FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2
TRAFFIC DATA

VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS

CONTRACT #61J25

PROJECT LOCATED IN THE VILLAGE OF PLAINFIELD AND VILLAGE OF BOLINGBROOK

01-17-2025 LETTING ITEM 085

PROPOSED HIGHWAY PLANS

PLAINFIELD–NAPERVILLE ROAD AND 127TH STREET/REAGAN BOULEVARD INTERSECTION RECONSTRUCTION

SECTION: 08–00044–00–WR
PROJECT 26ZD(146)
VILLAGE OF PLAINFIELD
WILL COUNTY
JOB NO. C–91–096–20

FUNCTIONAL CLASSIFICATION:
- PLAINFIELD–NAPERVILLE ROAD = MAJOR COLLECTOR
- 127TH STREET/REAGAN BOULEVARD = MAJOR COLLECTOR

ADT:
- PLAINFIELD–NAPERVILLE ROAD (NORTH LEG) = 8,900 (2023)
- PLAINFIELD–NAPERVILLE ROAD (SOUTH LEG) = 6,800 (2023)
- PLAINFIELD–NAPERVILLE ROAD = 12,000 (2040)
- PV = 98%; SU = 2%; MU = 0%
- REAGAN BOULEVARD (EAST LEG) = 5,650 (2023)
- 127TH STREET (WEST LEG) = 7,000 (2023)
- 127TH STREET/REAGAN BOULEVARD = 11,000 (2040)
- PV = 98%; SU = 2%; MU = 0%

DESIGN SPEED:
- PLAINFIELD–NAPERVILLE ROAD (NORTH LEG) = 50 MPH
- PLAINFIELD–NAPERVILLE ROAD (SOUTH LEG) = 45 MPH
- 127TH STREET/REAGAN BOULEVARD = 45 MPH

POSTED SPEED:
- PLAINFIELD–NAPERVILLE ROAD (NORTH LEG) = 50 MPH
- PLAINFIELD–NAPERVILLE ROAD (SOUTH LEG) = 45 MPH
- REAGAN BOULEVARD (EAST LEG) = 35 MPH
- 127TH STREET (WEST LEG) = 40 MPH

END IMPROVEMENTS
PLAINFIELD–NAPERVILLE ROAD
STA. 112 + 50.00

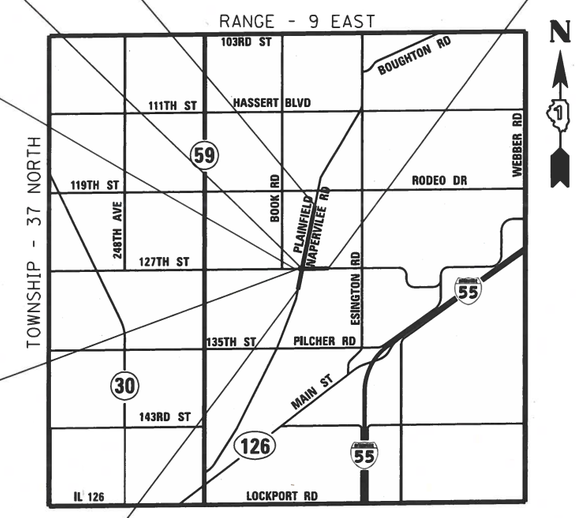
STA. 99 + 99.94 PLAINFIELD–NAPERVILLE ROAD
= STA. 25 + 57.58 127TH STREET/REAGAN BLVD.
127TH ST. FROM STA. 19 + 88.72 TO 25 + 57.58
REAGAN BLVD. FROM STA. 25 + 57.58 TO STA. 32 + 52.55

S.N. 099–3113

END IMPROVEMENTS
REAGAN BLVD
STA. 32 + 52.55

BEGIN IMPROVEMENTS
127TH STREET
STA. 22 + 45.17

BEGIN IMPROVEMENTS
PLAINFIELD–NAPERVILLE ROAD
STA. 90 + 65.75



LOCATION MAP
SCALE: 1" = 1 MILE

LOCATION OF SECTION INDICATED THUS:–

AGENCY RESPONSIBLE FOR LETTING

APPROVED 10-23 2024
Randall Wayne Jessen
VILLAGE OF PLAINFIELD

PASSED Oct 29 2024
District 1 Engineer of Local Roads & Streets

RELEASING FOR BID BASED ON LIMITED REVEW Nov 1st 2024
Deputy Director of Highways, Region 1 Engineer

ANDREW W. MCKENNA
062-053651
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

Andrew McKenna

ANDREW W. MCKENNA, P.E.
NO. 062-053651
EXP. DATE 11/30/2025
APPLIES TO SHEETS 1-102

WHEATLAND TOWNSHIP
WILL COUNTY

PROJECT GROSS AND NET LENGTH:
PLAINFIELD–NAPERVILLE ROAD = 2184.25 FEET (0.41 MILES)
127TH STREET/REAGAN BOULEVARD = 1007.38 FEET (0.19 MILES)

TOTAL = 3191.63 FEET (0.60 MILES)

0 100' 200' — 1" = 100'
0 50' 100' — 1" = 50'
0 50' 100' — 1" = 20'

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.

CONTRACT: 61J25

Illinois Professional Design Firm # 184-001690
Lochner
225 WEST WASHINGTON STREET 12TH FLOOR
CHICAGO, IL 60606 / 312-372-3011 (P)

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL

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

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK NO. ____ / BY / DATE

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 10/25/2024	DATE - 10/25/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
COVER SHEET

SCALE: N/A | SHEET NO.1 OF1 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	1
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		

INDEX OF SHEETS

HIGHWAY STANDARDS

STD. NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
542201-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS, 15" (375 mm) THRU 36" (900 mm) DIAMETER SKEWED WITH ROADWAY
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAIN
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602301-04	INLET, TYPE A
602306-03	INLET, TYPE B
602401-07	PRECAST MANHOLE, TYPE A 4' (1.22 m) DIAMETER
602402-03	PRECAST MANHOLE, TYPE A 5' (1.52 m) DIAMETER
602406-11	PRECAST MANHOLE, TYPE A, 6' (1.8 m) DIAMETER
602411-09	PRECAST MANHOLE, TYPE A, 7' (2.1 m) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604036-03	GRATE, TYPE 8
604086-05	FRAME AND GRATE, TYPE 23
604091-05	FRAME AND GRATE, TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER, TYPE B-6.24 (B-15.60)
630001-13	STEEL PLATE BEAM GUARDRAIL
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
725001-01	OBJECT AND TERMINAL MARKERS
729001-01	APPLICATIONS OF TYPE A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877011-10	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

DISTRICT ONE STANDARDS

STD. NO.	DESCRIPTION
BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER GREATER THAN OR EQUAL TO 15' (4.5m)
BD-32	BUTT JOINTS AND HMA TAPER
BD-36	FIRE HYDRANT TO BE MOVED
BE-240	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	MAST ARM MOUNTED STREET NAME SIGNS
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (7 SHEETS)

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2025, THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE IDOT GEOTECHNICAL MANUAL (ADOPTED DECEMBER 4TH, 2020), THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".

2. THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE VILLAGE AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY TO VERIFY GRADE CONFLICTS WILL NOT OCCUR WITH ANY PROPOSED UTILITIES PRIOR TO CONSTRUCTION AND ORDERING ANY MATERIALS. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.

3. THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS DEPARTMENT AT 1-815-436-3577 AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.

4. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

5. THE RESIDENT ENGINEER SHALL PROVIDE WCDOT A LIST OF MATERIALS USED AND IDENTIFY THEIR ASSOCIATED IDOT CERTIFICATION, SHALL PROVIDE WCDOT WITH A COPY OF ALL MATERIAL TESTING COMPANY RESULTS, SHALL SIGN AND PROVIDE WCDOT ON A WEEKLY BASIS WEEKLY FIELD REPORTS UTILIZING THE APPROPRIATE IDOT FORM, AND SHALL SUBMIT TO WCDOT A CERTIFICATION LETTER THAT CERTIFIES COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.

6. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNERS, THEIR AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

7. THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISRIMATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY.

COMMITMENTS

NONE

GENERAL NOTES CONT.

8. THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.

9. ALL DISTURBED GROUND WITHIN THE VILLAGE OF PLAINFIELD RIGHT-OF-WAY SHALL BE RE-SEEDED (CLASS 2A), FERTILIZED, AND EROSION CONTROL BLANKET INSTALLED TO THE SATISFACTION OF THE VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS.

10. EXISTING PAVEMENT, PATH PAVEMENT, CURB AND GUTTER AND SIDEWALK TO REMAIN IN PLACE SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING.

11. 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 VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS PRIOR TO DOING THE PROOF ROLL.

12. THE RESIDENT ENGINEER SHALL PROVIDE VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS A LIST OF MATERIALS USED AND IDENTIFY THEIR ASSOCIATED IDOT CERTIFICATION, SHALL PROVIDE VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS WITH A COPY OF ALL MATERIAL TESTING COMPANY RESULTS, SHALL SIGN AND PROVIDE VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS ON A WEEKLY BASIS WEEKLY FIELD REPORTS UTILIZING THE APPROPRIATE IDOT FORM, SHALL SUBMIT TO VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS A CERTIFICATION LETTER THAT CERTIFIES COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.

13. A PORTABLE BATHROOM(S) SHALL BE PLACED ON THE JOB SITE(S) AND RELOCATED WHEN NECESSARY SO IT IS ACCESSIBLE TO WORKERS. IF WORK IS OCCURING AT SEVERAL LOCATIONS, ONE PORTABLE BATHROOM SHALL BE PLACED AS EACH LOCATION WIHIN A REASONABLE DISTANCE FROM THE WORK AS DETERMINED BY THE ENGINEER.

14. VERIFY SITE CONDITIONS AND INFORMATION ON DRAWINGS. PROMPTLY REPORT ANY CONCEALED CONDITIONS, MISTAKES, DISCREPANCIES OR DEVIATIONS FROM THE INFORMATION SHWON IN THE CONTRACT DOCUMENTS. THE OWNER IS NOT RESPONSIBLE FOR UNAUTHORIZED CHANGES OR EXTRA WORK REQUIRED TO CORRECT UNREPORTED DEFICIENCIES.

15. SECURE AND PAY FOR PERMITS, FEES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTIONS OF THIS WORK. COMPLY WITH CODES APPLICABLE TO THIS WORK.

16. ANY DAMAGE TO PAVEMENT, SIDEWALK, CURB OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFIED TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.

17. REFER TO SPECIFICATIONS FOR ADDITIONAL CONDITIONS, STANDARDS, AND NOTES.

18. ALL OPEN HOLE, BROKEN PAVEMENT AND TRENCHES RESULTING FROM STRUCTURE ADJUSTMENT, SIDEWALK REPAIR, AND CURB REPIAR WORK SHALL BE BACKFILLED TO GRADE BY THE END OF THE DAY.

19. PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY TO THE EXISTING WETLANDS. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

20. CONTRACTOR TO ASSUME 6" OF TOPSOIL EXCAVATION. THE VILLAGE OF PLAINFIELD IS TO PROVIDE STOCKPILING INFORMATION TO THE CONTRACTOR AS COORDINATED BY THE RESIDENT ENGINEER.

21. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

22. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMNT (CU YD) HAVE BEEN PROVIDED FOR US AT THE LOCATIONS INDICATED FOR SOIL THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

23. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONSTRACTOR'S VEHICLES AND/OR EEQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR EXPENSE.

24. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS1 OR RR1.

25. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

26. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

	IDOT CODE NO.	ITEM	UNIT	ROADWAY 0003 80% FED 20% STATE TOTAL	PLAINFIELD - (WEST AND SOUTH LEGS)	WCDOT (NORTH LEG)	BOLING-BROOK (EAST LEG)
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	30			30
*	20100500	TREE REMOVAL, ACRES	ACRE	0.25	0.25		
	20200100	EARTH EXCAVATION	CU YD	12835	5350	3435	4050
	20200200	ROCK EXCAVATION	CU YD	5		5	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1550	1380	160	10
	20400800	FURNISHED EXCAVATION	CU YD	1865	645	1220	
	20800150	TRENCH BACKFILL	CU YD	294	225	50	19
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1399	855	215	329
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2680	1055	1180	445
*	25000210	SEEDING, CLASS 2A	ACRE	3.00	1.00	1.25	0.75
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	265	93	107	65
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	265	93	107	65
*	25100125	MULCH, METHOD 3	ACRE	3.00	1.50	1.25	0.25
*	25100630	EROSION CONTROL BLANKET	SQ YD	18129	8926	5740	3463
*	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	931	931		

* SPECIALTY ITEM

IDOT CODE NO.	ITEM	UNIT	ROADWAY 0003 80% FED 20% STATE TOTAL	PLAINFIELD - (WEST AND SOUTH LEGS)	WCDOT (NORTH LEG)	BOLING-BROOK (EAST LEG)
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	287	147	115	25
28000305	TEMPORARY DITCH CHECKS	FOOT	100		100	
28000400	PERIMETER EROSION BARRIER	FOOT	6535	2943	2602	990
28000500	INLET AND PIPE PROTECTION	EACH	2		2	
28000510	INLET FILTERS	EACH	27	20	1	6
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	400	400		
28100105	STONE RIPRAP, CLASS A3	SQ YD	35	29	6	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	481	300	71	110
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	13866	6743	3842	3281
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	977	977		
35102400	AGGREGATE BASE COURSE, TYPE B 12"	SQ YD	389		389	
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	500	350		150
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3390	1735	869	787
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1124	453	435	236
40600370	LONGITUDINAL JOINT SEALANT	FOOT	5563	2767	1590	1206

* SPECIALTY ITEM

IDOT CODE NO.	ITEM	UNIT	ROADWAY 0003 80% FED 20% STATE TOTAL	PLAINFIELD - (WEST AND SOUTH LEGS)	WCDOT (NORTH LEG)	BOLING-BROOK (EAST LEG)
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	0.2		0.2	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	22		22	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	111	111		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	6363	2716	2237	1410
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	167		167	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	221	149	55	17
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1514	679	482	353
44000100	PAVEMENT REMOVAL	SQ YD	13277	7572	4264	1441
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	818	391	233	194
44000600	SIDEWALK REMOVAL	SQ FT	4016	4016		
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SQ YD	364	364		
48203013	HOT-MIX ASPHALT SHOULDERS, 4"	SQ YD	1416		1416	
50104400	CONCRETE HEADWALL REMOVAL	EACH	3	3		
50105220	PIPE CULVERT REMOVAL	FOOT	470	190	255	25
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2		

* SPECIALTY ITEM

IDOT CODE NO.	ITEM	UNIT	ROADWAY 0003 80% FED 20% STATE TOTAL	PLAINFIELD - (WEST AND SOUTH LEGS)	WCDOT (NORTH LEG)	BOLING-BROOK (EAST LEG)
5421A018	PIPE CULVERTS, CLASS A, TYPE 1 18" (TEMPORARY)	FOOT	44	20	24	
5421A024	PIPE CULVERTS, CLASS A, TYPE 1 24" (TEMPORARY)	FOOT	36	36		
54261415	CONCRETE END SECTION, STANDARD 542001, 15", 1:4	EACH	3	1	2	
54261418	CONCRETE END SECTION, STANDARD 542001, 18", 1:4	EACH	2		2	
54263224	CONCRETE END SECTION, STANDARD 542011, 24", 1:2	EACH	1	1		
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	20		20	
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	75		75	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	62	62		
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	349	95	176	78
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	521	521		
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	205	23		182
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	195		195	
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	342		342	
550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	49			49
550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	56	56		

* SPECIALTY ITEM

	IDOT CODE NO.	ITEM	UNIT	ROADWAY 0003 80% FED 20% STATE TOTAL	PLAINFIELD - (WEST AND SOUTH LEGS)	WCDOT (NORTH LEG)	BOLING-BROOK (EAST LEG)
	55100500	STORM SEWER REMOVAL 12"	FOOT	43	34		9
*	56400100	FIRE HYDRANTS TO BE MOVED	EACH	2	1	1	
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	8	2	4	2
	60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	300	200	50	50
	60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	3400	2000	900	500
	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1			1
	60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	2	2		
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1		1	
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	2		2
	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	4	4		
	60219530	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	1	1		
	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1		
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1	
	60222230	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	1	1		
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	1	1	

* SPECIALTY ITEM

IDOT CODE NO.	ITEM	UNIT	ROADWAY 0003 80% FED 20% STATE TOTAL	PLAINFIELD - (WEST AND SOUTH LEGS)	WCDOT (NORTH LEG)	BOLING-BROOK (EAST LEG)
60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	1	1		
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		2	
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	11	8		3
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	1		1	
60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
60240327	INLETS, TYPE B, TYPE 23 FRAME AND GRATE	EACH	3	2		1
60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	1	1		
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	5	5		
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	5	5		
60500040	REMOVING MANHOLES	EACH	2		1	1
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	13	9	4	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	3312	2106		1206
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	358		358	
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	125	125		
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1		

* SPECIALTY ITEM

	IDOT CODE NO.	ITEM	UNIT	ROADWAY 0003 80% FED 20% STATE TOTAL	PLAINFIELD - (WEST AND SOUTH LEGS)	WCDOT (NORTH LEG)	BOLING-BROOK (EAST LEG)
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2		
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2		
	63200310	GUARDRAIL REMOVAL	FOOT	201	201		
	67100100	MOBILIZATION	L SUM	1	0.50	0.34	0.16
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	600	300	300	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	10869	5525	5335	9
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	30991	15113	15852	26
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	36		36	
	70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	228	202	26	
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	2800	1500	1300	
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	4725	1787.5	2937.5	
	70600235	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	2	1	1	
	70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	9	6	3	
	70600320	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	2	1	1	
	70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	14	8	6	

* SPECIALTY ITEM

	IDOT CODE NO.	ITEM	UNIT	ROADWAY 0003 80% FED 20% STATE TOTAL	PLAINFIELD - (WEST AND SOUTH LEGS)	WCDOT (NORTH LEG)	BOLING-BROOK (EAST LEG)
*	72000100	SIGN PANEL - TYPE 1	SQ FT	62	39	9	14
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	15	12	2	1
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	6	6		
*	72500100	OBJECT MARKER - TYPE 1	EACH	2	2		
*	73000100	WOOD SIGN SUPPORT	FOOT	126	91	14	21
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	313	239	37	37
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6435	2594	2341	1500
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	773	386	187	200
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	690	89	601	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	96	96		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	112	56	57	
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	2051	955	1095	
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	103	51.50	25.75	25.75
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	114	57.0	28.5	28.5
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	309	154.50	77.25	77.25

* SPECIALTY ITEM

	IDOT CODE NO.	ITEM	UNIT	ROADWAY 0003 80% FED 20% STATE TOTAL	PLAINFIELD - (WEST AND SOUTH LEGS)	WCDOT (NORTH LEG)	BOLING-BROOK (EAST LEG)
*	81400100	HANDHOLE	EACH	3	1.50	0.75	0.75
*	81400300	DOUBLE HANDHOLE	EACH	1	0.50	0.25	0.25
*	81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	757	378.5	189.3	189.3
*	85100500	PAINT NEW TRAFFIC SIGNAL POST	EACH	4	2	1	1
*	85100800	PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	2	1.0	0.5	0.5
*	85100901	PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	2	1.0	0.5	0.5
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	294	147	73.5	73.5
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	730	365	182.5	182.5
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1418	709	354.5	354.5
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	164	82	41	41
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	632	316	158	158
*	87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	4	2	1	1
*	87702870	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1	0.50	0.25	0.25
*	87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1	0.50	0.25	0.25
*	87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1	0.50	0.25	0.25

* SPECIALTY ITEM

	IDOT CODE NO.	ITEM	UNIT	ROADWAY 0003 80% FED 20% STATE TOTAL	PLAINFIELD - (WEST AND SOUTH LEGS)	WCDOT (NORTH LEG)	BOLING-BROOK (EAST LEG)
*	87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1	0.50	0.25	0.25
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16	8	4	4
*	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4	2	1	1
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	47	23.50	11.75	11.75
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4	2	1	1
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	2	1	1
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	2	1	1
*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8	4	2	2
*	88700200	LIGHT DETECTOR	EACH	2	1	0.5	0.5
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1	0.5	0.25	0.25
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	0.50	0.25	0.25
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.50	0.34	0.16
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	128	64	26	38
*	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4	2	1	1
	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	72	72		

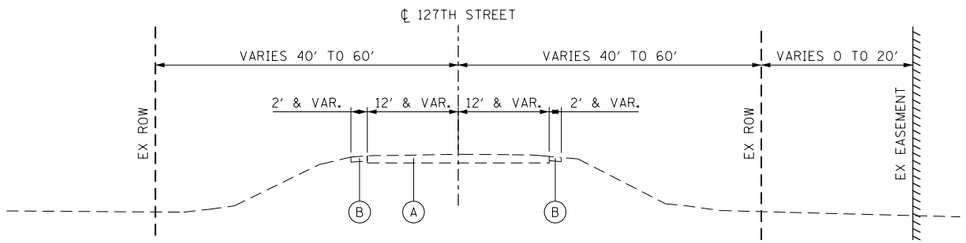
* SPECIALTY ITEM

	IDOT CODE NO.	ITEM	UNIT	ROADWAY 0003 80% FED 20% STATE TOTAL	PLAINFIELD - (WEST AND SOUTH LEGS)	WCDOT (NORTH LEG)	BOLING-BROOK (EAST LEG)
*	Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	110	110		
*	Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	129	129		
	Z0062456	TEMPORARY PAVEMENT	SQ YD	6085	3459	2626	
	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	1.0	0.5	0.5
#	Z0076600	TRAINEES	HOUR	500	249.96	167.95	82.09
#	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	249.96	167.95	82.09
*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	282	141	70.5	70.5
*	X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4	2	1	1
	X1200050	BOX CULVERT REMOVAL	FOOT	36	36		
*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	0.50	0.25	0.25
*	X1400238	LUMINAIRE, LED, SPECIAL	EACH	4	2	1	1
*	X1400424	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	704	352	176	176
	X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	1.25	0.50	0.75	
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	10	2	8	
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2		

* SPECIALTY ITEM
\# 0042

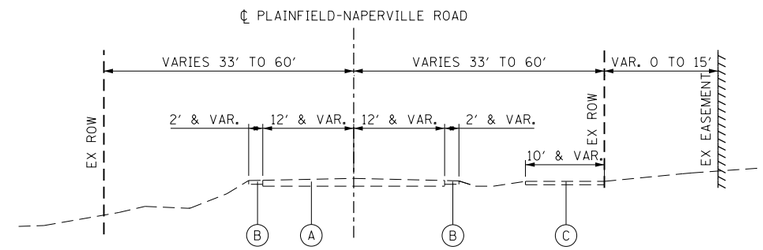
	IDOT CODE NO.	ITEM	UNIT	ROADWAY 0003 80% FED 20% STATE TOTAL	PLAINFIELD - (WEST AND SOUTH LEGS)	WCDOT (NORTH LEG)	BOLING-BROOK (EAST LEG)
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	2181		2181	
	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	5	2	1	2
*	X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	12.5	12.5		
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	10	5.0	3.4	1.6
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.50	0.34	0.16
*	X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	167	74	65	28
*	X8570233	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	0.50	0.25	0.25
*	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1	0.50	0.25	0.25
*	X8891546	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	4	2	1	1
	LR443200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1501		1501	

* SPECIALTY ITEM



EXISTING TYPICAL SECTION

127TH STREET/ REAGAN BOULEVARD
STA. 22+81.17 TO STA. 32+52.55

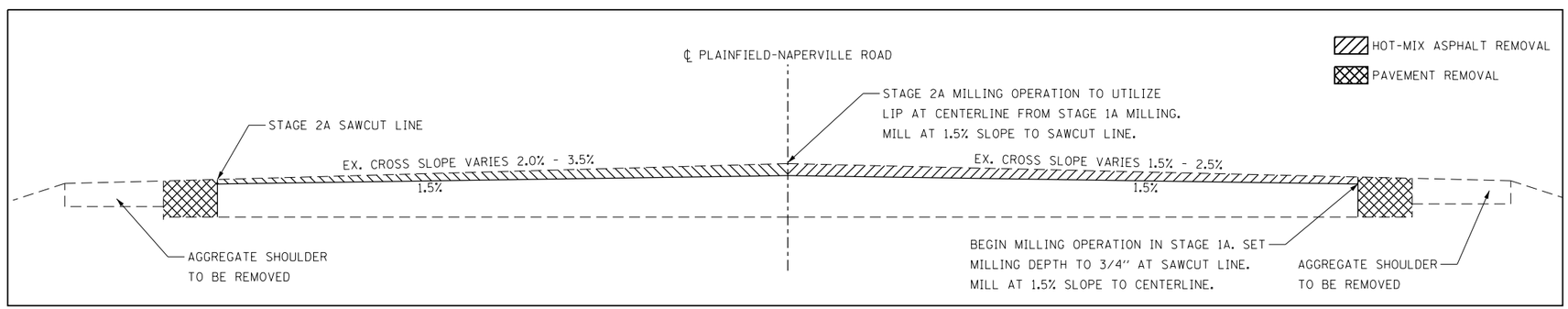


EXISTING TYPICAL SECTION

PLAINFIELD-NAPERVILLE ROAD
STA. 90+65.75 TO STA. 112+50.00

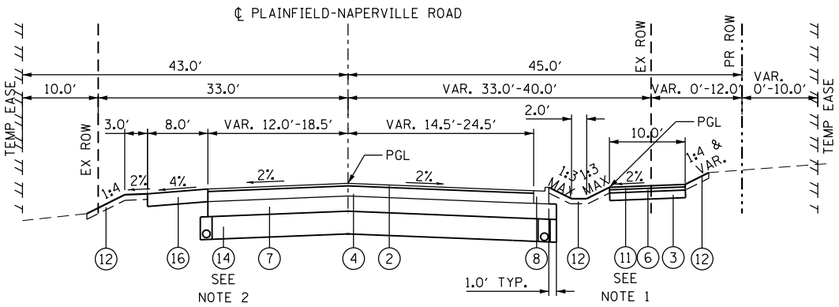
EXISTING LEGEND

- (A) EXISTING HMA PAVEMENT (6''-12'' APPROX.)
- (B) EXISTING AGGREGATE SHOULDER
- (C) EXISTING HMA SIDEWALK



MILLING DETAIL (STA. 105+00 TO 112+50)

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD EXISTING TYPICAL SECTIONS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	15
	PLOT SCALE = 20.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: N/A SHEET NO.1 OF3 SHEETS STA. N/A TO STA. N/A		ILLINOIS FED. AID PROJECT			

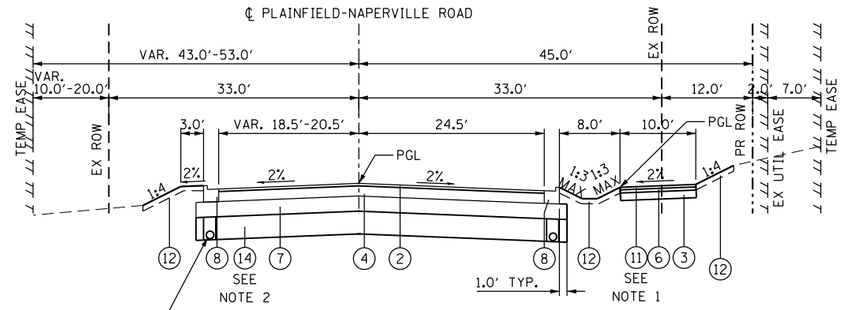


PROPOSED TYPICAL SECTION

PLAINFIELD-NAPERVILLE ROAD
STA. 90+65.75 TO STA. 95+10.00
NOTE 1: SHARED-USE PATH BEGINS AT STA. 90+65.75
NOTE 2: LOCATION OF AGGREGATE SUBGRADE IMPROVEMENT
STA. 91+61 TO STA. 95+11, 6″ (THIS UNDERCUT SHOULD BE EVALUATED BY THE CONTRACTOR IN THE FIELD AT THE TIME OF CONSTRUCTION TO DETERMINE IF IT IS NEEDED. QUANTITY HAS BEEN PROVIDED).
STA. 95+11 TO STA. 98+61. 18″

LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE COURSE MIX AND UNDER THE TOP LIFT OF THE BINDER COURSE MIX.

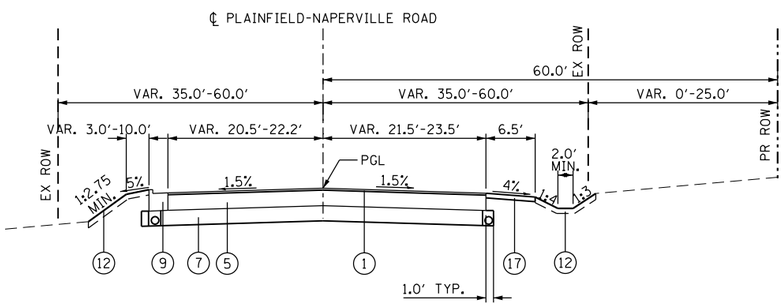
PIPE UNDERDRAIN TYPE 2 6″ (60108206) & PIPE UNDERDRAIN 6″ SPECIAL (60108200) TO BE PLACED AT DIRECTION OF RESIDENT ENGINEER (TYP.)



PROPOSED TYPICAL SECTION

PLAINFIELD-NAPERVILLE ROAD
STA. 95+10.00 TO STA. 100+80.00
NOTE 1: SHARED-USE PATH BEGINS AT STA. 90+65.75
NOTE 2: LOCATION OF AGGREGATE SUBGRADE IMPROVEMENT
STA. 91+61 TO STA. 95+11, 6″
STA. 95+11 TO STA. 98+61. 18″

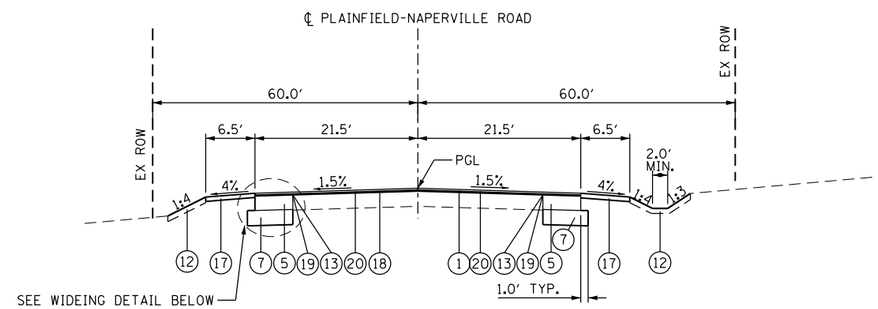
LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE COURSE MIX AND UNDER THE TOP LIFT OF THE BINDER COURSE MIX.



PROPOSED TYPICAL SECTION

PLAINFIELD-NAPERVILLE ROAD
STA. 100+80.00 TO STA. 105+00.00
NOTE 1: 1.5′ PAVED SHOULDER INCLUDED IN WIDTH OF ROADWAY

LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE COURSE MIX AND UNDER THE TOP LIFT OF THE BINDER COURSE MIX.



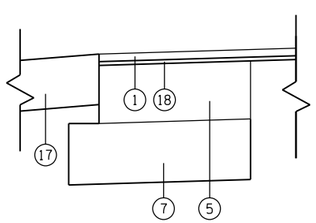
PROPOSED TYPICAL SECTION

PLAINFIELD-NAPERVILLE ROAD
STA. 105+00.00 TO STA. 112+50.00
NOTE 1: 1.5′ PAVED SHOULDER INCLUDED IN WIDTH OF ROADWAY
NOTE 2: CONTINUE DITCH GRADING TO STA. 115+40

LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HMA BINDER COURSE, IL-4.75, N50

POLYMERIZED HMA BINDER WILL VARY BETWEEN 0.75″ AND 1.25″ THICKNESS FROM STA. 109+00 TO STA. 111+50 NEAR THE WEST SIDE SAWCUT

SEE MILLING DETAIL ON EXISTING TYPICAL SECTIONS SHEET



WIDENING DETAIL

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

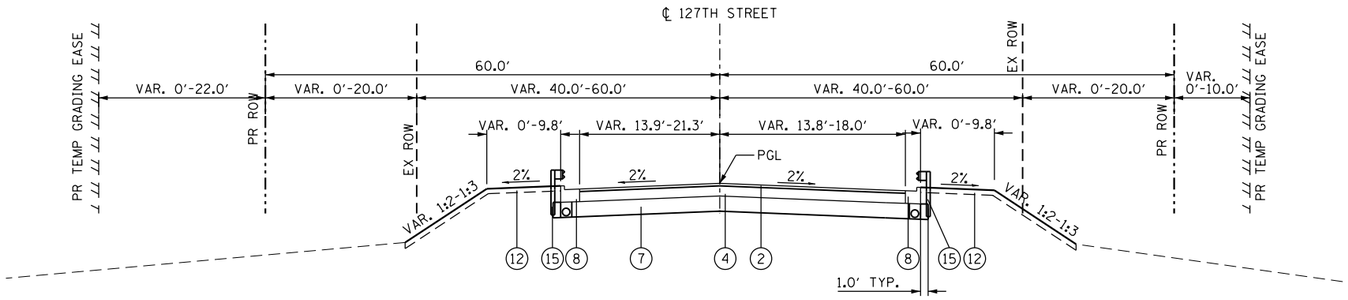
2. THE AC TYPE FOR POLYMERIZED HMA MIXTURES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

PROPOSED LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 - 1.5″ (40604062)
2. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 - 2″ (40604062)
3. AGGREGATE BASE COURSE, TYPE B 6″ (35101800)
4. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 8″ (40603085)
5. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 11.5″ (40603085)
6. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 2.5″ (40603080)
7. AGGREGATE SUBGRADE IMPROVEMENT, 12″ (30300112)
8. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (60604400)
9. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
10. OMIT
11. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 2″ (40604060)
12. SEEDING CLASS 2A OR 4 (SEE LANDSCAPING PLANS)
    EROSION CONTROL BLANKET (25100630)
    NITROGEN FERTILIZER NUTRIENT (25000400)
    POTASSIUM FERTILIZER NUTRIENT (25000600)
    PLACE 6″ TOPSOIL
13. SAW CUTTING, (FULL DEPTH)
14. AGGREGATE SUBGRADE IMPROVEMENT (30300001)
15. STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (63000003)
16. AGGREGATE SHOULDERS, TYPE B, 10″ (48101620)
17. HOT-MIX ASPHALT SHOULDERS, 4″ (48203013)
18. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 0.75″ (40603200)
19. STRIP REFLECTIVE CRACK CONTROL TREATMENT (LR443200)
20. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH 0-2″ (X4401198)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

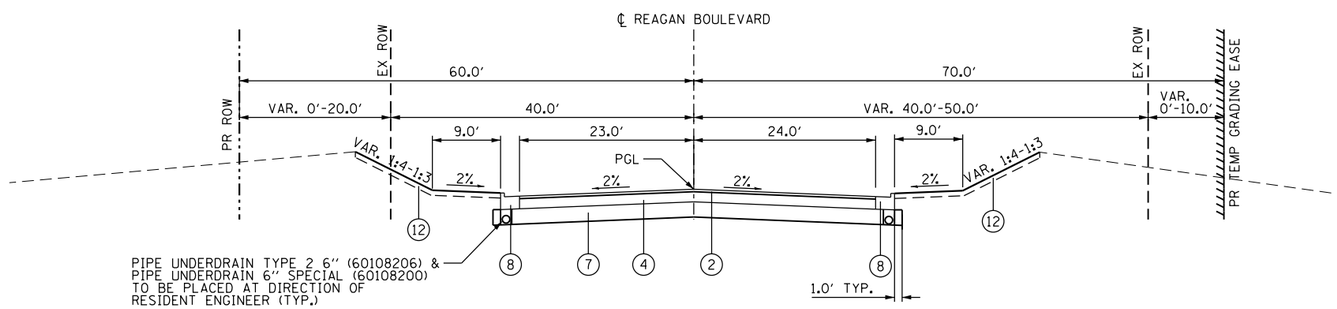
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D, IL-9.5, N70, 1.5″ & 2″	4% @ 70 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 8″ & 11.5″	4% @ 70 Gyr.	LR 1030-2
RESURFACING & WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D, IL-9.5, N70, 1.5″	4% @ 70 Gyr.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75″	3.5% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 11.5″	4% @ 70 Gyr.	LR 1030-2
DRIVEWAY (PRIVATE ENTRANCE)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2″	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BASE COURSE, 6″ (HMA BINDER IL-19.0)	4% @ 50 Gyr.	LR 1030-2
DRIVEWAY (FIELD ENTRANCE)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, IL-9.5, 2.5″	4% @ 50 Gyr.	LR 1030-2
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2″	4% @ 70 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8″	4% @ 70 Gyr.	LR 1030-2
HMA SHOULDERS 4″		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D, IL-9.5, N70, 1.5″	4% @ 70 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2.5″	4% @ 70 Gyr.	LR 1030-2
SHARED-USE PATH/WEST END OF PROJECT LIMITS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2″	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2.5″	4% @ 50 Gyr.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2		



PROPOSED TYPICAL SECTION

127TH STREET
STA. 22+81.17 TO STA. 25+57.78

LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE COURSE MIX AND UNDER THE TOP LIFT OF THE BINDER COURSE.



PROPOSED TYPICAL SECTION

REAGAN BOULEVARD
STA. 25+57.58 TO STA. 32+52.55

LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE COURSE MIX AND UNDER THE TOP LIFT OF THE BINDER COURSE.

PROPOSED LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 - 1.5" (40604062)
2. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 - 2" (40604062)
3. AGGREGATE BASE COURSE, TYPE B 6" (35101800)
4. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 8" (40603085)
5. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 11.5" (40603085)
6. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 2.5" (40603080)
7. AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
8. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (60604400)
9. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
10. OMIT
11. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 2" (40604060)
12. SEEDING CLASS 2A OR 4 (SEE LANDSCAPING PLANS)
    EROSION CONTROL BLANKET (25100630)
    NITROGEN FERTILIZER NUTRIENT (25000400)
    POTASSIUM FERTILIZER NUTRIENT (25000600)
    PLACE 6" TOPSOIL
13. SAW CUTTING, (FULL DEPTH)
14. AGGREGATE SUBGRADE IMPROVEMENT (30300001)
15. STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (63000003)
16. AGGREGATE SHOULDERS, TYPE B, 10" (48101620)
17. HOT-MIX ASPHALT SHOULDERS, 4" (48203013)
18. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 0.75" (40603200)
19. STRIP REFLECTIVE CRACK CONTROL TREATMENT (LR443200)
20. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH 0-2" (X4401198)

PLAINFIELD-NAPERVILLE ROAD EARTHWORK SCHEDULE

EARTHWORK SCHEDULE

LOCATION		20200100 **EARTH EXCAVATION**	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR	20400800 **FURNISHED EXCAVATION**	21101505 **TOPSOIL EXCAVATION AND**	TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	20201200 **REMOVAL AND DISPOSAL OF UNSUITABLE**
STATION	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
90+50.00	90+65.75	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
90+65.75	91+00.00	25.91	22.02	0.69	21.34		5.05	9.05	-4.00	0.00
91+00.00	91+50.00	73.21	62.23	1.95	60.28		13.29	24.31	-11.02	0.00
91+50.00	92+00.00	90.48	76.91	3.19	73.71		12.13	21.79	-9.66	16.06
92+00.00	92+50.00	117.10	99.54	4.77	94.76		13.57	21.88	-8.31	32.84
92+50.00	93+00.00	136.32	115.88	3.75	112.12		16.40	21.98	-5.58	34.29
93+00.00	93+50.00	148.06	125.85	4.65	121.19		19.17	22.38	-3.21	35.73
93+50.00	94+00.00	166.09	141.18	3.43	137.75		19.64	22.38	-2.74	37.17
94+00.00	94+50.00	168.46	143.19	2.65	140.54		17.11	20.26	-3.15	38.10
94+50.00	95+00.00	172.66	146.76	6.42	140.34		21.30	22.86	-1.56	41.67
95+00.00	95+50.00	243.77	207.21	7.40	199.80		27.35	27.11	0.24	91.20
95+50.00	96+00.00	295.95	251.56	8.11	243.45		28.12	27.75	0.36	137.99
96+00.00	96+50.00	283.83	241.25	8.29	232.97		28.50	27.04	1.45	138.61
96+50.00	97+00.00	265.50	225.67	7.86	217.81		28.92	25.95	2.96	139.86
97+00.00	97+50.00	265.41	225.60	7.55	218.05		28.72	23.78	4.94	141.56
97+50.00	98+00.00	276.39	234.93	7.43	227.50		28.15	21.35	6.80	142.01
98+00.00	98+50.00	299.62	254.67	14.62	240.06		31.87	24.58	7.29	142.01
98+50.00	99+00.00	258.35	219.60	19.04	200.56		37.07	30.97	6.10	71.01
99+00.00	99+50.00	231.17	196.50	14.69	181.81		38.22	35.49	2.73	0.00
INTERSECTION EARTHWORK ACCOUNTED FOR IN 127TH STREET TABLE										
100+50.00	101+00.00	170.28	144.74	9.29	135.45		25.50	18.85	6.66	0.00
101+00.00	101+50.00	188.17	159.94	12.62	147.32		30.09	28.77	1.31	0.00
101+50.00	102+00.00	159.36	135.45	16.35	119.11		29.38	27.36	2.02	0.00
102+00.00	102+50.00	136.24	115.81	28.59	87.22		31.88	30.84	1.04	0.00
102+50.00	103+00.00	114.99	97.74	33.47	64.28		30.02	28.51	1.51	0.00
103+00.00	103+50.00	111.08	94.42	32.54	61.88		26.97	25.97	1.00	0.00
103+50.00	104+00.00	146.33	124.38	29.31	95.06		27.48	29.38	-1.91	0.00
104+00.00	104+50.00	184.75	157.04	25.53	131.50		28.16	31.87	-3.71	0.00
104+50.00	105+00.00	197.08	167.52	24.09	143.43		31.85	37.15	-5.30	0.00
105+00.00	105+50.00	196.68	167.17	18.45	148.72		35.69	42.51	-6.81	0.00
105+50.00	106+00.00	208.44	177.17	14.39	162.78		37.44	45.31	-7.87	0.00
106+00.00	106+50.00	223.27	189.78	14.47	175.31		39.15	47.94	-8.79	0.00
106+50.00	107+00.00	222.31	188.96	22.15	166.81		40.85	50.55	-9.69	0.00
107+00.00	107+50.00	199.72	169.76	28.53	141.24		42.77	51.65	-8.88	0.00
107+50.00	108+00.00	160.66	136.56	27.75	108.81		40.48	47.88	-7.40	0.00
108+00.00	108+50.00	122.71	104.30	25.38	78.92		34.00	38.41	-4.41	0.00
108+50.00	109+00.00	90.74	77.13	24.79	52.33		28.85	29.74	-0.89	0.00
109+00.00	109+50.00	72.25	61.41	21.17	40.23		26.89	26.31	0.58	0.00
109+50.00	110+00.00	64.78	55.06	16.04	39.02		25.96	24.95	1.01	0.00
110+00.00	110+50.00	59.67	50.72	12.00	38.72		24.56	24.33	0.23	0.00
110+50.00	111+00.00	58.06	49.35	9.44	39.91		23.78	24.14	-0.35	0.00
111+00.00	111+50.00	56.07	47.66	7.04	40.62		24.13	25.71	-1.57	0.00
111+50.00	112+00.00	56.67	48.17	4.88	43.29		23.79	27.27	-3.48	0.00
112+00.00	112+50.00	53.79	45.72	2.41	43.31		19.60	24.60	-4.99	0.00
112+50.00	113+00.00	36.64	31.15	0.14	31.00		13.86	14.79	-0.93	0.00
113+00.00	113+50.00	22.33	18.98	0.00	18.98		11.21	7.41	3.81	0.00
113+50.00	114+00.00	22.33	18.98	0.00	18.98		11.21	7.41	3.81	0.00
114+00.00	114+50.00	22.33	18.98	0.00	18.98		11.21	7.41	3.81	0.00
114+50.00	115+00.00	22.33	18.98	0.00	18.98		11.21	7.41	3.81	0.00
TOTAL		6898.34	5863.59	587.31	5276.28	0.00	1202.58	1265.32	-62.74	1240.12

127TH STREET/REAGAN BOULEVARD EARTHWORK SCHEDULE

EARTHWORK SCHEDULE

LOCATION		20200100 **EARTH EXCAVATION**	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	20400800 **FURNISHED EXCAVATION**	21101505 **TOPSOIL EXCAVATION AND PLACEMENT**	TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	20201200 **REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL**
STATION	STATION	CU YD	CU YD	CU YD	CU YD		CU YD	CU YD	CU YD	CU YD
22+00.00	22+50.00	35.68	30.32	29.36	0.97		13.32	16.70	-3.38	
22+50.00	23+00.00	72.34	61.49	225.15	-163.66		38.39	49.55	-11.15	
23+00.00	23+50.00	73.47	62.45	382.35	-319.90		49.26	63.04	-13.78	
23+50.00	24+00.00	75.91	64.52	326.57	-262.05		50.81	62.93	-12.11	
24+00.00	24+50.00	72.51	61.63	300.14	-238.51		51.58	62.20	-10.63	
24+50.00	25+00.00	80.24	68.20	191.12	-122.92		42.64	45.03	-2.39	
25+00.00	25+50.00	229.24	194.85	30.99	163.86		24.25	15.56	8.69	
25+50.00	26+00.00	475.82	404.45	0.00	404.45		34.59	16.55	18.04	
26+00.00	26+50.00	673.76	572.70	0.00	572.70		51.88	39.81	12.06	
26+50.00	27+00.00	796.39	676.93	0.00	676.93		48.96	48.47	0.49	
27+00.00	27+50.00	778.97	662.12	0.00	662.12		48.83	48.34	0.49	
27+50.00	28+00.00	651.76	554.00	0.00	554.00		45.69	43.46	2.23	
28+00.00	28+50.00	463.84	394.26	0.00	394.26		38.51	32.97	5.54	
28+50.00	29+00.00	302.34	256.99	0.00	256.99		31.35	22.85	8.50	
29+00.00	29+50.00	226.58	192.59	0.69	191.90		29.48	21.31	8.18	
29+50.00	30+00.00	181.82	154.55	4.51	150.04		29.35	21.16	8.19	
30+00.00	30+50.00	160.83	136.70	10.59	126.11		29.74	20.50	9.24	
30+50.00	31+00.00	143.35	121.85	18.93	102.92		30.60	21.34	9.26	
31+00.00	31+50.00	120.22	102.18	26.86	75.32		31.43	22.25	9.18	
31+50.00	32+00.00	98.07	83.36	32.35	51.01		31.42	22.25	9.17	
32+00.00	32+50.00	83.85	71.27	36.79	34.48		30.98	21.66	9.32	
32+50.00	33+00.00	40.89	34.76	19.14	15.61		15.46	10.76	4.70	
33+00.00	33+50.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
TOTAL		5837.87	4962.19	1635.55	3326.64	0.00	798.54	728.69	69.84	7.10

PRE-STAGE PLAINFIELD-NAPERVILLE ROAD EARTHWORK SCHEDULE

EARTHWORK SCHEDULE

LOCATION		20200100 **EARTH EXCAVATION**	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	20400800 **FURNISHED EXCAVATION**	21101505 **TOPSOIL EXCAVATION AND PLACEMENT**	TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	20201200 **REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL**
STATION	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
90+50.00	90+65.75	0.00	0.00	0.00	0.00		0.00	0.00	0.00	
90+65.75	91+00.00	0.64	0.54	6.05	-5.50		5.13	5.64	-0.51	
91+00.00	91+50.00	2.70	2.29	11.39	-9.10		14.09	9.34	4.76	
91+50.00	92+00.00	2.97	2.53	6.44	-3.91		13.24	2.51	10.73	
92+00.00	92+50.00	2.34	1.99	13.54	-11.55		14.02	3.88	10.14	
92+50.00	93+00.00	2.03	1.72	34.22	-32.50		15.95	6.68	9.27	
93+00.00	93+50.00	1.79	1.52	62.05	-60.53		17.95	9.51	8.44	
93+50.00	94+00.00	1.85	1.57	69.53	-67.95		18.26	9.77	8.49	
94+00.00	94+50.00	1.63	1.38	55.70	-54.32		16.65	7.49	9.16	
94+50.00	95+00.00	1.61	1.37	37.26	-35.89		14.69	4.77	9.92	
95+00.00	95+50.00	1.85	1.58	32.21	-30.63		14.54	4.48	10.07	
95+50.00	96+00.00	1.91	1.63	42.20	-40.58		16.08	6.86	9.23	
96+00.00	96+50.00	2.04	1.73	52.93	-51.20		18.25	10.40	7.85	
96+50.00	97+00.00	2.07	1.76	64.50	-62.75		19.16	12.13	7.03	
97+00.00	97+50.00	2.09	1.78	56.97	-55.19		17.00	10.26	6.74	
97+50.00	98+00.00	2.01	1.71	33.93	-32.22		13.57	7.73	5.84	
98+00.00	98+50.00	2.11	1.79	25.08	-23.29		11.53	7.23	4.29	
98+50.00	99+00.00	2.19	1.87	27.32	-25.45		10.91	7.62	3.29	
99+00.00	99+50.00	2.46	2.09	19.44	-17.34		11.41	6.41	5.01	
99+50.00	100+00.00	1.42	1.21	13.36	-12.15		6.09	2.69	3.40	
100+00.00	100+50.00	1.27	1.08	9.77	-8.69		4.94	2.43	2.52	
100+50.00	101+00.00	2.35	2.00	4.58	-2.58		9.50	4.46	5.04	
101+00.00	101+50.00	2.12	1.80	9.10	-7.30		9.73	4.44	5.29	
101+50.00	102+00.00	1.98	1.69	12.03	-10.35		10.04	4.25	5.78	
102+00.00	102+50.00	1.93	1.64	12.88	-11.24		9.87	3.67	6.20	
102+50.00	103+00.00	6.99	5.94	6.86	-0.92		9.64	2.89	6.76	
103+00.00	103+50.00	6.87	5.84	14.89	-9.04		10.74	3.13	7.61	
103+50.00	104+00.00	1.79	1.52	37.47	-35.95		14.37	6.57	7.81	
104+00.00	104+50.00	2.03	1.72	49.86	-48.14		16.99	8.38	8.61	
104+50.00	105+00.00	1.93	1.64	61.00	-59.35		18.28	8.95	9.33	
105+00.00	105+50.00	1.42	1.21	81.24	-80.02		19.28	10.37	8.90	
105+50.00	106+00.00	1.18	1.01	101.84	-100.83		21.16	13.19	7.97	
106+00.00	106+50.00	1.24	1.05	120.56	-119.51		22.77	15.58	7.18	
106+50.00	107+00.00	1.38	1.17	113.45	-112.28		22.37	15.05	7.32	
107+00.00	107+50.00	1.44	1.23	107.63	-106.40		22.56	15.27	7.28	
107+50.00	108+00.00	1.68	1.43	105.28	-103.85		22.37	14.85	7.52	
108+00.00	108+50.00	1.45	1.23	83.11	-81.88		21.23	13.21	8.02	
108+50.00	109+00.00	1.79	1.52	69.02	-67.50		20.31	12.45	7.86	
109+00.00	109+50.00	3.37	2.86	56.70	-53.84		19.51	12.26	7.24	
109+50.00	110+00.00	4.10	3.49	47.05	-43.57		18.41	11.59	6.82	
110+00.00	110+50.00	3.31	2.81	35.95	-33.13		16.94	10.59	6.36	
110+50.00	111+00.00	2.32	1.97	34.02	-32.05		15.93	10.29	5.64	
111+00.00	111+50.00	2.01	1.71	39.93	-38.22		15.82	11.22	4.60	
111+50.00	112+00.00	1.70	1.45	35.05	-33.61		14.99	11.12	3.87	
112+00.00	112+50.00	1.73	1.47	22.56	-21.09		13.00	9.01	4.00	
112+50.00	113+00.00	0.99	0.84	8.24	-7.39		6.00	3.90	2.10	
TOTAL		98.09	83.38	1944.19	-1860.82	-1860.82	675.28	374.50	300.78	300.78

SHOULDER SCHEDULE LOCATION	AGGREGATE SHOULDERS, TYPE B, 10" 48101620 SQ YD	HOT-MIX ASPHALT SHOULDERS, 4" 48203013 SQ YD
PLAINFIELD-NAPERVILLE ROAD		
STA 90+65.75 TO STA 100+00	364	0
STA 100+00 TO STA 112+50	0	1416
127TH STREET/REAGAN BLVD.		
STA 22+45.17 TO STA 25+57.58	0	0
STA 25+57.58 TO STA 32+52.55	0	0
TOTALS	364	1416

MULTI-USE PATH SCHEDULE LOCATION	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 40604060 TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 40603080 TON	AGGREGATE BASE COURSE, TYPE B 6" 35101800 SQ YD
PLAINFIELD-NAPERVILLE ROAD			
STA 90+65.75 TO STA 100+00	110	111	977
STA 100+00 TO STA 112+50	0	0	0
127TH STREET/REAGAN BLVD.			
STA 22+45.17 TO STA 25+57.58	0	0	0
STA 25+57.58 TO STA 32+52.55	0	0	0
TOTALS	110	111	977

EARTHWORK SUMMARY TABLE

LOCATION	20200100 **EARTH EXCAVATION**	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	20400800 **FURNISHED EXCAVATION**	21101505 **TOPSOIL EXCAVATION AND PLACEMENT**	TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
PRE-STAGE	98.1	83.4	1,944.2	-1,860.8	-1,860.8	675.3	374.5	300.8	300.8
127TH STREET	5,837.9	4,962.2	1,635.5	3,326.6	0.0	798.5	728.7	69.8	7.1
PLAINFIELD-NAPERVILLE ROAD	6,898.3	5,863.6	587.3	5,276.3	0.0	1,202.6	1,265.3	-62.7	1,240.1
TOTAL	12,834.3	10,909.2	4,167.0	6,742.1	-1,860.8	2,676.4	2,368.5	307.9	1,548.0
ROUNDED PAY ITEM TOTALS	12,835				1,865	2,680			1,550

REMOVAL SCHEDULE LOCATION	TREE REMOVAL (6 TO 15 INCHES DIAMETER) 20100110 UNIT	TREE REMOVAL, ACRES 20100500 ACRE	PAVEMENT REMOVAL 44000100 SQ YD	DRIVEWAY PAVEMENT REMOVAL 44000200 SQ YD	SIDEWALK REMOVAL 44000600 SQ FT	GUARDRAIL REMOVAL 63200310 FOOT	REMOVE SIGN PANEL ASSEMBLY - TYPE A 72400100 EACH	REMOVE SIGN PANEL - TYPE 1 72400310 SQ FT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH X4401198 SQ YD
PLAINFIELD-NAPERVILLE ROAD									
STA 90+65.75 TO STA 100+00	0	0	2823	330	4016	0	12	6	0
STA 100+00 TO STA 112+50	0	0	1673	194	0	0	1	0	2181
127TH STREET/REAGAN BLVD.									
STA 22+45.17 TO STA 25+57.58	0	0.25	784	61	0	201	1	0	0
STA 25+57.58 TO STA 32+52.55	30	0	1913	233	0	0	1	0	0
TOTALS	30	0.25	7193	818	4016	201	15	6	2181

PAVEMENT MARKING AND SIGNING SCHEDULE LOCATION	SIGN PANEL - TYPE 1 72000100 SQ FT	OBJECT MARKER - TYPE 1 72500100 EACH	WOOD SIGN SUPPORT 73000100 FOOT	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS 78000100 SQ FT	THERMOPLASTIC PAVEMENT MARKING - LINE 4" 78000200 FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6" 78000400 FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12" 78000600 FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24" 78000650 FOOT	RECESSED REFLECTIVE PAVEMENT MARKER X7810300 EACH
PLAINFIELD-NAPERVILLE ROAD									
STA 90+65.75 TO STA 100+00	29	0	49	119	1917	240	88	96	38
STA 100+00 TO STA 112+50	9	0	14	37	2340	187	601	0	65
127TH STREET/REAGAN BLVD.									
STA 22+45.17 TO STA 25+57.58	10	2	42	120	678	146	0	0	36
STA 25+57.58 TO STA 32+52.55	14	0	21	37	1500	200	0	0	28
TOTALS	62	2	126	313	6435	773	689	96	167

