

06-13-2025 LETTING ITEM 003

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN FOR PROPOSED FEDERAL AID HIGHWAY

FAU 0168 (JOHNSBURG ROAD)
FROM FAIRVIEW AVENUE TO NORTH VILLAGE LIMITS
ROAD RESURFACING IMPROVEMENTS
SECTION 23-00017-00-RS
PROJECT VJXP(750)
VILLAGE OF JOHNSBURG
MCHENRY COUNTY
C-91-167-25

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	23-00017-00-RS	MCHENRY	38	1
ILLINOIS CONTRACT NO.			61L50	

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

TRAFFIC DATA

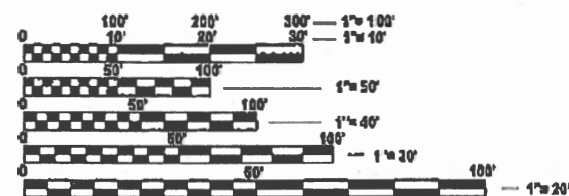
ADT: 2023 TRAFFIC
JOHNSBURG ROAD 7,000 VPD

ROADWAY SPEED LIMIT DESIGN SPEED
JOHNSBURG ROAD 35 MPH 35 MPH

DESIGN DESIGNATION
JOHNSBURG ROAD - MINOR ARTERIAL



JEFFREY J. STRZALKA, P.E.
EXPIRES 06-25



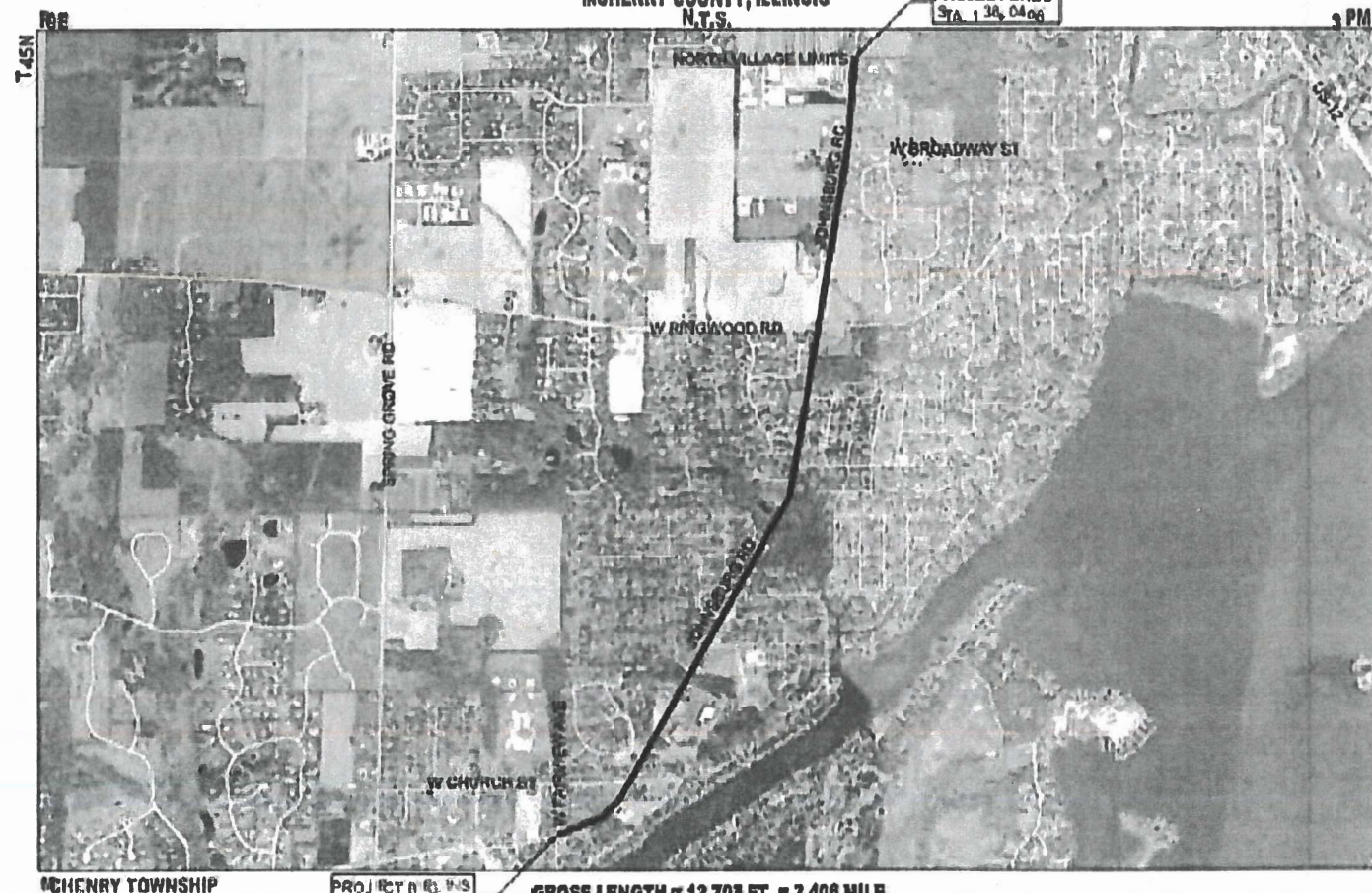
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: B. BELGRAVE
PROJECT MANAGER: J. STRZALKA

CONTRACT NO. 61L50

PROJECT LOCATION MAP MCHENRY COUNTY, ILLINOIS N.T.S.



MCHENRY TOWNSHIP

PROJECT B.E. INS
STA. 11+01.17

GROSS LENGTH = 12,703 FT. = 2.406 MILE
NET LENGTH = 12,703 FT. = 2.406 MILE



HRGreen.com
Illinois Professional Design Firm
184-001322

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 4-23-25
Charles Spinks
VILLAGE OF JOHNSBURG

PASSED APRIL 24, 2025
District One Engineer of Local Roads and Streets

RELEASED FOR BID BASED ON LIMITED REVIEW APRIL 24, 2025
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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DISTRICT ONE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEDMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN

STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C & D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN TYPE A
602306-03	INLET - TYPE B
604036-03	GRATE TYPE 8
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- IT IS THE CONTRACTOR' S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON MUNICIPAL PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING AND CLEANING STREETS OF ANY DEBRIS AND MATERIAL THAT HAS ACCUMULATED AS A RESULT OF THE CONSTRUCTION ACTIVITY. A MECHANICAL SWEEPER, MECHANICALLY DRIVEN AIR AND HANDWORK WITH SHOVEL AND BROOM SHALL BE UTILIZED TO PROVIDE A CLEAN STREET FOR THE MOTORING PUBLIC. WITHIN 24 HOURS OF PLACING TACK COAT AND THE LAYING OF HMA, THE CONTRACTOR SHALL SWEEP THE PAVEMENT AND REMOVE STANDING WATER, EARTH, WEEDS, LEAVES, DIRT, CONSTRUCTION DEBRIS, AND ALL LOOSE MATERIAL.
- THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AND TEMPORARY DRAINAGE OUTLETS WITHIN THE WORK ZONE AT ALL TIMES. SHOULD ANY EXCAVATED AREA BECOME INUDATED WITH WATER DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND REPLACE AND LAYERS OF THE WORK ZONE IMPACTED. IMPACTED AREAS REQUIRING REMEDIATION WILL BE DETERMINED AT THE SOLE DISCRETION OF THE ENGINEER.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE VILLAGE PROPERTY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- PER VILLAGE ORDINANCE, CONSTRUCTION WORK MAY BE PERFORMED MONDAY THRU SATURDAY DURING THE HOURS OF 7:00 A.M. TO 8:00 P.M. AND ON SUNDAYS FROM 8:00 A.M. TO 6:00 P.M. NO WORK MAY BE PERFORMED PRIOR OR BEYOND THIS PERIOD WITHOUT PRIOR WRITTEN APPROVAL FROM THE VILLAGE. SEE JOHNSBURG MUNICIPAL ORDINANCE CHAPTER 43.
- PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO PROXIMITY OF EXISTING WETLANDS/BODIES OF WATER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.

UTILITIES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.

- THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOWLINE OF CULVERTS OR DITCHES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT , ALL DRAINAGE APPURTENANCES SHALL BE FREE OF DIRT AND DEBRIS.
- THE INDISCRIMINATE USE OF FIRE HYDRANTS OR EXISTING STREAMS, CREEKS, WETLANDS OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THIS WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE ENGIEER PRIOR TO USE OF THE WATER.

PAVING

- TRANSVERSE CONSTRUCTION JOINTS WILL BE ALLOWED DURING PAVING PROVIDED THE CONTRACTOR COMPLETE A SAWCUT AT LEAST SIX INCHES INTO THE ADJACENT MAT AT THE START OF PAVING THE FOLLOWING DAY.

SIGNING AND STRIPING

- SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED.
- SEE IDOT DISTRICT ONE DETAILS AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS
- THE APPLICATION AND REMOVAL OF SHORT TERM PAVEMENT MARKINGS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 703 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSTING 'FRESH OIL' SIGNS (48"X48" MINIMUM) AS NEEDED FOR THE PROJECT. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY SIGNS IN THE PARKWAY TWENTY-FOUR (24) HOURS PRIOR TO STARTING WORK. THE CONTRACTOR SHALL REMOVE THE SIGNS AND REINSTALL THEM AS NEEDED.
- IN ACCORDANCE WITH THE IDOT DROP OFF POLICY AT INSTANCES IN WHICH THERE IS A GREATER THAN 1.5 INCH HEIGHT DIFFERENCE IN VERTICAL MILLED FACE, OR WHEN THERE IS A GREATER THAN 2.5 INCH LIFT DIFFERENCE, UNEVEN LANE SIGNS (W8-11) WILL BE REQUIRED.
- 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.

COMMITMENTS

NONE.

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 HRGreen.com Illinda Professional Design Firm # 184-001322 HRGreen®	USER NAME = benjamin.belgrave	DESIGNED - JJS	REVISED - XX/XX/XXXX	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, DISTRICT ONE DETAILS AND GENERAL NOTES JOHNSBURG ROAD					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - BJB	REVISED - XX/XX/XXXX							0168	23-00017-00-RS	MCHENRY	36	2	
	PLOT SCALE = 0.16666633' / In.	CHECKED -	REVISED - XX/XX/XXXX									CONTRACT NO.		61L50	
	PLOT DATE = 4/2/2025	DATE - 3/27/2025	REVISED - XX/XX/XXXX												
				SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.						

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				STU 80% FEDERAL 20% LOCAL 0005
20200100	EARTH EXCAVATION	CU YD	154	154
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	95	95
20400800	FURNISHED EXCAVATION	CU YD	14	14
20800150	TRENCH BACKFILL	CU YD	51	51
21101615	TOPSOIL FURNISHAND PLACE, 4"	SQ YD	1,059	1,059
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23
25100630	EROSION CONTROL BLANKET	SQ YD	1,059	1,059
28000400	PERIMETER EROSION BARRIER	FOOT	612	612
28000510	INLET FILTERS	EACH	9	9
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	385	385
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	33,175	33,175
40600370	LONGITUDINAL JOINT SEALANT	FOOT	18,849	18,849
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	50	50
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	530	530
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	6,195	6,195
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	4,820	4,820

* SPECIALTY ITEM



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PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED - XX/XX/XXXX
PLOT DATE = 4/2/2025	DATE - 3/27/2025	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
JOHNSBURG ROAD

SCALE: SHEET 1 OF 4 SHEETS TO STA.

FAU- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	23-00017-00-RS	MCHENRY	36	3
		CONTRACT NO.	61L50	
		ILLINOIS	FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				STU 80% FEDERAL 20% LOCAL 0005
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	75	75
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	6,375	6,375
42400800	DETECTABLE WARNINGS	SQ FT	332	332
44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"	SQ YD	49,148	49,148
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	717	717
44000600	SIDEWALK REMOVAL	SQ FT	2,915	2,915
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	495	495
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	495	495
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	615	615
48101200	AGGREGATE SHOULDERS, TYPE B	TON	652	652
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	208	208
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	91	91
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1
67100100	MOBILIZATION	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1

* SPECIALTY ITEM



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USER NAME	= benjamin.belgrave
DRAWN	- BJB
PLOT SCALE	= 0.16666633" / in.
PLOT DATE	= 4/2/2025

DESIGNED	- JJS
CHECKED	-
DATE	- 3/27/2025

REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
JOHNSBURG ROAD

SCALE:	SHEET 2 OF 4 SHEETS	STA.	TO STA.
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FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	23-00017-00-RS	MCHENRY	36	4
		CONTRACT NO. 61L50		
		ILLINOIS FED. AID PROJECT		

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		DRAWN	-	BJB	REVISED	-	XX/XX/XXXX
PLOT SCALE	= 0.16666633" / in.	CHECKED	-		REVISED	-	XX/XX/XXXX
PLOT DATE	= 4/2/2025	DATE	-	3/27/2025	REVISED	-	XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
JOHNSBURG ROAD

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	23-00017-00-RS	MCHENRY	36	5
		CONTRACT NO.	61L50	
ILLINOIS FED. AID PROJECT				

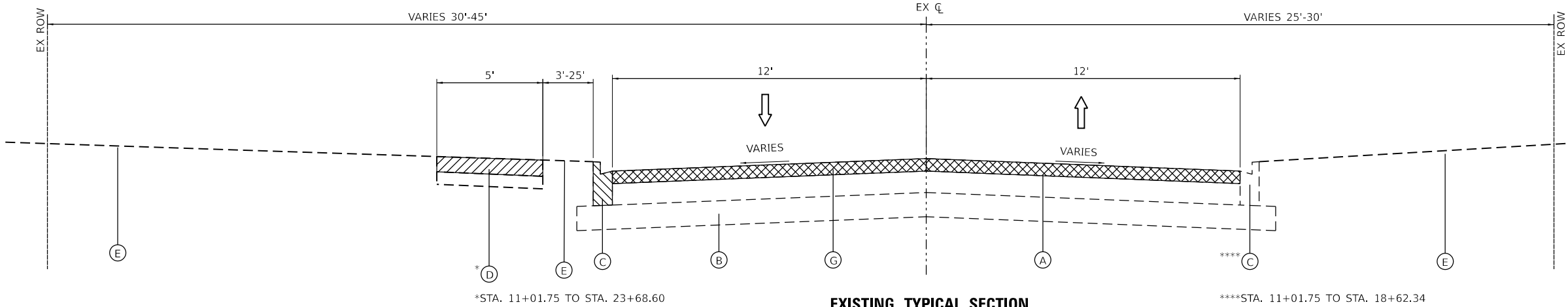
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				STU 80% FEDERAL 20% LOCAL 0005
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	19,135	19,135
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	16,789	16,789
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	630	630
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	45,289	45,289
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,925	1,925
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,798	1,798
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	279	279
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	630	630
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	45,289	45,289
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	1,925	1,925
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1,798	1,798
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	279	279
X0326806	WASHOUT BASIN	L SUM	1	1
X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	50	50
X4060280	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	680	680
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)	SQ YD	599	599

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				STU 80% FEDERAL 20% LOCAL 0005
X4400223	CURB REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	13	13
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	95	95
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	2,717	2,717
X5015225	PIPE CULVERT REMOVAL (SPECIAL)	FOOT	123	123
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	6	6
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	103	103
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1

* SPECIALTY ITEM

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EXISTING TYPICAL SECTION

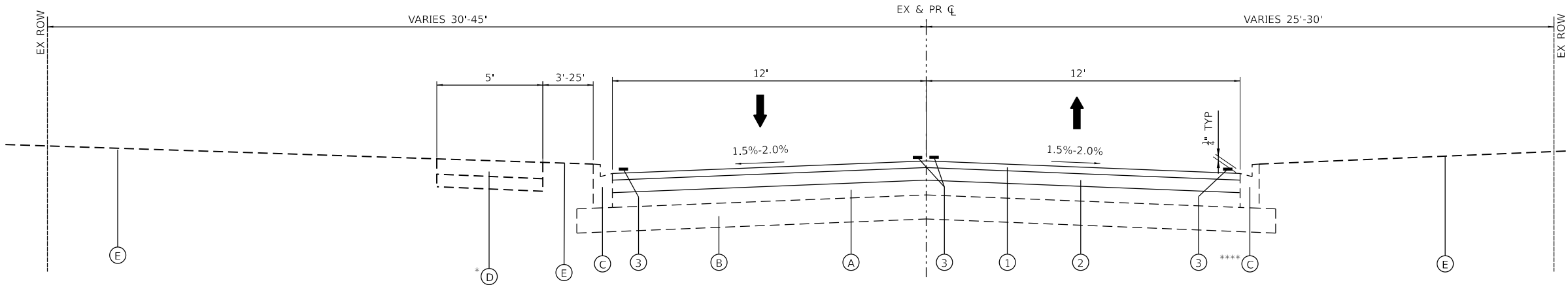
JOHNSBURG ROAD
STA. 11+01.75 TO STA. 23+68.60
STA. 84+51.84 TO STA. 90+50.60

EXISTING TYPICAL SECTION

- (A) HOT-MIX ASPHALT PAVEMENT; SEE TABLE
- (B) AGGREGATE BASE COURSE; SEE TABLE
- (C) COMBINATION CONCRETE CURB & GUTTER, TYPE VARIES
- (D) PCC SIDEWALK
- (E) EXISTING GROUND
- (F) EXISTING AGGREGATE/EARTH SHOULDER
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- (H) EXISTING DITCH

- HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- PCC SIDEWALK REMOVAL & REPLACEMENT (SPOT REMOVAL & REPLACEMENT AS DIRECTED BY THE ENGINEER)
- COMBINATION CONCRETE CURB & GUTTER REMOVAL & REPLACEMENT (SPOT REMOVAL & REPLACEMENT AS DIRECTED BY THE ENGINEER)

NOTES:
IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE CURB AND GUTTER TYPE.



PROPOSED TYPICAL SECTION

JOHNSBURG ROAD
STA. 11+01.75 TO STA. 23+68.60
STA. 84+51.84 TO STA. 90+50.60

PROPOSED TYPICAL SECTION

- ① HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX 'D', N70; 1 3/4"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/4"
- ③ PAVEMENT MARKING, LINE 4"
- ④ AGGREGATE SHOULDERS, TYPE B

EXISTING PAVEMENT THICKNESS TABLE

LOCATION	THICKNESS
N JOHNSBURG RD	
HMA	10"
GRANULAR BASE	23"

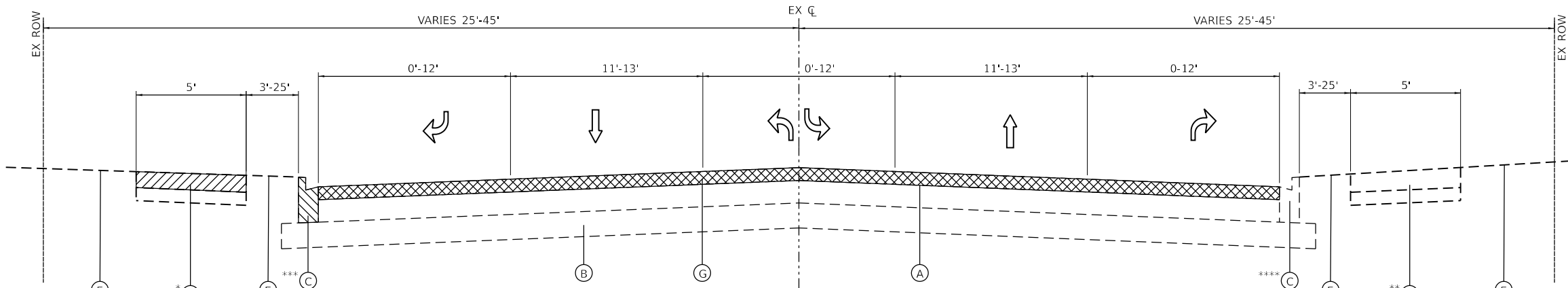
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
HMA DRIVEWAY PAVEMENT 3"		
HMA SURFACE COURSE, MIX "D", N50; (IL-9.5mm); 3"	4.0% @ 50 GYR.	LR 1030-2
RESURFACING		
HMA SURFACE COURSE, IL-9.5, MIX "D", N70; 1 3/4"	4.0% @ 70 GYR.	LR 1030-2
HMA BINDER COURSE, IL-19.0, N70; 2 1/4"	4.0% @ 70 GYR.	LR 1030-2
INCIDENTAL HOT-MIX ASPHALT SURFACING		
HMA SURFACE COURSE, IL-9.5, MIX "D", N70; 1 3/4"	4.0% @ 70 GYR.	LR 1030-2
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0mm); 6"	4.0% @ 70 GYR.	LR 1030-2
QMP DESIGNATIONS: QC/QA PER LOCAL ROADS SPECIFICATION 1030-2		

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTIES IS 112 LBS/SQ YD/IN.

