

MODEL: Pre-Final Lighting Temporary Sheet Cuts - Pre-Final Plan 1
FILE NAME: c:\cadd\hwy\hntb_idaoust\greatlakes\0485890\152209-sh-4-Lighting-Bataan-PropRem-01.dgn



USER NAME	= Idaoust			
	DESIGNED	- AM	REVISED	-
	DRAWN	- AM	REVISED	-
PLOT DATE	CHECKED	- RD	REVISED	-
	DATE	- 5/22/2026	REVISED	-
			REVISED	-

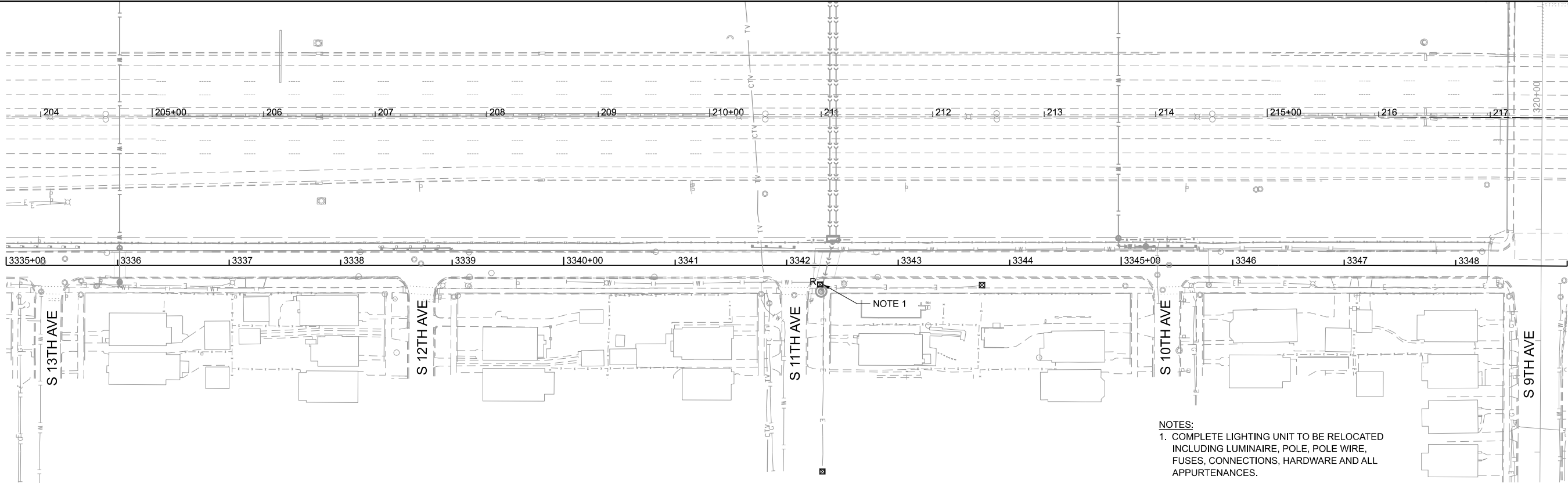
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - PROPOSED & REMOVAL PLAN - BATAAN DR
I-290 FROM 22ND AVE TO DES PLAINES RIVER

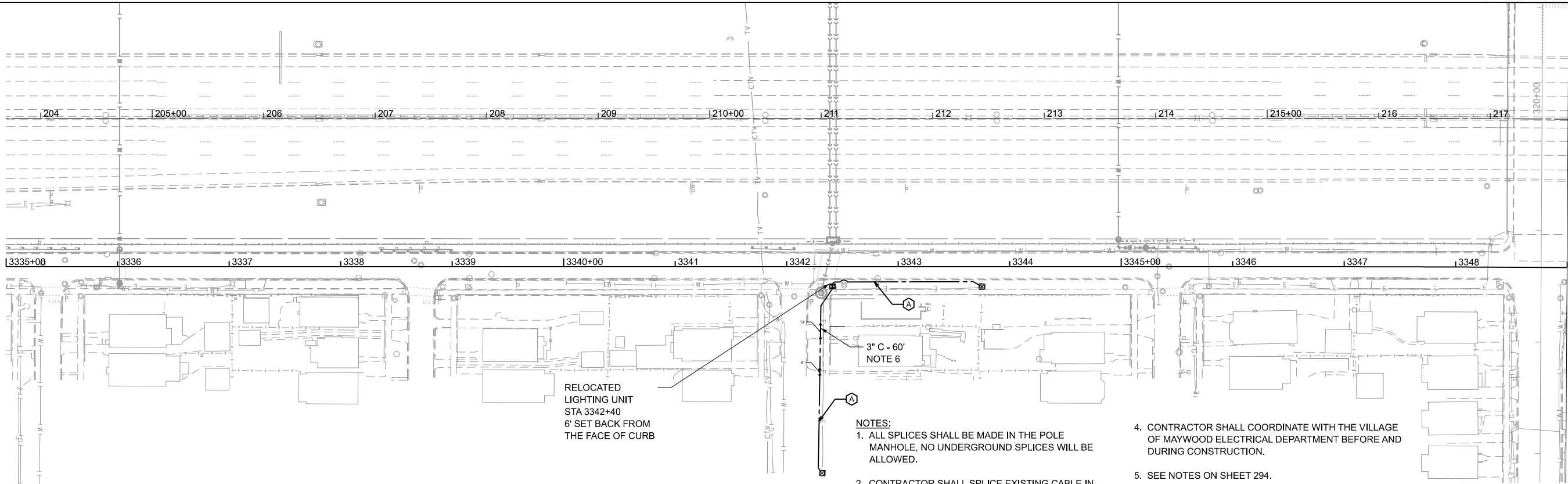
SCALE: 1"=50' SHEET 8 OF 13 SHEETS STA. 3335+00 TO STA. 3349+00

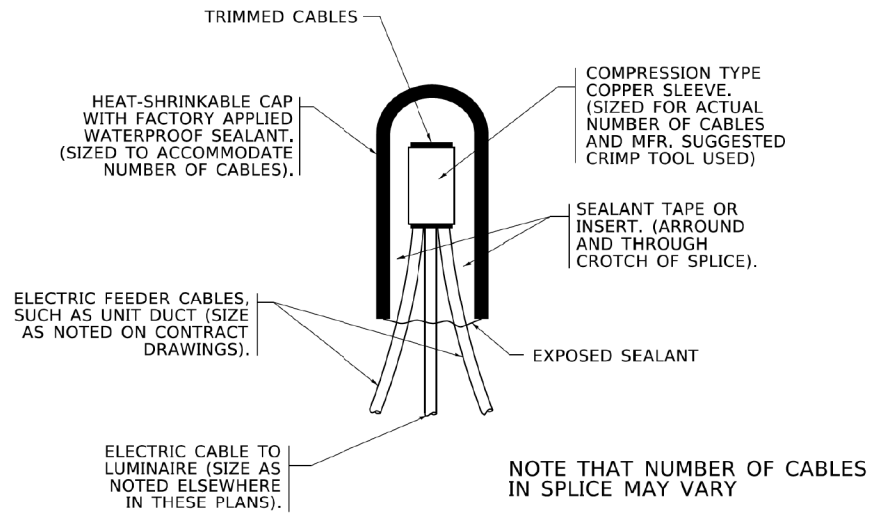
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	301
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6WLW(875)				

REMOVAL - LIGHTING

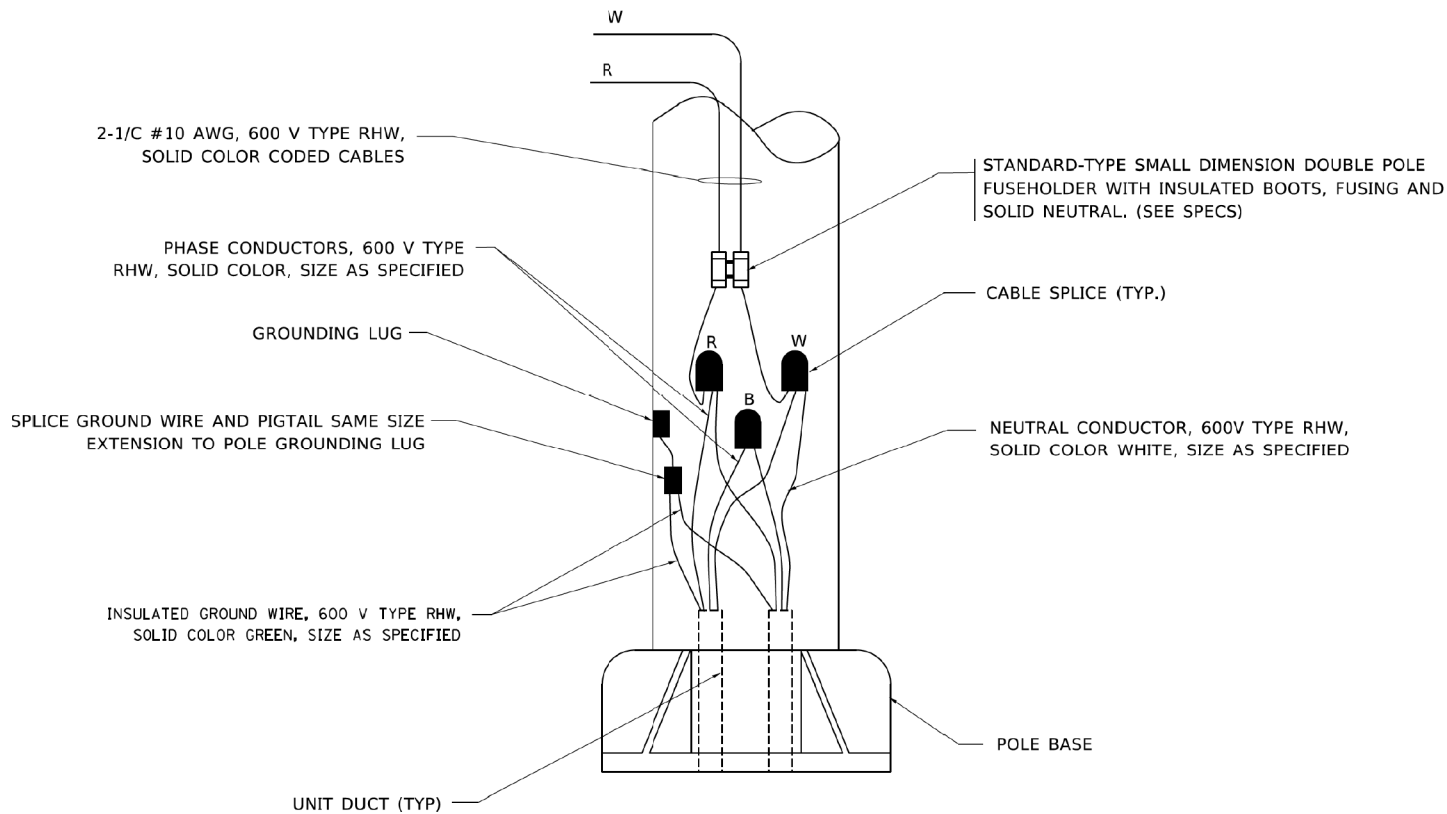


PROPOSED - LIGHTING

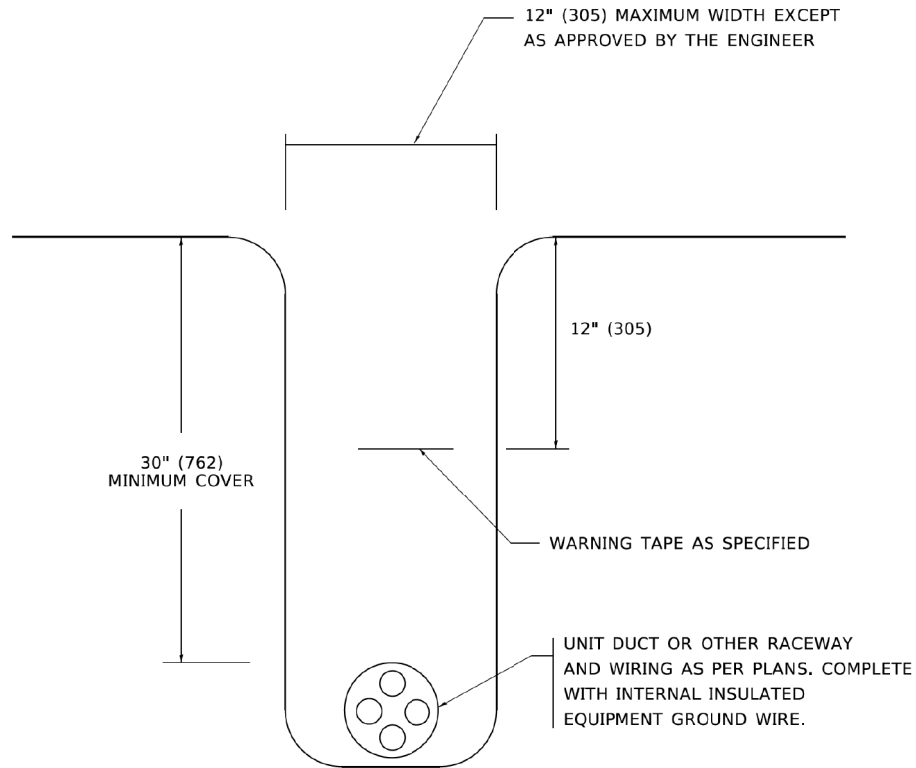




TYPICAL SPLICE DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.

	USER NAME = foelamj	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISC. ELECTRICAL DETAILS SHEET A			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -								418	256
	PLOT SCALE = 50,000' = 1 in.	CHECKED -	REVISED -					BE-702		CONTRACT NO.		
	PLOT DATE = 4/19/2019	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
	SCALE: NONE SHEET E-21 OF E-22 SHEETS STA. TO STA.											

MODEL: Detail Sheets - Detail Sheet 1
FILE NAME: c:\cad\hntb\hntb_idaoust\greatlakes\0485890\I290X09-sh-Lighting-Details-01.dgn



USER NAME = Idaoust	DESIGNED - AM	REVISED -
	DRAWN - AM	REVISED -
	CHECKED - RD	REVISED -
PLOT DATE = 5/22/2026	DATE = 5/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - DETAILS
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: NONE SHEET 9 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	302
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6WLW(875)				

Streetworks

Catalog #	LXF-E02-LED-D-U-SYM-4N7-BK	Type
Project	VILLAGE OF MAYWOOD	
Comments	2021 MAYWOOD	Date
Prepared by	ATM	9/13/21

DESCRIPTION

The Lexington LED outdoor luminaire displays the old-fashioned charm of traditional lantern-type post top lighting, enhancing any setting with distinctive styling. As a decorative luminaire, the Lexington LED tastefully complements the architectural and environmental design of parks and roadways. It's patented LightBAR™ technology delivers uniform and efficient illumination to pedestrian and roadway applications.

FOR INFORMATION ONLY

SPECIFICATION FEATURES

Construction

TOP: Hinged die-cast aluminum top with cupola cover. SCREWS: Captive retaining screw. HOUSING: Die-cast aluminum base housing. Standard color is black. Other finish colors available. Consult your Streetworks representative. 1" ANSI wattage/source label.

Optics

Choice of symmetric or asymmetric distributions with refractive lens panels. Clear lens panels also available. 4000K CCT (+/- 275K), minimum 70 CRI.

Electrical

LED drivers are potted and equipped with heat sinks for optimal performance and prolonged life. Standard drivers feature electronic universal voltage (120V-277V/50-60Hz), greater than 0.90 power factor, and operating temperature range from -30°C to +40°C. Includes surge protection for transient line surges up to 10kV. Standard three-position tunneltype terminal block. System is rated for 90% lumen maintenance at 60,000 hours (compliant with IESNA TM-21).

Mounting

Self-aligning pole-top fitter fits 2-3/8" and 3" O.D. tenons. Square headed 1-1/4" polymer coated mounting bolts.

Finish

Cast components finished in a Super durable black TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Optional colors include: bronze, grey and white. RAL and custom color matches available.

Warranty

Five-year warranty.



LXF/LXT
LEXINGTON LED

1 LightBAR=26W (Nominal)

2 LightBARS=52W (Nominal)

LED

DECORATIVE POST TOP
LUMINAIRE

CERTIFICATION DATA

UL/cUL Listed
ISO 9001
IP66 LightBARS
LM79 / LM80 Compliant

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60Hz
-30°C Minimum Temperature
40°C Ambient Temperature Rating

EPA

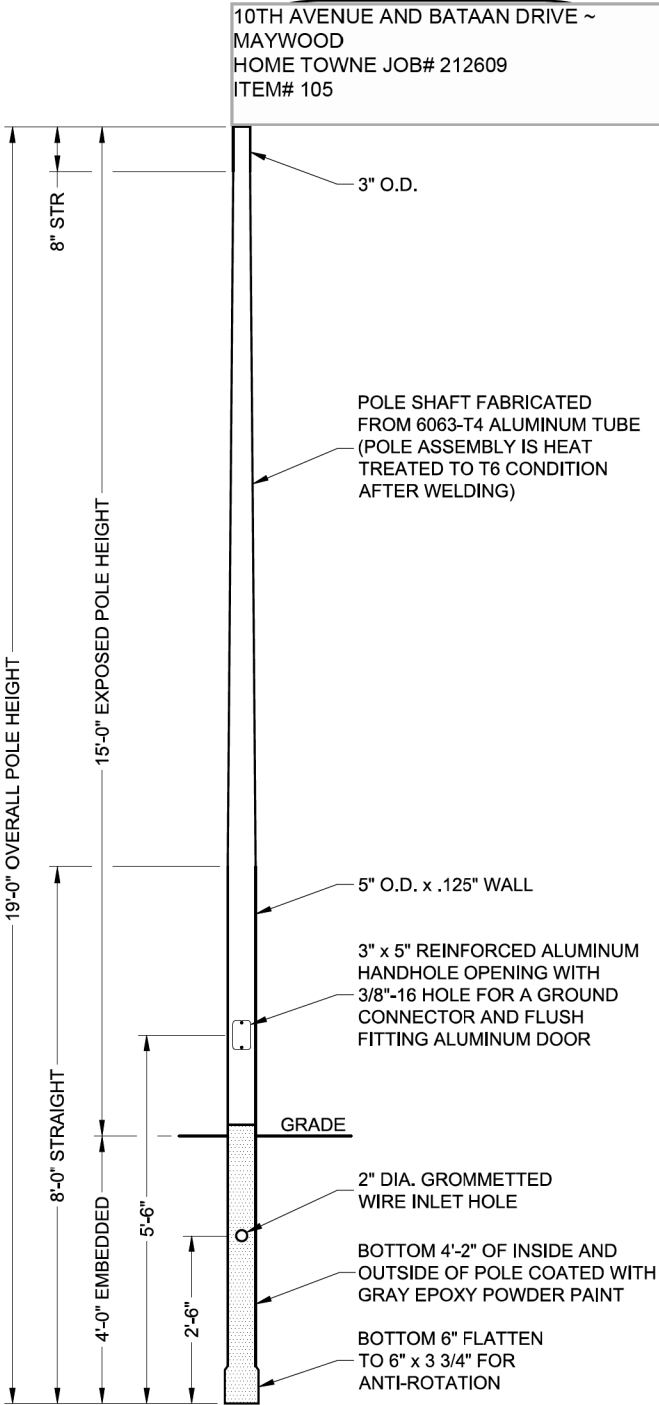
Effective Projected Area: (Sq. Ft.)
1.7

SHIPPING DATA

Approximate Net Wt:
25 lbs. (11 kgs.)



TD516007EN
July 16, 2018 9:06 AM
Page 3 of 7

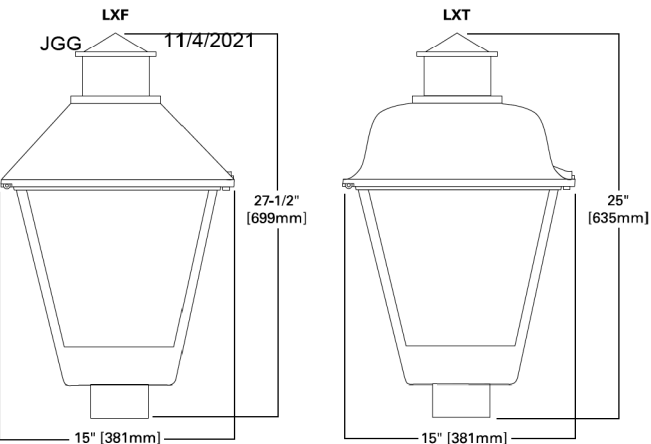


FOR INFORMATION ONLY

A	X	NO EXCEPTIONS
B		EXCEPTIONS AS NOTED
C		RESUBMIT
D		REJECTED
E		FOR INFORMATION ONLY
SUBMITTAL REVIEW		
THIS REVIEW IS FOR CONFORMANCE WITH THE INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR REMAINS RESPONSIBLE FOR:		
1. COMPLIANCE WITH THE CONTRACT DOCUMENTS		
2. CONFIRMING AND CORRELATING QUANTITIES AND DIMENSIONS		
3. SELECTING FABRICATION PROCESSES & TECHNIQUES AND DIMENSIONS		
4. COORDINATION OF THIS WORK WITH OTHER TRADES		
5. PERFORMING THIS WORK IN A SAFE AND SATISFACTORY MANNER		
6. COMPLIANCE WITH THE CONTRACTORS CONSTRUCTION SCHEDULE		
7. ALL OTHER PROVISIONS OF THE AGREEMENTS		
IT IS UNDERSTOOD THAT THE ENGINEER'S NOTATION ON THE SUBMITTAL IS NOT TO BE CONSTRUED AS AN AUTHORIZATION FOR ADDITIONAL WORK OF ADDITIONAL COST.		
BY: JGG DATE: 11/4/2021		
EDWIN HANCOCK ENGINEERING CO.		

A	X	NO EXCEPTIONS
B		EXCEPTIONS AS NOTED
C		RESUBMIT
D		REJECTED
E		FOR INFORMATION ONLY
SUBMITTAL REVIEW		
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1. COMPLIANCE WITH THE CONTRACT DOCUMENTS		
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3. SELECTING FABRICATION PROCESSES & TECHNIQUES AND DIMENSIONS		
4. COORDINATION OF THIS WORK WITH OTHER TRADES		
5. PERFORMING THIS WORK IN A SAFE AND SATISFACTORY MANNER		
6. COMPLIANCE WITH THE CONTRACTORS CONSTRUCTION SCHEDULE		
7. ALL OTHER PROVISIONS OF THE AGREEMENTS		
IT IS UNDERSTOOD THAT THE ENGINEER'S NOTATION ON THE SUBMITTAL IS NOT TO BE CONSTRUED AS AN AUTHORIZATION FOR ADDITIONAL WORK OF ADDITIONAL COST.		
BY: JGG DATE: 11/4/2021		
EDWIN HANCOCK ENGINEERING CO.		

10TH AVENUE AND BATAAN DRIVE ~
MAYWOOD
HOME TOWNE JOB# 212609
ITEM# 105, 106



LUM. TO FIT ON A 3" O.D. TENON



valmont
Valmont Industries, Inc. Structures Division
20805 Eaton Ave Farmington, Minnesota 55024-7932
Phone: (651) 463-8990 (800) 899-7577
Fax: (651) 463-3349

TITLE:	S EMBEDDED POLES	QTY:	1
MODEL NO.:		OWN BY:	PTP
MATERIAL:	ALUMINUM ALLOY	CHK'D BY:	
FINISH:	SATIN	APPR BY:	KGB
PROJECT:	MAYWOOD	DATE:	10-25-21
SOLD TO:		DWG NO:	A32534B
SHIP TO:		PAGE:	
P.O. NO:			
REP:	LIGHTING SOLUTIONS		

****CONFIDENTIAL****
The information contained in this drawing is privileged and confidential, and may be protected from disclosure. Please be aware that any use or dissemination of this drawing may be subject to legal restriction or sanction.

REV	DATE	REVISION DESCRIPTION	BY
1			1 / 1



USER NAME	= Idaoust	DESIGNED	- AM	REVISED	-
		DRAWN	- AM	REVISED	-
		CHECKED	- RD	REVISED	-
PLOT DATE	= 5/22/2026	DATE	= 5/22/2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - DETAILS
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: NONE SHEET 10 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	303
CONTRACT NO. 62X09				
ILLINOIS / FED. AID PROJECT 6WLW(875)				

MODEL: Detail Sheets - Detail Sheet 1
FILE NAME: c:\cadd\hntb\hntb_idaoust\gratallakes\0485900\182X09-sh-4-Lighting-Details-03.dgn



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		CHECKED	- RD	REVISED	-
PLOT DATE	= 5/22/2026	DATE	= 5/22/2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN - DETAILS
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: NONE SHEET 11 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	304
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6WLV(875)				

25

NO.	DATE	DESCRIPTION	APPROVED
REVISIONS			
DESIGNED	S.S.K		
DRAWN	R.A.O		
CHECKED	R.H.F		
DATE	NOV.1980		

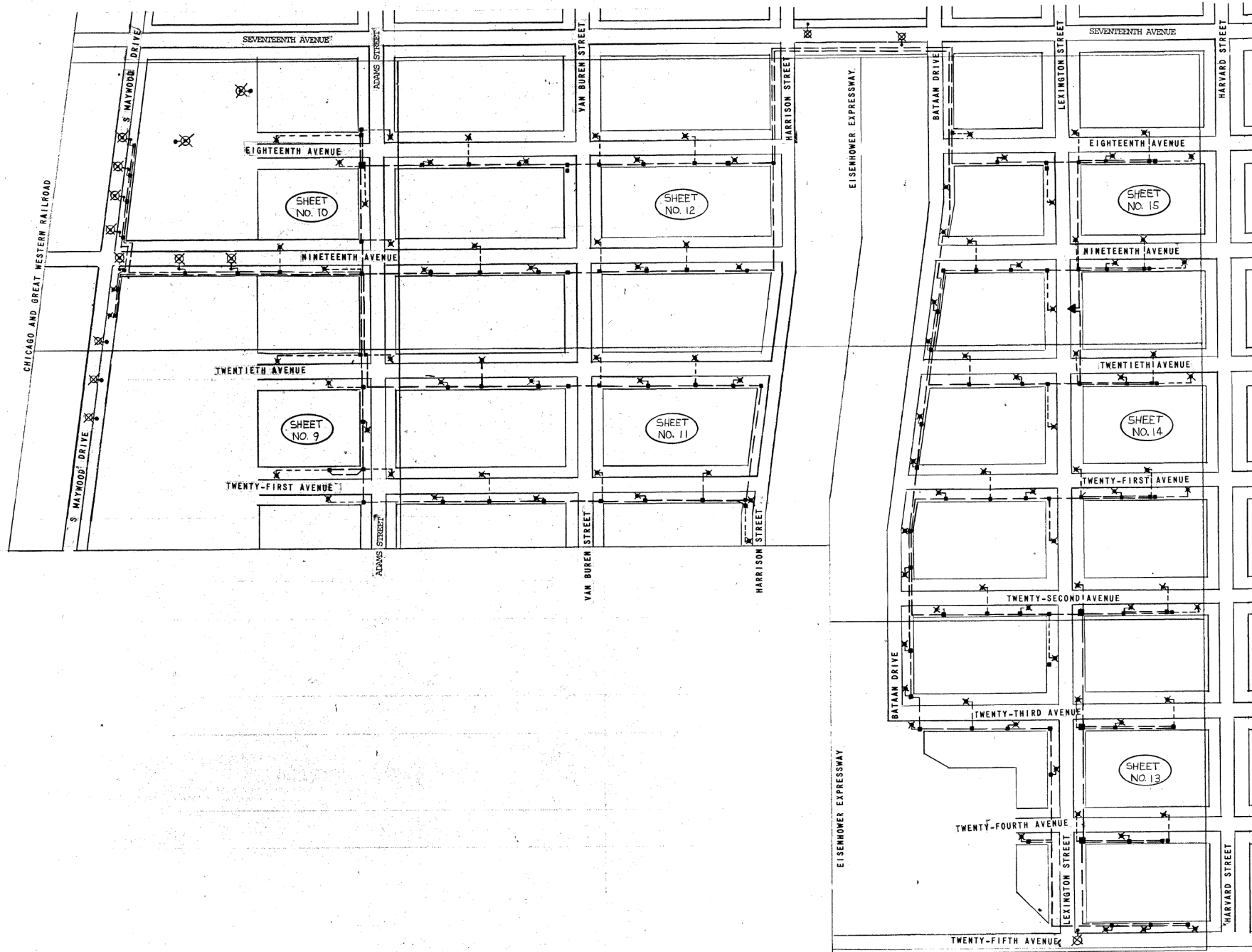
CONSOER, TOWNSEND
& ASSOCIATES LTD.
CONSULTING ENGINEERS

VILLAGE OF MAYWOOD ILLINOIS
STREET LIGHTING IMPROVEMENTS
PHASE III

SCALE
NONE

CONTRACT NO.
SERIES LIGHTING SYSTEM
MODIFICATION & REMOVAL PLAN
C & GW RR TO VILLIAGE LIMITS &
WEST OF 17TH AVE. TO VILLIAGE LIMITS

SHEET 25 OF 28 SHEETS	PROJECT NO. 80124
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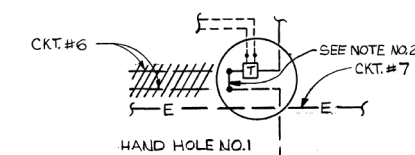
LIGHTING PLAN - DETAILS



NOTES
SEE SHEET NO. 24 FOR LEGEND



1. SEE SHEET NO. 24 FOR LEGEND
2. IN CASE OF ALTERNATE "A" ONLY
TO BE CONSTRUCTED, DISCONNECT
THE EXISTING PRIMARY SKV CABLES
AT HAND HOLE NO. 1 AS SHOWN BELOW,
CONNECT TO MAINTAIN THE CKT. ON
FOR 5TH AVE. SOUTH OF EXPRESSWAY.



3. IN CASE OF ALTERNATE "B" ONLY TO BE CONSTRUCTED LEAVE CKT. NO. 6 AS IT IS. DISCONNECT THE SECONDARY FEEDING. THE POLES MARKED LETTER B, CHANGE TO PARALLEL SYSTEM AS INDICATED ON THE PLANS.
4. REMOVE THE EXISTING CAST IRON HAND HOLE. RETURN TO THE VILLAGE OF MAYWOOD.

				DESIGNED S-S-K	CONSOER, TOWNSEND & ASSOCIATES LTD. CONSULTING ENGINEERS	VILLAGE OF MAYWOOD ILLINOIS STREET LIGHTING IMPROVEMENTS PHASE III	SCALE NONE	CONTRACT NO. SERIES LIGHTING SYSTEM MODIFICATION & REMOVAL PLAN C. & GW. RR. TO ROOSEVELT ROAD & 1ST AVE. TO 5TH AVE.	SHEET 26 OF 28 SHEETS	
				DRAWN RAO-AB						
				CHECKED R-H-F						
				DATE NOV. 1990						
NO. DATE DESCRIPTION APPROVED										
REVISIONS										

NTB	USER NAME = ldaoust		DESIGNED - AM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING PLAN - DETAILS I-290 FROM 22ND AVE TO DES PLAINES RIVER				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - AM	REVISED -		290	2024-991-DR	COOK	464	305				
			CHECKED - RD	REVISED -		CONTRACT NO. 62X09								
	PLOT DATE = 5/22/2026		DATE - 5/22/2026	REVISED -		ILLINOIS FED. AID PROJECT 6W/LW(875)								
						SCALE: NONE	SHEET 12 OF 13 SHEETS	STA.	TO STA.					

MODEL: Detail Sheets - Detail Sheet 1
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HNTB

USER NAME =	Idaoust	DESIGNED -	AM	REVISED -	
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		CHECKED -	RD	REVISED -	
PLOT DATE =	5/22/2026	DATE -	5/22/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

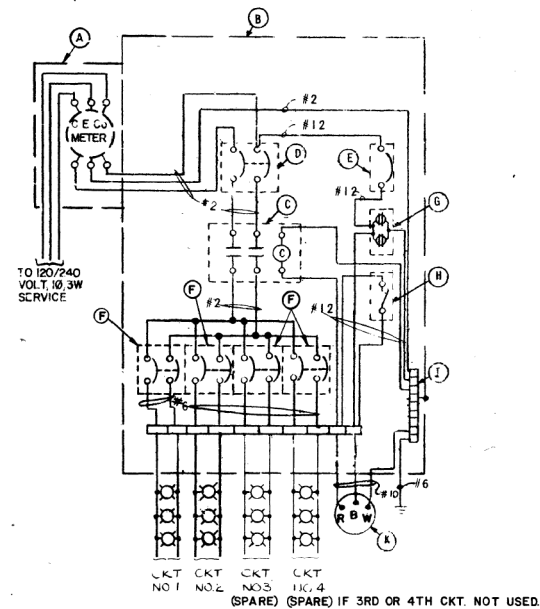
LIGHTING PLAN - DETAILS
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: NONE SHEET 13 OF 13 SHEETS STA. TO STA.

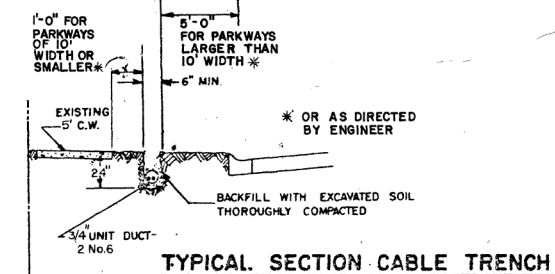
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290	2024-991-DR	COOK	464	306
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6WLV(875)				

FOR INFORMATION ONLY

CONTROL CENTER EQUIPMENT	
ITEM	DESCRIPTION
(A)	100A. 1Ø. 3W METER SOCKET 120/240V
(B)	CONTROL CENTER ENCLOSURE
(C)	100A. 2 POLE. ELECTRICALLY HELD CONTACTOR. 120V COIL
(D)	100A. 2 POLE. MAIN CIRCUIT BREAKER
(E)	15A. 1 POLE. CONTROL CIRCUIT BREAKER
(F)	50A. 2 POLE. BRANCH CIRCUIT BREAKER
(G)	15A. 120V. GROUNDED TYPE WEATHER PROOF RECEPTACLE
(H)	15A. 1 POLE MANUAL BYPASS SWITCH
(I)	NEUTRAL GROUND STRIP
(J)	LOAD TERMINAL BLOCK
(K)	PHOTO ELECTRIC CONTROL

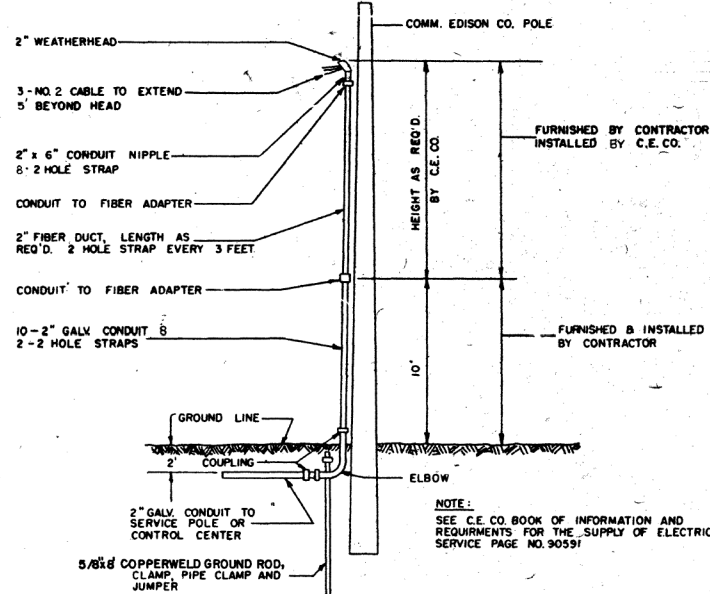


CONTROL CENTER WIRING SCHEMATIC



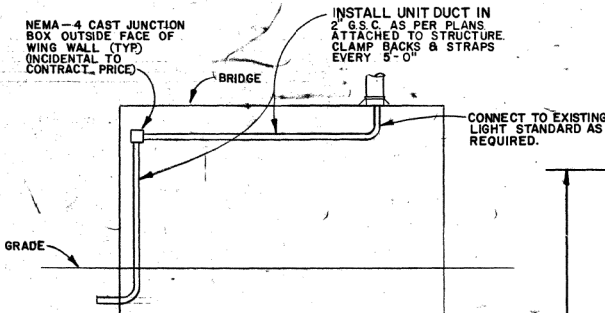
TYPICAL SECTION CABLE TRENCH

VILLAGE OF MAYWOOD MAYWOOD ILLINOIS STREET LIGHTING IMPROVEMENTS	
DETAILS	
DRAWN BY: S. K. DATE: NOV. 1980 CHECKED BY: [Signature] APPROVED BY: [Signature]	SCALE: NONE CONSORE, TOWNSEND ASSOCIATES LTD CONSULTING ENGINEERS CHICAGO, ILL. SHEET NO. 27 80124



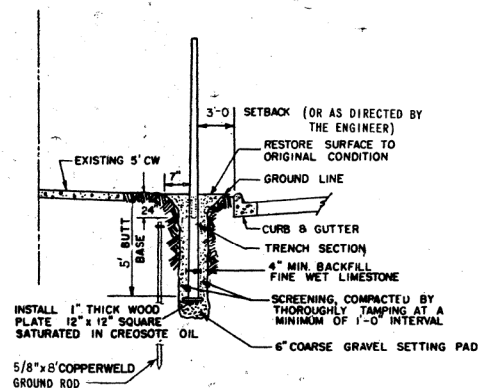
C.E. CO. OVERHEAD CONNECTION POLE

N.T.S.



