTACLE, GFCI.
 10. PHOTOCELL TERMINAL BLOCK.
 11. THERMOSTAT, GRAINGER 2E552.
 12. HEATING STRIP, 150 WATT GRAINGER 2E919
 13. SURGE PROTECTOR, SQUARE D SP-11100
 14. NEUTRAL BUS BAR, 1/4" X 1" X 12", COLOR CODED WHITE, LABELED "NEUTRAL".
 15. GROUND BUS BAR, 1/4" X 1" X 12", COLOR CODED GREEN, LABELED "GROUND".
- 120 VOLT, 60 HERTZ, PHOTO ELECTRIC CELL (D-T-L) UNIT DUCT, 1-1/4", FOR PHOTOCELL CABLE (3/C-#10 USE-2/XLP) IF CONDUIT TO NEAREST POLE IS NOT AVAILABLE

<p>City of Naperville STANDARD DETAIL</p>	<p>STREET LIGHTING CONTROLLER SCHEMATIC</p>	<p>LIGHTING 22</p>
	<p>EFFECTIVE: 2/29/2008</p>	<p>SHEET 1 OF 1</p>

ALL ITEMS AS SHOWN OR APPROVED EQUAL.



STREET CROSSING

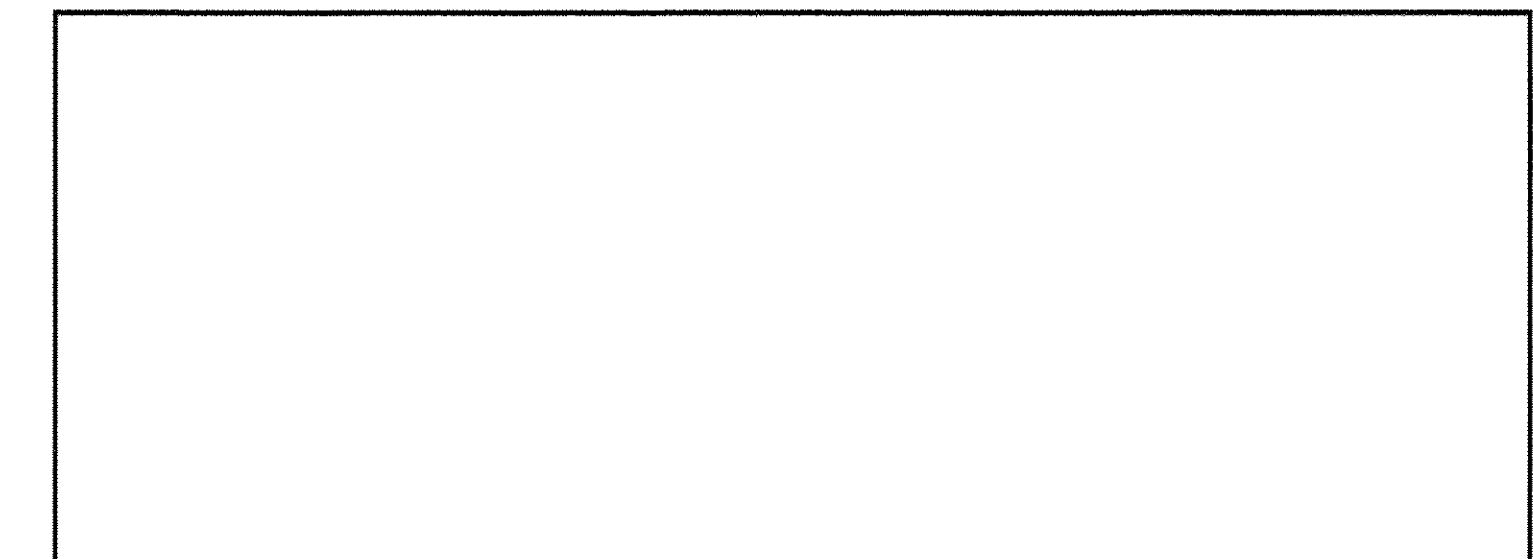


TRENCH SECTION

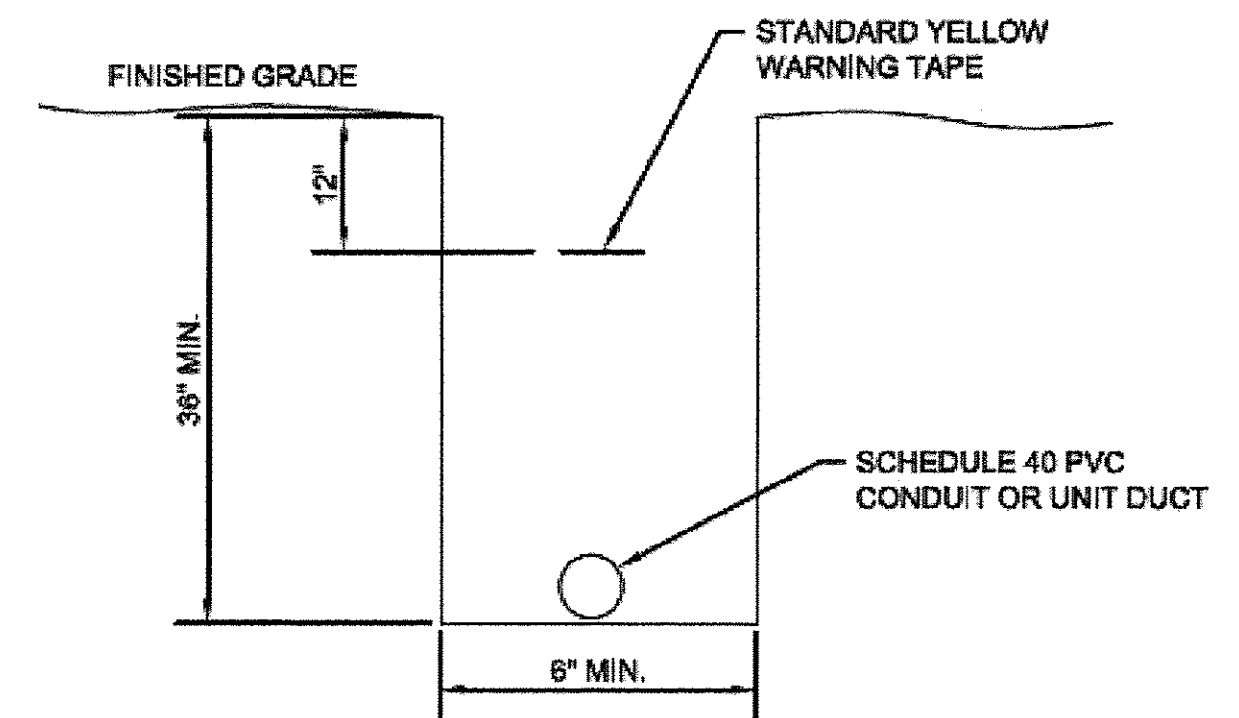
NOTES:

1. CONDUIT SHALL BE GALVANIZED STEEL CONDUIT.
2. CONDUIT SHALL EXTEND A MINIMUM OF 2' BEYOND BACK OF CURB.
3. CONDUIT SHALL BE A MINIMUM OF 36" BELOW CURB BOTTOM.

<p>City of Naperville STANDARD DETAIL</p>	<p>ELECTRIC CONDUIT UNDER PAVEMENT</p>	<p>LIGHTING 30</p>
	<p>EFFECTIVE: 2/29/2008</p>	<p>SHEET 1 OF 1</p>



UNDERGROUND ELECTRIC CONDUIT



<p>City of Naperville STANDARD DETAIL</p>	<p>TYPICAL TRENCH DETAIL</p>	<p>LIGHTING 31</p>
	<p>EFFECTIVE: 2/29/2008</p>	<p>SHEET 1 OF 1</p>

FILE NAME = p:\MCD\25367381_95th\Drawings\Contract\North\Roadway\Lighting\Std-Light-934-Naperville_Standard.dgn



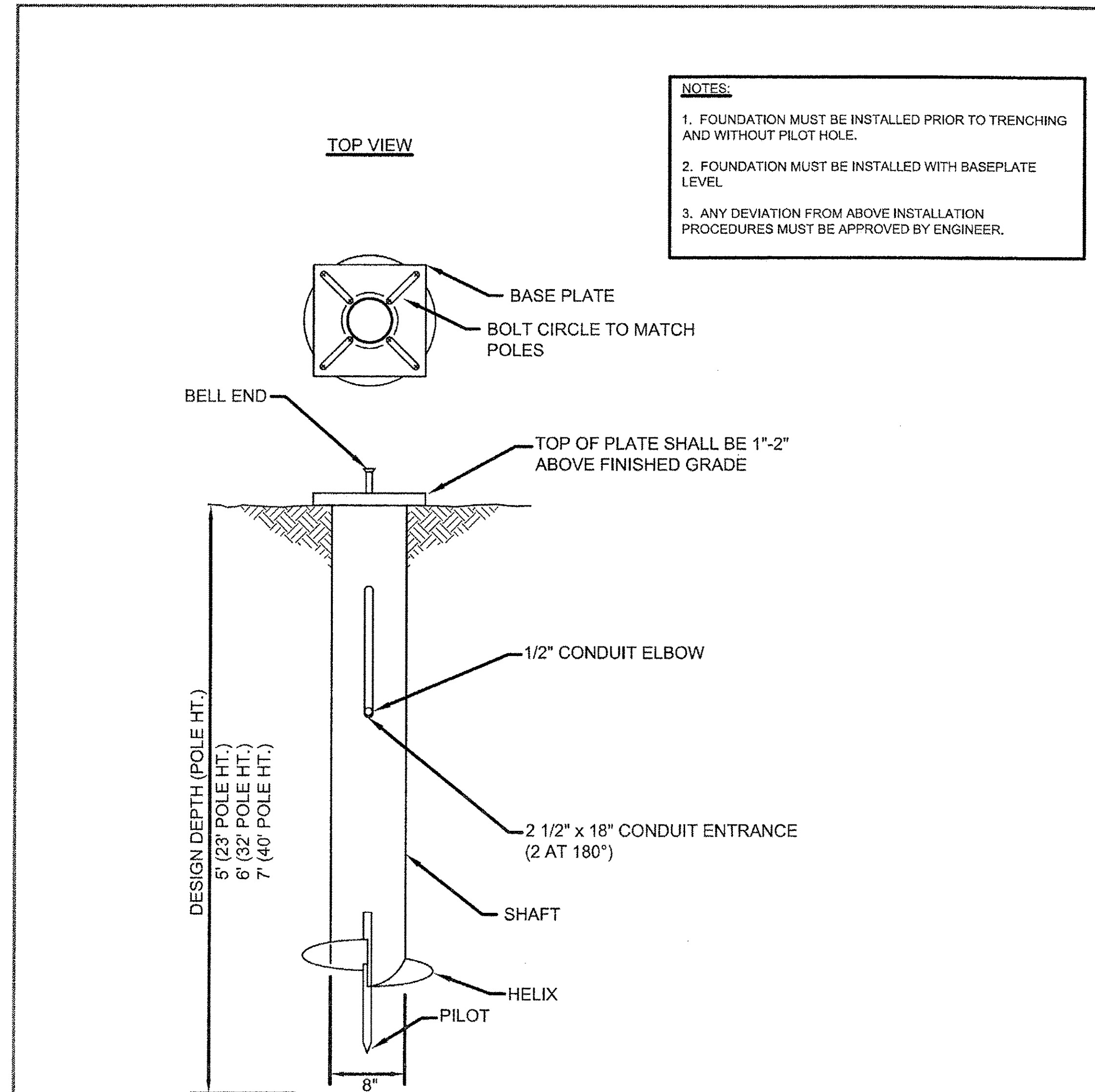
USER NAME = james.push	DESIGNED - MAE	REVISED -
PLOT SCALE = 50.0000 1 / in.	DRAWN - MAE	REVISED -
PLOT DATE = 1/21/2016	CHECKED - DAD	REVISED -
	DATE - 01/20/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

95TH STREET
LIGHTING STANDARD DETAILS

SCALE: NONE DRAWING NO. 14 OF 15 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	91
CONTRACT NO. 61A30				
[ILLINOIS] FED. AID PROJECT				



NOTES:

1. FOUNDATION MUST BE INSTALLED PRIOR TO TRENCHING AND WITHOUT PILOT HOLE.
2. FOUNDATION MUST BE INSTALLED WITH BASEPLATE LEVEL
3. ANY DEVIATION FROM ABOVE INSTALLATION PROCEDURES MUST BE APPROVED BY ENGINEER.

FOUNDATION

SHAFT: ASTM A53 SCHEDULE 4 Ø, GRADE B.
 ASTM A501 OR ASTM A252, GRADE 2.

BASE PLATE: ASTM A36

HELIX: ASTM A29

PILOT: ASTM 575

GALVANIZED FOUNDATION PER ASTM A153 AFTER FABRICATION.