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

PATCHING LOCATIONS TO BE DETERMINED BY THE ENGINEER AFTER MILLING OPERATIONS.

LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HMA BC, IL-19.0, N70



*STA. 23+68.60 TO STA. 55+78.90
STA. 132+11.46 TO STA. 136+81.91

***STA. 23+68.60 TO STA. 25+52.80
STA. 28+04.21 TO STA. 30+14.98
STA. 42+33.71 TO STA. 55+05.65
SRA. 132+11.46 TO STA. 134+25.63

EXISTING TYPICAL SECTION

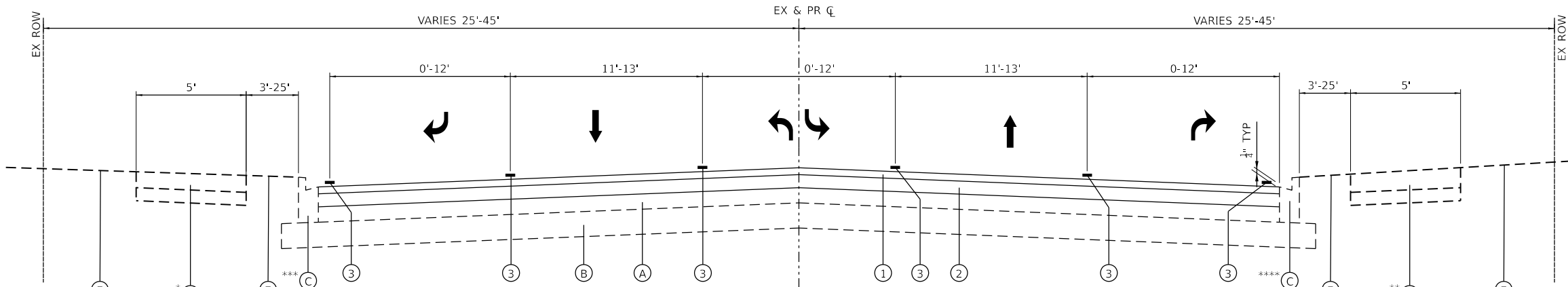
JOHNSBURG ROAD
STA. 23+68.60 TO STA. 64+44.63
STA. 132+11.46 TO STA. 136+81.91

**STA. 23+68.60 TO STA. 35+93.12
STA. 46+45.06 TO STA. 46+64.09
STA. 62+75.29 TO STA. 64+44.63
****STA. 34+81.50 TO STA. 37+86.45
STA. 38+29.53 TO STA. 55+59.77
STA. 60+54.30 TO STA. 64+44.63

- EXISTING TYPICAL SECTION**
- (A) HOT-MIX ASPHALT PAVEMENT; SEE TABLE
 - (B) AGGREGATE BASE COURSE; SEE TABLE
 - (C) COMBINATION CONCRETE CURB & GUTTER, TYPE VARIES
 - (D) PCC SIDEWALK
 - (E) EXISTING GROUND
 - (F) EXISTING AGGREGATE/EARTH SHOULDER
 - (G) HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
 - (H) EXISTING DITCH

- HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- PCC SIDEWALK REMOVAL & REPLACEMENT (SPOT REMOVAL & REPLACEMENT AS DIRECTED BY THE ENGINEER)
- COMBINATION CONCRETE CURB & GUTTER REMOVAL & REPLACEMENT (SPOT REMOVAL & REPLACEMENT AS DIRECTED BY THE ENGINEER)

NOTES:
IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE CURB AND GUTTER TYPE.



PROPOSED TYPICAL SECTION

JOHNSBURG ROAD
STA. 23+68.60 TO STA. 64+44.63
STA. 132+11.46 TO STA. 136+81.91

- PROPOSED TYPICAL SECTION**
- ① HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX 'D', N70; 1 3/4"
 - ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/4"
 - ③ PAVEMENT MARKING, LINE 4"
 - ④ AGGREGATE SHOULDERS, TYPE B

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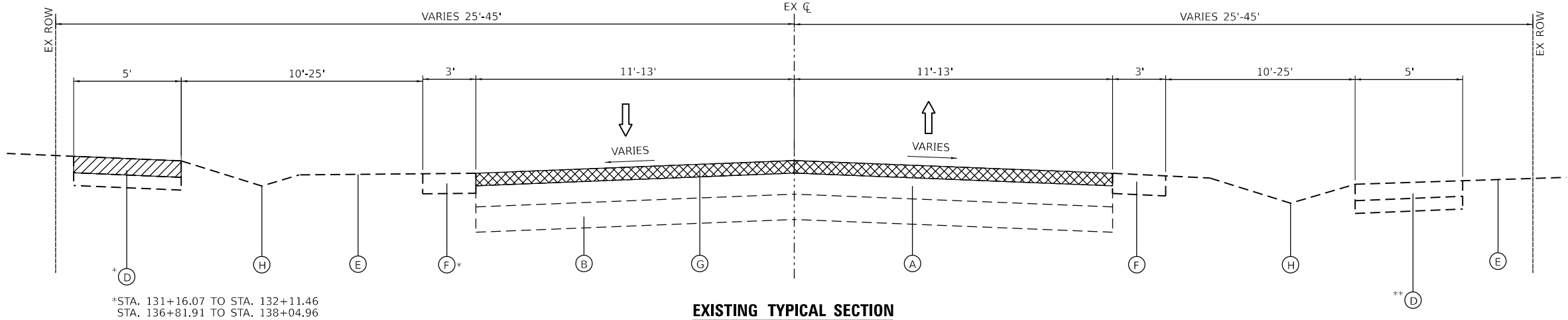
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PLOT DATE	= 4/2/2025	DATE	- 3/27/2025	REVISED	- XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
JOHNSBURG ROAD

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	23-00017-00-RS	MCHENRY	36	8
			CONTRACT NO.	61L50
			ILLINOIS	FED. AID PROJECT



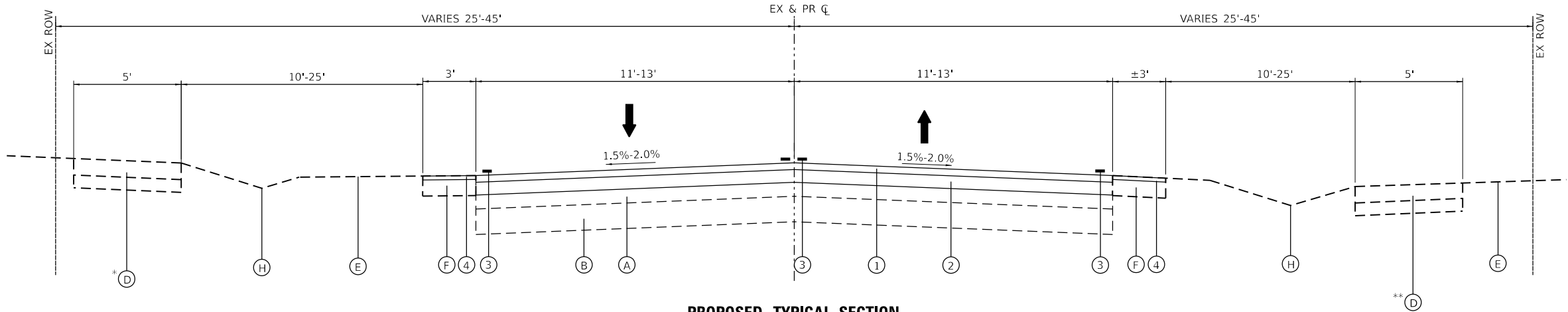
EXISTING TYPICAL SECTION

JOHNSBURG ROAD
STA. 64+44.63 TO STA. 84+51.84
STA. 90+50.60 TO STA. 132+11.46
STA. 136+81.91 TO STA. 138+04.96

- EXISTING TYPICAL SECTION**
- (A) HOT-MIX ASPHALT PAVEMENT; SEE TABLE
 - (B) AGGREGATE BASE COURSE; SEE TABLE
 - (C) COMBINATION CONCRETE CURB & GUTTER, TYPE VARIES
 - (D) PCC SIDEWALK
 - (E) EXISTING GROUND
 - (F) EXISTING AGGREGATE/EARTH SHOULDER
 - (G) HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
 - (H) EXISTING DITCH

- HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- PCC SIDEWALK REMOVAL & REPLACEMENT (SPOT REMOVAL & REPLACEMENT AS DIRECTED BY THE ENGINEER)
- COMBINATION CONCRETE CURB & GUTTER REMOVAL & REPLACEMENT (SPOT REMOVAL & REPLACEMENT AS DIRECTED BY THE ENGINEER)

NOTES:
IT IS THE CONTRACTOR'S RESPONSIBILITY TO
DETERMINE THE CURB AND GUTTER TYPE.



PROPOSED TYPICAL SECTION

JOHNSBURG ROAD
STA. 64+44.63 TO STA. 84+51.84
STA. 90+50.60 TO STA. 132+11.46
STA. 136+81.91 TO STA. 138+04.96

- PROPOSED TYPICAL SECTION**
- ① HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX 'D', N70; 1 3/4"
 - ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/4"
 - ③ PAVEMENT MARKING, LINE 4"
 - ④ AGGREGATE SHOULDERS, TYPE B

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PLOT DATE	= 4/2/2025	DATE	- 3/27/2025	REVISED	- XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
JOHNSBURG ROAD

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	23-00017-00-RS	MCHENRY	36	9
CONTRACT NO. 61L50				
ILLINOIS		FED. AID PROJECT		

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DESIGNED	-	JJS
DRAWN	-	BJB
CHECKED	-	
DATE	-	3/27/2025

REVISED	-	XX/XX/XXXX
REVISED	-	XX/XX/XXXX
REVISED	-	XX/XX/XXXX
REVISED	-	XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES - SIDEWALK EARTHWORK
JOHNSBURG ROAD

SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.
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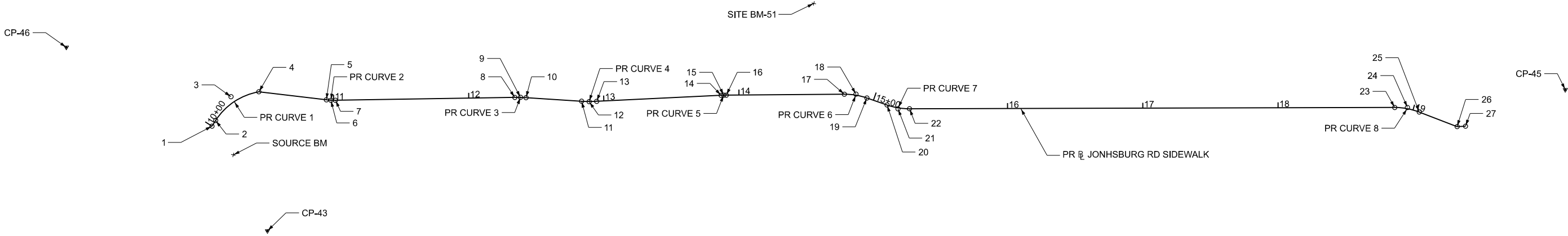
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0168	23-00017-00-RS	MCHENRY	36	10
		CONTRACT NO. 61L50		
		ILLINOIS	FED. AID PROJECT	

EARTHWORK SCHEDULE

Johnsburg Road Proposed Sidewalk				
STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE () OR SHORTAGE (-) WITH 15% SHRINKAGE (CU YD)
12+50.00				0.0
13+00.00	5.3	2.7	8.2	-5.9
13+20.00	1.0	7.3	1.3	4.8
13+50.00	1.1	11.5	0.1	9.7
13+70.00	0.7	7.1	0.0	6.0
14+00.00	2.0	10.1	4.2	4.3
14+50.00	5.5	1.5	8.0	-6.7
15+00.00	4.1	1.3	1.7	-0.6
15+50.00	3.8	2.7	0.8	1.5
15+80.00	1.1	15.1	0.0	12.8
16+00.00	0.7	9.7	0.0	8.2
16+50.00	4.5	1.7	1.4	0.0
17+00.00	6.8	0.0	9.2	-9.2
17+50.00	9.3	2.3	26.2	-24.3
17+80.00	3.3	15.8	11.0	2.4
18+00.00	2.4	10.7	5.4	3.7
18+50.00	13.4	12.3	23.8	-13.4
19+00.00	10.4	10.5	13.3	-4.4
TOTALS	75.3	122.1	114.7	-11.0

EARTHWORK SUMMARY

CROSS SECTION BASED			
CODE	DESCRIPTION	JOHNSBURG RD SIDEWALK (CU YD)	TOTAL ADJUSTED W/ WEIGHTED AVERAGE SHRINK FACTOR 1.25 (CU YD)
20200100	EARTH EXCAVATION	123.0	154.0
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	76.0	95.0
20400800	FURNISHED EXCAVATION	11.0	14.0



ALIGNMENT COORDINATES - COUNTY FARM ROAD MUP				
POINT	ALIGNMENT	STATION	N	E
1	POT	10+00.00	2082134.472	1011142.441
2	PC	10+05.00	2082138.967	1011140.251
3	PI	10+25.93	2082157.780	1011131.084
4	PT	10+44.46	2082177.288	1011138.662
5	PC	10+94.73	2082216.882	1011169.634
6	PI	10+98.12	2082219.553	1011171.723
7	PT	11+01.50	2082222.482	1011173.433
8	PC	12+34.09	2082336.888	1011240.444
9	PI	12+38.23	2082340.465	1011242.522
10	PT	12+42.36	2082343.858	1011244.889
11	PC	12+83.52	2082377.617	1011268.441
12	PI	12+89.13	2082382.216	1011271.650
13	PT	12+94.72	2082387.145	1011274.324
14	PC	13+86.77	2082468.053	1011318.221
15	PI	13+88.68	2082469.726	1011319.129
16	PT	13+90.58	2082471.362	1011320.099
17	PC	14+77.89	2082546.342	1011364.837
18	PI	14+86.47	2082553.692	1011369.255
19	PT	14+94.88	2082559.150	1011375.869
20	PC	15+10.67	2082569.201	1011388.050
21	PI	15+19.20	2082574.629	1011394.628
22	PT	15+27.56	2082581.931	1011399.035
23	PC	18+86.25	2082889.025	1011584.373
24	PI	18+95.64	2082897.062	1011589.223
25	PT	19+04.81	2082902.793	1011596.659
26	POT	19+34.81	2082921.105	1011620.421
27	POT	19+41.02	2082926.578	1011623.362

BENCHMARK DATA

SOURCE BENCHMARK
RR SPIKE IN W FACE OF
WOOD POWER POLE
N 2082136.825
E 1011168.792
ELEV = 749.77 (NAVD88)

SITE BENCHMARK 51
NW BOLT ON FIRE
HYDRANT
N 2082561.982
E 1011295.738
ELEV = 753.74 (NAVD88)

CONTROL POINT DATA

CONTROL POINT 43
PK NAIL
N 2082129.308
E 1011229.904
ELEV = 748.05 (NAVD88)

CONTROL POINT 45
PK NAIL
N 2083003.635
E 1011638.610
ELEV = 754.91 (NAVD88)

CONTROL POINT 46
PK NAIL
N 2082072.703
E 1011036.725
ELEV = 748.43 (NAVD88)

CURVE DATA

PR CURVE 1
PI STA = 10+25.93
 $\Delta = 47^{\circ}12'11''$ (RT)
D = $119^{\circ}37'17''$
R = 47.90'
T = 20.93'
L = 39.46
E = 4.37'
PC STA = 10+05.00
PT STA = 10+44.46

PR CURVE 2
PI STA = 10+98.12
 $\Delta = 07^{\circ}45'39''$ (LT)
D = $114^{\circ}35'30''$
R = 50.00'
T = 3.39'
L = 6.77'
E = 0.11'
PC STA = 10+94.73
PT STA = 11+01.50

PR CURVE 3
PI STA = 12+38.23
 $\Delta = 04^{\circ}44'16''$ (RT)
D = $57^{\circ}17'45''$
R = 100.00'
T = 4.14'
L = 8.27
E = 0.09'
PC STA = 12+34.09
PT STA = 12+42.36

PR CURVE 4
PI STA = 12+89.13
 $\Delta = 06^{\circ}25'08''$ (LT)
D = $57^{\circ}17'45''$
R = 100.00'
T = 5.61'
L = 11.20'
E = 0.16'
PC STA = 12+83.52
PT STA = 12+94.72

PR CURVE 5
PI STA = 13+88.68
 $\Delta = 02^{\circ}10'47''$ (RT)
D = $57^{\circ}17'45''$
R = 100.00'
T = 1.90'
L = 3.80
E = 0.02'
PC STA = 13+86.77
PT STA = 13+90.58

PR CURVE 6
PI STA = 14+86.47
 $\Delta = 19^{\circ}27'50''$ (RT)
D = $114^{\circ}35'30''$
R = 50.00'
T = 8.58'
L = 16.99
E = 0.73'
PC STA = 14+77.89
PT STA = 14+94.88

PR CURVE 7
PI STA = 15+19.20
 $\Delta = 19^{\circ}21'36''$ (LT)
D = $114^{\circ}35'30''$
R = 50.00'
T = 8.53'
L = 16.89'
E = 0.72'
PC STA = 15+10.67
PT STA = 15+27.56

PR CURVE 8
PI STA = 18+95.64
 $\Delta = 21^{\circ}16'05''$ (RT)
D = $114^{\circ}35'30''$
R = 50.00'
T = 9.39'
L = 18.56
E = 0.87'
PC STA = 18+86.25
PT STA = 19+04.81