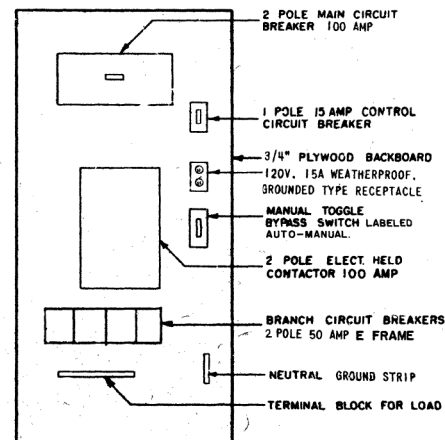
EXPOSED CONDUIT INSTALLATION DETAIL

N.T.S.



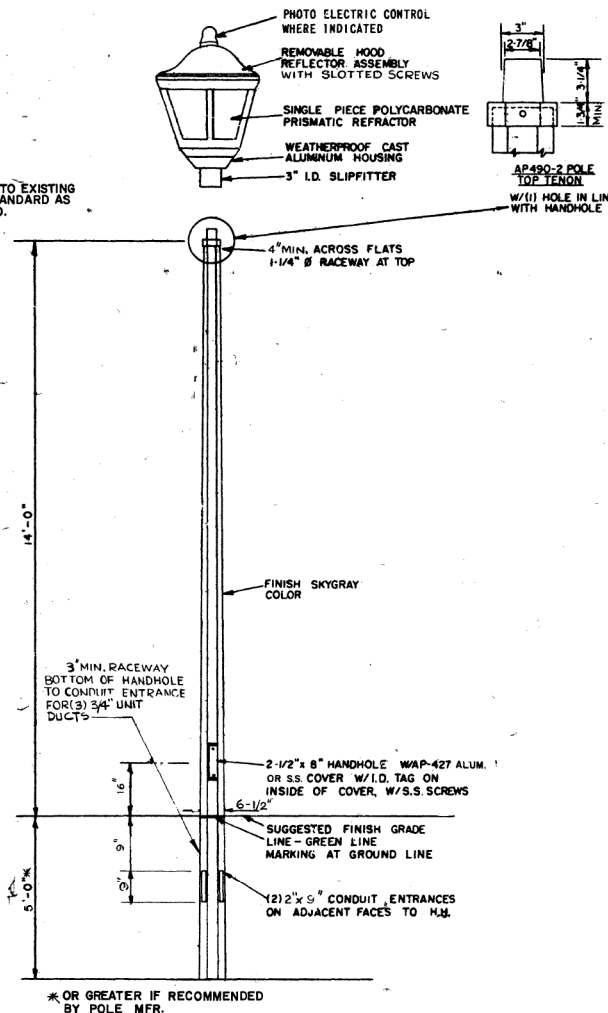
CABLE INSTALLATION DETAIL
AND POLE LOCATION

N.T.S.



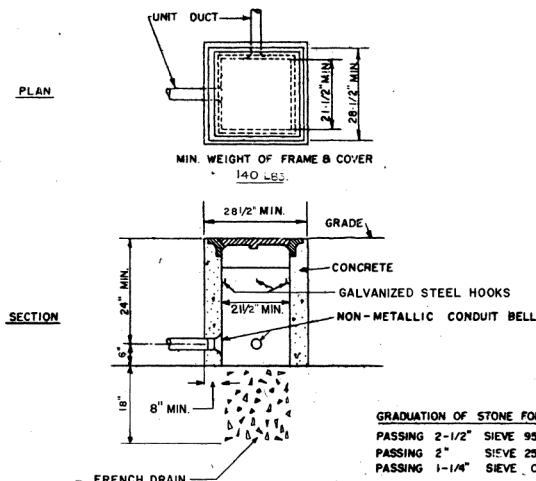
CONTROL CENTER EQUIPMENT LAYOUT

N.T.S.



STRESS SPUN CONCRETE LIGHT STANDARD
FOR TOP MOUNTED LUMINAIRES

N.T.S.



HANDHOLE DETAIL

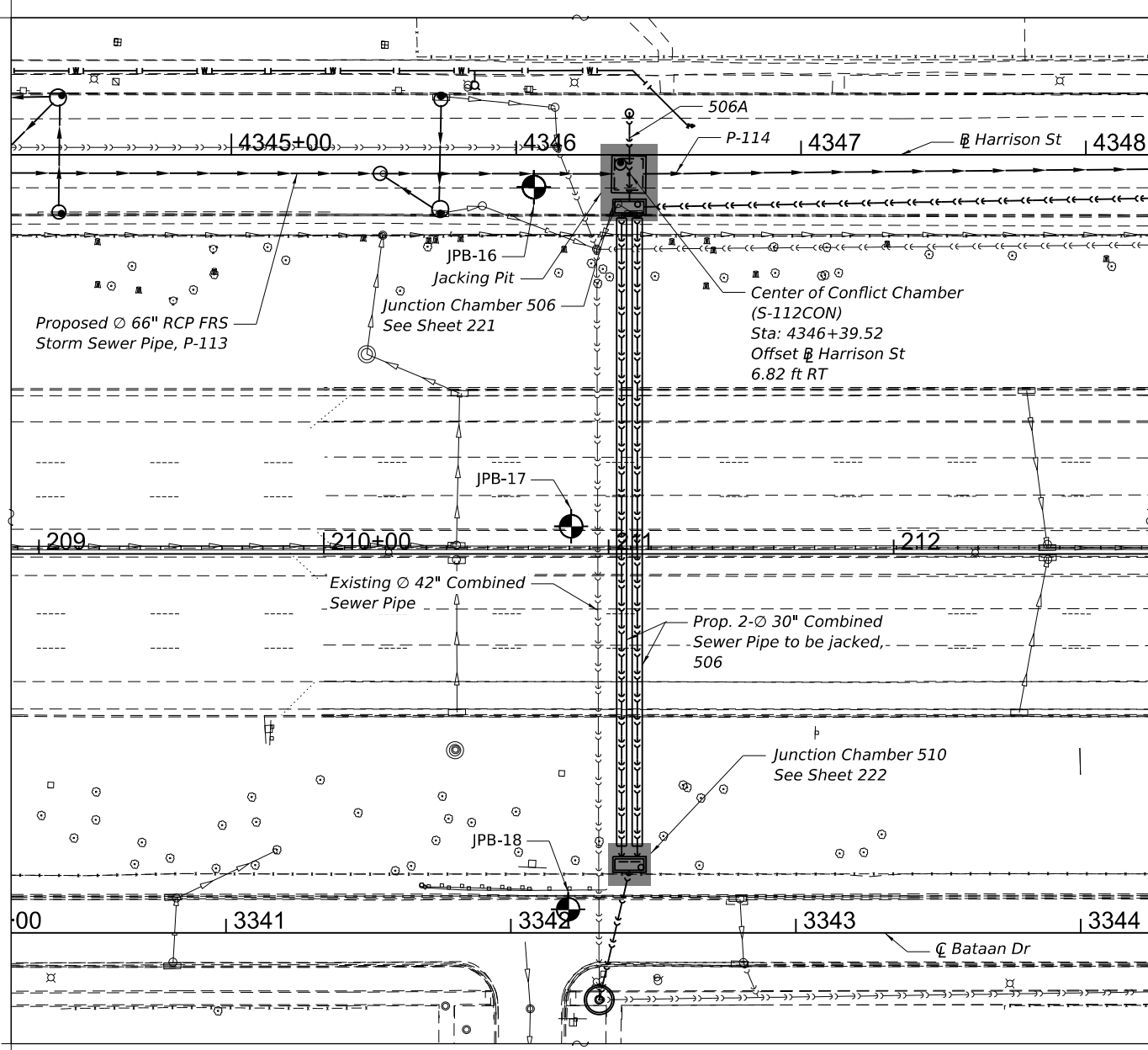
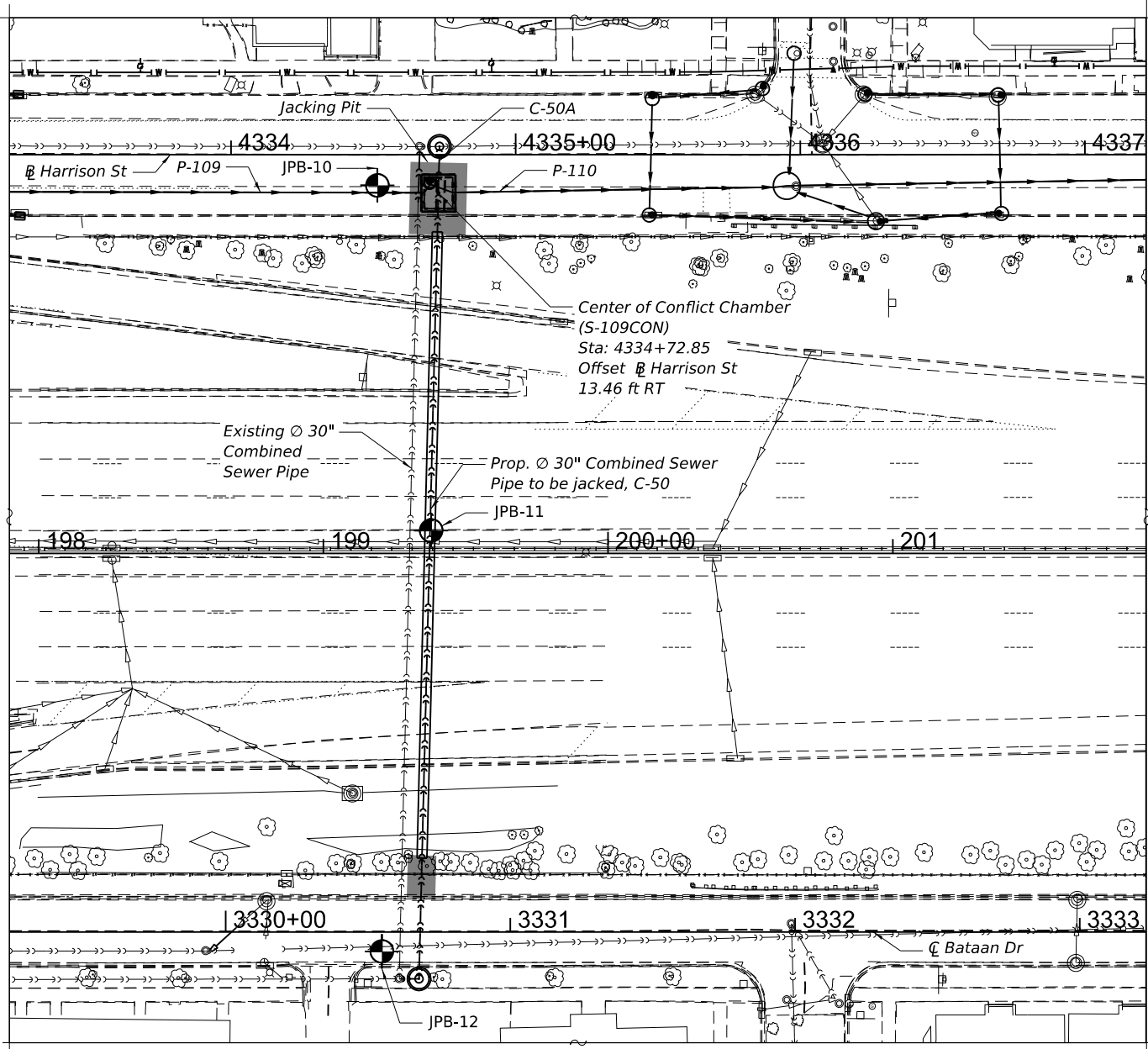
N.T.S.

CONTROL CENTER

N.T.S.

OR AS RECOMMENDED
BY THE ENGINEER

BENCHMARK: The Proposed Reinforced Conflict chamber (S-109CON) has the nearest benchmark "Magnetic Nail" with Northing 1896084.336 and Easting 1115979.065, Elev. = 627.067.
The Proposed Reinforced Conflict chamber (S-112CON) has the nearest benchmark "Magnetic Nail" with Northing 1896140.389 and Easting 1117321.071, Elev. = 628.297.



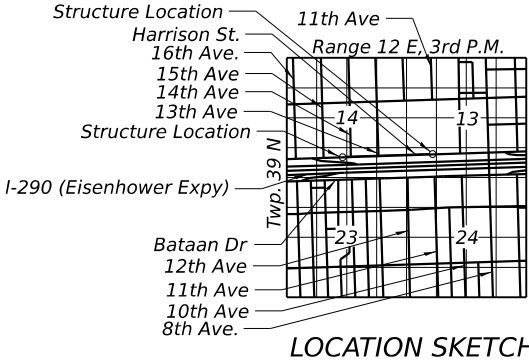
CONFLICT CHAMBERS PLAN VIEW

CONSTRUCTION

- Contractor shall not scale dimensions from the contract plans for construction purposes. Scales shown are information only.
- No concrete cutting shall be permitted until the cutting limits have been outlined by the Contractor and approved by the Engineer.
- It shall be the Contractor's responsibility to verify the location of all utilities prior to starting construction.
Contact J.U.L.I.E 800-892-0123

INDEX OF SHEETS

S-01	Conflict Chamber - Location Plan
S-02	Conflict Chamber - General Plan and Elevation
S-03	Conflict Chamber - Reinforcement Details I
S-04	Conflict Chamber - Reinforcement Details II



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION PLAN
I-290 FROM 22ND AVE TO DES PLAINES RIVER

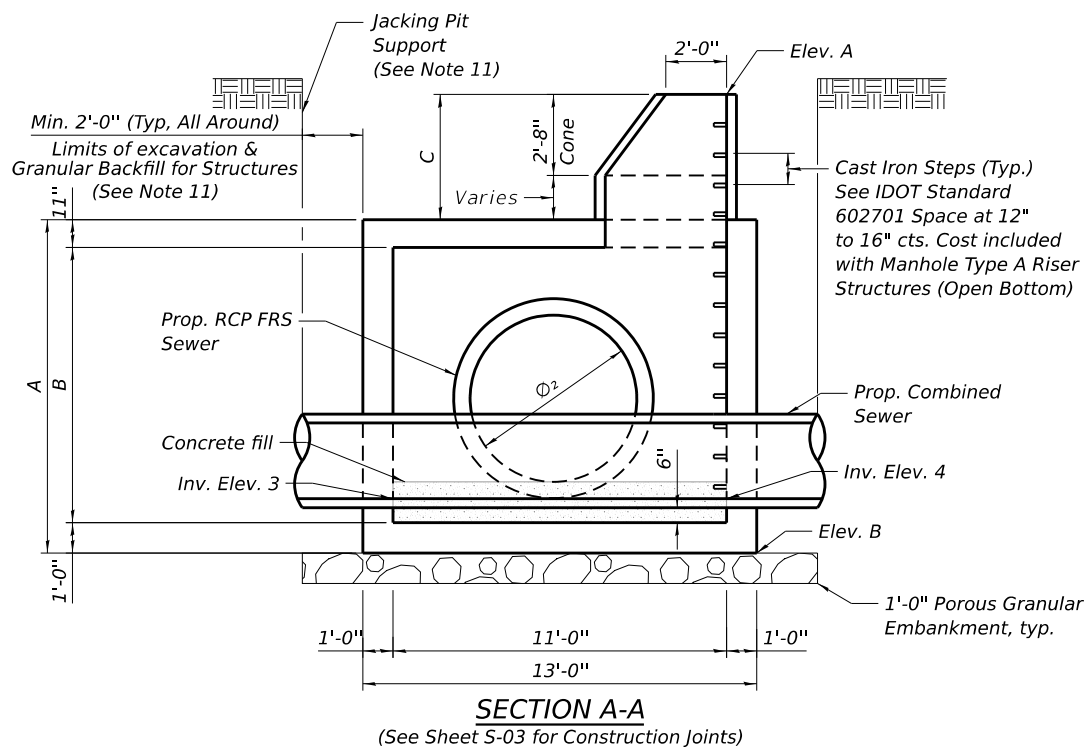
SHEET S-01 OF S-04 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	307
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6W/LW (875)				

MODEL: Default
FILE NAME: Q:\Engineering\Live\Projects\2500_1_290 FRS Ph II\03_CADD\01_Sheets\1a-Structural\Conflict Chambers\1a-Structural\Conflict Chambers-Location Plan.dgn



6/24/2026 9:48:19 AM



RCP FRS SIZES

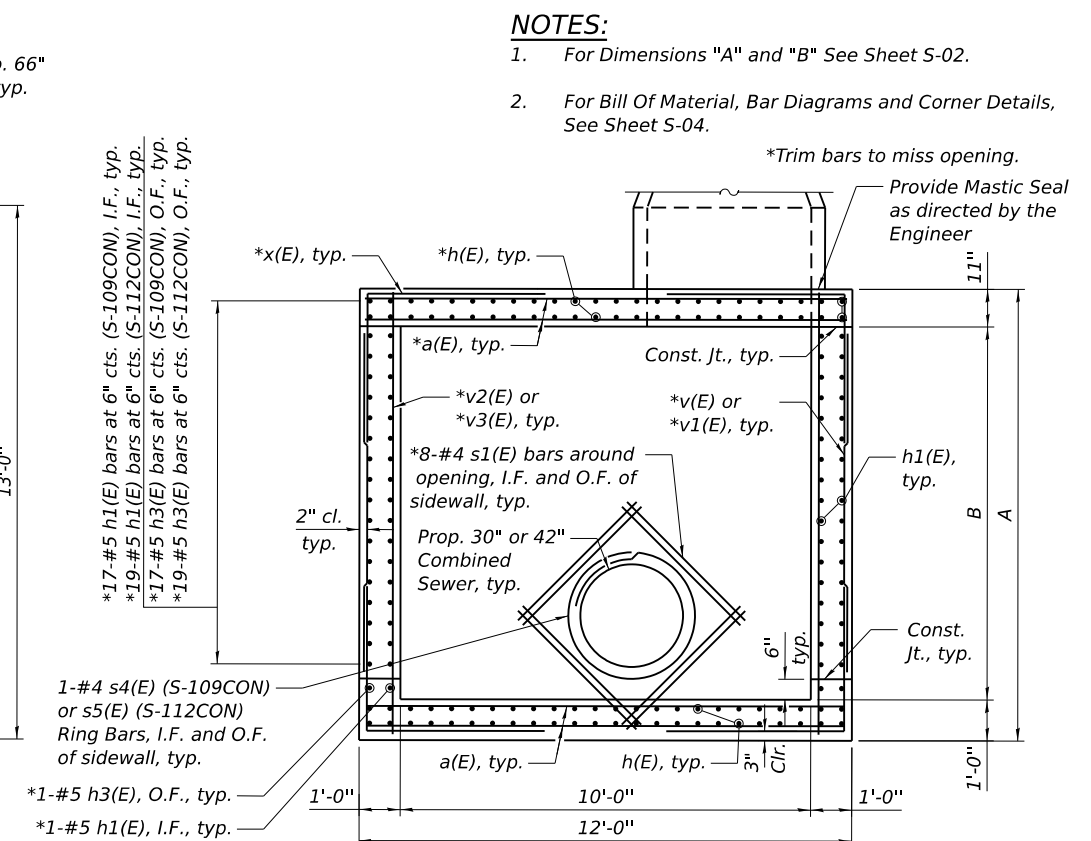
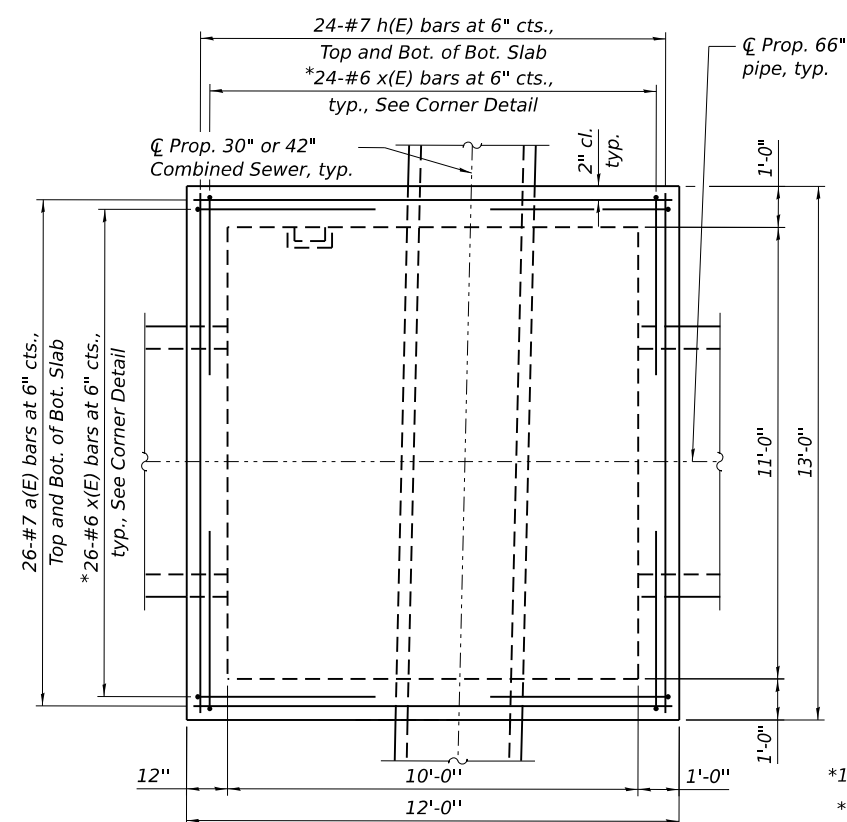
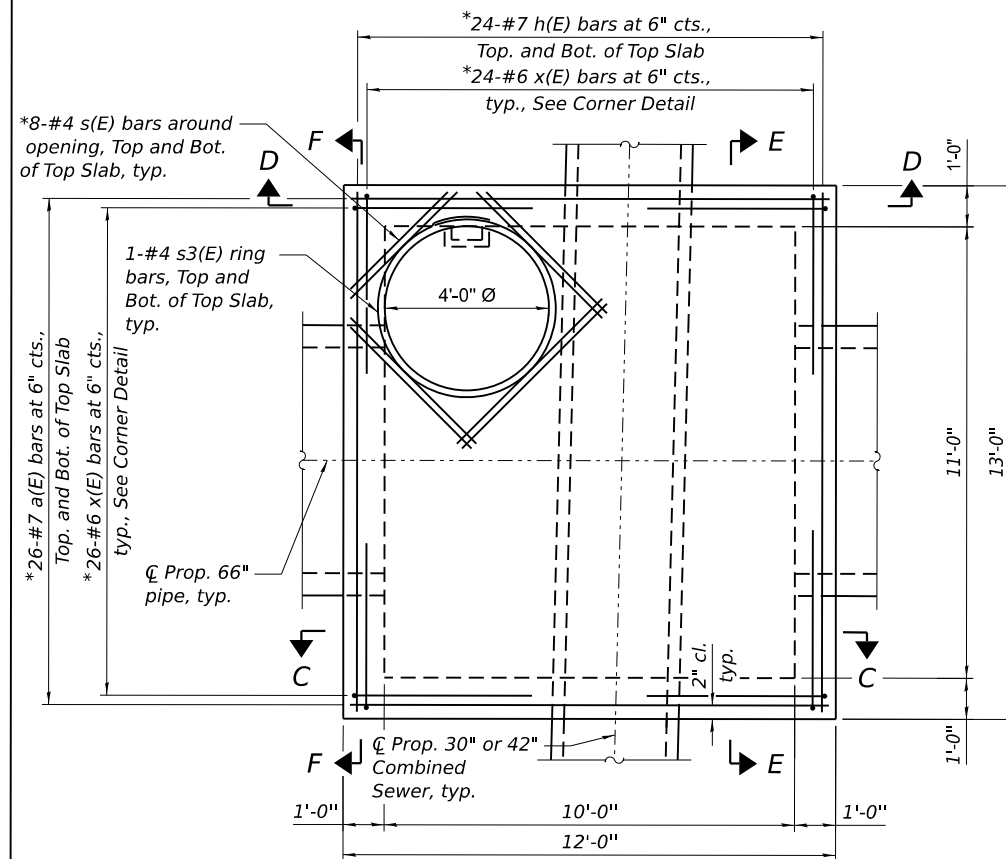
ELEVATION TABLE

CONFLICT CHAMBER DIMENSION

<i>Conflict Chamber</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>WP 1</i>	<i>WP 2</i>
<i>S-109CON</i>	11'-0"	9'-1"	4'-1"	6'-7 ⁵ / ₁₆ "	4334+66.85, RT 13.36'	4334+78.85, RT 13.24'
<i>S-112CON</i>	12'-2"	10'-3"	5'-3 ⁹ / ₁₆ "	6'-9 ¹¹ / ₁₆ "	4346+33.52, RT 6.66'	4346+45.52, RT 6.66'

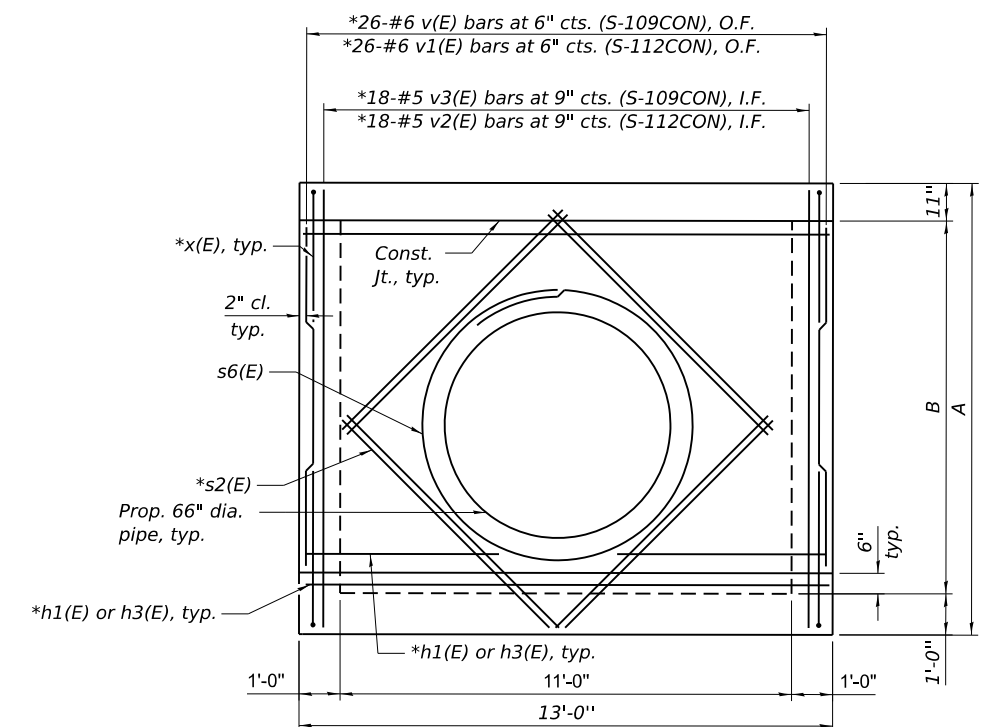
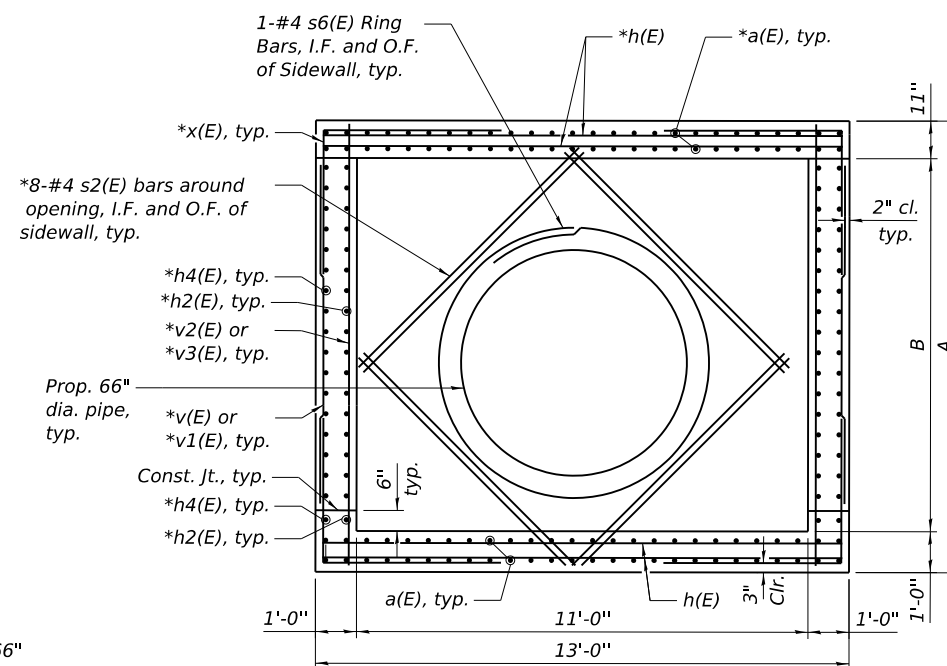
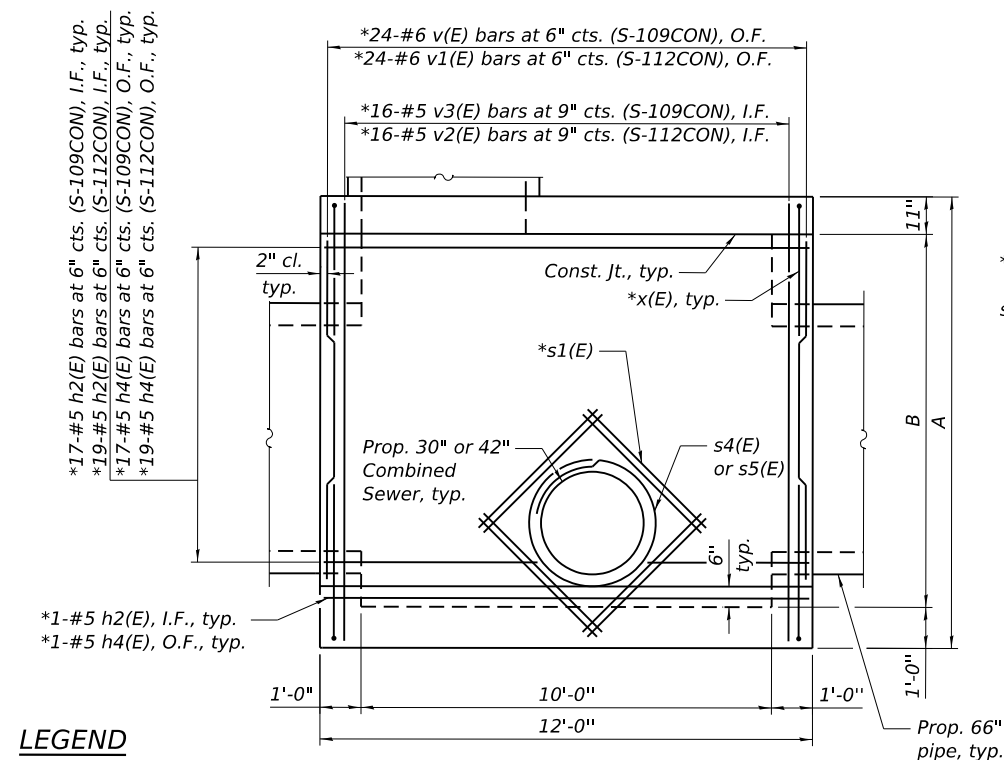
11. *All Conflict Chambers will be constructed in the Jacking pits. The cost of soil excavation and jacking pit support for the Jacking pits will be covered by Combined Sewers Jacked in Place, 30" (Special). Soft or loose areas, as well as unacceptable materials encountered during construction, should be removed and replaced with structural fill or stabilized before adding additional fill. The area should be compacted to at least 95 percent of its maximum dry density (ASTM D 698) for cohesive soils or minus-gradation crushed stone. A minimum net allowable bearing capacity of 1.0 tsf is required for the installation of the structure's foundation.*

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu Yd	30
Concrete Structures	Cu Yd	68.2
Reinforcement Bars, Epoxy Coated	Pound	24,320
Granular Backfill for Structures	Cu Yd	667
Frames and Lids, Type 5, Closed Lid	Each	2
Membrane Waterproofing System for Buried Structures	Sq Yd	60
Manhole Type A Riser Structures (Open Bottom)	Each	2



NOTES:

1. *For Dimensions "A" and "B" See Sheet S-02.*
2. *For Bill Of Material, Bar Diagrams and Corner Details, See Sheet S-04.*



LEGEND

I.F. *Inside Face*

O.F. Outside Face

C.C. *Conflict Chamber*

SECTION D-D

(Top and Bottom Slab reinforcement not shown for clarity)

SECTION E-E

SECTION F-F

(Top and Bottom Slab reinforcement not shown for clarity)

MODEL: Default
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6/24/2026 9:48:32 AM