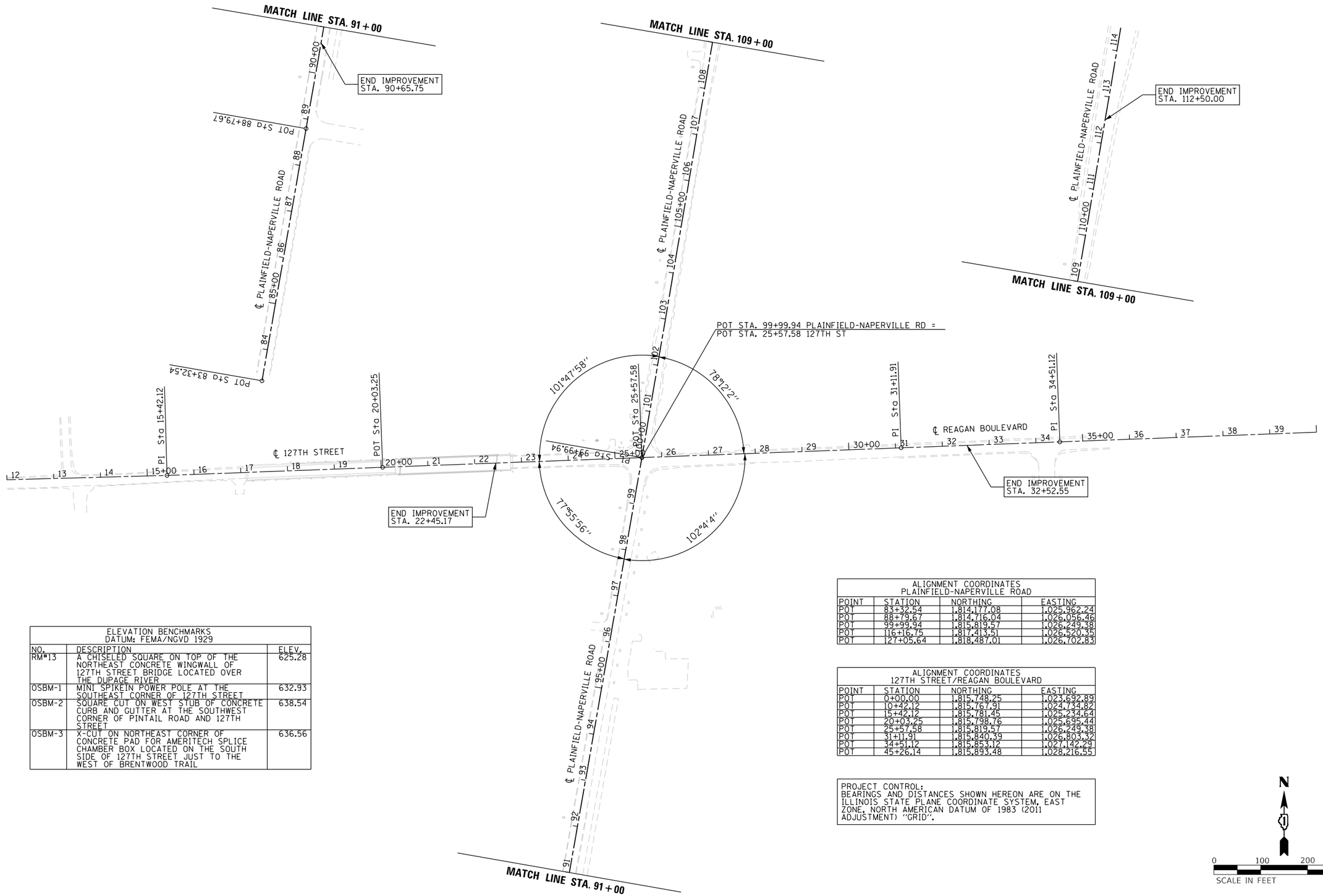
PAVEMENT SCHEDULE LOCATION	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 40604062 TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 8" OR 11.5" 40603085 TON	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE IL-4.75, N50 40603200 TON	AGGREGATE SUBGRADE IMPROVEMENT, 12" 30300112 SQ YD	
PLAINFIELD-NAPERVILLE ROAD					
STA 90+65.75 TO STA 100+00	417	1816		4550	
STA 100+00 TO STA 112+50	615	2379	167	4160	
127TH STREET/REAGAN BLVD.					
STA 22+45.17 TO STA 25+57.58	113	563		1422	
STA 25+57.58 TO STA 32+52.55	369	1605		3734	
TOTALS	1514	6363	167	13866	

CURB AND GUTTER SCHEDULE LOCATION	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 60604400 FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 60605000 FOOT
PLAINFIELD-NAPERVILLE ROAD		
STA 90+65.75 TO STA 100+00	1517	0
STA 100+00 TO STA 112+50	0	358
127TH STREET/REAGAN BLVD.		
STA 22+45.17 TO STA 25+57.58	575	0
STA 25+57.58 TO STA 32+52.55	1220	0
TOTALS	3312	358

MAINTENANCE OF TRAFFIC SCHEDULE LOCATION	PAVEMENT REMOVAL 44000100 SQ YD	SHORT TERM PAVEMENT MARKING REMOVAL 70300150 SQ FT	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE 70307120 FOOT	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE 70307210 FOOT	TEMPORARY CONCRETE BARRIER 70400100 FOOT	RELOCATE TEMPORARY CONCRETE BARRIER 70400200 FOOT	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), TEST LEVEL 2 70600235 EACH	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 70600255 EACH	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 2 70600320 EACH	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 70600322 EACH
PLAINFIELD-NAPERVILLE ROAD										
STA 90+65.75 TO STA 100+00	3459	5525	15113	202	1500	1779	1	6	1	8
STA 100+00 TO STA 112+50	2626	5335	15852	26	1292	2935	1	3	1	6
127TH STREET/REAGAN BLVD.										
STA 22+45.17 TO STA 25+57.58	0	0	0	0	0	0	0	0	0	0
STA 25+57.58 TO STA 32+52.55	0	9	26	0	0	0	0	0	0	0
TOTALS	6085	10869	30991	228	2800	4725	2	9	2	14

MAINTENANCE OF TRAFFIC SCHEDULE (CONTINUED) LOCATION	TEMPORARY PAVEMENT Z0062456 SQ YD	TEMPORARY ACCESS (PRIVATE ENTRANCE) X4021000 EACH	TEMPORARY ACCESS (COMMERCIAL ENTRANCE) X4022000 EACH
PLAINFIELD-NAPERVILLE ROAD			
STA 90+65.75 TO STA 100+00	3459	2	2
STA 100+00 TO STA 112+50	2626	8	0
127TH STREET/REAGAN BLVD.			
STA 22+45.17 TO STA 25+57.58	0	0	0
STA 25+57.58 TO STA 32+52.55	0	0	0
TOTALS	6085	10	2

DRIVEWAY SCHEDULE LOCATION	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 40604060 TON	HOT-MIX ASPHALT BASE COURSE, 6" 35501308 SQ YD	AGGREGATE BASE COURSE, TYPE B 12" 35102400 SQ YD
PLAINFIELD-NAPERVILLE ROAD			
STA 90+65.75 TO STA 100+00	26	236	0
STA 100+00 TO STA 112+50	55	0	389
127TH STREET/REAGAN BLVD.			
STA 22+45.17 TO STA 25+57.58	13	114	0
STA 25+57.58 TO STA 32+52.55	17	150	0
TOTALS	111	500	389



ELEVATION BENCHMARKS DATUM: FEMA/NGVD 1929		
NO.	DESCRIPTION	ELEV.
RM#13	A CHISELED SQUARE ON TOP OF THE NORTHEAST CONCRETE WINGWALL OF 127TH STREET BRIDGE LOCATED OVER THE DUPAGE RIVER	625.28
OSBM-1	MINI SPIKEIN POWER POLE AT THE SOUTHEAST CORNER OF 127TH STREET	632.93
OSBM-2	SQUARE CUT ON WEST STUB OF CONCRETE CURB AND GUTTER AT THE SOUTHWEST CORNER OF PINTAIL ROAD AND 127TH STREET	638.54
OSBM-3	X-CUT ON NORTHEAST CORNER OF CONCRETE PAD FOR AMERITECH SPLICE CHAMBER BOX LOCATED ON THE SOUTH SIDE OF 127TH STREET JUST TO THE WEST OF BRENTWOOD TRAIL	636.56

ALIGNMENT COORDINATES PLAINFIELD-NAPERVILLE ROAD			
POINT	STATION	NORTHING	EASTING
POT	83+32.54	1,814,177.08	1,025,962.24
POT	88+79.67	1,814,716.04	1,026,056.46
POT	99+99.94	1,815,819.57	1,026,249.38
POT	116+16.75	1,817,413.51	1,026,520.35
POT	127+05.64	1,818,487.01	1,026,702.83

ALIGNMENT COORDINATES 127TH STREET/REAGAN BOULEVARD			
POINT	STATION	NORTHING	EASTING
POT	0+00.00	1,815,748.25	1,023,692.89
POT	10+42.12	1,815,767.91	1,024,734.82
POT	15+42.12	1,815,781.45	1,025,234.64
POT	20+03.25	1,815,798.76	1,025,695.44
POT	25+57.58	1,815,819.57	1,026,249.38
POT	31+11.91	1,815,840.39	1,026,803.32
POT	34+51.12	1,815,853.12	1,027,142.29
POT	45+26.14	1,815,893.48	1,028,216.55

PROJECT CONTROL:
BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

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SCALE IN FEET

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	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

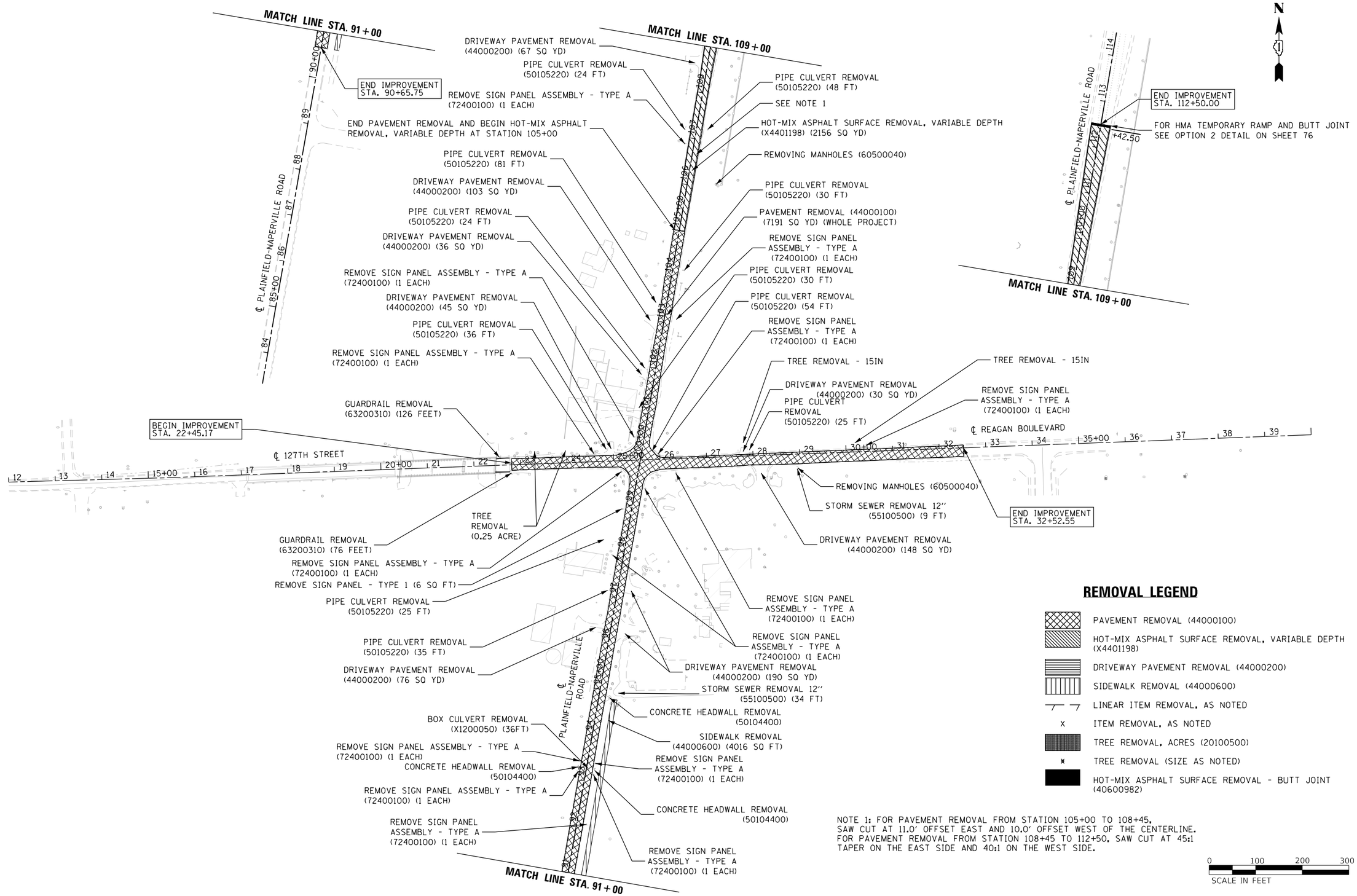
PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
ALIGNMENT, TIES, & BENCHMARKS

SCALE: 1"=100' | SHEET NO.1 OF1 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	21

CONTRACT NO. 61J25

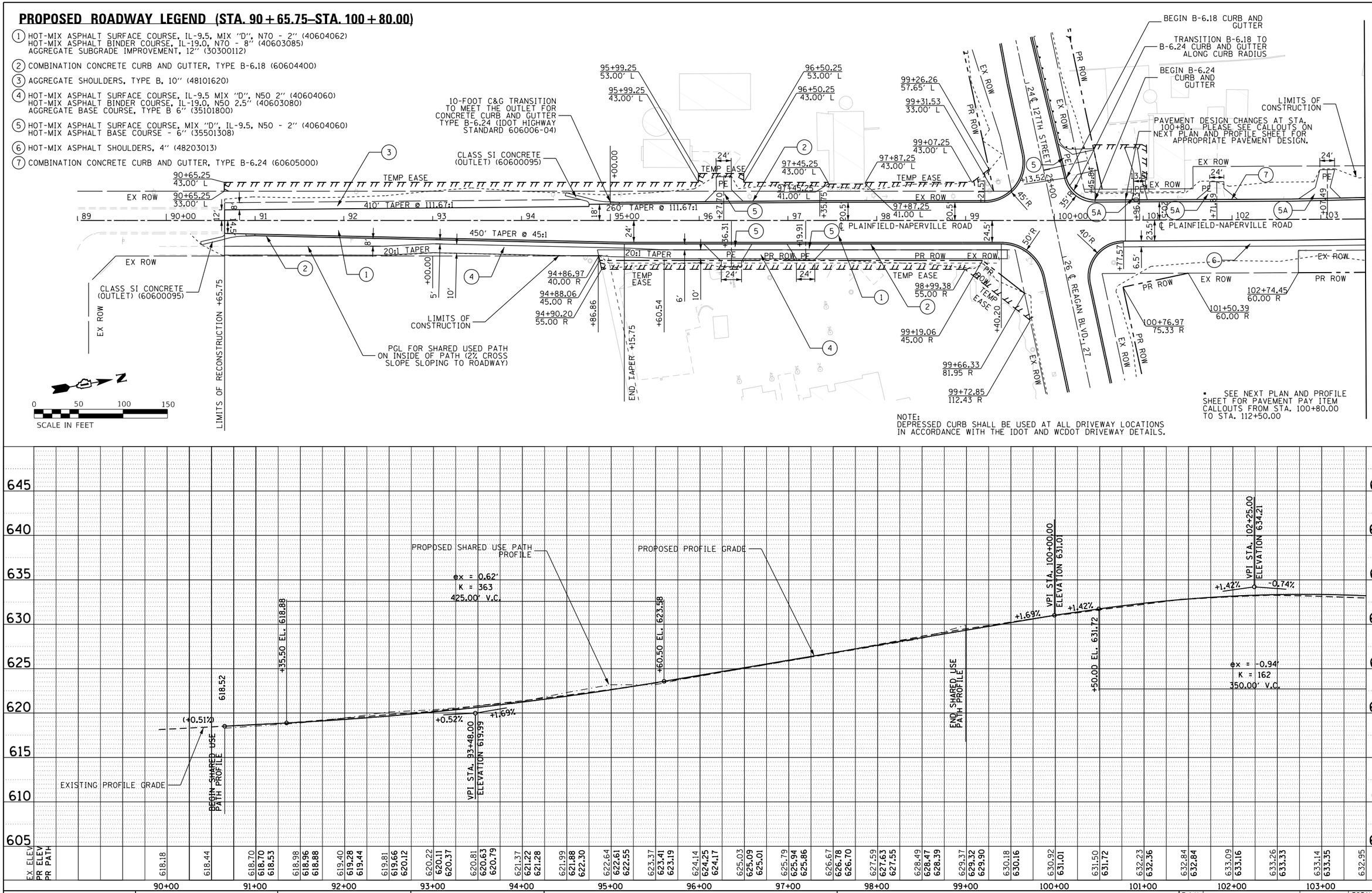
ILLINOIS FED. AID PROJECT



FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD REMOVAL PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	22
	PLOT SCALE = 200.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=100' SHEET NO.1 OF1 SHEETS STA. N/A TO STA. N/A		ILLINOIS FED. AID PROJECT			

PROPOSED ROADWAY LEGEND (STA. 90 + 65.75–STA. 100 + 80.00)

1. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 - 2" (40604062)
   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 8" (40603085)
   AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
2. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (60604400)
3. AGGREGATE SHOULDERS, TYPE B, 10" (48101620)
4. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N50 2" (40604060)
   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 2.5" (40603080)
   AGGREGATE BASE COURSE, TYPE B 6" (35101800)
5. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50 - 2" (40604060)
   HOT-MIX ASPHALT BASE COURSE - 6" (35501308)
6. HOT-MIX ASPHALT SHOULDERS, 4" (48203013)
7. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)



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	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
PLAN AND PROFILE – PLAINFIELD–NAPERVILLE ROAD

SCALE: 1"=50' | SHEET NO.1 OF3 SHEETS | STA. 89+00 TO STA. 103+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	23

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT

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

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / BLDG. NOTED / STRUCTURE NOTAT'NS CHKD / NOTE BOOK NO. / BY / DATE

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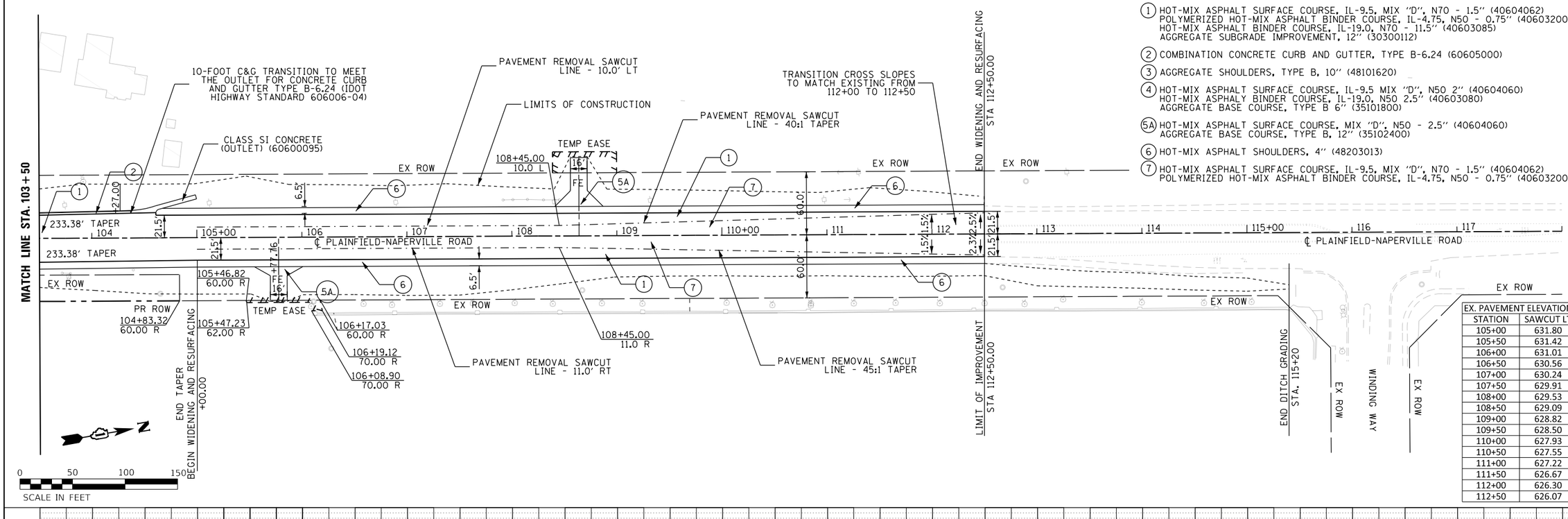
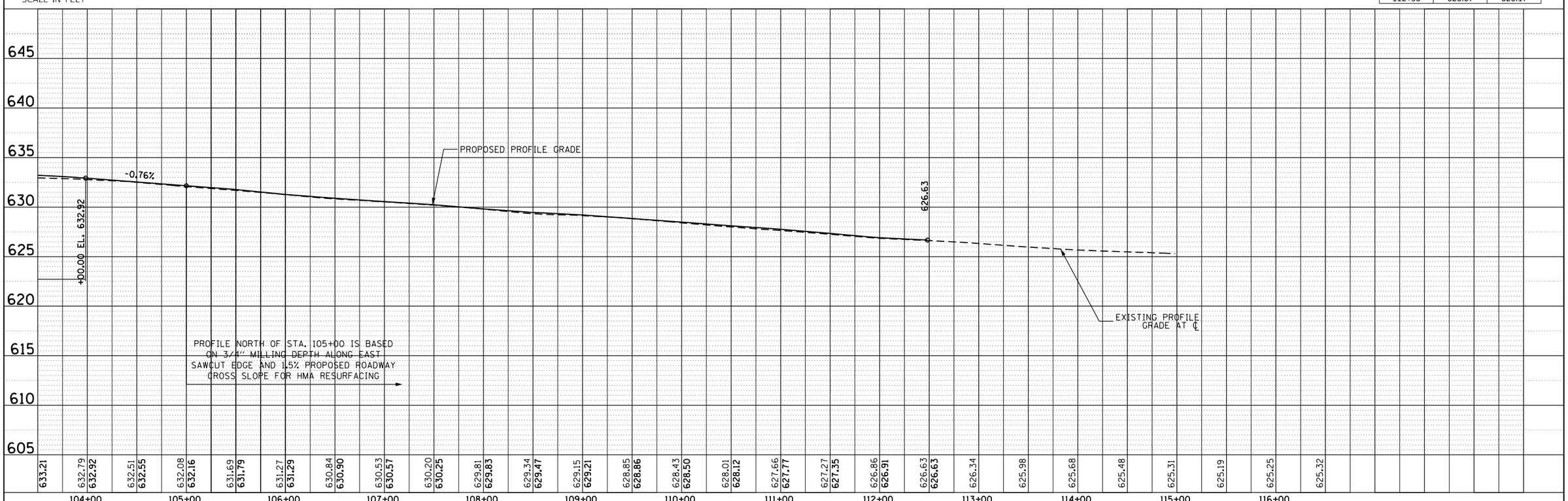
PROPOSED ROADWAY LEGEND (STA. 100+80.00 TO STA 112+50.00)

1. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 - 1.5" (40604062)
   POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 0.75" (40603200)
   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 11.5" (40603085)
   AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
2. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
3. AGGREGATE SHOULDERS, TYPE B, 10" (48101620)
4. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N50 2" (40604060)
   HOT-MIX ASPHALY BINDER COURSE, IL-19.0, N50 2.5" (40603080)
   AGGREGATE BASE COURSE, TYPE B 6" (35101800)
5A. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2.5" (40604060)
   AGGREGATE BASE COURSE, TYPE B, 12" (35102400)
6. HOT-MIX ASPHALT SHOULDERS, 4" (48203013)
7. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 - 1.5" (40604062)
   POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 0.75" (40603200)



EX. PAVEMENT ELEVATIONS AT SAWCUTS		
STATION	SAWCUT LT	SAWCUT RT
105+00	631.80	631.87
105+50	631.42	631.50
106+00	631.01	631.00
106+50	630.56	630.61
107+00	630.24	630.28
107+50	629.91	629.96
108+00	629.53	629.54
108+50	629.09	629.18
109+00	628.82	628.90
109+50	628.50	628.53
110+00	627.93	628.16
110+50	627.55	627.76
111+00	627.22	627.40
111+50	626.67	626.96
112+00	626.30	626.50
112+50	626.07	626.17



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VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
PLAN & PROFILE – PLAINFIELD–NAPERVILLE ROAD

SCALE: 1"=50' | SHEET NO.2 OF3 SHEETS | STA. 103+50 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	24

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT

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

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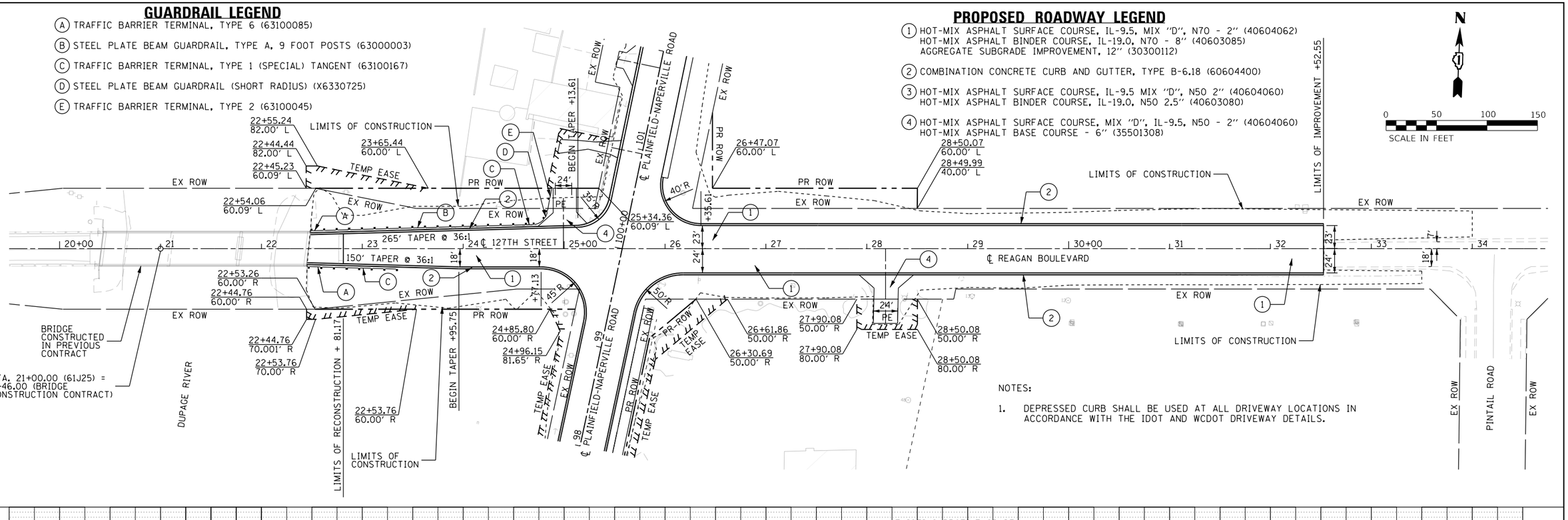
GUARDRAIL LEGEND

- (A) TRAFFIC BARRIER TERMINAL, TYPE 6 (63100085)
- (B) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (63000003)
- (C) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (63100167)
- (D) STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS) (X6330725)
- (E) TRAFFIC BARRIER TERMINAL, TYPE 2 (63100045)

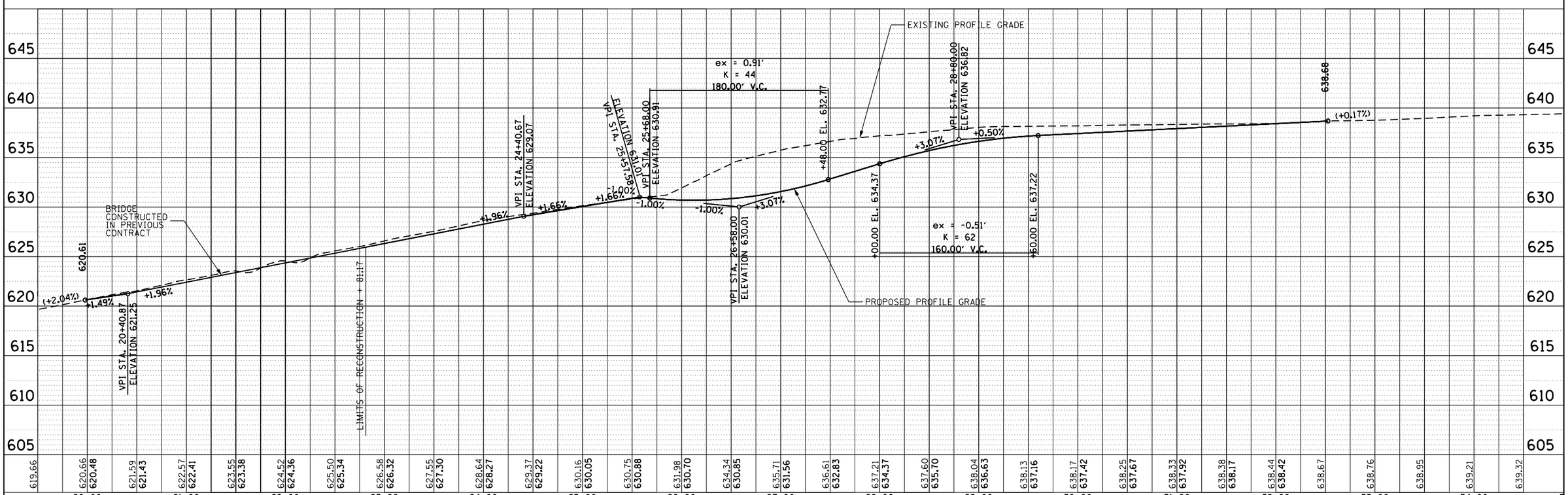
PROPOSED ROADWAY LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 - 2" (40604062)
   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 8" (40603085)
   AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
2. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (60604400)
3. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N50 2" (40604060)
   HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 2.5" (40603080)
4. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50 - 2" (40604060)
   HOT-MIX ASPHALT BASE COURSE - 6" (35501308)



NOTES:

1. DEPRESSED CURB SHALL BE USED AT ALL DRIVEWAY LOCATIONS IN ACCORDANCE WITH THE IDOT AND WCDOT DRIVEWAY DETAILS.



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BY	DATE

PROFILE	
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GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTAT'NS CHKD	
NOTE BOOK NO.	
BY	DATE

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VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
PLAN & PROFILE – 127TH STREET

SCALE: 1"=50' | SHEET NO.3 OF3 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	25

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE AND FIELD ENTRANCES DURING CONSTRUCTION.

2. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE IDOT'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022. THE DETAILS IN THESE PLANS, AND THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS AND OTHER TRAFFIC CONTROL DEVICES INSTALLED BY THE CONTRACTOR ARE IN PLACE AND OPERATING 24 HOURS EACH DAY DURING CONSTRUCTION.

5. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS MUST OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.

6. 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 AT ALL APPROACHES OPEN TO TRAFFIC.

7. THE VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS SHALL BE NOTIFIED A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE OF ANY CONSTRUCTION WITHIN THE VILLAGE RIGHT-OF-WAY.

8. EXCAVATION AND PAVEMENT WIDENING ON BOTH SIDES OF THE PAVEMENT AT ANY ONE LOCATION AT THE SAME TIME WILL NOT BE PERMITTED PER ARTICLE 701.18 OF THE IDOT SPECIFICATIONS.

9. ALL SIGNS SHALL BE IN ACCORDNACE WITH MUTCD.

10. W21-1(O)-48 SIGNS TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

11. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

12. DRUMS ALONG MAJOR COLLECTORS SHALL BE PLACED AS FOLLOWS
    50' C-C ALONG TANGENTS
    20' ALONG TAPERS
    10' ALONG RADII/CURVES

13. ALL SIGNS MUST BE POST MOUNTED, IN THE GROUND WHEREVER POSSIBLE, AND WITH A 7' CLEARANCE WHICH IS MEAUSRED FROM THE TOP OF PAVEMENT TO THE BOTTOM OF THE SIGN. SIGNS THAT WILL FREQUENTLY BE TAKEN DOWN (SUCH AS THE SYMBOLIC WORKER OR SYMBOLIC FLAGGER SIGNS) SHOULD NOT BE POST MOUNTED.

14. INSTALL ALL CHANGEABLE MESSAGE SIGNS INFORMING THE PUBLIC OF THE DETOUR, AT LEAST 2 WEEKS PRIOR TO THE ROADWAY CLOSURE.

SUGGESTED STAGING

PRESTAGE

CONSTRUCT TEMPORARY PAVEMENT ALONG THE WEST SIDE OF PLAINFIELD-NAPERVILLE ROAD PRIOR TO STAGE 1 TO ACCOMMODATE THE TWO-WAY TRAFFIC NEEDED DURING STAGES 1 AND 2 USING IDOT STANDARDS.

STAGE 1A

SHIFT TRAFFIC TO THE WEST SIDE OF PLAINFIELD-NAPERVILLE ROAD AND UTILIZE TEMPORARY PAVEMENT CONSTRUCTED IN PRESTAGE.

DETOUR TRAFFIC ALONG 127TH STREET EAST OF PLAINFIELD-NAPERVILLE ROAD USING DETOUR ROUTE STAGE 1A PLAN.

CONSTRUCT REAGAN BLVD. EAST OF PLAINFIELD-NAPERVILLE ROAD.

CONSTRUCT EAST SIDE OF PLAINFIELD-NAPERVILLE ROAD FOR LENGTH OF PROJECT ALONG THE CENTERLINE OF THE ROADWAY, EXCEPT AS NOTED IN MAINTENANCE OF TRAFFIC PLANS.

CONSTRUCT PORTIONS OF STORM SEWER AND CULVERT CROSSINGS UNDER TEMPORARY PAVEMENT AND UNDER A PORTION OF THE SB PLAINFIELD-NAPERVILLE LANE USING 2L,2W CLOSURES. SEE EROSION AND SEDIMENT CONTROL PLANS FOR LOCATIONS.

STAGE 1B

SHIFT TRAFFIC TO OUTER EXTENTS OF PLAINFIELD-NAPERVILLE ROAD AND UTILIZE TEMPORARY PAVEMENT CONSTRUCTED IN PRESTAGE AND STAGE 1.

CONSTRUCT CENTER PORTION OF PLAINFIELD-NAPERVILLE ROAD AS NOTED ON THE MAINTENANCE OF TRAFFIC PLANS.

STAGE 2A

SHIFT TRAFFIC TO THE EAST SIDE OF PLAINFIELD-NAPERVILLE ROAD, UTILIZING THE PERMANENT ROADWAY AS WELL AS TEMPORARY PAVEMENT/SHOULDER AS NOTED.

CONSTRUCT THE WEST SIDE OF PLAINFIELD-NAPERVILLE ROAD AT THE CENTERLINE FOR THE DURATION OF THE PROJECT.

DETOUR TRAFFIC ALONG REAGAN BOULEVARD WEST OF PLAINFIELD-NAPERVILLE ROAD USING DETOUR ROUTE STAGE 2A PLAN.

STAGE 2B

REMOVE TEMPORARY PAVEMENT AND CONSTRUCT CURB AND GUTTER ALONG THE EAST SIDE OF PLAINFIELD-NAPERVILLE ROAD, AS NOTED ON THE MAINTENANCE OF TRAFFIC PLANS.

SHIFT TRAFFIC ALONG PLAINFIELD-NAPERVILLE ROAD AS NOTED ON THE MAINTENANCE OF TRAFFIC PLANS.

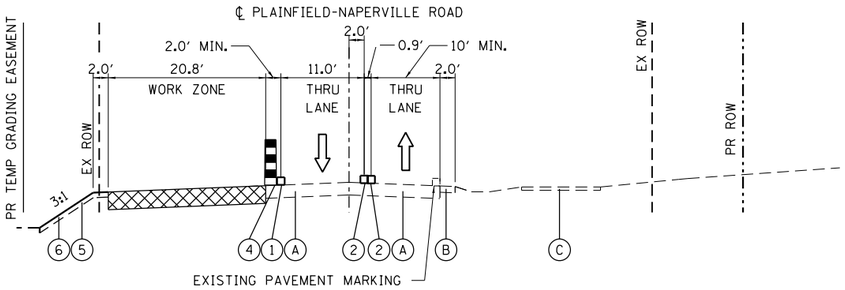
CONTRACTOR TO CONSTRUCT THE INTERSECTION PORTION OF THE WORK IN SECTIONS IN ORDER TO ALLOW TRAFFIC TO BE MOVING IN TWO DIRECTIONS AT ALL TIMES.

MAINTENANCE OF TRAFFIC LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT, SPACED @ 50' C-C Tangents; 20' C-C Tapers; 10' C-C Along Radii/Curves
- DRUM, SPACED @ 50' C-C Tangents; 20' C-C Tapers; 10' C-C Along Radii/Curves
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT, SPACED @ 50' C-C
- TYPE II BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT, SPACED @ 50' C-C
- VERTICAL PANEL, SPACED AT 50'
- VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT, SPACED @ 50' C-C
- TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC (FOR VEHICULAR TRAFFIC)
- CHANGEABLE MESSAGE SIGN
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), TEST LEVEL 2
- STAGING SIGN
- EXISTING SIGN
- IMPACT ATTENUATORS, TEMPORARY (FULLY-REDIRECTIVE, NARROW), TEST LEVEL 2
- TA (PE) TEMPORARY ACCESS (PRIVATE ENTRANCE)
- TA (CE) TEMPORARY ACCESS (COMMERCIAL ENTRANCE)
- TA (ROAD) TEMPORARY ACCESS (ROAD)
- TA (FE) TEMPORARY ACCESS (FIELD ENTRANCE)
- AGGREGATE FOR TEMPORARY ACCESS

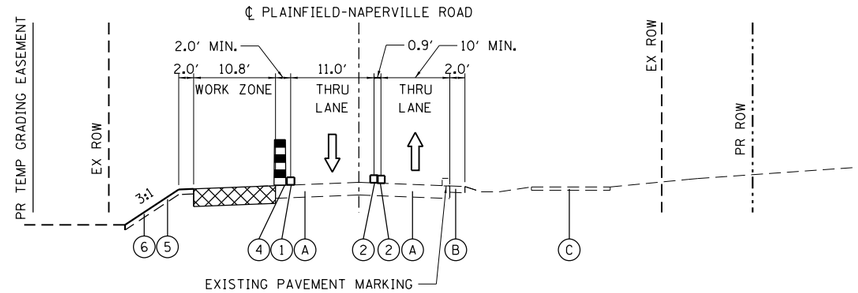
TEMPORARY PAVEMENT MARKING LEGEND

1. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE - WHITE EDGE LINE
2. TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE - YELLOW EDGE LINE
3. TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE - WHITE DOTTED LINE, 2' LINE, 6' SPACE
4. TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE - WHITE SOLID LINE
5. TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE - WHITE STOP LINE
6. TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE - WHITE



PRESTAGE TYPICAL SECTION

PLAINFIELD-NAPERVILLE ROAD
STA. 90+65.75 TO STA. 96+72.45
STA. 104+19.98 TO STA. 112+50.00



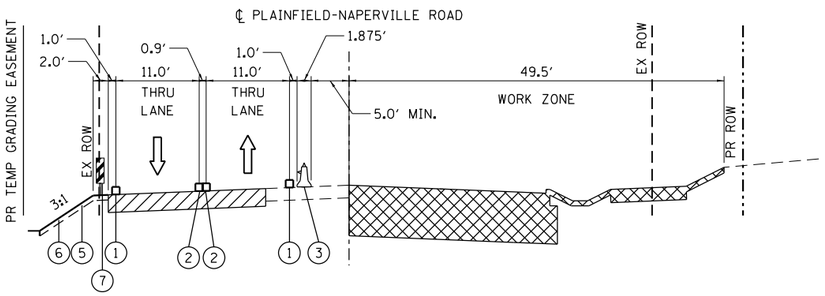
PRESTAGE TYPICAL SECTION

PLAINFIELD-NAPERVILLE ROAD
STA. 96+72.45 TO STA. 104+19.98

MOT TYPICAL SECTION LEGEND

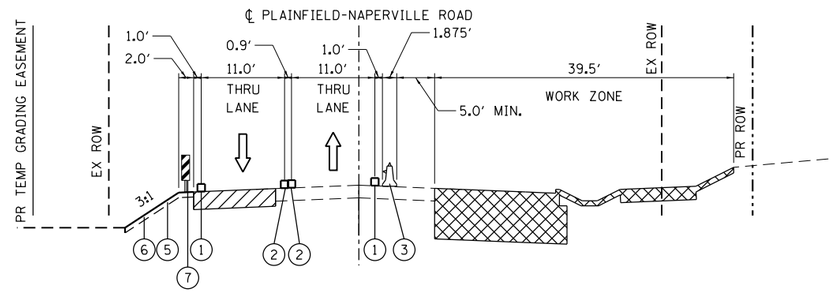
- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- (1) TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4″ (SOLID WHITE)
- (2) TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4″ (SOLID YELLOW)
- (3) TEMPORARY CONCRETE BARRIER WITH TYPE C CRYSTAL REFLECTORS
- (4) DRUM, OR BARRICADE
- (5) TOPSOIL EXCAVATION AND PLACEMENT
- (6) TEMPORARY EROSION CONTROL SEEDING
- (7) VERTICAL PANEL
- (A) EXISTING HMA PAVEMENT
- (B) EXISTING AGGREGATE SHOULDER
- (C) EXISTING HMA SIDEWALK

1. FOR TEMPORARY PAVEMENT CROSS SLOPE, MATCH EXISTING PAVEMENT CROSS SLOPE. TEMPORARY PAVEMENT SHALL HAVE A 1.5% MINIMUM CROSS SLOPE.
2. 2′ MIN. FROM DRUM WITH STEADY BURNING LIGHT TO TEMPORARY PAVEMENT EDGE PER IDOT HIGHWAY STANDARD 701006-05.
3. TEMPORARY CONCRETE BARRIER IS PINNED IN STAGE 1 AND UNPINNED IN STAGE 2 FOR ALL ROADWAYS. PER IDOT SAFETY AND POLICY MEMORANDUM, 5′ BUFFER NEEDED FOR PINNED TEMPORARY CONCRETE BARRIER FROM WORK ZONE AND 2′ BUFFER NEEDED FOR UNPINNED TEMPORARY CONCRETE BARRIER FROM WORK ZONE. BUFFERS ARE MEASURED FROM EDGE OF TCB TO EDGE OF WORK ZONE LIMIT.



STAGE 1A TYPICAL SECTION

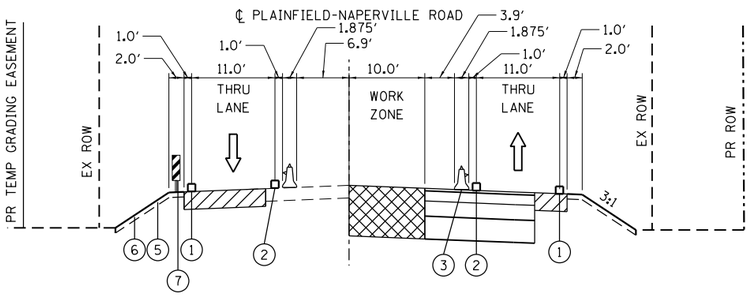
PLAINFIELD-NAPERVILLE ROAD
STA. 90+65.75 TO STA. 96+72.45
STA. 104+19.98 TO STA. 112+50.00



STAGE 1A TYPICAL SECTION

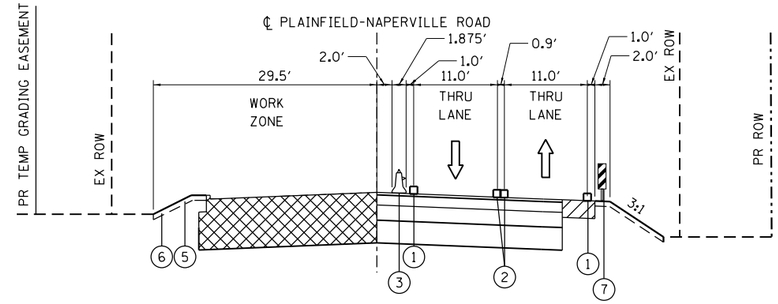
PLAINFIELD-NAPERVILLE ROAD
STA. 96+72.45 TO STA. 104+19.98

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD MAINTENANCE OF TRAFFIC – TYPICAL SECTIONS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	27
	PLOT SCALE = 20.0000 ′ / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: N/A SHEET NO.2 OF15 SHEETS STA. N/A TO STA. N/A		ILLINOIS FED. AID PROJECT			



STAGE 1B TYPICAL SECTION

PLAINFIELD-NAPERVILLE ROAD
STA. 96+72.45 TO STA. 104+19.98

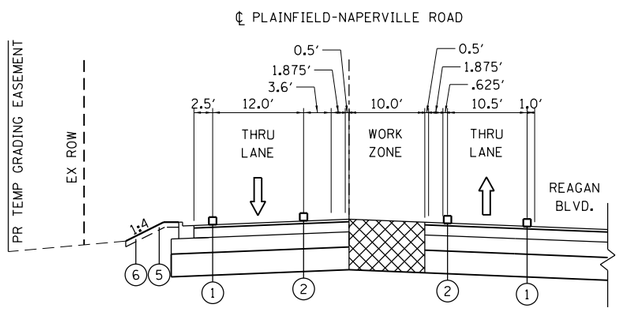


STAGE 2A TYPICAL SECTION

PLAINFIELD-NAPERVILLE ROAD
STA. 90+65.75 TO STA. 112+50.00

MOT TYPICAL SECTION LEGEND

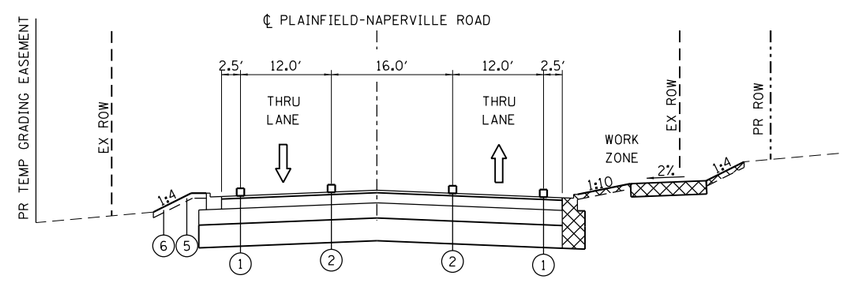
- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- (1) TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID WHITE)
- (2) TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (SOLID YELLOW)
- (3) TEMPORARY CONCRETE BARRIER WITH TYPE C CRYSTAL REFLECTORS
- (4) DRUM, OR BARRICADE
- (5) TOPSOIL EXCAVATION AND PLACEMENT
- (6) TEMPORARY EROSION CONTROL SEEDING
- (7) VERTICAL PANEL
- (A) EXISTING HMA PAVEMENT
- (B) EXISTING AGGREGATE SHOULDER
- (C) EXISTING HMA SIDEWALK



STAGE 2B TYPICAL SECTION

PLAINFIELD-NAPERVILLE ROAD
STA. 99+50.36 TO STA. 100+52.62

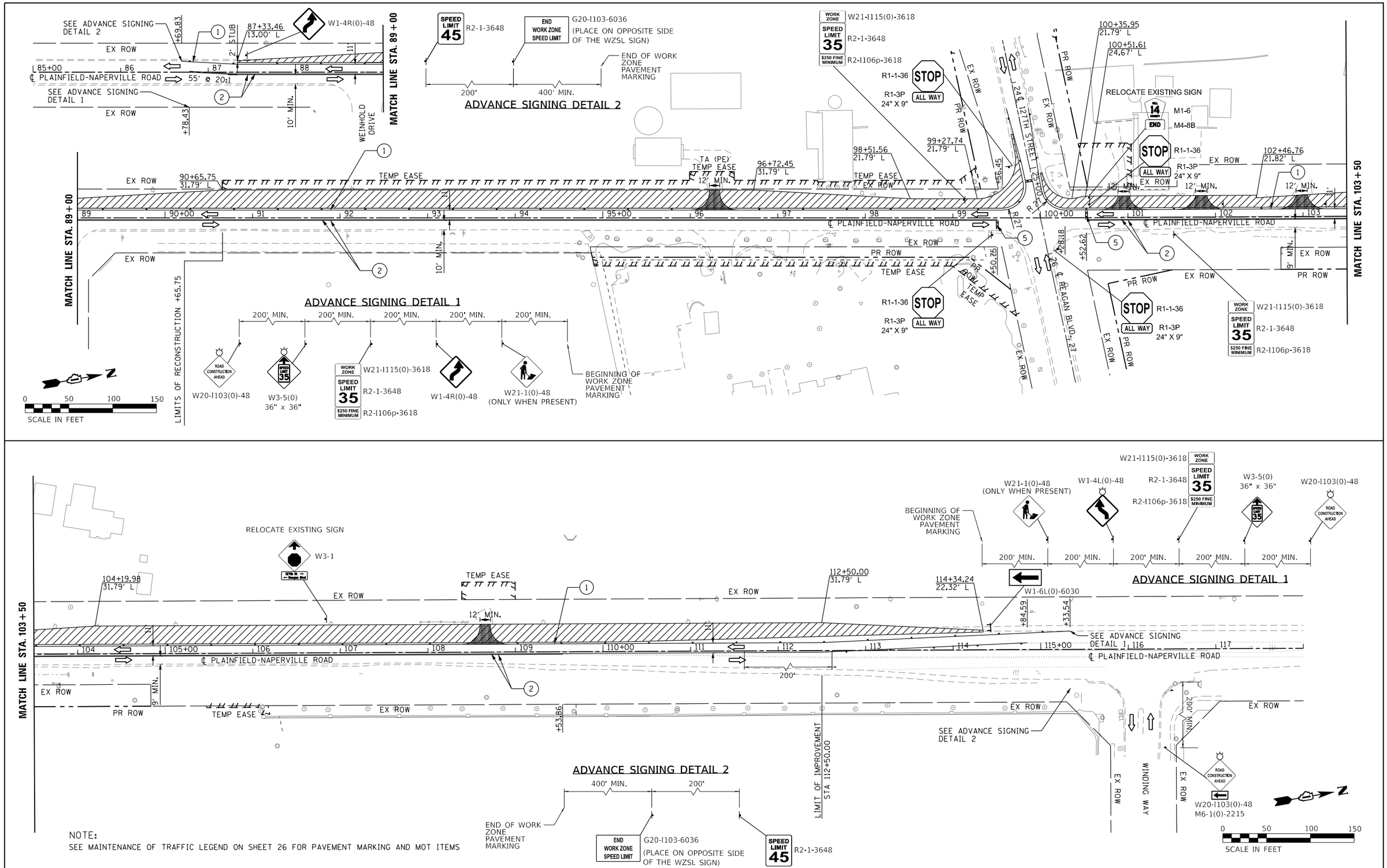
CONTRACTOR TO STAGE CONSTRUCT WORK AREA IN CENTER OF INTERSECTION, TO PROVIDE ACCESS FOR ALL FOUR LEGS OF THE INTERSECTION.



STAGE 2B TYPICAL SECTION

PLAINFIELD-NAPERVILLE ROAD
STA. 96+72.45 TO STA. 99.3833+19.98

1. FOR TEMPORARY PAVEMENT CROSS SLOPE, MATCH EXISTING PAVEMENT CROSS SLOPE. TEMPORARY PAVEMENT SHALL HAVE A 1.5% MINIMUM CROSS SLOPE.
2. 2′ MIN. FROM DRUM WITH STEADY BURNING LIGHT TO TEMPORARY PAVEMENT EDGE PER IDOT HIGHWAY STANDARD 701006-05.
3. TEMPORARY CONCRETE BARRIER IS PINNED IN STAGE 1 AND UNPINNED IN STAGE 2 FOR ALL ROADWAYS. PER IDOT SAFETY AND POLICY MEMORANDUM, 5′ BUFFER NEEDED FOR PINNED TEMPORARY CONCRETE BARRIER FROM WORK ZONE AND 2′ BUFFER NEEDED FOR UNPINNED TEMPORARY CONCRETE BARRIER FROM WORK ZONE. BUFFERS ARE MEASURED FROM EDGE OF TCB TO EDGE OF WORK ZONE LIMIT.