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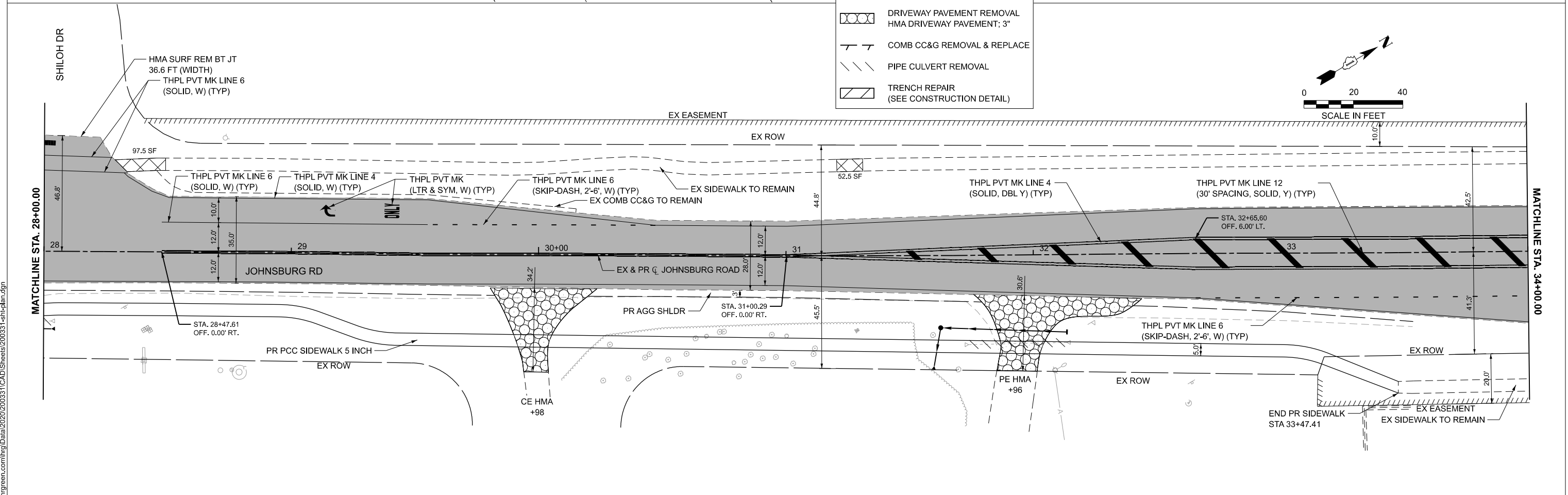
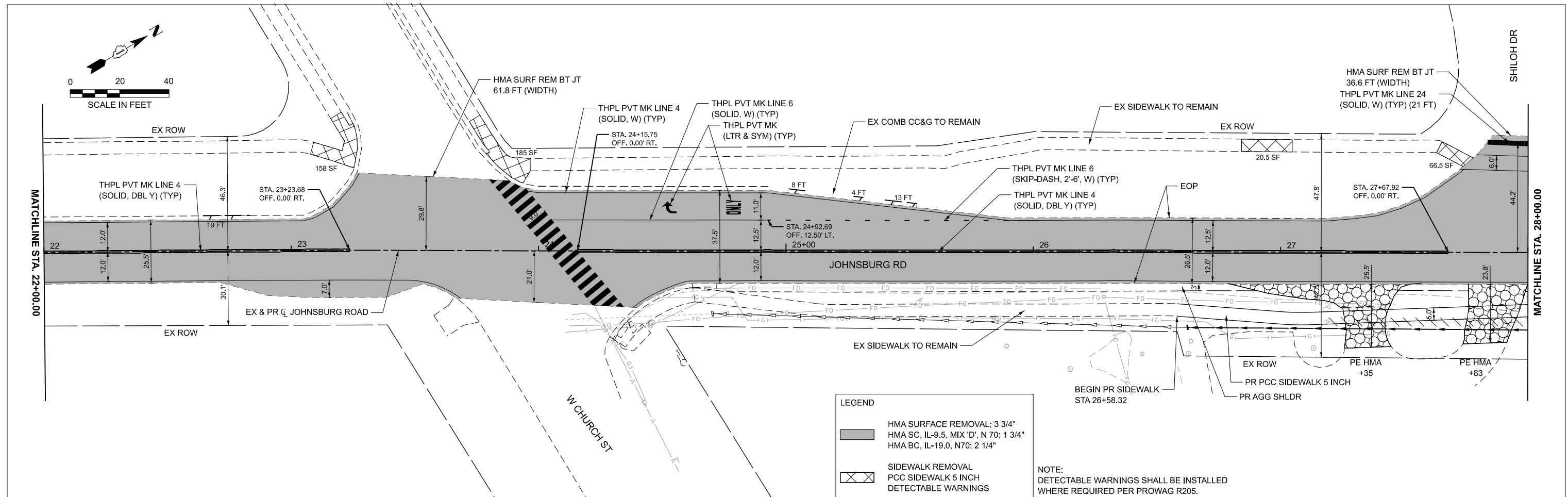
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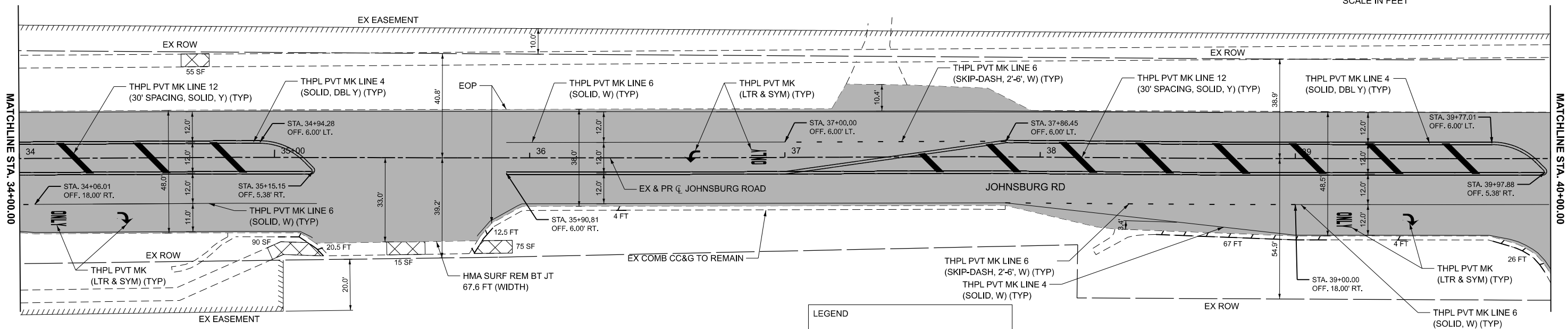
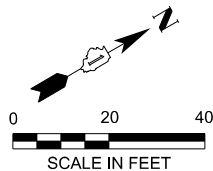
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS - SIDEWALK
JOHNSBURG ROAD

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	23-00017-00-RS	MCHENRY	36	11
		CONTRACT NO.		61L50
		ILLINOIS FED. AID PROJECT		



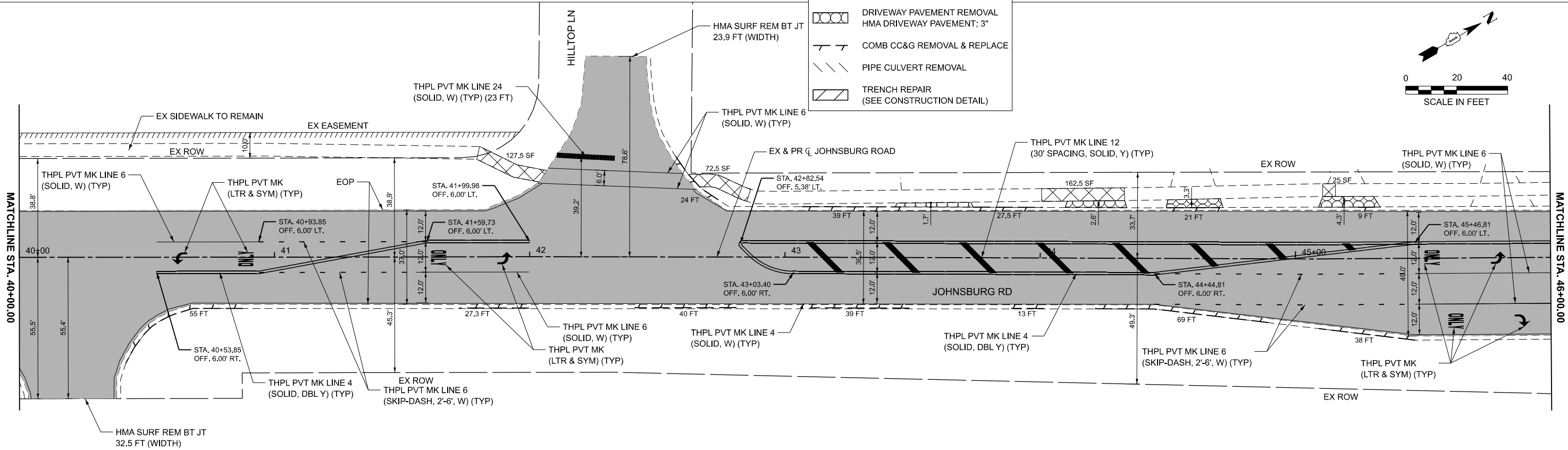
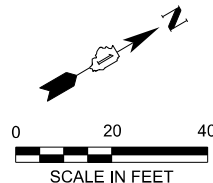


RAYMOND'S BOWL &
ENTERTAINMENT CENTER

LEGEND

- HMA SURFACE REMOVAL; 3 3/4" HMA SC, IL-9.5, MIX 'D', N 70; 1 3/4" HMA BC, IL-19.0, N70; 2 1/4"
- SIDEWALK REMOVAL PCC SIDEWALK 5 INCH DETECTABLE WARNINGS
- DRIVEWAY PAVEMENT REMOVAL HMA DRIVEWAY PAVEMENT; 3"
- COMB CC&G REMOVAL & REPLACE
- PIPE CULVERT REMOVAL
- TRENCH REPAIR (SEE CONSTRUCTION DETAIL)

NOTE:
DETECTABLE WARNINGS SHALL BE INSTALLED
WHERE REQUIRED PER PROWAG R205.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLANS
JOHNSBURG ROAD

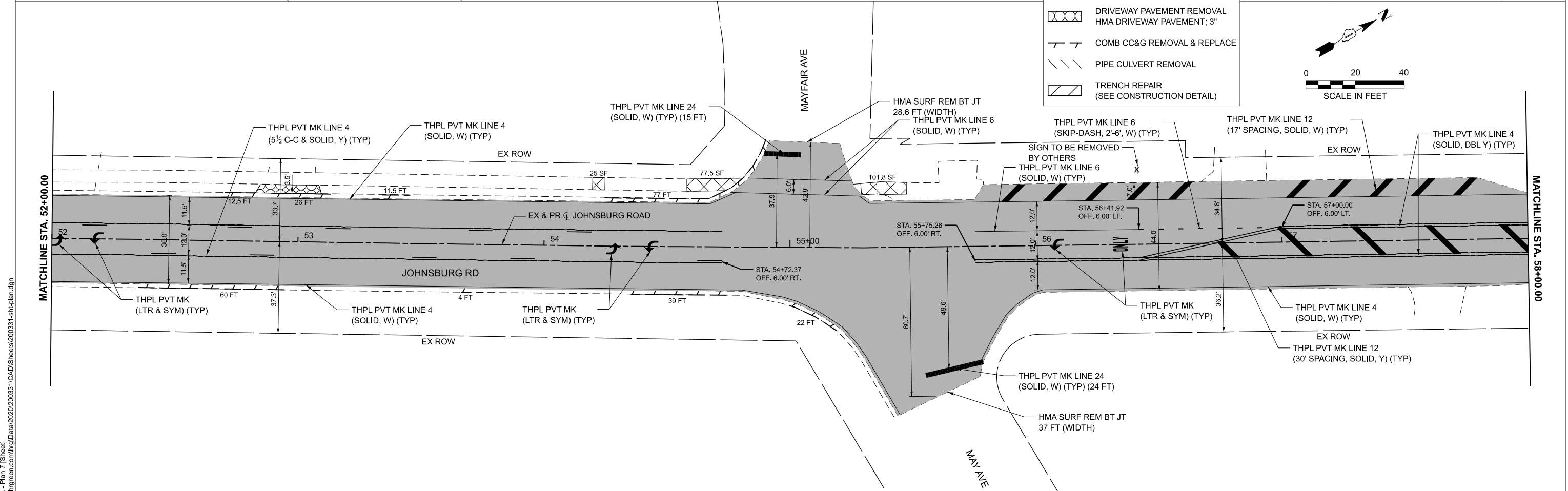
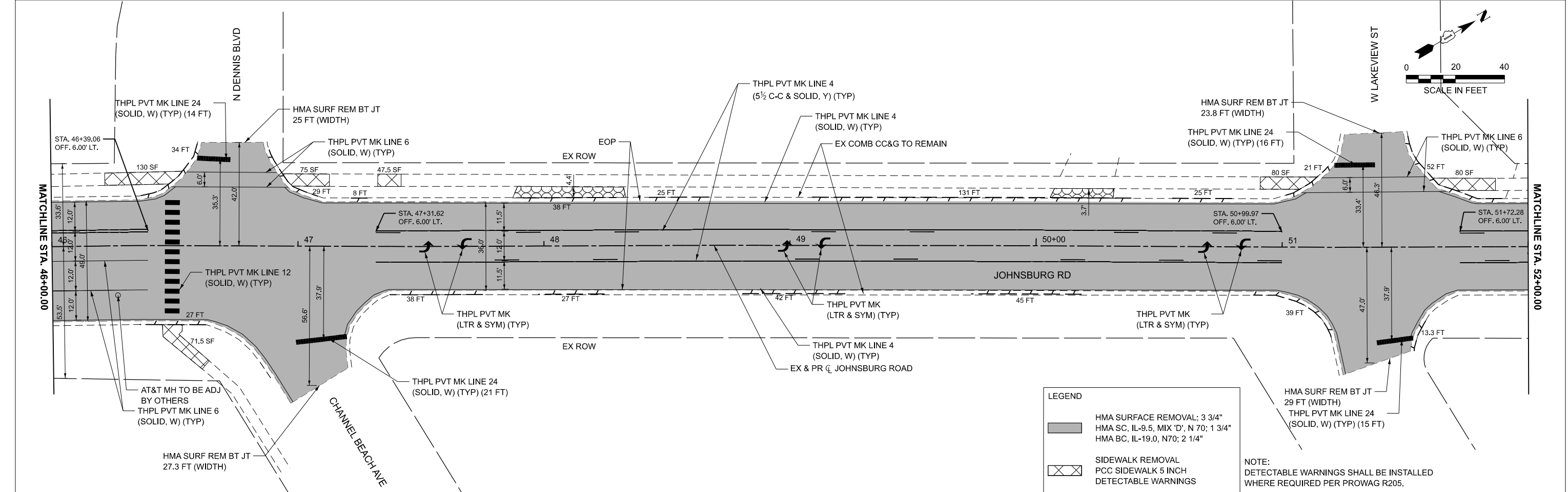
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CONTRACT NO.				61L50
ILLINOIS FED. AID PROJECT				

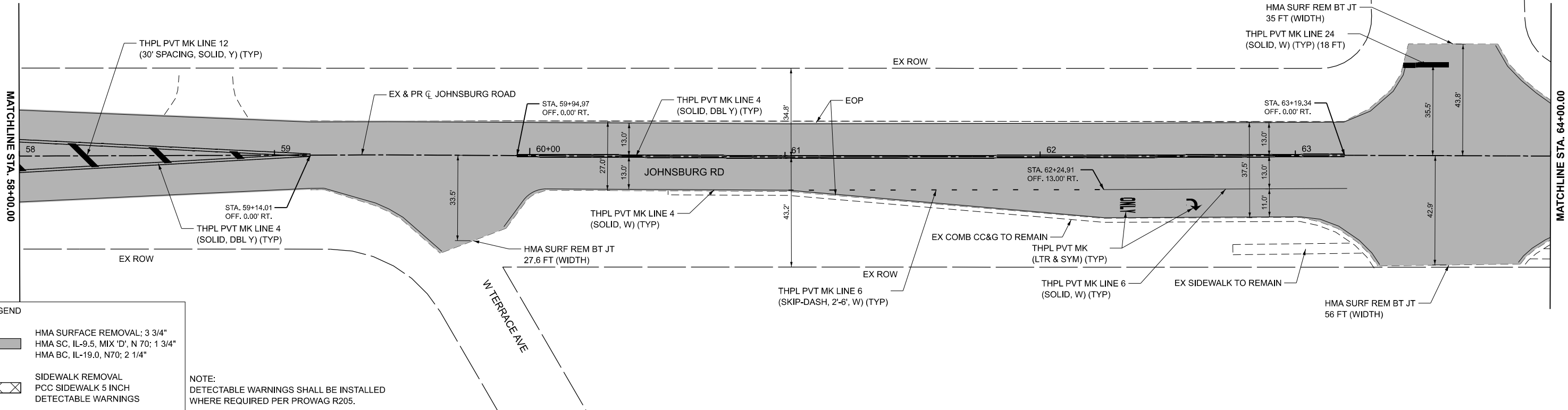
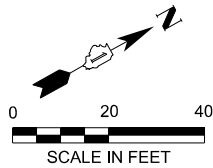
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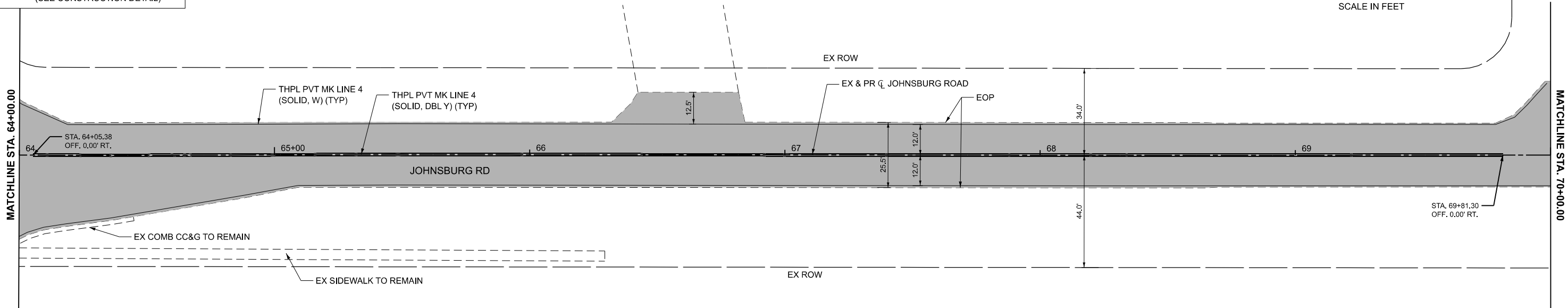
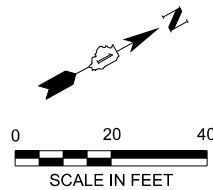
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	DATE - 3/27/2025	REVISED - XX/XX/XXXX





LEGEND	
	HMA SURFACE REMOVAL; 3 3/4" HMA SC, IL-9.5, MIX 'D', N 70; 1 3/4" HMA BC, IL-19.0, N70; 2 1/4"
	SIDEWALK REMOVAL PCC SIDEWALK 5 INCH DETECTABLE WARNINGS
	DRIVEWAY PAVEMENT REMOVAL HMA DRIVEWAY PAVEMENT; 3"
	COMB CC&G REMOVAL & REPLACE
	PIPE CULVERT REMOVAL
	TRENCH REPAIR (SEE CONSTRUCTION DETAIL)

NOTE:
DETECTABLE WARNINGS SHALL BE INSTALLED
WHERE REQUIRED PER PROWAG R205.



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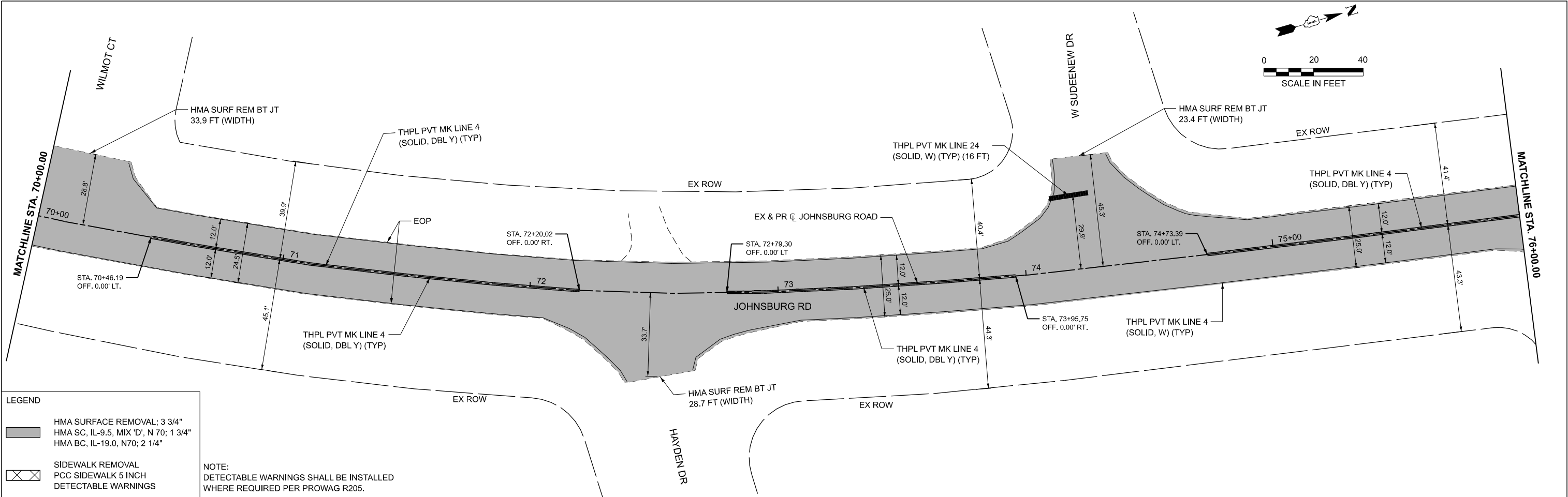
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PLOT DATE	= 4/10/2025	DATE -	3/27/2025	REVISED -	XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLANS
JOHNSBURG ROAD

