

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	1
		ILLINOIS	CONTRACT NO. 61K70	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED  
HIGHWAY PLANS**

**SHERMER ROAD  
CORRIDOR IMPROVEMENTS  
FROM WILLOW ROAD TO WALTERS AVE  
SECTION 22-00183-00-BT  
PROJECT TFZT(648)  
VILLAGE OF NORTHBROOK  
COOK COUNTY**

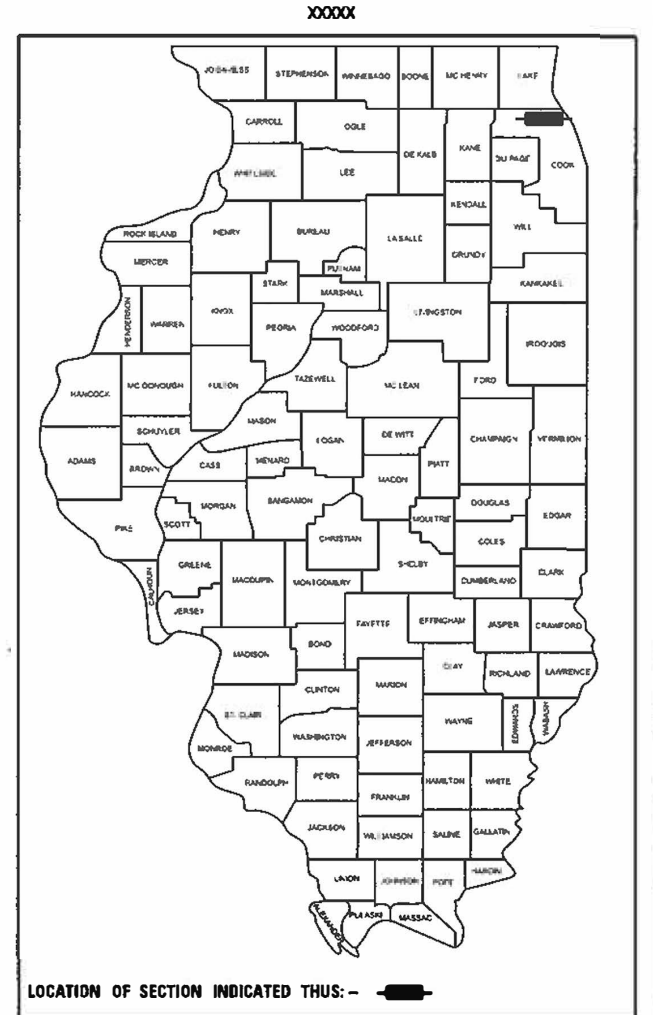
**TRAFFIC DATA**

**SHERMER ROAD - MAJOR COLLECTOR  
WILLOW RD TO TECHNY RD**

POSTED SPEED LIMIT = 40 MPH  
DESIGN SPEED LIMIT = 40 MPH  
2023 ADT = 13100

**SHERMER ROAD - MAJOR COLLECTOR  
TECHNY RD TO WALTERS AVE**

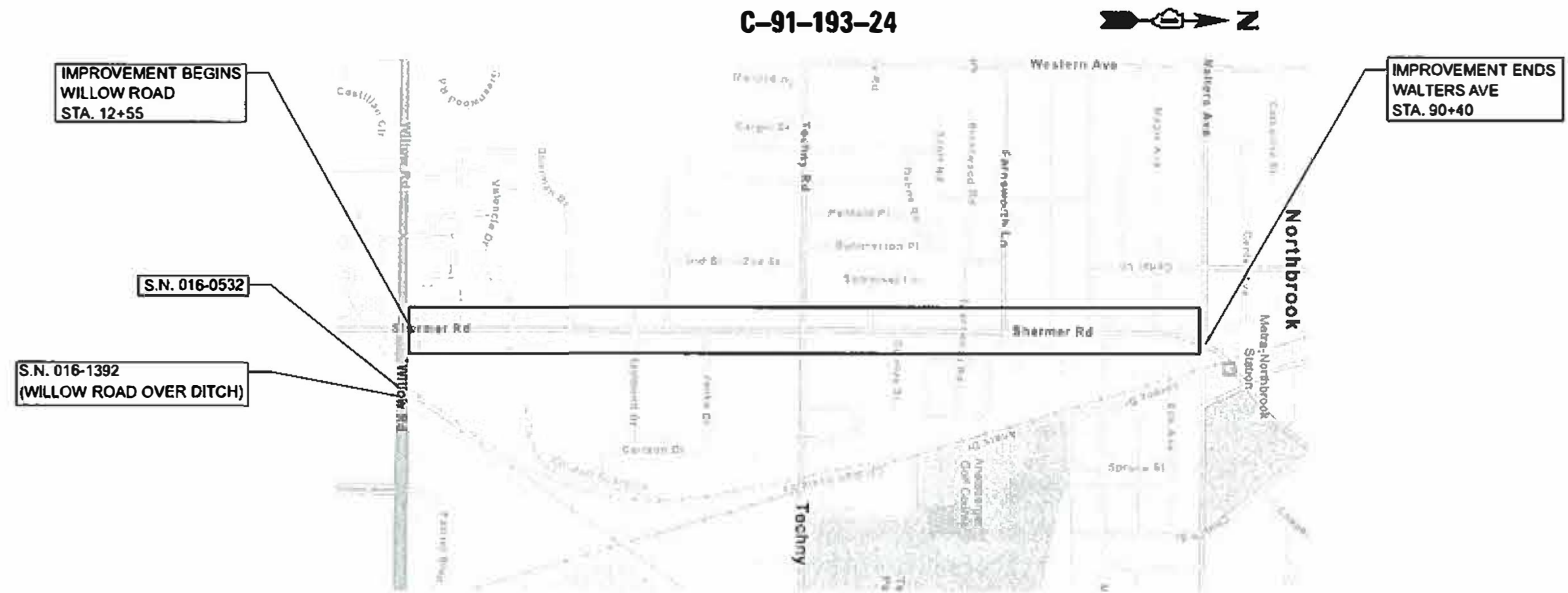
POSTED SPEED LIMIT = 30 MPH  
DESIGN SPEED LIMIT = 30 MPH  
2023 ADT = 13100



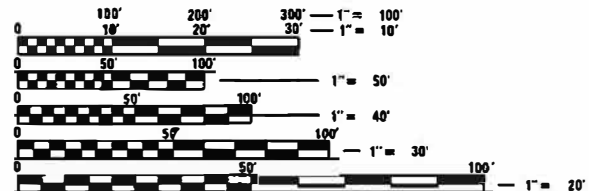
LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

SEPSTEIN

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



GROSS LENGTH = 7,785 FT. = 1.47 MILE  
NET LENGTH = 7,785 FT. = 1.47 MILE



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

EXP. 11/30/2025



<b>AGENCY RESPONSIBLE FOR LETTING</b>	
APPROVED	June 11 2024
	<i>Ann Beld</i> VILLAGE ENGINEER - VILLAGE OF NORTHBROOK
PASSED	July 25 24
	<i>Chadwick</i> DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	July 25 24 <i>Janet S. IR</i> REGIONAL ENGINEER

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

**INDEX OF SHEETS**

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**LIST OF DISTRICT 1 DETAILS**

**DETAIL NUMBER**

**DESCRIPTION**

BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINTS AND HMA TAPER
BD-33	HMA TAPER AT EDGE OF PCC PAVEMENT
BE-702	MISCELLANEOUS ELECTRICAL DETAILS, SHEET A - CABLE SPACE, POLE WIRING, TRENCH DETAIL)
BE-800	TEMPORARY LIGHT POLE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-02	MAST ARM MOUNTED STREET NAME SIGNS
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

**HIGHWAY STANDARDS**

**STANDARD**

**NUMBER**

**DESCRIPTION**

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442101-09	CLASS B PATCHES
602301-04	INLET, TYPE A
602306-03	INLET, TYPE B
604001-05	FRAME AND LIDS, TYPE 1
604016-04	FRAME AND GRATE, TYPE 4
604091-05	FRAME AND GRATE, TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15 FT AWAY
701101-05	OFF-RD OPERATIONS, MULTILANE 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
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS LESS THAN 40 MPH
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
821101-02	LUMINAIRE WIRING IN POLE
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'
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

**GENERAL NOTES**

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS AND OTHER AGENCIES AFFECTED BY THE CLOSURE. TWO WEEKS PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT 811, OR (800) 892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT AND CONCRETE PANEL REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR 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 STANDARD SPECIFICATIONS 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.

**COMMITMENTS**

NONE

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS,  
LIST OF HIGHWAY STANDARDS, AND GENERAL NOTES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	2
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

MODEL: D:\data\...  
FILE NAME: P:\proj\...  
DATE: 08/07/2024



DESIGNED - JK	REVISED -
DRAWN - CC	REVISED -
CHECKED - JGC	REVISED -
DATE - 08/07/2024	REVISED -



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	
				ROADWAY	TRAFFIC SIGNALS	BICYCLE PATH	LIGHTING	TRAINEES	
				0005	0021	0028	0021	0042	
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	50	50					
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	97	97					
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	97	97					
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	97	97					
* 25200110	SODDING, SALT TOLERANT	SQ YD	7,753	7,753					
* 25200200	SUPPLEMENTAL WATERING	UNIT	233	233					
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	167	167					
28000400	PERIMETER EROSION BARRIER	FOOT	4,428	4,428					
28000510	INLET FILTERS	EACH	82	82					
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	8,041	8,041					
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	254	254					
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1,673	1,673					
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	7076	66			7,010		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	15,773				15,773		

\* DENOTES SPECIALTY ITEMS

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	DESIGNED - JRK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - CC	REVISED -						2760	22-00183-00-BT	COOK	182	4
	CHECKED - JGC	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61K70				
	DATE - 07/24/2024	REVISED -						ILLINOIS   FED. AID PROJECT				







CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
				ROADWAY	TRAFFIC SIGNALS	BICYCLE PATH	LIGHTING	TRAINEES
				0005	0021	0028	0021	0042
				URBAN	URBAN	URBAN	URBAN	URBAN
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,516	5,516				
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	6,026	6,026				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	717	717				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1				
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	20				
67100100	MOBILIZATION	L SUM	1	1				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	436	436				
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	14				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	514	514				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	514	514				
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	682	682				
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	49,089	49,089				

\* DENOTES SPECIALTY ITEMS

MODEL: D:\epstn\2200193\2200193.DWG  
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	DESIGNED - JRK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - CC	REVISED -						2760	22-00193-00-BT	COOK	182	8
	CHECKED - JGC	REVISED -						CONTRACT NO. 61K70				
DATE - 07/24/2024	REVISED -	SCALE:		SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS   FED. AID PROJECT		





CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
				ROADWAY	TRAFFIC SIGNALS	BICYCLE PATH	LIGHTING	TRAINEES
				0005	0021	0028	0021	0042
				URBAN	URBAN	URBAN	URBAN	URBAN
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1				1	
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	262		237		25	
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	230				230	
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	109		109			
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	277		277			
* 81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	1,125				1125	
* 81400100	HANDHOLE	EACH	3		3			
* 81400300	DOUBLE HANDHOLE	EACH	1		1			
* 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1				1	
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	605				605	
* 81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	4,865				4865	
* 81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	85				85	
* 81800240	AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER WIRE	FOOT	325				325	
* 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1				1	

\* DENOTES SPECIALTY ITEMS

MODEL DATE: P:\Projects\23000031250 DESIGN\CH\Work\ByS\Sheet031250\_SHT Quantities.dgn

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	DATE - 07/24/2024	REVISED -										



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
				ROADWAY	TRAFFIC SIGNALS	BICYCLE PATH	LIGHTING	TRAINEES
				0005	0021	0021	0021	0042
				URBAN	URBAN	URBAN	URBAN	URBAN
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20			
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4			
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28		28			
* 87900200	DRILL EXISTING HANDHOLE	EACH	11		11			
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6		6			
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5		5			
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		1			
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2		2			
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12		12			
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8		8			
* 88600100	DETECTOR LOOP, TYPE I	FOOT	905		905			
* 88700200	LIGHT DETECTOR	EACH	2		2			
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1			
* 89000101	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1			
* 89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	1		1			
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3		3			

\* DENOTES SPECIALTY ITEMS

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	DESIGNED - JRK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - CC	REVISED -					2760	22-00183-09-BT	COOK	182	12
	CHECKED - JGC	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.					CONTRACT NO. 61K70		
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
				ROADWAY	TRAFFIC SIGNALS	BICYCLE PATH	LIGHTING	TRAINEES
				0005 URBAN	0021 URBAN	0028 URBAN	0021 URBAN	0042 URBAN
* 89502376	REBUILD EXISTING HANDHOLE	EACH	2		2			
* 89502380	REMOVE EXISTING HANDHOLE	EACH	3		3			
* 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1			
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		9			
* A2002820	TRCC, CATALPA SPECIOSA (NORTHERN CATALPA), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5	5				
* A2002920	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	11	11				
* A2004514	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2-1/2" CALIPER BALLED AND BURLAPPED	EACH	6	6				
* A2005040	TREE, GYMNOCLADUS DIOICUS ESPRESSO-JFS (ESPRESSO KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	11	11				
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	11				
* A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	12	12				
* A2007820	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	12	12				
* A2008722	TREE, ULMUS PATRIOT (PATRIOT ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2				
* A2008752	TREE, ULMUS CARPINIFOLIA NEW HORIZON, (NEW HORIZON SMOOTHLEAF ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2				
* B2006290	TREE, SYRINGA RETICULATA BAILANCE (FIRST EDITION SNOWDANCE JAPANESE TREE LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND	EACH	3	3				

\* DENOTES SPECIALTY ITEMS

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<b>EPSTEIN</b>	DESIGNED - JRK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - CC	REVISED -					2760	22-00183-00-BT	COOK	182	13
	CHECKED - JGC	REVISED -					CONTRACT NO. 61K70				
	DATE - 07/24/2024	REVISED -					ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
				ROADWAY	TRAFFIC SIGNALS	BICYCLE PATH	LIGHTING	TRAINEES
				0005	0021	0021	0021	0042
				URBAN	URBAN	URBAN	URBAN	URBAN
* C2001049	SHRUB, CARYOPTERIS X CLANDONENSIS ARTHUR SIMMONDS (ARTHUR SIMMONDS BLUEBEARD), 1-GALLON	EACH	88	88				
* C2001120	SHRUB, CEANOTHUS AMERICANUS (NEW JERSEY TEA), CONTAINER GROWN, 3-GALLON	EACH	117	117				
* C20023G5	SHRUB, DIERVILLA LONICERA (BUSH HONEY SUCKLE), 5-GALLON	EACH	37	37				
* C2C03118	SHRUB, FORSYTHIA VIRIDISSIMA BRONXENSIS (BRONX GREENSTEM FORSYTHIA), 18" WIDTH, CONTAINER	EACH	121	121				
* K0012975	PERENNIAL PLANTS, ORNAMENTAL TYPE, 4" POT	UNIT	6.70	6.7				
* K0013020	PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT	UNIT	1.77	1.77				
* K0026850	PERENNIAL PLANT CARE	SQ YD	160	160				
* K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	11	11				
* K0036120	MULCH PLACEMENT 4"	SQ YD	674	674				
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	312		312			
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1		1			
* X1400238	LUMINAIRE, LED, SPECIAL	EACH	2				2	

\* DENOTES SPECIALTY ITEMS

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**EPSTEIN**

DESIGNED - JRK  
 DRAWN - CC  
 CHECKED - JGC  
 DATE - 08/07/2024

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	14
CONTRACT NO. 61K70			ILLINOIS   FED. AID PROJECT	



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
				ROADWAY	TRAFFIC SIGNALS	BICYCLE PATH	LIGHTING	TRAINEES
				0005	0021	0021	0021	0042
				URBAN	URBAN	URBAN	URBAN	URBAN
* X8161000	EXPOSE AND RELOCATE EXISTING UNIT DUCT	FOOT	20				20	
* X8211007	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	4				4	
* X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1				1	
* X8301042	MAST ARM, ALUMINUM, 12 FT.	EACH	2				2	
* X8360210	LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL	FOOT	40				40	
* X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	42				42	
* X8410141	REMOVAL OF TEMPORARY LUMINAIRE	EACH	4				4	
* X8570233	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1			
* X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1		1			
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12		12			
* X8770127	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT. (SPECIAL)	EACH	1		1			
* X8770136	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	1		1			
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12		12			
* X8780107	CONCRETE FOUNDATION (SPECIAL)	FOOT	14		14			
* X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	3		3			
* XX002260	STRUCTURES TO BE REMOVED	EACH	15	15				

\* DENOTES SPECIALTY ITEMS

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	DESIGNED - JRK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - CC	REVISED -					2760	22-00183-00-BT	COOK	182	16
	CHECKED - JGC	REVISED -					CONTRACT NO. 61K70				
	DATE - 08/07/2024	REVISED -					SCALE:	SHEET	OF	SHEETS	STA.



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL	80% FED / 20% LOCAL
				ROADWAY	TRAFFIC SIGNALS	BICYCLE PATH	LIGHTING	TRAINEES
				0005	0021	0021	0021	0042
				URBAN	URBAN	URBAN	URBAN	URBAN
* XX007295	LIGHTING UNIT A, COMPLETE	EACH	1				1	
* XX007296	LIGHTING UNIT B, COMPLETE	EACH	5				5	
* XX008070	MAST ARM INSTALLATION TYPE 1	EACH	2				2	
* Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	66	66				
* Z0004522	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6"	SQ YD	588	588				
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	8				8	
X6640638	TEMPORARY CONSTRUCTION FENCE	FOOT	203	203				
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2		2			
* Z0076600	TRAINEES	HOUR	1,000					1000
* Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000					1000

\* DENOTES SPECIALTY ITEMS

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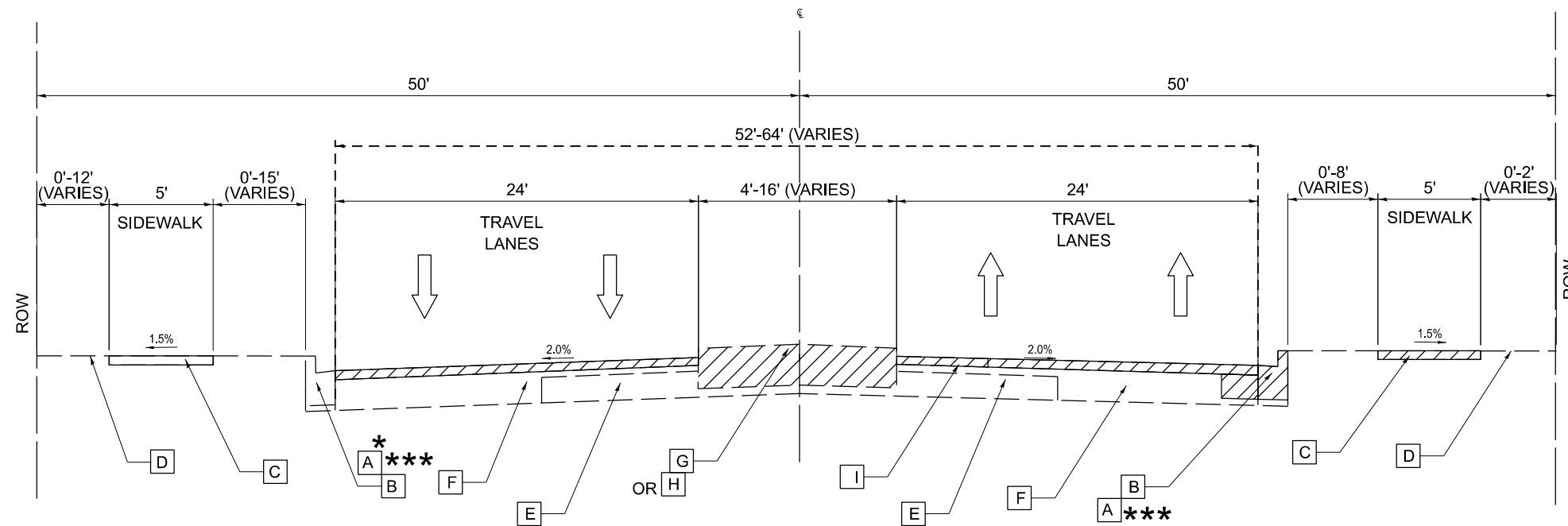
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DESIGNED - JRK	REVISED -
DRAWN - CC	REVISED -
CHECKED - JGC	REVISED -
DATE - 08/07/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

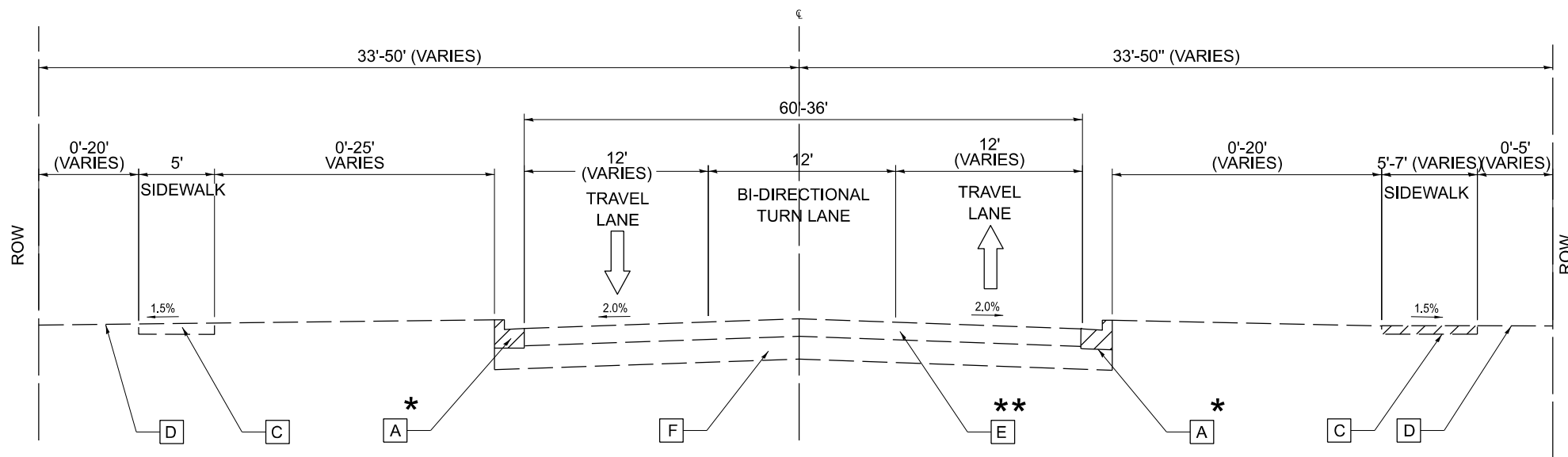
SUMMARY OF QUANTITIES	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	17
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION**

SHERMER ROAD  
 STA 10+00 TO STA 54+50  
 (LOOKING NORTH)



**EXISTING TYPICAL SECTION**

SHERMER ROAD  
 STA 54+50 TO STA 90+00  
 (LOOKING NORTH)

**EXISTING LEGEND**

- [A] EX. COMB. CONC. CURB & GUTTER, TYPE B-6.24
- [B] EX. COMB. CONC. CURB & GUTTER, TYPE B-6.12
- [C] EX. PCC SIDEWALK
- [D] EX. GROUND
- [E] EX. P.C.C. PAVEMENT, 9"
- [F] EX. BITUMINOUS BASE COURSE
- [G] CONCRETE MEDIAN
- [H] VARIABLE WIDTH CORRUGATED MEDIAN
- [I] ±4" - 5" BITUMINOUS CONCRETE
- [Hatched Box] REMOVAL ITEM

- NOTES:
- \* CURB AND GUTTER REMOVAL AND REPLACEMENT AS REQUIRED
  - \*\* PAVEMENT PATCHING AS REQUIRED
  - \*\*\* B6.12 FROM 16+05 TO 44+25  
 B6.24 FROM 12+60 TO 16+05 AND 44+25 TO 90+00

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS**

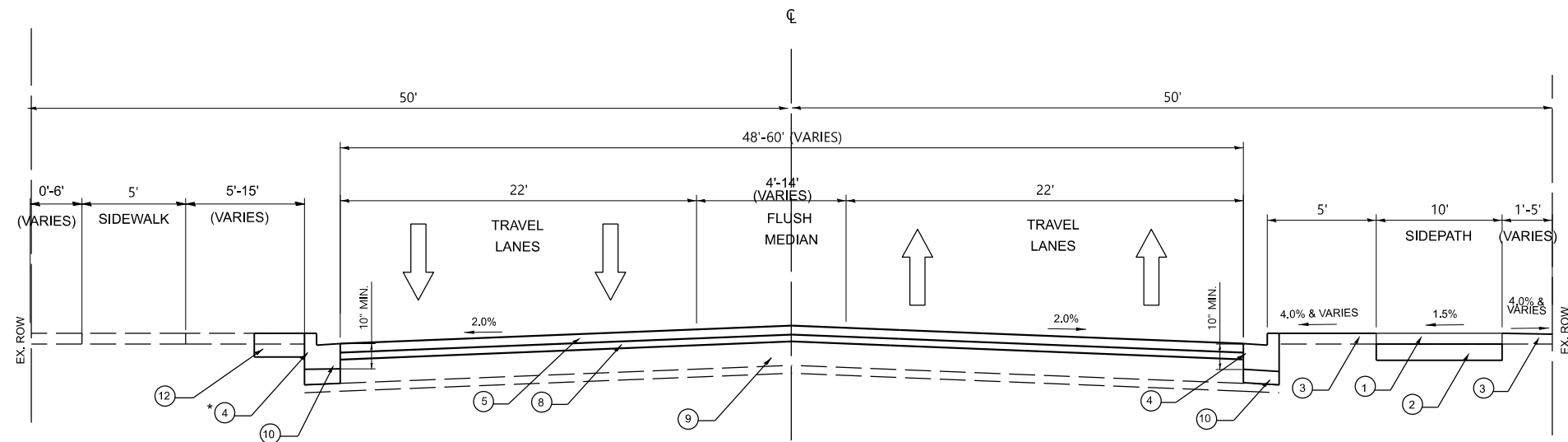
SCALE: SHEET 1 OF 2 SHEETS STA. 10+00 TO STA. 90+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	18
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

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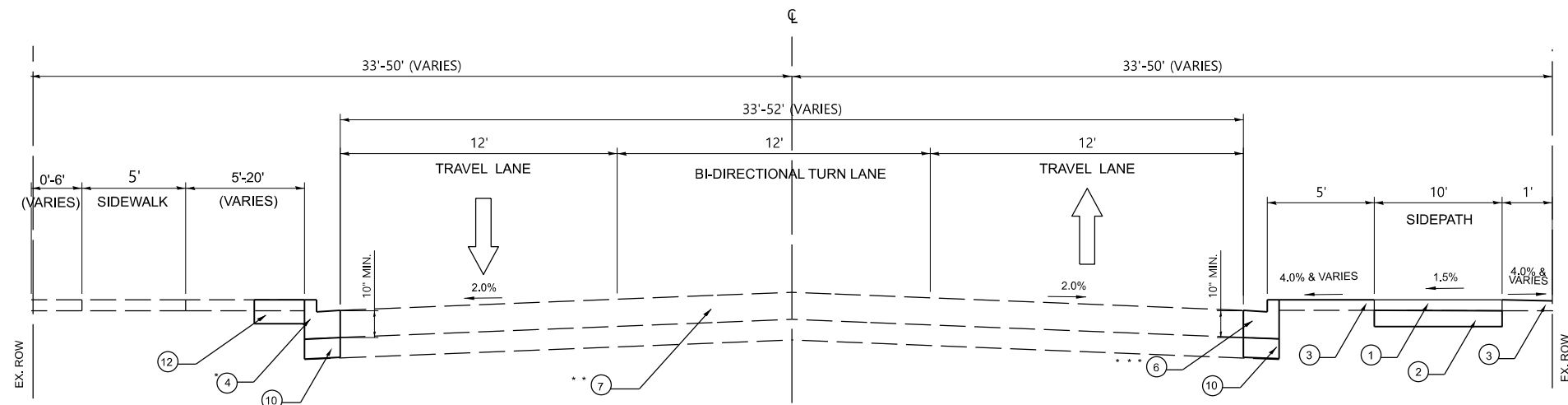
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DRAWN -	CC	REVISED -	
CHECKED -	JGC	REVISED -	
DATE -	07/09/2024	REVISED -	



**PROPOSED TYPICAL SECTION**

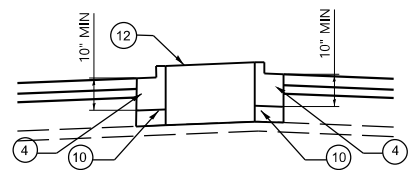
SHERMER ROAD  
STA 12+94 TO STA 54+50  
(LOOKING NORTH)

- NOTES**  
1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE P HMA BC IL-4.75 N50



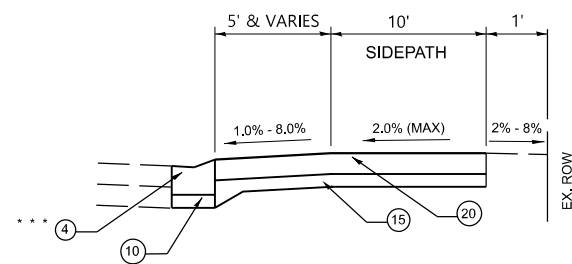
**PROPOSED TYPICAL SECTION**

SHERMER ROAD  
STA 54+50 TO STA 90+00  
(LOOKING NORTH)

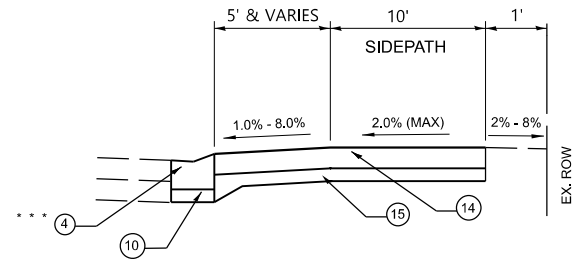


**TYPICAL SECTION AT LANDSCAPED MEDIANS**

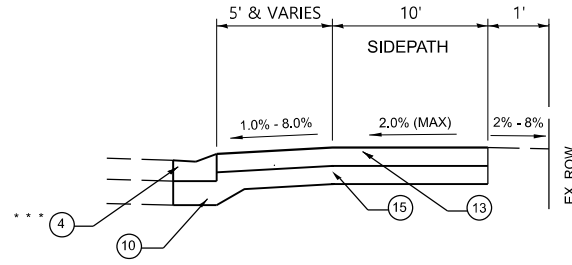
SHERMER RD AT LOCATIONS:  
STA 15+50 TO 16+80  
STA 25+15 TO 26+53  
STA 28+98 TO 30+79  
STA 86+57 TO 87+55



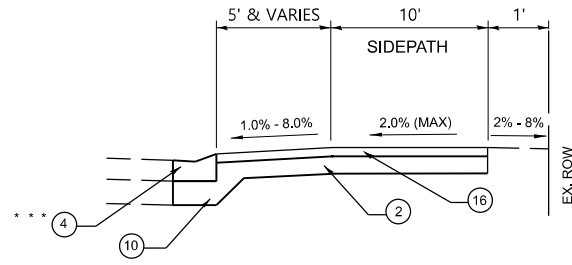
**TYPICAL SECTION AT PCC STREETS**



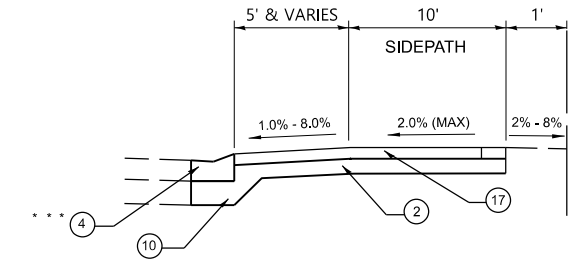
**TYPICAL SECTION AT COMMERCIAL PCC DRIVEWAYS**



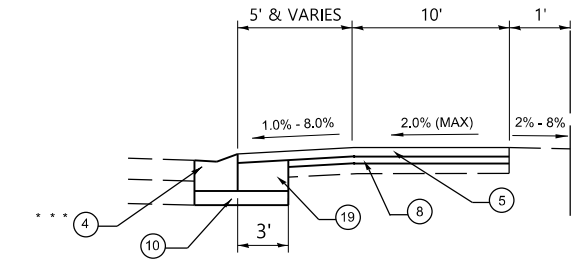
**TYPICAL SECTION AT PRIVATE PCC DRIVEWAYS**



**TYPICAL SECTION AT PRIVATE HMA DRIVEWAYS**



**TYPICAL SECTION AT COMMERCIAL HMA DRIVEWAYS**



**TYPICAL SECTION AT HMA STREETS**

**PROPOSED LEGEND**

- ① HMA SURFACE COURSE, MIX "D", IL 9.5, N50, 4" (In two lifts)
- ② AGGREGATE BASE COURSE, TYPE B, 8"
- ③ TOPSOIL FURNISH AND PLACEMENT 4" AND SALT-TOLERANT SODDING
- ④ COMBINATION CURB AND GUTTER, TYPE B-6.12
- ⑤ HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- ⑥ COMBINATION CURB AND GUTTER, TYPE B-6.24
- ⑦ CLASS B PATCHES
- ⑧ POLYMERIZED HMA BINDER COURSE IL-4.75 N50 3/4"
- ⑨ CONCRETE BASE COURSE REMOVAL AND REPLACEMENT AS REQUIRED
- ⑩ AGGREGATE BASE COURSE, TYPE B, 4"
- ⑪ PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
- ⑫ TOPSOIL FURNISH AND PLACEMENT, 24"
- ⑬ PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"
- ⑭ PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"
- ⑮ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑯ HMA DRIVEWAY PAVEMENT, 4"
- ⑰ HMA DRIVEWAY PAVEMENT, 6"
- ⑱ HMA SURFACE COURSE, MIX "D", IL 9.5, N50, 2" (In two lifts)
- ⑲ HMA BINDER COURSE, IL-19.0, N50, 8 1/2"
- ⑳ PORTLAND CEMENT CONCRETE PAVEMENT, 10"

**NOTES:**

- \* CURB AND GUTTER REMOVAL AND REPLACEMENT AS REQUIRED
- \* PAVEMENT PATCHING AS REQUIRED
- \* B6.12 FROM 16+05 TO 44+25
- \* B6.24 FROM 12+60 TO 16+05 AND
- \*\* 44+25 TO 90+00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1-1/2"	4% @ 70 CYR.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 CYR.	LR 1030-2
CLASS D PATCHING AND PAVEMENT PATCHING (SPECIAL)		
CLASS D PATCHES (HMA BINDER IL-19.0, N70)	4% @ 70 CYR.	LR 1030-2
DRIVEWAYS - PRIVATE ENTRANCE (HMA DRIVEWAY PAVEMENT 4")		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 4" (IN TWO LIFTS)	4% @ 50 CYR.	LR 1030-2
DRIVEWAYS - COMMERCIAL ENTRANCE (HMA DRIVEWAY PAVEMENT 6")		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 CYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"	4% @ 50 CYR.	LR 1030-2
SIDEPATH (SHARED-USE PATH)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 4" (IN TWO LIFTS)	4% @ 50 CYR.	LR 1030-2
HMA STREETS (DETAIL) (RAYMOND DR / JANKE DR)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 CYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8 1/2"	4% @ 50 CYR.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 CYR.	LR 1030-2
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD/IN.
2. 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.
3. MILLING BEFORE PATCHING, REFER TO BD-22

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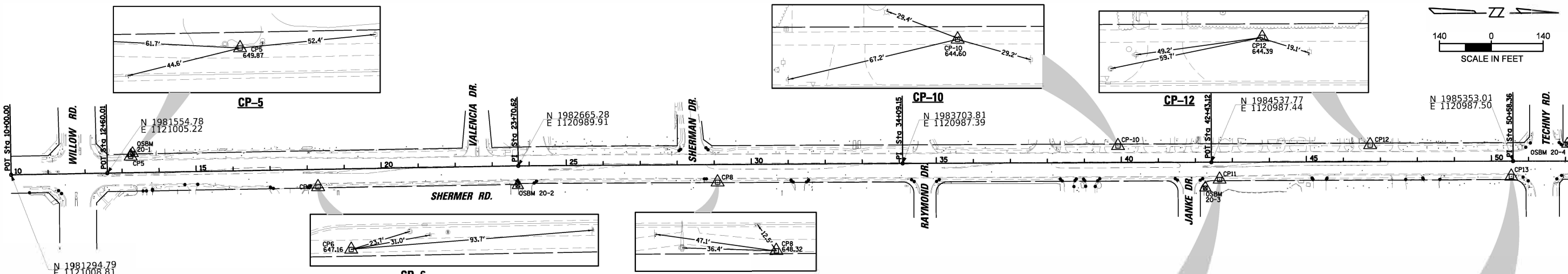
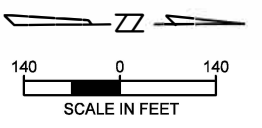
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DRAWN -	CC	REVISED -	
CHECKED -	JGC	REVISED -	
DATE -	07/24/2024	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS**  
SCALE: SHEET 2 OF 2 SHEETS STA. 10+00 TO STA. 90+00

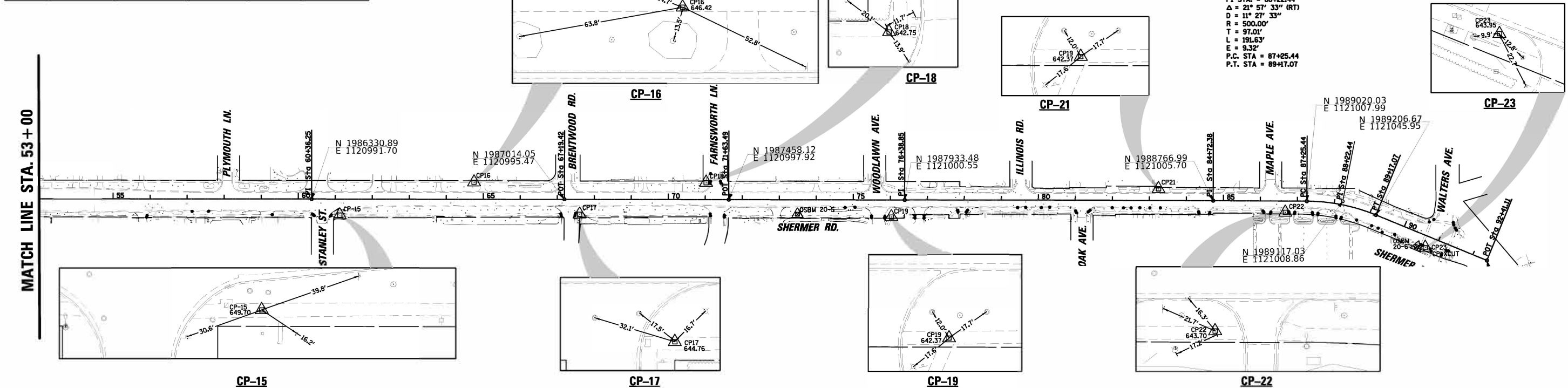
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	19
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 53+00



CP#	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
5	1 981 617.92	1 120 960.27	13+23.77	44.08' LT	CP-XCUT
6	1 982 123.97	1 121 044.77	18+28.61	47.39' RT	CP-XCUT
8	1 983 203.58	1 121 036.24	29+08.80	47.64' RT	CP-XCUT
10	1 984 285.74	1 120 942.35	39+91.08	45.07' LT	CP-XCUT
11	1 984 560.00	1 121 034.10	42+65.35	46.66' RT	CP-XCUT
12	1 984 967.13	1 120 942.68	46+72.47	44.79' LT	CP-XCUT
13	1 985 348.16	1 121 028.94	50+53.51	41.45' RT	CP-XCUT
15	1 986 407.57	1 121 035.79	61+13.17	43.67' RT	CP-XCUT
16	1 986 770.15	1 120 948.16	64+75.25	45.97' LT	CP-XCUT
17	1 987 055.73	1 121 038.39	67+61.33	42.69' RT	CP-XCUT
18	1 987 397.03	1 120 951.69	71+02.14	45.90' LT	CP-XCUT
19	1 987 898.03	1 121 046.91	76+03.66	46.56' RT	CP-XCUT
21	1 988 619.47	1 120 973.38	83+24.67	31.40' LT	CP-XCUT
22	1 988 961.89	1 121 038.15	86+67.56	30.69' RT	CP-XCUT
23	1 989 339.72	1 121 134.72	90+73.94	31.16' RT	CP-XCUT

ELEVATION BENCHMARKS DATUM: NAVD '88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 20-3	SQUARE CUT ON NORTHWEST CORNER OF HEADWALL AT NORTHEAST CORNER OF JANKE DR. & SHERMER RD.	643.67
OSBM 20-1	X-CUT ON NORTHWEST BOLT OF HYDRANT AT NORTHWEST CORNER OF WILLOW RD. & SHERMER RD.	651.10
OSBM 20-2	SQUARE CUT ON NORTHWEST CORNER OF HEADWALL AT SOUTHEAST CORNER OF SOUTH ENTRANCE TO #2031 SHERMER RD.	648.65
OSBM 20-4	THE SOUTHEAST CORNER OF TRAFFIC CONTROL BOX AT THE NORTHWEST CORNER OF SHERMER RD. & TECHNYS RD.	650.15
OSBM 20-5	SOUTHEAST ARROW BOLT OF HYDRANT JUST NORTH OF SOUTH ENTRANCE TO #1657 SHERMER RD.	644.45
OSBM 20-6	SQUARE CUT ON SOUTHWEST CORNER OF TRAFFIC BOX AT THE SOUTHEAST CORNER OF WALTERS AV. & SHERMER RD.	644.54

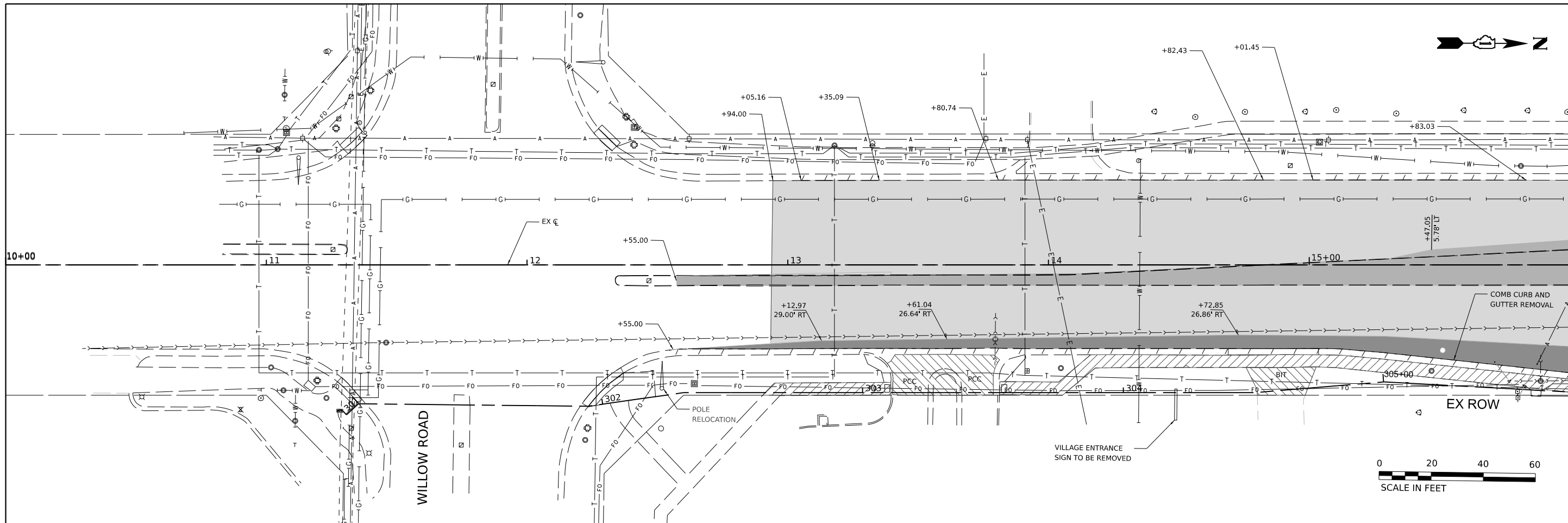


PROP. CURVE 0001  
 PI STA. = 88+22.44  
 $\Delta = 21^\circ 57' 33''$  (RT)  
 D =  $11^\circ 27' 33''$   
 R = 500.00'  
 T = 97.01'  
 L = 191.63'  
 E = 9.32'  
 P.C. STA = 87+25.44  
 P.T. STA = 89+17.07

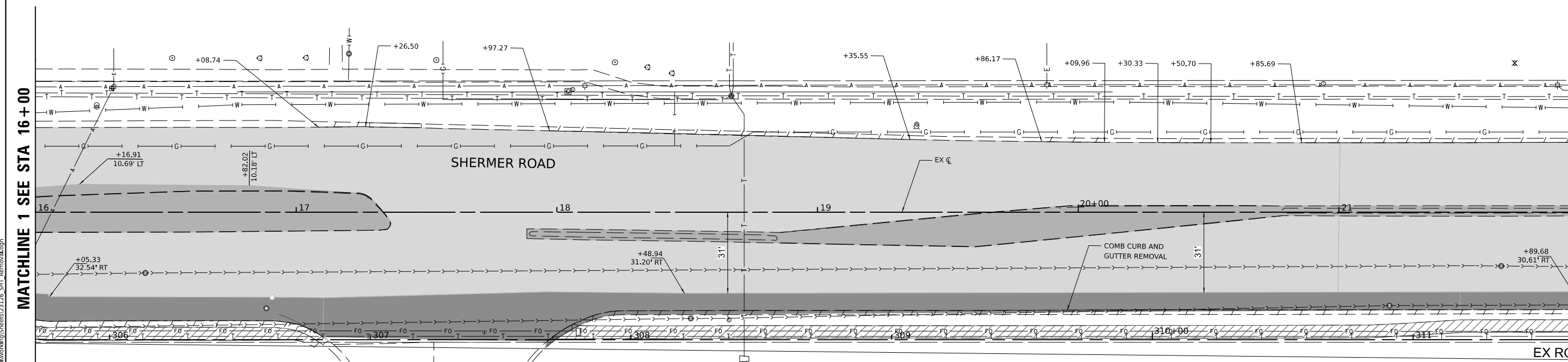
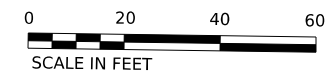
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SCALE: 1" = 140'    SHEET OF XX SHEETS STA. TO STA.



MATCHLINE 1 SEE STA 16+00



MATCHLINE 1 SEE STA 16+00

MATCHLINE 2 SEE STA 22+00

- NOTES:
1. SAW CUT, FULL DEPTH WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN PAVEMENT REMOVAL PAY ITEM.
  2. SEE DRAINAGE PLANS AND SCHEDULES FOR DRAINAGE REMOVALS.
  3. SEE PAVEMENT MARKING SHEETS FOR SIGNAGE REMOVAL AND RELOCATION.
  4. THE RESIDENT ENGINEER IS TO VERIFY CONDITION OF CURB AND PANELS PRIOR TO REMOVAL.

**REMOVAL LEGEND:**

	HMA SURFACE REMOVAL, 2.25"		PAVEMENT REMOVAL		TREE PRUNING
	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL		TREE TRUNK PROTECTION
	COMB CURB AND GUTTER REMOVAL		TREE REMOVAL		TREE ROOT PRUNING
	PAVEMENT PATCHING				

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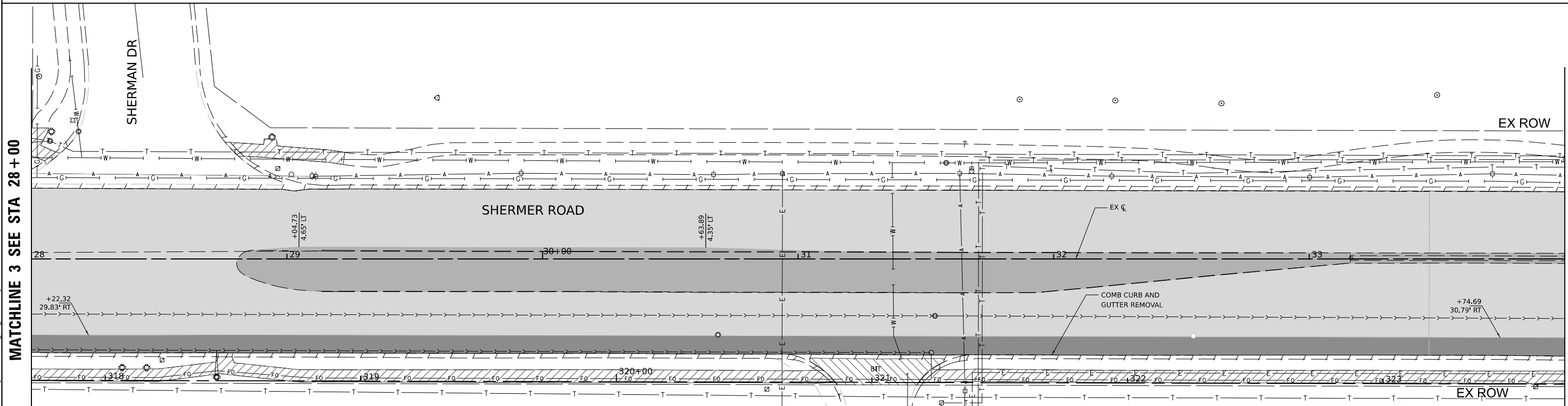
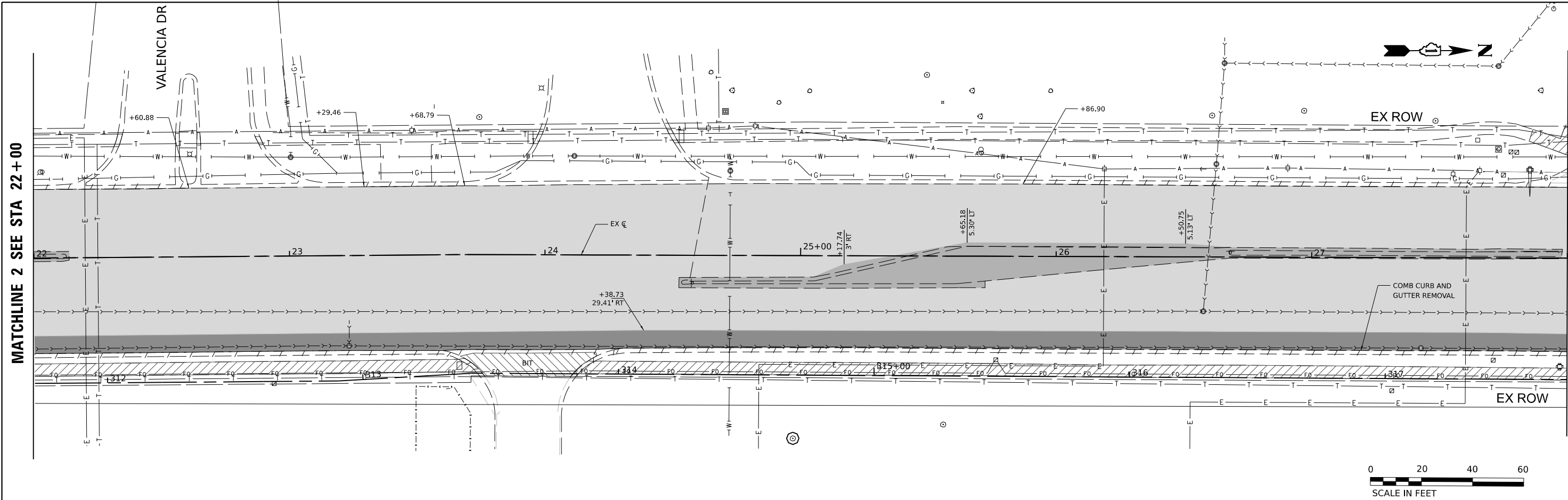
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DRAWN	DR	CHECKED	JK	REVISED	
PLOT SCALE	0.16666685"/in.	DATE	07/24/2024	REVISED	
PLOT DATE	7/25/2024				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS**

SCALE: 1"=20'      SHEET 1 OF 7 SHEETS      STA. 10+00 TO STA. 22+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	21
CONTRACT NO. 61K70				
		ILLINOIS	FED. AID PROJECT	



**REMOVAL LEGEND:**

HMA SURFACE REMOVAL, 2.25"	PAVEMENT REMOVAL	TREE PRUNING
DRIVEWAY PAVEMENT REMOVAL	SIDEWALK REMOVAL	TREE TRUNK PROTECTION
COMB CURB AND GUTTER REMOVAL	TREE REMOVAL	TREE ROOT PRUNING
PAVEMENT PATCHING		

- NOTES:**
1. SAW CUT, FULL DEPTH WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN PAVEMENT REMOVAL PAY ITEM.
  2. SEE DRAINAGE PLANS AND SCHEDULES FOR DRAINAGE REMOVALS.
  3. SEE PAVEMENT MARKING SHEETS FOR SIGNAGE REMOVAL AND RELOCATION.
  4. THE RESIDENT ENGINEER IS TO VERIFY CONDITION OF CURB AND PANELS PRIOR TO REMOVAL.

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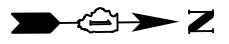


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DRAWN	DR	CHECKED	JK	REVISED	-
PLOT SCALE	0.16666685 1/ in.	DATE	07/24/2024	REVISED	-
PLOT DATE	7/25/2024				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

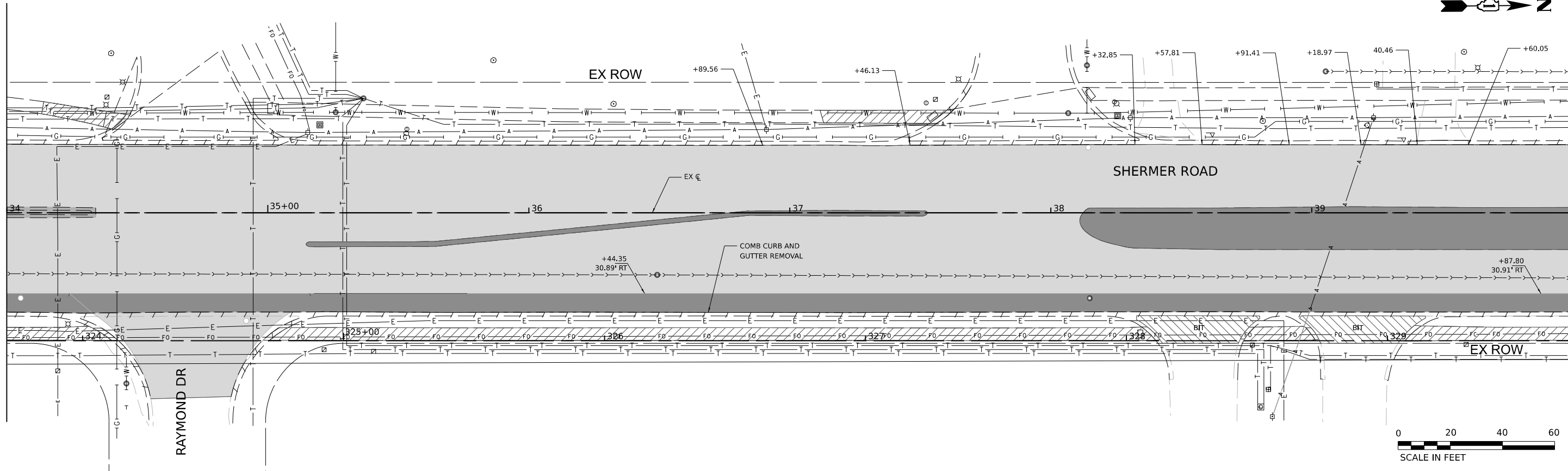
<b>REMOVAL PLANS</b>			
SCALE: 1"=20'	SHEET 2	OF 7 SHEETS	STA. 22+00 TO STA. 34+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	22
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



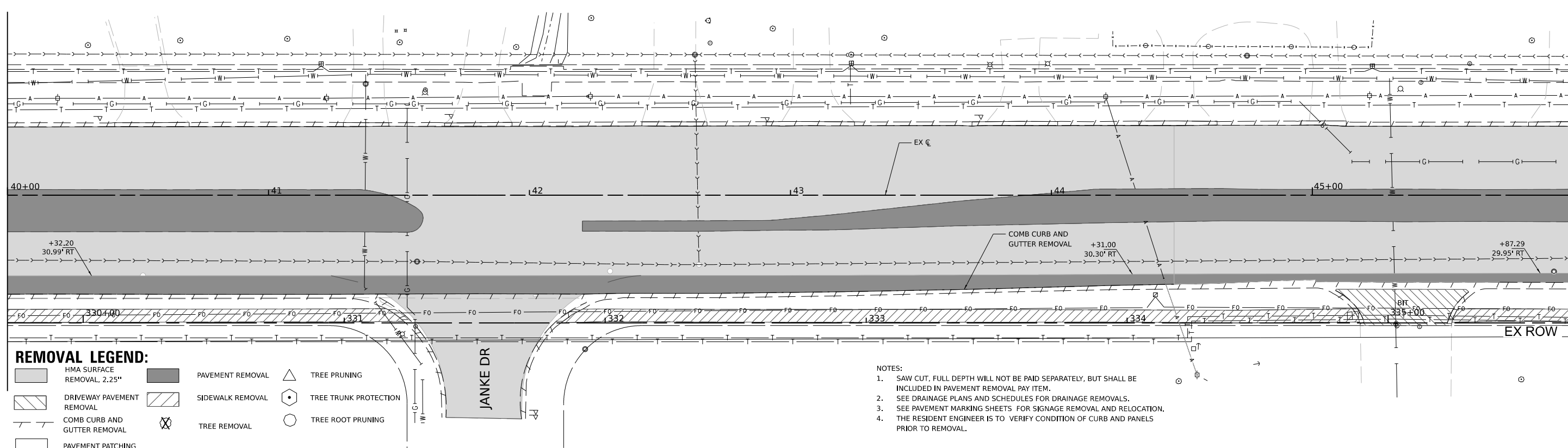
MATCHLINE 4 SEE STA 34+00

MATCHLINE 5 SEE STA 40+00



MATCHLINE 5 SEE STA 40+00

MATCHLINE 6 SEE STA 46+00



**REMOVAL LEGEND:**

- HMA SURFACE REMOVAL, 2.25"
- PAVEMENT REMOVAL
- TREE PRUNING
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- TREE TRUNK PROTECTION
- COMB CURB AND GUTTER REMOVAL
- TREE REMOVAL
- TREE ROOT PRUNING
- PAVEMENT PATCHING

**NOTES:**

1. SAW CUT, FULL DEPTH WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN PAVEMENT REMOVAL PAY ITEM.
2. SEE DRAINAGE PLANS AND SCHEDULES FOR DRAINAGE REMOVALS.
3. SEE PAVEMENT MARKING SHEETS FOR SIGNAGE REMOVAL AND RELOCATION.
4. THE RESIDENT ENGINEER IS TO VERIFY CONDITION OF CURB AND PANELS PRIOR TO REMOVAL.

MODEL: PCL - Rtn 5-2  
FILE NAME: P:\05\2300023126\_C\_DESIGN\DWG\Working\Sheet\23126\_SHT\_Removal.dgn



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PLOT DATE	7/25/2024

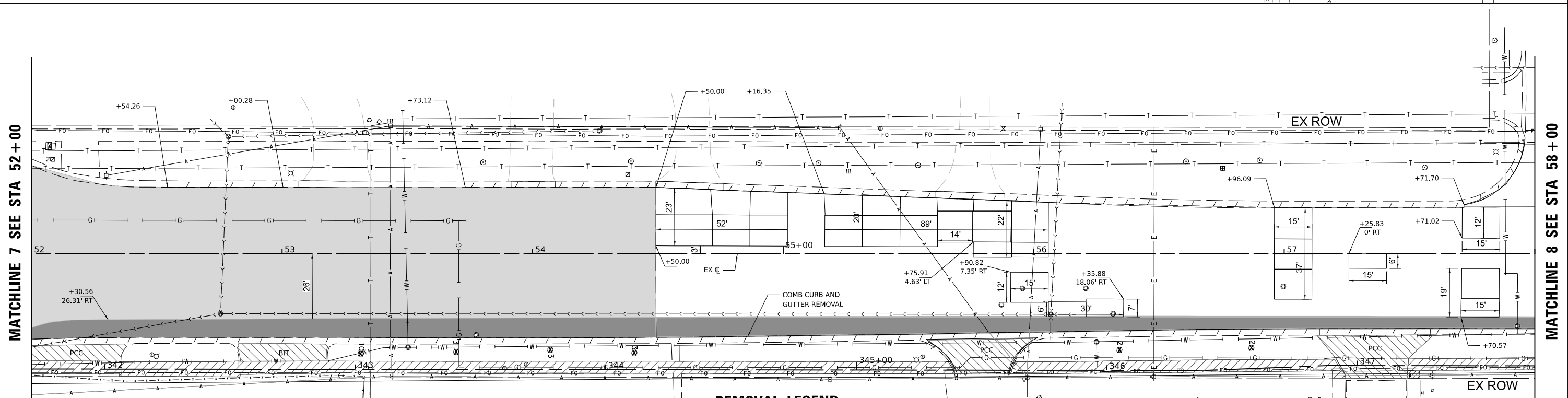
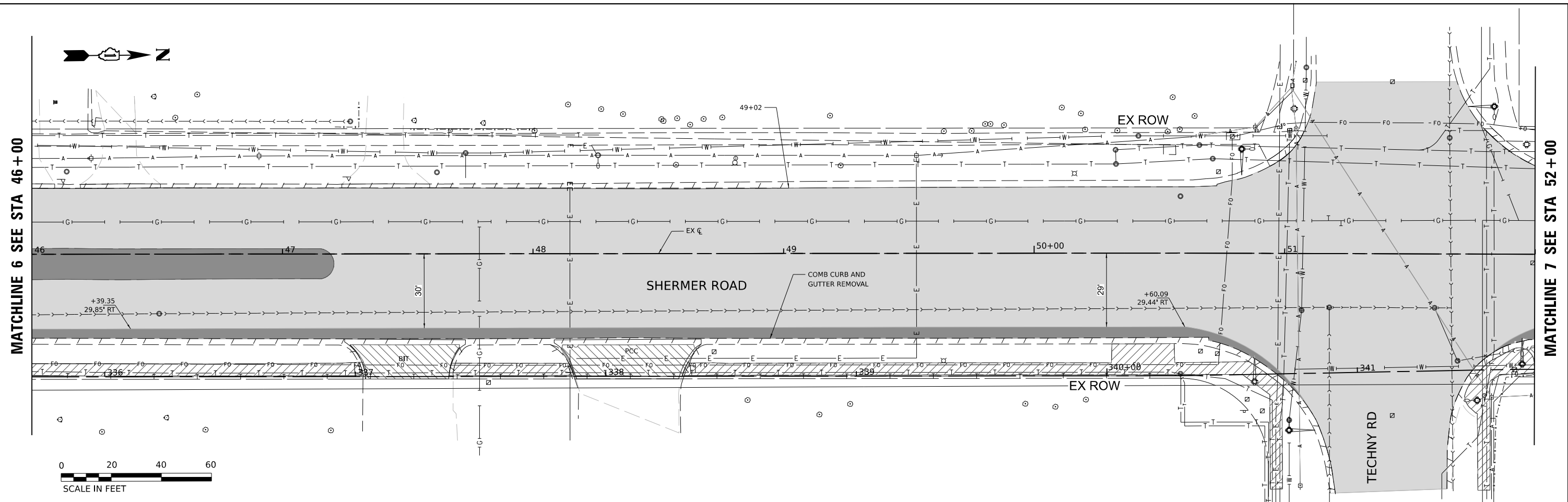
DESIGNED	- SP
DRAWN	- DR
CHECKED	- JK
DATE	- 07/24/2024

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLANS			
SCALE: 1"=20'	SHEET 3	OF 7 SHEETS	STA. 34+00 TO STA. 46+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	23
				CONTRACT NO. 61K70
				ILLINOIS FED. AID PROJECT



- NOTES:
1. SAW CUT, FULL DEPTH WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN PAVEMENT REMOVAL PAY ITEM.
  2. SEE DRAINAGE PLANS AND SCHEDULES FOR DRAINAGE REMOVALS.
  3. SEE PAVEMENT MARKING SHEETS FOR SIGNAGE REMOVAL AND RELOCATION.
  4. THE RESIDENT ENGINEER IS TO VERIFY CONDITION OF CURB AND PANELS PRIOR TO REMOVAL.

**REMOVAL LEGEND:**

	HMA SURFACE REMOVAL, 2.25"		PAVEMENT REMOVAL		TREE PRUNING
	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL		TREE TRUNK PROTECTION
	COMB CURB AND GUTTER REMOVAL		TREE REMOVAL		TREE ROOT PRUNING
	PAVEMENT PATCHING				

MODEL: PCL - Rtn 7-2  
 FILE NAME: P:\03\23000\23126\DESIGN\DWG\Workshop\Sheet\23126\_SHT\_Removal.dgn



USER NAME	spaladugu	DESIGNED -	SP	REVISED -	
DRAWN -	DR	REVISED -		REVISED -	
CHECKED -	JK	REVISED -		REVISED -	
DATE	07/24/2024	REVISED -		REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS**

SCALE: 1"=20'      SHEET 4 OF 7 SHEETS      STA. 46+00 TO STA. 58+00

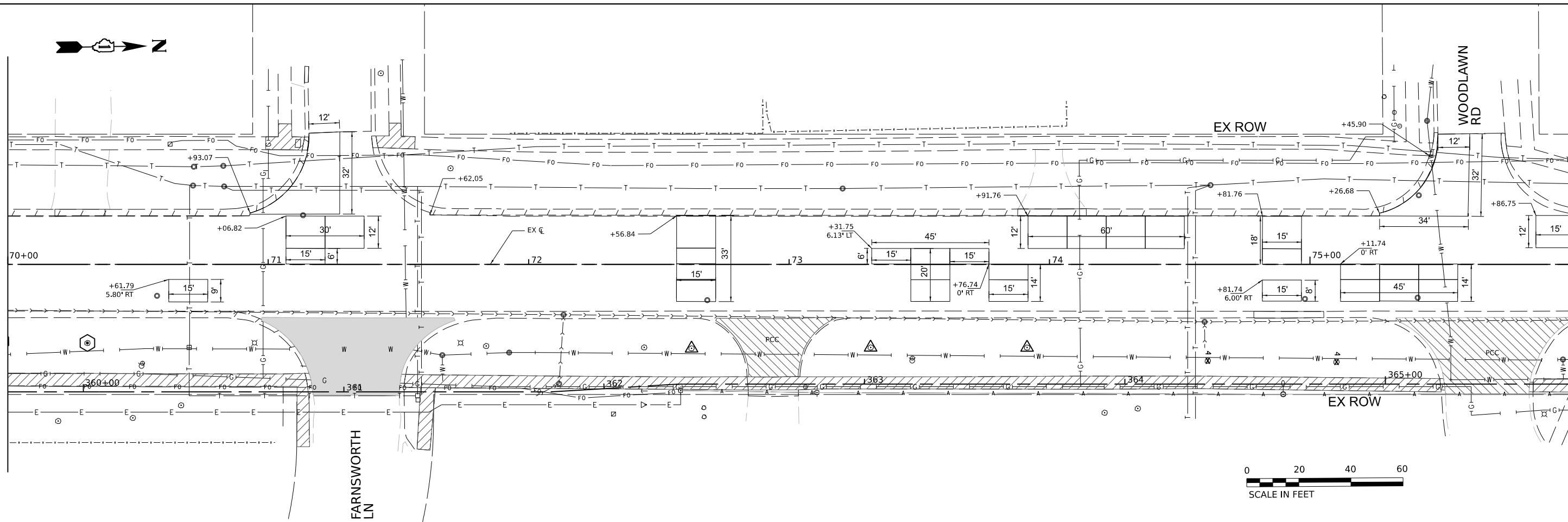
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	24
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				





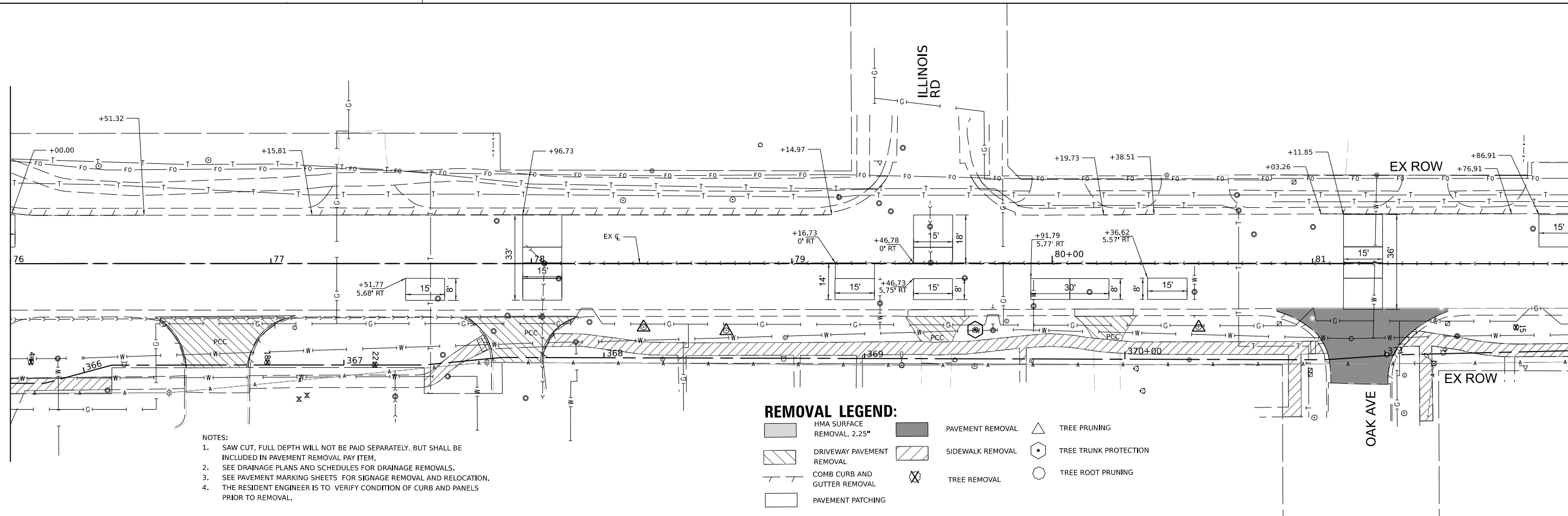


MATCHLINE 10 SEE STA 70+00



MATCHLINE 11 SEE STA 76+00

MATCHLINE 11 SEE STA 76+00



MATCHLINE 12 SEE STA 82+00

- NOTES:
1. SAW CUT, FULL DEPTH WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN PAVEMENT REMOVAL PAY ITEM.
  2. SEE DRAINAGE PLANS AND SCHEDULES FOR DRAINAGE REMOVALS.
  3. SEE PAVEMENT MARKING SHEETS FOR SIGNAGE REMOVAL AND RELOCATION.
  4. THE RESIDENT ENGINEER IS TO VERIFY CONDITION OF CURB AND PANELS PRIOR TO REMOVAL.

**REMOVAL LEGEND:**

	HMA SURFACE REMOVAL, 2.25"		PAVEMENT REMOVAL		TREE PRUNING
	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL		TREE TRUNK PROTECTION
	COMB CURB AND GUTTER REMOVAL		TREE REMOVAL		TREE ROOT PRUNING
	PAVEMENT PATCHING				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS**

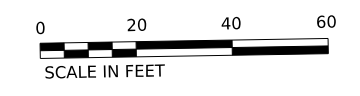
SCALE: 1"=20' SHEET 6 OF 7 SHEETS STA. 70+00 TO STA. 82+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	26
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

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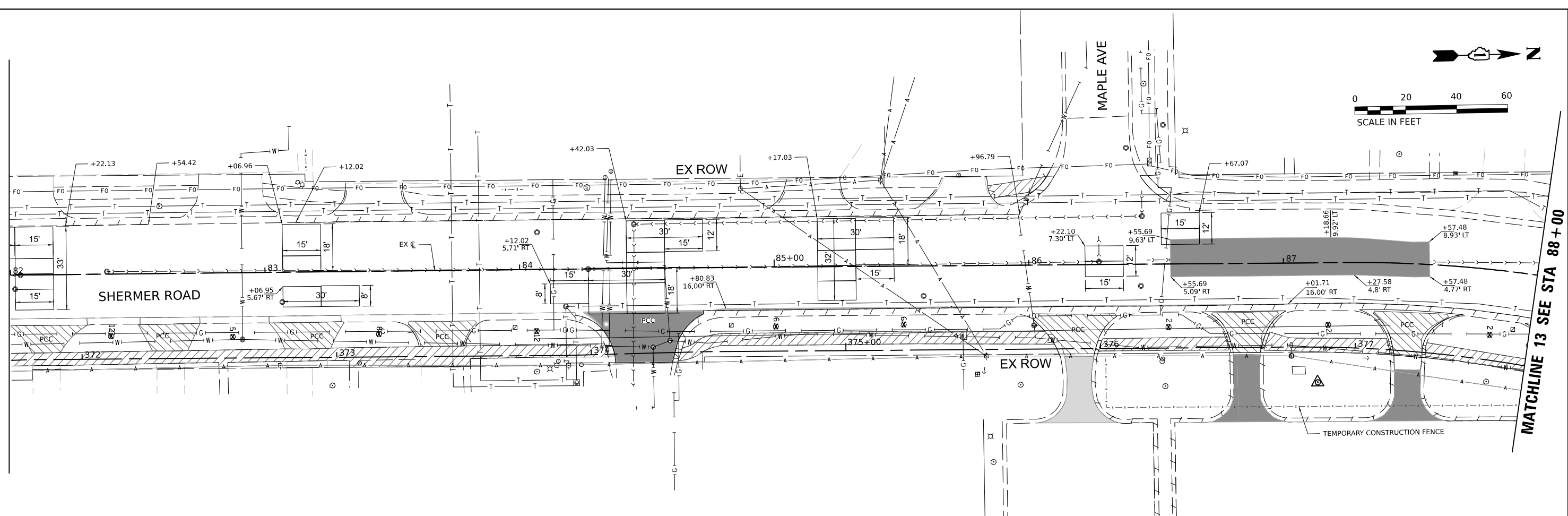


USER NAME	DESIGNED	REVISIONS
spaladugu	SP	
PLOT SCALE	DRAWN	REVISIONS
0.16666685"/in.	DR	
PLOT DATE	CHECKED	REVISIONS
7/25/2024	JK	
	DATE	REVISIONS
	07/24/2024	

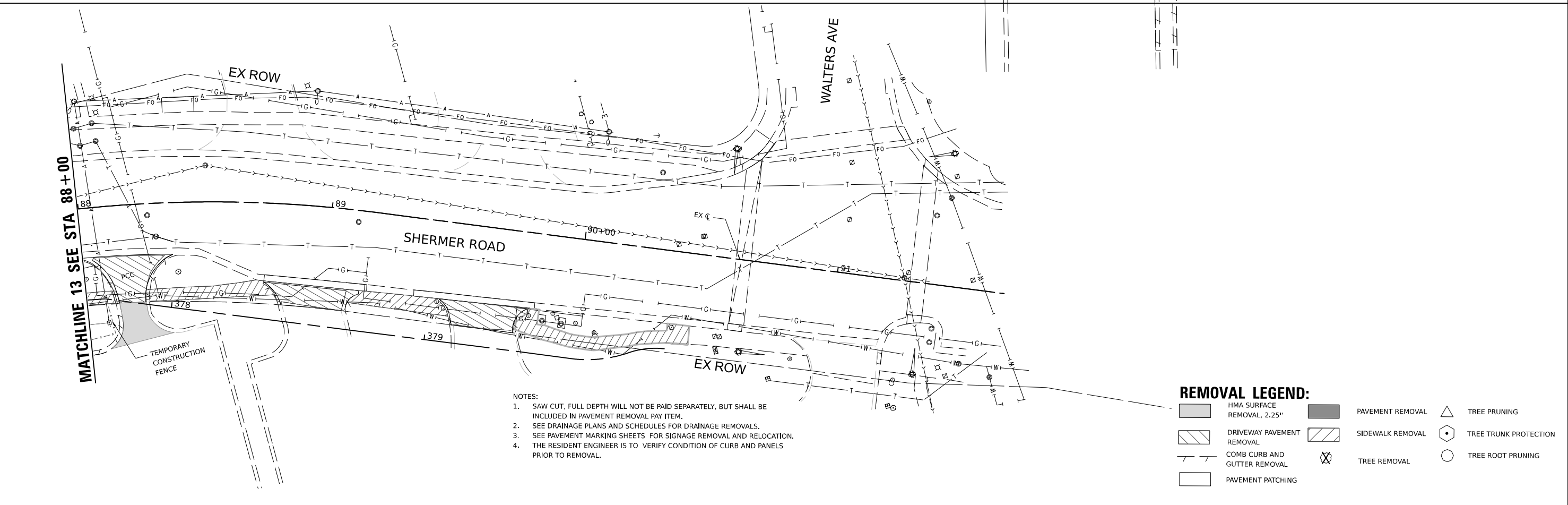


MATCHLINE 12 SEE STA 82+00

MATCHLINE 13 SEE STA 88+00



MATCHLINE 13 SEE STA 88+00



- NOTES:
1. SAW CUT, FULL DEPTH WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN PAVEMENT REMOVAL PAY ITEM.
  2. SEE DRAINAGE PLANS AND SCHEDULES FOR DRAINAGE REMOVALS.
  3. SEE PAVEMENT MARKING SHEETS FOR SIGNAGE REMOVAL AND RELOCATION.
  4. THE RESIDENT ENGINEER IS TO VERIFY CONDITION OF CURB AND PANELS PRIOR TO REMOVAL.

**REMOVAL LEGEND:**

	HMA SURFACE REMOVAL, 2.25"		PAVEMENT REMOVAL		TREE PRUNING
	DRIVEWAY PAVEMENT REMOVAL		SIDEWALK REMOVAL		TREE TRUNK PROTECTION
	COMB CURB AND GUTTER REMOVAL		TREE REMOVAL		TREE ROOT PRUNING
	PAVEMENT PATCHING				

MODEL: PCL - Rev 13.2  
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USER NAME	spaladugu
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PLOT DATE	= 8/7/2024

DESIGNED	- SP
DRAWN	- DR
CHECKED	- JK
DATE	- 08/07/2024

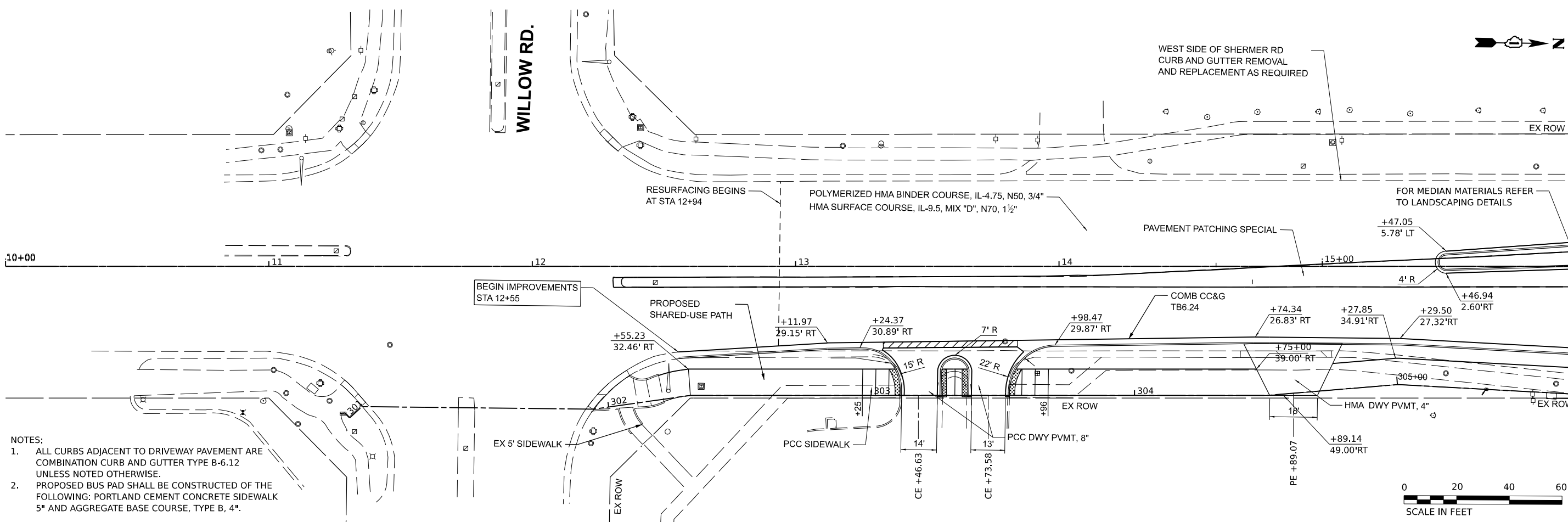
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

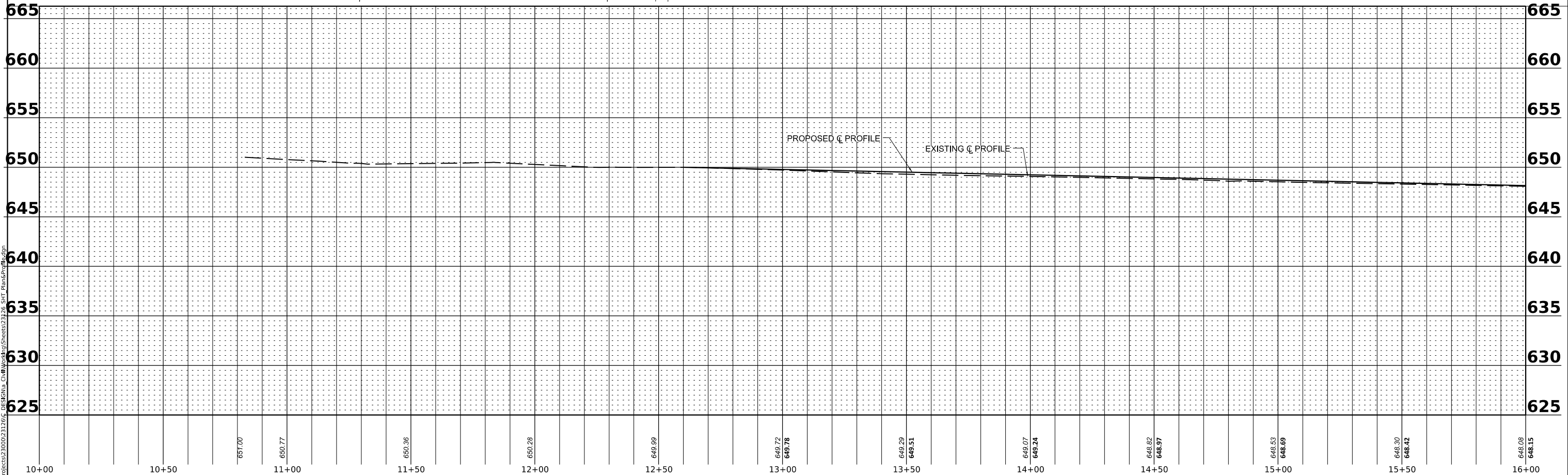
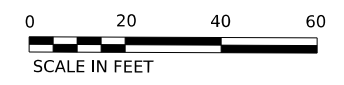
**REMOVAL PLANS**

SCALE: 1"=20'      SHEET 7 OF 7 SHEETS      STA. 82+00 TO STA. 90+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	27
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6.12 UNLESS NOTED OTHERWISE.
  2. PROPOSED BUS PAD SHALL BE CONSTRUCTED OF THE FOLLOWING: PORTLAND CEMENT CONCRETE SIDEWALK 5" AND AGGREGATE BASE COURSE, TYPE B, 4".



MODEL: PCL - Rtn 1  
 FILE NAME: P:\PROJECTS\2020\02\21\26\_C\_DESK\ENR\_C\11\Work\Sheet\Sheet23126\_SHT\_Plan\_Spec\_Rte.dgn

10+00	10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00	14+50	15+00	15+50	16+00
657.00	650.77	650.36	650.28	649.99	649.72	649.78	649.29	649.07	648.82	648.53	648.30	648.08
							649.51	649.24	648.97	648.69	648.42	648.15



USER NAME	spaladugu	DESIGNED	JRK	REVISED	-
DRAWN	JGC	REVISIONS			
PLOT SCALE	0.16666685 1/ in.	CHECKED	JRK	REVISED	-
PLOT DATE	7/25/2024	DATE	07/24/2024	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

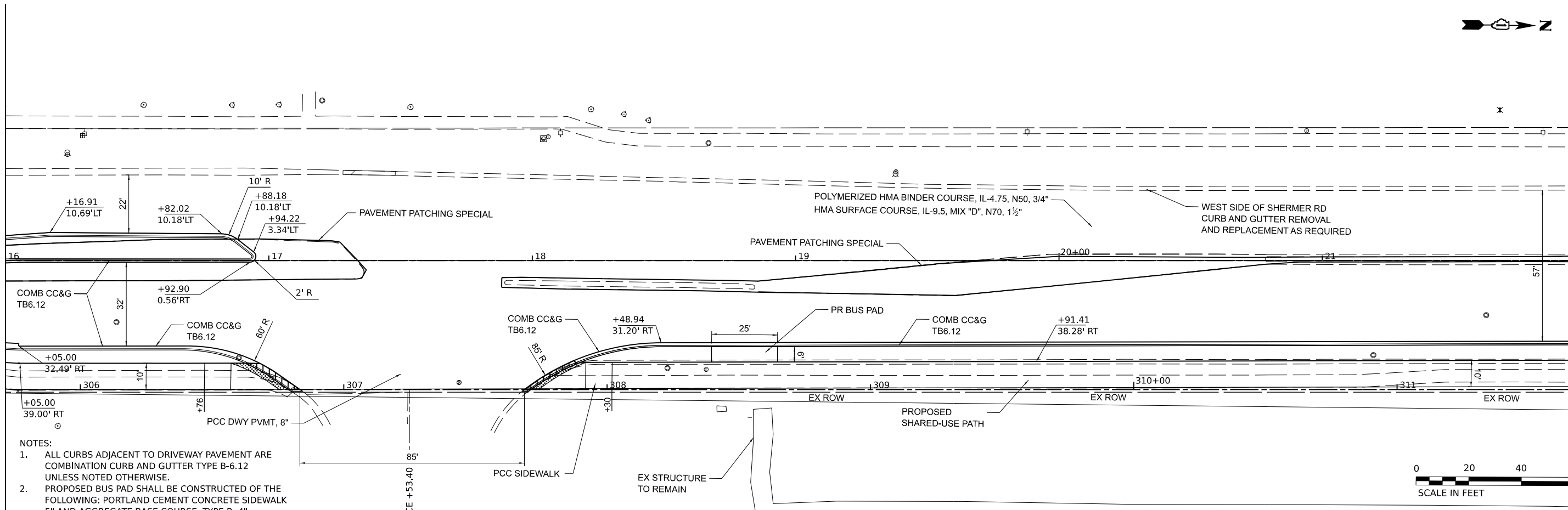
**PLAN AND PROFILE**  
 SCALE: 1"=20'    SHEET 1 OF 15 SHEETS    STA. 10+00 TO STA. 16+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	28
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

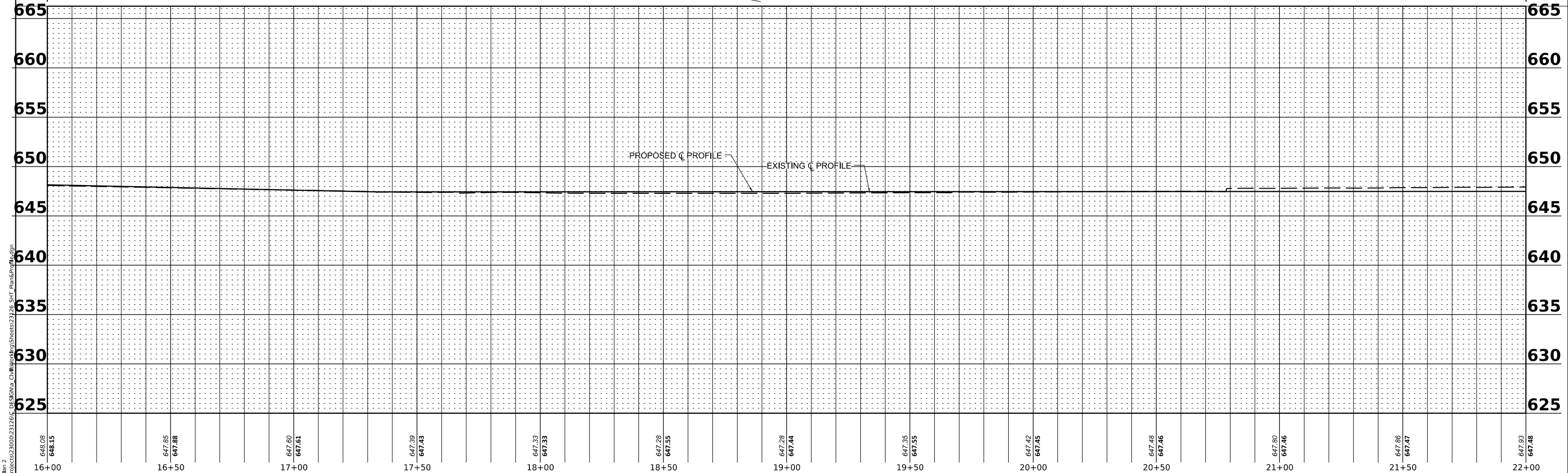


MATCHLINE 1 SEE STA 16+00

MATCHLINE 2 SEE STA 22+00



- NOTES:
1. ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6.12 UNLESS NOTED OTHERWISE.
  2. PROPOSED BUS PAD SHALL BE CONSTRUCTED OF THE FOLLOWING: PORTLAND CEMENT CONCRETE SIDEWALK 5" AND AGGREGATE BASE COURSE, TYPE B, 4".