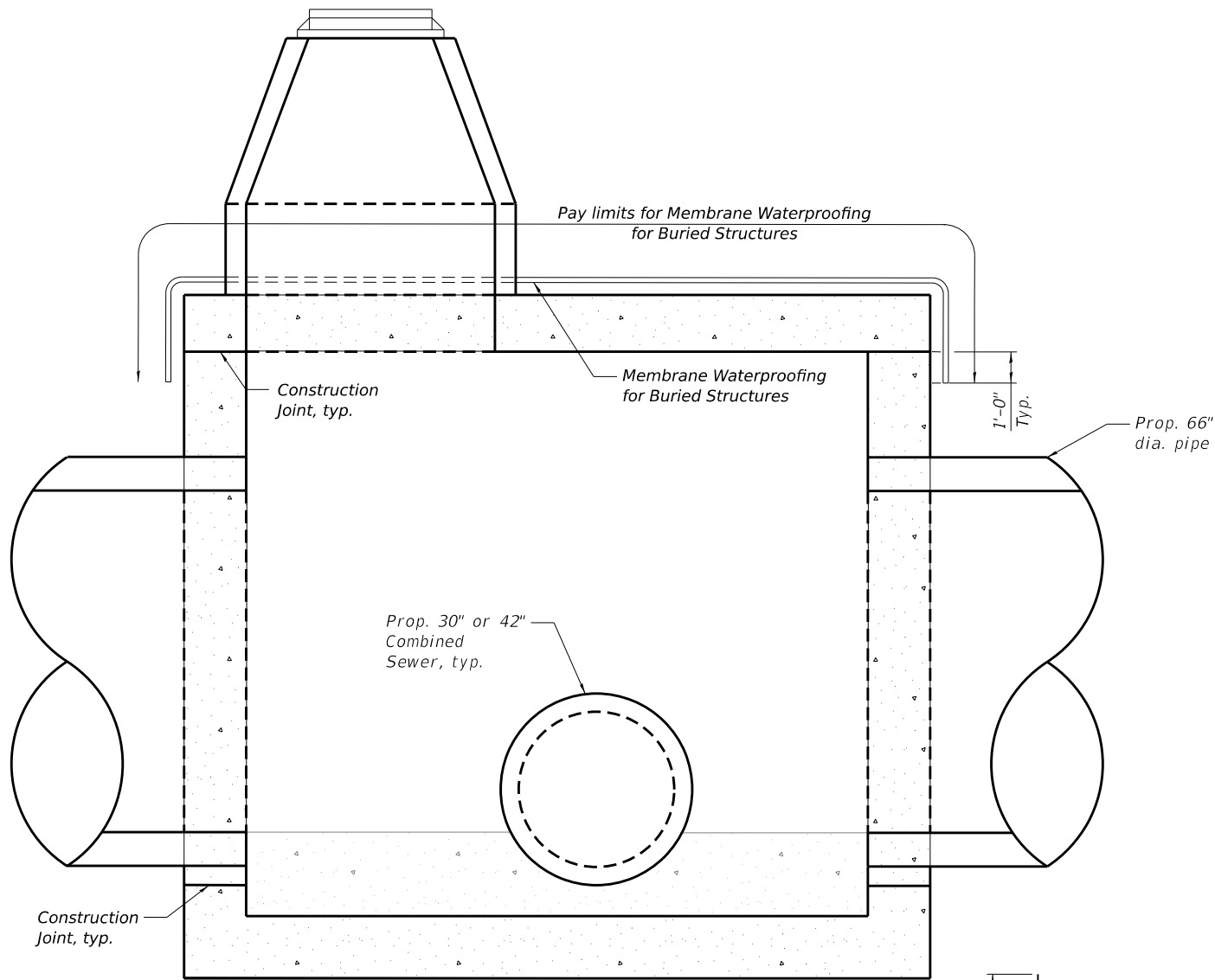
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CHECKED - JL	REVIS	REVIS
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PLOT DATE = 6/24/2026	CHECKED - JL	REVIS

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CHECKED - JL	REVIS
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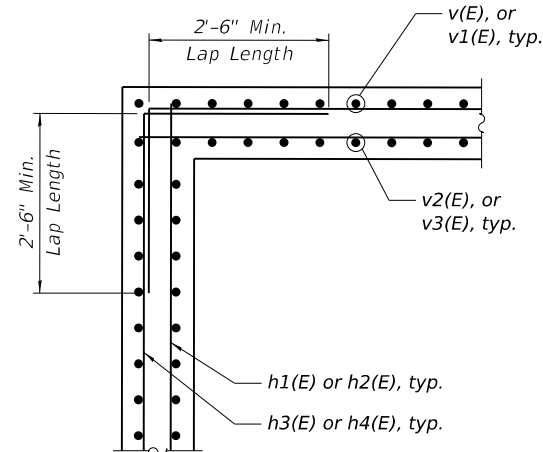
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

REINFORCEMENT DETAILS II I-290 FROM 22ND AVE TO DES PLAINES RIVER
SHEET S-04 OF S-04 SHEETS

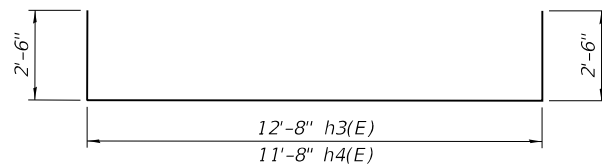
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CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6WLW (875)				



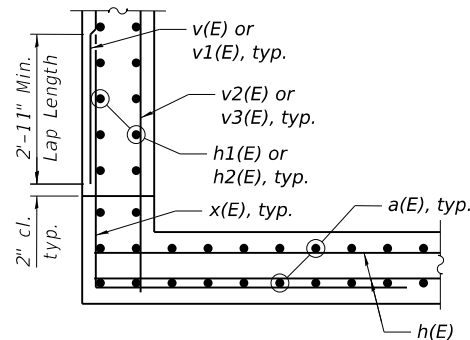
**MEMBRANE WATERPROOFING
FOR BURIED STRUCTURES**
(Looking at Box Section)



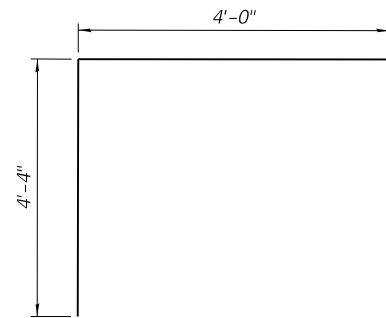
**PLAN VIEW
CORNER DETAIL**



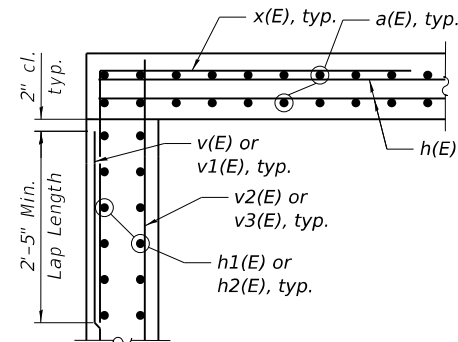
BARS h3(E) and h4(E)



**CORNER DETAIL FOR
BOTTOM SLAB AND SIDEWALLS**



BAR x(E)

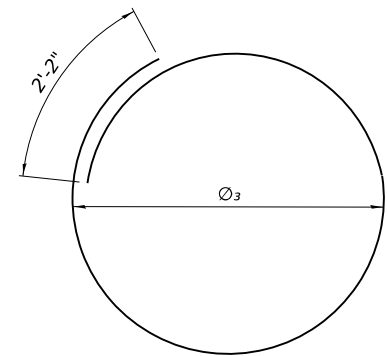


**CORNER DETAIL FOR
TOP SLAB AND SIDEWALLS**

**CONFLICT CHAMBER (S-109CON)
BILL OF MATERIAL**

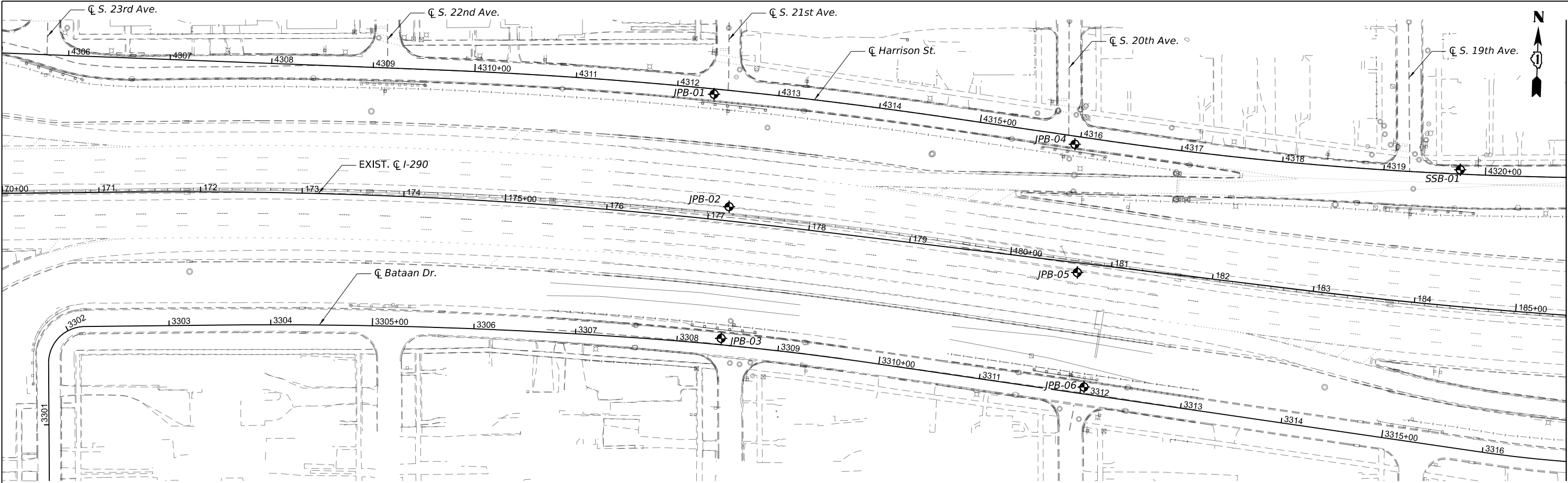
Bar	No.	Size	Length	Shape
a(E)	104	#7	11'-8"	—
h(E)	96	#7	12'-8"	—
h1(E)	36	#5	12'-8"	—
h2(E)	36	#5	11'-8"	—
h3(E)	36	#5	15'-8"	└─┘
h4(E)	36	#5	14'-8"	└─┘
s(E)	16	#4	5'-0"	—
s1(E)	32	#4	4'-1"	—
s2(E)	32	#4	7'-7"	—
s3(E)	2	#4	15'-9"	○
s4(E)	4	#4	8'-8"	○
s6(E)	4	#4	18'-1"	○
v(E)	100	#6	8'-3"	—
v3(E)	68	#5	10'-8"	—
x(E)	200	#6	8'-4"	L
Porous Granular Embankment			Cu Yd	15
Concrete Structures			Cu Yd	31.9
Reinforcement Bars, Epoxy Coated			Pound	11,920
Granular Backfill for Structures			Cu Yd	237
Frames And Lids, Type 5, Closed Lid			Each	1
Membrane Waterproofing System For Buried Structures			Sq Yd	30
Manhole Type A Riser Structures (Open Bottom)			Each	1

Bar	No.	Size	Length	Shape
a(E)	104	#7	11'-8"	—
h(E)	96	#7	12'-8"	—
h1(E)	40	#5	12'-8"	—
h2(E)	40	#5	11'-8"	—
h3(E)	40	#5	15'-8"	└─┘
h4(E)	40	#5	14'-8"	└─┘
s(E)	16	#4	5'-0"	—
s1(E)	32	#4	4'-1"	—
s2(E)	32	#4	7'-7"	—
s3(E)	2	#4	15'-9"	○
s5(E)	4	#4	11'-10"	○
s6(E)	4	#4	18'-1"	○
v1(E)	100	#6	9'-5"	—
v2(E)	68	#5	11'-8"	—
x(E)	200	#6	8'-4"	L
Porous Granular Embankment			Cu Yd	15
Concrete Structures			Cu Yd	36.3
Reinforcement Bars, Epoxy Coated			Pound	12,400
Granular Backfill for Structures			Cu Yd	430
Frames And Lids, Type 5, Closed Lid			Each	1
Membrane Waterproofing System For Buried Structures			Sq Yd	30
Manhole Type A Riser Structures (Open Bottom)			Each	1

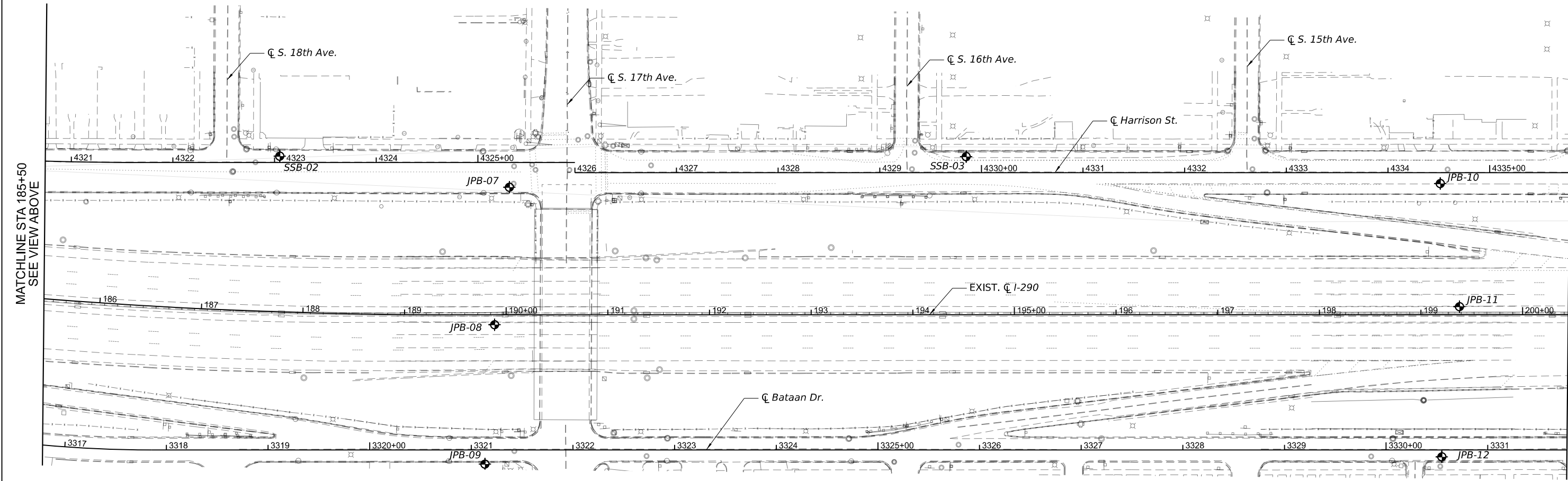


**BARS s3(E), s4(E),
s5(E) & s6(E)**

Bar	DIA Ø3
s3(E)	4'-4"
s4(E)	2'-10"
s5(E)	3'-10"
s6(E)	5'-10"



MATCHLINE STA 185+50
SEE VIEW BELOW



MATCHLINE STA 200+50
SEE SHEET 312

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PLOT SCALE =	DRAWN - LR	REVISED -
PLOT DATE =	CHECKED - MI	REVISED -
	DATE - 05/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS PLAN (SHEET 1 OF 3)
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SHEET 1 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	311
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6WLW(875)				

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PLOT DATE =	DATE - 05/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS PLAN (SHEET 2 OF 3)
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SHEET 2 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	312
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6WLW(875)				

MATCHLINE STA 200+50
SEE SHEET 311

MATCHLINE STA 215+50
SEE VIEW ABOVE

MATCHLINE STA 215+50
SEE VIEW BELOW

MATCHLINE STA 230+50
SEE SHEET 313

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	DRAWN - LR	REVISED -
PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE =	DATE - 05/22/2026	REVISED -

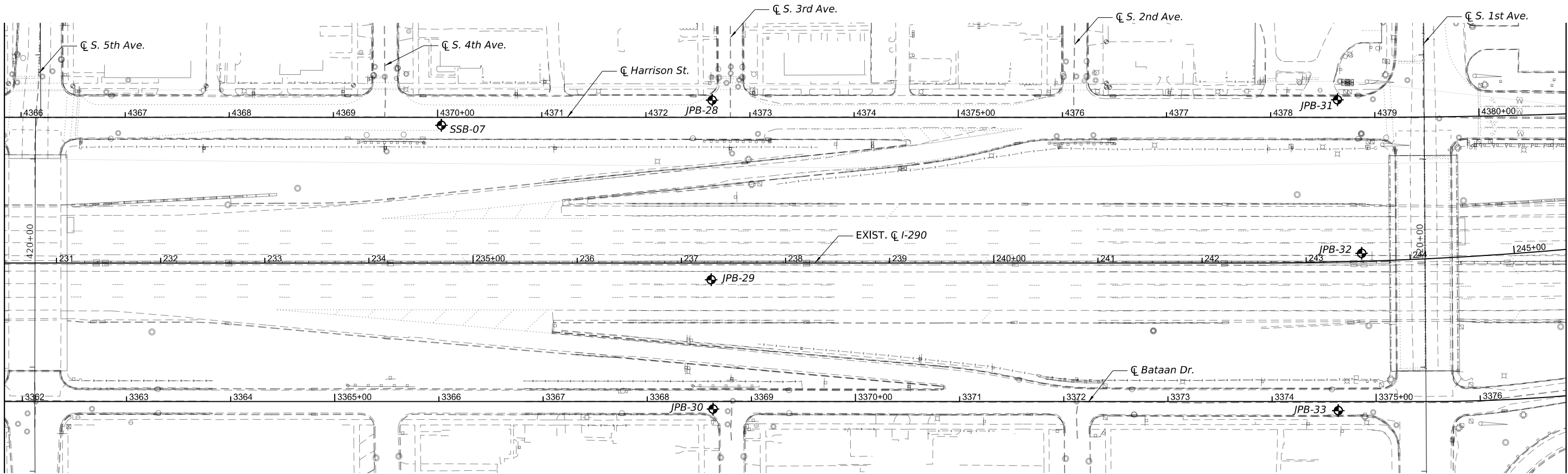
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS PLAN (SHEET 3 OF 3)
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SHEET 3 OF 3 SHEETS

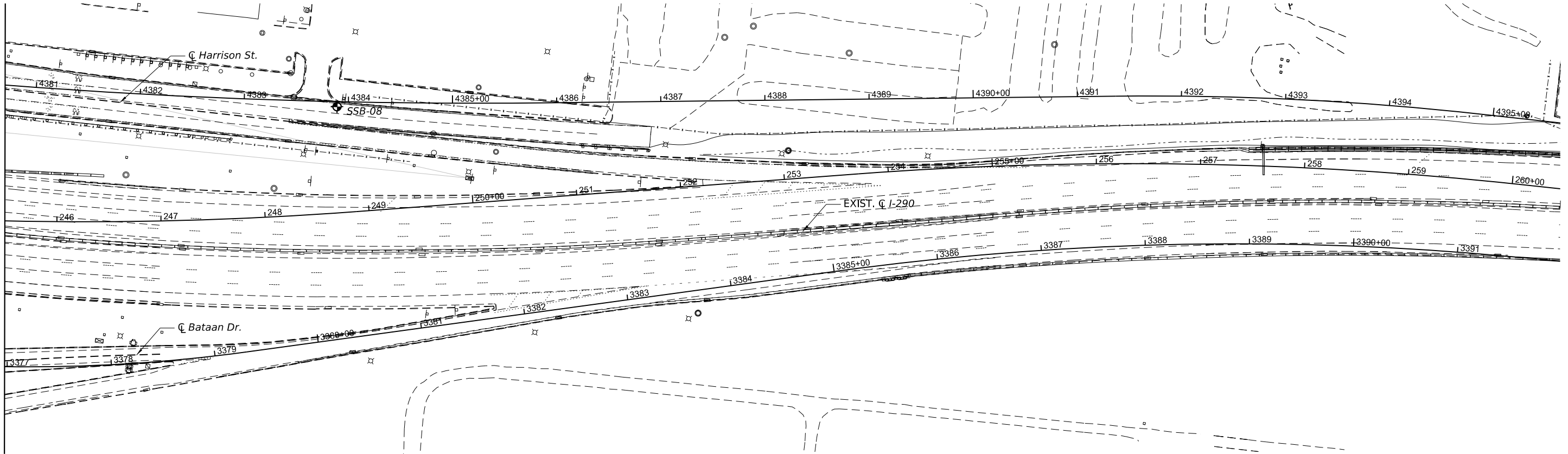
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290	2024-991-DR	COOK	464	313
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6WLW(875)				

MATCHLINE STA 230+50
SEE SHEET 312



MATCHLINE STA 245+50
SEE VIEW BELOW

MATCHLINE STA 245+50
SEE VIEW ABOVE





WEI Job No.: KE245518

Client **Accurate Group, Inc.**
Project **FAI-290 Drainage Improvement D-91-226-24**
Location **Cook County, IL**

Datum: NAVD 88
Elevation: 615.72 ft
North: 1895916.80 ft
East: 1114912.43 ft
Station: 189+88.60
Offset: 9.761 RT

Page 1 of 1

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <i>recovery</i>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type <i>recovery</i>	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	615.4	4-inch thick ASPHALT															
	614.7	8-inch thick CONCRETE															
	614.2	--PAVEMENT--															
		Brown SANDY GRAVEL			1	15 14 11	NA										
		--AGGREGATE BASE--															
	612.7	Brown Gravelly SILTY CLAY; damp			2	8 11 19	NP	10									
		--FILL--															
		Dense, gray SILTY LOAM, trace gravel; damp			3	9 13 20	NP	14									
		--RDR 2--			4	8 15 15	NP	13									
	605.2	Hard, gray SILTY CLAY, trace gravel; damp			5	6 11 14	4.50 P	14									
	--RDR 2--																
602.7	Dense to very dense, gray SILTY LOAM to SILT, trace gravel; damp			6	5 13 35	NP	12										
	--RDR 2--			7	20 43 38	NP	5										
				8	20 31 40	NP	8										
	595.7		20														
Boring terminated at 20.00 ft																	
GENERAL NOTES										WATER LEVEL DATA							
Begin Drilling 03-24-2025 Complete Drilling 03-24-2025										While Drilling ▽ Dry							
Drilling Contractor Wang Testing Services Drill Rig 17B57T [91%]										At Completion of Drilling ▼ Dry							
Driller RR&KA Logger I. Romero Checked by C. Marin										Time After Drilling NA							
Drilling Method 3.25" ID HSA; backfilled upon completion										Depth to Water ▼ NA							
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual																	

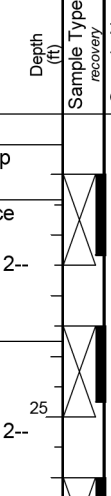
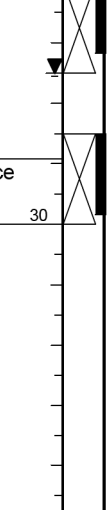


WEI Job No.: KE245518

Client **Accurate Group, Inc.**
Project **FAI-290 Drainage Improvement D-91-226-24**
Location **Cook County, IL**

Datum: NAVD 88
Elevation: 622.30 ft
North: 1895973.52 ft
East: 1115860.14 ft
Station: 199+37.84
Offset: 8.023 LT

Page 1 of 1

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	
	621.6 621.3	8-inch thick ASPHALT --PAVEMENT-- 4-inch thick, black SILTY CLAY LOAM --FILL-- Medium dense, brown SAND, trace gravel; damp to wet --FILL--			1	6 5 5	NP	5		601.8 600.9	Gray SAND, trace gravel; damp Medium dense, gray SILT, trace gravel; moist --RDR 2--			9	7 12 16	NP	20	
	618.7	Stiff to very stiff, gray CLAY to SILTY CLAY, trace gravel; moist --RDR 2--	5		2	3 2 5	1.07 B	21		598.5	Medium dense, gray SANDY LOAM to SAND, trace gravel; moist to saturated --RDR 2--	25		10	7 9 12	NP	19	
					3	3 5 7	3.12 B	16						11	3 7 7	NP	21	
	614.3	Stiff to hard, gray LOAM to SILTY LOAM, trace gravel; moist --RDR 2--	10		4	3 5 6	1.97 B	13		593.4 592.3	Medium dense, gray SILT, trace gravel; wet Boring terminated at 30.00 ft	30		12	4 7 11	NP	19	
		--L _L (%)=23, P _L (%)=14-- --%Gravel=9.4-- --%Sand=35.2-- --%Silt=44.3-- --%Clay=11.2--			5	5 18 30	8.20 S	10										
					6	7 15 15	3.50 P	11										
	606.8	Dense, gray SILT, trace gravel; damp to moist --RDR 2-- --clay seam--			7	8 17 16	NP	16										
			20		8	12 15 19	NP	16										
GENERAL NOTES									WATER LEVEL DATA									
Begin Drilling 03-23-2025 Complete Drilling 03-23-2025									While Drilling ▽ 3.50 ft									
Drilling Contractor Wang Testing Services Drill Rig 21GeoT[92%]									At Completion of Drilling ▼ 27.50 ft									
Driller TC&AP Logger A. Scifers Checked by C. Marin									Time After Drilling NA									
Drilling Method .2.25" ID.HSA; backfilled upon completion									Depth to Water ▼ NA									
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.																		



USER NAME =	DESIGNED - LR	REVISED -
	DRAWN - LR	REVISED -
PLOT SCALE =	CHECKED - MJ	REVISED -
PLOT DATE =	DATE - 05/22/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BORING LOGS (SHEET 10 OF 35)
I-290 FROM 22ND AVE TO DES PLAINES RIVER

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	323
		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6WLW(875)		



a Terracon Company

1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

BORING LOG JPB-13

WEI Job No.: KE245518

Client **Accurate Group, Inc.**

Project **FAI-290 Drainage Improvement D-91-226-24**

Location **Cook County, IL**

Datum: NAVD 88
Elevation: 626.99 ft
North: 1896115.11 ft
East: 1116315.52 ft
Station: 4339+31.10
Offset: 9.197 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	626.74	9-inch thick ASPHALT															
	625.9	9-inch thick CONCRETE															
		--PAVEMENT--															
		Loose, gray SANDY GRAVEL; damp			1	6 5 3	NP	5			--L _L (%)=NP, P _L (%)=NP--			9	13 33 46	NP	15
		--AGGREGATE BASE--									--%Gravel=0.9--						
	624.0	Loose, gray, coarse SAND, little gravel; damp			2	4 3 2	NP	9			--%Sand=6.4--			10	12 26 38	NP	14
		--FILL--									--%Silt=84.8--						
		--offset 1' west due to obstruction at 5' bgs--			5						--%Clay=7.9--						
	621.5	Very stiff to hard, brown to gray SILTY CLAY, trace to little gravel; damp			3	3 5 6	3.50 P	20		601.5	Hard, gray SILTY CLAY LOAM, trace to little gravel; damp to wet			11	6 13 21	> 4.50 P	14
		--RDR 2--									--RDR 2-3--						
			10		4	3 9 10	3.36 B	16						12	7 14 19	8.04 B	21
					5	3 6 9	3.36 B	16									
			15		6	3 7 8	2.30 B	16						13	13 26 35	> 4.50 P	11
	610.3	Dense to very dense, gray SILT; damp			7	5 13 20	7.38 B	15		590.2	Very dense, gray SILTY LOAM, little gravel; wet			14	20 50/5"	NP	
		--RDR 3--									--RDR 4--						
			20		8	18 33 23	NP	14									
GENERAL NOTES									WATER LEVEL DATA								
Begin Drilling 04-09-2025 Complete Drilling 04-10-2025									While Drilling 38.50 ft								
Drilling Contractor Wang Testing Services Drill Rig 20D50T [80%]									At Completion of Drilling Coring water								
Driller GT&MN Logger I Romero Checked by C. Marin									Time After Drilling NA								
Drilling Method 3.25" ID HSA; installed monitoring well after drilling.									Depth to Water NA								
									The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.								



a Terracon Company

1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

BORING LOG JPB-13

WEI Job No.: KE245518

Client **Accurate Group, Inc.**

Project **FAI-290 Drainage Improvement D-91-226-24**

Location **Cook County, IL**

Datum: NAVD 88
Elevation: 626.99 ft
North: 1896115.11 ft
East: 1116315.52 ft
Station: 4339+31.10
Offset: 9.197 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	585.2	Very dense, gray SANDY GRAVEL, trace cobbles; moist															
		--RDR 4--															
			45		15	50/4"	NP										
	579.0	Strong, light brownish gray, poor quality, slightly weathered to fresh, vuggy DOLOSTONE; closely spaced, horizontal, oblique, and vertical joints, with 0-0.2 inch opening, slightly rough walls, <0.2 inch thick clay infill.															
		--Run 1: 48.0 to 58.0 feet--															
		--Recovery: 34%--															
		--RQD: 89%--															
			50														
			55														
	569.0	Boring terminated at 58.00 ft															
GENERAL NOTES									WATER LEVEL DATA								
Begin Drilling 04-09-2025 Complete Drilling 04-10-2025									While Drilling 38.50 ft								
Drilling Contractor Wang Testing Services Drill Rig 20D50T [80%]									At Completion of Drilling Coring water								
Driller GT&MN Logger I Romero Checked by C. Marin									Time After Drilling NA								
Drilling Method 3.25" ID HSA; installed monitoring well after drilling.									Depth to Water NA								
									The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.								

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PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE =	DATE - 05/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS (SHEET 12 OF 35)
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SHEET 12 OF 35 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	325
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6WLW(875)				



a Terracon Company
1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

BORING LOG JPB-14

WEI Job No.: KE245518

Client **Accurate Group, Inc.**
Project **FAI-290 Drainage Improvement D-91-226-24**
Location **Cook County, IL**

Datum: NAVD 88
Elevation: 623.86 ft
North: 1895976.98 ft
East: 1116337.72 ft
Station: 204+15.15
Offset: 8.115 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	623.1	9-inch thick ASPHALT --PAVEMENT--															
	622.3	Stiff, brown CLAY LOAM to LOAM, trace gravel; moist --FILL--		X	1	4 4 4	1.50 P	14					X	9	14 24 36	NP	13
	620.9	Tan SAND, trace gravel; damp --FILL--		X	2	7 5 8	2.50 P	17		600.9	Very dense, gray SILTY LOAM, trace to little gravel; moist to wet --RDR 2--	25	X	10	15 24 29	NP	11
			5	X	3	3 5 7	1.64 B	17					X	11	20 35 29	NP	7
			10	X	4	4 5 7	2.13 B	17				30	X	12	27 30 49	NP	7
				X	5	3 3 5	1.39 B	18									
	610.9	Very dense, gray SILT to SILTY LOAM, trace gravel; damp to moist --RDR 2--	15	X	6	16 33 50	NP	11				35		13	50/1"	NP	13
				X	7	20 36 41	NP	13									
			20	X	8	15 28 40	NP	16		584.4	Boring terminated at 39.50 ft	40	X	14	35 50/6"	NP	10
GENERAL NOTES									WATER LEVEL DATA								
Begin Drilling 03-24-2025 Complete Drilling 03-24-2025									While Drilling 38.50 ft								
Drilling Contractor Wang Testing Services Drill Rig 20CME55T[81%]									At Completion of Drilling 38.50 ft								
Driller GT&JD Logger A Scifers Checked by C. Marin									Time After Drilling NA								
Drilling Method 2.25" ID HSA; backfilled upon completion									Depth to Water NA								
									The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.								

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	DRAWN - LR	REVISED -
PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE =	DATE - 05/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS (SHEET 13 OF 35)
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SHEET 13 OF 35 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	326
CONTRACT NO. 62X09				
ILLINOIS		FED. AID PROJECT 6WLW(875)		



a Terracon Company

1145 N Main Street
Lombard, IL 60148

Telephone: (630) 953-9928
Fax: (630) 953-9938

Client

Accurate Group, Inc.

Project

FAI-290 Drainage Improvement D-91-226-24

Location

Cook County, IL

BORING LOG JPB-17

WEI Job No.: KE245518

Datum: NAVD 88

Elevation: 619.51 ft

North: 1896022.32 ft

East: 1117008.11 ft

Station: 210+86.84

Offset: 9.667 LT

Page 1 of 1

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	618.5	12-inch thick ASPHALT --PAVEMENT--															
		Very stiff to hard, brown to gray SILTY CALY LOAM to SILTY LOAM, trace gravel; moist --RDR 2--		X	1	3 3 6	3.03 B	13					X	9	8 23 21	2.71 S	10
			5	X	2	5 5 10	4.43 B	12				25	X	10	22 30 46	4.50 P	9
		--sand seam--		X	3	3 5 5	2.05 B	10		594.0	Very dense, gray Gravelly LOAM to SILTY LOAM, trace cobbles; moist --RDR 2--		X	11	22 50/5"	NP	9
			10	X	4	4 6 8	3.20 B	15		590.9	Boring terminated at 28.60 ft		X	12	50/1"	NP	6
		--silt seams--		X	5	3 14 12	4.50 P	16									
	606.5	Hard, gray SILTY LOAM, trace gravel; moist --RDR 2-- --L _L (%)=21, P _L (%)=14-- --%Gravel=4.2-- --%Sand=23.7-- --%Silt=60.8-- --%Clay=11.3--		X	6	12 21 33	4.50 P	11				35					
				X	7	9 14 19	10.25 B	8									
		--sand seams--		X	8	6 13 23	7.71 B	12				40					
GENERAL NOTES									WATER LEVEL DATA								
Begin Drilling 03-23-2025 Complete Drilling 03-23-2025									While Drilling ▽ Dry								
Drilling Contractor Wang Testing Services Drill Rig 21GeoT[92%]									At Completion of Drilling ▼ Dry								
Driller TC&AP Logger A. Scifers Checked by C. Marin									Time After Drilling NA								
Drilling Method 2.25" ID HSA; backfilled upon completion									Depth to Water ▼ NA								
									The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.								

MODEL: Default
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5/22/2026 8:29:15 AM



USER NAME =	DESIGNED - LR	REVISED -
	DRAWN - LR	REVISED -
PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE =	DATE - 05/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS (SHEET 16 OF 35)
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SHEET 16 OF 35 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	329
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6WLW(875)				



a Terracon Company
1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

BORING LOG JPB-20

WEI Job No.: KE245518

Client **Accurate Group, Inc.**
Project **FAI-290 Drainage Improvement D-91-226-24**
Location **Cook County, IL**

Datum: NAVD 88
Elevation: 613.66 ft
North: 1896016.24 ft
East: 1117310.85 ft
Station: 213+89.08
Offset: 8.829 RT

Page 1 of 1

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	613.2	5-inch thick ASPHALT															
	612.4	10-inch thick CONCRETE --PAVEMENT--															
		Very stiff to hard, gray SILTY CLAY, trace gravel; moist --RDR 2--		X	1	3 5 6	2.87 B						X	9	9 27 50/3"	> 4.50 P	8
				X	2	5 7 9	4.02 B	17		589.8	--silt seams-- --possible cobbles--		X	10	50/5"	NP	7
	608.2	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel; damp to moist --RDR 2--		X	3	6 17 18	> 4.50 P	13			Boring terminated at 23.90 ft						
				X	4	19 26 50	> 4.50 P	9									
	603.2	Hard, gray SILTY CLAY, trace gravel, sand seams; moist --RDR 2--		X	5	9 18 20	> 10.25 B	12									
	600.7	Very dense, gray SILTY LOAM to SILTY CLAY LOAM, trace gravel; damp to moist --RDR 2--		X	6	10 26 50/4"	> 4.50 P	10									
		--sand seams--		X	7	19 33 33	3.00 P	9									
				X	8	18 25 26	> 4.50 P	9									
GENERAL NOTES									WATER LEVEL DATA								
Begin Drilling 03-24-2025 Complete Drilling 03-24-2025									While Drilling ▽ Dry								
Drilling Contractor Wang Testing Services Drill Rig 20CME55T(81%)									At Completion of Drilling ▽ Dry								
Driller GT&JD Logger A. Scifers Checked by C. Marin									Time After Drilling NA								
Drilling Method 2.25" ID HSA; backfilled upon completion									Depth to Water ▽ NA								
									The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.								