SCALE: 1"=20' SHEET 5 OF 11 SHEETS STA. 58+00.00 TO STA. 70+00.00

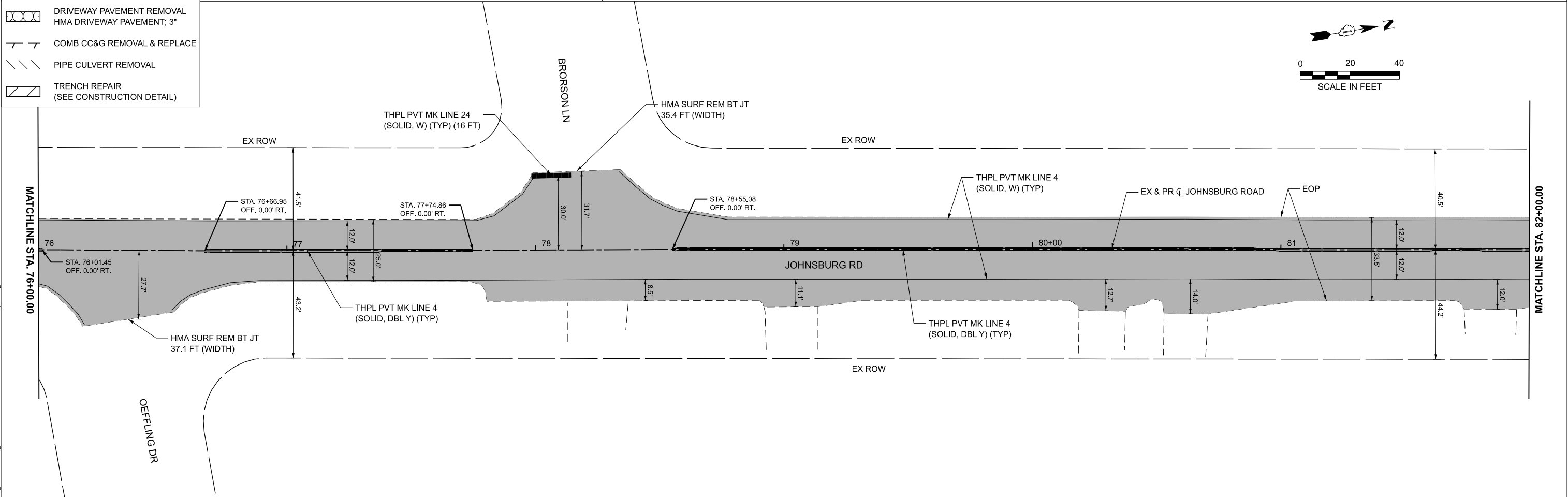
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		ILLINOIS FED. AID PROJECT		



LEGEND

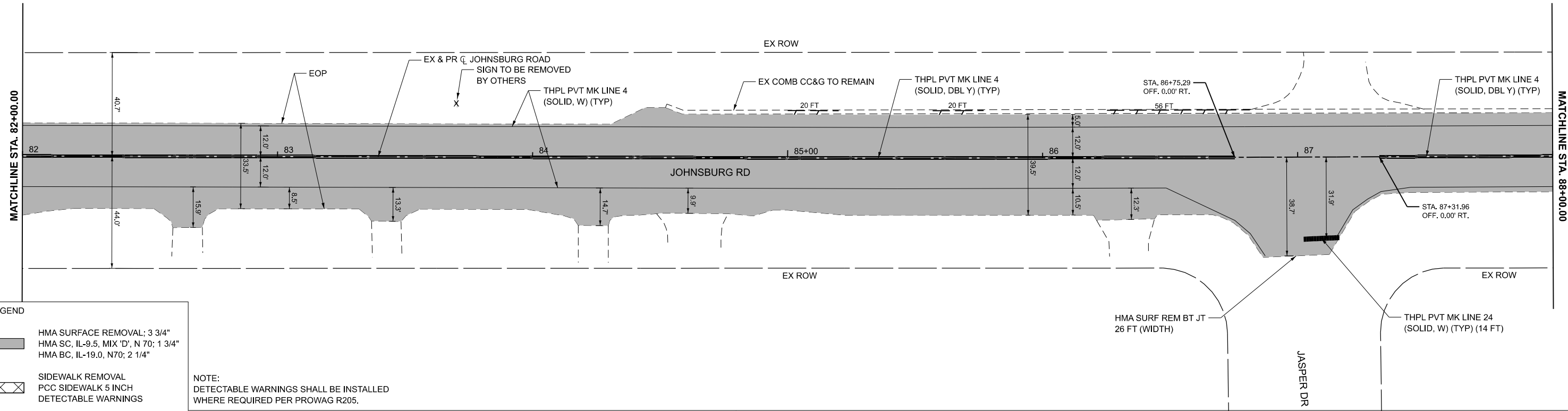
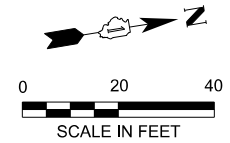
- HMA SURFACE REMOVAL; 3 3/4" HMA SC, IL-9.5, MIX 'D', N 70; 1 3/4" HMA BC, IL-19.0, N70; 2 1/4"
- SIDEWALK REMOVAL
PCC SIDEWALK 5 INCH
DETECTABLE WARNINGS
- DRIVEWAY PAVEMENT REMOVAL
HMA DRIVEWAY PAVEMENT; 3"
- COMB CC&G REMOVAL & REPLACE
- PIPE CULVERT REMOVAL
- TRENCH REPAIR
(SEE CONSTRUCTION DETAIL)

NOTE:
DETECTABLE WARNINGS SHALL BE INSTALLED
WHERE REQUIRED PER PROWAG R205.



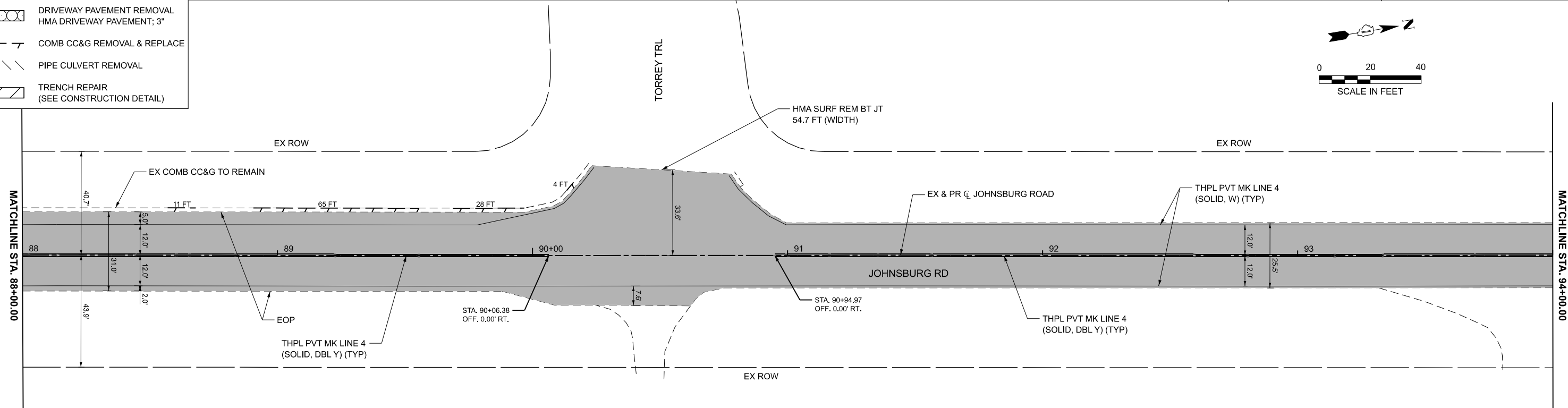
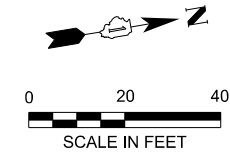
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 HRGreen.com Illinois Professional Design Firm # 184-001322 HRGreen®	USER NAME = benjamin.belgrave	DESIGNED - JJS	REVISED - XX/XX/XXXX	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RESURFACING PLANS JOHNSBURG ROAD					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BJB	REVISED - XX/XX/XXXX							0168	23-00017-00-RS	MCHENRY	36	17
	PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED - XX/XX/XXXX		CONTRACT NO. 61L50									
	PLOT DATE = 4/10/2025	DATE = 3/27/2025	REVISED - XX/XX/XXXX		ILLINOIS FED. AID PROJECT									
	SCALE: 1"=20'		SHEET 6 OF 11 SHEETS							STA. 70+00.00 TO STA. 82+00.00				



LEGEND	
	HMA SURFACE REMOVAL; 3 3/4" HMA SC, IL-9.5, MIX 'D', N 70; 1 3/4" HMA BC, IL-19.0, N70; 2 1/4"
	SIDEWALK REMOVAL PCC SIDEWALK 5 INCH DETECTABLE WARNINGS
	DRIVEWAY PAVEMENT REMOVAL HMA DRIVEWAY PAVEMENT; 3"
	COMB CC&G REMOVAL & REPLACE
	PIPE CULVERT REMOVAL
	TRENCH REPAIR (SEE CONSTRUCTION DETAIL)

NOTE:
DETECTABLE WARNINGS SHALL BE INSTALLED
WHERE REQUIRED PER PROWAG R205.



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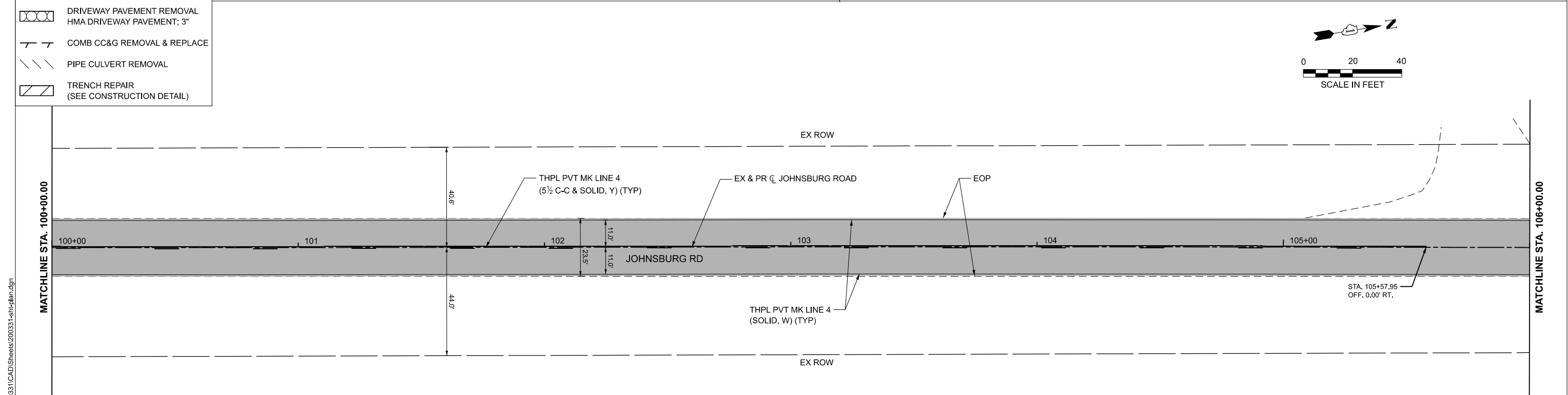
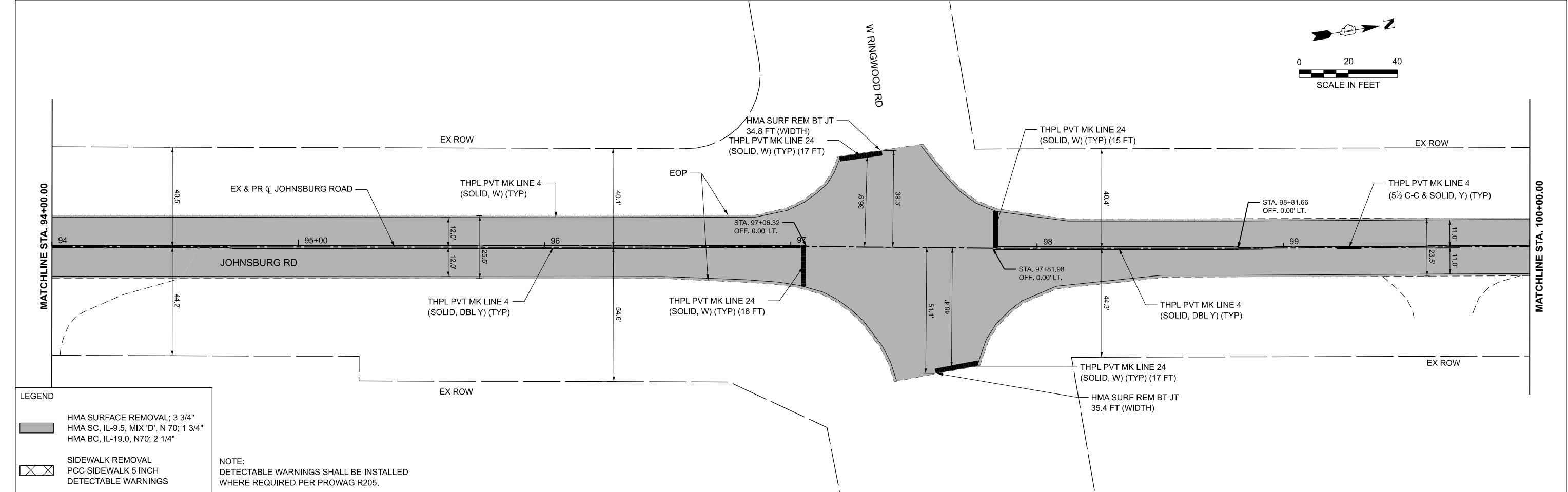
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PLOT DATE	= 4/10/2025	DATE	- 3/27/2025	REVISED	- XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLANS
JOHNSBURG ROAD

SCALE: 1"=20' SHEET 7 OF 11 SHEETS STA. 82+00.00 TO STA. 94+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	23-00017-00-RS	MCHENRY	36	18
				CONTRACT NO. 61L50
ILLINOIS FED. AID PROJECT				



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DRAWN - BJB

REVISED - XX/XX/XXXX

PLOT SCALE = 0.16666633 1/In.

CHECKED -

REVISED - XX/XX/XXXX

PLOT DATE = 4/10/2025

DATE - 3/27/2025

REVISED - XX/XX/XXXX

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

RESURFACING PLANS

JOHNSBURG ROAD

SCALE: 1"=20'

SHEET 8 OF 11 SHEETS

STA. 94+00.00 TO STA. 106+00.00

RTE.

SECTION

COUNTY

SHEETS

NO.

0168

23-00017-00-RS

MCHENRY

36

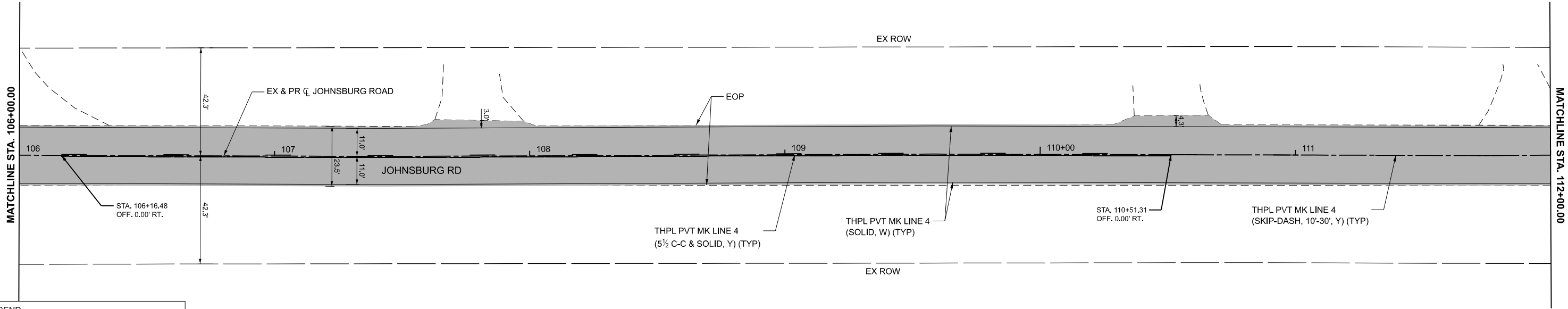
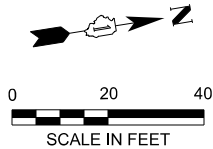
19

CONTRACT NO.

61L50

ILLINOIS

FED. AID PROJECT



LEGEND

HMA SURFACE REMOVAL; 3 3/4" HMA SC, IL-9.5, MIX 'D', N 70; 1 3/4" HMA BC, IL-19.0, N70; 2 1/4"

SIDEWALK REMOVAL
PCC SIDEWALK 5 INCH
DETECTABLE WARNINGS

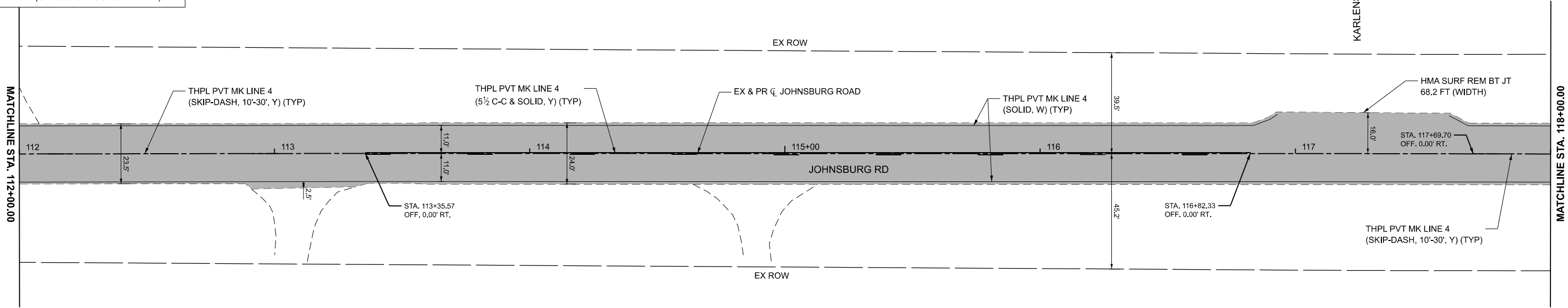
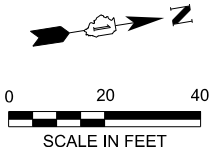
DRIVEWAY PAVEMENT REMOVAL
HMA DRIVEWAY PAVEMENT; 3"

COMB CC&G REMOVAL & REPLACE

PIPE CULVERT REMOVAL

TRENCH REPAIR
(SEE CONSTRUCTION DETAIL)

NOTE:
DETECTABLE WARNINGS SHALL BE INSTALLED
WHERE REQUIRED PER PROWAG R205.