NOTE:
SEE MAINTENANCE OF TRAFFIC LEGEND ON SHEET 26 FOR PAVEMENT MARKING AND MOT ITEMS

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 11/22/2024	DATE - 11/22/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

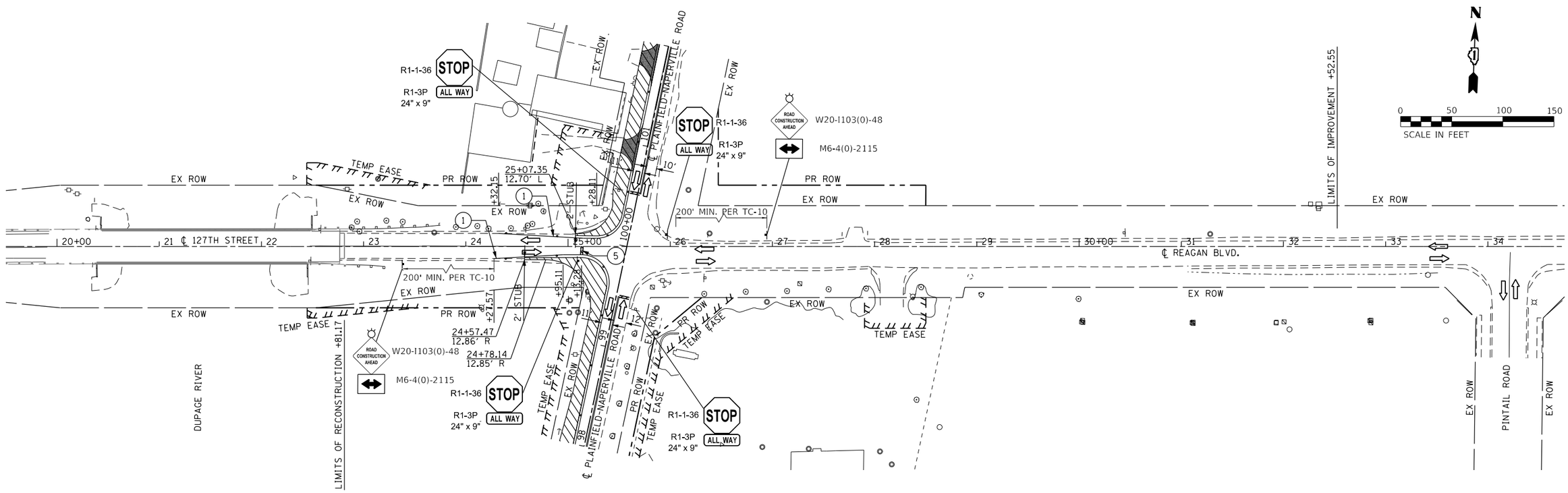
PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
MAINTENANCE OF TRAFFIC – PRESTAGE

SCALE: 1"=50' | SHEET NO.4 OF15 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	29

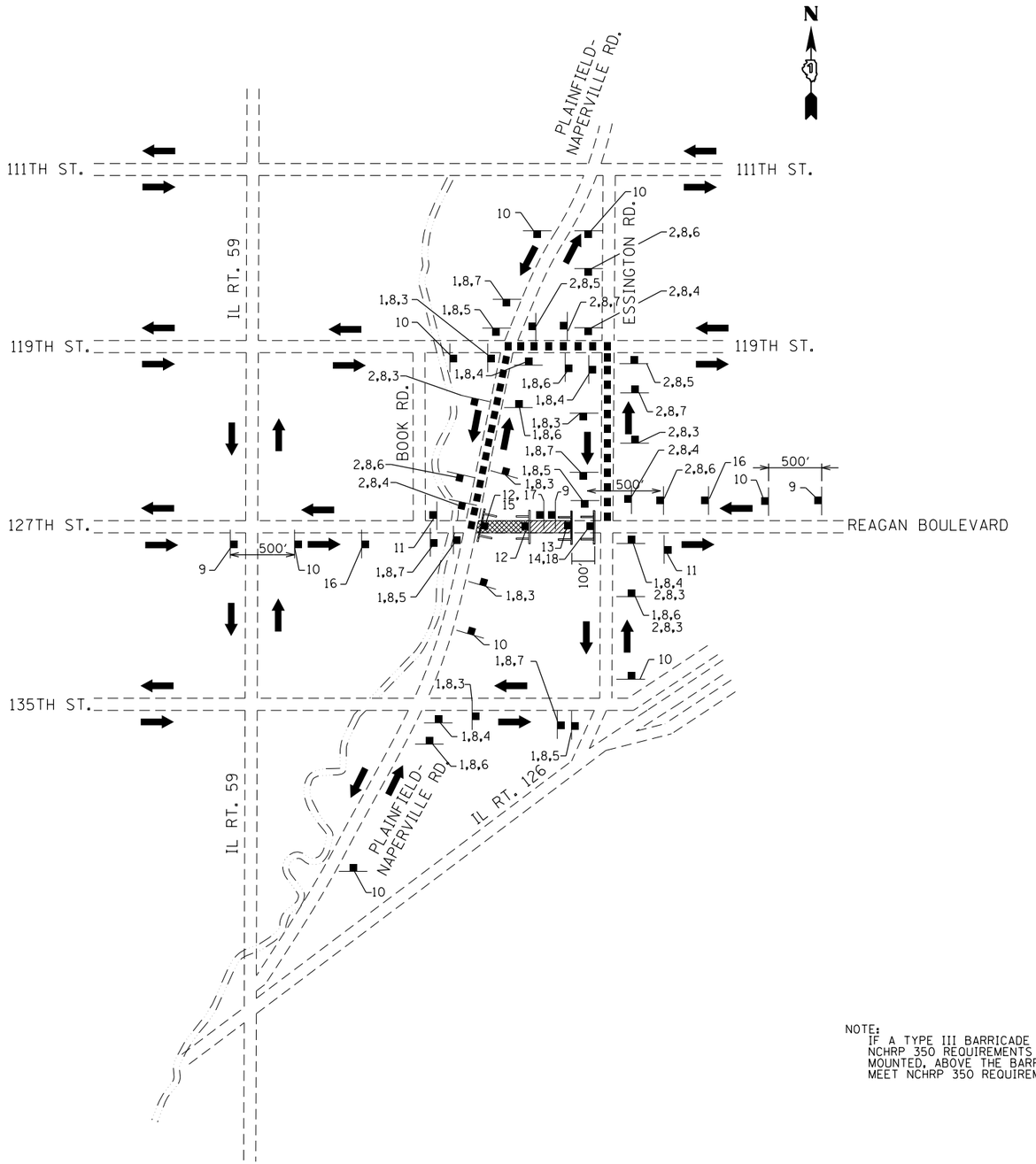
CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT



NOTE:
SEE MAINTENANCE OF TRAFFIC LEGEND ON SHEET 26 FOR PAVEMENT MARKING AND MOT ITEMS

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD MAINTENANCE OF TRAFFIC – PRESTAGE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	30
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 11/22/2024	DATE - 11/22/2024	REVISED -		SCALE: 1"=50' SHEET NO.5 OF15 SHEETS STA. N/A TO STA. N/A		ILLINOIS FED. AID PROJECT			



SIGN NO.	SIGN
1	EAST M3-2(0) 24'' x 12''
2	WEST M3-4(0) 24'' x 12''
3	DETOUR M4-9 30'' x 24''
4	DETOUR M4-9R 30'' x 24''
5	DETOUR M4-9L 30'' x 24''
6	DETOUR M4-9Ra 30'' x 24''
7	DETOUR M4-9La 30'' x 24''
8	127th Street SPECIAL 24''X18'' 6'' BLACK LETTERS ON ORANGE REFLECIVE BACKGROUND
9	ROAD CLOSED AHEAD W20-3 48'' x 48''

SIGN NO.	SIGN
10	DETOUR AHEAD W20-2 48'' x 48''
11	END DETOUR M4-8a 24'' x 18''
12	ROAD CLOSED R11-2 48'' x 30''
13	ROAD CLOSED TO THRU TRAFFIC R11-4 60'' x 30''
14	DETOUR M4-10R 48'' x 18''
15	DETOUR M4-10L 48'' x 18''
16	ROAD CLOSED 500FT W20-3 48'' x 48''
17	ROAD CLOSED 500FT W20-3 48'' x 48''
18	ROAD CLOSED 0.6 MILE AHEAD LOCAL TRAFFIC ONLY R11-3A 60'' x 30''
19	ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY R11-3A 60'' x 30''

NOTE:
IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPERATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

DETOUR LEGEND

- COMPLETELY CLOSED
- PARTIALLY CLOSED
- 10 SIGN NUMBER
- CONSTRUCTION SIGNS
- TYPE III BARRICADES WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- DETOUR ROUTE
- TRAFFIC BARRICADE FLASHING LIGHT

FILE NAME =	USER NAME = GGIFFORD	DESIGNED - JS	REVISED -
		DRAWN - JS	REVISED -
	PLOT SCALE = 4000.0000 ' / in.	CHECKED - DS	REVISED -
	PLOT DATE = 11/22/2024	DATE - 11/22/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

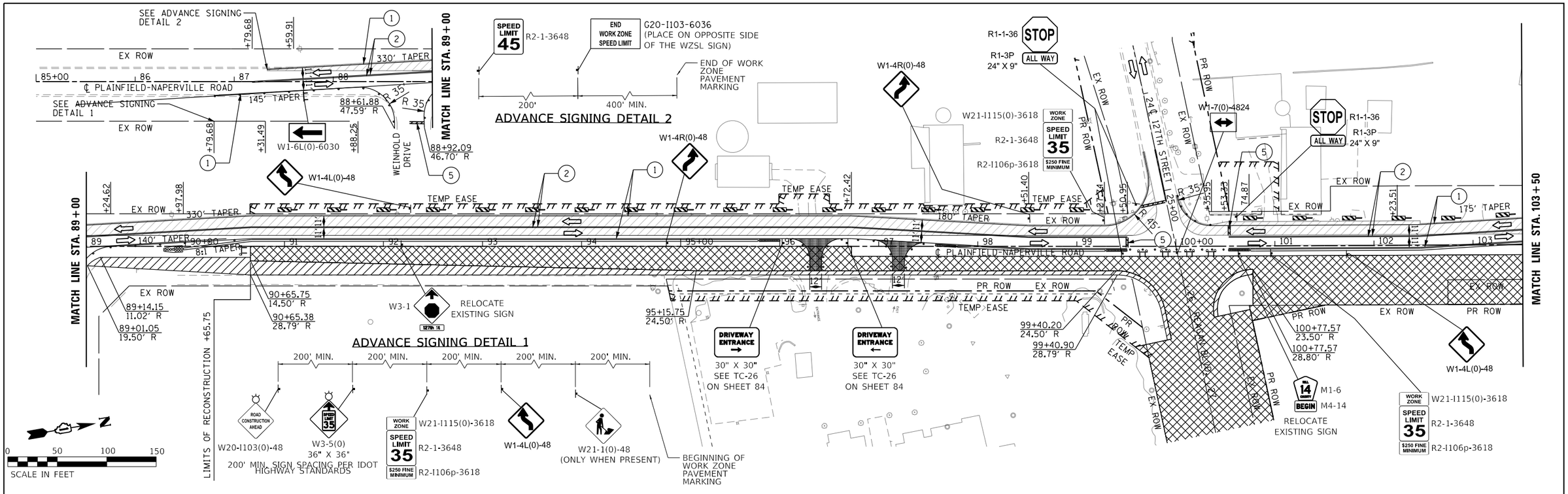
PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
DETOUR – STAGE 1A

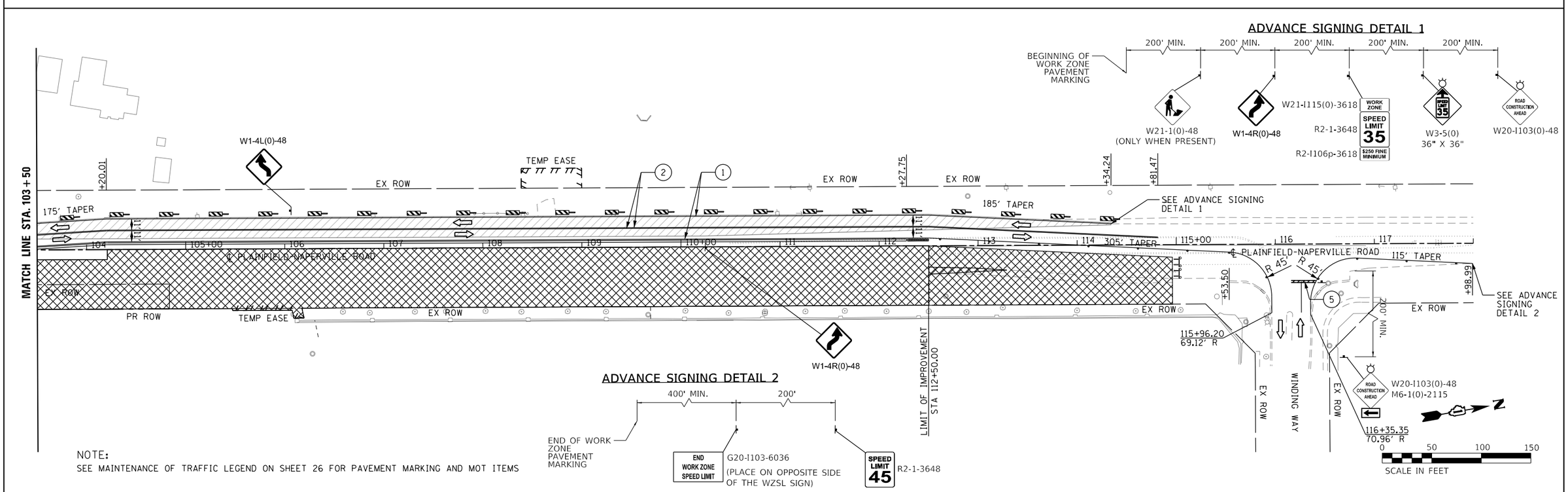
SCALE: NTS | SHEET NO.6 OF15 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	31

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT





NOTE:
SEE MAINTENANCE OF TRAFFIC LEGEND ON SHEET 26 FOR PAVEMENT MARKING AND MOT ITEMS

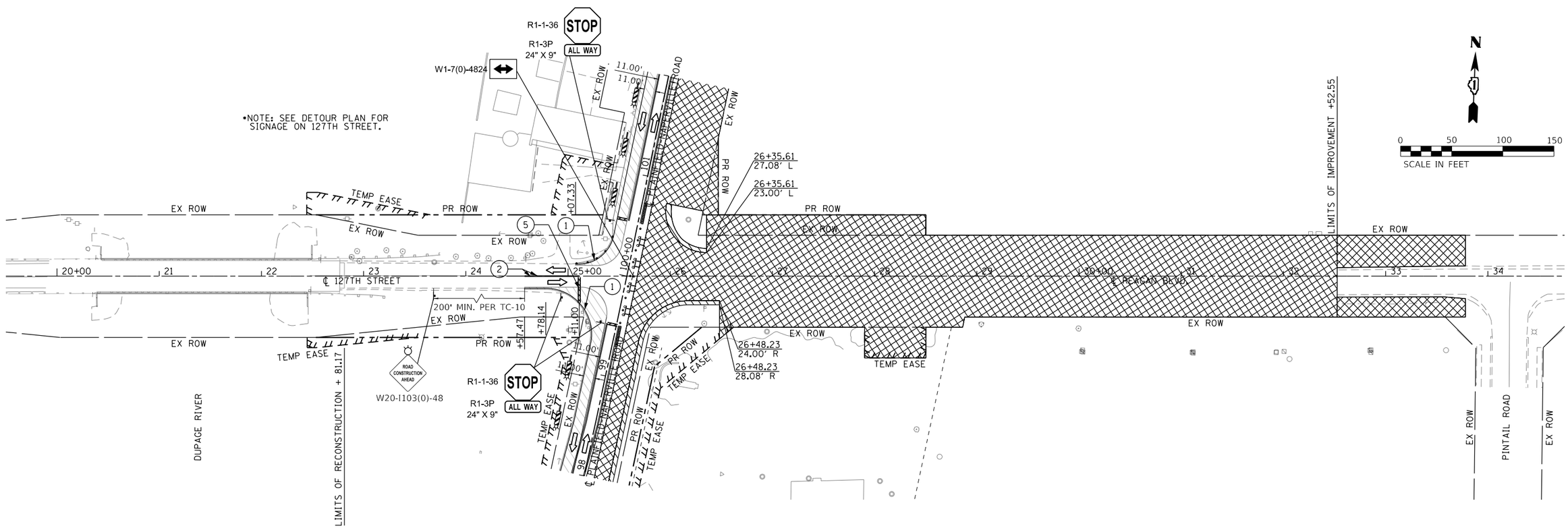
FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 11/22/2024	DATE - 11/22/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
MAINTENANCE OF TRAFFIC - STAGE 1A

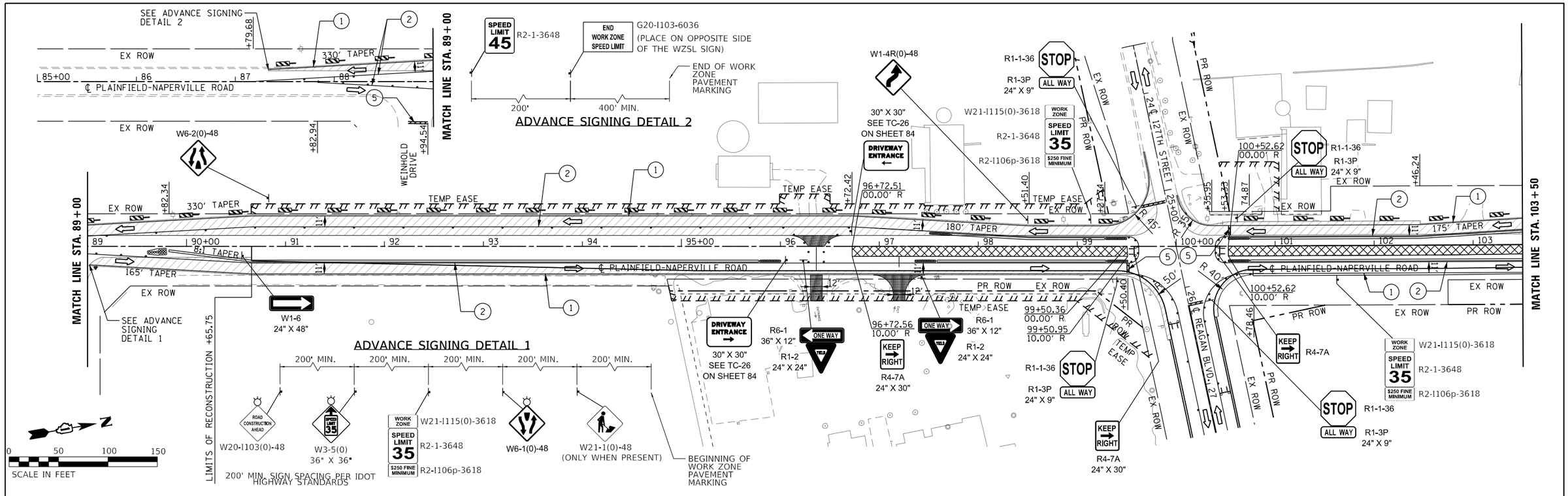
SCALE: 1"=50' | SHEET NO.7 OF15 SHEETS | STA. N/A TO STA. N/A

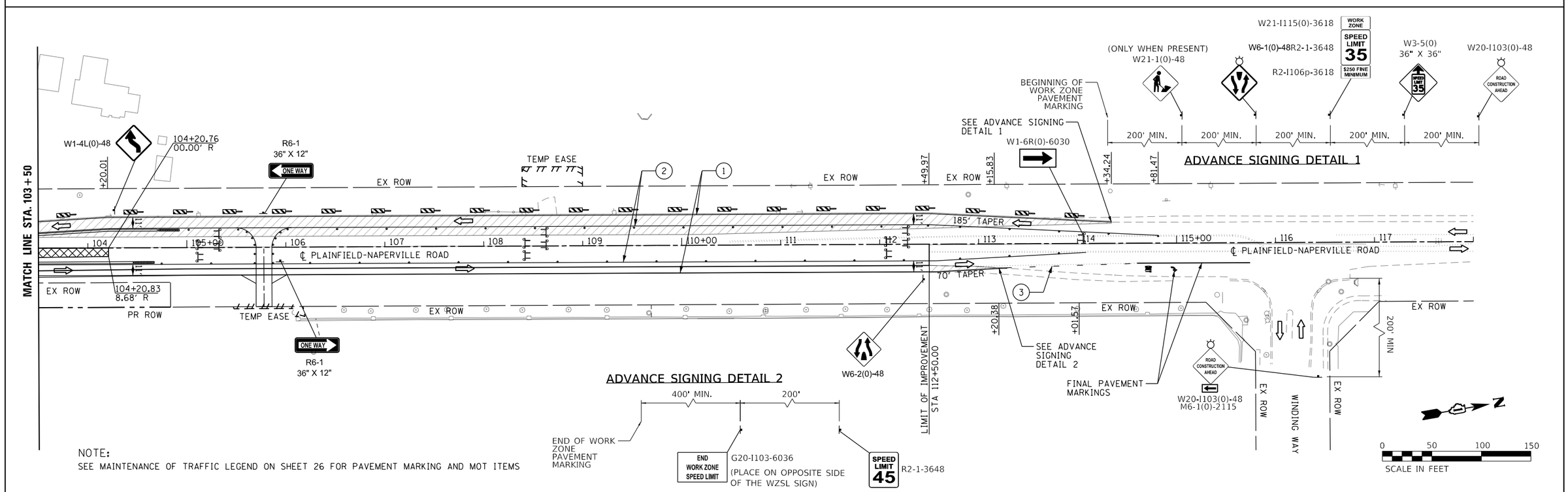
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	32
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		



NOTE:
SEE MAINTENANCE OF TRAFFIC LEGEND ON SHEET 26 FOR PAVEMENT MARKING AND MOT ITEMS

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD MAINTENANCE OF TRAFFIC – STAGE 1A	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	33
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 11/22/2024	DATE - 11/22/2024	REVISED -		SCALE: 1"=50' SHEET NO.8 OF15 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT		





NOTE:
SEE MAINTENANCE OF TRAFFIC LEGEND ON SHEET 26 FOR PAVEMENT MARKING AND MOT ITEMS

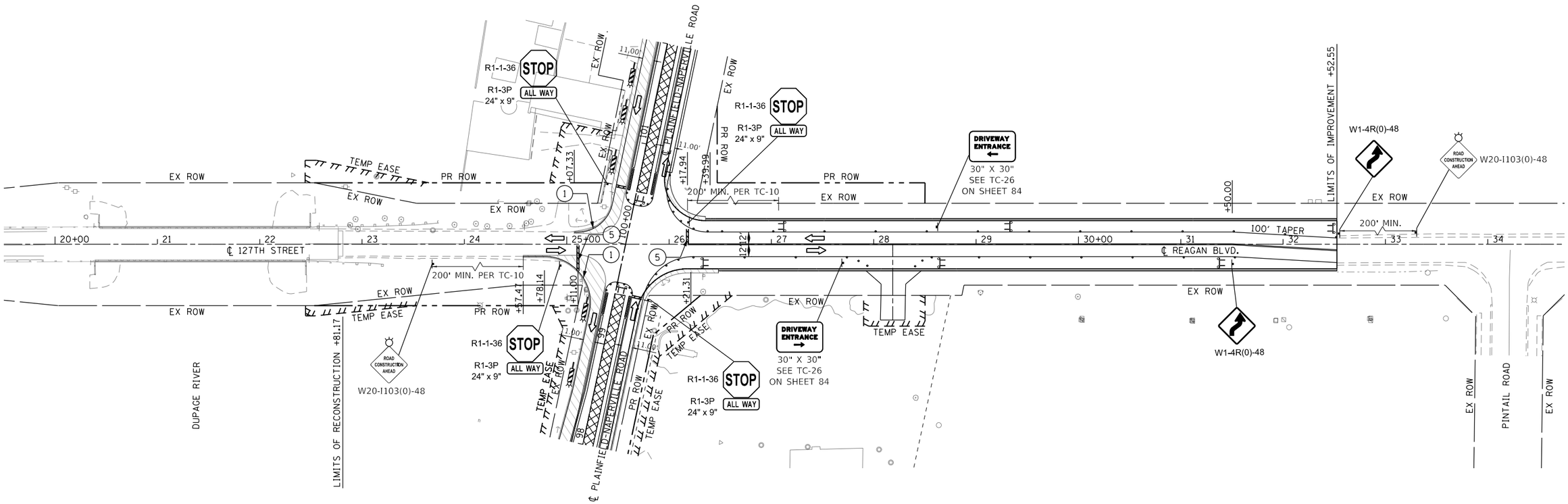
FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 11/22/2024	DATE - 11/22/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
MAINTENANCE OF TRAFFIC – STAGE 1B

SCALE: 1"=50' | SHEET NO.9 OF15 SHEETS | STA. N/A TO STA. N/A

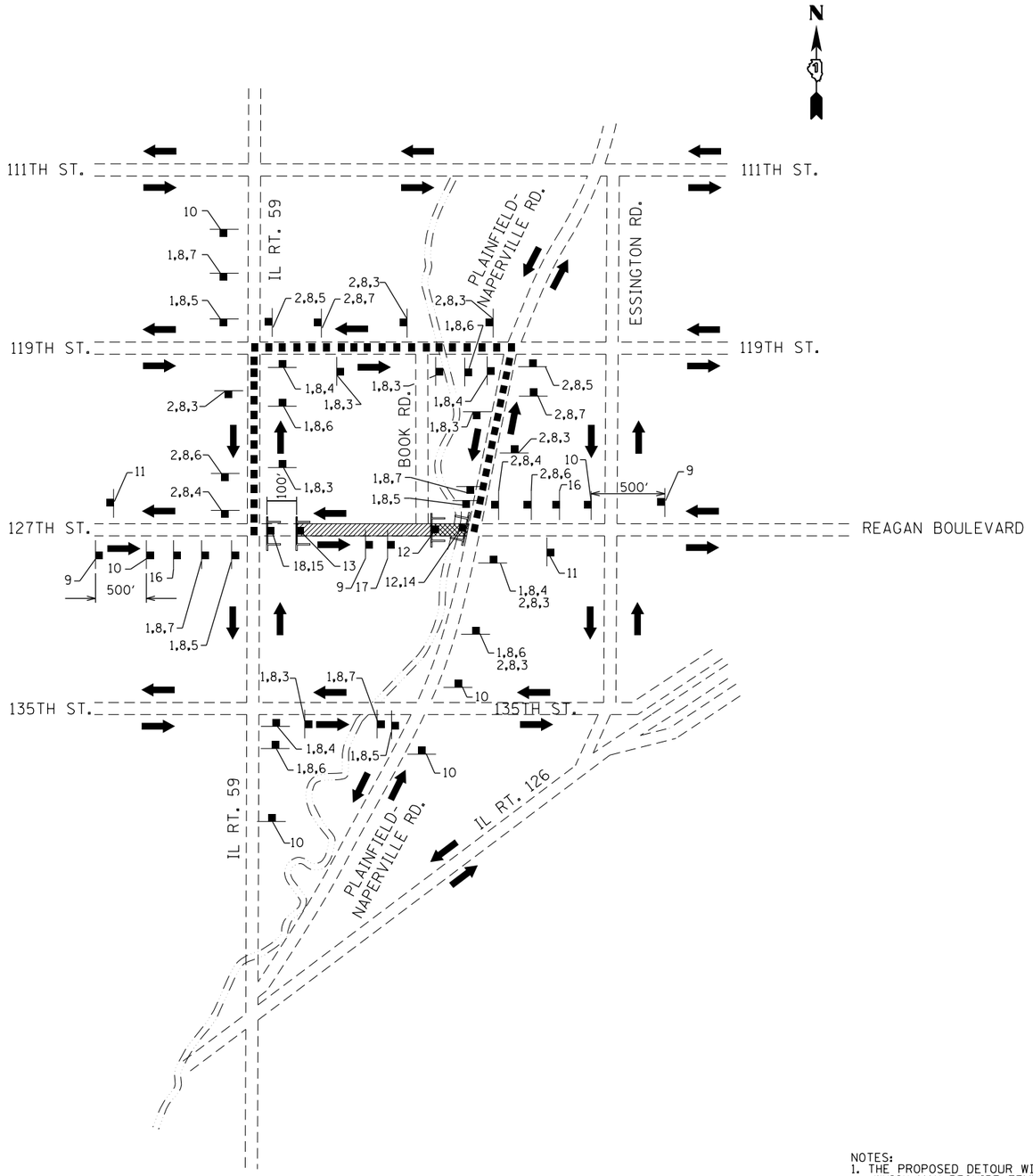
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	34
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		



NOTE:
SEE MAINTENANCE OF TRAFFIC LEGEND ON SHEET 26 FOR PAVEMENT MARKING AND MOT ITEMS

0 50 100 150
SCALE IN FEET

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD MAINTENANCE OF TRAFFIC – STAGE 1B	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	35
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 11/22/2024	DATE - 11/22/2024	REVISED -		SCALE: 1"=50' SHEET NO.10 OF15 SHEETS STA. N/A TO STA. N/A		ILLINOIS FED. AID PROJECT			



SIGN NO.	SIGN
1	EAST M3-2(O) 24'' x 12''
2	WEST M3-4(O) 24'' x 12''
3	DETOUR M4-9 30'' x 24''
4	DETOUR M4-9R 30'' x 24''
5	DETOUR M4-9L 30'' x 24''
6	DETOUR M4-9Ra 30'' x 24''
7	DETOUR M4-9La 30'' x 24''
8	127th Street SPECIAL 24''X18'' 6'' BLACK LETTERS ON ORANGE REFLECIVE BACKGROUND
9	ROAD CLOSED AHEAD W20-3 48'' x 48''

SIGN NO.	SIGN
10	DETOUR AHEAD W20-2 48'' x 48''
11	END DETOUR M4-8a 24'' x 18''
12	ROAD CLOSED R11-2 48'' x 30''
13	ROAD CLOSED TO THRU TRAFFIC R11-4 60'' x 30''
14	DETOUR M4-10R 48'' x 18''
15	DETOUR M4-10L 48'' x 18''
16	ROAD CLOSED 500FT W20-3 48'' x 48''
17	ROAD CLOSED 500FT W20-3 48'' x 48''
18	ROAD CLOSED 0.6 MILE AHEAD LOCAL TRAFFIC ONLY R11-3A 60'' x 30''
19	ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY R11-3A 60'' x 30''

DETOUR LEGEND

- COMPLETELY CLOSED
- PARTIALLY CLOSED
- 10 SIGN NUMBER
- CONSTRUCTION SIGNS
- TYPE III BARRICADES WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- DETOUR ROUTE
- TRAFFIC BARRICADE FLASHING LIGHT

NOTES:
1. THE PROPOSED DETOUR WILL RUN THROUGH THE FOLLOWING INTERSECTIONS WHICH MAY REQUIRE TEMPORARY TRAFFIC SIGNAL TIMING:
   IL 59 @ 127TH STREET
   IL 59 @ 119TH STREET
2. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPERATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	USER NAME = GGIFFORD	DESIGNED - JS	REVISED -
		DRAWN - JS	REVISED -
	PLOT SCALE = 4000.0000 ' / in.	CHECKED - DS	REVISED -
	PLOT DATE = 11/22/2024	DATE - 11/22/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

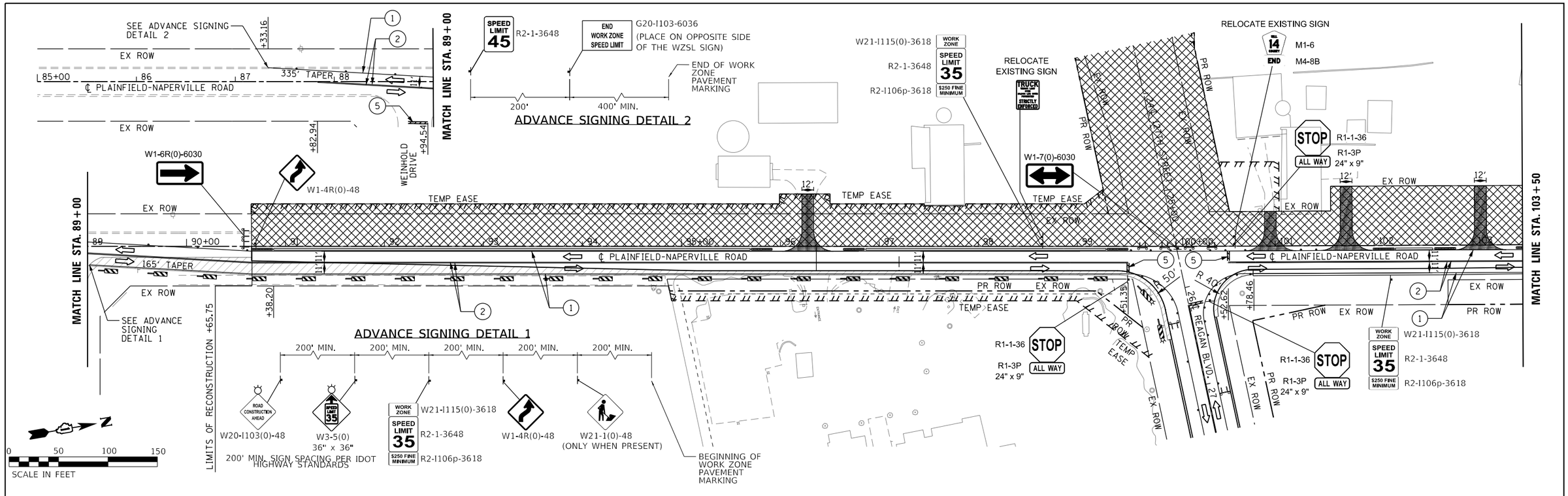
PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
DETOUR – STAGE 2A

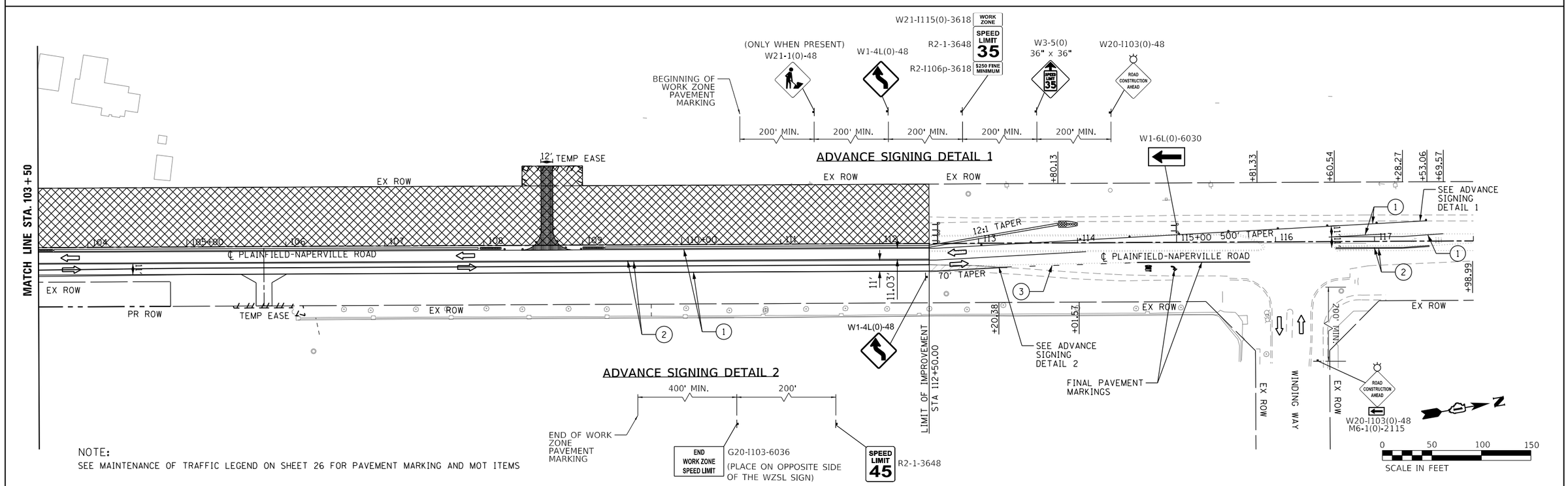
SCALE: NTS | SHEET NO.11 OF15 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	36

CONTRACT NO. 61J25

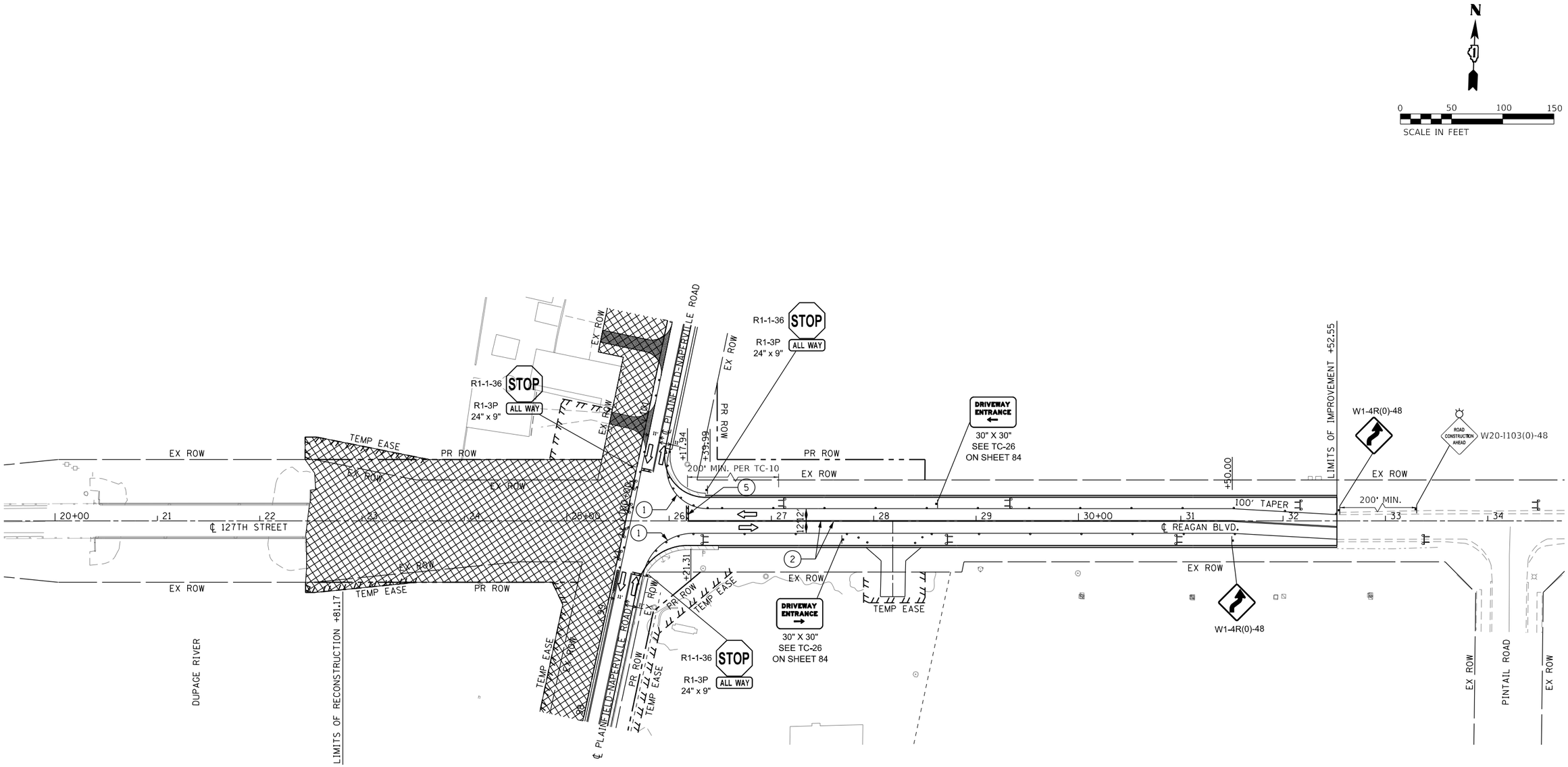
ILLINOIS FED. AID PROJECT





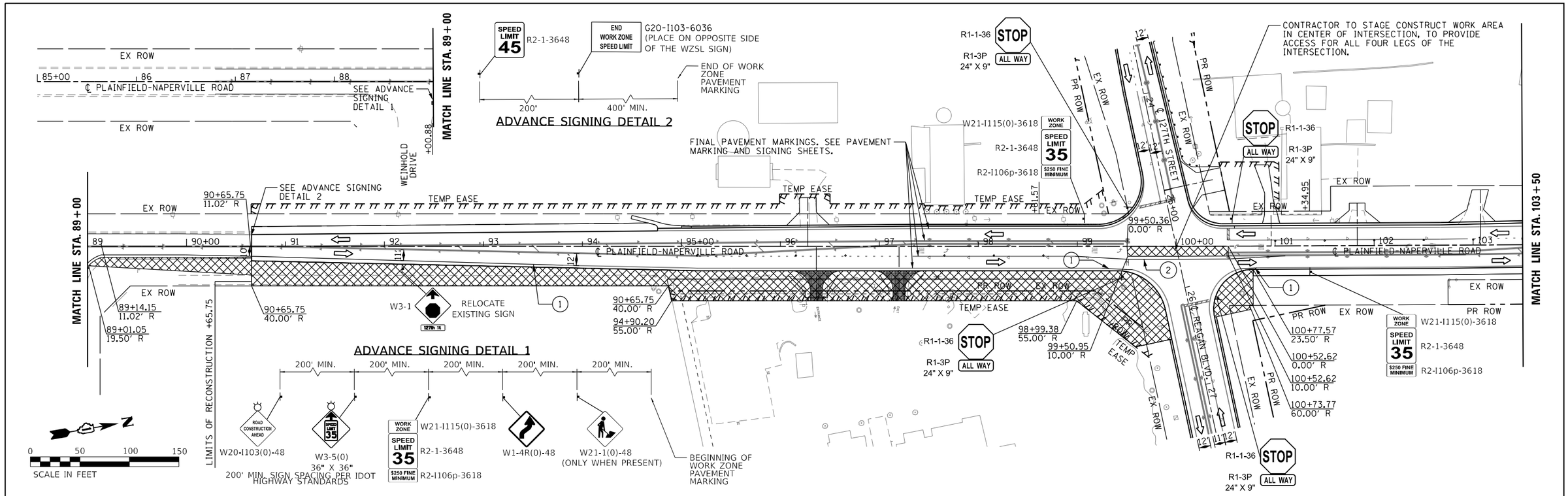
NOTE:
SEE MAINTENANCE OF TRAFFIC LEGEND ON SHEET 26 FOR PAVEMENT MARKING AND MOT ITEMS

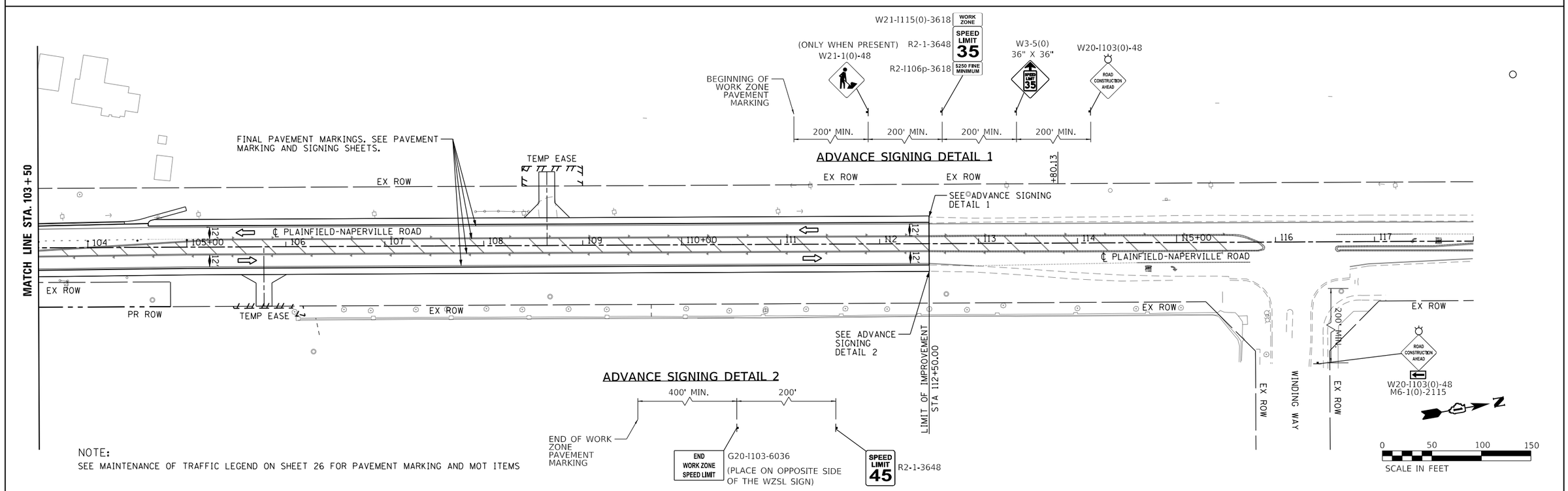
FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD MAINTENANCE OF TRAFFIC – STAGE 2A	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102 / 37
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25	
	PLOT DATE = 11/22/2024	DATE - 11/22/2024	REVISED -		SCALE: 1"=50' / SHEET NO.12 OF15 SHEETS / STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT	



NOTE:
SEE MAINTENANCE OF TRAFFIC LEGEND ON SHEET 26 FOR PAVEMENT MARKING AND MOT ITEMS

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD MAINTENANCE OF TRAFFIC – STAGE 2A	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	38
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 11/22/2024	DATE - 11/22/2024	REVISED -		SCALE: 1"=50' SHEET NO.13 OF15 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT		





NOTE:
SEE MAINTENANCE OF TRAFFIC LEGEND ON SHEET 26 FOR PAVEMENT MARKING AND MOT ITEMS

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
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	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 11/22/2024	DATE - 11/22/2024	REVISED -

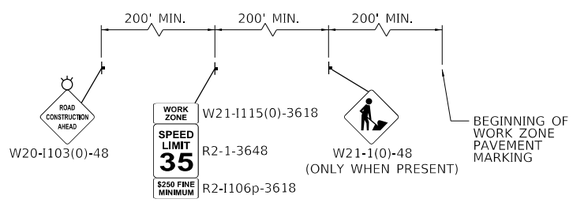
VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
MAINTENANCE OF TRAFFIC - STAGE 2B

SCALE: 1"=50' | SHEET NO.14 OF15 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	39
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		

ADVANCE SIGNING DETAIL 1



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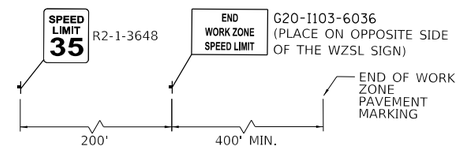

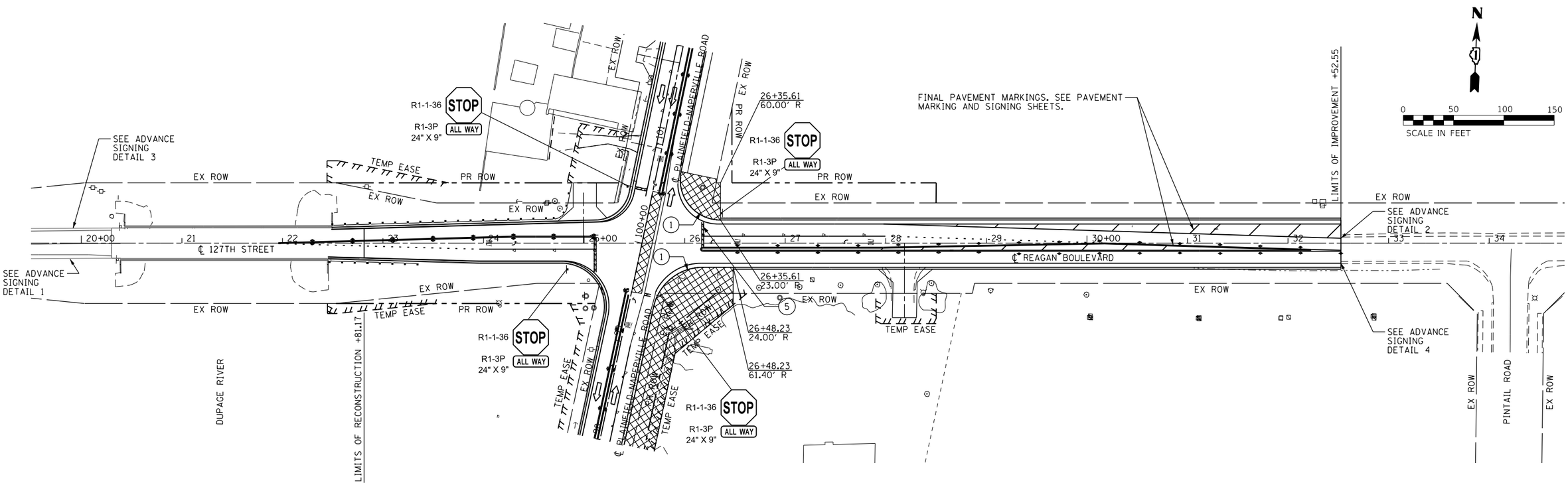

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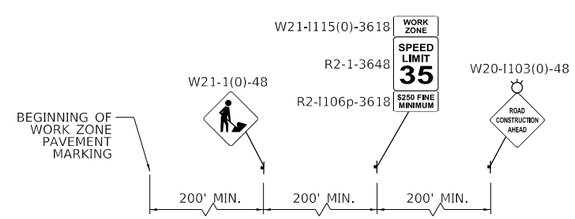

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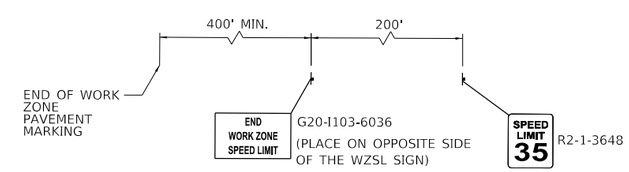


NOTE:
SEE MAINTENANCE OF TRAFFIC LEGEND ON SHEET 26 FOR PAVEMENT MARKING AND MOT ITEMS

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 11/22/2024	DATE - 11/22/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
MAINTENANCE OF TRAFFIC – STAGE 2B

SCALE: 1"=50' | SHEET NO.15 OF15 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	40
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		

EROSION AND SEDIMENT CONTROL NOTES

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, LATEST EDITION, THE CONTRACT SPECIFICATIONS, SECTION 280 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

2. EROSION CONTROL MEASURES AS INDICATED IN THE PLAN OR AS DIRECTED BY THE ENGINEER MUST BE INSTALLED ON THE PROJECT SITE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY WHICH WILL CREATE POTENTIALLY ERODIBLE CONDITIONS.

3 A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

4. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
   a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
   b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

5. TEMPORARY SEED ALL BARE AND ERODIBLE AREAS EVERY SEVEN DAYS AS DIRECTED BY THE ENGINEER. TEMPORARY MULCH ALL SEEDED AREAS ACCORDING TO ARTICLE 251.03(B) OR ARTICLE 251.03(C). EROSION CONTROL BLANKET CAN BE USED INSTEAD OF MULCH ACCORDING ARTICLE 251.04.

6. INLET FILTERS WILL BE INSTALLED IN ALL CATCH BASINS, INLETS AND OPEN LID MANHOLES AS DIRECTED BY THE ENGINEER. THE FILTERS SHALL BE MAINTAINED IN THE ENTIRE DURATION OF THE PROJECT.

7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN DESIGN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. THE LOCATIONS OF ALL STABILIZED ENTRANCES ARE SUBJECT TO APPROVAL BY THE ENGINEER. SUGGESTED OR POTENTIAL LOCATIONS MAY BE SHOWN ON THE PLANS.

8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.

9. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR THEIR BUFFERS. THE STOCKPILE LOCATIONS SHALL BE DETERMINED AT THE TIME OF THE PRECONSTRUCTION MEETING AND ARE SUBJECT TO THE APPROVAL OF THE ENGINEER AND COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS. SUGGESTED LOCATIONS ARE SHOWN ON THE PLANS.

10. SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.

12. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.

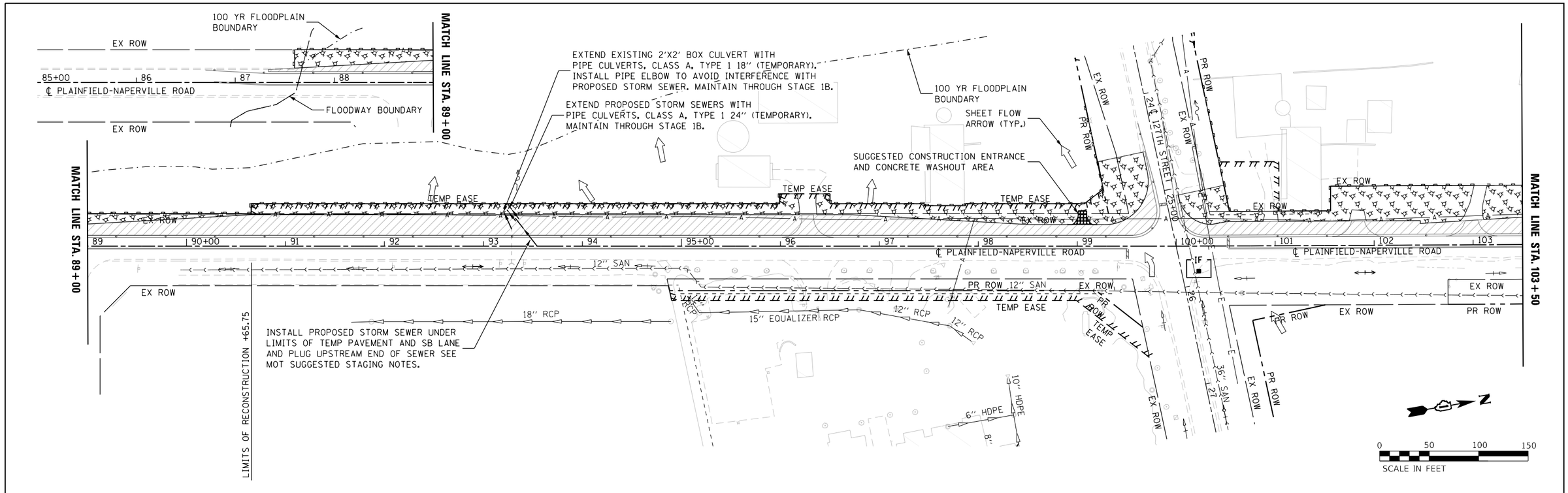
13. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.

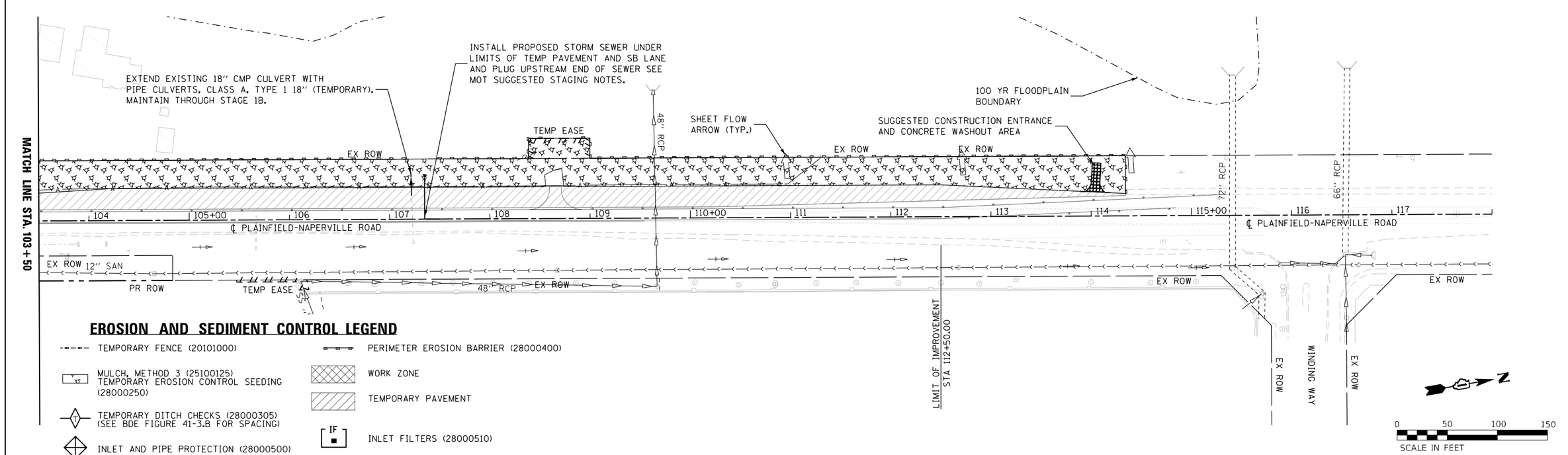
14. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.

15. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.

16. SEDIMENT TRAPS, SEDIMENT BASINS, DITCHES, SEDIMENT CONTROL, SILT FENCE, STONE OUTLET STRUCTURES, EARTH BERMS, ETC. SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON AS WELL AS THE WINTER MONTHS AND OTHER TIMES WHEN THE PROJECT IS CLOSED DOWN. TRAPS WILL BE CLEANED WHEN THEY ARE 50% FILLED, STONE OUTLET STRUCTURES SHALL HAVE SEDIMENT REMOVED WHEN IT REACHES 50% THE HEIGHT OF THE CONTROL DEVICE. PERIMETER BARRIER FENCE SHALL HAVE SEDIMENT REMOVED WHEN IT REACHES ONE-THIRD OF THE BARRIER HEIGHT. THESE SPOILS WILL BE REMOVED TO AN APPROVED SITE.

20. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S), WHO MAY PERFORM WORK ON THIS SITE/PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.