648.08 648.15	647.85 647.88	647.60 647.61	647.39 647.43	647.33 647.33	647.28 647.55	647.28 647.44	647.35 647.55	647.42 647.45	647.48 647.46	647.80 647.46	647.86 647.47	647.93 647.48
16+00	16+50	17+00	17+50	18+00	18+50	19+00	19+50	20+00	20+50	21+00	21+50	22+00



USER NAME	spaladugu	DESIGNED	JRK	REVISED	-
DRAWN	JGC	REVISIONS	-	-	-
CHECKED	JRK	REVISIONS	-	-	-
DATE	07/24/2024	REVISIONS	-	-	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**

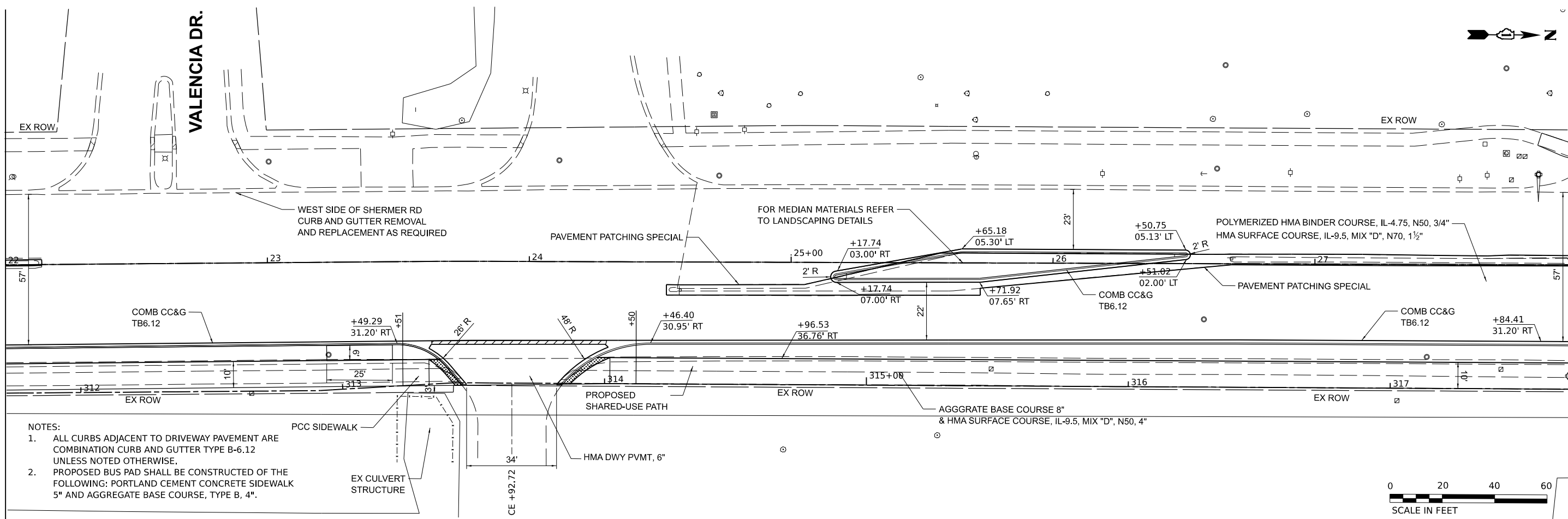
SCALE: 1"=20'    SHEET 2 OF 15 SHEETS    STA. 16+00 TO STA. 22+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	29
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

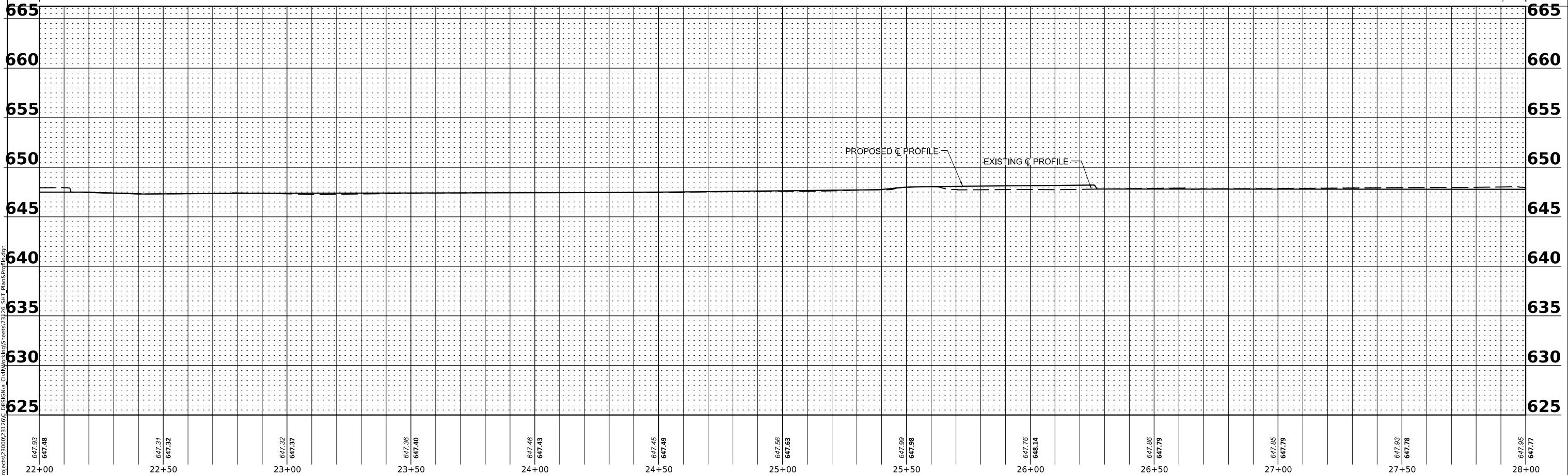
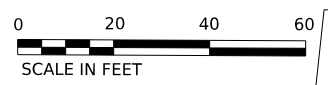
MATCHLINE 2 SEE STA 22+00

MATCHLINE 3 SEE STA 28+00

VALENCIA DR.



- NOTES:
1. ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6.12 UNLESS NOTED OTHERWISE.
  2. PROPOSED BUS PAD SHALL BE CONSTRUCTED OF THE FOLLOWING: PORTLAND CEMENT CONCRETE SIDEWALK 5" AND AGGREGATE BASE COURSE, TYPE B, 4".



647.93 647.48	647.31 647.32	647.32 647.37	647.36 647.40	647.46 647.43	647.45 647.49	647.56 647.63	647.99 647.98	647.76 648.14	647.86 647.79	647.85 647.79	647.93 647.78	647.95 647.77
22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50	26+00	26+50	27+00	27+50	28+00



USER NAME	spaladugu	DESIGNED	JRK	REVISED	-
DRAWN	JGC	REVISIONS	-	-	-
CHECKED	JRK	REVISIONS	-	-	-
DATE	07/24/2024	REVISIONS	-	-	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**

SCALE: 1"=20'    SHEET 3 OF 15 SHEETS    STA. 22+00 TO STA. 28+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	30
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

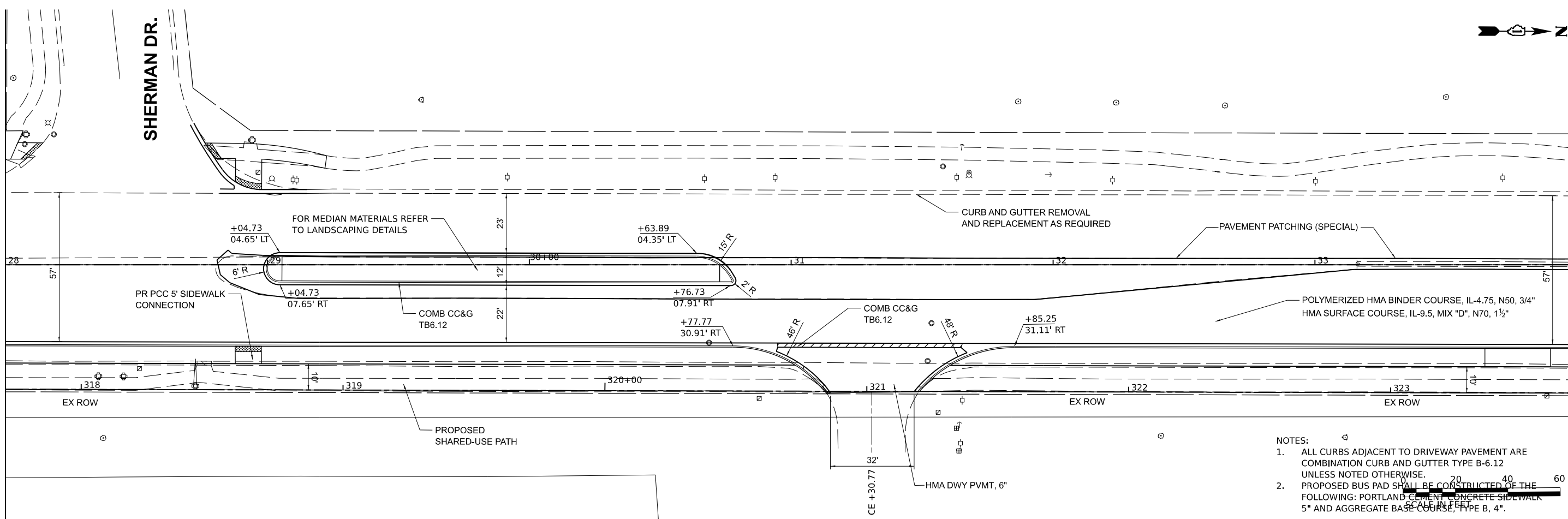
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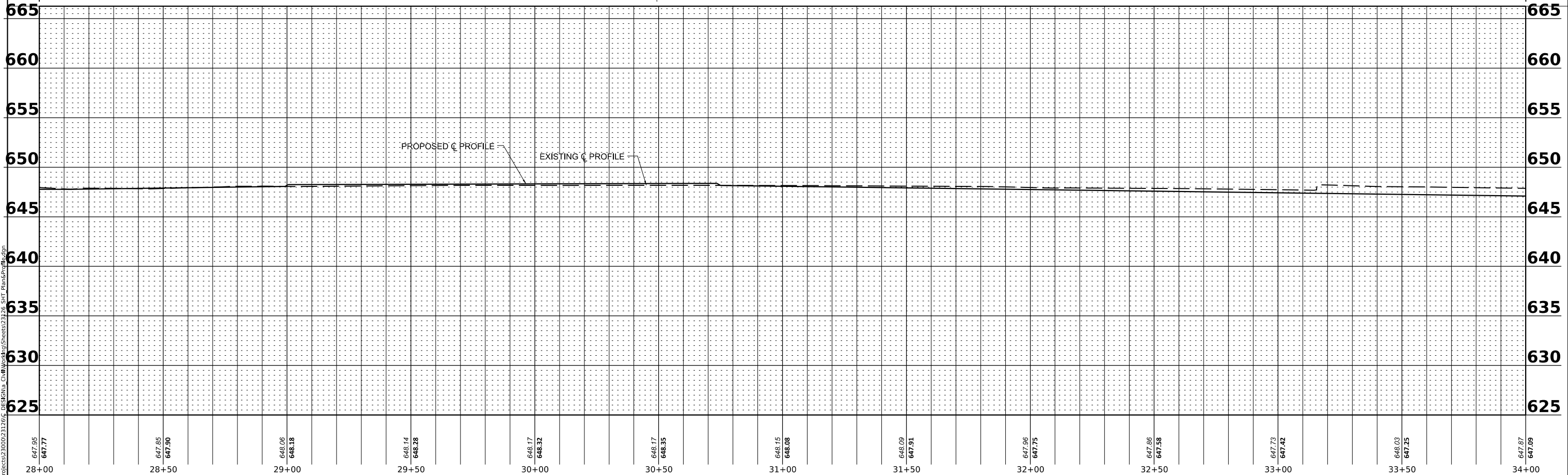
MATCHLINE 3 SEE STA 28+00

MATCHLINE 4 SEE STA 34+00

SHERMAN DR.



- NOTES:
- ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6.12 UNLESS NOTED OTHERWISE.
  - PROPOSED BUS PAD SHALL BE CONSTRUCTED OF THE FOLLOWING: PORTLAND CEMENT CONCRETE SIDEWALK 5" AND AGGREGATE BASE COURSE, TYPE B, 4".



647.95 647.77	647.85 647.90	646.06 648.18	648.14 648.28	648.17 648.32	648.17 648.35	648.15 648.08	648.09 647.91	647.96 647.75	647.86 647.58	647.73 647.42	648.03 647.25	647.87 647.09
28+00	28+50	29+00	29+50	30+00	30+50	31+00	31+50	32+00	32+50	33+00	33+50	34+00



USER NAME	spaladugu	DESIGNED	JRK	REVISED	-
DRAWN	JGC	REVISIONS			
CHECKED	JRK	REVISIONS			
DATE	07/24/2024	REVISIONS			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**

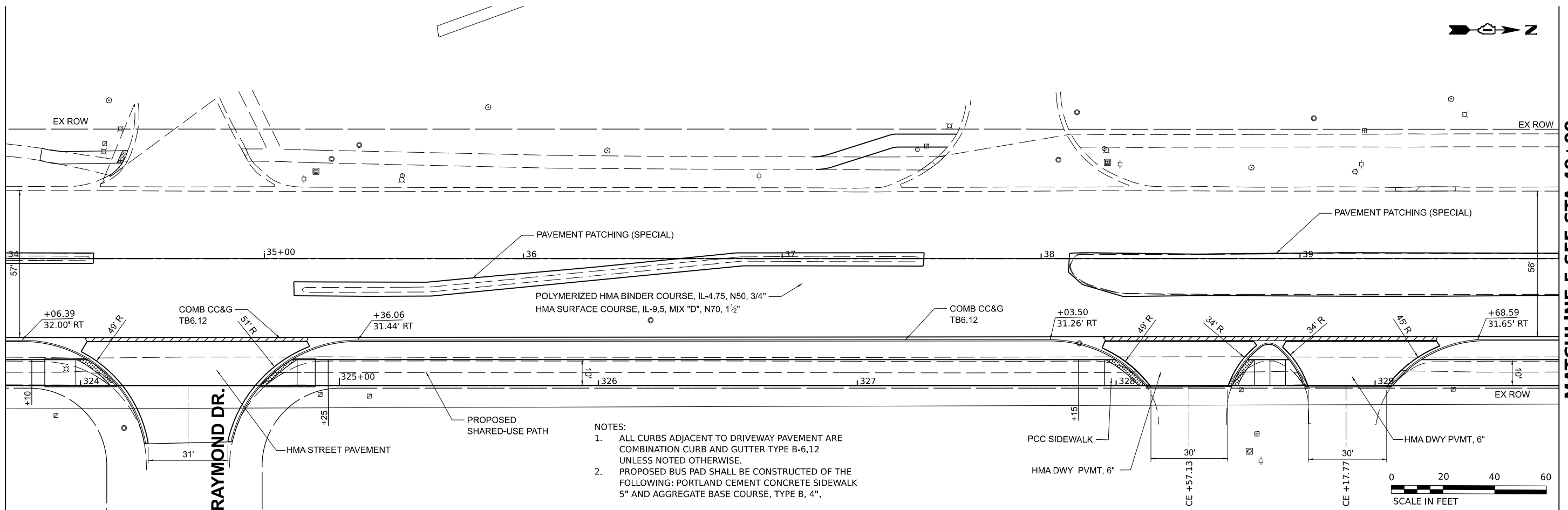
SCALE: 1"=20'    SHEET 4 OF 15 SHEETS    STA. 28+00 TO STA. 34+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	31
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

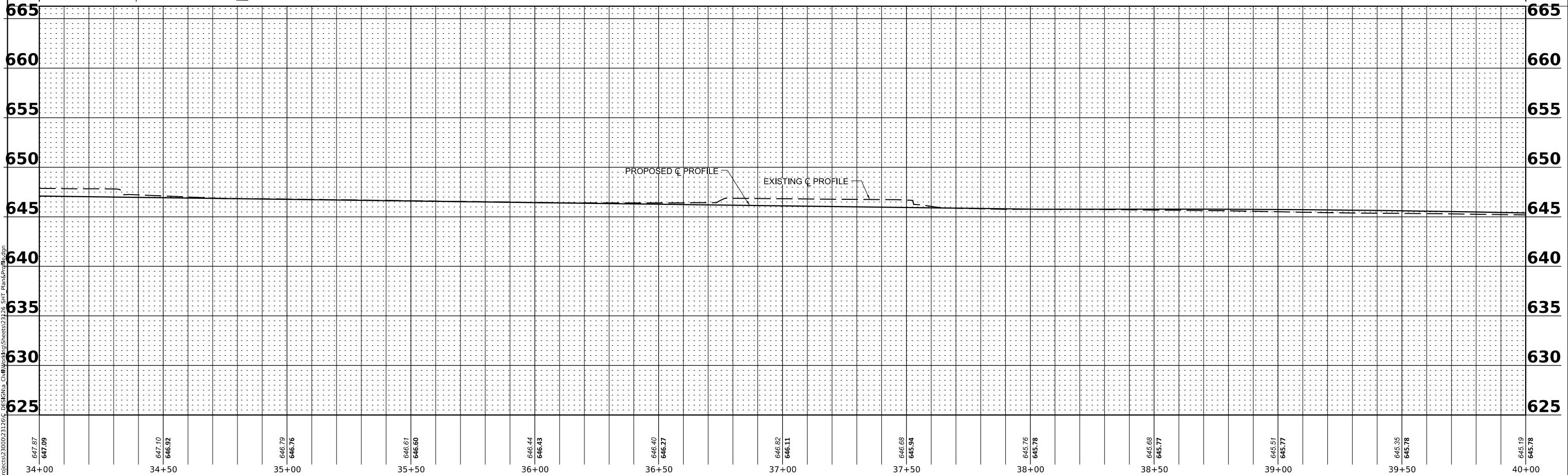
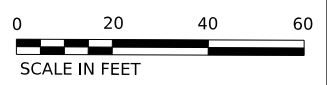
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MATCHLINE 4 SEE STA 34+00

MATCHLINE 5 SEE STA 40+00



- NOTES:
1. ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6,12 UNLESS NOTED OTHERWISE.
  2. PROPOSED BUS PAD SHALL BE CONSTRUCTED OF THE FOLLOWING: PORTLAND CEMENT CONCRETE SIDEWALK 5" AND AGGREGATE BASE COURSE, TYPE B, 4".



647.87 647.09	647.10 646.92	646.79 646.76	646.61 646.60	646.44 646.43	646.40 646.27	646.82 646.11	646.68 645.94	645.76 645.78	645.68 645.77	645.51 645.77	645.35 645.78	645.19 645.78
34+00	34+50	35+00	35+50	36+00	36+50	37+00	37+50	38+00	38+50	39+00	39+50	40+00



USER NAME	spaladugu	DESIGNED	JRK	REVISED	-
DRAWN	JGC	REVISIONS	-	DATE	-
CHECKED	JRK	DATE	07/24/2024	REVISIONS	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**

SCALE: 1"=20'    SHEET 5    OF 15 SHEETS    STA. 34+00    TO STA. 40+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	32
CONTRACT NO. 61K70				

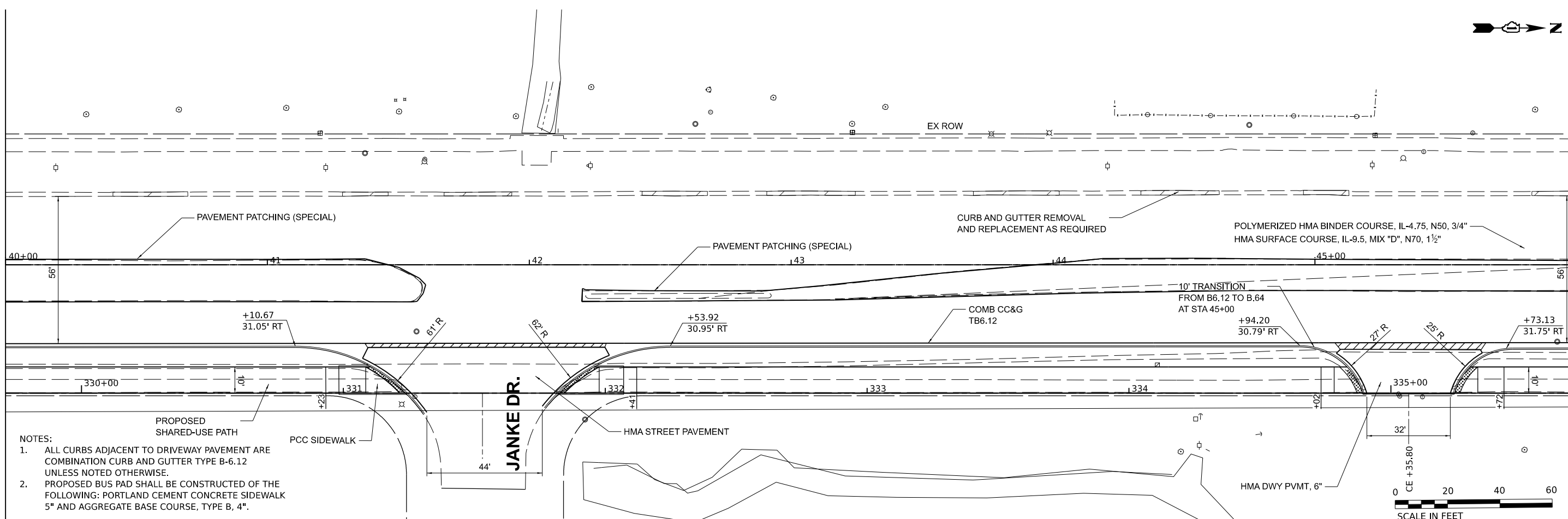
ILLINOIS FED. AID PROJECT

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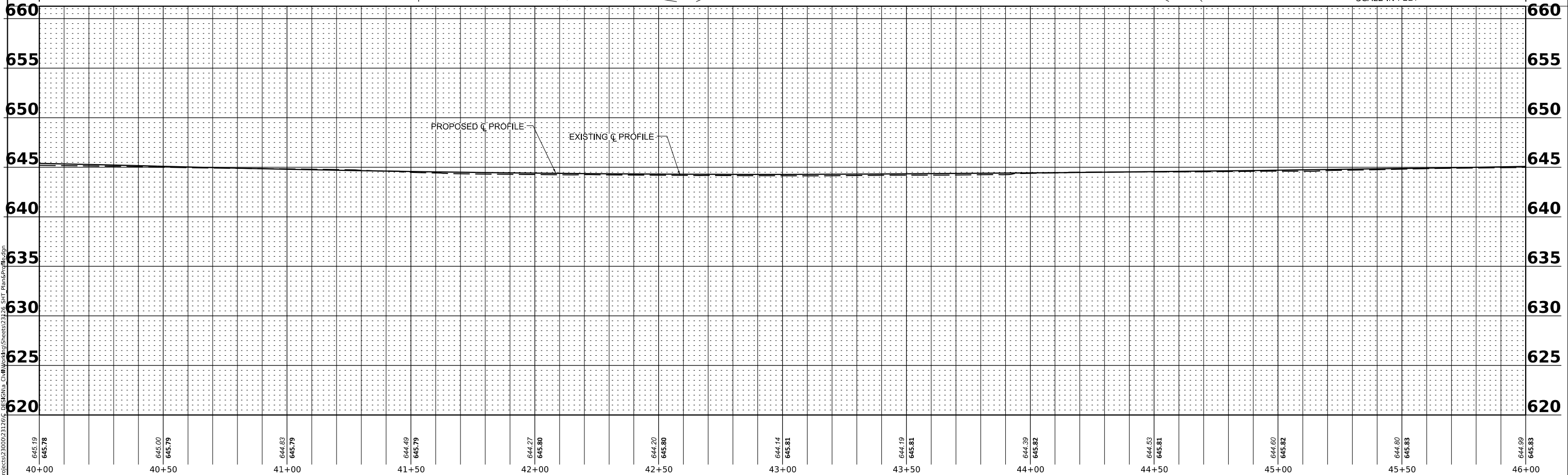
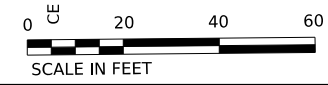


MATCHLINE 5 SEE STA 40+00

MATCHLINE 6 SEE STA 46+00



- NOTES:
1. ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6.12 UNLESS NOTED OTHERWISE.
  2. PROPOSED BUS PAD SHALL BE CONSTRUCTED OF THE FOLLOWING: PORTLAND CEMENT CONCRETE SIDEWALK 5" AND AGGREGATE BASE COURSE, TYPE B, 4".



MODEL: P:\C... Rtn 6  
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645.19 645.78	645.00 645.79	644.83 645.79	644.49 645.79	644.27 645.80	644.20 645.80	644.14 645.81	644.19 645.81	644.39 645.82	644.53 645.81	644.60 645.82	644.80 645.83	644.99 645.83
40+00	40+50	41+00	41+50	42+00	42+50	43+00	43+50	44+00	44+50	45+00	45+50	46+00



USER NAME	spaladugu	DESIGNED	JRK	REVISED	-
DRAWN	JGC	REVISIONS			
PLOT SCALE	0.16666685 1/1 in.	CHECKED	JRK	REVISIONS	
PLOT DATE	7/25/2024	DATE	07/24/2024	REVISIONS	

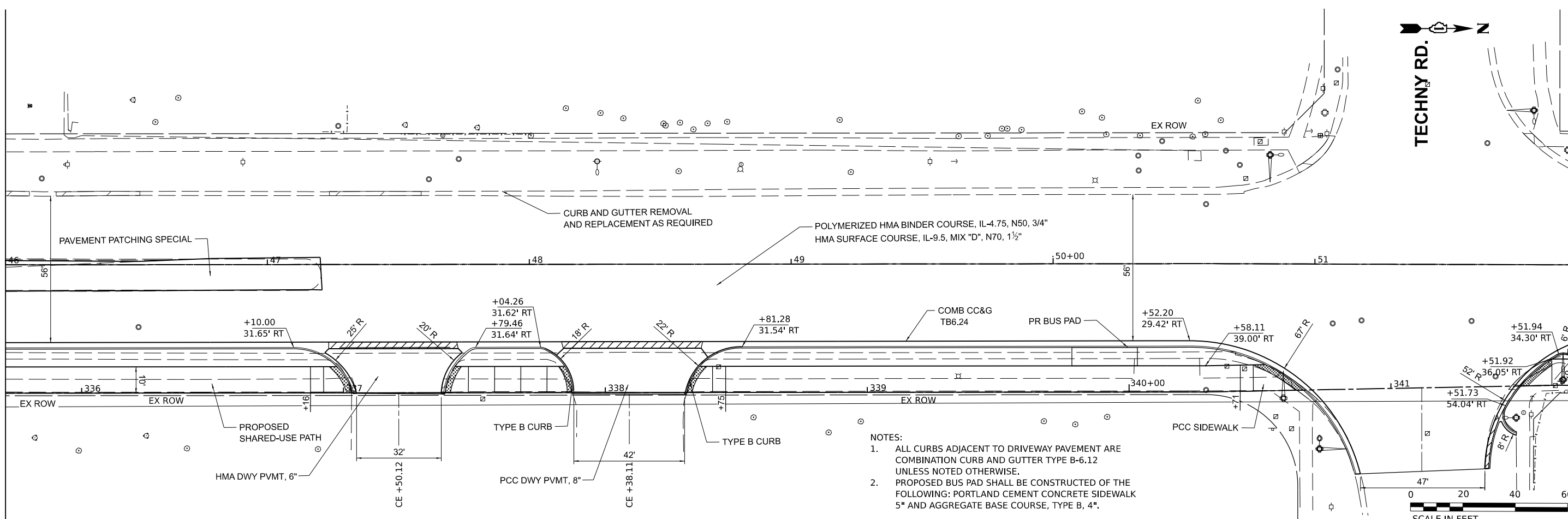
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**  
 SCALE: 1"=20'    SHEET 6    OF 15 SHEETS    STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

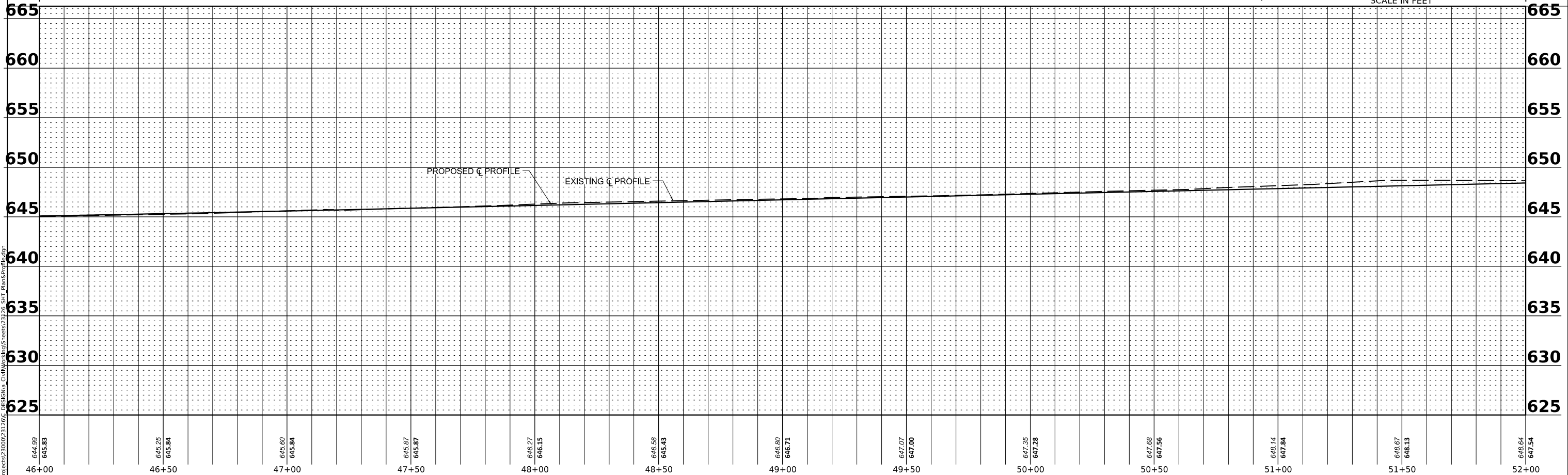
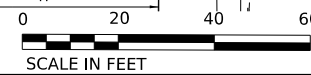
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-1183-00-BT	COOK	182	33
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

MATCHLINE 6 SEE STA 46+00

MATCHLINE 7 SEE STA 52+00



- NOTES:
1. ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6.12 UNLESS NOTED OTHERWISE.
  2. PROPOSED BUS PAD SHALL BE CONSTRUCTED OF THE FOLLOWING: PORTLAND CEMENT CONCRETE SIDEWALK 5" AND AGGREGATE BASE COURSE, TYPE B, 4".



644.99 645.83	645.25 645.84	645.60 645.84	645.87 645.87	646.27 646.15	646.58 645.43	646.80 646.71	647.07 647.00	647.35 647.28	647.68 647.56	648.14 647.84	648.67 648.13	648.64 647.54
46+00	46+50	47+00	47+50	48+00	48+50	49+00	49+50	50+00	50+50	51+00	51+50	52+00



USER NAME	spaladugu	DESIGNED	JRK	REVISED	-
DRAWN	JGC	REVISED	-	DATE	07/24/2024
CHECKED	JRK	REVISED	-	DATE	07/24/2024
REVISIONS		REVISED	-	DATE	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**

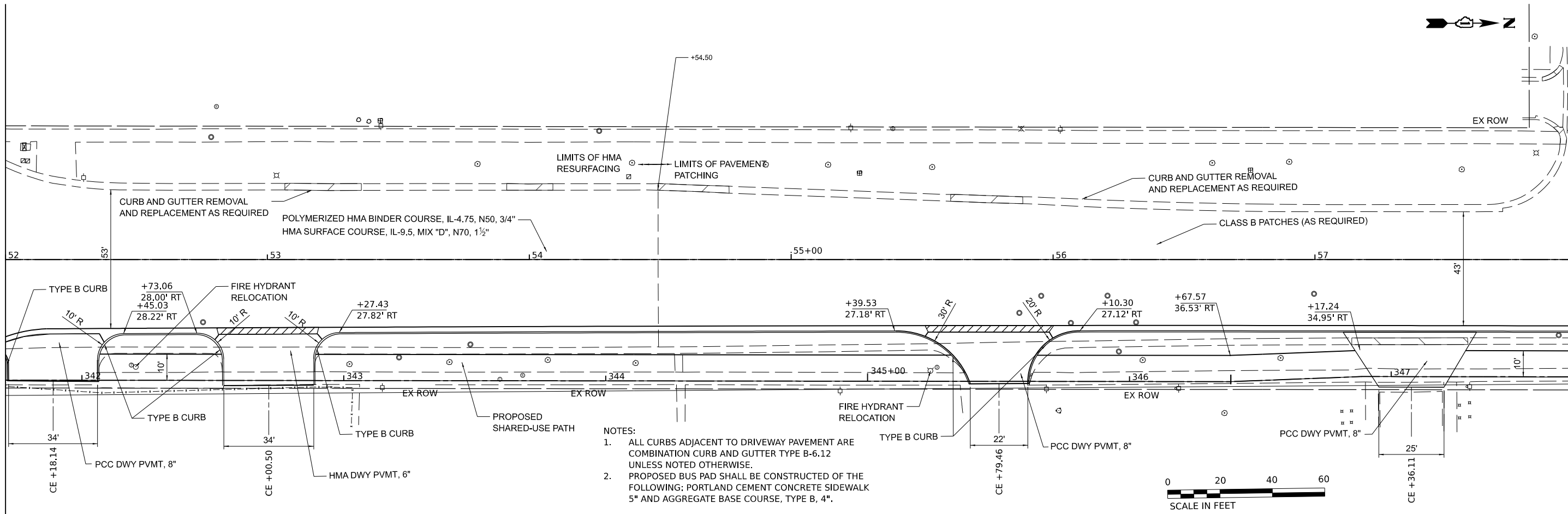
SCALE: 1"=20'      SHEET 7 OF 15 SHEETS      STA. 46+00 TO STA. 52+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	34
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

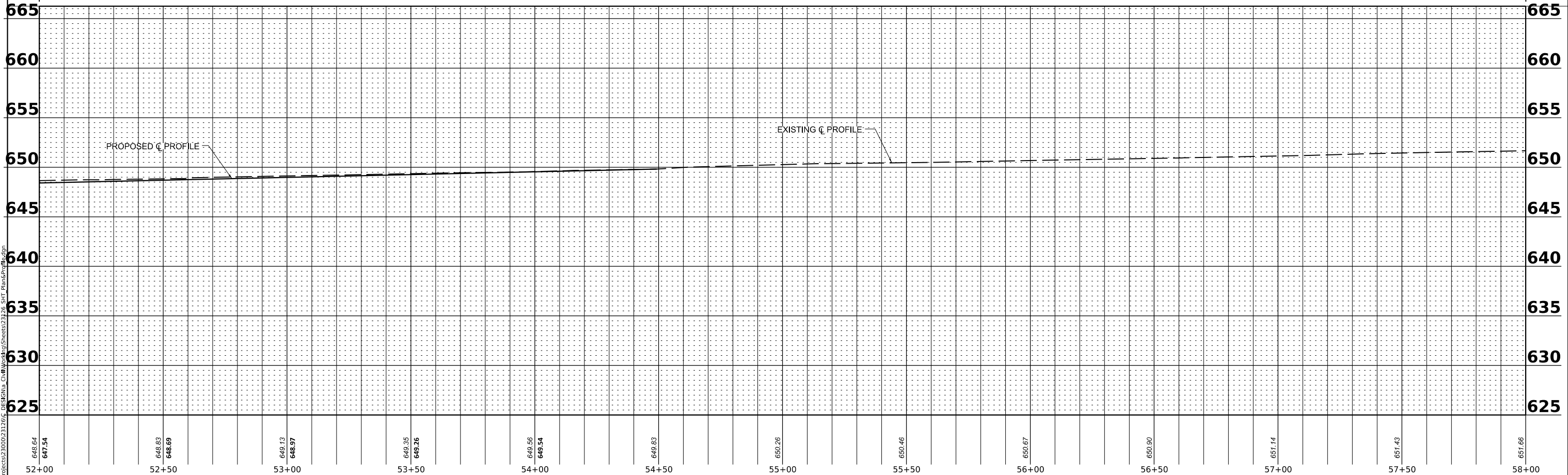
MODEL: P:\C...Rin 7  
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MATCHLINE 7 SEE STA 52+00

MATCHLINE 8 SEE STA 58+00



- NOTES:
1. ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6.12 UNLESS NOTED OTHERWISE.
  2. PROPOSED BUS PAD SHALL BE CONSTRUCTED OF THE FOLLOWING: PORTLAND CEMENT CONCRETE SIDEWALK 5" AND AGGREGATE BASE COURSE, TYPE B, 4".



648.64 647.54	648.83 648.69	649.13 648.97	649.35 649.26	649.56 649.54	649.83	650.26	650.46	650.67	650.90	651.14	651.43	651.66
52+00	52+50	53+00	53+50	54+00	54+50	55+00	55+50	56+00	56+50	57+00	57+50	58+00

MODEL: P:\C... Rtn 8  
FILE NAME: P:\PROJECTS\2020\2126\DESIGN\CLM\Workshop\Sheet2126\_SHT\_Plan\_SpRt.dgn

USER NAME	spaladugu	DESIGNED	JRK	REVISED	-
DRAWN	JGC	REVISIONS			
PLOT SCALE	0.16666685 1/ in.	CHECKED	JRK	REVISED	-
PLOT DATE	7/25/2024	DATE	07/24/2024	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

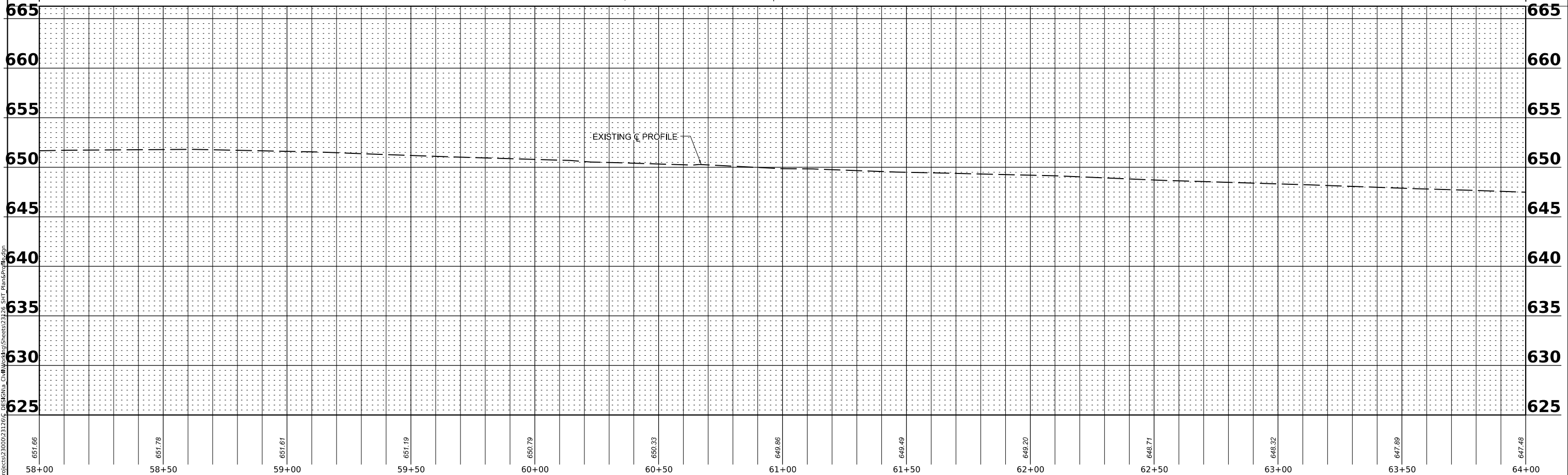
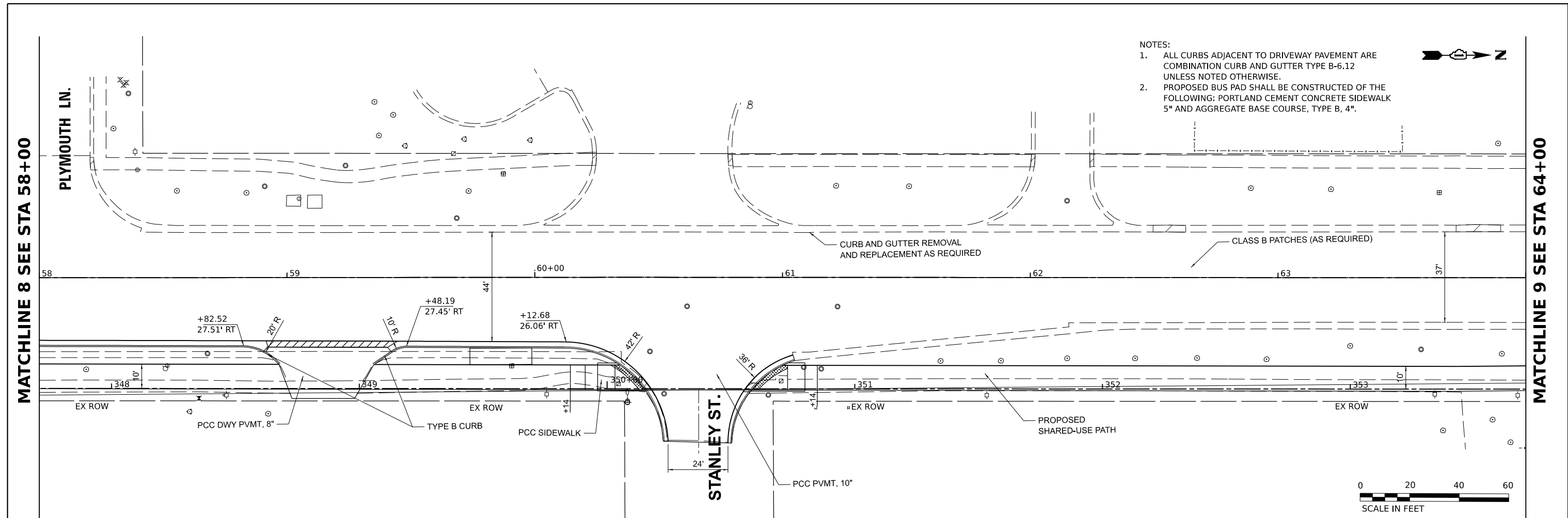
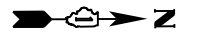
**PLAN AND PROFILE**

SCALE: 1"=20'    SHEET 8    OF 15 SHEETS    STA. 52+00    TO STA. 58+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	35
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6.12 UNLESS NOTED OTHERWISE.
2. PROPOSED BUS PAD SHALL BE CONSTRUCTED OF THE FOLLOWING: PORTLAND CEMENT CONCRETE SIDEWALK 5" AND AGGREGATE BASE COURSE, TYPE B, 4".



58+00	58+50	59+00	59+50	60+00	60+50	61+00	61+50	62+00	62+50	63+00	63+50	64+00
657.66	657.78	657.67	657.19	650.79	650.33	649.86	649.49	649.20	648.71	648.32	647.89	647.48

MODEL: P:\C... Rtn 0  
FILE NAME: P:\PROJECTS\2020\2126\DESIGN\DWG\Sheet2126\_SHT\_Plan\_Spec.dgn



USER NAME	spaladugu	DESIGNED	JRK	REVISED	-
DRAWN	JGC	CHECKED	JRK	REVISED	-
DATE	07/24/2024	REVISIONS			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**  
SCALE: 1"=20' SHEET 9 OF 15 SHEETS STA. 58+00 TO STA. 64+00

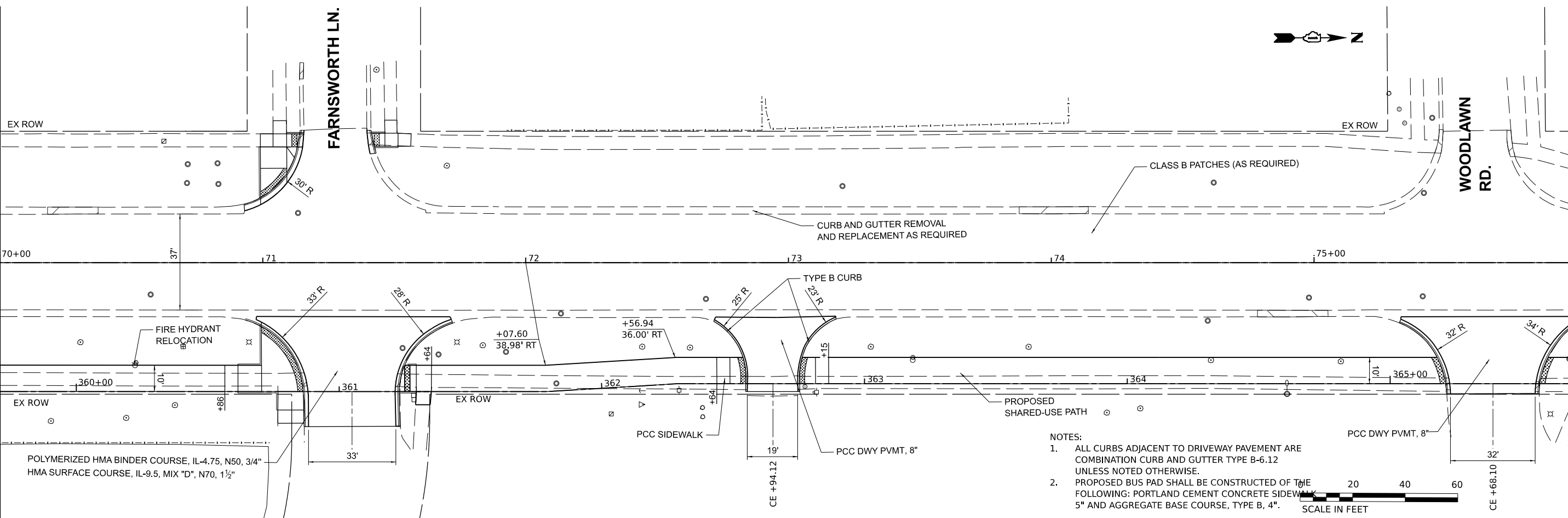
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	36
CONTRACT NO. 61K70				

ILLINOIS FED. AID PROJECT

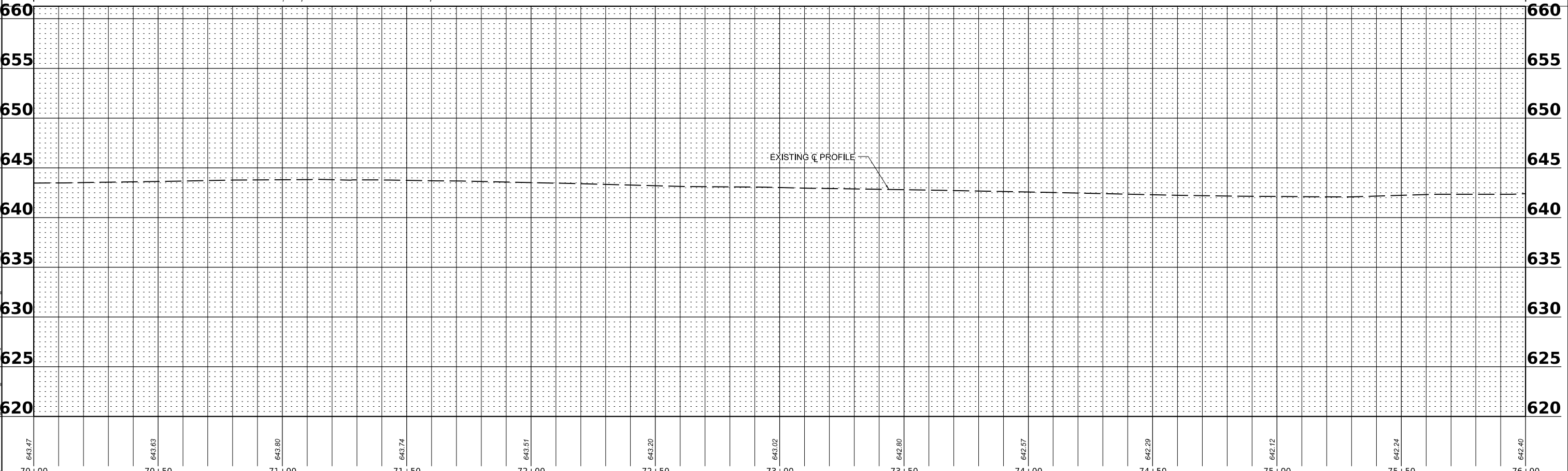
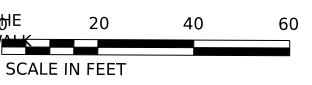


MATCHLINE 10 SEE STA 70+00

MATCHLINE 11 SEE STA 76+00



- NOTES:
1. ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6.12 UNLESS NOTED OTHERWISE.
  2. PROPOSED BUS PAD SHALL BE CONSTRUCTED OF THE FOLLOWING: PORTLAND CEMENT CONCRETE SIDEWALK 5" AND AGGREGATE BASE COURSE, TYPE B, 4".



70+00	70+50	71+00	71+50	72+00	72+50	73+00	73+50	74+00	74+50	75+00	75+50	76+00
642.47	643.63	643.80	643.74	643.51	643.20	643.02	642.80	642.57	642.29	642.12	642.24	642.40

MODEL: PCL - Rtn 11  
FILE NAME: P:\PROJECTS\2020\02\2126\DESIGN\CD\WV\Sheet\Sheet2126\_SHT\_Plan\_Spec\_Rte.dgn



USER NAME	spaladugu	DESIGNED	JRK	REVISED	-
DRAWN	JGC	REVISIONS			
PLOT SCALE	0.16666685 1/ in.	CHECKED	JRK	REVISED	-
PLOT DATE	7/25/2024	DATE	07/24/2024	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

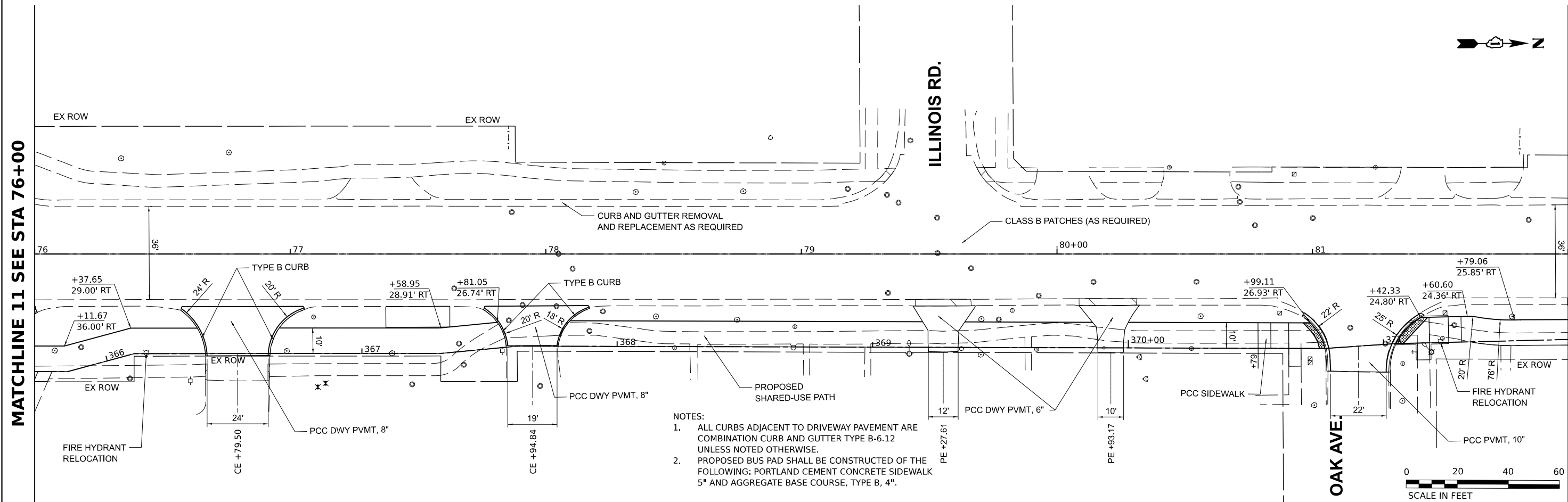
**PLAN AND PROFILE**  
SCALE: 1"=20' SHEET 11 OF 15 SHEETS STA. 70+00 TO STA. 76+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	38
CONTRACT NO. 61K70				

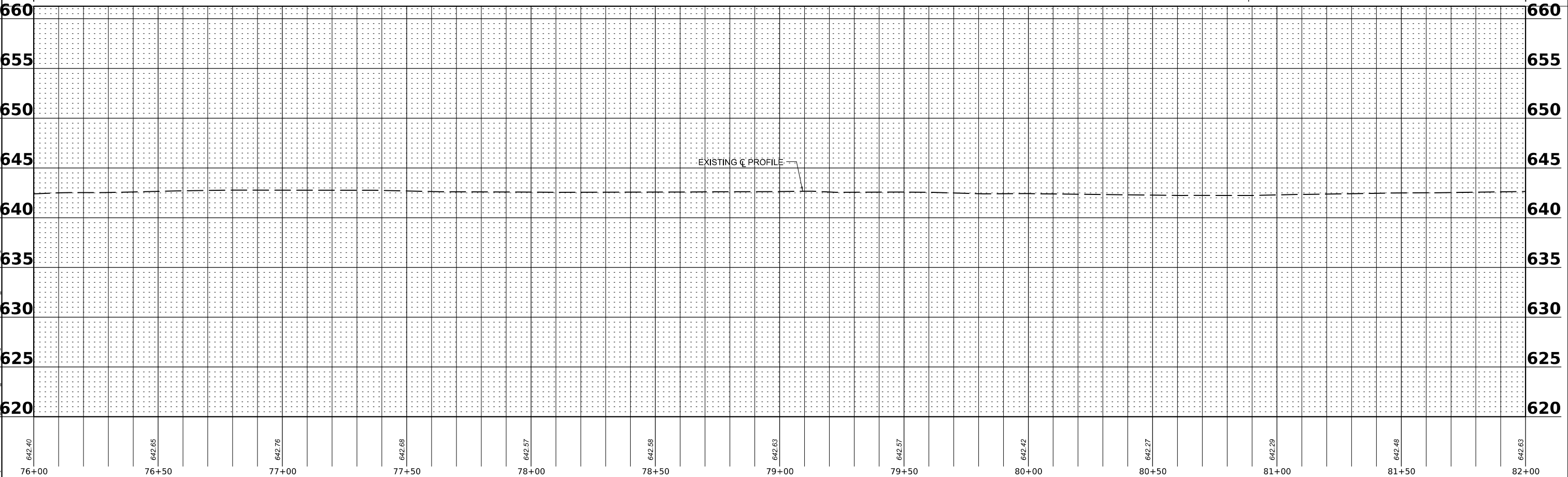
ILLINOIS FED. AID PROJECT

MATCHLINE 11 SEE STA 76+00

MATCHLINE 12 SEE STA 82+00



- NOTES:
1. ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6.12 UNLESS NOTED OTHERWISE.
  2. PROPOSED BUS PAD SHALL BE CONSTRUCTED OF THE FOLLOWING: PORTLAND CEMENT CONCRETE SIDEWALK 5" AND AGGREGATE BASE COURSE, TYPE B, 4".



MODEL: P:\C...Rin 12  
 FILE NAME: P:\PROJECTS\2020\02\21\26\_C\_DESIGNING\_CURB\WorkSheet\Sheet23126\_SHT\_Plan\_Spec\Plan.dgn

76+00	76+50	77+00	77+50	78+00	78+50	79+00	79+50	80+00	80+50	81+00	81+50	82+00
642.40	642.65	642.76	642.68	642.57	642.58	642.63	642.57	642.42	642.27	642.29	642.48	642.63

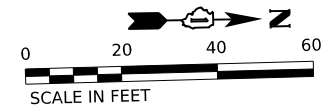


USER NAME	spaladugu	DESIGNED	JRK	REVISED	-
DRAWN	JGC	REVISION	-	REVISION	-
PLOT SCALE	0.16666685 1/ in.	CHECKED	JRK	REVISION	-
PLOT DATE	7/25/2024	DATE	07/24/2024	REVISION	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

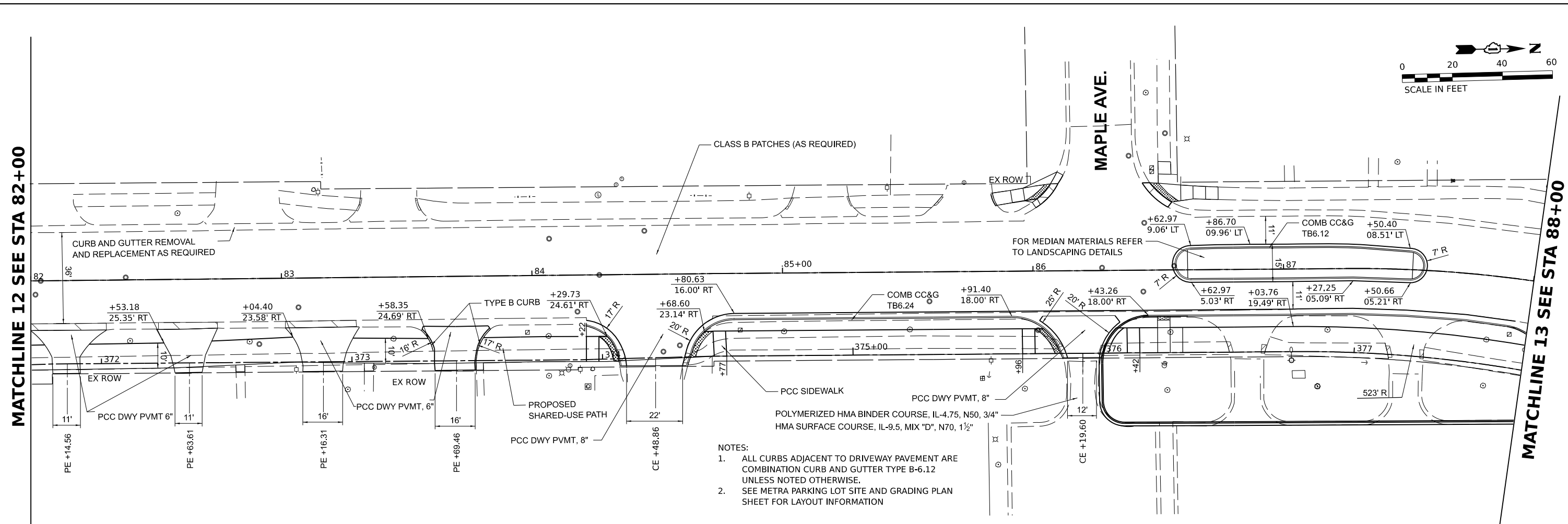
**PLAN AND PROFILE**  
 SCALE: 1"=20'    SHEET 12 OF 15 SHEETS    STA. 76+00 TO STA. 82+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	39
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

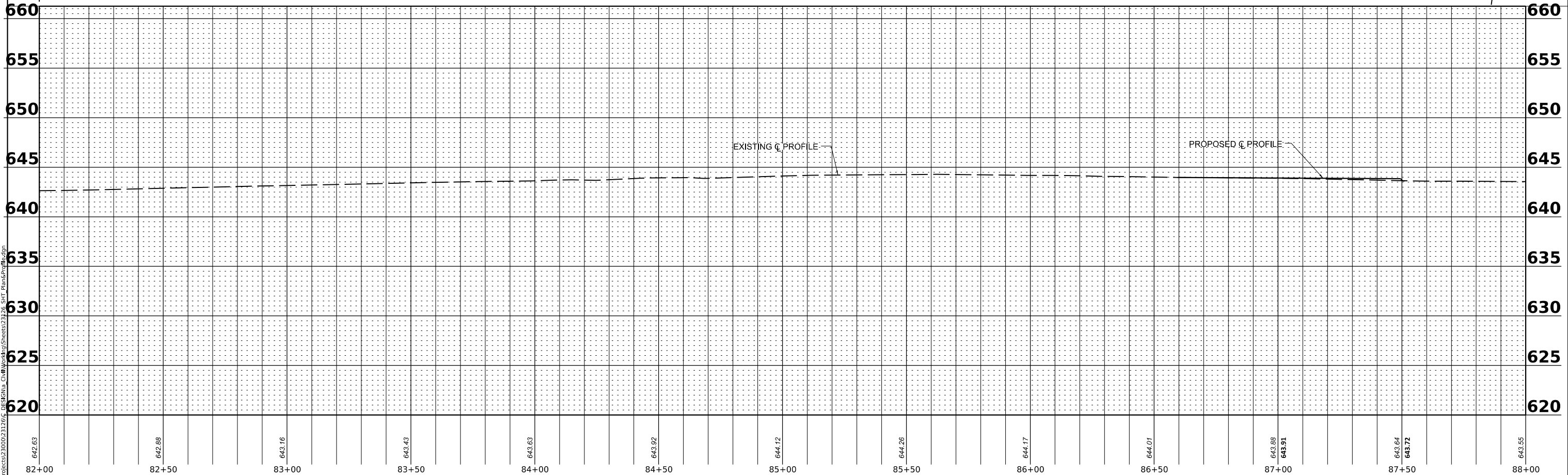


MATCHLINE 12 SEE STA 82+00

MATCHLINE 13 SEE STA 88+00



- NOTES:
1. ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6.12 UNLESS NOTED OTHERWISE.
  2. SEE METRA PARKING LOT SITE AND GRADING PLAN SHEET FOR LAYOUT INFORMATION



MODEL: P:\C...Rin 13  
FILE NAME: P:\PROJECTS\2020\02\21\26\_C\_DESK\ENR\_C\DWG\Sheet\Sheet2126\_SHT\_Plan\_Spec\Plan.dgn

82+00	82+50	83+00	83+50	84+00	84+50	85+00	85+50	86+00	86+50	87+00	87+50	88+00
642.63	642.88	642.16	643.43	643.63	643.92	644.12	644.26	644.17	644.01	643.88	643.91	643.55



USER NAME - spaadugu	DESIGNED - JRK	REVISED -
DRAWN - JGC	REVISIONS -	
PLOT SCALE - 0.16666685 1/ in.	CHECKED - JRK	REVISED -
PLOT DATE - 7/25/2024	DATE - 07/24/2024	REVISED -

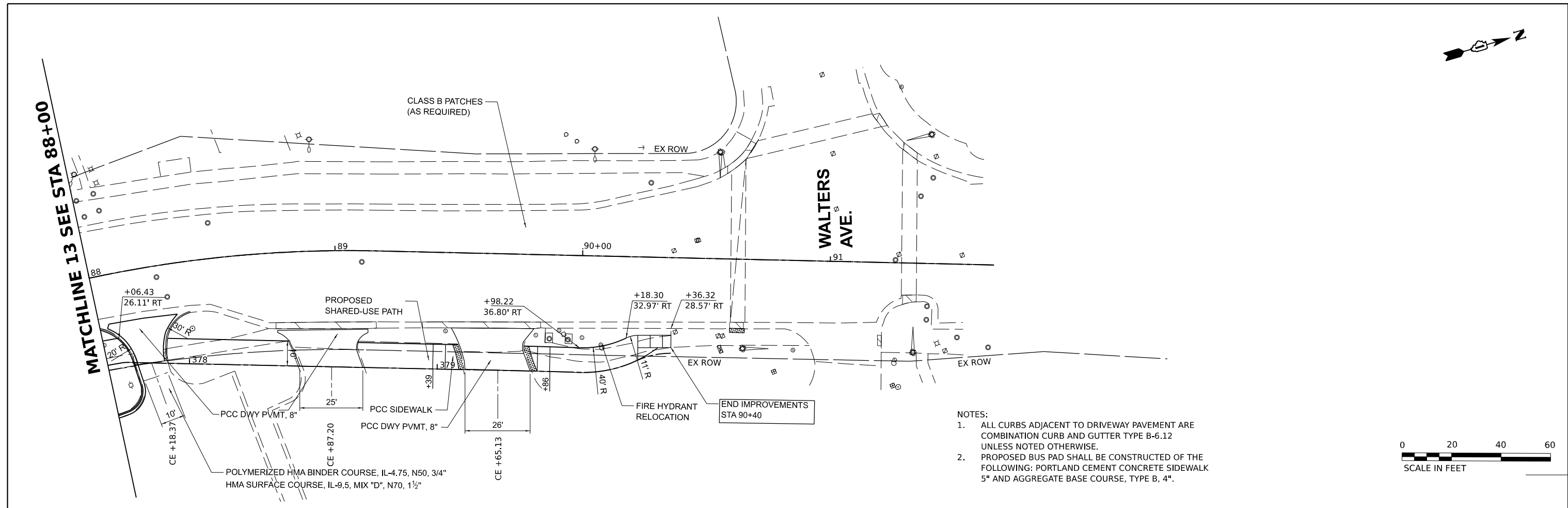
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**

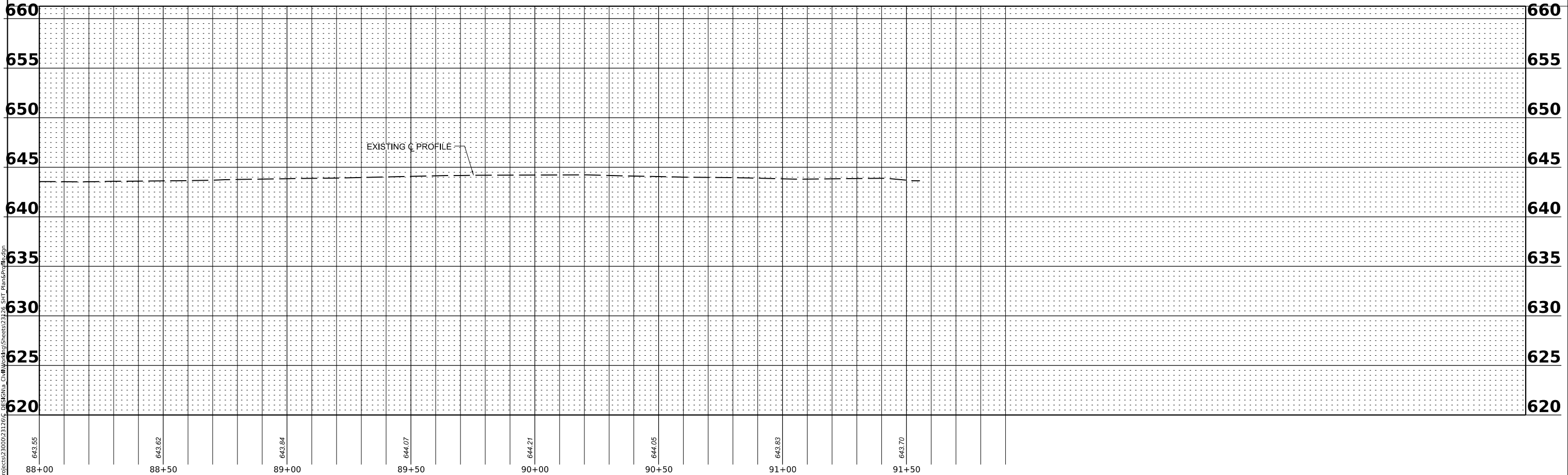
SCALE: 1"=20'    SHEET 13 OF 15 SHEETS    STA. 82+00 TO STA. 88+00

F.A.U. RTE. 2760	SECTION 22-00183-00-BT	COUNTY COOK	TOTAL SHEETS 182	SHEET NO. 40
CONTRACT NO. 61K70			ILLINOIS FED. AID PROJECT	



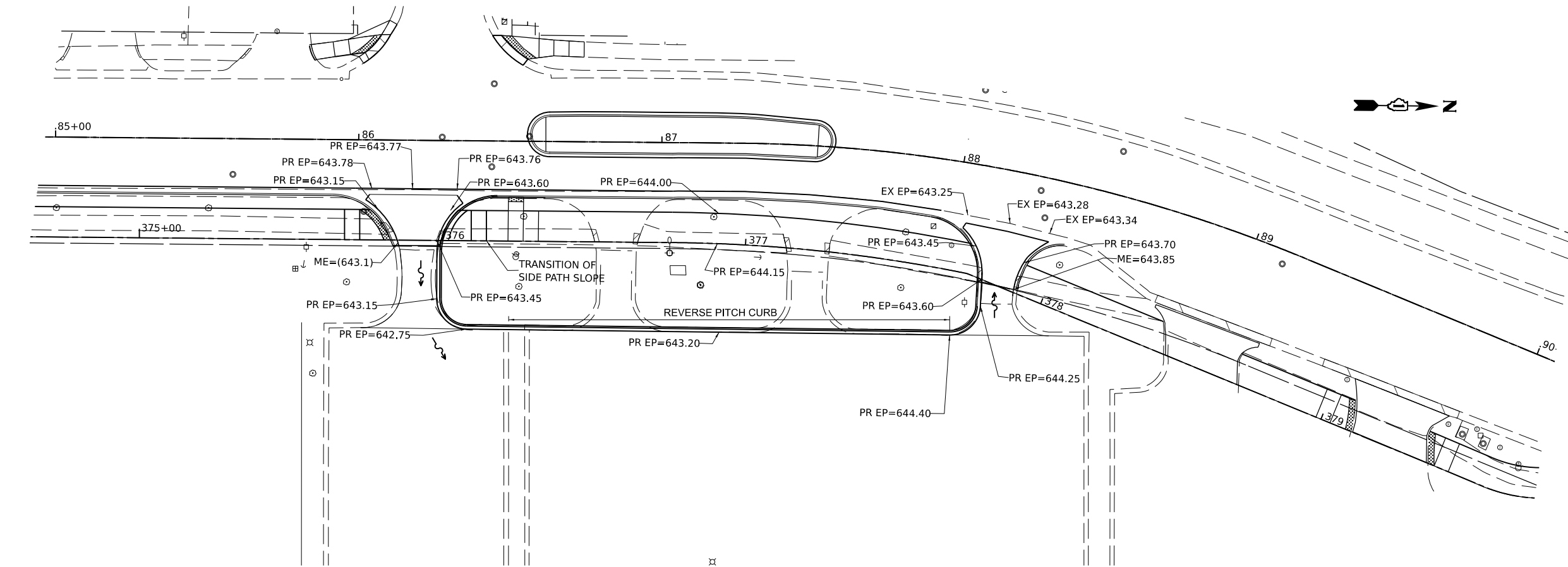
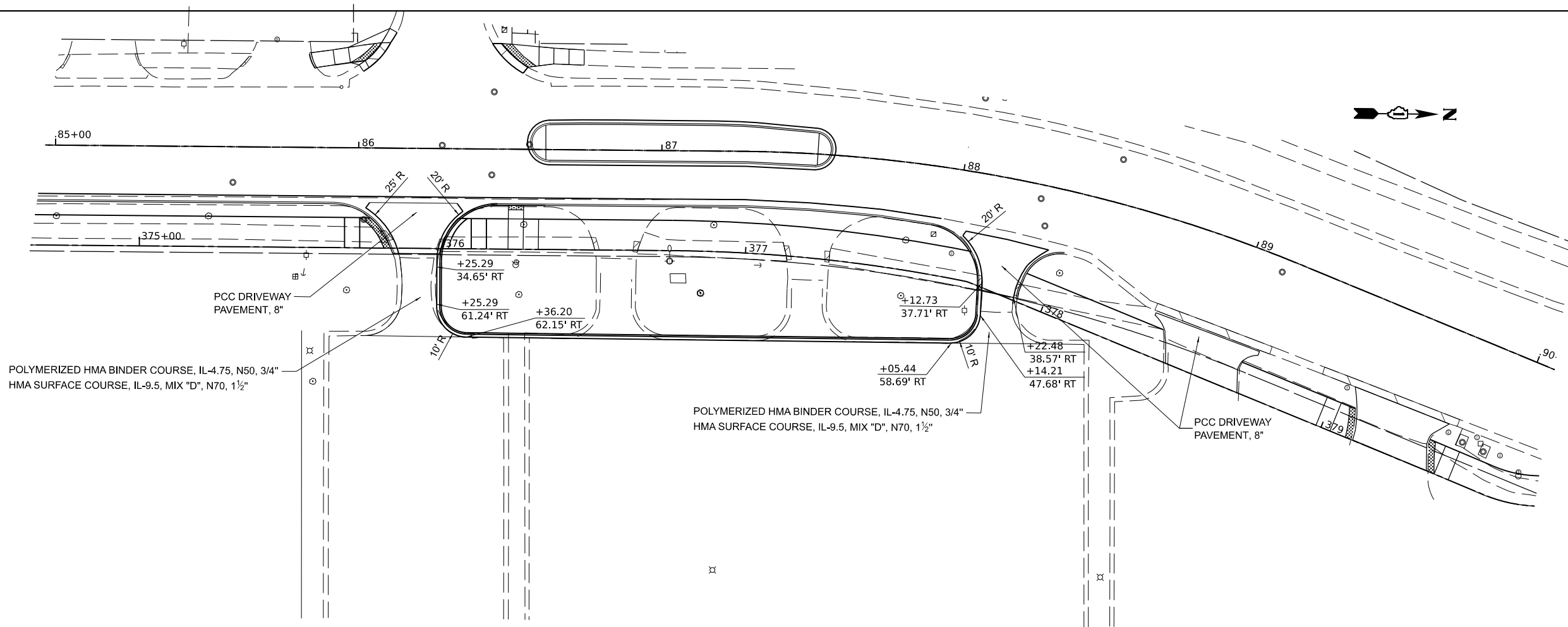


- NOTES:
1. ALL CURBS ADJACENT TO DRIVEWAY PAVEMENT ARE COMBINATION CURB AND GUTTER TYPE B-6.12 UNLESS NOTED OTHERWISE.
  2. PROPOSED BUS PAD SHALL BE CONSTRUCTED OF THE FOLLOWING: PORTLAND CEMENT CONCRETE SIDEWALK 5" AND AGGREGATE BASE COURSE, TYPE B, 4".



MODEL: P:\C...\_Rin\_14  
 FILE NAME: P:\PROJECTS\2020\02\21\26\_C...\_Sheet23126\_SHT\_Plan\_Spec.dgn

<b>EPSTEIN</b> <small>ENGINEERS ARCHITECTS</small>	USER NAME = spaladugu PLOT SCALE = 0.16666685"/in. PLOT DATE = 7/25/2024	DESIGNED - JRK DRAWN - JGC CHECKED - JRK DATE - 07/24/2024	REVISED - _____ REVISED - _____ REVISED - _____ REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE</b> SCALE: 1"=20'    SHEET 14 OF 15 SHEETS    STA. 88+00 TO STA. 91+66	F.A.U. RTE. 2760 SECTION 22-00183-00-BT COUNTY COOK TOTAL SHEETS 182 SHEET NO. 41 CONTRACT NO. 61K70 <small>ILLINOIS FED. AID PROJECT</small>
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MODEL: Plans Parking Lot (Sheet)  
 FILE NAME: P:\03\22-00183-00\22-00183-00-DESIGN\DWG\Working\Sheet22-00183-00-SHT\_PlanSParking.dgn



USER NAME = spaladugu  
 PLOT SCALE = 0.16666685 1/ in.  
 PLOT DATE = 7/25/2024

DESIGNED - JRK  
 DRAWN - JGC  
 CHECKED - JRK  
 DATE - 07/24/2024

REVISED - \_\_\_\_\_  
 REVISED - \_\_\_\_\_  
 REVISED - \_\_\_\_\_  
 REVISED - \_\_\_\_\_

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**METRA PARKING LOT SITE AND GRADING PLAN**  
 SCALE: 1"=20'    SHEET 15 OF 15 SHEETS    STA. 85+00 TO STA. 90+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	42
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

1. THE TRAFFIC CONTROL PLAN SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK, THE CONTRACTOR SHALL CONTACT: THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV. WHEN WORKING WITHIN WILLOW ROAD ROW.
3. ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. ALL TEMPORARY PAVEMENT MARKINGS & TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AT THE BEGINNING OF EACH STAGE AND SHALL BE MAINTAINED FOR THE DURATION OF THAT STAGE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. A MINIMUM ONE (1) TEN FOOT (10') LANE IN EACH DIRECTION SHALL BE KEPT OPEN TO TRAFFIC AT ALL TIMES.
5. THE CONTRACTOR SHALL PROVIDE INFORMATION SIGNS ON TEMPORARY SUPPORTS FOR THE COMMERCIAL DRIVEWAYS. THESE SIGNS SHALL BE WHITE ON GREEN IN ACCORDANCE WITH DISTRICT 1 DETAIL TC-26. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL ENTRANCES, APPROACHES AND TEMPORARY ROADS WITHIN THE PROJECT LIMITS. ALL DRIVEWAY ENTRANCE SIGNS PER DISTRICT ONE DETAIL TC-26 SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL & PROTECTION (SPECIAL).
6. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
7. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY CHANGES IN STAGING AT LEAST ONE (1) WEEK IN ADVANCE.
8. TEMPORARY SIGNING, AS SHOWN, SHALL CONFORM TO THE APPLICABLE STANDARDS INCLUDED IN THE SPECIAL PROVISIONS AND CONTRACT PLANS OR AS DIRECTED BY THE ENGINEER.
9. ALL "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS.
10. EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY THIS WORK SHALL BE REPLACED BY THE CONTRACTOR.
11. TRAFFIC CONTROL DEPICTED ON THE MAINTENANCE OF TRAFIC PLANS IS THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER.
12. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN, AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL NOT BE PAID FOR SEPARATLY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)"
13. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.
14. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORSEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTIONS WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.
15. A DETECTABLE PEDESTRIAN CHANNELIZATION BARRICADE WITH A "SIDEWALK CLOSED" SIGN AFFIXED, SHALL BE PLACED ON ALL SIDEWALKS CLOSED DUE TO CONSTRUCTION ACTIVITIES AS SHOWN IN STDS. 701801 & 701901.
16. ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE TEMPORARY PAVEMENT MARKING FOR STAGING SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL-WATER BLASTING".
17. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED ON PAVEMENT NOT INTENDED TO BE RESURFACED.
18. REFER TO STANDARD FROM IDOT HIGHWAY STANDARDS FOR LANE CLOSURE DETAILS
19. ACCESS TO BUSINESSES NEED TO BE MAINTAINED AT ALL TIMES. DEVIATION FROM THIS REQUIRES ADDITIONAL COORDINATION WITH ALL IMPACTED PARTIES.