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5/22/2026 8:29:34 AM



USER NAME =	DESIGNED - LR	REVISED -
	DRAWN - LR	REVISED -
PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE =	DATE - 05/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS (SHEET 19 OF 35)
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SHEET 19 OF 35 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	332
CONTRACT NO. 62X09				
		ILLINOIS	FED. AID PROJECT 6WLW(875)	



WEI Job No.: KE245518

Client **Accurate Group, Inc.**
 Project **FAI-290 Drainage Improvement D-91-226-24**
 Location **Cook County, IL**

Datum: NAVD 88
Elevation: 611.78 ft
North: 1896087.21 ft
East: 1118960.15 ft
Station: 230+39.86
Offset: 9.188 LT

Page 1 of 1

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	610.6	14-inch thick ASPHALT --PAVEMENT--								588.3	--RDR 2--						
		Very stiff to hard, gray SILTY CLAY LOAM, trace gravel; moist --RDR 2--	1	3 4 4	3.44 B	16					9	8 40 50/3"	NP	13			
			2	4 7 9	4.51 B	15					C O R E						
			3	5 9 13	6.81 B	17						1					
			4	7 17 29	4.02 S	15											
			5	13 28 18	3.69 S	13					C O R E	2					
			6	50/4"	3.00 P	6											
	603.8	Very stiff to hard, gray SILTY LOAM, trace gravel; moist --RDR 2--	10														
		--gravel seams--															
		--possible cobbles--	15														
	596.3	Very dense, gray and white GRAVEL; damp --RDR 2--															
		--added water to help with augering--															
	593.8	Very dense, gray SILTY LOAM to CLAY LOAM, trace gravel and cobbles; moist	20														
GENERAL NOTES										WATER LEVEL DATA							
Begin Drilling 03-25-2025 Complete Drilling 03-25-2025										While Drilling ▽ Dry							
Drilling Contractor Wang Testing Services Drill Rig 17B57T [91%]										At Completion of Drilling ▼ Coring water							
Driller RR&KA Logger I. Romero Checked by C. Marin										Time After Drilling NA							
Drilling Method .3.25" ID HSA; backfilled upon completion										Depth to Water ▼ NA							
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.																	



WEI Job No.: KE245518

Client **Accurate Group, Inc.**
Project **FAI-290 Drainage Improvement D-91-226-24**
Location **Cook County, IL**

Datum: NAVD 88
Elevation: 625.72 ft
North: 1896082.34 ft
East: 1119649.38 ft
Station: 237+28.65
Offset: 16.038 RT

Page 1 of 1

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	
	625.3	5-inch thick ASPHALT																
	624.7	7.5-inch thick CONCRETE																
	624.6	--PAVEMENT--																
		Gray SANDY GRAVEL			1	2 3 3	1.80 B	17							9	19 28 32	NP	8
		--AGGREGATE BASE--																
		Stiff to hard, gray SILTY CLAY, trace to little gravel; damp																
		--RDR 2--			2	3 5 7	3.85 B	20							10	24 50/6"	NP	9
	5																	
					3	4 6 6	1.50 P	9							11	23 25 47	NP	9
	10				4	2 4 7	4.43 B	18							12	24 39 50/5"	NP	13
615.2	Dense to very dense, gray SILTY LOAM, trace to little gravel and cobbles; damp			5	14 18 21	NP	12		595.7									
	--RDR 2-3--																	
	--L _L (%)=NP, P _L (%)=NP-- --%Gravel=4.1-- --%Sand=37.2-- --%Silt=51.5-- --%Clay=7.2-- --RDR 3-- --little gravel--			6	17 41 35	NP	8											
				7	10 20 26	NP	8											
	--possible cobbles--			8	22 28 50/5"	NP	11											
			20															
GENERAL NOTES										WATER LEVEL DATA								
Begin Drilling 03-26-2025 Complete Drilling 03-26-2025										While Drilling ▽ Dry								
Drilling Contractor Wang Testing Services Drill Rig 17B57T [91%]										At Completion of Drilling ▼ Dry								
Driller RR&KA Logger I. Romero Checked by C. Marin										Time After Drilling NA								
Drilling Method 3.25" ID HSA; backfilled upon completion										Depth to Water ▼ NA								
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual																		



a Terracon Company

1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

BORING LOG JPB-32

WEI Job No.: KE245518

Client **Accurate Group, Inc.**

Project **FAI-290 Drainage Improvement D-91-226-24**

Location **Cook County, IL**

Datum: NAVD 88
Elevation: 607.21 ft
North: 1896126.20 ft
East: 1120272.94 ft
Station: 243+53.49
Offset: 7.762 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	
	606.8	5-inch thick ASPHALT																
	606.2	7-inch thick CONCRETE																
	605.94	4-inch thick Gravel																
		--AGGREGATE BASE--																
		Very stiff to hard, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp																
		--RDR 2--																
			5		2	3 5 5	3.00 P	14					25		10	44 50/6"	NP	8
	601.7	Very dense, gray SILT to SILTY LOAM, trace gravel and cobbles; damp			3	22 35 46	NA	8							11	49 50/3"	NP	9
		--RDR 2-4--			4	19 24 30	NP	16							12	50/5"	NP	9
			10		5	20 26 23	NP	12										
																		
</																		



a Terracon Company

1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

BORING LOG JPB-32

WEI Job No.: KE245518

Client **Accurate Group, Inc.**

Project **FAI-290 Drainage Improvement D-91-226-24**

Location **Cook County, IL**

Datum: NAVD 88
Elevation: 607.21 ft
North: 1896126.20 ft
East: 1120272.94 ft
Station: 243+53.49
Offset: 7.762 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	565.5	Very dense, gray Gravelly SAND, trace cobbles; wet --RDR 4--															
	562.2				15	50/6"	NP	7									
		Strong, light gray, poor rock mass quality, slightly weathered to fresh, vuggy DOLOSTONE; closely spaced, horizontal, oblique, and vertical joints, with 0-0.2 inch opening, slightly rough to rough walls, and <0.2 inch thick clay infill. --Run 1: 45.0 to 50.0 feet-- --Recovery: 66%-- --RQD: 10%--	45			C O R E											
	557.2		50		16												
		Boring terminated at 50.00 ft															

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5/22/2026 8:30:43 AM



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	DRAWN - LR	REVISED -
PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE =	DATE - 05/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS (SHEET 30 OF 35)
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SHEET 30 OF 35 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	343
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6WLW(875)				

Wang

Engineering

a Terracon Company

1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

Client

Accurate Group, Inc.

Project

FAI-290 Drainage Improvement D-91-226-24

Location

Cook County, IL

BORING LOG SSB-05

WEI Job No.: KE245518

Datum: NAVD 88
Elevation: 628.35 ft
North: 1896206.66 ft
East: 1117992.66 ft
Station: 4356+10.40
Offset: 17.164 LT

Wang

Engineering

a Terracon Company

1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

Client

Accurate Group, Inc.

Project

FAI-290 Drainage Improvement D-91-226-24

Location

Cook County, IL

BORING LOG SSB-06

WEI Job No.: KE245518

Datum: NAVD 88
Elevation: 628.55 ft
North: 1896196.14 ft
East: 1118481.66 ft
Station: 4360+98.88
Offset: 7.798 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	627.9	5-inch thick ASPHALT															
	627.4	--PAVEMENT--															
	626.4	6-inch thick SANDY GRAVEL															
		--AGGREGATE BASE--															
		Stiff, brown and gray CLAY LOAM, trace gravel; damp			1	2 3 4	1.00 P	24						9	6 11 13	6.97 B	13
		--FILL--															
		Stiff to hard, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp			2	8 6 6	4.50 P	16		605.4	Very dense, gray SILTY LOAM to SILT, trace to little gravel; damp			10	9 32 26	NP	12
		--RDR 2--	5									25					
					3	2 3 3	1.89 B	21						11	8 24 31	NP	15
					4	4 8 10	5.74 S	18						12	29 46 50/4"	NP	10
			10							598.4	Boring terminated at 29.30 ft	30					
		--L _L (%)=33, P _L (%)=15-- --%Gravel=1.7-- --%Sand=12.3-- --%Silt=51.7-- --%Clay=34.2--			5	2 8 11	3.20 S	19									
	615.4	Hard, gray CLAY LOAM, trace gravel; damp			6	5 6 9	5.58 S	12									
		--RDR 2-- --L _L (%)=26, P _L (%)=13-- --%Gravel=3.4-- --%Sand=24.1-- --%Silt=45.0-- --%Clay=27.5--	15									35					
	612.9	Very stiff to hard, gray ILTY CLAY LOAM, trace gravel; damp			7	7 13 19	2.50 P	13									
		--RDR 2--															
					8	5 9 13	6.72 B	14									
			20									40					
GENERAL NOTES									WATER LEVEL DATA								
Begin Drilling 03-12-2025 Complete Drilling 03-12-2025									While Drilling ☒ Dry								
Drilling Contractor Wang Testing Services Drill Rig 20CME55T[81%]									At Completion of Drilling ☒ Dry								
Driller GT&MN Logger I. Romero Checked by C. Marin									Time After Drilling NA								
Drilling Method 2.25" ID HSA; backfilled upon completion									Depth to Water ☒ NA								
									The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.								

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	628.3	3.5-inch thick ASPHALT															
	627.6	7.5-inch thick CONCRETE															
		--PAVEMENT--															
		Medium dense, gray SANDY GRAVEL; damp			1	6 6 8	NP	9						9	6 11 17	6.72 B	16
		--FILL--															
	625.5	Very stiff to hard, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp			2	5 6 9	NA	17									
		--RDR 2-- --L _L (%)=34, P _L (%)=15-- --%Gravel=1.9-- --%Sand=17.0-- --%Silt=53.1-- --%Clay=28.0--	5							604.5	Hard, gray SILTY LOAM to SILTY CLAY LOAM, trace gravel; damp			10	8 20 36	7.22 B	16
					3	2 5 6	2.30 B	22				25					
					4	4 8 13	5.00 B	19									
			10											12	7 13 23	10.25 B	12
					5	8 11 11	NA	18		598.5	Boring terminated at 30.00 ft	30					
					6	5 10 15	3.00 P	18									
	613.0	Hard, gray CLAY, trace gravel; damp			7	6 11 14	8.61 B	13									
		--RDR 2-- --L _L (%)=31, P _L (%)=16-- --%Gravel=3.8-- --%Sand=17.1-- --%Silt=46.6-- --%Clay=32.6--															
	610.5	Hard, gray SILTY CLAY LOAM, trace gravel; damp			8	4 7 13	4.92 S	15									
			20									40					
GENERAL NOTES									WATER LEVEL DATA								
Begin Drilling 03-10-2025 Complete Drilling 03-10-2025									While Drilling ☒ Dry								
Drilling Contractor Wang Testing Services Drill Rig 20CME55T[81%]									At Completion of Drilling ☒ Dry								
Driller GT&MN Logger I. Romero Checked by C. Marin									Time After Drilling NA								
Drilling Method 2.25" ID HSA; backfilled upon completion									Depth to Water ☒ NA								
									The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.								

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	DRAWN - LR	REVISED -
PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE =	DATE - 05/22/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

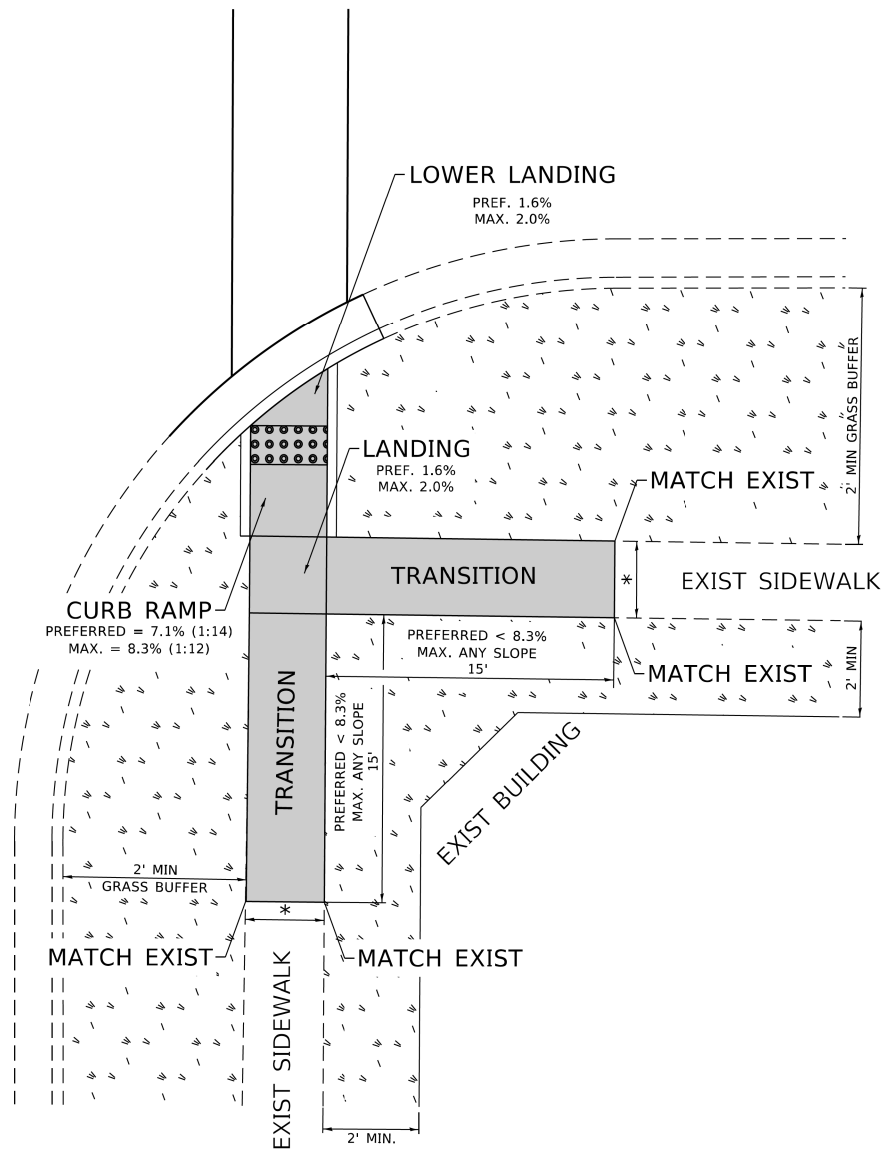
BORING LOGS (SHEET 34 OF 35)
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SHEET 34 OF 35 SHEETS

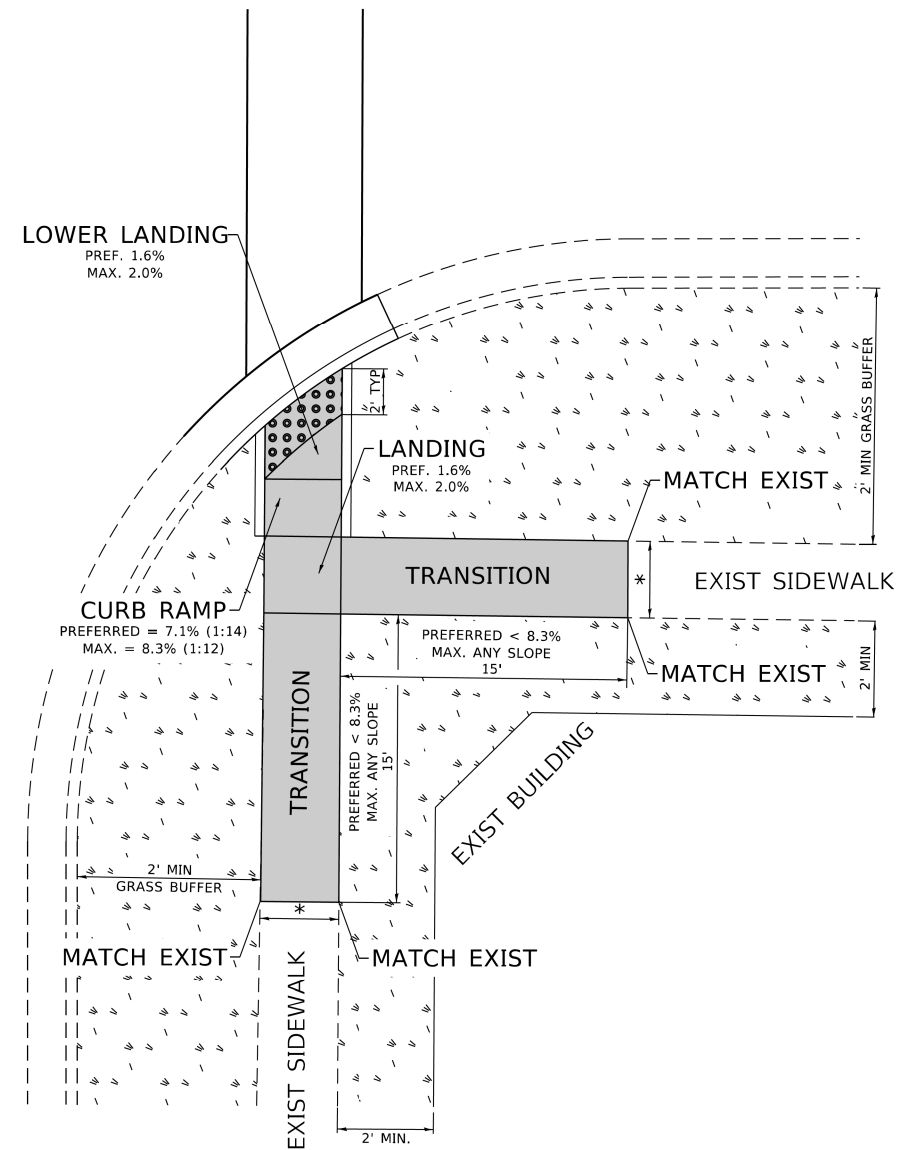
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	347
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6WLW(875)				

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-04)

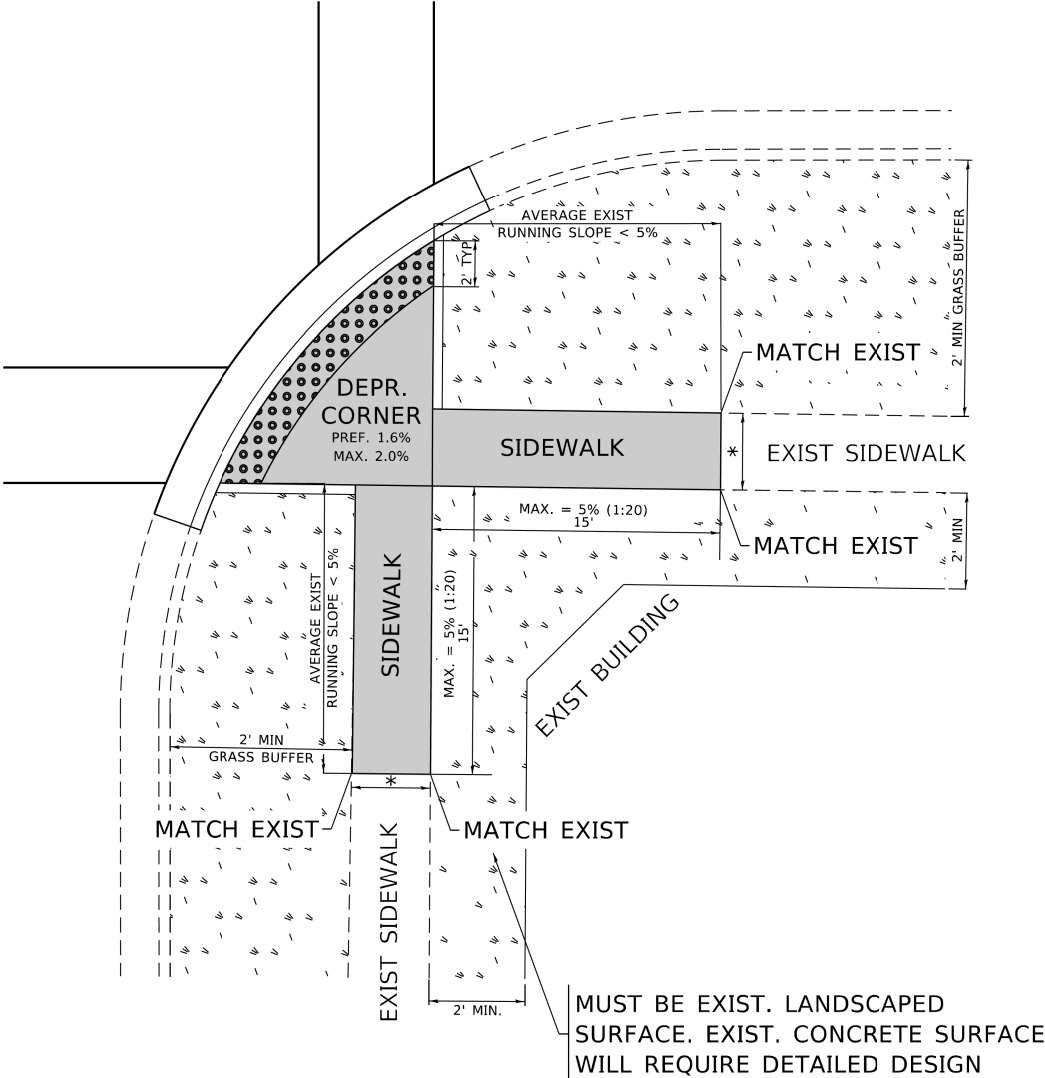
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	349
PD-04		CONTRACT NO. 62X09		
		ILLINOIS	FED. AID PROJECT 6W/LW(875)	

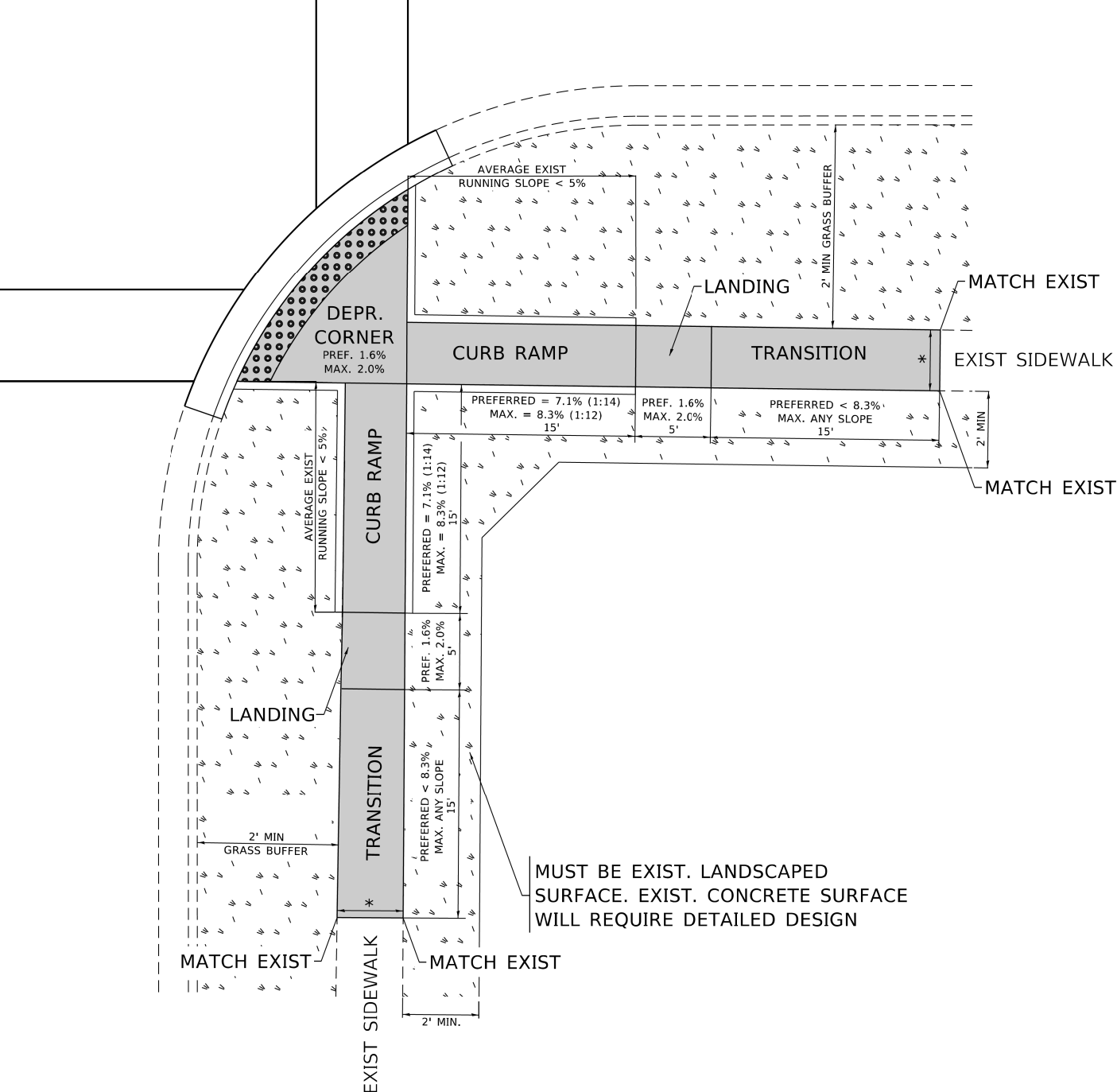
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	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/19/2019	DATE - 10/02/2019	REVISED -

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

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USER NAME	= gagliano
DESIGNED	-
DRAWN	- R. LEDEZMA
PLOT SCALE	= 100.0000' / in.
PLOT DATE	= 11/19/2019

REVISION	-
REVISION	-
REVISION	-
REVISION	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

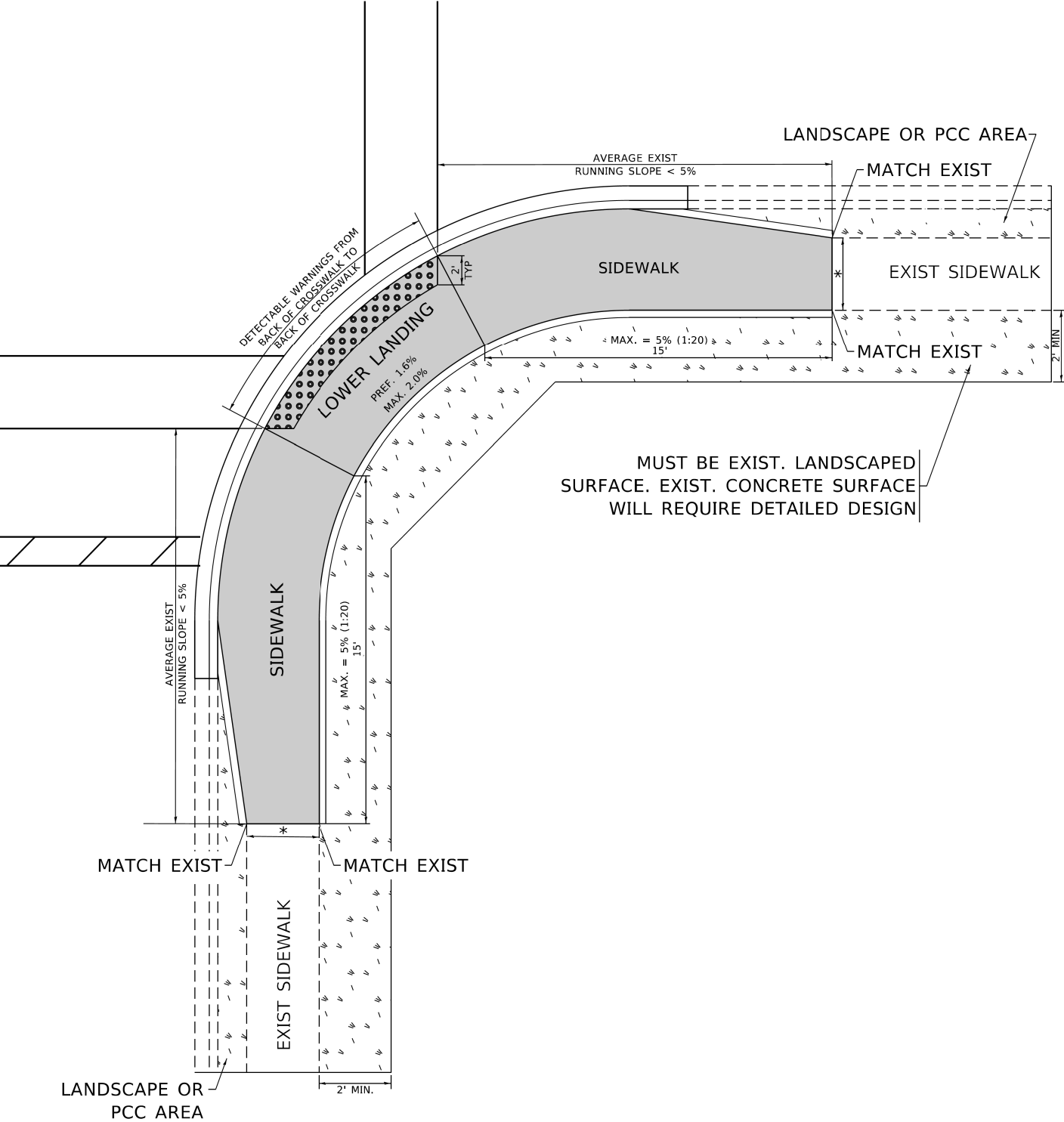
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-05)

SCALE: NONE SHEET OF SHEETS STA. TO STA.

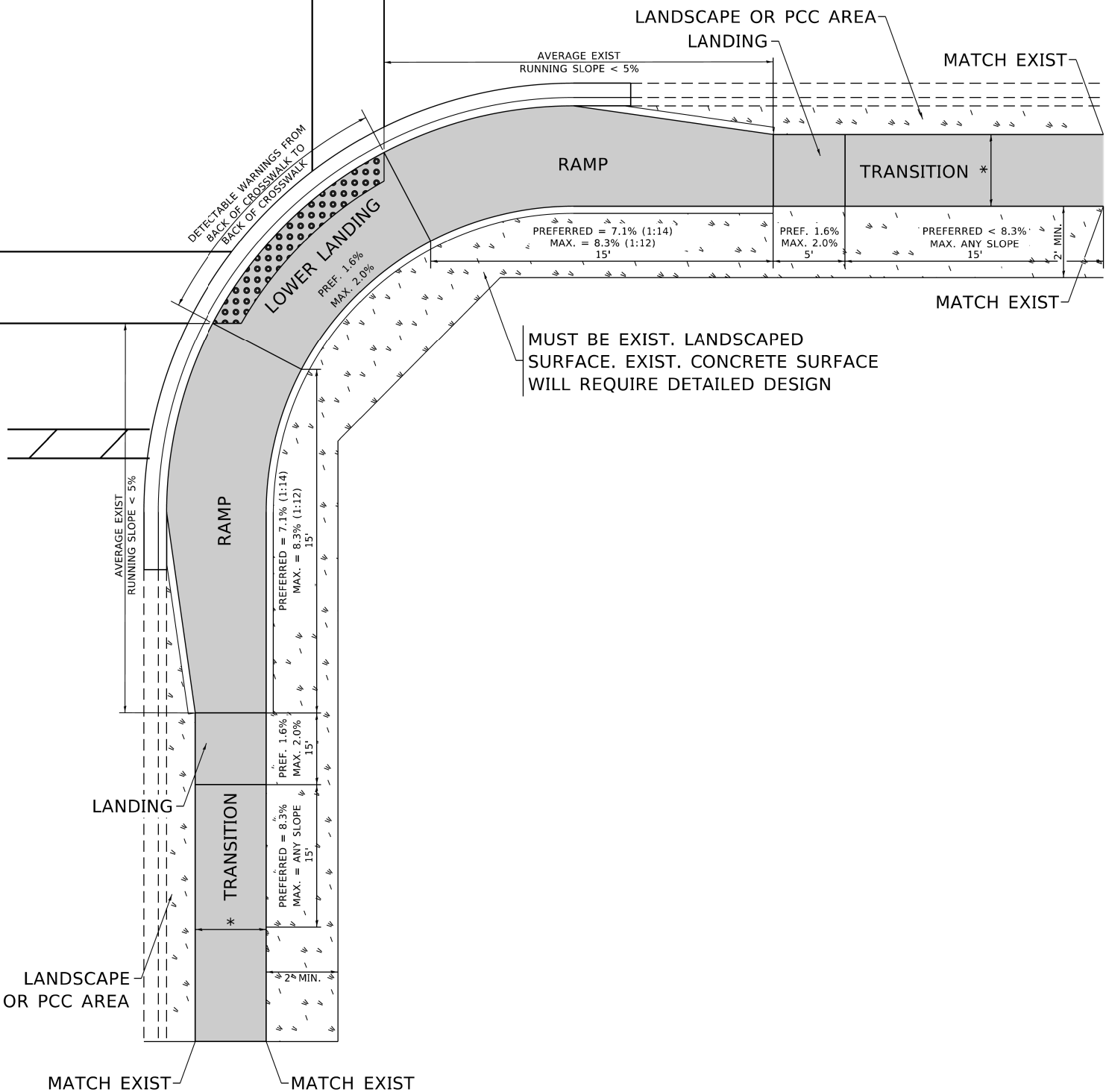
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	350
PD-05		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6WLW(875)		

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-06A



PD-06B



LEGEND

PROPOSED SIDE CURB

- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

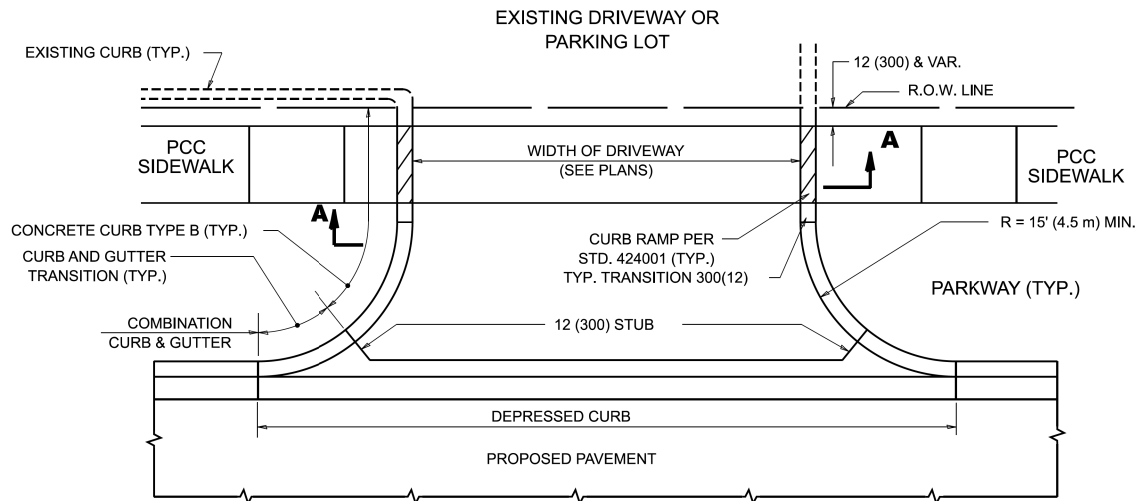
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-06)

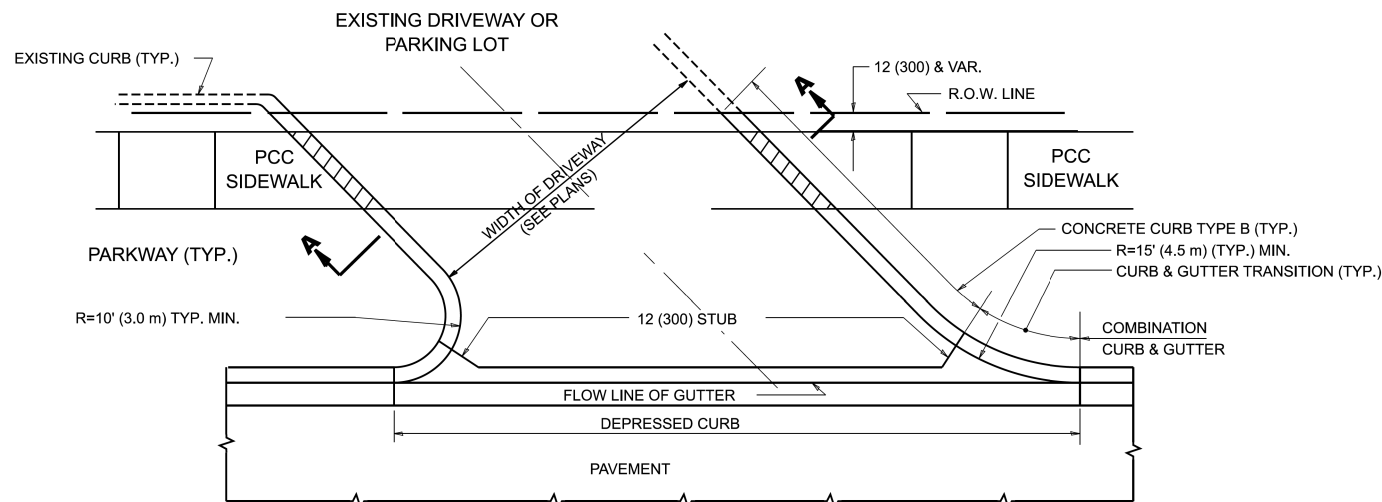
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	351
PD-06		CONTRACT NO. 62X09		