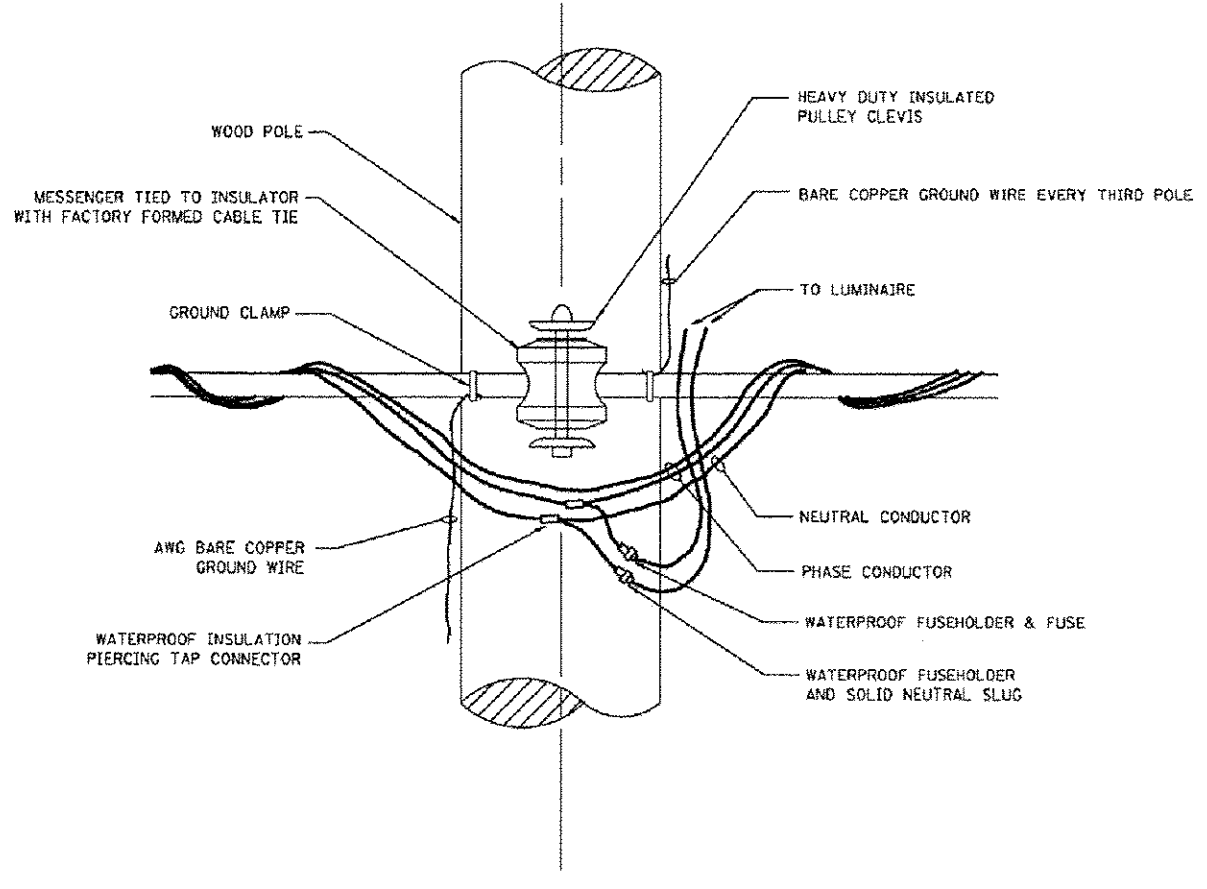
HARDWARE

CARRIAGE BOLTS: SAE J429 GRADE 5 GALVANIZED A153 CLASS C

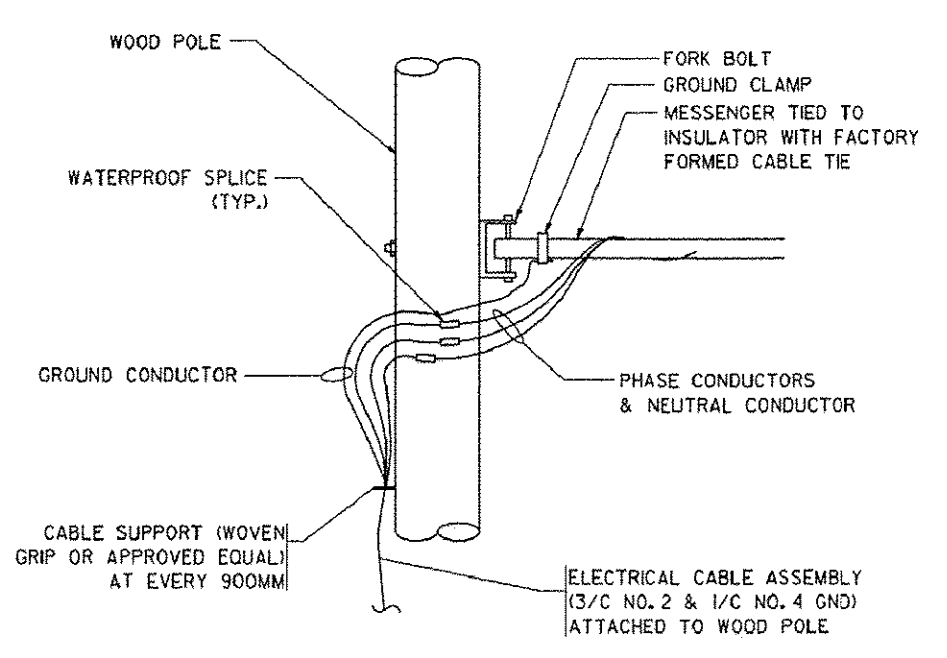
HEAVY HEX NUTS: ASTM A563 GRADE D OR DH GALVANIZED A153

WASHERS: ASTM F436 GALVANIZED A 153

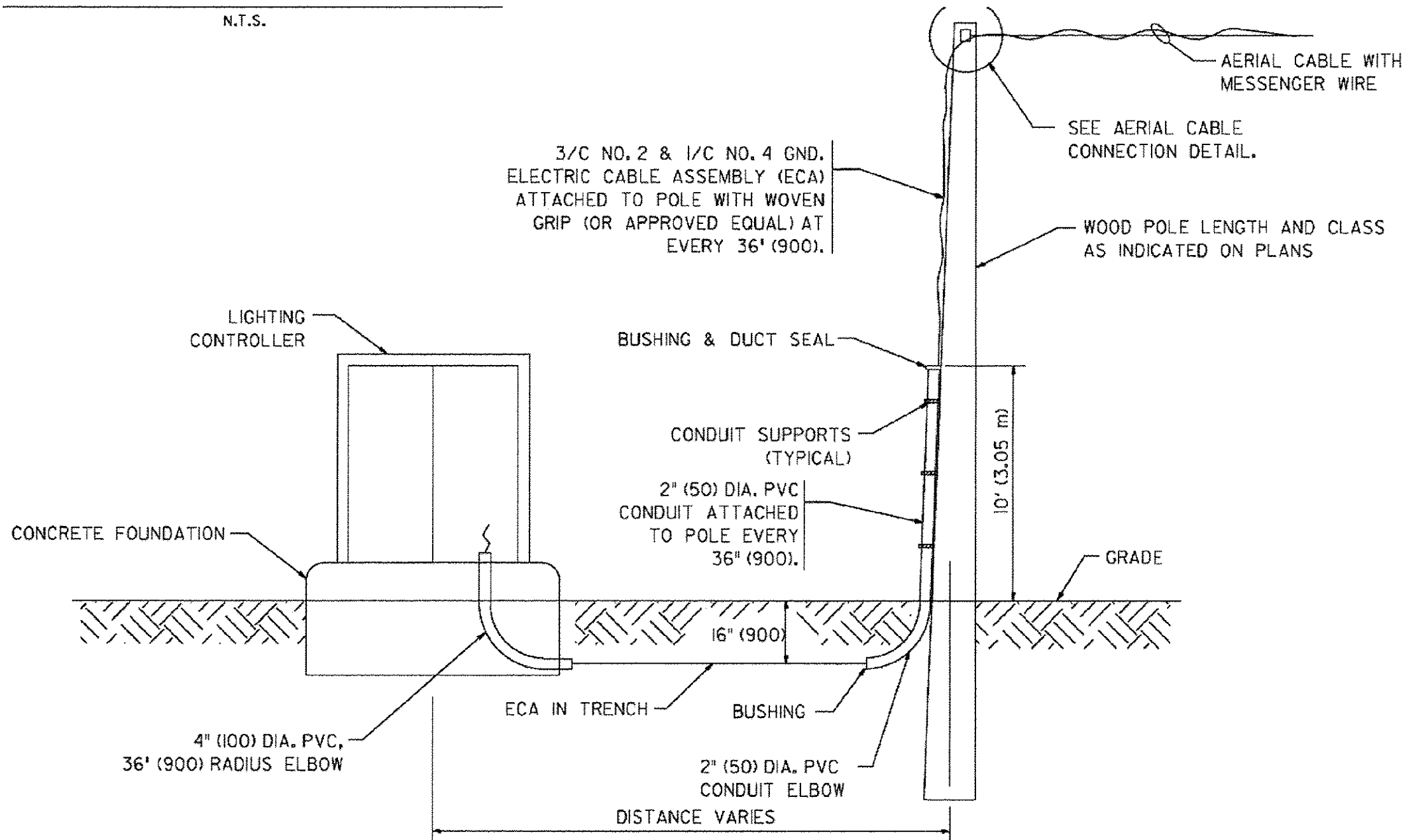
<p>City of Naperville STANDARD DETAIL</p>	HELIX TYPE POLE FOUNDATION DETAIL		LIGHTING 7
	EFFECTIVE: 2/29/2008	SHEET 1 OF 1	690.07



TEMPORARY LIGHT POLE ATTACHMENT DETAIL



AERIAL CABLE CONNECTION DETAIL
N.T.S.



WOOD POLE TO LIGHTING CONTROLLER
WIRING CONNECTION DETAIL
N.T.S.

- NOTES:**
1. CITY OF NAPERVILLE STANDARD DETAILS APPLY ONLY TO ELECTRICAL AND LIGHTING WORK MAINTAINED BY THE CITY OF NAPERVILLE.
 2. LIGHTING CONTROLLER FOUNDATION SHALL CONFORM TO SECTION 825 OF THE IDOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL CONFIRM IN THE FIELD THE SIZE AND CONDUIT LAYOUT OF THE EXISTING LIGHTING CABINET FOUNDATION BEFORE PROCEEDING WITH THE CONSTRUCTION OF THE NEW FOUNDATION.
 3. THE CONTRACTOR SHALL FURNISH AND INSTALL GROUND RODS IN THE CONTROLLER FOUNDATIONS AS SHOWN. THE COST OF ALL GROUNDING EQUIPMENT, MATERIALS, AND LABOR SHALL BE INCLUDED AS PART OF THE COST OF THE EQUIPMENT BEING GROUNDED.

FILE NAME = p:\MCD04_25367381_95th\Drawings\Contract\NorthRoadway\Lighting\Sh-Light-935_Naperville_Standards.dgn



USER NAME = james_push	DESIGNED - MAE	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - MAE	REVISED -
PLOT DATE = 1/21/2016	CHECKED - DAD	REVISED -
	DATE - 01/20/2016	REVISED -

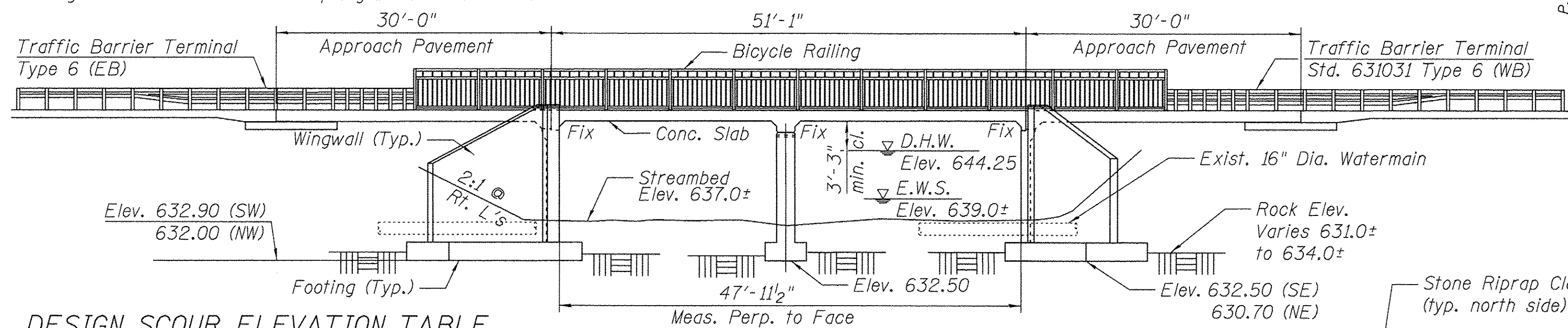
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

95TH STREET LIGHTING STANDARDS & DETAILS			
SCALE: NONE	DRAWING NO. 15 OF 15	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	92
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

Existing Structure:
 S/N 099-3105 was originally built in 1964 by Wheatland township and reconstructed in 1995 by the Village of Naperville. The structure consists of a two-span reinforced concrete slab superstructure supported by a reinforced concrete pier and closed abutments. The pier and abutments are supported by spread footings keyed into bedrock. The existing bridge length is 52'-3 3/4" back-to-back of abutments and existing bridge width is 70'-9" out-to-out of slab. The structure will be widened on both sides, the existing longitudinal joint eliminated, and the center median relocated in order to provide dual center-turn lanes. The bridge will remain open during the widening, utilizing stage construction. Existing bridge fence and railing to be salvaged.

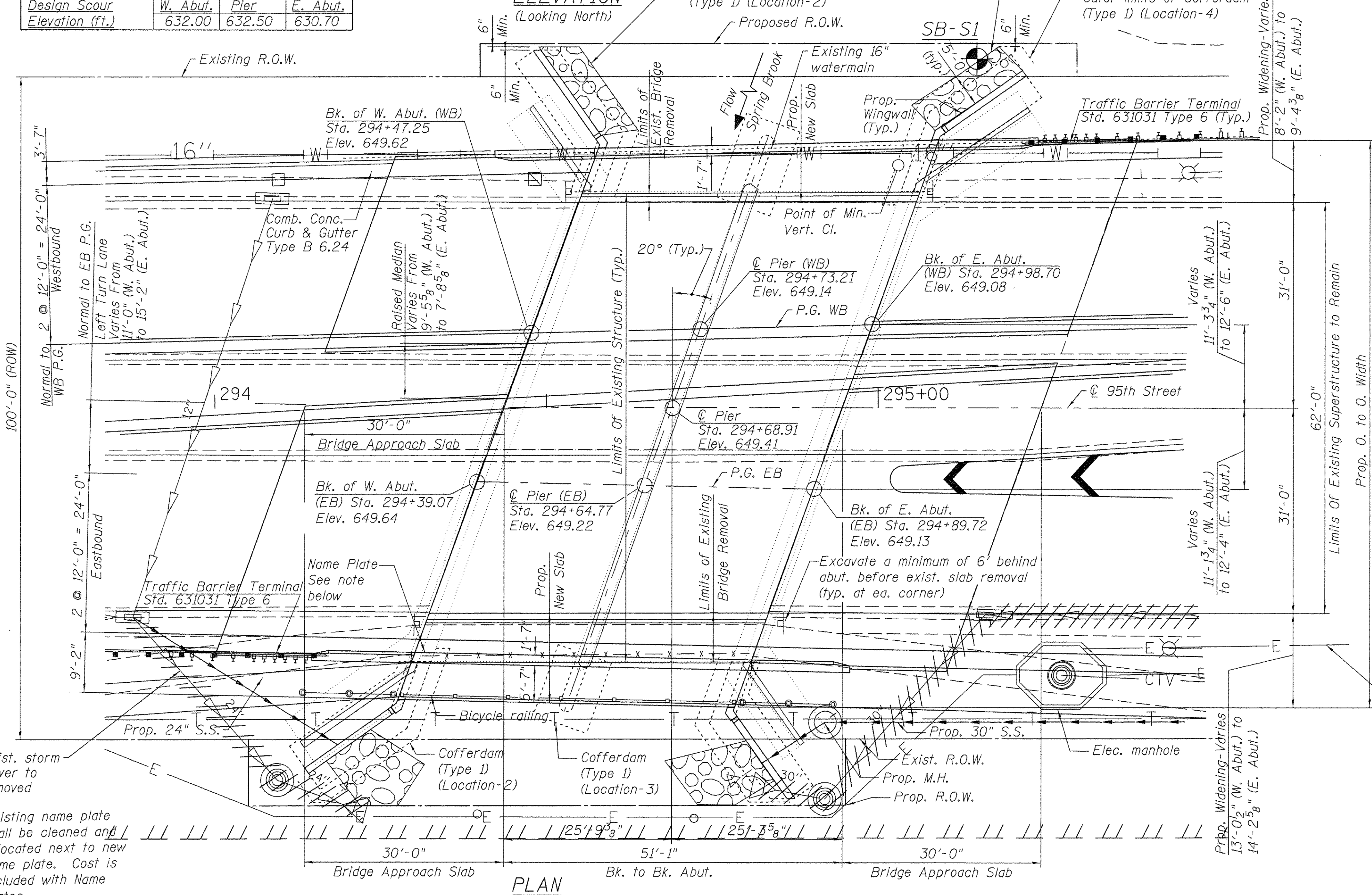
BM: B.M.#26 - Square cut on existing northwest corner wingwall on 95th Street over Spring Brook. Elev 649.16