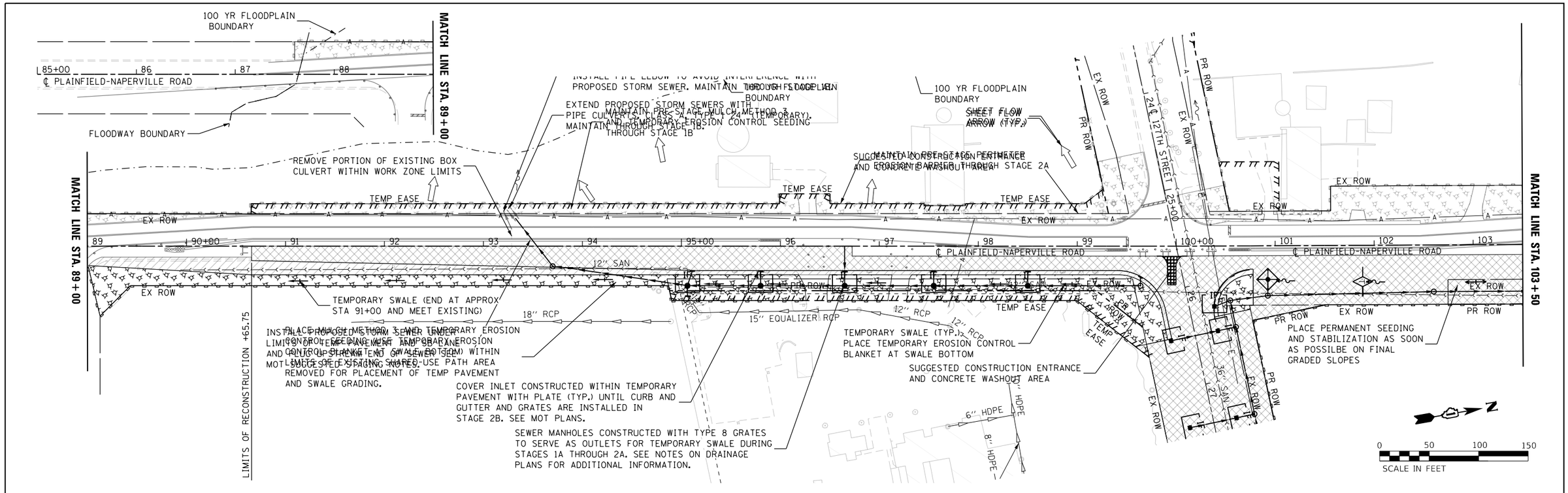


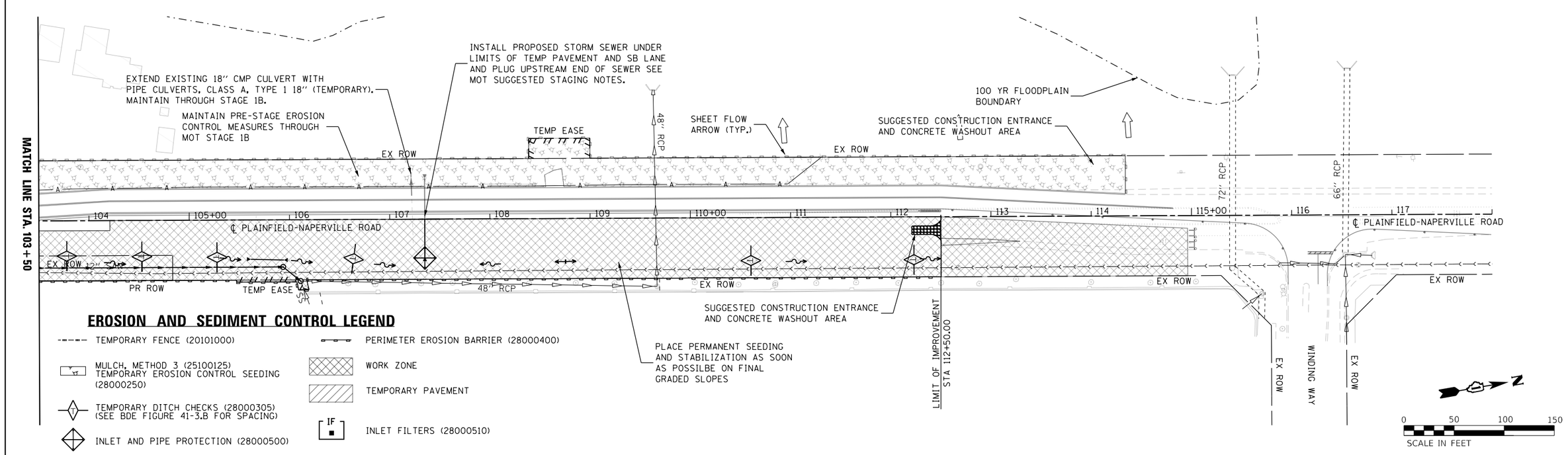
EROSION AND SEDIMENT CONTROL LEGEND

- TEMPORARY FENCE (20101000)
- MULCH, METHOD 3 (25100125) TEMPORARY EROSION CONTROL SEEDING (28000250)
- TEMPORARY DITCH CHECKS (28000305) (SEE BDE FIGURE 41-3.B FOR SPACING)
- INLET AND PIPE PROTECTION (28000500)
- PERIMETER EROSION BARRIER (28000400)
- WORK ZONE
- TEMPORARY PAVEMENT
- IF — INLET FILTERS (28000510)

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD EROSION AND SEDIMENT CONTROL - PRESTAGE
		DRAWN - GG	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=50' SHEET NO.2 OF7 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	42
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		





EROSION AND SEDIMENT CONTROL LEGEND

- TEMPORARY FENCE (20101000)
- MULCH, METHOD 3 (25100125) TEMPORARY EROSION CONTROL SEEDING (28000250)
- TEMPORARY DITCH CHECKS (28000305) (SEE BDE FIGURE 41-3.B FOR SPACING)
- INLET AND PIPE PROTECTION (28000500)
- PERIMETER EROSION BARRIER (28000400)
- WORK ZONE
- TEMPORARY PAVEMENT
- INLET FILTERS (28000510)

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

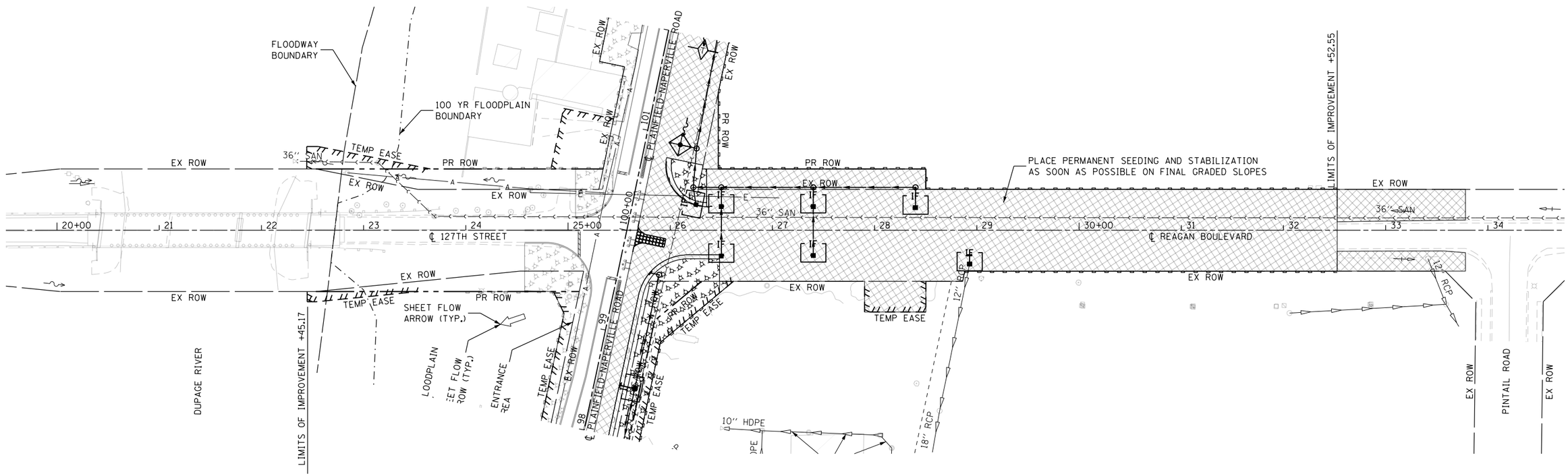
PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
EROSION AND SEDIMENT CONTROL - STAGE 1A

SCALE: 1"=50' | SHEET NO.3 OF7 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	43
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		

EROSION AND SEDIMENT CONTROL LEGEND

- TEMPORARY FENCE (20101000)
- MULCH, METHOD 3 (25100125) TEMPORARY EROSION CONTROL SEEDING (28000250)
- TEMPORARY DITCH CHECKS (28000305) (SEE BDE FIGURE 41-3.B FOR SPACING)
- INLET AND PIPE PROTECTION (28000500)
- PERIMETER EROSION BARRIER (28000400)
- WORK ZONE
- TEMPORARY PAVEMENT
- INLET FILTERS (28000510)



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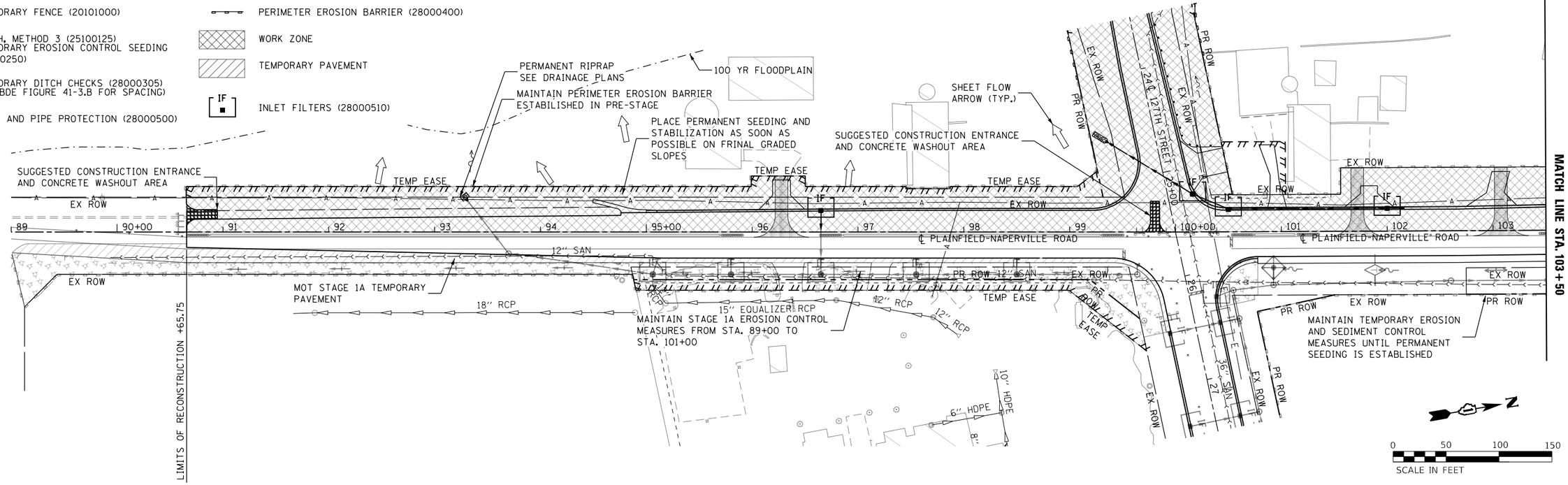
SCALE IN FEET

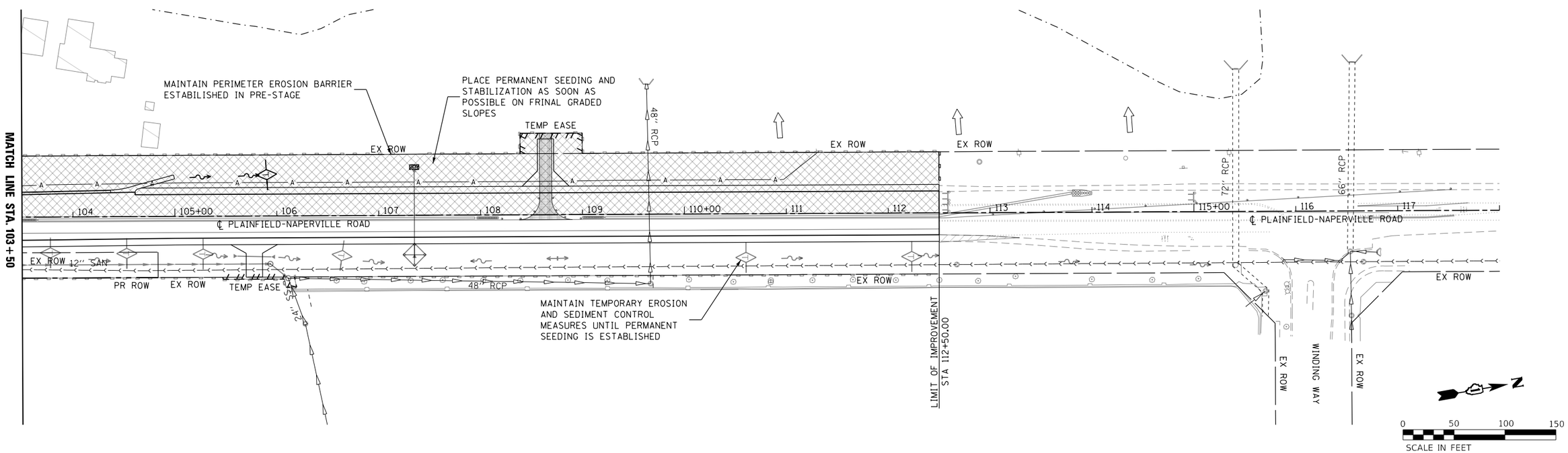
FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD EROSION AND SEDIMENT CONTROL – STAGE 1A
		DRAWN - GG	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=50' SHEET NO.4 OF7 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	44
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		

EROSION AND SEDIMENT CONTROL LEGEND

- TEMPORARY FENCE (20101000)
- MULCH, METHOD 3 (25100125) TEMPORARY EROSION CONTROL SEEDING (28000250)
- TEMPORARY DITCH CHECKS (28000305) (SEE BDE FIGURE 41-3.B FOR SPACING)
- INLET AND PIPE PROTECTION (28000500)
- PERIMETER EROSION BARRIER (28000400)
- WORK ZONE
- TEMPORARY PAVEMENT
- INLET FILTERS (28000510)





FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD EROSION AND SEDIMENT CONTROL – STAGE 2A	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
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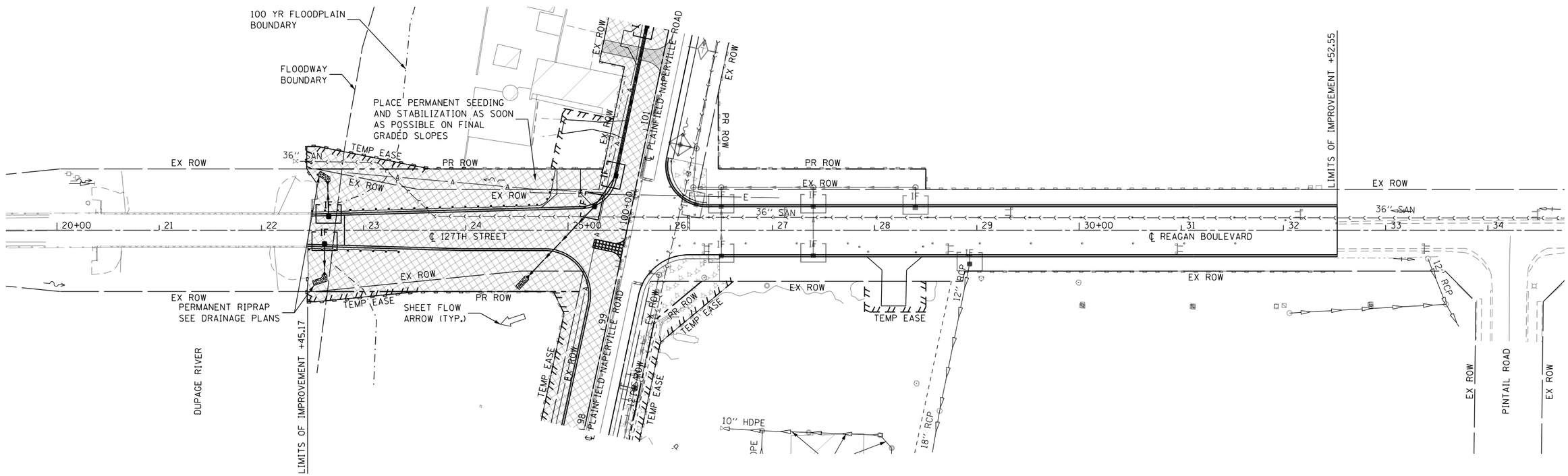
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=50' / SHEET NO.5 OF 7 SHEETS / STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT	

EROSION AND SEDIMENT CONTROL LEGEND

- TEMPORARY FENCE (20101000)
- MULCH, METHOD 3 (25100125) TEMPORARY EROSION CONTROL SEEDING (28000250)
- TEMPORARY DITCH CHECKS (28000305) (SEE BDE FIGURE 41-3.B FOR SPACING)
- INLET AND PIPE PROTECTION (28000500)
- PERIMETER EROSION BARRIER (28000400)
- WORK ZONE
- TEMPORARY PAVEMENT
- INLET FILTERS (28000510)



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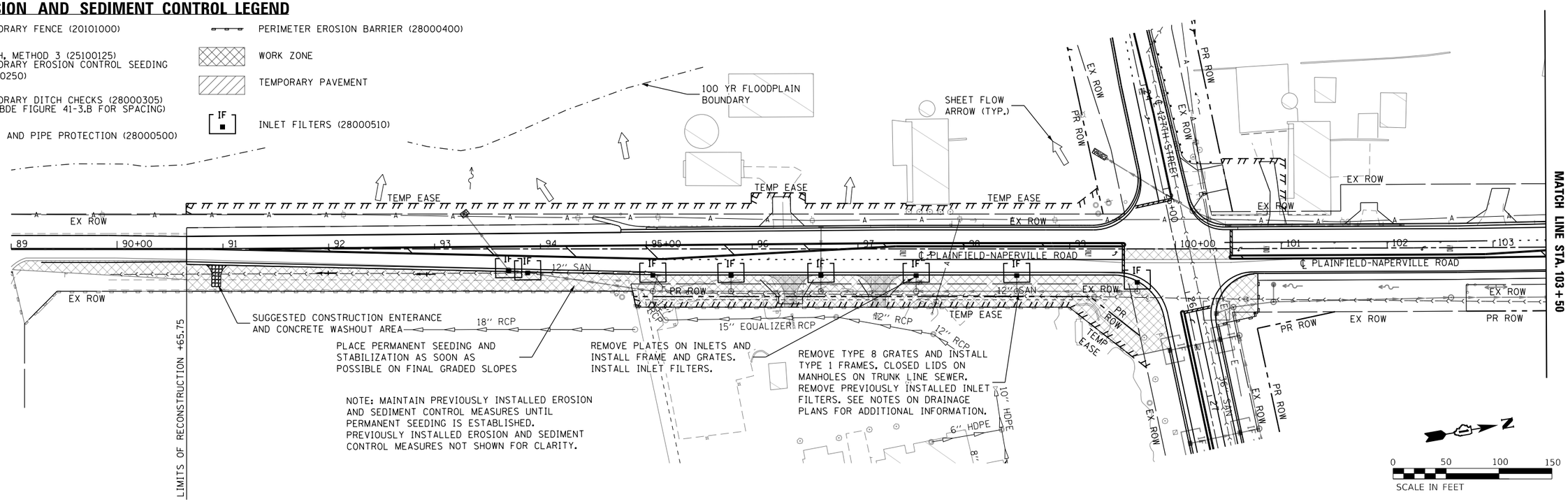
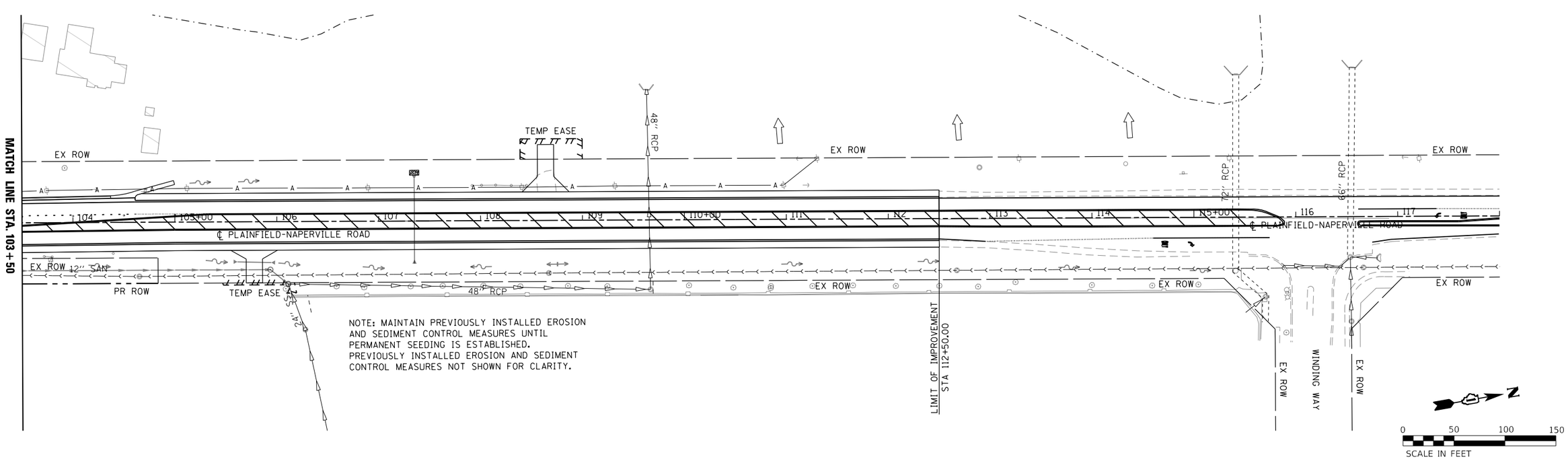
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=50' SHEET NO.6 OF 7 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT		

EROSION AND SEDIMENT CONTROL LEGEND

- TEMPORARY FENCE (20101000)
- MULCH, METHOD 3 (25100125) TEMPORARY EROSION CONTROL SEEDING (28000250)
- TEMPORARY DITCH CHECKS (28000305) (SEE BDE FIGURE 41-3.B FOR SPACING)
- INLET AND PIPE PROTECTION (28000500)
- PERIMETER EROSION BARRIER (28000400)
- WORK ZONE
- TEMPORARY PAVEMENT
- INLET FILTERS (28000510)

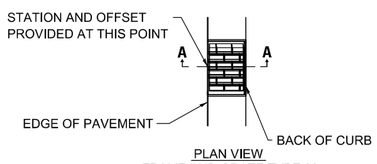




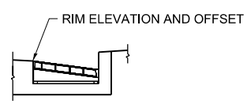
FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD EROSION AND SEDIMENT CONTROL - STAGE 2B	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102 / 47
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25	
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=50' / SHEET NO. 7 OF 7 SHEETS / STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT	

DRAINAGE GENERAL NOTES

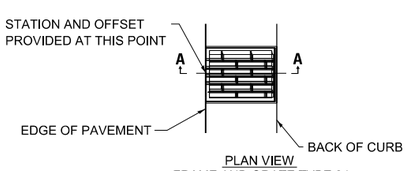
1. MAINTAINING DRAINAGE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
2. LENGTHS AND SIZES OF EXISTING STORM SEWERS AS SHOWN ON THE PLANS SHALL BE VERIFIED 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.
3. EXISTING DRAINAGE STRUCTURES TO BE LEFT IN PLACE SHALL BE PROTECTED DURING CONSTRUCTION. IF IN THE OPINION OF THE ENGINEER, THE DRAINAGE STRUCTURES ARE DAMAGED DUE TO THE CONTRACTOR'S OPERATION, THEY SHALL BE REPLACED IN KIND AT NO ADDITIONAL COST TO WILL COUNTY.
4. DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF THE GUTTER OR DRAINAGE STRUCTURES, DITCHES, ETC. SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORK DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES ARE TO BE FREE FROM DIRT AND DEBRIS.
5. ALL EXISTING FIELD DRAINAGE TILE AND OFF-SITE STORM SEWER ENCOUNTERED AND DAMAGED DURING CONSTRUCTION ARE TO BE RESTORED TO THEIR ORIGINAL CONDITIONS, PROPERLY REROUTED AND/OR CONNECTED TO THE STORM SEWER SYSTEM OR PROPOSED DITCHES UNLESS OTHERWISE SPECIFIED.
6. THE CONTRACTOR SHALL VERIFY WHEN FLAT SLAB TOPS ARE REQUIRED ON MANHOLES AND CATCH BASINS. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THE USE OF FLAT SLAB TOPS, UNLESS NOTED OTHERWISE ON PLANS.
7. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. SEE THE UTILITY RELOCATION PLANS FOR ADJUSTMENTS OR RELOCATION OF UTILITIES.
9. SEE THE EROSION & SEDIMENT CONTROL PLANS FOR TEMPORARY DRAINAGE AND SUGGESTED STAGING OF DRAINAGE SYSTEM.



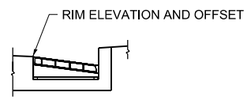
PLAN VIEW
FRAME AND GRATE TYPE 23



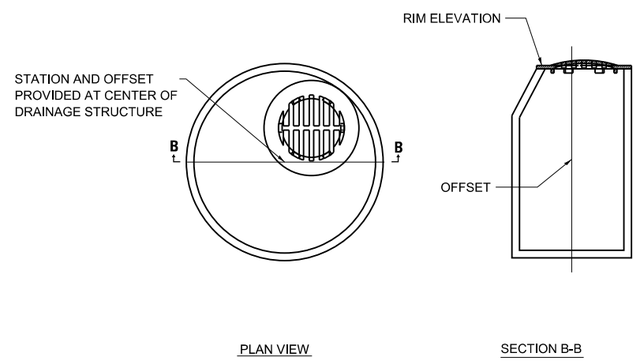
SECTION A-A



PLAN VIEW
FRAME AND GRATE TYPE 24



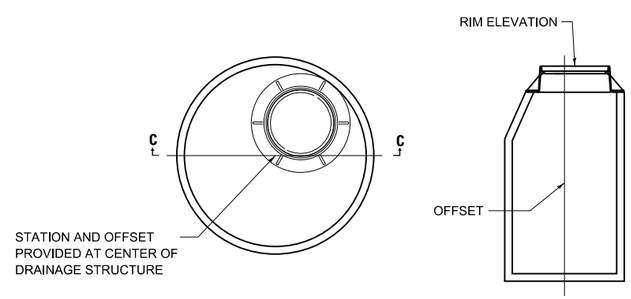
SECTION A-A



PLAN VIEW

SECTION B-B

TYPE 8 GRATE



PLAN VIEW

SECTION C-C

TYPE 1 LID

LEGEND

DRAINAGE ITEMS	EX	PR
Channel or Stream Line		
Culvert Line		
Grading & Shaping Ditches		
Drainage Boundary Line		
Paved Ditch		
Aggregate Ditch		
Pipe Underdrain		
Storm Sewer		
Flowline	FL	FL
Ditch Check		
Headwall		
Inlet		
Manhole		
Summit		
Roadway Ditch Flow		
Swale		
Catch Basin		
Culvert End Section		
Water Surface Indicator		
Riprap		

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD DRAINAGE GENERAL NOTES, LEGEND AND STRUCTURE STATION/OFFSET DETAIL	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102 / 48
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25	
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SHEET NO.1 OF4 SHEETS		ILLINOIS	FED. AID PROJECT	

S01 CONC ES 542011 24 1:2
STA. 93+30.0, 31.3' LT
INVERT ELEV. = 616.90 (NE)

S02 MAN TA 5 DIA T23F&G
STA. 93+70.0, 21.3' RT
RIM ELEV. = 620.43
INVERT ELEV. = 617.08 (N)
INVERT ELEV. = 617.00 (SW)

S03 NOT USED

S04 INLETS TA T23F&G
STA. 95+11.0, 24.4' RT
RIM ELEV. = 622.29
INVERT ELEV. = 619.13 (E)

S05 MAN TA 6 DIA T1F CL
STA. 95+06.2, 39.8' RT (CENTER OF STR.)
STA. 95+07.9, 38.8' RT (CENTER OF LID)
RIM ELEV. = 622.71
INVERT ELEV. = 618.40 (N)
INVERT ELEV. = 618.15 (S)
INVERT ELEV. = 618.98 (NE, W)

S05A MAN TA 4 DIA T23F&G
STA. 93+88.0, 21.7' RT
RIM ELEV. = 620.65
INVERT ELEV. = 617.25 (N, S)

S06 INLETS TB T1F CL
STA. 95+06.2, 50.5' RT
RIM ELEV. = 625.00
INVERT ELEV. = 619.04 (W)
INVERT ELEV. = 622.07 (NE)

S07 INLETS TA T23F&G
STA. 95+80.0, 24.5' RT
RIM ELEV. = 623.42
INVERT ELEV. = 620.34 (E)

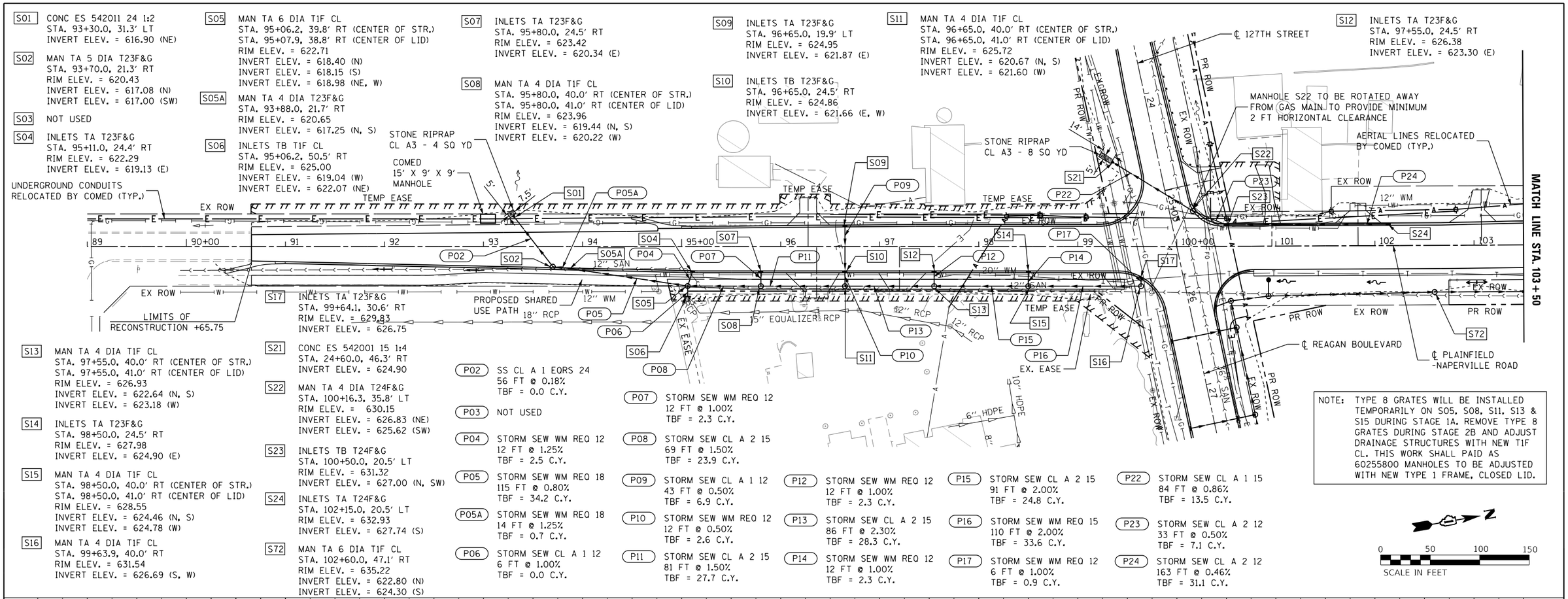
S08 MAN TA 4 DIA T1F CL
STA. 95+80.0, 40.0' RT (CENTER OF STR.)
STA. 95+80.0, 41.0' RT (CENTER OF LID)
RIM ELEV. = 623.96
INVERT ELEV. = 619.44 (N, S)
INVERT ELEV. = 620.22 (W)

S09 INLETS TA T23F&G
STA. 96+65.0, 19.9' LT
RIM ELEV. = 624.95
INVERT ELEV. = 621.87 (E)

S10 INLETS TB T23F&G
STA. 96+65.0, 24.5' RT
RIM ELEV. = 624.86
INVERT ELEV. = 621.66 (E, W)

S11 MAN TA 4 DIA T1F CL
STA. 96+65.0, 40.0' RT (CENTER OF STR.)
STA. 96+65.0, 41.0' RT (CENTER OF LID)
RIM ELEV. = 625.72
INVERT ELEV. = 620.67 (N, S)
INVERT ELEV. = 621.60 (W)

S12 INLETS TA T23F&G
STA. 97+55.0, 24.5' RT
RIM ELEV. = 626.38
INVERT ELEV. = 623.30 (E)



S13 MAN TA 4 DIA T1F CL
STA. 97+55.0, 40.0' RT (CENTER OF STR.)
STA. 97+55.0, 41.0' RT (CENTER OF LID)
RIM ELEV. = 626.93
INVERT ELEV. = 622.64 (N, S)
INVERT ELEV. = 623.18 (W)

S14 INLETS TA T23F&G
STA. 98+50.0, 24.5' RT
RIM ELEV. = 627.98
INVERT ELEV. = 624.90 (E)

S15 MAN TA 4 DIA T1F CL
STA. 98+50.0, 40.0' RT (CENTER OF STR.)
STA. 98+50.0, 41.0' RT (CENTER OF LID)
RIM ELEV. = 628.55
INVERT ELEV. = 624.46 (N, S)
INVERT ELEV. = 624.78 (W)

S16 MAN TA 4 DIA T1F CL
STA. 99+63.9, 40.0' RT
RIM ELEV. = 631.54
INVERT ELEV. = 626.69 (S, W)

S17 INLETS TA T23F&G
STA. 99+64.1, 30.6' RT
RIM ELEV. = 629.83
INVERT ELEV. = 626.75

S21 CONC ES 542001 15 1:4
STA. 24+60.0, 46.3' RT
INVERT ELEV. = 624.90

S22 MAN TA 4 DIA T24F&G
STA. 100+16.3, 35.8' LT
RIM ELEV. = 630.15
INVERT ELEV. = 626.83 (NE)
INVERT ELEV. = 625.62 (SW)

S23 INLETS TB T24F&G
STA. 100+50.0, 20.5' LT
RIM ELEV. = 631.32
INVERT ELEV. = 627.00 (N, SW)

S24 INLETS TA T24F&G
STA. 102+15.0, 20.5' LT
RIM ELEV. = 632.93
INVERT ELEV. = 627.74 (S)

S72 MAN TA 6 DIA T1F CL
STA. 102+60.0, 47.1' RT
RIM ELEV. = 635.22
INVERT ELEV. = 622.80 (N)
INVERT ELEV. = 624.30 (S)

P02 SS CL A 1 EQRS 24
56 FT @ 0.18%
TBF = 0.0 C.Y.

P03 NOT USED

P04 STORM SEW WM REQ 12
12 FT @ 1.25%
TBF = 2.5 C.Y.

P05 STORM SEW WM REQ 18
115 FT @ 0.80%
TBF = 34.2 C.Y.

P05A STORM SEW WM REQ 18
14 FT @ 1.25%
TBF = 0.7 C.Y.

P06 STORM SEW CL A 1 12
6 FT @ 1.00%
TBF = 0.0 C.Y.

P07 STORM SEW WM REQ 12
12 FT @ 1.00%
TBF = 2.3 C.Y.

P08 STORM SEW CL A 2 15
69 FT @ 1.50%
TBF = 23.9 C.Y.

P09 STORM SEW CL A 1 12
43 FT @ 0.50%
TBF = 6.9 C.Y.

P10 STORM SEW WM REQ 12
12 FT @ 0.50%
TBF = 2.6 C.Y.

P11 STORM SEW CL A 2 15
81 FT @ 1.50%
TBF = 27.7 C.Y.

P12 STORM SEW WM REQ 12
12 FT @ 1.00%
TBF = 2.3 C.Y.

P13 STORM SEW CL A 2 15
86 FT @ 2.30%
TBF = 28.3 C.Y.

P14 STORM SEW WM REQ 12
12 FT @ 1.00%
TBF = 2.3 C.Y.

P15 STORM SEW CL A 2 15
91 FT @ 2.00%
TBF = 24.8 C.Y.

P16 STORM SEW WM REQ 15
110 FT @ 2.00%
TBF = 33.6 C.Y.

P17 STORM SEW WM REQ 12
6 FT @ 1.00%
TBF = 0.9 C.Y.

P22 STORM SEW CL A 1 15
84 FT @ 0.86%
TBF = 13.5 C.Y.

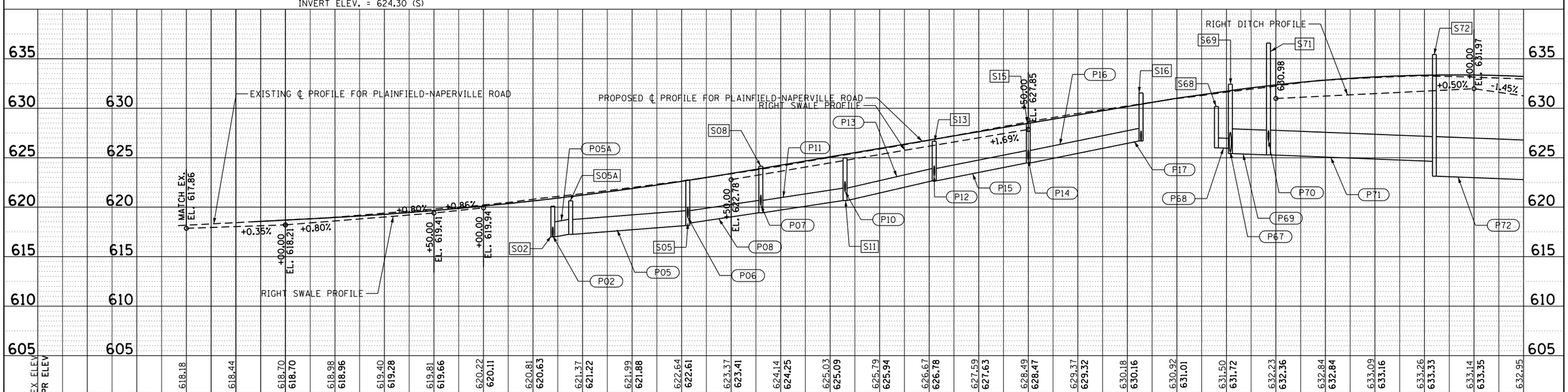
P23 STORM SEW CL A 2 12
33 FT @ 0.50%
TBF = 7.1 C.Y.

P24 STORM SEW CL A 2 12
163 FT @ 0.46%
TBF = 31.1 C.Y.

NOTE: TYPE 8 GRATES WILL BE INSTALLED TEMPORARILY ON S05, S08, S11, S13 & S15 DURING STAGE 1A. REMOVE TYPE 8 GRATES DURING STAGE 2B AND ADJUST DRAINAGE STRUCTURES WITH NEW T1F CL. THIS WORK SHALL PAID AS 60255800 MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID.

N

0 50 100 150
SCALE IN FEET



FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
DRAINAGE PLAN & PROFILE - PLAINFIELD-NAPERVILLE ROAD

SCALE: 1"=50' | SHEET NO.2 OF4 SHEETS | STA. N/A TO STA. 103+50

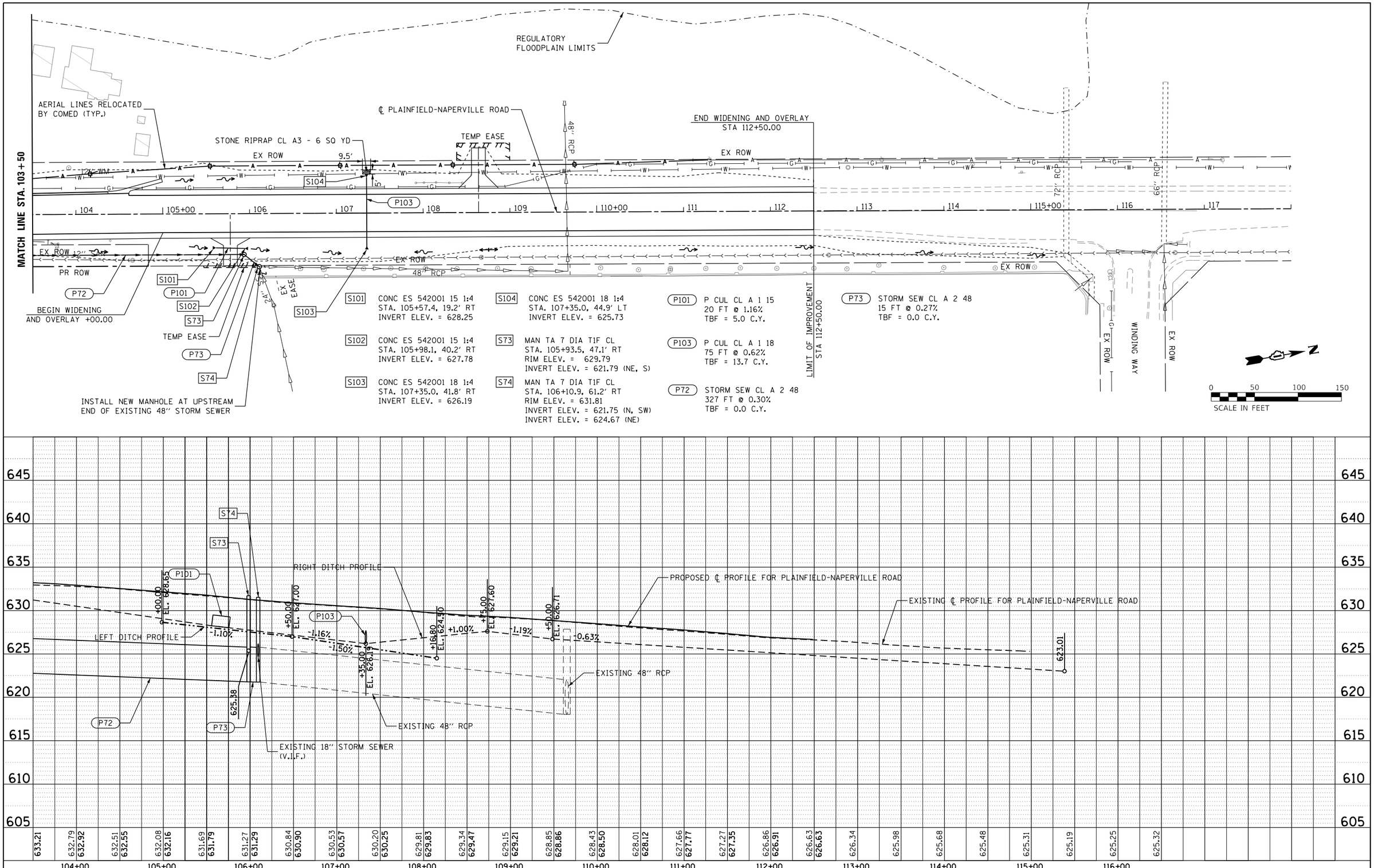
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	49

CONTRACT NO. 61J25
ILLINOIS FED. AID PROJECT

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

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK NO. / BY / DATE

MODEL: Default
FILE NAME: I:\CHILEGACY\CHICAGO2 (T Drive)\254403_CADD\01_Sheets\08_Drainage\D1-SHT-HWY-DRN-PROPOSED_DRAINAGE_01.dgn



FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
DRAINAGE PLAN & PROFILE – PLAINFIELD–NAPERVILLE ROAD

SCALE: 1"=50' | SHEET NO.3 OF4 SHEETS | STA. 103+50 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	50

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT

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

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BLM. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK NO. / BY / DATE

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FILE NAME: I:\CHILLEGACY\CHICAGO2 (T Drive)\254403_CADD\01_Sheets\08_Drainage\D1-SHT-HWI-DRN-PROPOSED_DRAINAGE_02.dgn

S41 PRC FLAR END SEC 12
STA. 22+61.8, 43.6' RT
INVERT ELEV. = 613.00 (N)

S42 CB TA 4 DIA T23F&G
STA. 22+61.8, 14.3' RT
RIM ELEV. = 625.28
INVERT ELEV. = 613.12 (S)

S43 PRC FLAR END SEC 12
STA. 22+64.8, 47.7' LT
INVERT ELEV. = 611.00 (S)

S44 CB TA 4 DIA T23F&G
STA. 22+65.7, 14.4' LT
RIM ELEV. = 625.36
INVERT ELEV. = 611.13 (N)

S65 INLETS TA T23F&G
STA. 26+50.0, 24.0' RT
RIM ELEV. = 630.37
INVERT ELEV. = 626.32 (N)

S66 INLETS TB T23F&G
STA. 26+50.0, 23.0' LT
RIM ELEV. = 630.39
INVERT ELEV. = 626.09 (N, S)

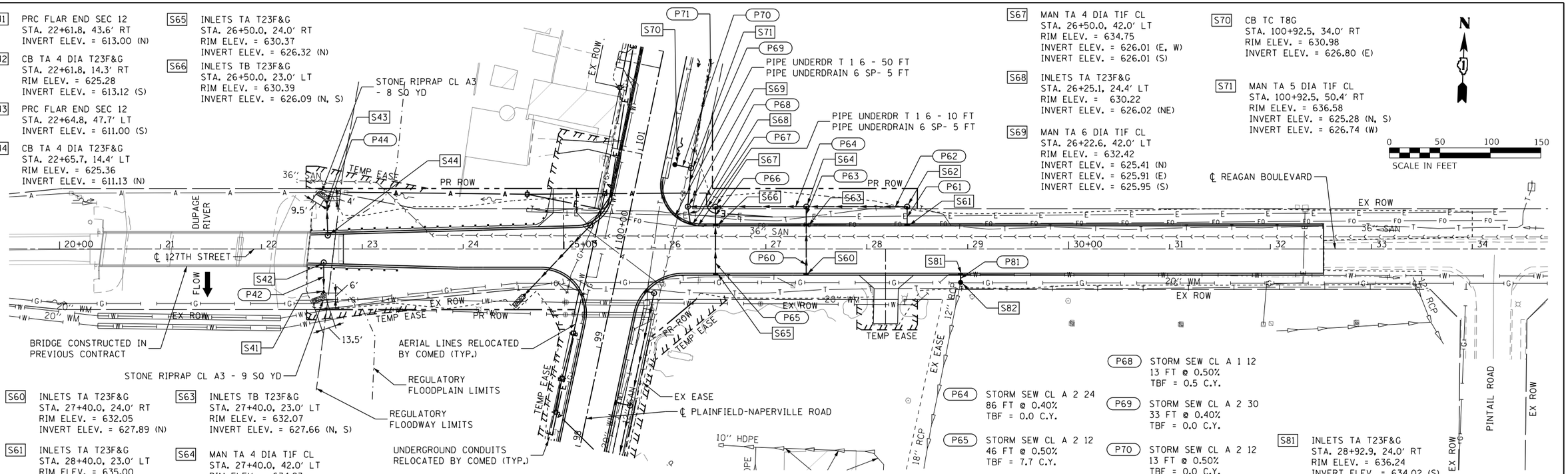
S67 MAN TA 4 DIA T1F CL
STA. 26+50.0, 42.0' LT
RIM ELEV. = 634.75
INVERT ELEV. = 626.01 (E, W)
INVERT ELEV. = 626.01 (S)

S68 INLETS TA T23F&G
STA. 26+25.1, 24.4' LT
RIM ELEV. = 630.22
INVERT ELEV. = 626.02 (NE)

S69 MAN TA 6 DIA T1F CL
STA. 26+22.6, 42.0' LT
RIM ELEV. = 632.42
INVERT ELEV. = 625.41 (N)
INVERT ELEV. = 625.91 (E)
INVERT ELEV. = 625.95 (S)

S70 CB TC T8G
STA. 100+92.5, 34.0' RT
RIM ELEV. = 630.98
INVERT ELEV. = 626.80 (E)

S71 MAN TA 5 DIA T1F CL
STA. 100+92.5, 50.4' RT
RIM ELEV. = 636.58
INVERT ELEV. = 625.28 (N, S)
INVERT ELEV. = 626.74 (W)



S60 INLETS TA T23F&G
STA. 27+40.0, 24.0' RT
RIM ELEV. = 632.05
INVERT ELEV. = 627.89 (N)

S61 INLETS TA T23F&G
STA. 28+40.0, 23.0' LT
RIM ELEV. = 635.00
INVERT ELEV. = 630.85 (N)

S62 MAN TA 4 DIA T1F CL
STA. 28+40.0, 42.0' LT
RIM ELEV. = 637.04
INVERT ELEV. = 626.74 (W)
INVERT ELEV. = 630.77 (S)

S63 INLETS TB T23F&G
STA. 27+40.0, 23.0' LT
RIM ELEV. = 632.07
INVERT ELEV. = 627.66 (N, S)

S64 MAN TA 4 DIA T1F CL
STA. 27+40.0, 42.0' LT
RIM ELEV. = 634.23
INVERT ELEV. = 626.35 (E, W)
INVERT ELEV. = 627.58 (S)

P42 STORM SEW CL A 3 12
23 FT @ 0.50%
TBF = 4.7 C.Y.

P44 STORM SEW CL A 3 12
26 FT @ 0.50%
TBF = 5.7 C.Y.

P60 STORM SEW CL A 2 12
46 FT @ 0.50%
TBF = 8.2 C.Y.

P61 STORM SEW CL A 2 12
16 FT @ 0.50%
TBF = 0.8 C.Y.

P62 STORM SEW CL A 2 24
96 FT @ 0.40%
TBF = 0.0 C.Y.

P63 STORM SEW CL A 2 12
16 FT @ 0.50%
TBF = 0.9 C.Y.

P64 STORM SEW CL A 2 24
86 FT @ 0.40%
TBF = 0.0 C.Y.

P65 STORM SEW CL A 2 12
46 FT @ 0.50%
TBF = 7.7 C.Y.

P66 STORM SEW CL A 2 12
16 FT @ 0.50%
TBF = 1.2 C.Y.

P67 STORM SEW CL A 2 24
23 FT @ 0.40%
TBF = 0.0 C.Y.

P68 STORM SEW CL A 1 12
13 FT @ 0.50%
TBF = 0.5 C.Y.

P69 STORM SEW CL A 2 30
33 FT @ 0.40%
TBF = 0.0 C.Y.

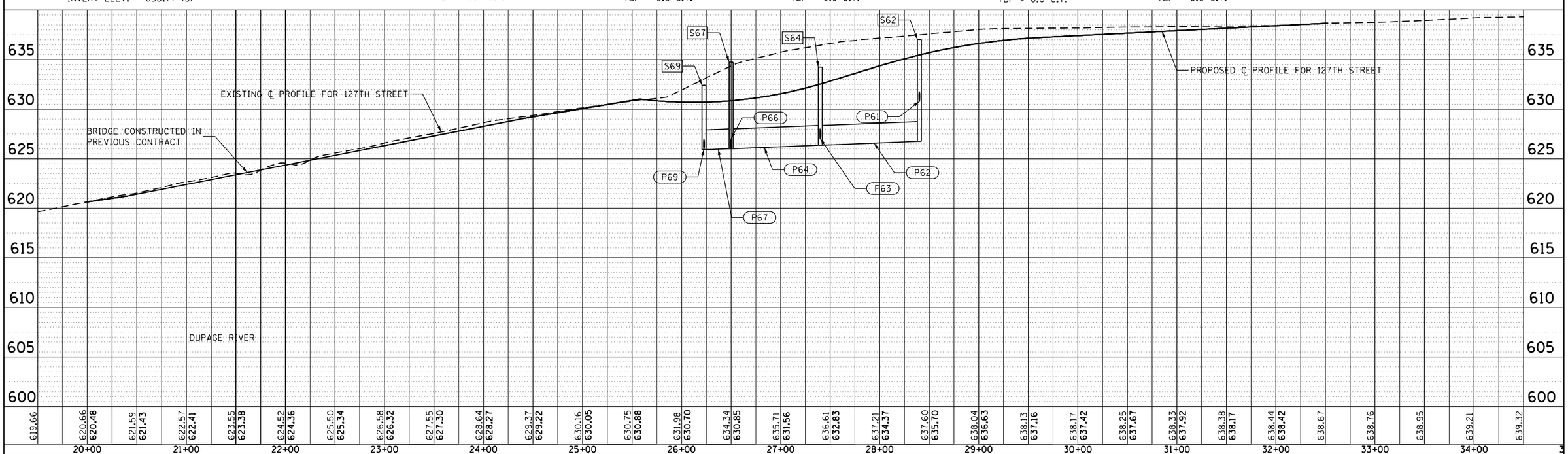
P70 STORM SEW CL A 2 12
13 FT @ 0.50%
TBF = 0.0 C.Y.

P71 STORM SEW CL A 2 30
162 FT @ 0.60%
TBF = 0.0 C.Y.

P81 STORM SEW WM REQ 12
6 FT @ 0.50%
TBF = 0.0 C.Y.

S81 INLETS TA T23F&G
STA. 28+92.9, 24.0' RT
RIM ELEV. = 636.24
INVERT ELEV. = 634.02 (S)

S82 CB TA T8G
STA. 28+92.9, 33.0' RT
RIM ELEV. = 636.57
INVERT ELEV. = 633.99 (N)
INVERT ELEV. = 631.99 (S)



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	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
DRAINAGE PLAN & PROFILE – 127TH STREET

SCALE: 1"=50' | SHEET NO.4 OF4 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	51

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT

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

PROFILE | NOTE BOOK NO.____ | SURVEYED ____ PLOTTED ____ GRADES CHECKED ____ B.M. NOTED ____ STRUCTURE NOTATNS CHKD ____ | BY | DATE

MODEL: Default
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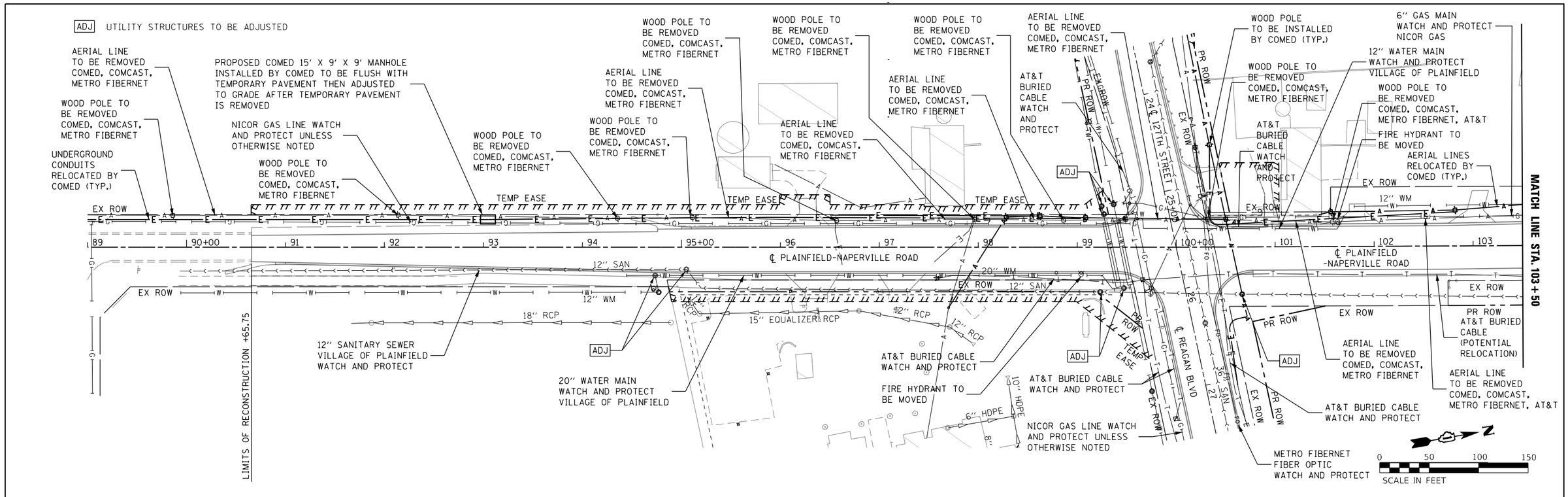
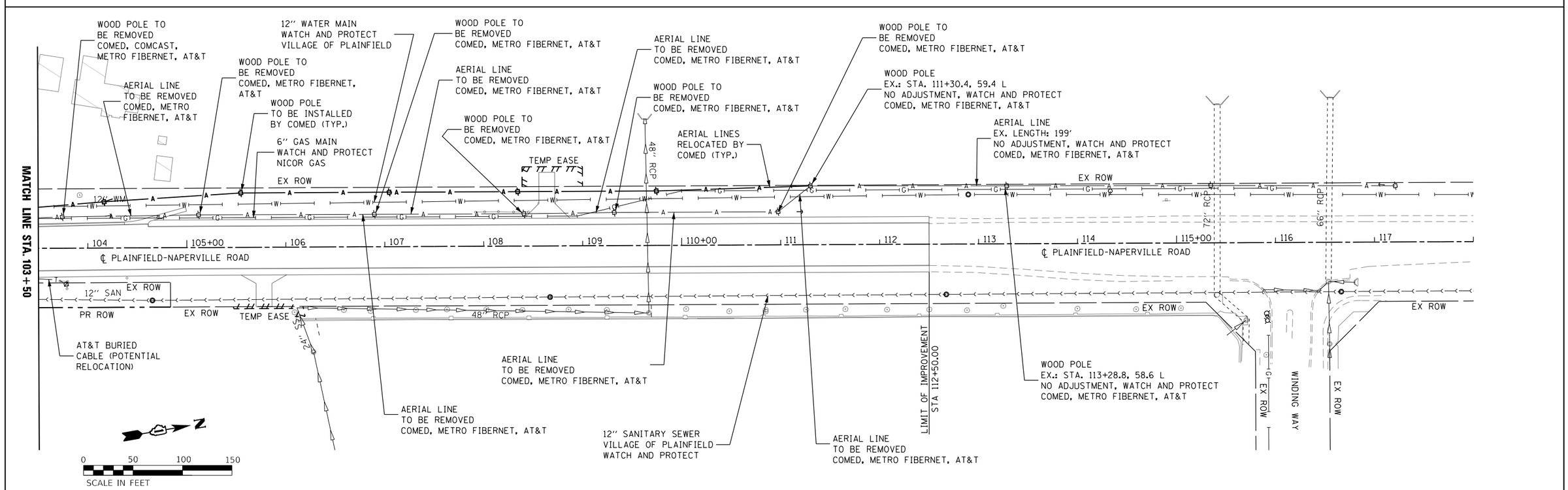
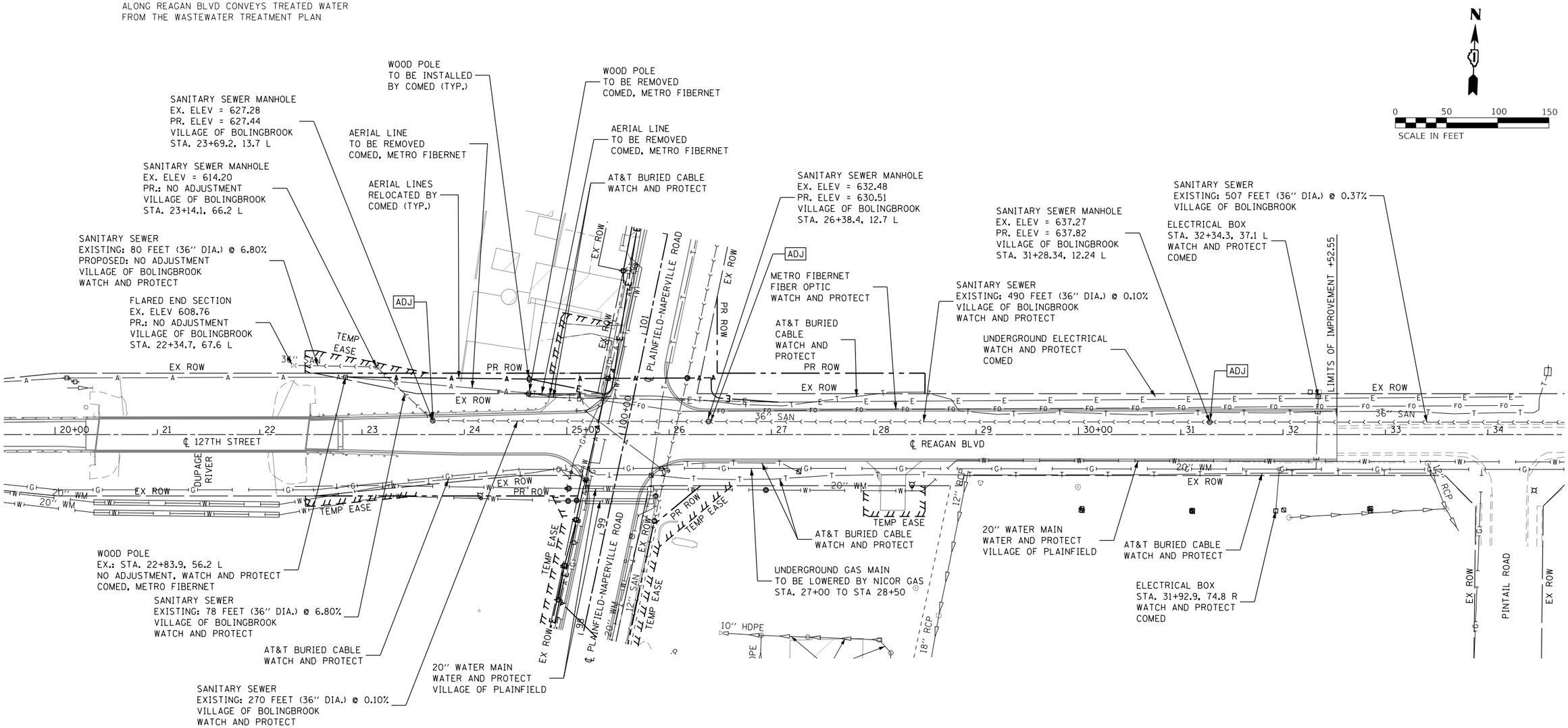




FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD UTILITY RELOCATION PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	52
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"-50' SHEET NO.1 OF2 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT		

ADJ UTILITY STRUCTURES TO BE ADJUSTED

NOTE:
VILLAGE OF BOLINGBROOK SANITARY SEWER
ALONG REAGAN BLVD CONVEYS TREATED WATER
FROM THE WASTEWATER TREATMENT PLAN



FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
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	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

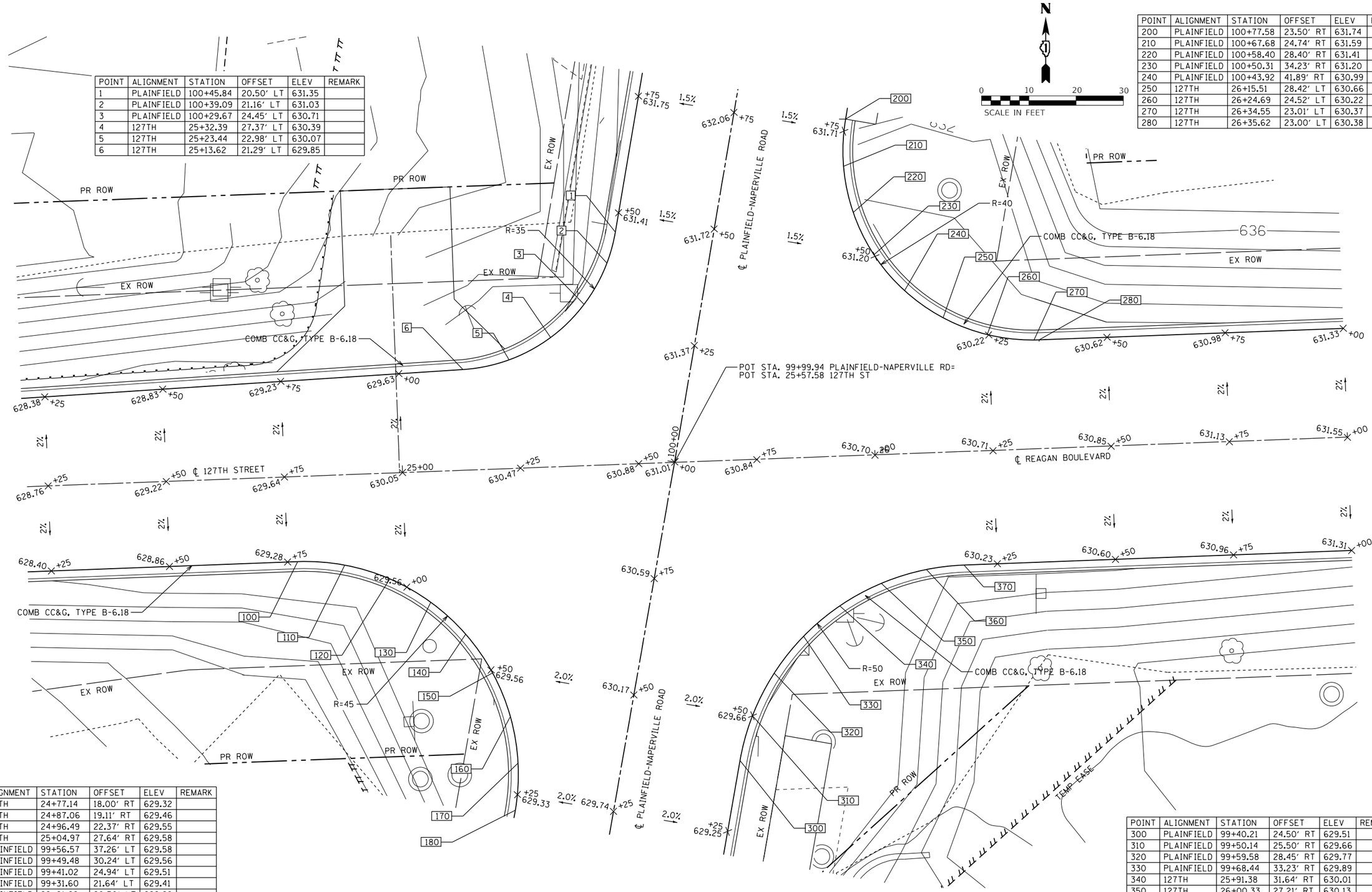
PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
UTILITY RELOCATION PLAN

SCALE: 1"=50' | SHEET NO.2 OF2 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	53

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT



POINT	ALIGNMENT	STATION	OFFSET	ELEV	REMARK
1	PLAINFIELD	100+45.84	20.50' LT	631.35	
2	PLAINFIELD	100+39.09	21.16' LT	631.03	
3	PLAINFIELD	100+29.67	24.45' LT	630.71	
4	127TH	25+32.39	27.37' LT	630.39	
5	127TH	25+23.44	22.98' LT	630.07	
6	127TH	25+13.62	21.29' LT	629.85	

POINT	ALIGNMENT	STATION	OFFSET	ELEV	REMARK
200	PLAINFIELD	100+77.58	23.50' RT	631.74	
210	PLAINFIELD	100+67.68	24.74' RT	631.59	
220	PLAINFIELD	100+58.40	28.40' RT	631.41	
230	PLAINFIELD	100+50.31	34.23' RT	631.20	
240	PLAINFIELD	100+43.92	41.89' RT	630.99	
250	127TH	26+15.51	28.42' LT	630.66	
260	127TH	26+24.69	24.52' LT	630.22	
270	127TH	26+34.55	23.01' LT	630.37	
280	127TH	26+35.62	23.00' LT	630.38	

POINT	ALIGNMENT	STATION	OFFSET	ELEV	REMARK
100	127TH	24+77.14	18.00' RT	629.32	
110	127TH	24+87.06	19.11' RT	629.46	
120	127TH	24+96.49	22.37' RT	629.55	
130	127TH	25+04.97	27.64' RT	629.58	
140	PLAINFIELD	99+56.57	37.26' LT	629.58	
150	PLAINFIELD	99+49.48	30.24' LT	629.56	
160	PLAINFIELD	99+41.02	24.94' LT	629.51	
170	PLAINFIELD	99+31.60	21.64' LT	629.41	
180	PLAINFIELD	99+21.69	20.50' LT	629.28	

POINT	ALIGNMENT	STATION	OFFSET	ELEV	REMARK
300	PLAINFIELD	99+40.21	24.50' RT	629.51	
310	PLAINFIELD	99+50.14	25.50' RT	629.66	
320	PLAINFIELD	99+59.58	28.45' RT	629.77	
330	PLAINFIELD	99+68.44	33.23' RT	629.89	
340	127TH	25+91.38	31.64' RT	630.01	
350	127TH	26+00.33	27.21' RT	630.13	
360	127TH	26+09.98	24.64' RT	630.25	
370	127TH	26+17.95	24.00' RT	630.37	

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
INTERSECTION DETAIL SHEET

SCALE: 1"=10' | SHEET NO.1 OF1 SHEETS | STA. N/A TO STA. N/A

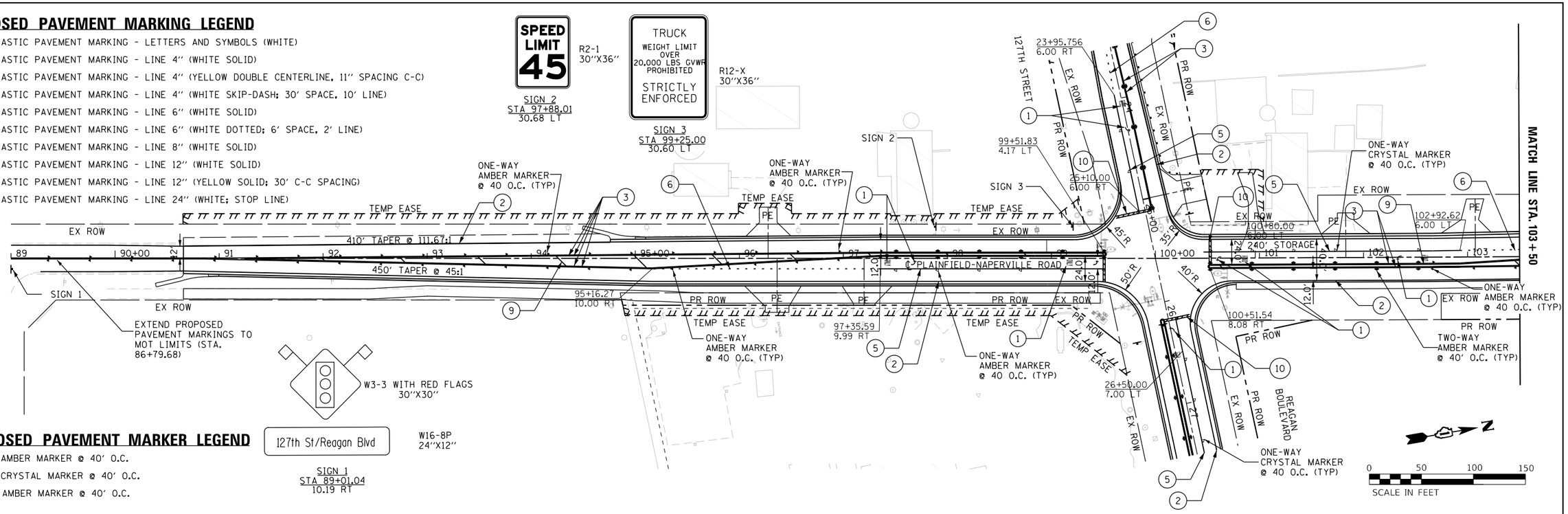
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	54

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT

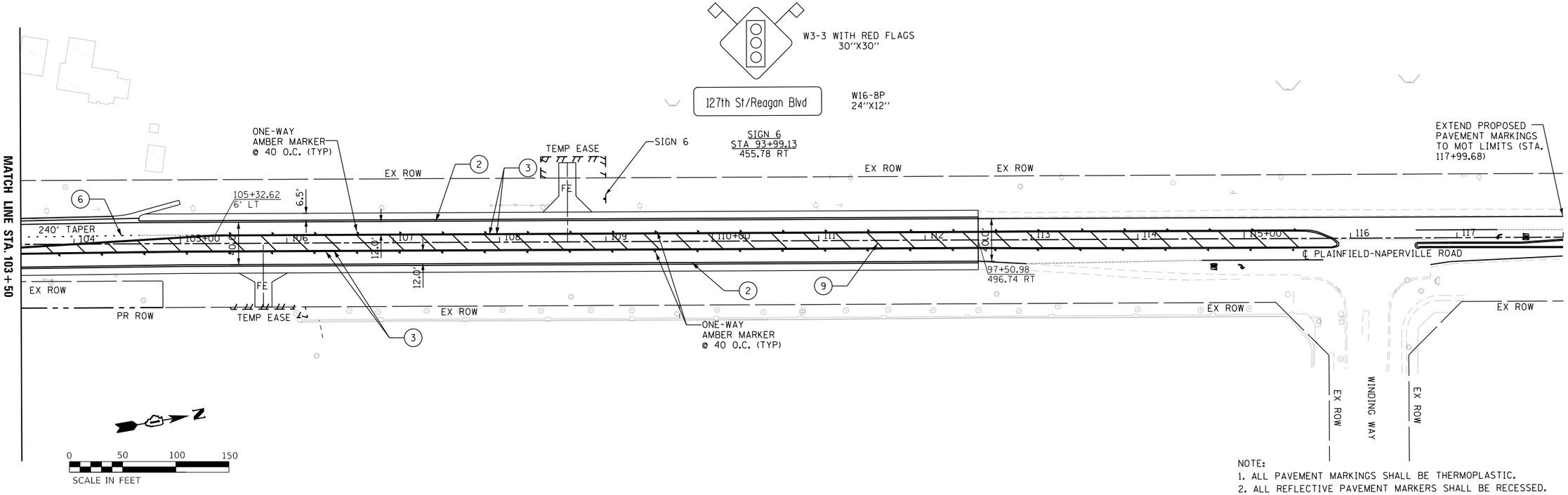
PROPOSED PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW DOUBLE CENTERLINE, 11" SPACING C-C)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SKIP-DASH; 30' SPACE, 10' LINE)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE DOTTED; 6' SPACE, 2' LINE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID)
9. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW SOLID; 30' C-C SPACING)
10. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE; STOP LINE)



PROPOSED PAVEMENT MARKER LEGEND

- ONE-WAY AMBER MARKER @ 40' O.C.
- ONE-WAY CRYSTAL MARKER @ 40' O.C.
- TWO-WAY AMBER MARKER @ 40' O.C.



NOTE:
1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
2. ALL REFLECTIVE PAVEMENT MARKERS SHALL BE RECESSED.
AND WILL BE PAID FOR AS RECESSED REFLECTIVE PAVEMENT MARKER.

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
PAVEMENT MARKING & SIGNING

SCALE: 1"=50' | SHEET NO.1 OF2 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	55

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT

PROPOSED PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW DOUBLE CENTERLINE, 11" SPACING C-C)
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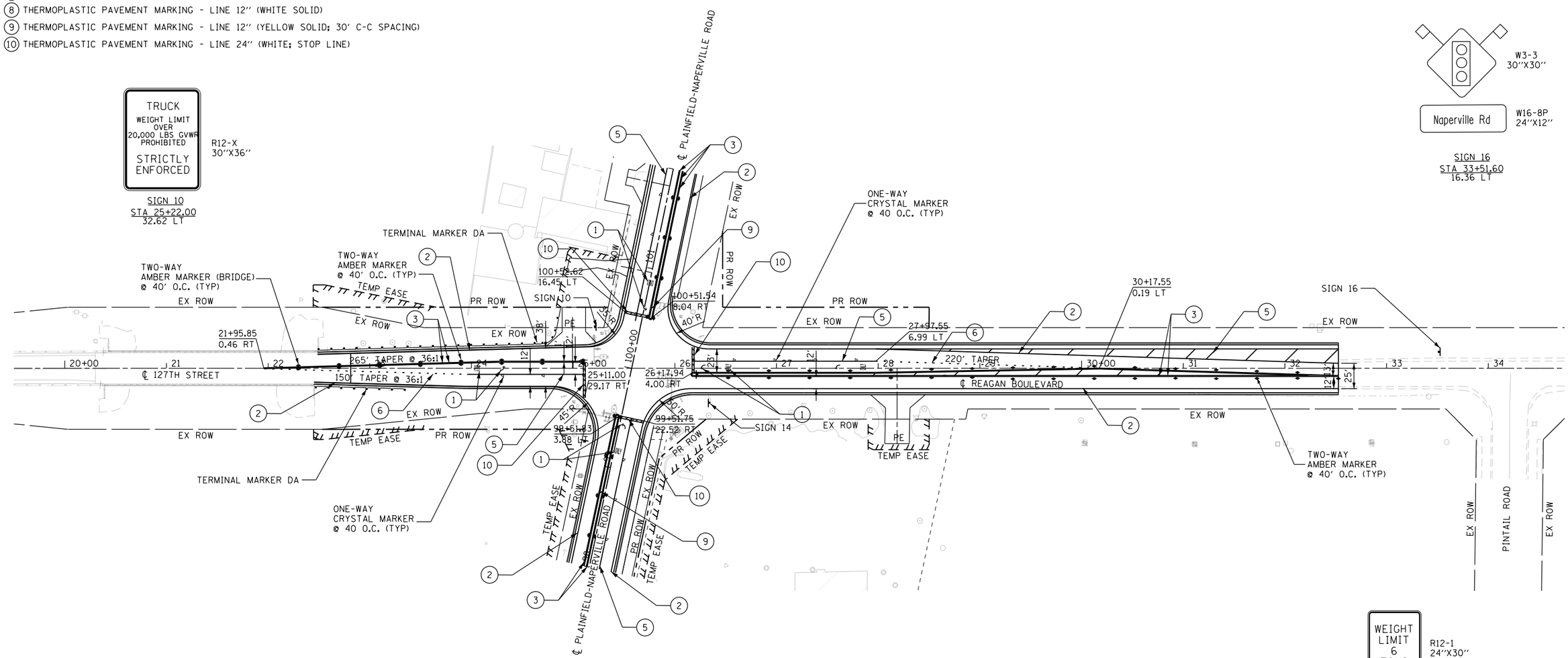
9. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW SOLID; 30' C-C SPACING)
10. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE; STOP LINE)



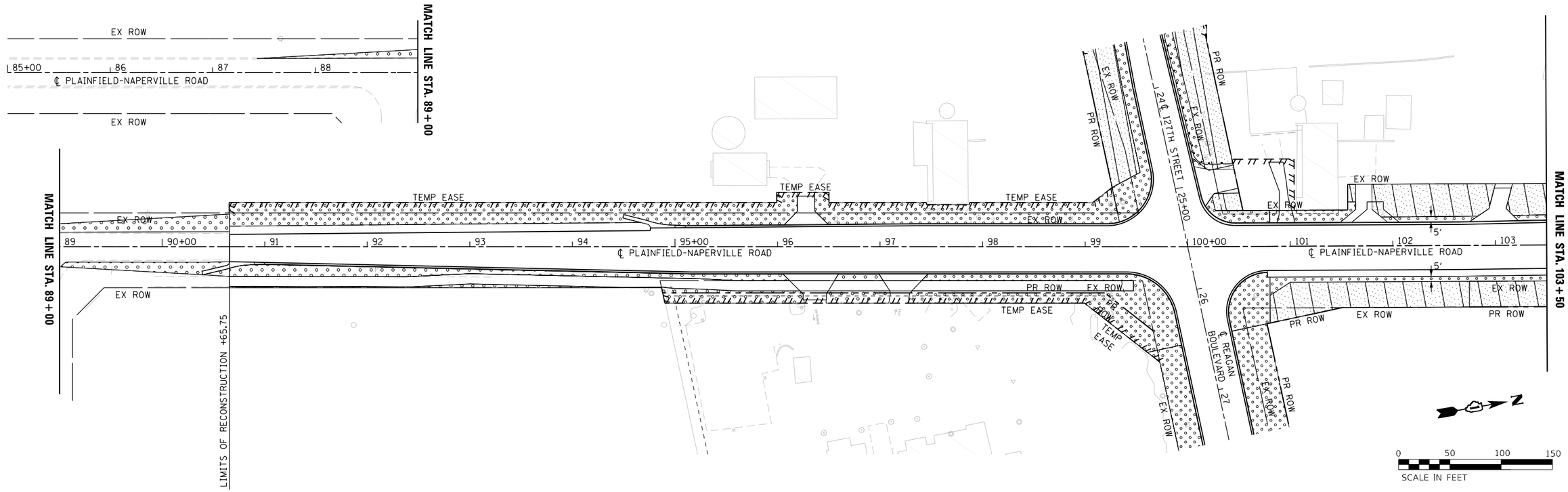
PROPOSED PAVEMENT MARKER LEGEND

- ▸ ONE-WAY AMBER MARKER @ 40' O.C.
- ▹ ONE-WAY CRYSTAL MARKER @ 40' O.C.
- ◂▸ TWO-WAY AMBER MARKER @ 40' O.C.

NOTE:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
2. ALL REFLECTIVE PAVEMENT MARKERS SHALL BE RECESSED. AND WILL BE PAID FOR AS RECESSED REFLECTIVE PAVEMENT MARKER.

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD PAVEMENT MARKING & SIGNING	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	56
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=50' SHEET NO.2 OF2 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT		



LANDSCAPING LEGEND

SEEDING, CLASS 2A (25000210)
EROSION CONTROL BLANKET (25100630)•

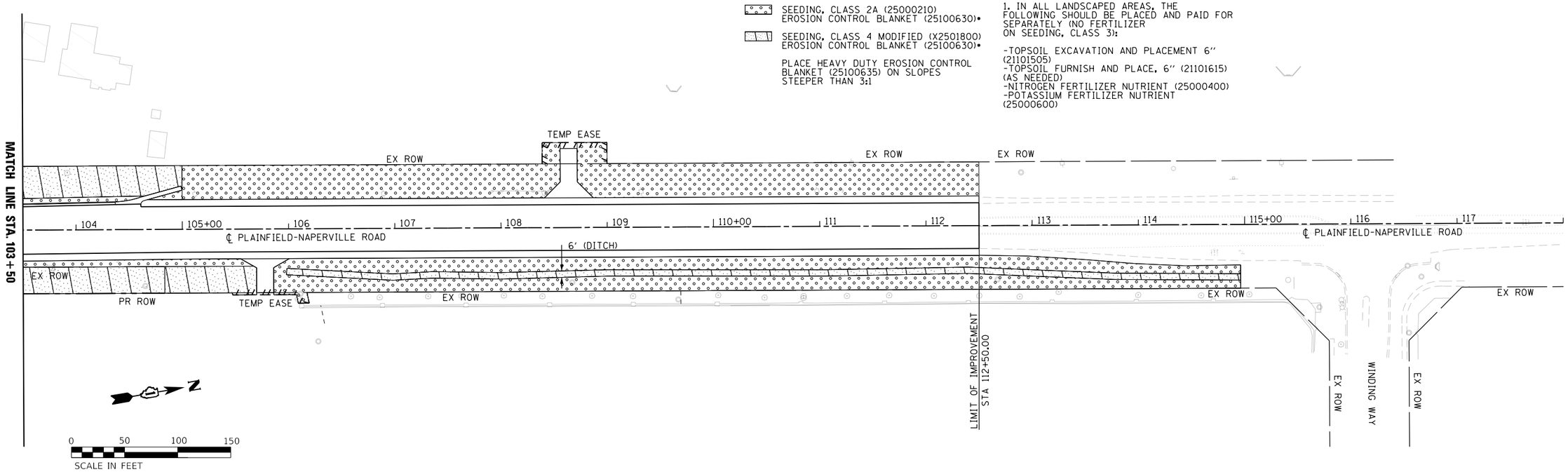
SEEDING, CLASS 4 MODIFIED (X2501800)
EROSION CONTROL BLANKET (25100630)•

PLACE HEAVY DUTY EROSION CONTROL BLANKET (25100635) ON SLOPES STEEPER THAN 3:1

LANDSCAPING NOTES

1. IN ALL LANDSCAPED AREAS, THE FOLLOWING SHOULD BE PLACED AND PAID FOR SEPARATELY (NO FERTILIZER ON SEEDING, CLASS 3):

-TOPSOIL EXCAVATION AND PLACEMENT 6" (21101505)
-TOPSOIL FURNISH AND PLACE, 6" (21101615) (AS NEEDED)
-NITROGEN FERTILIZER NUTRIENT (25000400)
-POTASSIUM FERTILIZER NUTRIENT (25000600)



FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD LANDSCAPING PLAN
		DRAWN - GG	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=50' SHEET NO.1 OF2 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	57
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		

LANDSCAPING LEGEND

SEEDING, CLASS 2A (25000210)
EROSION CONTROL BLANKET (25100630)•

SEEDING, CLASS 4 MODIFIED (X2501800)
EROSION CONTROL BLANKET (25100630)•

PLACE HEAVY DUTY EROSION CONTROL BLANKET (25100635) ON SLOPES STEEPER THAN 3:1

LANDSCAPING NOTES

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-TOPSOIL EXCAVATION AND PLACEMENT 6" (21101505)
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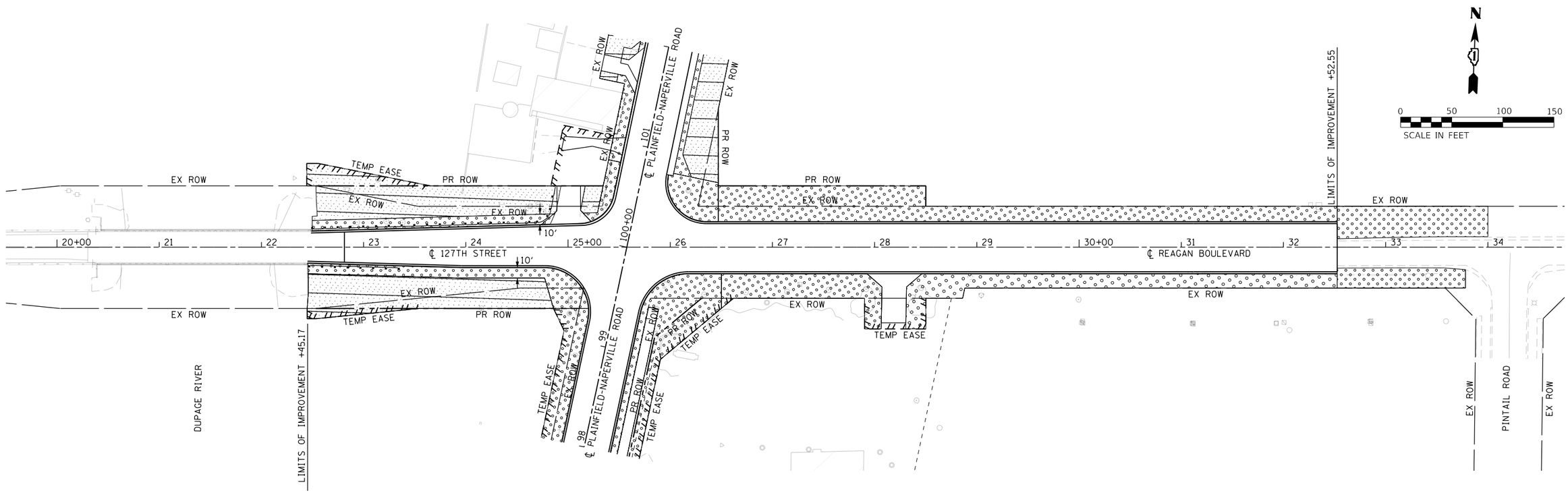


FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD LANDSCAPING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	58
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=50' SHEET NO.2 OF2 SHEETS STA. N/A TO STA. N/A		ILLINOIS FED. AID PROJECT			

GEOTECHNICAL NOTES FOR TRAFFIC SIGNAL WORK

BASED ON THE SOILS ENCOUNTERED IN THE BORINGS, WE BELIEVE THAT THE TRAFFIC SIGNAL FOUNDATIONS CAN BE DESIGNED USING THE STANDARD DETAILS, HOWEVER, THE DRILLED SHAFT FOUNDATIONS FOR THE STRUCTURES WILL EXTEND DEEPER THAN THE SOIL INFORMATION OBTAINED FROM THE BORINGS. IF SOILS THAT DO NOT MEET THE REQUIREMENTS IN THE NOTES OF THE STANDARD DETAILS ARE ENCOUNTERED DURING CONSTRUCTION, THE DESIGN TEAM SHOULD BE CONTACTED TO EVALUATE WHETHER A DEEPER FOUNDATION SHAFT IS NECESSARY. SHALLOW BEDROCK WAS ENCOUNTERED IN THE BRIDGE BORINGS AND SEVERAL OF THE ROADWAY BORINGS ENCOUNTERED REFUSAL AT DEPTHS CLOSE TO THE DRILLED SHAFT DEPTHS FOR THE TRAFFIC SIGNAL STRUCTURES.

THE DRILLED SHAFT CONSTRUCTION SHOULD BE COMPLETED IN ACCORDANCE WITH GBSP86 OF THE IDOT GUIDE BRIDGE SPECIAL PROVISIONS. THIS WORK SHALL BE PAID FOR AS CONCRETE FOUNDATION. THE CONTRACTOR SHOULD REVIEW THE ATTACHED BORING LOGS, EVALUATE THE SOIL AND BEDROCK CONDITIONS AND DEPTHS, AND DETERMINE THE MEANS AND METHODS NECESSARY FOR CONSTRUCTION. SHOULD THE SOILS ENCOUNTERED DURING THE FOUNDATION EXCAVATION FAIL TO MEET THE REQUIREMENTS OF THE STANDARD DETAIL, THE DISTRICT GEOTECHNICAL ENGINEER SHOULD BE CONTACTED TO DETERMINE IF A REVISED FOUNDATION DESIGN WILL BE REQUIRED.

NOTES:

1. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

2. ALL TRAFFIC SIGNAL POSTS, MAST ARM ASSEMBLIES AND POLES SHALL BE PAINTED BLACK.

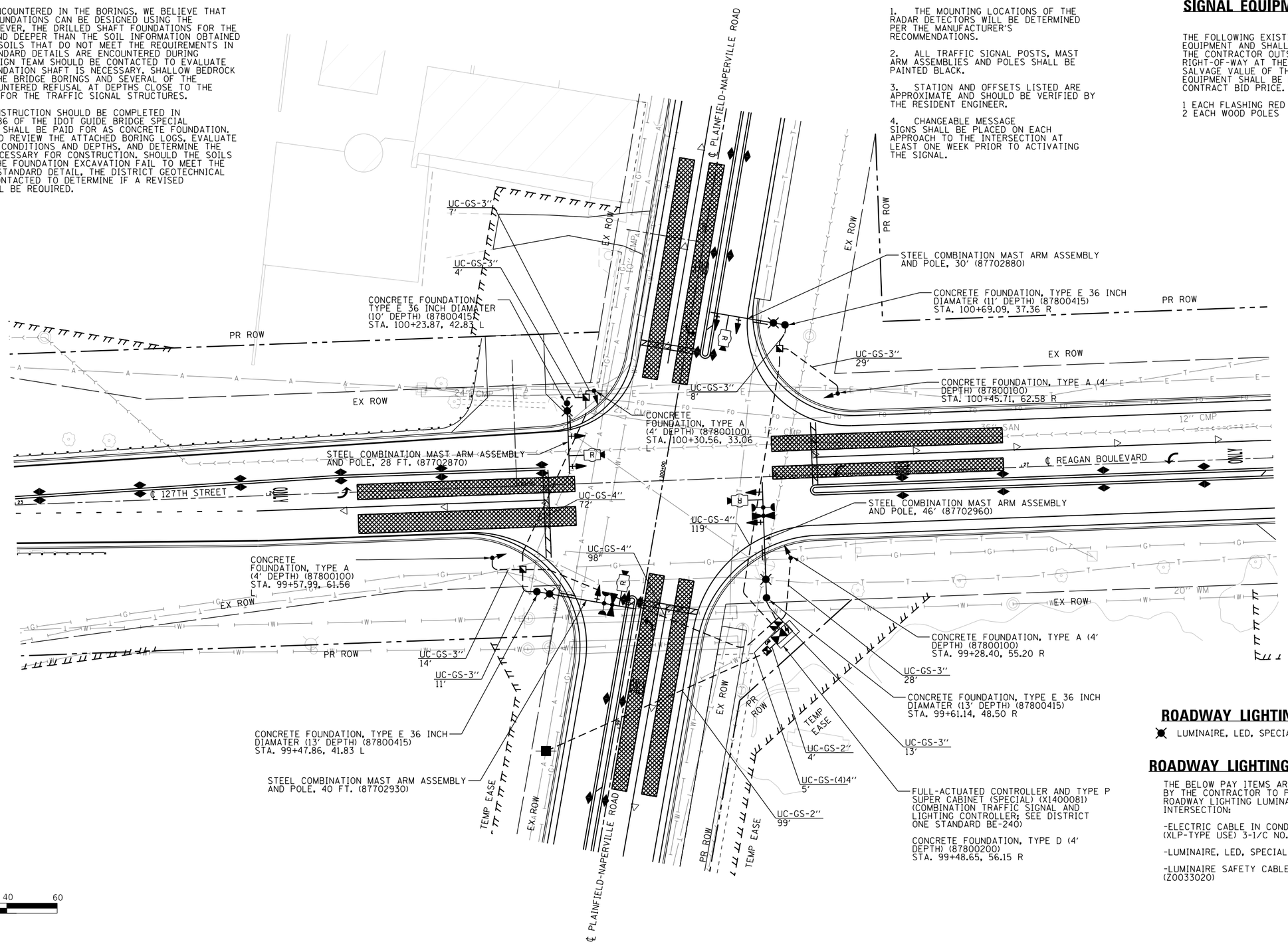
3. STATION AND OFFSETS LISTED ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE RESIDENT ENGINEER.

4. CHANGEABLE MESSAGE SIGNS SHALL BE PLACED ON EACH APPROACH TO THE INTERSECTION AT LEAST ONE WEEK PRIOR TO ACTIVATING THE SIGNAL.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT 1 EACH

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT AND SHALL BE DISPOSED OF BY THE CONTRACTOR OUTSIDE OF THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THEIR CONTRACT BID PRICE.

1 EACH FLASHING RED SIGNAL HEAD
2 EACH WOOD POLES



ROADWAY LIGHTING LEGEND

LUMINAIRE, LED, SPECIAL (X1400238)

ROADWAY LIGHTING PAY ITEMS

THE BELOW PAY ITEMS ARE TO BE USED BY THE CONTRACTOR TO POWER THE ROADWAY LIGHTING LUMINARES AT THE INTERSECTION:

-ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0 (81702460)

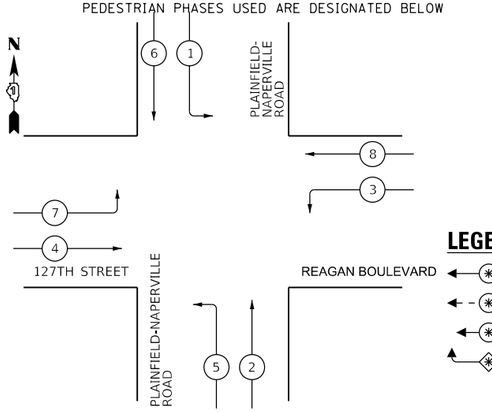
-LUMINAIRE, LED, SPECIAL (X1400238)

-LUMINAIRE SAFETY CABLE ASSEMBLY (Z0033020)

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD PROPOSED TRAFFIC SIGNAL INSTALLATION	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	59
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=20' SHEET NO.1 OF10 SHEETS STA. N/A TO STA. N/A		ILLINOIS FED. AID PROJECT			

PROPOSED CONTROLLER SEQUENCE

REFERING TO IDOT HIGHWAY STANDARD 857001. THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW

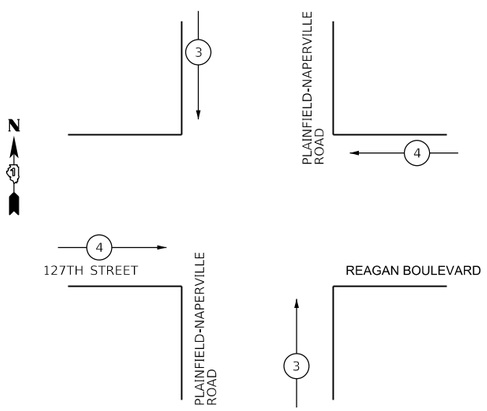


LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

PROPOSED PHASE DESIGNATION DIAGRAM

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS

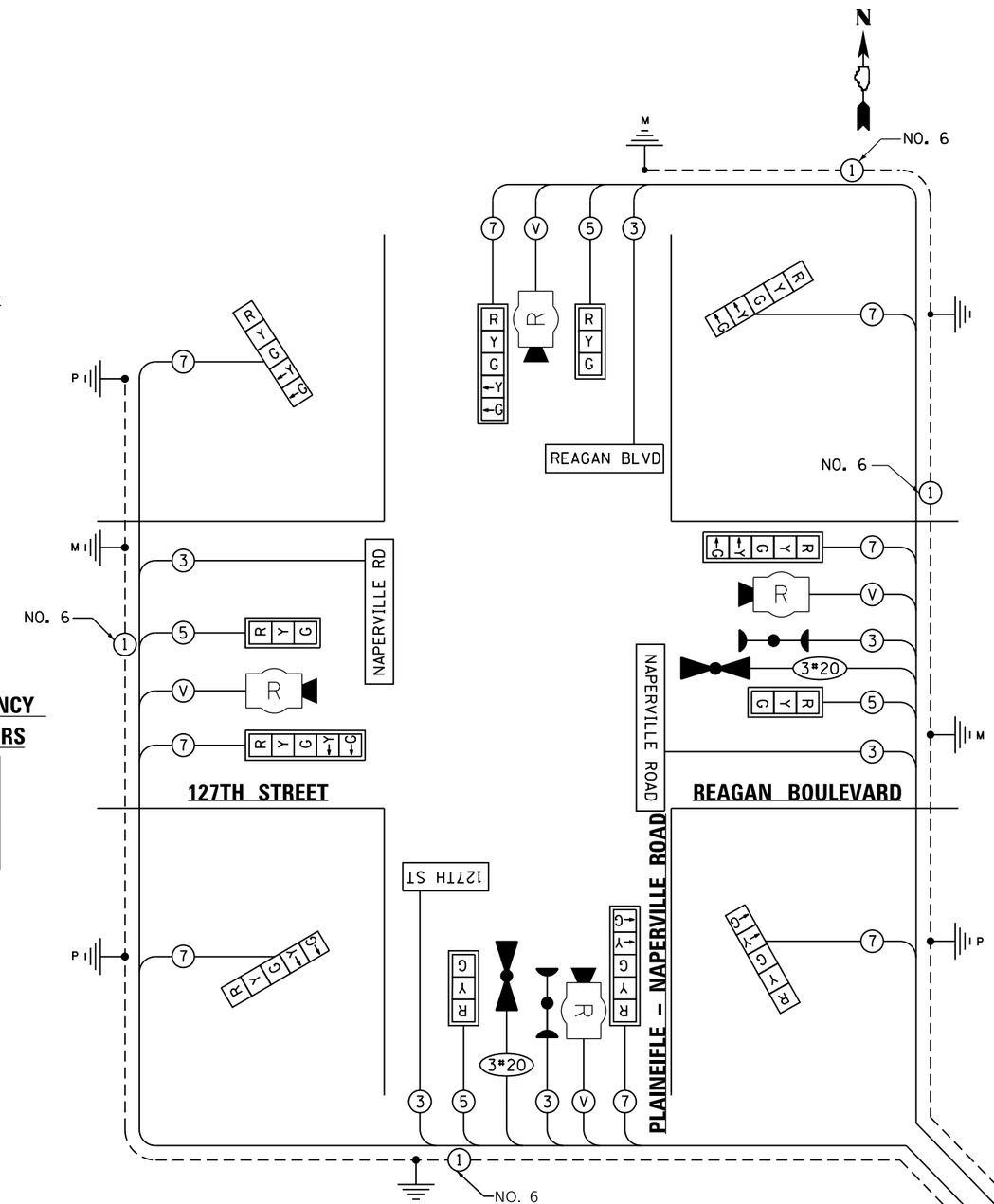
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑↓	→ ←

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

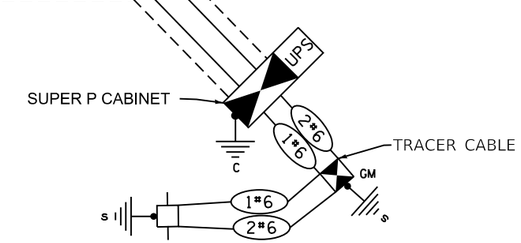
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE L.E.D.	OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	--	11	0.50	66.0
SIGNAL (YELLOW)	12	--	20	0.05	12.0
SIGNAL (GREEN)	12	--	12	0.45	64.8
ARROW	16	--	10	0.10	16.0
PED. SIGNAL	--	--	20	1.00	--
CONTROLLER	1	--	100	1.00	100.0
LUMINAIRE	--	--	--	--	--
ST. NAME SIGN	4	--	120	0.50	240.0
VIDEO SYSTEM	--	--	150	1.00	--
UPS	1	--	25	1.00	25.0
BLANK-OUT SIGN	--	--	25	0.05	--
				TOTAL=	523.8

ENERGY COSTS TO - BILLED TO: VILLAGE OF PLAINFIELD
ADDRESS: 14400 S. COIL PLUS DRIVE
PLAINFIELD, ILLINOIS 60544

ENERGY SUPPLY - CONTACT:
PHONE:
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER:



CABLE PLAN



RESTORATION OF WORK

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.

NOTES

ALL TRAFFIC SIGNAL POSTS, MAST ARM ASSEMBLIES AND POLES SHALL BE PAINTED BLACK.

CHANGEABLE MESSAGE SIGNS SHALL BE PLACED ON ALL LEGS OF THIS INTERSECTION AT LEAST ONE WEEK PRIOR TO TURNING ON THE SIGNAL.

MATERIAL SUBMITTALS FOR THIS SIGNAL SHALL BE REVIEWED BY THE VILLAGE OF PLAINFIELD OR THEIR AUTHORIZED REPRESENTATIVE PRIOR TO BEING SUBMITTED TO LOCAL ROADS FOR REVIEW.

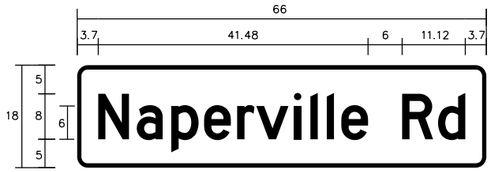
FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

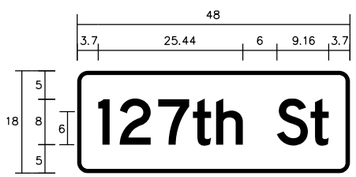
PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CABLE PLAN, PHASE DIAGRAM, AND EMERGENCY PREEMPTION SEQUENCE

SCALE: NTS | SHEET NO.2 OF10 SHEETS | STA. N/A TO STA. N/A

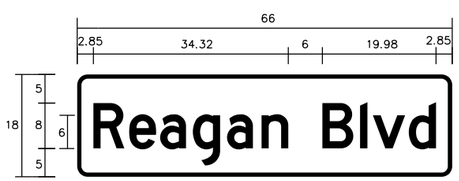
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	60
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		



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	6	1	ZZ	2



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

SCHEDULE OF QUANTITIES

81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	103
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	114
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	309
81400100	HANDHOLE	EACH	3
81400300	DOUBLE HANDHOLE	EACH	1
81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	757
85100500	PAINT NEW TRAFFIC SIGNAL POST	EACH	4
85100800	PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
85100901	PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	2
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	294
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	730
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1418
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	164
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	632
87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	4
87702870	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	47.5
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	282
X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	4
X1400238	LUMINAIRE, LED, SPECIAL	EACH	4
X1400424	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	704
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	T	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H H	H H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G Y G R Y G Y G P	R Y G Y G R Y G Y G P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G Y G R Y G Y G R Y G Y G P RB	R Y G Y G R Y G Y G R Y G Y G P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

FILE NAME =

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PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -	

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
DETAIL SHEETS

SCALE: NTS | SHEET NO.4 OF10 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	62
		CONTRACT NO. 61J25		
		ILLINOIS	FED. AID PROJECT	

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

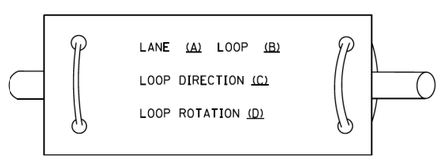
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

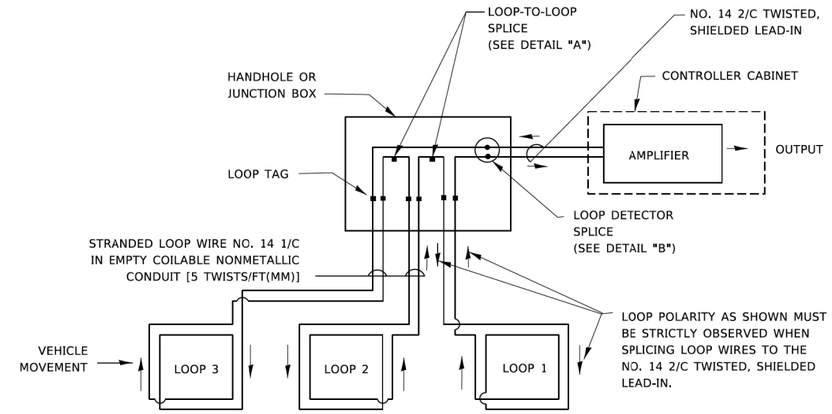
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

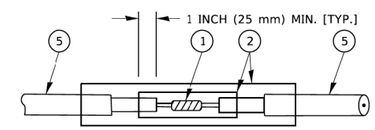


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

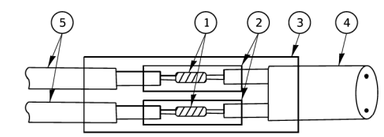


DETECTOR LOOP WIRING SCHEMATIC

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

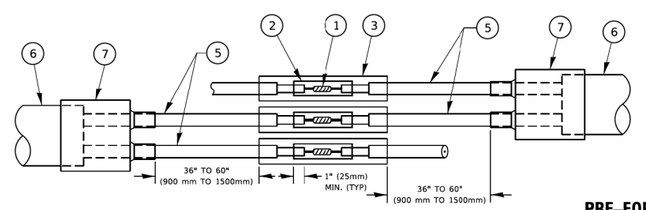


DETAIL "A"
LOOP-TO-LOOP SPLICE



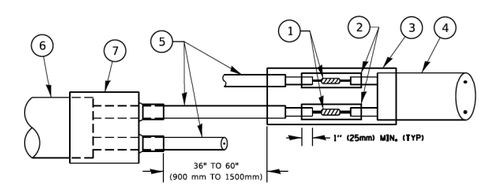
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

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	DRAWN -	REVISED -							
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -				TS-05	CONTRACT NO.		
PLOT DATE = 3/4/2019	DATE -	REVISED -		SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

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		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	63
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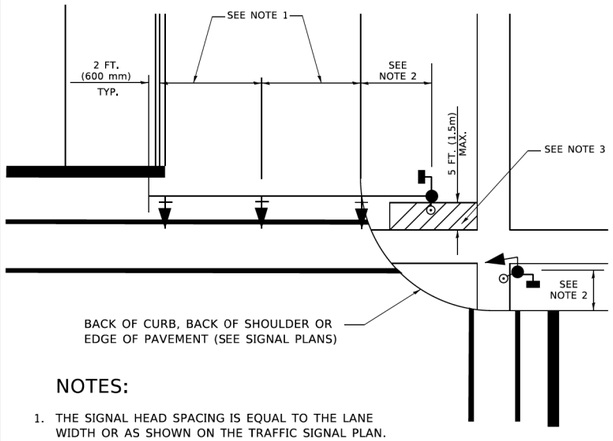
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: NTS SHEET NO.5 OF10 SHEETS STA. N/A TO STA. N/A		ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

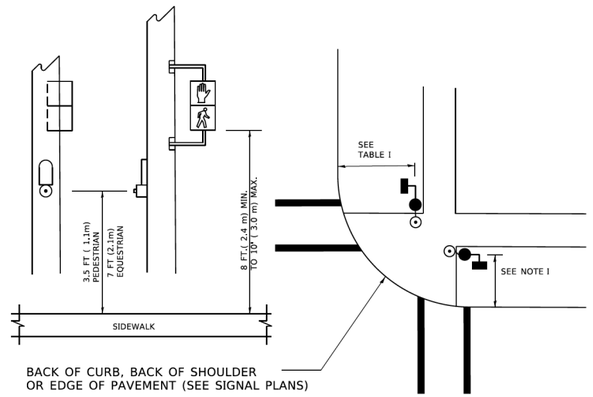
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

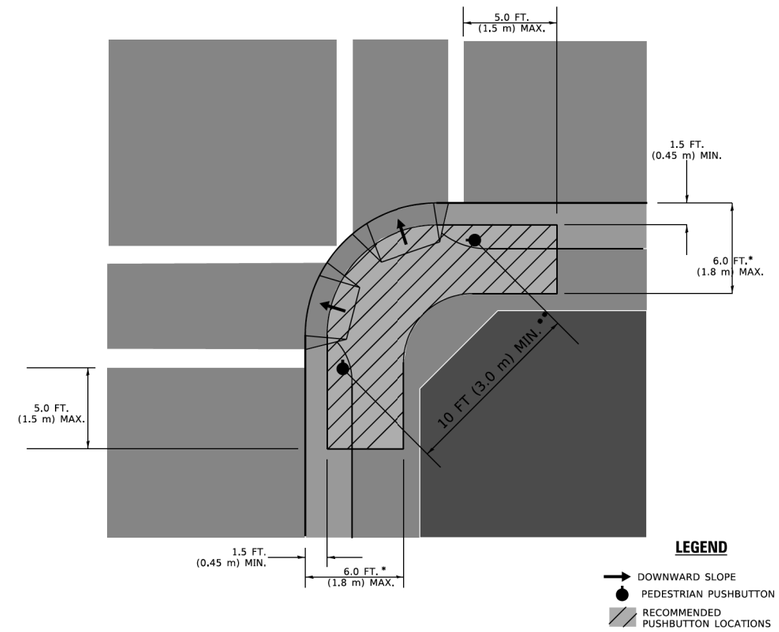
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

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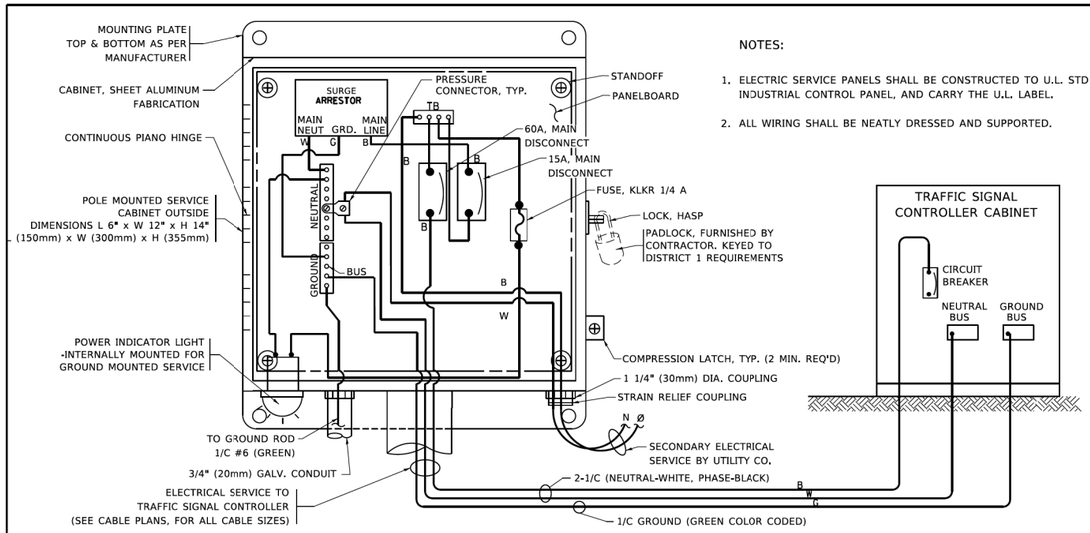
PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -	

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
DETAIL SHEETS

SCALE: NTS | SHEET NO.6 OF10 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	64
		CONTRACT NO. 61J25		
	ILLINOIS	FED. AID PROJECT		



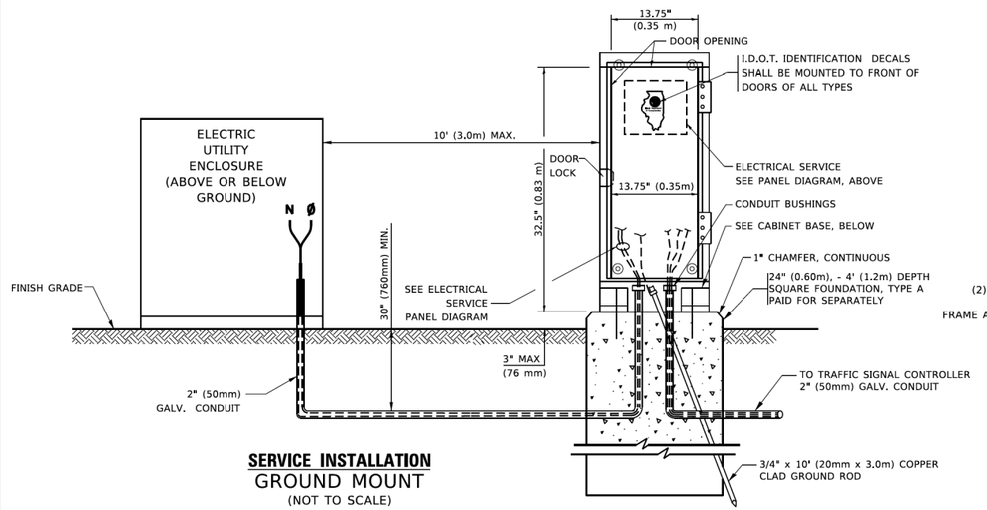
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

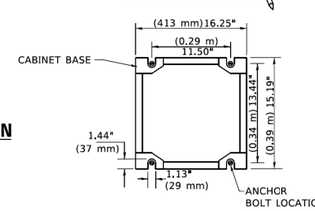
(NOT TO SCALE)



SERVICE INSTALLATION

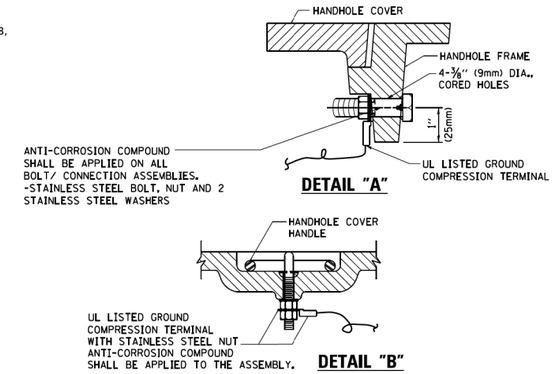
GROUND MOUNT

(NOT TO SCALE)



CABINET – BASE BOLT PATTERN

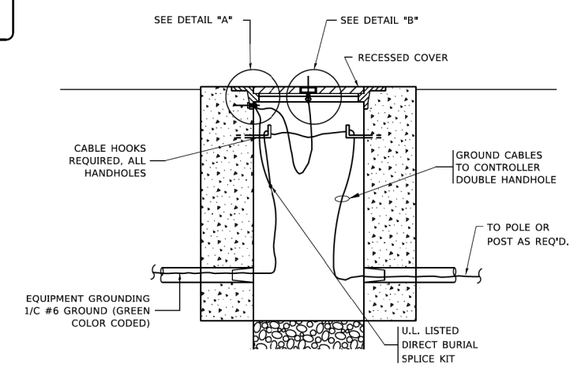
(NOT TO SCALE)



NOTES:

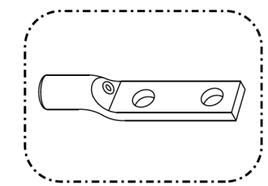
GROUNDING SYSTEM

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.

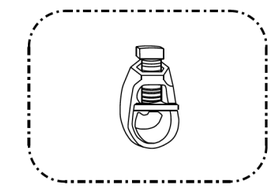


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



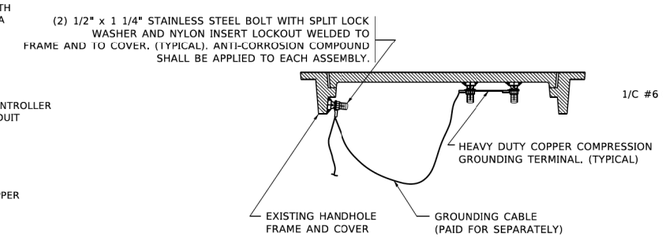
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

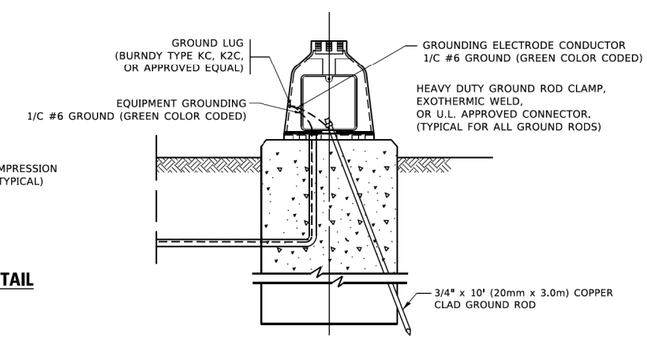
NOTES:

- 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.