MODEL DATA  
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DESIGNED -	JRK	REVISED -	
DRAWN -		REVISED -	
CHECKED -		REVISED -	
DATE -	07/09/2024	REVISED -	

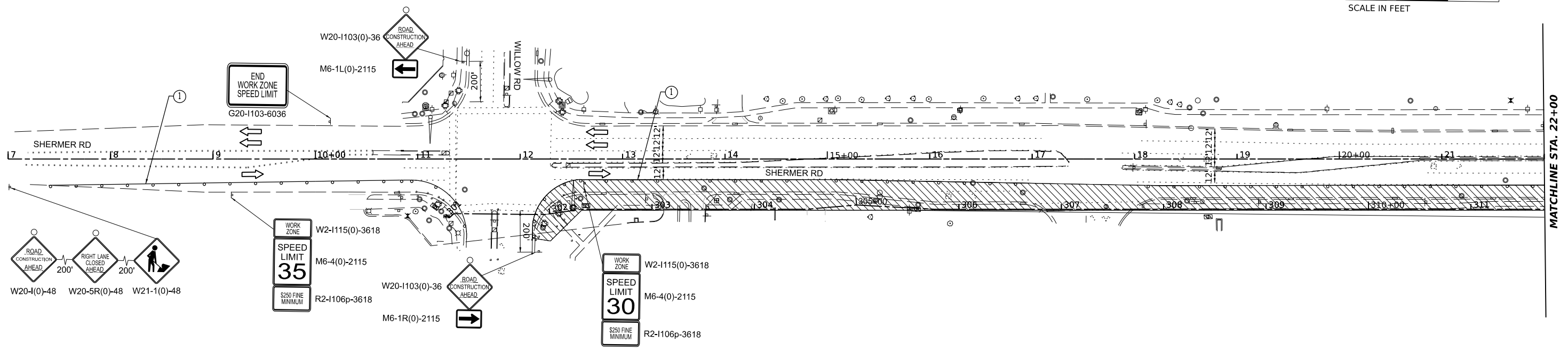
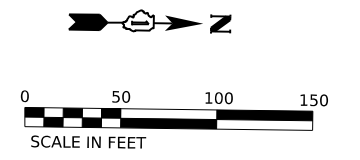
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES**

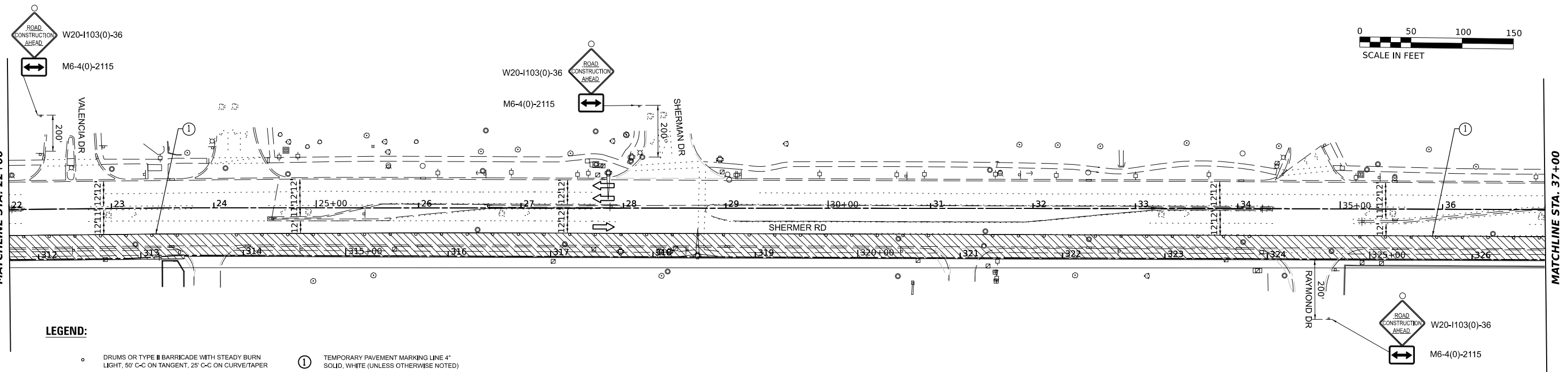
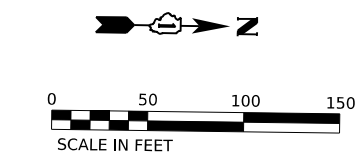
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	43
CONTRACT NO. 61K70				
		ILLINOIS	FED. AID PROJECT	





NOTES:  
 1. THE W21-1 SIGN SHALL BE COVERED OR REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



**LEGEND:**

- DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT, 50' C-C ON TANGENT, 25' C-C ON CURVE/TAPER
- ⊥ TRAFFIC SIGN
- ⊥ TYPE III BARRICADE
- ➔ DIRECTION OF TRAVEL
- ▨ WORK ZONE
- ① TEMPORARY PAVEMENT MARKING LINE 4" SOLID, WHITE (UNLESS OTHERWISE NOTED)
- ② TEMPORARY PAVEMENT MARKING LINE 6" SOLID, WHITE (UNLESS OTHERWISE NOTED)
- ③ TEMPORARY PAVEMENT MARKING LINE 12" SOLID, WHITE (UNLESS OTHERWISE NOTED)
- ④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS, WHITE

MODEL: P:\CL-1 - Plan 7  
 FILE NAME: P:\PROJECTS\2300023126\DESIGN\DWG\Working\Sheet23126\_sht\_MOT\_Stage\_1.dwg



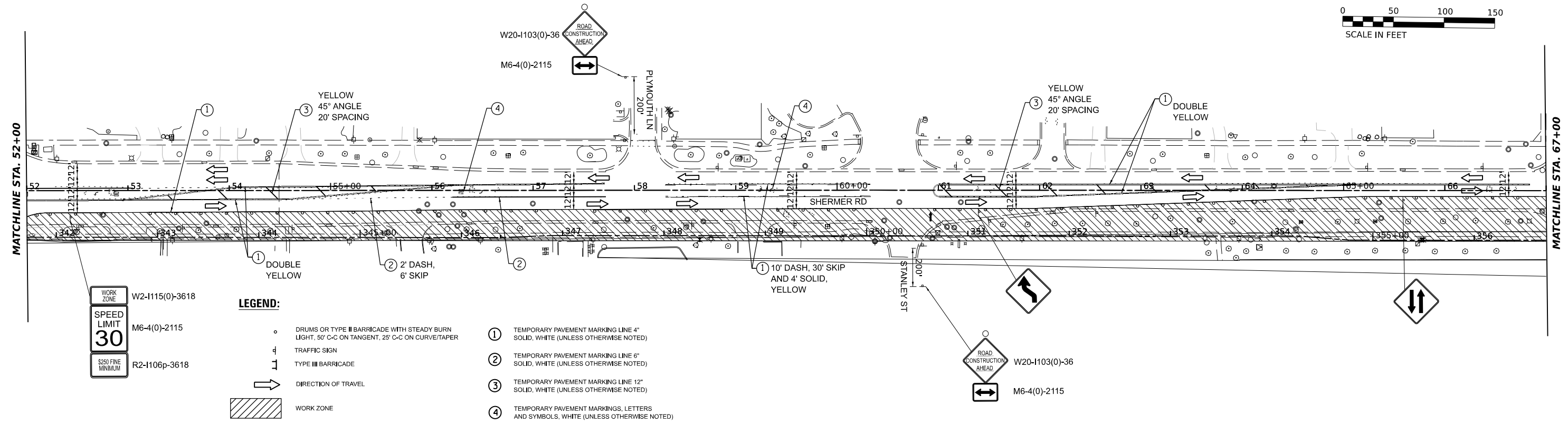
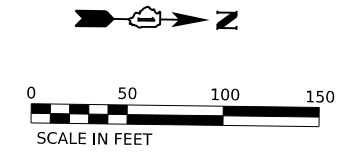
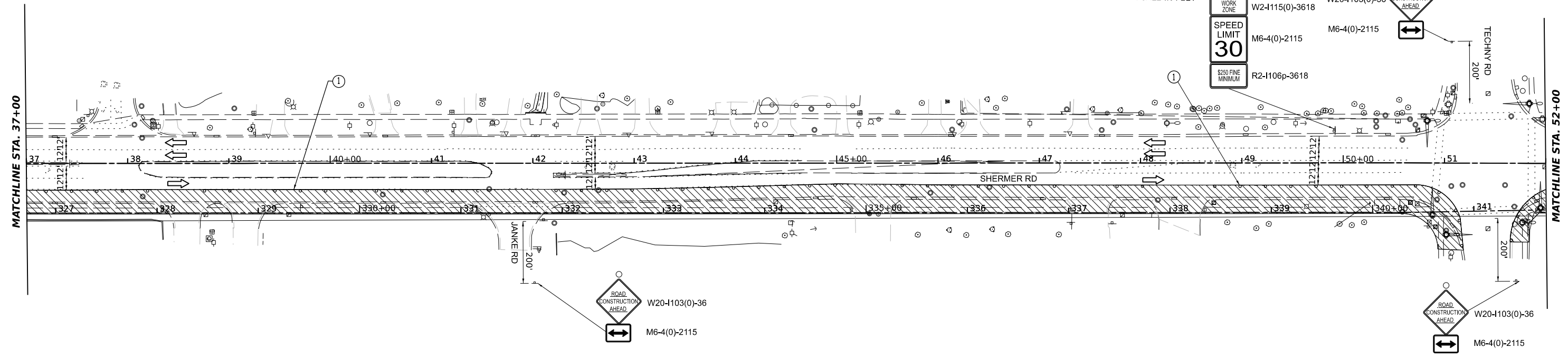
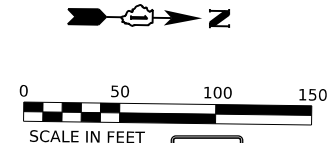
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DRAWN	DR	REVISIONS	-	REVISIONS	-
PLOT SCALE	0.16666685' / in.	CHECKED	JK	REVISIONS	-
PLOT DATE	7/25/2024	DATE	07/24/2024	REVISIONS	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC PLANS - STAGE 1**

SCALE: 1"=50'      SHEET 1 OF 3 SHEETS      STA. 7+00 TO STA. 37+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	45
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



WORK ZONE  
SPEED LIMIT 30  
S250 FINE MINIMUM

W2-1115(0)-3618  
M6-4(0)-2115  
R2-1106p-3618

**LEGEND:**

- DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT, 50' C-C ON TANGENT, 25' C-C ON CURVE/TAPER
- ⊕ TRAFFIC SIGN
- ⊥ TYPE III BARRICADE
- ➔ DIRECTION OF TRAVEL
- ▨ WORK ZONE
- ① TEMPORARY PAVEMENT MARKING LINE 4" SOLID, WHITE (UNLESS OTHERWISE NOTED)
- ② TEMPORARY PAVEMENT MARKING LINE 6" SOLID, WHITE (UNLESS OTHERWISE NOTED)
- ③ TEMPORARY PAVEMENT MARKING LINE 12" SOLID, WHITE (UNLESS OTHERWISE NOTED)
- ④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS, WHITE (UNLESS OTHERWISE NOTED)

MODEL: PCL1 - Plan 9  
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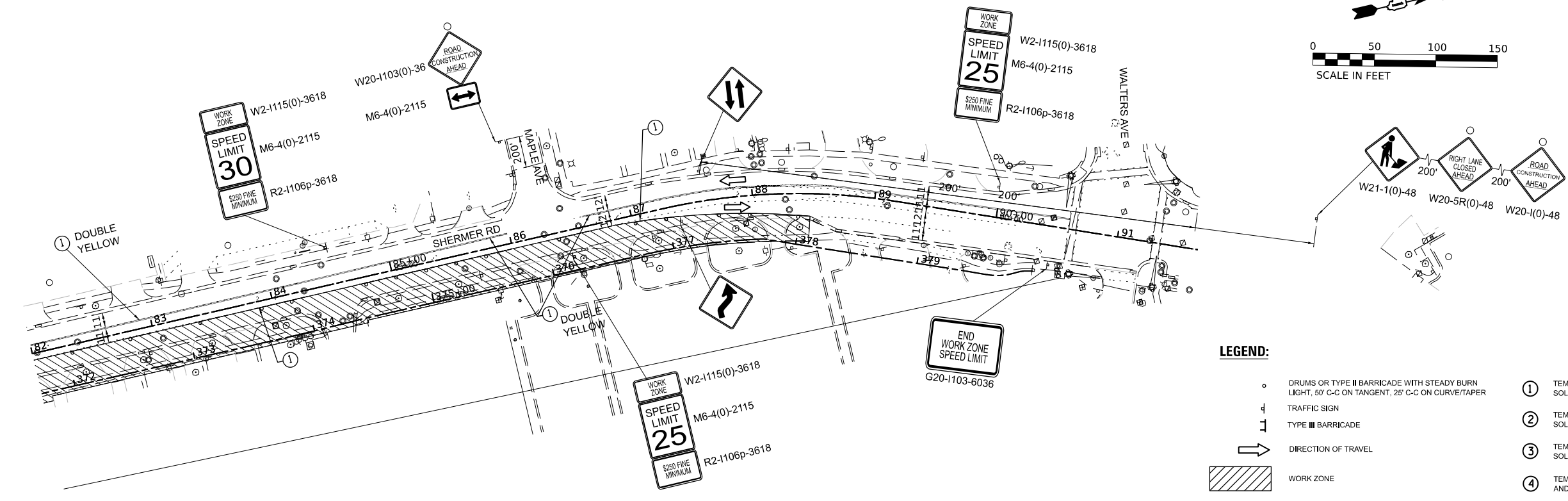
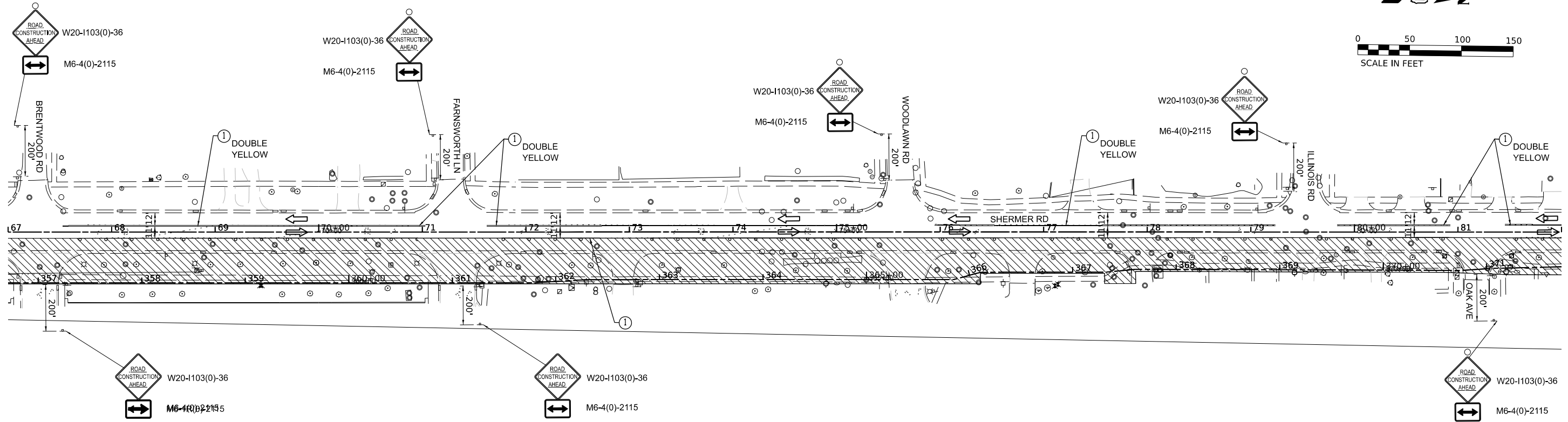
USER NAME	spaladugu	DESIGNED	SP	REVISED	-
DRAWN	DR	REVISIONS	-	DATE	-
CHECKED	JK	DATE	07/24/2024	REVISED	-
PLOT SCALE	0.16666685 1/ in.				
PLOT DATE	7/25/2024				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC PLANS - STAGE 1**

SCALE: 1"=50'      SHEET 2 OF 3 SHEETS      STA. 37+00 TO STA. 67+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	46
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



- LEGEND:**
- DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT, 50' C-C ON TANGENT, 25' C-C ON CURVE/TAPER
  - ⊥ TRAFFIC SIGN
  - ⊥ TYPE III BARRICADE
  - ➔ DIRECTION OF TRAVEL
  - ▨ WORK ZONE
  - ① TEMPORARY PAVEMENT MARKING LINE 4" SOLID, WHITE (UNLESS OTHERWISE NOTED)
  - ② TEMPORARY PAVEMENT MARKING LINE 6" SOLID, WHITE (UNLESS OTHERWISE NOTED)
  - ③ TEMPORARY PAVEMENT MARKING LINE 12" SOLID, WHITE (UNLESS OTHERWISE NOTED)
  - ④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS, WHITE (UNLESS OTHERWISE NOTED)

**NOTES:**  
 1. THE W21-1 SIGN SHALL BE COVERED OR REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

MODEL: PLOT\_1 - Plan 11  
 FILE NAME: P:\PROJECTS\2020\22126\_C\_DESIGN\DWG\Workshop\Sheet22126\_sht\_MOT Stage\_1.dwg



USER NAME	spaladugu	DESIGNED -	SP	REVISED -	---
DRAWN	DR	REVISIONS		REVISED -	---
CHECKED	JK	REVISIONS		REVISED -	---
DATE	07/24/2024	REVISIONS		REVISED -	---

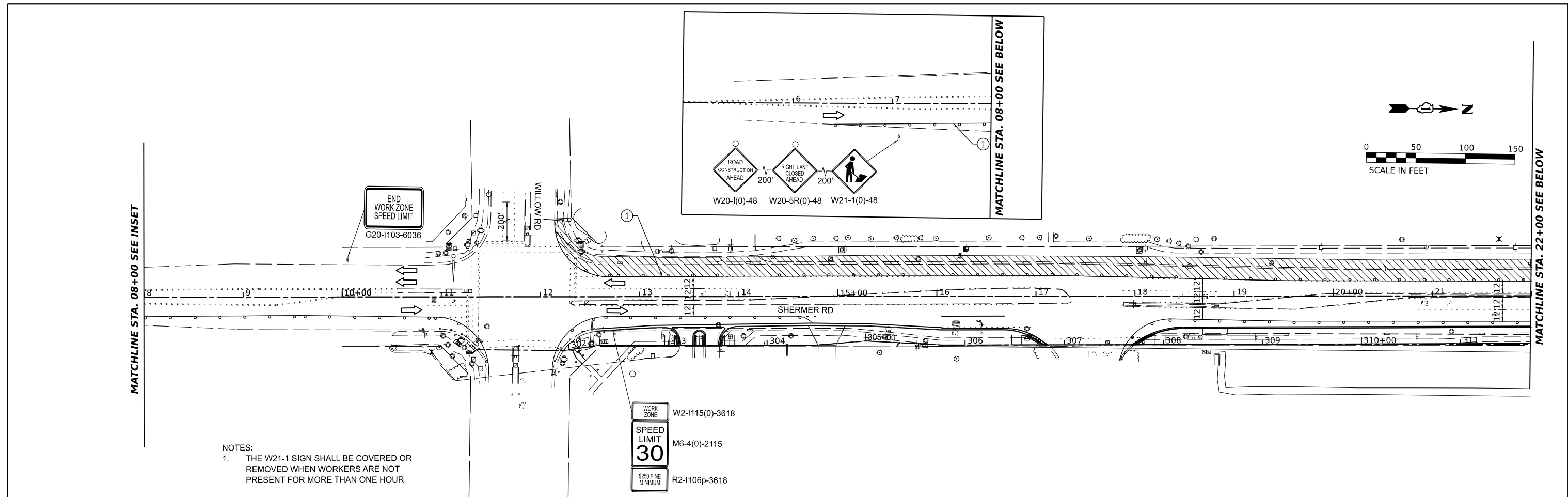
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC PLANS - STAGE 1**

SCALE: 1"=50'      SHEET 3 OF 3 SHEETS      STA. 67+00 TO STA. 91+66

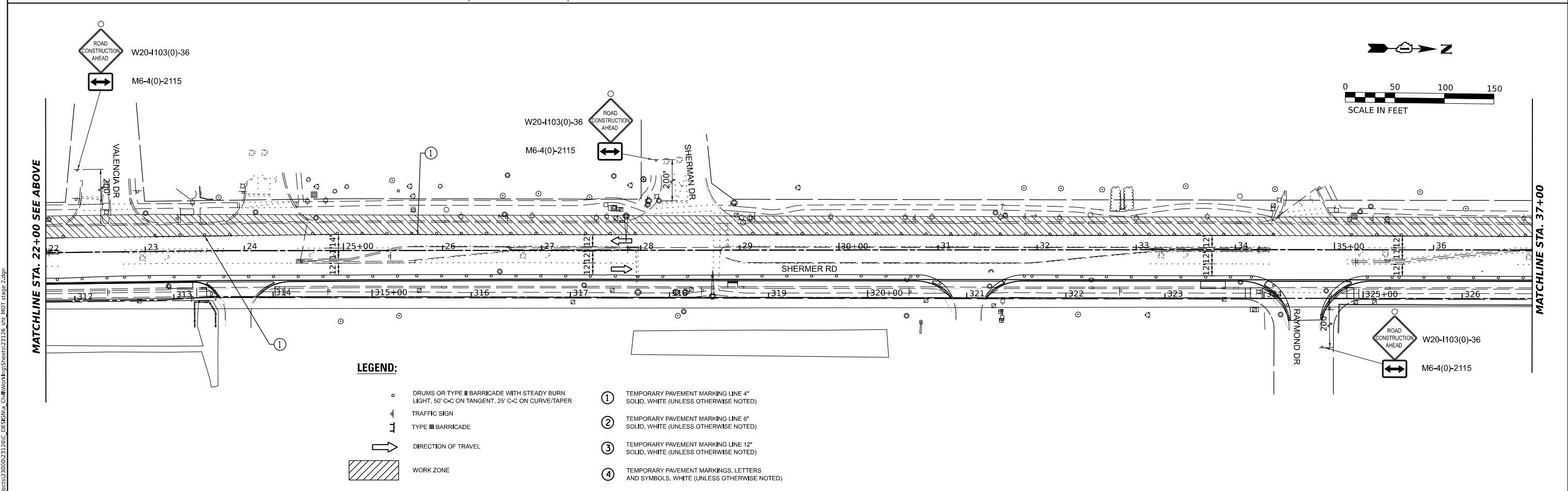
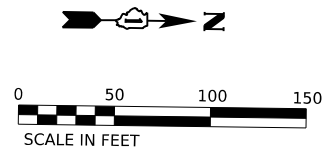
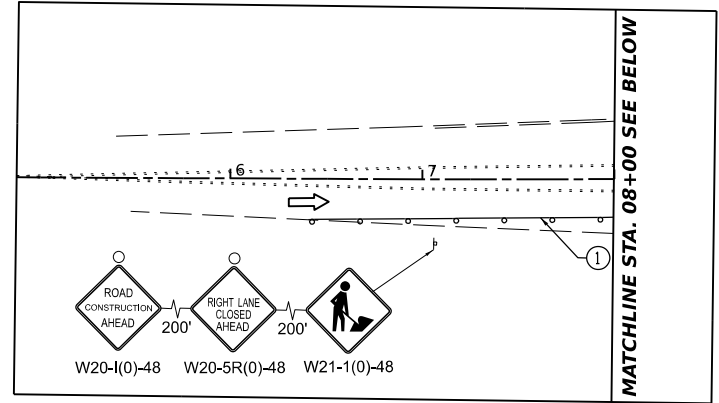
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	47
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

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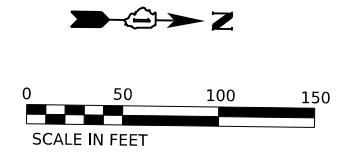


NOTES:  
 1. THE W21-1 SIGN SHALL BE COVERED OR REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

WORK ZONE W2-1115(0)-3618  
 SPEED LIMIT M6-4(0)-2115  
 \$250 FINE MINIMUM R2-1106p-3618

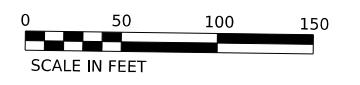
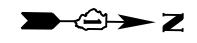


- LEGEND:**
- DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT, 50' C-C ON TANGENT, 25' C-C ON CURVE/TAPER
  - ⊥ TRAFFIC SIGN
  - ⊥ TYPE III BARRICADE
  - ➔ DIRECTION OF TRAVEL
  - ▨ WORK ZONE
  - ① TEMPORARY PAVEMENT MARKING LINE 4" SOLID, WHITE, (UNLESS OTHERWISE NOTED)
  - ② TEMPORARY PAVEMENT MARKING LINE 6" SOLID, WHITE, (UNLESS OTHERWISE NOTED)
  - ③ TEMPORARY PAVEMENT MARKING LINE 12" SOLID, WHITE, (UNLESS OTHERWISE NOTED)
  - ④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS, WHITE, (UNLESS OTHERWISE NOTED)



	USER NAME = spaladugu	DESIGNED - SP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED MAINTENANCE OF TRAFFIC PLANS - STAGE 2</b>	F.A.U. RTE. 2760	SECTION 22-00183-00-BT	COUNTY COOK	TOTAL SHEETS 182	SHEET NO. 48
	PLOT SCALE = 0.16666685 ' / in.	CHECKED - JK	REVISIED -			SCALE: 1"=50'	SHEET 1 OF 3 SHEETS	STA. 10+00 TO STA. 40+00	CONTRACT NO. 61K70	
	PLOT DATE = 7/25/2024	DATE - 07/24/2024	REVISIED -							



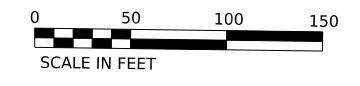
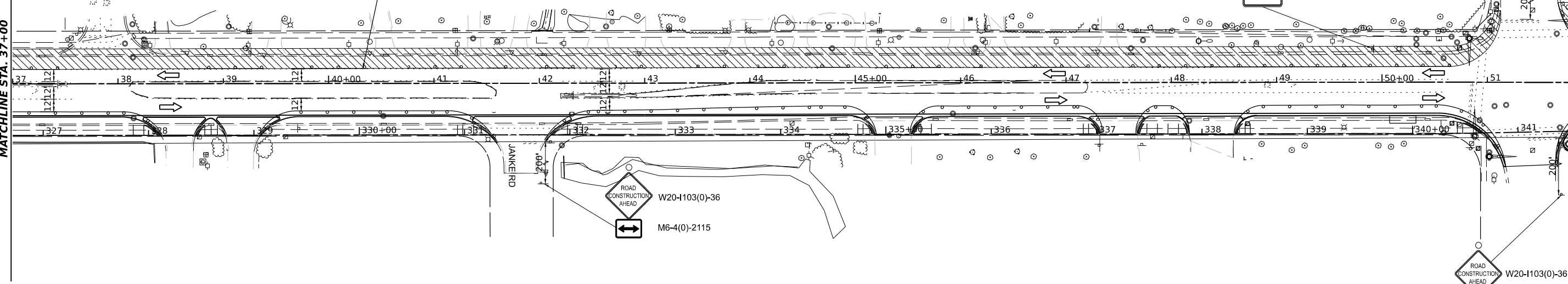


WORK ZONE  
W2-1115(0)-3618  
SPEED LIMIT 30  
S250 FINE MINIMUM  
M6-4(0)-2115  
R2-1106p-3618



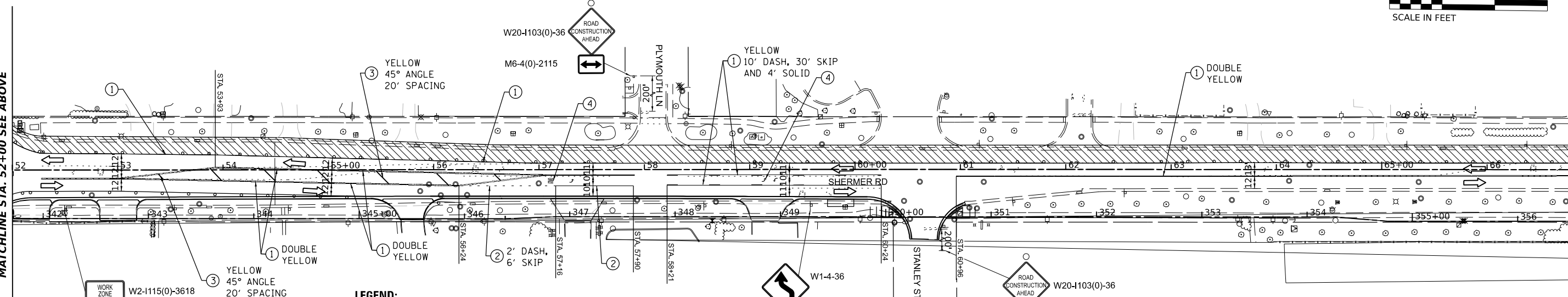
MATCHLINE STA. 37+00

MATCHLINE STA. 52+00 SEE BELOW



MATCHLINE STA. 52+00 SEE ABOVE

MATCHLINE STA. 69+00



WORK ZONE  
SPEED LIMIT 30  
S250 FINE MINIMUM  
W2-1115(0)-3618  
M6-4(0)-2115  
R2-1106p-3618

**LEGEND:**

- DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT, 50' C-C ON TANGENT, 25' C-C ON CURVE/TAPER
- ⊕ TRAFFIC SIGN
- ⊥ TYPE III BARRICADE
- ➔ DIRECTION OF TRAVEL
- ▨ WORK ZONE
- ① TEMPORARY PAVEMENT MARKING LINE 4" SOLID, WHITE (UNLESS OTHERWISE NOTED)
- ② TEMPORARY PAVEMENT MARKING LINE 6" SOLID, WHITE (UNLESS OTHERWISE NOTED)
- ③ TEMPORARY PAVEMENT MARKING LINE 12" SOLID, WHITE (UNLESS OTHERWISE NOTED)
- ④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS, WHITE (UNLESS OTHERWISE NOTED)

MODEL: PCL - Rtn 3  
FILE NAME: P:\PROJECTS\2020\2126\CD\WORKING\Sheet2126\_sht\_MOT\_stage\_2.dgn



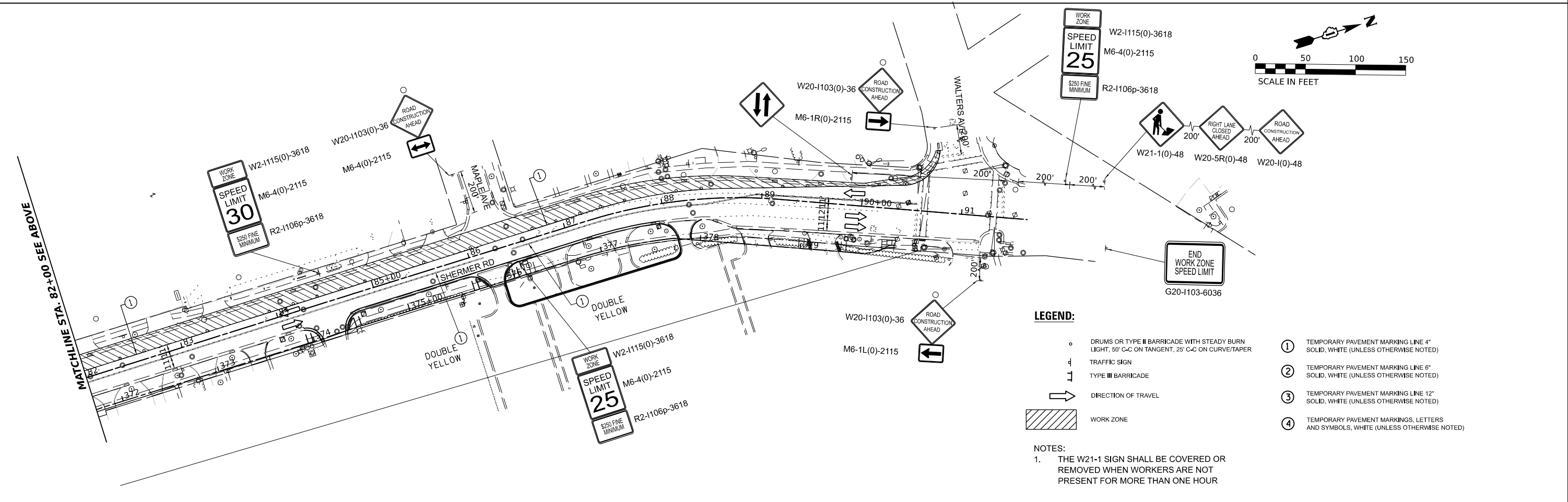
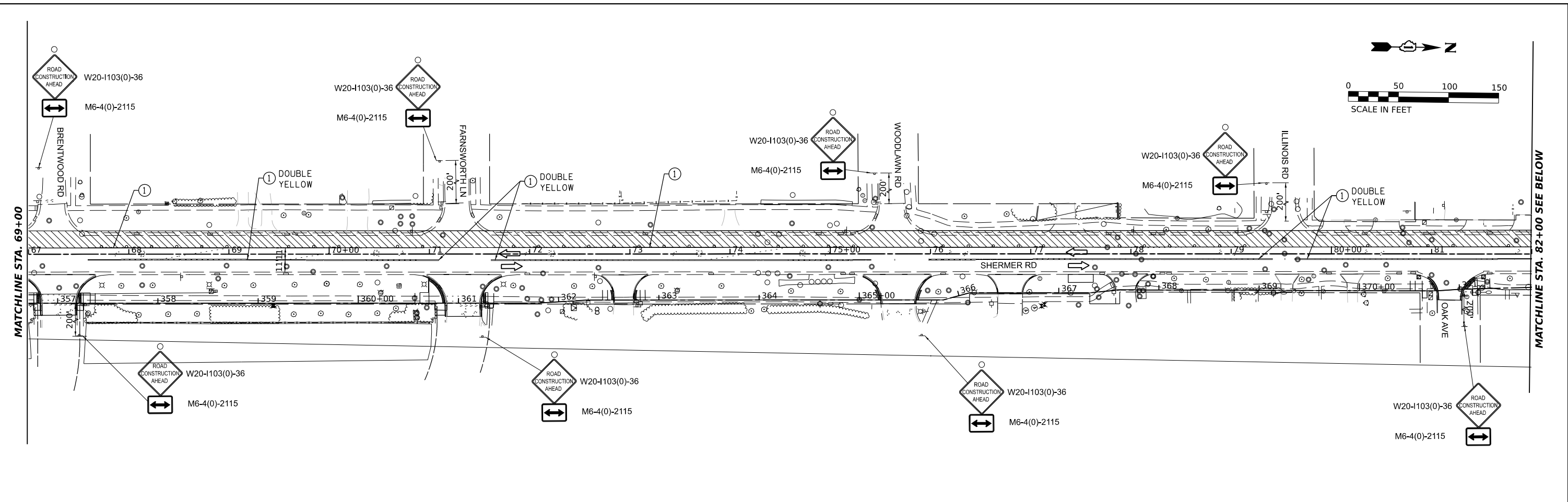
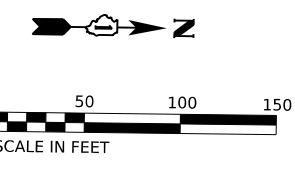
USER NAME	spaladugu	DESIGNED	SP	REVISED	-
DRAWN	DR	REVISIONS	DATE	07/24/2024	REVISED
CHECKED	JK	DATE	07/24/2024	REVISED	-
PLOT SCALE	0.16666685 1/ in.				
PLOT DATE	7/25/2024				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC PLANS - STAGE 2**

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 40+00 TO STA. 70+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	49
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



- LEGEND:**
- DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT, 50' C-C ON TANGENT, 25' C-C ON CURVE/TAPER
  - ⊕ TRAFFIC SIGN
  - ⊥ TYPE III BARRICADE
  - ➔ DIRECTION OF TRAVEL
  - ▨ WORK ZONE
  - ① TEMPORARY PAVEMENT MARKING LINE 4" SOLID, WHITE (UNLESS OTHERWISE NOTED)
  - ② TEMPORARY PAVEMENT MARKING LINE 6" SOLID, WHITE (UNLESS OTHERWISE NOTED)
  - ③ TEMPORARY PAVEMENT MARKING LINE 12" SOLID, WHITE (UNLESS OTHERWISE NOTED)
  - ④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS, WHITE (UNLESS OTHERWISE NOTED)

**NOTES:**

- THE W21-1 SIGN SHALL BE COVERED OR REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

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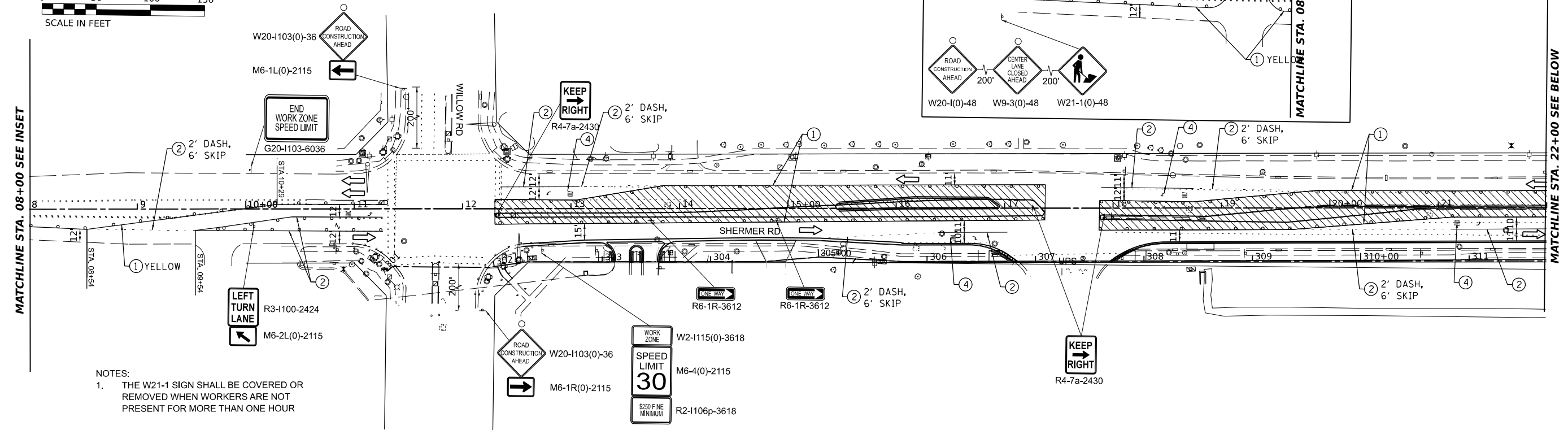
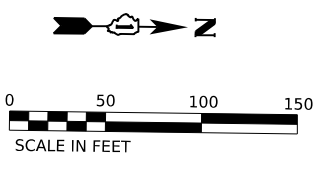
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DRAWN	DR	REVISIONS	-	DATE	-
CHECKED	JK	REVISIONS	-	DATE	-
DATE	07/24/2024	REVISIONS	-	DATE	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

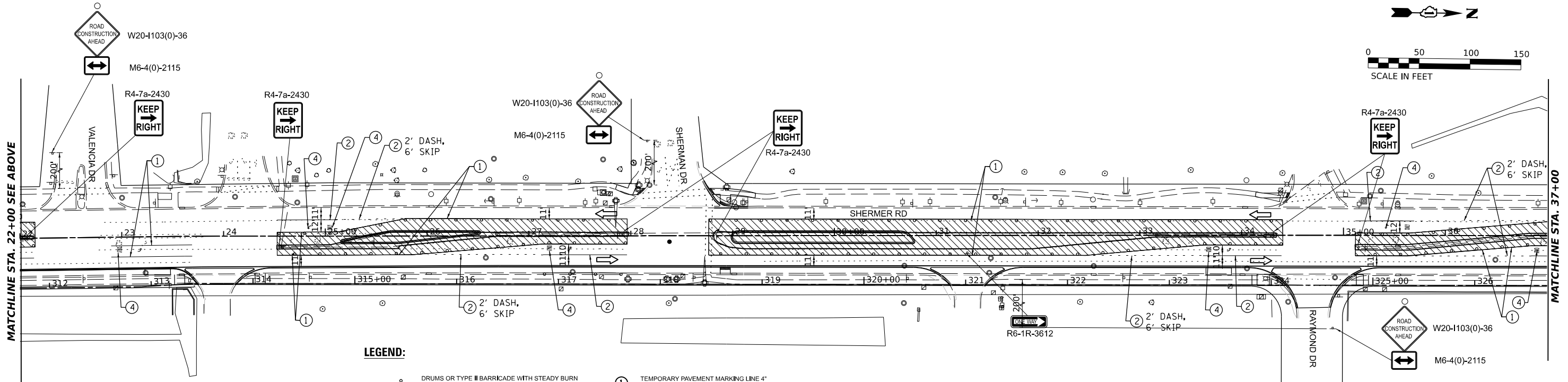
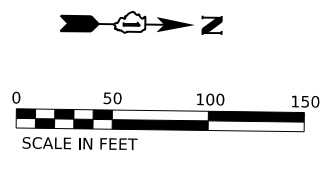
**SUGGESTED MAINTENANCE OF TRAFFIC PLANS – STAGE 2**

SCALE: 1"=50'      SHEET 3 OF 3 SHEETS      STA. 70+00 TO STA. 91+66

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	50
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



NOTES:  
 1. THE W21-1 SIGN SHALL BE COVERED OR REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



- LEGEND:**
- DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT, 50' C-C ON TANGENT, 25' C-C ON CURVE/TAPER
  - ⊠ TRAFFIC SIGN
  - ⊞ TYPE III BARRICADE
  - ➔ DIRECTION OF TRAVEL
  - ▨ WORK ZONE
  - ① TEMPORARY PAVEMENT MARKING LINE 4" SOLID, WHITE (UNLESS OTHERWISE NOTED)
  - ② TEMPORARY PAVEMENT MARKING LINE 6" SOLID, WHITE (UNLESS OTHERWISE NOTED)
  - ③ TEMPORARY PAVEMENT MARKING LINE 12" SOLID, WHITE (UNLESS OTHERWISE NOTED)
  - ④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS, WHITE (UNLESS OTHERWISE NOTED)

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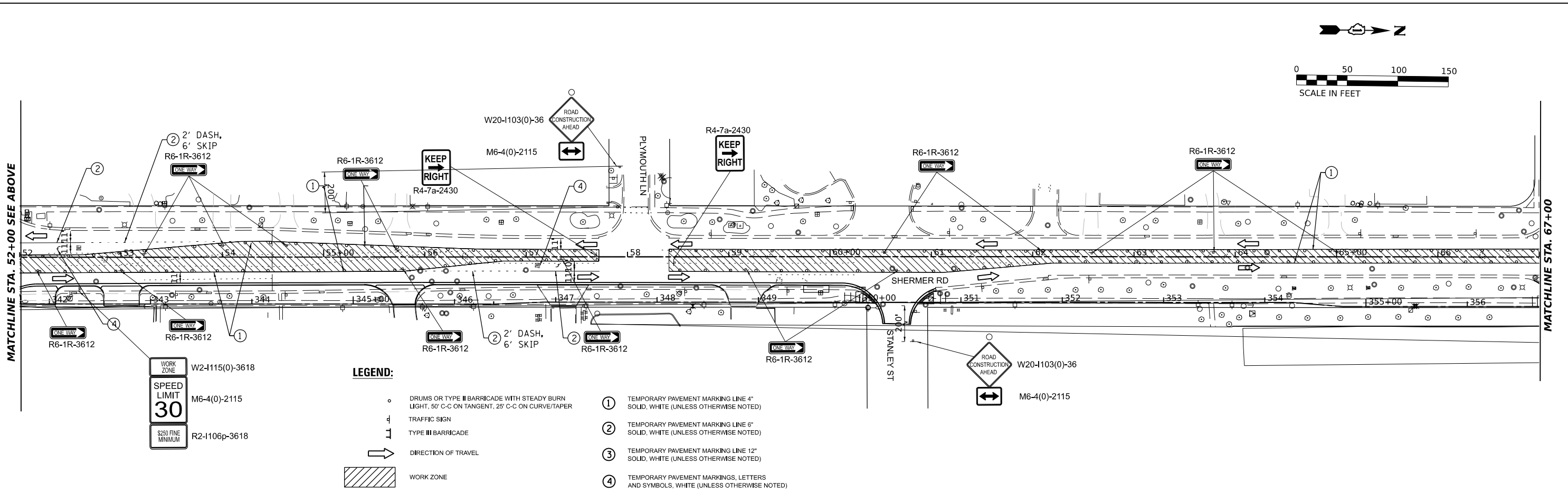
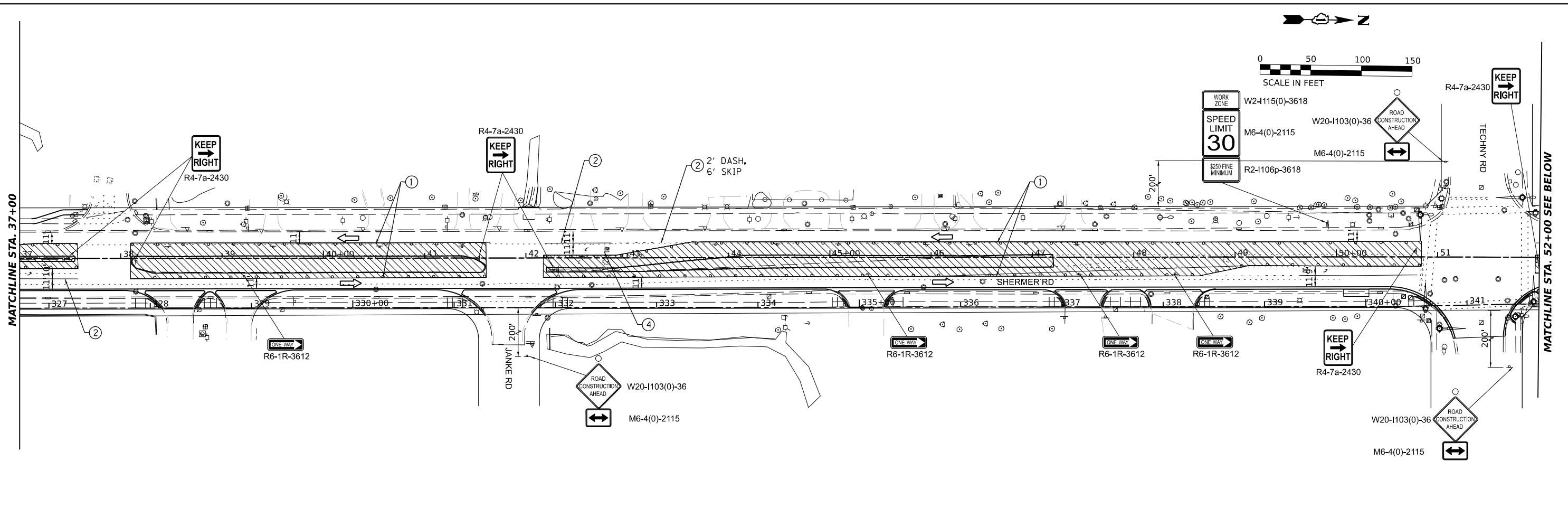
USER NAME	spaladugu	DESIGNED -	SP	REVISED -	
DRAWN -	DR	REVISIONS -			
PLOT SCALE	0.16666685 1/ in.	CHECKED -	JK	REVISED -	
PLOT DATE	7/25/2024	DATE -	07/24/2024	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC PLANS - STAGE 3**

SCALE: 1"=50'      SHEET 1 OF 3 SHEETS      STA. 10+00 TO STA. 40+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	51
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



WORK ZONE  
SPEED LIMIT 30  
\$250 FINE MINIMUM  
R2-1106p-3618

**LEGEND:**

- DRUMS OR TYPE II BARRICADE WITH STEADY BURN LIGHT, 50' C-C ON TANGENT, 25' C-C ON CURVE/TAPER
- ⊕ TRAFFIC SIGN
- ⊥ TYPE III BARRICADE
- ➔ DIRECTION OF TRAVEL
- ▨ WORK ZONE
- ① TEMPORARY PAVEMENT MARKING LINE 4" SOLID, WHITE (UNLESS OTHERWISE NOTED)
- ② TEMPORARY PAVEMENT MARKING LINE 6" SOLID, WHITE (UNLESS OTHERWISE NOTED)
- ③ TEMPORARY PAVEMENT MARKING LINE 12" SOLID, WHITE (UNLESS OTHERWISE NOTED)
- ④ TEMPORARY PAVEMENT MARKINGS, LETTERS AND SYMBOLS, WHITE (UNLESS OTHERWISE NOTED)

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 7/25/2024



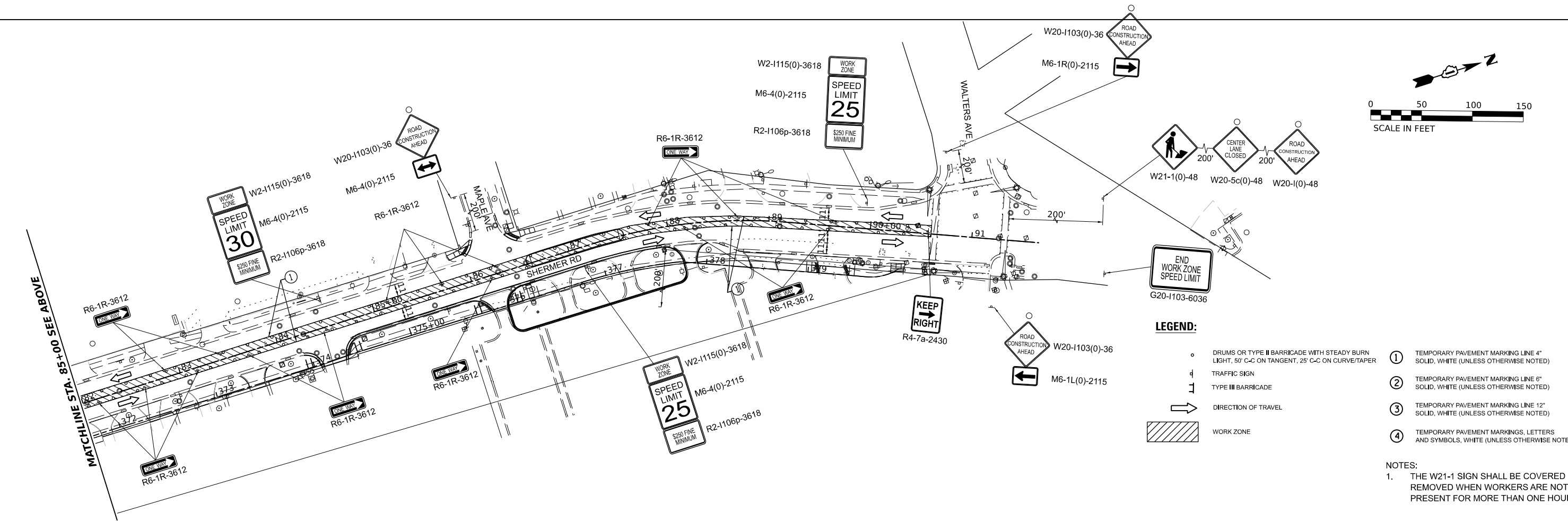
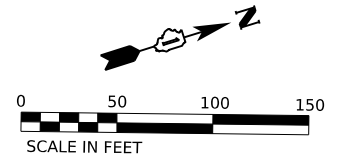
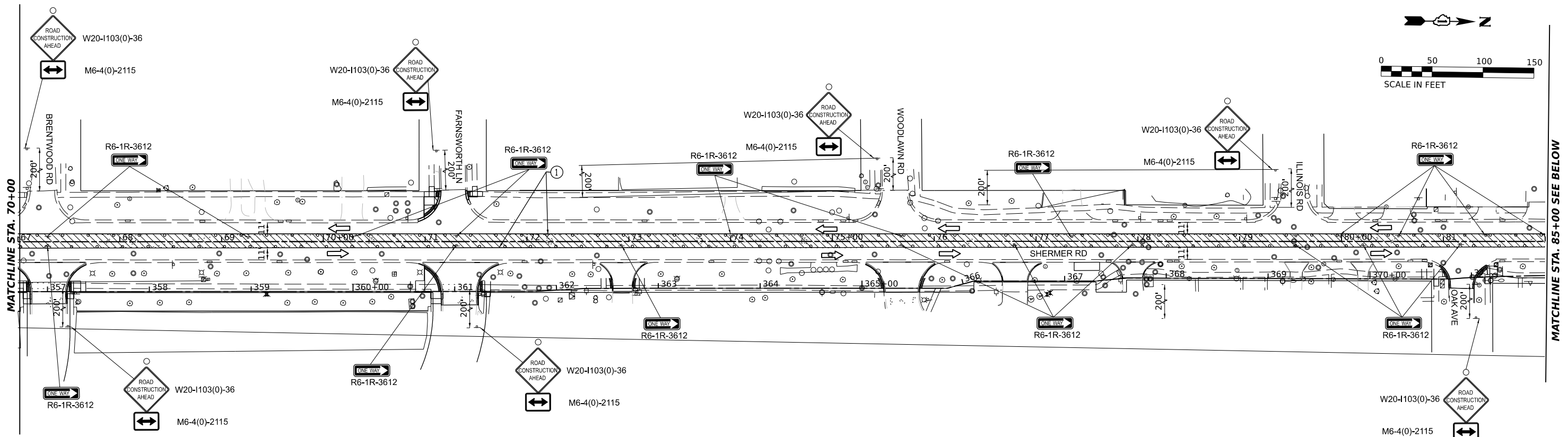
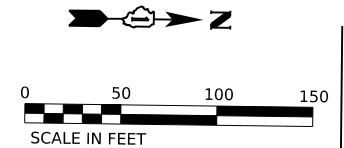
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CHECKED	JK	DATE	07/24/2024	REVISION	-
PLOT SCALE	0.16666685" = 1'				
PLOT DATE	7/25/2024				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC PLANS – STAGE 3**

SCALE: 1"=50'      SHEET 2 OF 3 SHEETS      STA. 40+00 TO STA. 70+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	52
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



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USER NAME	spaladugu	DESIGNED	SP	REVISED	-
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CHECKED	JK	REVISIONS		REVISED	-
DATE	07/24/2024	REVISIONS		REVISED	-

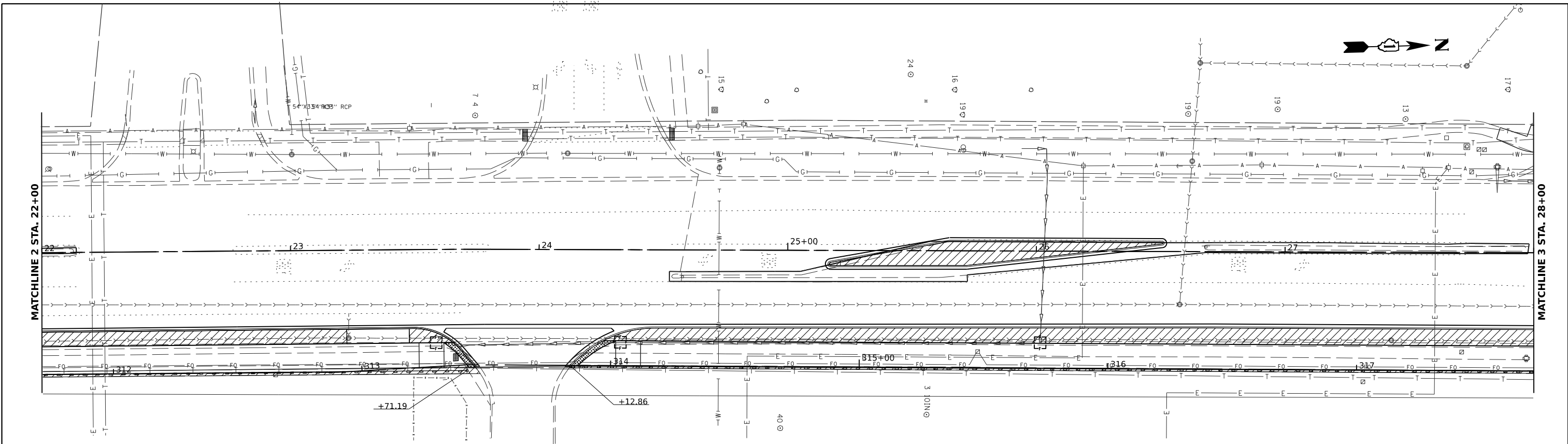
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC PLAN - STAGE 3**

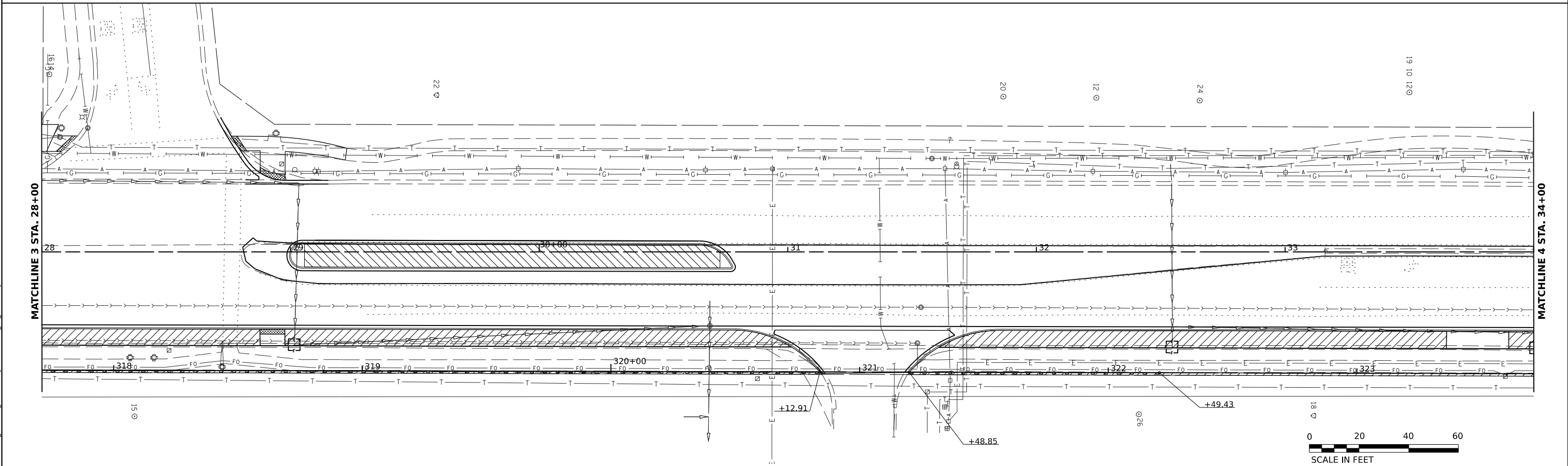
SCALE: 1"=50'    SHEET 3 OF 3 SHEETS    STA. 70+00 TO STA. 91+66

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	53
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				





\*SEE FIRST EROSION CONTROL PLAN FOR NOTES AND LEGEND



MODEL: P:\11 - Plan 3  
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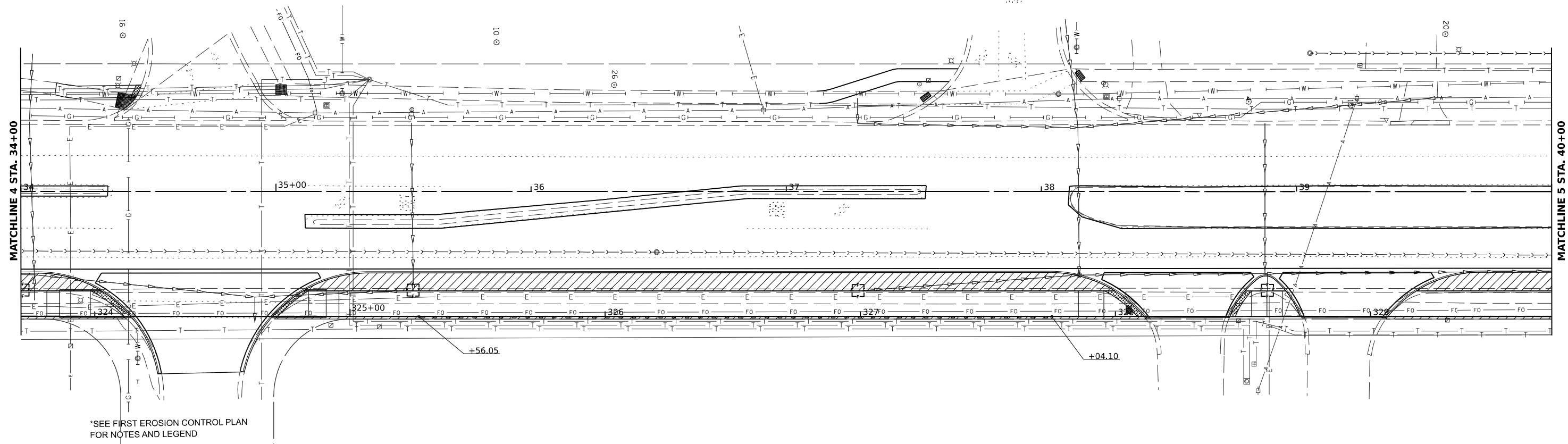
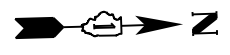


USER NAME	spaladugu	DESIGNED	SP	REVISED	-
DRAWN	DR	REVISIONS	-	DATE	07/09/2024
CHECKED	JK	DATE	07/09/2024	REVISIONS	-
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PLOT DATE	7/9/2024				

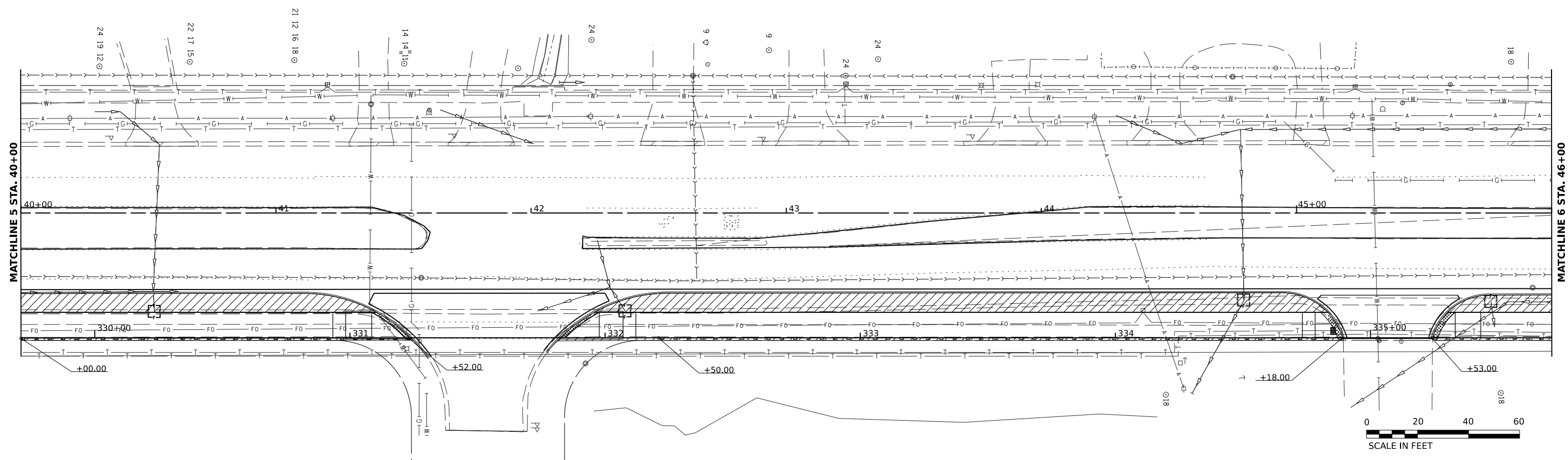
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>EROSION AND SEDIMENT CONTROL PLANS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	55
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



\*SEE FIRST EROSION CONTROL PLAN FOR NOTES AND LEGEND



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLANS**

USER NAME	spaladugu	DESIGNED	SP	REVISED	-
DRAWN	DR	REVISIONS	-	REVISIONS	-
CHECKED	JK	REVISIONS	-	REVISIONS	-
DATE	07/09/2024	REVISIONS	-	REVISIONS	-

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	56
CONTRACT NO. 61K70				

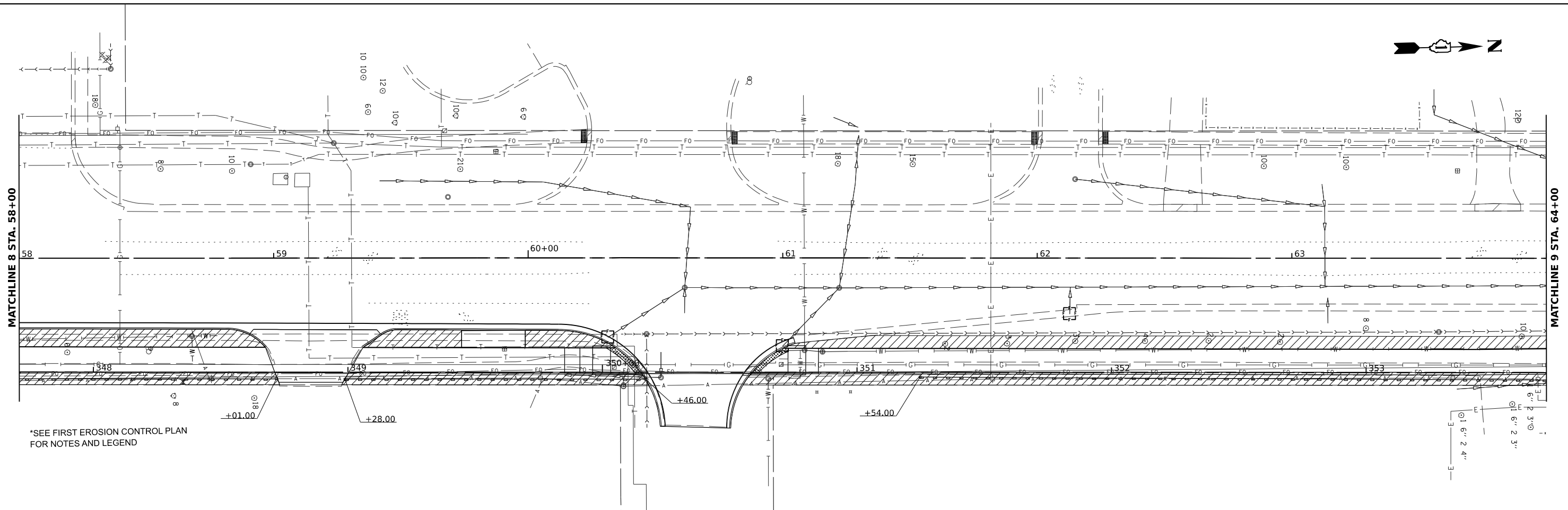
ILLINOIS FED. AID PROJECT

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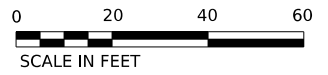
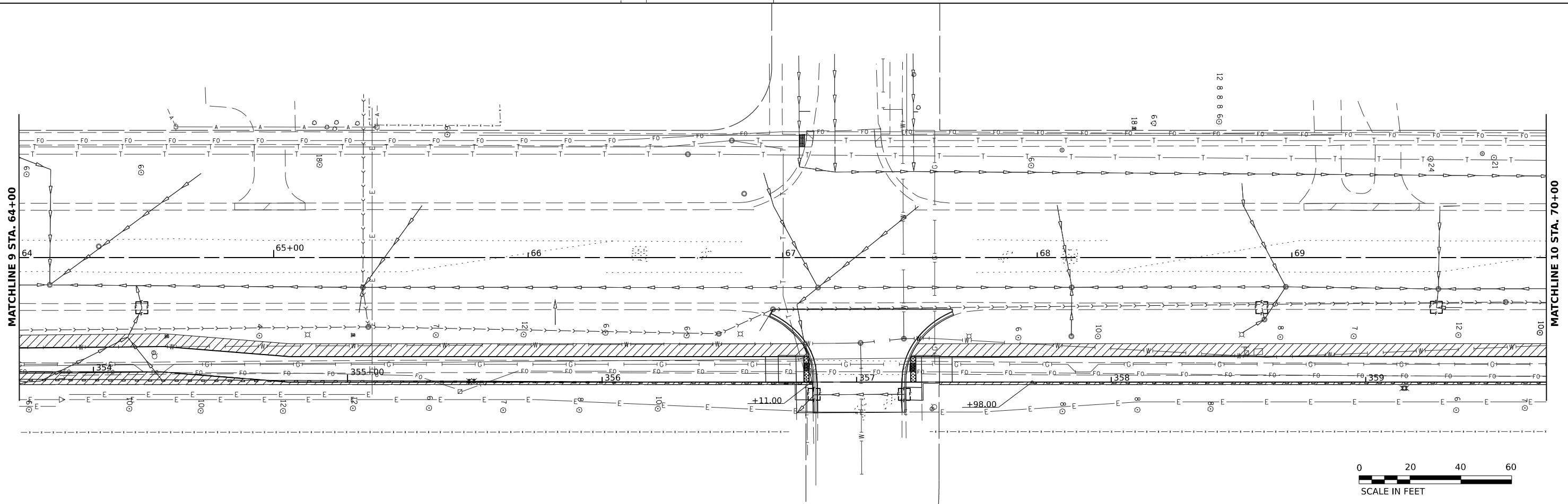








\*SEE FIRST EROSION CONTROL PLAN FOR NOTES AND LEGEND



MODEL: PCL1 - Plan 9  
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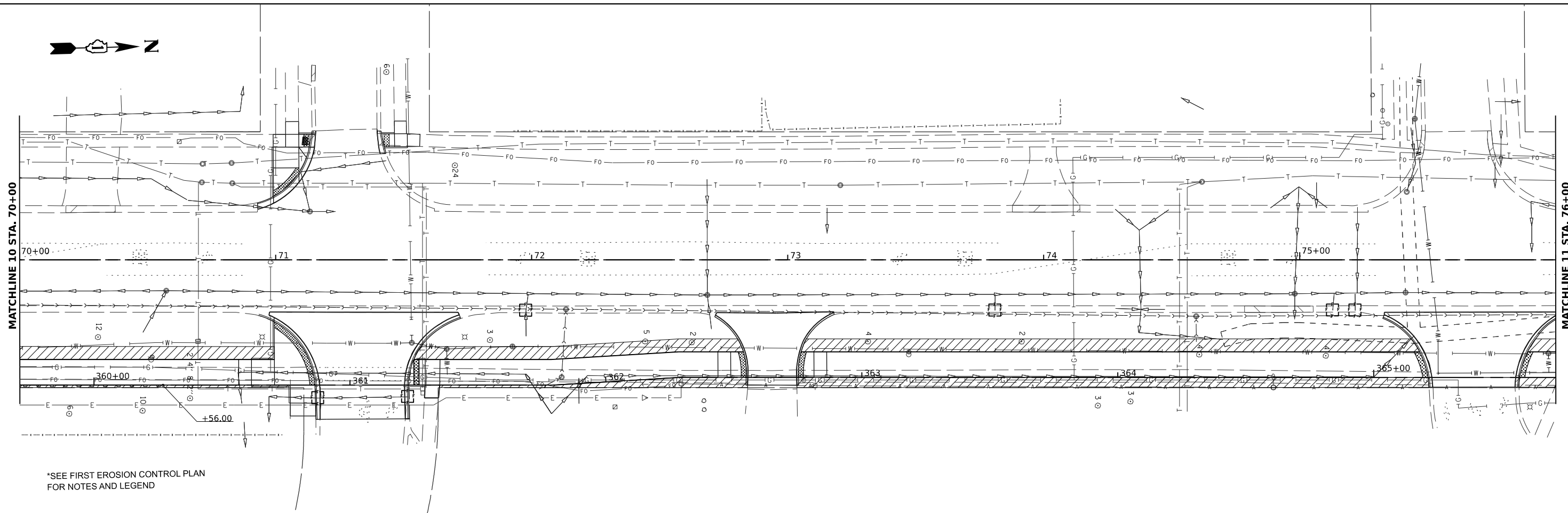


USER NAME	spaladugu	DESIGNED	SP	REVISED	-
DRAWN	DR	REVISIONS		REVISED	-
CHECKED	JK	REVISIONS		REVISED	-
DATE	07/09/2024	REVISIONS		REVISED	-
PLOT SCALE	0.166667"/in.				
PLOT DATE	7/9/2024				

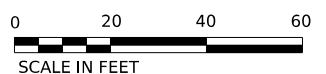
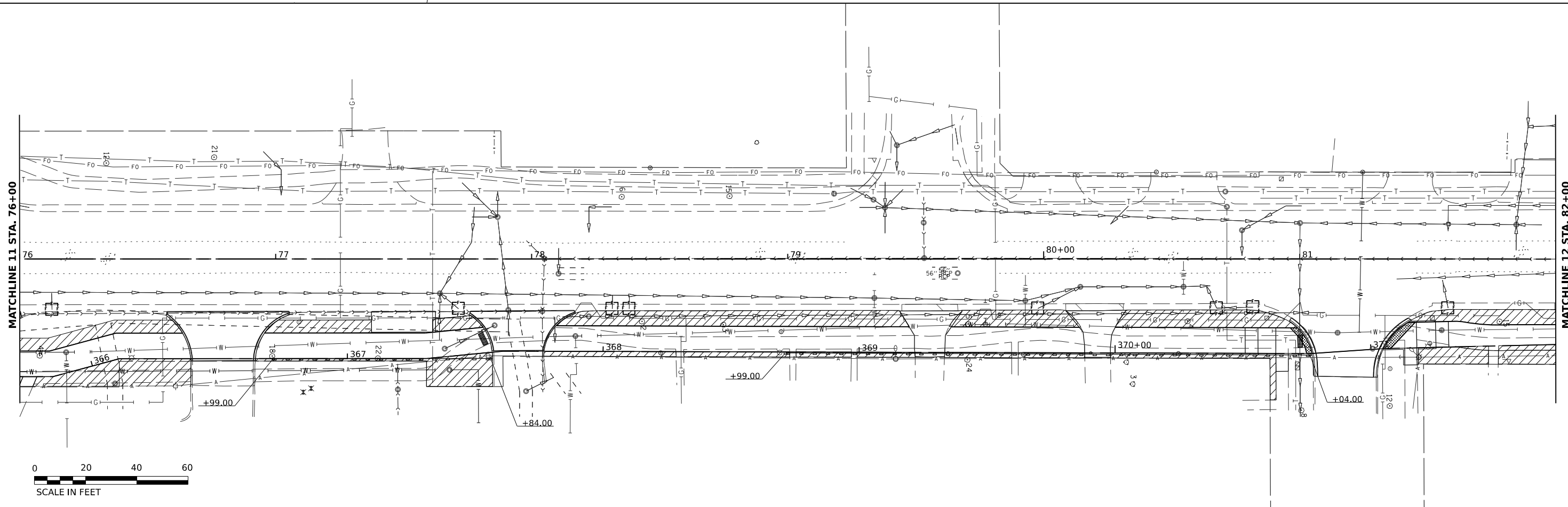
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>EROSION AND SEDIMENT CONTROL PLANS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	58
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



\*SEE FIRST EROSION CONTROL PLAN FOR NOTES AND LEGEND



MODEL: PCL1 - Plan 11  
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USER NAME = spaladugu  
 PLOT SCALE = 0.166667" / in.  
 PLOT DATE = 7/9/2024

DESIGNED - SP  
 DRAWN - DR  
 CHECKED - JK  
 DATE - 07/09/2024

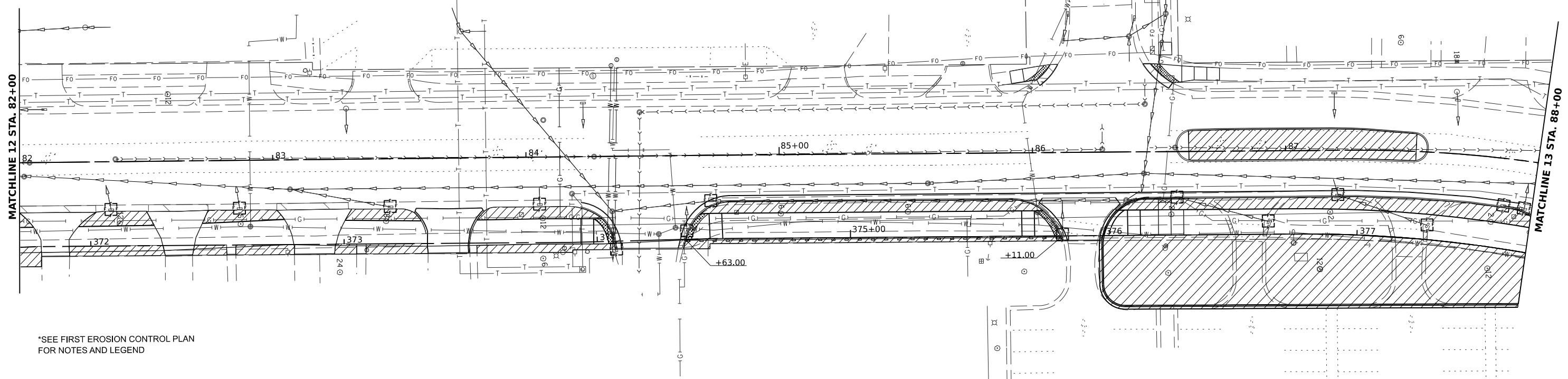
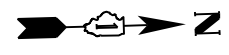
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

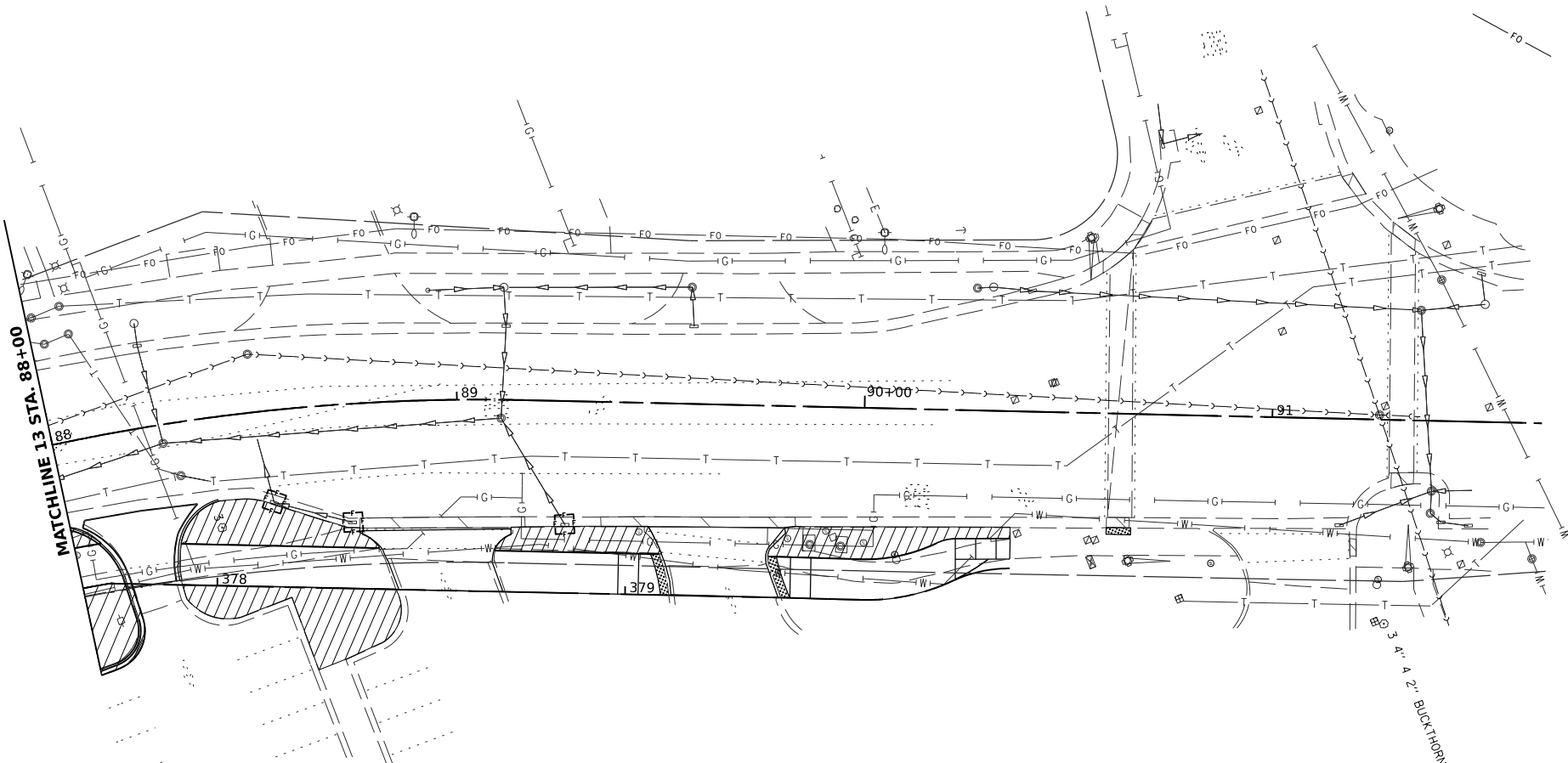
**EROSION AND SEDIMENT CONTROL PLANS**

SCALE:      SHEET      OF      SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	59
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



\*SEE FIRST EROSION CONTROL PLAN FOR NOTES AND LEGEND



MODEL: P:\CL-1 - Plan 13  
 FILE NAME: P:\PROJECTS\2020\022126\DESIGN\DWG\Working\Sheet202126\_sht\_EC&LND.dwg



USER NAME	spaladugu	DESIGNED	SP	REVISED	-
DRAWN	DR	REVISIONS		REVISIONS	
PLOT SCALE	0.166667" / in.	CHECKED	JK	REVISIONS	
PLOT DATE	7/9/2024	DATE	07/09/2024	REVISIONS	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>EROSION AND SEDIMENT CONTROL PLANS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	60
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE SCHEDULE										
STR. NO.	STRUCTURE TYPE	STA.	OFFSET	RIM	INV (N)	INV (S)	INV (W)	INV (E)	PAY ITEM	EX. STR. TO BE REMOVED
S100	MANHOLES TO BE ADJUSTED	12+59	38.4 RT	650.02					60255500	
S101	INLETS TO BE ADJUSTED	12+82	33.7 RT	649.24					60260100	
S102	MANHOLES TO BE ADJUSTED	13+80	28.5 RT	648.62					60255500	
S103	MANHOLES TO BE ADJUSTED	14+05	39.6 RT	648.99					60255500	
S104	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	14+11	29.2 RT	648.56			644.05	644.05	60240328	
S105	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	14+11	33.9 RT	648.42					60260400	
S106	MANHOLES TO BE ADJUSTED	14+53	39.6 RT	648.46					60255500	
S107	MANHOLES TO BE ADJUSTED	15+47	40.6 RT	647.95					60255500	
S108	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	15+51	36.8 RT	647.38					60250500	
S109	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	15+51	32.8 RT	647.57					60250500	
S110	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	15+51	29.9 RT	647.64			643.04	643.04	60240328	
S111	MANHOLES TO BE ADJUSTED	15+89	44.5 RT	647.83					60255500	
S200	INLETS TO BE ADJUSTED WITH NEW TYPE 4 FRAME AND GRATE	16+89	36.9 RT	646.97					60260600	
S201	MANHOLES TO BE ADJUSTED	16+91	32.6 RT	647.03					60255500	
S202	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	16+91	43.2 RT	646.70					60260400	
S203	MANHOLES TO BE ADJUSTED	18+51	40.8 RT	647.26					60255500	
S204	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	18+46	31.9 RT	646.72	642.96				60235800	
S205	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	18+57	38.4 RT	646.31	642.87	642.90			60240215	1
S206	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	19+53	38.8 RT	646.36	642.64	642.48	642.64		60250500	
S207	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	19+58	31.7 RT	646.70				642.69	60235800	
S208	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	20+54	38.2 RT	646.47	642.99	642.99	643.05		60250500	
S209	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	20+60	31.6 RT	646.71				643.10	60235800	
S210	INLETS, TYPE B, TYPE 4 FRAME AND GRATE	21+50	38.0 RT	646.34	643.45	643.42			60240225	1
S211	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	21+60	31.1 RT	646.70				643.52	60235800	
S300	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	23+47	30.9 RT	646.80				640.82	60235800	
S301	INLETS, TYPE B, TYPE 4 FRAME AND GRATE	23+58	37.6 RT	646.52	640.70	640.75			60240225	1
S302	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	24+33	37.3 RT	646.73	643.39	643.39	643.45		60260400	
S303	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	24+49	30.1 RT	647.06				643.53	60235800	
S304	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	26+02	36.9 RT	646.66					60260400	
S305	INLETS, TYPE B, TYPE 4 FRAME AND GRATE	26+02	26.9 RT	647.00			644.18	644.19	60240225	
S400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	29+02	37.8 RT	647.11					60260400	
S401	INLETS, TYPE B, TYPE 4 FRAME AND GRATE	29+02	30.2 RT	647.42			642.81	642.81	60240225	
S402	MANHOLES TO BE ADJUSTED	30+69	29.7 RT	647.73					60255500	
S403	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	32+55	38.2 RT	646.87					60260400	
S404	INLETS TO BE ADJUSTED WITH NEW TYPE 4 FRAME AND GRATE	32+55	30.1 RT	647.24					60260600	
S500	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	34+01	38.4 RT	646.58					60240215	
S501	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	34+05	32.7 RT	646.74					60250400	
S502	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	35+54	38.8 RT	645.96					60260400	
S503	INLETS, TYPE B, TYPE 4 FRAME AND GRATE	35+54	31.5 RT	646.22			642.81	642.81	60240225	
S504	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	37+18	31.7 RT	645.67				641.66	60235800	
S505	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	37+28	38.9 RT	645.18	641.58		641.60		60240215	1
S506	MANHOLES TO BE ADJUSTED	38+15	32.7 RT	645.20					60255500	
S507	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	38+89	38.7 RT	644.76					60260400	

MODEL: Drain  
 FILE NAME: \\NORTHHERO\COOK\2022\CHM\DRN\_SCH\_01\_230223.dwg

USER NAME = mmkshelwicz	DESIGNED - MLM	REVISED -
PLOT SCALE = 40'	DRAWN - MLM/KC	REVISED -
PLOT DATE = 7/3/2024	CHECKED - BL	REVISED -
	DATE - 12/20/2023	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY  
 SCHEDULES

SCALE: SHEET 1 OF XX SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	61
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE SCHEDULE										
STR. NO.	STRUCTURE TYPE	STA.	OFFSET	RIM	INV (N)	INV (S)	INV (W)	INV (E)	PAY ITEM	EX. STR. TO BE REMOVED
S508	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	38+88	32.1 RT	644.93					60250400	
S600	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	40+42	38.7 RT	644.04					60260400	
S601	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	40+52	30.8 RT	644.34					60250400	
S602	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	42+02	38.5 RT	643.29	637.53		637.55		60260400	1
S603	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	42+02	31.5 RT	643.69				637.59	60235800	
S604	MANHOLES TO BE ADJUSTED	42+31	29.1 RT	643.74	639.34	639.22	639.34	639.32 (NE)	60255500	
S605	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	42+45	31.8 RT	643.65		639.41			60235800	
S606	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	42+37	38.8 RT	643.43					60260400	
S607	INLETS, TYPE B, TYPE 4 FRAME AND GRATE	44+79	31.2 RT	643.85			637.63	637.63	60240225	
S608	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	44+79	34.6 RT	643.57					60260400	
S609	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	45+76	34.9 RT	644.10			640.41	640.40	60260400	
S610	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	45+76	32 RT	644.19				640.43	60237470	
S611	MANHOLES TO BE ADJUSTED	45+93	29.3 RT	644.42					60255500	
S700	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	47+04	35.3 RT	644.92	637.14	637.14	641.96		60260400	
S701	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	47+10	31.4 RT	645.13				642.00	60237470	
S702	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	48+33	35.7 RT	645.17		642.11 (SE)	642.13		60260400	1
S703	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	48+39	31.1 RT	645.67				642.17	60237470	
S704	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	50+43	35.4 RT	646.75			643.71	643.69	60260400	
S705	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	50+49	30.8 RT	647.04				643.67	60237470	
S706	INLETS TO BE ADJUSTED	51+08	61.4 RT	647.17					60260100	
S707	CATCH BASINS TO BE ADJUSTED	51+70	59.8 RT	647.23					60250200	
S708	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	51+91	35.3 RT	647.97				645.91	60237470	
S709	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	51+91	37.4 RT	648.00		654.87 (SE)	645.90		60260400	1
S800	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	52+54	35.4 RT	647.97					60260400	
S801	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	52+53	27.6 RT	648.40					60237470	
S802	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	53+87	27.2 RT	649.08				646.25	60237470	
S803	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	53+87	35.6 RT	648.70		646.18	646.20		60260400	
S804	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	54+92	27.3 RT	649.56				645.74	60237470	
S805	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	54+98	34.8 RT	649.26	645.64		645.69		60260400	1
S806	MANHOLES TO BE ADJUSTED	56+07	24.2 RT	650.11					60255500	
S807	MANHOLES TO BE ADJUSTED	56+15	38.2 RT	649.47					60255500	
S808	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	56+25	35.1 RT	650.37					60250500	
S809	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	56+34	27.1 RT	650.21			645.98	645.98	60240328	
S810	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	56+37	32.7 RT	649.91					60260300	
S811	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	56+63	38.6 RT	649.46					60250500	
S812	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	57+62	31.8 RT	651.02	647.02	646.98	647.05		60240215	1
S813	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	57+67	26.9 RT	650.74				647.09	60237470	
S814	CATCH BASINS TO BE ADJUSTED	57+70	38.7 RT	650.45					60250200	
S900	INLETS TO BE ADJUSTED	60+31	31.2 RT	649.79					60260100	
S901	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	61+00	34.4 RT	649.55	645.63		645.65		60240215	1
S902	INLETS TO BE ADJUSTED	62+13	22.0 RT	648.52					60260100	

MODEL: D:\mkt\...  
FILE NAME: ILLINOIS\COOK\2023\COOK\DRN\_SCH\_02\_230223.dwg

USER NAME = mmmkholowicz	DESIGNED - MLM	REVISED -
PLOT SCALE = 40'	DRAWN - MLM/KC	REVISED -
PLOT DATE = 7/3/2024	CHECKED - BL	REVISED -
	DATE - 12/20/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY  
SCHEDULES

SCALE: SHEET 1 OF XX SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	62
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE SCHEDULE										
STR. NO.	STRUCTURE TYPE	STA.	OFFSET	RIM	INV (N)	INV (S)	INV (W)	INV (E)	PAY ITEM	EX. STR. TO BE REMOVED
S1000	INLETS TO BE ADJUSTED	64+48	19.9 RT	646.69					60260100	
S1001	MANHOLES TO BE ADJUSTED	66+96	20.3 RT	644.72					60255500	
S1002	INLETS TO BE ADJUSTED	68+88	19.8 RT	643.16					60260100	
S1003	INLETS TO BE ADJUSTED	69+57	19.4 RT	643.07					60260100	
S1004	MANHOLES TO BE ADJUSTED	69+84	17.5 RT	643.19					60255500	
S1100	MANHOLES TO BE ADJUSTED	70+85	44.0 RT	643.03					60255500	
S1101	INLETS TO BE ADJUSTED	71+98	19.5 RT	643.17					60260100	
S1102	MANHOLES TO BE ADJUSTED	72+13	19.3 RT	643.12					60255500	
S1103	MANHOLES TO BE ADJUSTED	71+98	44.7 RT	642.98					60255500	
S1104	MANHOLES TO BE ADJUSTED	72+12	45.9 RT	643.16					60255500	
S1105	MANHOLES TO BE ADJUSTED	72+22	45.3 RT	643.31					60255500	
S1106	MANHOLES TO BE ADJUSTED	72+69	13.8 RT	643.07					60255500	
S1107	INLETS TO BE ADJUSTED	73+81	19.8 RT	642.24					60260100	
S1108	CATCH BASINS TO BE ADJUSTED	74+38	19.4 RT	642.08					60250200	
S1109	CATCH BASINS TO BE ADJUSTED	74+47	19.4 RT	641.97					60250200	1
S1110	CATCH BASINS TO BE ADJUSTED	74+28	19.0 RT	642.17					60250200	1
S1111	INLETS TO BE ADJUSTED	75+13	20.2 RT	641.65					60260100	
S1112	CATCH BASINS TO BE ADJUSTED	75+22	19.5 RT	641.71					60250200	
S1113	MANHOLES TO BE ADJUSTED	75+41	12.8 RT	642.01					60255500	
S1114	CATCH BASINS TO BE ADJUSTED	75+45	29.6 RT	641.85					60250200	
S1115	MANHOLES TO BE ADJUSTED	75+29	45.8 RT	642.04					60255500	
S1200	INLETS TO BE ADJUSTED	76+13	20.2 RT	642.01					60260100	
S1201	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	77+64	31.6 RT	641.81					60250500	
S1202	MANHOLES TO BE ADJUSTED	77+66	35.1 RT	641.26					60255500	
S1203	MANHOLES TO BE ADJUSTED	77+64	13.5 RT	642.45					60255500	
S1204	INLETS TO BE ADJUSTED	77+71	19.4 RT	642.19					60260100	
S1205	INLETS TO BE ADJUSTED	78+31	19.8 RT	642.07					60260100	
S1206	INLETS TO BE ADJUSTED	78+38	19.2 RT	642.07					60260100	
S1207	MANHOLES TO BE ADJUSTED	79+34	15.3 RT	642.41					60255500	
S1208	MANHOLES TO BE ADJUSTED	79+77	25.6 RT	642.49					60255500	
S1209	MANHOLES TO BE ADJUSTED	79+93	16.4 RT	642.21					60255500	
S1210	INLETS TO BE ADJUSTED	79+98	19.6 RT	641.94					60260100	
S1211	INLETS TO BE ADJUSTED	80+68	19.6 RT	641.79					60260100	
S1212	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	80+82	18.8 RT	641.91					60260400	
S1213	INLETS TO BE ADJUSTED	81+58	19.5 RT	642.02					60260100	

MODEL: Drain  
 FILE NAME: W:\NORTHHERO\02\2023\CM\DRN\_SCH\_03\_23023.dwg

USER NAME = mmkchelwitz	DESIGNED - MLM	REVISED -
PLOT SCALE = 40'	DRAWN - MLM/KC	REVISED -
PLOT DATE = 7/3/2024	CHECKED - BL	REVISED -
	DATE - 12/20/2023	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY  
 SCHEDULES

SCALE: SHEET 1 OF XX SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	63
CONTRACT NO. 61K70			ILLINOIS FED. AID PROJECT	