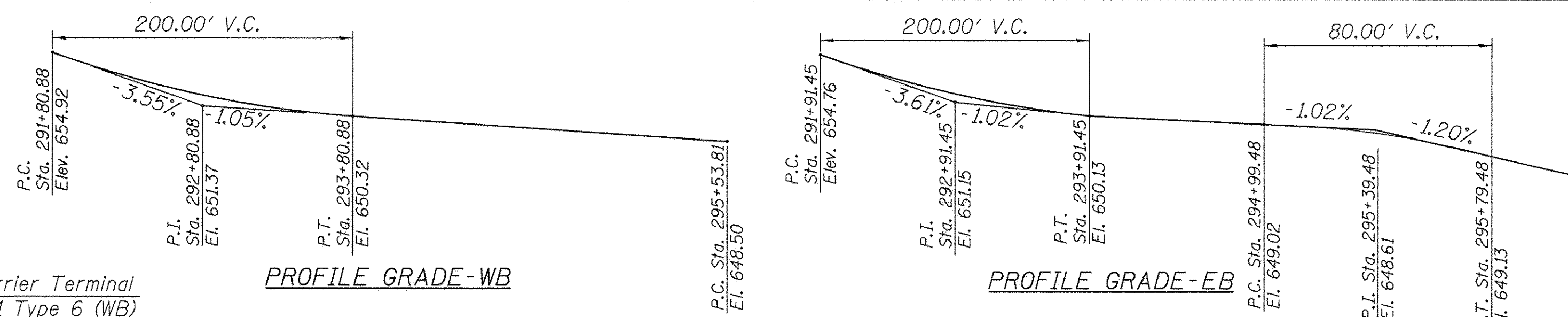
DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	W. Abut.	Pier	E. Abut.
	632.00	632.50	630.70

ELEVATION
(Looking North)



PLAN



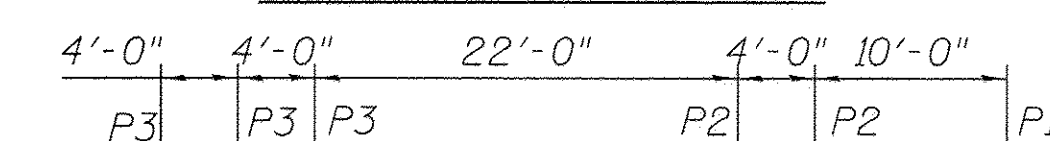
WATERWAY INFORMATION

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Nat.		Head - Ft.		Headwater El.		
			Exist.	Prop.	H.W.E. Exist.	Prop.	Exist.	Prop.	
	10	957	283.40	283.40	642.70	0.81	0.81	643.51	643.51
Design	30	1400	329.50	329.50	643.66	0.59	0.59	644.25	644.25
	50	1604	349.20	349.20	644.07	0.94	0.94	645.01	645.01
Base	100	1887	383.80	383.80	644.79	1.91	1.91	646.70	646.70
Max. Calc.	500	2928	449.60	449.60	646.16	1.22	1.22	647.38	647.38

INDEX OF SHEETS

1. General Plan and Elevation
2. Estimated quantities and General Notes
3. Staging Details
4. Staging Approach Slab Details
5. Top of Approach Slab Elevations
6. Top of Slab Elevations
7. East and West Approach Slabs
8. Approach Slab Details
9. Deck Plan and Section
10. Superstructure Details 1
11. Superstructure Details 2
12. Pier
13. Abutment Removal Details
14. East Abutment
15. East Abutment Details
16. West Abutment
17. West Abutment Details
18. Bicycle Railing
19. Soil Boring

LOADING HS-20 and



P1 = 12 Kips
 P2 = 24 Kips
 P3 = 24 Kips

120 KIP PERMIT VEHICLE
 25#/Sq. Ft. Overlay provided.
 No provision for future wearing surface.

DESIGN STRESSES

NEW CONSTRUCTION

FIELD UNITS

f'c = 3,500 psi (Concrete)
 fy = 60,000 psi (Reinforcement)

EXISTING CONSTRUCTION

FIELD UNITS

f'c = 3,500 psi (Concrete)
 fy = 60,000 psi (Reinforcement)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S₁) = 0.045g
 Design Spectral Acceleration at 0.2 sec. (S_{0.2}) = 0.11g
 Soil Site Class = B

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications with Interims

Notes:
 All dimensions shown are normal or parallel to C 95th St. except where noted otherwise.

Complete "As-Built" records of the existing structure are not available. The Contractor shall verify dimensions in the field prior to ordering material. No additional payment will be made for any discrepancy between field dimensions and dimensions shown on the plans for the existing structure.

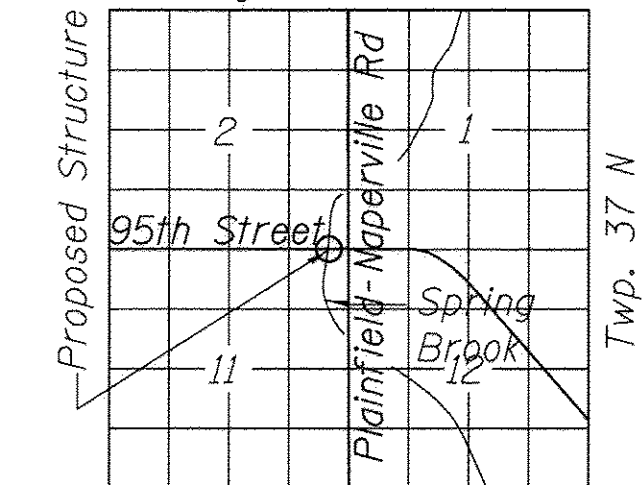
See drawing sheet 31 Plat of Highways for proposed Right-of-Way information.

STATION 294+68.91
 BUILT 2014 BY
 STATE OF ILLINOIS
 F.A.U. RT. 1644
 SE. 0100181-00-FP
 LOADING HS20
 STR. NO. 099-3105

NAME PLATE

See Standard 515001

(Existing Name Plate shall be cleaned and reincorporated into the new construction. Cost included with Concrete Structures.)
 Range 9E-3rd PM

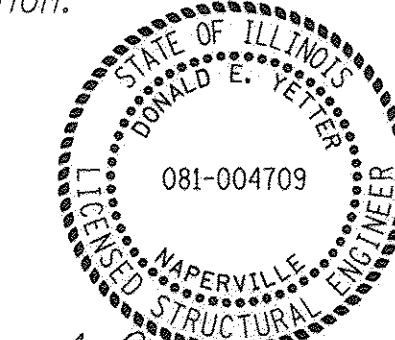


LOCATION SKETCH

GENERAL PLAN & ELEVATION

95th STREET OVER
 SPRING BROOK
 F.A.U. RTE. 1644
 SECTION: 106B-TR

WILL COUNTY
 STA. 294+68.91
 STRUCT. NO. 099-3105



Signature: *Donald E. Jester*

Current Date: October 17, 2016

License Expires: November 30, 2016

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the "2002 AASHTO Standard Specifications for Highway Bridges".



100 S. WACKER DR.
 SUITE 500
 CHICAGO, IL 60606
 TEL (312) 939-1000
 FAX (312) 939-4198

USER NAME = *STB*
 DESIGNED - STB
 CHECKED - NPP
 DRAWN - SOI
 CHECKED - NPP
 PLOT SCALE = 10.0000' / 1" IN.
 PLOT DATE = 10/17/2016

DESIGNED - STB
 CHECKED - NPP
 DRAWN - SOI
 CHECKED - NPP

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	93

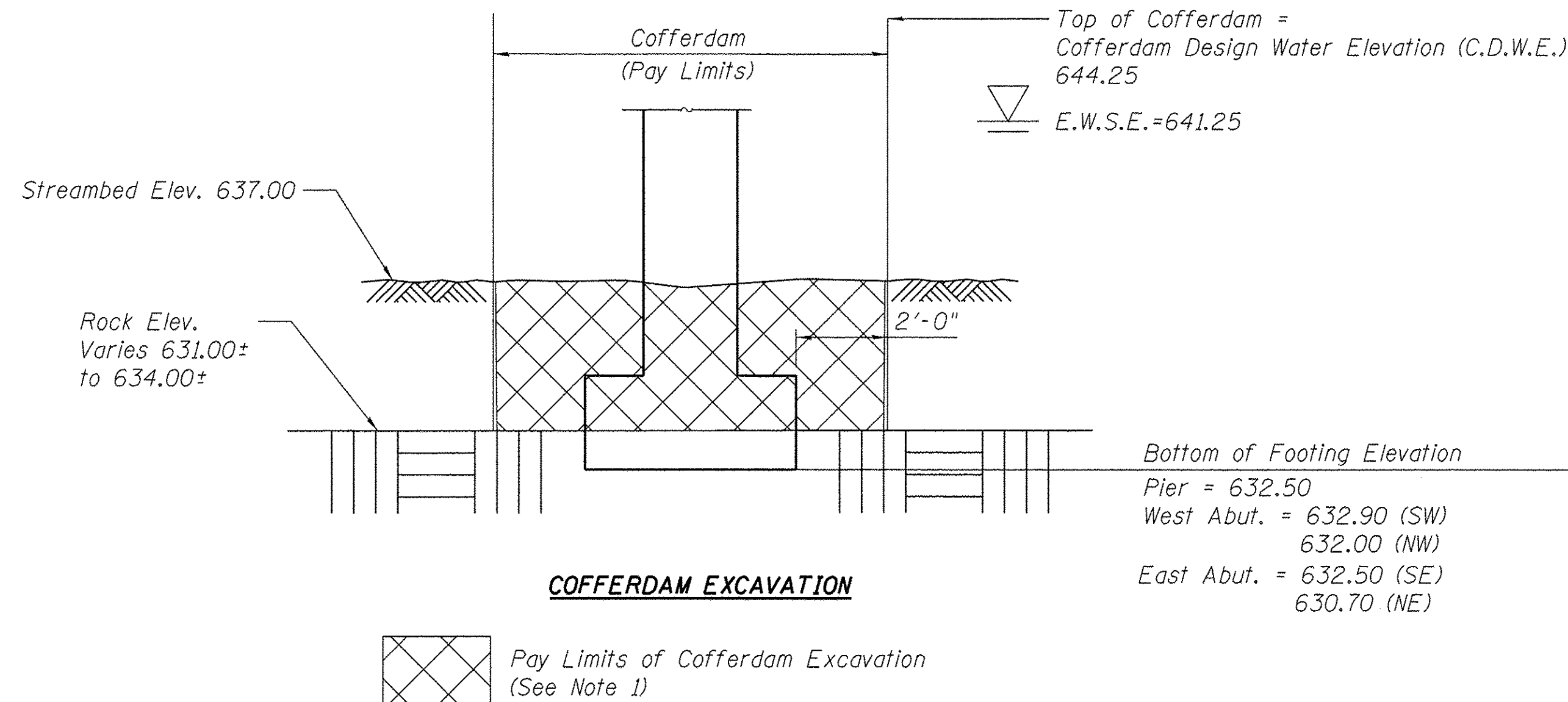
CONTRACT NO. 61A30

GENERAL NOTES:

- 1 For Type 2 Cofferdams, no concrete seal coat or rock excavation for a seal coat have been assumed or included in the summary of estimated pay item quantities. Based on his proposed methods, should the Contractor determine that a concrete seal coat and/or associated additional rock excavation are needed as part of foundation construction within cofferdams, the cost for them will be considered to be included in the pay items each for the Type 2 Cofferdams. No additional separate measurement or payment will be made for seal coat concrete and/or associated rock excavation.
- 2 No sediment or debris will be allowed to be carried away by the stream.
- 3 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- 4 Reinforcement bars designated (E) shall be epoxy coated.
- 5 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- 6 The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
- 7 Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I and Stage II removal to ensure the remaining portion will not be prematurely damaged.
- 8 Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specifications.
- 9 Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
- 10 Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.
- 11 No construction activity will be permitted outside of proposed right of way limits.