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

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		DRAWN -	REVISED -						
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	PLOT DATE = 3/4/2019	DATE -	REVISED -		SCALE: NONE / SHEET 4 OF 7 SHEETS / STA. TO STA.		ILLINOIS	FED. AID PROJECT	

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	DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	65
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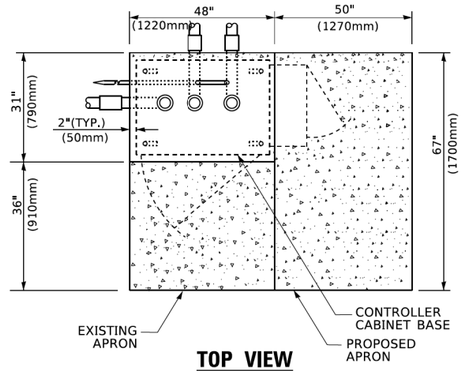
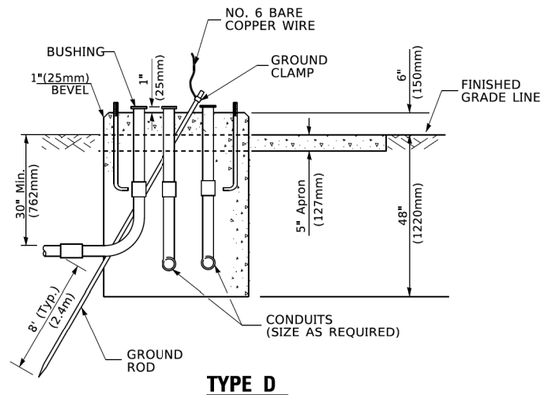
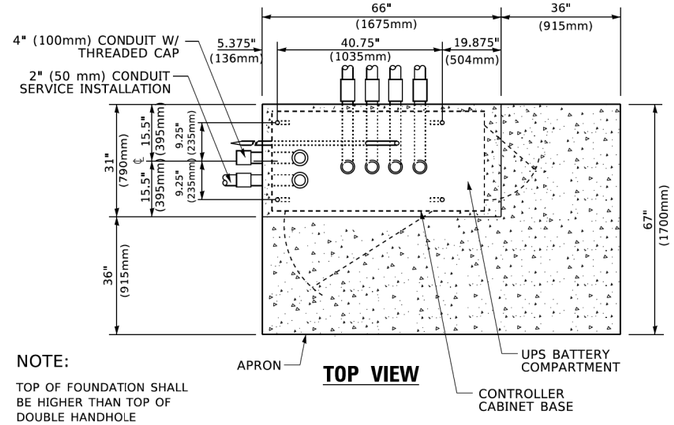
PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: NTS / SHEET NO.7 OF10 SHEETS / STA. N/A TO STA. N/A			ILLINOIS	FED. AID PROJECT	



TOP VIEW



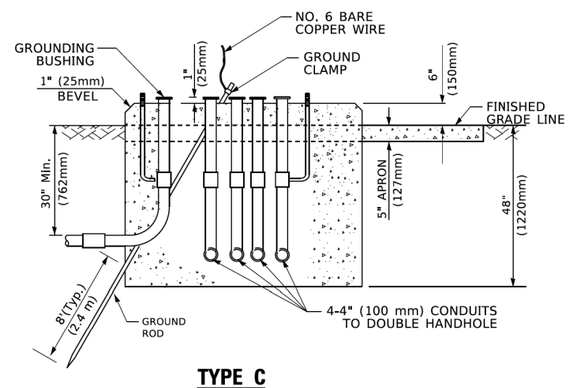
TYPE D
FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



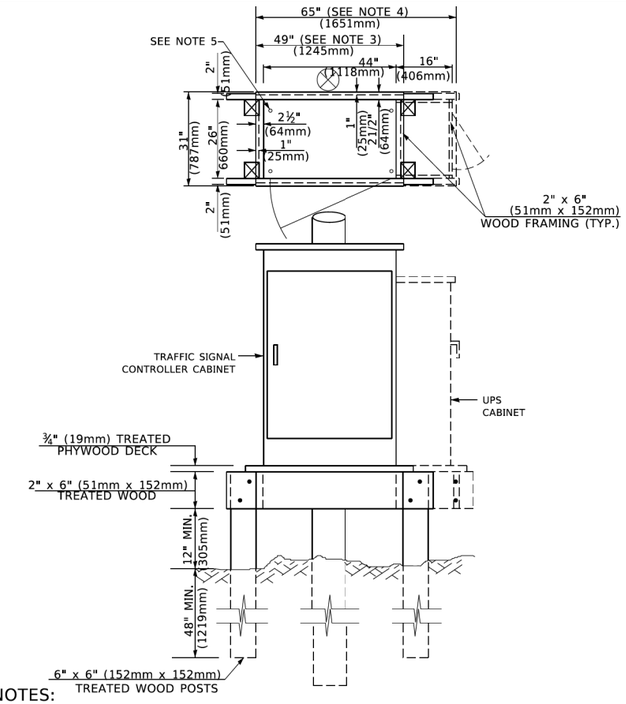
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



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)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

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VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
DETAIL SHEETS

SCALE: NTS | SHEET NO.8 OF10 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 61J25		
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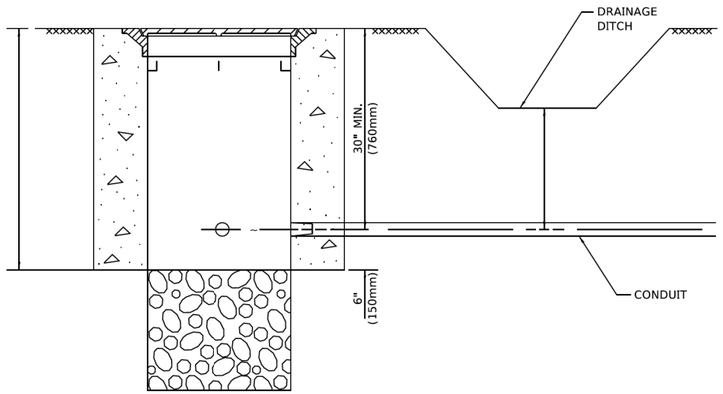
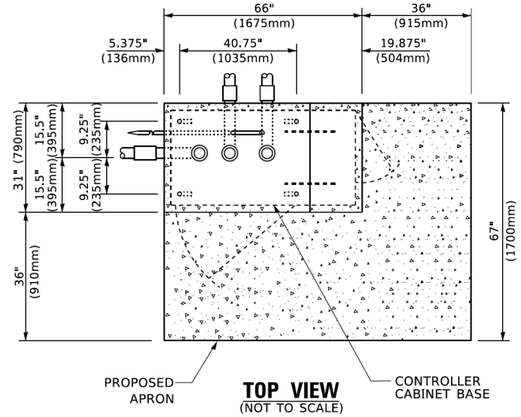


NOTES:

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.

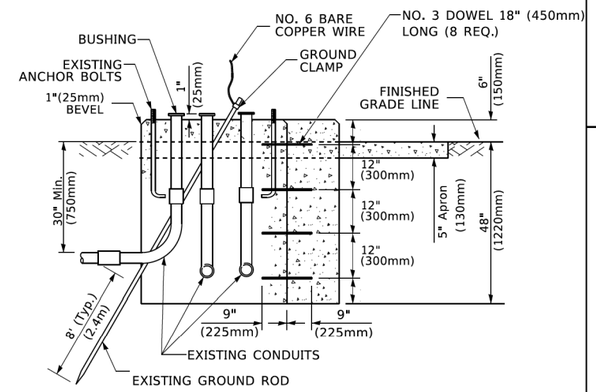
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



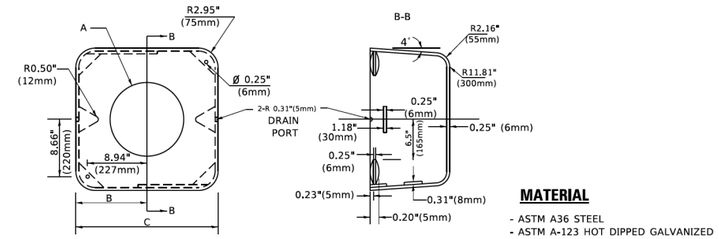
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



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)

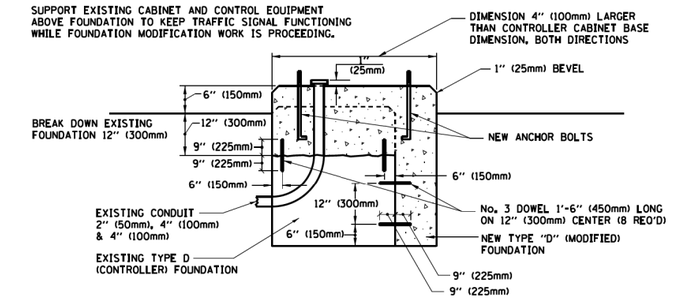
SHROUD

NOTES:

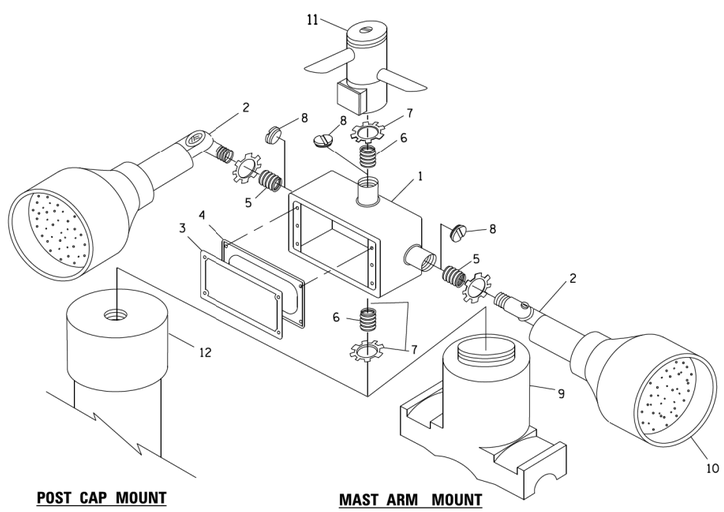
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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



POST CAP MOUNT

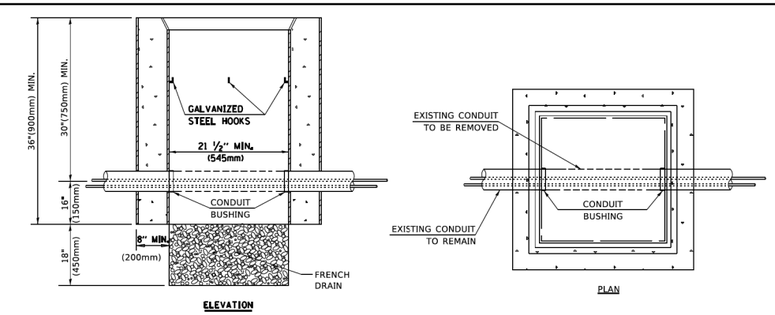
MAST ARM MOUNT

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	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(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



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

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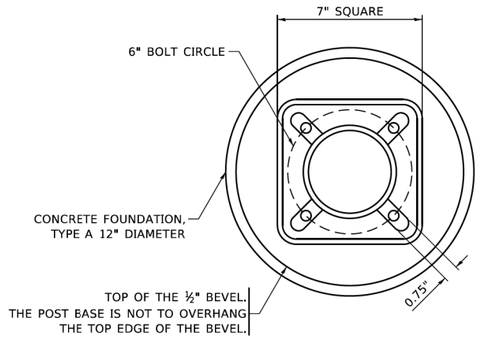
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. TO STA.

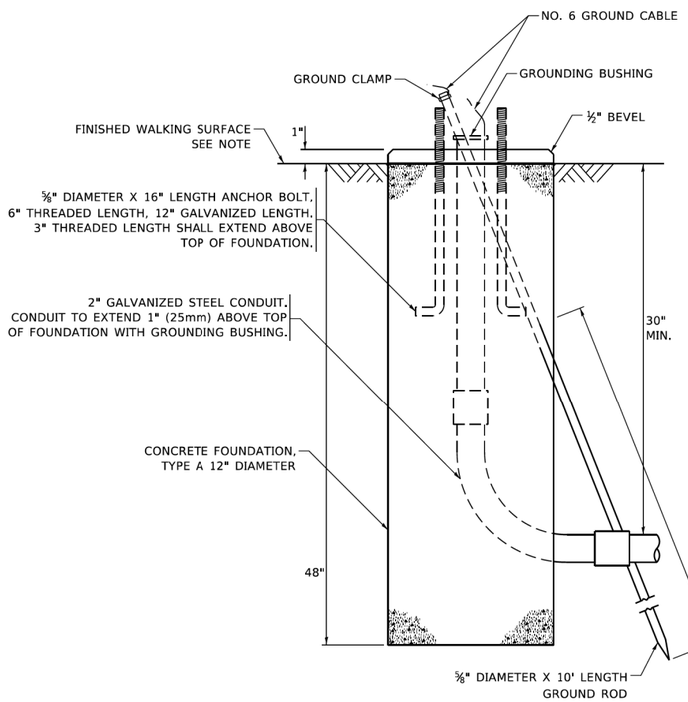
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05	CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



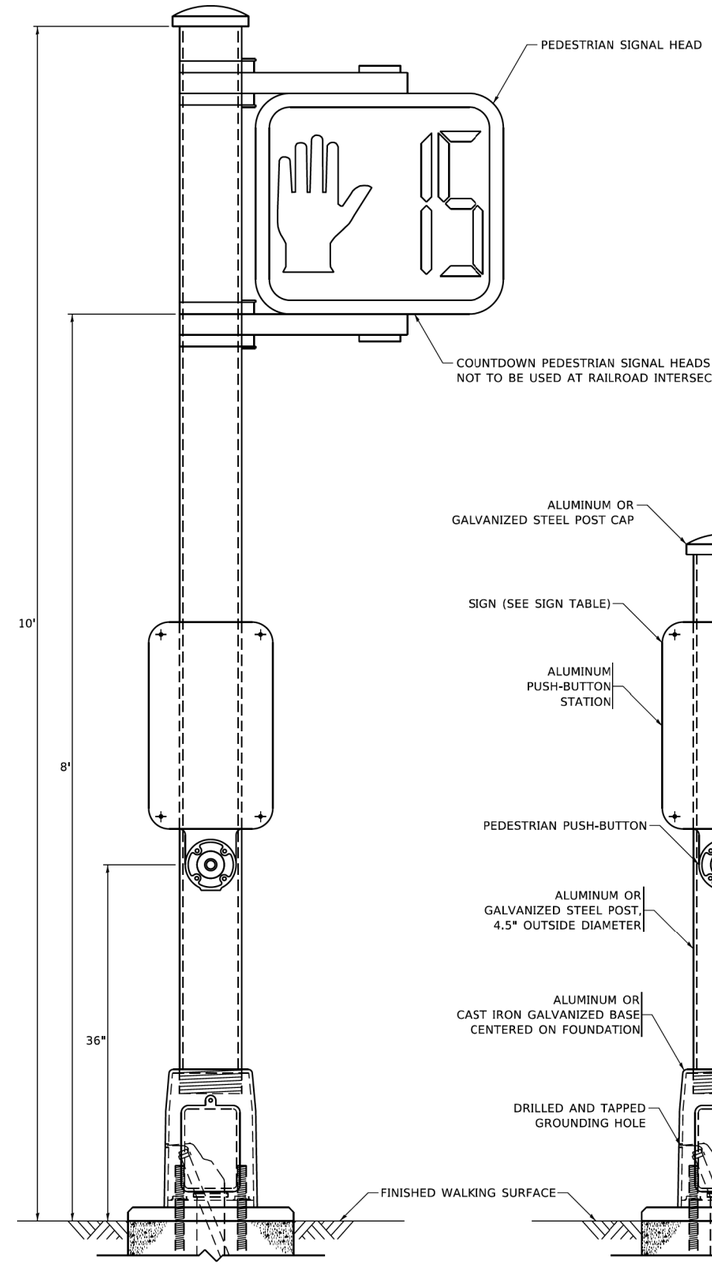
BOLT PATTERN

NOTE:

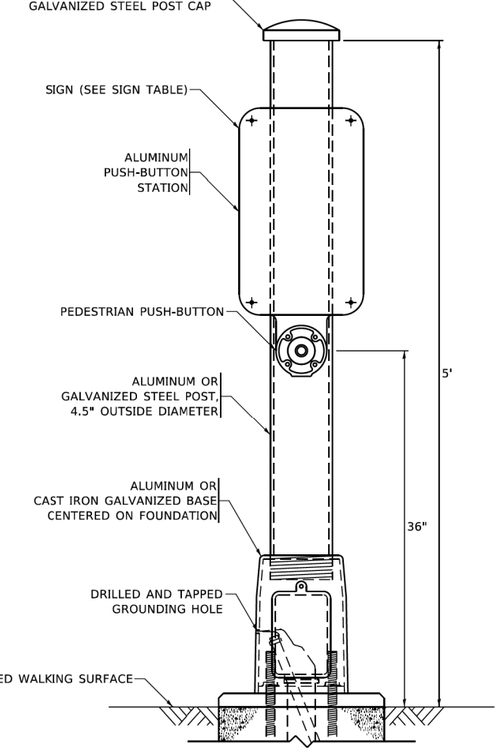
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.

R10–3b **R10–3d** **R10–3e**

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

MODEL: Default
FILE NAME: pw:\\danroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1R15\d272x34\CADData\CADSheets\ts05.dgn

USER NAME = gagllanobt	DESIGNED - IP	REVISED - 10-15-2020	
	DRAWN - IP	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - LP	REVISED -	
PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TS–05		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
DETAIL SHEETS

SCALE: NTS | SHEET NO.10 OF10 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	68
		CONTRACT NO. 61J25		
	ILLINOIS	FED. AID PROJECT		

SS-2

Page: 1 of 1

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

STRUCTURE FOUNDATION BORING LOG

Project: 127th and Naperville Plainfield Road Geotechnical Investigation — GSI Job No.: 06133
Location: Plainfield, Illinois — Date: 11/07/06
County: Will — Bored By: DR
Client: H.W. Lochner — Checked By: AJP

BORING No.: SS-2
Station: 25+10
Offset: 10' Rt.
Ground Surface Elevation: 630.2

Surface Water Elev.: n/a
Groundwater Elevation: n/a ▼
Groundwater Elevation: n/a ▽
After Hours: n/a ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				6" ASPHALT 6" CRUSHED STONE
	5 10 21	2.5P	14	CLAY-brown,gray & black- very stiff (A-6) Fill
	4 4 5	2.8P	20	
-5				
	4 7 7	3.5P	22	SILTY CLAY-brown & gray- stiff to very stiff (A-6) Fill
	3 4 4	1.3P	23	
-10				End Of Boring @ -10.0' Hollow Stem Augers CME-55 Automatic Hammer
-15				
-20				
-25				

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-30			
-35			
-40			
-45			
-50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

NOTE:
STATION/OFFSET FOR SS-2 IS
TO ℄ OF 127TH STREET

SS-3

Page: 1 of 1

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

STRUCTURE FOUNDATION BORING LOG

Project: 127th and Naperville Plainfield Road Geotechnical Investigation — GSI Job No.: 06133
Location: Plainfield, Illinois — Date: 11/10/06
County: Will — Bored By: DR
Client: H.W. Lochner — Checked By: AJP

BORING No.: SS-3
Station: 93+36
Offset: 6' Rt.
Ground Surface Elevation: 620.5

Surface Water Elev.: n/a
Groundwater Elevation: n/a ▼
Groundwater Elevation: n/a ▽
After Hours: n/a ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				9" ASPHALT 5" CONCRETE
	2 3 3	1.8P	26	CLAY-brown- stiff (A-6) Fill
	9 9 50/3	NP	8	Auger Refusal @ -4.0' End Of Boring @ -4.0' Hollow Stem Augers CME-55 Automatic Hammer
-5				
-10				
-15				
-20				
-25				

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-30			
-35			
-40			
-45			
-50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SS-4

Page: 1 of 1

Geo Services, Inc.
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(630) 355-2838

STRUCTURE FOUNDATION BORING LOG

Project: 127th and Naperville Plainfield Road Geotechnical Investigation — GSI Job No.: 06133
Location: Plainfield, Illinois — Date: 11/06/06
County: Will — Bored By: DR
Client: H.W. Lochner — Checked By: AJP

BORING No.: SS-4
Station: 96+86
Offset: 16' Lt.
Ground Surface Elevation: 625.5

Surface Water Elev.: n/a
Groundwater Elevation: n/a ▼
Groundwater Elevation: n/a ▽
After Hours: n/a ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				4" CRUSHED STONE
	3 3 3	1.8P	34	TOPSOIL- brown & black (Fill)
	2 2 2	0.8P	12	SILTY CLAY LOAM-brown- medium stiff (A-6) Fill
	6 7 9	NP	11	SAND & GRAVEL-brown- Medium Dense (A-1-b) Fill
	50/3			Auger Refusal @ -9.0'
-10		NP	8	End Of Boring @ -9.0' Hollow Stem Augers CME-55 Automatic Hammer
-15				
-20				
-25				

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-30			
-35			
-40			
-45			
-50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SS-5

Geo Services, Inc.
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Naperville, Illinois 60565
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STRUCTURE FOUNDATION BORING LOG

Page: 1 of 1

Project: 127th and Naperville Plainfield Road Geotechnical Investigation — GSI Job No.: 06133
Location: Plainfield, Illinois — Date: 11/07/06
County: Will — Bored By: DR
Client: H.W. Lochner — Checked By: AJP

BORING No.: SS-5
Station: 100+28
Offset: 10' Rt.
Ground Surface Elevation: 631.3

Surface Water Elev.: n/a
Groundwater Elevation: n/a ▼
Groundwater Elevation: n/a ▽
After Hours: n/a ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				8" ASPHALT 4" CRUSHED STONE
	6		*129*	
	8 9	3.5B	10	
	7			SILTY CLAY LOAM– brown–hard (A–6) Fill
–5	7 8	>4.5P	17	
	12			
	14 15	NP	11	SANDY LOAM–brown– medium dense (A–4)
	12			
–10	14 15	NP	13	SILTY LOAM–brown– medium dense (A–4)
				End Of Boring @ –10.0' Hollow Stem Augers CME–55 Automatic Hammer
–15				
–20				
–25				

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–30			
–35			
–40			
–45			
–50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

SS-6

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
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Naperville, Illinois 60565
(630) 355-2838

STRUCTURE FOUNDATION BORING LOG

Page: 1 of 1

Project: 127th and Naperville Plainfield Road Geotechnical Investigation — GSI Job No.: 06133
Location: Plainfield, Illinois — Date: 11/10/06
County: Will — Bored By: DR
Client: H.W. Lochner — Checked By: AJP

BORING No.: SS-6
Station: 103+85
Offset: 6' Lt.
Ground Surface Elevation: 632.6

Surface Water Elev.: n/a
Groundwater Elevation: n/a ▼
Groundwater Elevation: n/a ▽
After Hours: n/a ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				10" ASPHALT 8" CRUSHED STONE
	9			
	7 5	3.8P	18	CLAY–gray– very stiff (A–6) Fill
	2			
–5	3 4	1.5P	22	CLAY–brown– stiff (A–6) Fill
	8			
	10 12	NP	6	FRACTURED ROCK– medium dense (A–1)
	10			
–10	10 7	NP	12	SILTY LOAM–brown– medium dense (A–4)
				End Of Boring @ –10.0' Hollow Stem Augers CME–55 Automatic Hammer
–15				
–20				
–25				

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–30			
–35			
–40			
–45			
–50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

SS-7

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
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Naperville, Illinois 60565
(630) 355-2838

STRUCTURE FOUNDATION BORING LOG

Page: 1 of 1

Project: 127th and Naperville Plainfield Road Geotechnical Investigation — GSI Job No.: 06133
Location: Plainfield, Illinois — Date: 11/10/06
County: Will — Bored By: DR
Client: H.W. Lochner — Checked By: AJP

BORING No.: SS-7
Station: 107+26
Offset: 6' Rt.
Ground Surface Elevation: 630.3

Surface Water Elev.: n/a
Groundwater Elevation: n/a ▼
Groundwater Elevation: n/a ▽
After Hours: n/a ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				10" ASPHALT 2" CRUSHED STONE
	5			
	3 5	2.0P	22	CLAY–gray– very stiff (A–6) Fill
	3		*97*	
–5	3 5	1.9B	25	CLAY–brown– stiff to very stiff (A–6) Fill, Wet
	2			
	3 3	3.0P	48	NOTE: Organic @–7.0'
	5			
–10	7 8	NP	12	SAND & GRAVEL–brown– medium dense (A–1–b) Fill
				End Of Boring @ –10.0' Hollow Stem Augers CME–55 Automatic Hammer
–15				
–20				
–25				

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–30			
–35			
–40			
–45			
–50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery

SS-8

Page: 1 of 1

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Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

STRUCTURE FOUNDATION BORING LOG

Project: 127th and Naperville Plainfield Road Geotechnical Investigation — GSI Job No.: 06133
Location: Plainfield, Illinois — Date: 11/06/06
County: Will — Bored By: DR
Client: H.W. Lochner — Checked By: AJP

BORING No.: SS-8
Station: 99+00
Offset: 20' Rt.
Ground Surface Elevation: 629.2

Surface Water Elev.: n/a
Groundwater Elevation: n/a
Groundwater Elevation: n/a
After Hours: n/a

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL- Fill		3		*108*
CLAY-brown & gray-hard (A-6) Fill		3 4	4.1B	20
		3		
	-5	7 9	4.3P	18
CLAY LOAM-brown-stiff (A-6)		7 9 6	1.8P	14
FRACTURED ROCK-medium dense (A-1)		5		
	-10	10 10	NP	5
End Of Boring @ -10.0' Hollow Stem Augers CME-55 Automatic Hammer				
	-15			
	-20			
	-25			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-30			
-35			
-40			
-45			
-50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

SS-9

Page: 1 of 1

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Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

STRUCTURE FOUNDATION BORING LOG

Project: 127th and Naperville Plainfield Road Geotechnical Investigation — GSI Job No.: 06133
Location: Plainfield, Illinois — Date: 11/07/06
County: Will — Bored By: DR
Client: H.W. Lochner — Checked By: AJP

BORING No.: SS-9
Station: 27+67
Offset: 0' Lt.
Ground Surface Elevation: 636.9

Surface Water Elev.: n/a
Groundwater Elevation: n/a
Groundwater Elevation: n/a
After Hours: n/a

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6" ASPHALT 6" CRUSHED STONE		5		
CLAY-brown-very stiff to hard (A-6) Fill		6 6	2.5P	30
		4		*112*
	-5	5 6	4.1B	15
		4		
		5 7	>4.5P	18
SILTY LOAM- brown-medium dense (A-4)		5 8		
	-10	16	NP	9
End Of Boring @ -10.0' Hollow Stem Augers CME-55 Automatic Hammer				
	-15			
	-20			
	-25			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
-30			
-35			
-40			
-45			
-50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

NOTE:
STATION/OFFSET FOR SS-9 IS
TO ℄ OF 127TH STREET

BR-4

Page: 1 of 2

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60565
(630) 355-2838

STRUCTURE FOUNDATION BORING LOG

Project: 127th and Naperville Plainfield Road Geotechnical Investigation — GSI Job No.: 06133
Location: Plainfield, Illinois — Date: Nov. 8, 2006
County: Will — Bored By: DR
Client: H.W. Lochner — Checked By: AJP

BORING No.: BR-4
Station: 22+62
Offset: 8' Rt.
Ground Surface Elevation: 625.4

Surface Water Elev.: n/a
Groundwater Elevation: n/a
Groundwater Elevation: n/a
After Hours: n/a

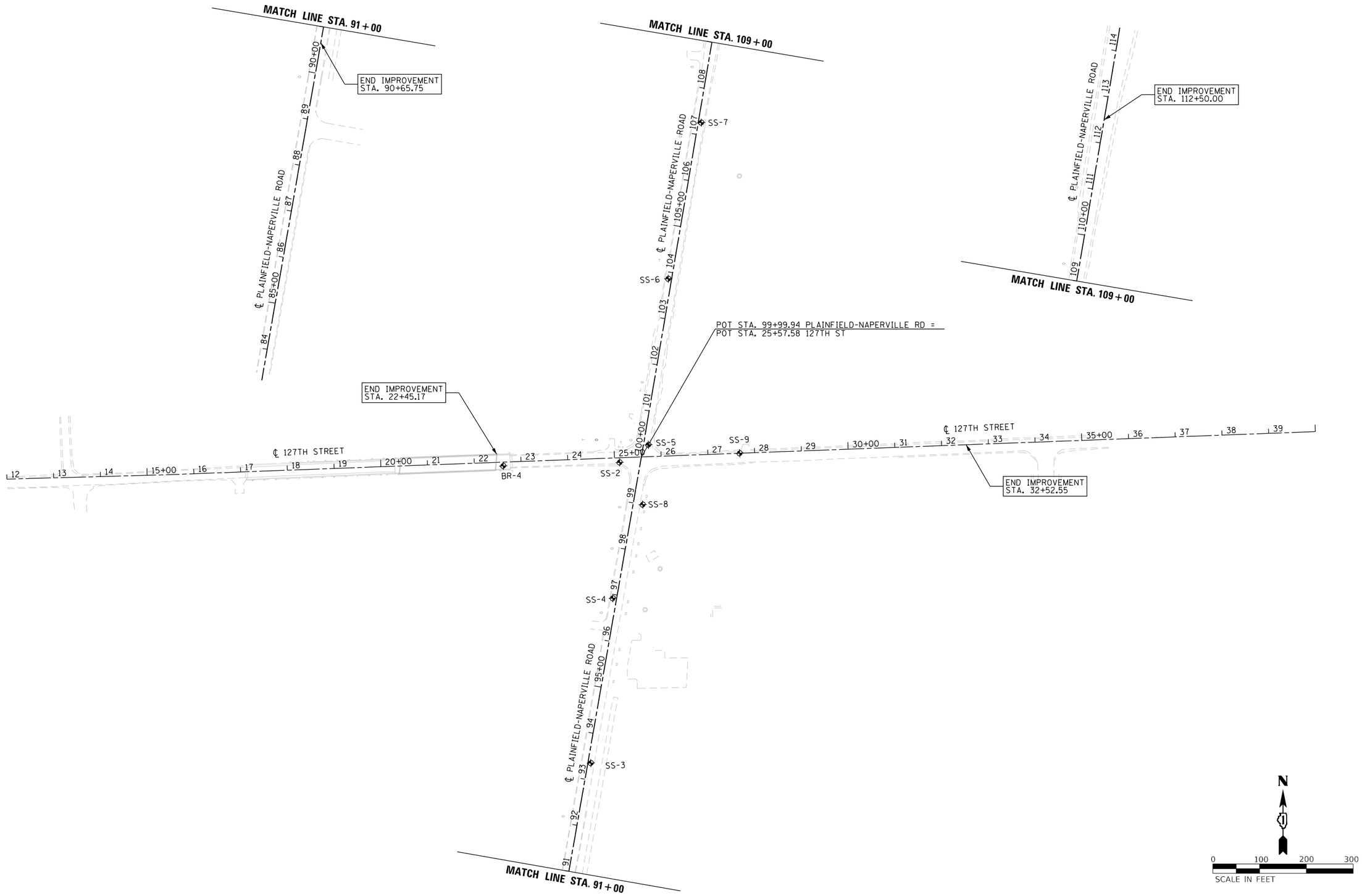
Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
8" Asphalt, 4" Concrete *624.4*		6		*99*
SILTY CLAY-brown and gray-stiff to very stiff (A-6) Fill		4 3	2.39B	25
		2		
	-5	3 5	1.75	31
		5		
		6 6	2.75P	22
617.4				
SILTY CLAY, TOPSOIL, SAND, GRAVEL with ORGANICS-medium stiff to very stiff (Fill)		3		
	-10	4 5	3.75P	24
		2		
		2 3	0.5P	25
611.9				
SILTY CLAY-brown-hard (A-6)		11 6		
	-15	5	4.0P	14
609.4				
SILTY CLAY LOAM-brown-stiff (A-6)		2 2		
		3	1.25P	24
607.4				
FRACTURED ROCK-gray-dense (A-1-a)		12 20		
	-20	26	NP	6
604.4				
WEATHERED BEDROCK		50/2"		
			NP	3
601.9				
Silurian System, Niagaran Series Dolomite RUN 1 (-23.5' to -33.5')	-25	RUN 1		

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Silurian System, Niagaran Series Dolomite RUN 1 (-23.5' to -33.5') Light gray and mottled brown, fine grained with horizontal bedding. Numerous horizontal fractures. transverse fractures from -33.2' to -33.5' Recovery=100.0% RQD=33.3%		RUN 1		
	-30			
Driller's Note: 100% Water Loss @ 23.5'				
End Of Boring @ -33.5' Hollow Stem Augers CME-55 Automatic Hammer *591.9*				
	-35			
	-40			
	-45			
	-50			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery

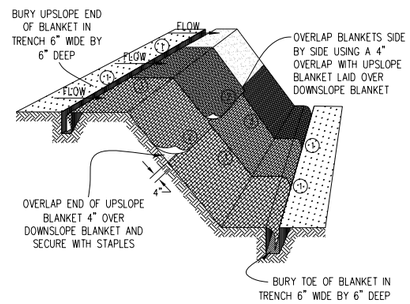
NOTE:
STATION/OFFSET FOR BR-4 IS
TO ℄ OF 127TH STREET

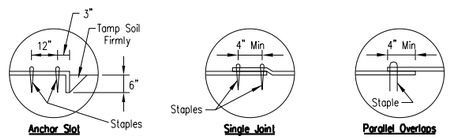
FILE NAME =	USER NAME = GGIFFORD	DESIGNED - JS	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD BORING LOGS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - JS	REVISED -			324	08-00044-00-WR	WILL	102 / 71
	PLOT SCALE = 0.1667 ' / in.	CHECKED - DS	REVISED -					CONTRACT NO. 61J25	
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: N/A / SHEET NO. 3 OF 4 SHEETS / STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT	



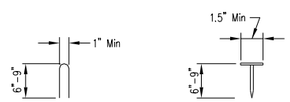
FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD BORING LOCATIONS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - GG	REVISED -					324	08-00044-00-WR	WILL	102 / 72
	PLOT SCALE = 200.0000 ' / in.	CHECKED - AM	REVISED -							CONTRACT NO. 61J25	
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=100'	SHEET NO.4 OF4 SHEETS	STA. N/A TO STA. N/A		ILLINOIS FED. AID PROJECT		

AUTOCAD2006





DETAIL 1 DETAIL 2 DETAIL 3



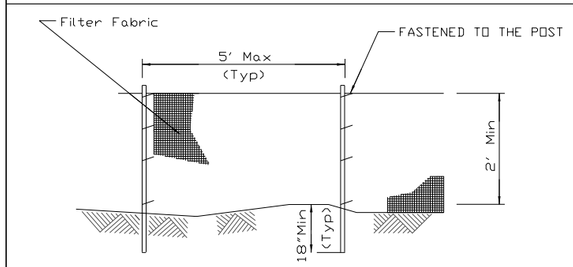
STAPLE DETAIL PUSH PIN DETAIL

NOTES:

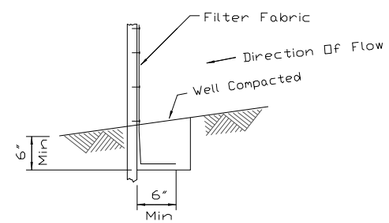
1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

Sheet 1 of 1 | Page No. IUM-620 Drawing No. | EROSION CONTROL BLANKET INSTALLATION DETAILS | Designed ____ Date ____ | Drawn B. JOHNSON 11/08 | Checked ____ | Approved ____

SILT FENCE PLAN



ELEVATION



FABRIC ANCHOR DETAIL

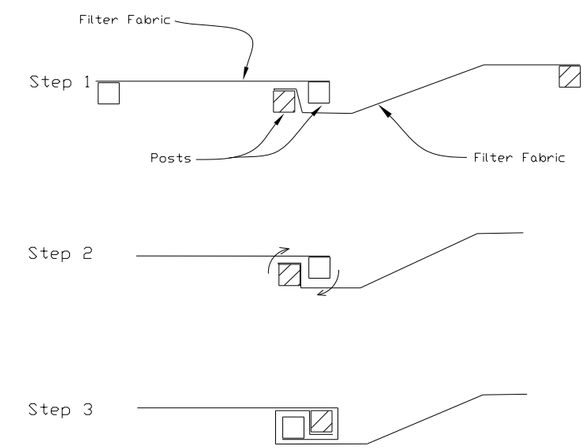
NOTES:

1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1, Class 2.
3. Fence posts shall be either standard steel post or wood post 2" x 2" nominal.

REFERENCE
Project ____
Designed ____ Date ____
Checked ____ Date ____
Approved ____ Date ____

STANDARD DWG. NO.
IUM-620A
SHEET 1 OF 2
DATE 04-15-2021

SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

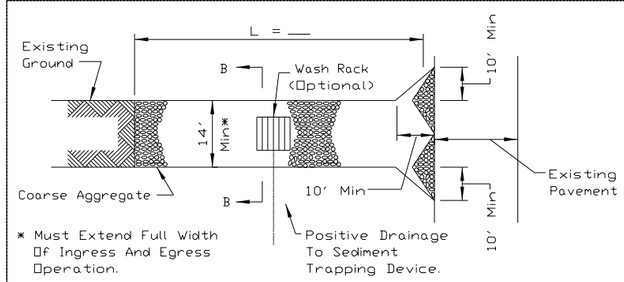
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE
Project ____
Designed ____ Date ____
Checked ____ Date ____
Approved ____ Date ____

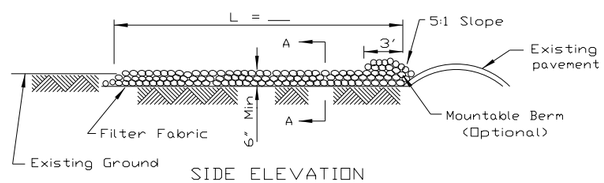
STANDARD DWG. NO.
IUM-620B(W)
SHEET 1 OF 1
DATE 3-16-2012

FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD MISCELLANEOUS DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102 / 73
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25	
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: N/A SHEET NO.1 OF14 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT	

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



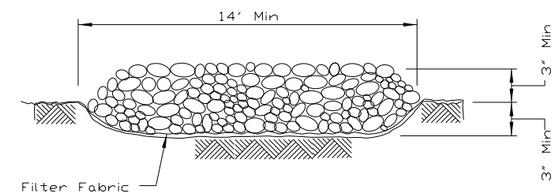
SIDE ELEVATION

NOTES:

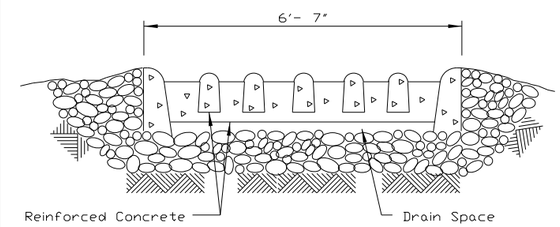
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE		STANDARD DWG. NO.
Project		IL-630
Designed ____ Date ____	NRCS Natural Resources Conservation Service	SHEET 1 OF 2
Checked ____ Date ____		DATE 8-18-94
Approved ____ Date ____		

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



SECTION B-B

REFERENCE		STANDARD DWG. NO.
Project		IL-630
Designed ____ Date ____	NRCS Natural Resources Conservation Service	SHEET 2 OF 2
Checked ____ Date ____		DATE 8-18-94
Approved ____ Date ____		

FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

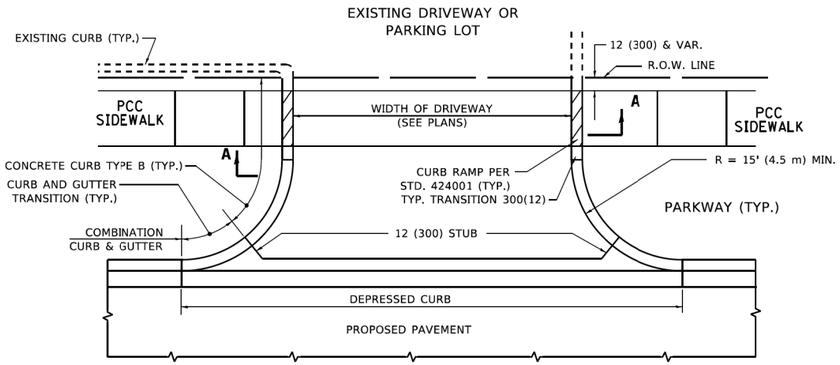
PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
MISCELLANEOUS DETAILS

SCALE: N/A | SHEET NO.2 OF14 SHEETS | STA. N/A TO STA. N/A

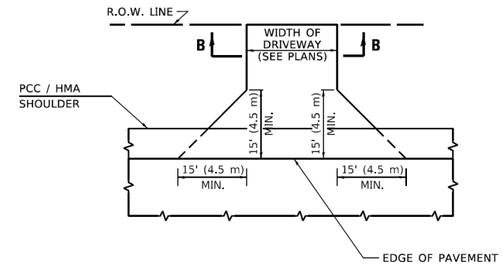
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	74

CONTRACT NO. 61J25

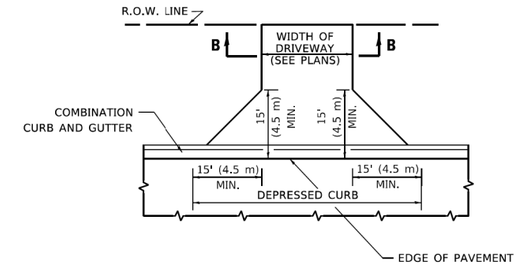
ILLINOIS FED. AID PROJECT



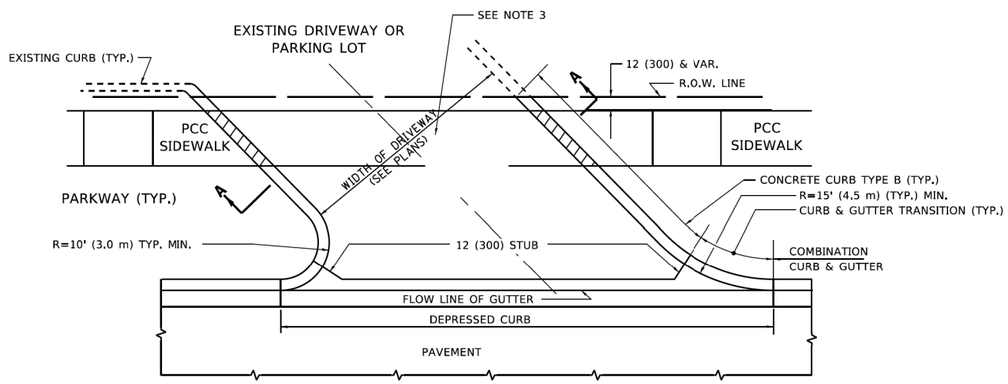
WITH CONCRETE CURB, TYPE B



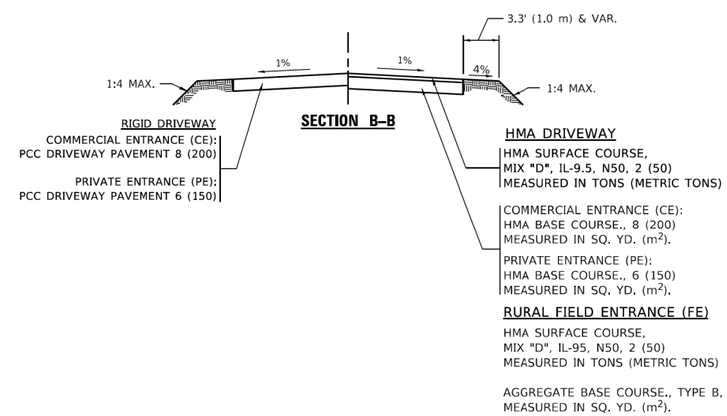
ADJACENT TO PCC /HMA SHOULDER



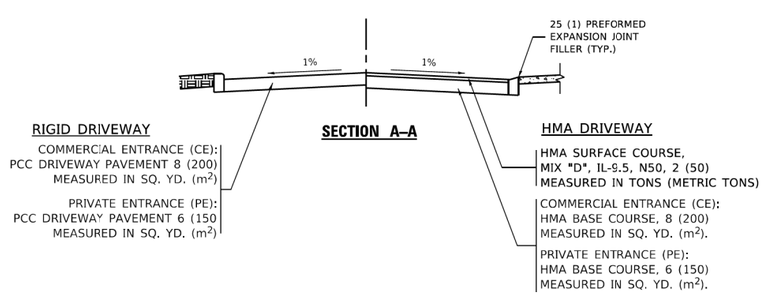
ADJACENT TO CURB AND GUTTER



WITH CONCRETE CURB, TYPE B



SECTION B–B



SECTION A–A

GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

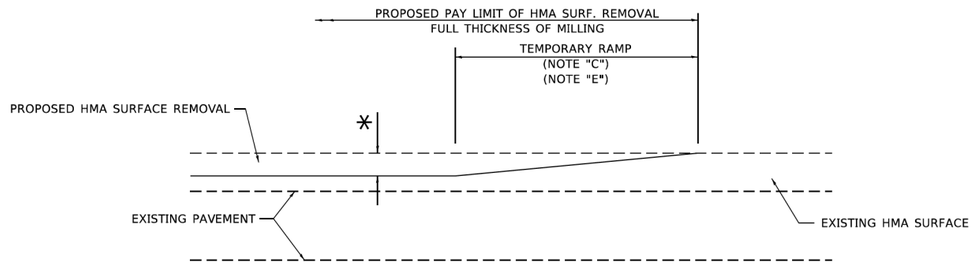
2. COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

MODEL: Default
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\Projects\District 1 Standards\CAD\sheets\bd01.dgn

USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥15'(4.5m)	F.A. RTE. / SECTION / COUNTY / TOTAL SHEETS / SHEET NO.
	DRAWN -	REVISED - R. BORO 09-06-11			
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 08-28-19			BD400–01 (BD–01) / CONTRACT NO.
PLOT DATE = 11/18/2022	DATE - 11-04-95	REVISED - K. SMITH 11-18-22		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. TO STA.	ILLINOIS / FED. AID PROJECT

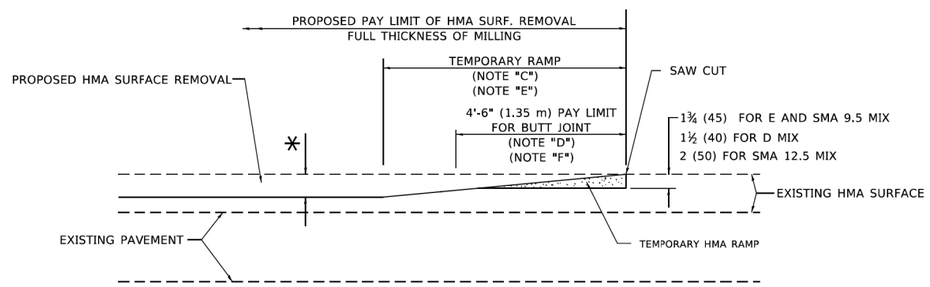
FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD DETAIL SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	75
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: NTS / SHEET NO.3 OF14 SHEETS / STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

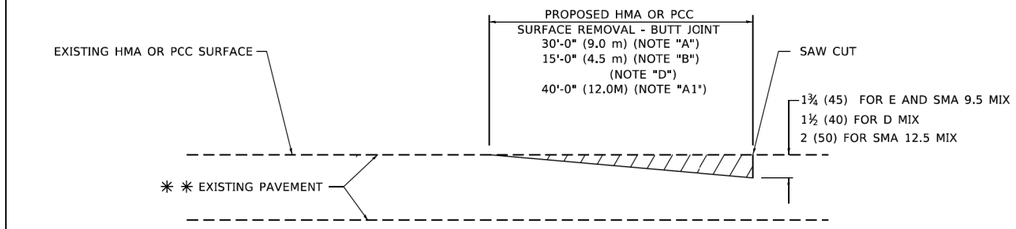


HMA CONSTRUCTED TEMPORARY RAMP

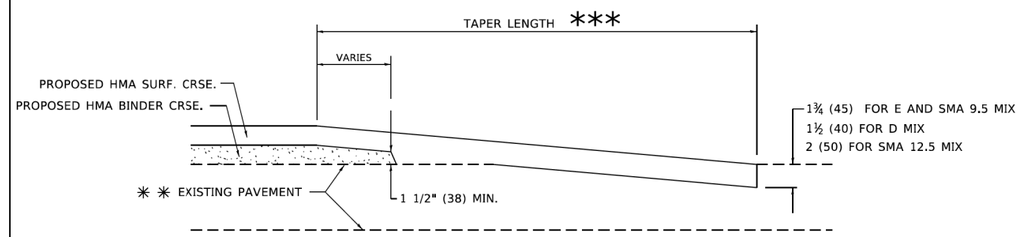
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



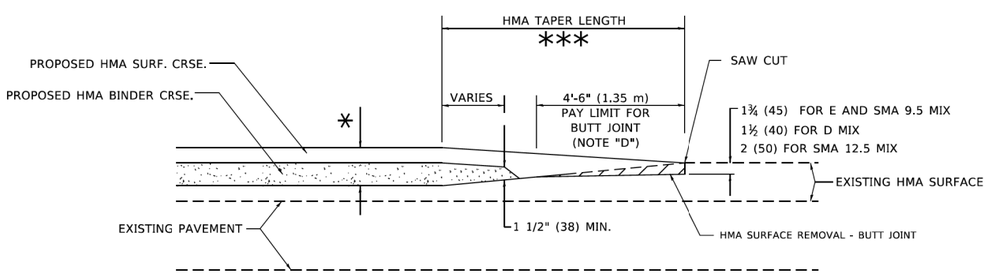
BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

MODEL: Default
FILE NAME: pw://ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\Projects\BD22-34\CADData\CADs\ent-std32.dgn

USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - M. GOMEZ 04-06-01							
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07			BD400-05	BD-32	CONTRACT NO.		
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. TO STA.			ILLINOIS	FED. AID PROJECT	

FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD DETAIL SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	76
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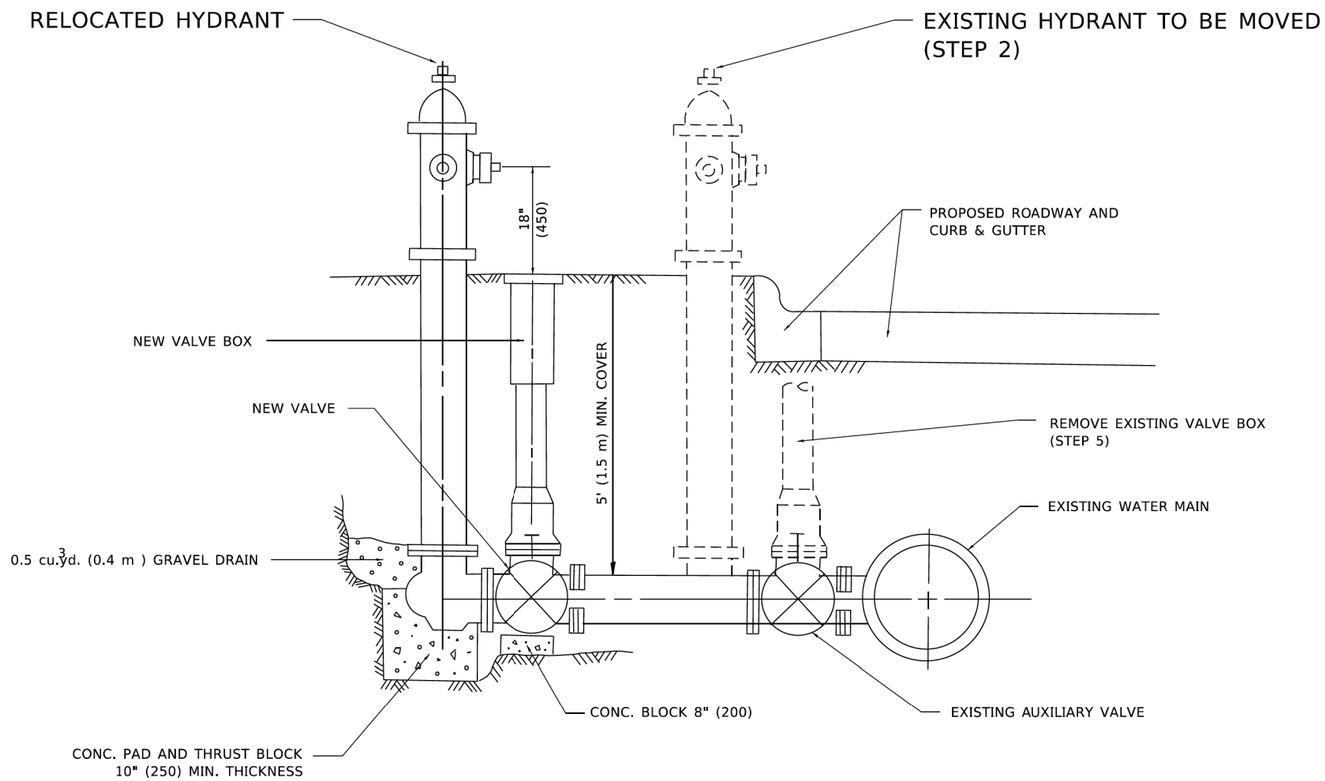
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: NTS / SHEET NO.4 OF14 SHEETS / STA. N/A TO STA. N/A			ILLINOIS	FED. AID PROJECT	



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

NOTE:

ALL WORK TO BE DONE IN ACCORDANCE WITH SECTION 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

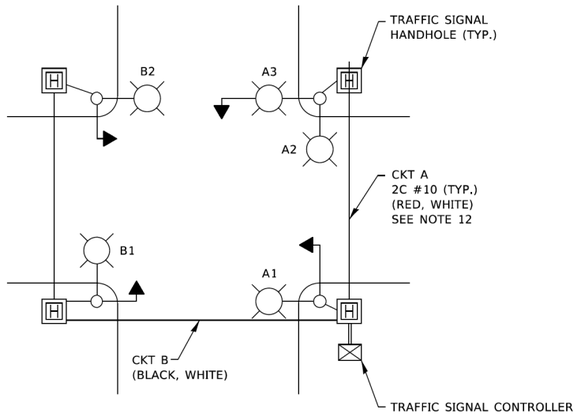
MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\Projects\District\D722-24\CAD\Data\CADSheets\bd36.dgn

USER NAME = Lawrence.DeManche	DESIGNED -	REVISED -	R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIRE HYDRANT TO BE MOVED
	DRAWN -	REVISED -	R. SHAH 10-25-94		
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	K. SMITH 11-18-22		
PLOT DATE = 11/18/2022	DATE -	REVISED -			SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BD-36		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

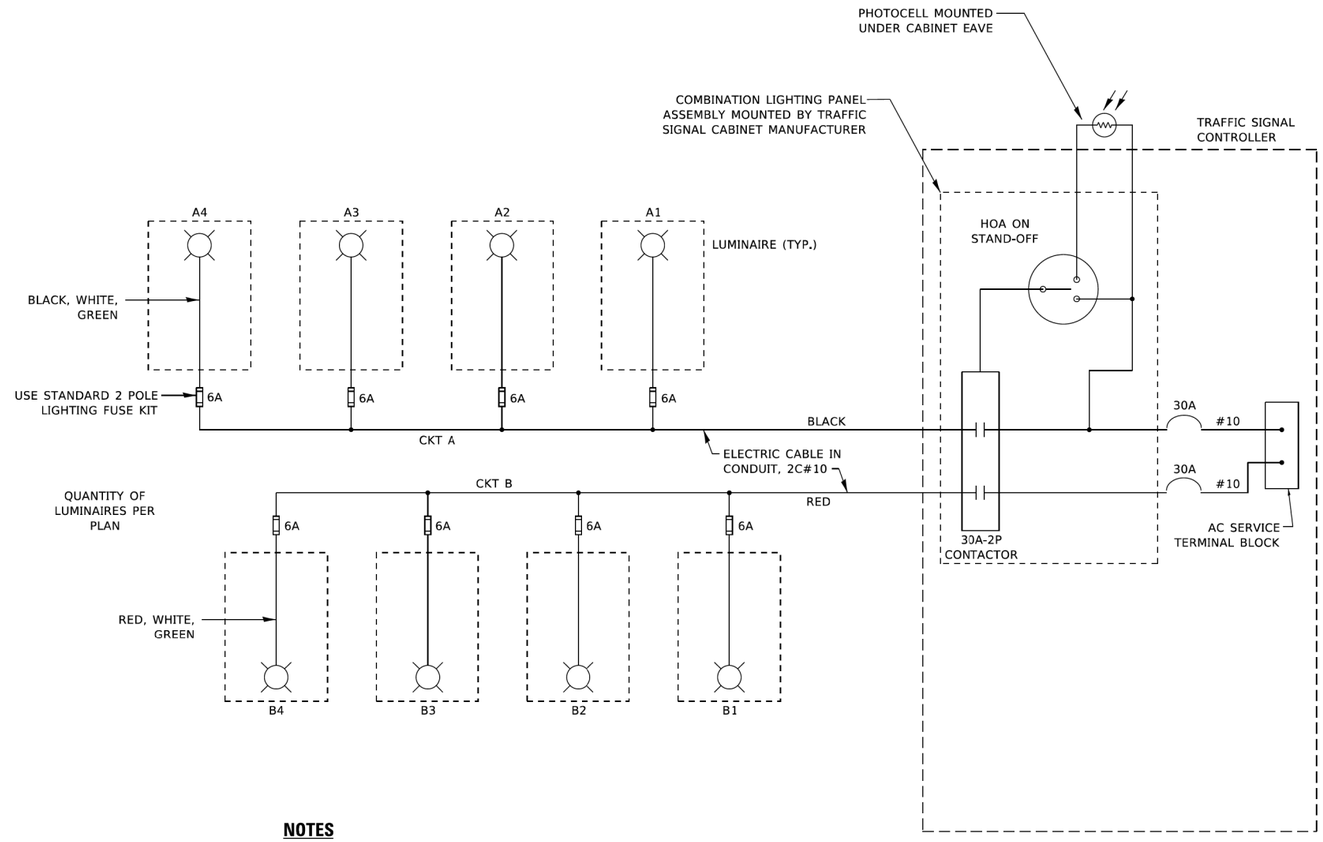
FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD DETAIL SHEETS
		DRAWN - GG	REVISED -		
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: NTS SHEET NO.5 OF14 SHEETS STA. N/A TO STA. N/A

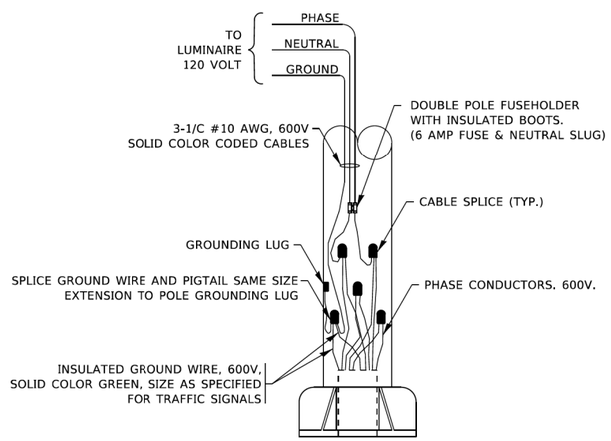
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	77
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		



TYPICAL LIGHTING CIRCUIT

(NOT TO SCALE)





COMBINATION POLE WIRING DETAIL

(NOT TO SCALE)

NOTES

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC SERVICE TERMINAL BLOCK.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
8. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
10. LUMINAIRE VOLTAGE SHALL BE 120V
11. POLE WIRING & FUSE KITS ARE INCLUDED IN THE LUMINAIRE PAY ITEM.
12. THE UNDERGROUND EQUIPMENT GROUND WIRE IS SHOWN IN THE TRAFFIC SIGNAL PLANS AND IS INCLUDED IN THE SIGNAL PLANS. IT IS SHARED GROUND BETWEEN SIGNALS AND LIGHTING.