DRAINAGE STRUCTURE SCHEDULE										
STR. NO.	STRUCTURE TYPE	STA.	OFFSET	RIM	INV (N)	INV (S)	INV (W)	INV (E)	PAY ITEM	EX. STR. TO BE REMOVED
S1300	INLETS TO BE ADJUSTED	82+36	19.0 RT	642.24					60260100	
S1301	INLETS TO BE ADJUSTED	82+87	19.1 RT	642.45					60260100	
S1302	INLETS TO BE ADJUSTED	83+46	19.0 RT	642.78					60260100	
S1303	INLETS TO BE ADJUSTED	84+05	18.4 RT	643.03					60260100	
S1304	INLETS TO BE ADJUSTED	84+35	36.7 RT	642.65					60260100	
S1305	INLETS TO BE ADJUSTED	84+64	30.1 RT	642.91					60260100	
S1306	INLETS TO BE ADJUSTED	84+73	18.4 RT	643.46					60260100	
S1307	MANHOLES TO BE ADJUSTED	85+59	11.8 RT	643.95					60255500	
S1308	INLETS TO BE ADJUSTED	86+12	32.7 RT	643.07					60260400	
S1309	MANHOLES TO BE ADJUSTED	86+37	19.0 RT	643.65					60255500	
S1310	INLETS TO BE ADJUSTED	86+57	18.2 RT	643.49					60260100	
S1311	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	86+93	28.0 RT	643.22					60260400	
S1312	INLETS TO BE ADJUSTED	87+21	18.0 RT	643.34					60260100	1
S1313	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	87+58	29.2 RT	643.03					60260400	
S1314	INLETS TO BE ADJUSTED	87+88	18.6 RT	643.08					60260100	
S1315	INLETS TO BE ADJUSTED	87+97	18.5 RT	643.06					60260100	
S1400	INLETS TO BE ADJUSTED	88+72	29.1 RT	643.06					60260100	

MODEL: Drain  
 FILE NAME: \\NORTHHERO\0612023\CM\DRN\_SCH\_04\_23023.dwg

USER NAME = mmkchelwitz	DESIGNED - MLM	REVISED -
	DRAWN - MLM/KC	REVISED -
PLOT SCALE = 40'	CHECKED - BL	REVISED -
PLOT DATE = 7/3/2024	DATE - 12/20/2023	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY SCHEDULES	
SCALE:	SHEET 1 OF XX SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	64
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



STORM SEWER SCHEDULE								
PIPE NO.	FROM	TO	LENGTH (FT)	DIA. (IN)	PIPE TYPE	SLOPE (%)	TRENCH BACKFILL (CY)	PAY ITEM
P200	S204	S205	13	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.46	1.70	550A0340
P201	S207	S206	10	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	1.30	550A0340
P202	S209	S208	10	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	1.30	550A0340
P203	S211	S210	13	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.77	1.70	550A0340
P300	S300	S301	14	12	STORM SEWERS, CLASS A, TYPE 1 12"	0.50	4.50	550A0050
P301	S303	S302	18	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.44	2.40	550A0340
P500	S504	S505	13	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.46	1.70	550A0340
P600	S603	S602	8	12	STORM SEWERS, CLASS A, TYPE 1 12"	0.50	2.60	550A0050
P601	S605	S604	15	12	STORM SEWERS, CLASS A, TYPE 1 12"	0.47	2.30	550A0050
P602	S610	S609	4	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	0.50	550A0340
P700	S701	S700	8	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	1.10	550A0340
P701	S703	S702	8	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	1.10	550A0340
P702	S704	S705	8	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	1.10	550A0340
P703	S708	S709	2	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	0.20	550A0340
P800	S802	EX	11	12	STORM SEWERS, CLASS A, TYPE 1 12"	0.45	1.50	550A0050
P801	S804	S805	10	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.50	1.30	550A0340
P802	S813	S812	7	12	STORM SEWERS, CLASS A, TYPE 2 12"	0.57	0.90	550A0340
<b>TRENCH BACKFILL TOTAL</b>							<b>28</b>	<b>20800150</b>

FIRE HYDRANT TO BE RELOCATED				
SHEET	STRUCTURE TYPE	STATION	OFFSET	PAY ITEM
DRAINAGE SHEET 8	FIRE HYDRANTS TO BE RELOCATED	52+50	31.0 RT	56400400
DRAINAGE SHEET 8	FIRE HYDRANTS TO BE RELOCATED	55+50	31.8 RT	56400400
DRAINAGE SHEET 9	FIRE HYDRANTS TO BE RELOCATED	58+51	32.7 RT	56400400
DRAINAGE SHEET 10	FIRE HYDRANTS TO BE RELOCATED	64+53	30.6 RT	56400400
DRAINAGE SHEET 11	FIRE HYDRANTS TO BE RELOCATED	70+59	27.1 RT	56400400
DRAINAGE SHEET 11	FIRE HYDRANTS TO BE RELOCATED	73+47	28.4 RT	56400400
DRAINAGE SHEET 12	FIRE HYDRANTS TO BE RELOCATED	76+43	26.1 RT	56400400
DRAINAGE SHEET 12	FIRE HYDRANTS TO BE RELOCATED	78+97	24.4 RT	56400400
DRAINAGE SHEET 12	FIRE HYDRANTS TO BE RELOCATED	81+50	36.6 RT	56400400

MODEL: Drain  
FILE NAME: I:\NORTHHERO\2023\CHM\DRN\_SCH\_05\_230023.dwg

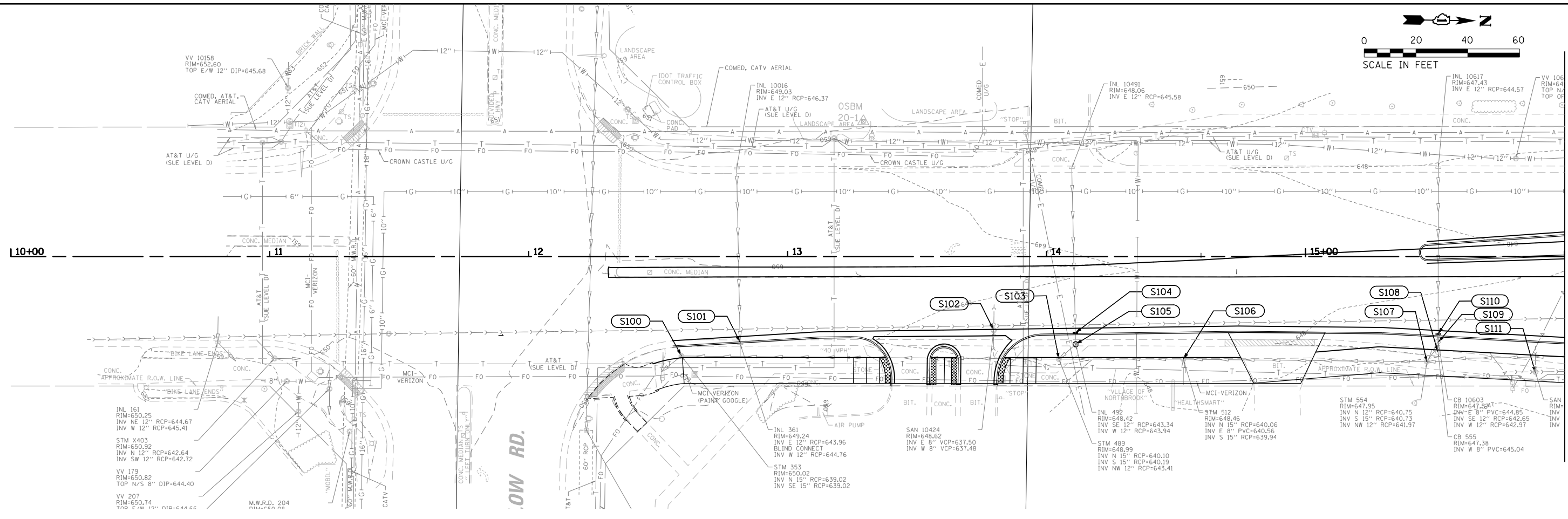
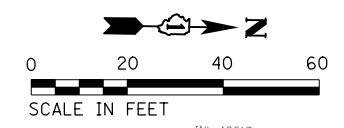
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	DRAWN - MLM/KC	REVISED -
PLOT SCALE = 40'	CHECKED - BL	REVISED -
PLOT DATE = 7/3/2024	DATE - 12/20/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY  
SCHEDULES

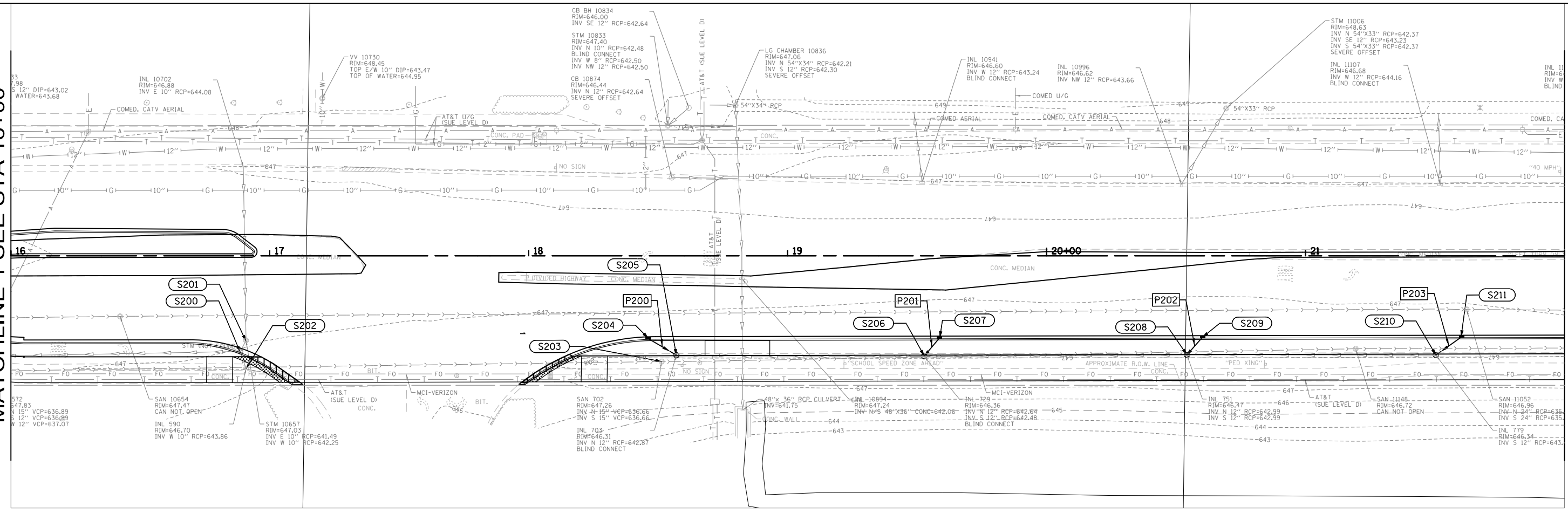
SCALE: SHEET 1 OF XX SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	65
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



MATCHLINE 1 SEE STA 16+00

MATCHLINE 1 SEE STA 16+00



MATCHLINE 2 SEE STA 22+00

USER NAME = mmlchlowicz	DESIGNED - MLM	REVISED -
DRAWN - MLM/KC	REVISED -	
CHECKED - BL	REVISED -	
DATE - 12/20/2023	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

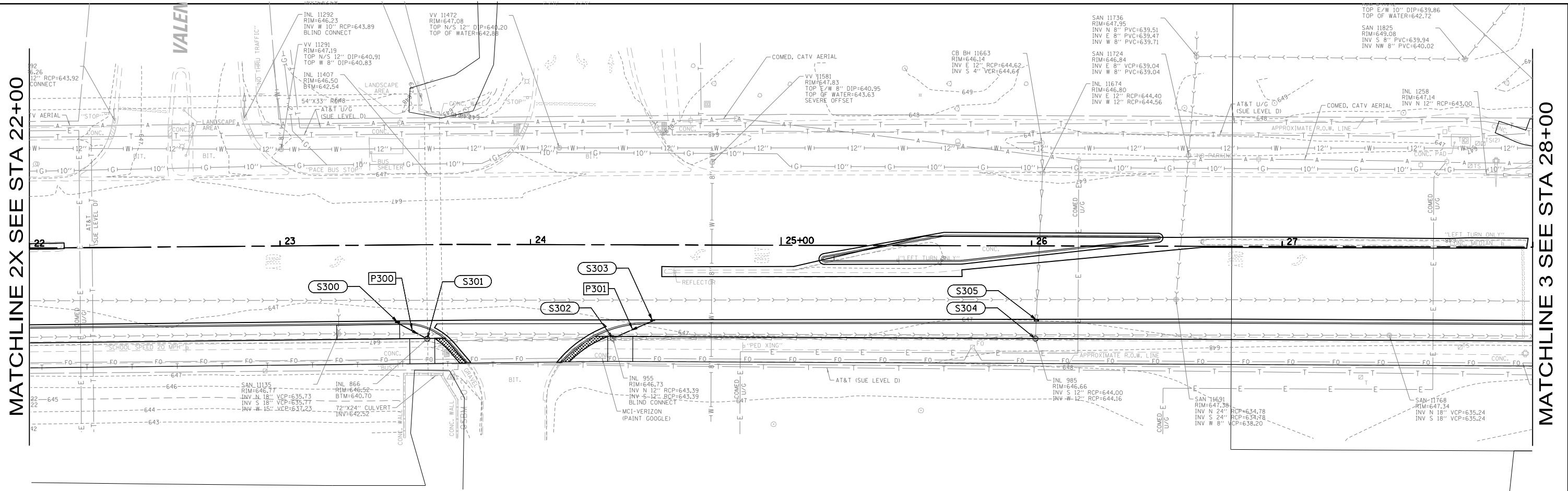
<b>DRAINAGE AND UTILITY PLANS</b>	
SCALE:	SHEET OF XX SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	180	66
CONTRACT NO. 61K70				
		ILLINOIS	FED. AID PROJECT	

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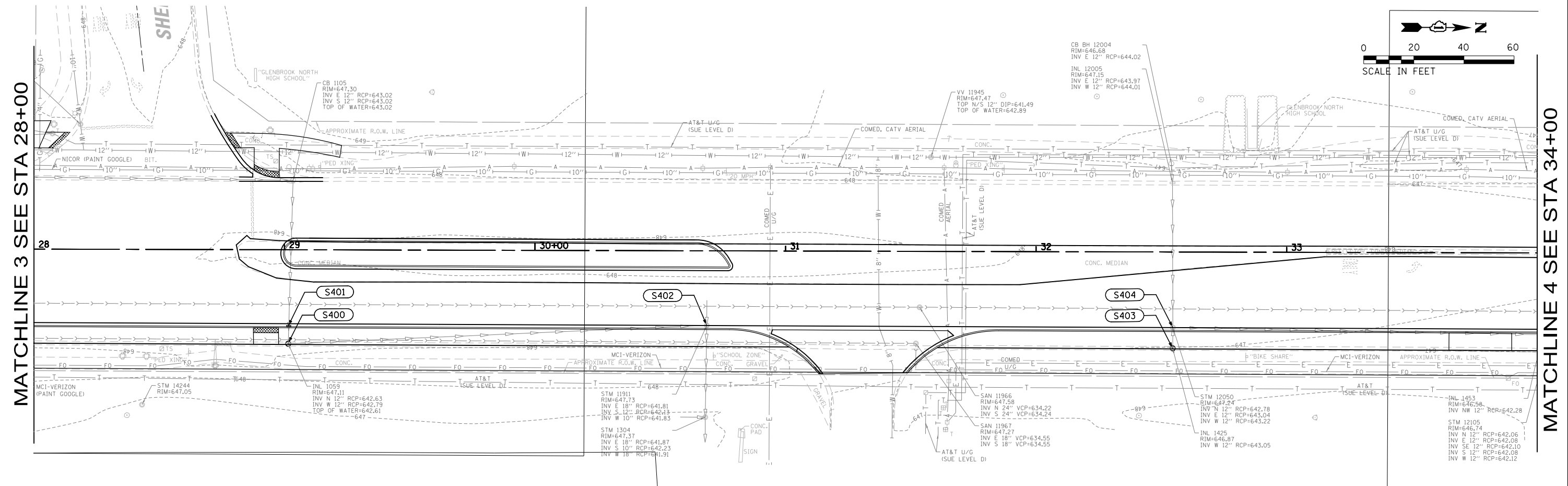
MATCHLINE 2X SEE STA 22+00

MATCHLINE 3 SEE STA 28+00



MATCHLINE 3 SEE STA 28+00

MATCHLINE 4 SEE STA 34+00



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USER NAME = mmlchowicz	DESIGNED - MLM	REVISED -
PLOT SCALE = 40'	DRAWN - MLM/KC	REVISED -
PLOT DATE = 7/3/2024	CHECKED - BL	REVISED -
	DATE - 12/20/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY  
PLANS

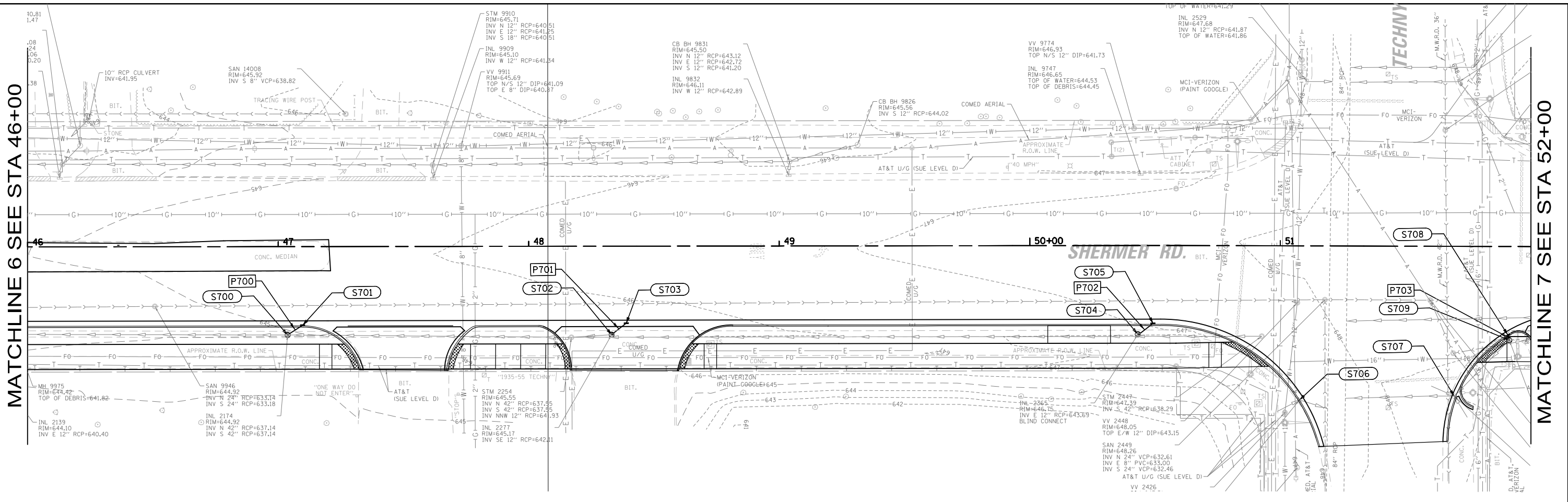
SCALE: SHEET OF XX SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	180	67
CONTRACT NO. 61K70				
ILLINOIS		FED. AID PROJECT		



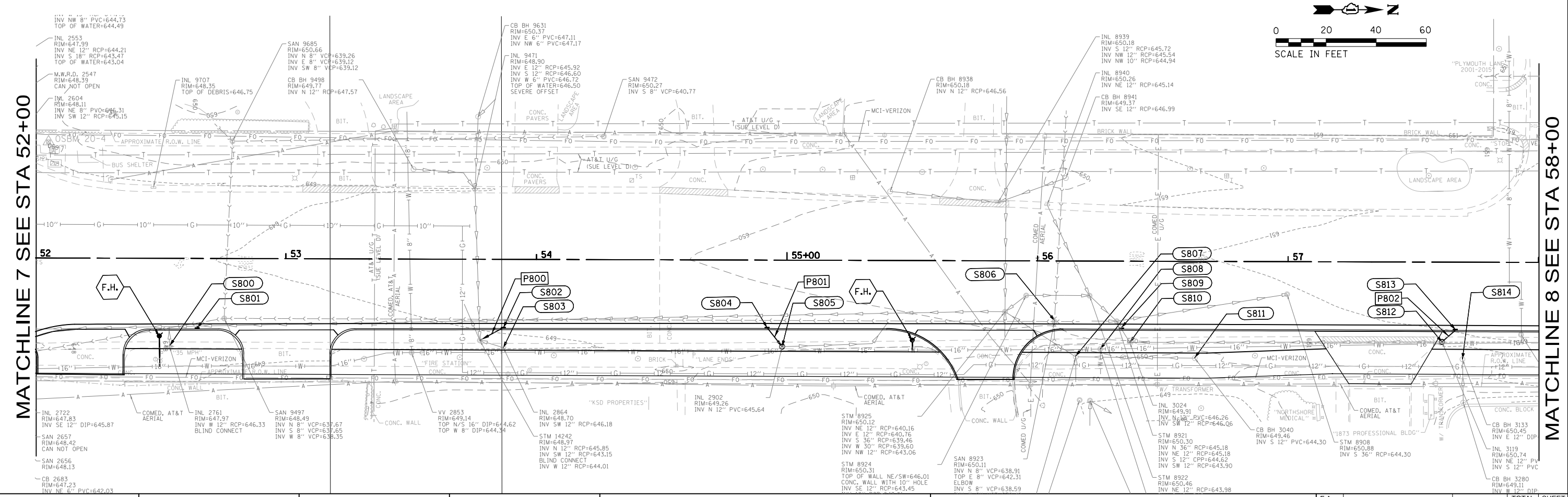
MATCHLINE 6 SEE STA 46+00

MATCHLINE 7 SEE STA 52+00



MATCHLINE 7 SEE STA 52+00

MATCHLINE 8 SEE STA 58+00



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USER NAME = mmlchewicz	DESIGNED - MLM	REVISED -
DRAWN - MLM/KC	REVISED -	
PLOT SCALE = 40'	CHECKED - BL	REVISED -
PLOT DATE = 7/3/2024	DATE - 12/20/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

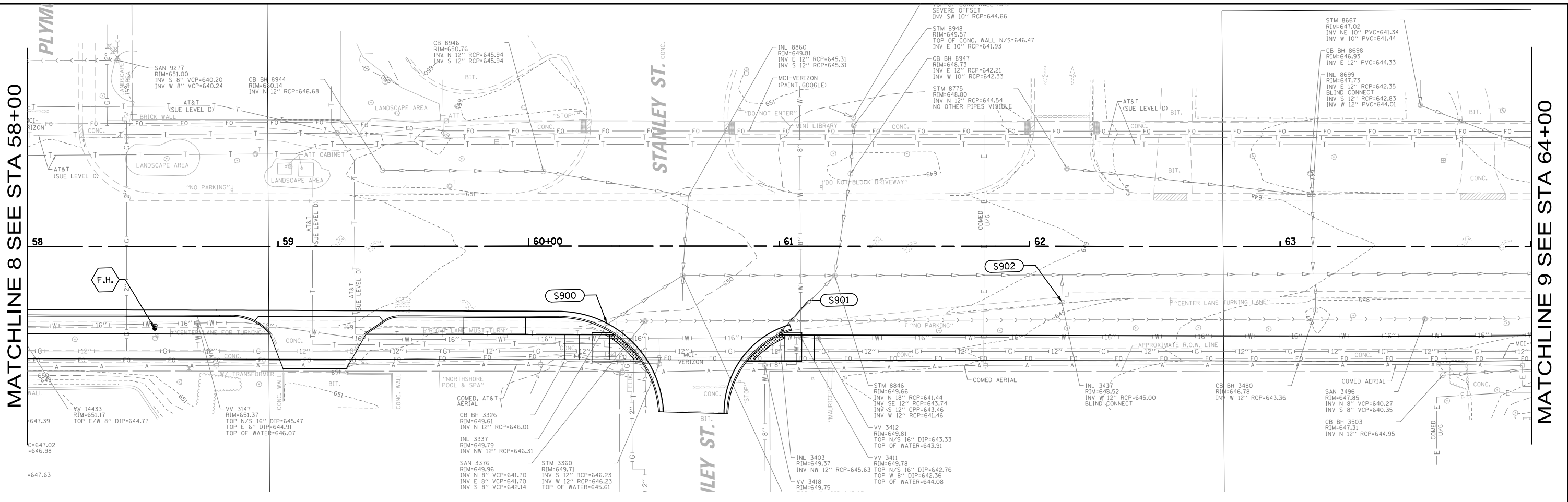
**DRAINAGE AND UTILITY  
PLANS**

SCALE:      SHEET      OF XX SHEETS      STA.      TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	180	69
CONTRACT NO. 61K70				
ILLINOIS		FED. AID PROJECT		

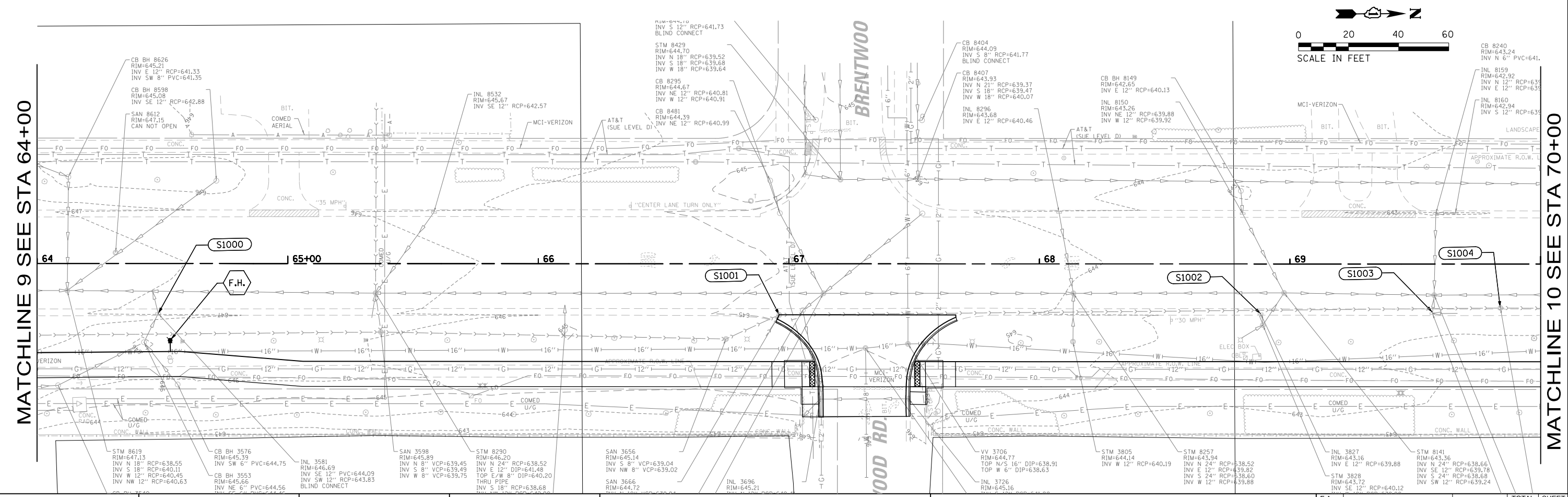
MATCHLINE 8 SEE STA 58+00

MATCHLINE 9 SEE STA 64+00



MATCHLINE 9 SEE STA 64+00

MATCHLINE 10 SEE STA 70+00



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USER NAME = mmkchabwicz	DESIGNED - MLM	REVISED -
	DRAWN - MLM/KC	REVISED -
PLOT SCALE = 40'	CHECKED - BL	REVISED -
PLOT DATE = 7/3/2024	DATE - 12/20/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

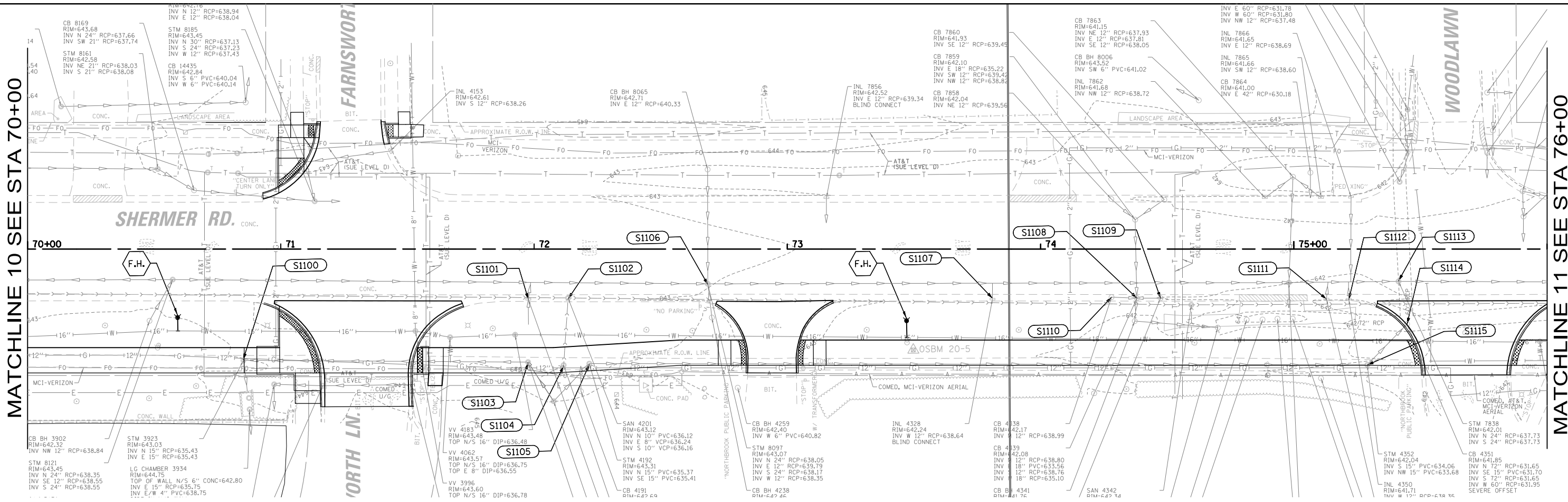
DRAINAGE AND UTILITY  
PLANS

SCALE: SHEET OF XX SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	180	70
CONTRACT NO. 61K70				
ILLINOIS		FED. AID PROJECT		

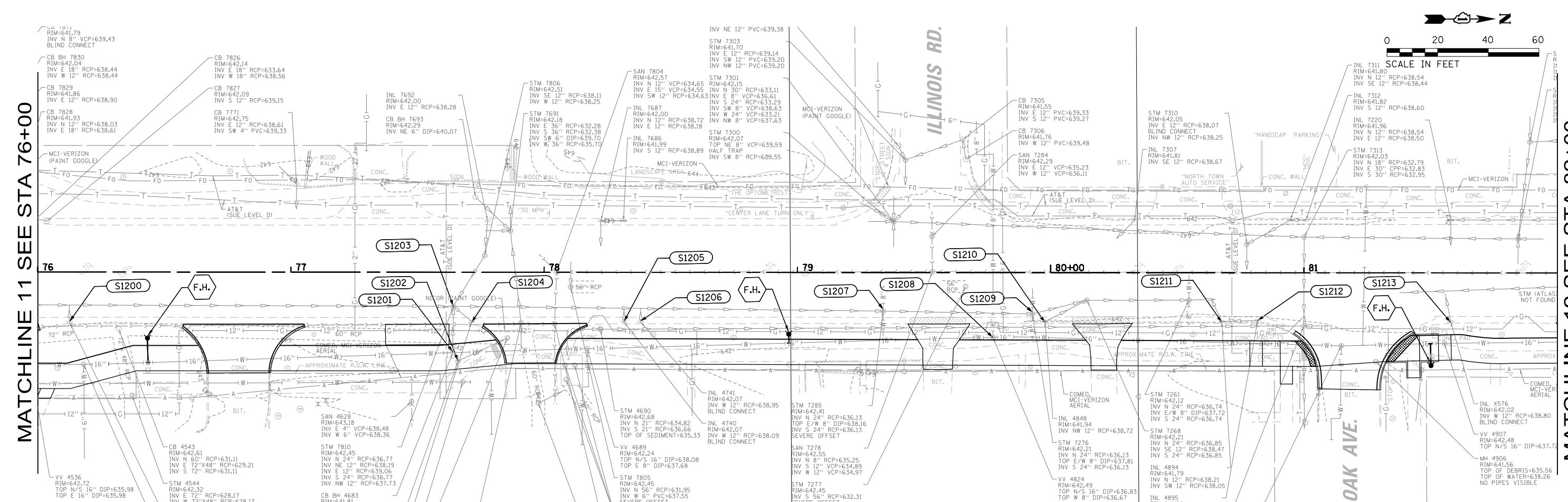
MATCHLINE 10 SEE STA 70+00

MATCHLINE 11 SEE STA 76+00



MATCHLINE 11 SEE STA 76+00

MATCHLINE 12 SEE STA 82+00



MODEL: D:\mkt\...  
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USER NAME = mmkhalowicz	DESIGNED - MLM	REVISED -
DRAWN - MLM/KC	REVISIONS -	
PLOT SCALE = 40'	CHECKED - BL	REVISED -
PLOT DATE = 7/3/2024	DATE - 12/20/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF XX SHEETS	STA.	TO STA.

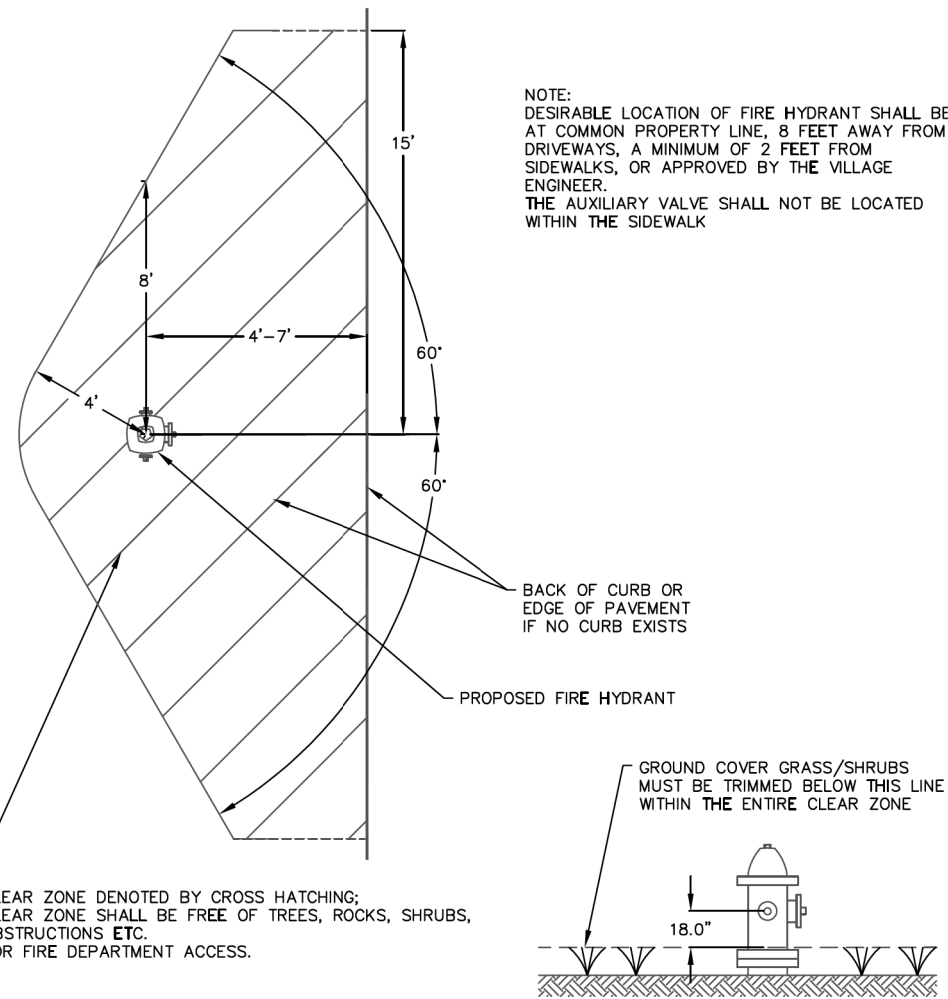
DRAINAGE AND UTILITY  
PLAN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	180	71
CONTRACT NO. 61K70				
ILLINOIS		FED. AID PROJECT		



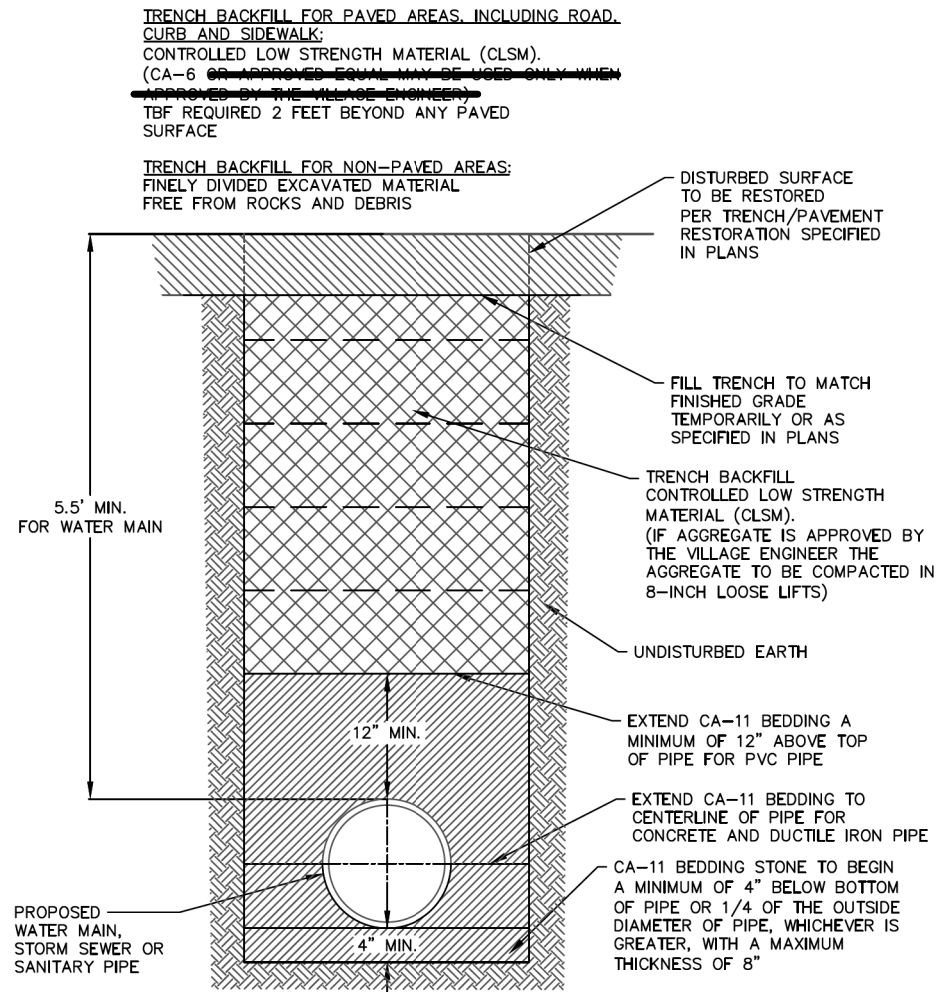






**FIRE HYDRANT CLEARANCE DETAIL**

Village of Northbrook Public Works Department	DATE	REVISIONS	<b>STANDARD DETAIL</b> W-2 <small>(Sheet 1 of 1)</small>
	1-9-19	Revised Notes	
	4-1-21	Revised Notes	



MIX 1	
PORTLAND CEMENT	50 LB (30 KG)
FLY ASH - CLASS C or F	125 LB (74 KG)
FINE AGGREGATE - SATURATED SURFACE DRY	2900 LB (1720 KG)
WATER	50-65 GAL (248-322 L)
AIR CONTENT	NO AIR IS ENTRAINED

**TYPICAL TRENCH AND BEDDING DETAIL**

Village of Northbrook Public Works Department	DATE	REVISIONS	<b>STANDARD DETAIL</b> W-11 (02) <small>(Sheet 1 of 1)</small>
	1-9-19	Consolidated Trench Details	
	5-12-22	Controlled Low Strength Material	

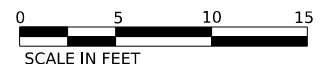
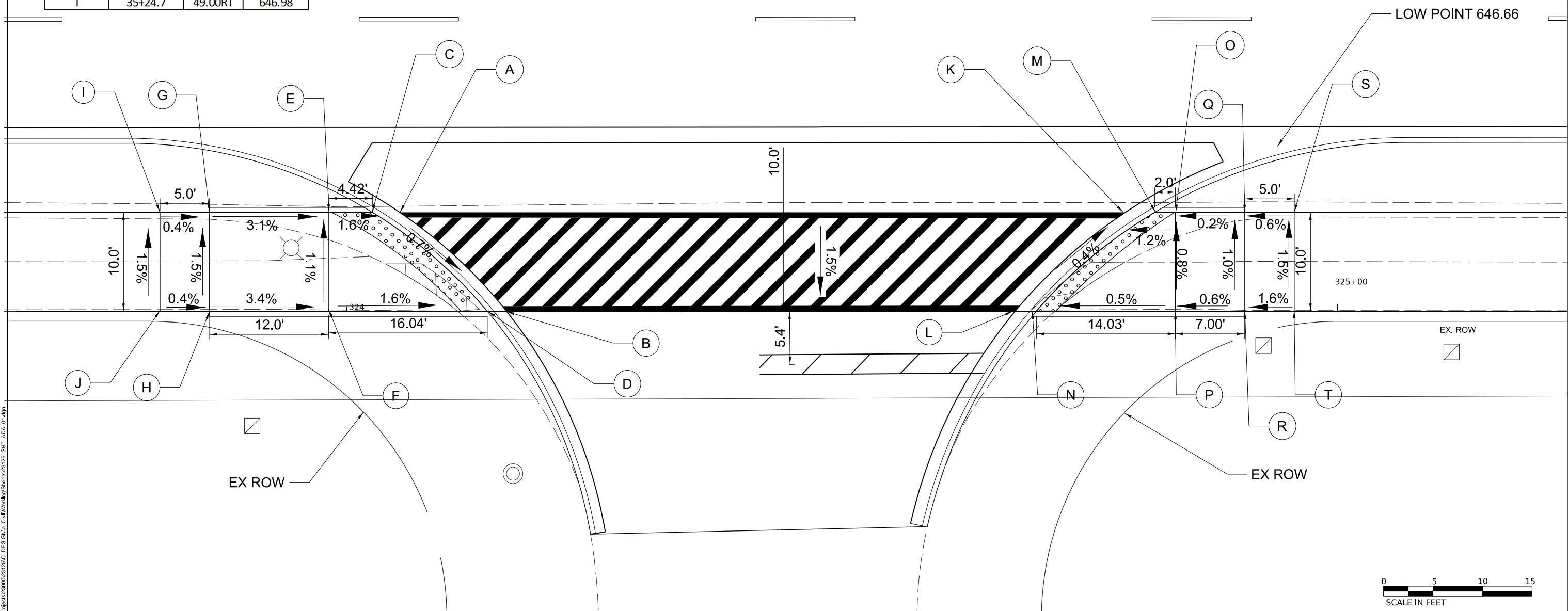


	STATION	OFFSET	ELEVATION
A	34+34.4	39.00RT	647.23
B	34+45.2	49.00RT	647.15
C	34+31.6	39.00RT	647.23
D	34+43.2	49.00RT	647.15
E	34+27.2	39.00RT	647.30
F	34+27.2	49.00RT	647.41
G	34+15.2	39.00RT	647.67
H	34+15.2	49.00RT	647.82
I	34+10.2	39.00RT	647.69
J	34+10.2	49.00RT	647.84
K	35+07.6	39.00RT	646.76
L	34+96.5	49.00RT	646.80
M	35+10.6	39.00RT	646.76
N	35+00.6	49.00RT	646.79
O	35+12.7	39.00RT	646.79
P	35+12.7	49.00RT	646.86
Q	35+19.7	39.00RT	646.80
R	35+19.7	49.00RT	646.90
S	35+24.7	39.00RT	646.83
T	35+24.7	49.00RT	646.98

SHERMER RD

ONLY

LOW POINT 646.66



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 CHECKED: JRK  
 DATE: 07/09/2024



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DATE - 07/09/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

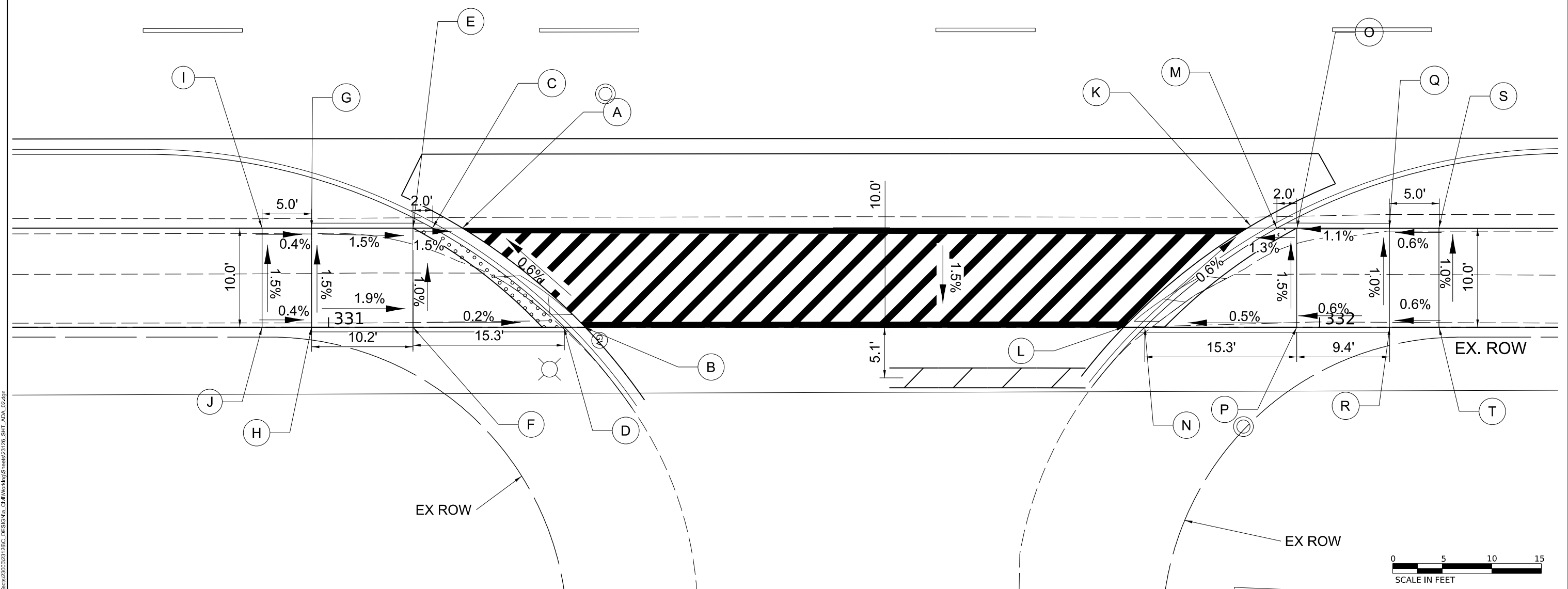
SIDWALK AND ADA DETAILS  
RAYMOND DR

SCALE: 1"=5'    SHEET 1 OF 9 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	75
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	41+42.5	39.00RT	644.40
B	41+54.9	49.00RT	644.50
C	41+39.5	39.00RT	644.40
D	41+52.8	49.00RT	644.50
E	41+37.5	39.00RT	644.43
F	41+37.5	49.00RT	644.53
G	41+27.3	39.00RT	644.58
H	41+27.3	49.00RT	644.73
I	41+22.3	39.00RT	644.60
J	41+22.3	49.00RT	644.75
K	42+21.7	39.00RT	644.15
L	42+09.3	49.00RT	644.25
M	42+24.7	39.00RT	644.15
N	42+11.4	49.00RT	644.25
O	42+26.7	39.00RT	644.18
P	42+26.7	49.00RT	644.33
Q	42+36.1	39.00RT	644.28
R	42+36.1	49.00RT	644.38
S	42+41.1	39.00RT	644.31
T	42+41.1	49.00RT	644.41



MODEL: D:\data\...  
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 DATE: 07/09/2024



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DRAWN -	CC	REVISED -	
CHECKED -	JRK	REVISED -	
DATE -	07/09/2024	REVISED -	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

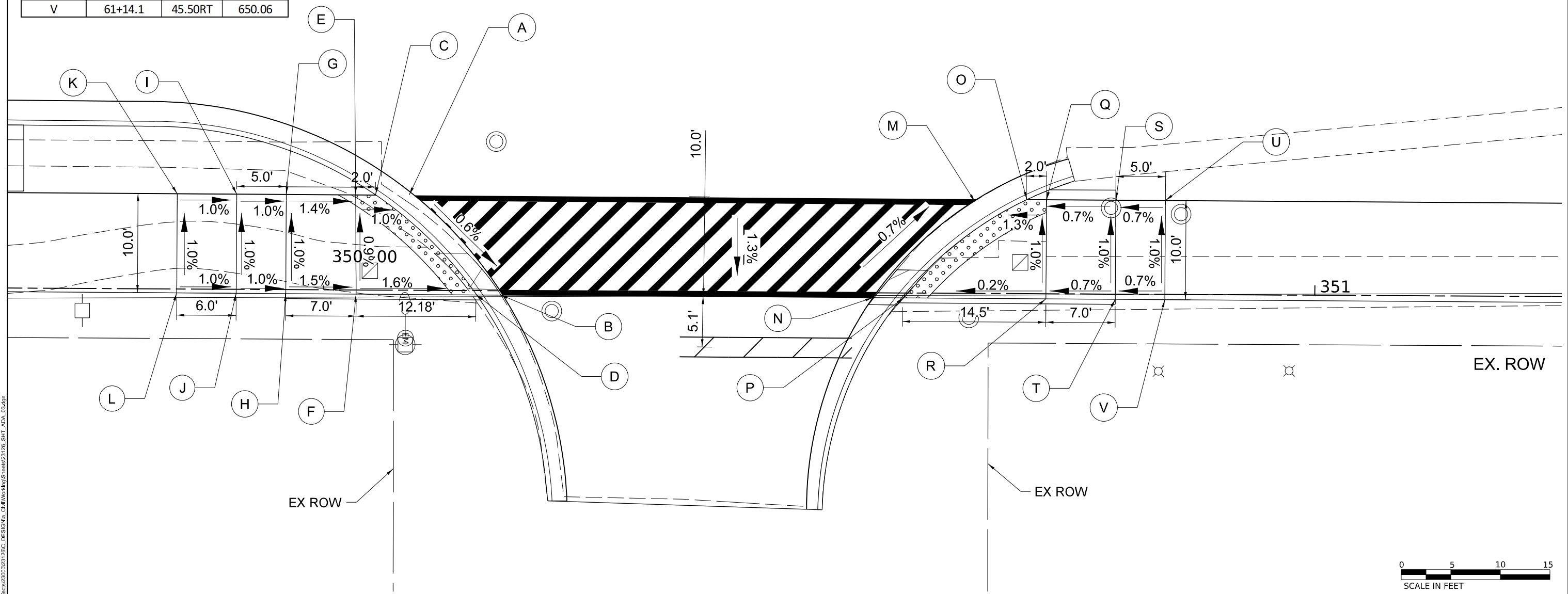
**SIDEWALK AND ADA DETAILS**  
**JANKE DR**

SCALE: 1"=5'    SHEET 2 OF 9 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	76
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	60+38.3	35.40RT	650.35
B	60+47.3	45.40RT	650.27
C	60+34.4	35.40RT	650.35
D	60+44.6	45.40RT	650.27
E	60+32.3	35.40RT	650.37
F	60+32.3	45.40RT	650.46
G	60+25.3	35.40RT	650.47
H	60+25.3	45.40RT	650.57
I	60+20.3	35.40RT	650.52
J	60+20.3	45.40RT	650.62
K	60+14.3	35.40RT	650.58
L	60+14.3	45.40RT	650.68
M	60+95.0	35.50RT	649.85
N	60+84.6	45.50RT	649.95
O	61+00.08	35.50RT	649.85
P	60+87.5	45.50RT	649.95
Q	61+02.1	35.50RT	649.83
R	61+02.1	45.50RT	649.98
S	61+09.1	35.50RT	649.92
T	61+09.1	45.50RT	650.02
U	61+14.1	35.50RT	649.96
V	61+14.1	45.50RT	650.06



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DATE -	07/09/2024	REVISED -	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIDWALK AND ADA DETAILS**  
**STANLEY ST**

SCALE: 1"=5'    SHEET 3 OF 9 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	77
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



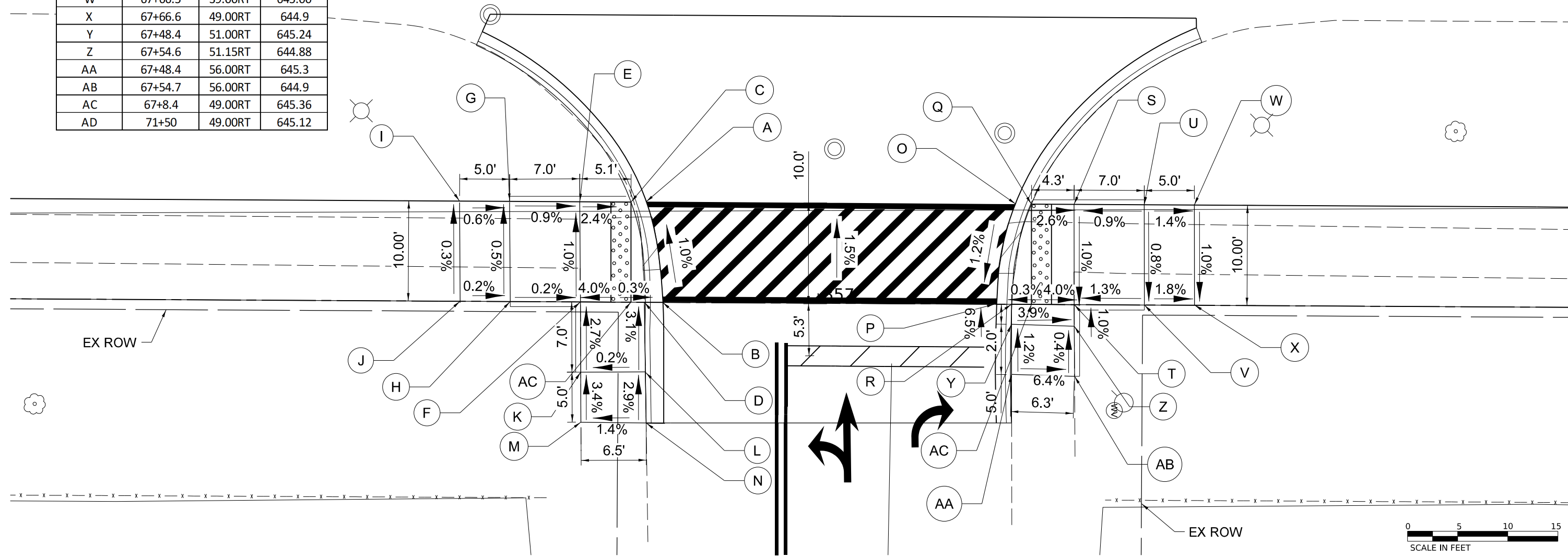
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B	67+13.6	49.00RT	645.14
C	67+10.3	39.00RT	645.3
D	67+11.7	49.00RT	645.365
E	67+05.2	39.00RT	645.18
F	67+05.3	49.00RT	645.28
G	66+98.2	39.00RT	645.24
H	66+98.3	49.00RT	645.29
I	66+93.2	39.00RT	645.27
J	66+93.3	49.00RT	645.3
K	67+05.4	56.01RT	645.47
L	67+11.9	55.95RT	645.58
M	67+05.4	61.01RT	645.64
N	67+12.0	61.05RT	645.73
O	67+48.7	39.00RT	644.8
P	67+46.9	49.00RT	645.10
Q	67+50.3	39.00RT	645.122
R	67+48.4	49.00RT	645.11
S	67+54.5	39.00RT	645.01
T	67+54.5	49.00RT	644.86
U	67+61.5	39.00RT	645.07
V	67+61.6	49.00RT	644.99
W	67+66.5	39.00RT	645.00
X	67+66.6	49.00RT	644.9
Y	67+48.4	51.00RT	645.24
Z	67+54.6	51.15RT	644.88
AA	67+48.4	56.00RT	645.3
AB	67+54.7	56.00RT	644.9
AC	67+8.4	49.00RT	645.36
AD	71+50	49.00RT	645.12

ANNEX

67

68

SHERMER RD



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DATE -	07/09/2024	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDWALK AND ADA DETAILS  
BRENTWOOD RD**

SCALE: 1"=5'    SHEET 4 OF 9 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	78
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

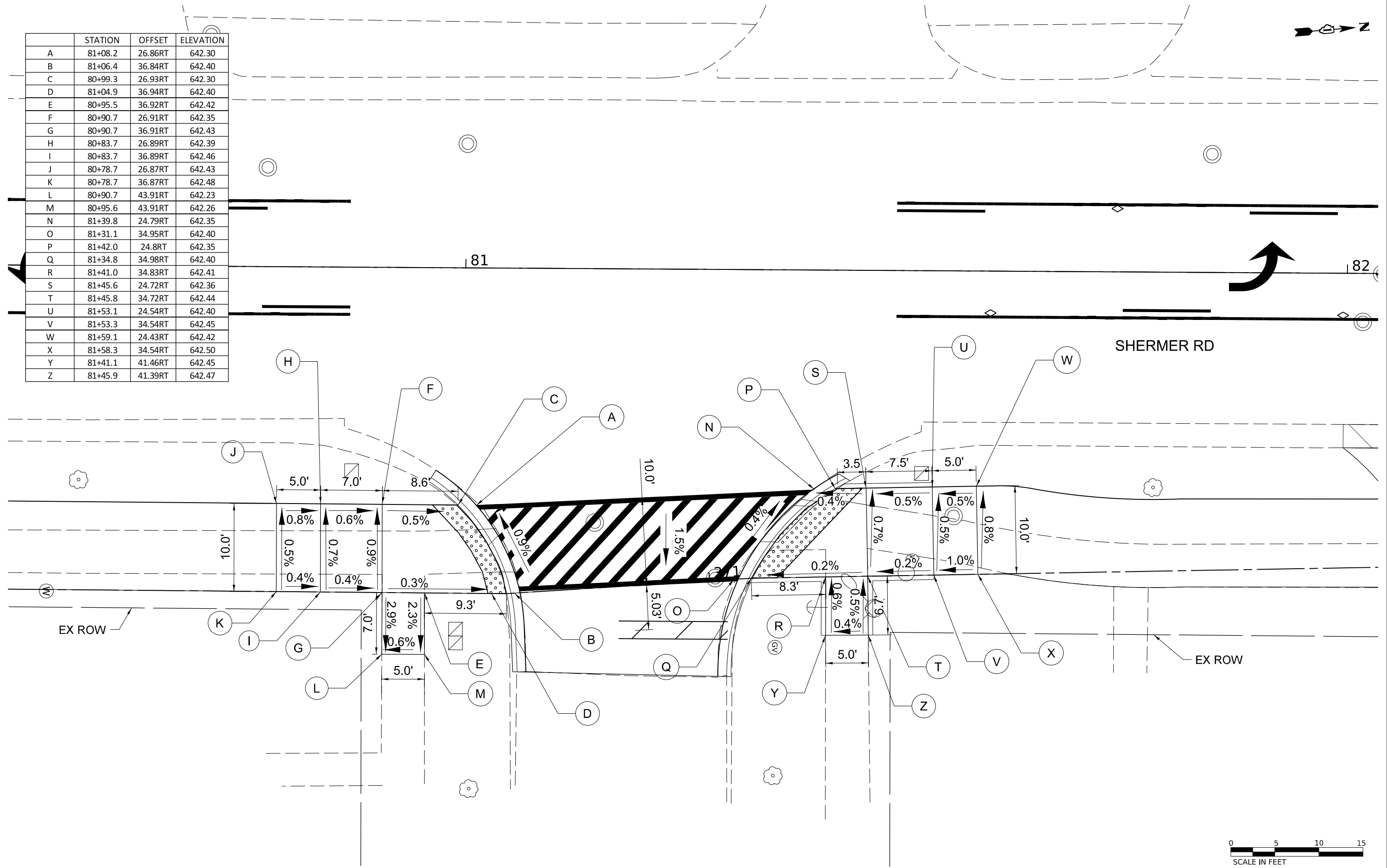








	STATION	OFFSET	ELEVATION
A	81+08.2	26.86RT	642.30
B	81+06.4	36.84RT	642.40
C	80+99.3	26.93RT	642.30
D	81+04.9	36.94RT	642.40
E	80+95.5	36.92RT	642.42
F	80+90.7	26.91RT	642.35
G	80+90.7	36.91RT	642.43
H	80+83.7	26.89RT	642.39
I	80+83.7	36.89RT	642.46
J	80+78.7	26.87RT	642.43
K	80+78.7	36.87RT	642.48
L	80+90.7	43.91RT	642.23
M	80+95.6	43.91RT	642.26
N	81+39.8	24.79RT	642.35
O	81+31.1	34.95RT	642.40
P	81+42.0	24.8RT	642.35
Q	81+34.8	34.98RT	642.40
R	81+41.0	34.83RT	642.41
S	81+45.6	24.72RT	642.36
T	81+45.8	34.72RT	642.44
U	81+53.1	24.54RT	642.40
V	81+53.3	34.54RT	642.45
W	81+59.1	24.43RT	642.42
X	81+58.3	34.54RT	642.50
Y	81+41.1	41.46RT	642.45
Z	81+45.9	41.39RT	642.47



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 CHECKED: JRK  
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DATE - 07/09/2024	REVISED -

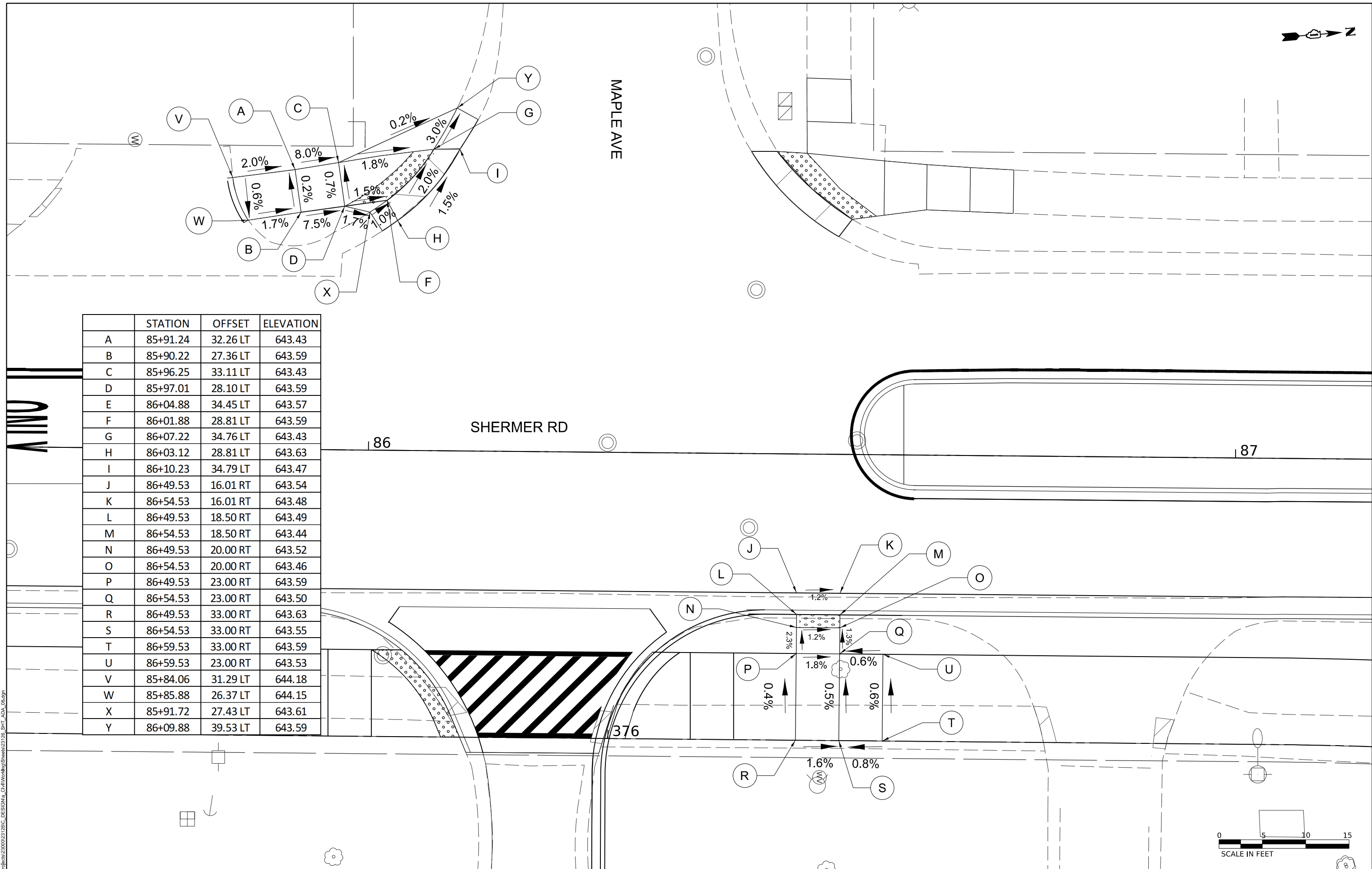
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIDWALK AND ADA DETAILS**  
**OAK AVE**

SCALE: 1"=5'    SHEET 7 OF 9 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	81
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				





	STATION	OFFSET	ELEVATION
A	85+91.24	32.26 LT	643.43
B	85+90.22	27.36 LT	643.59
C	85+96.25	33.11 LT	643.43
D	85+97.01	28.10 LT	643.59
E	86+04.88	34.45 LT	643.57
F	86+01.88	28.81 LT	643.59
G	86+07.22	34.76 LT	643.43
H	86+03.12	28.81 LT	643.63
I	86+10.23	34.79 LT	643.47
J	86+49.53	16.01 RT	643.54
K	86+54.53	16.01 RT	643.48
L	86+49.53	18.50 RT	643.49
M	86+54.53	18.50 RT	643.44
N	86+49.53	20.00 RT	643.52
O	86+54.53	20.00 RT	643.46
P	86+49.53	23.00 RT	643.59
Q	86+54.53	23.00 RT	643.50
R	86+49.53	33.00 RT	643.63
S	86+54.53	33.00 RT	643.55
T	86+59.53	33.00 RT	643.59
U	86+59.53	23.00 RT	643.53
V	85+84.06	31.29 LT	644.18
W	85+85.88	26.37 LT	644.15
X	85+91.72	27.43 LT	643.61
Y	86+09.88	39.53 LT	643.59

UNIV

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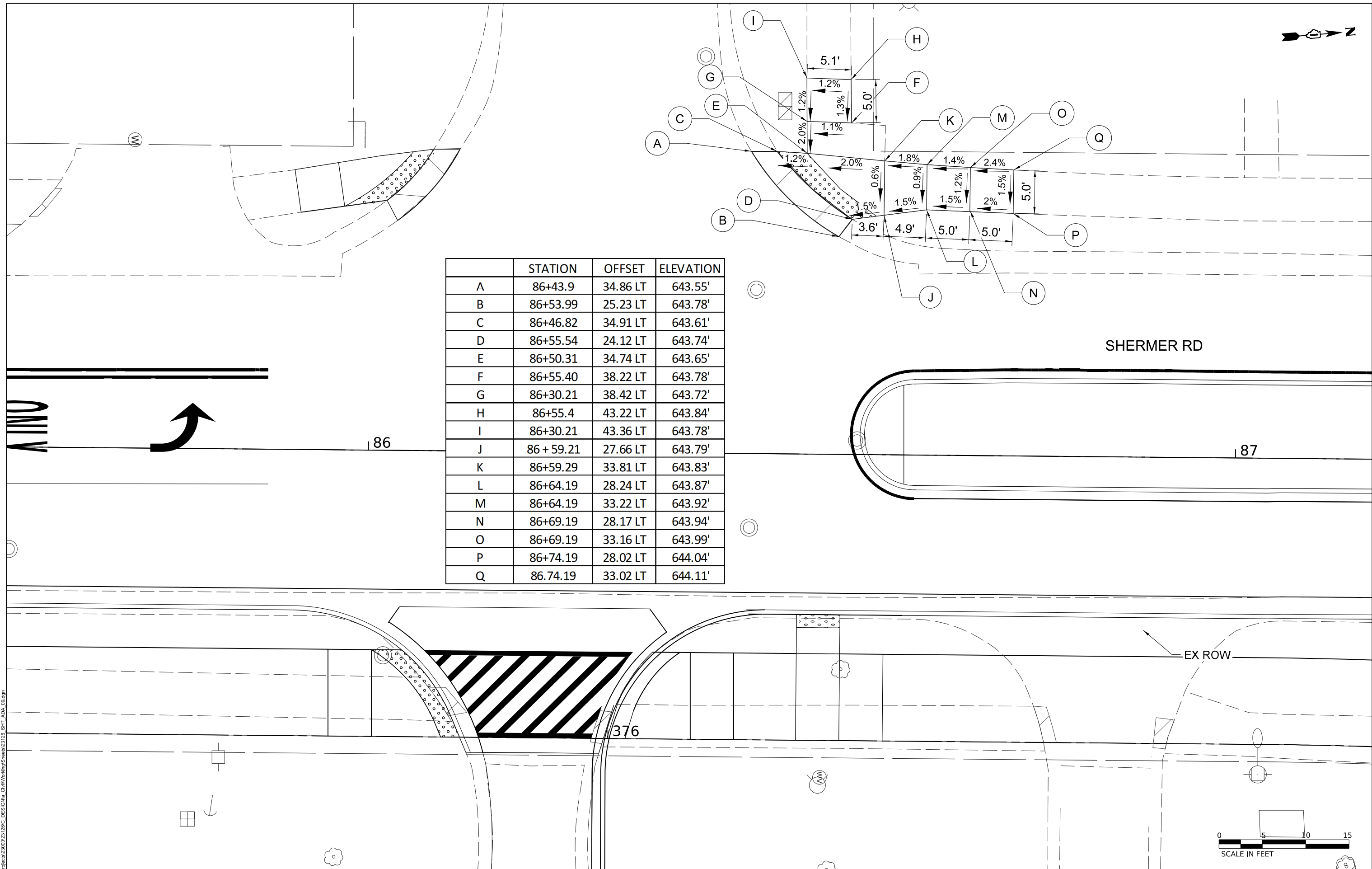
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DRAWN -	CC	REVISED -	
CHECKED -	JRK	REVISED -	
DATE -	07/17/2024	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK AND ADA DETAILS  
MAPLE AVE**

SCALE: 1"=5'    SHEET 8 OF 9 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	82
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



	STATION	OFFSET	ELEVATION
A	86+43.9	34.86 LT	643.55'
B	86+53.99	25.23 LT	643.78'
C	86+46.82	34.91 LT	643.61'
D	86+55.54	24.12 LT	643.74'
E	86+50.31	34.74 LT	643.65'
F	86+55.40	38.22 LT	643.78'
G	86+30.21	38.42 LT	643.72'
H	86+55.4	43.22 LT	643.84'
I	86+30.21	43.36 LT	643.78'
J	86 + 59.21	27.66 LT	643.79'
K	86+59.29	33.81 LT	643.83'
L	86+64.19	28.24 LT	643.87'
M	86+64.19	33.22 LT	643.92'
N	86+69.19	28.17 LT	643.94'
O	86+69.19	33.16 LT	643.99'
P	86+74.19	28.02 LT	644.04'
Q	86.74.19	33.02 LT	644.11'

SHERMER RD

87

EX ROW

376



SCALE IN FEET

MODEL: D:\data\...  
FILE NAME: P:\projects\2200183\21\206\_DESIGN\Maple\_Ave\_SHT\_ADD\_08.dgn



DESIGNED -	JRK	REVISED -	
DRAWN -	CC	REVISED -	
CHECKED -	JRK	REVISED -	
DATE -	07/09/2024	REVISED -	

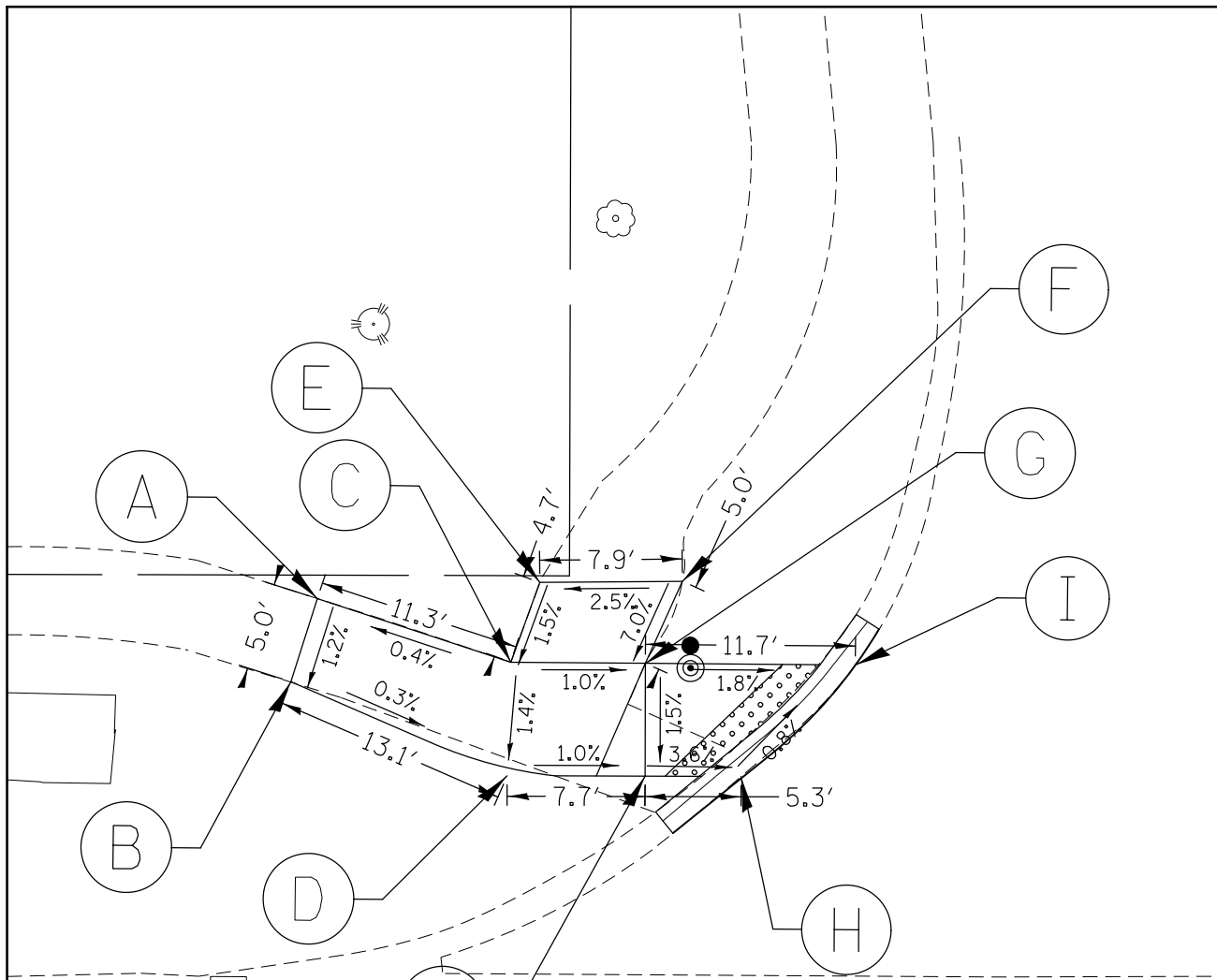
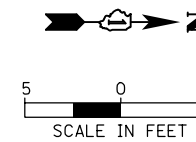
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK AND ADA DETAILS  
MAPLE AVE

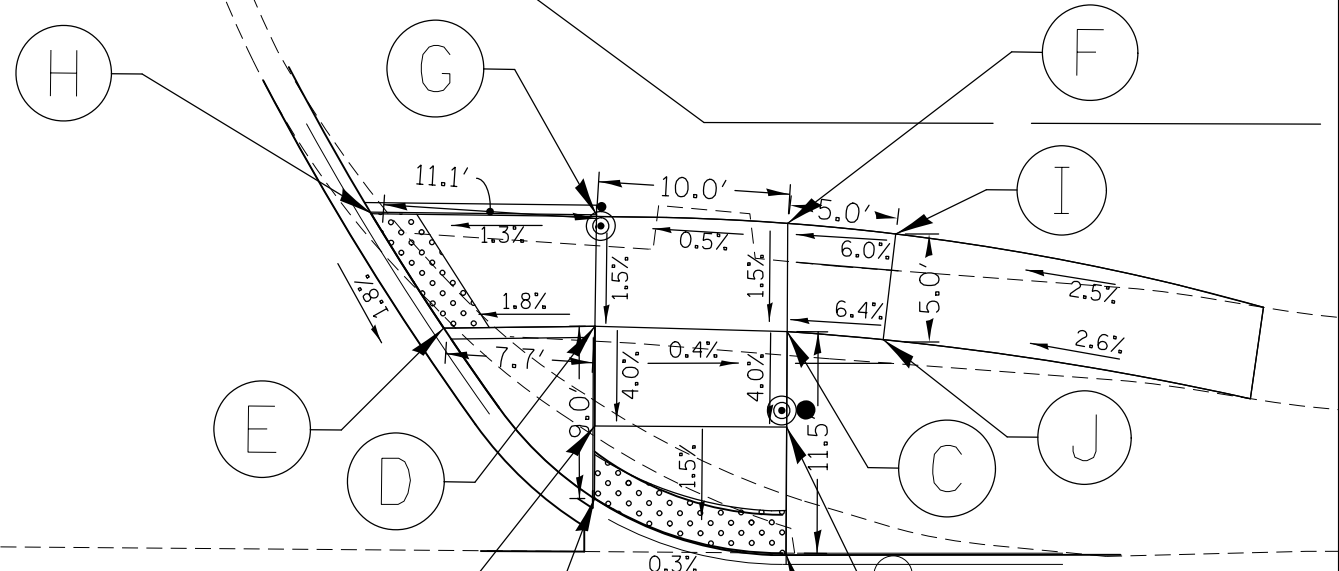
SCALE: 1"=5' SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	83
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				





**SHERMAN DR.**



**SHERMER RD.**

SHERMAN DR. - SW			
POINT	STATION	OFFSET	ELEVATION
A	27+86.4	50.3 LT	(647.65)
B	27+84.9	45.6 LT	(647.59)
C	27+97.2	46.7 LT	(647.69)
D	27+97.0	40.4 LT	647.60
E	27+98.8	51.1 LT	(647.76)
F	28+06.7	52.2 LT	(647.96)
G	28+04.7	46.7 LT	647.61
H	28+10.0	40.3 LT	(647.33)
I	28+16.3	46.6 LT	(647.40)
J	28+04.6	40.4 LT	647.52

SHERMAN DR. - NW			
POINT	STATION	OFFSET	ELEVATION
A	28+97.8	28.8 LT	647.47
B	28+87.8	31.8 LT	647.42
C	28+97.9	40.4 LT	647.64
D	28+87.8	40.7 LT	647.69
E	28+80.0	40.6 LT	647.54
F	28+97.9	46.0 LT	647.72
G	28+87.9	46.5 LT	647.77
H	28+76.2	46.6 LT	648.00
I	29+03.5	45.5 LT	648.05
J	29+02.9	40.0 LT	647.96
K	28+87.8	35.5 LT	647.48
L	28+97.8	35.4 LT	647.44

28

29

MODEL: D:\msh\... FILE NAME: ... SHERMAN\_02\_230223.dwg

USER NAME = mmlchowicz	DESIGNED - MLM	REVISED -
PLOT SCALE = 10'	DRAWN - MLM/KC	REVISED -
PLOT DATE = 7/3/2024	CHECKED - BL	REVISED -
	DATE - 12/20/2023	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

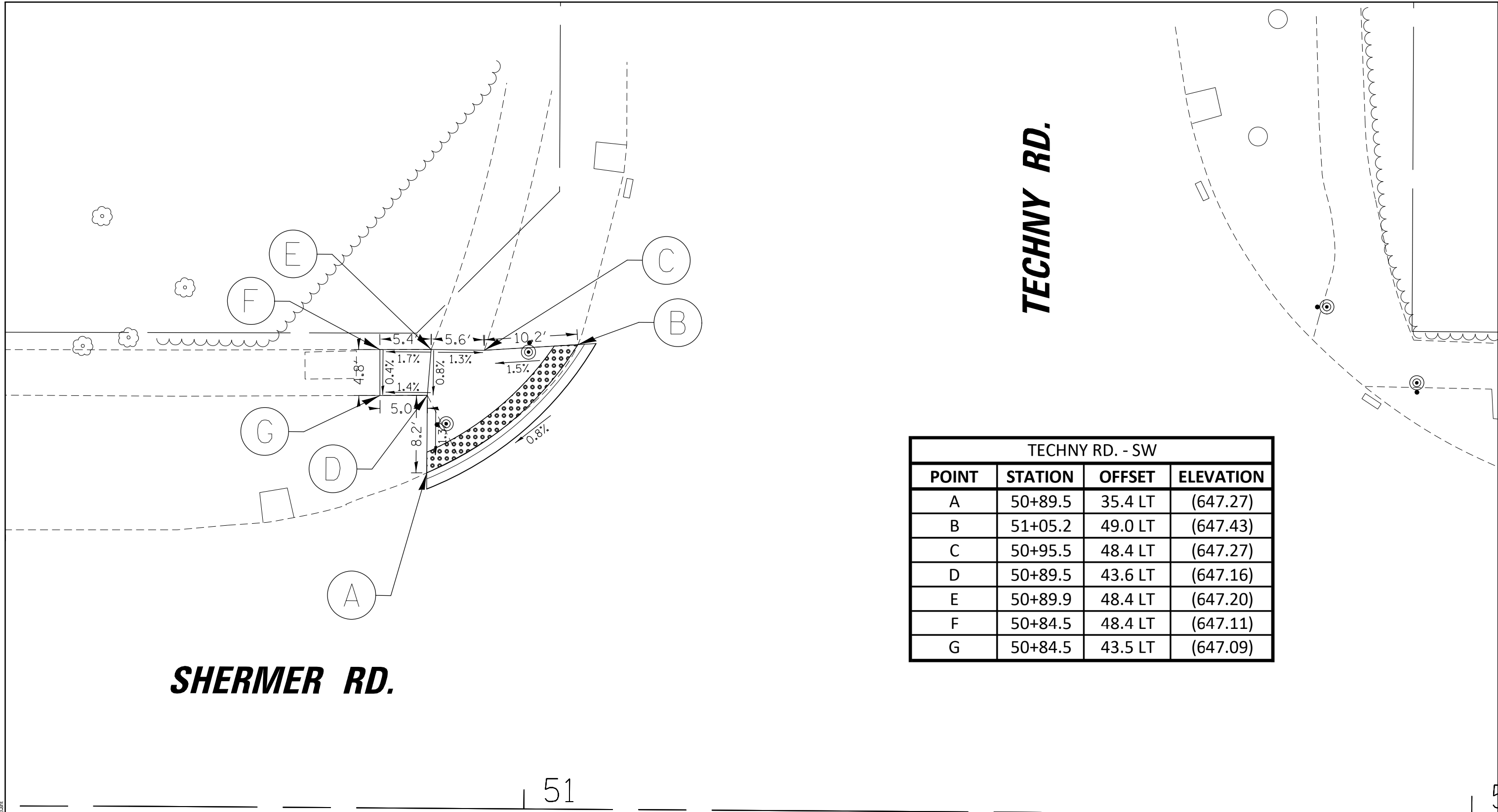
SIDWALK AND ADA DETAILS  
SHERMAN DR

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	85
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF XX SHEETS STA. TO STA.





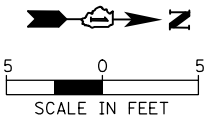


**TECHNY RD.**

**SHERMER RD.**

TECHNY RD. - SW			
POINT	STATION	OFFSET	ELEVATION
A	50+89.5	35.4 LT	(647.27)
B	51+05.2	49.0 LT	(647.43)
C	50+95.5	48.4 LT	(647.27)
D	50+89.5	43.6 LT	(647.16)
E	50+89.9	48.4 LT	(647.20)
F	50+84.5	48.4 LT	(647.11)
G	50+84.5	43.5 LT	(647.09)

51



MODEL: D:\mkt FILE NAME: I:\NORTHHERO\032023\CH\ADA\06\_TCHNY\_03\_232023.dwg

USER NAME = mmlchowicz	DESIGNED - MLM	REVISED -
DRAWN - MLM/KC	CHECKED - BL	REVISED -
PLOT SCALE = 1/8"	DATE - 12/20/2023	REVISED -
PLOT DATE = 7/3/2024		

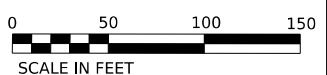
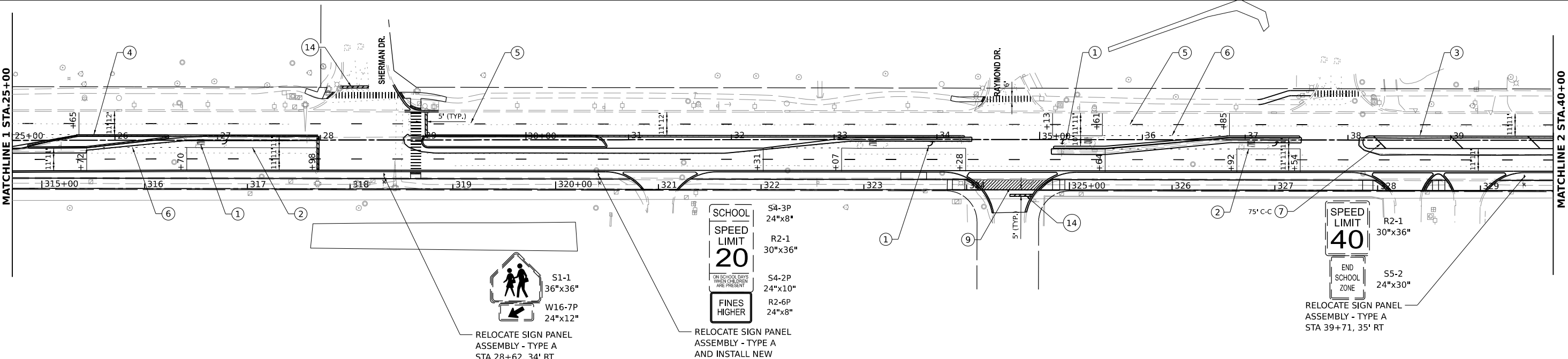
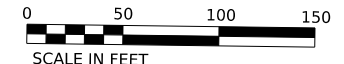
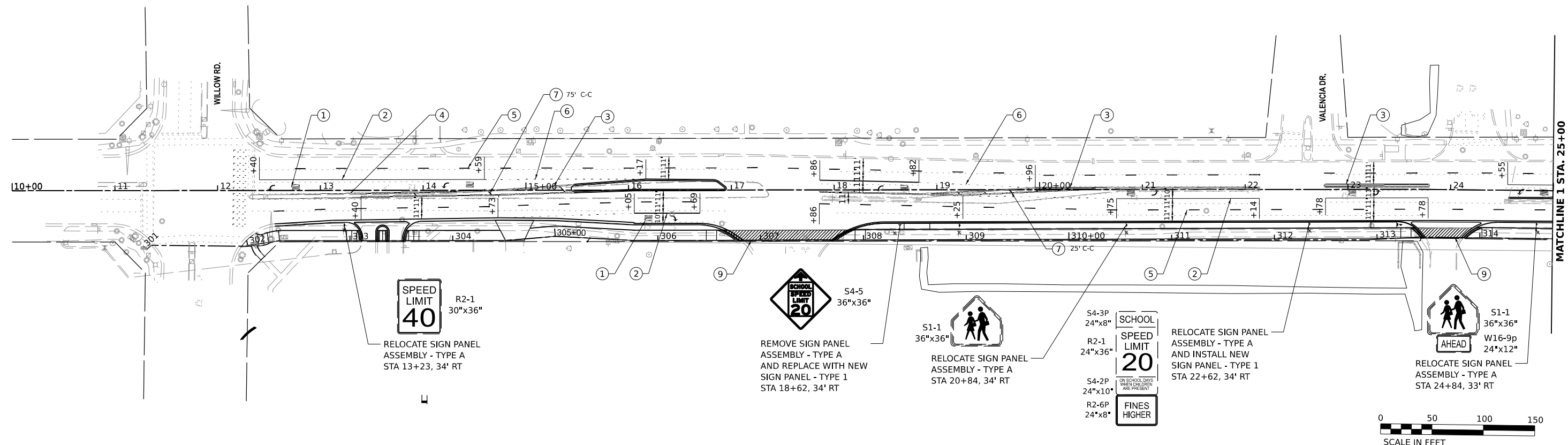
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK AND ADA DETAILS  
TECHNY RD

F.A. RTE. 2760	SECTION 22-00183-00-BT	COUNTY COOK	TOTAL SHEETS 182	SHEET NO. 88
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF XX SHEETS STA. TO STA.