BILL OF MATERIAL

PAY ITEM DESCRIPTION	UNIT	SUPERSTRUCTURE	SUBSTRUCTURE	TOTAL
STONE RIPRAP, CLASS A4	Cu. Yd.	0	18	18
CONCRETE REMOVAL	Cu. Yd.	69.4	7.1	76.5
BRIDGE RAIL REMOVAL	Foot	103	0	103
COFFERDAM EXCAVATION	Cu. Yd.	0	413.7	413.7
COFFERDAM (TYPE 2) (LOCATION-1)	EACH	0	1	1
COFFERDAM (TYPE 2) (LOCATION-2)	EACH	0	1	1
COFFERDAM (TYPE 2) (LOCATION-3)	EACH	0	1	1
COFFERDAM (TYPE 2) (LOCATION-4)	EACH	0	1	1
COFFERDAM (TYPE 2) (LOCATION-5)	EACH	0	1	1
COFFERDAM (TYPE 2) (LOCATION-6)	EACH	0	1	1
CONCRETE STRUCTURES	Cu. Yd.	46.1	101.4	147.5
CONCRETE SUPERSTRUCTURE	Cu. Yd.	348.2	0.0	348.2
BRIDGE DECK GROOVING	Sq. Yd.	779	0	779
PROTECTIVE COAT	Sq. Yd.	1,149	0	1,149
REINFORCEMENT BARS, EPOXY COATED	Pound	76,960	16,200	93,160
BICYCLE RAILING	Foot	81	0	81
PARAPET RAILING	Foot	81	0	81
NAME PLATES	Each	1	0	1
GEOCOMPOSITE WALL DRAIN	Sq. Yd.	0	77	77
APPROACH SLAB REMOVAL	Sq. Yd.	293	0	293
CONCRETE BRIDGE DECK SCARIFICATION (1/4 INCH)	Sq. Yd.	381	0	381
POROUS GRANULAR EMBANKMENT, SPECIAL	Cu. Yd.	0	63	63
BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/4"	Sq. Yd.	381	0	381



FILE NAME = p:\CDDH\25367381\95th\Drawings\Contract\North\Structures\Bridges (Spring Brooks)\Control Copy - Final Design\B2-Estimated Quantities and General Notes.dgn

URS
 100 S. WACKER DR.,
 SUITE 500
 CHICAGO, IL 60606
 TEL (312) 939-1000
 FAX (312) 939-4198

USER NAME = #STB#	DESIGNED - STB	REVISED -
PLOT SCALE = 0.08333 1/16"	CHECKED - NPP	REVISED -
PLOT DATE = 1/21/2016	DRAWN - SOI	REVISED -
	CHECKED - NPP	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ESTIMATED QUANTITIES AND GENERAL NOTES
 STRUCTURE NO. 099-3105**

SHEET NO. 2 OF 19 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	94
CONTRACT NO. 61A30			ILLINOIS FED. AID PROJECT	

Notes:

All staging cross sections are looking east.

Hatched area indicates Removal of Existing Structure.

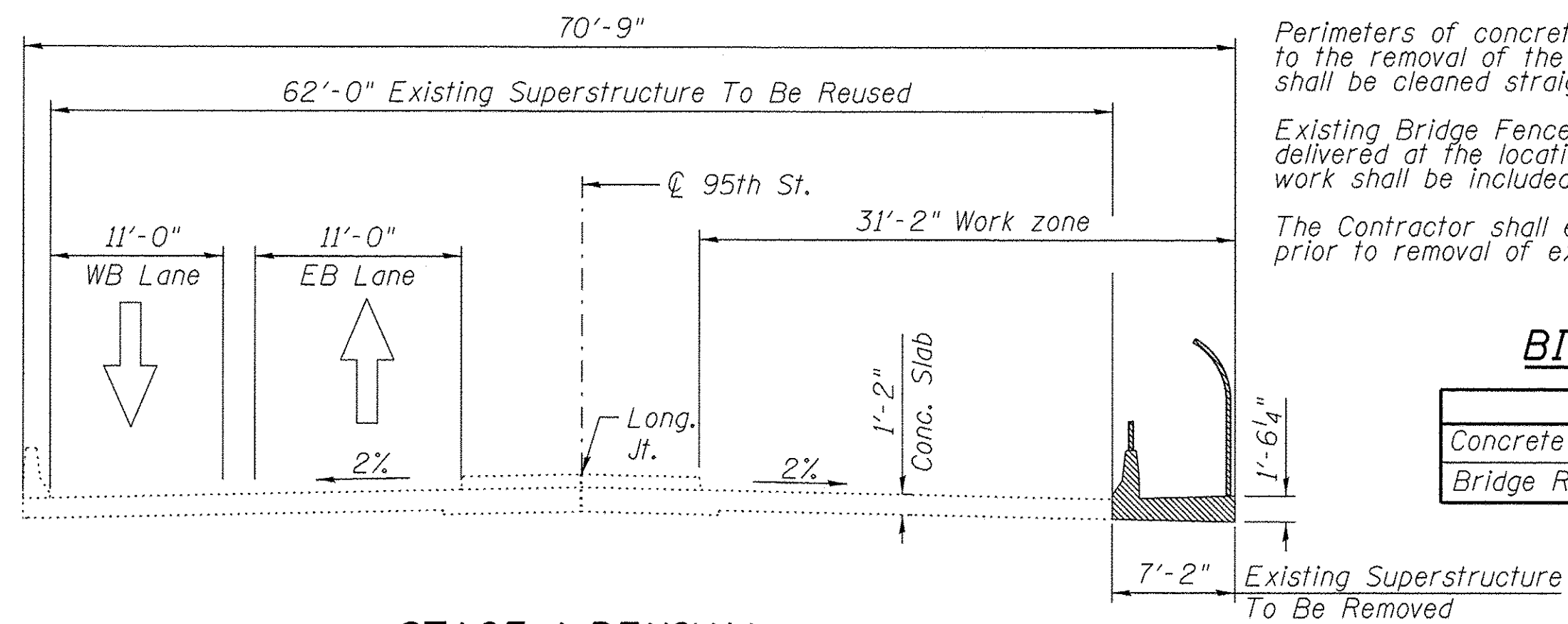
Perimeters of concrete removal areas shall be saw cut $\frac{3}{4}$ " prior to the removal of the concrete. Existing transverse reinforcement shall be cleaned straightened and reincorporated into new construction.

Existing Bridge Fence Railing and Parapet railing shall be salvaged and delivered at the location designated by the Engineer. Cost of this work shall be included with "Bridge Rail Removal".

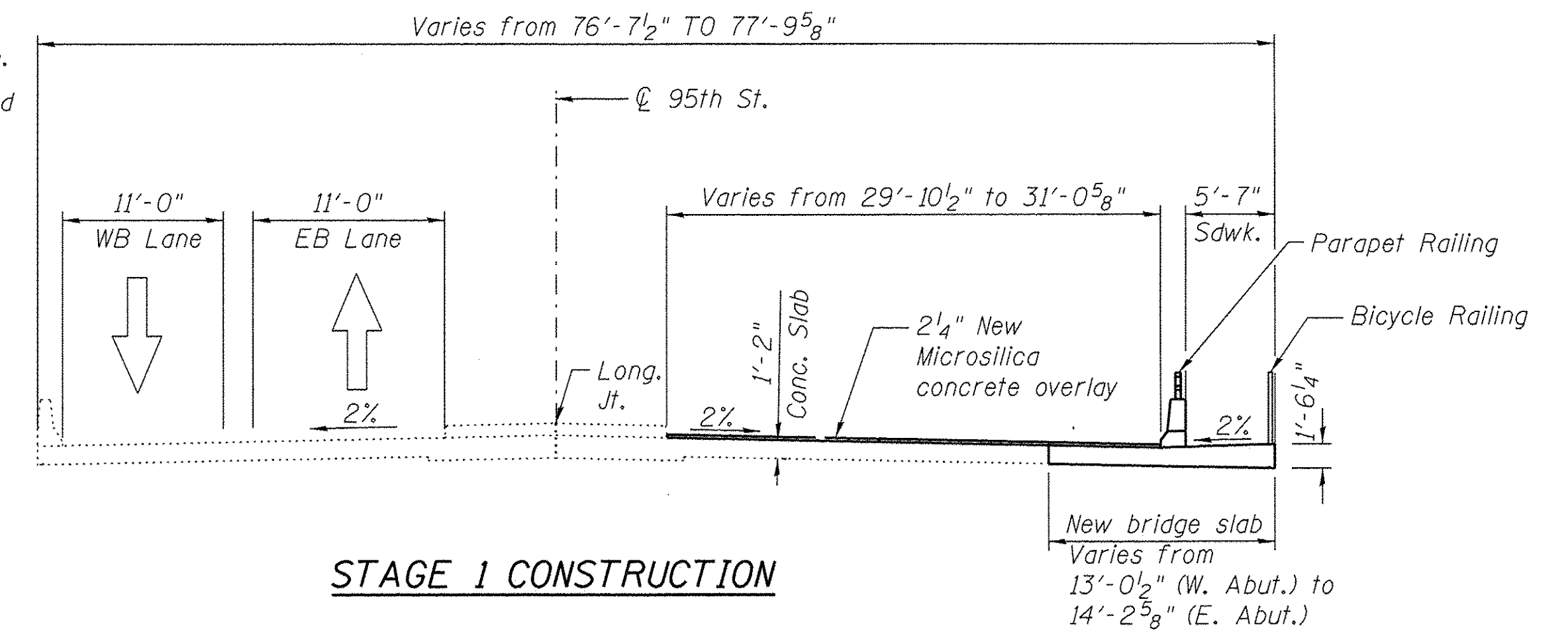
The Contractor shall excavate atleast 6'-0" behind the abutments prior to removal of existing deck on south side.

BILL OF MATERIAL

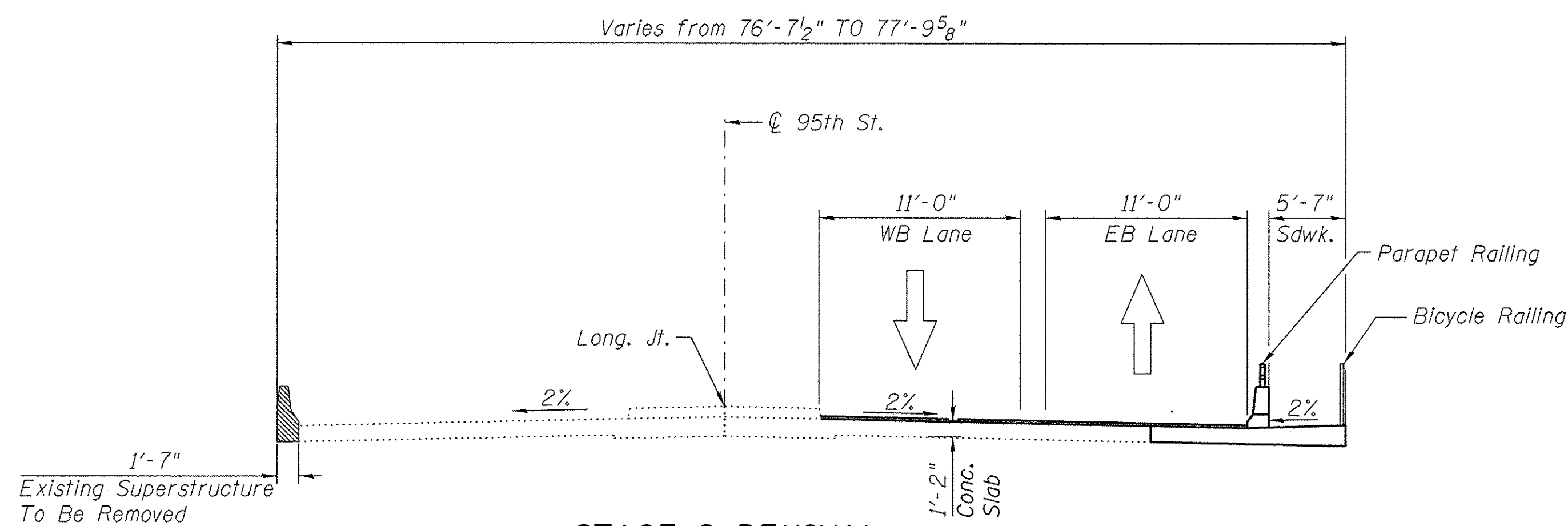
Concrete Removal	Cu. Yds.	69.4
Bridge Rail Removal	Foot	103