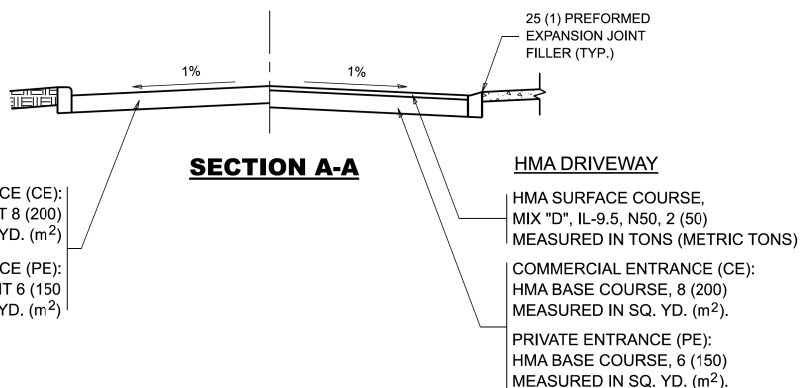
ILLINOIS FED. AID PROJECT 6W/LW(875)



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RIGID DRIVEWAY

COMMERCIAL ENTRANCE (CE):
PCC DRIVEWAY PAVEMENT 8 (200)
MEASURED IN SQ. YD. (m²)

PRIVATE ENTRANCE (PE):
PCC DRIVEWAY PAVEMENT 6 (150)
MEASURED IN SQ. YD. (m²)

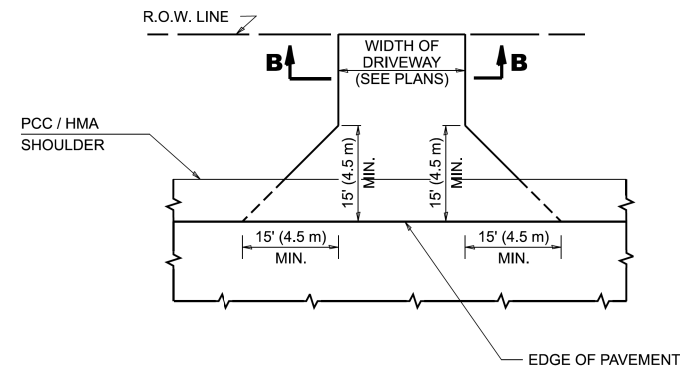
SECTION A-A

HMA DRIVEWAY

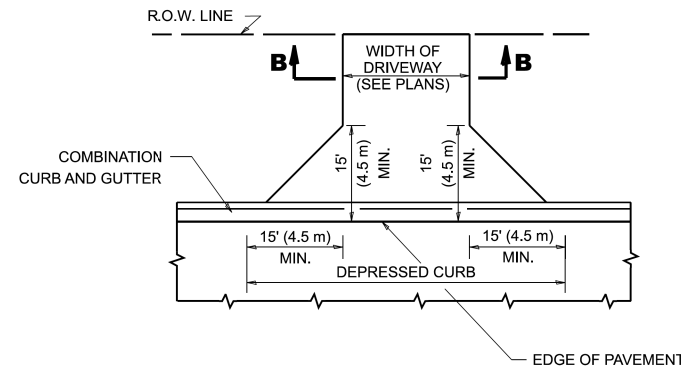
HMA SURFACE COURSE,
MIX "D", IL-9.5, N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

COMMERCIAL ENTRANCE (CE):
HMA BASE COURSE, 8 (200)
MEASURED IN SQ. YD. (m²)

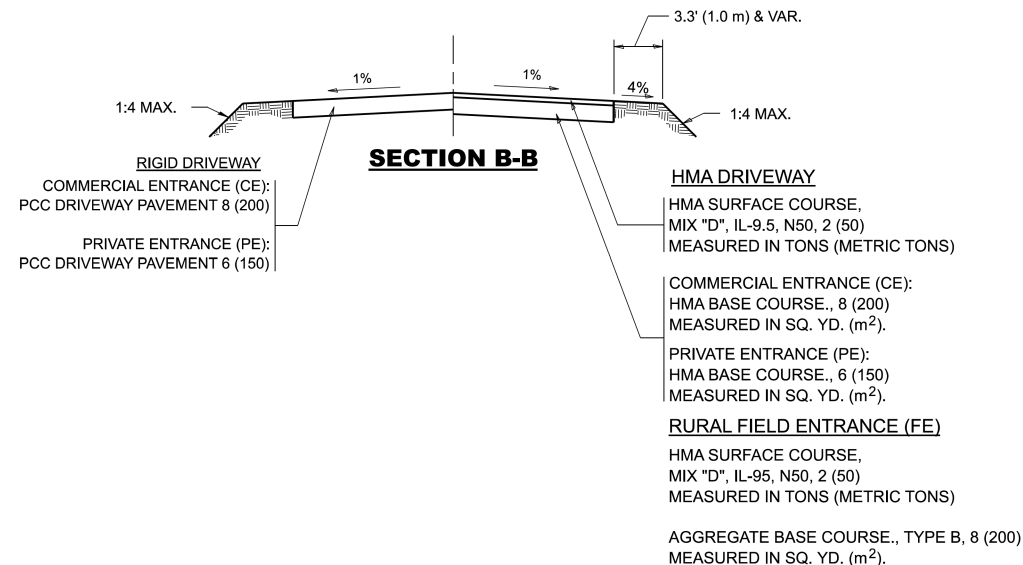
PRIVATE ENTRANCE (PE):
HMA BASE COURSE, 6 (150)
MEASURED IN SQ. YD. (m²)



ADJACENT TO PCC / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

RIGID DRIVEWAY
COMMERCIAL ENTRANCE (CE):
PCC DRIVEWAY PAVEMENT 8 (200)
PRIVATE ENTRANCE (PE):
PCC DRIVEWAY PAVEMENT 6 (150)

HMA DRIVEWAY
HMA SURFACE COURSE,
MIX "D", IL-9.5, N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

COMMERCIAL ENTRANCE (CE):
HMA BASE COURSE, 8 (200)
MEASURED IN SQ. YD. (m²)
PRIVATE ENTRANCE (PE):
HMA BASE COURSE, 6 (150)
MEASURED IN SQ. YD. (m²)

RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "D", IL-9.5, N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE COURSE, TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²)

GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.
- COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

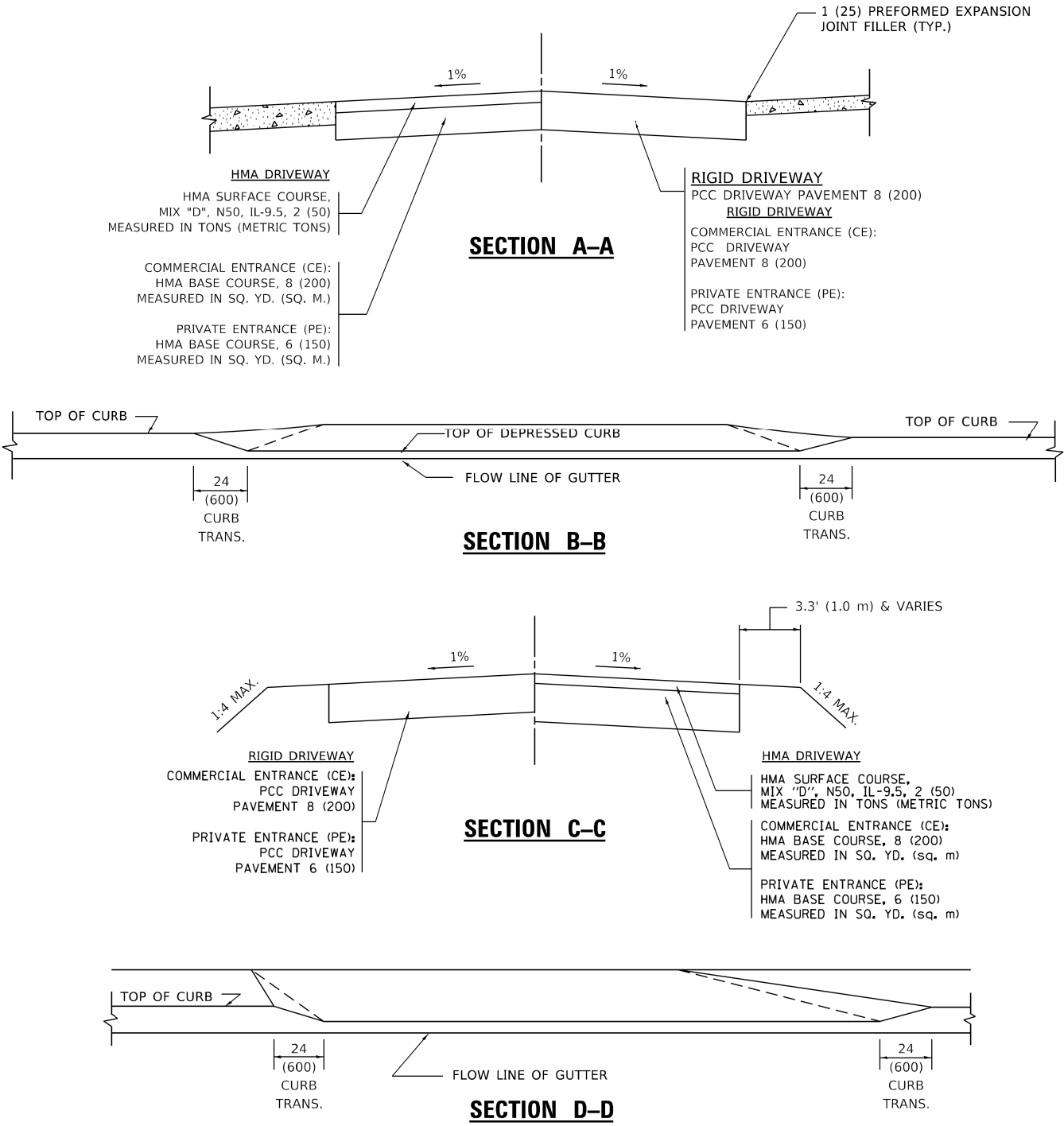
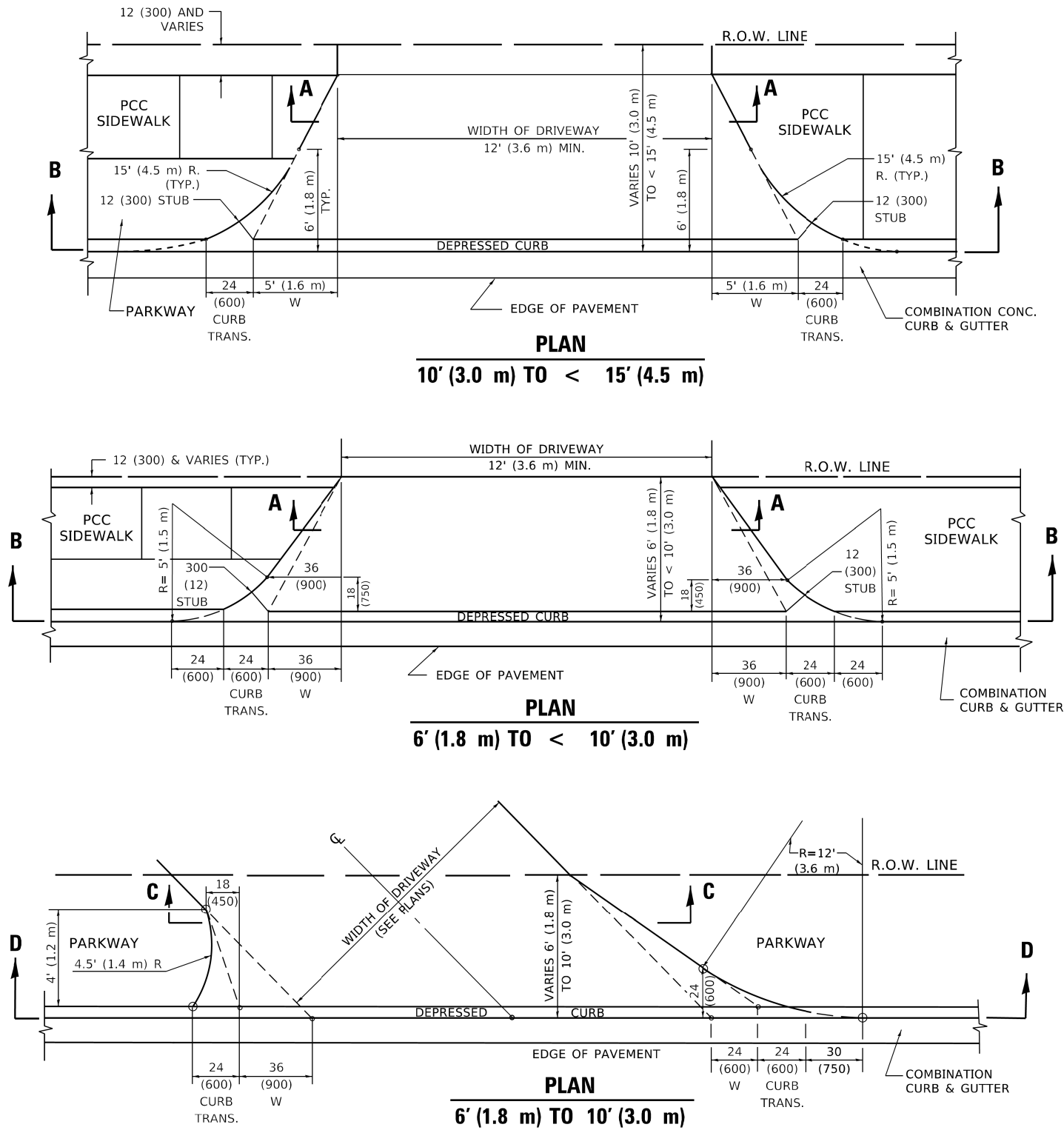
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
AND FACE OF CURB & EDGE OF SHOULDER >15'(4.5m)**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	352
BD400-01 (BD-01)		CONTRACT NO. 62X09		
ILLINOIS FED. AID PROJECT 6W/LW(875)				

MODEL: BD-02
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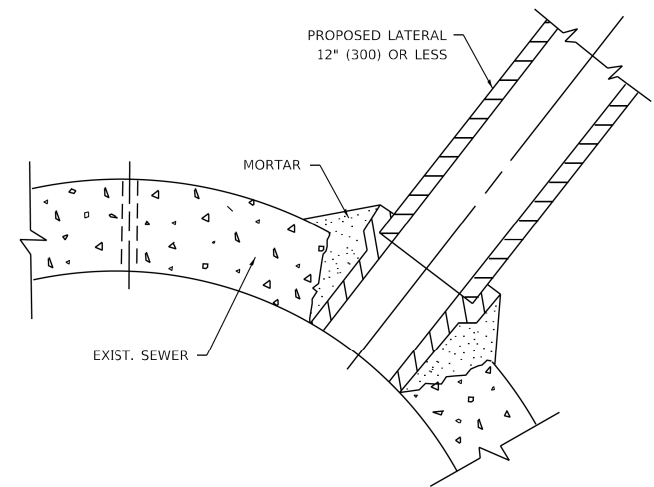
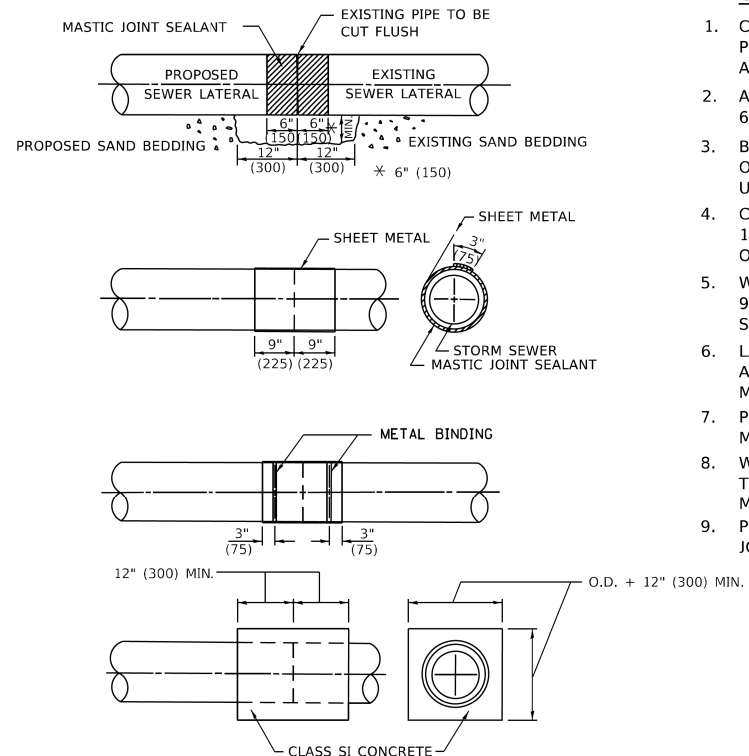
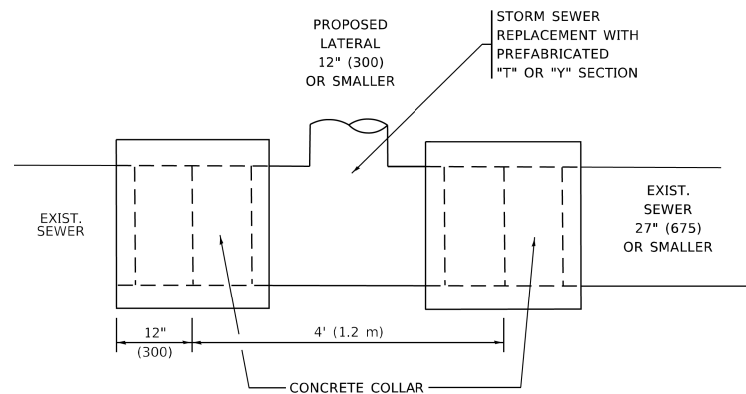


GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
- WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
- "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

	USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 09-06-11						290	2024-991-DR	COOK	464	353
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 08-27-19		BD400-02 (BD-02)		CONTRACT NO. 62X09						
	PLOT DATE = 11/18/2022	DATE - 11-06-95	REVISED - K. SMITH 11-18-22		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.			
ILLINOIS FED. AID PROJECT 6W/LW(875)													



- ## CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
- A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

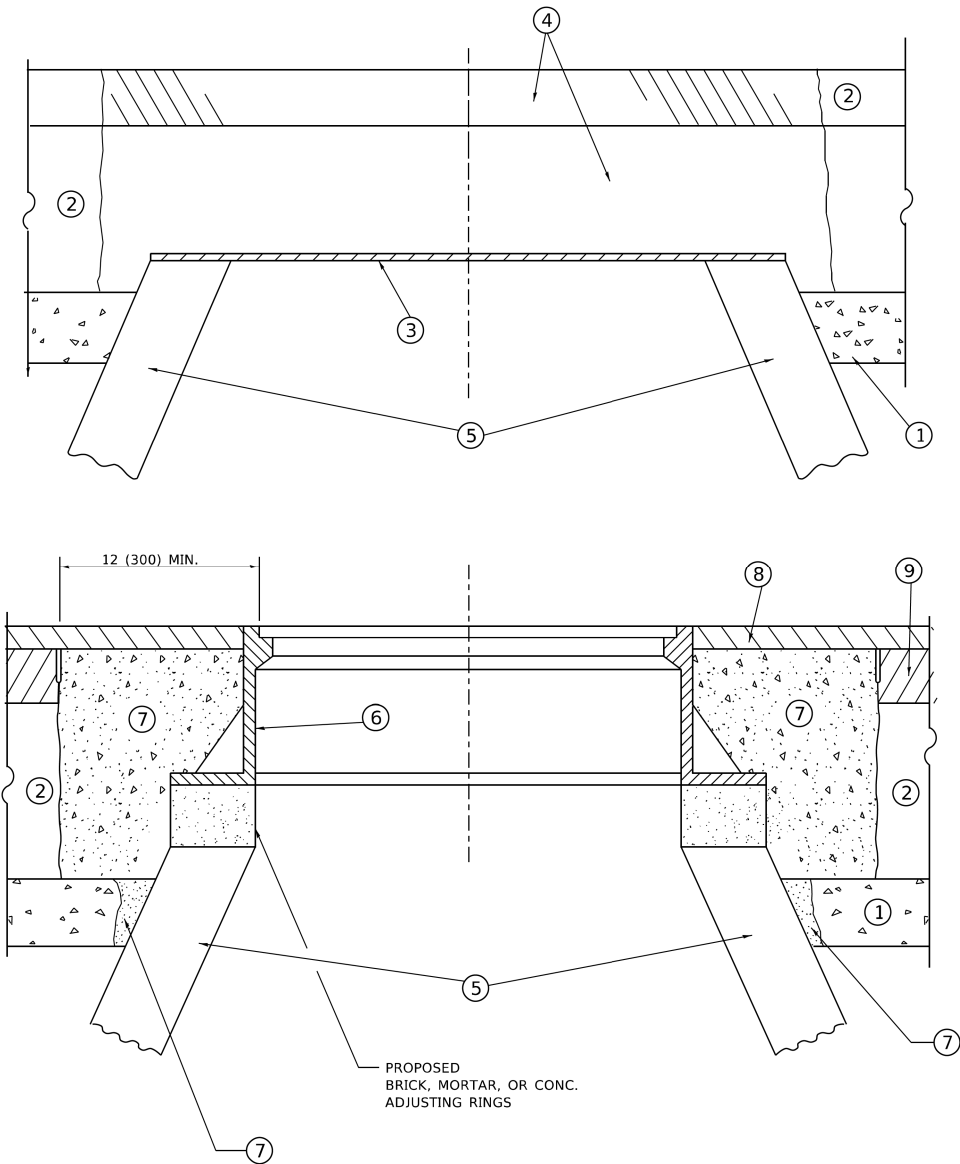
1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
2. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

FILE NAME: Q:\PROJECTS\2024\2024-991-DR\2024-991-DR.dwg PLOT DATE: 11/18/2022	USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. SHAH 10-25-94						290	2024-991-DR	COOK	464	354
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. SHAH 06-12-96		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.				BD500-01 (BD-07) CONTRACT NO. 62X09				
	PLOT DATE = 11/18/2022	DATE - 07-25-90	REVISED - K. SMITH 11-18-22						ILLINOIS FED. AID PROJECT 6W(LW)(875)				



**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

MODEL: BD-08
FILE NAME: C:\Engineering\Utility\Bids\25001_1290-FRS-PH\03_CADD\01_Sheets\2-Details\Detail-01-frames.mxd

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.

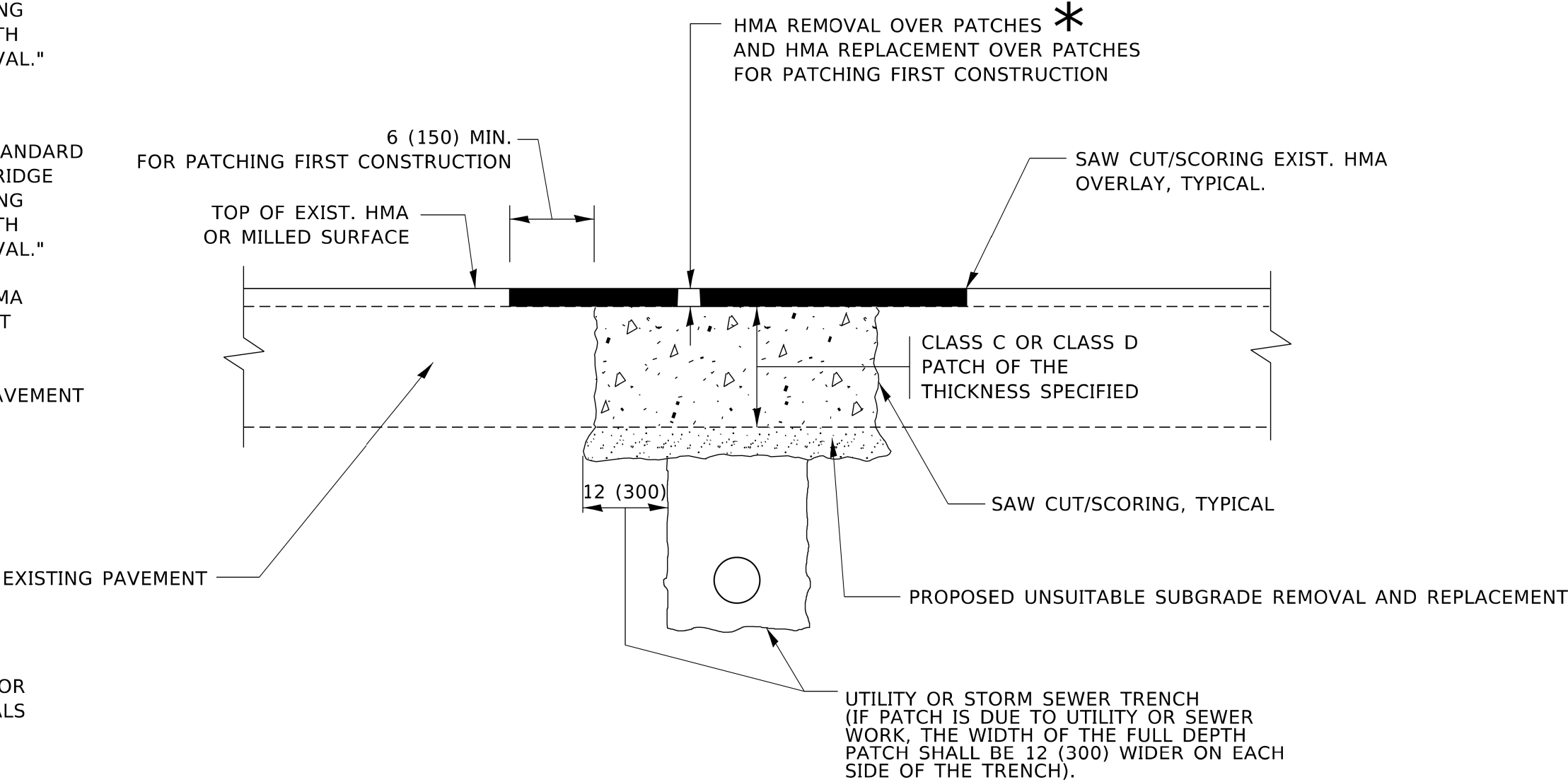
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	355
BD600-03 (BD-08)		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6WLW(875)		

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.

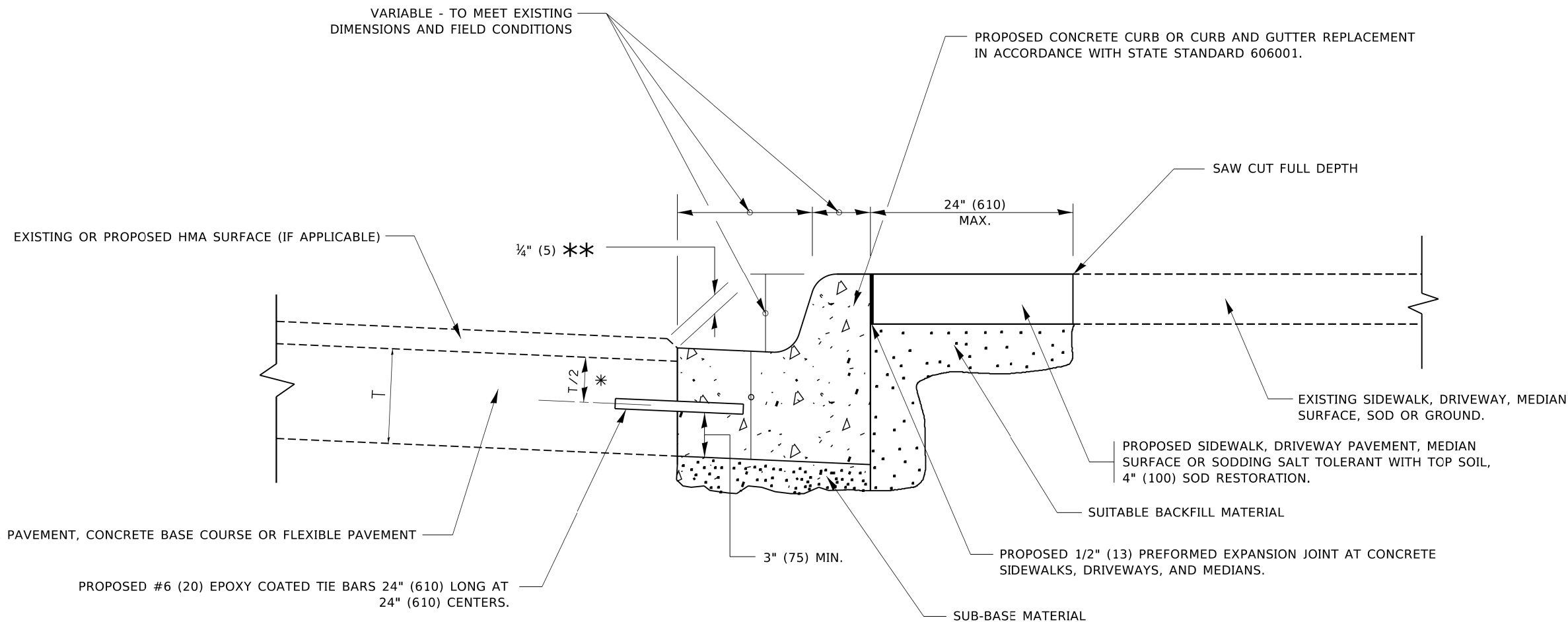
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 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.

MODEL: BD-22
FILE NAME: C:\Engineering\Illum\Projects\25001_290\BRO\BRO\PH\03_CADD\01_Sheets\2-Child\Detail\012X09-BD-22-ILL-TRANS.DGN

	USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 09-04-07						290	2024-991-DR	COOK	464	356
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	PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		ILLINOIS FED. AID PROJECT 6W/LW(875)								
							SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	



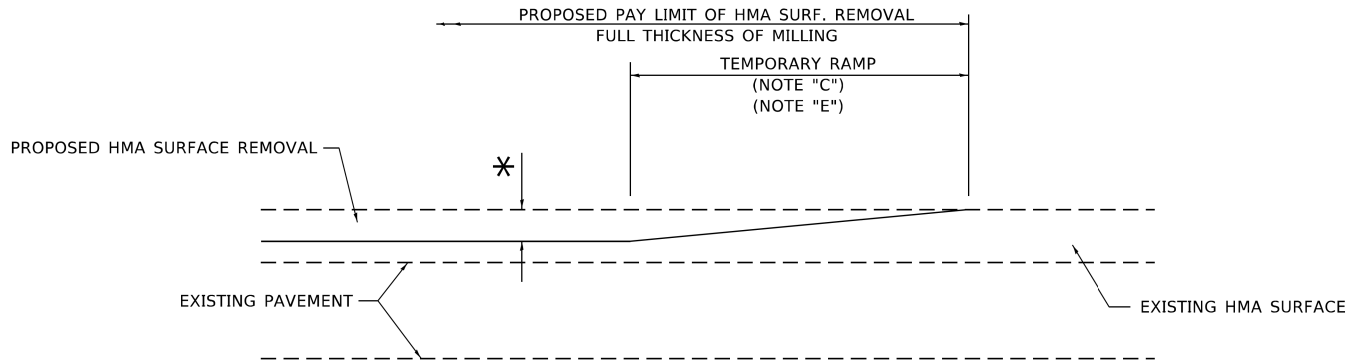
- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

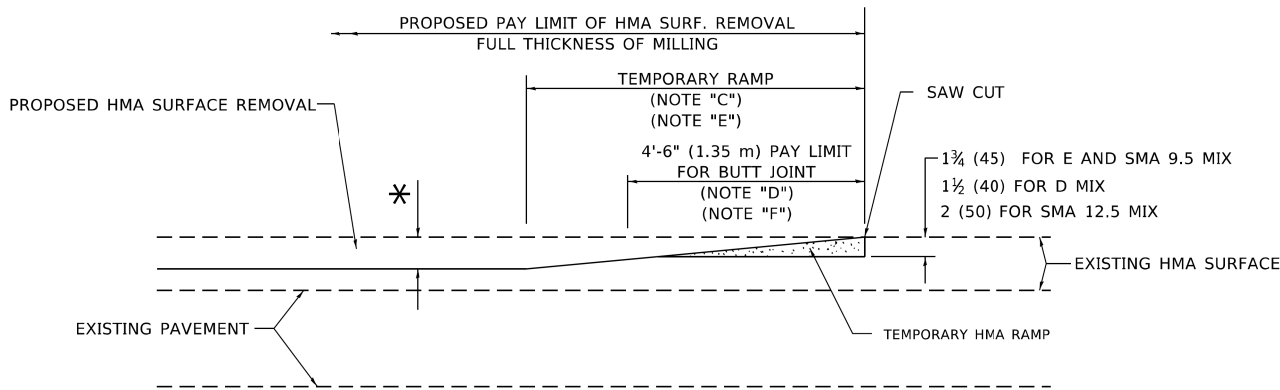
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	USER NAME = [footem]	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - M. GOMEZ 01-22-01					290	2024-991-DR	COOK	464	357
	PLOT SCALE = 50.0000' / 1".	CHECKED -	REVISED - R. BORO 12-15-09		BD600-06 (BD-24)			CONTRACT NO. 62X09				
	PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT 6W/LW(875)		