MODEL: Default
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\Projects\BridgeTech\324\240\CAD\sheets\be240.dgn

USER NAME = demanchelt	DESIGNED - RT	REVISED - T.G. 4/12/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - R. TOMSONS 3/22/18									
PLOT SCALE = 100.0000 ' / in.	CHECKED - RT	REVISED - T.G. 8/03/2021						BE-240	CONTRACT NO.		
PLOT DATE = 5/5/2022	DATE - 08/18/2014	REVISED - T.G. 5/05/2022		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.		ILLINOIS	FED. AID PROJECT		

FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD DETAIL SHEETS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -				324	08-00044-00-WR	WILL	102	78
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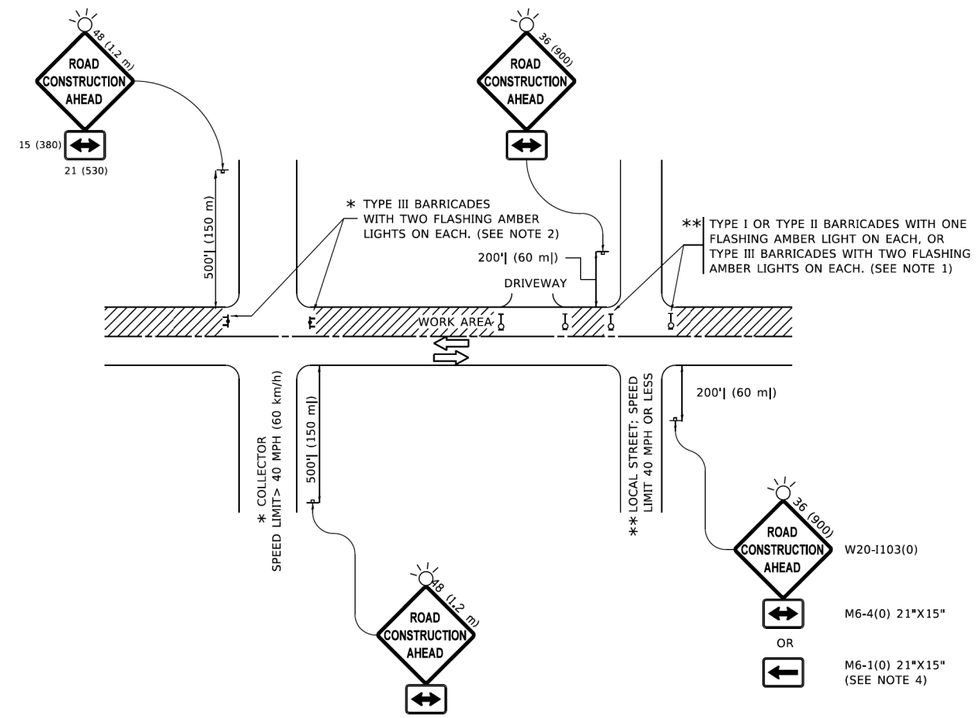
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: NTS	SHEET NO.6 OF14 SHEETS	STA. N/A TO STA. N/A		ILLINOIS	FED. AID PROJECT	



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.

6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

MODEL: Default
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1c5fd22a34\CAD Data\CADsheets\tc10.dgn

USER NAME = Lawrence.DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	
	DRAWN -	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-10	CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

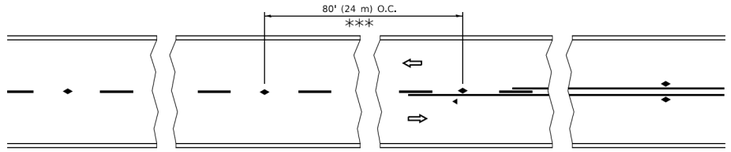
FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
DETAIL SHEETS

SCALE: NTS | SHEET NO.7 OF14 SHEETS | STA. N/A TO STA. N/A

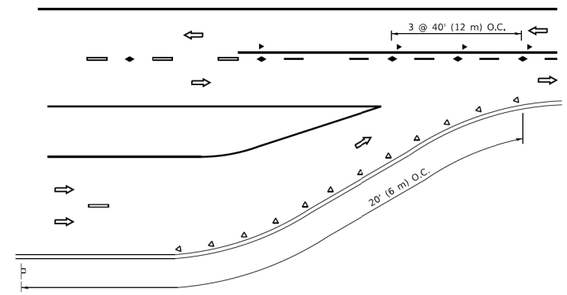
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	79
		CONTRACT NO. 61J25		
	ILLINOIS	FED. AID PROJECT		



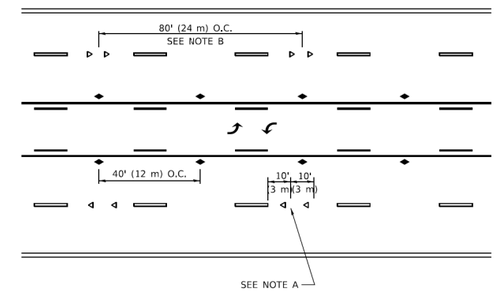
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

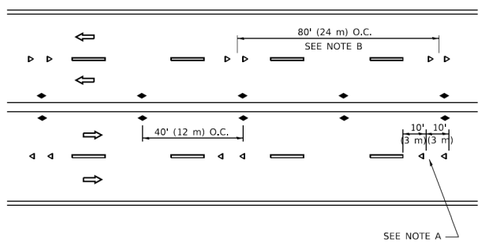
SEE FIGURE 3B-14 MUTCD



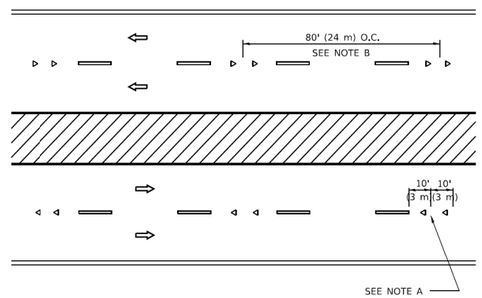
LANE REDUCTION TRANSITION



TWO–WAY LEFT TURN



MULTI–LANE/UNDIVIDED



MULTI–LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

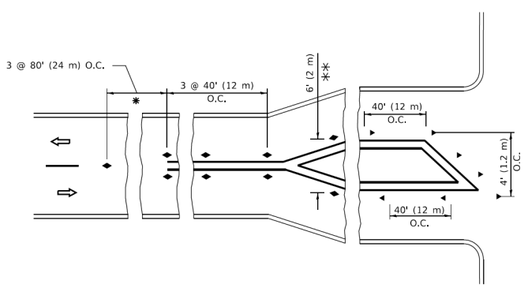
LANE MARKER NOTES

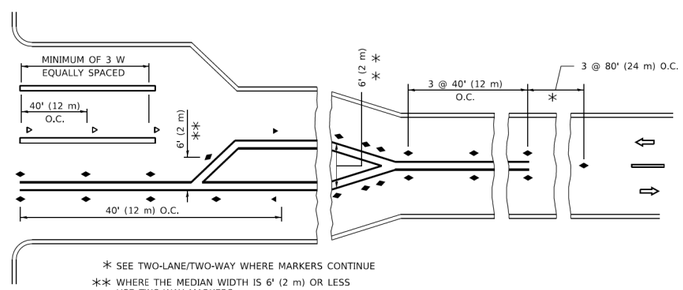
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.





* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

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

MODEL: Default
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USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - T. RAMMACHER 01-06-00							
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09			TC-11		CONTRACT NO.		
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

tc11.dgn 3/4/2019 10:20:28 AM User=footemj

FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD DETAIL SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	80
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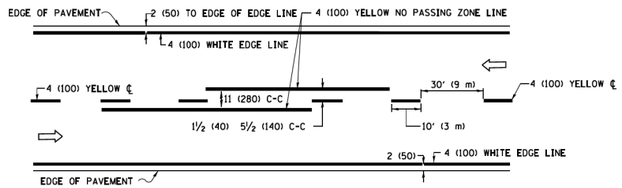
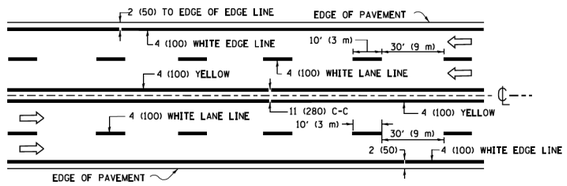
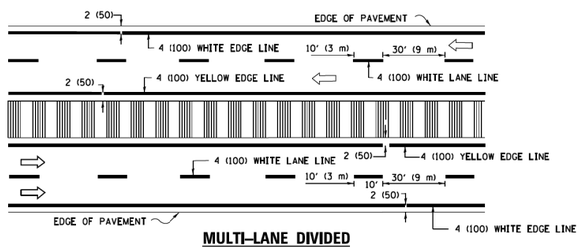
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: NTS SHEET NO.8 OF14 SHEETS STA. N/A TO STA. N/A		ILLINOIS	FED. AID PROJECT		



2–LANE ROADWAY

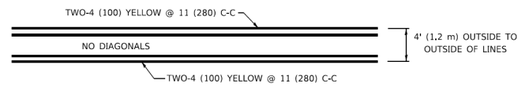


MULTI–LANE UNDIVIDED

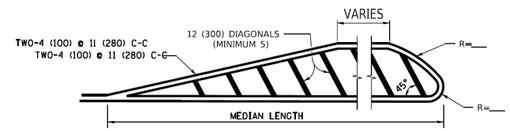


MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



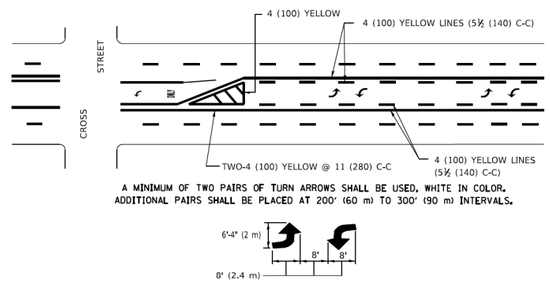
4' (1.2 m) WIDE MEDIANS ONLY



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

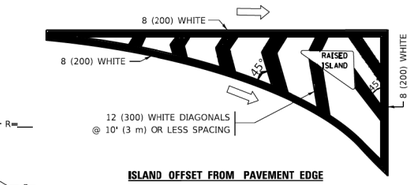
MEDIANS OVER 4' (1.2 m) WIDE



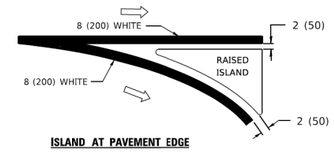
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

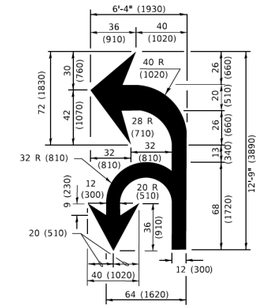


ISLAND OFFSET FROM PAVEMENT EDGE

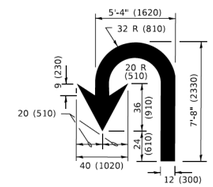


ISLAND AT PAVEMENT EDGE

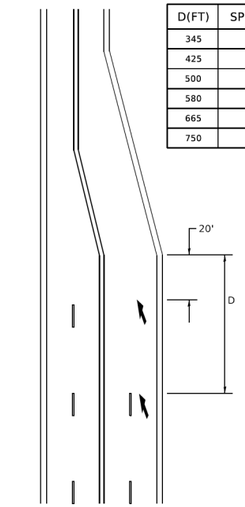
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

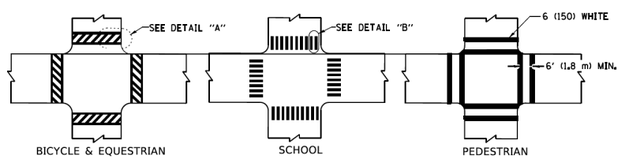
LANE REDUCTION TRANSITION

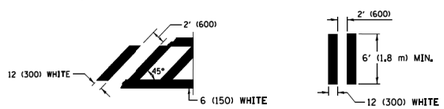
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	 4 (100) 2 @ 4 (100)	 SOLID SOLID	 YELLOW YELLOW	 5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

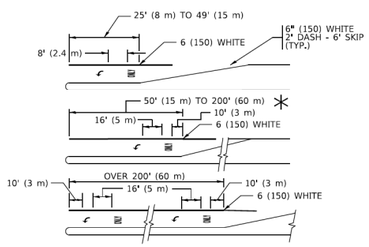




DETAIL "A" DETAIL "B"

TYPICAL CROSSWALK MARKING

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



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

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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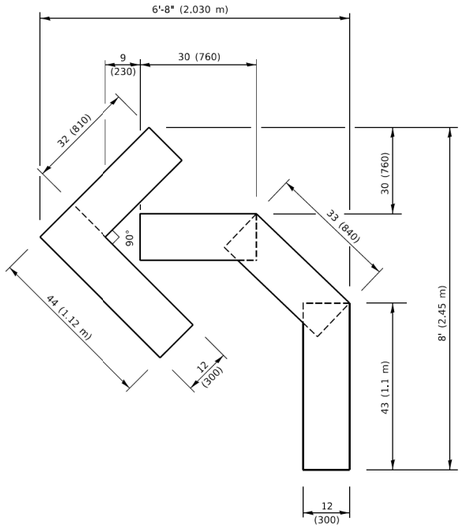
USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE TYPICAL PAVEMENT MARKINGS	F.A. RTE. / SECTION / COUNTY / TOTAL SHEETS / SHEET NO.
	DRAWN -	REVISED - C. JUCIUS 07-01-13			
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15			TC–13 / CONTRACT NO.
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16		SCALE: NONE / SHEET 1 OF 2 SHEETS / STA. TO STA.	ILLINOIS / FED. AID PROJECT

tc13.dgn 3/4/2019 10:34:37 AM footemj

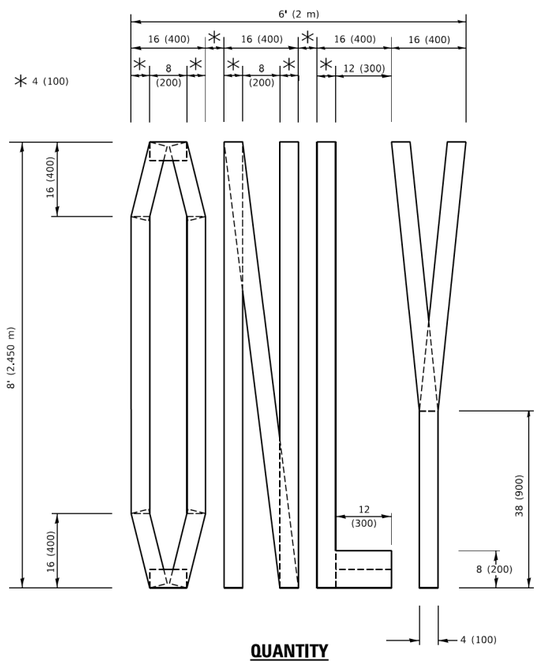
FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD DETAIL SHEETS
		DRAWN - GG	REVISED -		
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: NTS / SHEET NO.9 OF14 SHEETS / STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	81
		CONTRACT NO. 61J25		
		ILLINOIS	FED. AID PROJECT	



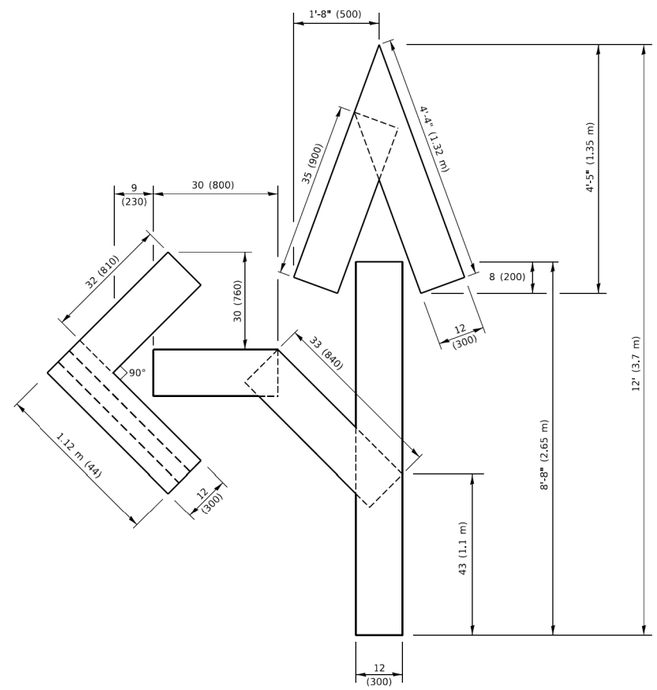
QUANTITY

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



QUANTITY

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

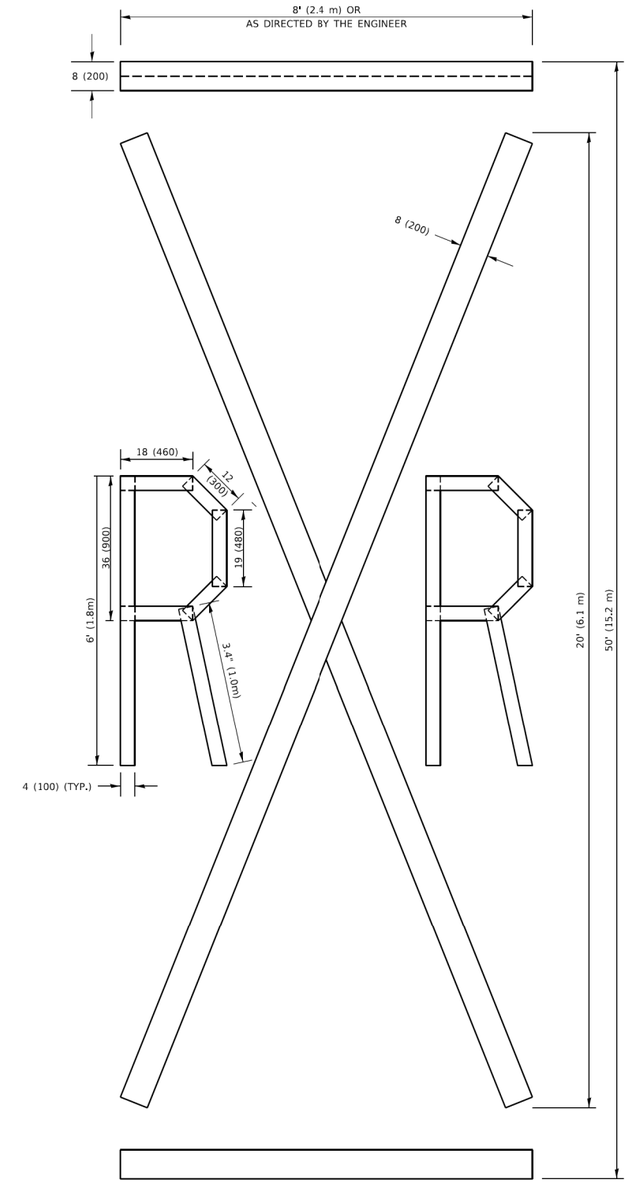


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - E. GOMEZ 08-28-00							
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00				TC-16	CONTRACT NO.		
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. TO STA.		ILLINOIS	FED. AID PROJECT		

tc16.dgn 3/4/2019 10:37:35 AM User-footemj

FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD DETAIL SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102 / 82
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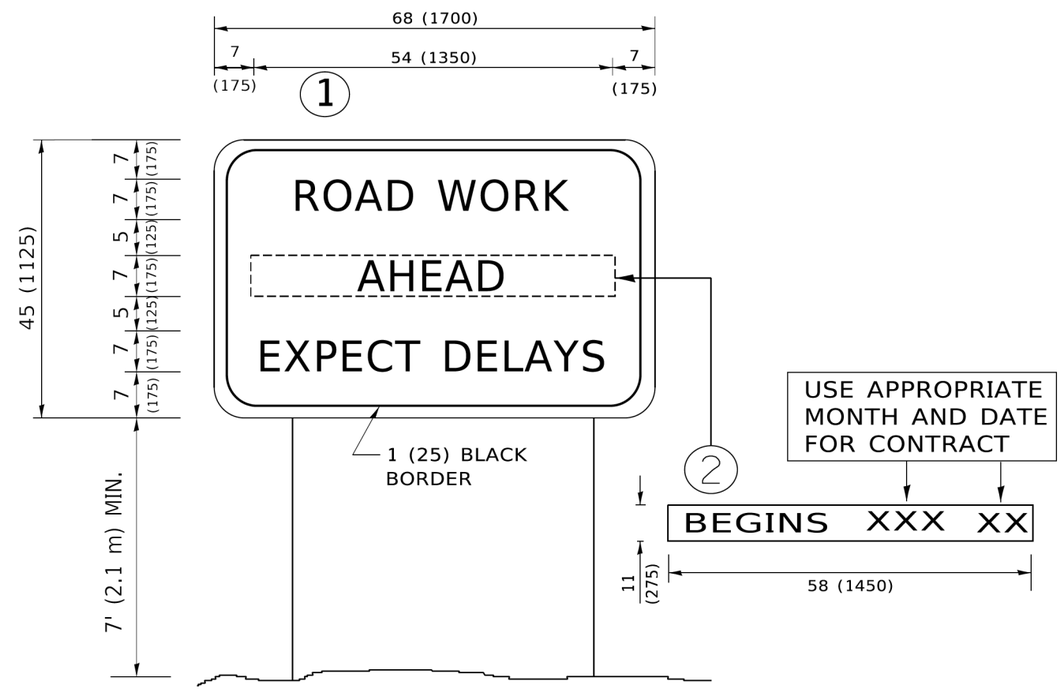


NOTES:

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

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

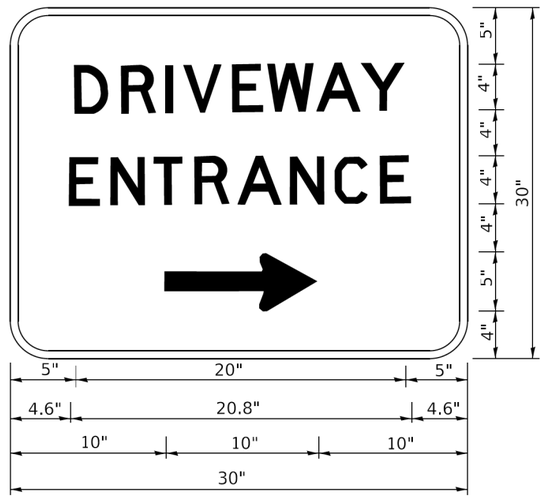
MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\District22x34\CADData\CADsheets\tc22.dgn

tc22.dgn 3/4/2019 10:46:10 AM User:footemj

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A. RTE. / SECTION / COUNTY / TOTAL SHEETS / SHEET NO.
	DRAWN -	REVISED - R. MIRS 12-11-97			
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99			TC-22 / CONTRACT NO.
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. TO STA.	ILLINOIS FED. AID PROJECT

FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD DETAIL SHEETS
		DRAWN - GG	REVISED -		
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: NTS / SHEET NO.11 OF14 SHEETS / STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	83
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

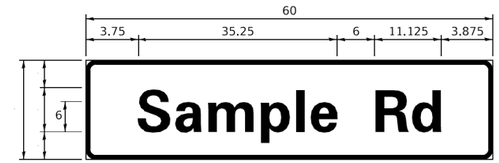
MODEL: Default
FILE NAME: pw:\\pwprod.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\IBHE1\Projects\D1x55d22x34\CADData\CADSheets\tc26.dgn

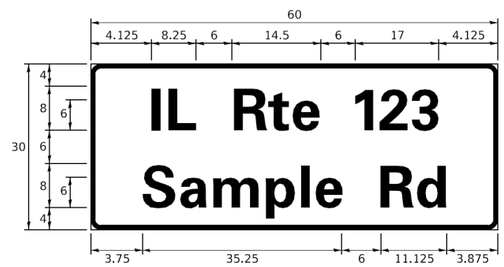
USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING	F.A. RTE. / SECTION / COUNTY / TOTAL SHEETS / SHEET NO.
	DRAWN -	REVISED -			
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -			TC-26 / CONTRACT NO.
PLOT DATE = 8/6/2021	DATE -	REVISED -		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. / TO STA.	ILLINOIS / FED. AID PROJECT

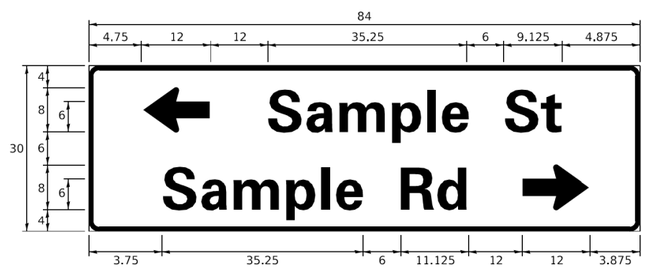
FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD DETAIL SHEETS
		DRAWN - GG	REVISED -		
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: NTS / SHEET NO.12 OF14 SHEETS / STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	84
		CONTRACT NO. 61J25		
		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	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	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

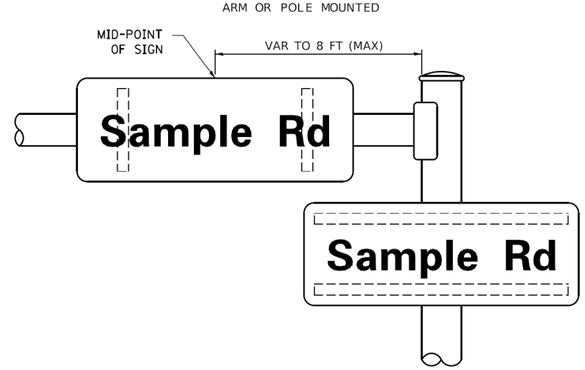
1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE 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.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS 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.
4. 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.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:	PARTS LISTING:	
- J.O. HERBERT COMPANY, INC MIDLOTHIAN, VA	SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
	SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
- WESTERN REMAC, INC. WOODRIDGE, IL	BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

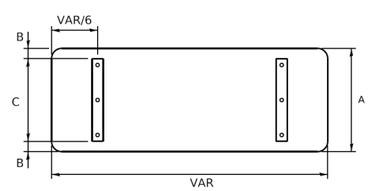
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

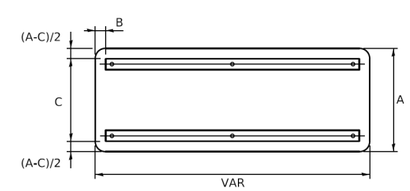
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

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

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PLOT DATE = 3/4/2019	DATE - 10/01/2014	REVISED -	

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-02	CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

SCALE: | SHEET OF SHEETS | STA. TO STA.

ID2.dgn 3/4/2019 1:10:20 AM User footemj

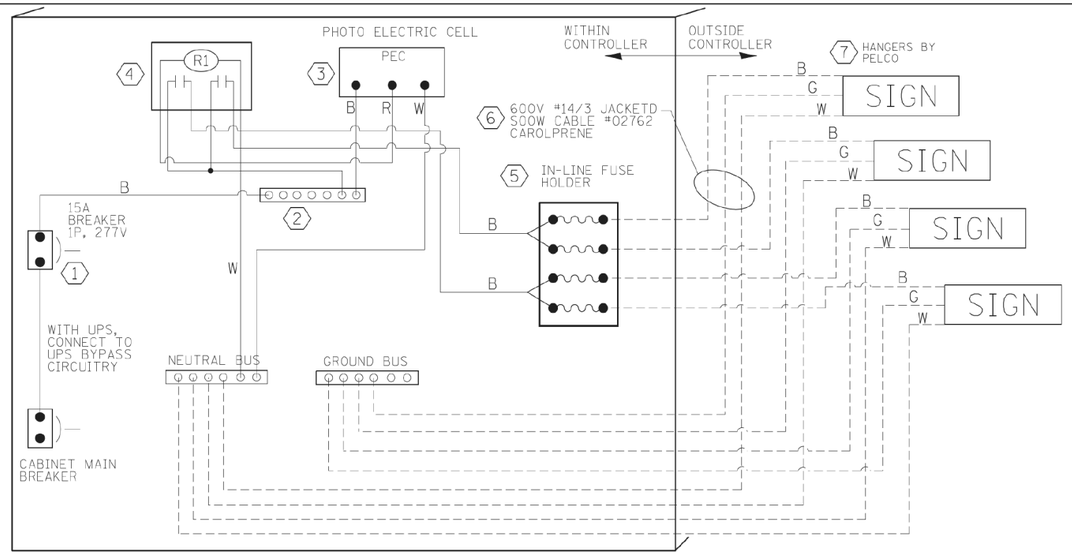
FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
DETAIL SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	85
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		

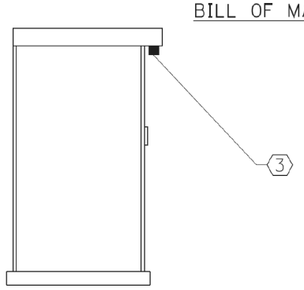
SCALE: NTS | SHEET NO.13 OF14 SHEETS | STA. N/A TO STA. N/A



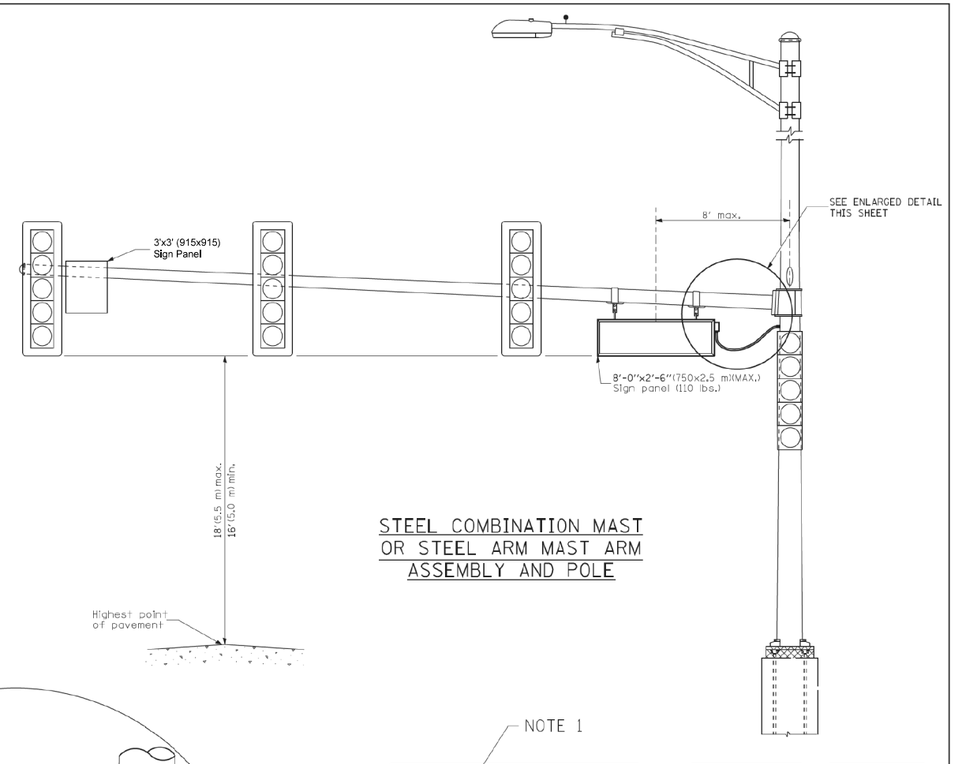
LED SIGN WIRING DETAIL

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

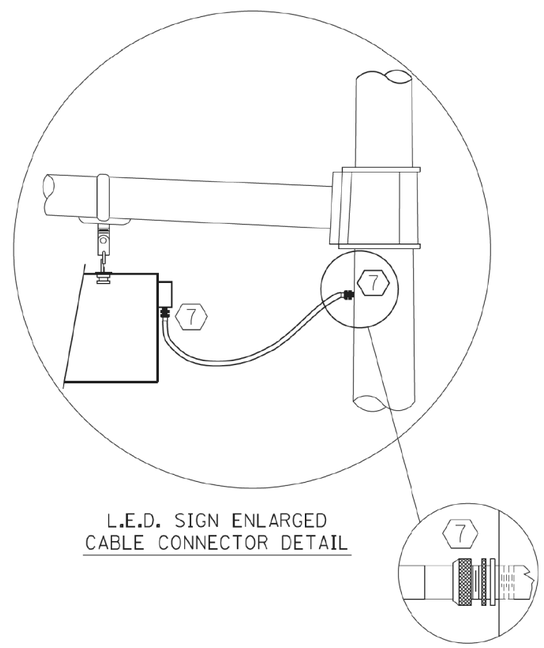
BILL OF MATERIALS



CONTROLLER CABINET
SIDE VIEW



STEEL COMBINATION MAST OR STEEL ARM MAST ARM ASSEMBLY AND POLE



L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL

L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL

LED ILLUMINATED SIGN PANEL

8'0 x 2'6" (750 mm x 2.5 mm)(MAX)
CLEARVIEW FONT

NOTES:

1. SIGNS SHALL BE DUAL SIDED. FRONT AND BACK OF SIGN WILL BE THE SAME.
2. CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
3. SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
4. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
   R = RED BL = BLUE W = WHITE
   B = BLACK Y = YELLOW G = GREEN
5. ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
6. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

*F.A.P./F.A.U.

FILE NAME =	USER NAME = kanthaphixaybo	DESIGNED - BCK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTED STREET NAME SIGN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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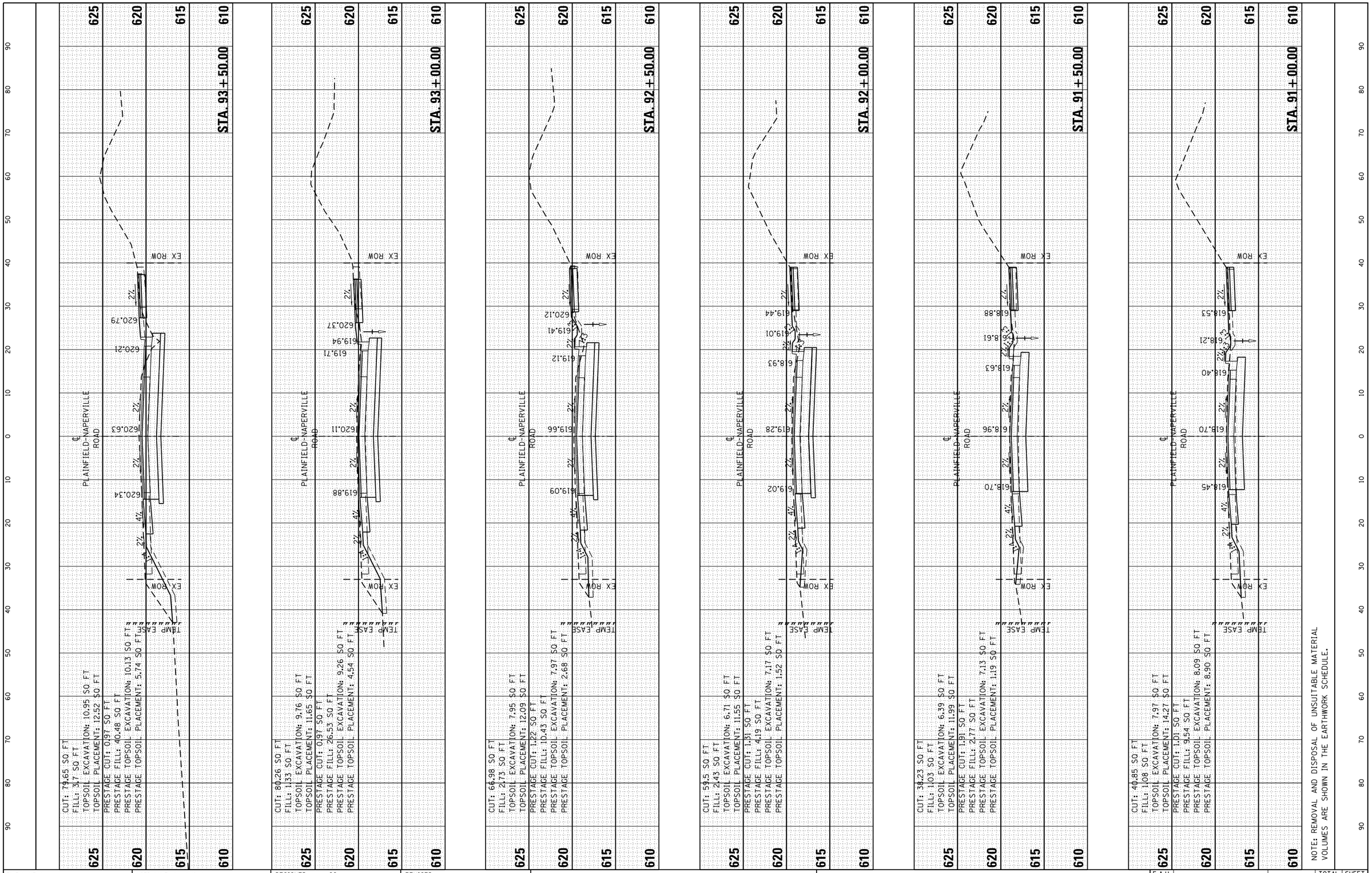
	PLOT DATE = 4/12/2011	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FILE NAME =	USER NAME = GGIFFORD	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD DETAIL SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102	86
	PLOT SCALE = 0.1667 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: NTS SHEET NO.14 OF14 SHEETS STA. N/A TO STA. N/A		ILLINOIS	FED. AID PROJECT		



FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
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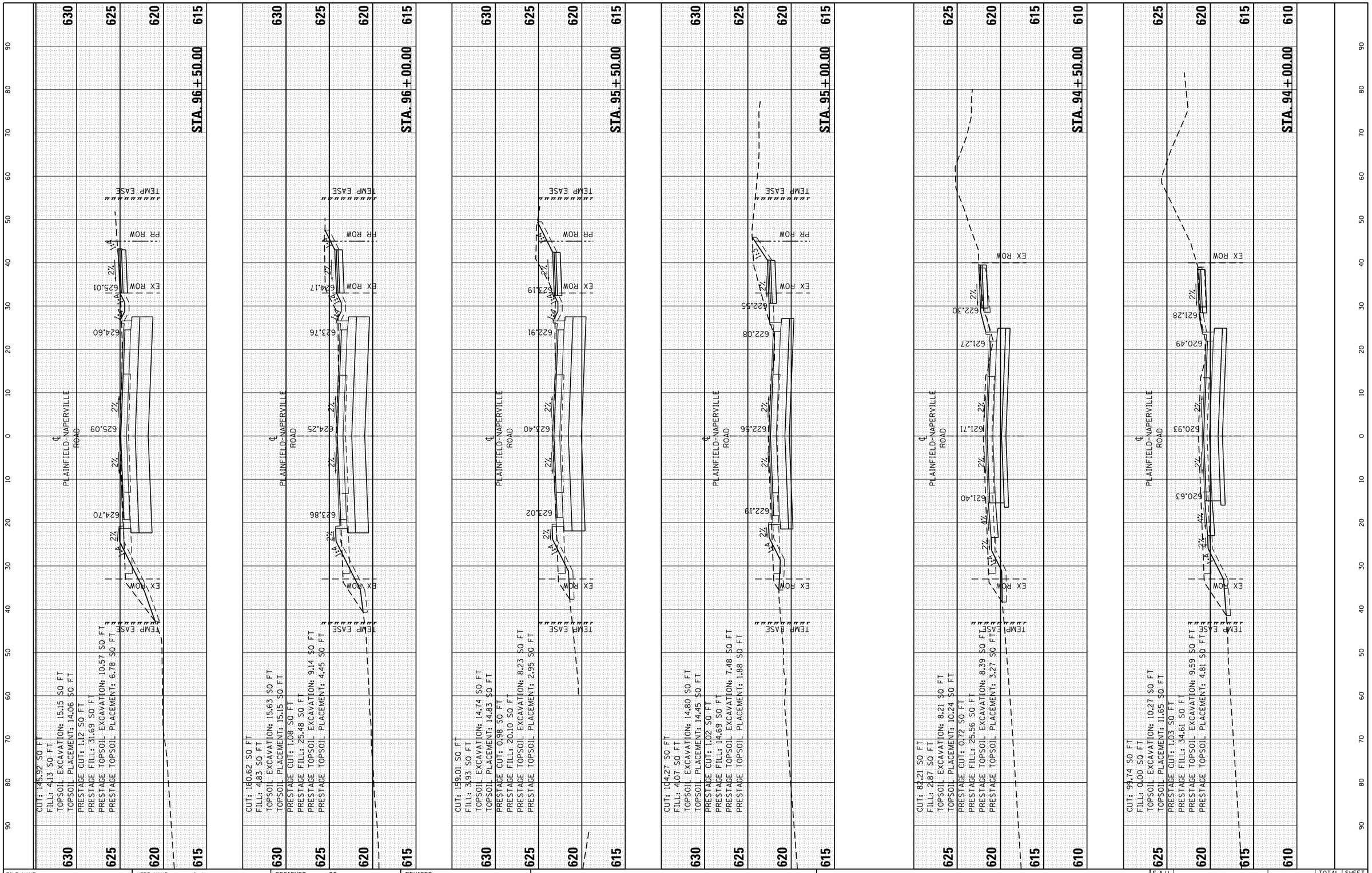
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS - PLAINFIELD-NAPERVILLE ROAD

SCALE: 1"=10' (H) 1"=5' (V) | SHEET NO.1 OF10 SHEETS | STA. 91+00 TO STA. 93+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	87
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		



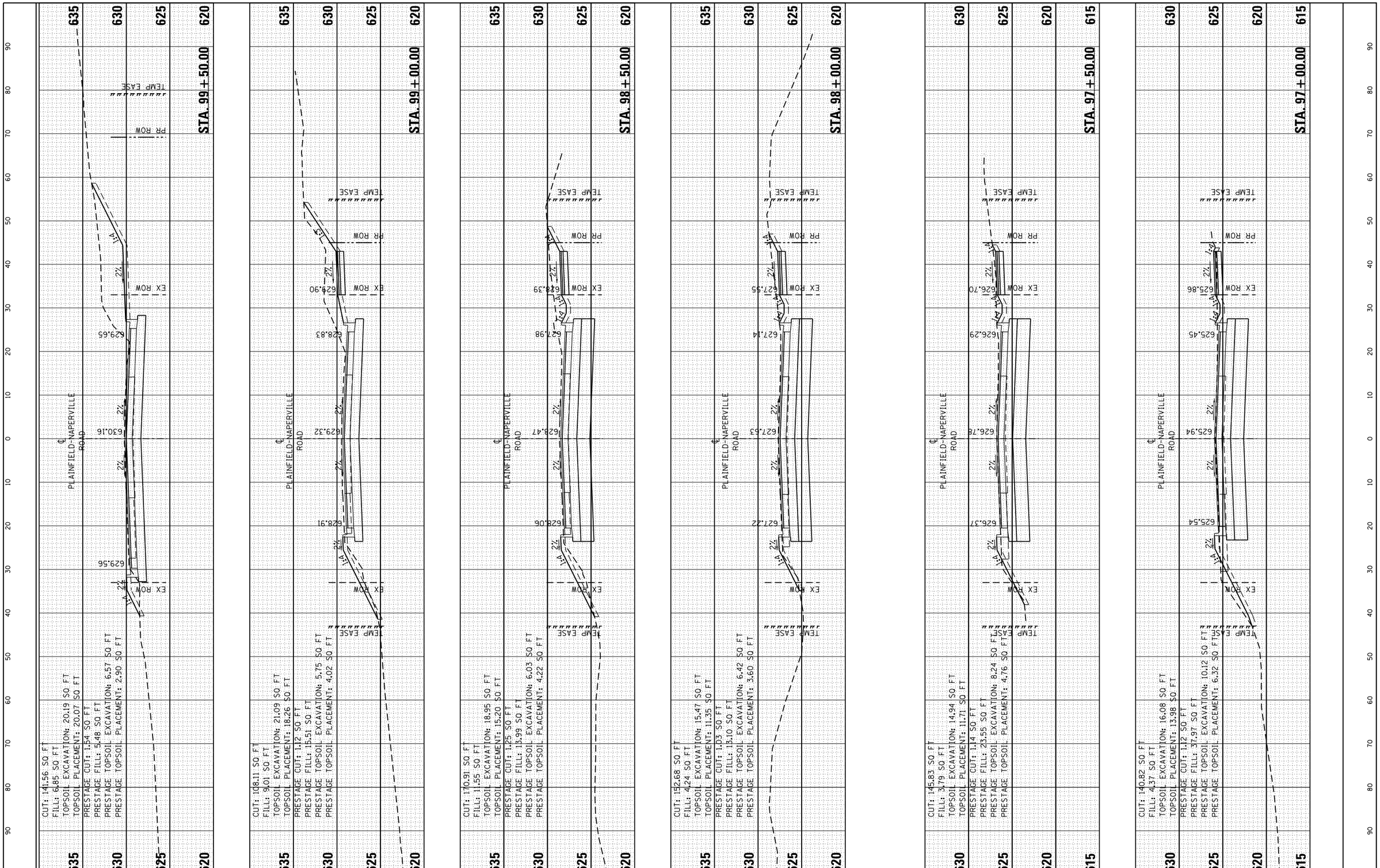
FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -
		DRAWN - GG	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - AM	REVISED -
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -

VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS – PLAINFIELD–NAPERVILLE ROAD

SCALE: 1"=10' (H) 1"=5' (V) | SHEET NO.2 OF10 SHEETS | STA. 94+00 TO STA. 96+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	88
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		



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VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

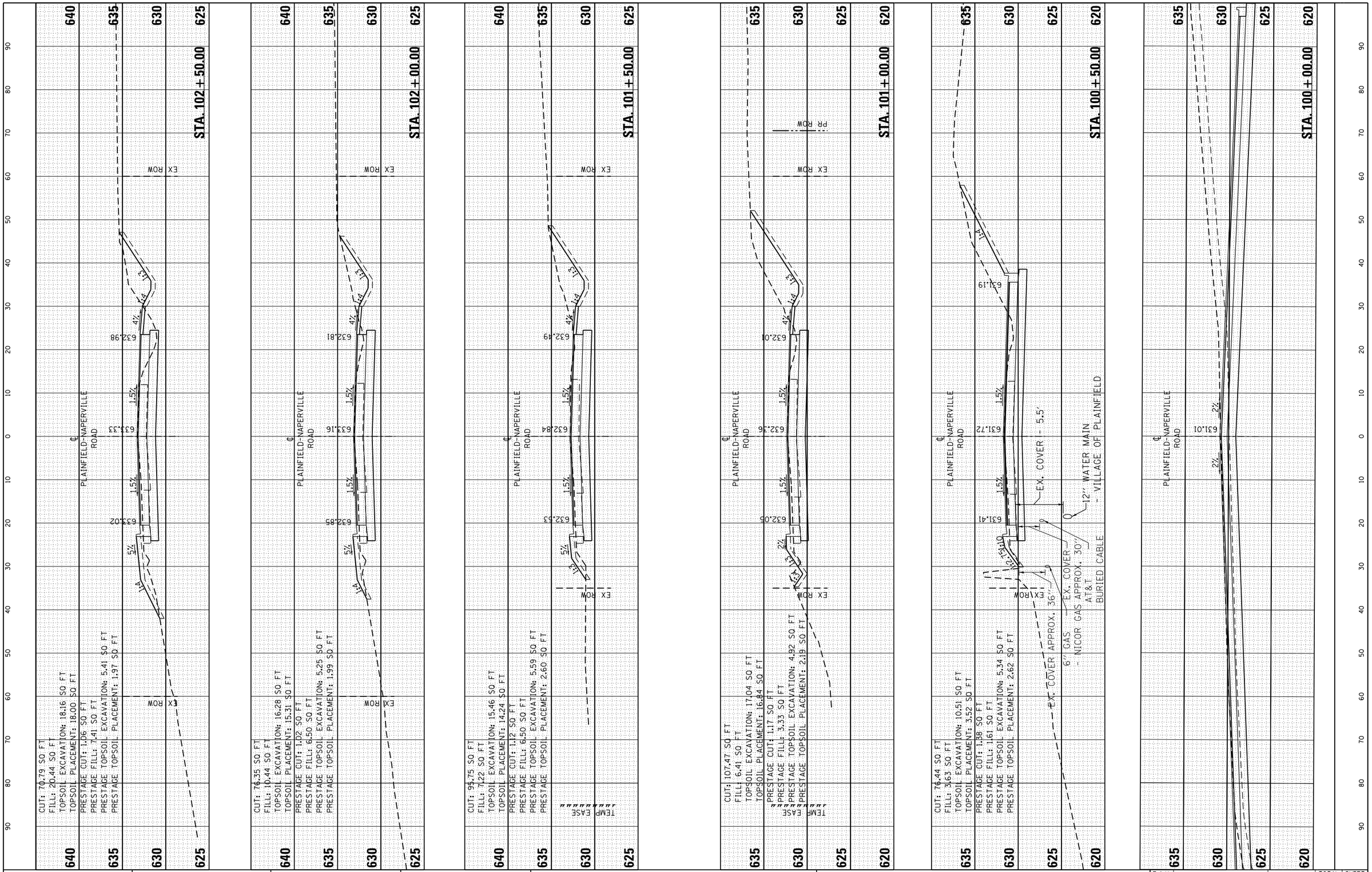
PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS - PLAINFIELD-NAPERVILLE ROAD

SCALE: 1"=10' (H) 1"=5' (V) | SHEET NO.3 OF10 SHEETS | STA. 97+00 TO STA. 99+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	89

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT



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VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

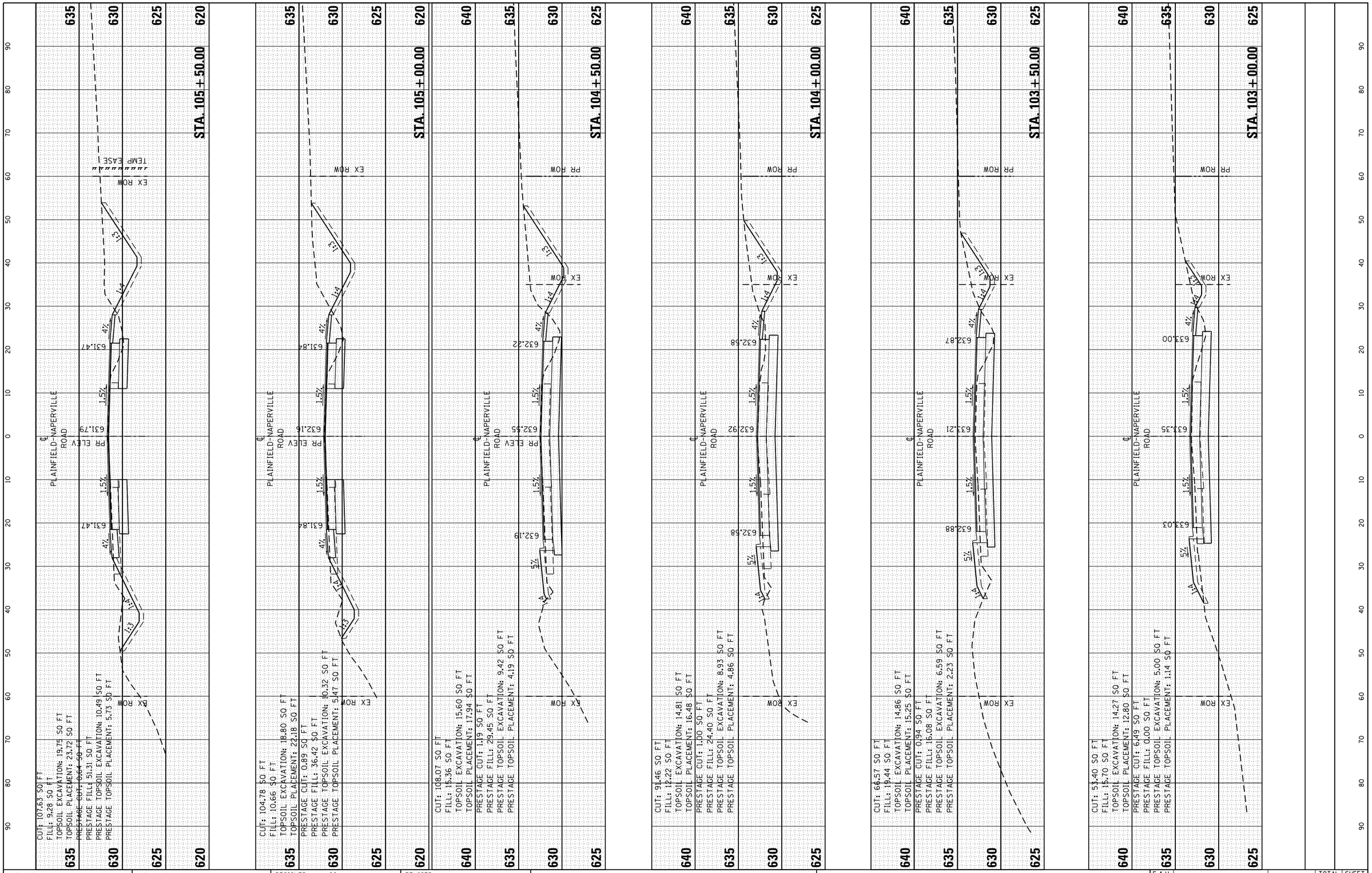
PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS – PLAINFIELD–NAPERVILLE ROAD

SCALE: 1"=10' (H) 1"=5' (V) | SHEET NO.4 OF10 SHEETS | STA. 100+00 TO STA. 102+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	90

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT



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VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

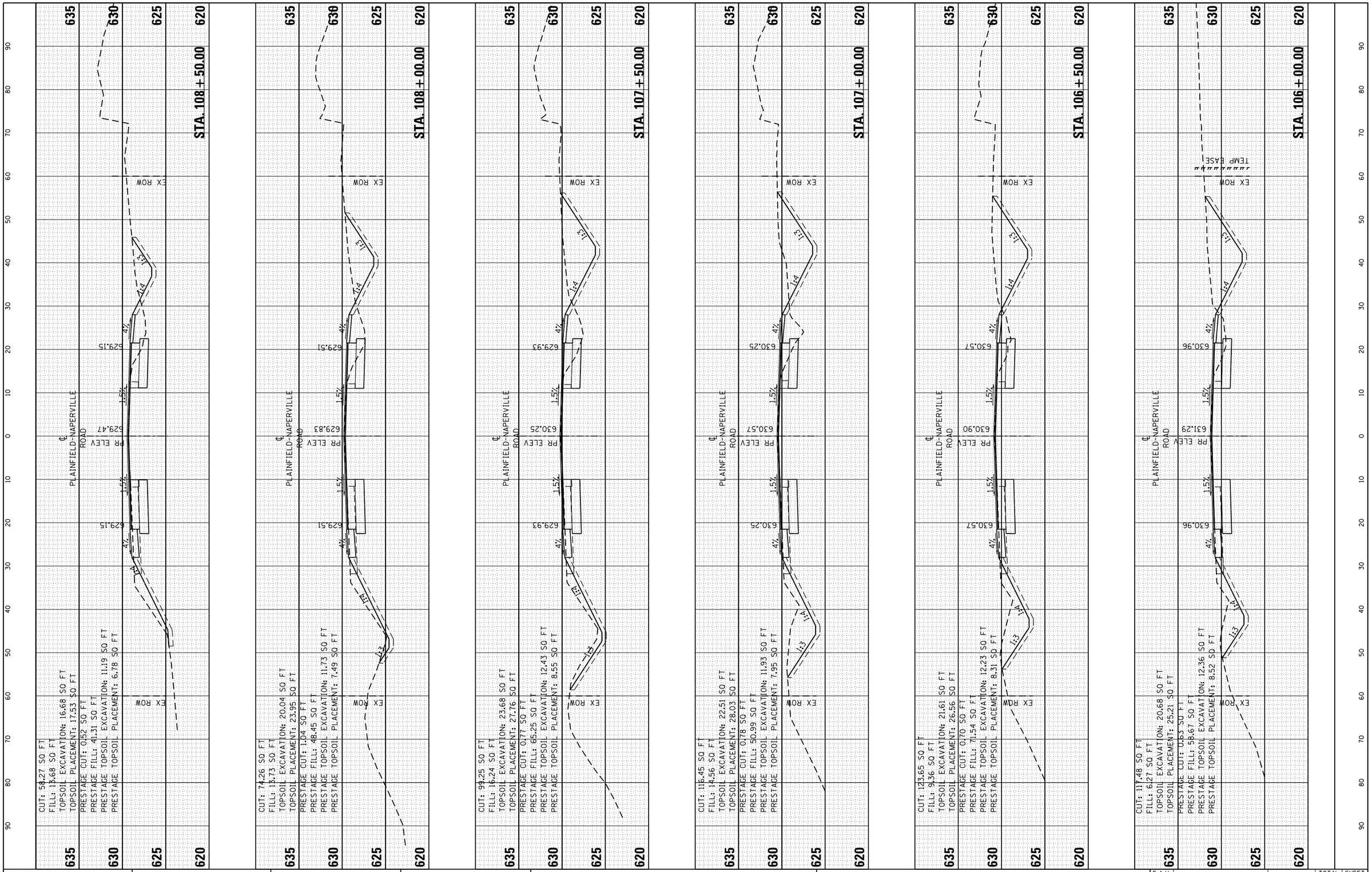
PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS – PLAINFIELD–NAPERVILLE ROAD