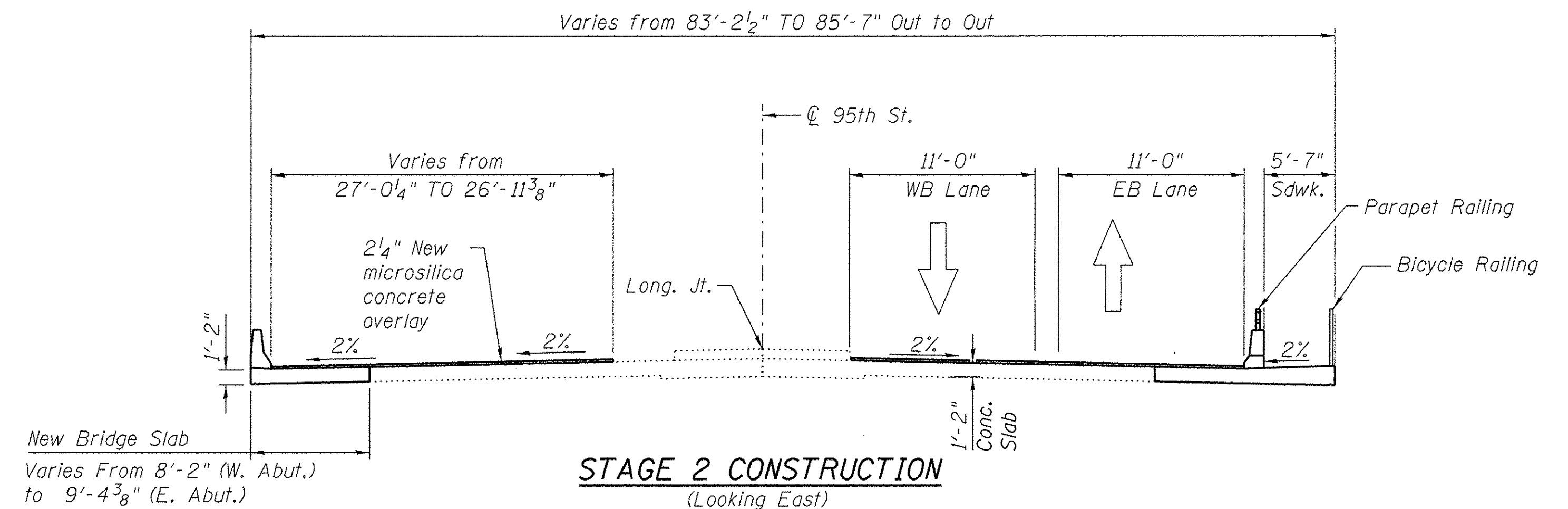
STAGE 1 REMOVAL



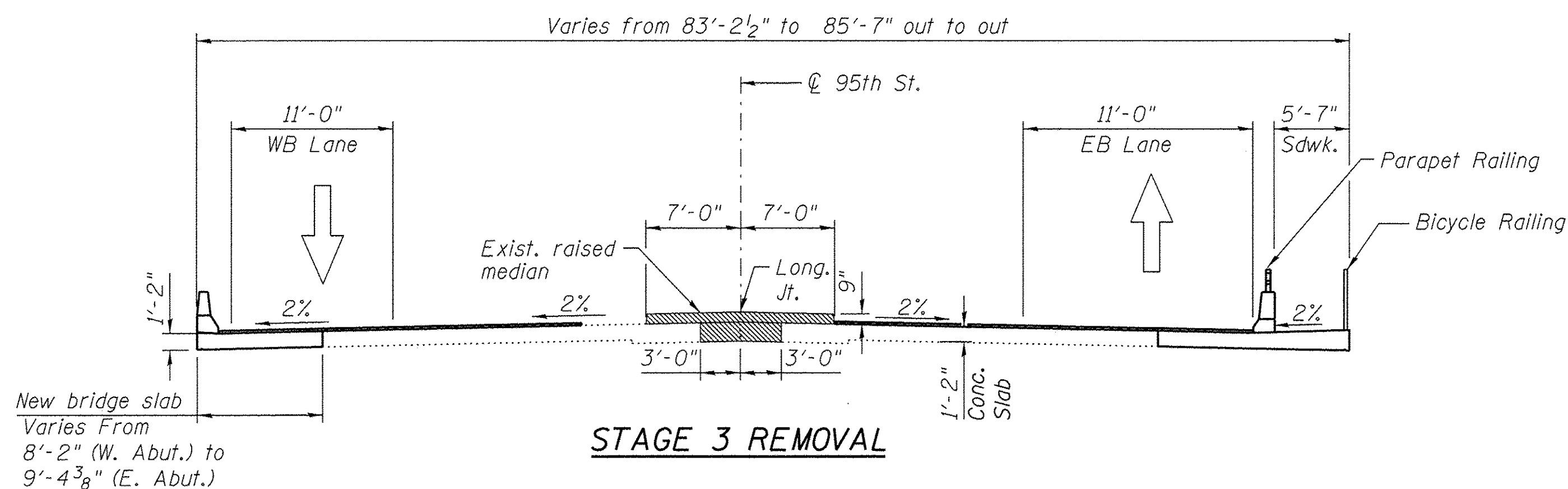
STAGE 1 CONSTRUCTION



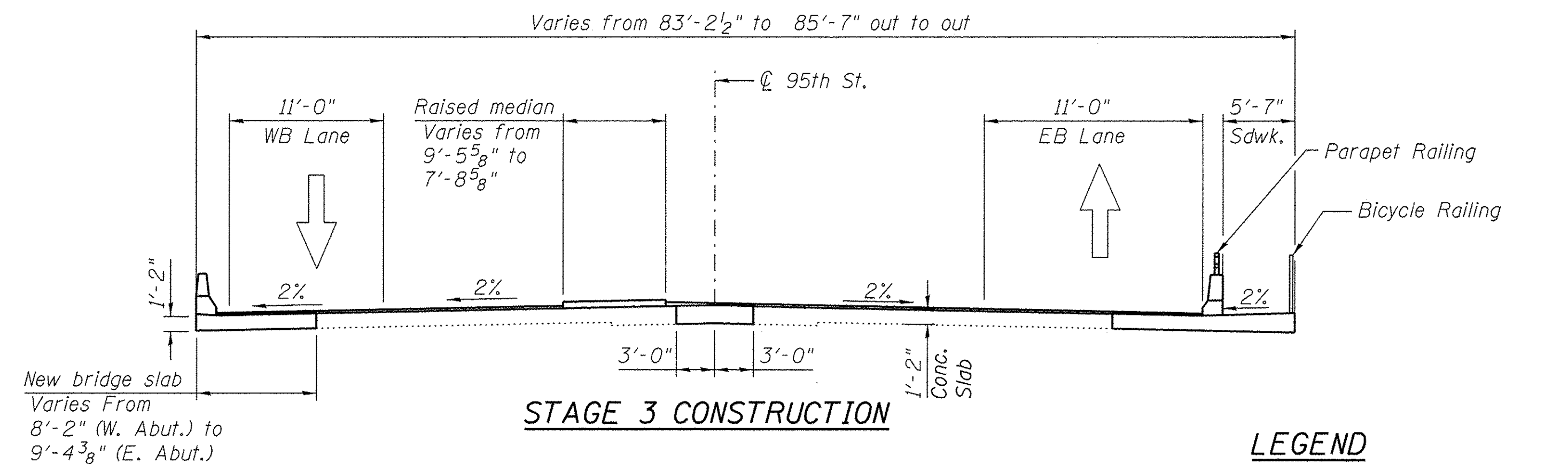
STAGE 2 REMOVAL



STAGE 2 CONSTRUCTION
(Looking East)



STAGE 3 REMOVAL



STAGE 3 CONSTRUCTION

LEGEND

Indicates removal

FILE NAME = pt:\CDDM\25367381\95th\Drawings\Contract\North\Structures\B-bridge (Spring Brook)\Control Copy - Final Design\B-Stageing Details.dgn

URS
100 S. WACKER DR.
SUITE 500
CHICAGO IL 60606
TEL (312) 939-1000
FAX (312) 939-4198

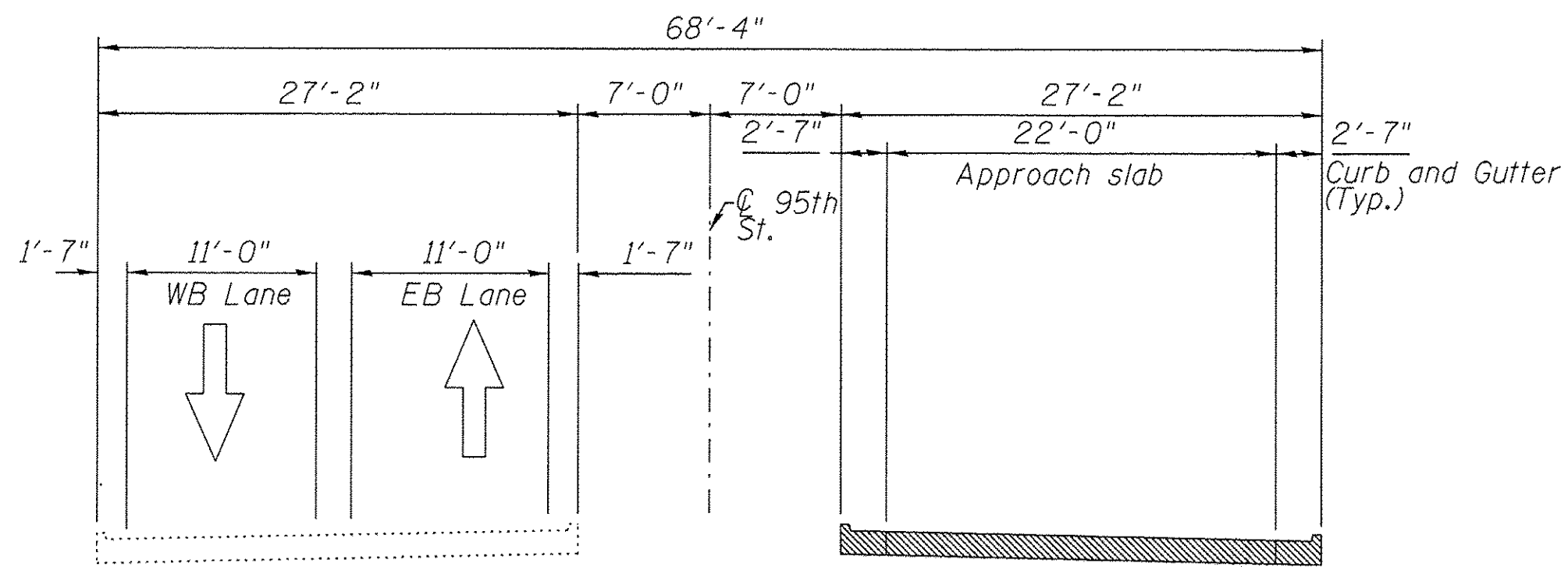
USER NAME = #STB#	DESIGNED - STB 11/01/10	REVISED -
PLOT SCALE = 8:0 "1" = 1"	CHECKED - NPP 11/08/10	REVISED -
PLOT DATE = 1/21/2016	DRAWN - SOI 11/01/10	REVISED -
	CHECKED - NPP 11/08/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

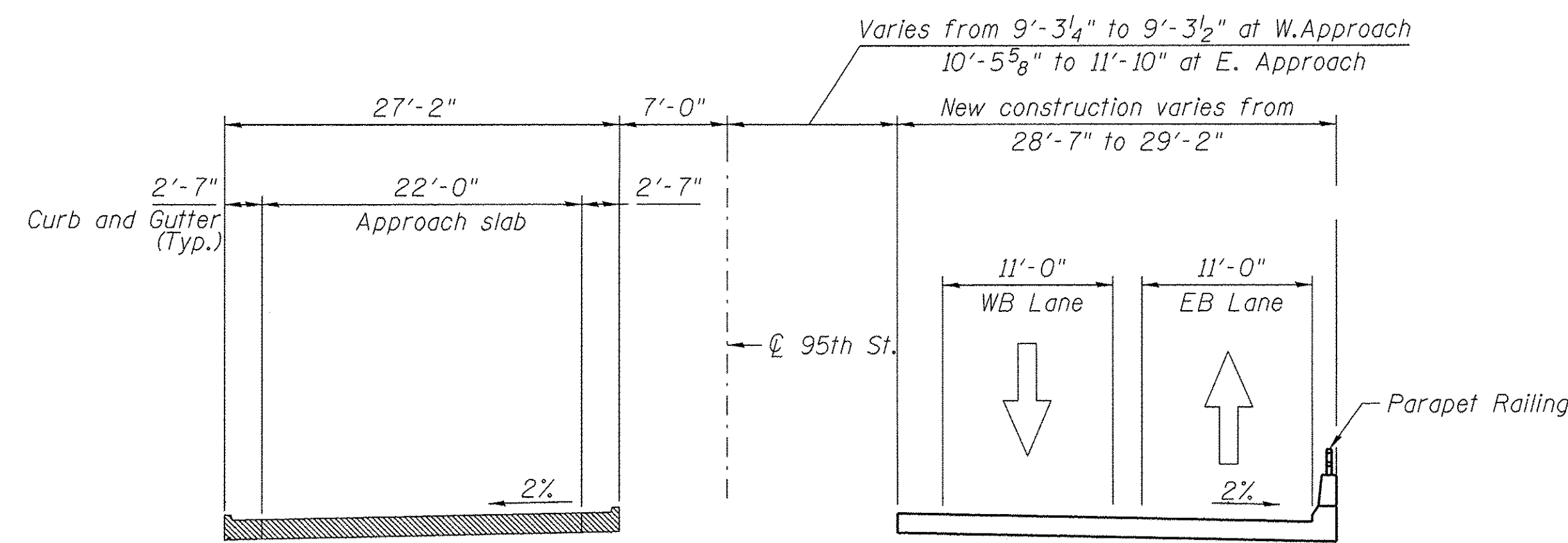
**STAGING DETAILS
STRUCTURE NO. 099-3105**

SHEET NO. 3 OF 19 SHEETS

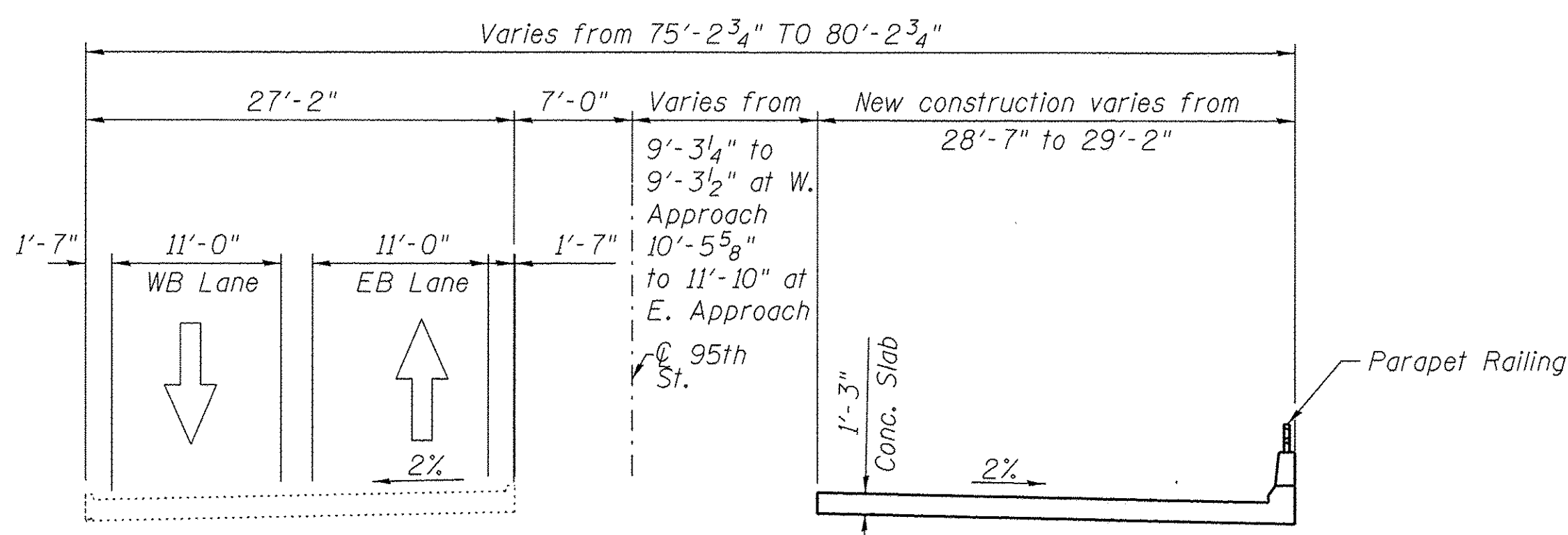
F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 95
CONTRACT NO. 61A30				ILLINOIS FED. AID PROJECT