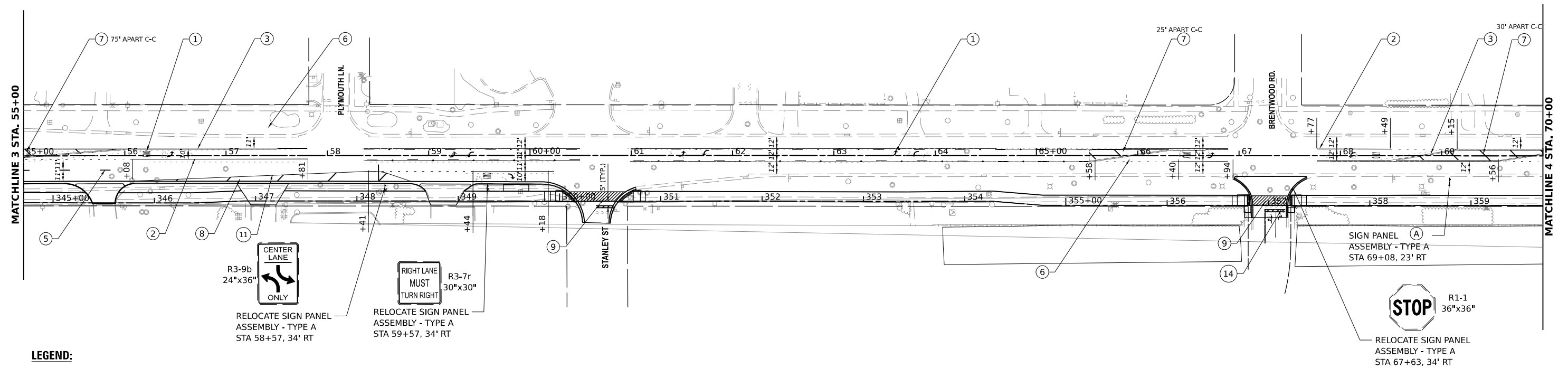
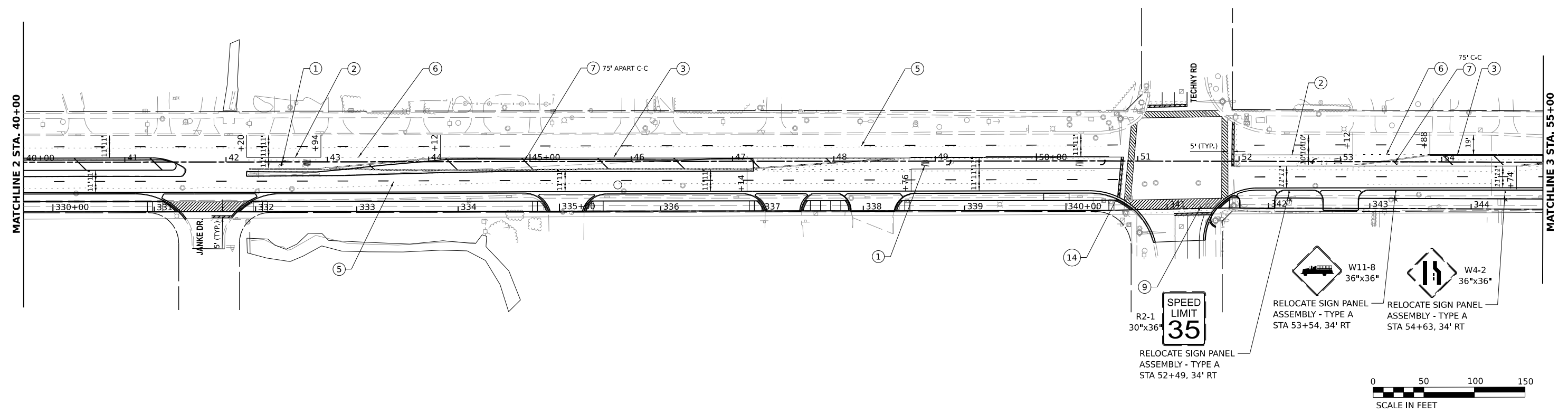


**LEGEND:**

- ① MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (78008200)
- ② MODIFIED URETHANE PAVEMENT MARKING - LINE 6" WHITE LINE (78008230)
- ③ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" DOUBLE YELLOW LINE, 11" C-C. TYP. (78008210)
- ④ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" YELLOW LINE (78008210)
- ⑤ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" WHITE LINE 10' DASH 30' SKIP (78008210)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" WHITE 2' DASH 6' SKIP (78008230)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL @ 45° AT SPACING AS NOTED (78008250)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" WHITE DIAGONAL @ 45° AT 50' C-C. (78008250)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING LINE 12" @ 45° 3' C-C
- ⑩ MODIFIED URETHANE PAVEMENT MARKING LINE 12" 3' C-C
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" WHITE LINE, (78008210)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" YELLOW LINE, 5 1/2" C-C TO YELLOW 10' DASH 30' SKIP (78008210)
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER 40' C-C, TYP. (78100100)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING - LINE 24" WHITE LINE, (78008270)

MODEL: P:\C...  
 FILE NAME: P:\PROJECTS\20200212\DESIGN\CD\Working\Sheet202126\_sht.dwg  
 DATE: 7/17/2024

<b>EPSTEIN</b>	USER NAME - spa/adugu	DESIGNED - SP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKINGS AND SIGNAGE PLANS</b>	F.A.U. RTE. - 2760	SECTION - 22-00183-00-BT	COUNTY - COOK	TOTAL SHEETS - 182	SHEET NO. - 89
	PLOT SCALE - 0.16666685"/in.	CHECKED - JK	REVISIED -			SCALE: 1"=50'	SHEET 1 OF 3 SHEETS	STA. 10+00 TO STA. 40+00	CONTRACT NO. 61K70	
	PLOT DATE - 7/17/2024	DATE - 07/17/2024	REVISIED -							



**LEGEND:**

- |   |   |    |  |    |   |
|---|---|----|--|----|---|
| 1 | MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (78008200)                       | 6  | MODIFIED URETHANE PAVEMENT MARKING - LINE 6" WHITE 2' DASH 6' SKIP (78008230)                      | 11 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" WHITE LINE, (78008210)   |
| 2 | MODIFIED URETHANE PAVEMENT MARKING - LINE 6" WHITE LINE (78008230)                        | 7  | MODIFIED URETHANE PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL @ 45° AT SPACING AS NOTED (78008250) | 12 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" YELLOW LINE, 5 1/2' C-C TO YELLOW 10' DASH 30' SKIP (78008210) |
| 3 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" DOUBLE YELLOW LINE, 11" C-C. TYP. (78008210) | 8  | MODIFIED URETHANE PAVEMENT MARKING - LINE 12" WHITE DIAGONAL @ 45° AT 50' C-C, (78008250)          | 13 | RAISED REFLECTIVE PAVEMENT MARKER 40' C-C, TYP. (78100100)  |
| 4 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" YELLOW LINE (78008210)                       | 9  | MODIFIED URETHANE PAVEMENT MARKING LINE 12" @ 45° 3' C-C   | 14 | MODIFIED URETHANE PAVEMENT MARKING - LINE 24" WHITE LINE, (78008270)  |
| 5 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" WHITE LINE 10' DASH 30' SKIP (78008210)      | 10 | MODIFIED URETHANE PAVEMENT MARKING LINE 12" 3' C-C   |    |   |

MODEL: PCL - Rtn 3  
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 DATE: 7/9/2024



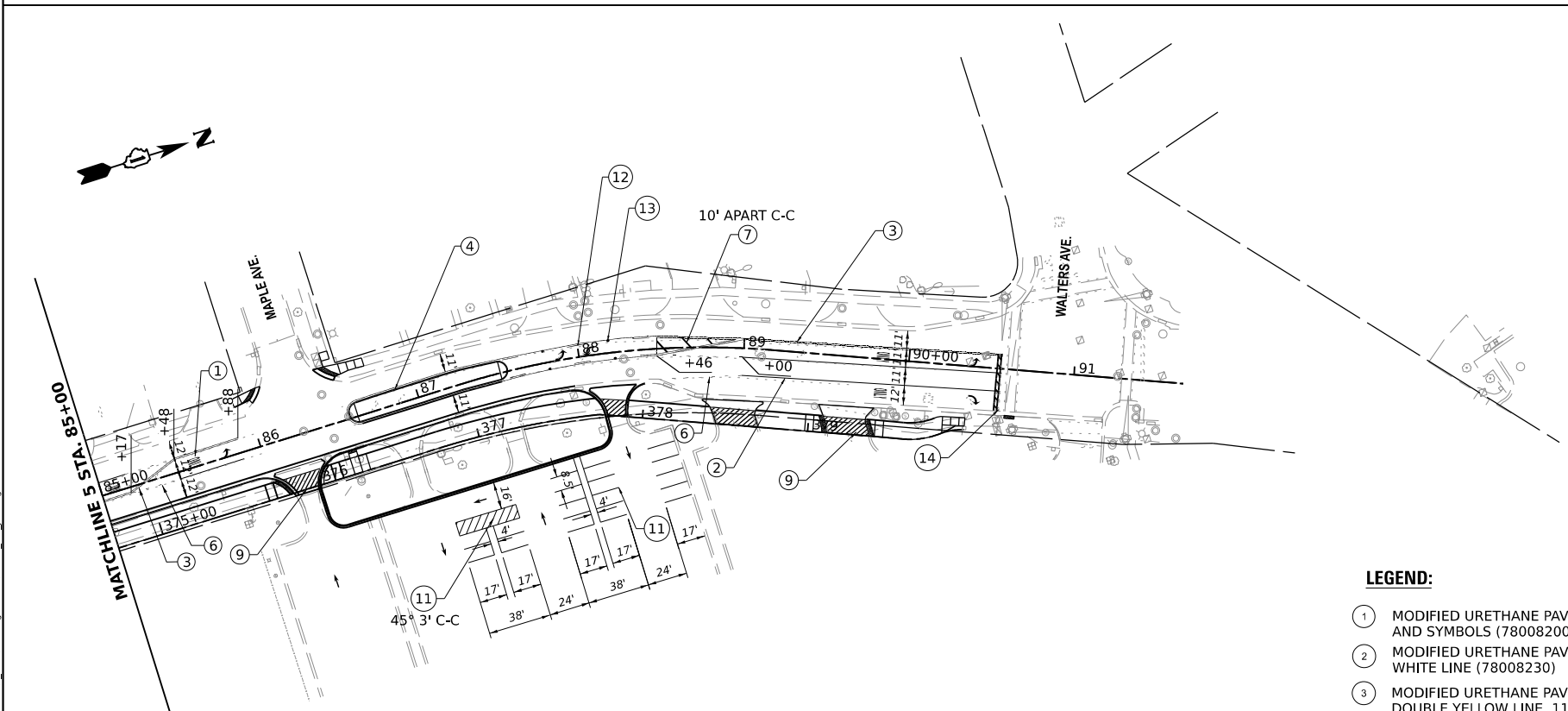
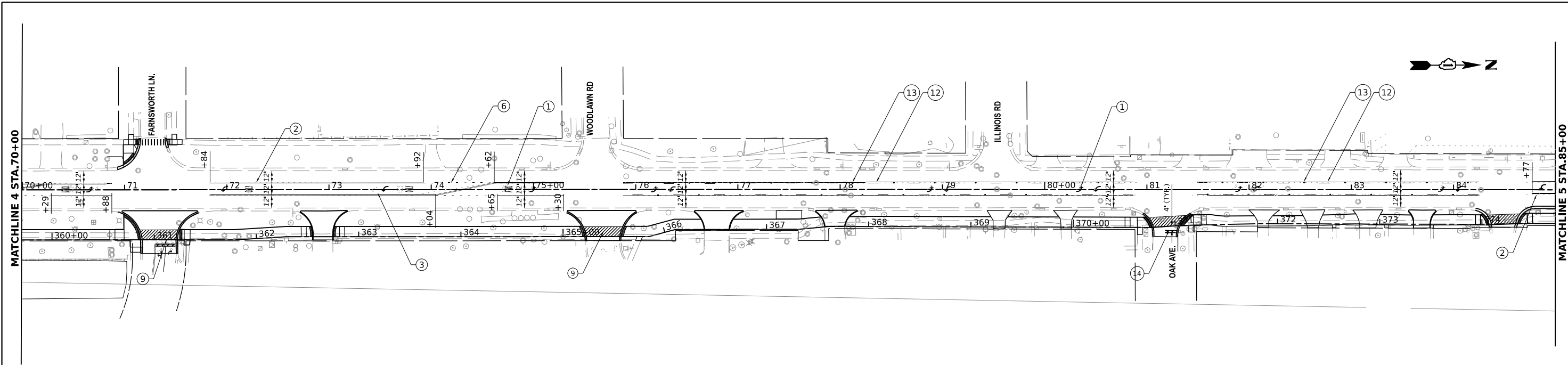
USER NAME	spaladugu	DESIGNED	SP	REVISED	-
		DRAWN	DR	REVISED	-
PLOT SCALE	0.16666685 1/ in.	CHECKED	JK	REVISED	-
PLOT DATE	7/9/2024	DATE	07/09/2024	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS AND SIGNAGE PLANS**

SCALE: 1"=50'      SHEET 2 OF 3 SHEETS      STA. 40+00 TO STA. 70+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	90
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



**LEGEND:**

- ① MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (78008200)
- ② MODIFIED URETHANE PAVEMENT MARKING - LINE 6" WHITE LINE (78008230)
- ③ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" DOUBLE YELLOW LINE, 11' C-C. TYP. (78008210)
- ④ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" YELLOW LINE (78008210)
- ⑤ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" WHITE LINE 10' DASH 30' SKIP (78008210)
- ⑥ MODIFIED URETHANE PAVEMENT MARKING - LINE 6" WHITE 2' DASH 6' SKIP (78008230)
- ⑦ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL @ 45° AT SPACING AS NOTED (78008250)
- ⑧ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" WHITE DIAGONAL @ 45° AT 50' C-C. (78008250)
- ⑨ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" @ 45° 3' C-C
- ⑩ MODIFIED URETHANE PAVEMENT MARKING - LINE 12" 3' C-C
- ⑪ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" WHITE LINE, (78008210)
- ⑫ MODIFIED URETHANE PAVEMENT MARKING - LINE 4" YELLOW LINE, 5½" C-C TO YELLOW 10' DASH 30' SKIP (78008210)
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER 40' C-C, TYP. (78100100)
- ⑭ MODIFIED URETHANE PAVEMENT MARKING - LINE 24" WHITE LINE, (78008270)

MODEL: P:\C...\_Rev 5  
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 DATE: 7/9/2024

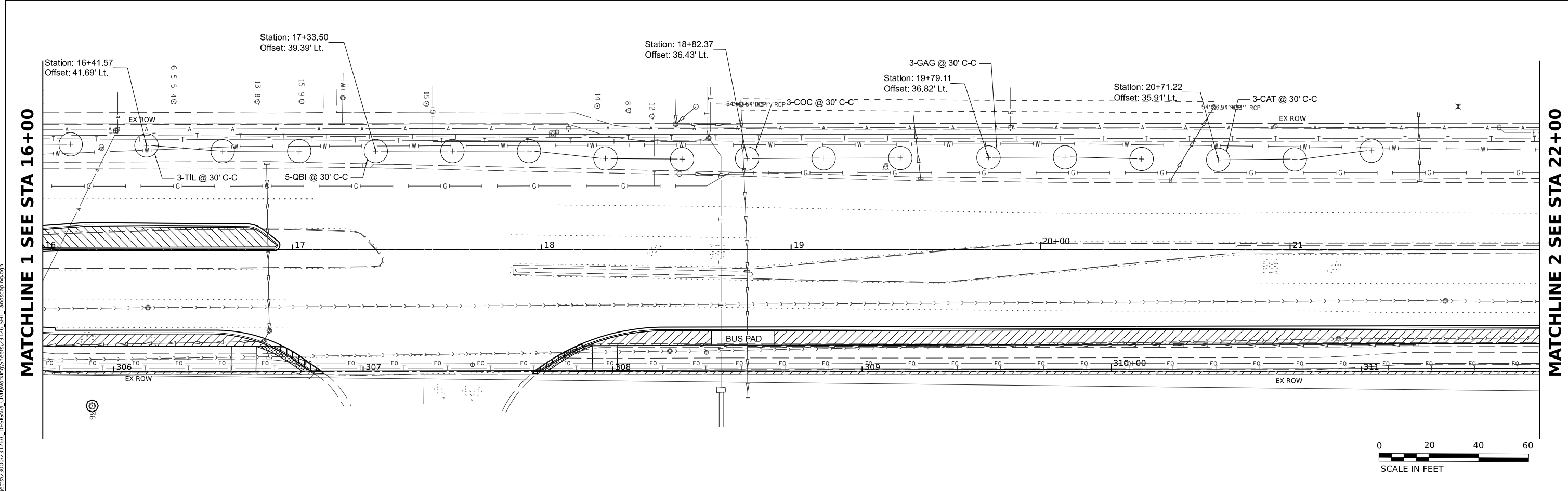
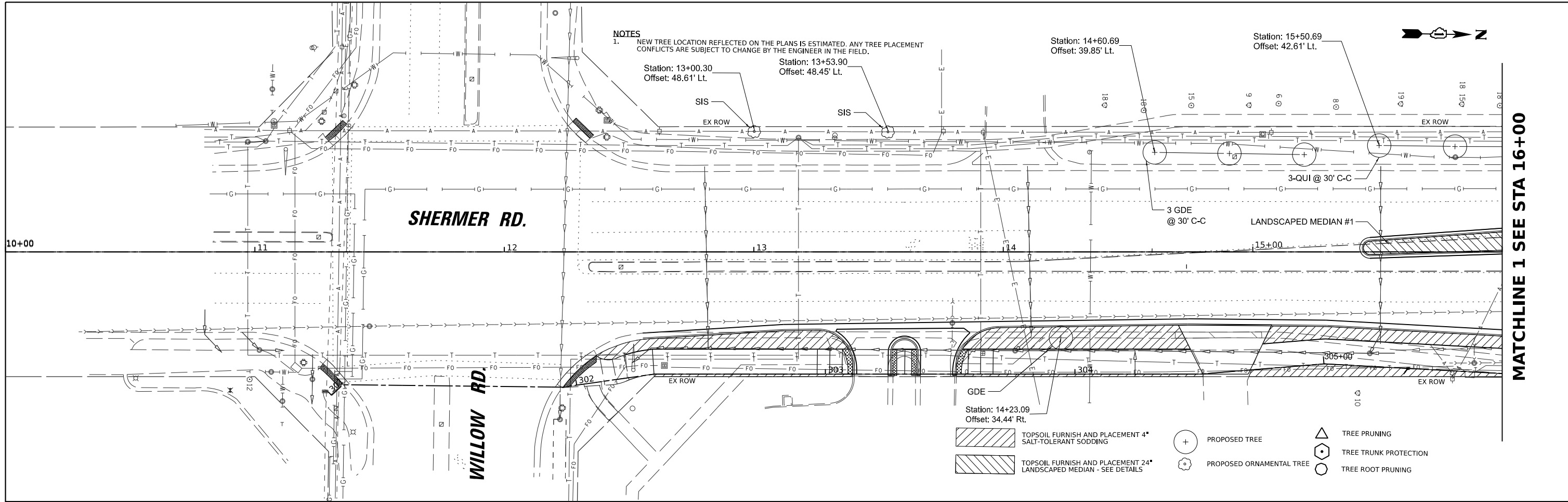


USER NAME	spaladugu	DESIGNED	SP	REVISED	-
DRAWN	DR	REVISIONS		REVISED	-
PLOT SCALE	0.16666685"/in.	CHECKED	JK	REVISED	-
PLOT DATE	7/9/2024	DATE	07/09/2024	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS AND SIGNAGE PLANS			
SCALE: 1"=50"	SHEET 3	OF 3 SHEETS	STA. 70+00 TO STA. 90+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	91
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



	USER NAME - spaladugu	DESIGNED - SP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LANDSCAPING PLANS</b>			F.A.U. RTE. - 2760	SECTION - 22-00183-00-BT	COUNTY - COOK	TOTAL SHEETS - 182	SHEET NO. - 92
	PLOT SCALE - 0.16666685" / in.	CHECKED - JK	REVISED -					CONTRACT NO. 61K70				
	PLOT DATE - 7/9/2024	DATE - 07/09/2024	REVISED -					ILLINOIS FED. AID PROJECT				

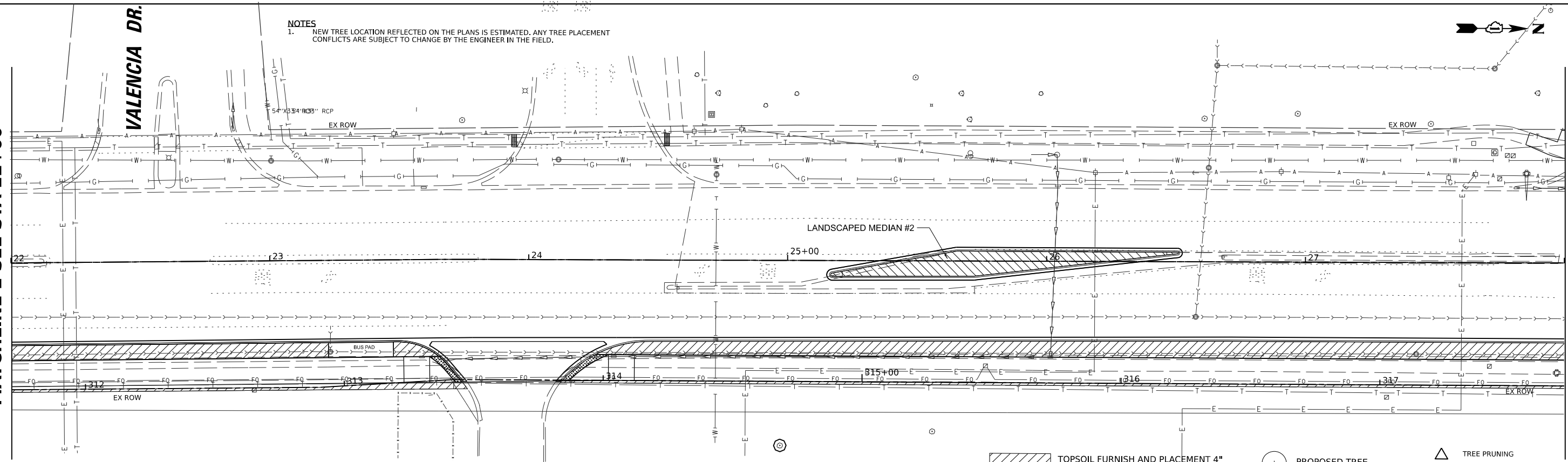
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NOTES  
 1. NEW TREE LOCATION REFLECTED ON THE PLANS IS ESTIMATED. ANY TREE PLACEMENT CONFLICTS ARE SUBJECT TO CHANGE BY THE ENGINEER IN THE FIELD.



MATCHLINE 2 SEE STA 22+00

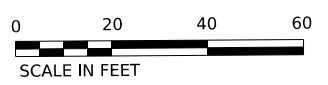
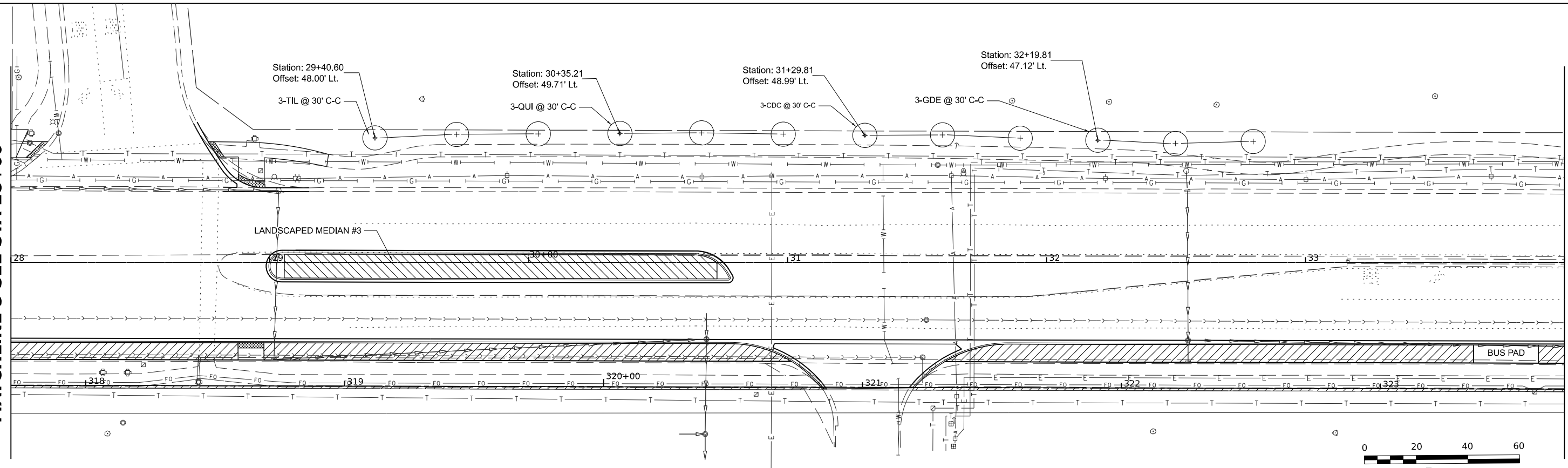
MATCHLINE 3 SEE STA 28+00



- TOPSOIL FURNISH AND PLACEMENT 4" SALT-TOLERANT SODDING
- TOPSOIL FURNISH AND PLACEMENT 24" LANDSCAPED MEDIANS - SEE DETAILS
- PROPOSED TREE
- PROPOSED ORNAMENTAL TREE
- TREE PRUNING
- TREE TRUNK PROTECTION
- TREE ROOT PRUNING

MATCHLINE 3 SEE STA 28+00

MATCHLINE 4 SEE STA 34+00



MODEL: PCL - Rtn 3  
 FILE NAME: P:\PROJECTS\232000\23126\_C\_DESIGN\DWG\Working\Sheet\23126\_SHT\_Landscaping.dgn



USER NAME	spaladugu	DESIGNED	SP	REVISED	-
DRAWN	DR	REVISIONS			
PLOT SCALE	0.16666685 1/ in.	CHECKED	JK	REVISED	-
PLOT DATE	7/9/2024	DATE	07/09/2024	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS**

SCALE: 1"=20'    SHEET 2 OF 7 SHEETS    STA. 22+00 TO STA. 34+00

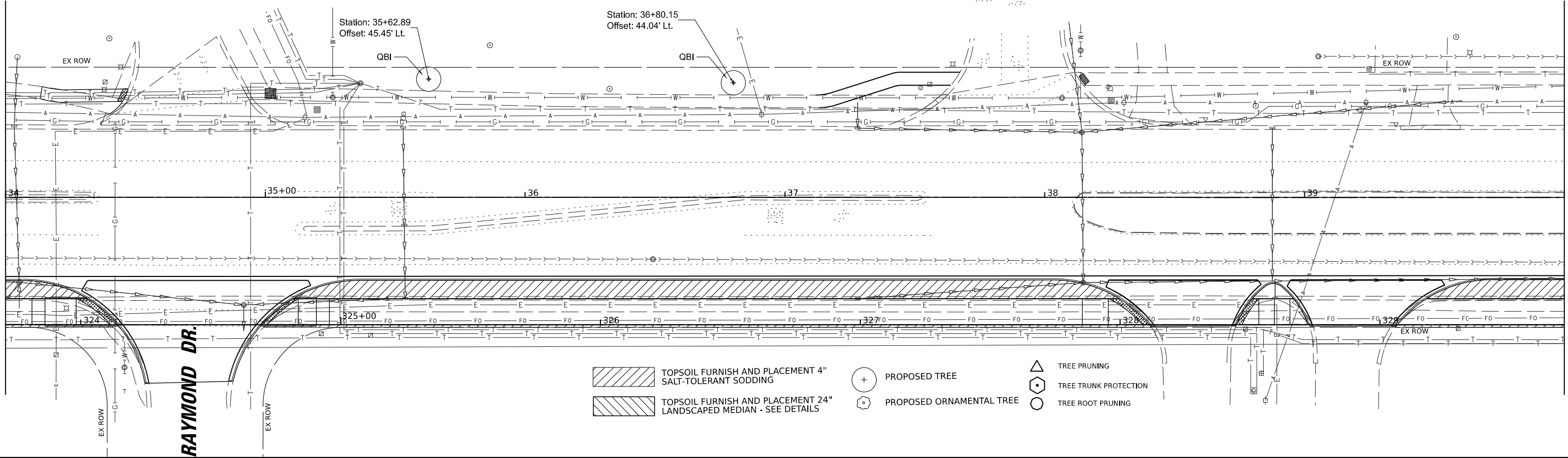
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	93
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

**NOTES**  
 1. NEW TREE LOCATION REFLECTED ON THE PLANS IS ESTIMATED. ANY TREE PLACEMENT CONFLICTS ARE SUBJECT TO CHANGE BY THE ENGINEER IN THE FIELD.



MATCHLINE 4 SEE STA 34+00

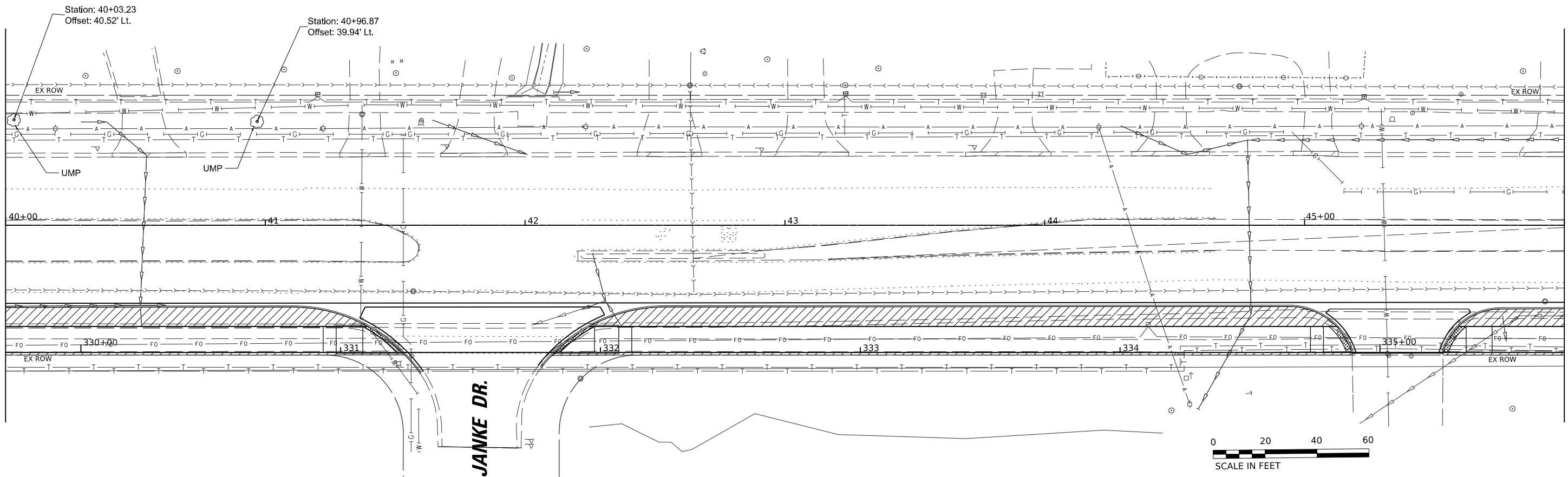
MATCHLINE 5 SEE STA 40+00



- TOPSOIL FURNISH AND PLACEMENT 4" SALT-TOLERANT SODDING
- TOPSOIL FURNISH AND PLACEMENT 24" LANDSCAPED MEDIAN - SEE DETAILS
- PROPOSED TREE
- PROPOSED ORNAMENTAL TREE
- TREE PRUNING
- TREE TRUNK PROTECTION
- TREE ROOT PRUNING

MATCHLINE 5 SEE STA 40+00

MATCHLINE 6 SEE STA 46+00



MODEL: P:\C...\_Rin\_5  
 FILE NAME: P:\PROJECTS\2020\2126\_C\_DESIGN\DWG\Working\Sheet\2126\_SHT\_Landscaping.dgn



USER NAME	spaladugu	DESIGNED -	SP	REVISED -	---
DRAWN	DR	REVISIONS		REVISED -	---
PLOT SCALE	0.16666685 1/ in.	CHECKED -	JK	REVISED -	---
PLOT DATE	7/9/2024	DATE	07/09/2024	REVISED -	---

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS**

SCALE: 1"=20'      SHEET 3 OF 7 SHEETS      STA. 34+00 TO STA. 46+00

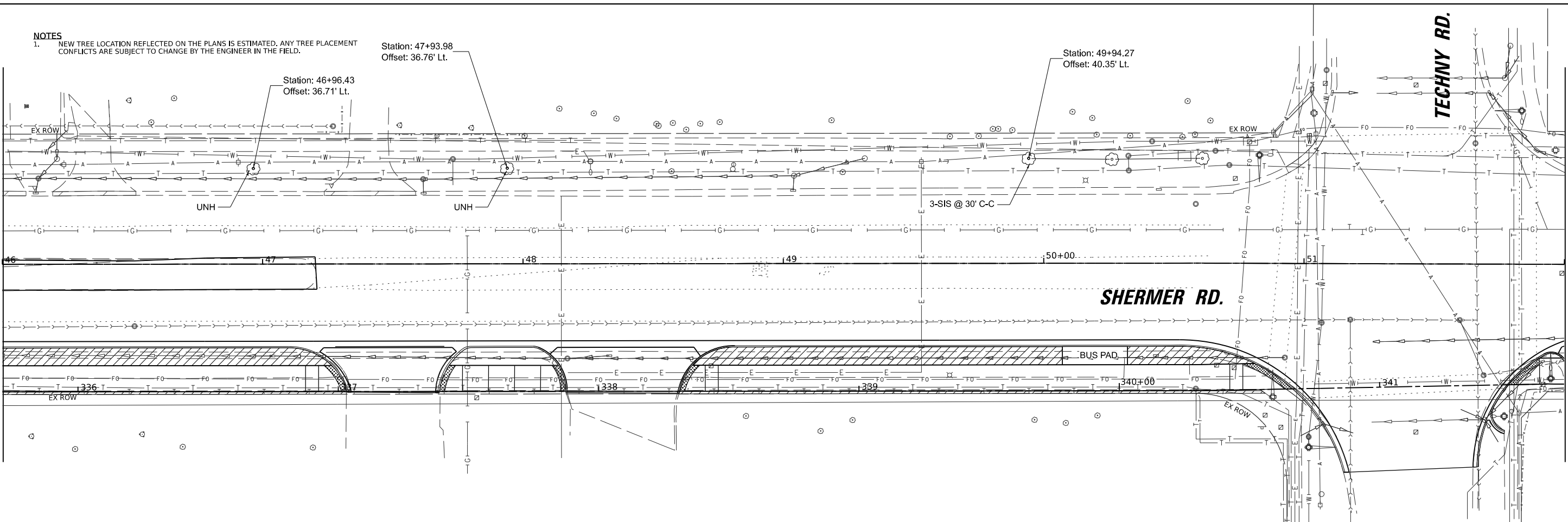
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	94
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

**NOTES**

1. NEW TREE LOCATION REFLECTED ON THE PLANS IS ESTIMATED. ANY TREE PLACEMENT CONFLICTS ARE SUBJECT TO CHANGE BY THE ENGINEER IN THE FIELD.

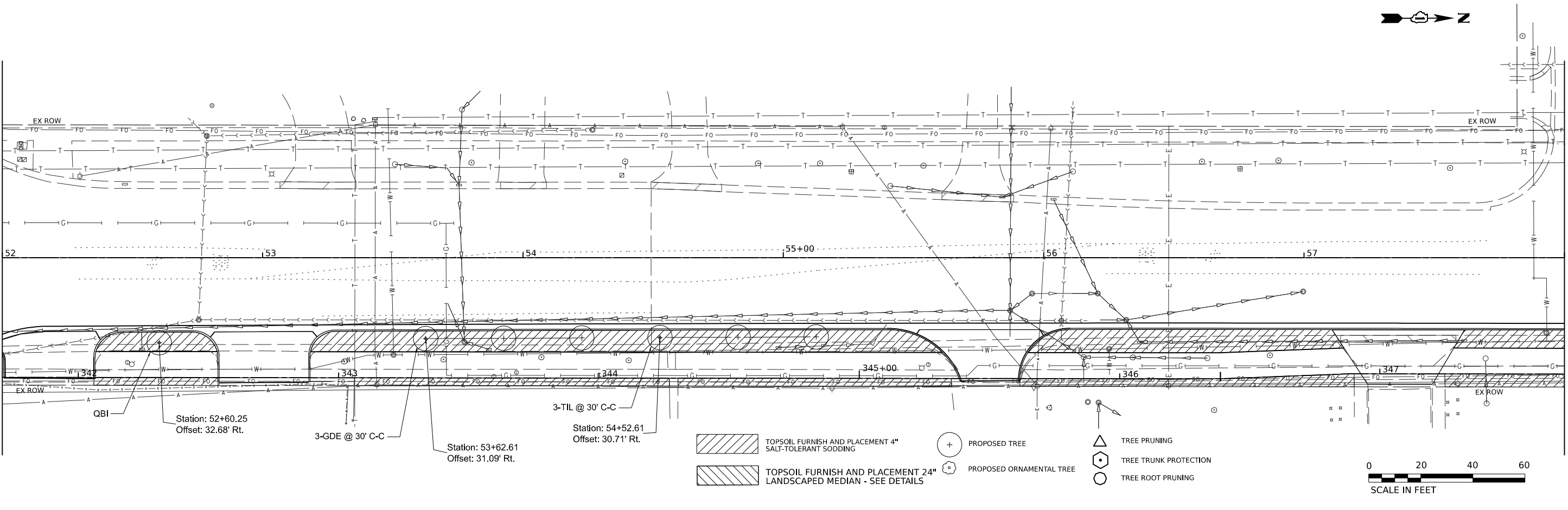
MATCHLINE 6 SEE STA 46+00

MATCHLINE 7 SEE STA 52+00

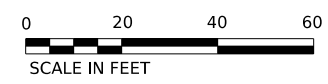


MATCHLINE 7 SEE STA 52+00

MATCHLINE 8 SEE STA 58+00



- TOPSOIL FURNISH AND PLACEMENT 4" SALT-TOLERANT SODDING
- TOPSOIL FURNISH AND PLACEMENT 24" LANDSCAPED MEDIAN - SEE DETAILS
- PROPOSED TREE
- PROPOSED ORNAMENTAL TREE
- TREE PRUNING
- TREE TRUNK PROTECTION
- TREE ROOT PRUNING



MODEL: P:\C... 7  
FILE NAME: P:\PROJECTS\2020022126\_C\_DESIGN\DWG\Working\Sheet23126\_SHT\_Landscaping.dgn



USER NAME = spaladugu	DESIGNED - SP	REVISED -
PLOT SCALE = 0.16666685 1/ in.	DRAWN - DR	REVISED -
PLOT DATE = 7/9/2024	CHECKED - JK	REVISED -
	DATE - 07/09/2024	REVISED -

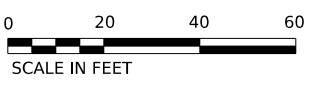
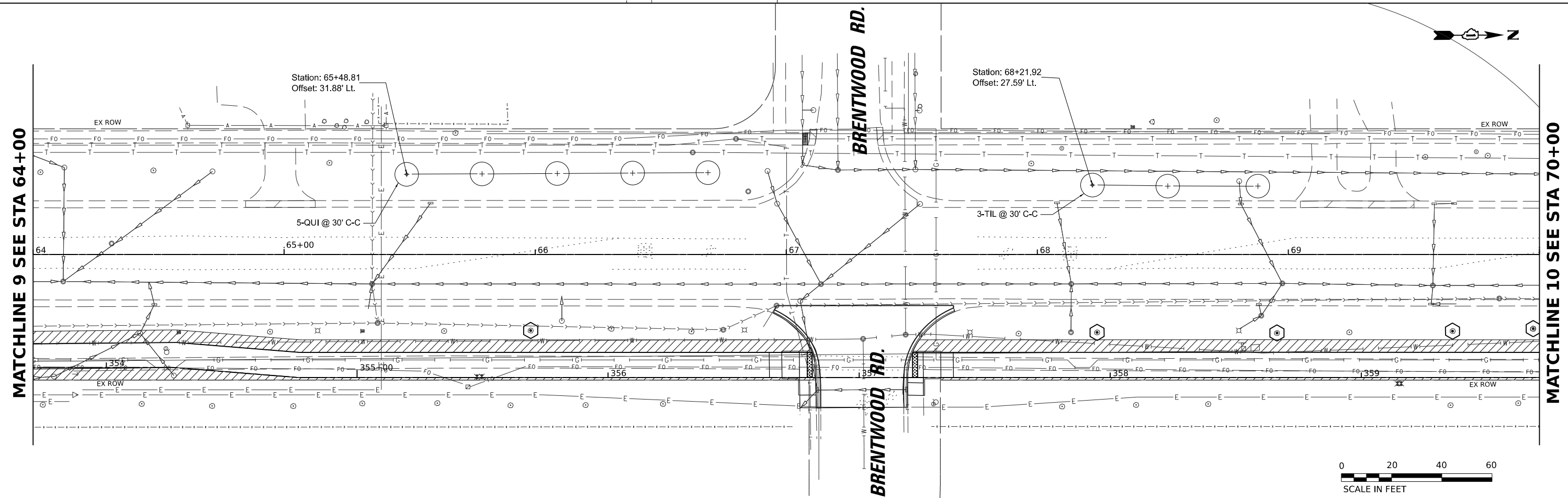
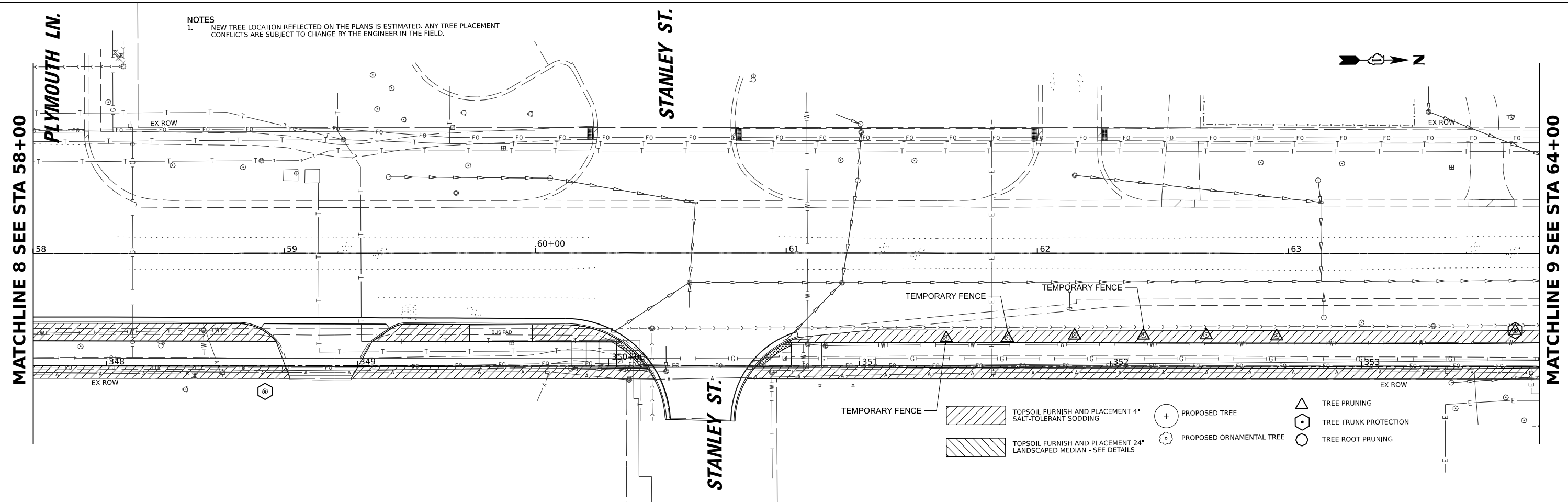
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS**

SCALE: 1"=20'    SHEET 4 OF 7 SHEETS    STA. 46+00 TO STA. 58+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	95
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

NOTES  
 1. NEW TREE LOCATION REFLECTED ON THE PLANS IS ESTIMATED. ANY TREE PLACEMENT CONFLICTS ARE SUBJECT TO CHANGE BY THE ENGINEER IN THE FIELD.



MODEL: P:\C...\_Rin\_9  
 FILE NAME: P:\PROJECTS\23200023126\_C\_DESIGN\DWG\Workshop\Sheet\23126\_SHT\_Landscaping.dgn



USER NAME	spaladugu	DESIGNED	SP	REVISED	-
DRAWN	DR	REVISIONS	-	DATE	07/09/2024
CHECKED	JK	DATE	07/09/2024		
PLOT SCALE	0.16666685 1/ in.				
PLOT DATE	7/9/2024				

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

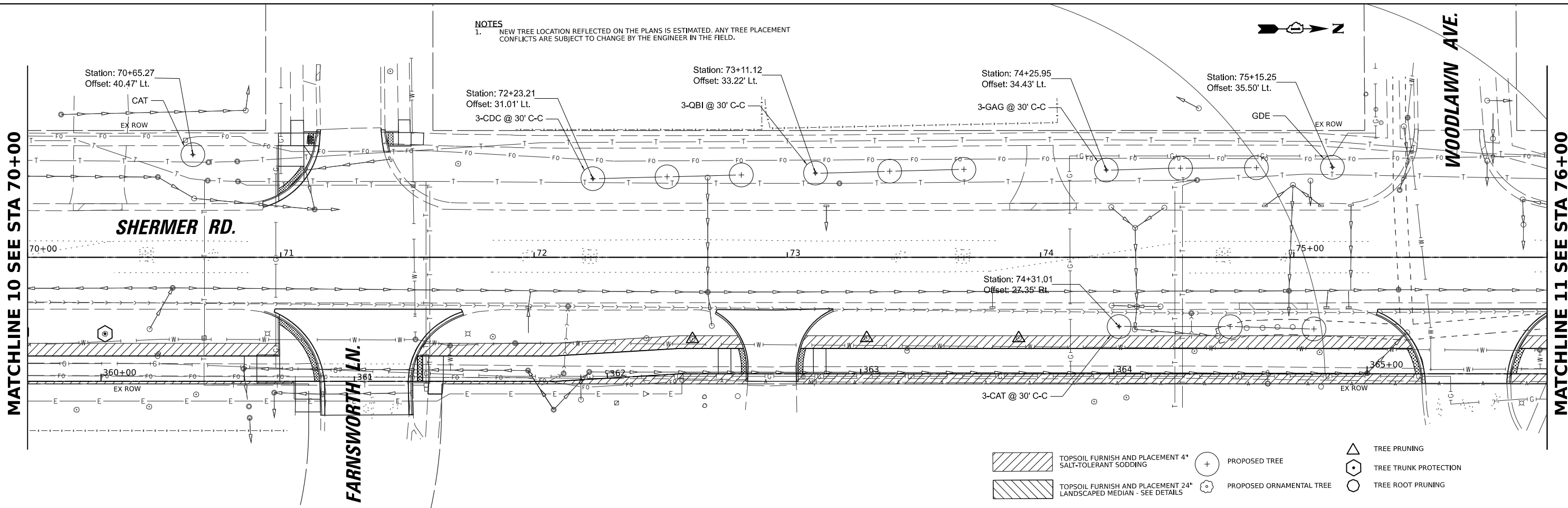
**LANDSCAPING PLANS**

SCALE: 1"=20'      SHEET 5 OF 7 SHEETS      STA. 58+00 TO STA. 70+00

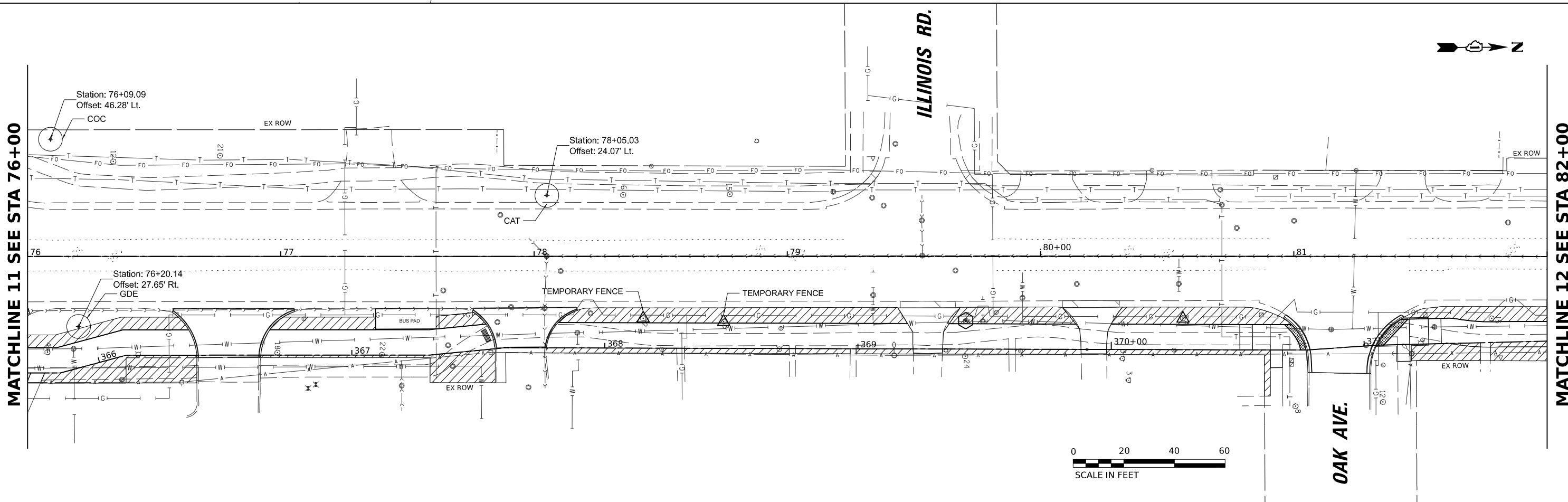
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	96
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



**NOTES**  
 1. NEW TREE LOCATION REFLECTED ON THE PLANS IS ESTIMATED. ANY TREE PLACEMENT CONFLICTS ARE SUBJECT TO CHANGE BY THE ENGINEER IN THE FIELD.



- TOPSOIL FURNISH AND PLACEMENT 4" SALT-TOLERANT SODDING
- TOPSOIL FURNISH AND PLACEMENT 24" LANDSCAPED MEDIAN - SEE DETAILS
- PROPOSED TREE
- PROPOSED ORNAMENTAL TREE
- TREE PRUNING
- TREE TRUNK PROTECTION
- TREE ROOT PRUNING



MODEL: P:\C... 11  
 FILE NAME: P:\PROJECTS\2024\2126\_C\_DESIGN\DWG\Working\Sheet\2126\_SHT\_Landscaping.dwg



USER NAME	spaladugu	DESIGNED	SP	REVISED	-
DRAWN	DR	REVISIONS	-	DATE	07/09/2024
CHECKED	JK	REVISIONS	-	DATE	07/09/2024
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PLOT DATE	7/9/2024	REVISIONS	-	DATE	07/09/2024

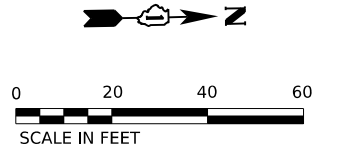
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS**  
 SCALE: 1"=20'    SHEET 6 OF 7 SHEETS    STA. 70+00 TO STA. 82+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	97
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

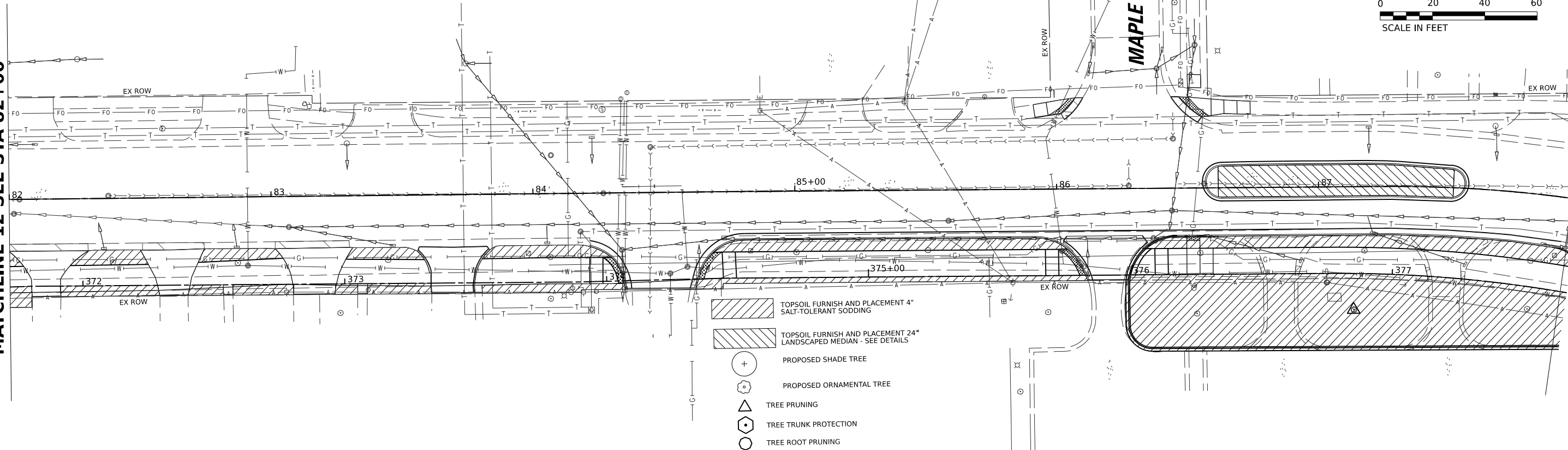
**NOTES**

1. NEW TREE LOCATION REFLECTED ON THE PLANS IS ESTIMATED. ANY TREE PLACEMENT CONFLICTS ARE SUBJECT TO CHANGE BY THE ENGINEER IN THE FIELD.

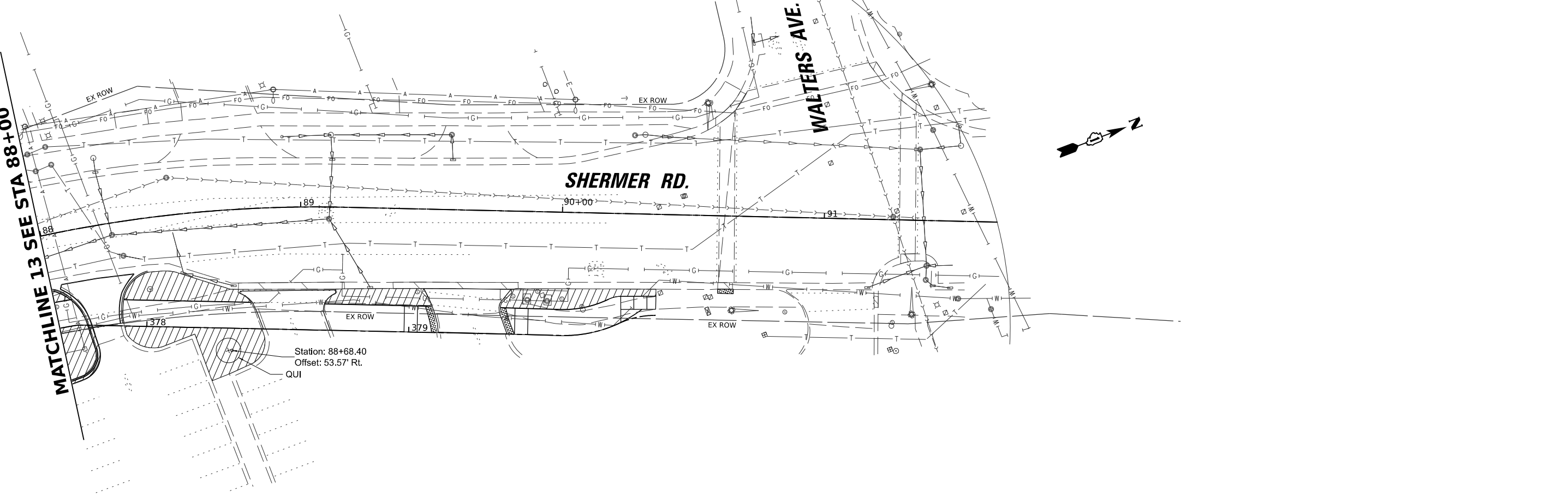


MATCHLINE 12 SEE STA 82+00

MATCHLINE 13 SEE STA 88+00



MATCHLINE 13 SEE STA 88+00



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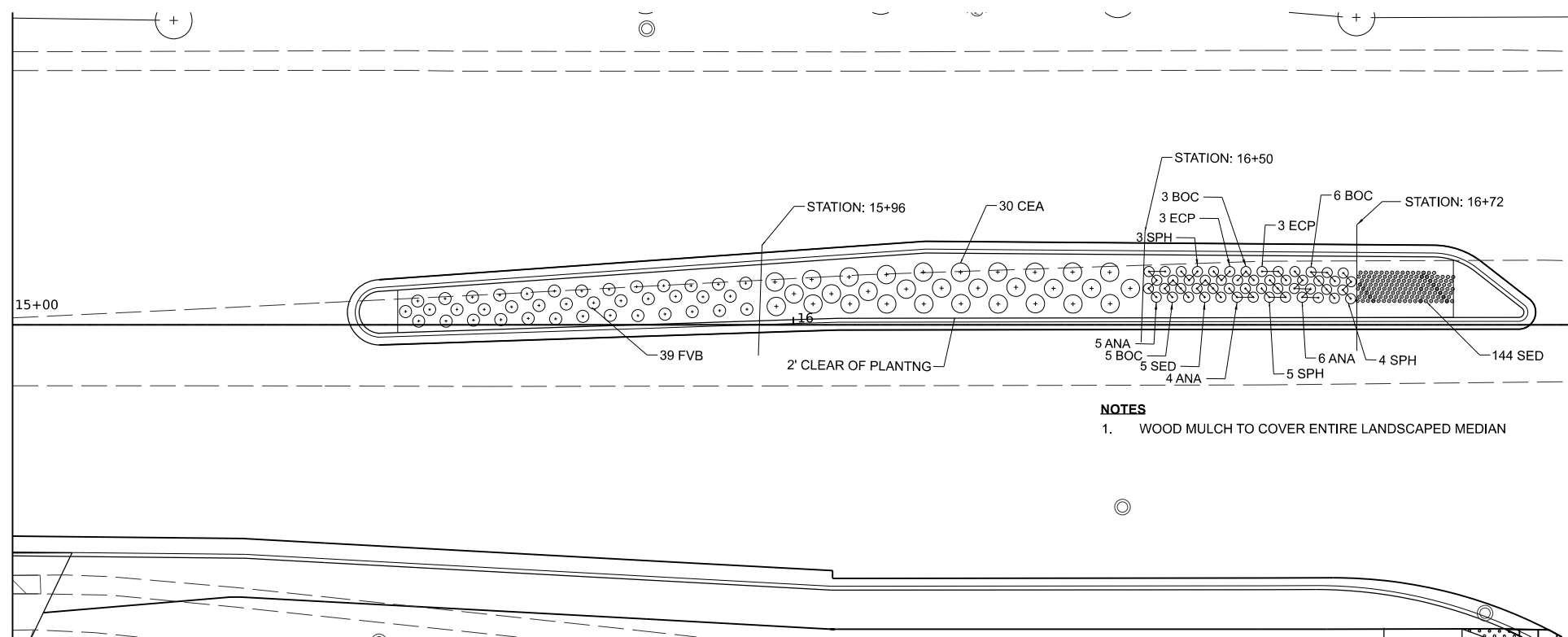
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PLOT DATE = 7/9/2024	CHECKED - JK	REVISED -
	DATE - 07/09/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS**

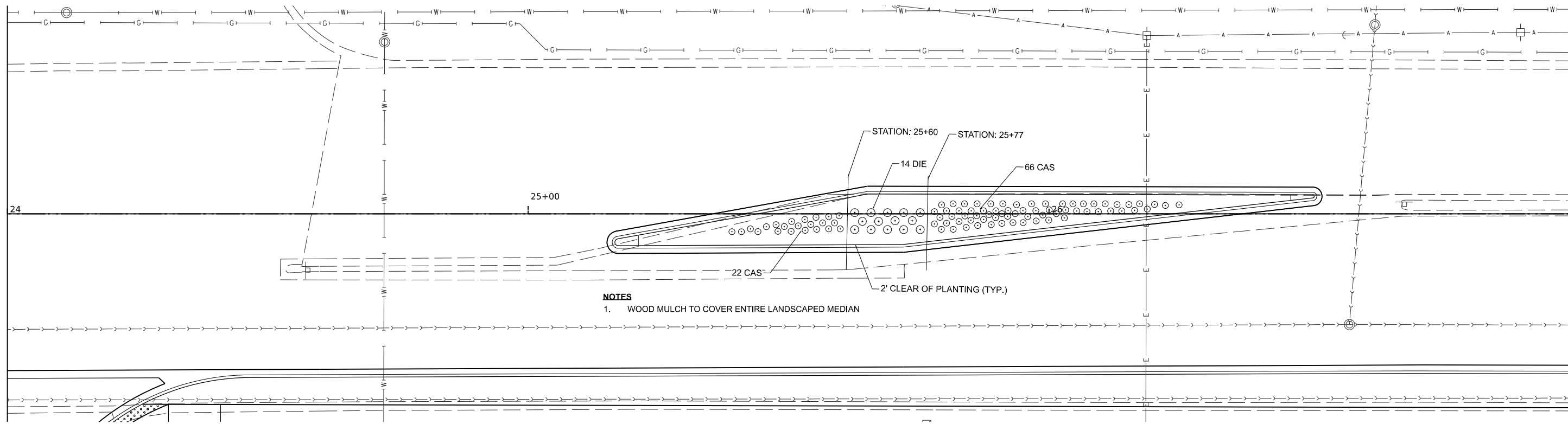
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	99
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



**NOTES**  
1. WOOD MULCH TO COVER ENTIRE LANDSCAPED MEDIAN

**LANDSCAPE MEDIAN #1**



**NOTES**  
1. WOOD MULCH TO COVER ENTIRE LANDSCAPED MEDIAN

**LANDSCAPE MEDIAN #2**

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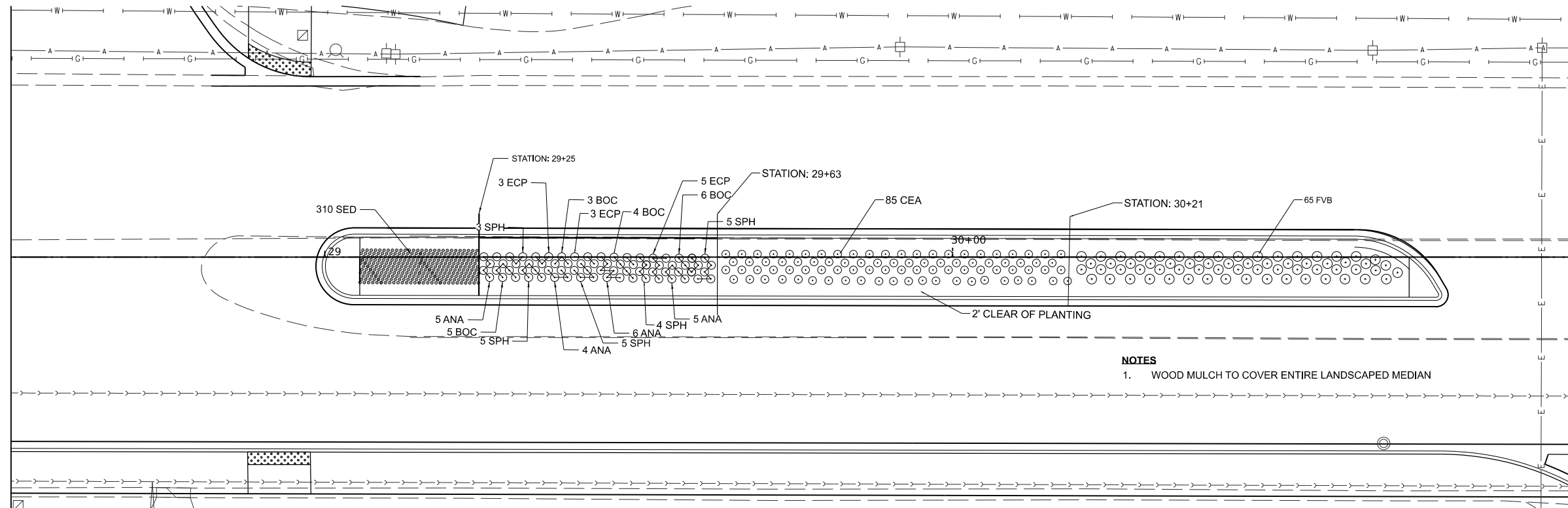
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DRAWN	DR	REVISIONS			
CHECKED	JK	DATE	07/09/2024		
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PLOT DATE	7/9/2024				

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

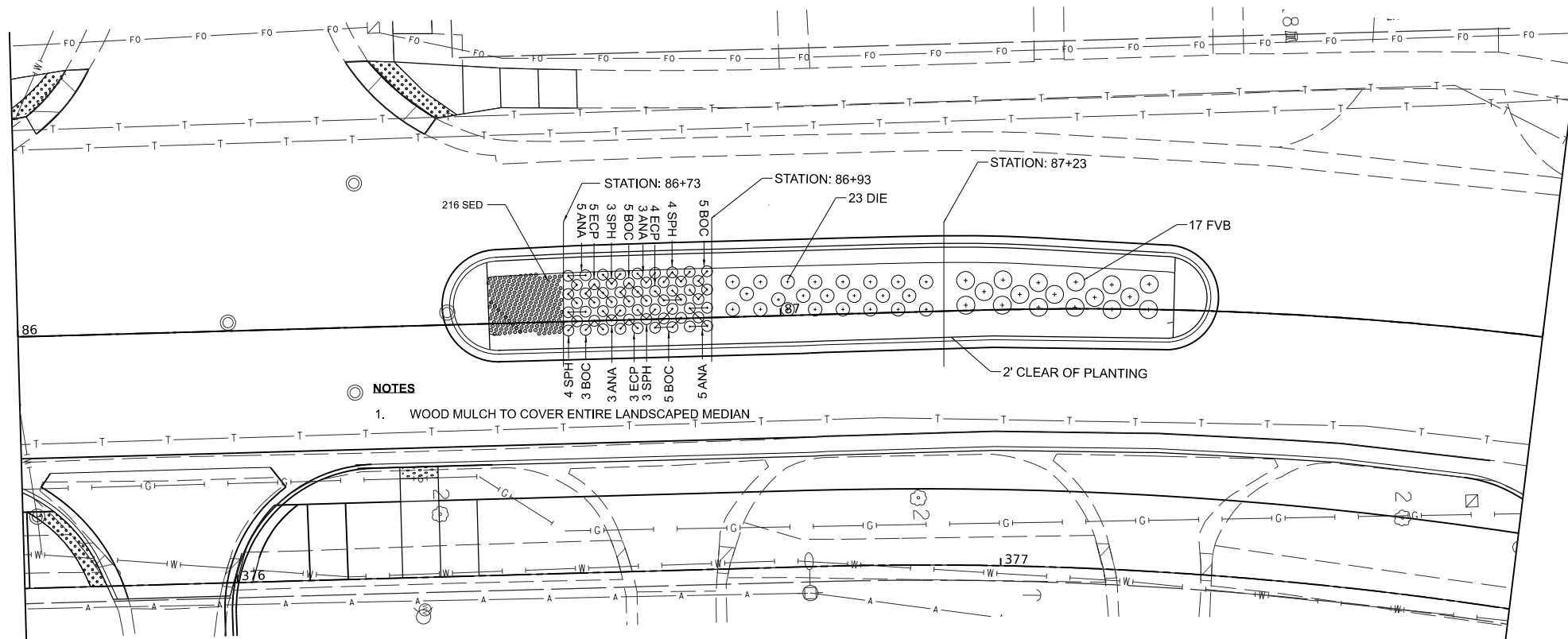
**SHERMER RD**  
**MEDIAN LANDSCAPE PLAN**

SCALE: 1"=10'  
 SHEET 1 OF 2 SHEETS  
 STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	99
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



**LANDSCAPE MEDIAN #3**



**LANDSCAPE MEDIAN #4**

MODEL: P:\CL1 - Median-3-1  
 FILE NAME: P:\PROJECTS\220002\2126\_C\_DESIGN\DWG\Working\Sheet\2126\_SHT\_Landscaping.dwg



USER NAME = spaladugu  
 PLOT SCALE = 0.16666685 1/ in.  
 PLOT DATE = 7/9/2024

DESIGNED - SP  
 DRAWN - DR  
 CHECKED - JK  
 DATE - 07/09/2024

REVISED - \_\_\_\_\_  
 REVISED - \_\_\_\_\_  
 REVISED - \_\_\_\_\_  
 REVISED - \_\_\_\_\_

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

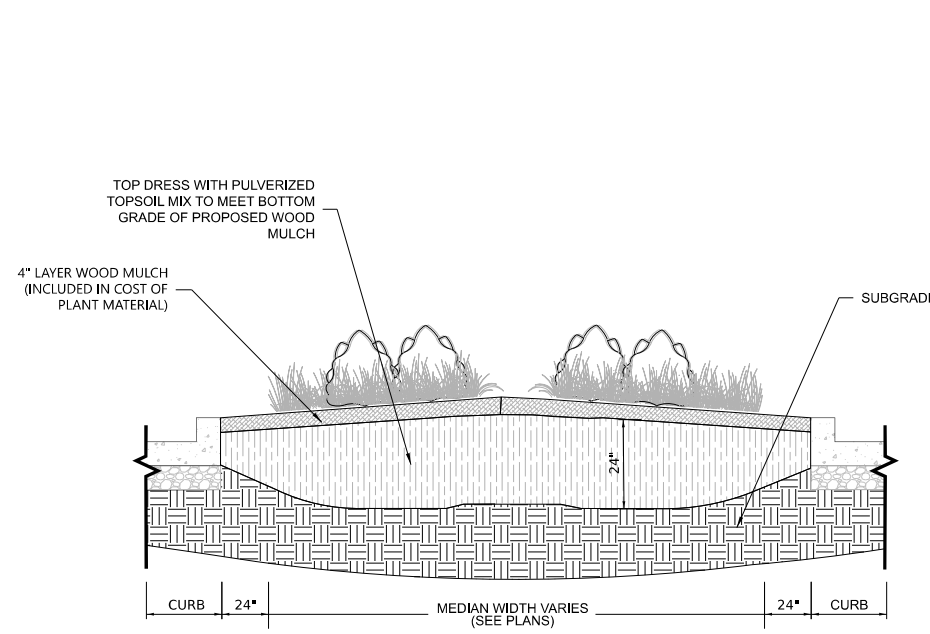
**SHERMER RD**  
**MEDIAN LANDSCAPE PLAN**  
 SCALE: 1"=10'  
 SHEET 2 OF 2 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	100
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

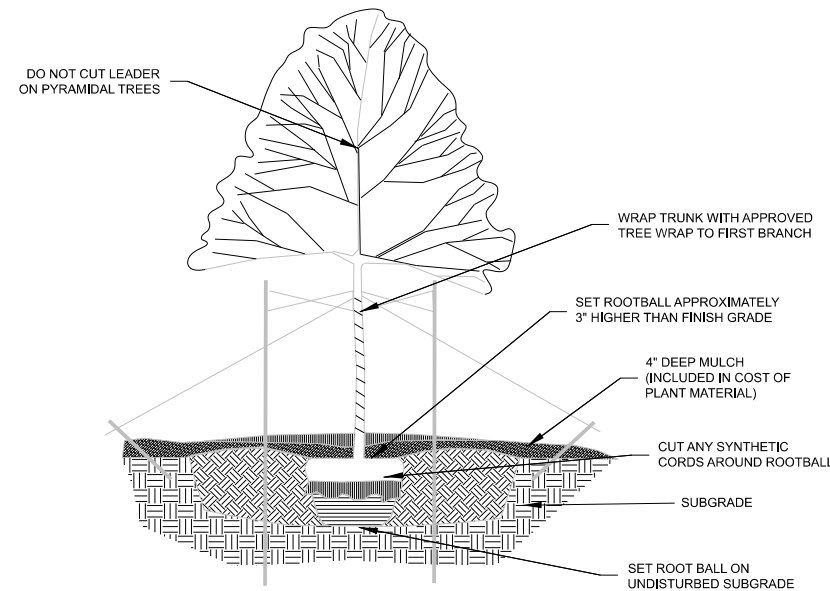
GENERAL CONSTRUCTION NOTES:

1. ALL ALTERATIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
2. CONTRACTORS MUST VERIFY ALL QUANTITIES AND OBTAIN ALL PROPER PERMITS AND LICENSES FROM THE PROPER AUTHORITIES.
3. ALL LANDSCAPE IMPROVEMENTS SHALL MEET MUNICIPALITY REQUIREMENTS AND GUIDELINES, WHICH SHALL BE VERIFIED BY MUNICIPAL AUTHORITIES.
4. ALL MATERIAL MUST MEET INDUSTRY STANDARDS AND THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REFUSE ANY POOR MATERIAL OR WORKMANSHIP.
5. LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR UNSEEN SITE CONDITIONS.
6. EXCAVATE MEDIANS TO A DEPTH OF 24" AND BACKFILL WITH TOPSOIL, AND WOOD MULCH (SEE PLANS).
7. PROVIDE POSITIVE DRAINAGE AT ALL TIMES. DO NOT OBSTRUCT NATURAL OR DESIGNED DRAINAGE FLOW PATTERN.
8. ANY IMPORTED TOPSOIL SHALL BE SCREENED AND NOT CONTAIN STONES, LARGE CLUMPS GREATER THAN 1", ROOTS, OR ANY DEBRIS.
9. ALL PLANTINGS SHALL BE SPACED EQUAL DISTANT, BACKFILLED WITH AMENDED SOIL IN A HOLE TWICE THE ROOT BALL DIAMETER, WATERED, FERTILIZED, PRUNED AND HAVE ALL TAGS AND ROPES REMOVED.
10. TREES SHALL BE STAKED AND GUYED AND WATERING SAUCER AT BASE.
11. ALL MASS PLANTED SHRUB BEDS TO BE BERMED 2" TO 3" ABOVE GRADE AND MEET DRAINAGE REQUIREMENTS.
12. PROVIDE POSITIVE DRAINAGE AT ALL TIMES, DO NOT OBSTRUCT NATURAL OR DESIGNED DRAINAGE FLOW.
13. THE NOSES OF LANDSCAPE PLANTING BEDS, ADJACENT TO CURB, SHALL USE BARRIER FABRIC UNDER COBBLE MULCH. .
14. LAWN AND BED AREAS SHALL BE ROTO TILLED AND CLUMPS OF SOIL, AGGREGATES AND DEBRIS RAKED OUT AND REMOVED FROM THE SITE.

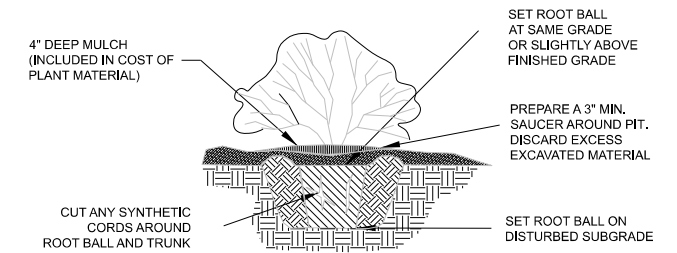
Coded Pay Item Number	Item description	Qty	Code	Botanical Name	Common Name	SIZE	SPACING
<b>Trees</b>							
A2002820	TREE, CATALPA SPECIOSA (NORTHERN CATALPA), 2-1/2" CALIPER, BALLED AND BURLAPPED	5	CAT	Catalpa speciosa	Northern Catalpa	2.5" B&B	SEE PLANS
A2002920	TREE, CELTIS OCCIDENTALIS, (COMMON HACKBERRY), 2.5" CALIPER, BALLED AND BURLAPPED	11	COC	Celtis occidentalis	Common Hackberry	2.5" B&B	SEE PLANS
A2004514	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 2-1/2" CALIPER BALLED AND BURLAPPED	6	GAG	Ginkgo biloba 'Autumn Gold' (fruitless male)	Autumn Gold Ginkgo	2.5" B&B	SEE PLANS
A2005040	TREE, GYMNOCLADUS DIOICUS ESPRESSO-JFS (ESPRESSO KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	11	GDE	Gymnocladus dioica 'Espresso'	Espresso Kentucky Coffeetree	2.5" B&B	SEE PLANS
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	11	QBI	Quercus bicolor	Swamp White Oak	2.0" B&B	SEE PLANS
A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	12	QUM	Quercus macrocarpa	Bur Oak	2.0" B&B	SEE PLANS
B2006290	TREE, SYRINGA RETICULATA BAILANCE (FIRST EDITION SNOWDANCE JAPANESE TREE LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	3	SIS	Syringa reticulata 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	2.5" B&B	SEE PLANS
A2008722	TREE, ULMUS PATRIOT (PATRIOT ELM), 2" CALIPER, BALLED AND BURLAPPED	2	UMP	Ulmus minor 'Patriot'	Patriot Elm	2.0" B&B	SEE PLANS
A2008752	TREE, ULMUS CARPINIFOLIA NEW HORIZON, (NEW HORIZON SMOOTHLEAF ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	2	UNH	Ulmus x 'New Horizon'	New Horizon Elm	2.5" B&B	SEE PLANS
A2007820	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2-1/2" CALIPER, BALLED AND BURLAPPED	12	TIL	Tilia americana	American Linden	2.5" B&B	SEE PLANS
<b>Shrubs</b>							
C2001049	SHRUB, CARYOPTERIS X CLANDONENSIS ARTHUR SIMMONDS (ARTHUR SIMMONDS BLUEBEARD), 1-GALLON	88	CAS	Caryopteris x clandonensis 'Arthur Simmonds'	Arthur Simmonds Bluebeard	1 GAL	24" o.c.
C2001120	SHRUB, CEANOTHUS AMERICANUS (NEW JERSEY TEA), CONTAINER GROWN, 3-GALLON	117	CEA	Ceanothus americanus	New Jersey Tea	3 GAL	36" o.c.
C20023G5	SHRUB, DIERVILLA LONICERA (BUSH HONEY SUCKLE), 5-GALLON	37	DIE	Diervilla lonicera	Dwarf Bush Honeysuckle	5 GAL	36" o.c.
C2C03118	SHRUB, FORSYTHIA VIRIDISSIMA BRONXENSIS (BRONX GREENSTEM FORSYTHIA), 18" WIDTH, CONTAINER	121	FVB	Forsythia viridissima 'Bronxensis'	Bronxensis Greenstem Forsythia	18" WIDTH CONT	24" o.c.
<b>Perennials-Grasses</b>							
K0012975	PERENNIAL PLANTS, ORNAMENTAL TYPE, 4" POT	6.70	ANA	Aster novae-angliae 'Purple Dome'	New England Aster 'Purple Dome'	1 GAL	18" o.c.
K0013020	PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT	1.77	BOC	Bouteloua curtipendula	Sideoats Grama	1 GAL	18" o.c.
			ECP	Echinacea Purpurea 'Prairie Splendor'	Coneflower	1 GAL	18" o.c.
			SPH	Sporobolus heterolepis	Prairie Dropseed	1 GAL	18" o.c.
			SED	Sedum Kamtschatium	Orange Stonecrop	4" POT	8" o.c.



**MEDIAN PLANTING DETAIL**  
NOT TO SCALE



**TREE PLANTING DETAIL**  
NOT TO SCALE



**SHRUB PLANTING DETAIL**  
NOT TO SCALE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAIL

USER NAME	spa/adugu	DESIGNED -	JGC	REVISED -	_____
DRAWN	DMR	REVISED -	_____		
PLOT SCALE	= 2.0 / in.	CHECKED -	JRK	REVISED -	_____
PLOT DATE	= 7/10/2024	DATE	04/12/2024	REVISED -	_____

SCALE:	NA	SHEET	1	OF	1	SHEETS	STA.	NA	TO STA.	NA
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00BT	COOK	182	101
CONTRACT NO. 61K70				
ILLINOIS   FED. AID PROJECT				

MODEL: I:\EP... PROJECTS\2020\23126\02\3126\02\3126\02\3126\_SHT\_Landscape-Detail.dgn

# TRAFFIC SIGNAL LEGEND

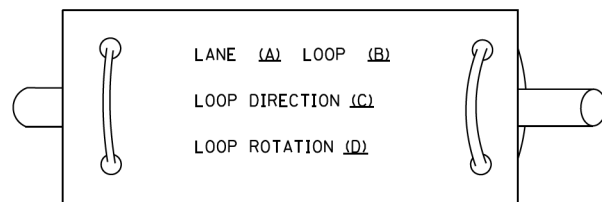
(NOT TO SCALE)

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

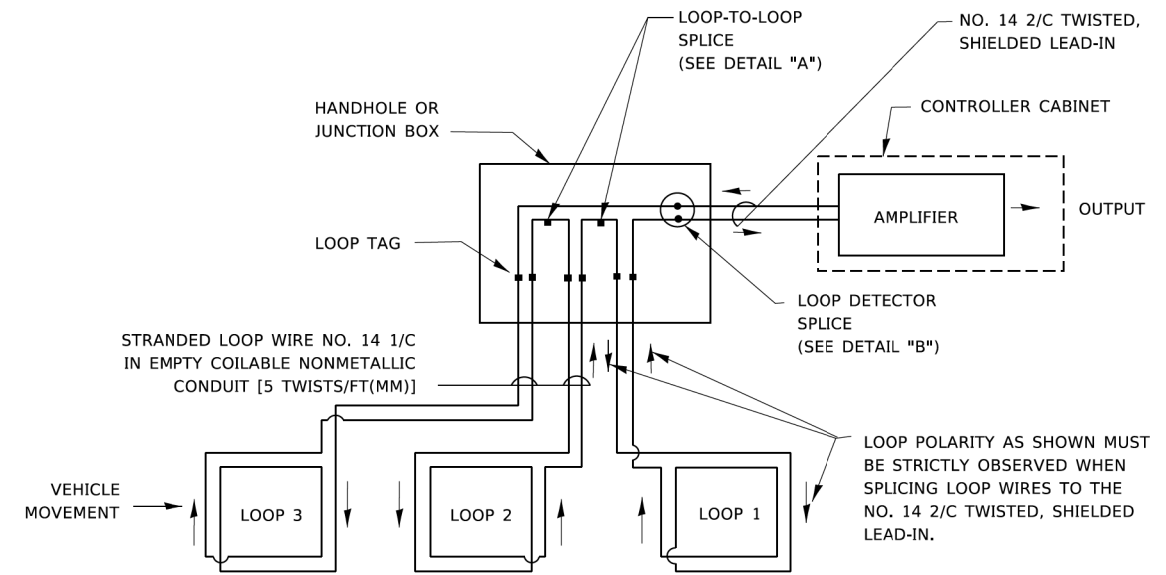
**LOOP DETECTOR NOTES**

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

**LOOP LEAD-IN CABLE TAG**

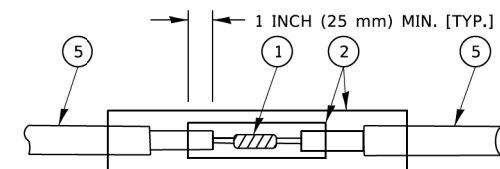


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

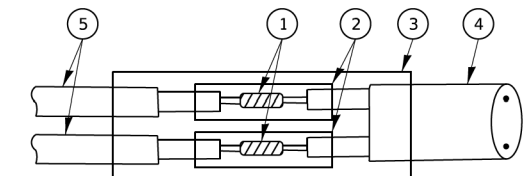


**DETECTOR LOOP WIRING SCHEMATIC**

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

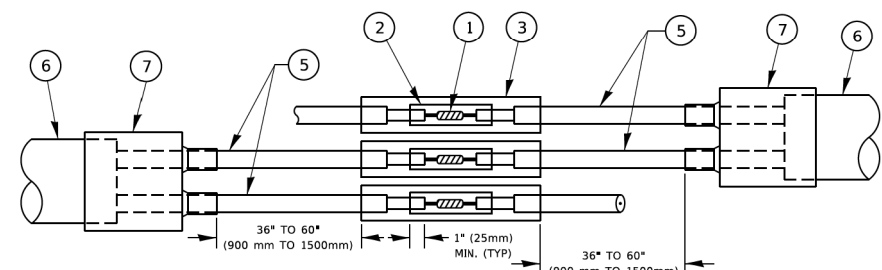


DETAIL "A"  
LOOP-TO-LOOP SPLICE

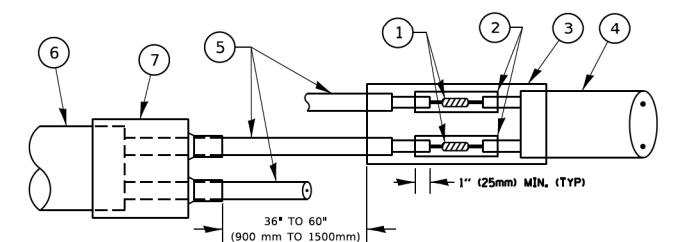


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

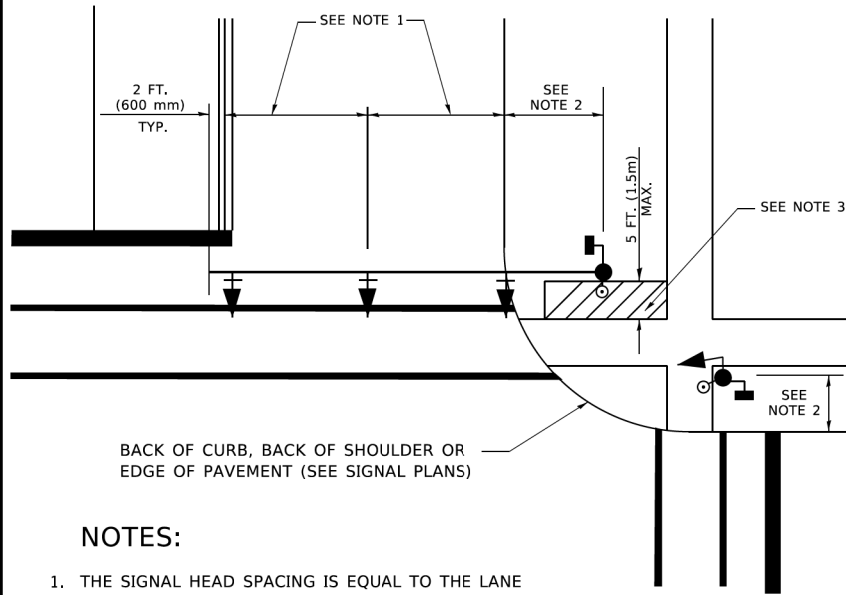
**LOOP DETECTOR SPLICE**

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

USER NAME = footemj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -			SCALE: NONE	SHEET 2 OF 7 SHEETS	22-00183-00-BT		182	103
PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED -			STA.	TO STA.	TS-05	CONTRACT NO. 61K70		
PLOT DATE = 3/4/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

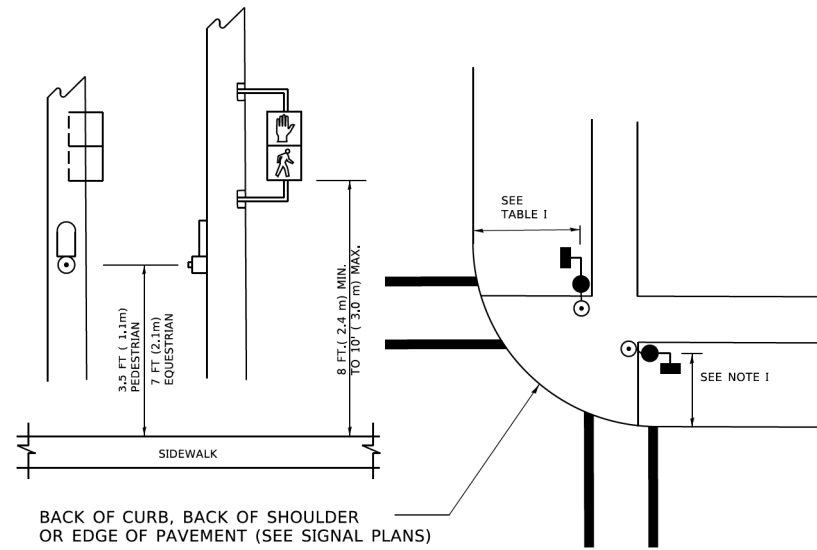
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**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."