SCALE: 1"=10' (H) 1"=5' (V) | SHEET NO.5 OF10 SHEETS | STA. 103+00 TO STA. 105+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	91

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT



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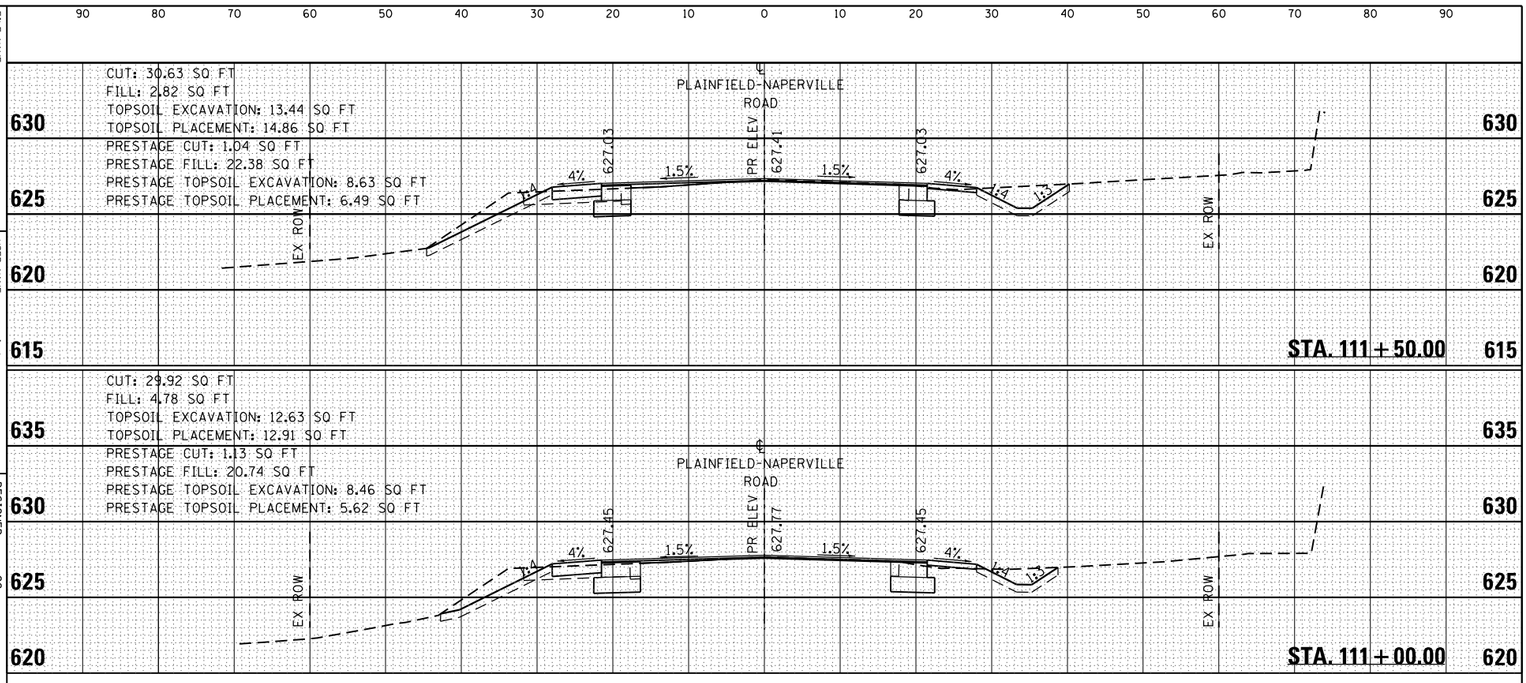
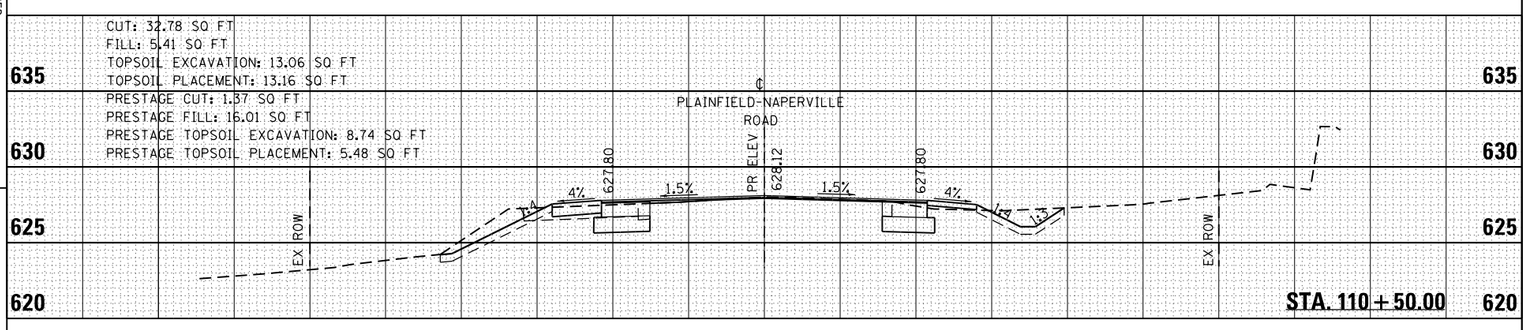
VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

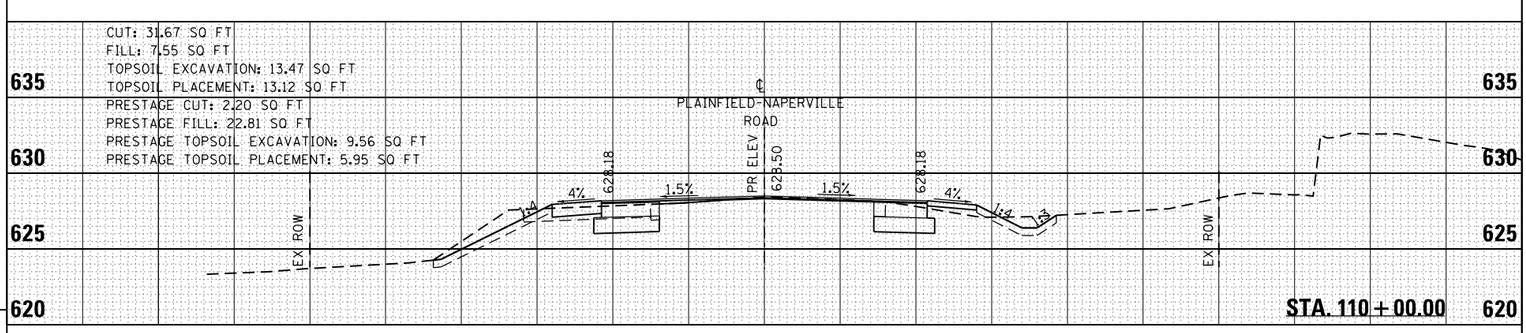
PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS – PLAINFIELD–NAPERVILLE ROAD

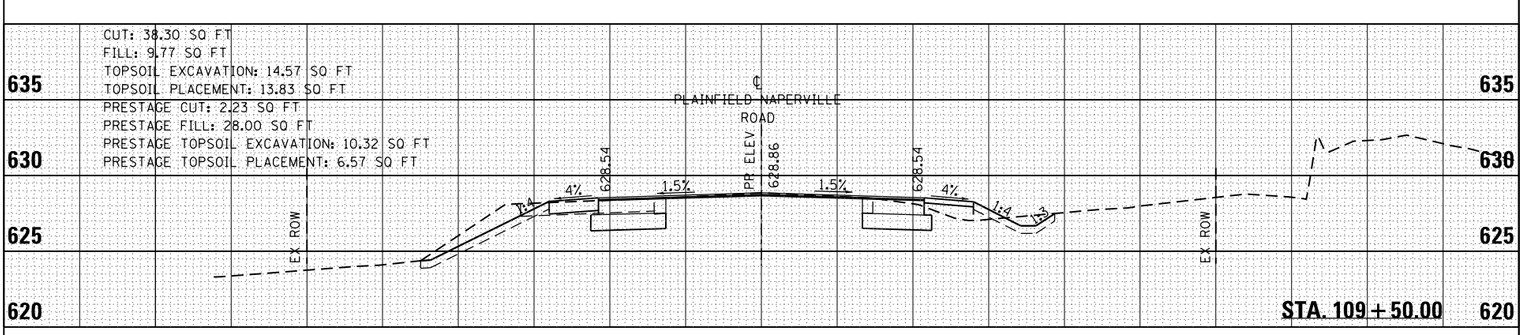
SCALE: 1"=10' (H) 1"=5' (V) | SHEET NO.6 OF10 SHEETS | STA. 106+00 TO STA. 108+50

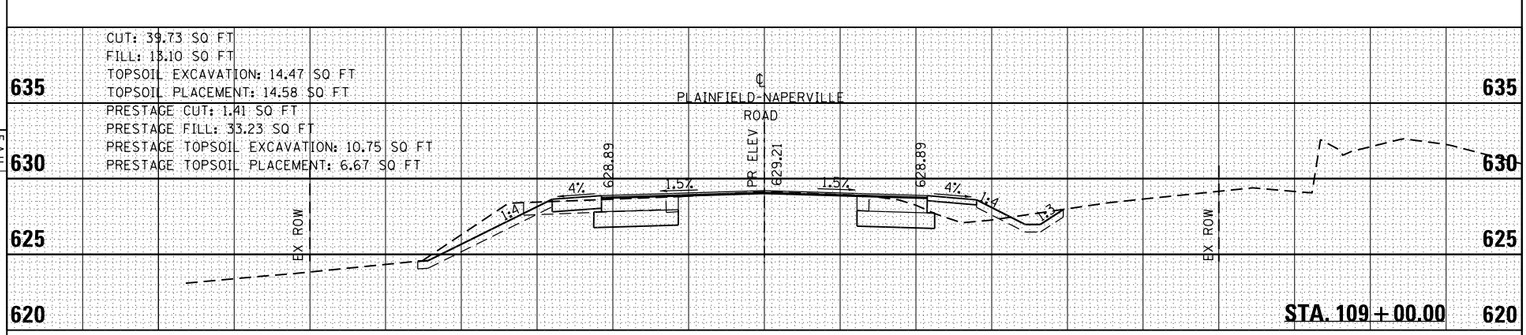
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	92
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		











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DATE -	10/23/2024	REVISED -

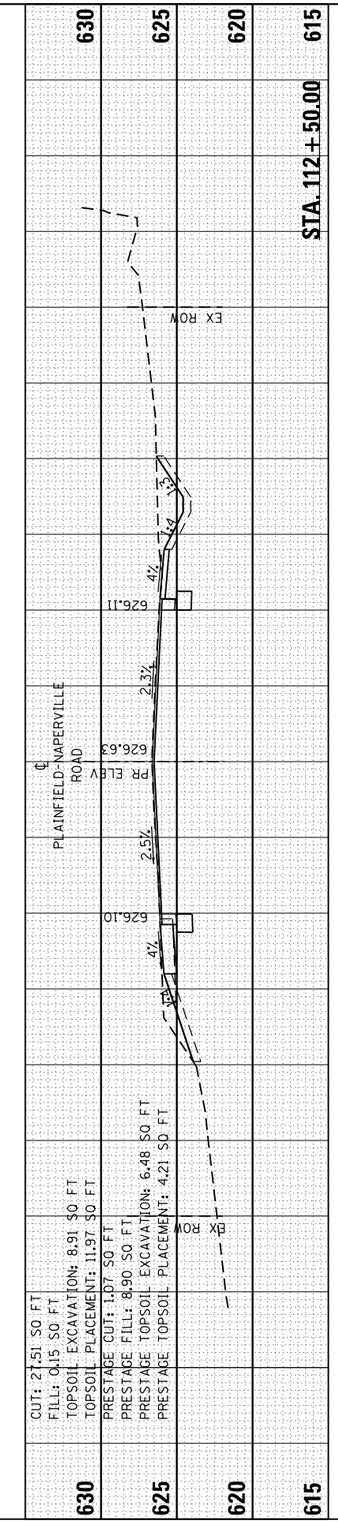
VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

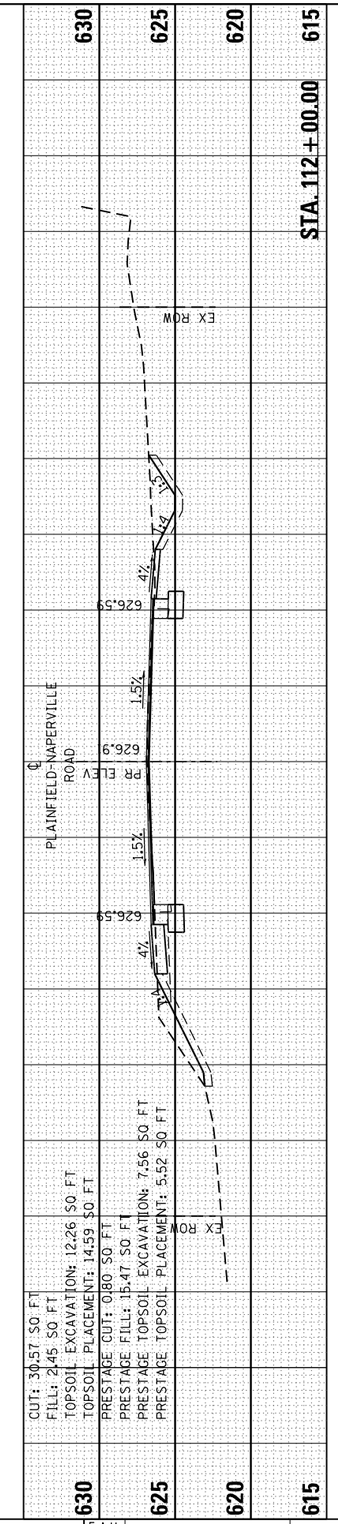
PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS - PLAINFIELD-NAPERVILLE ROAD

SCALE: 1"=10' (H) 1"=5' (V)
SHEET NO.7 OF10 SHEETS
STA. 109+00 TO STA. 111+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	93

CONTRACT NO. 61J25
ILLINOIS FED. AID PROJECT





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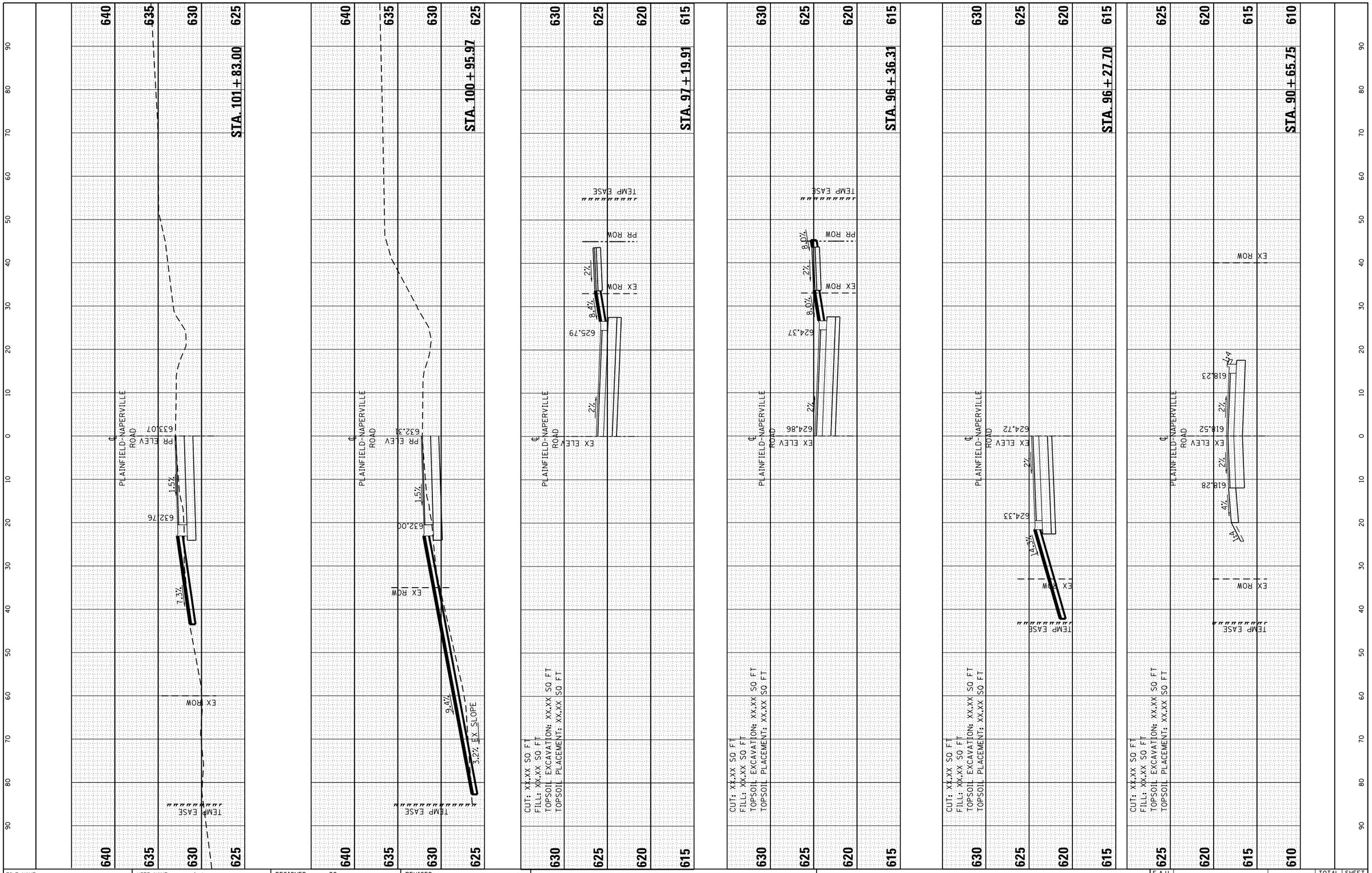
VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS – PLAINFIELD–NAPERVILLE ROAD

SCALE: 1"=10' (H) 1"=5' (V) | SHEET NO.8 OF10 SHEETS | STA. 112+00 TO STA. 114+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	94
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		



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VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

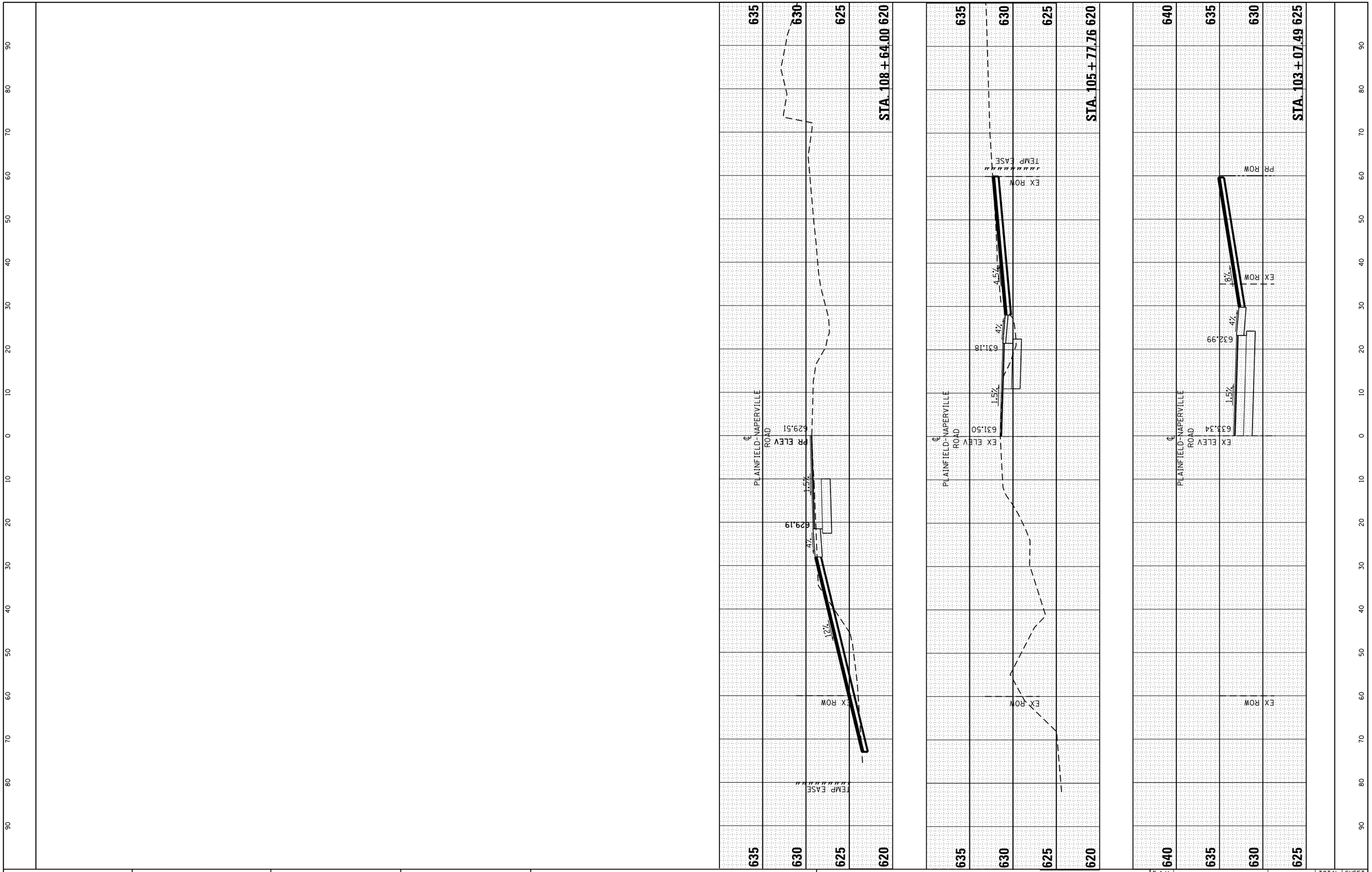
PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS - PLAINFIELD-NAPERVILLE ROAD - DRIVEWAYS

SCALE: 1"=10' (H) 1"=5' (V) | SHEET NO.9 OF10 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	95

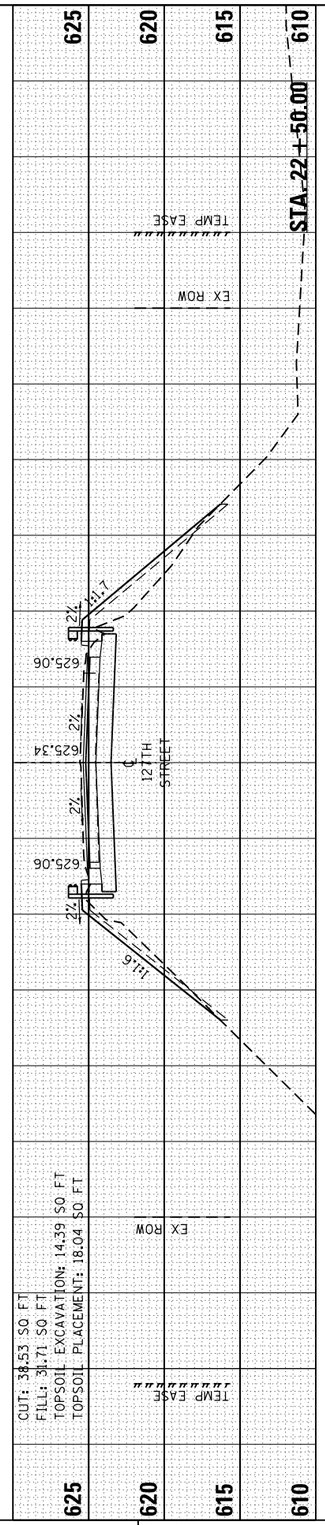
CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT



FILE NAME =	USER NAME = untitled	DESIGNED - GG	REVISED -	VILLAGE OF PLAINFIELD DEPARTMENT OF PUBLIC WORKS	PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD CROSS SECTIONS – PLAINFIELD–NAPERVILLE ROAD – DRIVEWAYS
		DRAWN - GG	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - AM	REVISED -		
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=10' (H) 1"=5' (V) SHEET NO.10 OF10 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	96
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		



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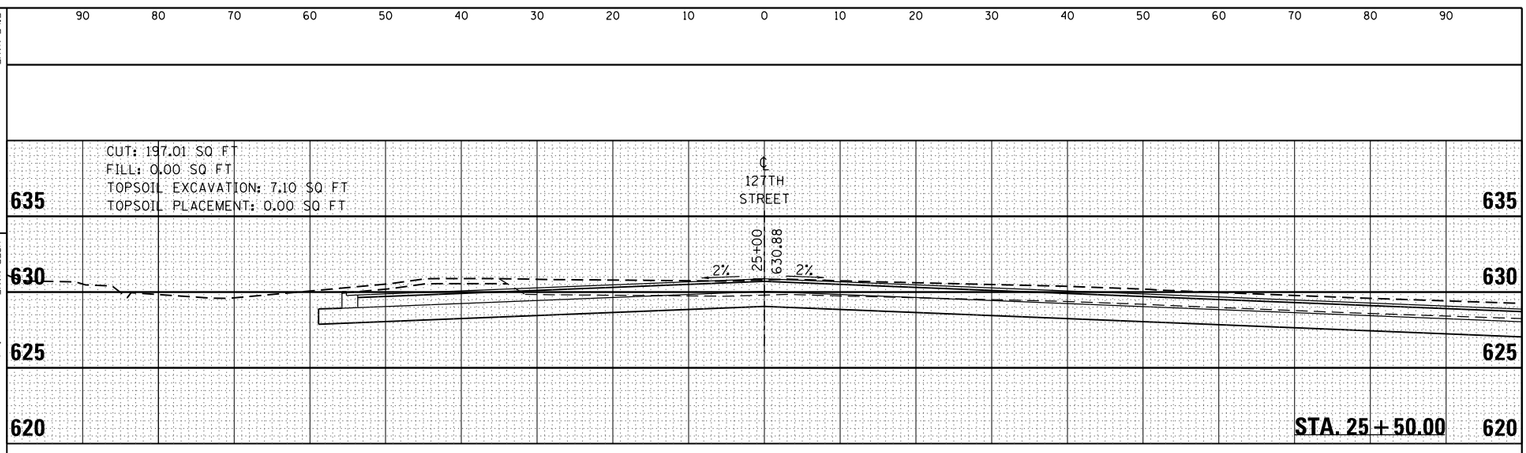
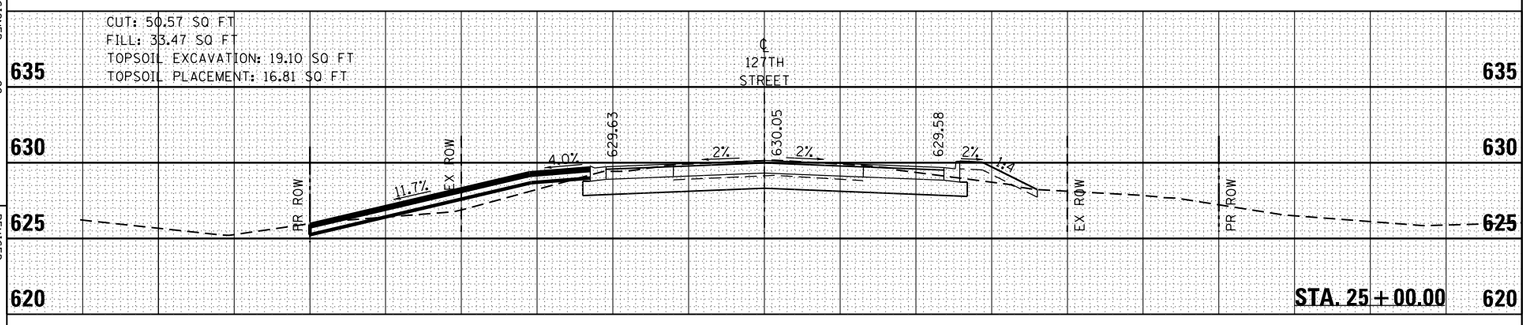
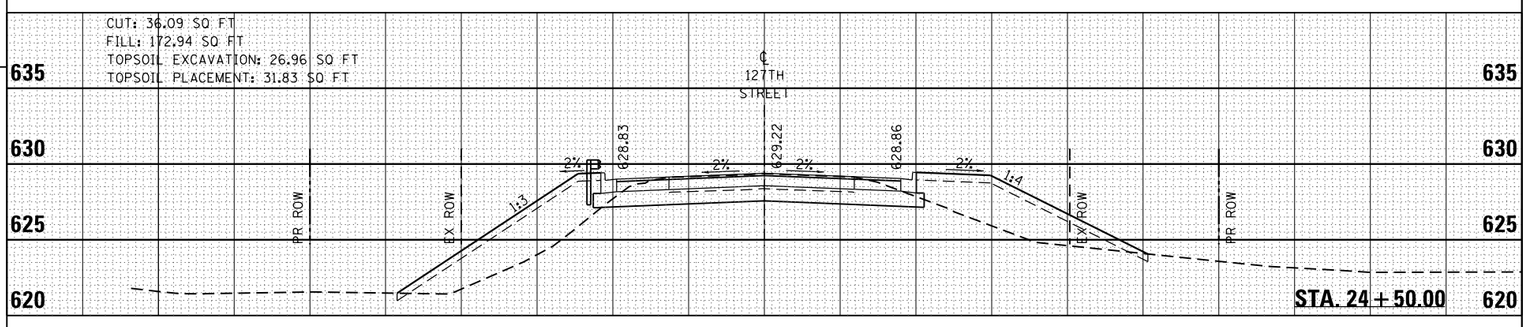
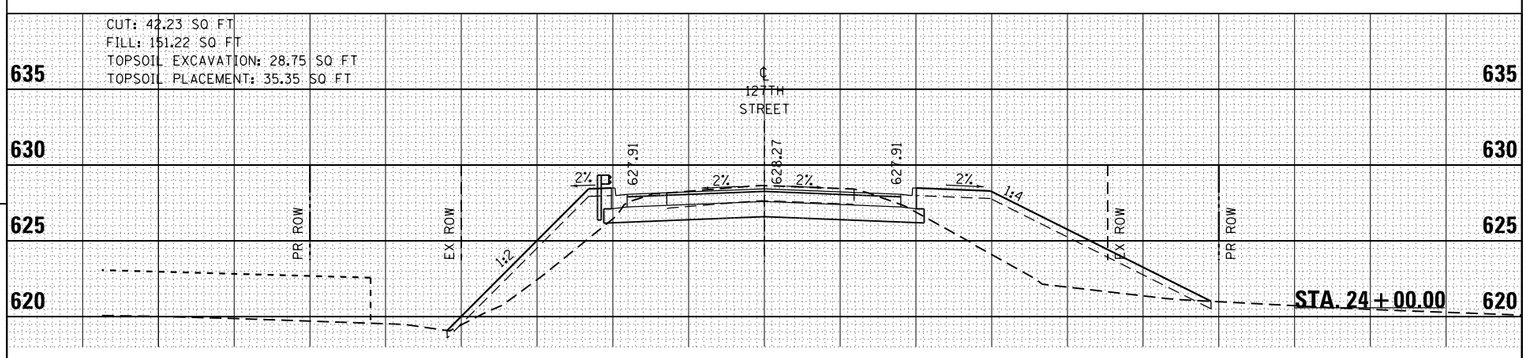
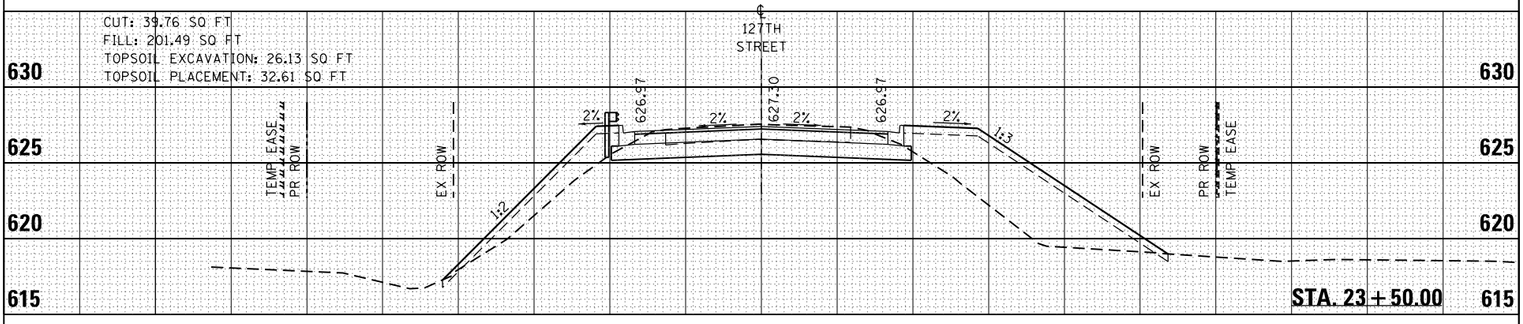
		DRAWN - GG	REVISED -			324	08-00044-00-WR	WILL	102 / 97
	PLOT SCALE = 20.0000 ' / in.	CHECKED - AM	REVISED -					CONTRACT NO. 61J25	
	PLOT DATE = 10/23/2024	DATE - 10/23/2024	REVISED -		SCALE: 1"=10' (H) 1"=5' (V) / SHEET NO.1 OF6 SHEETS / STA. 19+00 TO STA. 22+50		ILLINOIS FED. AID PROJECT		

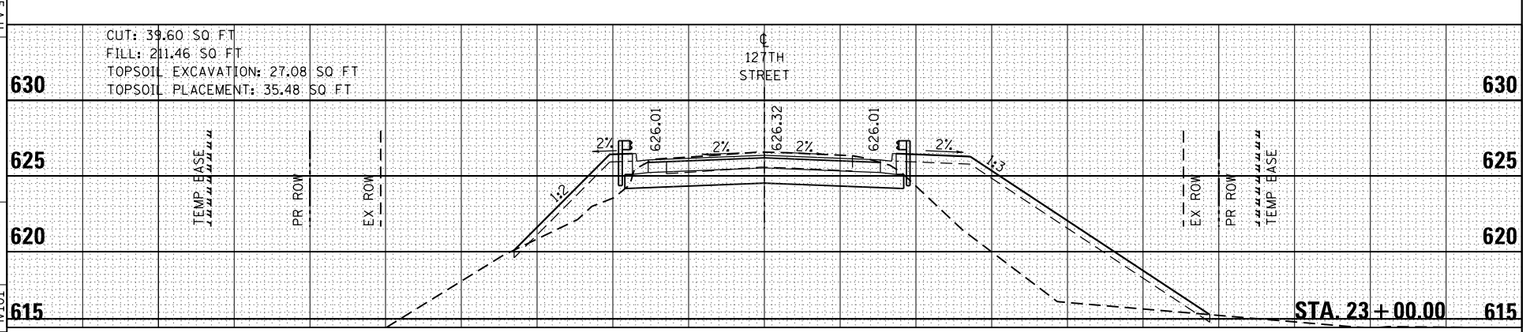












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VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

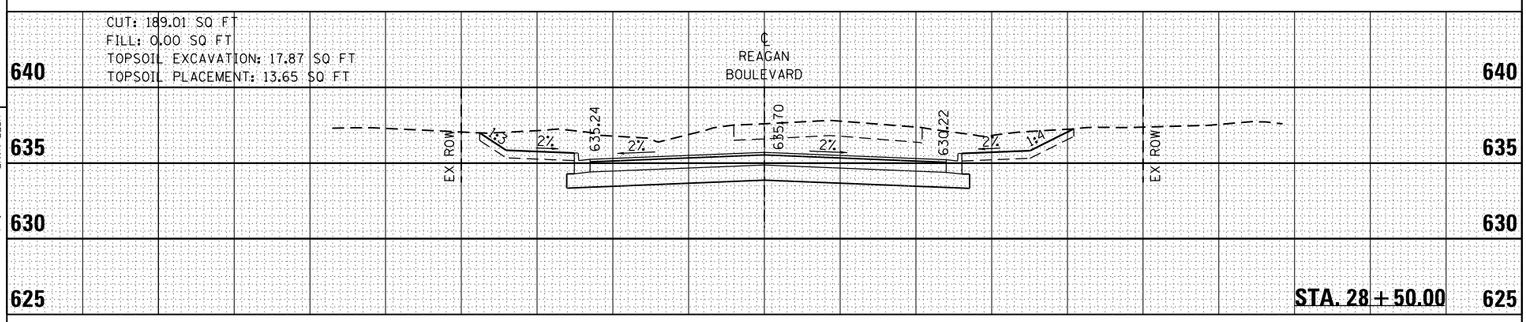
PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS - 127TH STREET

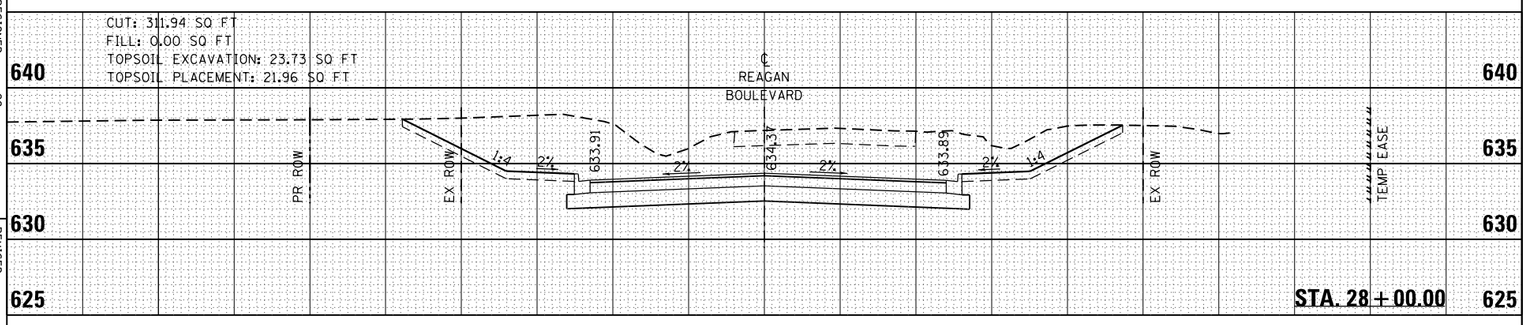
SCALE: 1"=10' (H) 1"=5' (V) | SHEET NO.2 OF 6 SHEETS | STA. 23+00 TO STA. 25+50

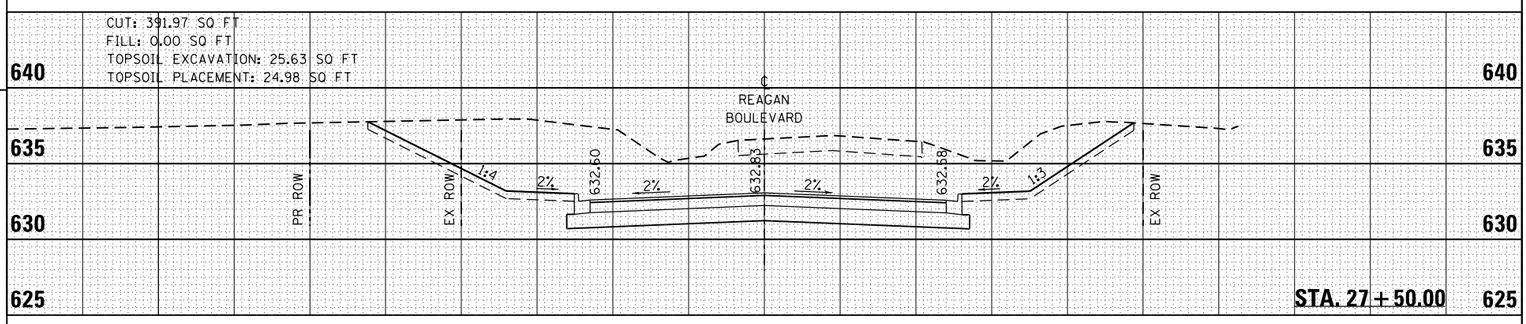
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	98

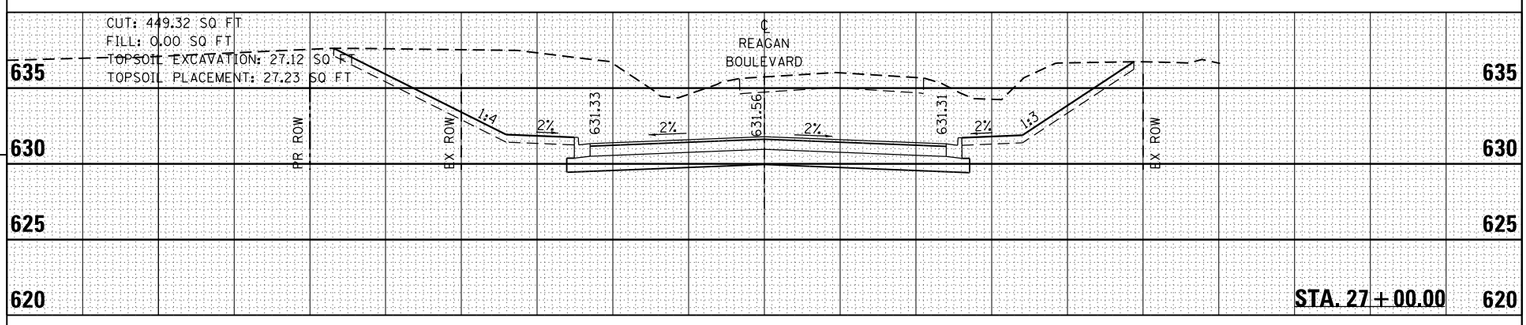
CONTRACT NO. 61J25

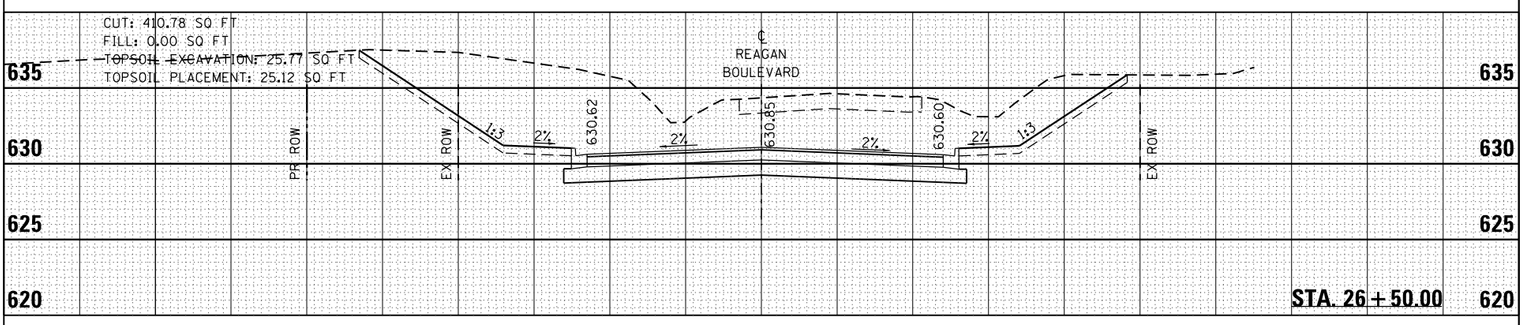
ILLINOIS FED. AID PROJECT

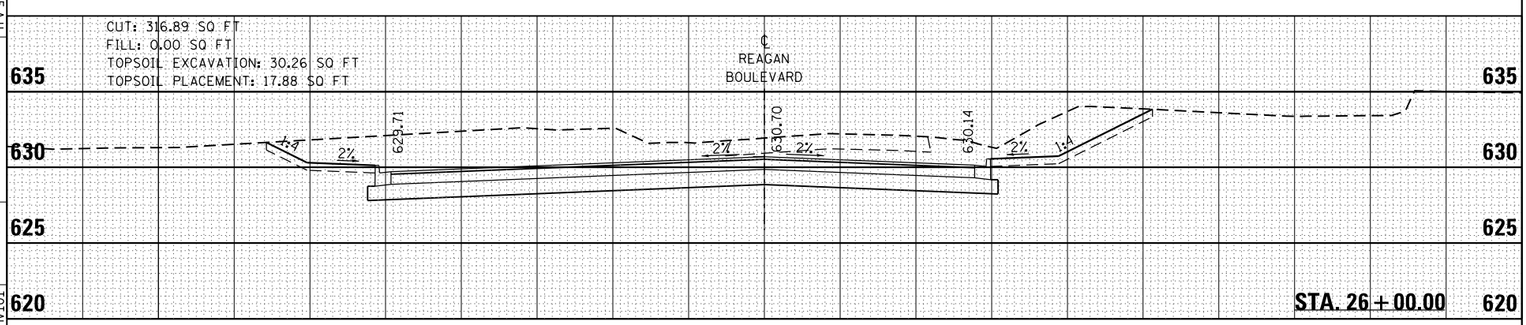












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DATE -	10/23/2024	REVISED -	

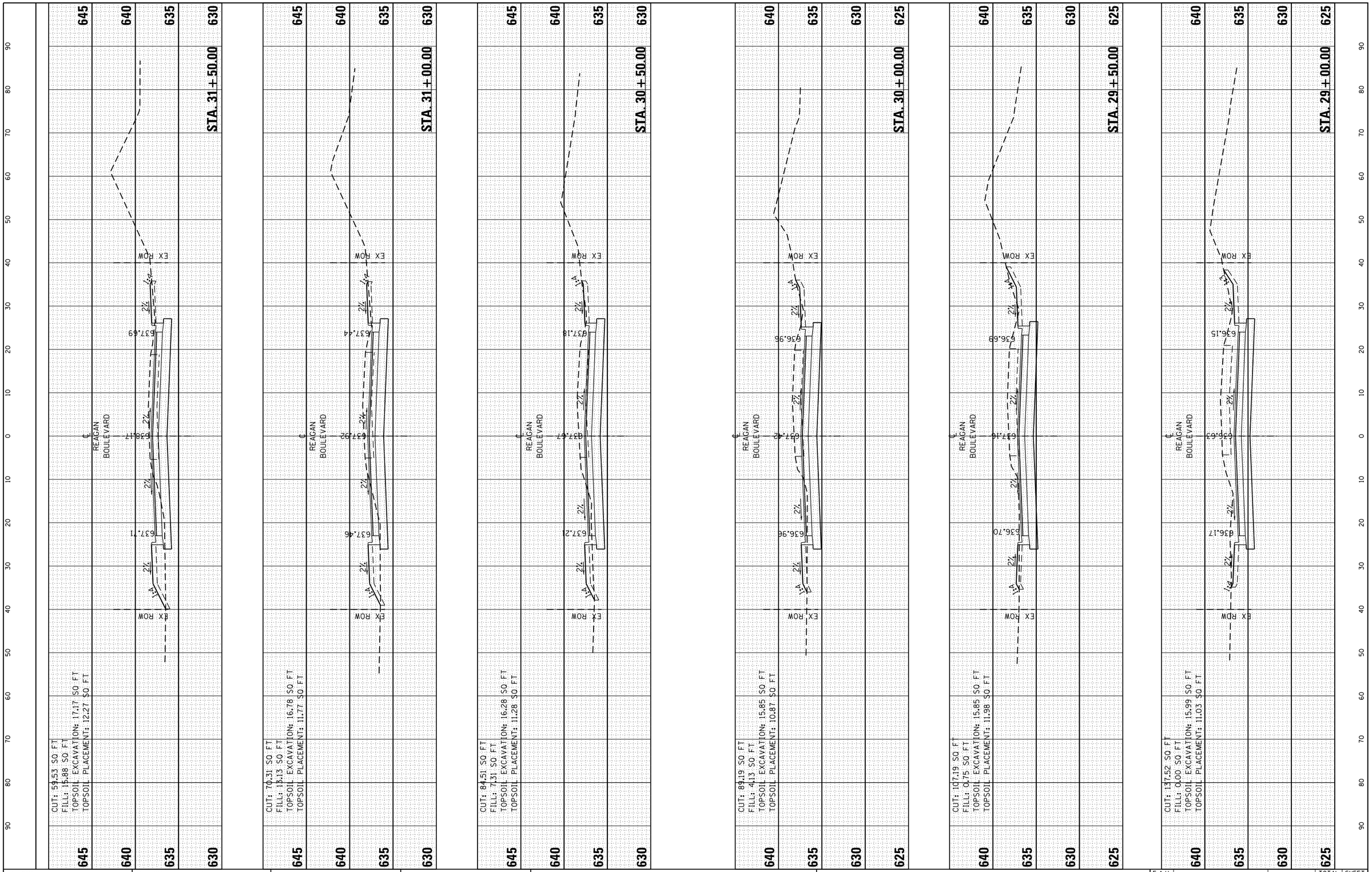
VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD-NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS - 127TH STREET

SCALE: 1"=10' (H) 1"=5' (V)
SHEET NO.3 OF 6 SHEETS
STA. 26+00 TO STA. 28+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	39

CONTRACT NO. 61J25
ILLINOIS FED. AID PROJECT



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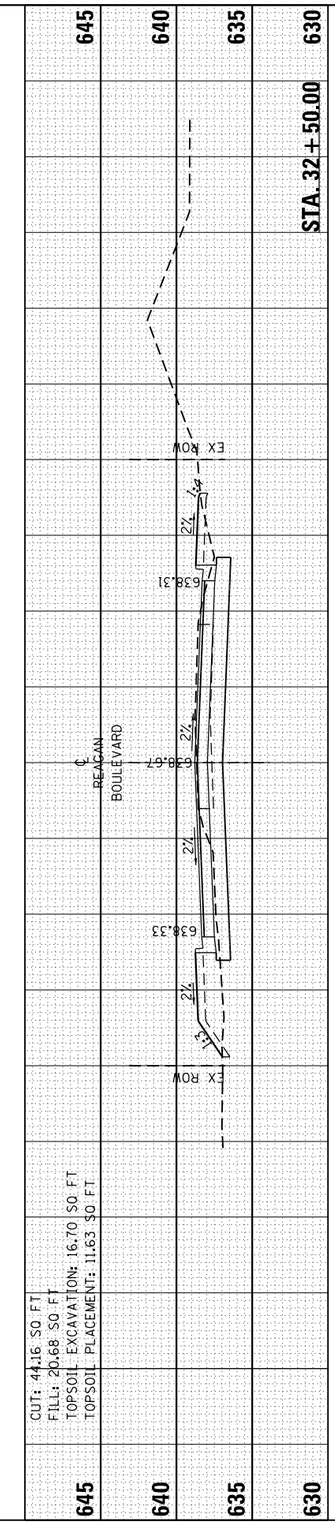
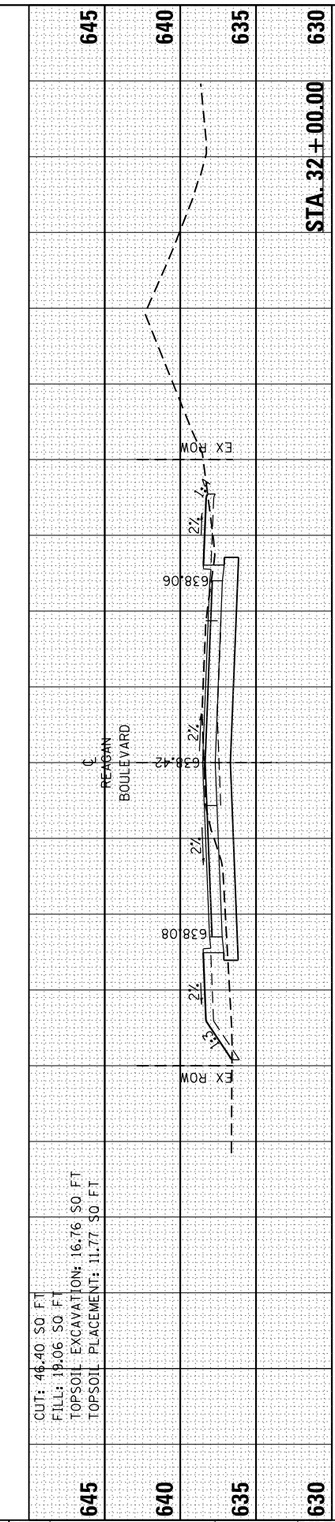
VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS – 127TH STREET

SCALE: 1"=10' (H) 1"=5' (V) | SHEET NO.4 OF6 SHEETS | STA. 29+00 TO STA. 31+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	100
		CONTRACT NO. 61J25		
		ILLINOIS FED. AID PROJECT		





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VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

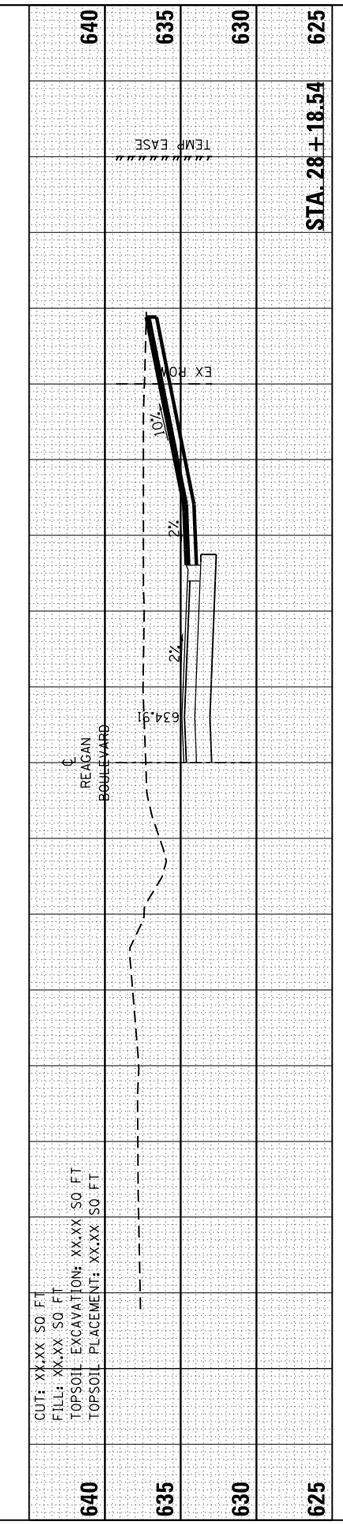
PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS – 127TH STREET

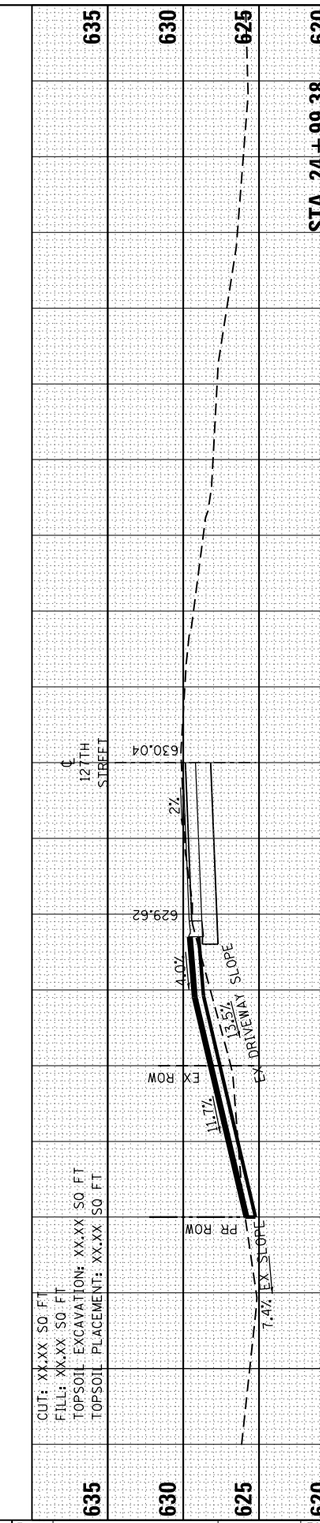
SCALE: 1"=10' (H) 1"=5' (V) | SHEET NO.5 OF6 SHEETS | STA. 32+00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	101

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT





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VILLAGE OF PLAINFIELD
DEPARTMENT OF PUBLIC WORKS

PLAINFIELD–NAPERVILLE ROAD & 127TH STREET/REAGAN BOULEVARD
CROSS SECTIONS – 127TH STREET – DRIVEWAYS

SCALE: 1"=10' (H) 1"=5' (V) | SHEET NO.6 OF6 SHEETS | STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	08-00044-00-WR	WILL	102	102

CONTRACT NO. 61J25

ILLINOIS FED. AID PROJECT