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USER NAME = benjamin.belgrave

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CHECKED -

PLOT DATE = 4/10/2025

REVISED - XX/XX/XXXX

REVISED - XX/XX/XXXX

REVISED - XX/XX/XXXX

REVISED - XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLANS
JOHNSBURG ROAD

SCALE: 1"=20'

SHEET 9 OF 11 SHEETS

STA. 106+00.00 TO STA. 118+00.00

F.A.U. RTE. 0168

SECTION 23-00017-00-RS

COUNTY MCHENRY

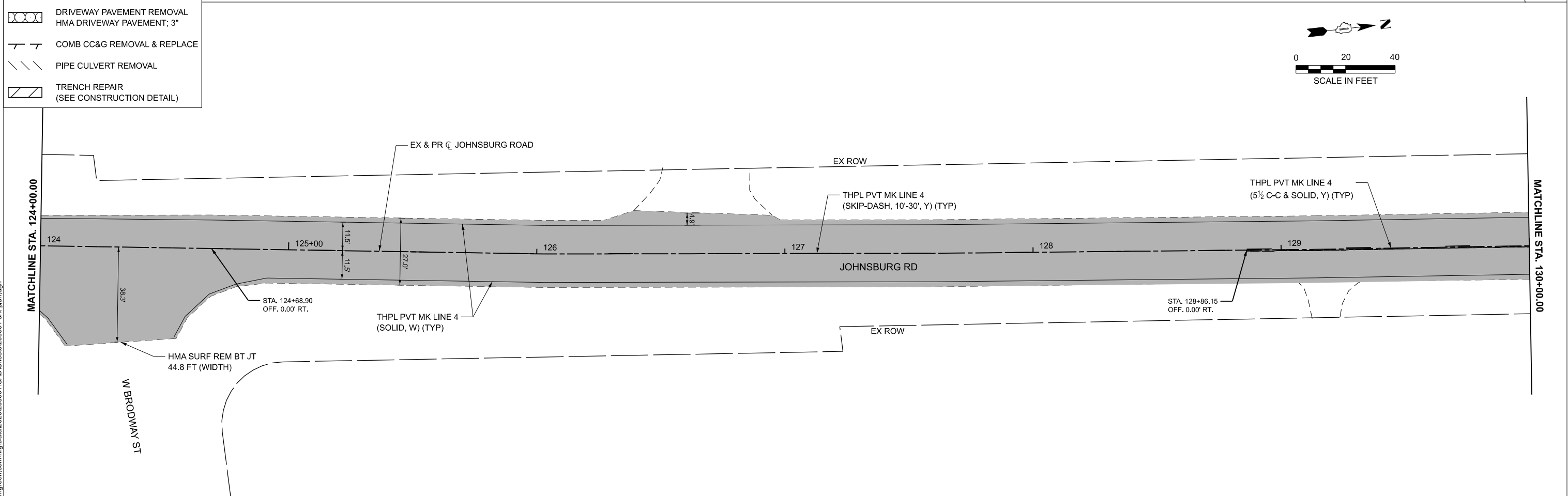
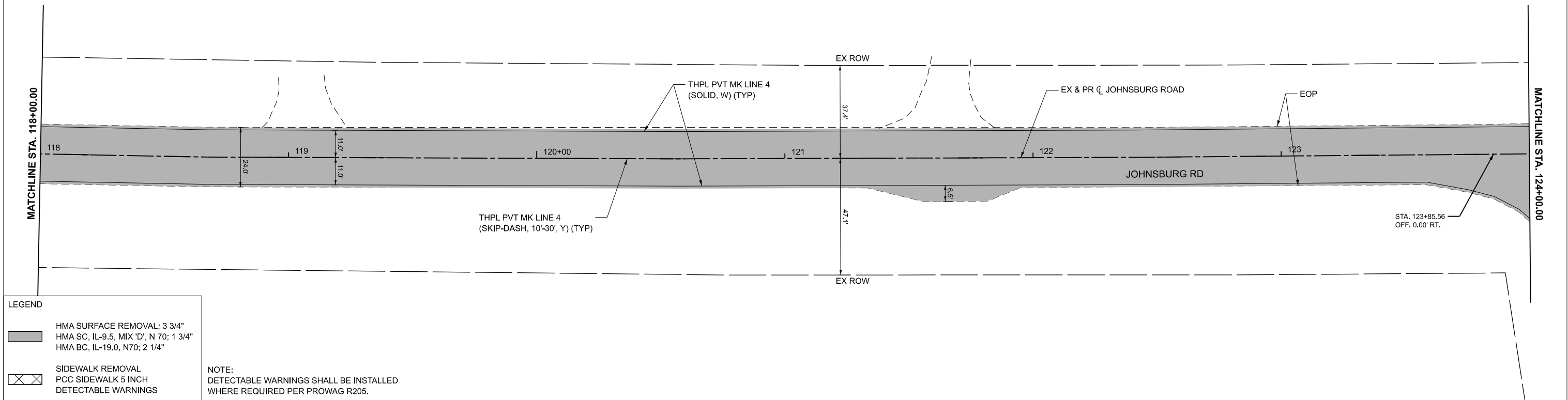
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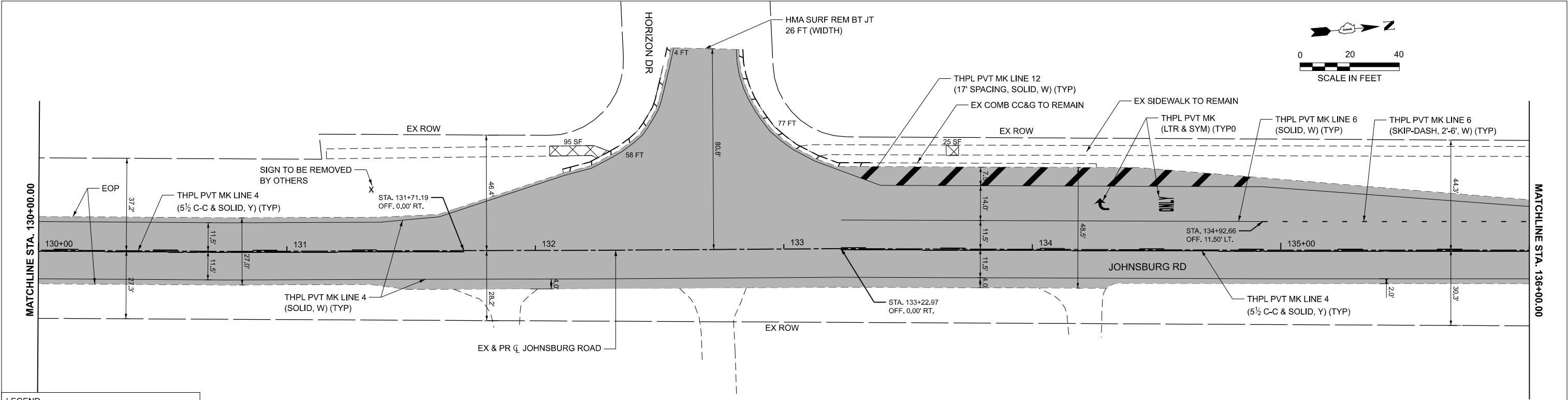
TOTAL SHEETS 36

SHEET NO. 20

ILLINOIS

FED. AID PROJECT





LEGEND

HMA SURFACE REMOVAL; 3 3/4" HMA SC, IL-9.5, MIX 'D', N 70; 1 3/4" HMA BC, IL-19.0, N70; 2 1/4"

SIDEWALK REMOVAL
PCC SIDEWALK 5 INCH
DETECTABLE WARNINGS

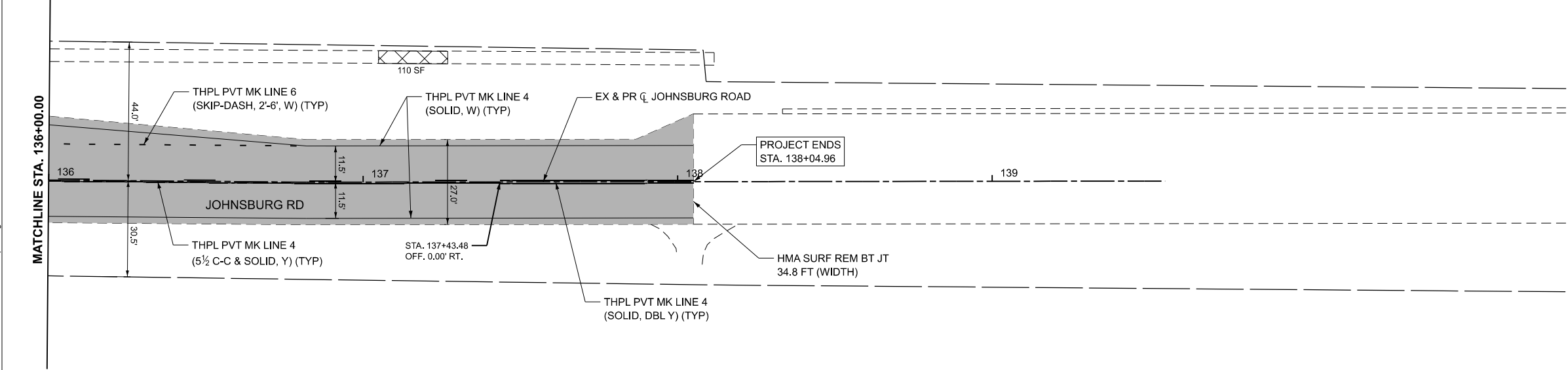
DRIVEWAY PAVEMENT REMOVAL
HMA DRIVEWAY PAVEMENT; 3"

COMB CC&G REMOVAL & REPLACE

PIPE CULVERT REMOVAL

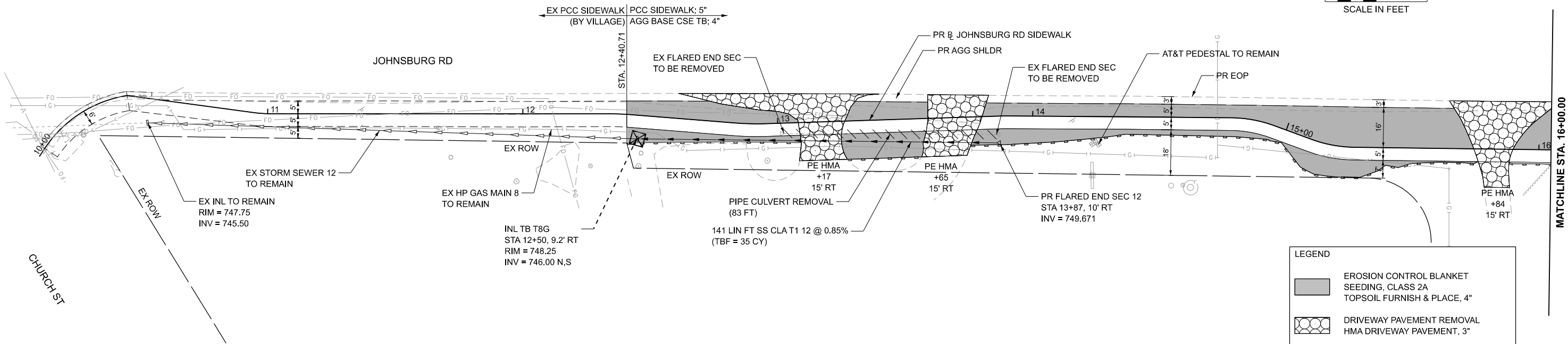
TRENCH REPAIR
(SEE CONSTRUCTION DETAIL)

NOTE:
DETECTABLE WARNINGS SHALL BE INSTALLED
WHERE REQUIRED PER PROWAG R205.



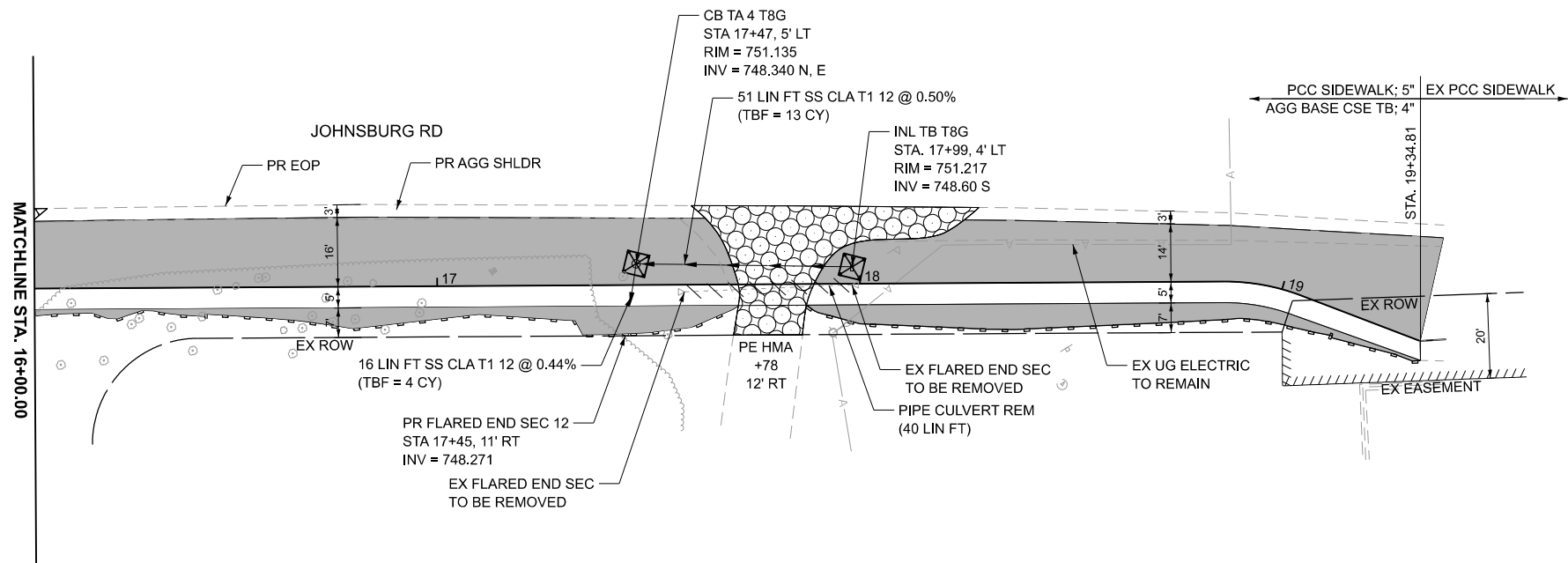
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HRGreen.com Illinois Professional Design Firm # 184-001322 HRGreen®	USER NAME = benjamin.belgrave		DESIGNED - JJS	REVISED - XX/XX/XXXX	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RESURFACING PLANS JOHNSBURG ROAD		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - BJB		REVISED - XX/XX/XXXX	REVISED - XX/XX/XXXX				0168	23-00017-00-RS	MCHENRY	36	22
	PLOT SCALE = 0.16666633" / In.		CHECKED -	REVISED - XX/XX/XXXX						CONTRACT NO. 61L50		
	PLOT DATE = 4/10/2025		DATE - 3/27/2025	REVISED - XX/XX/XXXX						ILLINOIS FED. AID PROJECT		
SCALE: 1"=20'		SHEET 11	OF 11	SHEETS	STA. 130+00.00		TO STA. 142+00.00					



LEGEND

- EROSION CONTROL BLANKET
SEEDING, CLASS 2A
TOPSOIL FURNISH & PLACE, 4"
- DRIVEWAY PAVEMENT REMOVAL
HMA DRIVEWAY PAVEMENT, 3"
- PIPE CULVERT REMOVAL
- PERIMETER EROSION BARRIER
- INLET FILTERS



NOTE:
REMOVAL OF FLARED END SECTIONS SHALL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE UNIT COST PER FOOT FOR PIPE REMOVAL (SPECIAL)

LEGEND

- EROSION CONTROL BLANKET
SEEDING, CLASS 2A
TOPSOIL FURNISH & PLACE, 4"
- DRIVEWAY PAVEMENT REMOVAL
HMA DRIVEWAY PAVEMENT, 3"
- PIPE CULVERT REMOVAL
- PERIMETER EROSION BARRIER
- INLET FILTERS

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DRAWN	- BJB	REVIS	- XX/XX/XXXX
PLOT SCALE	= 0.16666633 "/in.	CHECKED	-
PLOT DATE	= 4/2/2025	DATE	- 3/27/2025

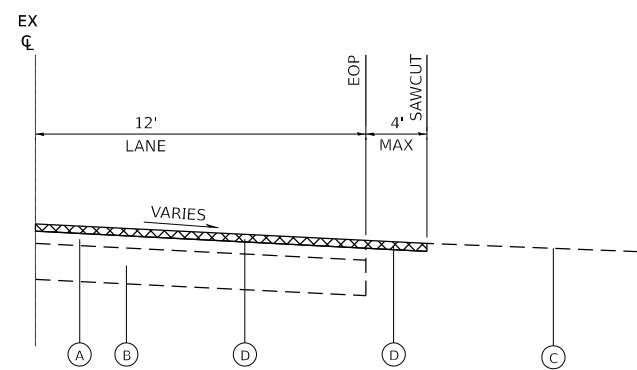
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REVIS	- XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

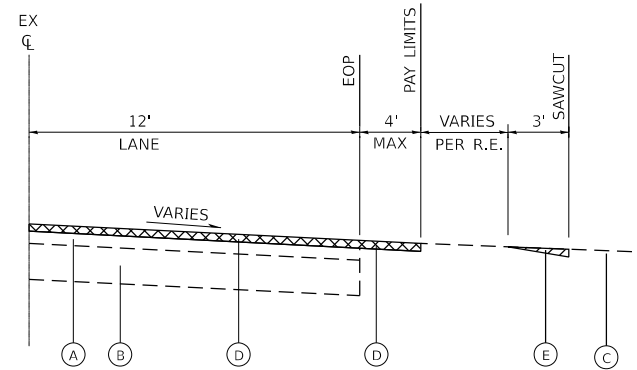
SIDEWALK PLANS
JOHNSBURG ROAD

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 10+00.00 TO STA. 22+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	23-00017-00-RS	MCHENRY	36	23
CONTRACT NO.				61L50
ILLINOIS FED. AID PROJECT				



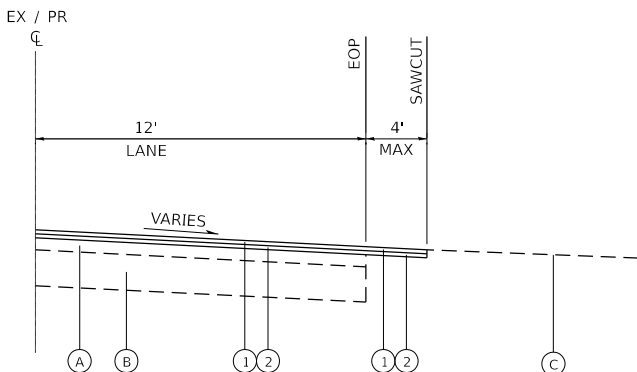
EXISTING / REMOVAL DETAIL



EXISTING / REMOVAL DETAIL

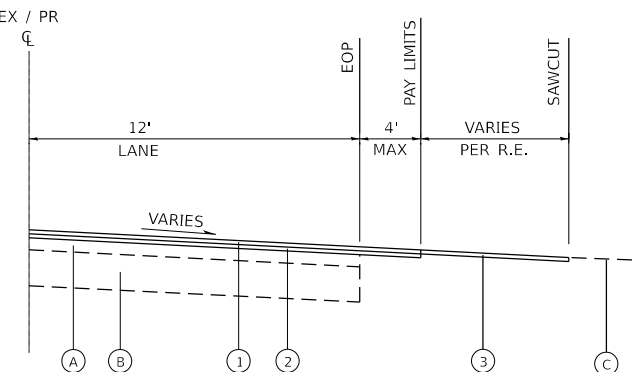
EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT; 6"
- (B) EXISTING AGGREGATE BASE COURSE; 12"
- (C) EXISTING DRIVEWAY PAVEMENT
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 3½" (SEE RESURFACING PLANS)
- (E) HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL) (PER SQ YD)



PROPOSED / RESURFACING DETAIL

CASE I



PROPOSED / RESURFACING DETAIL

CASE II

PROPOSED LEGEND

- (1) PROPOSED RESURFACING; HMA SURFACE COURSE (SEE HMA MIX TABLE)
- (2) PROPOSED RESURFACING; HMA BINDER COURSE (SEE HMA MIX TABLE)
- (3) INCIDENTAL HOT-MIX ASPHALT SURFACING (PER TON)

DRIVEWAY RESURFACING DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAIL
JOHNSBURG ROAD

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

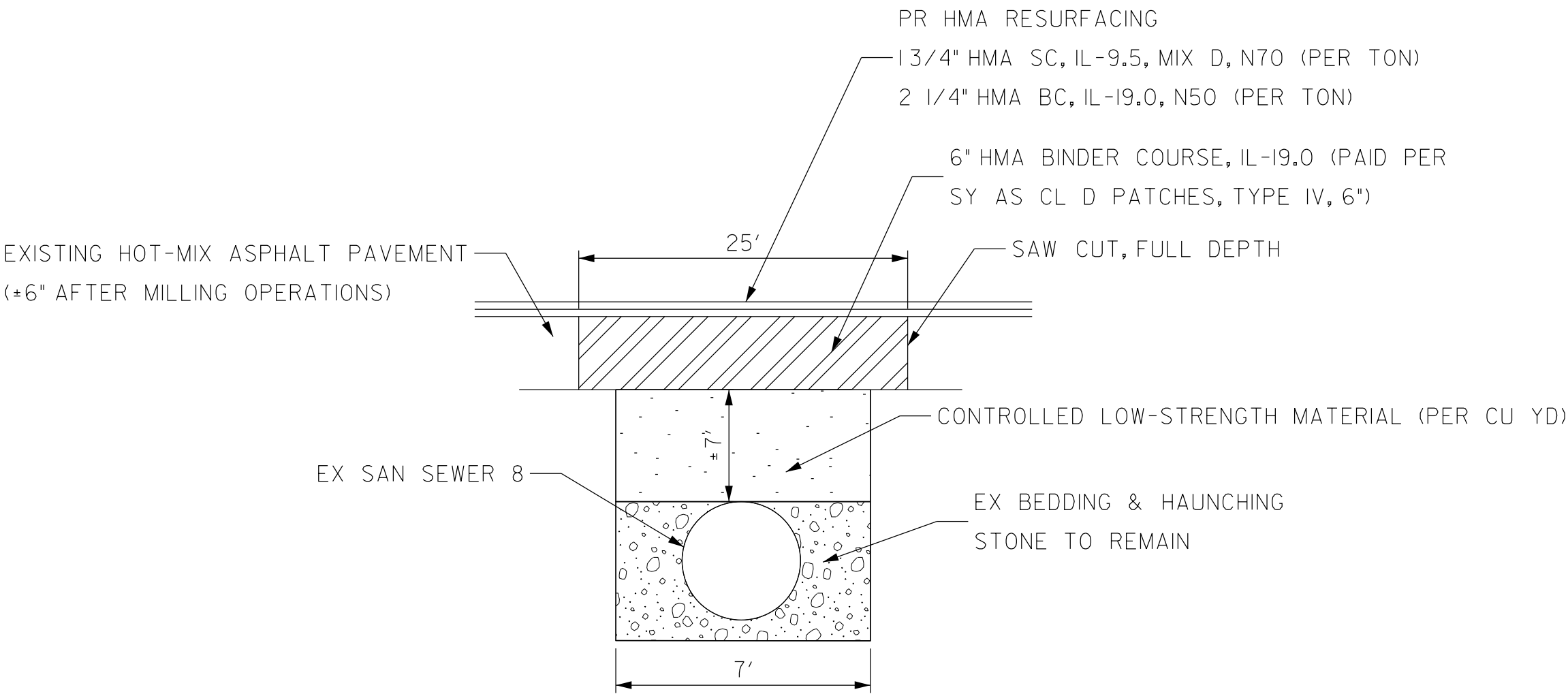
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CONTRACT NO.			61L50	
ILLINOIS		FED. AID PROJECT		