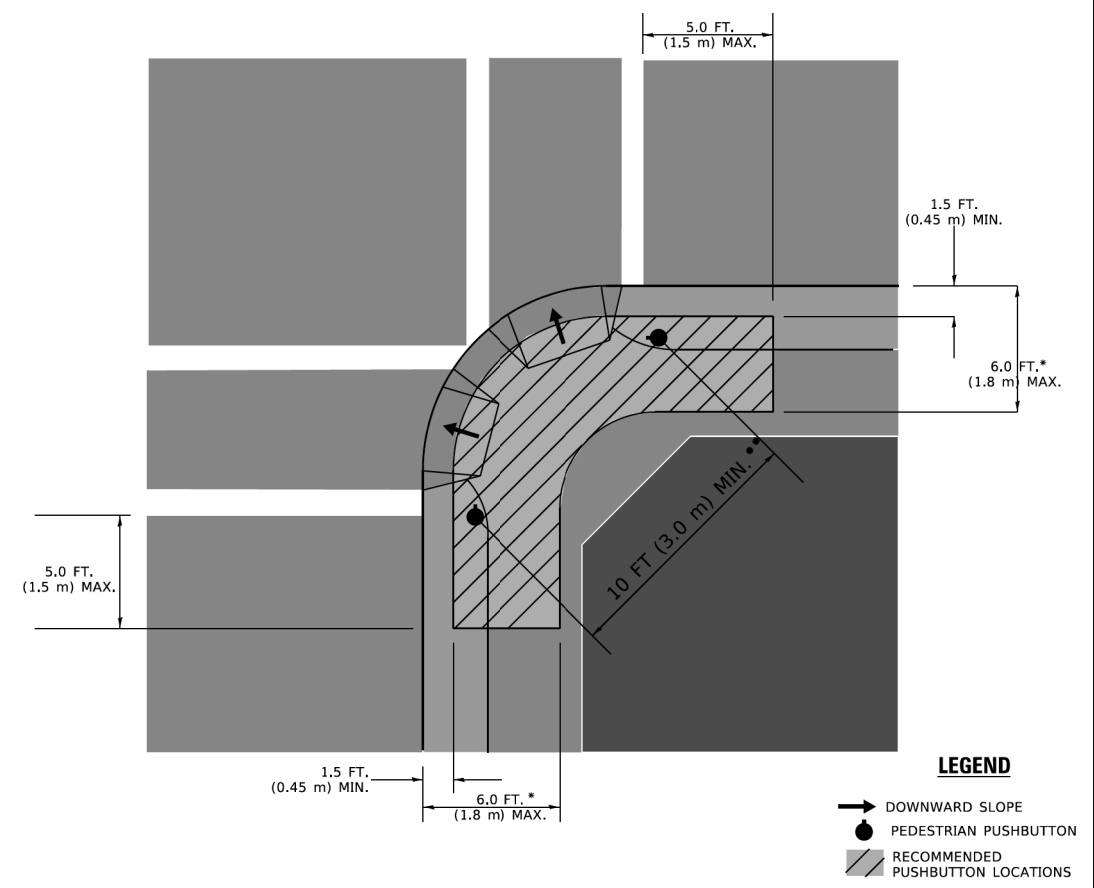
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**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**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- \* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- \*\* WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) 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 (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), 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 (1.3m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

**NOTES:**

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

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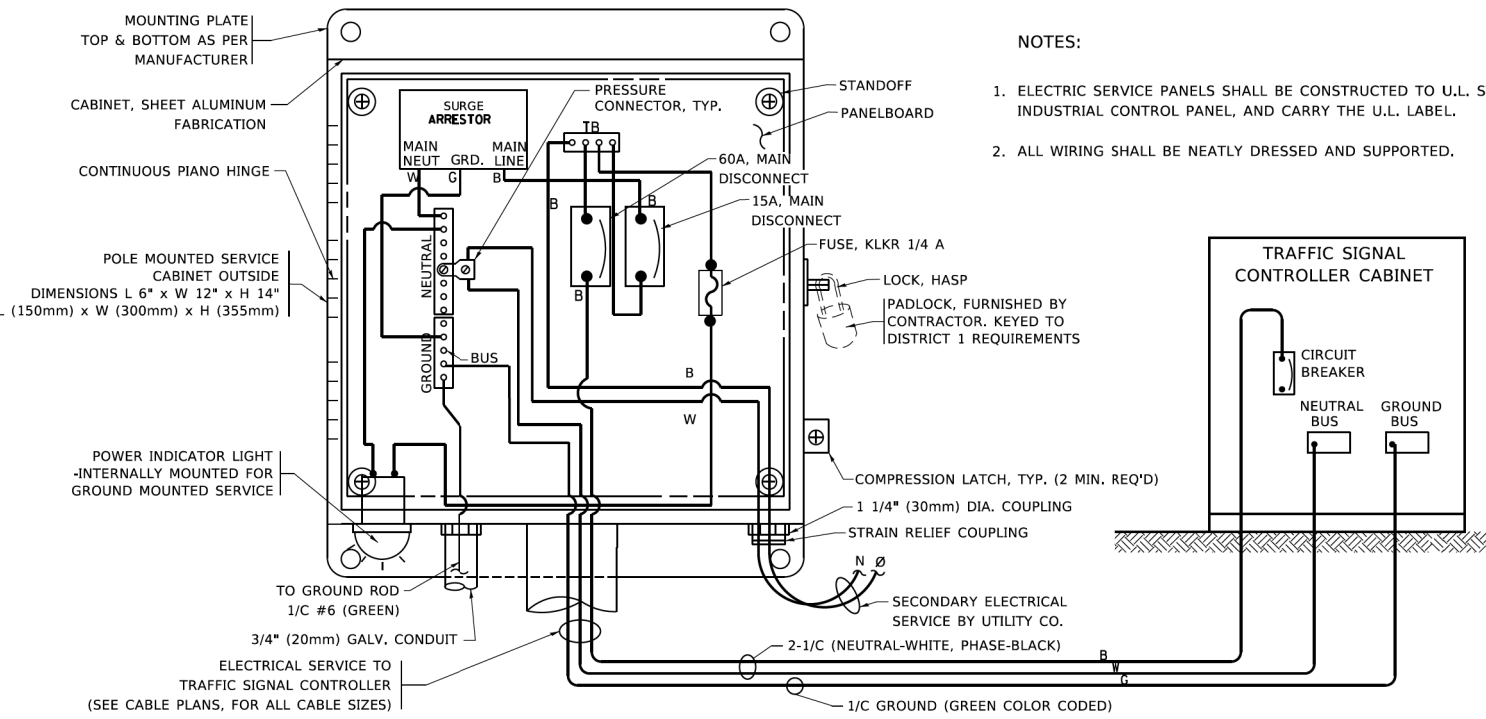
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

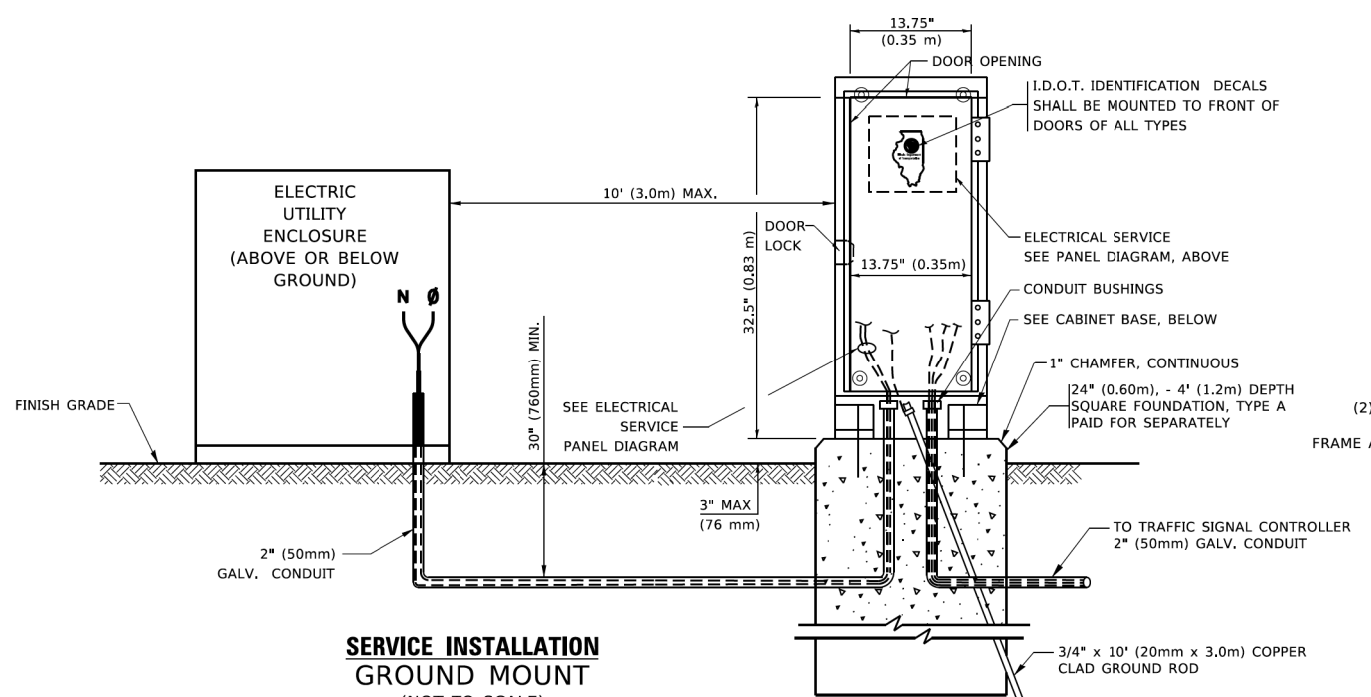
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TS-05			CONTRACT NO. 61K70	
ILLINOIS FED. AID PROJECT				

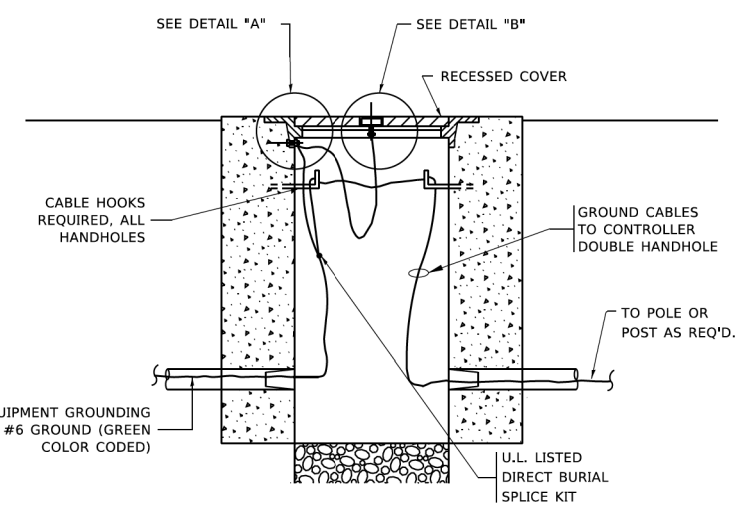
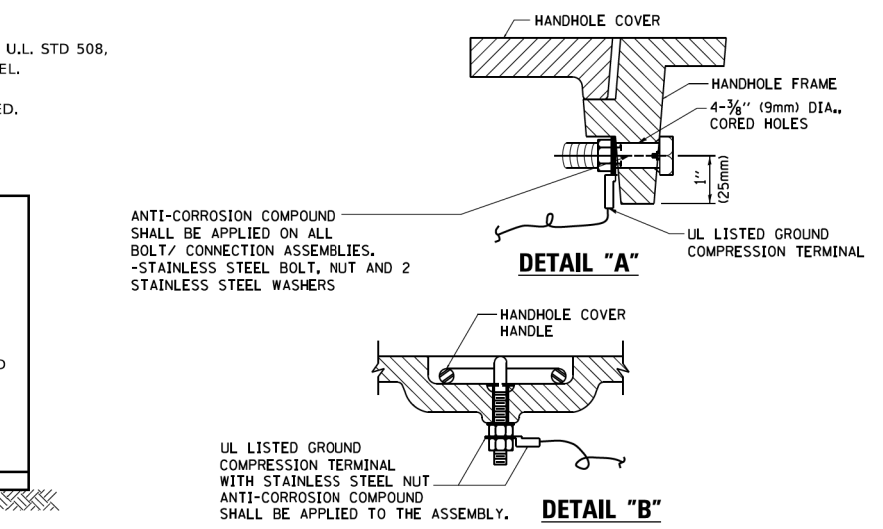
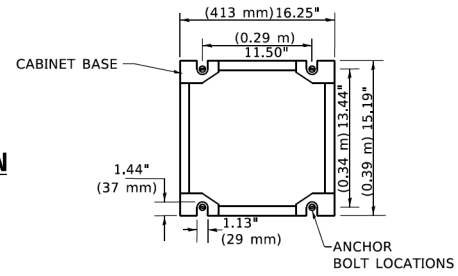




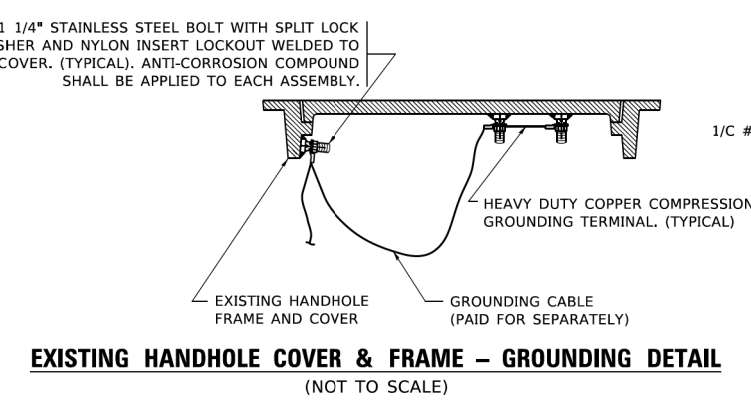
**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



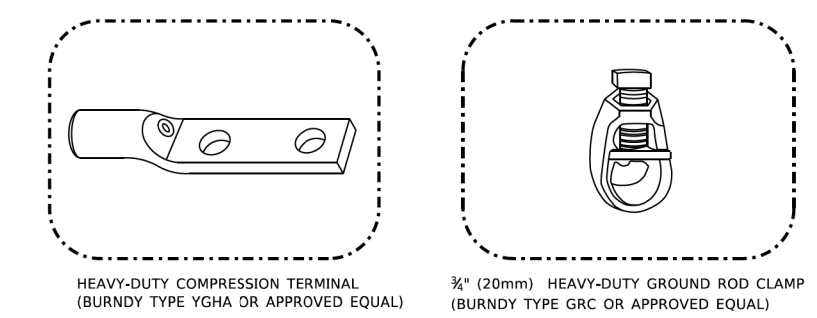
**CABINET – BASE BOLT PATTERN**  
 (NOT TO SCALE)



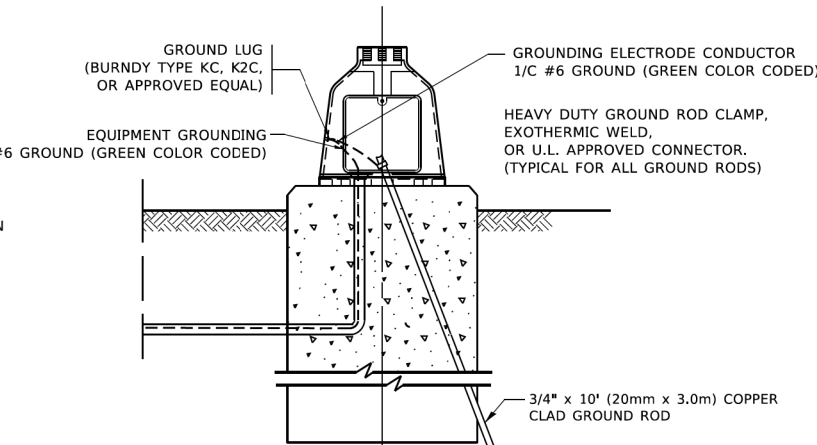
**HANDHOLE COVER & FRAME – GROUNDING DETAIL**  
 (NOT TO SCALE)



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



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



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

**NOTES:**  
**GROUNDING SYSTEM**

- 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.
- 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.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

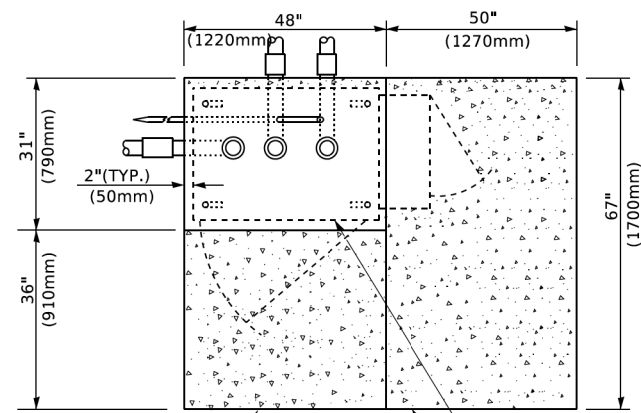
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

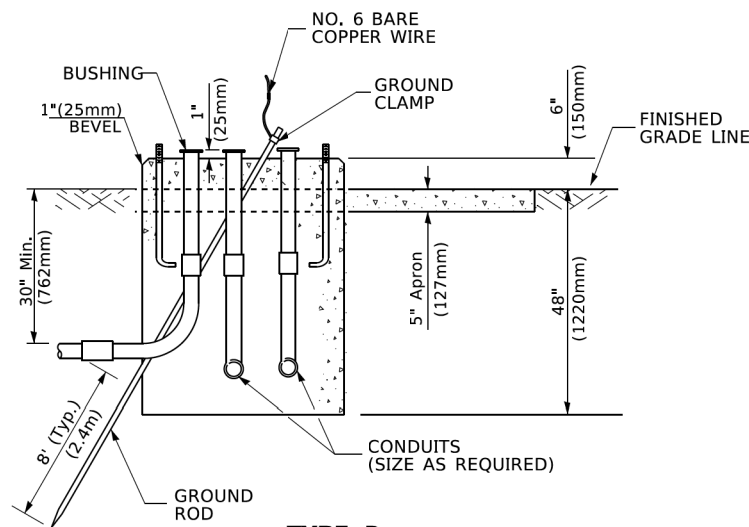
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**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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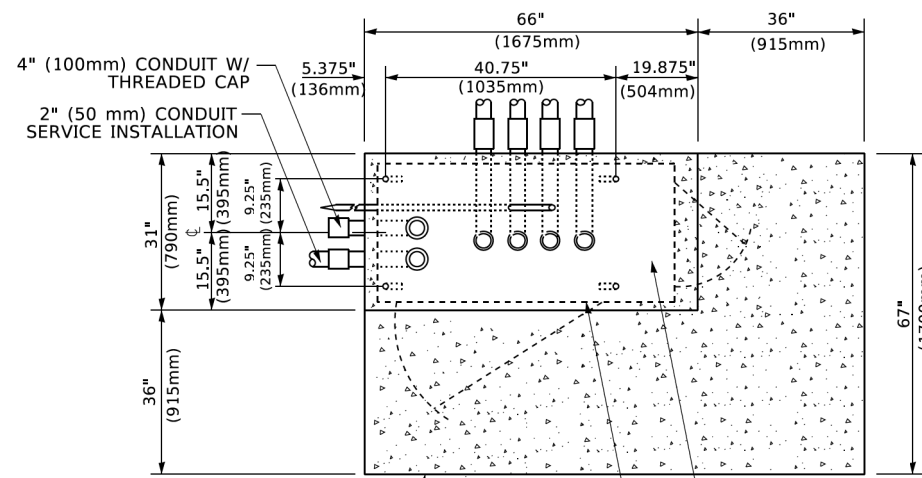
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TS-05		CONTRACT NO. 61K70		
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**TOP VIEW**



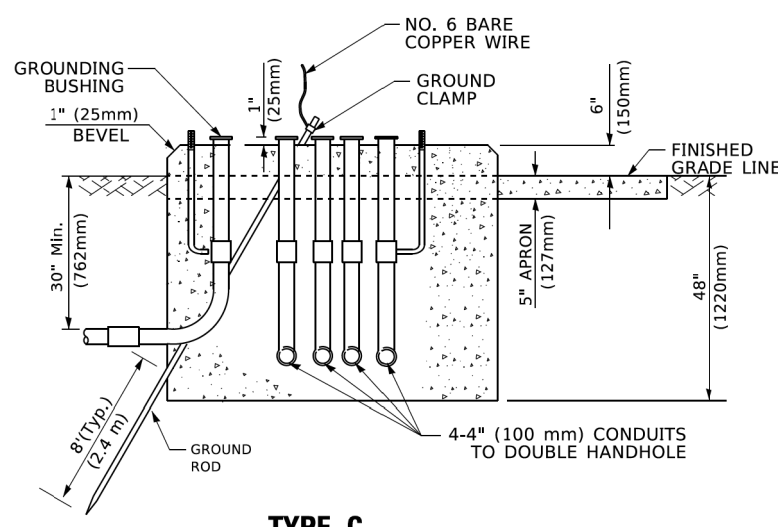
**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



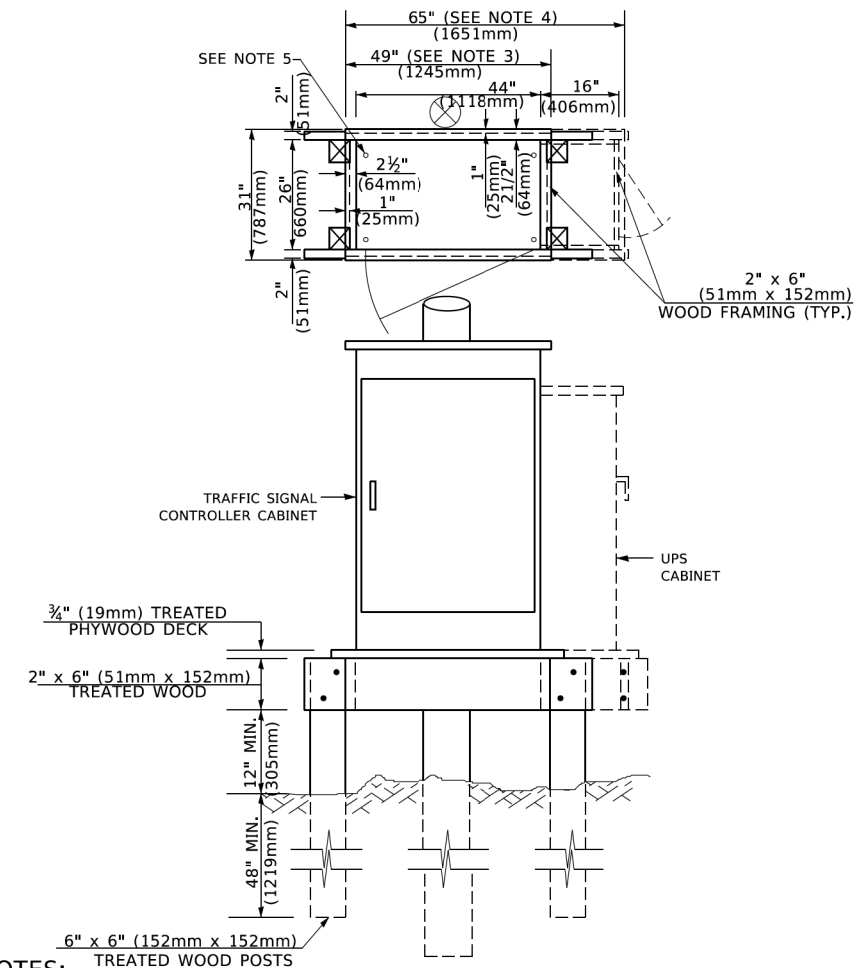
**TOP VIEW**

**NOTE:**

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



**NOTES:**

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

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

**CABLE SLACK**

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

**VERTICAL CABLE LENGTH**

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

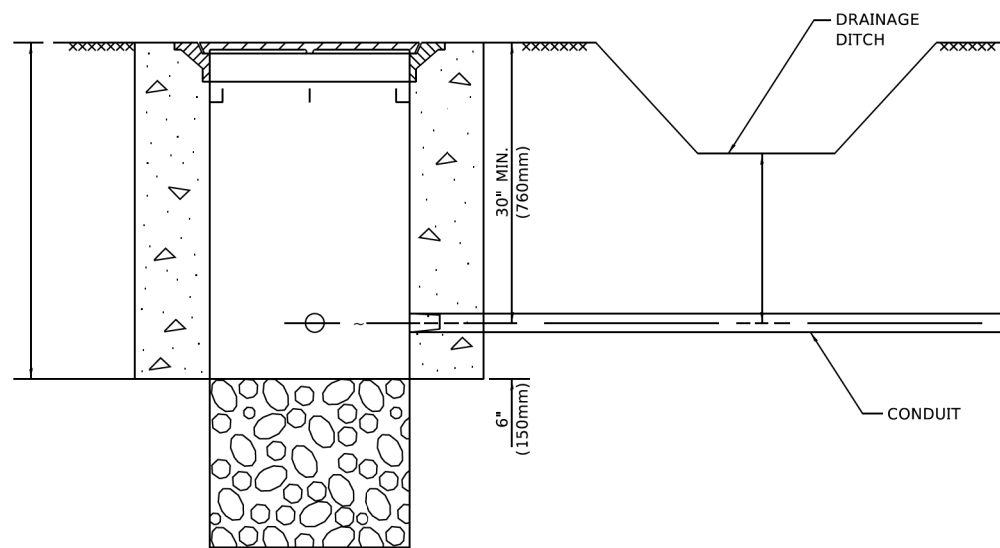
**DEPTH OF FOUNDATION**

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

**NOTES:**

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

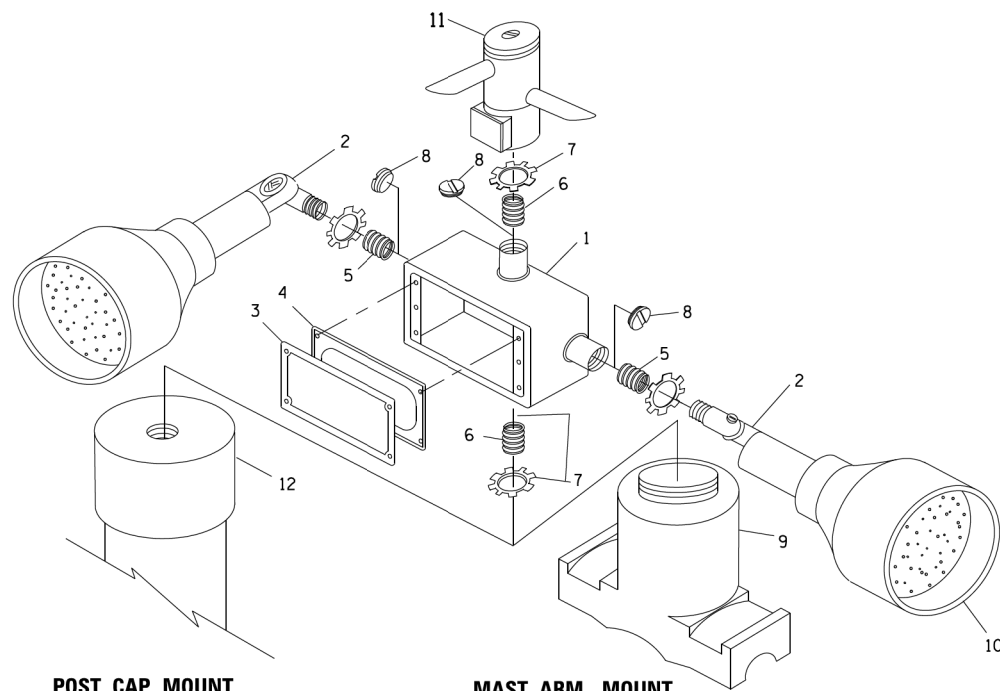
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**



**NOTES:**

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

**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)

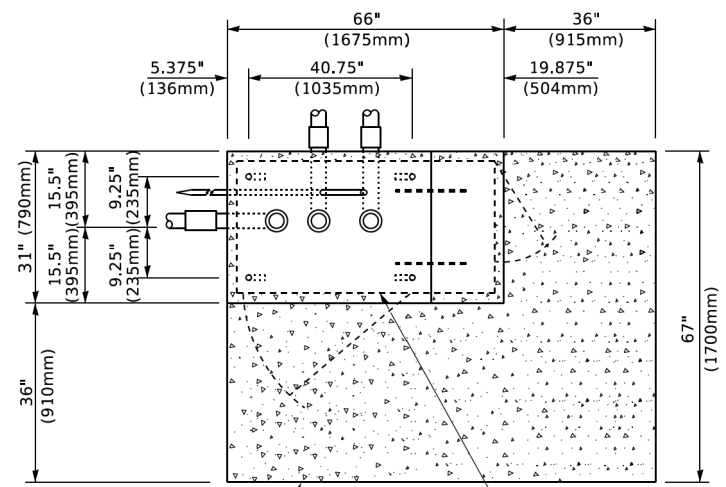


**POST CAP MOUNT**      **MAST ARM MOUNT**  
**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION**  
**BEACON MOUNTING DETAIL**

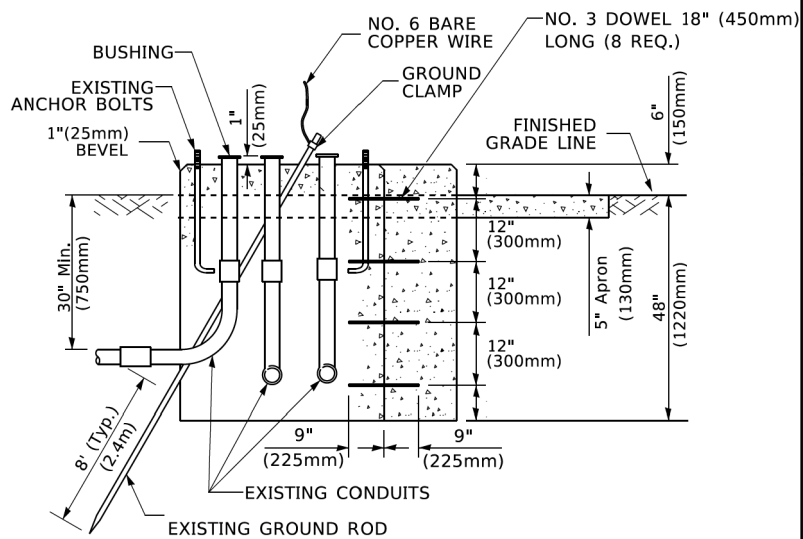
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT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

**NOTES:**

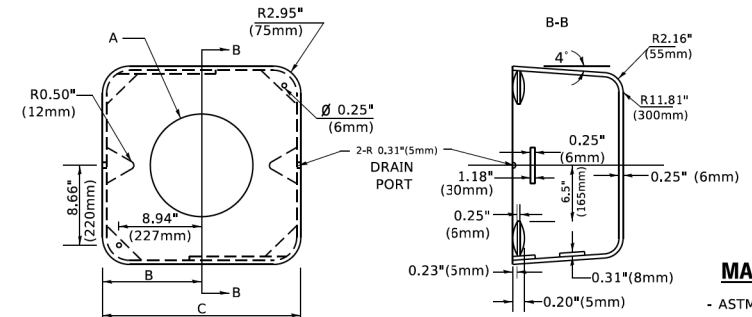
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED.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



**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)

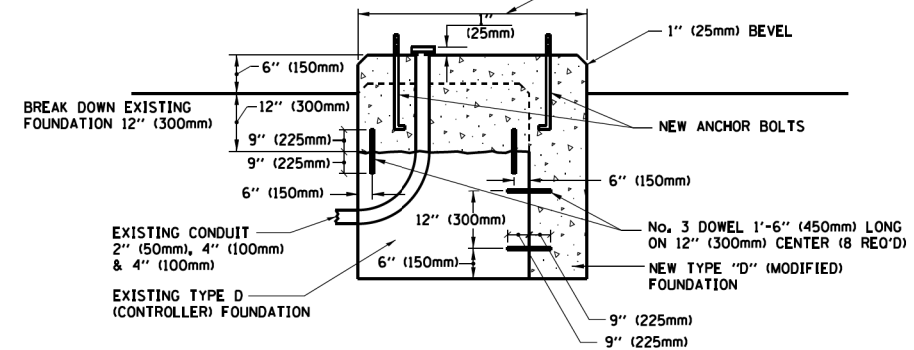
**SHROUD**

**NOTES:**

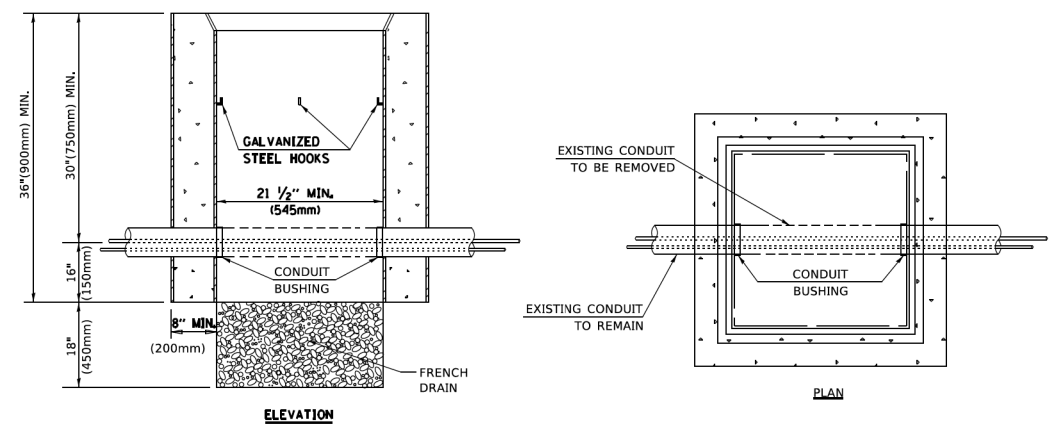
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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



**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**

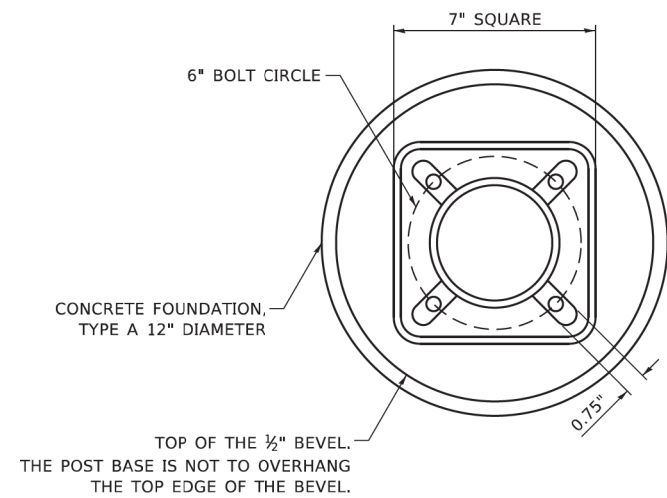
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

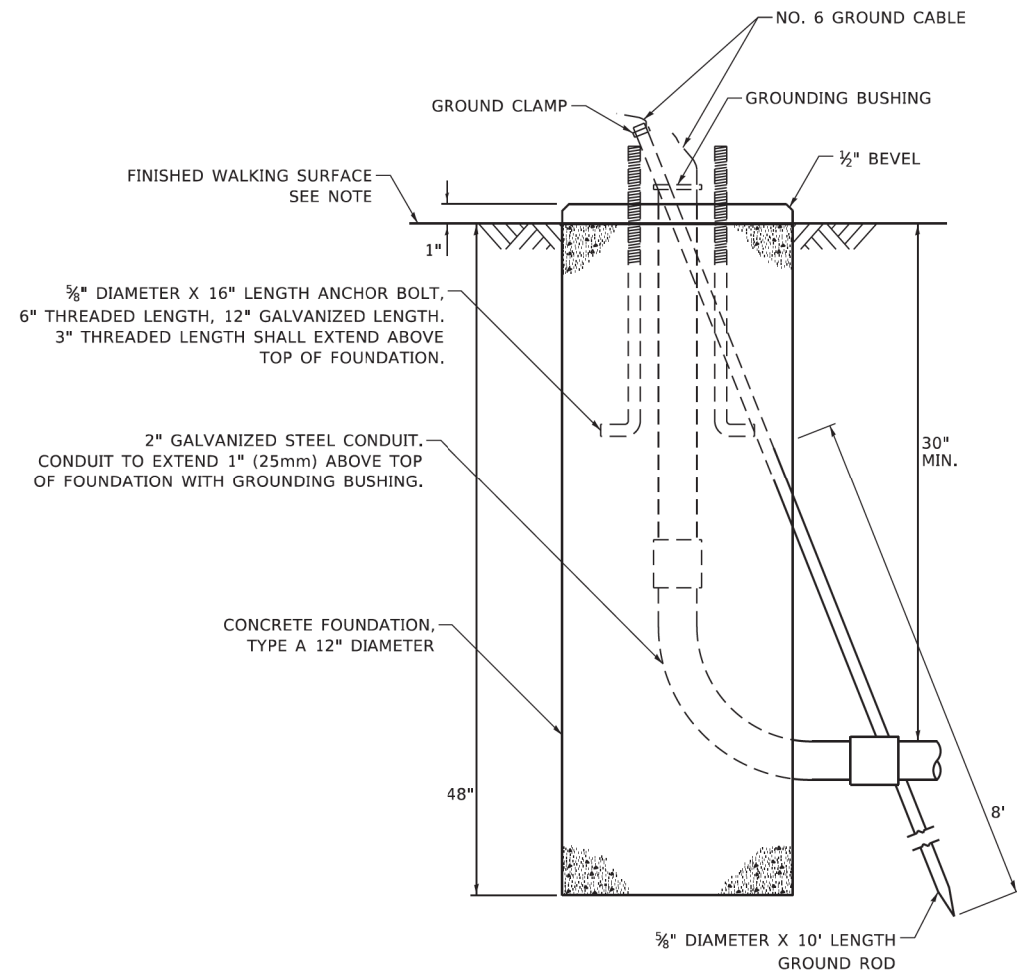
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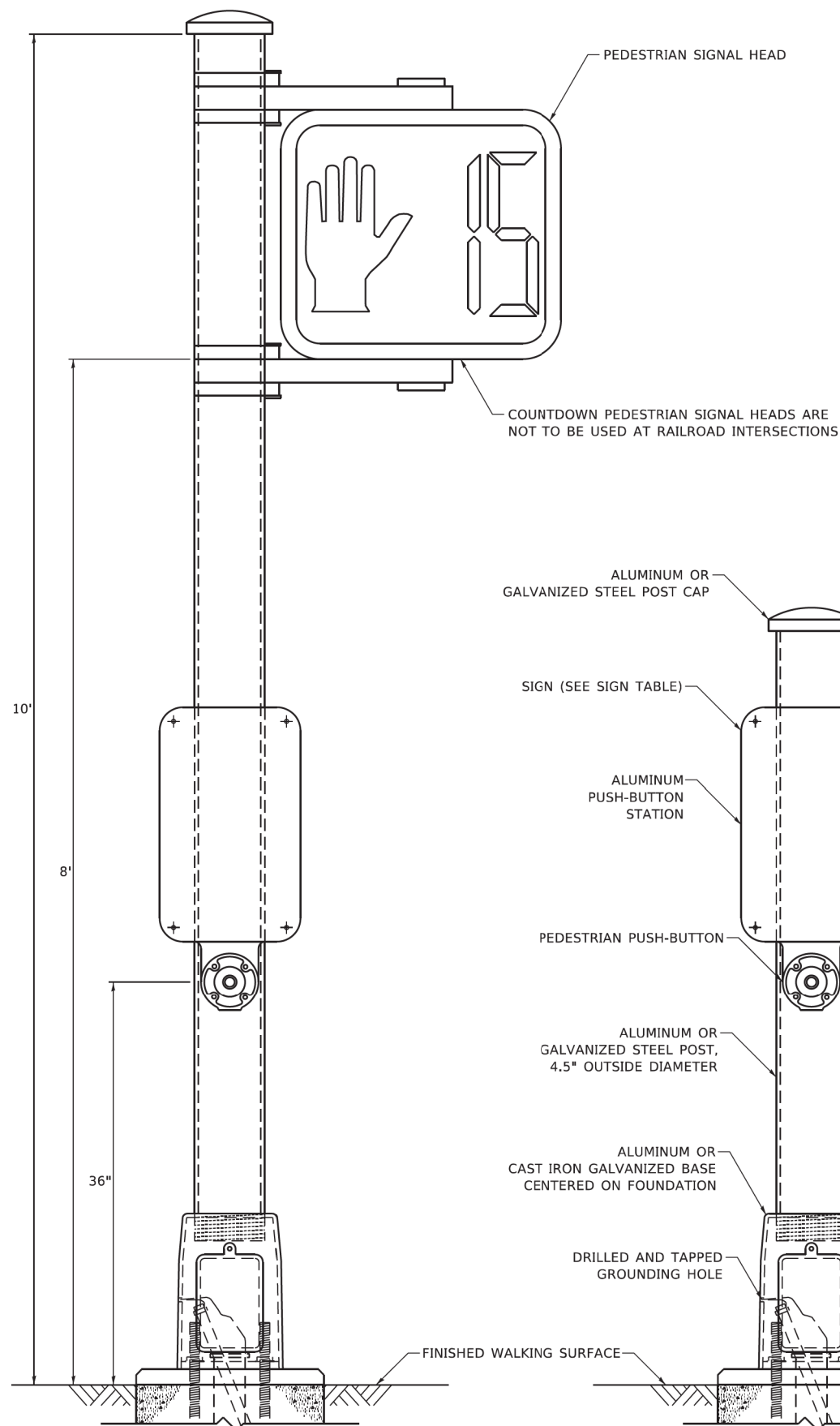
**BOLT PATTERN**

**NOTE:**

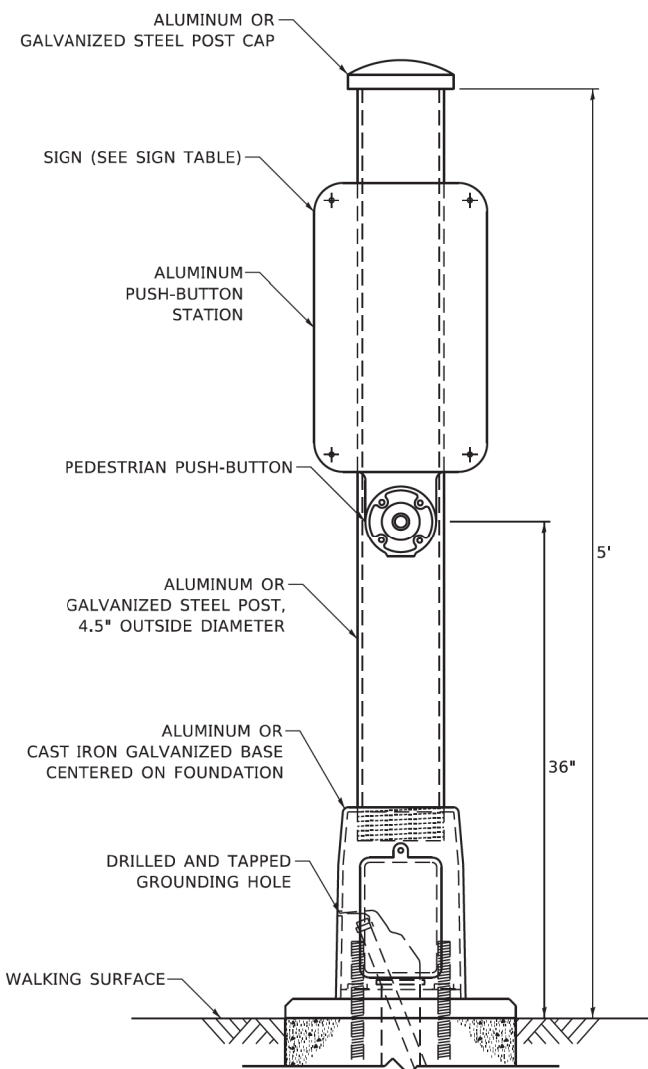
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



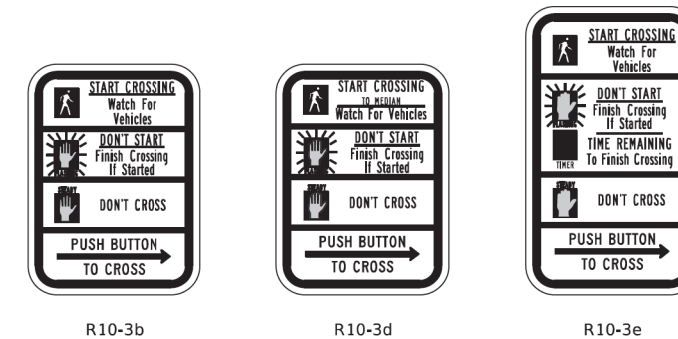
**CONCRETE FOUNDATION,  
TYPE A 12-INCH DIAMETER**



**PEDESTRIAN SIGNAL POST, 10 FT.**



**PEDESTRIAN SIGNAL POST, 5 FT.**

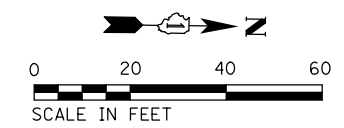


**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

**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.



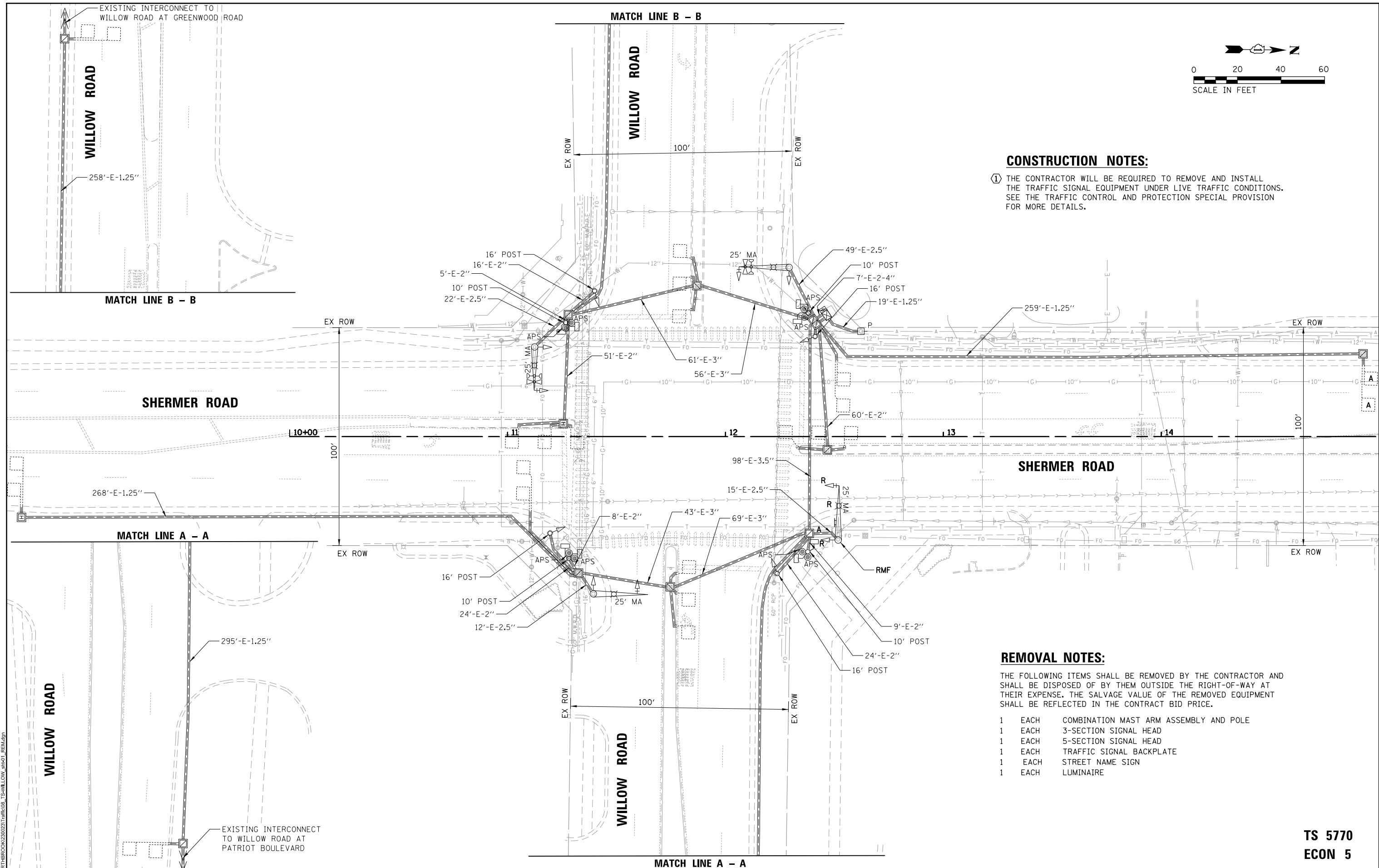
**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND INSTALL THE TRAFFIC SIGNAL EQUIPMENT UNDER LIVE TRAFFIC CONDITIONS. SEE THE TRAFFIC CONTROL AND PROTECTION SPECIAL PROVISION FOR MORE DETAILS.

**REMOVAL NOTES:**

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

- 1 EACH COMBINATION MAST ARM ASSEMBLY AND POLE
- 1 EACH 3-SECTION SIGNAL HEAD
- 1 EACH 5-SECTION SIGNAL HEAD
- 1 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH STREET NAME SIGN
- 1 EACH LUMINAIRE



MODEL: D:\hamb\...  
 FILE NAME: ...  
 PROJECT: ...  
 DATE: ...

USER NAME =	hambur	DESIGNED -	PJA	REVISED -	
DRAWN -	FPB/PJA	REVISED -			
PLOT SCALE =	40'	CHECKED -	GMZ	REVISED -	
PLOT DATE =	7/17/2024	DATE -		REVISED -	

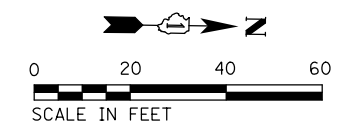
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN**  
**SHERMER ROAD AT WILLOW ROAD**

SCALE: 1" = 40'      SHEET      OF      SHEETS      STA.      TO      STA.

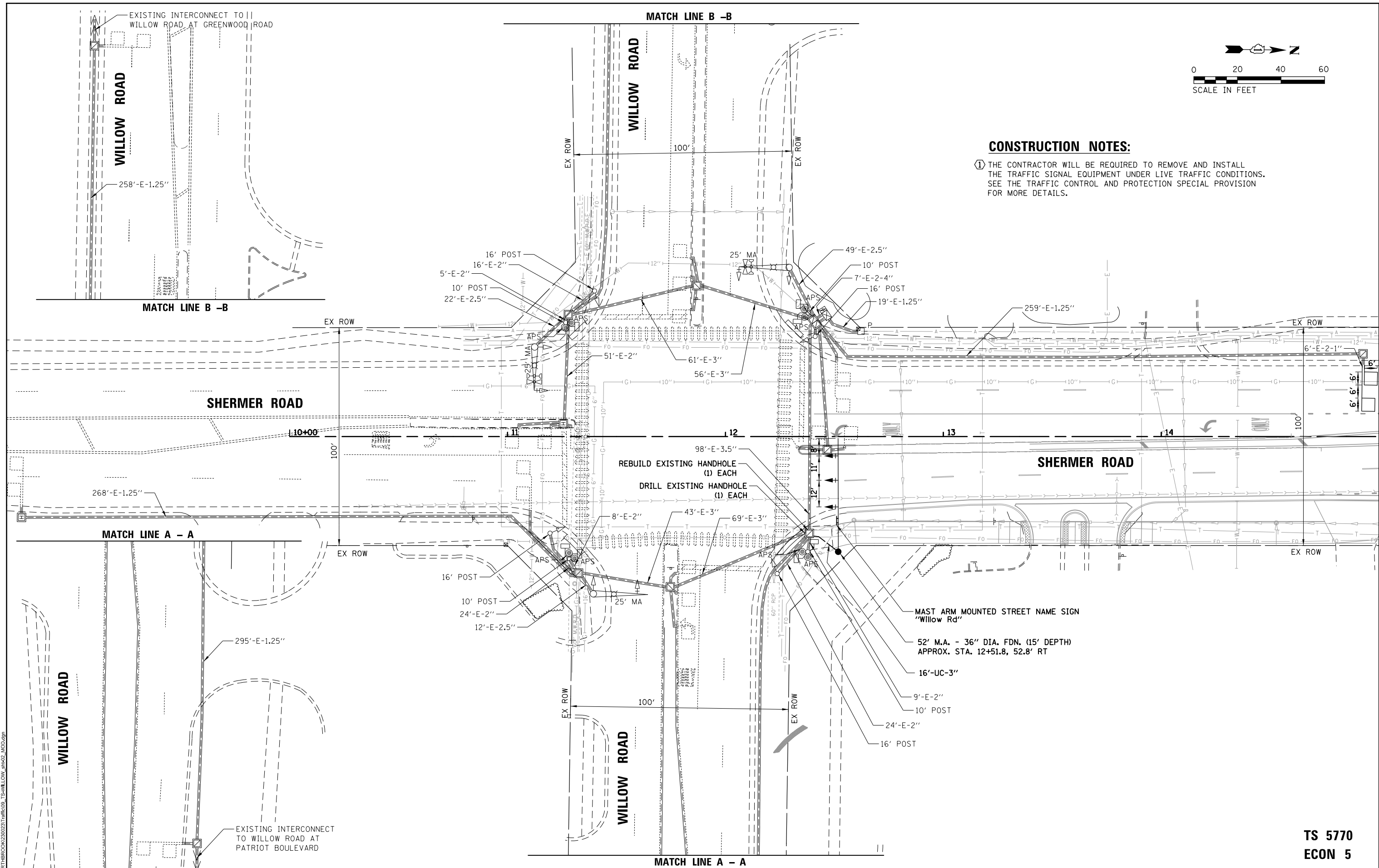
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	109
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

**TS 5770**  
**ECON 5**



**CONSTRUCTION NOTES:**

① THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND INSTALL THE TRAFFIC SIGNAL EQUIPMENT UNDER LIVE TRAFFIC CONDITIONS. SEE THE TRAFFIC CONTROL AND PROTECTION SPECIAL PROVISION FOR MORE DETAILS.



MODEL: D:\hntb\...  
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DRAWN - FPB/PJA	REVISED -	
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PLOT DATE = 7/17/2024	DATE -	REVISED -

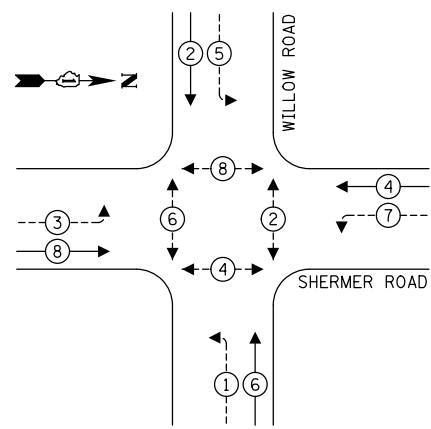
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN	
SHERMER ROAD AT WILLOW ROAD	
SCALE: 1" = 40'	SHEET OF SHEETS STA. TO STA.

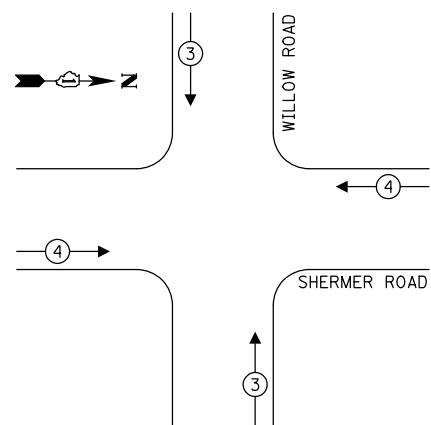
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	110
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

**TS 5770  
ECON 5**

**CONTROLLER SEQUENCE**



**EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**LEGEND:**

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - → PROTECTED/PERMITTED PHASE
- ← ⊙ ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL → OVERLAP

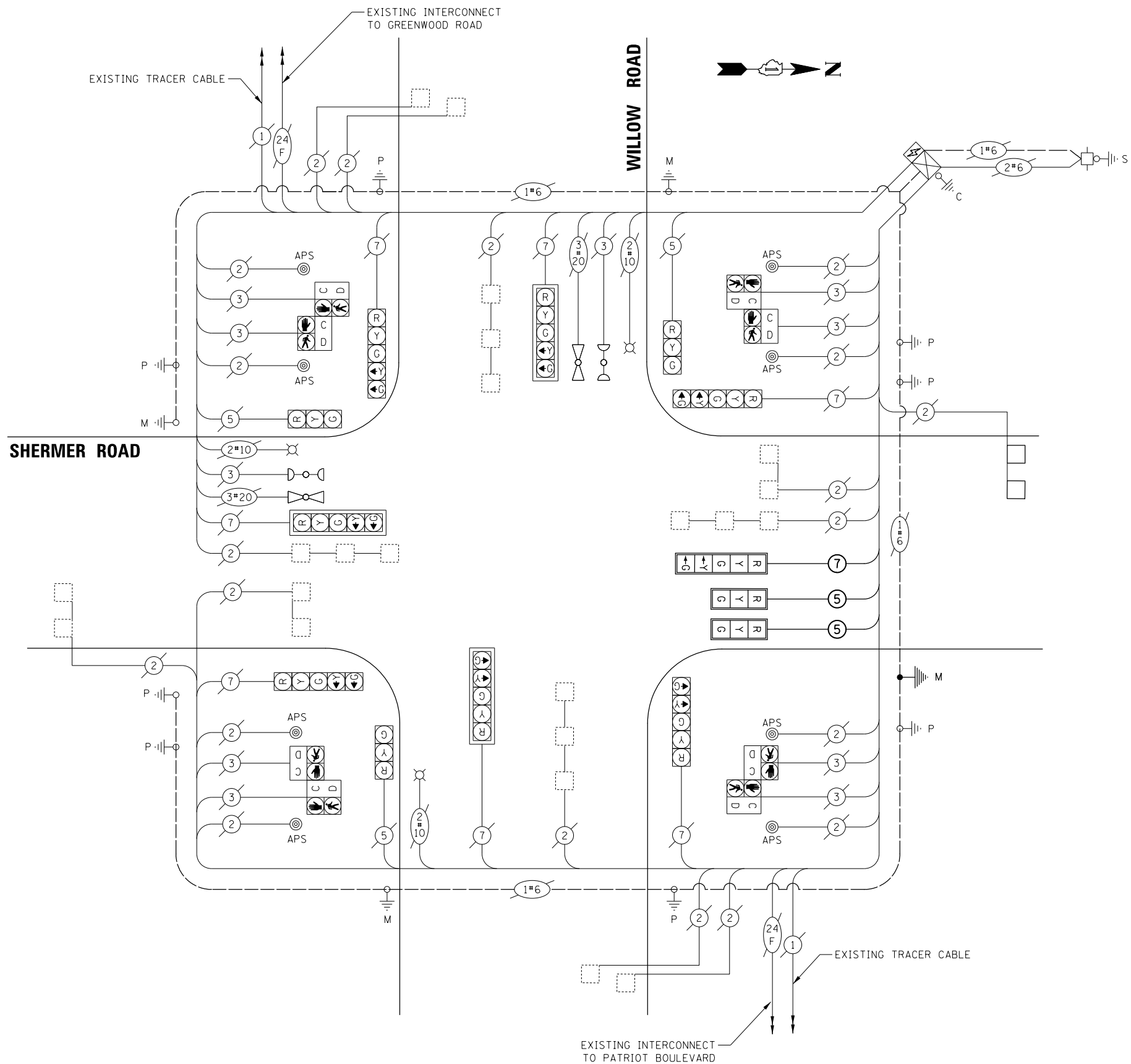
**TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
<b>SIGNAL HEAD</b>			
3-SECTION	5	11	55
4-SECTION	-	14	-
5-SECTION	8	13	104
<b>PROGRAMMABLE SIGNALS</b>			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	20	-
	VIDEO	20	-
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
TOTAL SERVICE WIRE SIZING			<b>454</b>
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	3	400	1200
TOTAL SERVICE WIRE SIZING			<b>2259</b>

ENERGY COSTS TO:

VILLAGE OF NORTHBROOK  
1225 CEDAR LN, NORTHBROOK, IL 60062

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT  
PHONE: 866-639-3532  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---



**CABLE PLAN**  
(NOT TO SCALE)

**TS 5770  
ECON 5**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
SHERMER ROAD AT WILLOW ROAD**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	111
CONTRACT NO. 61K70				

SCALE: NOT TO SCALE SHEET OF SHEETS STA. TO STA.

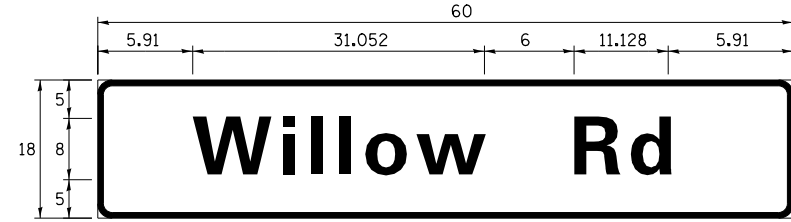
ILLINOIS FED. AID PROJECT

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PLOT SCALE	= 40'	DRAWN	= FPB/PJA	REVISED	=
PLOT DATE	= 7/17/2024	CHECKED	= GMZ	REVISED	=
		DATE	=	REVISED	=

**SIGN PANEL – TYPE 1**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	1

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	8
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	16
MAINTENANCE OF EXSTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	402
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	218
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	34
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	3
REMOVE EXSTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXSTING CONCRETE FOUNDATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	72
REBUILD EXSTING HANDHOLE	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

MODEL: D:\hamb\... FILE NAME: ... TS-WILLOW\_41x54\_STN.dgn

**TS 5770  
ECON 5**

USER NAME = Ihambur	DESIGNED - PJA	REVISED -
	DRAWN - FPB/PJA	REVISED -
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PLOT DATE = 7/17/2024	DATE -	REVISED -

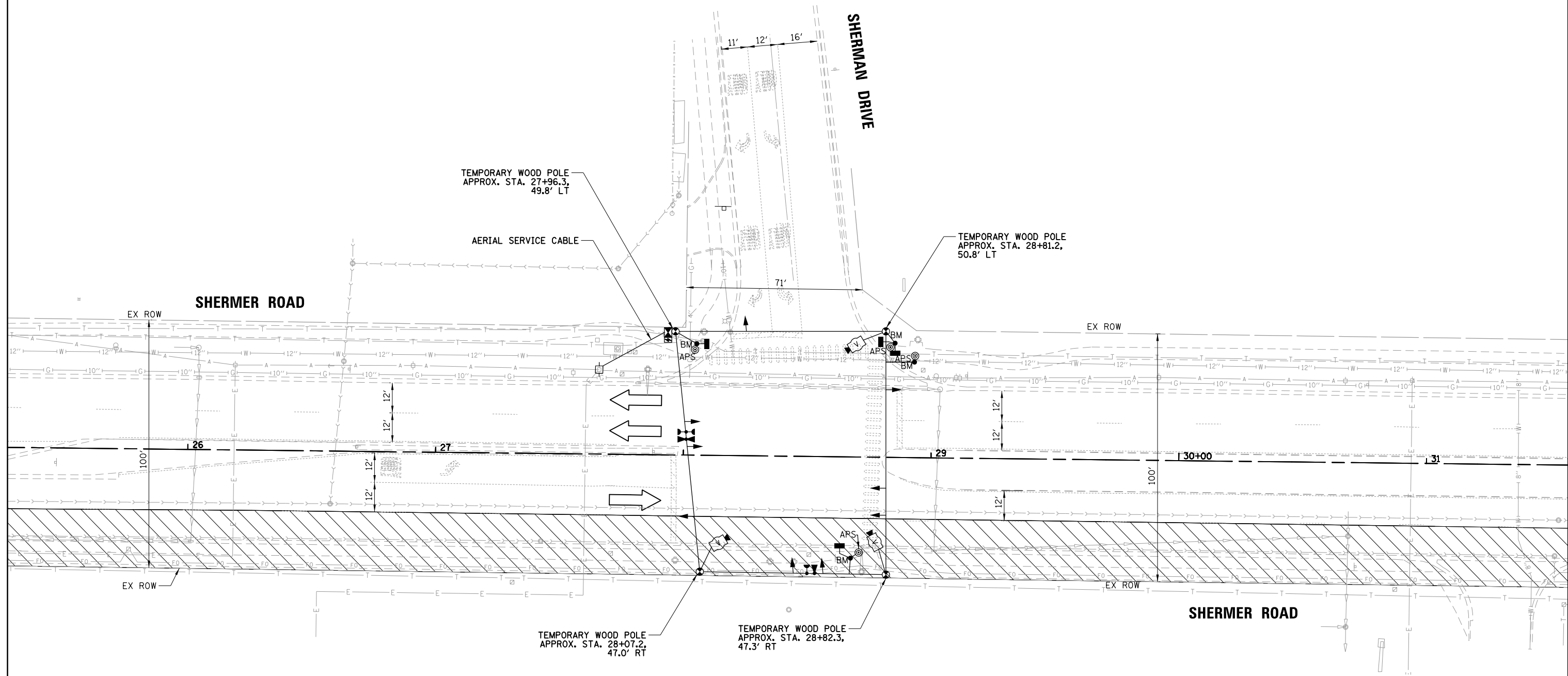
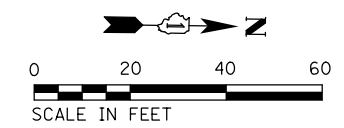
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**MAST ARM MOUNTED STREET NAME SIGN  
AND SCHEDULE OF QUANTITIES  
SHERMER ROAD AT WILLOW ROAD**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	112
			CONTRACT NO. 61K70	
SCALE: 1" = 40'		SHEET OF SHEETS	STA.	TO STA.
		ILLINOIS FED. AID PROJECT		







**MOT STAGE 1**

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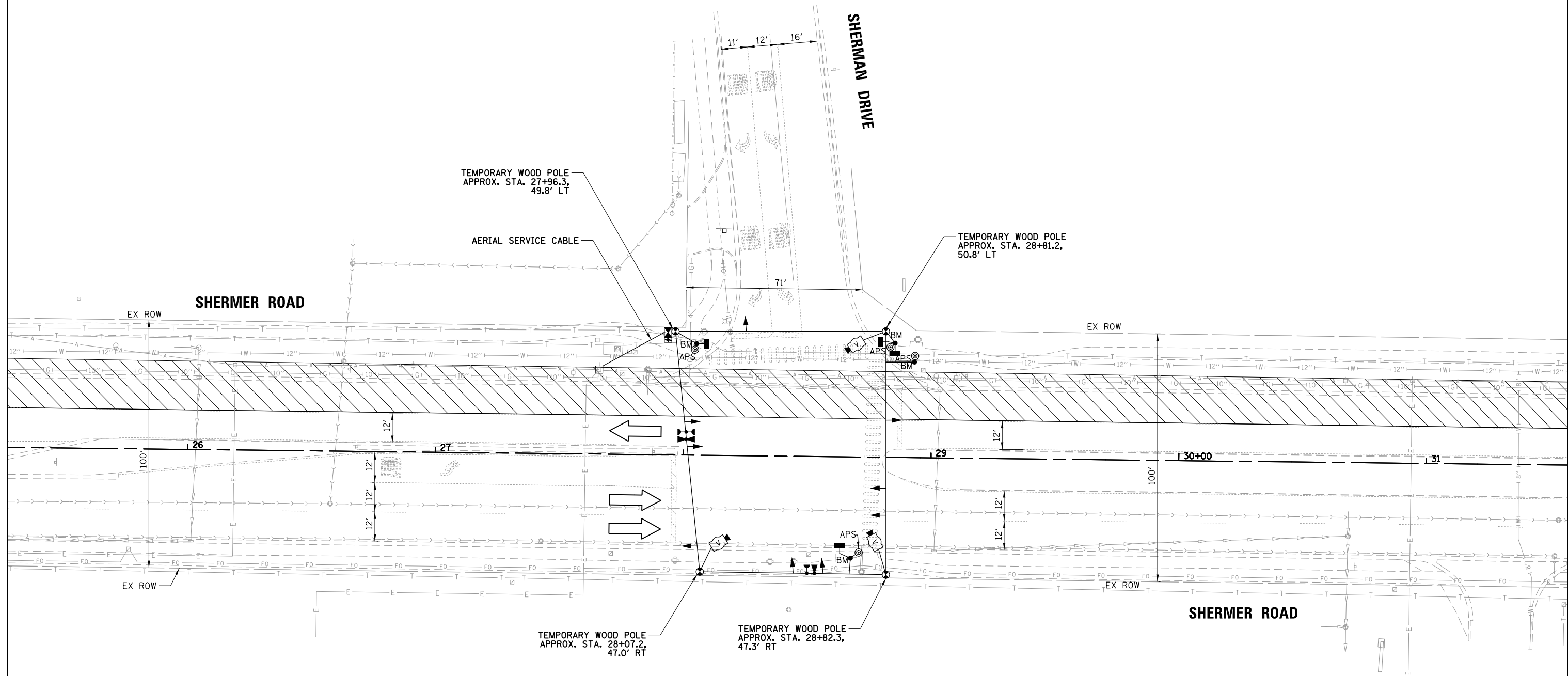
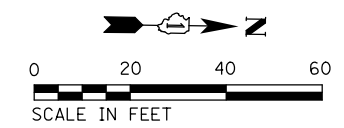
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PLOT SCALE =	40'	CHECKED -	GMZ	REVISED -	
PLOT DATE =	7/17/2024	DATE -		REVISED -	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN**  
**MOT - STAGE 1**  
**SHERMER ROAD AT SHERMAN DRIVE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	114
CONTRACT NO. 61K70				
ILLINOIS		FED. AID PROJECT		

SCALE: 1" = 40'    SHEET    OF    SHEETS    STA.    TO STA.



**MOT STAGE 2**

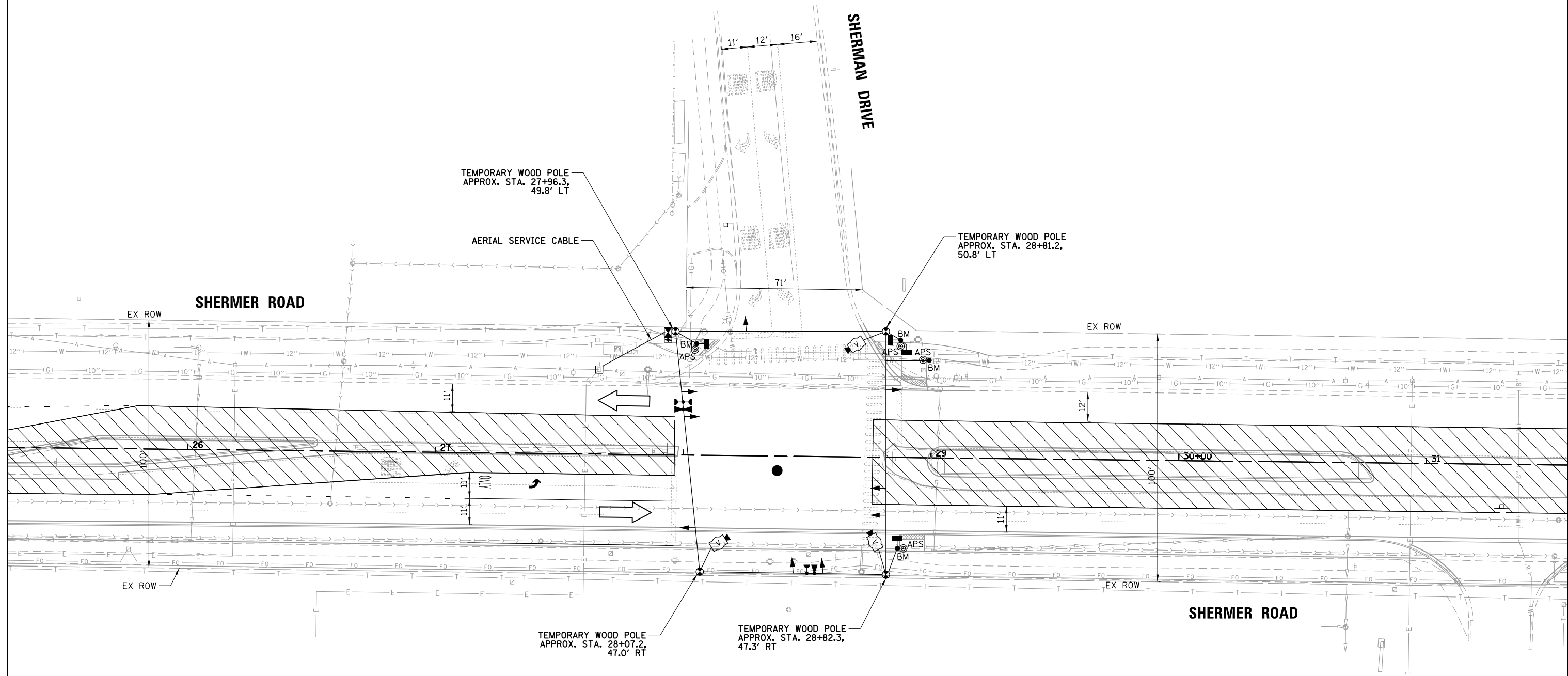
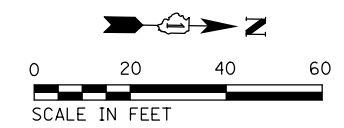
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DRAWN - FPB/PJA	REVISED -	
PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
PLOT DATE = 7/17/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN</b>			
<b>MOT - STAGE 2</b>			
<b>SHERMER ROAD AT SHERMAN DRIVE</b>			
SCALE: 1" = 40'	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	115
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



**MOT STAGE 3**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

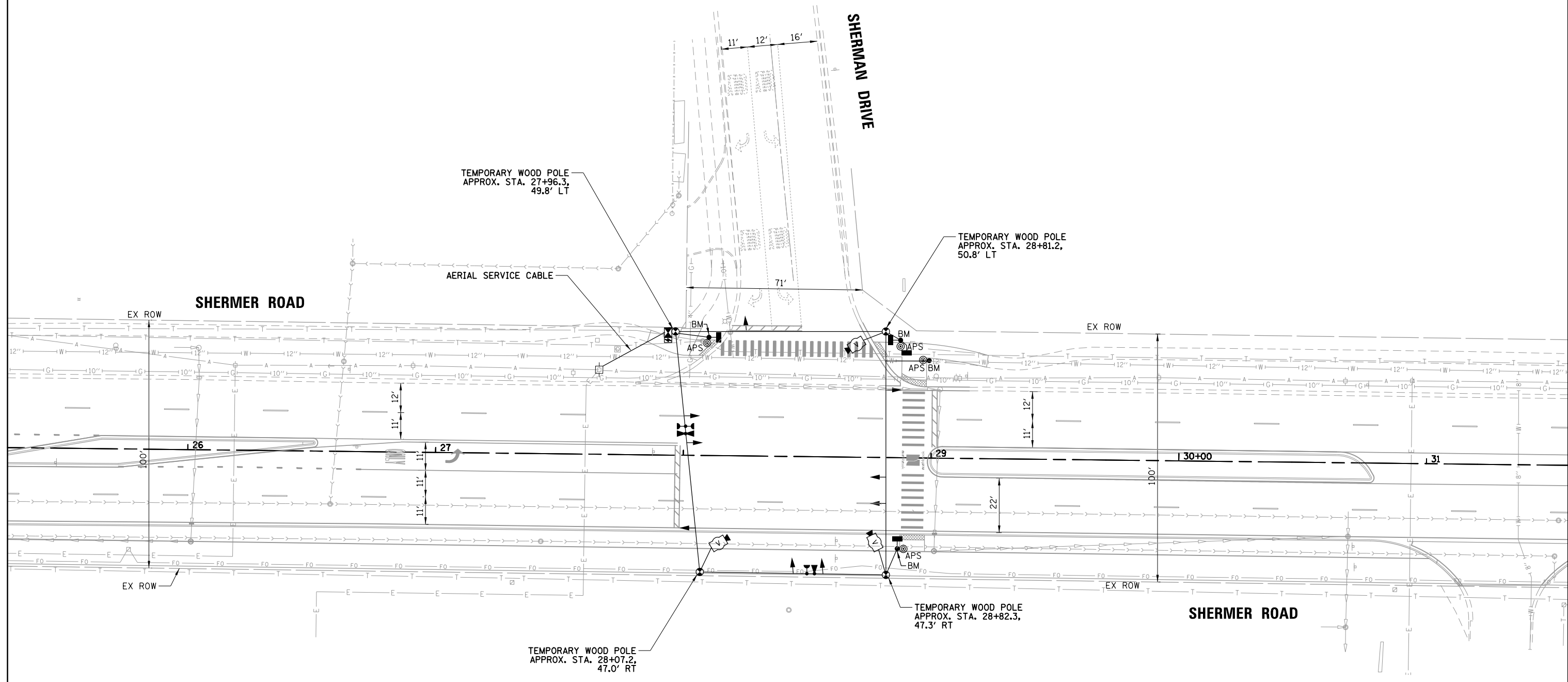
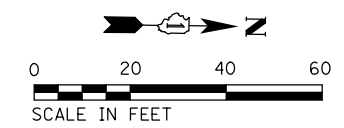
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN**  
**MOT - STAGE 3**  
**SHERMER ROAD AT SHERMAN DRIVE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 61K70	
		ILLINOIS	FED. AID PROJECT	

USER NAME = ihambur	DESIGNED - PJA	REVISED -
	DRAWN - FPB/PJA	REVISED -
PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
PLOT DATE = 7/17/2024	DATE -	REVISED -

SCALE: 1" = 40'	SHEET	OF	SHEETS	STA.	TO	STA.
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MODEL: D:\info\...  
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**FINAL GEOMETRY**

MODEL: D:\info\...  
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USER NAME =	ihambur	DESIGNED -	PJA	REVISED -	
		DRAWN -	FPB/PJA	REVISED -	
PLOT SCALE =	40'	CHECKED -	GMZ	REVISED -	
PLOT DATE =	7/17/2024	DATE -		REVISED -	

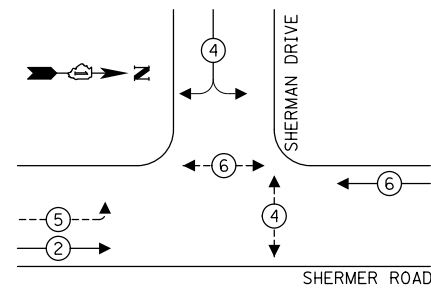
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN**  
**SHERMER ROAD AT SHERMAN DRIVE**

SCALE: 1" = 40'    SHEET    OF    SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	117
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

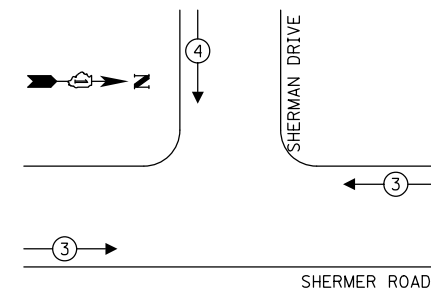
**TEMPORARY CONTROLLER SEQUENCE**



**LEGEND:**

- ← (⊛) → PROTECTED PHASE
- ← (⊛) - - - → PROTECTED/PERMITTED PHASE
- ← (⊛) → PEDESTRIAN PHASE
- ← (⊛) OL → OVERLAP

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**

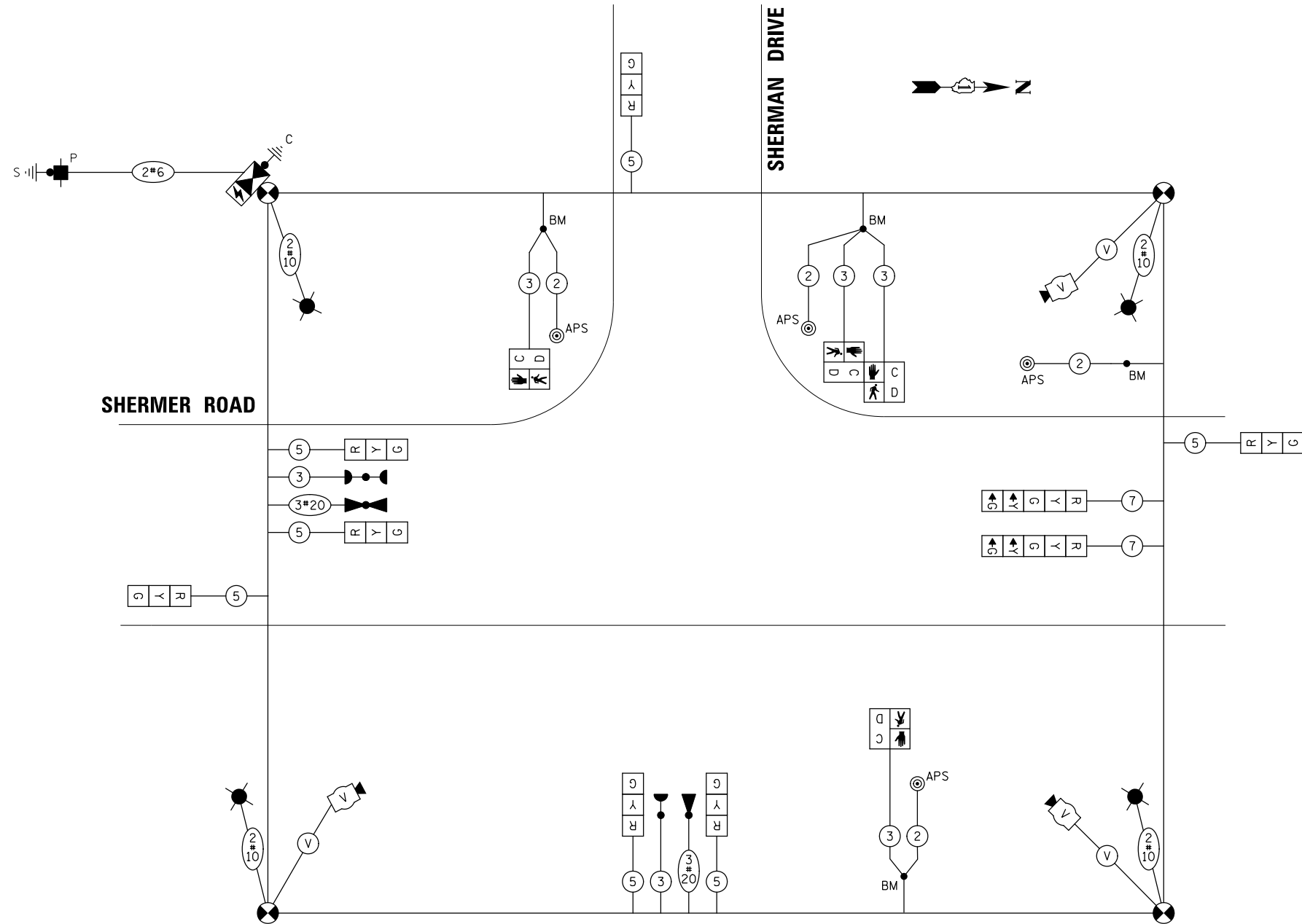


**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
<b>SIGNAL HEAD</b>			
3-SECTION	7	11	77
4-SECTION	-	14	-
5-SECTION	2	13	26
<b>PROGRAMMABLE SIGNALS</b>			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL CONTROLLER	4	15	60
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION RADAR	1	25	25
DETECTION VIDEO	3	20	60
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
<b>TOTAL SERVICE WIRE SIZING</b>			<b>398</b>
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	4	125	500
<b>TOTAL SERVICE WIRE SIZING</b>			<b>1503</b>

ENERGY COSTS TO:  
 VILLAGE OF NORTHBROOK  
 1225 CEDAR LN, NORTHBROOK, IL 60062

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT  
 PHONE: 866-639-3532  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---



**EXISTING GEOMETRY, MOT STAGE 1, MOT STAGE 2, MOT STAGE 3, AND FINAL GEOMETRY TEMPORARY CABLE PLAN**

(NOT TO SCALE)

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

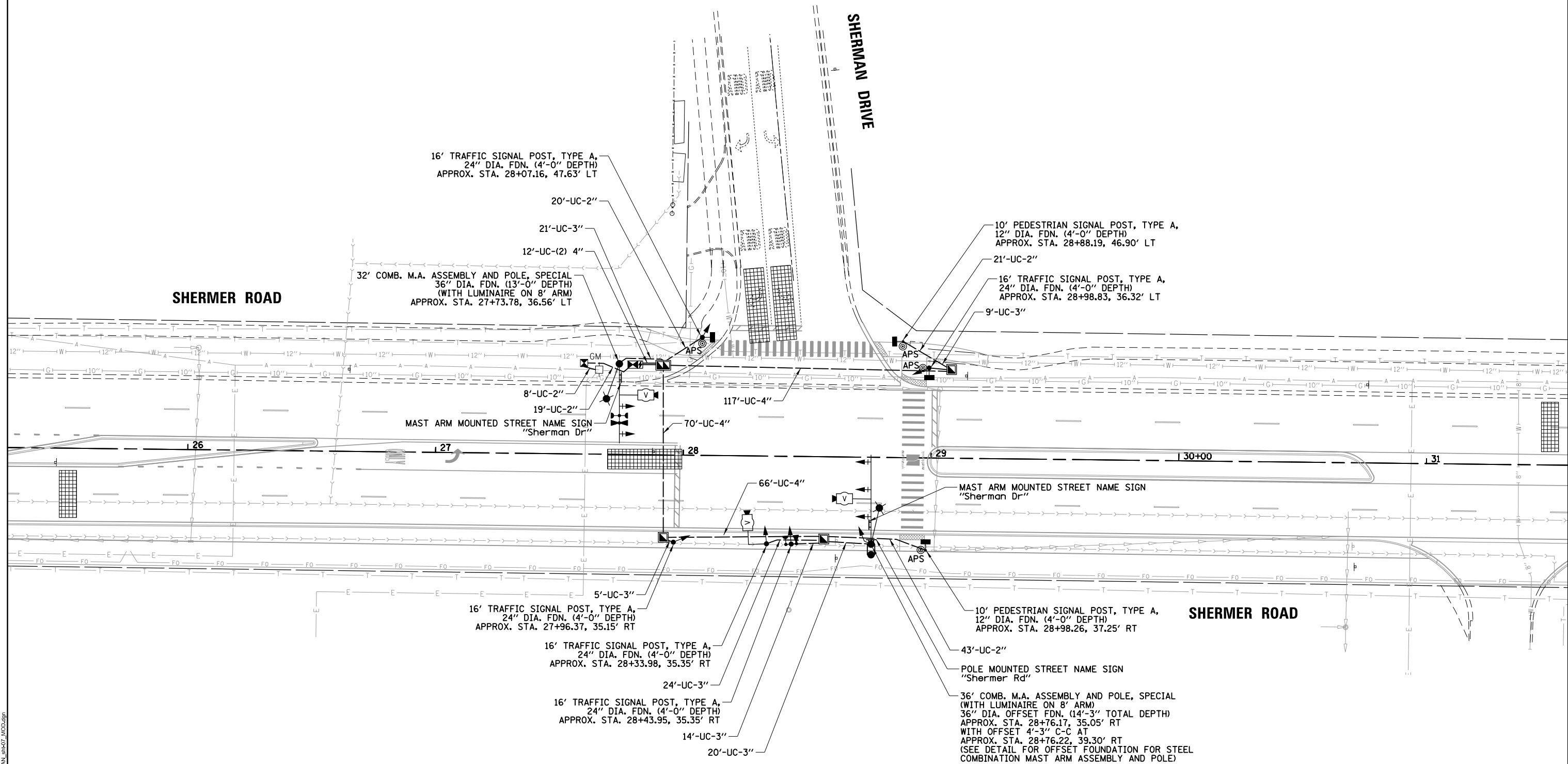
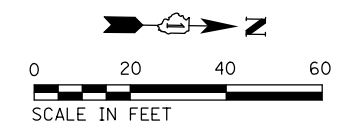
**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE SHERMER ROAD AT SHERMAN DRIVE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	118
CONTRACT NO. 61K70				

SCALE: NOT TO SCALE SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

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	DRAWN - FPB/PJA	REVISED -
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PLOT DATE = 7/17/2024	DATE -	REVISED -

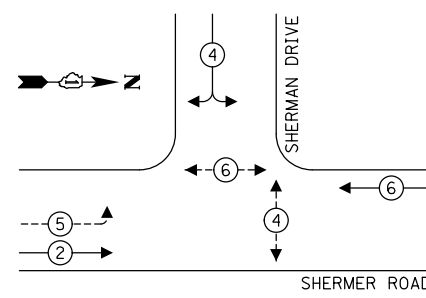
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN**  
**SHERMER ROAD AT SHERMAN DRIVE**

SCALE: 1" = 40'      SHEET    OF    SHEETS    STA.            TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	119
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

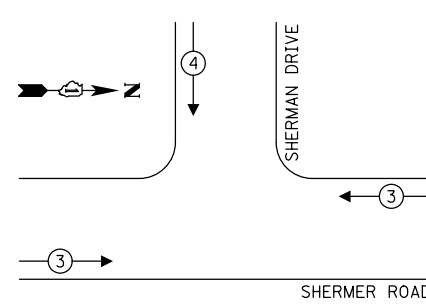
**CONTROLLER SEQUENCE**



**LEGEND:**

- ← (⊛) — PROTECTED PHASE
- ← (⊛) - - — PROTECTED/PERMITTED PHASE
- ← (⊛) → — PEDESTRIAN PHASE
- ← (⊛) OL — OVERLAP

**EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**

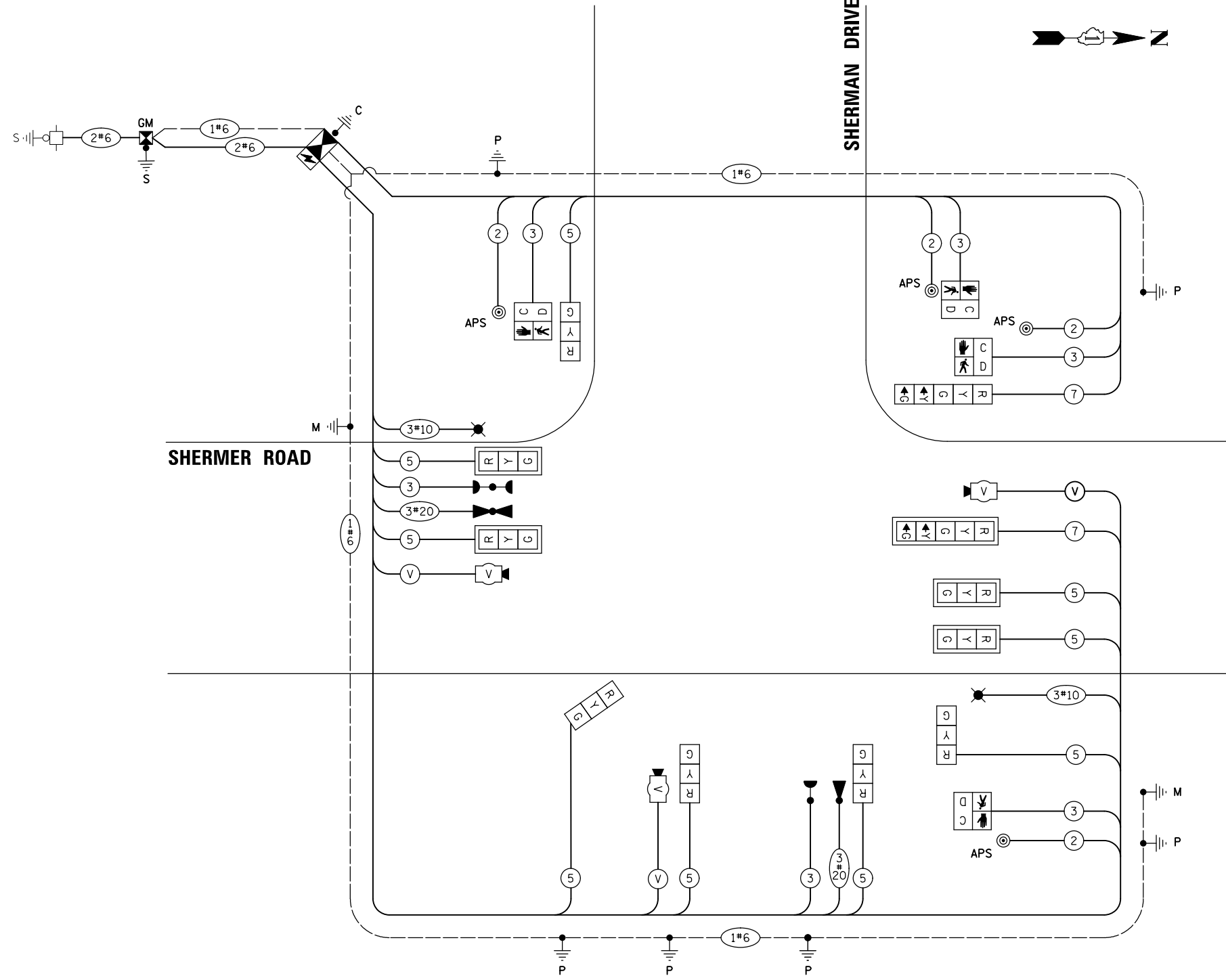


**TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
<b>SIGNAL HEAD</b>			
3-SECTION	9	11	99
4-SECTION	-	14	-
5-SECTION	2	13	26
<b>PROGRAMMABLE SIGNALS</b>			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	RADAR	-	-
	VIDEO	3	60
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
<b>TOTAL SERVICE WIRE SIZING</b>			<b>409</b>
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	2	125	250
<b>TOTAL SERVICE WIRE SIZING</b>			<b>1275</b>

ENERGY COSTS TO:  
 VILLAGE OF NORTHBROOK  
 1225 CEDAR LN, NORTHBROOK, IL 60062

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT  
 PHONE: 866-639-3532  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---



**CABLE PLAN**  
(NOT TO SCALE)

MODEL: D:\in\... FILE NAME: ...