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

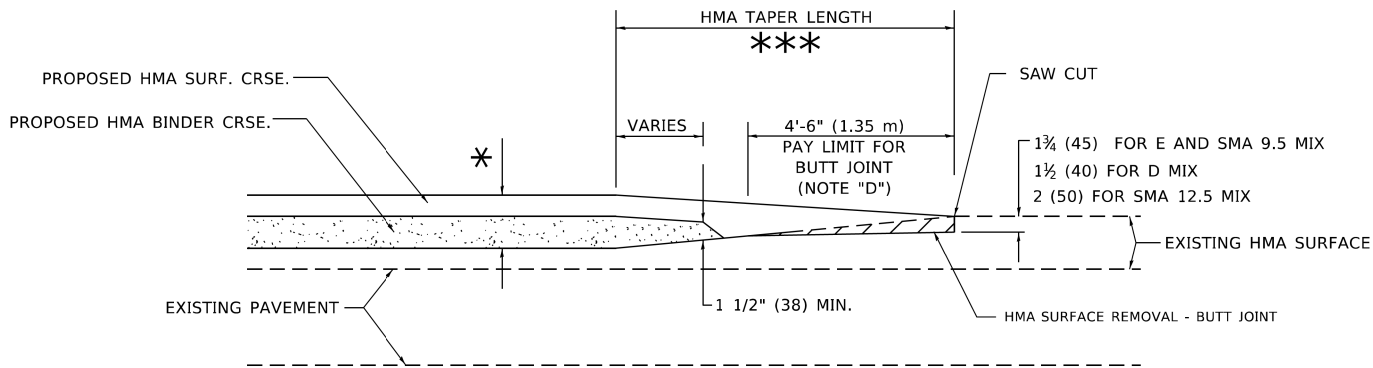
OPTION 1



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

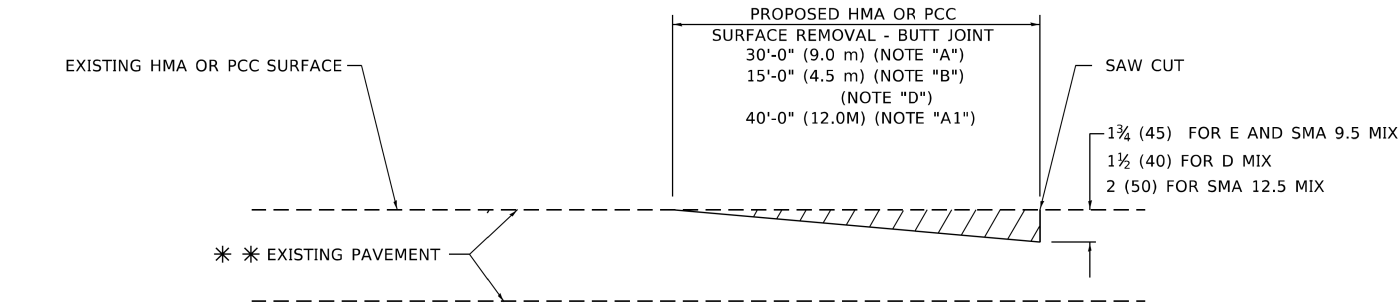
OPTION 2

TYPICAL TEMPORARY RAMP

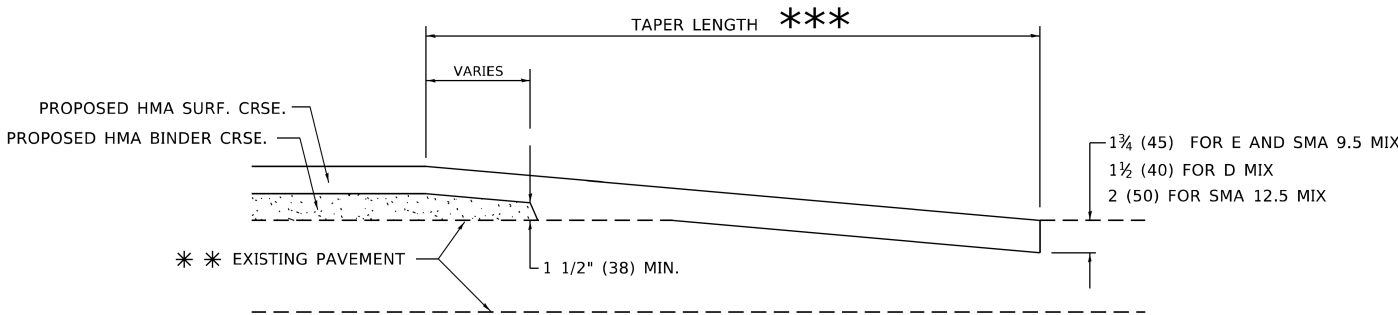


**BUTT JOINT AND
HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



BUTT JOINT DETAIL



HMA TAPER DETAIL

**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

****** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

- MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- INTERSTATES
- MINOR SIDE ROADS.
- THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
***** SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
******* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

MODEL: BD-32
FILE NAME: C:\Engineering\Users\pdesa\25001_1290 FRS PH\03_CADD\01_Sheets\2-ButtJointDetail\BD-32-ButtJointDetail.dgn

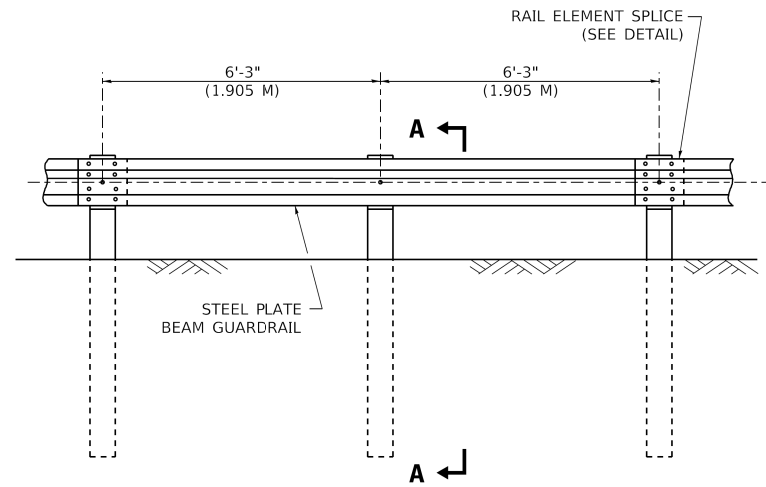
USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

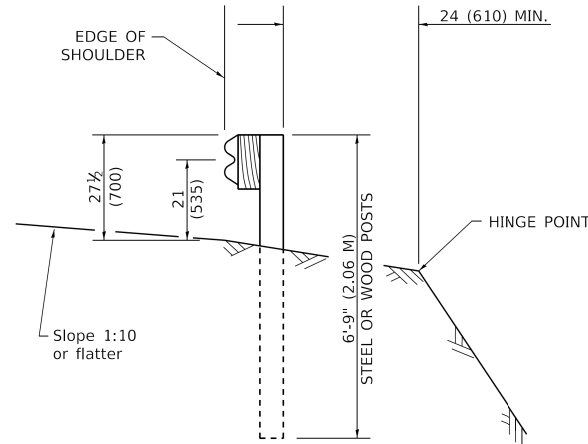
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	358
BD400-05 BD-32		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6W/LW(875)		



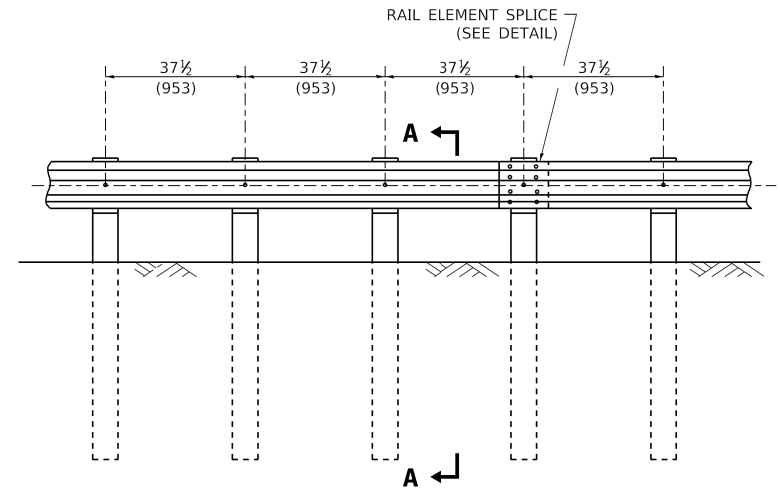
ELEVATION

TYPE A

6'-3" (1.905 M) TYPICAL POST SPACING



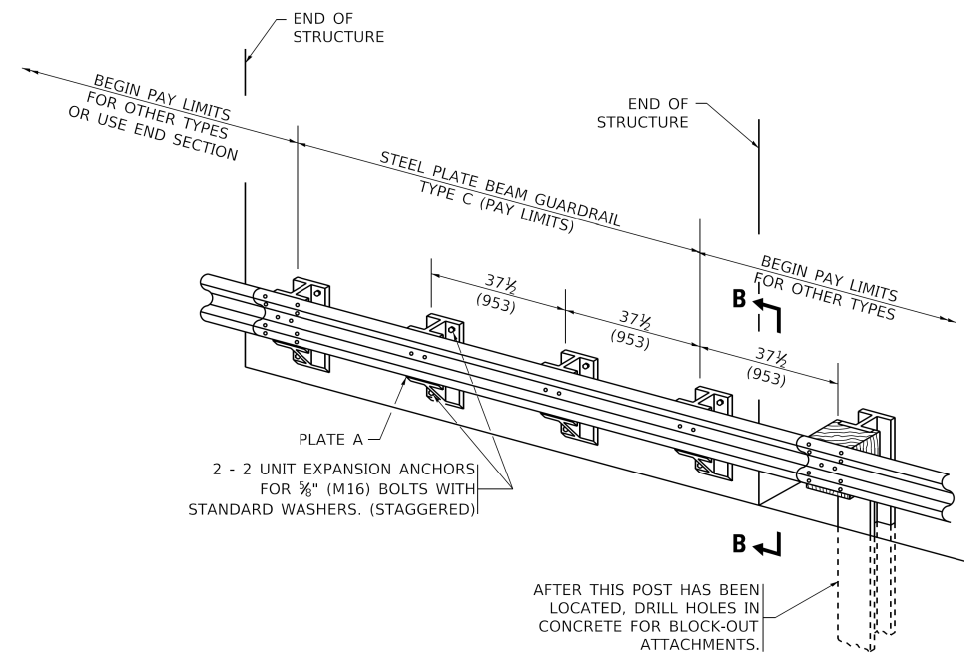
SECTION A-A



ELEVATION

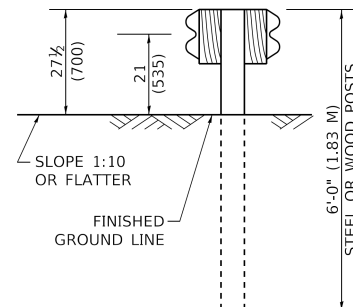
TYPE A

37 1/2 (953) CLOSED POST SPACING

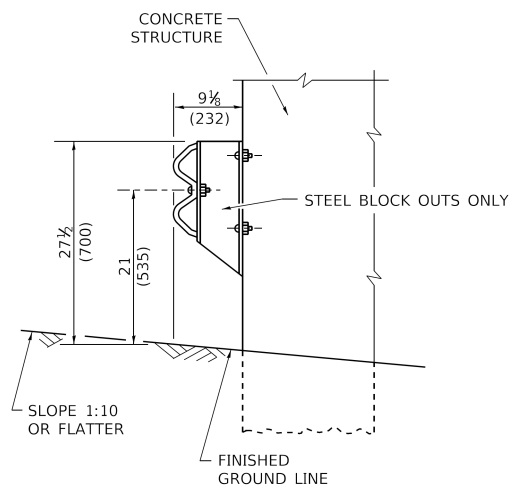


TYPE C

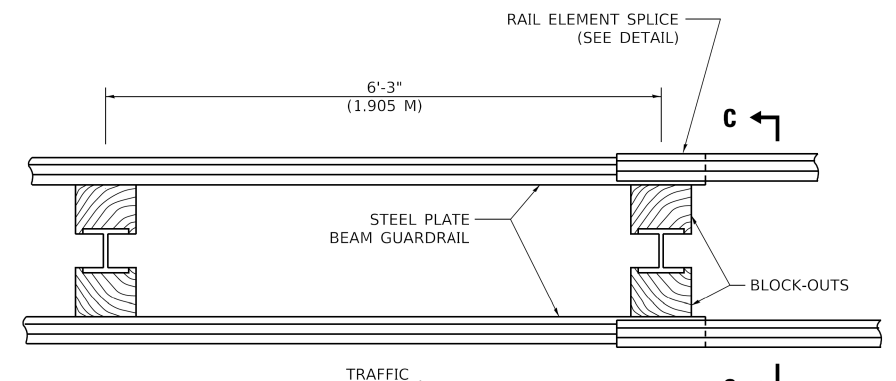
37 1/2 (953) BLOCK-OUT SPACING



SECTION C-C



SECTION B-B



PLAN

TYPE D

DOUBLE STEEL PLATE BEAM GUARDRAIL
6'-3" (1.905 M) TYPICAL POST SPACING

GENERAL NOTES

ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

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

THE EXISTING STEEL POSTS MAY BE DRILLED TO MATCH THE BOLT PATTERN SHOWN HEREIN FOR THE WOOD BLOCK-OUT, OR A NEW STEEL POST SHALL BE PROVIDED.

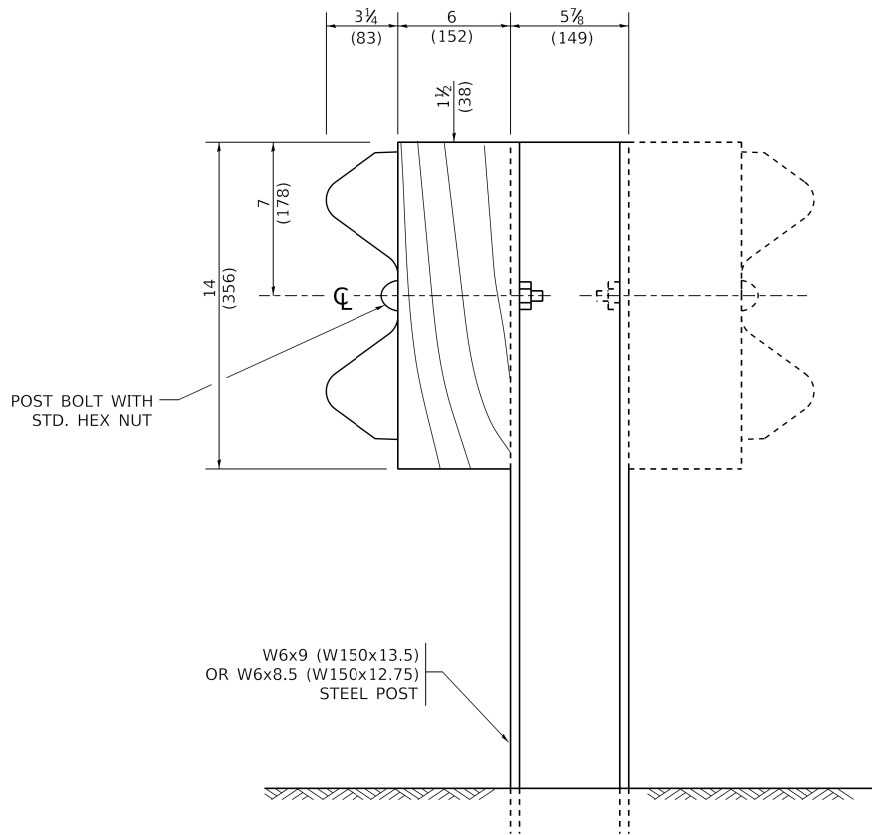
THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

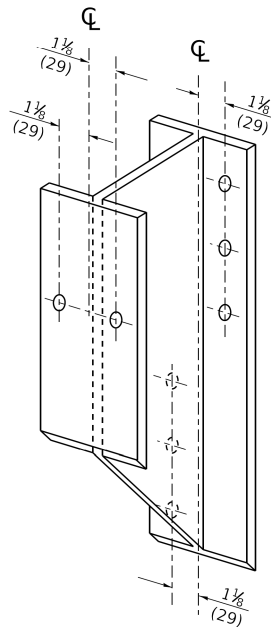
REMOVE AND REERECT
STEEL PLATE BEAM GUARDRAIL

SCALE: NONE SHEET 1 OF 4 SHEETS STA. TO STA.

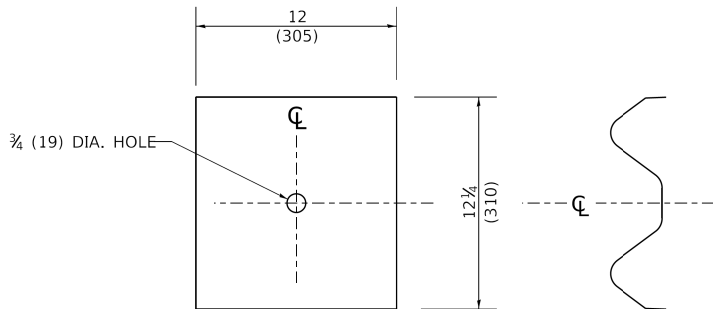
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	359
BM-21		CONTRACT NO. 62X09		
	ILLINOIS	FED. AID PROJECT 6W/LW(875)		



STEEL POST CONSTRUCTION



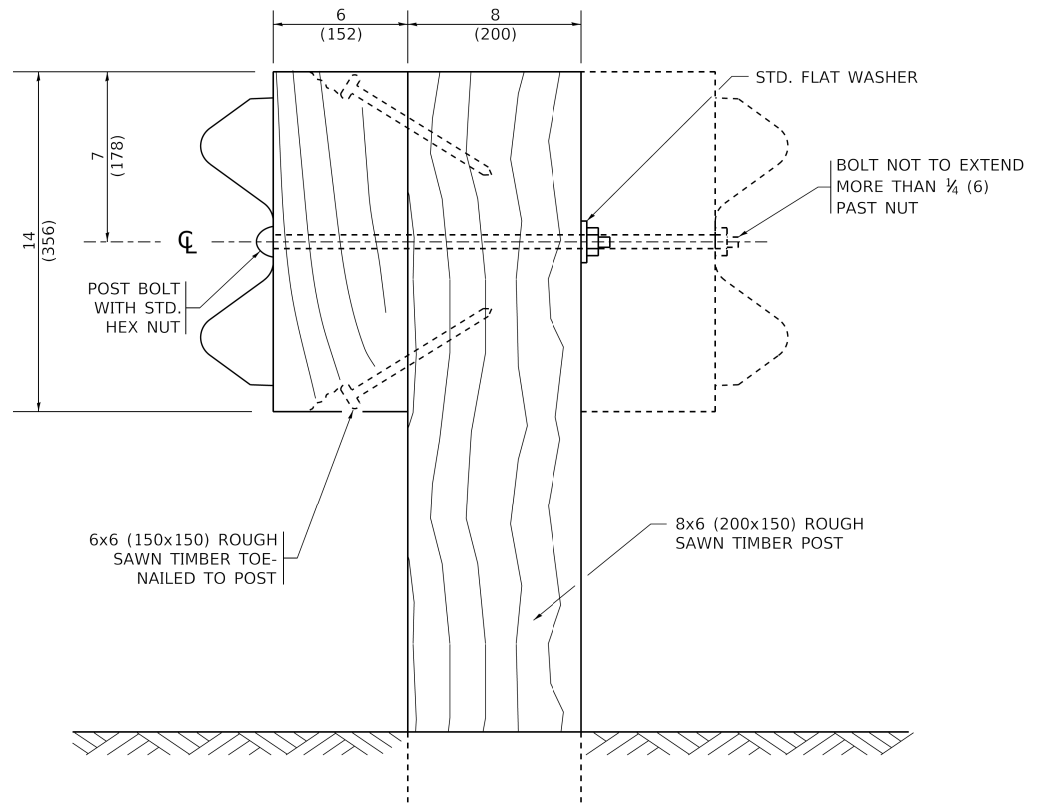
STEEL BLOCK-OUT DETAIL



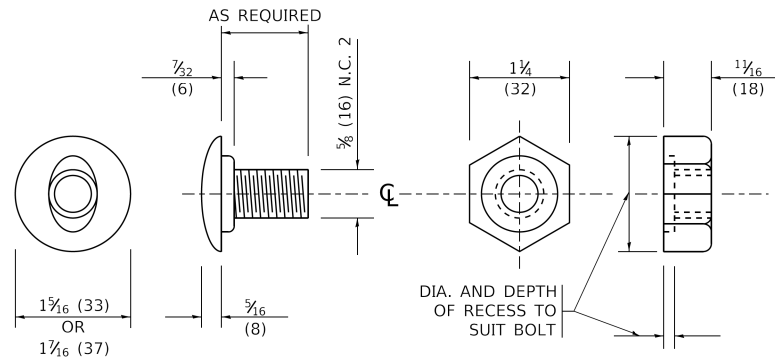
NOTE:

PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

PLATE A



WOOD POST CONSTRUCTION



POST OR SPLICE BOLT & NUT

MODEL: BM-21.dgn
FILE NAME: C:\Engineering\Iowa\Roads\25001_1290.FRS PH\03_CADD\01_Sheets\2-Child\Detail\012X09-Belt-Click-unarcs.dgn

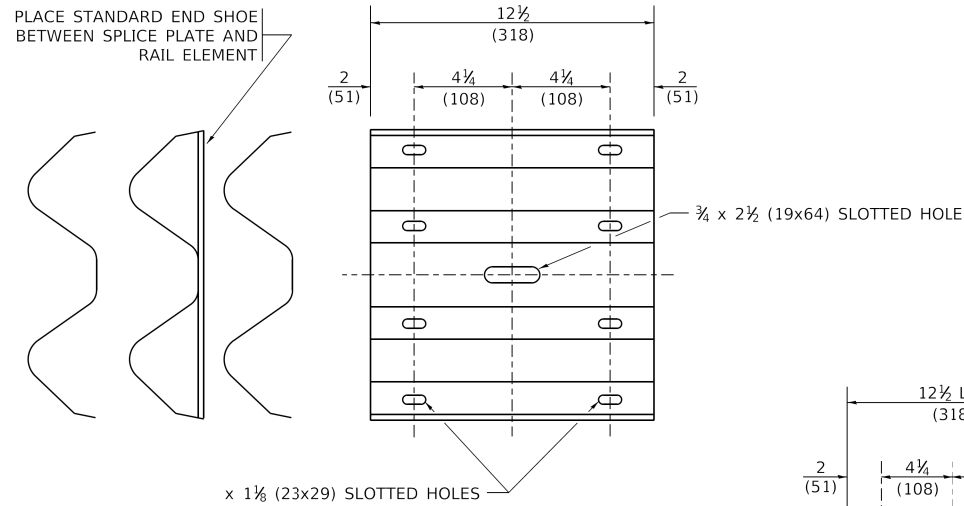
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	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/11/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

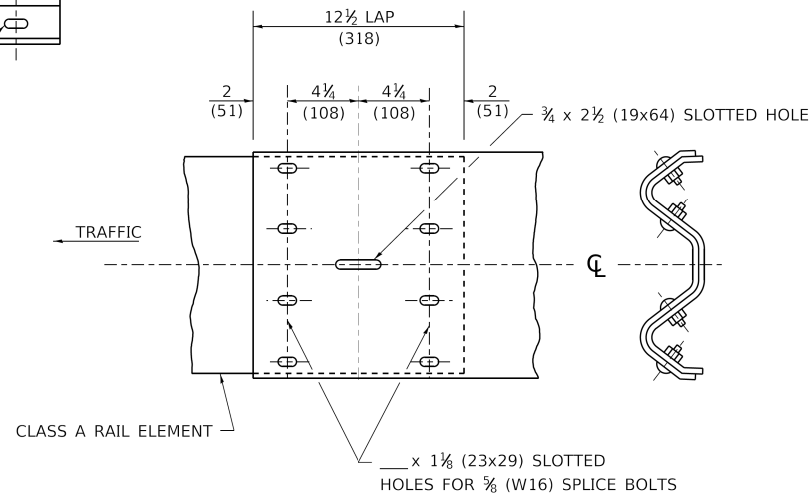
REMOVE AND REERECT
STEEL PLATE BEAM GUARDRAIL

SCALE: NONE SHEET 2 OF 4 SHEETS STA. TO STA.

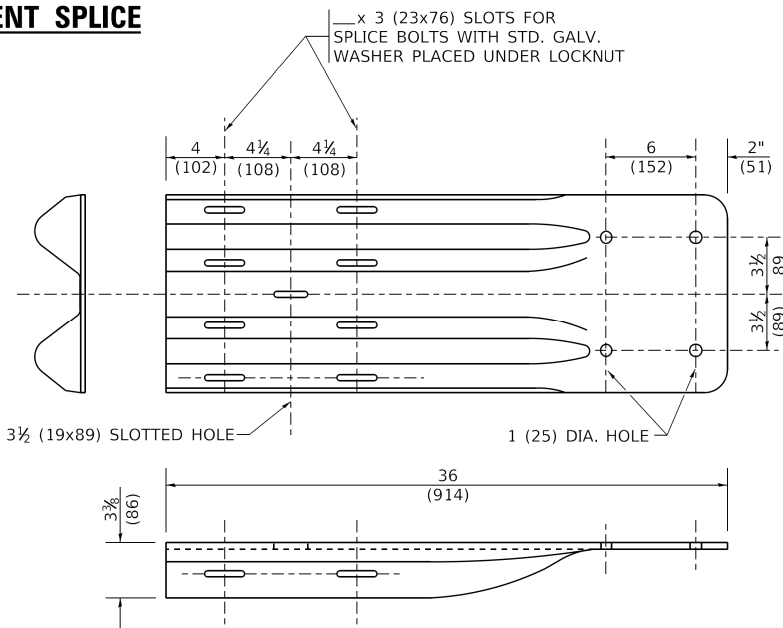
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	360
BM-21		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6W/LW(875)		



SPLICE PLATE



RAIL ELEMENT SPLICE



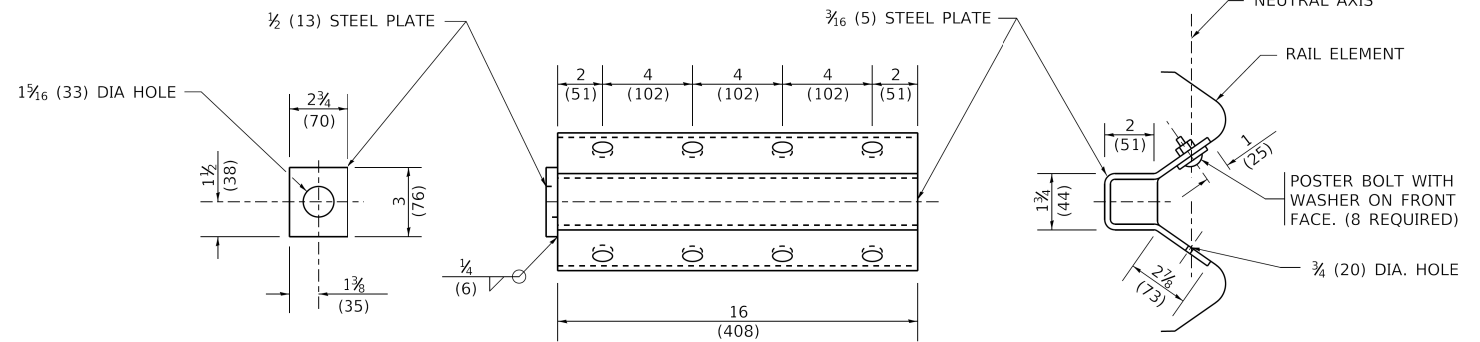
END SHOE

NOTE:

WHEN END SHOE IS ATTACHED TO A BRIDGE PARAPET WHICH HAS AN EXPANSION JOINT, THE BOLTS SHALL BE PROVIDED WITH A LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW GUARDRAIL MOVEMENT.

THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

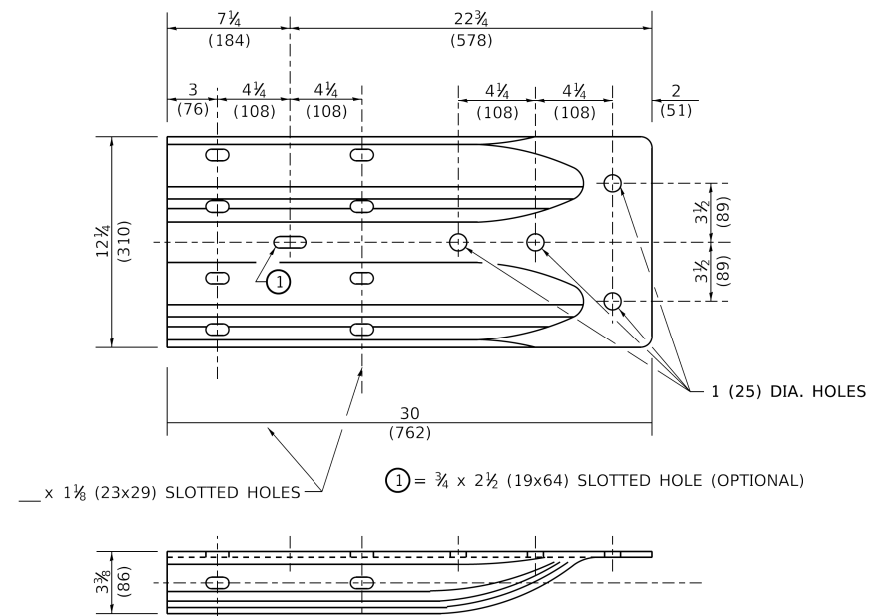
EXTERNALLY THREADED STUDS PROTRUDING FROM THE SURFACE OF THE CONCRETE WILL NOT BE PERMITTED.



NOTE:

ANCHOR PLATE T SHALL BE USED TO ATTACH CABLE ASSEMBLY TO GUARDRAIL WHEN REQUIRED ON TRAFFIC BARRIER TERMINALS.

ANCHORE PLATE T DETAILS



ALTERNATE END SHOE

END SECTION

MODEL: BM-21
FILE NAME: C:\Engineering\Uwe\p02as\25001_1290-FBS PH\03_CADD\01_Sheets\2-Childer\Draw\01012X09-BM-21-EndSection.dgn

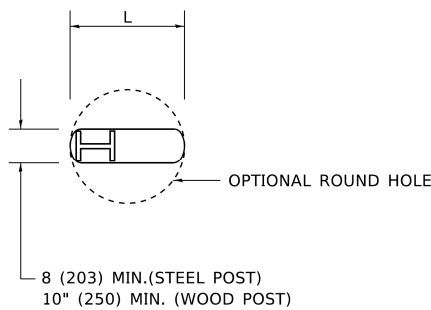
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	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/11/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

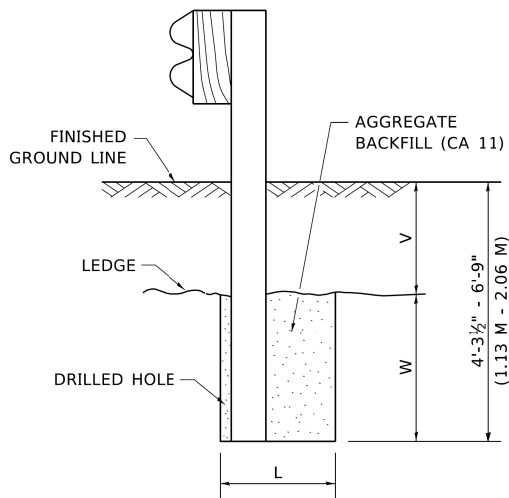
REMOVE AND REERECT
STEEL PLATE BEAM GUARDRAIL

SCALE: NONE SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	361
BM-21		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6W/LW(875)		



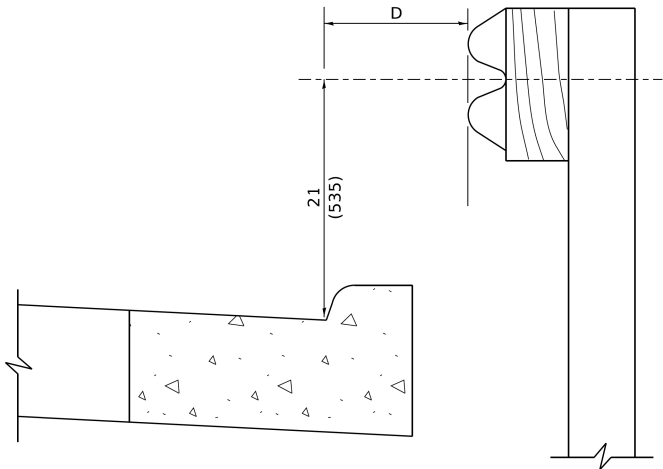
PLAN



NOTE:
LEDGE LINE IS TOP OF ROCK
LEDGE OR HARD SLAG FILL.

ELEVATION

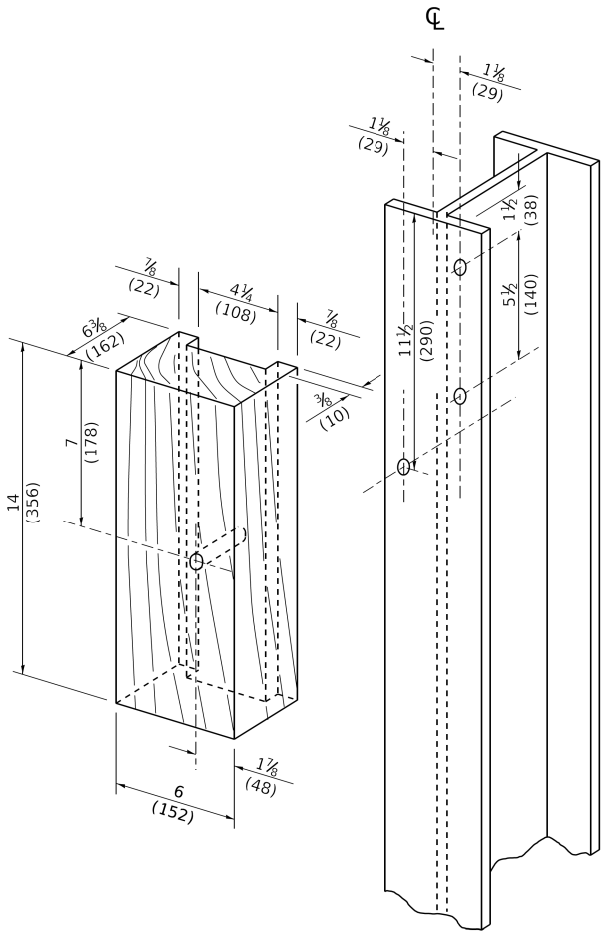
**FOOTING FOR POST WHEN IMPERVIOUS
MATERIAL IS ENCOUNTERED**



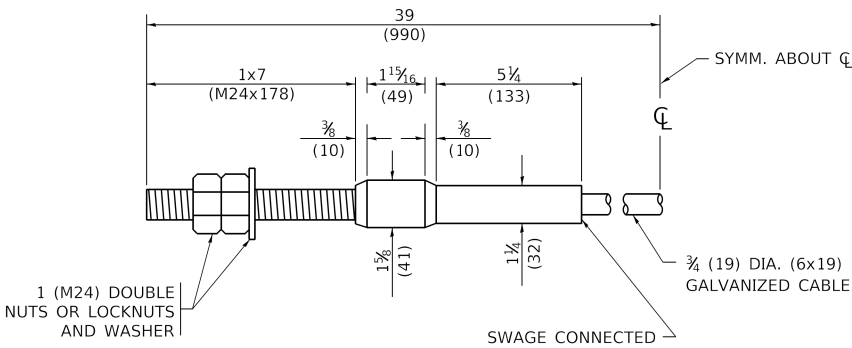
NOTE:
IF IT IS NECESSARY FOR D TO BE MORE THAN 12 (300) AND
LESS THAN 10'-0" (3.0 M) TYPE M-2 (M-5) CURB AND GUTTER
(STD. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE
OF THE GUARDRAIL.