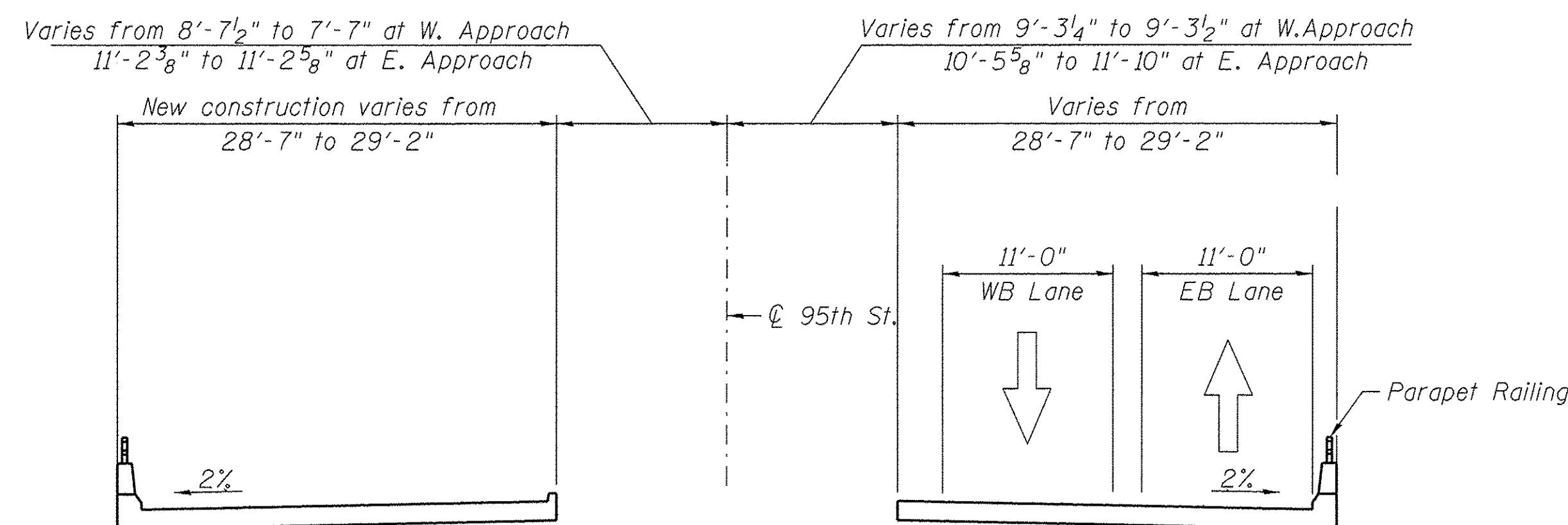
STAGE 1 REMOVAL



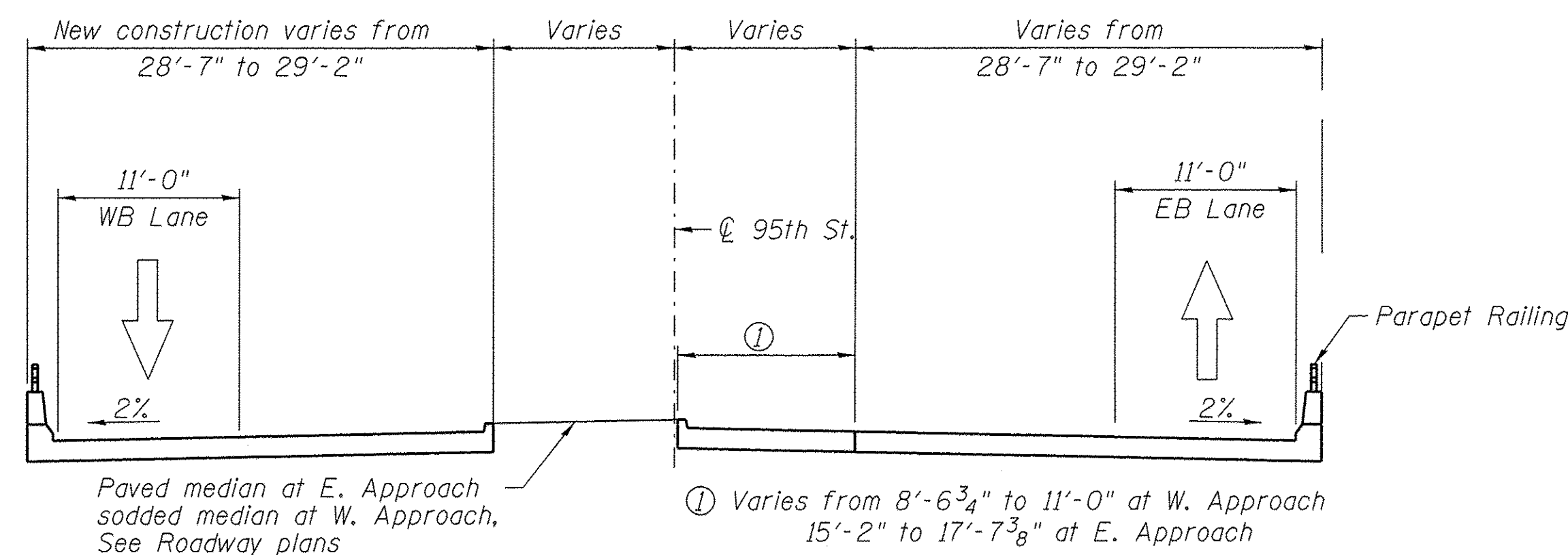
STAGE 2 REMOVAL



STAGE 1 CONSTRUCTION



STAGE 2 CONSTRUCTION
(Looking East)



STAGE 3 CONSTRUCTION

LEGEND

▨ Indicates removal

Notes:

All staging cross sections are looking east.

Hatched area indicates Removal of Existing Structure.

Existing Bridge Fence Railing and Parapet railing shall be salvaged and delivered at the location designated by the Engineer. Cost of this work shall be included with "Bridge Rail Removal".

BILL OF MATERIAL

Pay Item Description	Unit	* Quantity
Approach Slab Removal	Sq. Yd.	293

* Quantity is only for approach slab removal. Curb and gutter removal is included with roadway quantity

FILE NAME = pt:\MCD04_25367381\95th\Drawings\Contract\Non-PA\Structures\Bridges\Spring\Brook\Control Copy - Final Design\04-Staging Approach Slab Details.dgn

URS
100 S. WACKER DR.
SUITE 500
CHICAGO IL 60606
TEL (312) 939-1000
FAX (312) 939-4198

USER NAME = STB*	DESIGNED - STB 11/01/10	REVISED -
PLOT SCALE = 8:0" = 1'-0"	CHECKED - NPP 11/08/10	REVISED -
PLOT DATE = 1/21/2016	DRAWN - 11/01/10	REVISED -
	CHECKED - NPP 11/08/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING APPROACH SLAB DETAILS
STRUCTURE NO. 099-3105**

SHEET NO. 4 OF 19 SHEETS

F.A.U. RTE. 1644	SECTION 12-00181-01-FP	COUNTY WILL	TOTAL SHEETS 179	SHEET NO. 96
				CONTRACT NO. 61A30
ILLINOIS FED. AID PROJECT				

Offsets are from P.G. WB

NORTH EDGE OF SLAB				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of W. Appr. Pav't	294+27.19	27.00	649.29	649.29
A1	294+37.19	27.00	649.19	649.19
A2	294+47.19	27.58	649.07	649.07
E. End of W. Appr. Pav't	294+57.23	27.42	648.80	648.80

P.G. WB

P.G. WB				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of W. Appr. Pav't	294+17.36	0.00	649.94	649.94
A1	294+27.25	0.00	649.83	649.83
A2	294+37.25	0.00	649.73	649.73
E. End of W. Appr. Pav't	294+47.25	0.00	649.62	649.62

Offsets are from P.G. EB

CL 95TH ST.				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of W. Appr. Pav't	294+13.52	10.46	650.11	650.11
A1	294+23.13	10.68	650.02	650.02
A2	294+33.13	10.91	649.92	649.92
E. End of W. Appr. Pav't	294+43.13	11.15	649.73	649.73

P.G. EB

P.G. EB				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of W. Appr. Pav't	294+09.07	0.00	649.95	649.95
A1	294+19.07	0.00	649.85	649.85
A2	294+29.07	0.00	649.75	649.75
E. End of W. Appr. Pav't	294+39.07	0.00	649.64	649.64

Offsets are from P.G. EB

STAGE CONSTRUCTION JOINT				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of W. Appr. Pav't	294+09.65	1.58	650.20	650.20
A1	294+19.65	1.58	650.10	650.10
A2	294+29.65	1.58	649.99	649.99
E. End of W. Appr. Pav't	294+31.84	-19.85	649.54	650.54

Offsets are from P.G. EB

SOUTH EDGE OF SLAB				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of W. Appr. Pav't	293+99.03	-27.58	649.50	649.50
A1	294+09.03	-27.58	649.40	649.40
A2	294+19.03	-27.58	649.30	649.30
E. End of W. Appr. Pav't	294+27.00	-33.17	649.33	649.33

Offsets are from P.G. WB

CROWN				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of W. Appr. Pav't	294+13.44	11.48	650.21	650.21
A1	294+23.44	11.14	650.10	650.10
A2	294+33.44	10.80	649.98	649.98
E. End of W. Appr. Pav't	294+43.44	10.47	649.87	649.87

Offsets are from P.G. WB

NORTH EDGE OF SLAB				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of E. Appr. Pav't	295+08.68	27.42	648.26	648.26
D1	295+18.74	27.58	648.32	648.32
D2	295+28.53	27.00	648.23	648.23
E. End of E. Appr. Pav't	295+38.53	27.00	648.12	648.12

P.G. WB

P.G. WB				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of E. Appr. Pav't	294+98.70	0.00	649.08	649.08
D1	295+08.70	0.00	648.98	648.98
D2	295+18.70	0.00	648.87	648.87
E. End of E. Appr. Pav't	295+29.41	0.00	648.76	648.76

Offsets are from P.G. EB

CL 95TH ST.				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of E. Appr. Pav't	294+94.21	12.33	649.33	649.33
D1	295+04.21	12.56	649.22	649.22
D2	295+14.21	12.79	649.12	649.12
E. End of E. Appr. Pav't	295+24.61	13.03	649.02	649.02

P.G. EB

P.G. EB				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of E. Appr. Pav't	294+89.72	0.00	649.13	649.13
D1	294+99.72	0.00	649.02	649.02
D2	295+09.72	0.00	648.91	648.91
E. End of E. Appr. Pav't	295+19.72	0.00	648.81	648.81

Offsets are from P.G. EB

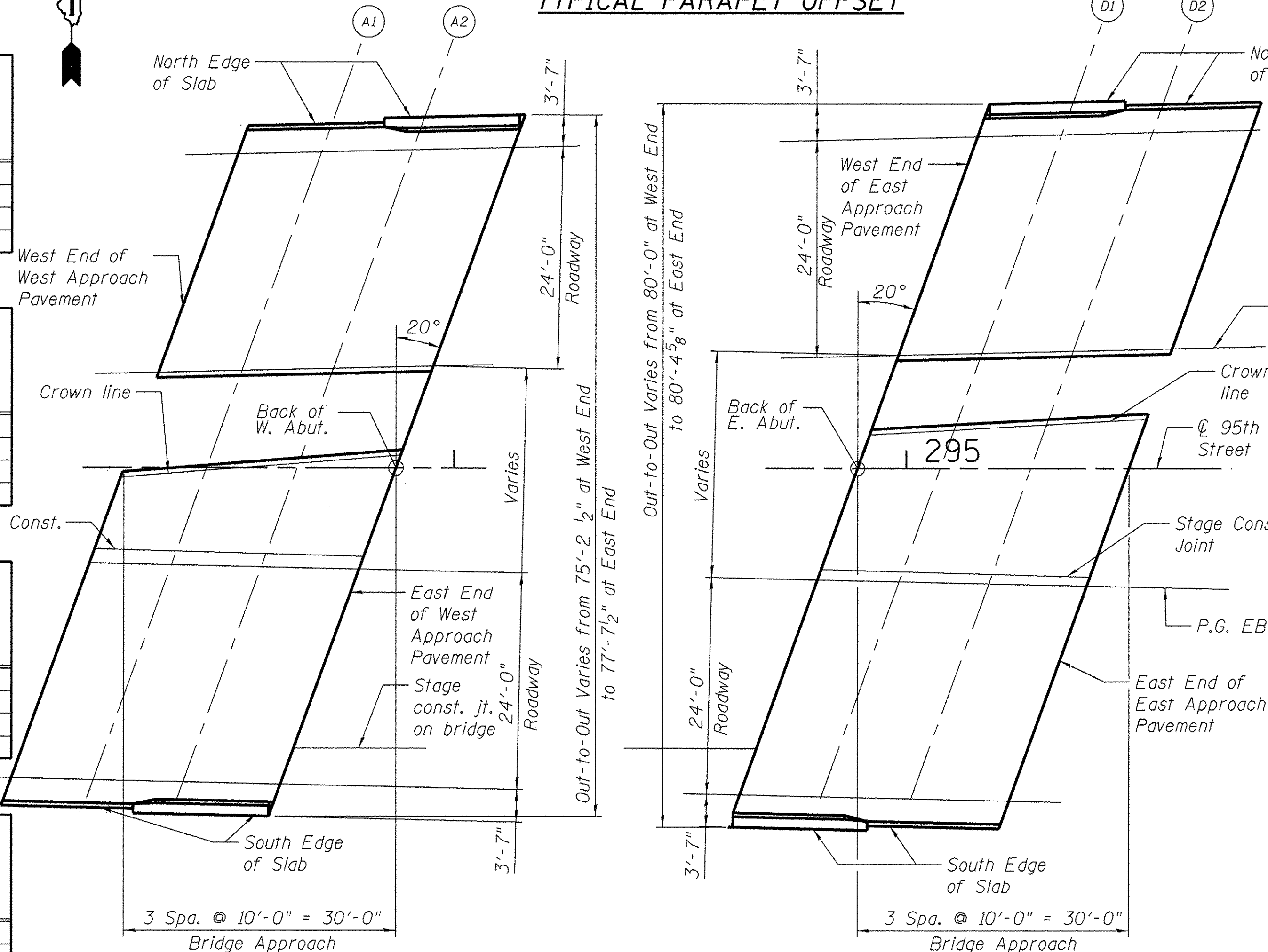
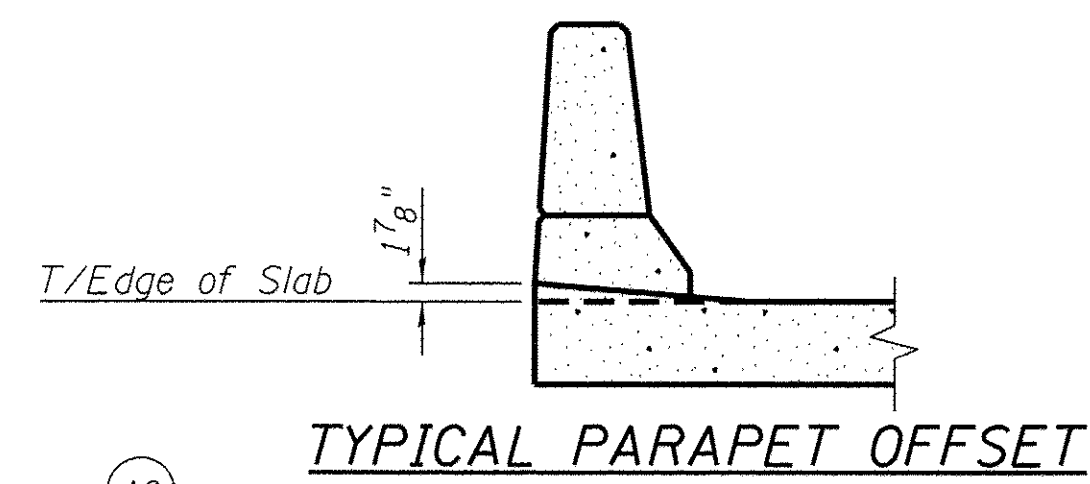
STAGE CONSTRUCTION JOINT				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of E. Appr. Pav't	294+82.92	-18.67	649.05	649.05
D1	295+00.15	1.58	649.27	649.27
D2	295+10.15	1.58	649.17	649.17
E. End of E. Appr. Pav't	295+20.15	1.58	649.06	649.06