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USER NAME = benjamin.belgrave	DESIGNED - JJS	REVISED - XX/XX/XXXX
	DRAWN - BJB	REVISED - XX/XX/XXXX
PLOT SCALE = 0.16666633" / 1in.	CHECKED -	REVISED - XX/XX/XXXX
PLOT DATE = 4/2/2025	DATE - 3/27/2025	REVISED - XX/XX/XXXX



TRENCH REPAIR AT EXISTING SANITARY SEWER CROSSING

STA 21+00.00

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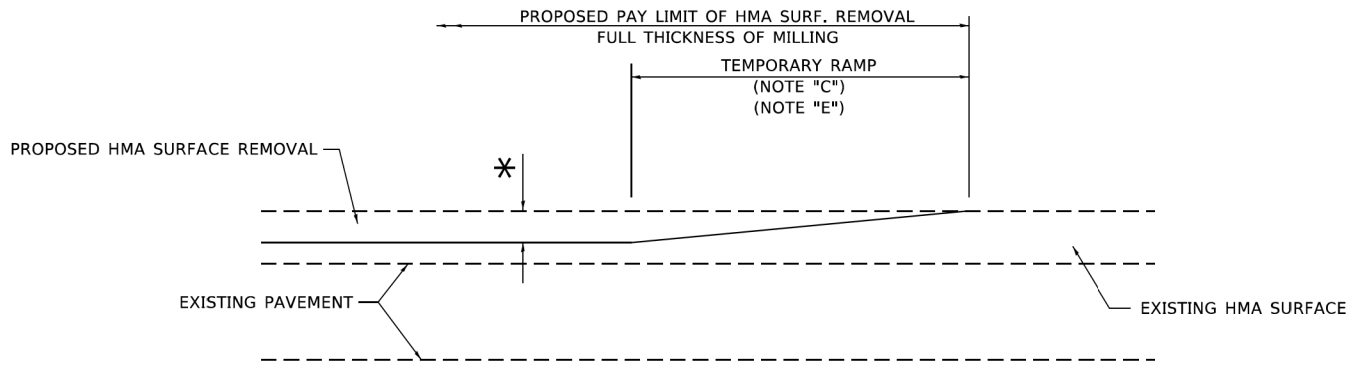
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PLOT DATE	= 4/2/2025	DATE	- 3/27/2025	REVISED	- XX/XX/XXXX

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAIL
JOHNSBURG ROAD

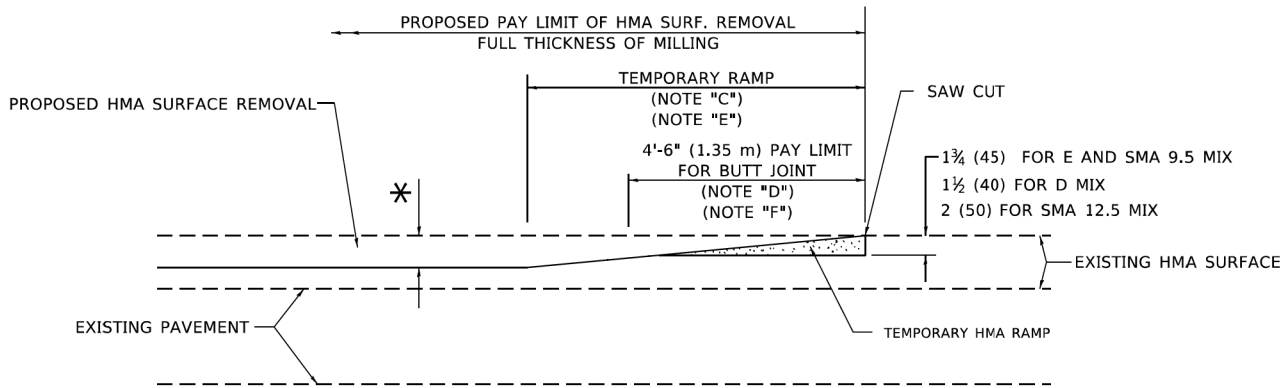
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	23-00017-00-RS	MCHENRY	36	25
CONTRACT NO.			61L50	
ILLINOIS		FED. AID PROJECT		



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

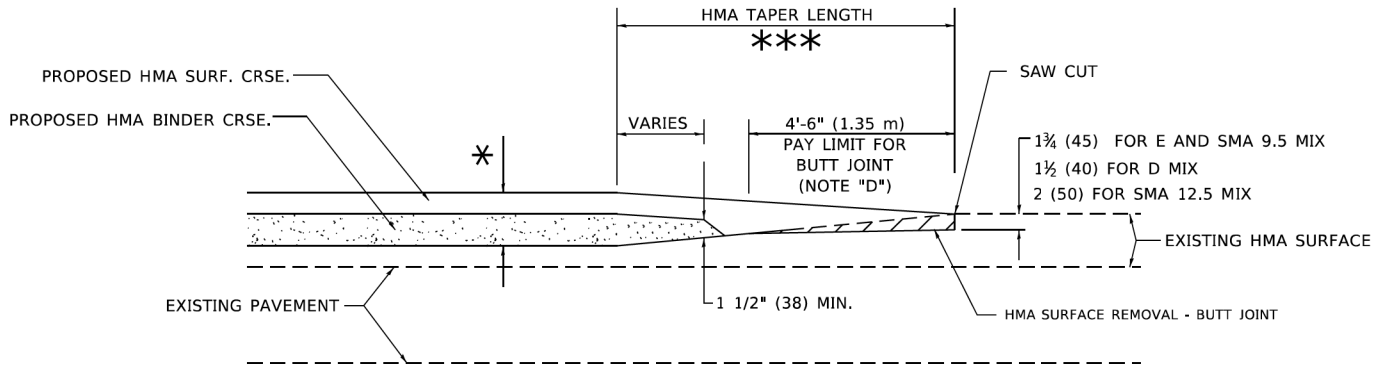
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

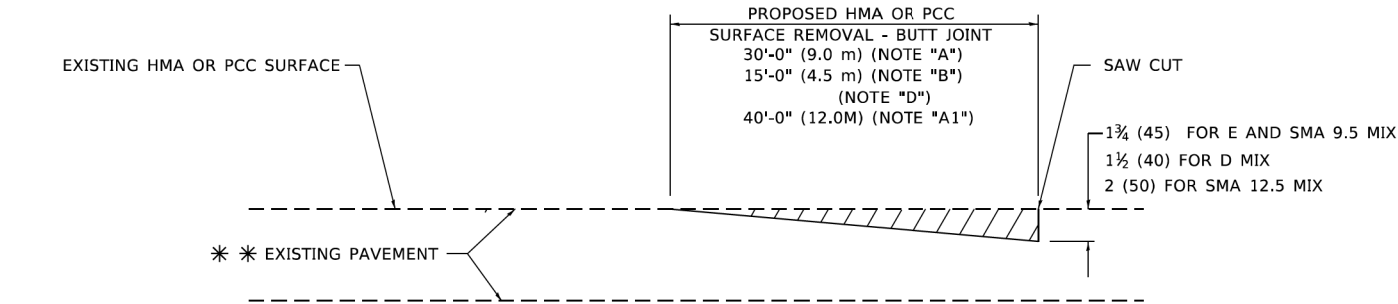
OPTION 2

TYPICAL TEMPORARY RAMP

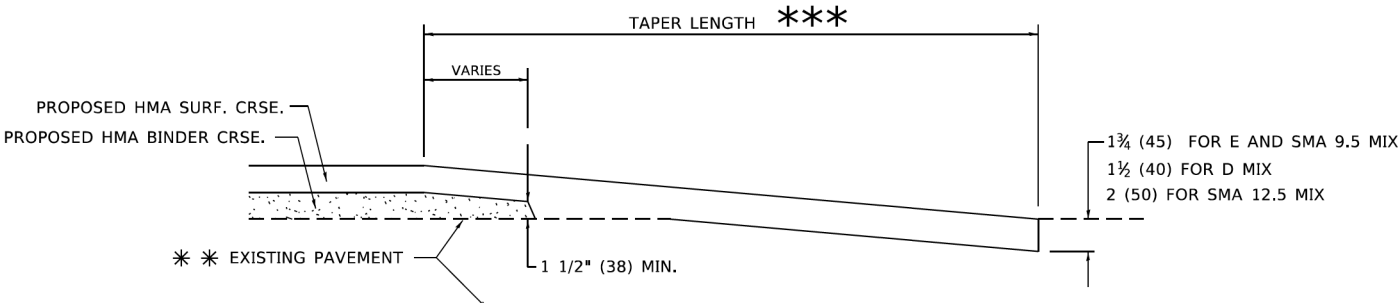


BUTT JOINT AND
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

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.

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PLOT DATE = 4/2/2025	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0168	23-00017-00-RS	MCHENRY	36	26
BD400-05	BD-32	CONTRACT NO.	61L50	
	ILLINOIS	FED. AID PROJECT		

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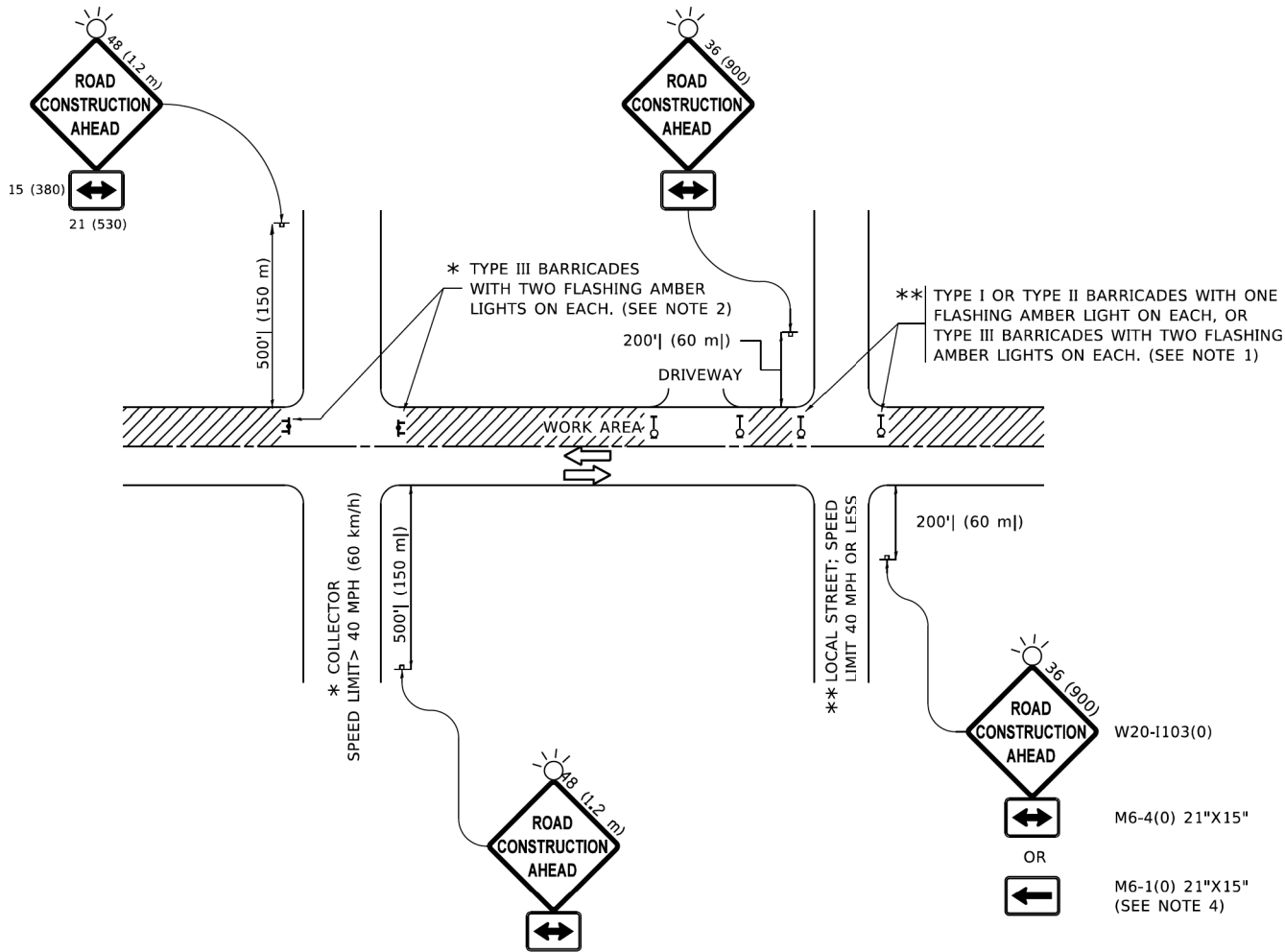
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PLOT DATE	= 4/2/2025	DATE	- 06-89	REVISED	- D. SENDERAK 05-03-24

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10		CONTRACT NO.	61L50	
		ILLINOIS	FED. AID PROJECT	

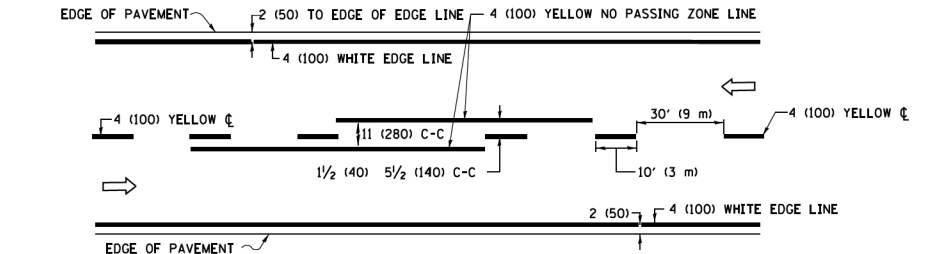


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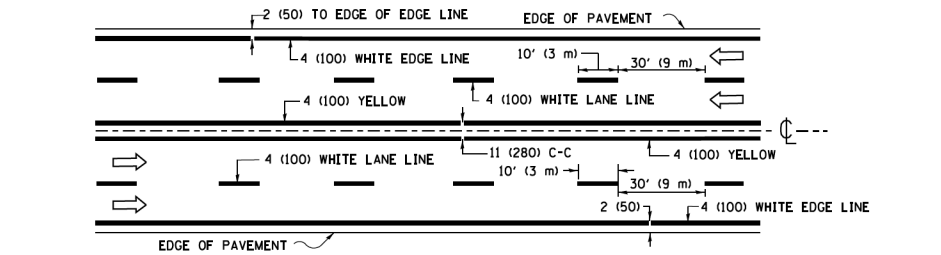
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.
- 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).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 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.

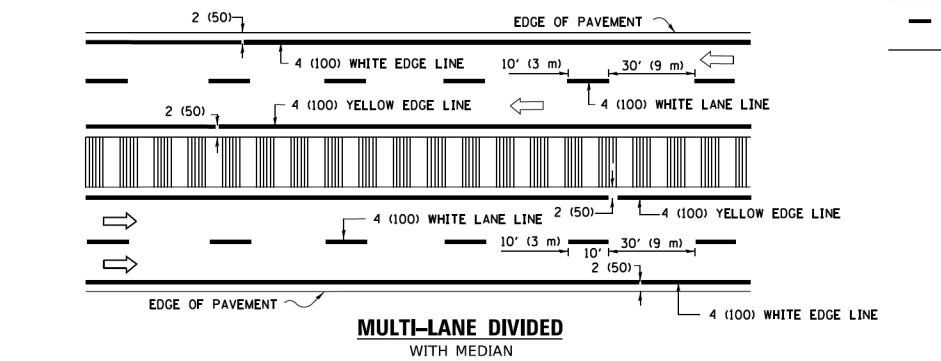
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2-LANE ROADWAY

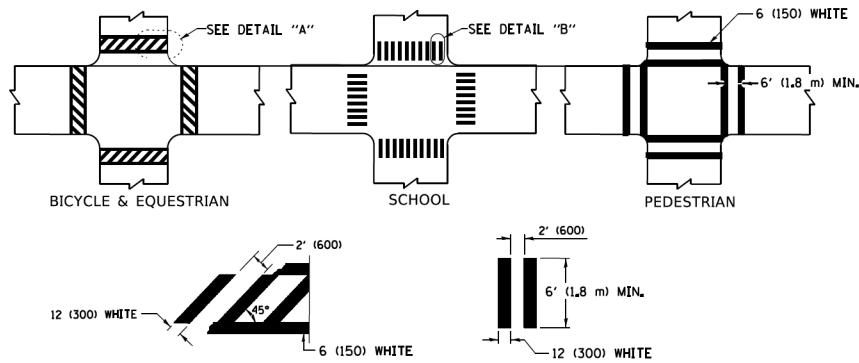


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

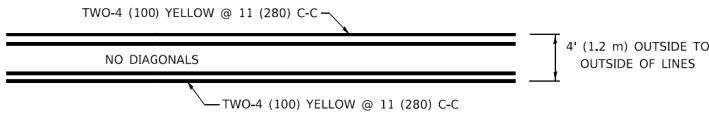


DETAIL "A"

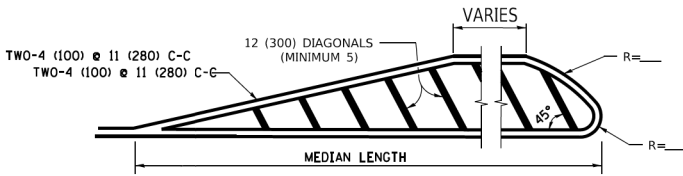
DETAIL "B"

TYPICAL CROSSWALK MARKING

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



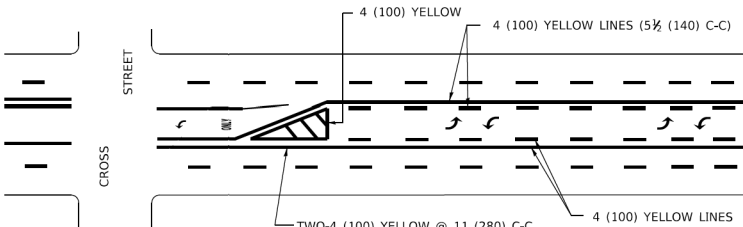
4' (1.2 m) WIDE MEDIANS ONLY



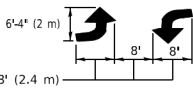
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

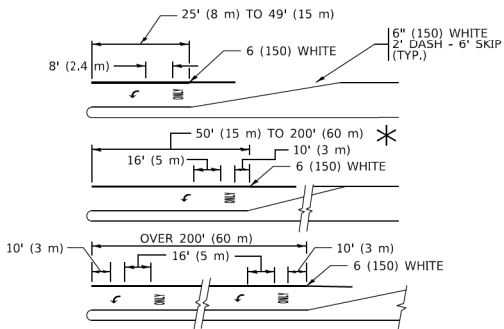


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



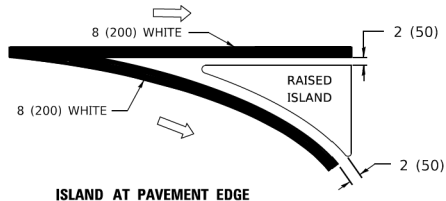
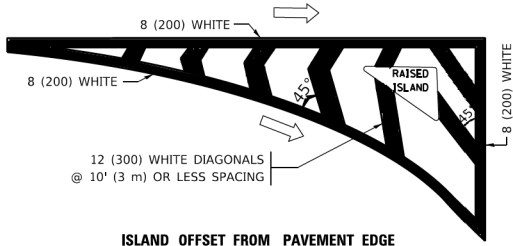
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.

AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

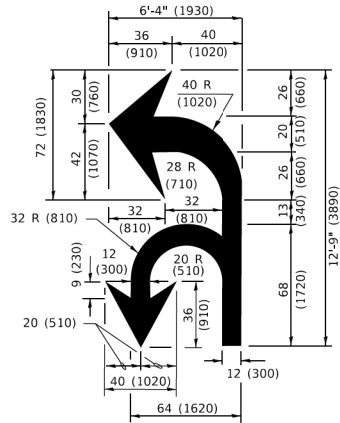
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

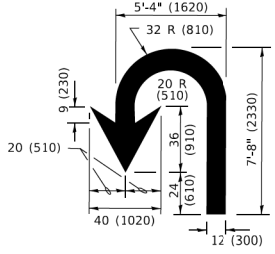
TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION
LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH: 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGTUDINAL 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 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* 15 6" (1.8 m) LETTERS; 16 (400) LINE FOR *X*	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R* = 3.6 SQ. FT. (0.33 m ²) EACH *X* = 54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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



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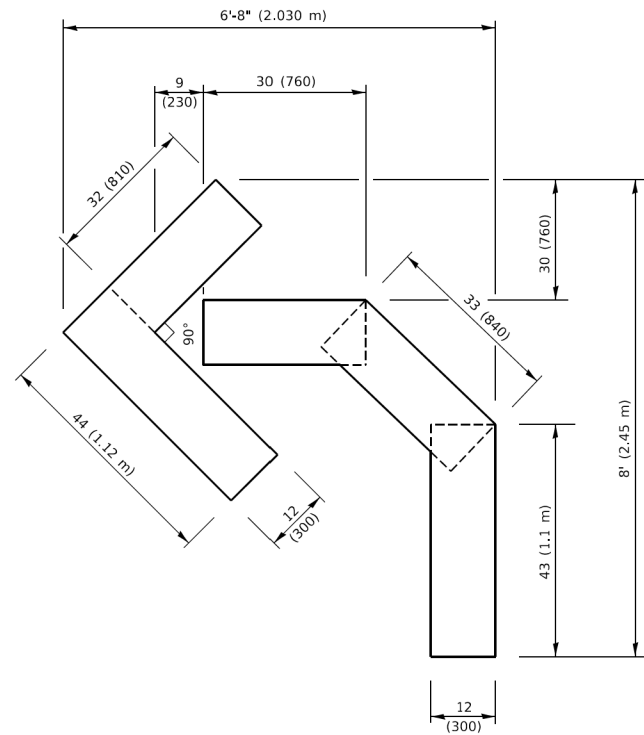
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PLOT DATE = 4/2/2025	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

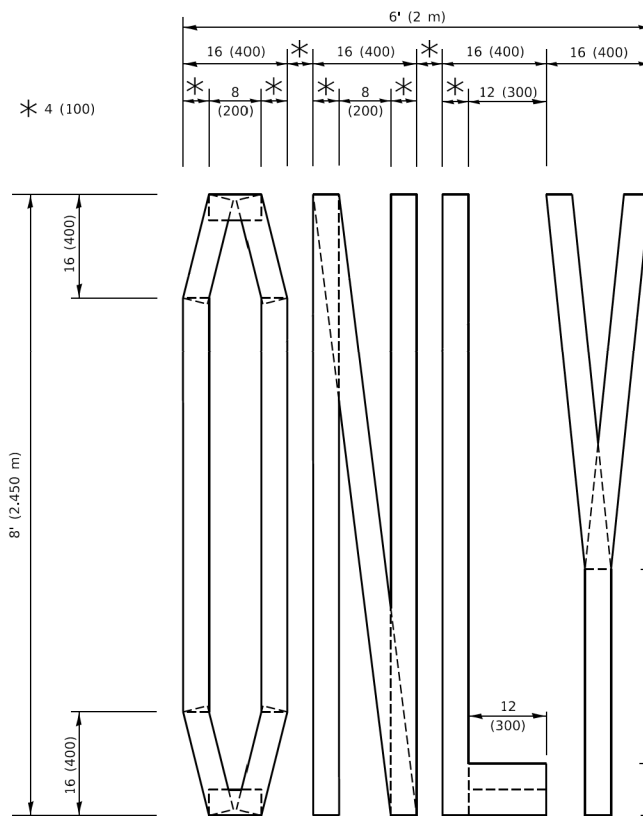
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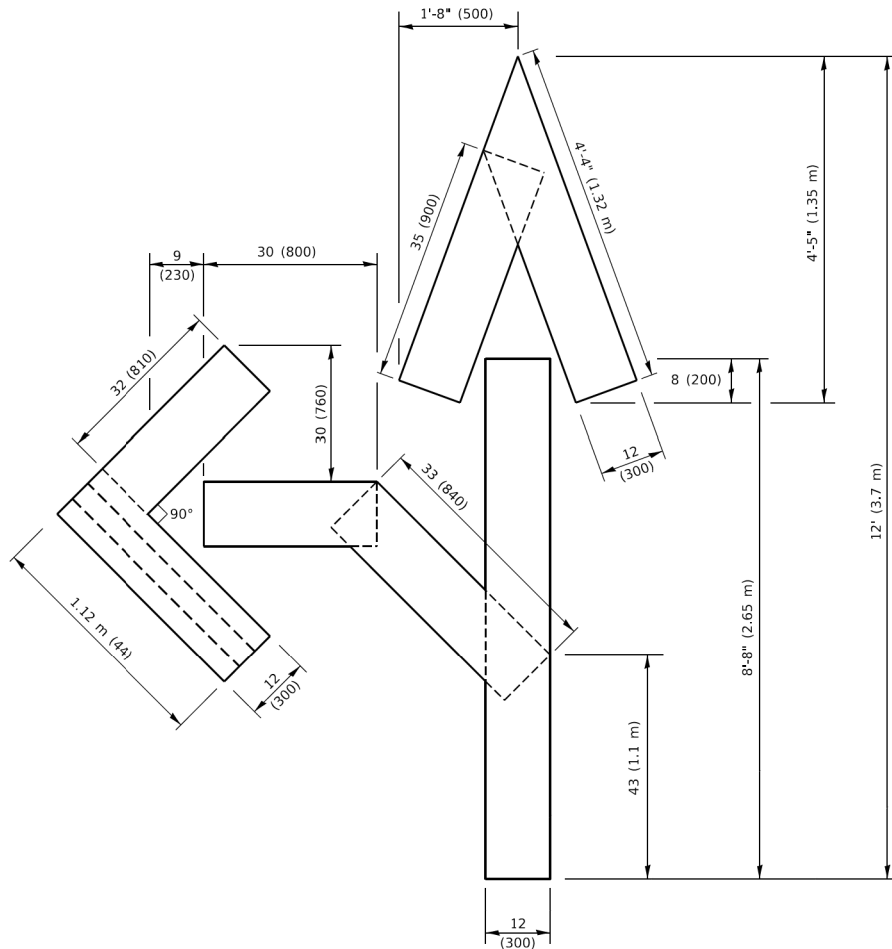
QUANTITY

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)

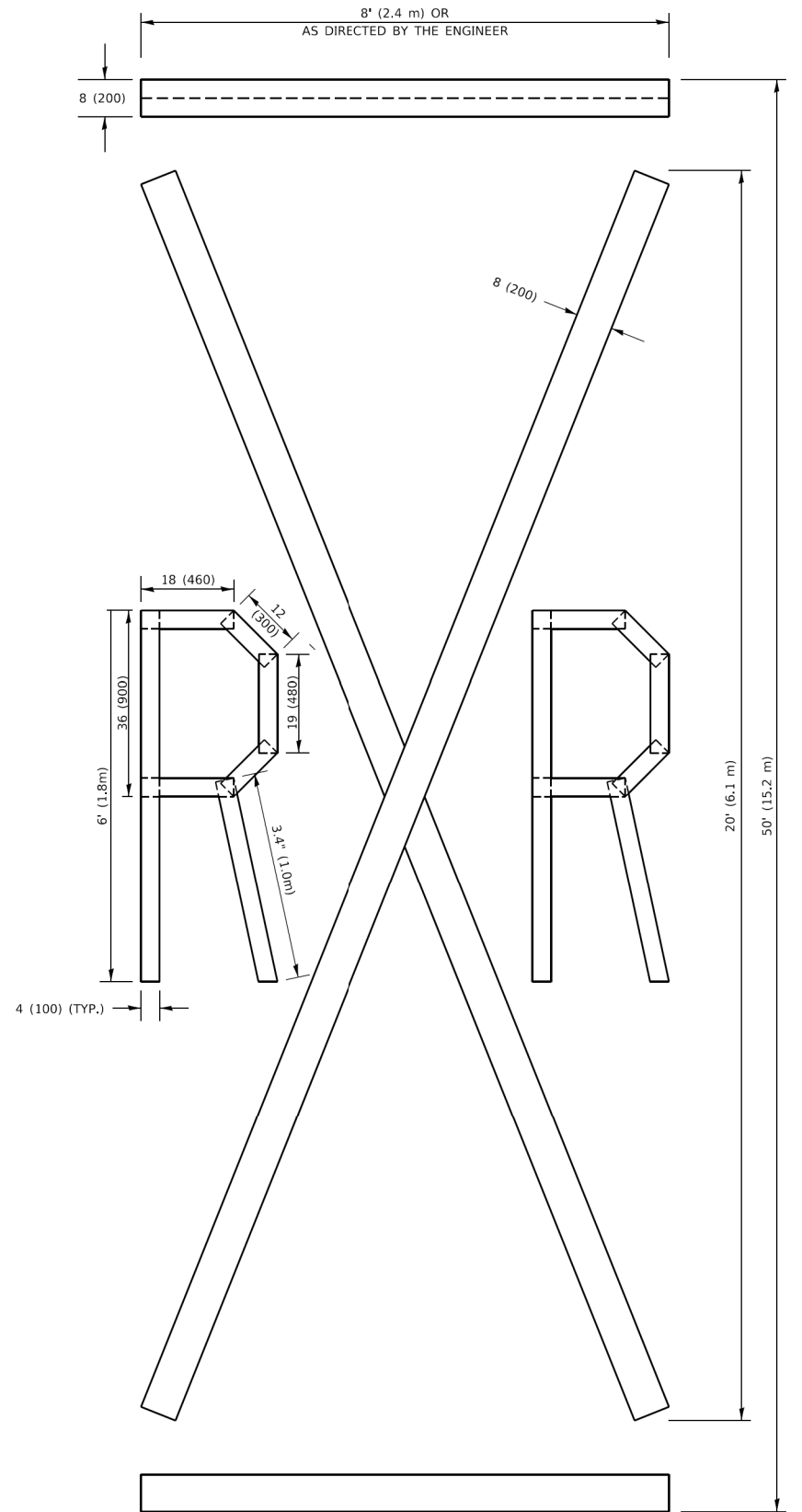


QUANTITY

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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		DRAWN	-	REVISED	-	E. GOMEZ 08-28-00
PLOT SCALE	= 0.16666633 "/td> <td>CHECKED</td> <td>-</td> <td>REVISED</td> <td>-</td> <td>E. GOMEZ 08-28-00</td>	CHECKED	-	REVISED	-	E. GOMEZ 08-28-00
PLOT DATE	= 4/2/2025	DATE	-	REVISED	-	A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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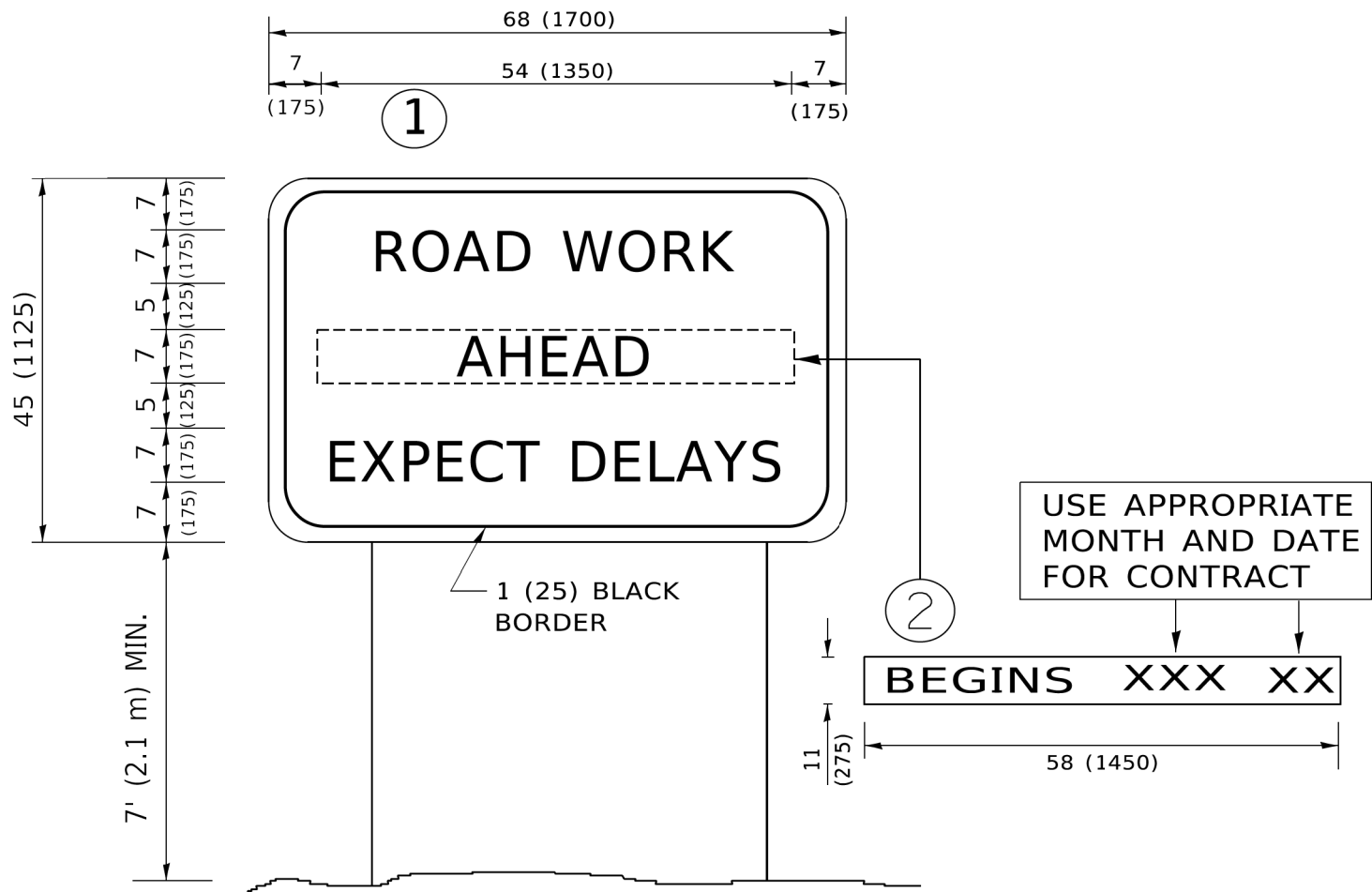
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PLOT DATE	= 4/2/2025	DATE	-	REVISED	-	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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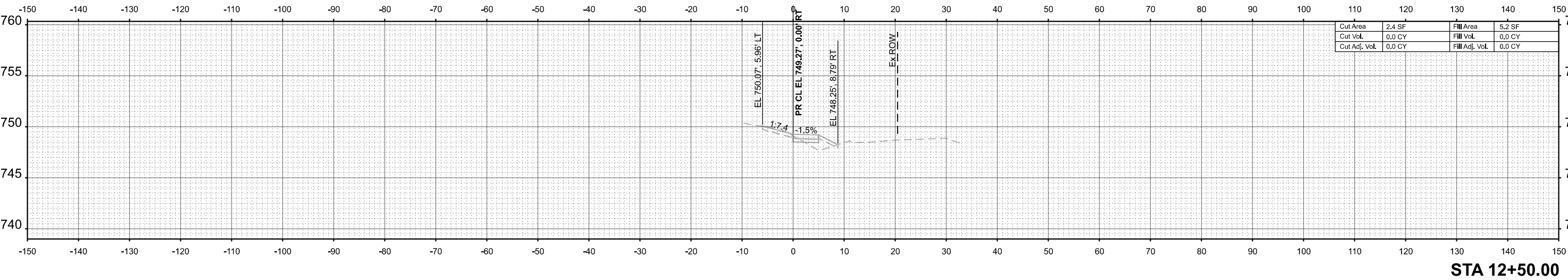
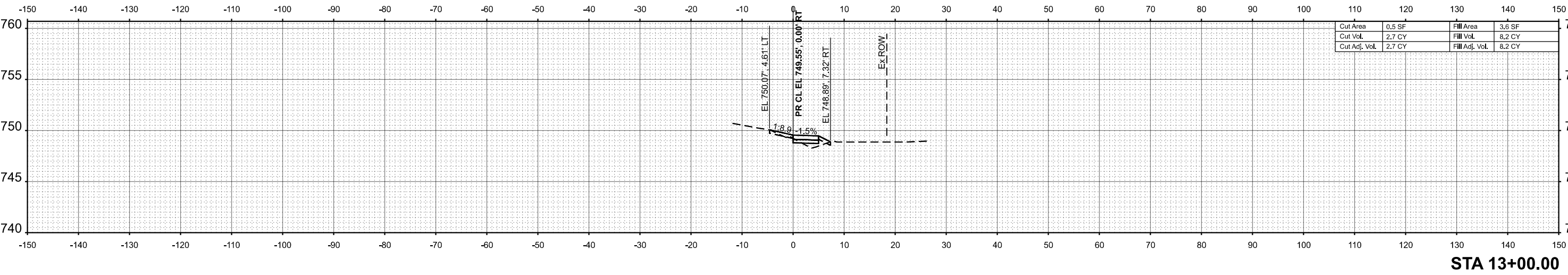
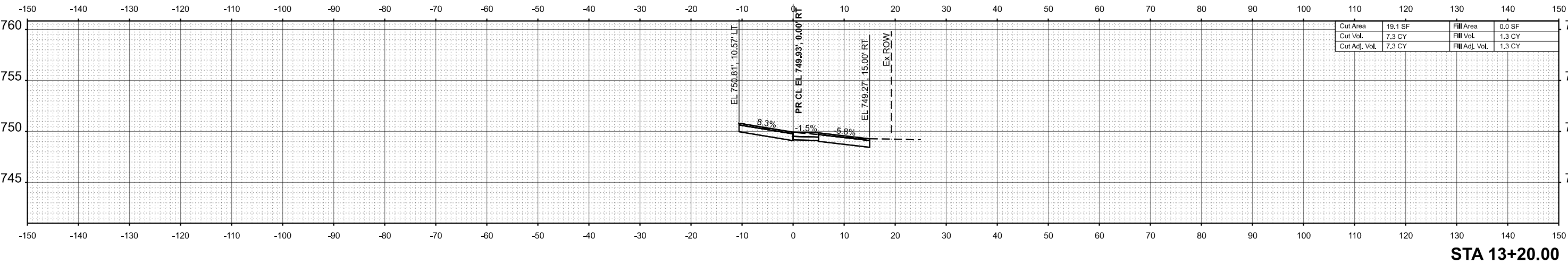


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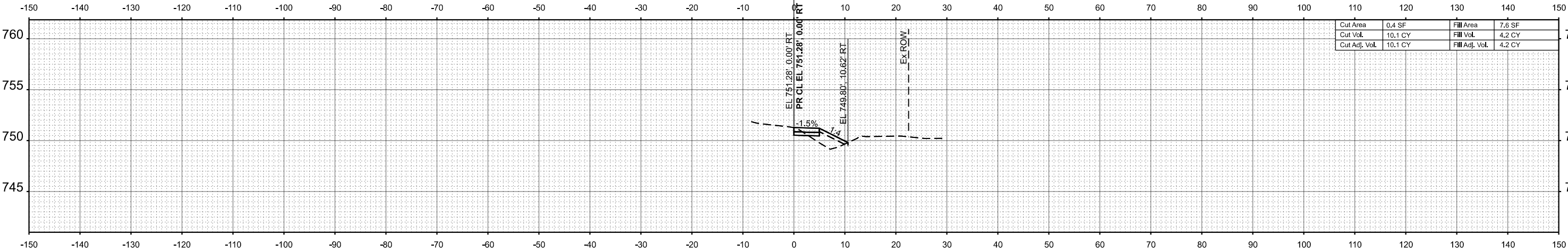
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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.