USER NAME =	hambur	DESIGNED -	PJA	REVISED -	
DRAWN -	FPB/PJA	REVISED -			
PLOT SCALE =	40'	CHECKED -	GMZ	REVISED -	
PLOT DATE =	7/17/2024	DATE -		REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 SHERMER ROAD AT SHERMAN DRIVE**

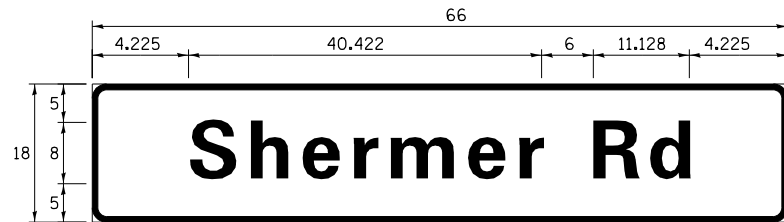
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	120
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

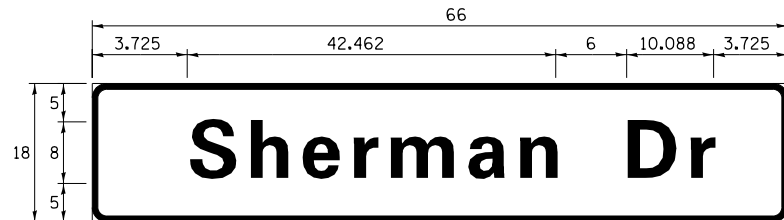


**SIGN PANEL – TYPE 1**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



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



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

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	111
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	93
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	277
HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	1
PAINT NEW TRAFFIC SIGNAL POST	EACH	7
PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	651
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	991
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1521
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	437
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	68
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	747
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	5
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	5
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING SERVICE INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	312
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
CONCRETE FOUNDATION (SPECIAL)	FOOT	14
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	3
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

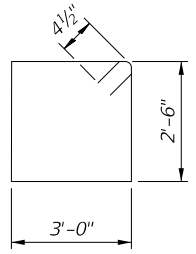
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	DRAWN - FPB/PJA	REVISED -
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PLOT DATE = 8/6/2024	DATE -	REVISED -

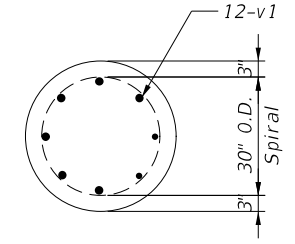
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>MAST ARM MOUNTED STREET NAME SIGN AND SCHEDULE OF QUANTITIES SHERMER ROAD AT SHERMAN DRIVE</b>			
SCALE: NOT TO SCALE	SHEET	OF	SHEETS
STA.		TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	121
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



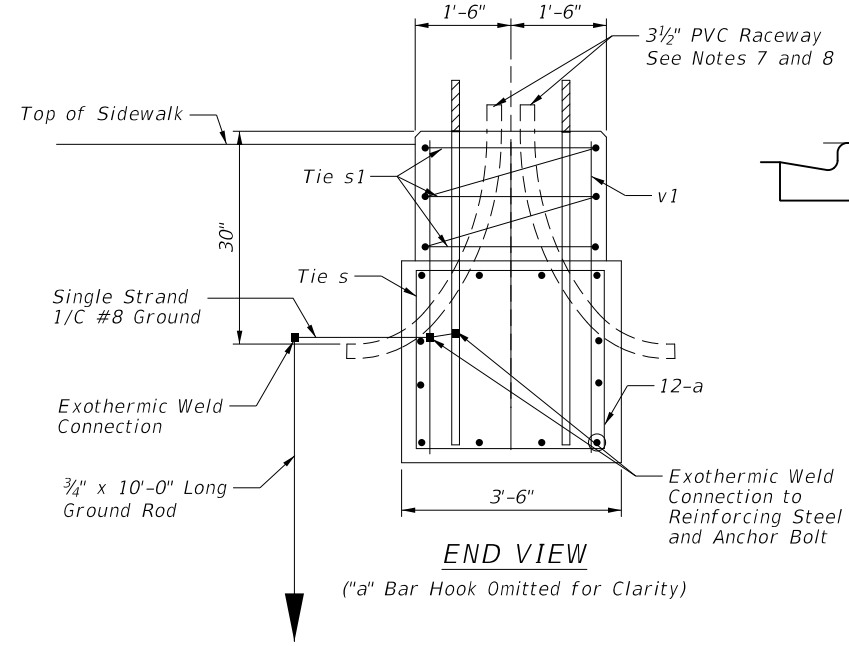
BAR s



BAR s1

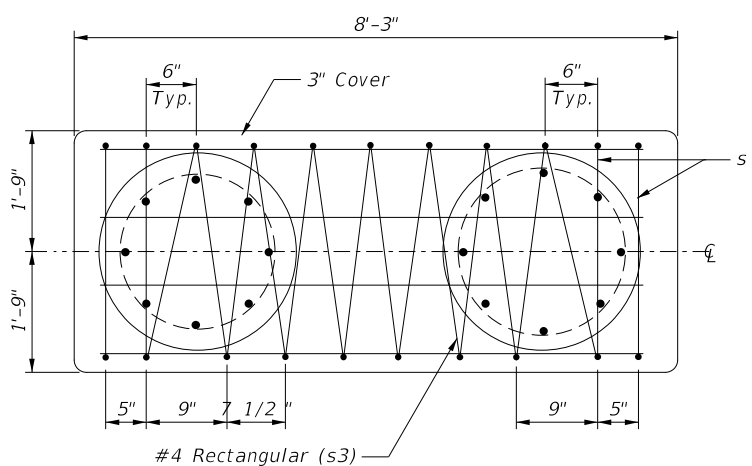
**BILL OF MATERIAL**

Mark	No.	Size	Length	Shape
a	12	#7	11'-9"	□
s	4	#4	11'-9"	□
s1	1	#4	23'-6"	○
s2	1	#4	204'-0"	○
s3	1	#4	143'-0"	□
v1	12	#7	3'-9"	—
v2	12	#8	13'-4"	—



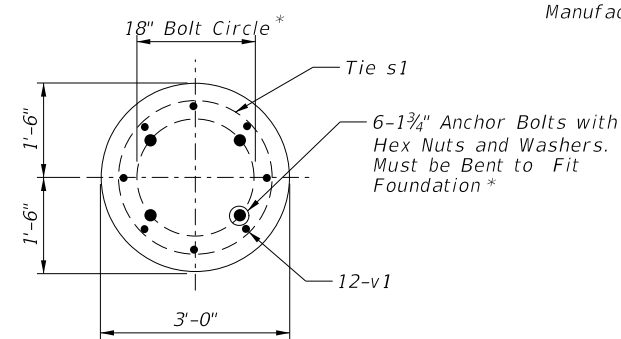
END VIEW

("a" Bar Hook Omitted for Clarity)

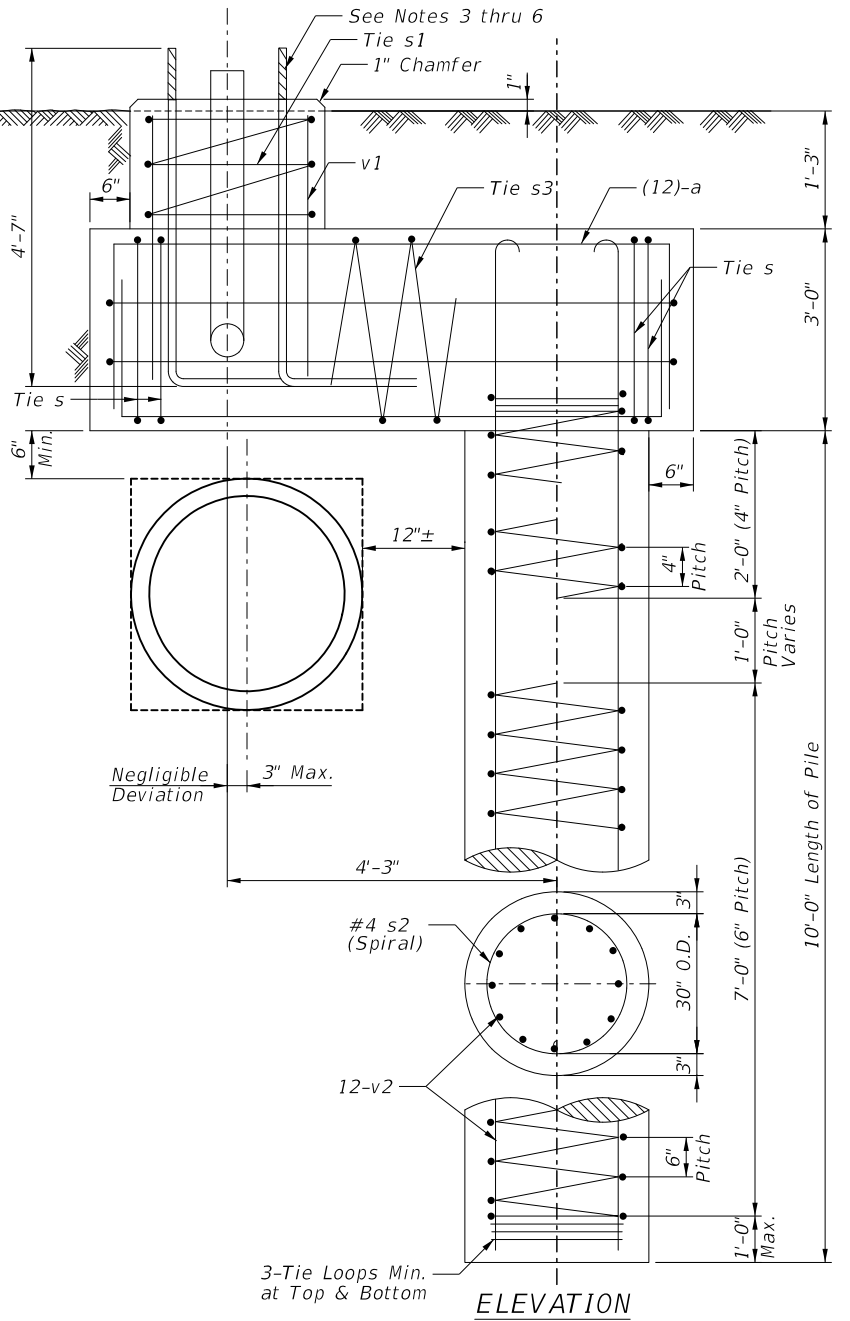


PLAN-CAP BEAM

**TOP VIEW**



\* Coordinate with Mast Arm and Pole Manufacturer



ELEVATION

**NOTES:**

- All Dimensions are in Inches Unless Otherwise Shown.
- Excavation of the Pole Foundation Shall be Made with an Auger, 36" or 42" in Diameter.
- The Anchor Rod Shall be a Hook Rod Type. Cold Bending of the Anchor Rod will not be Allowed. The Radius of the Hook Bend Shall Not be Less Than 4 Times the Nominal Diameter of the Anchor Rod. A Tack Welded Anchor Rod May be Substituted with the Approval of the Engineer.
- The Anchor Bolts and Raceways Shall be Properly Secured in Place Before the Concrete is Placed in the Form.
- The Anchor Rods Shall be According to ASTM F1554 Grade 725 (Grade 105). Nuts Shall be Hexagon Nuts According to ASTM A 194 2H or ASTM A 563 DH, and Washers Shall be According to ASTM F 436.
- The Contractor Shall Coordinate Extension of Anchor Bolts Above Top of Foundation with the Breakaway Device Manufacturer's Requirements. If Mast Arm and Pole are Mounted Without Breakaway Device, Anchor Bolts Shall Project 2 3/4" Above Top of the Foundation. The Contractor Shall Confirm Anchor Bolt Extension with Engineer.
- Raceway Shall Project 1" Above the Top of the Foundation.
- The Cable Trench Shall be backfilled and Firmly Compacted before the Mast Arm and Pole are Erected.

MODEL: Default  
FILE NAME: N:\NORTHBROOK\230023Traffic21\_TS-SHERMAN\_sht-10\_FDN.dgn

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

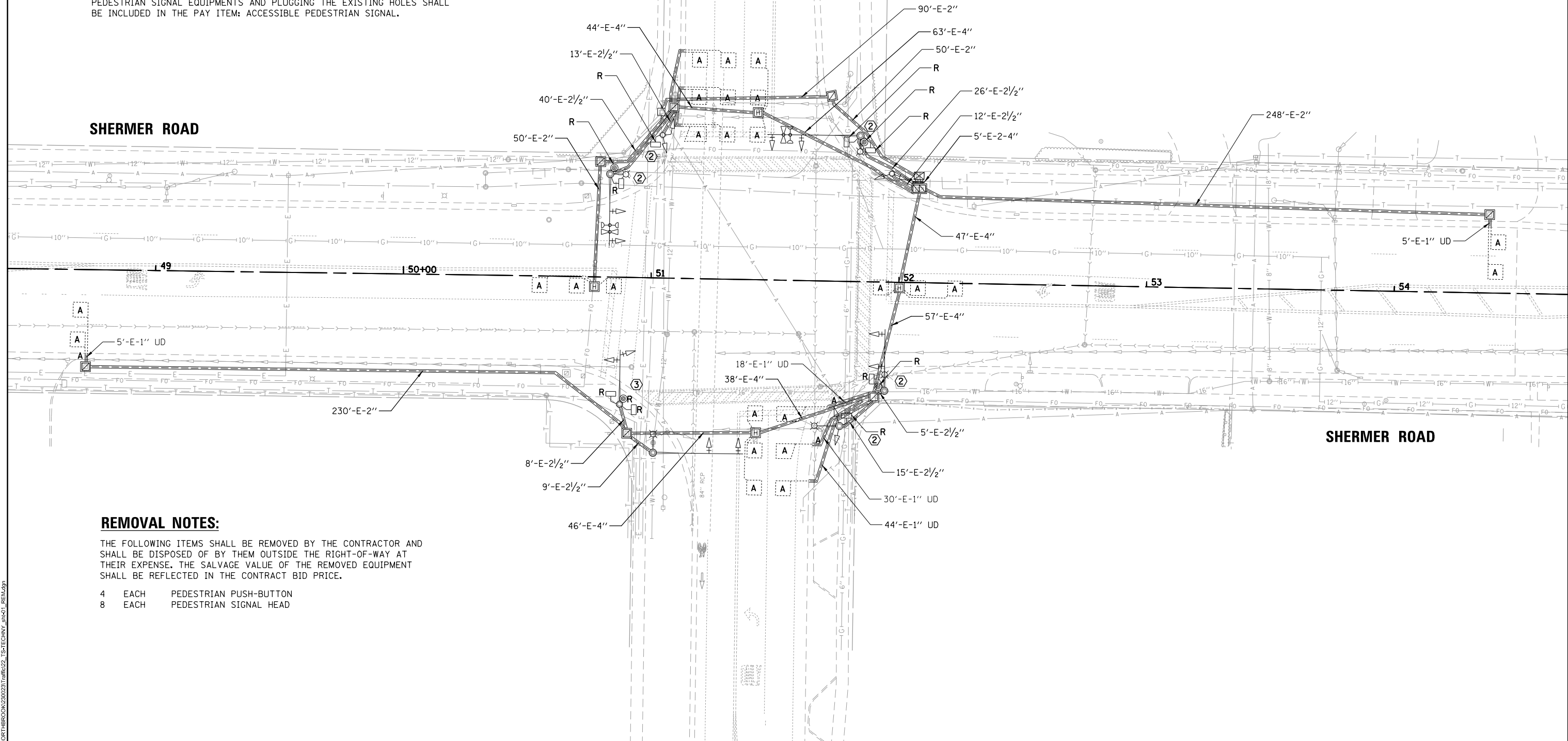
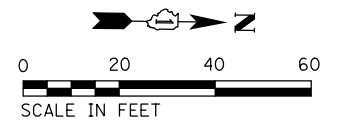
**OFFSET FOUNDATION FOR STEEL COMBINATION  
MAST ARM ASSEMBLY AND POLE**

SHEET OF SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	122
CONTRACT NO. 61K70				
ILLINOIS		FED. AID PROJECT		

**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND INSTALL THE TRAFFIC SIGNAL EQUIPMENT UNDER LIVE TRAFFIC CONDITIONS. SEE THE TRAFFIC CONTROL AND PROTECTION SPECIAL PROVISION FOR MORE DETAILS.
- ② THE CONTRACTOR SHALL REMOVE THE EXISTING PEDESTRIAN SIGNAL EQUIPMENTS AND PULL THE ASSOCIATED CABLES FROM THE CONTROLLER. ALL COSTS ASSOCIATED WITH DRILLING THE EXISTING PEDESTRIAN SIGNAL EQUIPMENTS AND PLUGGING THE EXISTING HOLES SHALL BE INCLUDED IN THE PAY ITEM: ACCESSIBLE PEDESTRIAN SIGNAL.
- ③ THE CONTRACTOR SHALL REMOVE THE EXISTING PEDESTRIAN SIGNAL EQUIPMENTS AND PULL THE ONE (1) ASSOCIATED CABLE FOR PUSH-BUTTON FROM THE CONTROLLER. THE CABLES FOR THE REMOVED PEDESTRIAN SIGNAL HEADS SHALL REMAIN. ALL COSTS ASSOCIATED WITH DRILLING THE EXISTING PEDESTRIAN SIGNAL EQUIPMENTS AND PLUGGING THE EXISTING HOLES SHALL BE INCLUDED IN THE PAY ITEM: ACCESSIBLE PEDESTRIAN SIGNAL.



**REMOVAL NOTES:**

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

- 4 EACH PEDESTRIAN PUSH-BUTTON
- 8 EACH PEDESTRIAN SIGNAL HEAD

MODEL: D:\hamb\... FILE NAME: ...

USER NAME = Ihambur	DESIGNED - PJA	REVISED -
PLOT SCALE = 40'	DRAWN - FPB/PJA	REVISED -
PLOT DATE = 7/17/2024	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

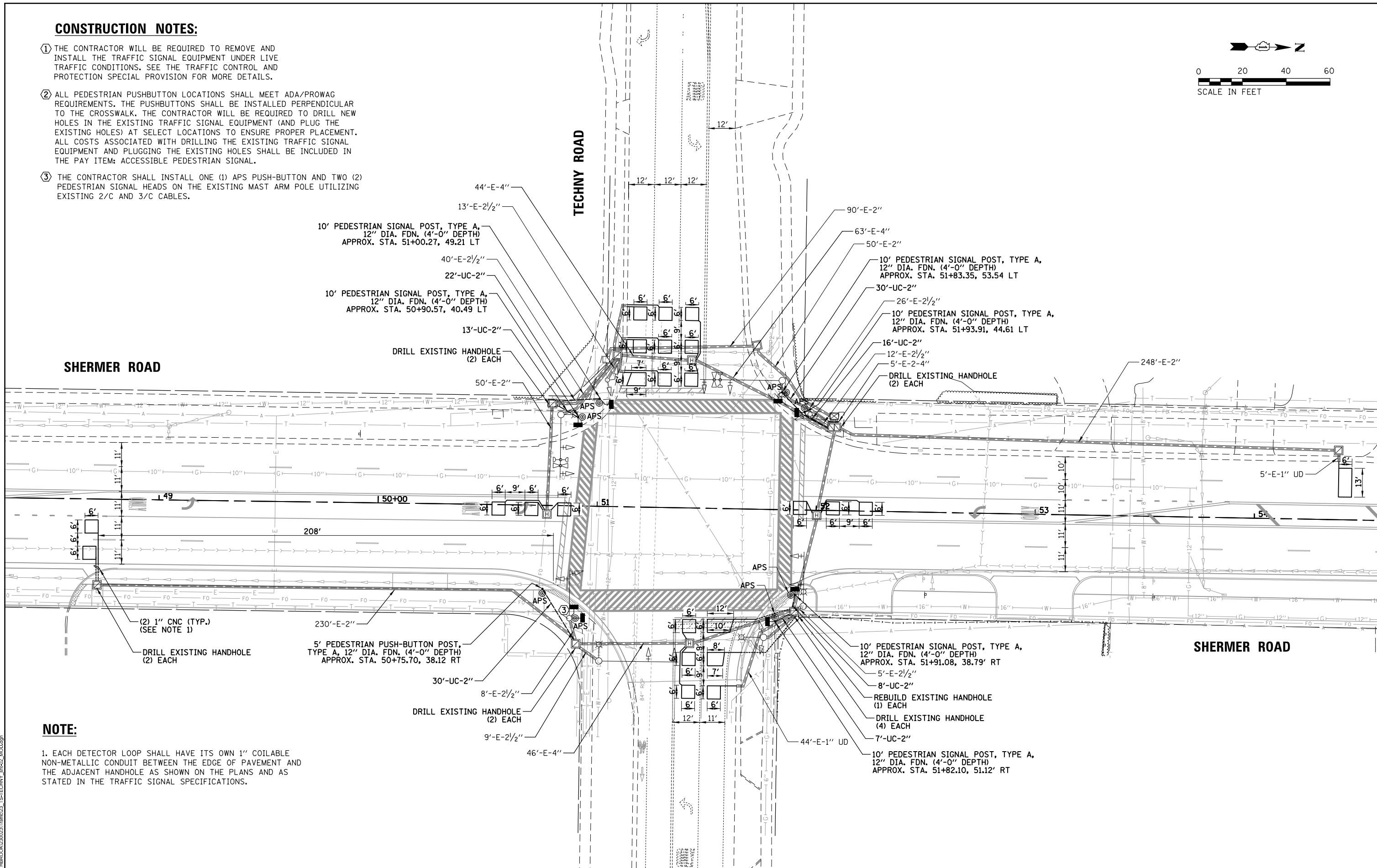
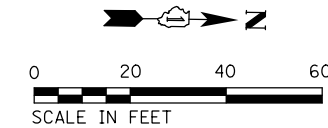
EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN  
SHERMER ROAD AT TECHNY ROAD

SCALE: 1" = 40' SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	123
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND INSTALL THE TRAFFIC SIGNAL EQUIPMENT UNDER LIVE TRAFFIC CONDITIONS. SEE THE TRAFFIC CONTROL AND PROTECTION SPECIAL PROVISION FOR MORE DETAILS.
- ② ALL PEDESTRIAN PUSHBUTTON LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS. THE PUSHBUTTONS SHALL BE INSTALLED PERPENDICULAR TO THE CROSSWALK. THE CONTRACTOR WILL BE REQUIRED TO DRILL NEW HOLES IN THE EXISTING TRAFFIC SIGNAL EQUIPMENT (AND PLUG THE EXISTING HOLES) AT SELECT LOCATIONS TO ENSURE PROPER PLACEMENT. ALL COSTS ASSOCIATED WITH DRILLING THE EXISTING TRAFFIC SIGNAL EQUIPMENT AND PLUGGING THE EXISTING HOLES SHALL BE INCLUDED IN THE PAY ITEM: ACCESSIBLE PEDESTRIAN SIGNAL.
- ③ THE CONTRACTOR SHALL INSTALL ONE (1) APS PUSH-BUTTON AND TWO (2) PEDESTRIAN SIGNAL HEADS ON THE EXISTING MAST ARM POLE UTILIZING EXISTING 2/C AND 3/C CABLES.



**NOTE:**

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

MODEL: D:\in\1... FILE NAME: I:\NORTHHEROON\2023\TMR\23\_TST\TECHNY\_41402\_MDC03.dwg

USER NAME = ihambur	DESIGNED - PJA	REVISED -
PLOT SCALE = 40'	DRAWN - FPB/PJA	REVISED -
PLOT DATE = 7/17/2024	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

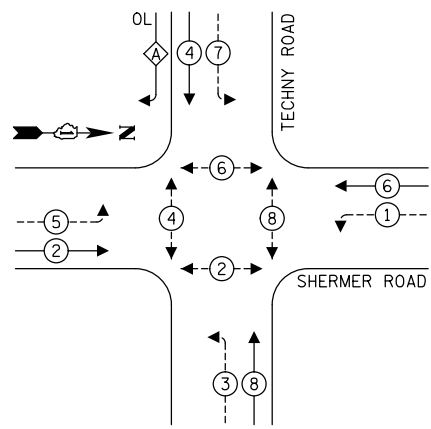
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN  
SHERMER ROAD AT TECHNY ROAD**

SCALE: 1" = 40'      SHEET      OF      SHEETS      STA.      TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	124
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

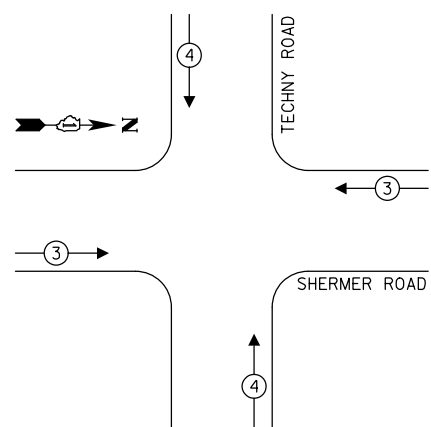
**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - → PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL → OVERLAP

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

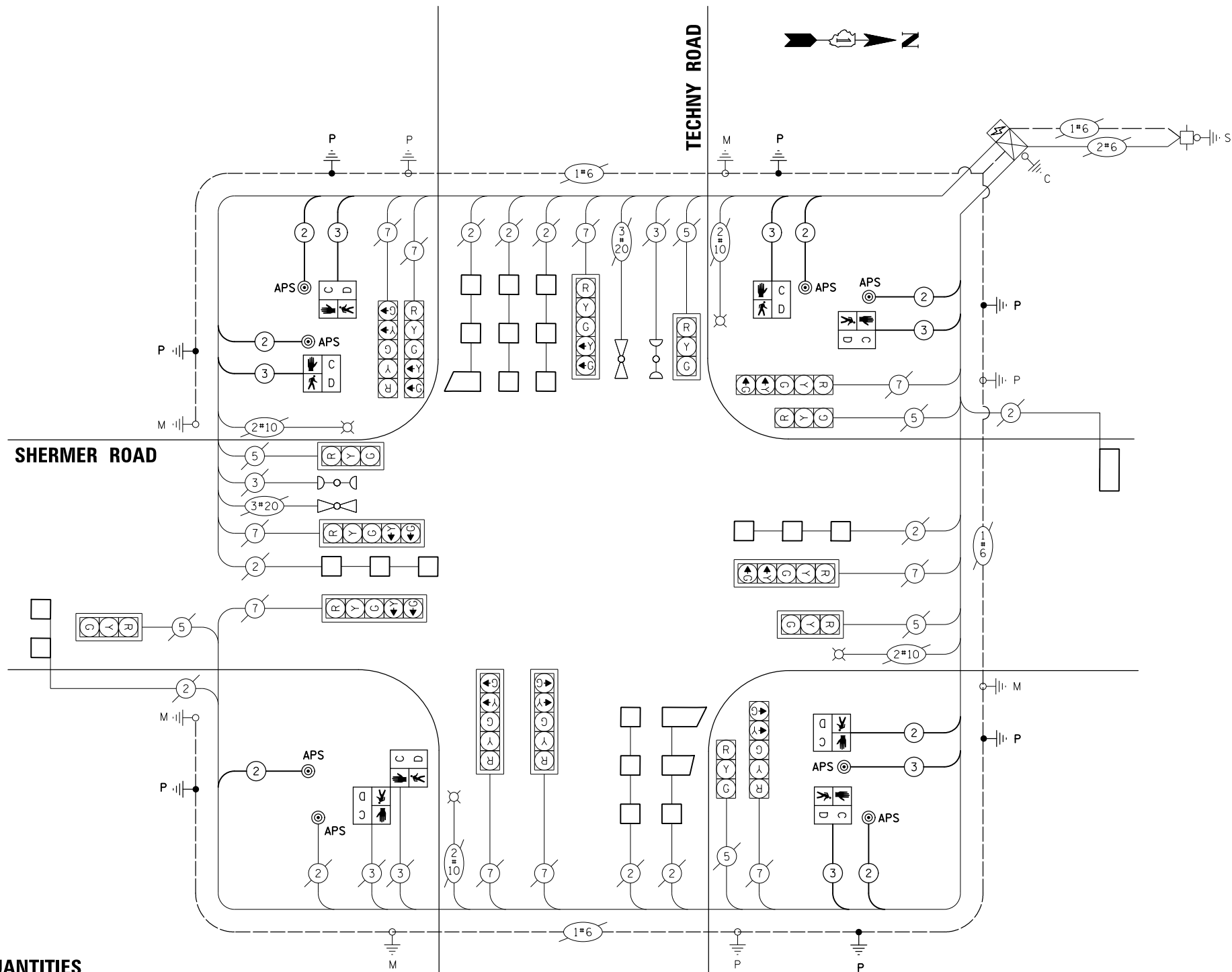
TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
<b>SIGNAL HEAD</b>			
3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	10	13	130
<b>PROGRAMMABLE SIGNALS</b>			
3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION	-	20	-
RADAR	-	20	-
VIDEO	-	20	-
NETWORK SWITCH II OR III	-	25	-
BLANK-OUT SIGN	-	35	-
CELLULAR MODEM	-	15	-
<b>TOTAL SERVICE WIRE SIZING</b>			<b>491</b>
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
<b>TOTAL SERVICE WIRE SIZING</b>			<b>1096</b>

ENERGY COSTS TO:  
 VILLAGE OF NORTHBROOK  
 1225 CEDAR LN, NORTHBROOK, IL 60062

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT  
 PHONE: 866-639-3532  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	126
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
PAINT EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PAINT NEW TRAFFIC SIGNAL POST	EACH	7
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1047
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1368
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	253
DRILL EXISTING HANDHOLE	EACH	10
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
DETECTOR LOOP, TYPE I	FOOT	833
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	6
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4



**CABLE PLAN**  
(NOT TO SCALE)

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE SHERMER ROAD AT TECHNY ROAD**

SCALE: NOT TO SCALE SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	22-00183-00-BT		182	125
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

MODEL: D:\in\1 MODEL: D:\in\1 FILE NAME: W:\NORTHBROOK\2023\231\TMR024\_TST\TECHNY\_4#20\_CAB.dwg

## LIGHTING GENERAL NOTES

1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY EQUIPMENT. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE AT (800) 892-0123.
2. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
  - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS PREPARED BY IDOT.
  - B. "THE NATIONAL ELECTRICAL CODE".
  - C. MUNICIPAL CODES & STANDARDS.
5. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.
6. ALL UNDERGROUND CONDUITS SHALL BE INSTALLED BY DIRECTIONAL BORING METHOD. SOME LOCATIONS MAY REQUIRE TRENCHING AND/OR HAND DIGGING. CONTRACTOR SHALL PROVIDE PRIOR NOTICE TO ENGINEER BEFORE TRENCHING.
7. ALL UNDERGROUND WIRING SHALL BE XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, BURIED A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE.
8. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE ENGINEER.
9. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.
10. ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
12. THE CONTRACTOR SHALL STAKE ALL POLE LOCATIONS PRIOR TO REQUESTING A JULIE UTILITY LOCATE. ONCE ALL LOCATIONS ARE STAKED CONTRACTOR SHALL SET UP A MEETING WITH THE VILLAGE AND ENGINEER FOR POLE LOCATION APPROVAL.
13. THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES & CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE ENGINEER.
14. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY NOTIFICATION AND ALL COORDINATION WITH COM ED FOR NEW ELECTRIC SERVICE TO THE PROPOSED LIGHTING CONTROLLER.
16. THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPLICE/CONNECTION POINT. WIRE MARKERS SHALL BE WHITE NYLON WITH INTEGRAL MECHANICAL FASTENER WITH MINIMUM 3/4" X 1" WRITEABLE AREA.
17. THE LIGHT POLE LOCATIONS SHALL COMPLY WITH THE MINIMUM CLEAR WIDTH FOR ADA REQUIREMENTS FOR CLEAR WIDTH OF SIDEWALK, AND SHALL COMPLY WITH BDE CHAPTER 17-4.04 AND PROWAG R301.3.1.
18. THE CONTRACTOR SHALL USE A STANDARD FOUNDATION WHENEVER POSSIBLE. WHEN UTILITY CONFLICT PROHIBITS USE OF STANDARD FOUNDATION THE CONTRACTOR MAY USE AN OFFSET FOUNDATION AT THE DIRECTION OF THE ENGINEER.
19. LIGHTING SHALL BE OPERATIONAL EVERY NIGHT, DUSK TO DAWN.

### ABBREVIATIONS

A	AMPS	HH	HAND HOLE
BOC	BACK OF CURB	HPS	HIGH PRESSURE SODIUM
CKT	CIRCUIT	PVC	POLYVINYL CHLORIDE
DIA	DIAMETER	RGS	RIGID GALVANIZED STEEL
FT	FOOT	ROW	RIGHT OF WAY
FOC	FACE OF CURB	STA	STATION
GND	GROUND	V	VOLTS
HD	HEAVY DUTY	W	WATTS
HDPE	HIGH DENSITY POLYETHYLENE		

**CAUTION  
NOTICE TO CONTRACTOR**

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND/OR ELEVATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ENGINEER OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.

THE VILLAGE OF NORTHBROOK WILL OWN AND MAINTAIN THE PROPOSED LIGHTING AT SHERMER RD. & SHERMAN DR.

## LIGHTING BILL OF MATERIALS

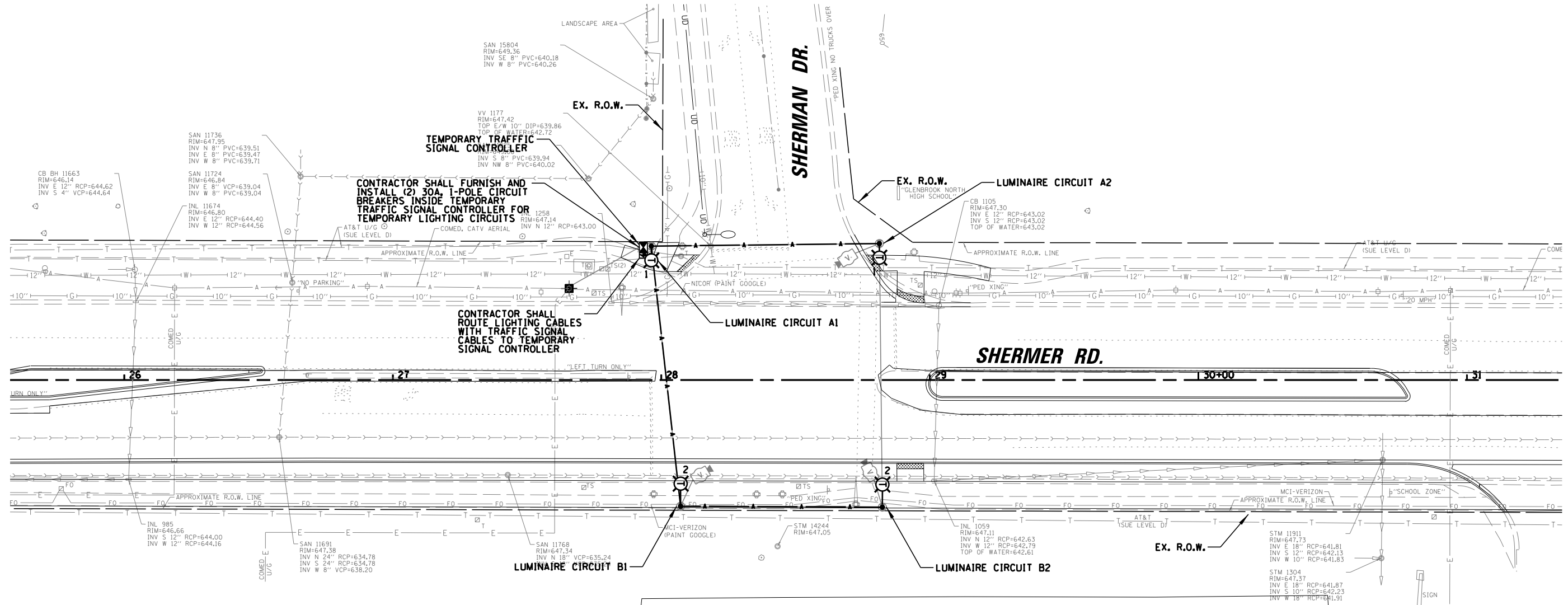
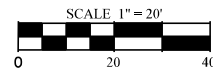
DESCRIPTION	UNIT	QUANTITY
TRENCH BACKFILL	CU YD	13
• ELECTRIC SERVICE INSTALLATION	EACH	1
• ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	230
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	1125
HANDHOLE, COMPOSITE CONCRETE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	605
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	4865
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	85
AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER WIRE	FOOT	325
LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
REMOVAL OF POLE FOUNDATION	EACH	1
RELOCATE EXISTING LIGHTING UNIT	EACH	1
• LUMINAIRE, LED, SPECIAL	EACH	2
• LUMINAIRE REPLACEMENT SPECIAL	EACH	10
• POTHOLING	EACH	2
• EXPOSE AND RELOCATE EXISTING UNIT DUCT	FOOT	20
• TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	4
• COMBINATION LIGHTING CONTROLLER	EACH	1
• MAST ARM, ALUMINUM, 12 FT.	EACH	2
• LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL	FOOT	40
• LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	42
• REMOVAL OF TEMPORARY LUMINAIRE	EACH	4
• LIGHTING UNIT A, COMPLETE	EACH	1
• LIGHTING UNIT B, COMPLETE	EACH	5
• MAST ARM INSTALLATION TYPE 1	EACH	2
• MAINTENANCE OF EXISTING LIGHTING SYSTEM	CAL MO	8
• SEE SPECIAL PROVISION		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHERMER ROAD ROADWAY LIGHTING IMPROVEMENTS  
LIGHTING GENERAL NOTES AND BILL OF MATERIALS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			182	126
CONTRACT NO. 61K70				
			ILLINOIS	FED. AID PROJECT

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



**NOTES:**

1. THE TEMPORARY COMBINATION LIGHTING CIRCUITS SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS, UNLESS OTHERWISE SHOWN.
2. TEMPORARY COMBINATION POLE LUMINAIRES ARE POWERED FROM TEMPORARY TRAFFIC CONTROLLER. SEE TRAFFIC SIGNAL PLANS.
3. TEMPORARY LIGHTING CABLE SHALL BE ATTACHED AERIALY TO TRAFFIC SIGNAL MESSENGER WIRE.
4. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR LOCATION OF TEMPORARY COMBINATION POLES, AERIAL CABLES AND CONTROLLER.
5. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, CONTRACTOR SHALL REMOVE TEMPORARY LIGHTING.
6. FURNISHING AND INSTALLING TEMPORARY LIGHTING SHALL BE PAID FOR UNDER "TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G", "MAST ARM INSTALLATION TYPE 1" FOR 2.5 FT ARM, "MAST ARM, ALUMINUM, 12 FT" FOR 12 FT ARM, AND "AERIAL CABLE, 2-1/8 NO. 8 WITH MESSENGER" (SEE SPECIAL PROVISION).
7. REMOVING AND DISPOSING TEMPORARY LIGHTING (LUMINAIRES, ARMS, AERIAL CABLE) SHALL BE PAID FOR UNDER "REMOVAL OF TEMPORARY LUMINAIRE" (SEE SPECIAL PROVISION).

**LEGEND**

- PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 35 FT LUMINAIRE MOUNTING HEIGHT, 2.5 FT MAST ARM AND LED LUMINAIRE (OUTPUT DESIGNATION G), 120V, WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 35 FT LUMINAIRE MOUNTING HEIGHT, 12 FT MAST ARM AND LED LUMINAIRE (OUTPUT DESIGNATION G), 120V, WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- EXISTING LIGHT STANDARD TO REMAIN
- 2/C #8 AERIAL CABLES ROUTED WITH OVERHEAD SIGNAL CABLES (SEE NOTE 3)

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PLOT SCALE = 40'	DRAWN - RMS/RJJ	REVISED -
PLOT DATE = 7/3/2024	CHECKED - AJD	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHERMER ROAD ROADWAY LIGHTING IMPROVEMENTS  
TEMPORARY SHERMER & SHERMAN INTERSECTION

SCALE: 40' SHEET OF SHEETS STA. TO STA.

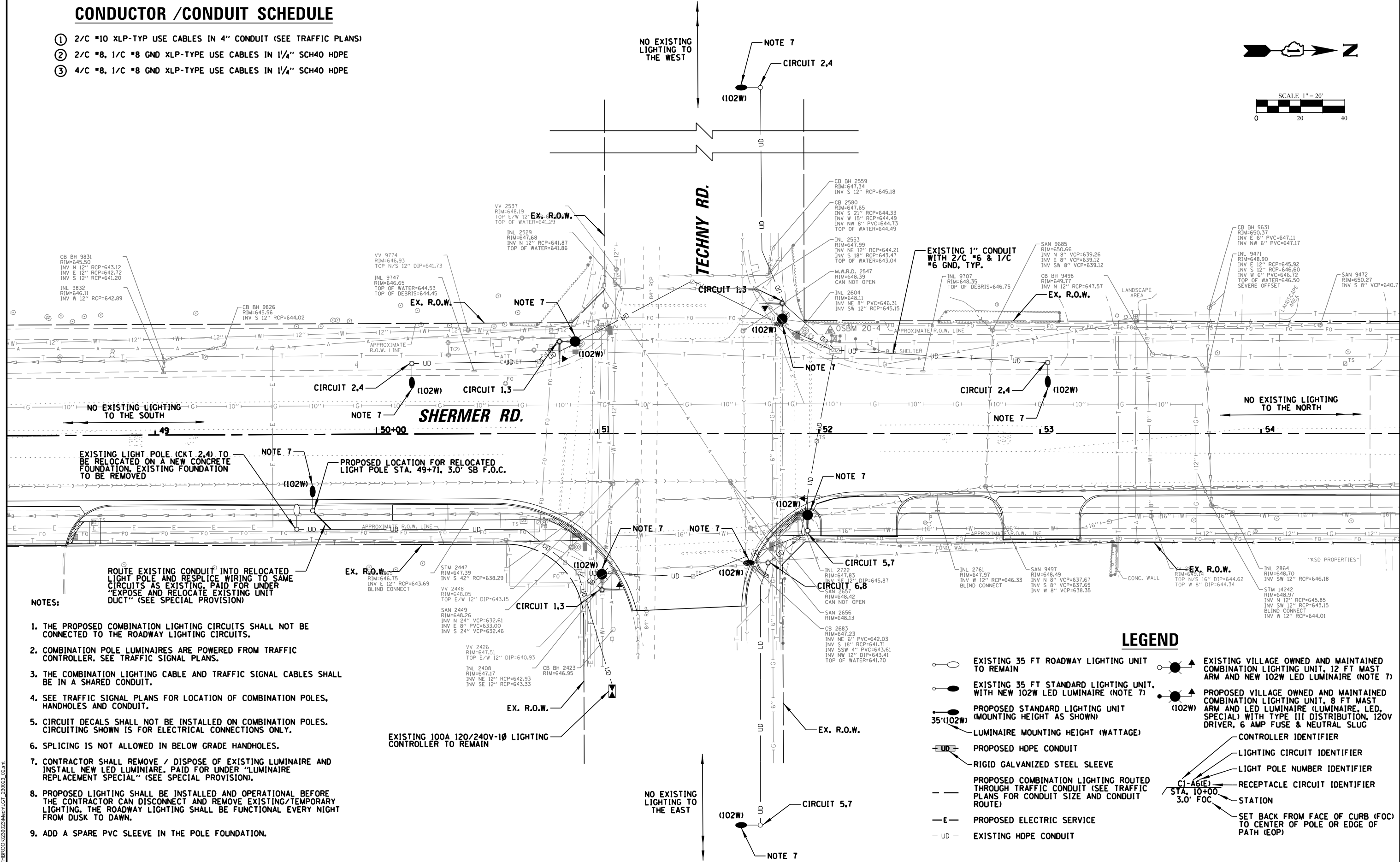
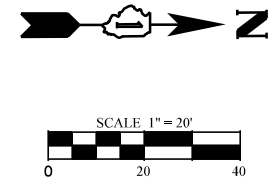
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			182	127
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				





# CONDUCTOR / CONDUIT SCHEDULE

- ① 2/C #10 XLP-TYP USE CABLES IN 4" CONDUIT (SEE TRAFFIC PLANS)
- ② 2/C #8, 1/C #8 GND XLP-TYPE USE CABLES IN 1 1/4" SCH40 HDPE
- ③ 4/C #8, 1/C #8 GND XLP-TYPE USE CABLES IN 1 1/4" SCH40 HDPE



1. THE PROPOSED COMBINATION LIGHTING CIRCUITS SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
2. COMBINATION POLE LUMINAIRES ARE POWERED FROM TRAFFIC CONTROLLER. SEE TRAFFIC SIGNAL PLANS.
3. THE COMBINATION LIGHTING CABLE AND TRAFFIC SIGNAL CABLES SHALL BE IN A SHARED CONDUIT.
4. SEE TRAFFIC SIGNAL PLANS FOR LOCATION OF COMBINATION POLES, HANDHOLES AND CONDUIT.
5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBINATION POLES. CIRCUITING SHOWN IS FOR ELECTRICAL CONNECTIONS ONLY.
6. SPLICING IS NOT ALLOWED IN BELOW GRADE HANDHOLES.
7. CONTRACTOR SHALL REMOVE / DISPOSE OF EXISTING LUMINAIRE AND INSTALL NEW LED LUMINAIRE. PAID FOR UNDER "LUMINAIRE REPLACEMENT SPECIAL" (SEE SPECIAL PROVISION).
8. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
9. ADD A SPARE PVC SLEEVE IN THE POLE FOUNDATION.

**LEGEND**

- EXISTING 35 FT ROADWAY LIGHTING UNIT TO REMAIN
- EXISTING 35 FT STANDARD LIGHTING UNIT, WITH NEW 102W LED LUMINAIRE (NOTE 7)
- PROPOSED STANDARD LIGHTING UNIT (MOUNTING HEIGHT AS SHOWN)
- LUMINAIRE MOUNTING HEIGHT (WATTAGE)
- PROPOSED HOPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- PROPOSED COMBINATION LIGHTING ROUTED THROUGH TRAFFIC CONDUIT (SEE TRAFFIC PLANS FOR CONDUIT SIZE AND CONDUIT ROUTE)
- PROPOSED ELECTRIC SERVICE
- EXISTING HOPE CONDUIT
- EXISTING VILLAGE OWNED AND MAINTAINED COMBINATION LIGHTING UNIT, 12 FT MAST ARM AND NEW 102W LED LUMINAIRE (NOTE 7)
- PROPOSED VILLAGE OWNED AND MAINTAINED COMBINATION LIGHTING UNIT, 8 FT MAST ARM AND LED LUMINAIRE (LUMINAIRE, LED, SPECIAL) WITH TYPE III DISTRIBUTION, 120V DRIVER, 6 AMP FUSE & NEUTRAL SLUG
- CONTROLLER IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER
- LIGHT POLE NUMBER IDENTIFIER
- RECEPTACLE CIRCUIT IDENTIFIER
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE OR EDGE OF PATH (EOP)

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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SHERMER ROAD ROADWAY LIGHTING IMPROVEMENTS  
PROPOSED SHERMER RD & TECHN Y RD INTERSECTION**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			182	129
CONTRACT NO. 61K70				
SCALE: 40'		SHEET OF SHEETS		STA. TO STA.
ILLINOIS		FED. AID PROJECT		

ITEM	SPECIFICATION
① MAIN CIRCUIT BREAKER	100 AMPERE, 2P, 240V SERVICE RATING, 10KAIC
② LAMPHOLDER CIRCUIT BREAKER	20 AMPERE, 1P, 120V RATING, 10KAIC
③ PHOTOELECTRIC CONTROL CIRCUIT BREAKER	15 AMPERE, 1P, 120V RATING, 10KAIC
④ AUXILIARY RELAY	120 V OPERATED DPDT 60 HZ COIL 2 NO & 2 NC CONTACTS
⑤ CABINET RECEPTACLE AND BOX	COMMERCIAL GRADE GFCI 20A/120V, MOUNTED IN A WEATHERPROOF CAST ALUMINUM SINGLE GANG BOX WITH WEATHERPROOF COVER
⑥ CABINET LIGHT	5 WATT LED STRIP LIGHT, 60K HOUR RATING, 65K COLOR TEMPERATURE, DOOR SWITCH CONTROLLED, FASTENED TO TOP OF CABINET
⑦ CONTACTOR	100 AMPERE, 2P, 120V COIL, MECHANICALLY HELD
⑧ BRANCH LINE CIRCUIT BREAKERS	(4) 20A, 2P, 240V RATING, 10KAIC
⑨ POWER DISTRIBUTION BLOCK	600 VOLT, INSULATED, SIZE AS REQ'D, 10KAIC
⑩ SERVICE CABLES	3-600V (XLP-TYPE USE) NO. #2
⑪ LAMPHOLDER WIRE	2-600V XLP NO. 12
⑫ CONTROL WIRE	2-600V XLP NO. 12
⑬ SURGE ARRESTOR	10 K AMPERE RATING
⑭ PHOTOELECTRIC CONTROL WIRE	3-600V XLP NO. 12
⑮ DOOR SWITCH	20A/120V, DOOR MOUNTED SNAP ACTION TYPE PLUNGER SWITCH
⑯ HAND-AUTO-OFF CONTROL SWITCH	20A, 3 POS. MTD IN CAST ALUM. ENCLOSURE
⑰ PHOTOCCELL	120V, MTD. ON CABINET, DELAY TYPE, SPST-NC
⑱ TERMINAL BLOCK	3 TERMINAL, SCREW TYPE, MAX. #10 WIRE SIZE
⑲ CIRCUIT BREAKER DIST. BLOCKS	30A, 600V, 10 KAIC - WIRE RANGE: LINE SIDE LUG (1) #2/0-#14 AWG, LOAD SIDE LUGS (2) #4-#14 AWG

NOTES:

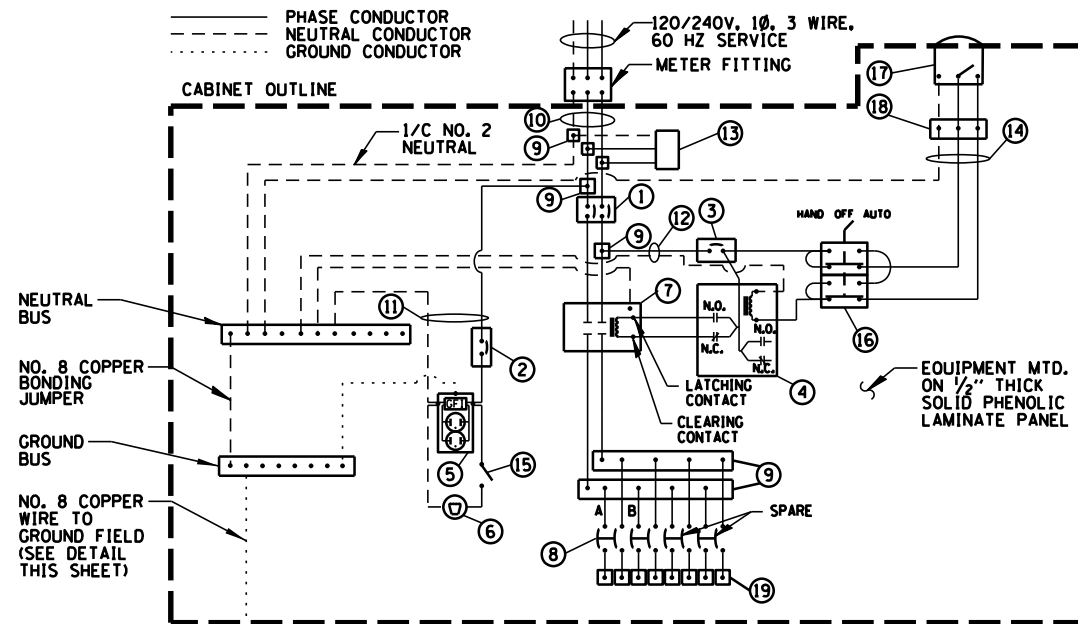
- ALL ITEMS LISTED IN LIGHTING CONTROLLER COMPONENT SCHEDULE SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR "LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 100 AMP" INCLUDING CABINET AND FOUNDATION.
- THE LIGHTING CONTROLLER TOGETHER WITH ALL OF ITS COMPONENTS SHALL BE UL LISTED AS AN "ENCLOSED INDUSTRIAL CONTROL PANEL" UNDER UL508A.
- CONNECTION OF SURGE ARRESTOR TO LINE SIDE OF MAIN CIRCUIT BREAKER SHALL NOT BE "DOUBLE LUGGED."
- THE MAIN CIRCUIT BREAKER AND LAMPHOLDER CIRCUIT BREAKER SHALL BE LABELED "SERVICE DISCONNECT".
- ALL SWITCHES AND CONTROLS SHALL BE IDENTIFIED USING TWO COLOR ENGRAVED NAMEPLATES.
- THE PANEL MANUFACTURER SHALL LABEL THE CABINET WITH THE APPROPRIATE ARC FLASH WARNING AND PERSONNEL PROTECTION EQUIPMENT REQUIRED FOR SERVICING.
- ALL EXPOSED BUS BARS SHALL BE INSULATED.
- ALL WIRING SHALL BE COPPER.

**PROPOSED LIGHTING CONTROLLER "C1" COMPONENT SCHEDULE**

LIGHTING CONTROLLER "C1" CIRCUIT LOADS					
CIRCUIT ID	WIRE COLOR	124W PROPOSED ROADWAY LUMINAIRE		TOTAL CIRCUIT LOAD	
		QTY.	LOAD/FIXT. (WATTS)	(WATTS)	AMPS (VOLTS)
A	R	3	124 W	372 W	1.6 A (240V)
B	B	3	124 W	372 W	1.6 A (240V)
TOTAL	-	6	N/A	744 W	3.2 A (240V)

WIRE COLORS  
R=RED  
B=BLACK

**PROPOSED LIGHTING /ELECTRICAL CIRCUIT LOADS - C1**

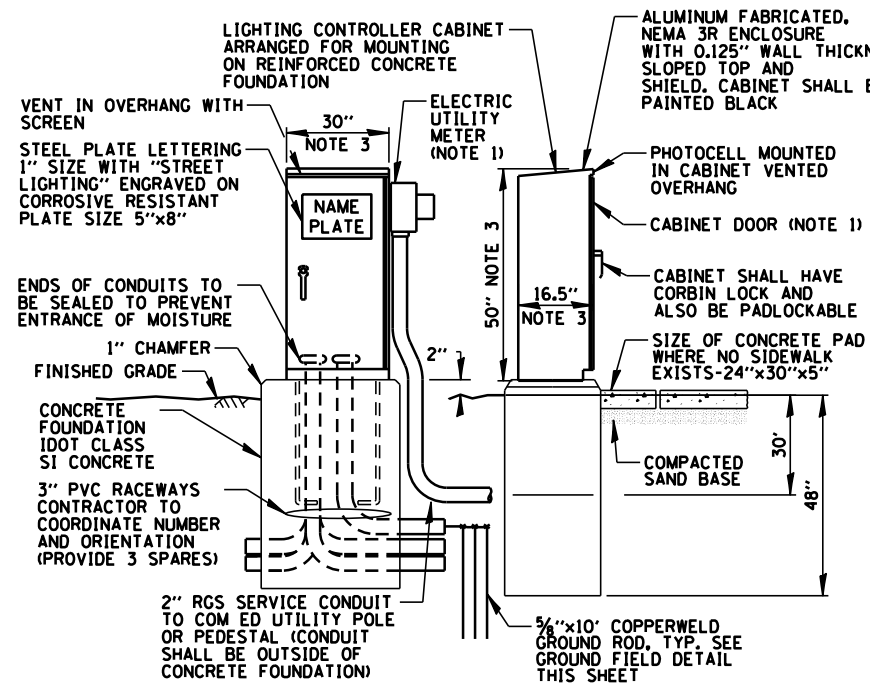


NOTES:

- ALL GROUND CONDUCTORS SHALL BE GREEN AND NEUTRAL CONDUCTORS SHALL BE WHITE. PHASE CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH SECTION 1066.02 OF THE STANDARD SPECIFICATIONS. CONTRACTOR SHALL ONLY USE SOLID COLOR CODED INSULATIONS. COLOR STRIPPING OF PHASE CONDUCTORS SHALL NOT BE ALLOWED.
- IN ADDITION TO THE TERMINATIONS SHOWN, THE NEUTRAL AND GROUND BUS BARS SHALL EACH ACCOMMODATE A MINIMUM OF 8 ADDITIONAL TERMINATIONS (#2-#14).

**PROPOSED LIGHTING CONTROLLER "C1" WIRING DETAIL**

N.T.S.

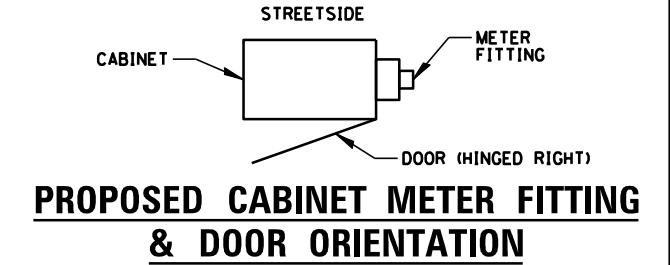


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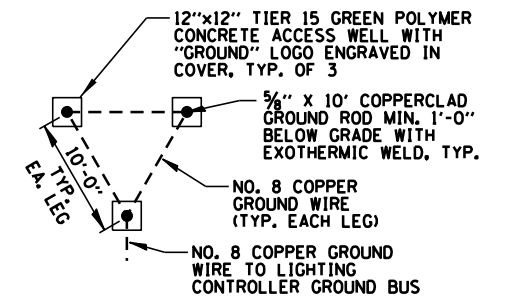
- SEE DETAIL THIS SHEET FOR CABINET METER FITTING & DOOR ORIENTATION. METER AND DISCONNECT SHALL BE CECHA APPROVED. METER FITTING AND SERVICE CONDUIT SHALL BE PAINTED BLACK.
- ALL ITEMS SHOWN ABOVE (INCLUDING FOUNDATION, ELECTRIC METER & GROUND FIELD) SHALL BE INCLUDED IN THE PRICE BID FOR "LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 100 AMP", EXCEPT FOR THE SERVICE CONDUIT/WIRE WHICH WILL BE PAID FOR SEPARATELY.
- CABINET DIMENSIONS SHOWN ARE APPROXIMATE, CABINET SHALL BE AS COMPACT AS POSSIBLE, CONTRACTOR TO COORDINATE.

**PROPOSED LIGHTING CONTROLLER "C1" CABINET AND FOUNDATION**

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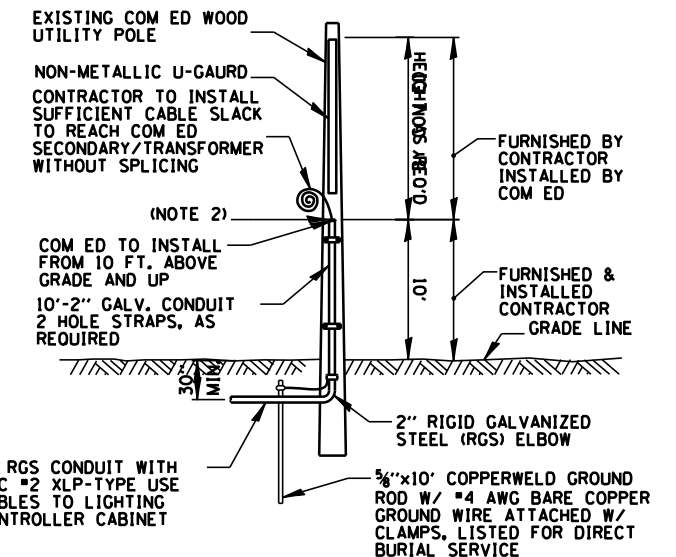


N.T.S.



**GROUND FIELD DETAIL (TYP.)**

N.T.S.



NOTES:

- ALL WORK SHALL CONFORM TO COM ED'S BOOK OF "INFORMATION AND REQUIREMENTS FOR THE SUPPLY OF ELECTRIC SERVICE."
- CONTRACTOR SHALL PROVIDE CONDUIT BUSHING AND SEALING COMPOUND AT TOP OF RISER.
- ALL MATERIAL ABOVE (EXCEPT FOR POLE) SHALL BE INCLUDED IN THE PRICE BID FOR "ELECTRIC SERVICE INSTALLATION". THE HORIZONTAL SERVICE CONDUIT AND WIRING FROM POLE TO CONTROLLER SHALL BE PAID FOR SEPARATELY.

**COM ED OVERHEAD CONNECTION POLE**

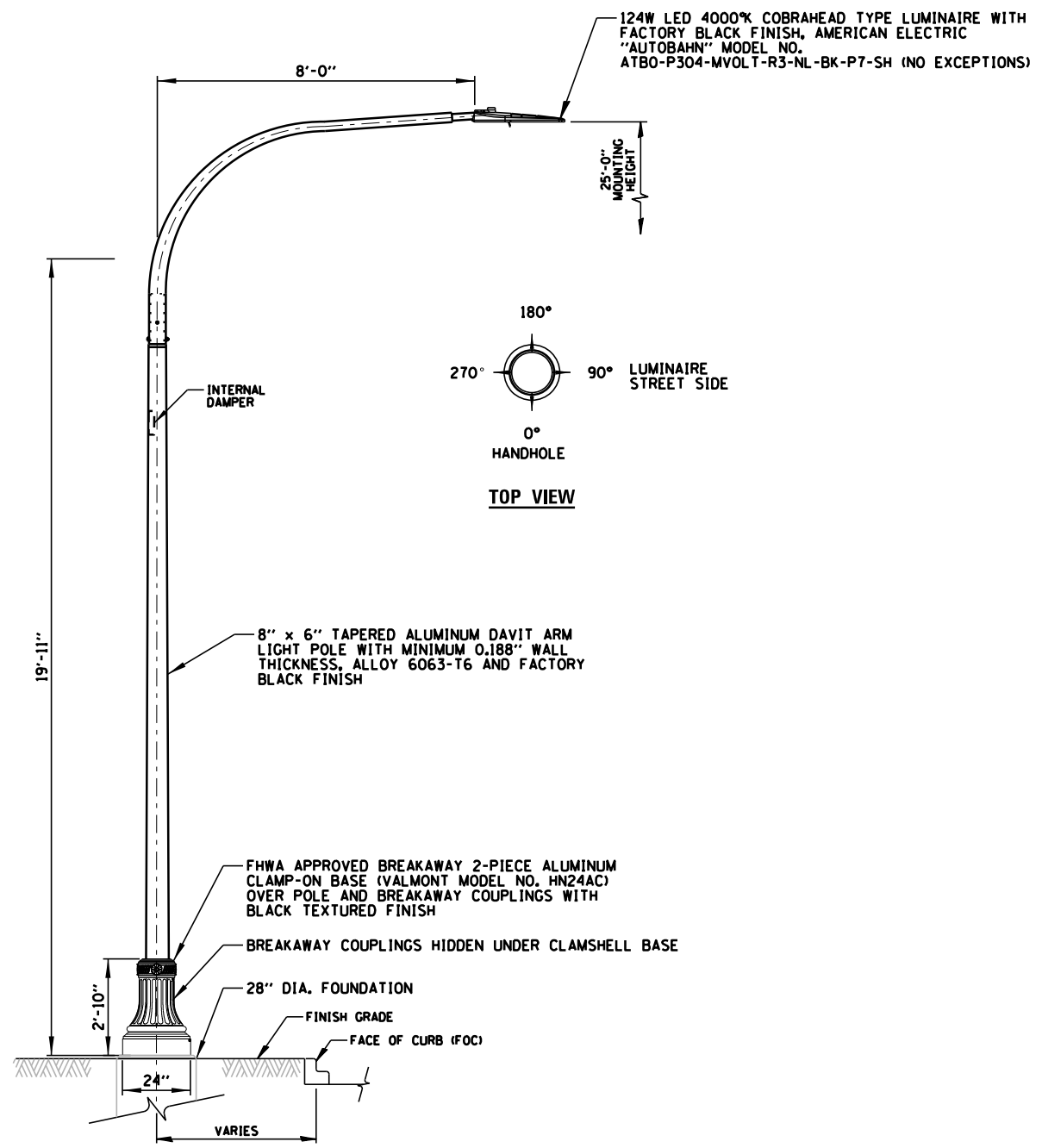
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHERMER ROAD ROADWAY LIGHTING IMPROVEMENTS  
LIGHTING DETAILS (1 OF 8)

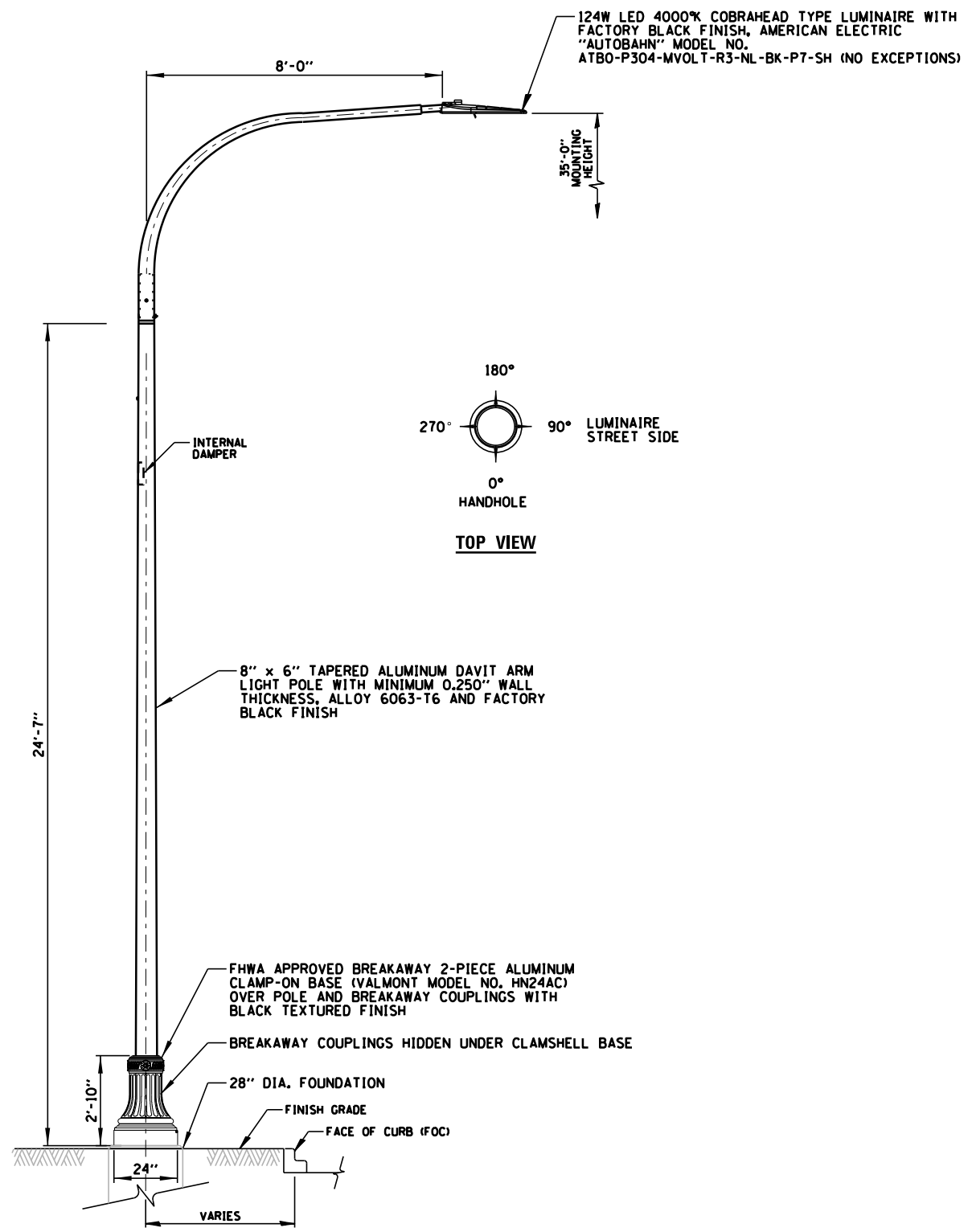
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			182	130
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. ALL LIGHT POLES SHALL MEET WIND LOADING AND VIBRATION REQUIREMENTS ACCORDING TO THE LATEST AASHTO STANDARDS AND ARTICLE 1069.01 OF THE STANDARD SPECIFICATIONS, AS PREPARED BY IDOT.
  2. ALL LIGHT POLE HANDHOLES SHALL FACE AWAY FROM VEHICULAR TRAFFIC.
  3. PAID FOR UNDER, "LIGHTING UNIT A, COMPLETE" (SEE SPECIAL PROVISION).

**25 FT STANDARD LIGHTING UNIT**  
N.T.S.



- NOTES:**
1. ALL LIGHT POLES SHALL MEET WIND LOADING AND VIBRATION REQUIREMENTS ACCORDING TO THE LATEST AASHTO STANDARDS AND ARTICLE 1069.01 OF THE STANDARD SPECIFICATIONS, AS PREPARED BY IDOT.
  2. ALL LIGHT POLE HANDHOLES SHALL FACE AWAY FROM VEHICULAR TRAFFIC.
  3. PAID FOR UNDER, "LIGHTING UNIT B, COMPLETE" (SEE SPECIAL PROVISION).

**35 FT STANDARD LIGHTING UNIT**  
N.T.S.

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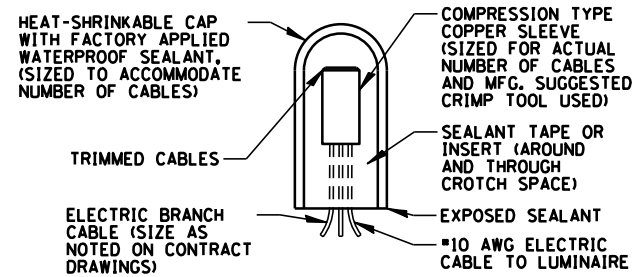
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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

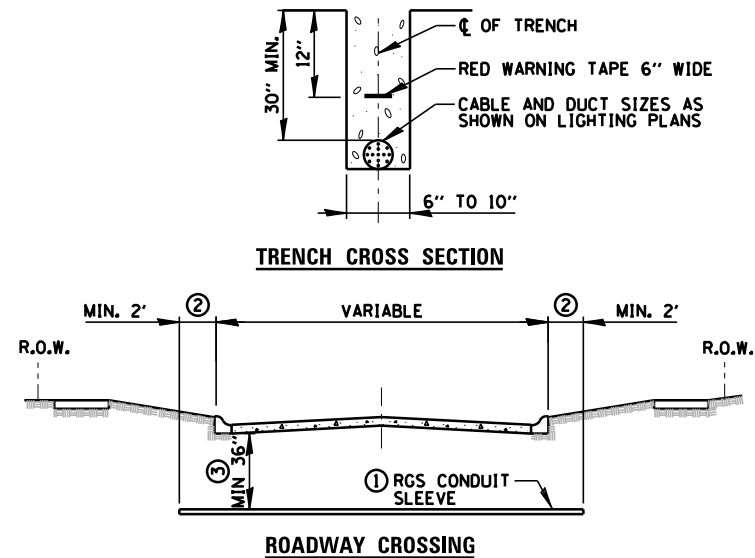
SHERMER ROAD ROADWAY LIGHTING IMPROVEMENTS  
LIGHTING DETAILS (2 OF 8)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			182	131
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

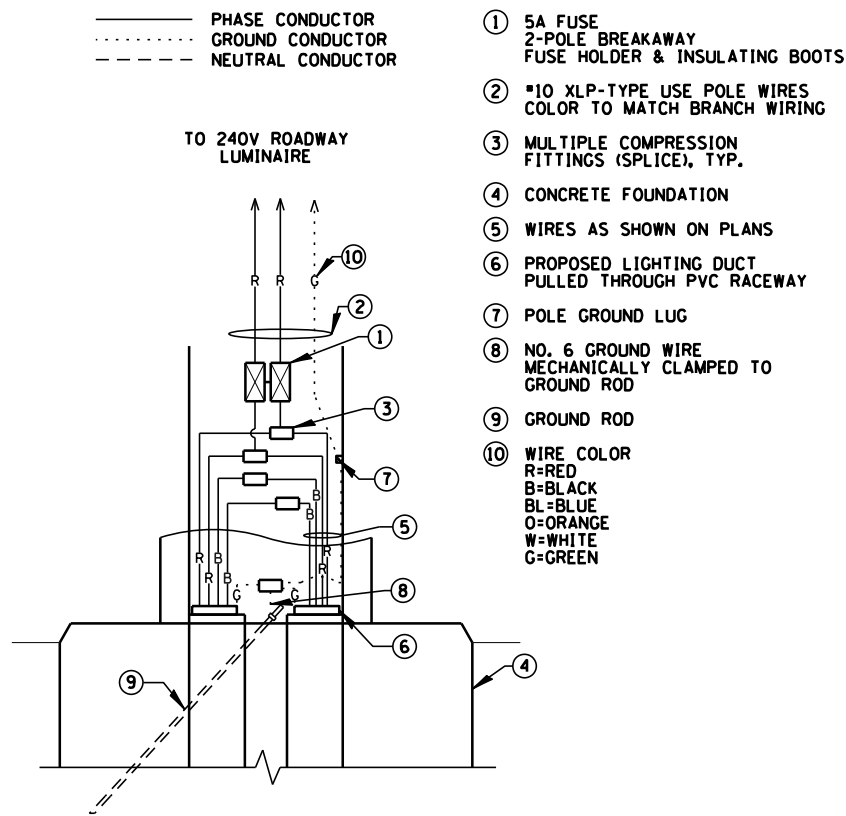


**SPlicing ELECTRIC CABLE**  
N.T.S.

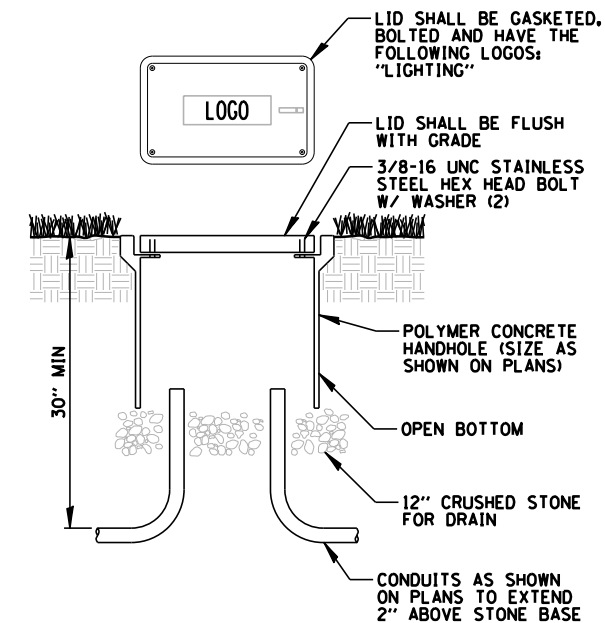


- ① SLEEVE SHALL BE HEAVY WALL RIGID GALVANIZED STEEL (RGS) CONDUIT.
- ② SLEEVE SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
- ③ SLEEVE SHALL BE A MINIMUM OF 36" BELOW ROADWAY OR CURB BOTTOM.

**ELECTRIC CONDUIT INSTALLATION**  
N.T.S.



**STANDARD POLE HANDHOLE WIRING DIAGRAM**  
N.T.S.



- NOTES:**
- 1. NO SPlicing ALLOWED IN HANDHOLE.
  - 2. POLYMER CONCRETE HANDHOLE AND LID SHALL BE GREY.
  - 3. BOX & LID SHALL MEET/EXCEED ANSI TIER 15 LOADING REQUIREMENTS, AND BE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/SCTE 77 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY", AND THE PROVISIONS OF PARAGRAPHS 5.2.3 AND 5.2.4 OF WESTERN UNDERGROUND COMMITTEE GUIDE 3.6.