Offsets are from P.G. EB

SOUTH EDGE OF SLAB				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of E. Appr. Pav't	294+77.65	-33.17	648.81	648.81
D1	294+89.68	-27.58	648.58	648.58
D2	294+99.68	-27.58	648.47	648.47
E. End of E. Appr. Pav't	295+09.68	-27.58	648.36	648.36

Offsets are from P.G. WB

CROWN				Theoretical Grade Elevations Adjusted for Dead Load Deflection
Locations	Stations	Offset	Theoretical Grade Elevations	
W. End of E. Appr. Pav't	294+95.53	8.72	649.29	649.29
D1	295+05.53	8.38	649.18	649.18
D2	295+15.53	8.05	649.07	649.07
E. End of E. Appr. Pav't	295+25.53	7.71	648.96	648.96



WEST APPROACH PAVEMENT

EAST APPROACH PAVEMENT

A positive value indicates a left offset from the P.G. line. A negative value indicates a right offset.

FILE NAME = p:\MCD04_25367\81\95th\Drawings\Contract\North\Structures\95th\Top of Approach Slab Elevation.dwg



100 S. WACKER DR., SUITE 500
CHICAGO, IL 60606
TEL (312) 939-1000
FAX (312) 939-4198

USER NAME = #STB#	DESIGNED - STB 11/01/10	REVISED -
PLOT SCALE = 9/11.9952 '1' / in.	CHECKED - NPP 11/08/10	REVISED -
PLOT DATE = 1/21/2016	DRAWN - SOI 11/01/10	REVISED -
	CHECKED - NPP 11/08/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF APPROACH SLAB ELEVATIONS
STRUCTURE NO. 099-3105

SHEET NO. 5 OF 19 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	97
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

Offsets are from P.G. WB

NORTH EDGE OF SLAB

Locations	Stations	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West end of deck	294+57.39	27.42	648.80	648.80
A	294+67.39	27.42	648.70	648.73
B	294+77.39	27.42	648.59	648.61
Centerline Pier	294+79.40	27.42	648.57	648.57
C	294+89.40	27.42	648.47	648.48
D	294+99.40	27.42	648.36	648.39
East end of deck	295+08.84	27.42	648.26	648.26

Offsets are from P.G. WB **NORTH STAGE CONSTRUCTION JOINT**

Locations	Stations	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West end of deck	294+54.42	19.69	649.38	649.38
A	294+64.42	19.45	649.28	649.31
B	294+74.42	19.22	649.19	649.20
Centerline Pier	294+80.44	19.08	649.13	649.13
C	294+90.44	18.85	649.03	649.04
D	295+00.44	18.62	648.94	648.97
East end of deck	295+05.43	18.50	648.89	648.89

P.G. WB

Locations	Stations	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West end of deck	294+47.25	0.00	649.62	649.62
A	294+57.25	0.00	649.52	649.55
B	294+67.25	0.00	649.41	649.43
Centerline Pier	294+73.21	0.00	649.35	649.35
C	294+83.21	0.00	649.25	649.26
D	294+93.21	0.00	649.14	649.17
East end of deck	294+98.70	0.00	649.08	649.08

Offsets are from P.G. EB

CL 95TH ST.

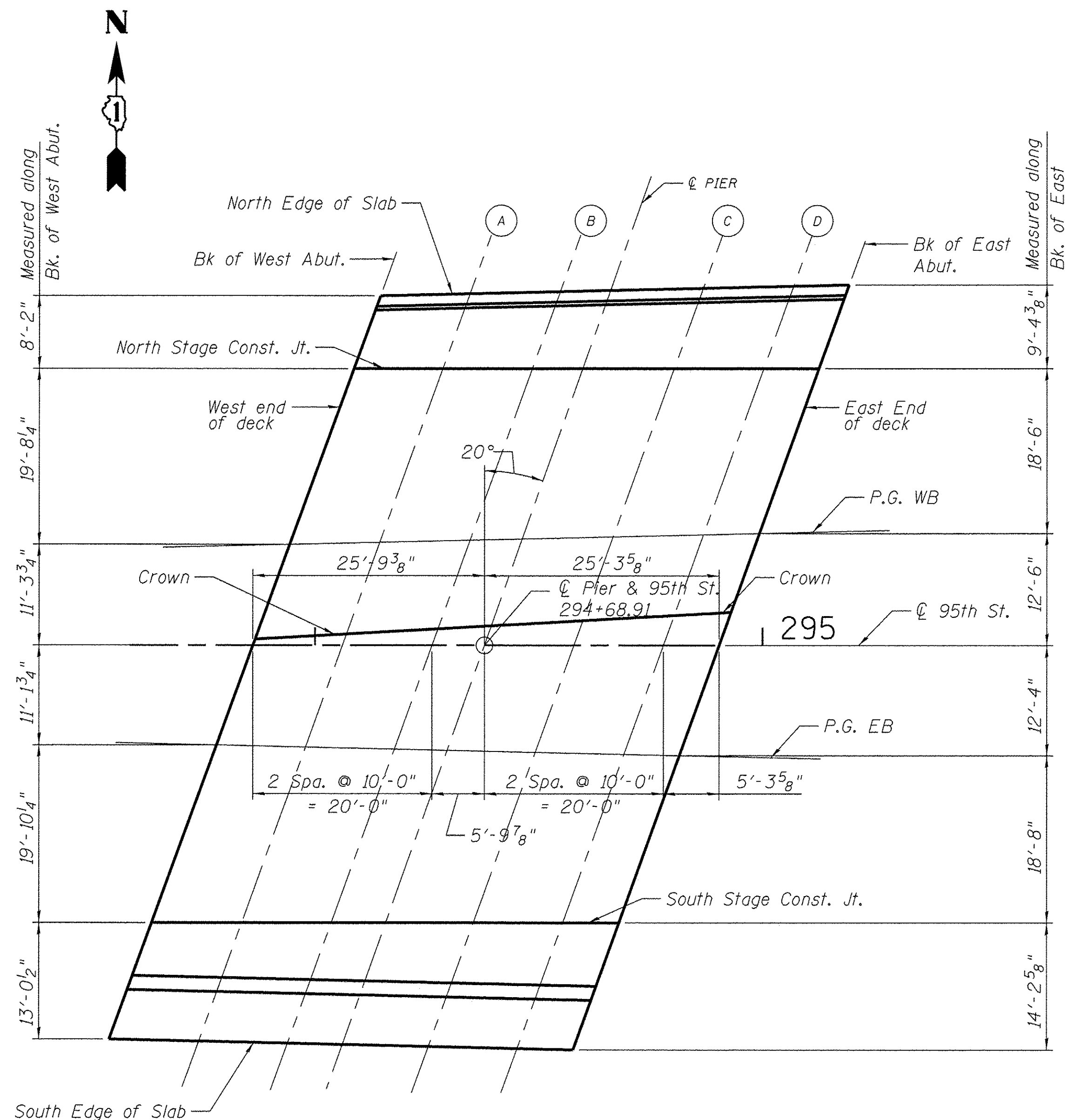
Locations	Stations	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West end of deck	294+43.13	11.15	649.83	649.83
A	294+53.13	11.38	649.73	649.76
B	294+63.13	11.61	649.63	649.65
Centerline Pier	294+68.91	11.74	649.57	649.57
C	294+78.91	11.98	649.48	649.49
D	294+88.91	12.21	649.38	649.41
East end of deck	294+94.21	12.33	649.33	649.33

P.G. EB

Locations	Stations	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West end of deck	294+39.07	0.00	649.64	649.64
A	294+49.07	0.00	649.54	649.57
B	294+59.07	0.00	649.44	649.45
Centerline Pier	294+64.64	0.00	649.38	649.38
C	294+74.64	0.00	649.28	649.29
D	294+84.64	0.00	649.18	649.21
East end of deck	294+89.72	0.00	649.13	649.13

Offsets are from P.G. EB **SOUTH STAGE CONSTRUCTION JOINT**

Locations	Stations	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West end of deck	294+27.10	-19.85	649.54	649.54
A	294+37.10	-19.62	649.45	649.48
B	294+47.10	-19.39	649.35	649.36
Centerline Pier	294+52.67	-19.26	649.29	649.29
C	294+62.67	-19.02	649.20	649.21
D	294+72.67	-18.79	649.10	649.13
East end of deck	294+77.75	-18.67	649.05	649.05



DECK PLAN

SOUTH EDGE OF SLAB

Offsets are from P.G. EB

Locations	Stations	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West end of deck	294+27.10	-33.17	649.33	649.33
A	294+37.00	-33.17	649.23	649.25
B	294+47.00	-33.17	649.12	649.14
Centerline Pier	294+52.67	-33.17	649.07	649.07
C	294+62.67	-33.17	648.96	648.97
D	294+72.67	-33.17	648.86	648.89
East end of deck	294+77.75	-33.17	648.81	648.81

CROWN

Offsets are from P.G. WB

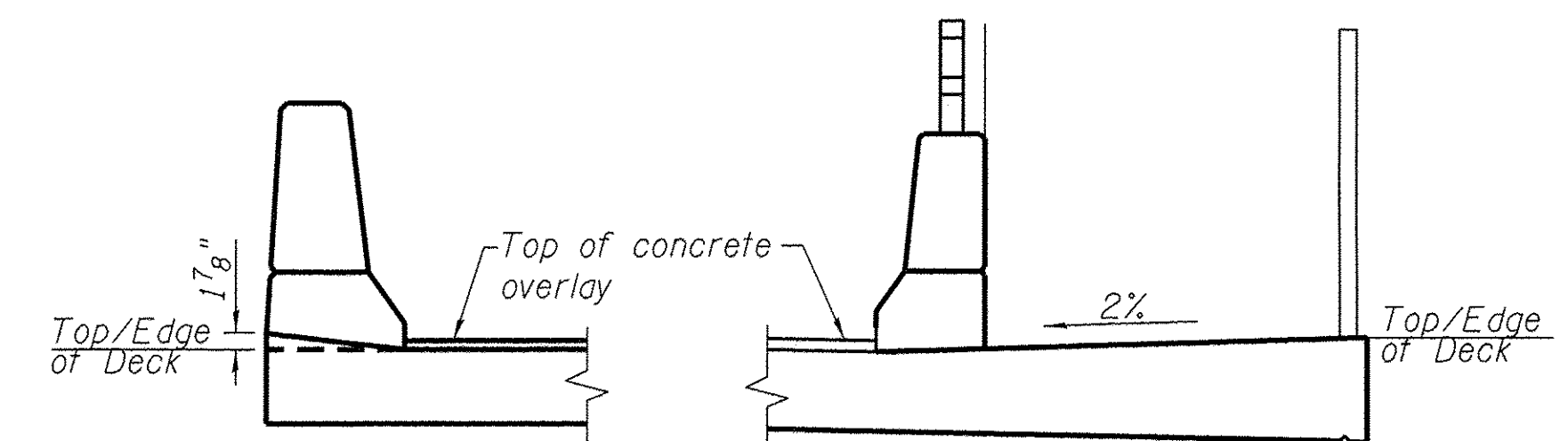
Locations	Stations	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
West end of deck	294+43.44	10.47	649.87	649.87
A	294+53.44	10.13	649.76	649.79
B	294+63.44	9.80	649.65	649.66
Centerline Pier	294+69.26	9.60	649.58	649.58
C	294+79.26	9.27	649.47	649.48
D	294+89.26	8.93	649.36	649.39
East end of deck	294+95.53	8.72	649.29	649.29

Top of the deck elevations in the following tables are at the top of concrete overlay:

North stage construction joint
P.G. Westbound
CL 95th Street
P.G. Eastbound
South stage construction joint

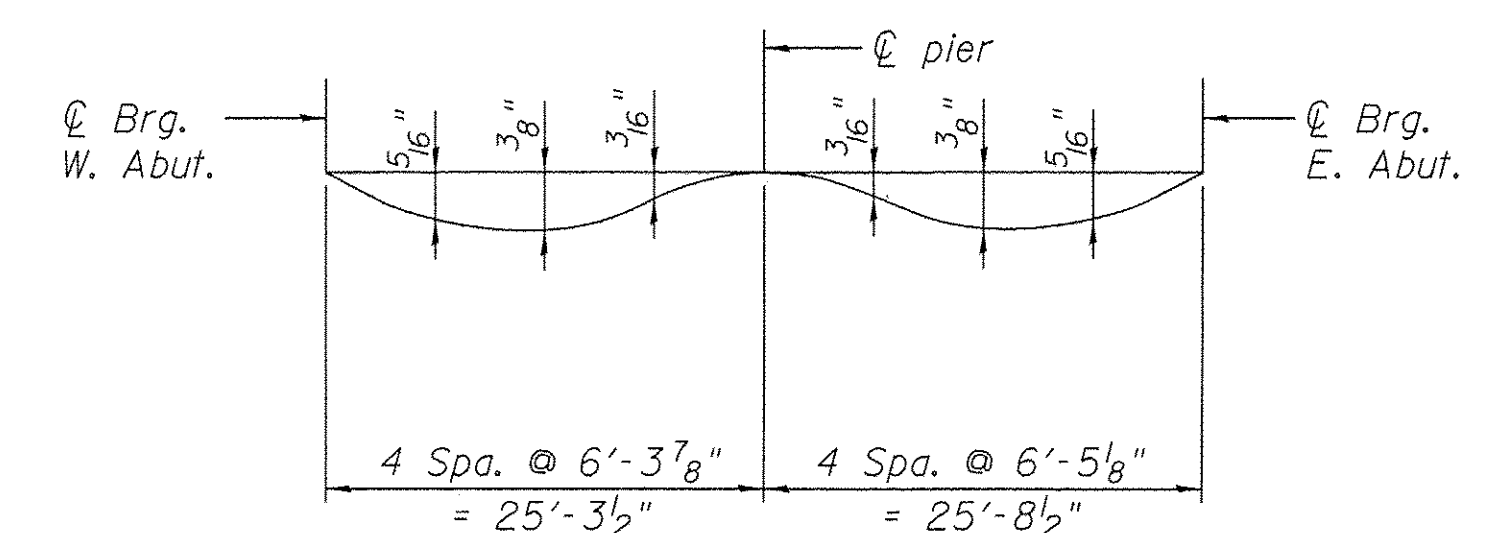
Top of deck elevations in the following tables are at the top of deck slab:

North edge of deck
South edge of deck



NORTH PARAPET OFFSET

SOUTH EDGE OF DECK



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of Concrete Deck and all Superimposed Dead Load Except Future Wearing Surface)

The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown below.