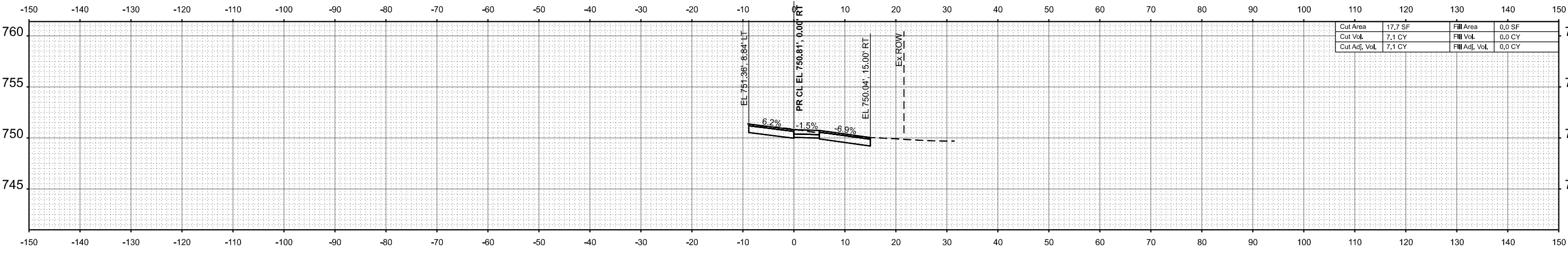
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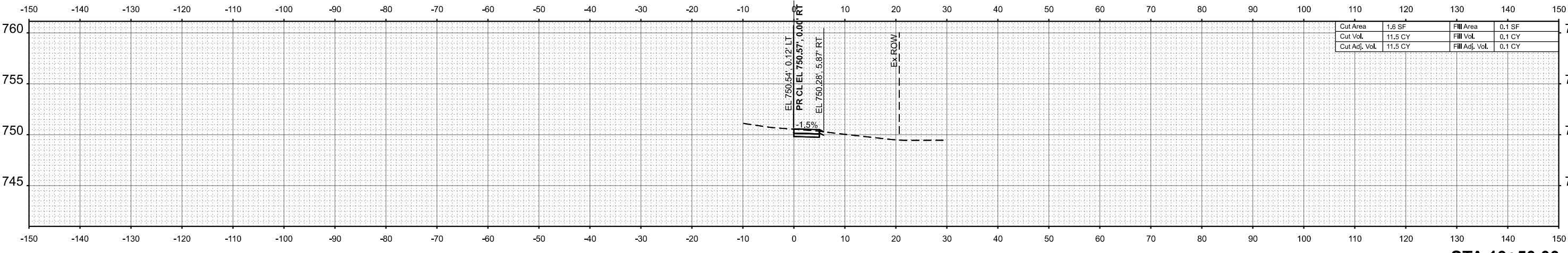
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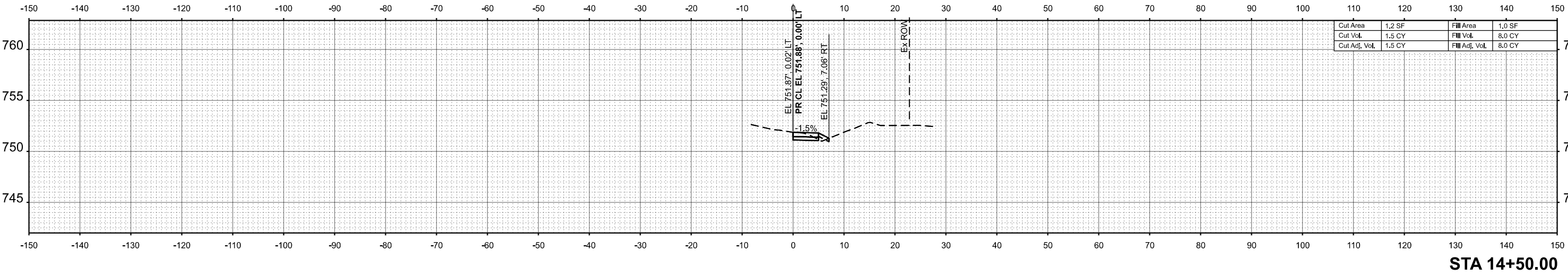
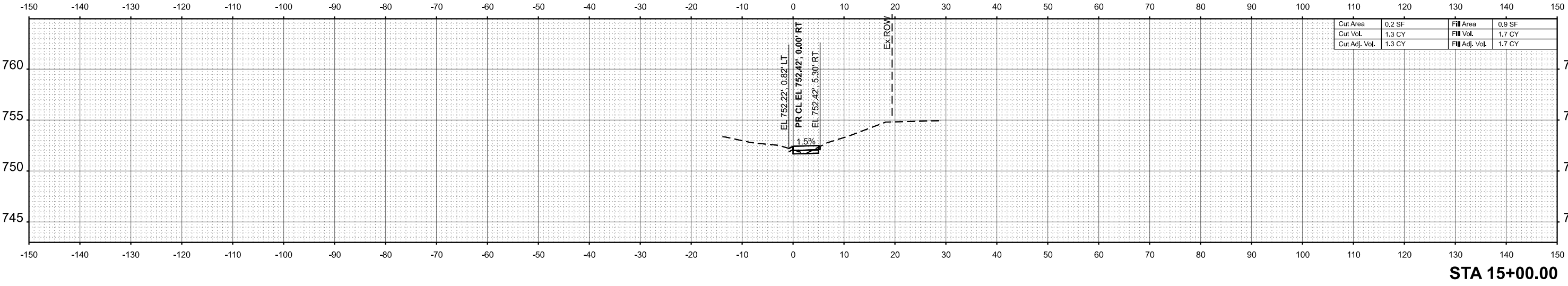
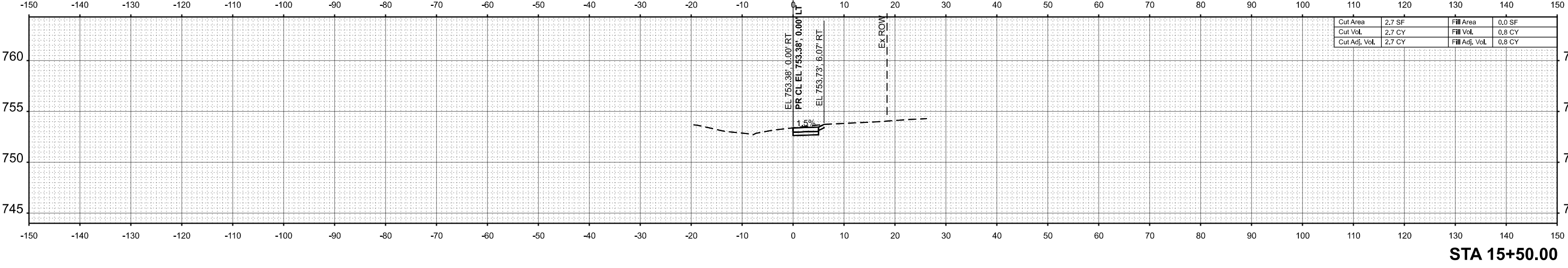


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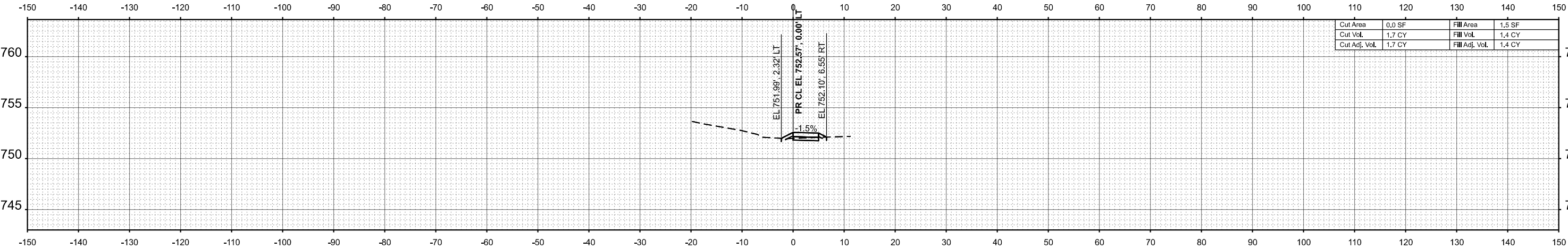


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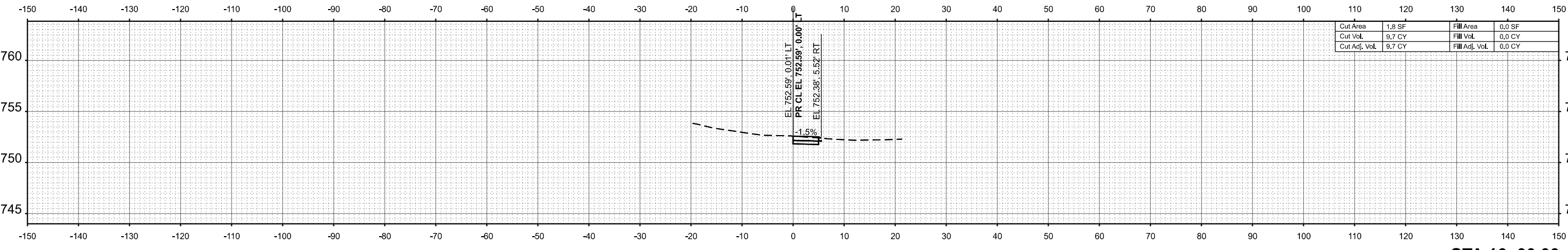


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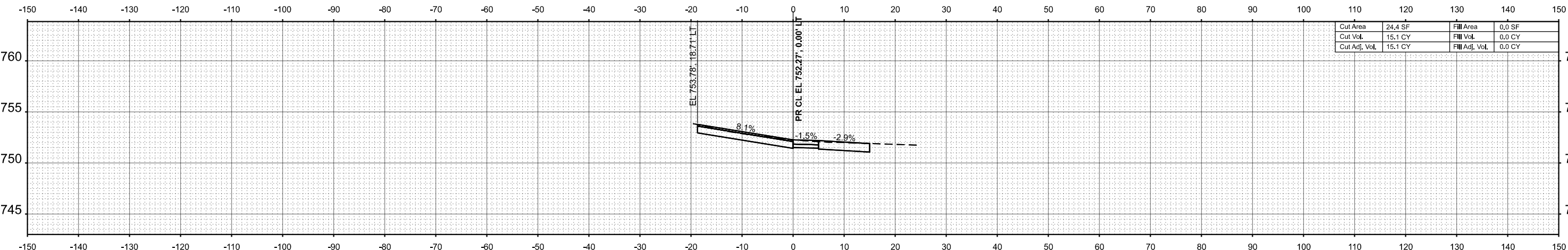
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Cut Vol.	1.7 CY	Fill Vol.	1.4 CY
Cut Adj. Vol.	1.7 CY	Fill Adj. Vol.	1.4 CY

STA 16+50.00



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Cut Adj. Vol.	9.7 CY	Fill Adj. Vol.	0.0 CY

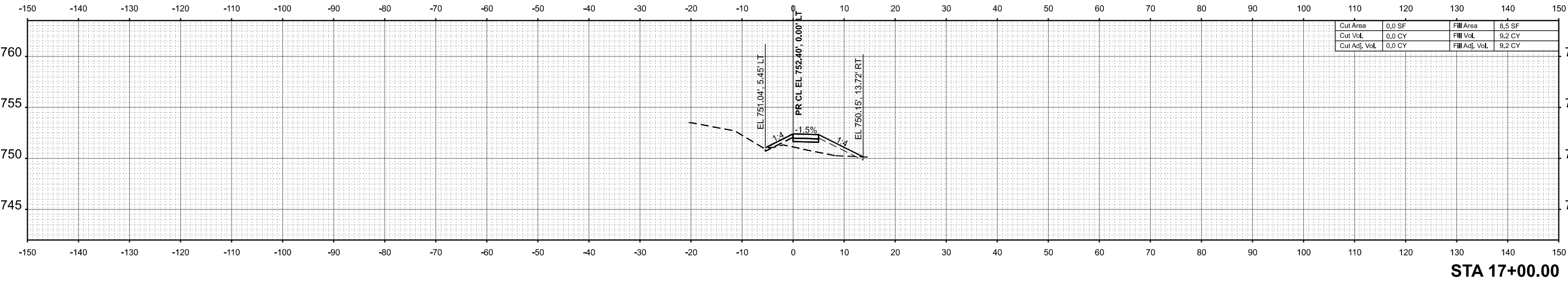
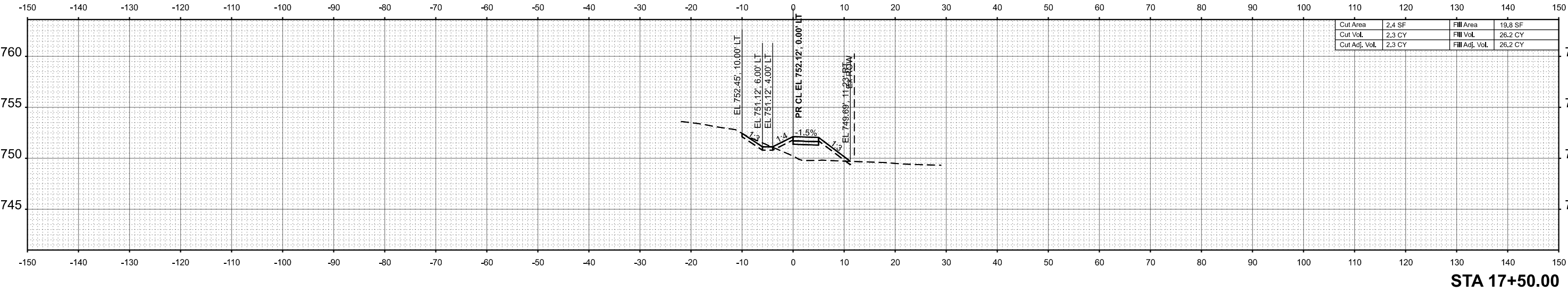
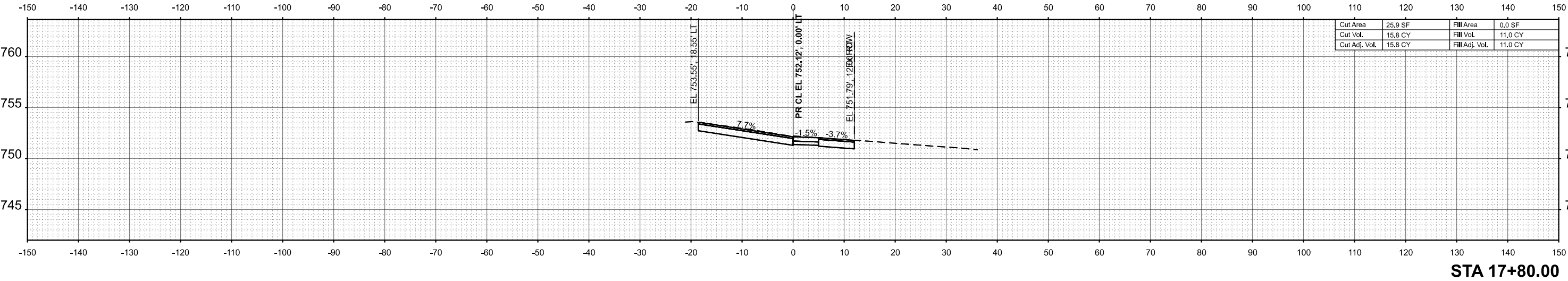
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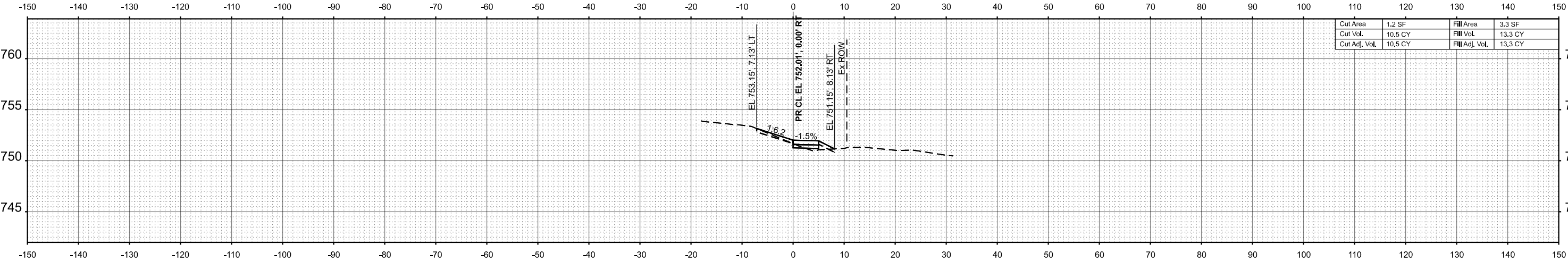
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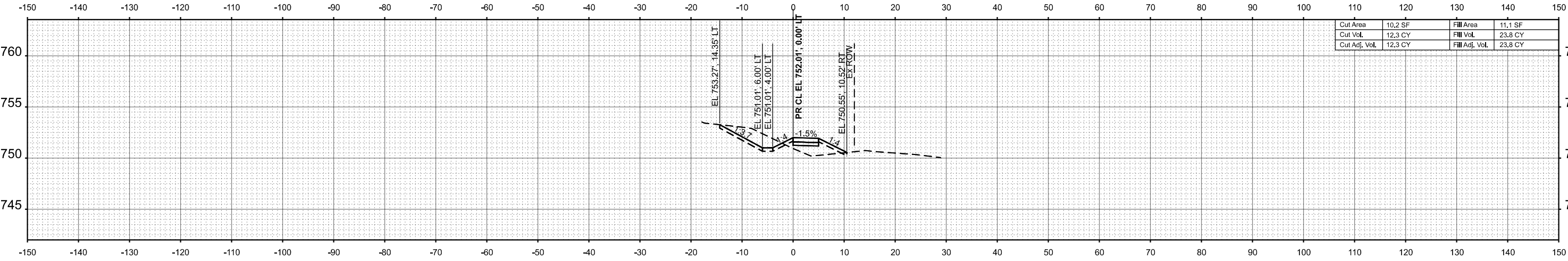
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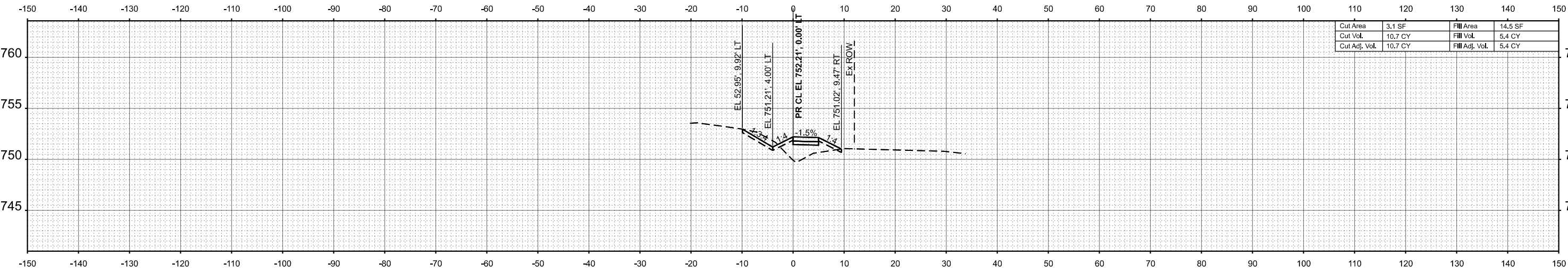
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STA 19+00.00



STA 18+50.00



STA 18+00.00