**POLYMER CONCRETE HANDHOLE**  
N.T.S.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHERMER ROAD ROADWAY LIGHTING IMPROVEMENTS  
LIGHTING DETAILS (3 OF 8)

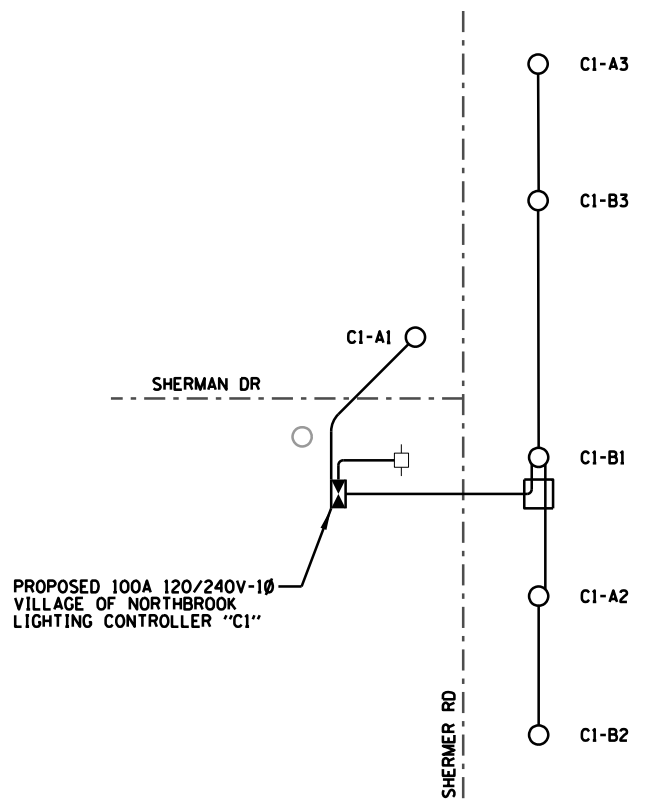
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			182	132
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

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



- LEGEND**
- PROPOSED ROADWAY LUMINAIRE
  - EXISTING LUMINAIRE
  - PROPOSED CONDUIT
  - PROPOSED HANDHOLE
  - ▣ PROPOSED CONTROLLER
  - CONTROLLER IDENTIFIER
  - LIGHTING CIRCUIT IDENTIFIER
  - LIGHT POLE NUMBER IDENTIFIER
  - RECEPTACLE CIRCUIT IDENTIFIER (IF APPLICABLE)
  - - - CENTERLINE OF ROADWAY

CONTROLLER "C1"	
LIGHT POLE IDENTIFIER	LUMINAIRE CKT
C1-A1	A
C1-B1	B
C1-A2	A
C1-B2	B
C1-A3	A
C1-B3	B



**LIGHTING ONE-LINE DIAGRAM FOR SHERMER RD & SHERMAN DR – CONTROLLER "C1"**  
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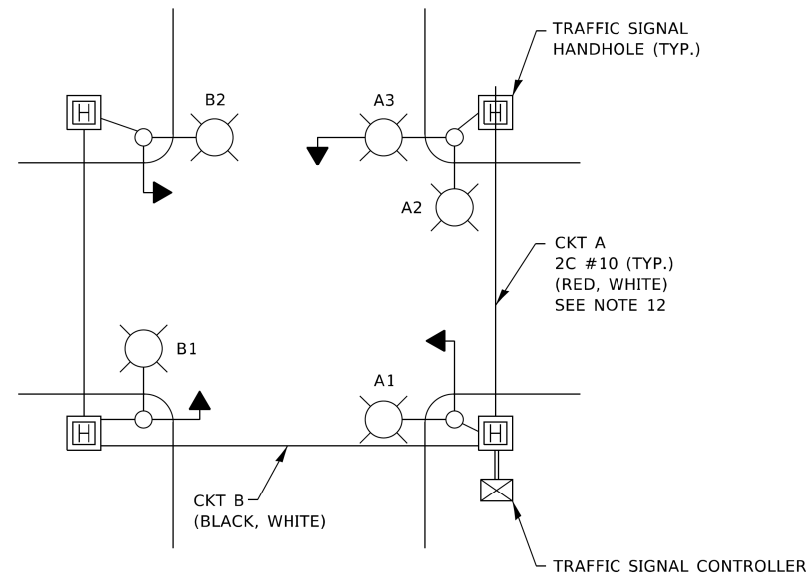
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

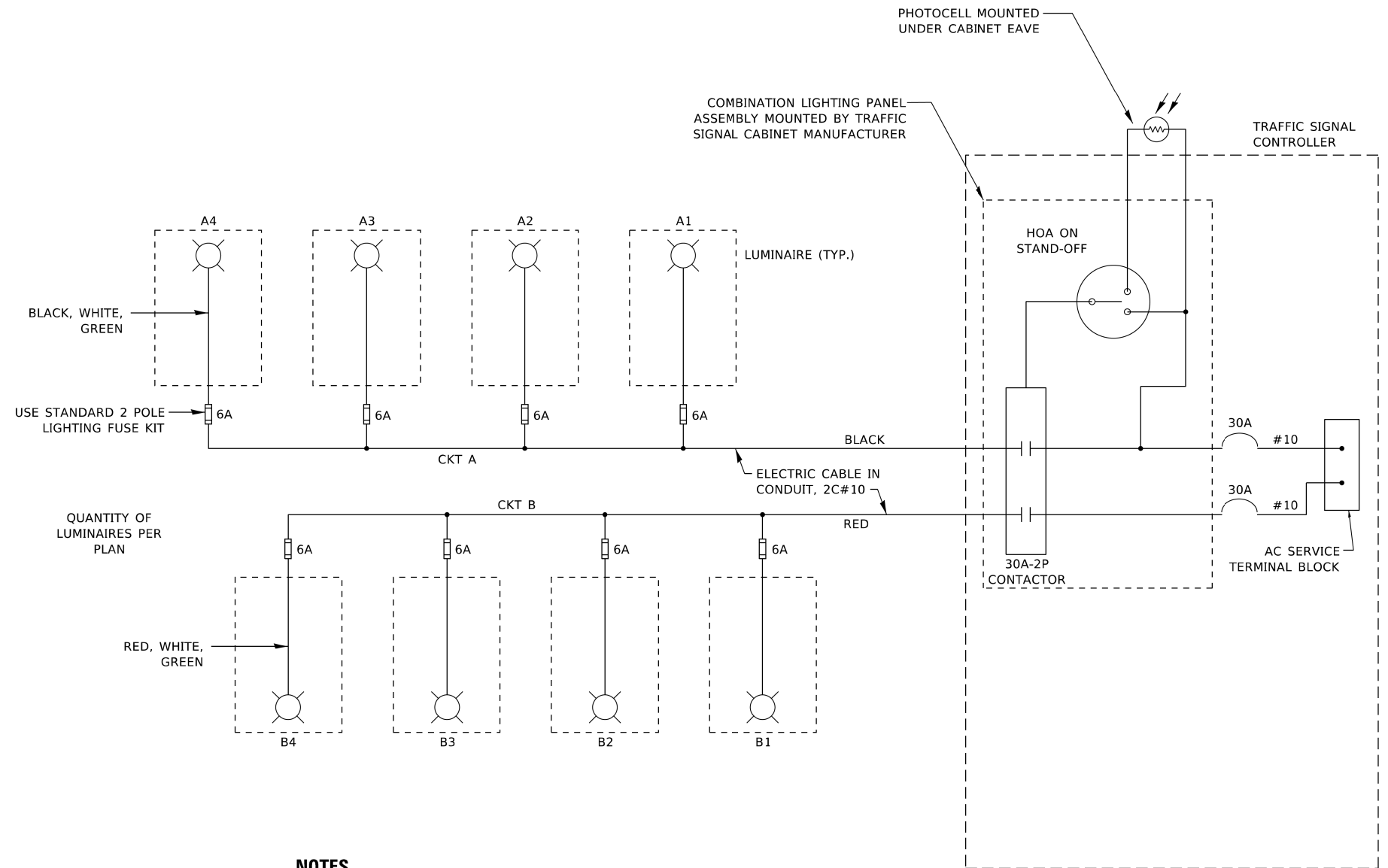
**SHERMER ROAD ROADWAY LIGHTING IMPROVEMENTS**  
**LIGHTING DETAILS (4 OF 8)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

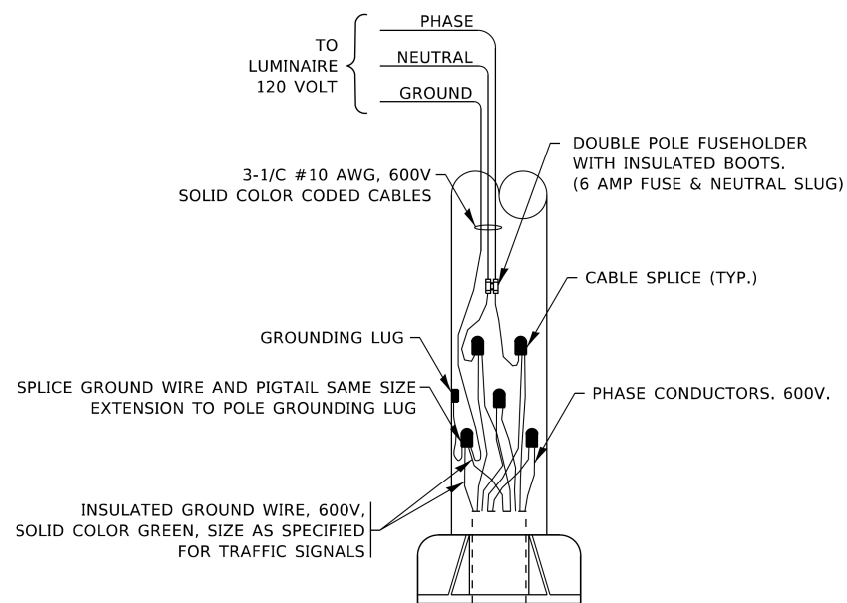


**TYPICAL LIGHTING CIRCUIT**  
(NOT TO SCALE)



**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.



**COMBINATION POLE WIRING DETAIL**  
(NOT TO SCALE)

**IDOT STANDARD BE-240**  
(REVISED 5/5/2022)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHERMER ROAD ROADWAY LIGHTING IMPROVEMENTS  
LIGHTING DETAILS (5 OF 8)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			182	134
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

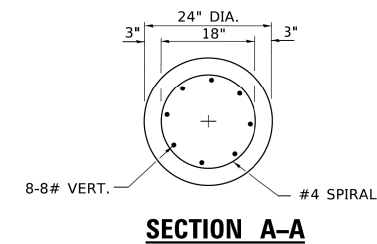
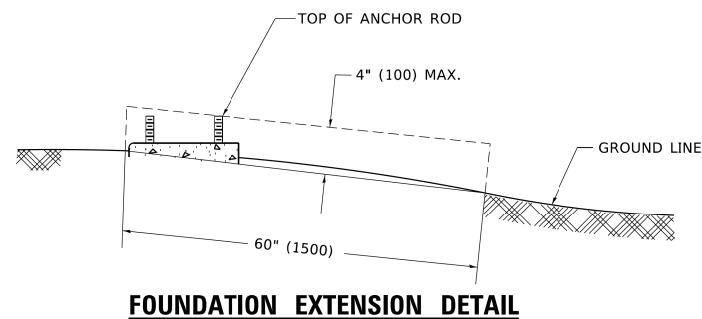
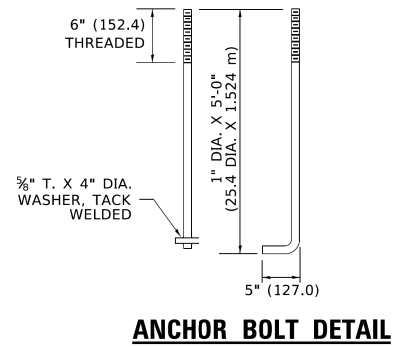
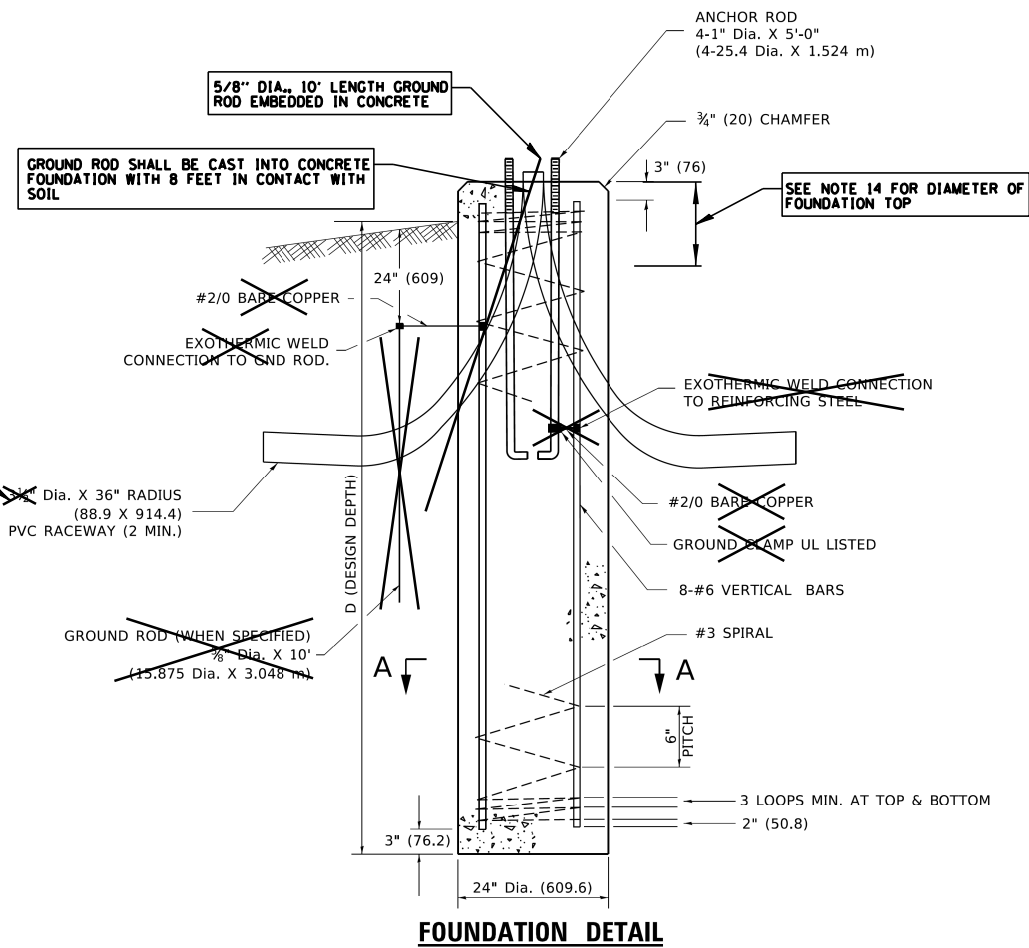
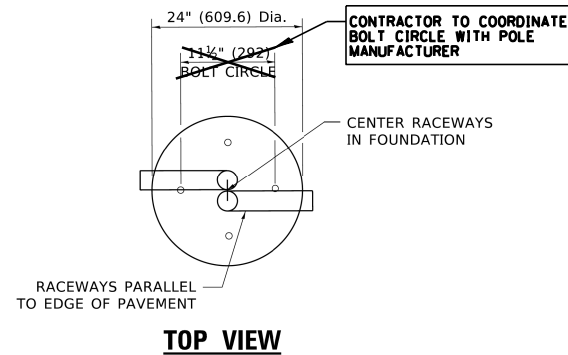
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PLOT SCALE = 40'	DRAWN - RMS/RJJ	REVISED -
PLOT DATE = 7/3/2024	CHECKED - AJD	REVISED -
	DATE -	REVISED -

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

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



**LIGHT POLE FOUNDATION**  
N.T.S.

**NOTES**

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 5" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- TOP 12" OF FOUNDATIONS SHALL BE 28" DIAMETER.

PAID FOR UNDER "LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL" (SEE SPECIAL PROVISION).

**IDOT STANDARD BE-300  
MODIFIED FOR THIS PROJECT**

MODEL: D:\in\1... FILE NAME: ILLINOIS\HERO\2023\Mech\LDI\_230223\_06.dwg

USER NAME = rschmieder	DESIGNED - AJD/RJJ	REVISED -
PLOT SCALE = 40'	DRAWN - RMS/RJJ	REVISED -
PLOT DATE = 7/3/2024	CHECKED - AJD	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHERMER ROAD ROADWAY LIGHTING IMPROVEMENTS  
LIGHTING DETAILS (6 OF 8)  
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			182	135
CONTRACT NO. 61K70				
ILLINOIS FED. AID PROJECT				

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from C-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

BILL OF MATERIAL

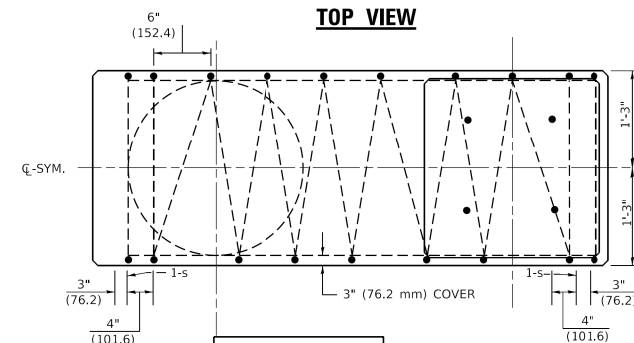
MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s <sub>1</sub>	3	3	7'-6" (2.286 m)	□
v <sub>1</sub>	8	6	2'-9" (0.838 m)	—
v <sub>2</sub>				

NOTES

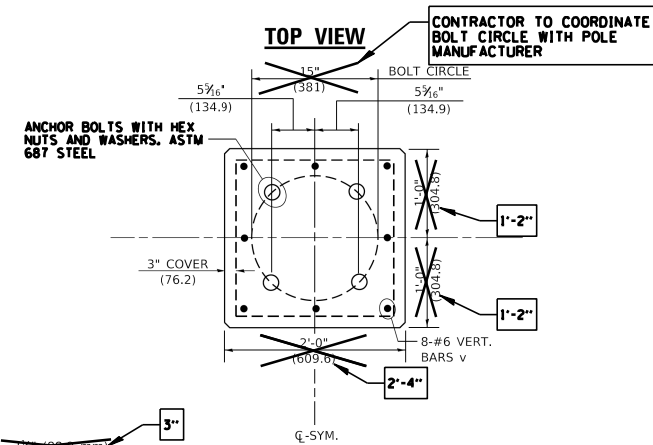
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 23#4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.

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PLAN-CAP BEAM TOP VIEW



TOP VIEW



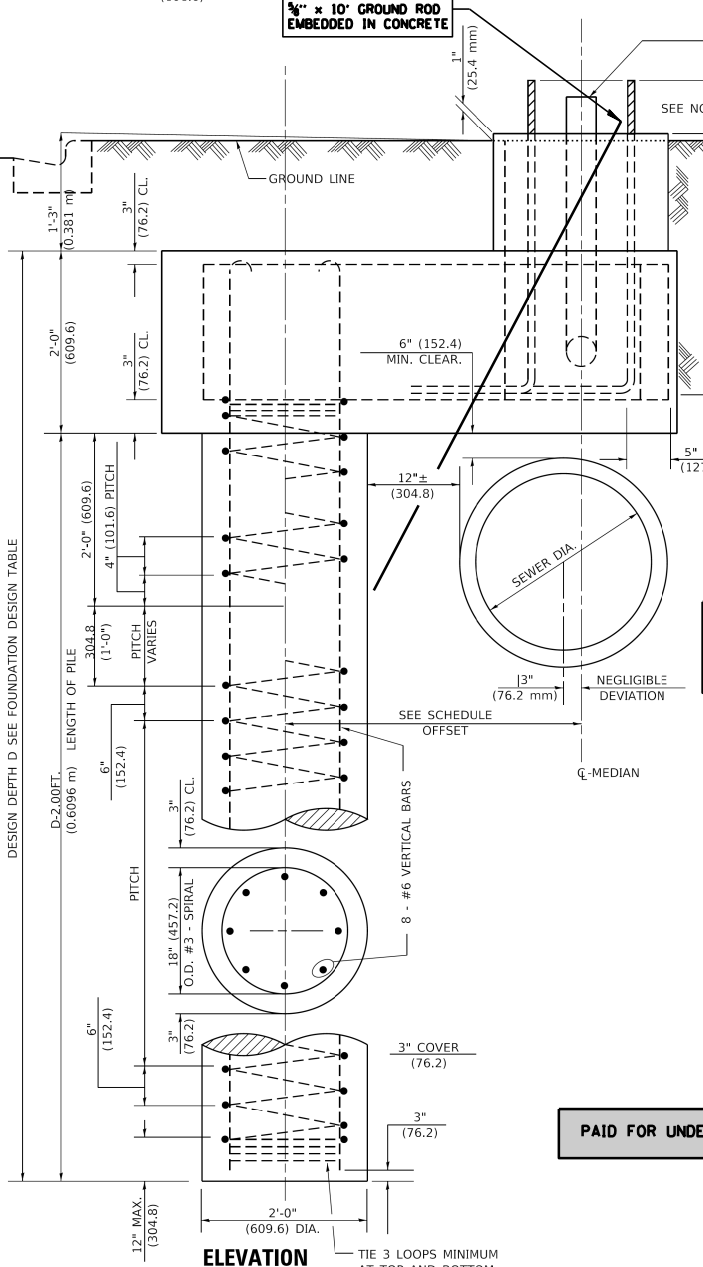
OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from C-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

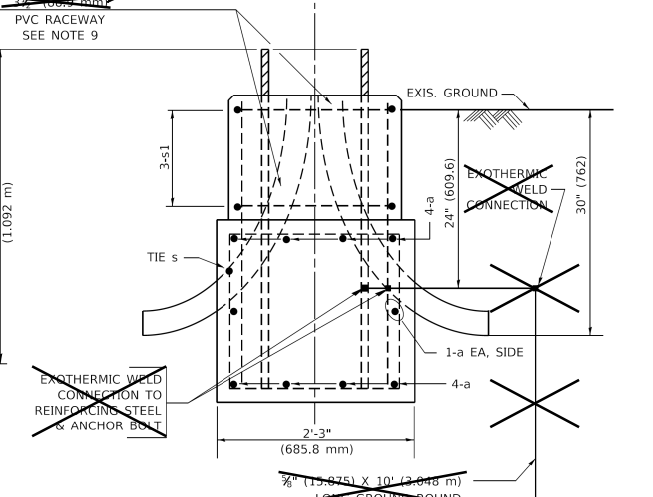
NOTES

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- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 23#4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.

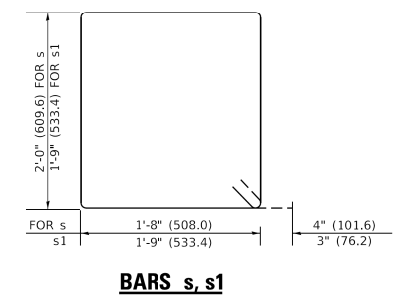
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END VIEW



CONTRACTOR SHALL USE A STANDARD CONCRETE FOUNDATION WHEREVER POSSIBLE. IF UTILITY CONFLICTS PROHIBIT THE USE OF A STANDARD CONCRETE FOUNDATION, THE CONTRACTOR SHALL CONSULT WITH ENGINEER PRIOR TO THE USE OF AN OFFSET FOUNDATION.



PAID FOR UNDER "LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET" (SEE SPECIAL PROVISION).

**IDOT STANDARD BE-310**  
(REVISED 6/16/2008)  
**MODIFIED FOR THIS PROJECT**

**LIGHT POLE FOUNDATION OFFSET**  
N.T.S.

USER NAME = rschmieder	DESIGNED - AJD/RJJ	REVISED -
PLOT SCALE = 40'	DRAWN - RMS/RJJ	REVISED -
PLOT DATE = 7/3/2024	CHECKED - AJD	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHERMER ROAD ROADWAY LIGHTING IMPROVEMENTS			
LIGHTING DETAILS (7 OF 8)			
SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			182	136
ILLINOIS			CONTRACT NO. 61K70	
FED. AID PROJECT				





**ComEd**  
An Exelon Company

### Service and Meter Application Switch and Load Information Sheet

Please complete a separate sheet for each switch – existing or new:

Project Name: Shermer Rd Street Lighting  
Site Address: 2370 Shermer Rd, Northbrook IL, 60062  
Switch Name and Location: Lighting Controller located at SW corner of Shermer Rd. and Sherman Dr.

#### Service Voltage (check one):

- 120/240V 1-phase, 3-wire
- 120/240V 3-phase, 4-wire
- 120/208V 3-phase, 4-wire
- Other:
- 4kV  12kV  34kV 3-phase, 3-wire
- 4kV  12kV  3-phase, 4-wire
- 277/480V 3-phase, 4-wire
- 480V 3-phase 3-wire (B-phase Grounded)
- 480V 3-phase 3-wire (Ungrounded – requires ground detection equip.)

#### Other Items (check all that apply):

- New Construction Sq. Ft.
- Building Addition Sq. Ft.
- Relocating Existing Service Entrance
- Hi-Rise/ Vault Service
- Underground Service
- Overhead Service
- Commercial – No. of units Sq. Ft.
- Residential – No. of units Sq. Ft.

Date of Ground Breaking (est.): \_\_\_\_\_ Date to Final Grade (est.): \_\_\_\_\_  
Date to Energize: \_\_\_\_\_ Hours of Operation Per Day:  8  12  16  24

Switch Size (amps): 100 (If switchgear is 1,200 Amps or larger, customer must submit drawings for ComEd approval)

Switch Rating (percentage): 80%

Secondary Conductors: 3 (Number) Sets of 1 /C #2 (No. of conductors) (Size)  CU or  AL (Type)

#### Total Connected Load Information:

( KW or HP )	Description:	Connected Load:	
		1-phase	3-phase
Lighting:	Lighting	0.8 Kw	
VAC:			
Receptacle:			
Process Heat:			
Water Heat:			
Space Heat:			
Motors*:			
Welders**:			
<b>TOTAL LOAD:</b>		0.8 Kw	

\*Motor Load Detail included above:

Description	Quantity	Size (HP)	Efficiency Rating	Phase / Voltage	Nema Code	Starts Per Hr. or Day	Starting Amps	Use

\*\*Welder Detail included above:

Description	Quantity	Size (kVA)	Type	Max. Inst. Demand	P.F. at Peak	Welds Per Minute	Cycles Per Weld	Hours Per Day Use

COMED CONTACT: NORA CABRALES  
PHONE NUMBER: 847-643-6316



**ComEd**  
An Exelon Company

### Service and Meter Application Project Information Sheet

Project Name: Shermer Rd Street Lighting  
Site Address: 2370 Shermer Rd City: Northbrook Zip: 60062

Total Number of Service Entrance Locations (meters/switches) Requested: 1

Legal Name of Entity (Electric Consumer): Village of Northbrook

Corporation  Partnership  Sole Proprietor  Other: Municipality

Tax I.D.: \_\_\_\_\_ Existing Account Number: 3262131409

#### Principle(s) to Sign Contracts For Service, Easements, Etc.:

Property Owner: \_\_\_\_\_ Phone: \_\_\_\_\_  
Building Owner: \_\_\_\_\_ Phone: \_\_\_\_\_  
Building Manager: Matthew Morrison Phone: (847) 664-4111

#### Mailing Address For Contracts:

Company: Village of Northbrook Phone: (847) 644-4111 Fax: (847) 272-3629  
Address: 655 Huehl Rd City: Northbrook Zip: 60062

#### Mailing Address For Electric Bills:

Company: Village of Northbrook Phone: (847) 644-4111 Fax: (847) 272-3629  
Address: 655 Huehl Rd City: Northbrook Zip: 60062

#### Project Contacts:

Consulting Engineer: Rich Jezierny E-mail: rjezierny@cbbel.com  
Firm Name: Christopher Burke Engineering, Ltd. Phone: (847) 823-0500 Fax: (847) 823-0520  
Address: 9575 W. Higgins Road, Suite 600 City: Rosemont Zip: 60018

#### Electrical Contractor:

Consulting Engineer: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Firm Name: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_

#### Other:

Consulting Engineer: \_\_\_\_\_ E-mail: \_\_\_\_\_  
Firm Name: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip: \_\_\_\_\_

#### The Following Documents May Be Required:

- Plat of Survey with legal description of property (for easement, if required)
- Site Plan showing building relative to property lines – mark service entrance location(s)
- Civil drawings (showing water, sewer, gas, phone, electric, pavement, grading, etc.)
- Complete electrical drawings and/or load detail sheets

#### Information Provided By:

Print Name: Rich Jezierny  
Signature: \_\_\_\_\_  
Date: April 15, 2024

## ELECTRICAL SERVICE APPLICATION (CONTROLLER "C1") FOR INFORMATIONAL PURPOSES ONLY

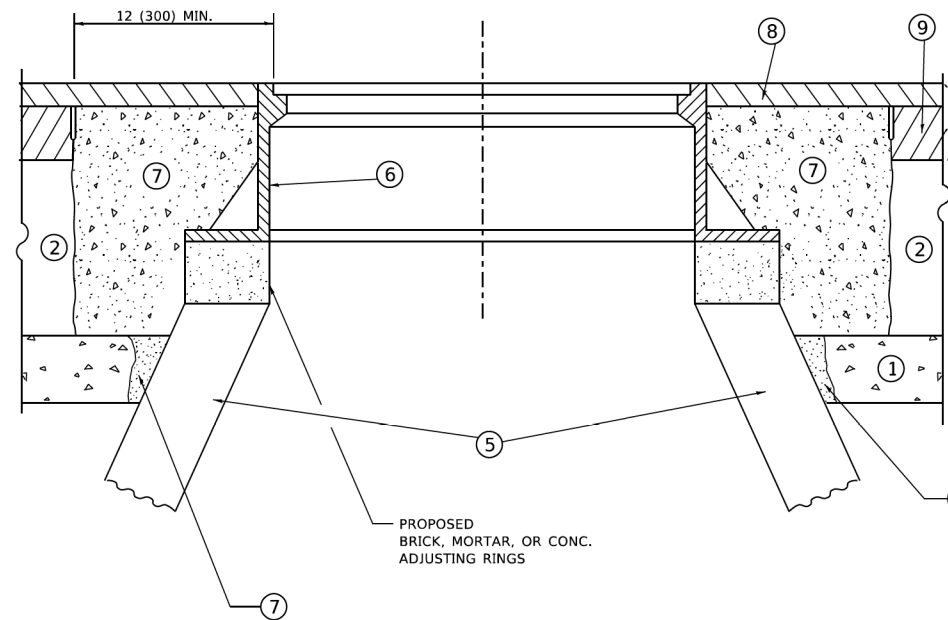
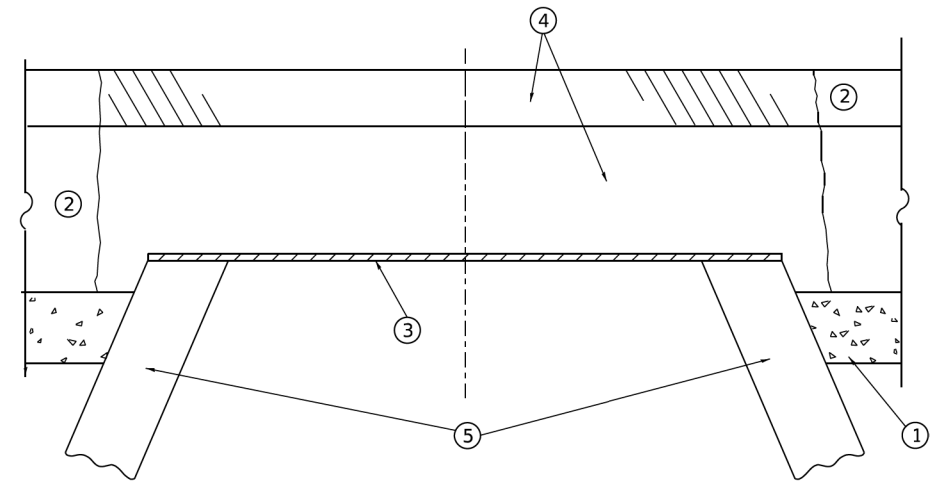
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USER NAME = rschmieder	DESIGNED - AJD/RJJ	REVISED -
PLOT SCALE = 40'	CHECKED - AJD	REVISED -
PLOT DATE = 7/3/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHERMER ROAD ROADWAY LIGHTING IMPROVEMENTS			
LIGHTING DETAILS (8 OF 8)			
SCALE: N.T.S.	SHEET OF SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			182	137
			CONTRACT NO. 61K70	
ILLINOIS FED. AID PROJECT				



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT  
WITH MILLING**

**NOTES**

- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

**STAGE 2 (AFTER PAVEMENT MILLING)**

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- |  |                               |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL                 | ⑥ FRAME AND LID (SEE NOTES)   |
| ② EXISTING PAVEMENT                          | ⑦ CLASS PP-2* CONCRETE        |
| ③ 36 (900) DIAMETER METAL PLATE              | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE  |
| ⑤ EXISTING STRUCTURE                         |                               |

**LOCATION OF STRUCTURES**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT**

- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

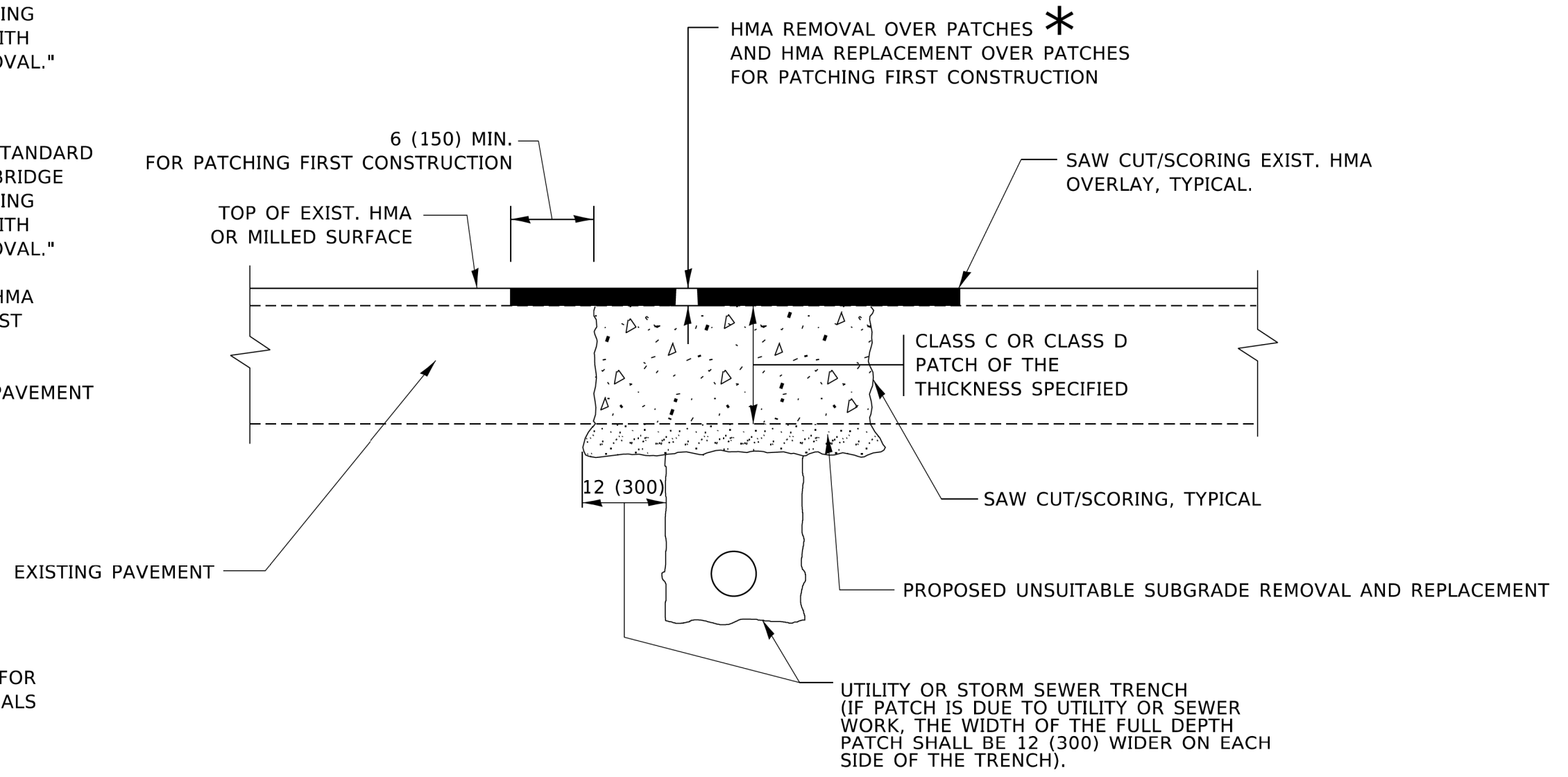
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	138
BD600-03 (BD-08)			CONTRACT NO. 61K70	
ILLINOIS FED. AID PROJECT				

**METHOD OF MEASUREMENT**

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

**BASIS OF PAYMENT**

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

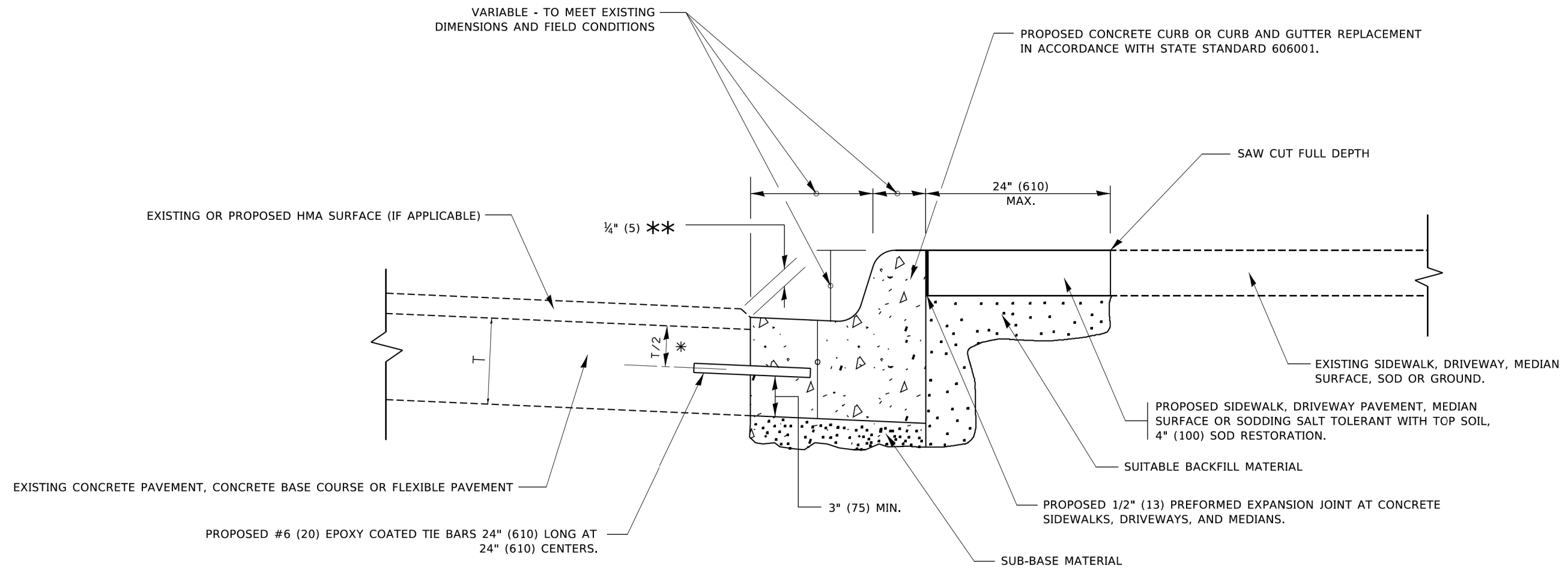
**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. ENG 10-27-08				2760	22-00183-00-BT	COOK	182	139
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		SCALE: NONE		SHEET 1 OF 1 SHEETS		CONTRACT NO. 61K70		
				STA. TO STA.		ILLINOIS FED. AID PROJECT				



- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

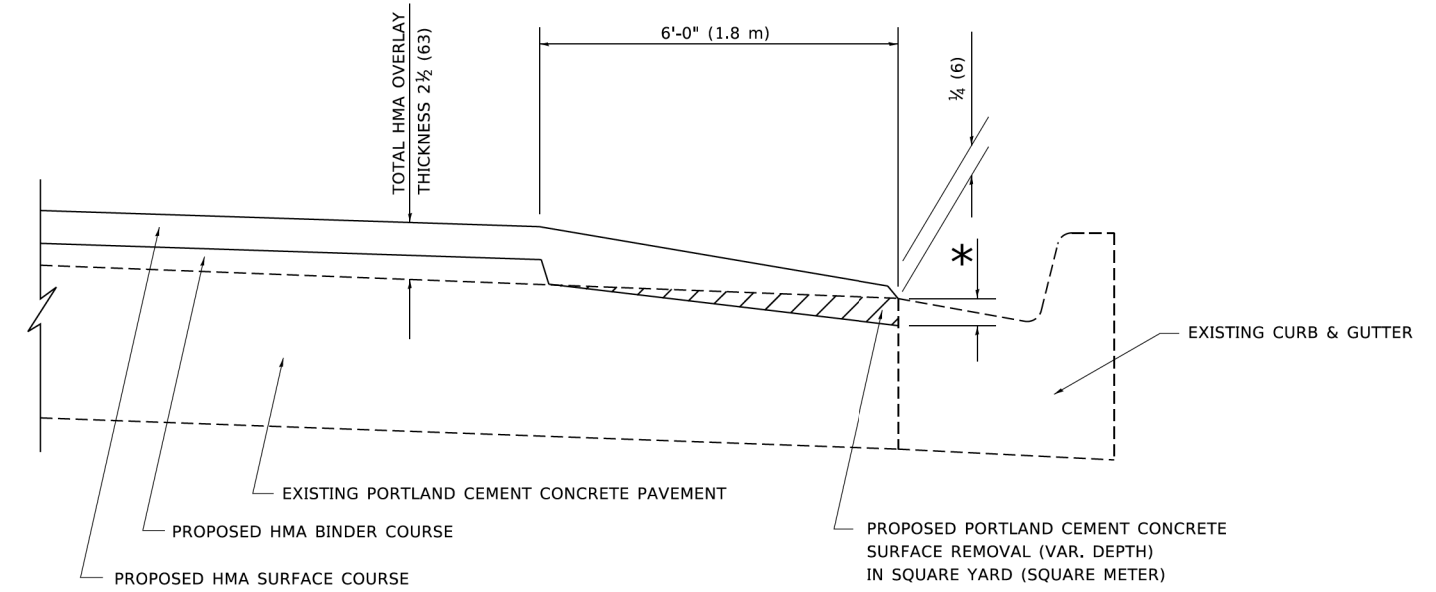
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER  
REMOVAL AND REPLACEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	140
<b>BD600-06 (BD-24)</b>		CONTRACT NO. 61K70		
ILLINOIS FED. AID PROJECT				





**HMA TAPER AT  
EDGE OF P.C.C. PAVEMENT**

HMA SURFACE COURSE	HMA BINDER COURSE	* MILLING AT GUTTER FLAG	
MIX	THICKNESS	THICKNESS	
D	1 1/2 (38)	1 (25)	1 1/4 (33)
E OR SMA 9.5	1 3/4 (44)	3/4 (19)	1 1/2 (38)

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

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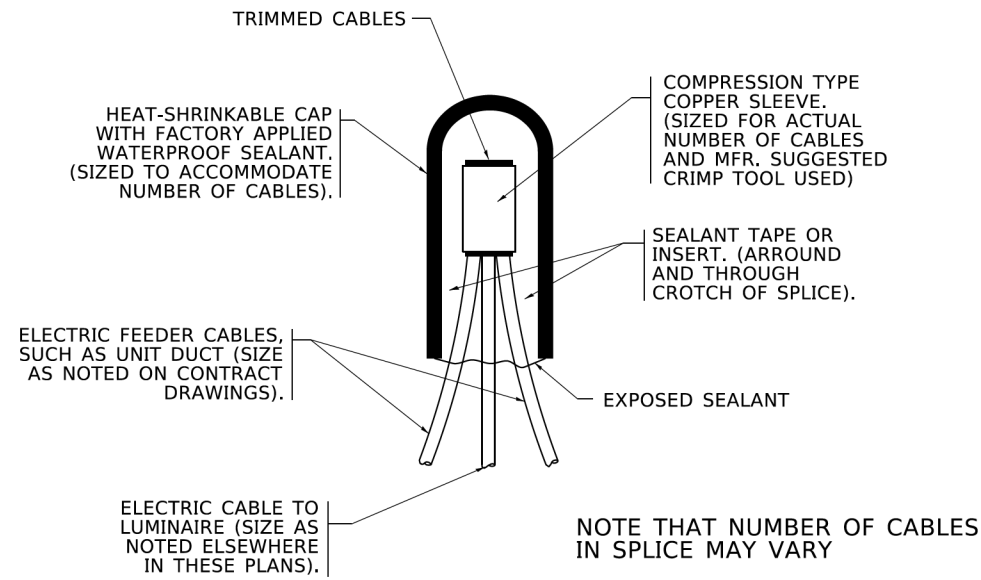
USER NAME = Shawn.Ley	DESIGNED - R. SHAH	REVISED - E. GOMEZ 12-21-00
	DRAWN - JIS	REVISED - R. BORO 01-01-07
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. ABBAS	REVISED - JP CHANG 07-08-16
PLOT DATE = 1/23/2023	DATE - 09-10-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

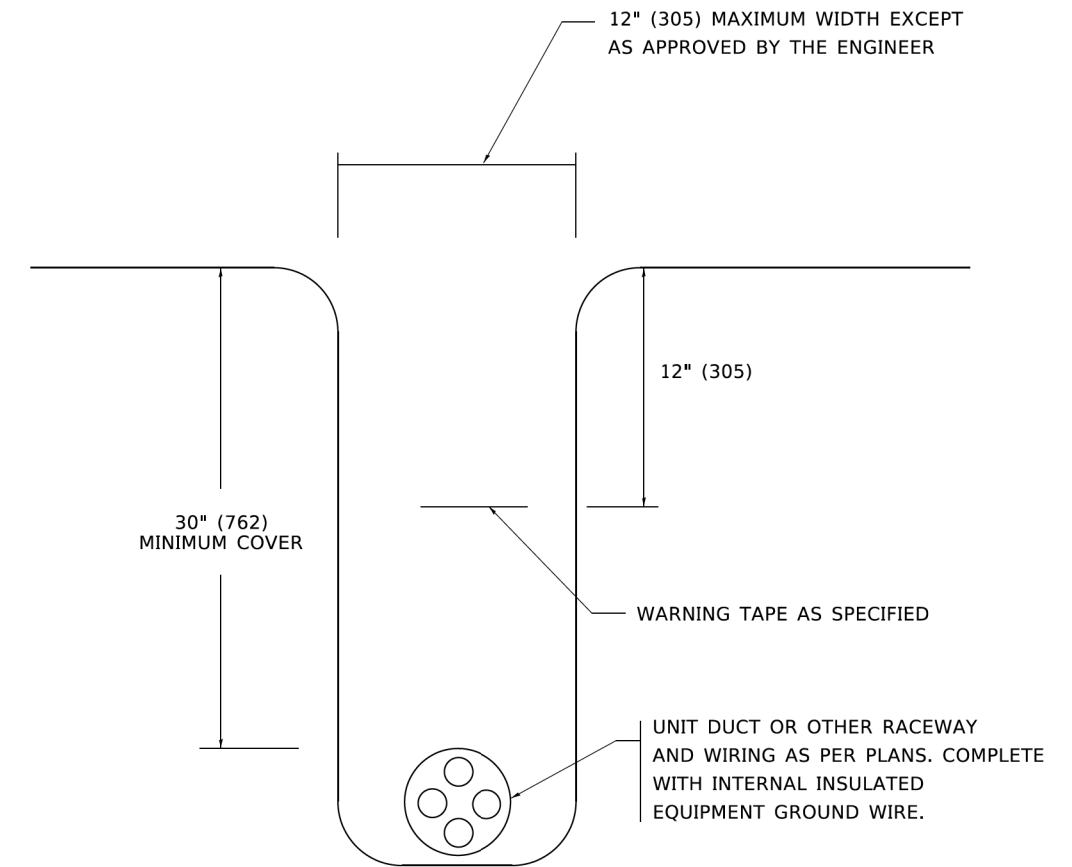
**HMA TAPER AT  
EDGE OF P.C.C. PAVEMENT**

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

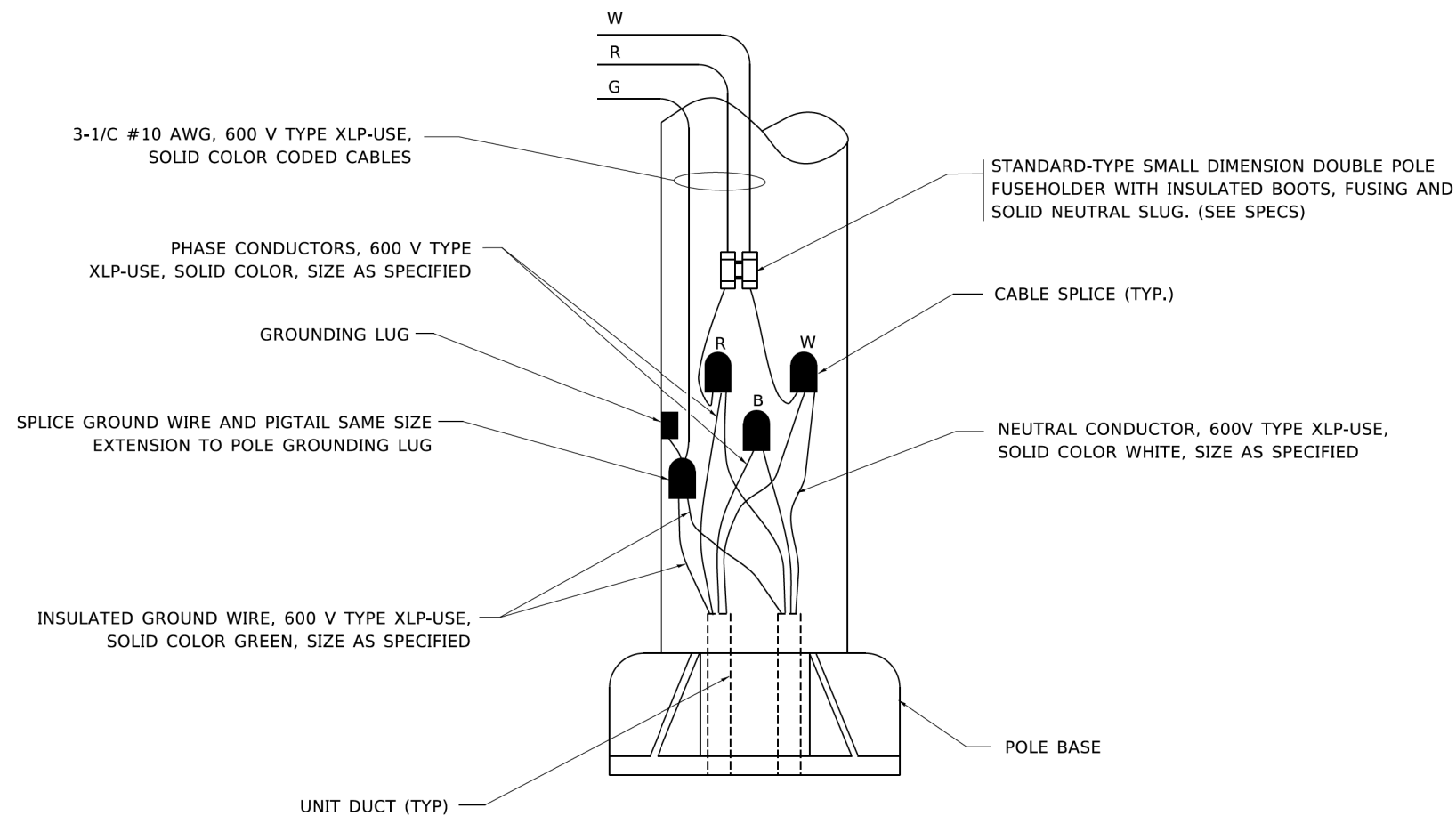
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	142
<b>BD400-06</b>	<b>BD-33</b>	CONTRACT NO. 61K70		
ILLINOIS FED. AID PROJECT				



**TYPICAL SPLICE DETAIL**  
**N.T.S.**



**TYPICAL WIRING IN TRENCH DETAIL**  
**N.T.S.**



**POLE WIRING DETAIL**  
**N.T.S.**

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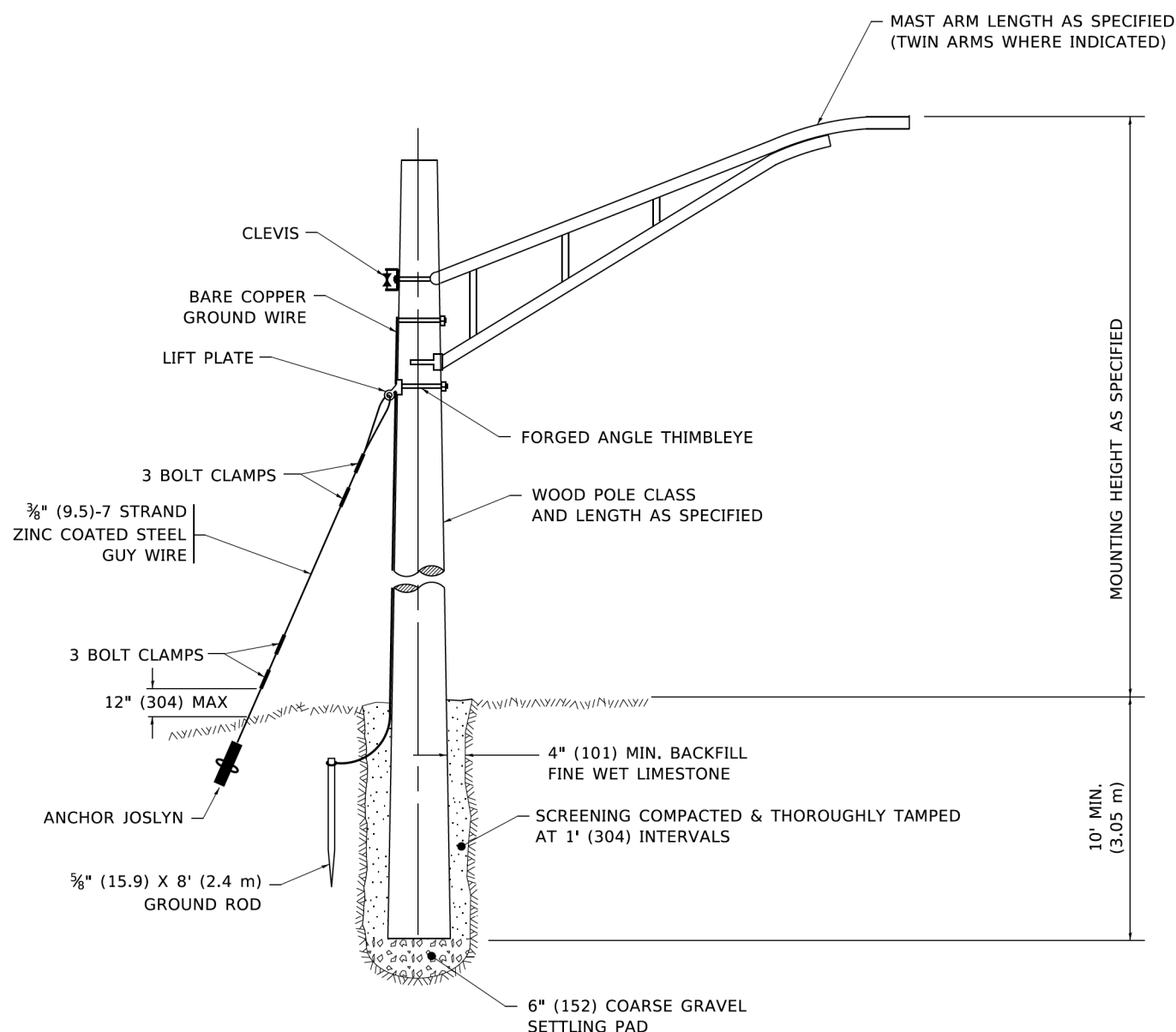
USER NAME = leysa	DESIGNED -	REVISED - 02/04/2020
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/2/2020	DATE - 08/08/2003	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS  
SHEET A

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

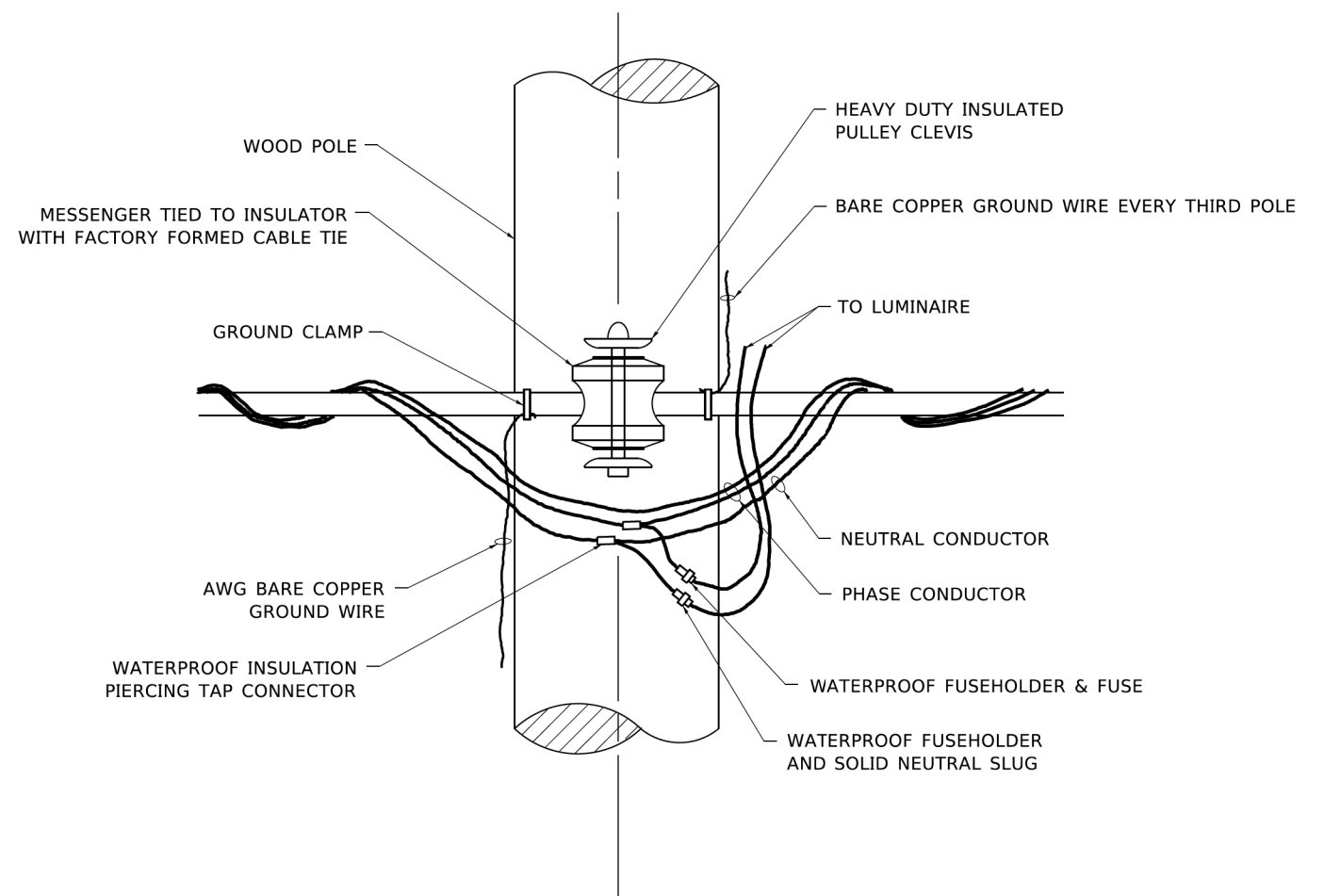
F.A.U. RTE. 2760	SECTION 22-00183-00-BT	COUNTY COOK	TOTAL SHEETS 182	SHEET NO. 143
BE-702		CONTRACT NO. 61K70		
ILLINOIS FED. AID PROJECT				



**TEMPORARY LIGHT POLE DETAIL**

**NOTE:**

- 1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
- 2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



**TEMPORARY LIGHT POLE ATTACHMENT DETAIL**

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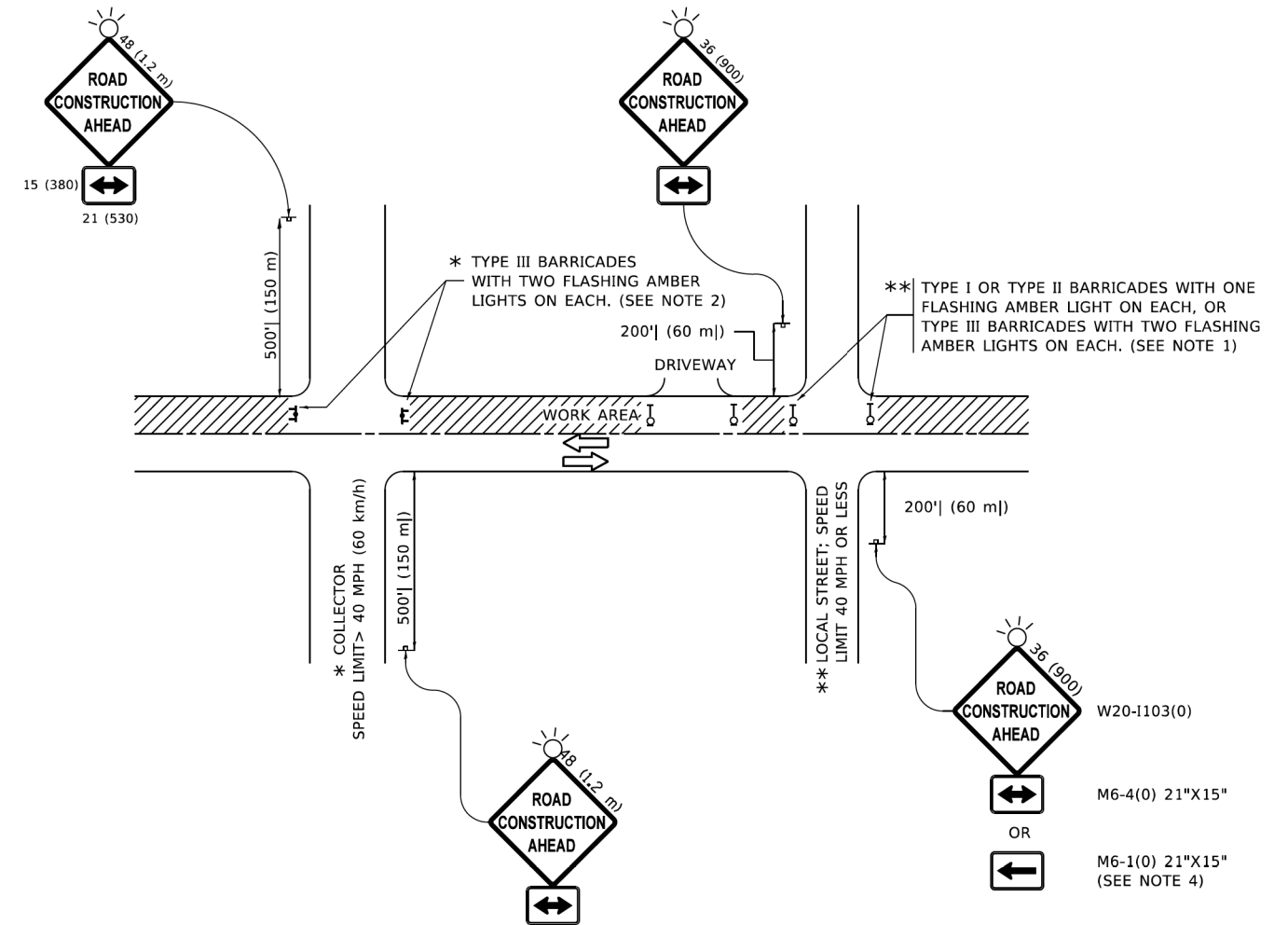
USER NAME = footemj	DESIGNED -	REVISED - 08-08-03
PLOT SCALE = 50.0010' / in.	DRAWN -	REVISED - R.T. 07-26-16
PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TEMPORARY LIGHT POLE DETAILS</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE. 2760	SECTION 22-00183-00-BT	COUNTY COOK	TOTAL SHEETS 182	SHEET NO. 144
<b>BE-800</b>		CONTRACT NO. 61K70		
ILLINOIS FED. AID PROJECT				





**NOTES:**

- 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.
- 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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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**

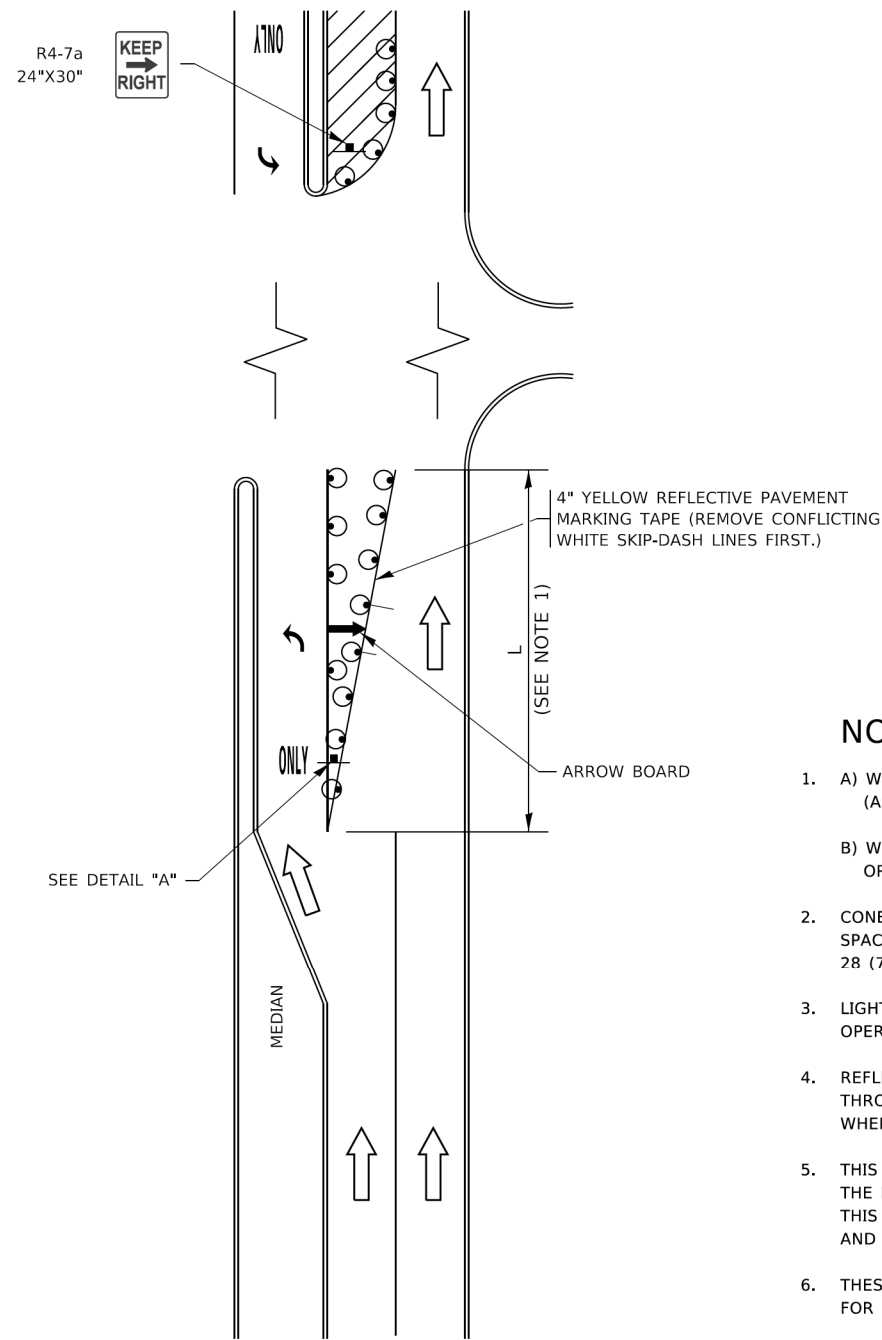
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>		CONTRACT NO. 61K70		
ILLINOIS FED. AID PROJECT				

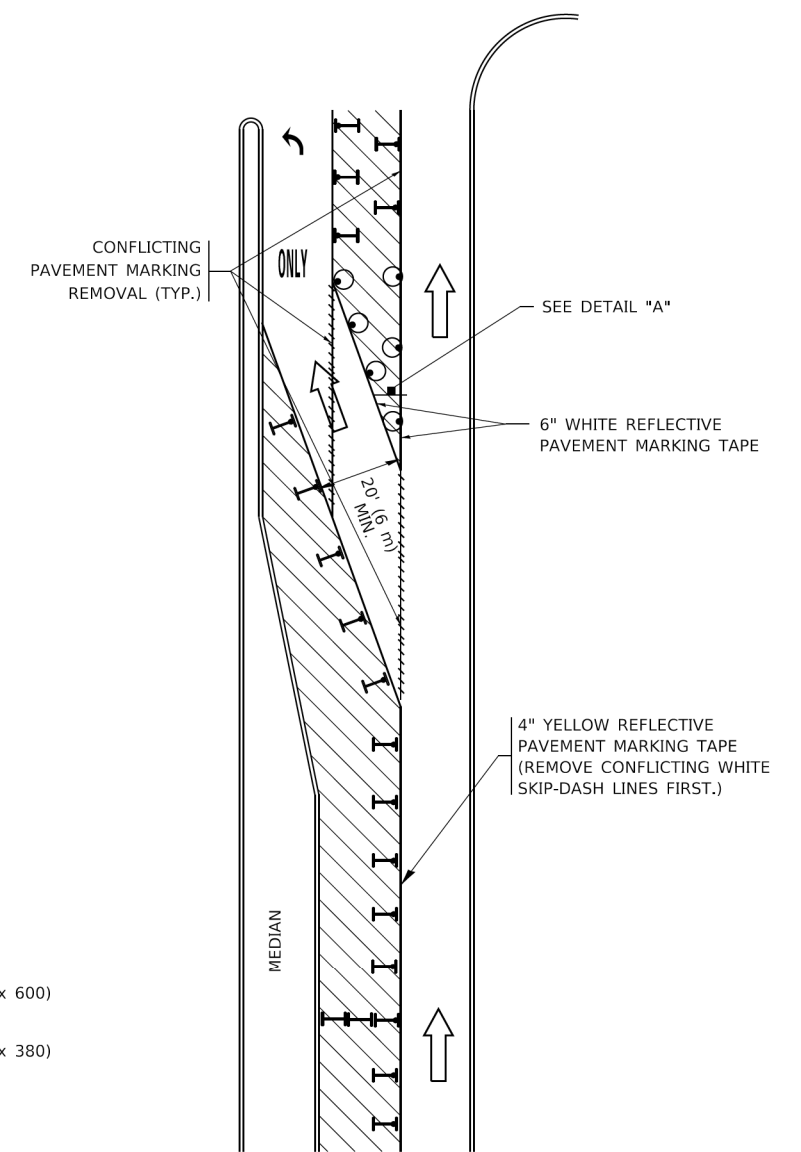


# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

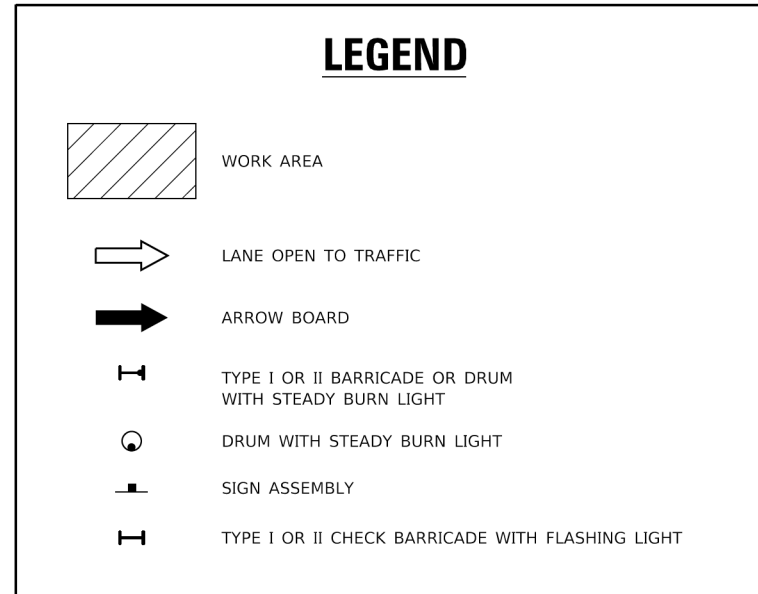


**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE

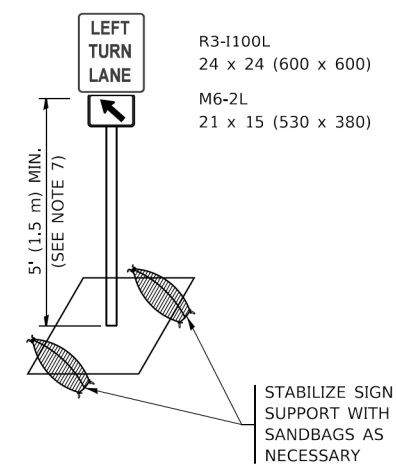


**FIGURE 2**



### NOTES:

1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

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

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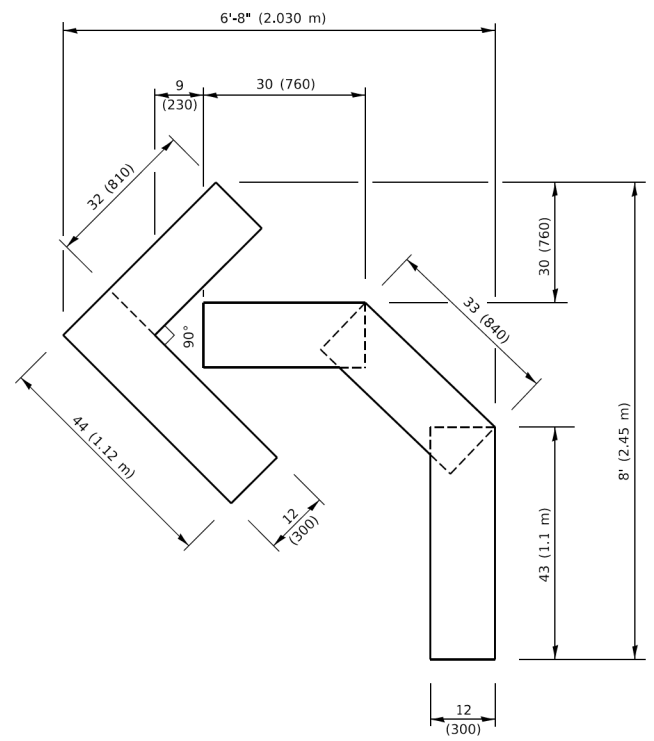
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50.0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

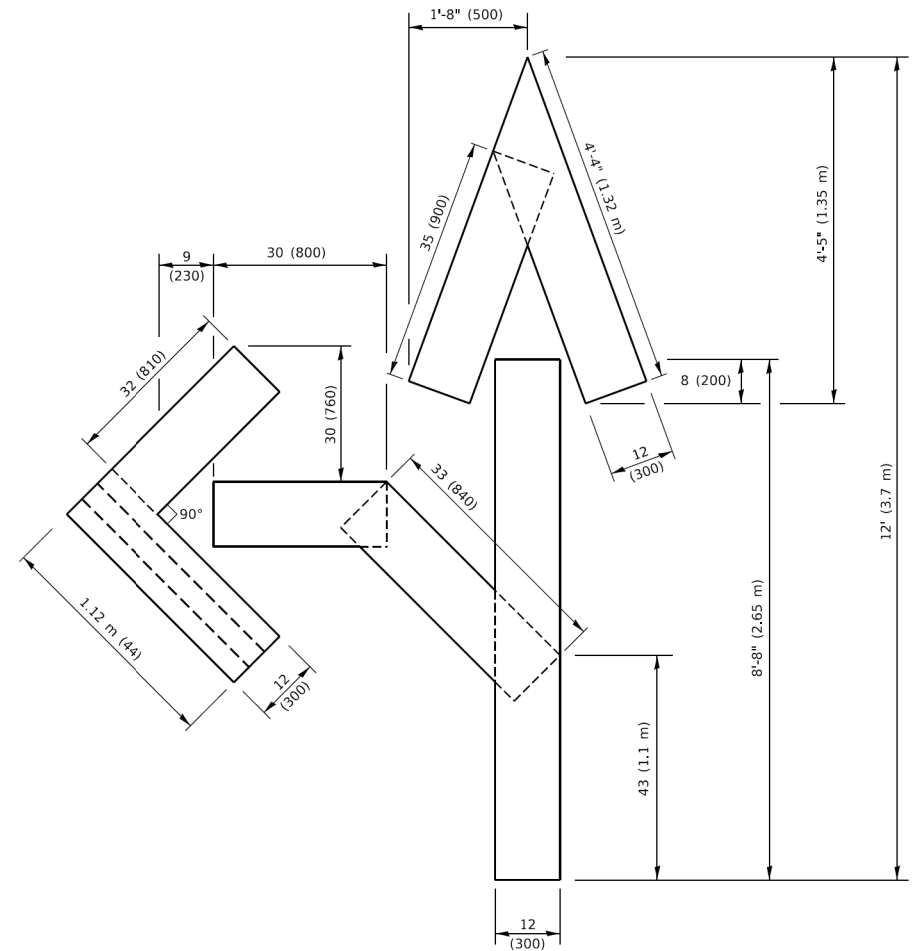
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

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

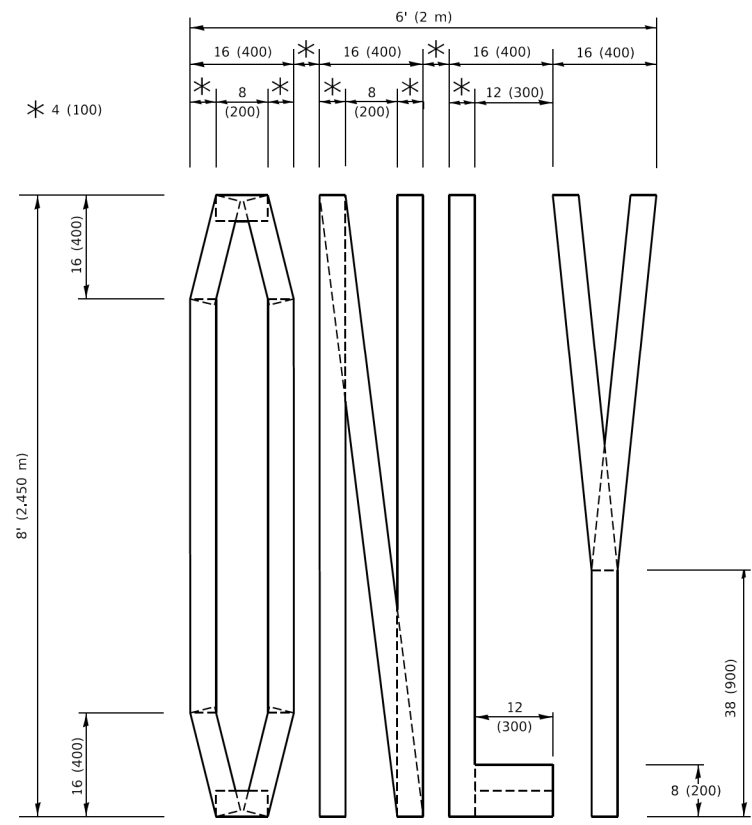
F.A.U. RTE. 2760	SECTION 22-00183-00-BT	COUNTY COOK	TOTAL SHEETS 182	SHEET NO. 147
TC-14		CONTRACT NO. 61K70		
ILLINOIS FED. AID PROJECT				



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

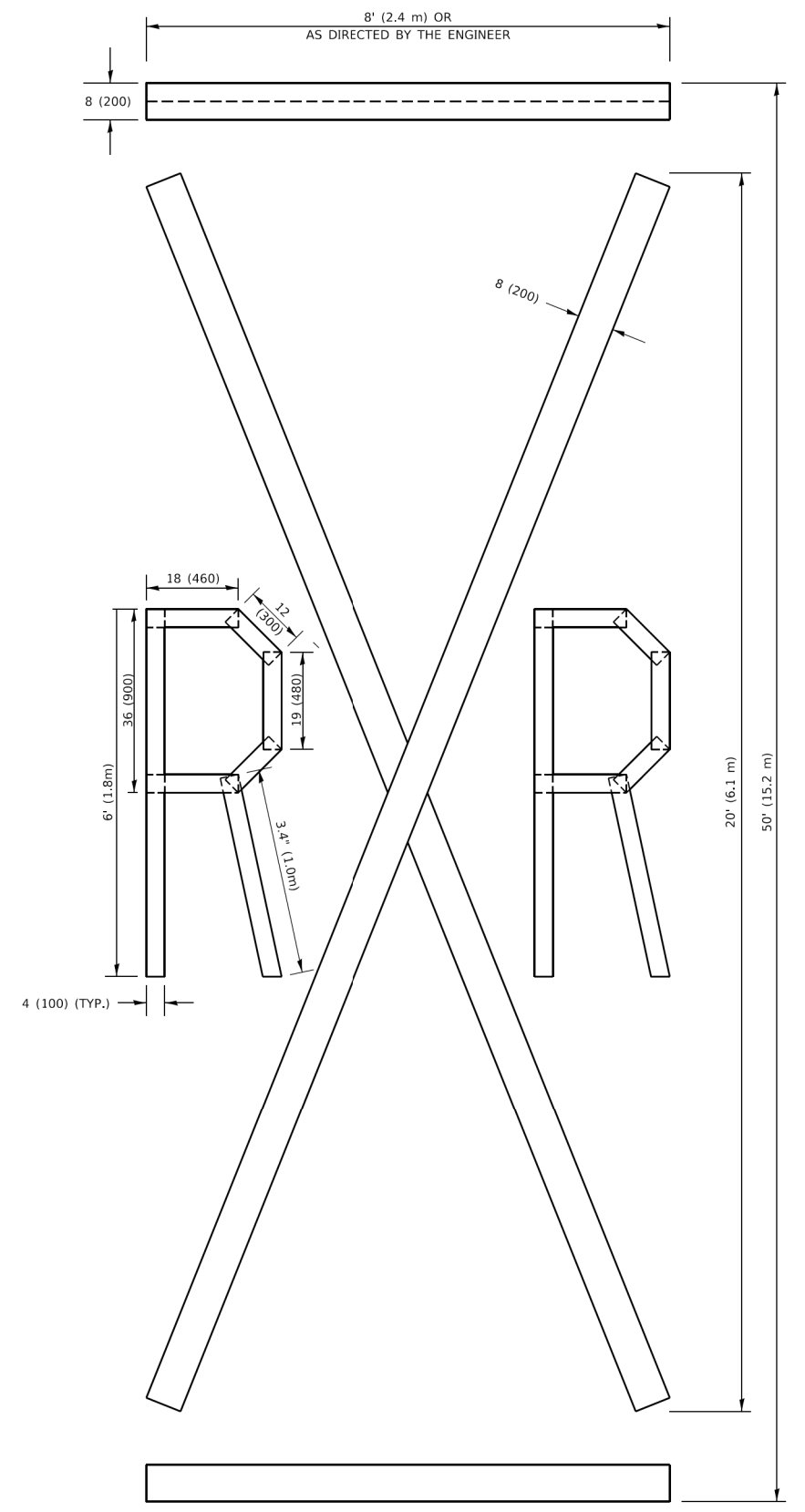


**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)



**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 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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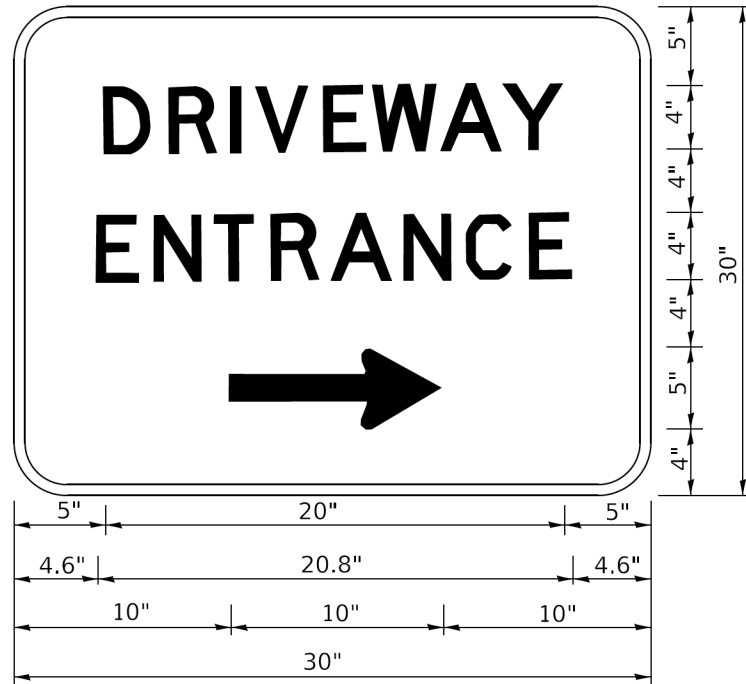
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	148
<b>TC-16</b>		CONTRACT NO. 61K70		
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.

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USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

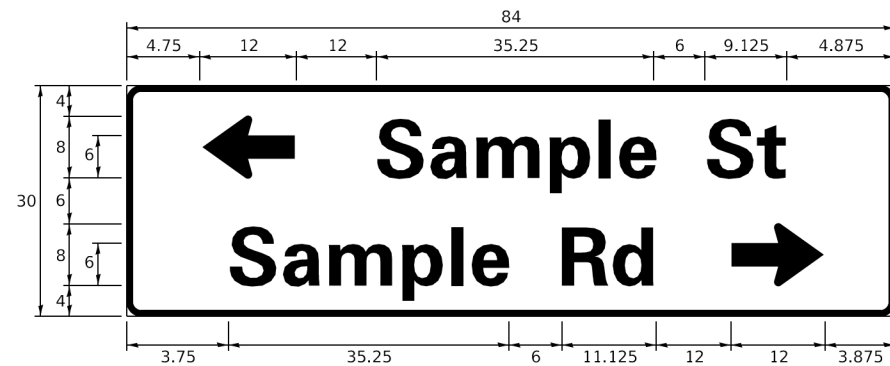
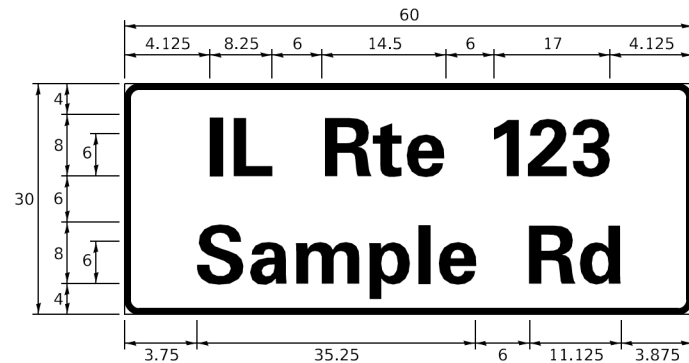
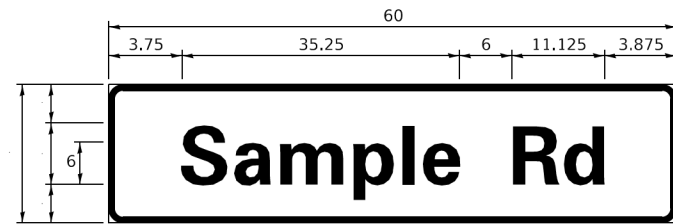
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	22-00183-00-BT	COOK	182	149
<b>TC-26</b>		CONTRACT NO. 61K70		
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	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

**GENERAL NOTES**

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

**LOCAL SUPPLIERS:**

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

**PARTS LISTING:**

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

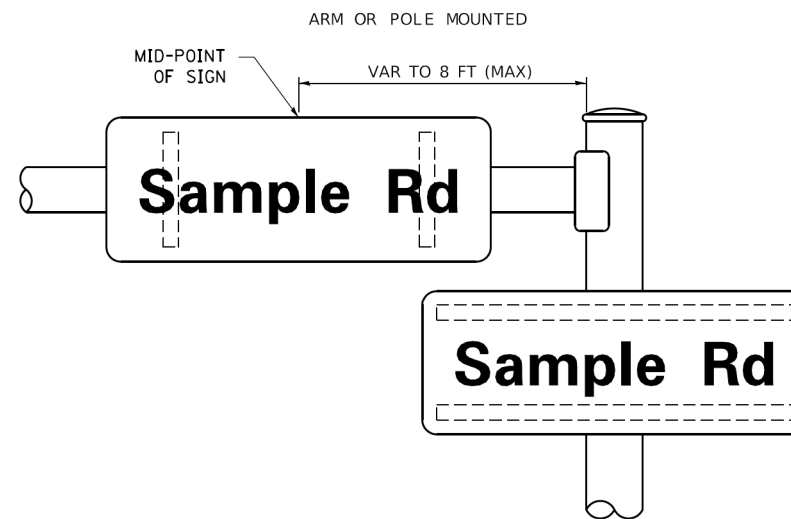
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

**STANDARD ALPHABETS SPACING CHART**

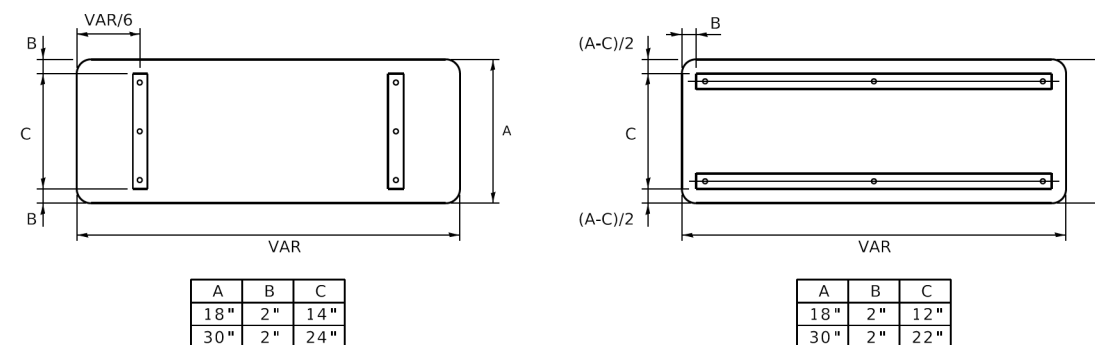
(8") UPPER CASE AND (6") LOWER CASE

CHARACTER	FHWA SERIES "C"			CHARACTER	FHWA SERIES "D"		
	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)		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	4.952	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	3.352	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	4.952	0.160	y	0.160	6.004	0.160
z	0.240	3.352	0.240	z	0.240	4.002	0.240
1	0.720	1.630	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	4.952	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

**MOUNTING LOCATION**



**SUPPORTING CHANNELS**



MODEL: Default  
FILE: \\mde\p\work\1104848\BIDD\ITC\Illinois.gov\RW\DOT\Documents\DOT\_Offices\Bldfrct\_1\Projects\Bldfrct\22-21\CADD\Bldfrct\CAD\sheetst02.dgn

USER NAME = footemj	DESIGNED - LP/IP	REVISED - LP 07/01/2015
PLOT SCALE = 50.0000' / in.	DRAWN - LP	REVISED -
PLOT DATE = 3/4/2019	CHECKED - IP	REVISED -
	DATE - 10/01/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
MAST ARM MOUNTED STREET NAME SIGNS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2760	SECTION 22-00183-00-BT	COUNTY COOK	TOTAL SHEETS 182	SHEET NO. 150
TS-02		CONTRACT NO. 61K70		
ILLINOIS FED. AID PROJECT				