A positive value indicates a left offset from the P.G. line. A negative value indicates a right offset.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 099-3105

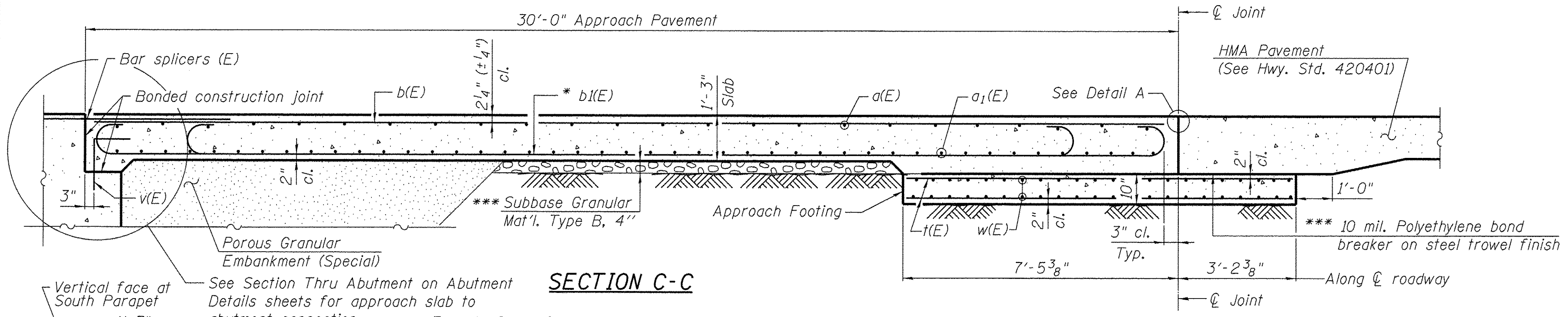
SHEET NO. 6 OF 19 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1644	12-00181-01-FP	WILL	179	98
CONTRACT NO. 61A30				
ILLINOIS FED. AID PROJECT				

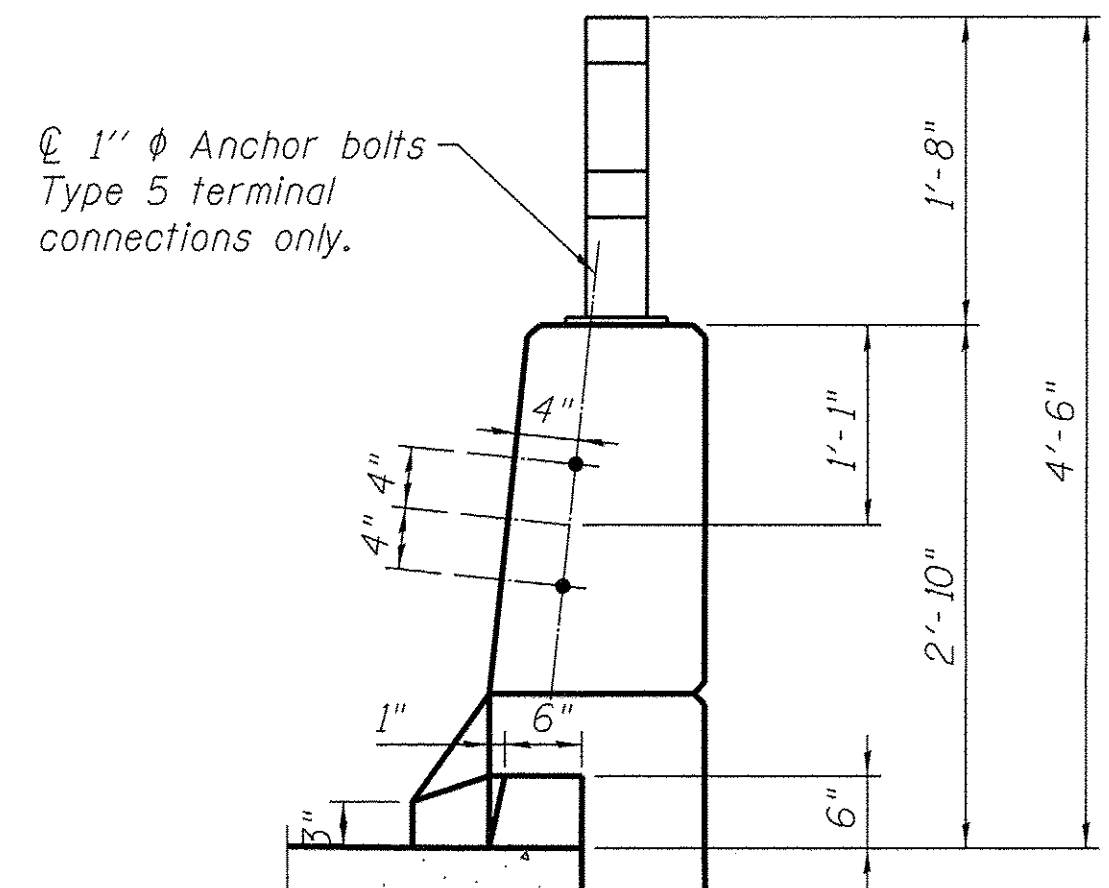
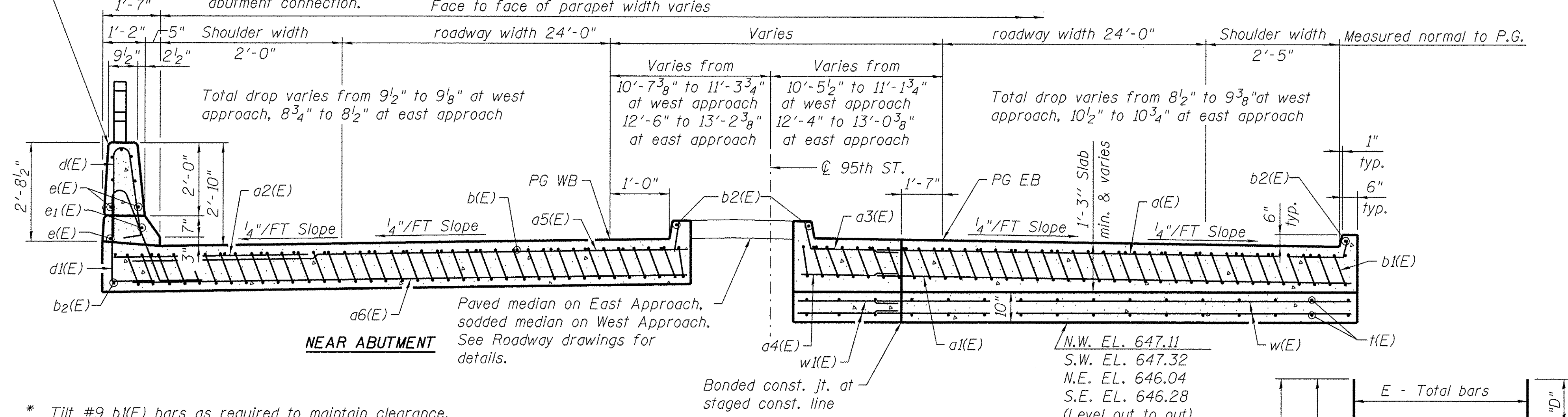
URS
100 S. WACKER DR., SUITE 500
CHICAGO, IL 60606
TEL (312) 939-1000
FAX (312) 939-4198

USER NAME	DESIGNED	REVISIONS
#STB#	STB 11/01/10	REVISIONS
	NPP 11/08/10	REVISIONS
	KJZ 11/01/10	REVISIONS
	NPP 11/08/10	REVISIONS

FILE NAME = p:\MCD04_25387\811_95th\Drawings\Contract\North\Structures\Brdge (Spring Brook)\Control\Copu - Final Design\06-Top of Slab Elevations.dgn



- Notes:
- See Approach Slab Sheet for locations of Sections B-B, C-C, D-D, and E-E.
 - Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
 - Approach footing concrete shall be paid for as Concrete Structures.
 - Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 - For v(E) bar details, see sheet Superstructure Details 2.
 - The approach footing maximum applied service bearing pressure (Omax) = 2.0 ksf.
 - For bar splicer details, see Bar Splicer Details sheet.
 - Cost of excavation for approach footing included with Concrete Structures.
 - For Porous Granular Embankment (Special) and drainage treatment details, see Abutment Detail sheets.
 - For additional parapet details, see Superstructure Detail sheet.
 - See Railing sheet for parapet Railing Details.
 - Reinforcement bars designated (E) shall be epoxy coated.



EAST AND WEST APPROACH SLABS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	50	#4	30'-11"	
a1(E)	92	#5	31'-2"	
a2(E)	48	#6	6'-6"	
a3(E)	25	#4	27'-7"	
a4(E)	46	#5	27'-0"	
a5(E)	50	#4	30'-6"	
a6(E)	92	#5	30'-0"	
b(E)	117	#4	29'-8"	
b1(E)	345	#9	29'-9"	
b2(E)	8	#4	14'-8"	
b3(E)	4	#4	29'-8"	
d(E)	68	#5	5'-7"	
d1(E)	34	#5	8'-3"	
d2(E)	34	#5	5'-0"	
e(E)	32	#4	14'-8"	
e1(E)	4	#8	14'-8"	
t(E)	292	#4	10'-3"	
w(E)	80	#5	34'-1"	
w1(E)	40	#5	25'-5"	
w2(E)	80	#5	30'-0"	
Concrete Superstructure				Cu. Yd. 239.0
Concrete Structures				Cu. Yd. 46.1
Reinforcement Bars, Epoxy Coated				Pound 54,760
Bridge Deck Grooving				Sq. Yd. 421
Protective Coat				Sq. Yd. 621

*See Field Cutting Diagram

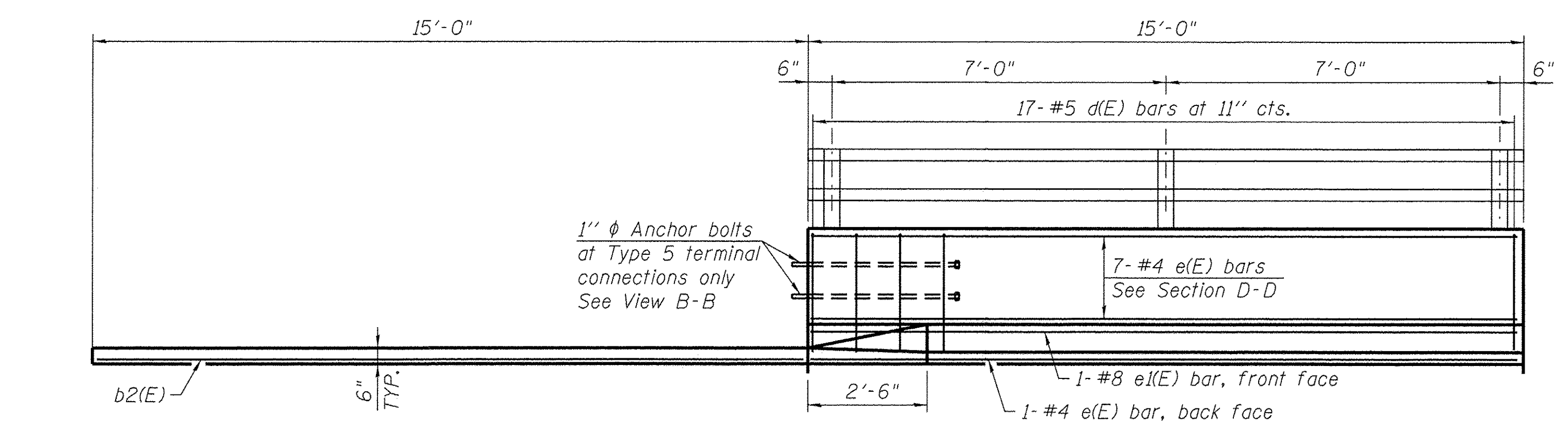
* Tilt #9 b1(E) bars as required to maintain clearance.
 *** Cost included with Concrete Superstructure.

SECTION D-D AT APPROACH FOOTING
 (See Plan for dimensions not shown)

FIELD CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder of bars in opposite end.

Bar	A	B	C	D	E
a3(E)	8'-6"	18'-1"	27'-7"	11'-1"	25
a4(E)	8'-6"	18'-4"	27'-0"	11'-3"	46
w1(E)	7'-11"	17'-6"	25'-5"	8'-9"	40



VIEW E-E