GUARDRAIL PLACED BEHIND CURB
(D = 0 DESIRABLE TO 12 (300) MAXIMUM)

V	W	L	
		STEEL POST	WOOD POST
0 - 18 (0 - 460)	24 (610)	21 (530)	23 (580)
>18 - 41.5 (> 460 - 825)	12 (305)	8 (203)	10 (250)
>41.5 - 53.5 (> 825 - 1.13 M)	12 - 0 (350 - 0)	8 (203)	10 (250)



**WOOD BLOCK – OUT AND
STEEL POST DETAILS**



CABLE ASSEMBLY

(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH)
TIGHTEN TO TAUT TENSION

MODEL: BM-214
FILE NAME: C:\Engineering\UwePolos\25001_1-290-FRS PH\US_CADD\01_Sheets\2-ChilderData\101E2X09-48-ft-ck-tun-arcs.dgn

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	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/11/2019	DATE -	REVISED -

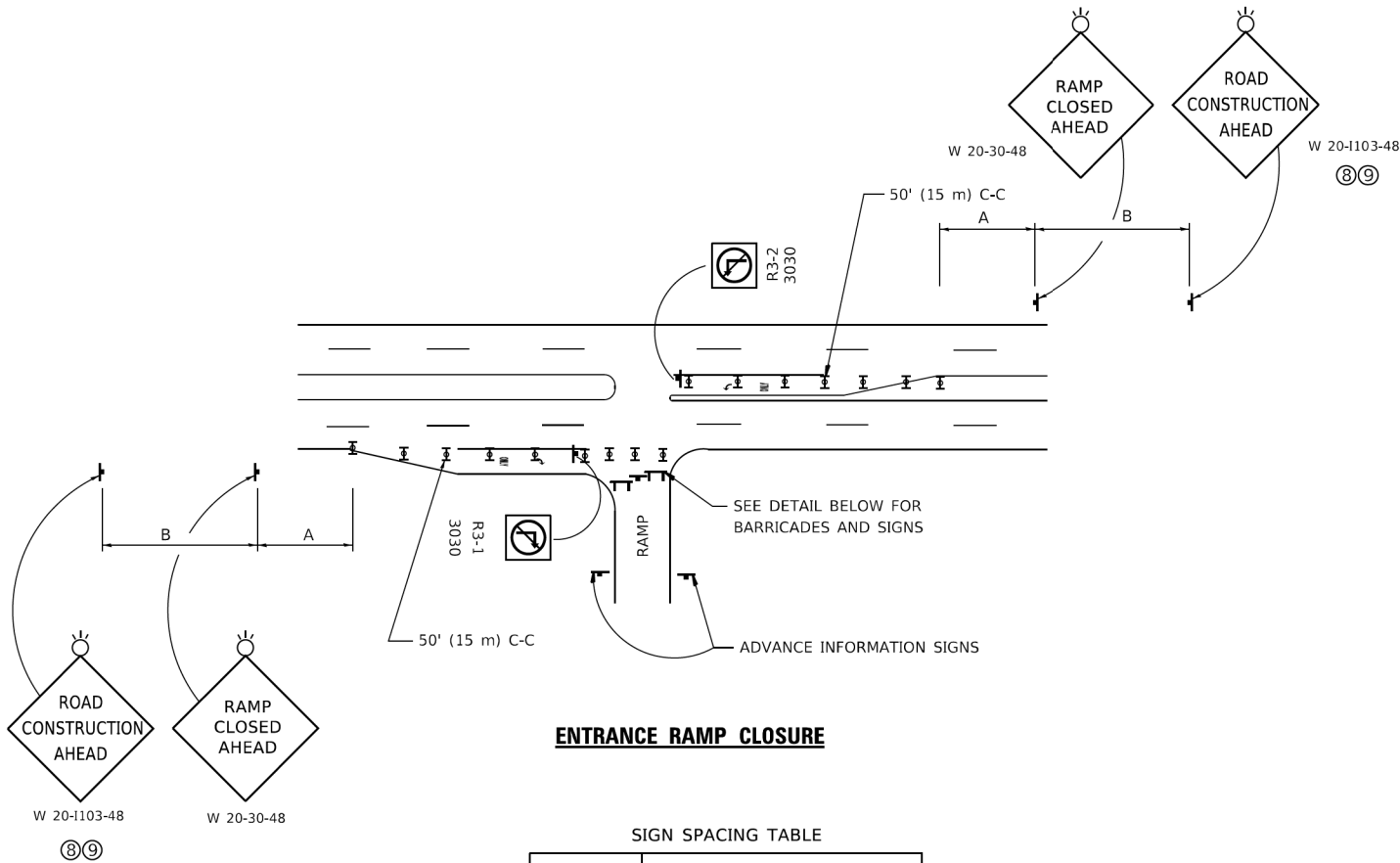
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVE AND REERECT
STEEL PLATE BEAM GUARDRAIL

SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	362
BM-21		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6W/LW(875)		

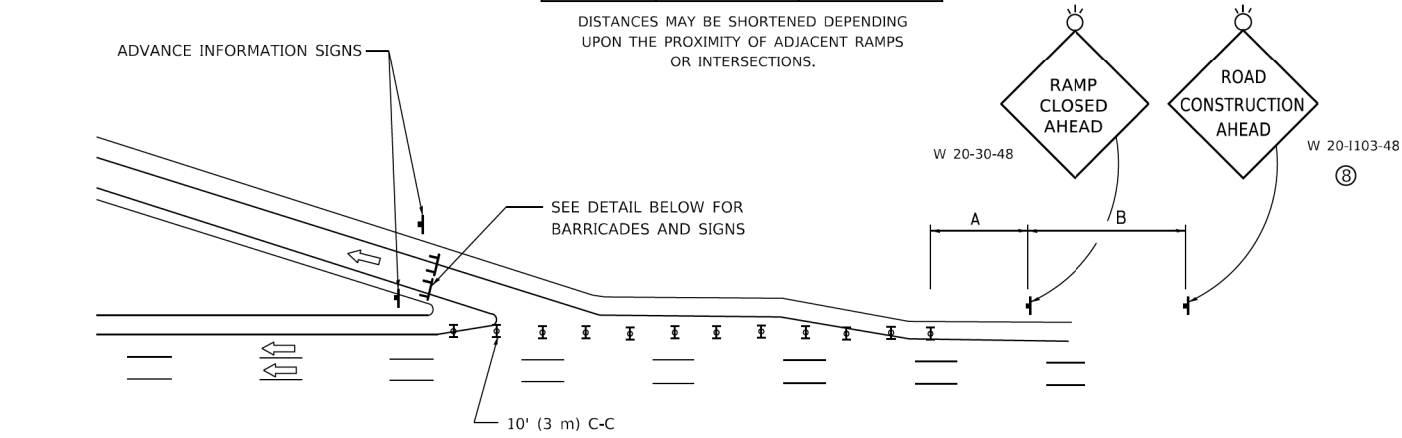
MODEL: TC-08
FILE NAME: C:\Engineering\Illum\Projects\25001_1290_FRS PH\03_CADD\01_Sheets\2-Details\Detail\EntranceRamp.dgn



ENTRANCE RAMP CLOSURE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

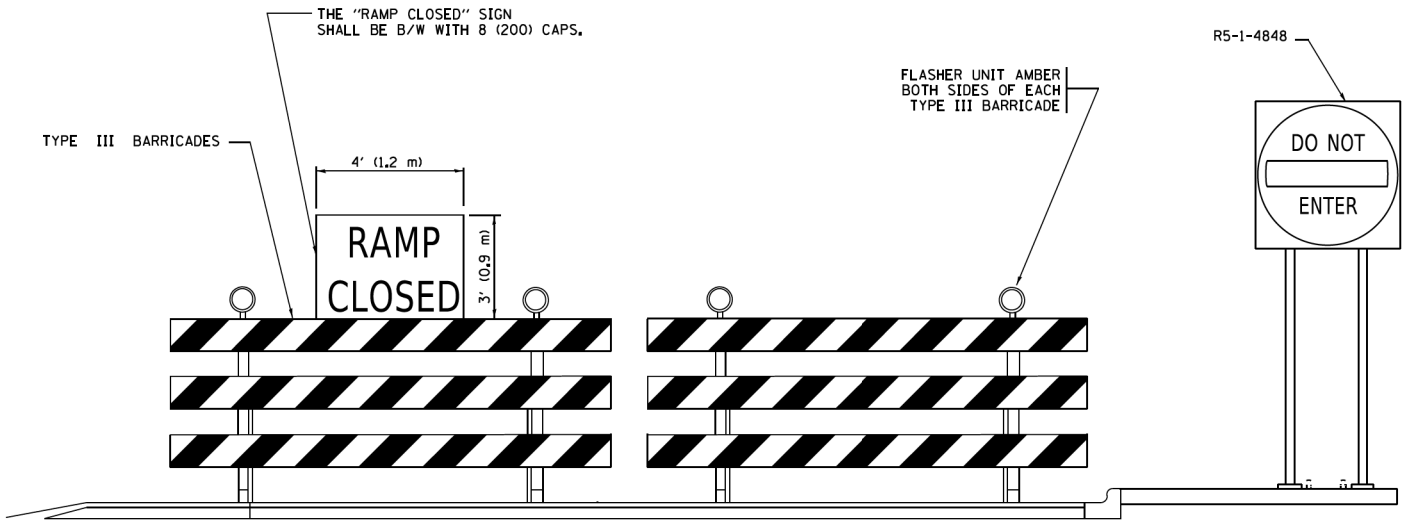
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

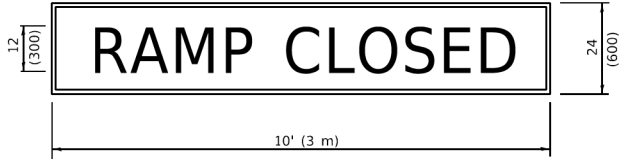
SYMBOLS

- TYPE II BARRICADE OR DRUM
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS



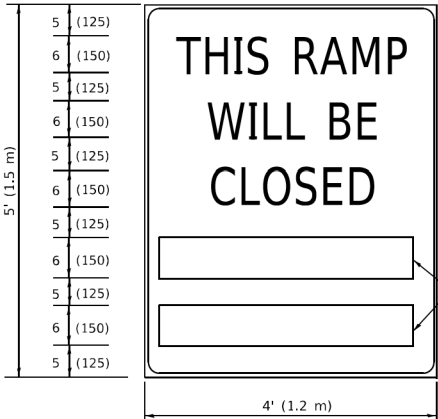
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.



BLACK LEGEND ON WHITE BACKGROUND
½ (12) BORDER
E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

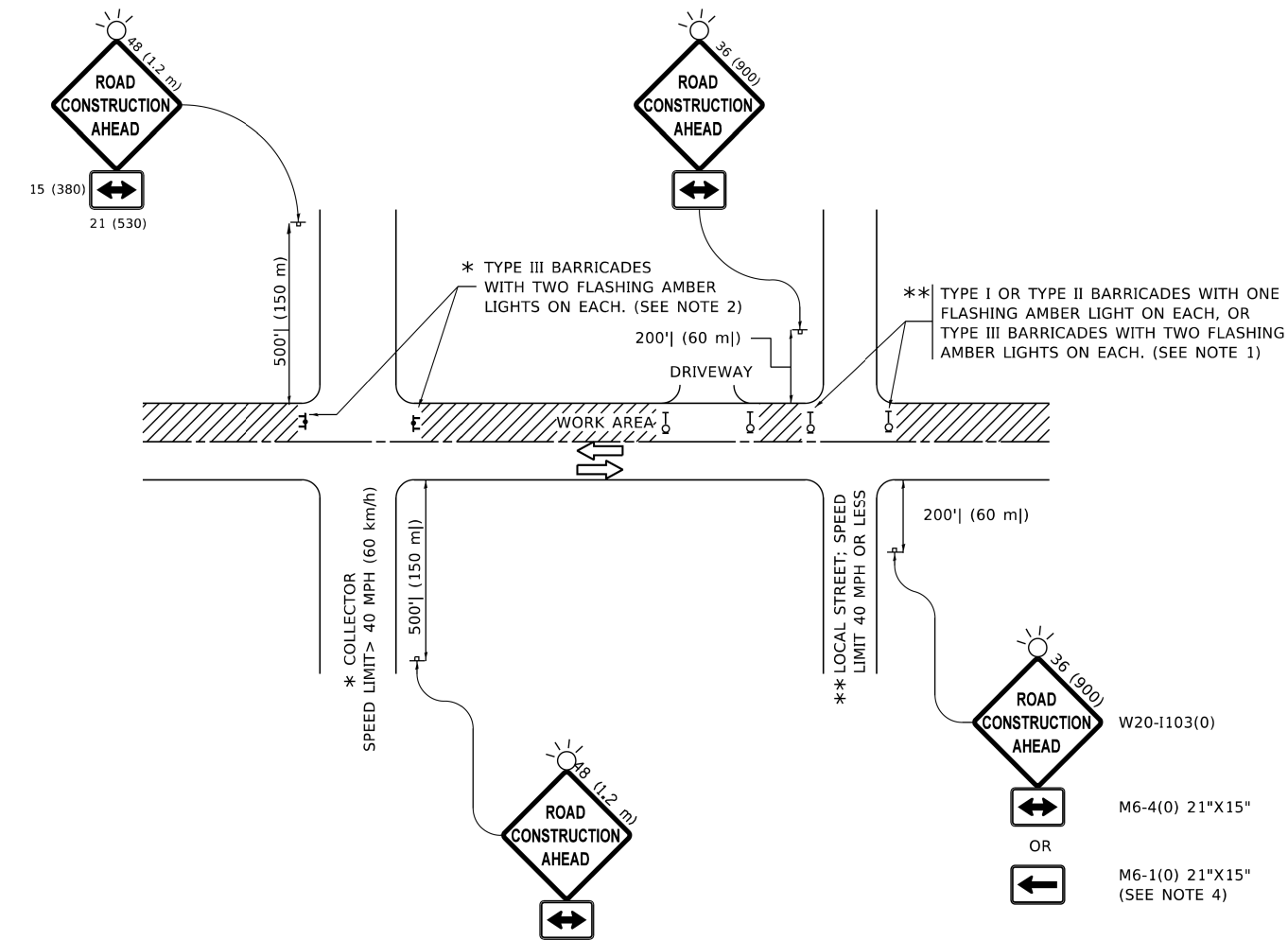
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE_AND_EXIT_RAMP
CLOSURE_DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	363
TC-08		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6W/LW(875)		

MODEL: TC-10
FILE NAME: C:\Engineering\Illum\Projects\25001_290_FRS_Ph1\03_CADD\01_Sheets\2-Child\Draw\10102500-01-01-01-01-01.dgn



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.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

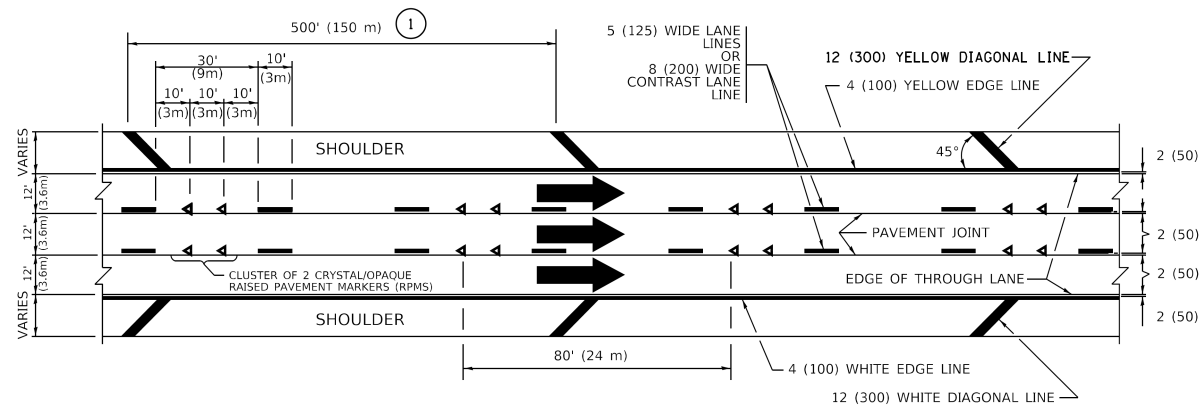
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	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

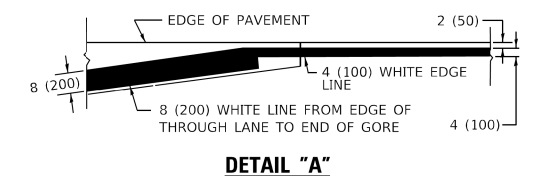
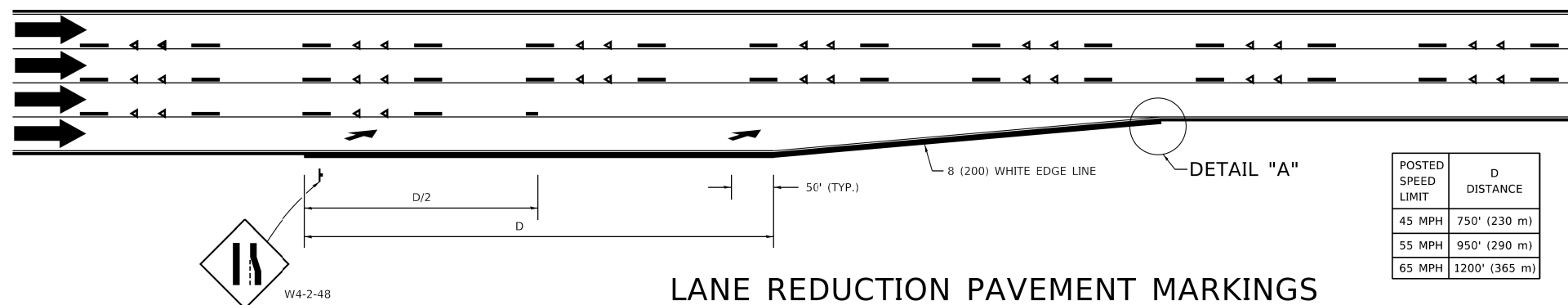
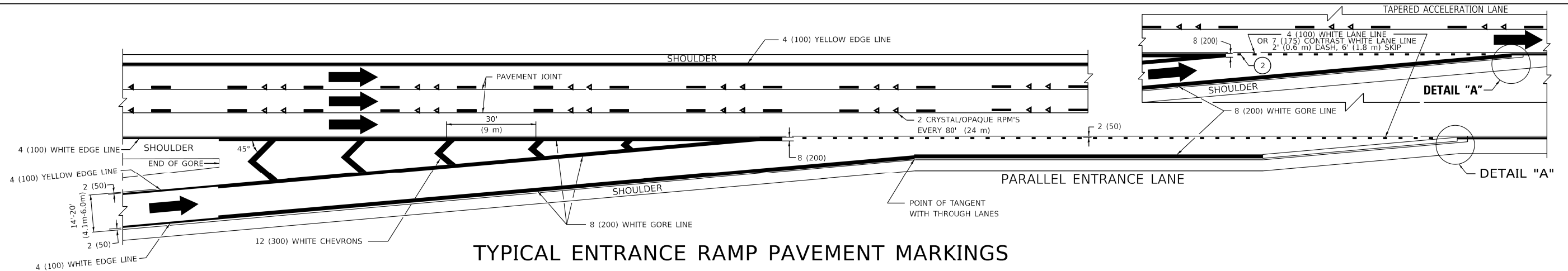
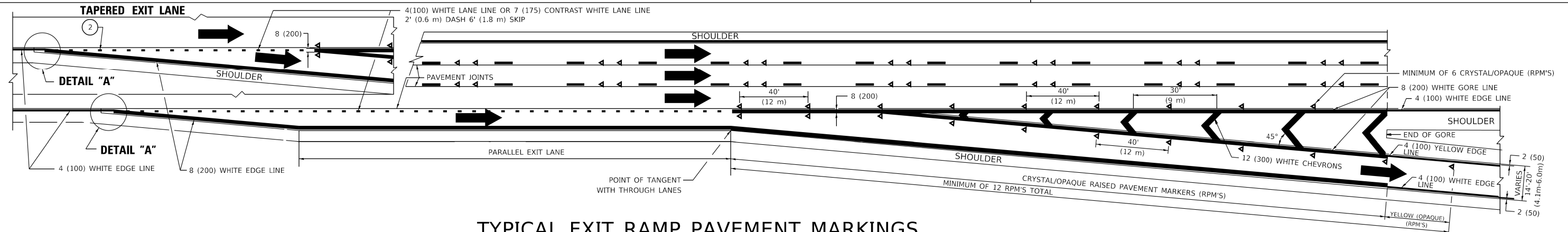
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	364
TC-10		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6WLW(875)		



- ## PAVEMENT MARKING MATERIALS

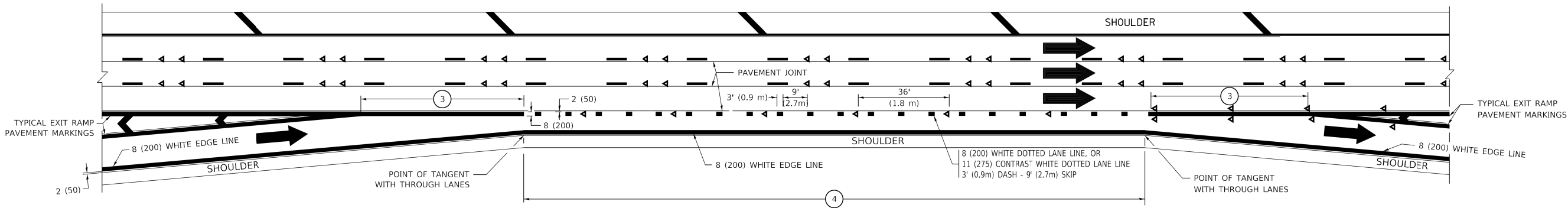
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE D, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



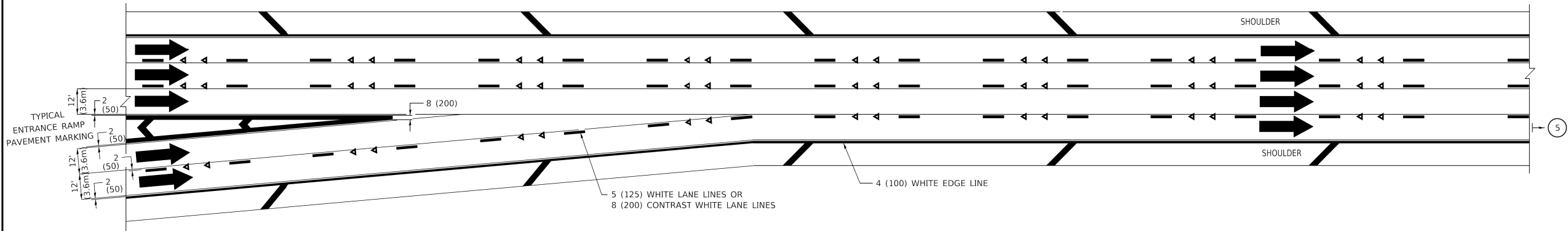
NOTES:

- 1 THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- 2 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

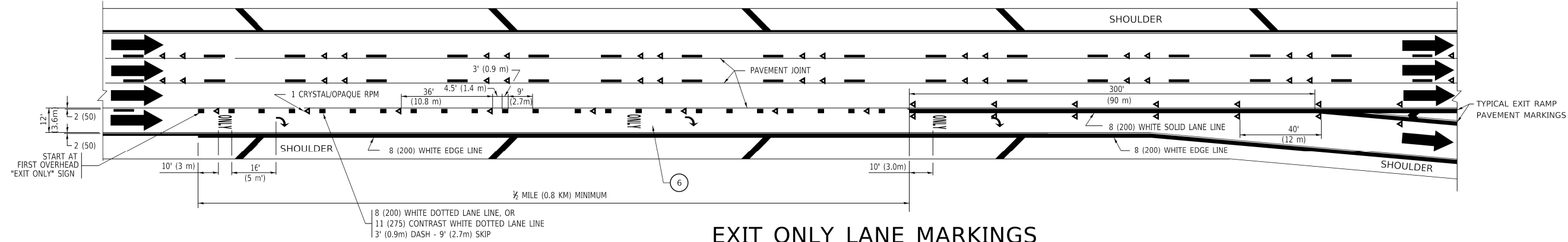
MODEL: TC-12b
FILE NAME: C:\engineering\lane\pav\62x09_1290.FRS PH\03_CADD\01_Sheets\2-4-let\Detail\62x09-4-let-ck-lane.mxd.dgn



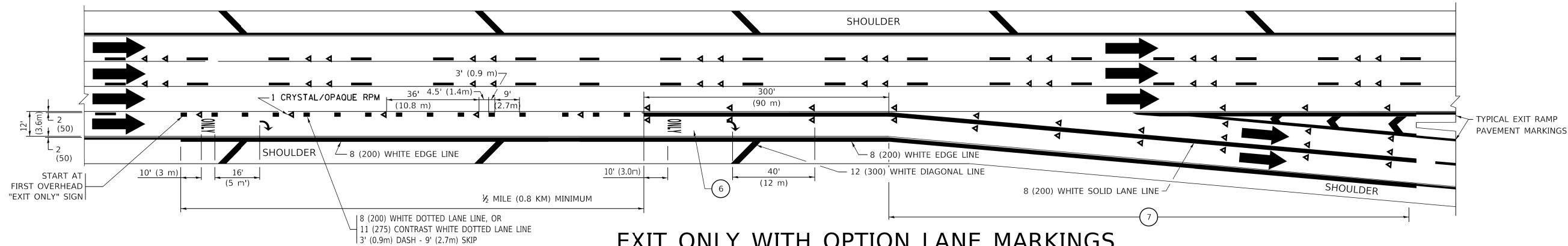
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:
- 3 OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - 4 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - 5 FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - 6 ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED..
 - 7 CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

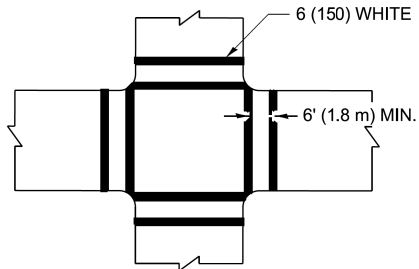
USER NAME = [footem]	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
	DRAWN -	REVISED - S.P.B. 01-07
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - S.P.B. 01-10
PLOT DATE = 3/4/2019	DATE - 01-90	REVISED - M.D. 09-17

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

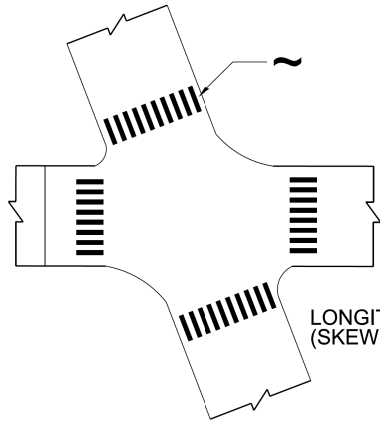
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

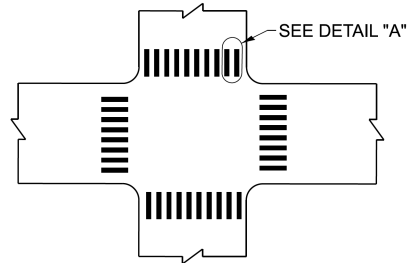
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	366
CONTRACT NO. 62X09				
ILLINOIS FED.AID PROJECT 6W/LW(875)				



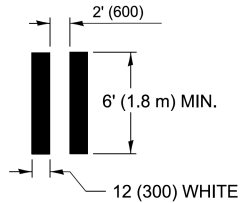
TRANSVERSE CROSSWALK



LONGITUDINAL CROSSWALK
(SKEWED INTERSECTION)



LONGITUDINAL CROSSWALK

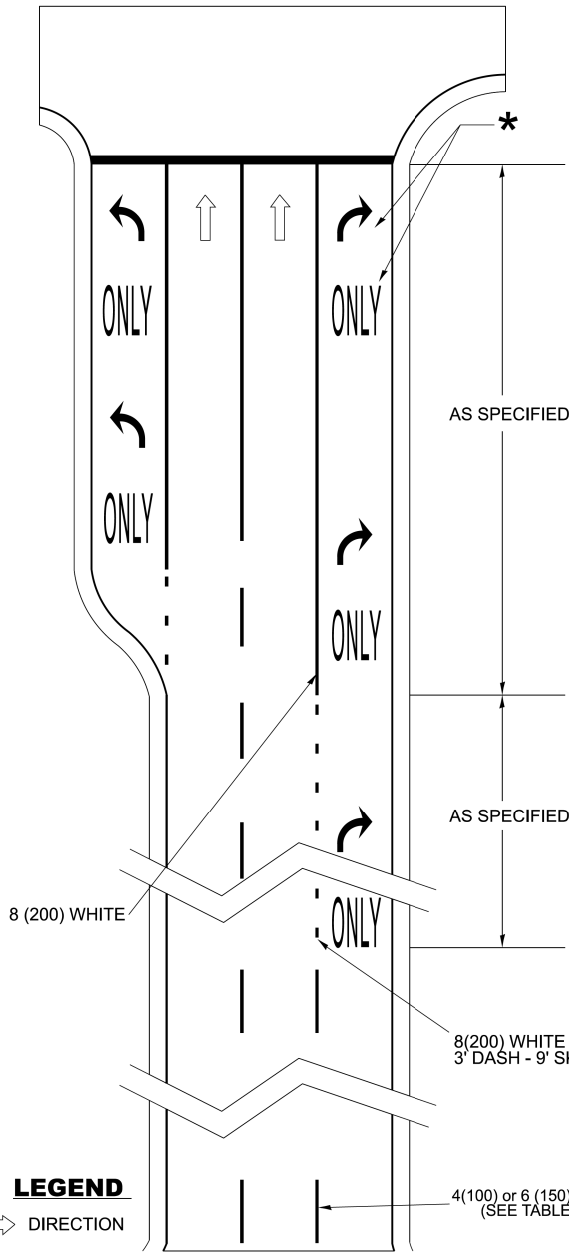


DETAIL "A"

TYPICAL CROSSWALK MARKING

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

~ THE INDIVIDUAL LONGITUDINAL ELEMENTS OF A LONGITUDINAL BAR CROSSWALK SHOULD BE ANGLED SUCH THAT THEY ARE PARALLEL TO THE TRAVEL PATH OF APPROACHING TRAFFIC



LEGEND

→ DIRECTION

AS SPECIFIED

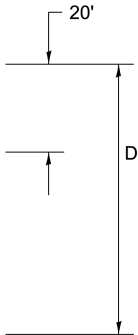
AS SPECIFIED

8 (200) WHITE

8(200) WHITE LINE
3" DASH - 9' SKIP

4(100) or 6 (150) WHITE LANE LINE
(SEE TABLE FOR DETAILS)

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



**LANE REDUCTION
TRANSITION**

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

ARTERIAL ROAD LANE-DROP MARKINGS

* FOLLOW TYPICAL TURN LANE MARKINGS FOR PLACEMENT AND SIZE DETAILS OF 'ARROW' AND 'ONLY' MARKINGS IN THE TURN LANE.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES FOR SPEED LIMIT <= 45 MPH LANE LINES FOR SPEED LIMIT > 45 MPH	4 (100) 6 (150)	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (TYPICAL FOR EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS, EXCEPT AT LANE-DROP MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (0.60m) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
TRANSVERSE CROSSWALK LONGITUDINAL BARS CROSSWALK	2 @ 6 (150) 12 (300) @ 90°	SOLID SOLID	WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART AND PARALLEL TO TRAFFIC FLOW SEE TYPICAL CROSSWALK MARKING DETAIL 'A'.
STOP LINES	24 (600)	SOLID	WHITE	PLACE MINIMUM 4' (1.2 m) IN ADVANCE OF CROSSWALK IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. NO MORE THAN 30' (9.1 m) OR LESS THAN 4' (1.2 m) FROM NEAREST EDGE OF INTERSECTING TRAVELED WAY.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001, TC 23 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF
ARTERIAL LANE-DROP MARKINGS DOTTED LINES FOR LANE-DROP TURN LANE MARKINGS	8 (200) 8 (200)	SKIP - DASH SOLID	WHITE WHITE	3' (0.91 m) LINE WITH 9' (2.74 m) SPACE

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

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

MODEL TC-13b
FILE NAME: C:\Engineering\UrbanPavement\25001_1290-FRS-PH\03_CADD\01_Sheets\2-Details\Detail\2500-481r-ck-lanarcs.dgn

PLOT DATE = 6/29/2026	USER NAME = lawrence.demanche	DESIGNED - EVERS	REVISED - C. JUCIUS 07-01-13
		DRAWN -	REVISED - C. JUCIUS 12-21-15
		CHECKED -	REVISED - C. JUCIUS 04-12-16
	DATE - 03-19-90		REVISED - K. KANNAN-HOSADURGA 06-29-26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	367A
CONTRACT NO. 62X09				
ILLINOIS FED. AID PROJECT 6W/LW(875)				

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

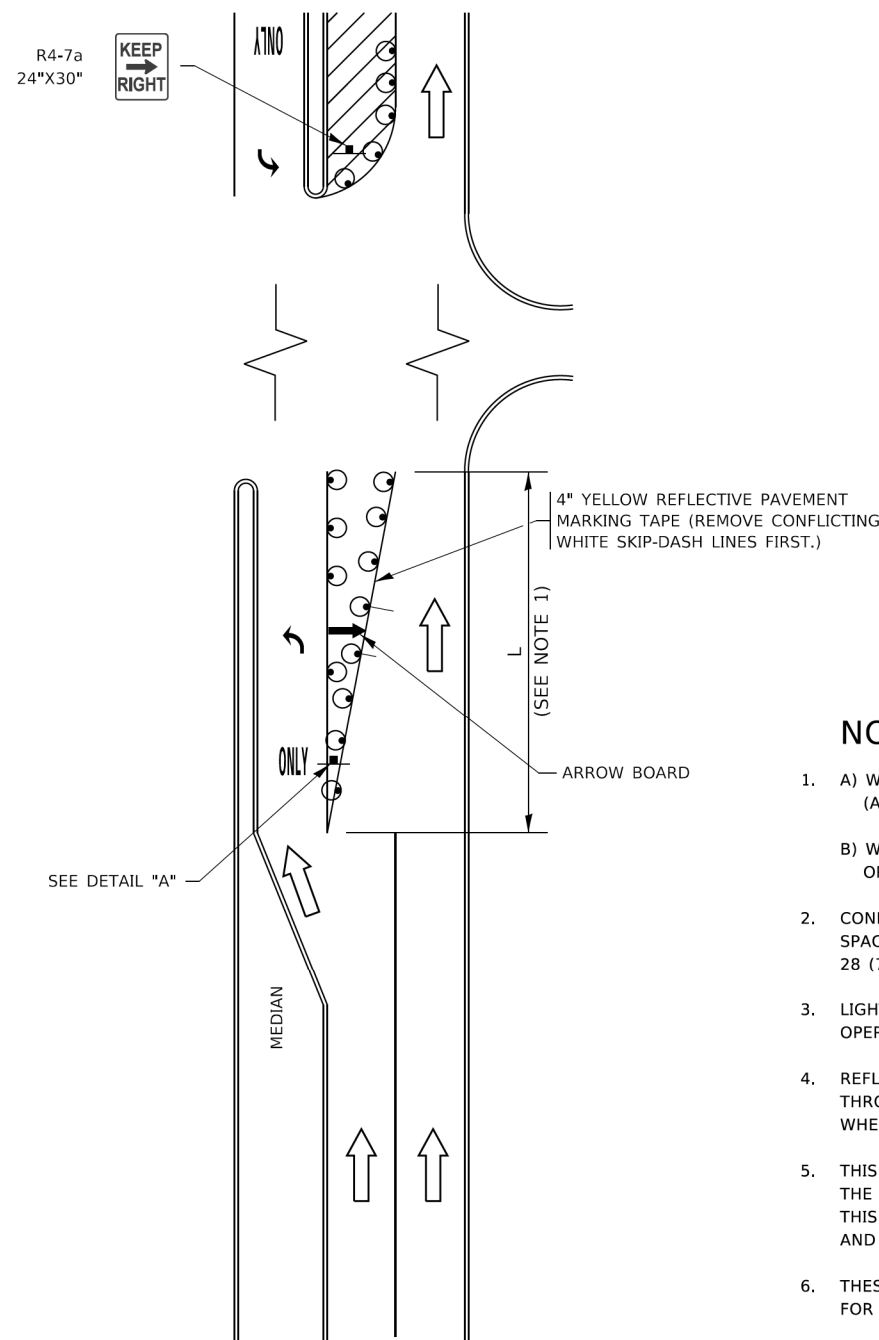


FIGURE 1

LEGEND

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

NOTES:

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

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

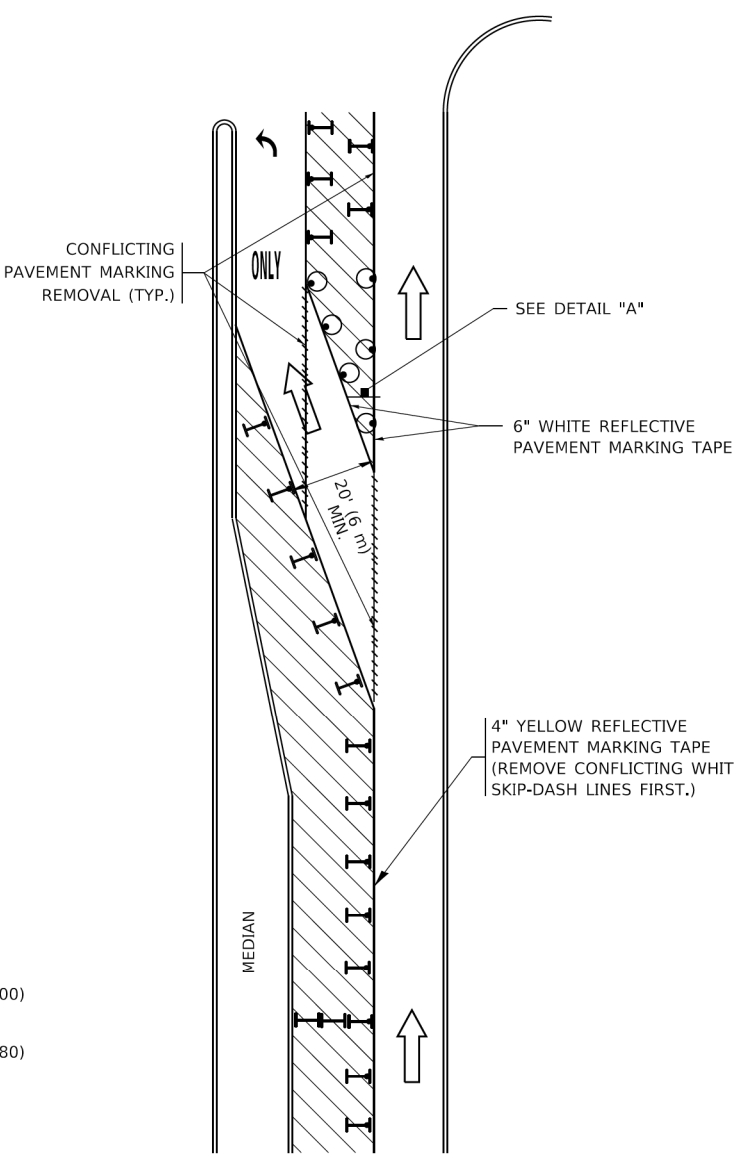
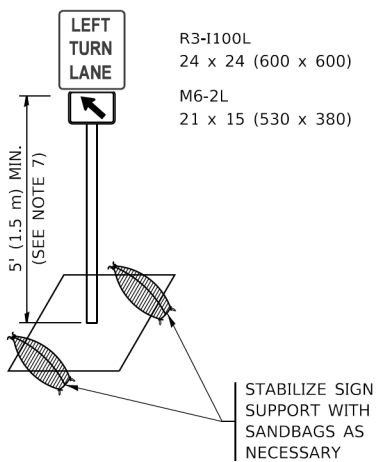


FIGURE 2



DETAIL A

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

USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	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 -

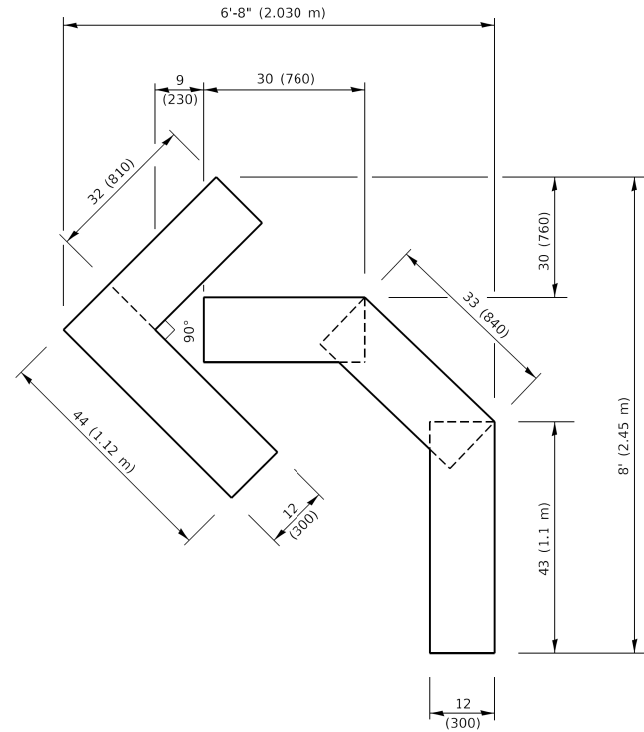
DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

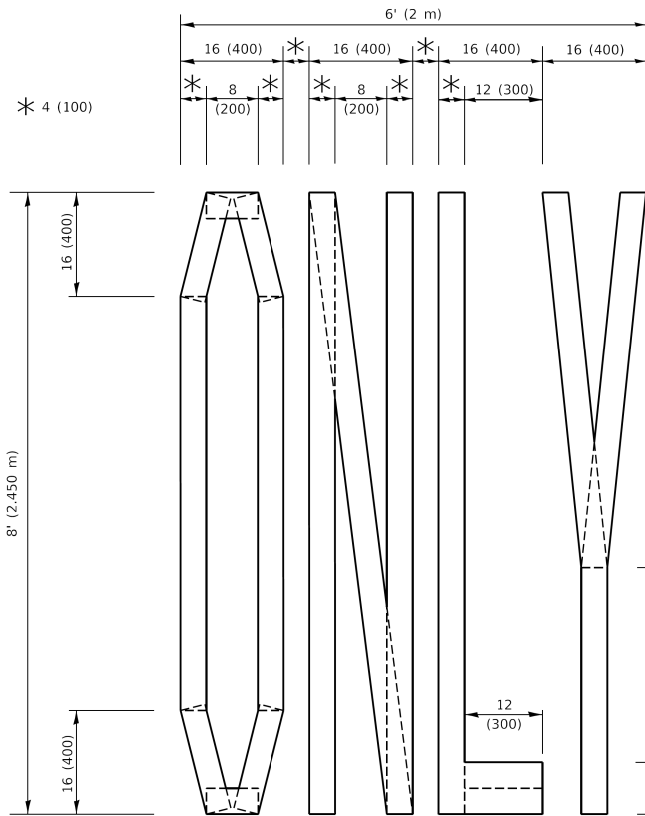
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	368
TC-14		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6W/LW(875)		



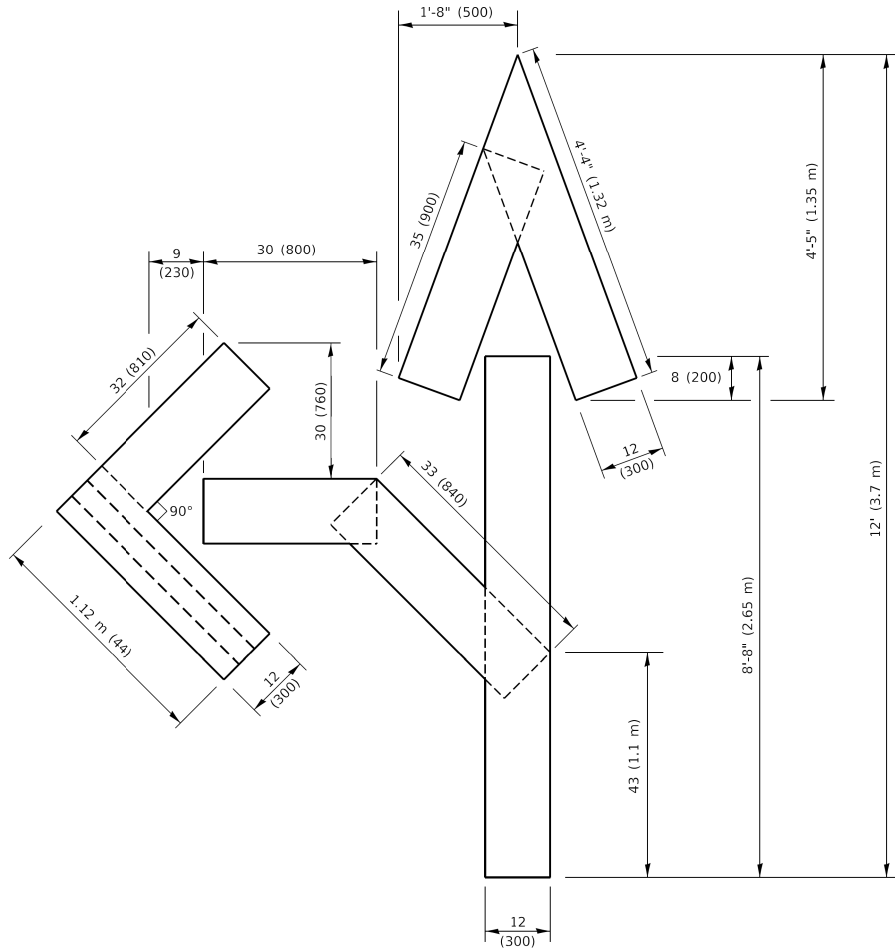
QUANTITY

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



QUANTITY

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

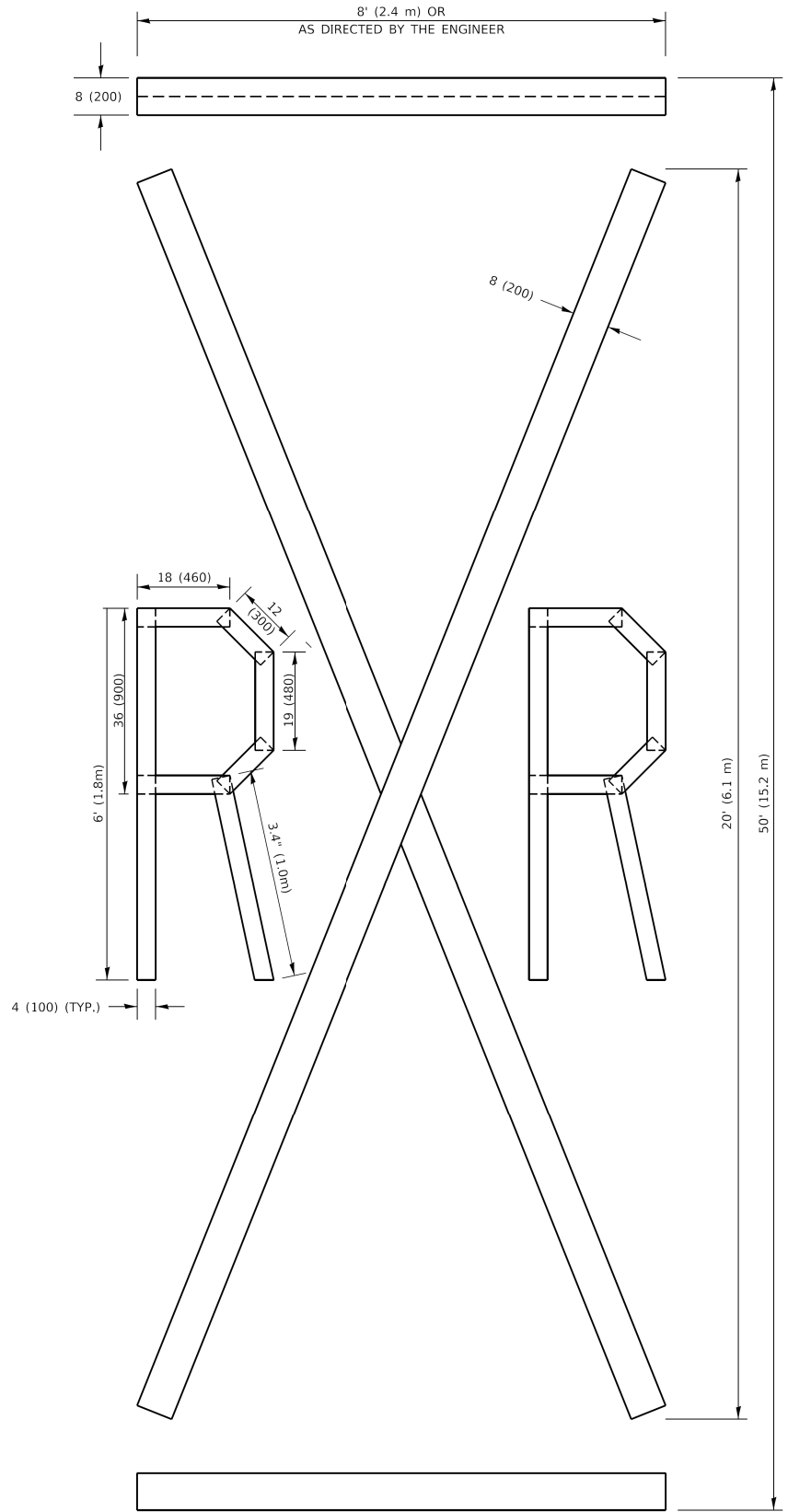


QUANTITY

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

NOTE:

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



QUANTITY

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

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

MODEL: TC-16
FILE NAME: C:\Engineering\Users\pjohns\25001_290-FRS PH\03_CADD\01_Sheets\2-Child\Draw\10162X09-6letter-ctunars.dgn

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	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

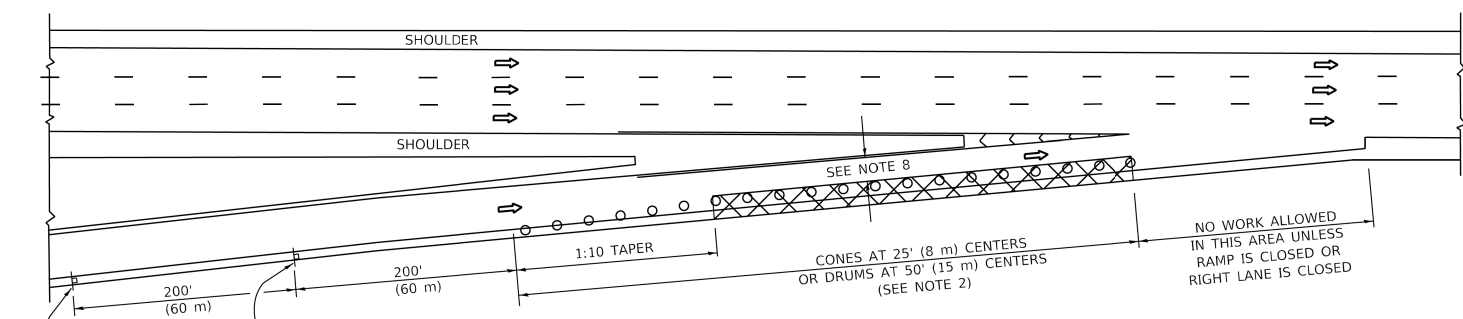
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

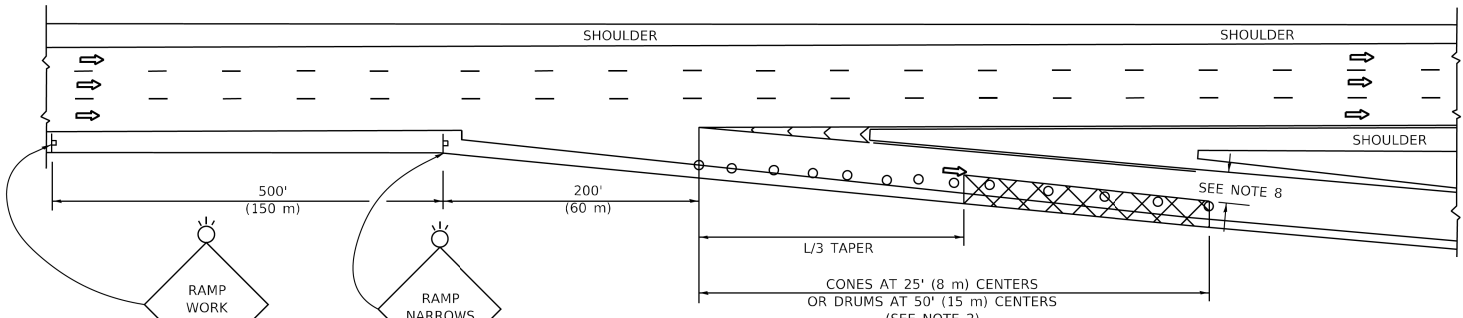
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	369
TC-16		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6W/LW(875)		

PARTIAL RAMP CLOSURE DETAILS

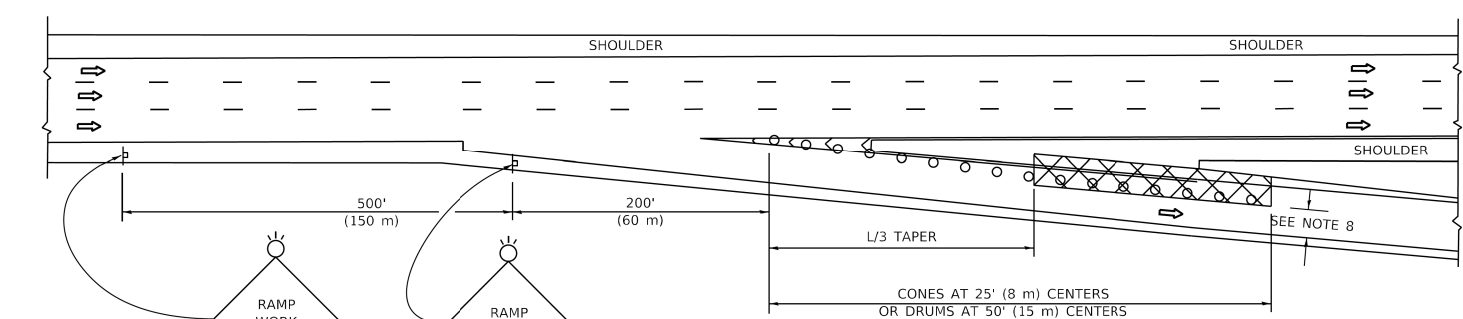
SHOULDER CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



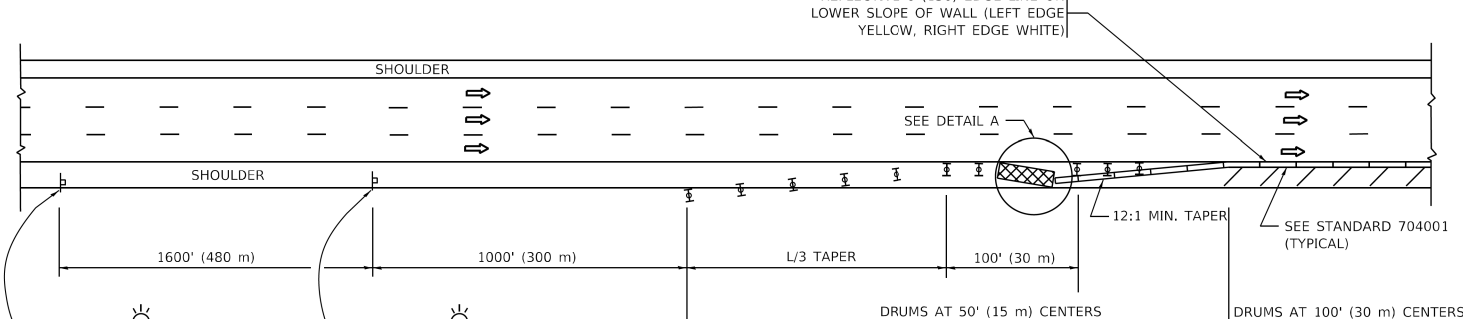
TYPICAL EXIT RAMP

SYMBOLS

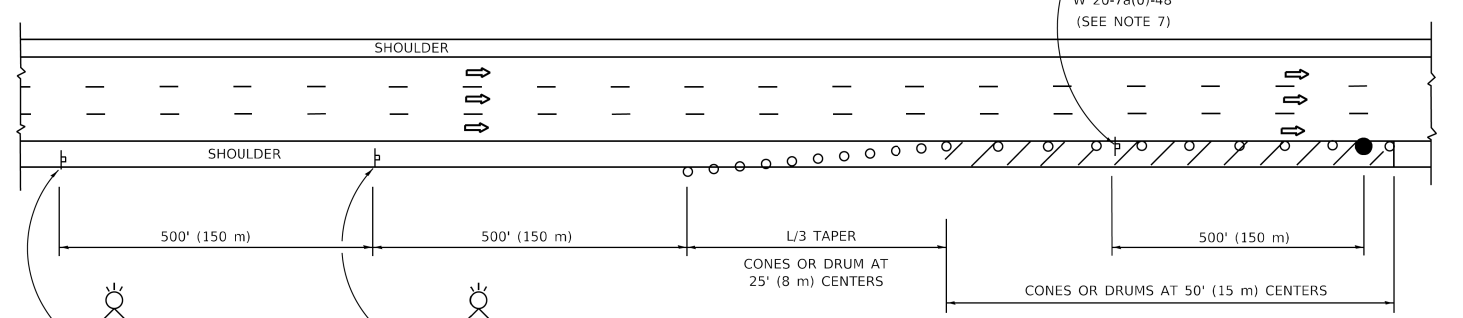
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

- THE "L" DISTANCE EQUALS
SPEED LIMIT
45 mph (80 km/h)
OR GREATER:
W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
FORMULAS
METRIC ENGLISH
L=0.65(W)(S) L=(W)(S)
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

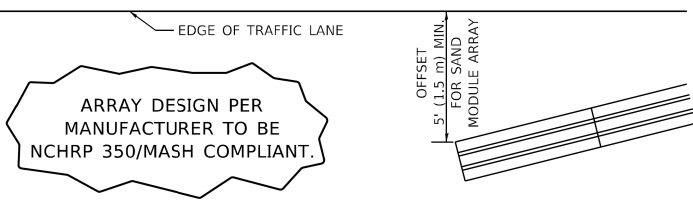


PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE

- THIS DETAIL IS USED WHERE:
- VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.
- TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M., OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

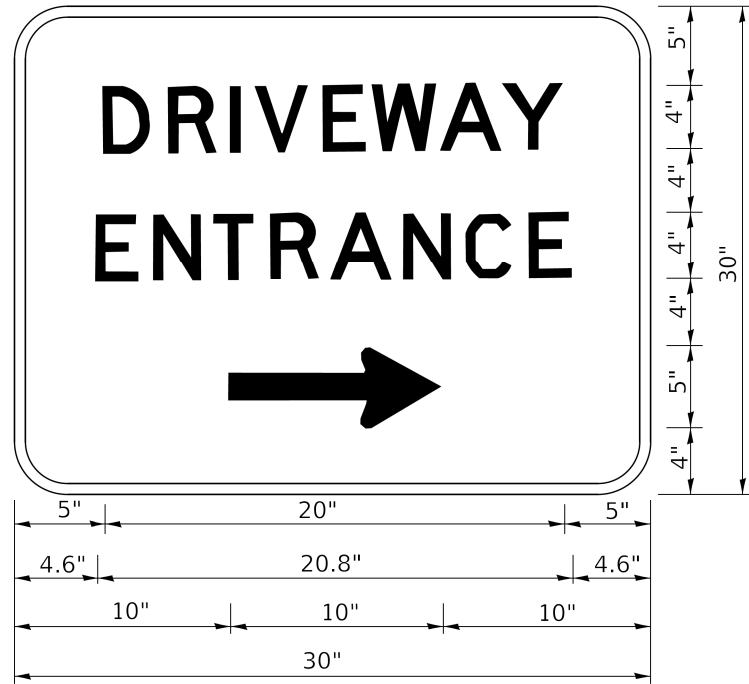
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	370
TC-17		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6W/LW(875)		



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

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

MODEL: TC-26
FILE NAME: C:\Engineering\Iowa\Projects\25001_1290 FRS PH\03_CADD\01_Sheets\2-Entrance\TC-26-Entrance.dgn

USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / 1"	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.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	373
TC-26		CONTRACT NO. 62X09		
ILLINOIS		FED. AID PROJECT 6W/LW(875)		

HNTB

USER NAME = Mbaout

DRAWN = LD

CHECKED = CS

DATE = 7/21/2026

DESIGNED = LD

REVISED =

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST

I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V

SHEET 2 OF 91 SHEETS

STA. 4314+00.00 TO STA. 4315+50.00

FILE RTE: 290

SECTION 2024-091-DR

COUNTY COOK

CONTRACT NO. 62X09

TOTAL SHEET NO. 484

SHEET NO. 375

Diagram showing the cross-section of the road at STA 4314+00.00. The horizontal axis represents distance from the centerline (0.00' RT) to the left (LT) and right (RT) edges, ranging from -100 to 100 feet. The vertical axis represents elevation in feet, ranging from 600 to 640. The diagram includes the following features:

- PR BL EL 628.62', 0.00' RT**: Proposed Right-of-Way Boundary Elevation at the centerline.
- EX ROW**: Existing Right-of-Way line.
- EX 6" WM INV 620.91'**: Existing 6-inch Water Main Invert.
- PR 4" UNDERDRAIN**: Proposed 4-inch Underdrain.
- PR 15" CS INV 617.66'**: Proposed 15-inch Concrete Sewer Invert.
- PR 66" FRS INV 615.42'**: Proposed 66-inch Force Main Invert.
- EX 15" CS INV 617.58' (TO BE ABANDONED)**: Existing 15-inch Concrete Sewer Invert to be abandoned.
- EX 628.91', 28.00' LT**: Existing Elevation at 28.00' LT.
- EX 628.39', 11.36' LT**: Existing Elevation at 11.36' LT.
- EX 628.40', 10.88' RT**: Existing Elevation at 10.88' RT.
- EX 628.94', 18.97' RT**: Existing Elevation at 18.97' RT.
- EX FENCE**: Existing Fence line.
- EX ROW**: Existing Right-of-Way line.
- Grades**: 1.5%, 2.0%, -2.0%, -2.0%, 1.5%.

STA 4314+00.00

Diagram showing the cross-section of the road at STA 4314+50.00. The horizontal axis represents distance from the centerline (0.00' RT) to the left (LT) and right (RT) edges, ranging from -100 to 100 feet. The vertical axis represents elevation in feet, ranging from 600 to 640. The diagram includes the following features:

- PR BL EL 628.59', 0.00' RT**: Proposed Right-of-Way Boundary Elevation at the centerline.
- EX ROW**: Existing Right-of-Way line.
- EX 6" WM INV 621.75'**: Existing 6-inch Water Main Invert.
- EX 2" ELECTRIC EL 621.43'**: Existing 2-inch Electric Line Elevation.
- PR 4" UNDERDRAIN**: Proposed 4-inch Underdrain.
- PR 15" CS INV 617.53'**: Proposed 15-inch Concrete Sewer Invert.
- PR 66" FRS INV 615.39'**: Proposed 66-inch Force Main Invert.
- EX 12" SS INV 622.56'**: Existing 12-inch Sanitary Sewer Invert.
- EX 15" CS INV 617.53' (TO BE ABANDONED)**: Existing 15-inch Concrete Sewer Invert to be abandoned.
- EX 628.23', 27.58' LT**: Existing Elevation at 27.58' LT.
- EX 628.36', 11.47' LT**: Existing Elevation at 11.47' LT.
- EX 628.37', 10.73' RT**: Existing Elevation at 10.73' RT.
- EX 628.91', 18.88' RT**: Existing Elevation at 18.88' RT.
- EX FENCE**: Existing Fence line.
- EX ROW**: Existing Right-of-Way line.
- Grades**: 1.5%, 3.7%, -2.0%, -2.0%, 1.5%.

STA 4314+50.00

Diagram showing the cross-section of the road at STA 4314+76.00. The horizontal axis represents distance from the centerline (0.00' RT) to the left (LT) and right (RT) edges, ranging from -100 to 100 feet. The vertical axis represents elevation in feet, ranging from 600 to 645. The diagram includes the following features:

- PR BL EL 628.45', 0.00' RT**: Proposed Right-of-Way Boundary Elevation at the centerline.
- EX ROW**: Existing Right-of-Way line.
- EX 2" ELECTRIC EL 627.25'**: Existing 2-inch Electric Line Elevation.
- EX 6" WATER INV 624.01'**: Existing 6-inch Water Main Invert.
- PR 12" SS INV 624.77'**: Proposed 12-inch Sanitary Sewer Invert.
- PR 4" UNDERDRAIN**: Proposed 4-inch Underdrain.
- PR 15" CS INV 617.45'**: Proposed 15-inch Concrete Sewer Invert.
- PR 66" FRS INV 615.37'**: Proposed 66-inch Force Main Invert.
- EX 12" SS INV 622.47'**: Existing 12-inch Sanitary Sewer Invert.
- EX 2" ELECTRIC EL 623.57'**: Existing 2-inch Electric Line Elevation.
- EX 15" CS INV 617.51' (TO BE ABANDONED)**: Existing 15-inch Concrete Sewer Invert to be abandoned.
- EX 628.18', 27.38' LT**: Existing Elevation at 27.38' LT.
- EX 628.26', 11.34' LT**: Existing Elevation at 11.34' LT.
- EX 628.27', 10.64' RT**: Existing Elevation at 10.64' RT.
- EX 628.81', 18.73' RT**: Existing Elevation at 18.73' RT.
- EX FENCE**: Existing Fence line.
- EX ROW**: Existing Right-of-Way line.
- Grades**: 1.5%, 8.2%, -2.0%, -2.0%, 1.5%.

STA 4314+76.00

Diagram showing the cross-section of the road at STA 4315+00.00. The horizontal axis represents distance from the centerline (0.00' RT) to the left (LT) and right (RT) edges, ranging from -100 to 100 feet. The vertical axis represents elevation in feet, ranging from 600 to 645. The diagram includes the following features:

- PR BL EL 628.40', 0.00' RT**: Proposed Right-of-Way Boundary Elevation at the centerline.
- EX ROW**: Existing Right-of-Way line.
- EX 2" ELECTRIC EL 627.12'**: Existing 2-inch Electric Line Elevation.
- PR 4" UNDERDRAIN**: Proposed 4-inch Underdrain.
- PR 12" SS INV 624.53'**: Proposed 12-inch Sanitary Sewer Invert.
- EX 6" WM INV 621.30'**: Existing 6-inch Water Main Invert.
- PR 15" CS INV 617.39'**: Proposed 15-inch Concrete Sewer Invert.
- PR 66" FRS INV 615.36'**: Proposed 66-inch Force Main Invert.
- EX 12" SS INV 622.42'**: Existing 12-inch Sanitary Sewer Invert.
- EX 2" ELECTRIC EL 624.08'**: Existing 2-inch Electric Line Elevation.
- EX 15" CS INV 617.49' (TO BE ABANDONED)**: Existing 15-inch Concrete Sewer Invert to be abandoned.
- EX 78" ETS**: Existing 78-inch Electric Transmission System.
- EX 628.12', 27.47' LT**: Existing Elevation at 27.47' LT.
- EX 628.17', 11.36' LT**: Existing Elevation at 11.36' LT.
- EX 628.19', 10.66' RT**: Existing Elevation at 10.66' RT.
- EX 628.72', 18.73' RT**: Existing Elevation at 18.73' RT.
- EX FENCE**: Existing Fence line.
- EX ROW**: Existing Right-of-Way line.
- Grades**: 1.5%, 4.5%, -2.0%, -2.0%, 1.5%.

STA 4315+00.00

Diagram showing the cross-section of the road at STA 4315+50.00. The horizontal axis represents distance from the centerline (0.00' RT) to the left (LT) and right (RT) edges, ranging from -100 to 100 feet. The vertical axis represents elevation in feet, ranging from 600 to 640. The diagram includes the following features:

- PR BL EL 628.36', 0.00' RT**: Proposed Right-of-Way Boundary Elevation at the centerline.
- EX ROW**: Existing Right-of-Way line.
- EX 2" ELECTRIC EL 627.25'**: Existing 2-inch Electric Line Elevation.
- PR 4" UNDERDRAIN**: Proposed 4-inch Underdrain.
- EX 6" WM INV 622.23'**: Existing 6-inch Water Main Invert.
- PR 12" SS INV 624.11'**: Proposed 12-inch Sanitary Sewer Invert.
- INTERIM 12" SS INV 621.24'**: Interim 12-inch Sanitary Sewer Invert.
- PR 15" CS INV 617.25'**: Proposed 15-inch Concrete Sewer Invert.
- PR 66" FRS INV 615.33'**: Proposed 66-inch Force Main Invert.
- EX 12" SS INV 623.55' (TO BE REMOVED)**: Existing 12-inch Sanitary Sewer Invert to be removed.
- PR 12" SS INV 624.10'**: Proposed 12-inch Sanitary Sewer Invert.
- EX 15" CS INV 617.45' (TO BE ABANDONED)**: Existing 15-inch Concrete Sewer Invert to be abandoned.
- EX 78" ETS**: Existing 78-inch Electric Transmission System.
- EX 628.93', 27.52' LT**: Existing Elevation at 27.52' LT.
- EX 628.13', 11.30' LT**: Existing Elevation at 11.30' LT.
- EX 628.14', 11.04' RT**: Existing Elevation at 11.04' RT.
- EX 628.67', 19.12' RT**: Existing Elevation at 19.12' RT.
- EX 628.23', 43.22' RT**: Existing Elevation at 43.22' RT.
- EX 628.11', 60.49' RT**: Existing Elevation at 60.49' RT.
- EX FENCE**: Existing Fence line.
- EX ROW**: Existing Right-of-Way line.
- Grades**: 1.5%, 2.9%, -2.0%, -2.0%, 1.5%, -0.7%.

STA 4315+50.00

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HNTB

USER NAME = kbaoust

DESIGNED - LD

DRAWN - LD

CHECKED - CS

DATE = 7/21/2026

REVIS

REVIS

REVIS

REVIS

REVIS

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST

I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V SHEET 3 OF 91 SHEETS STA. 4316+00.00 TO STA. 4317+34.00

FILE

SECTION

COUNTY

TOTAL SHEET

RTE.

290

2024-09-10R

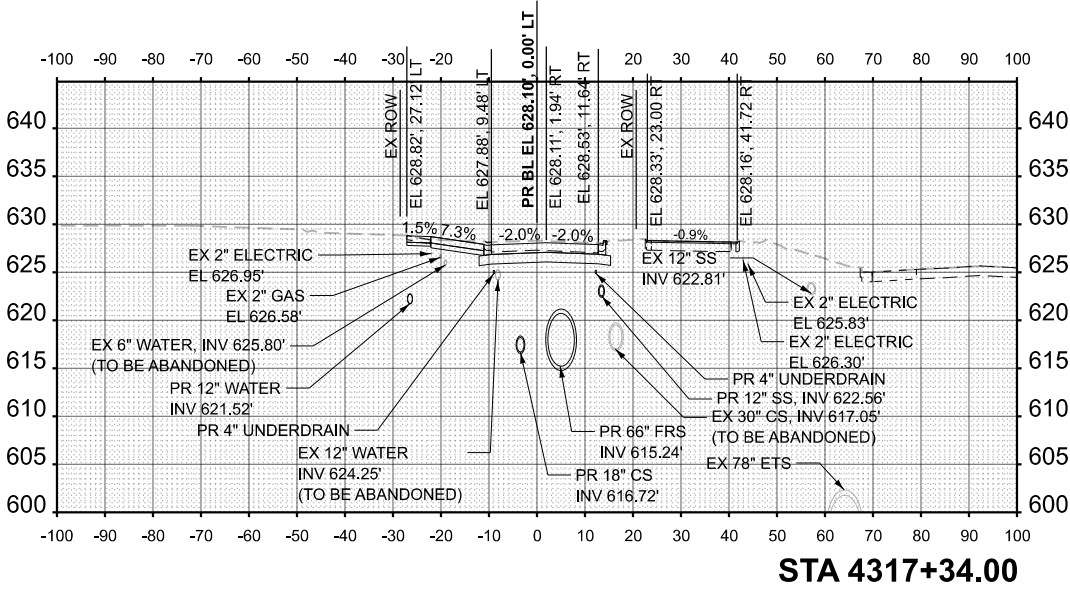
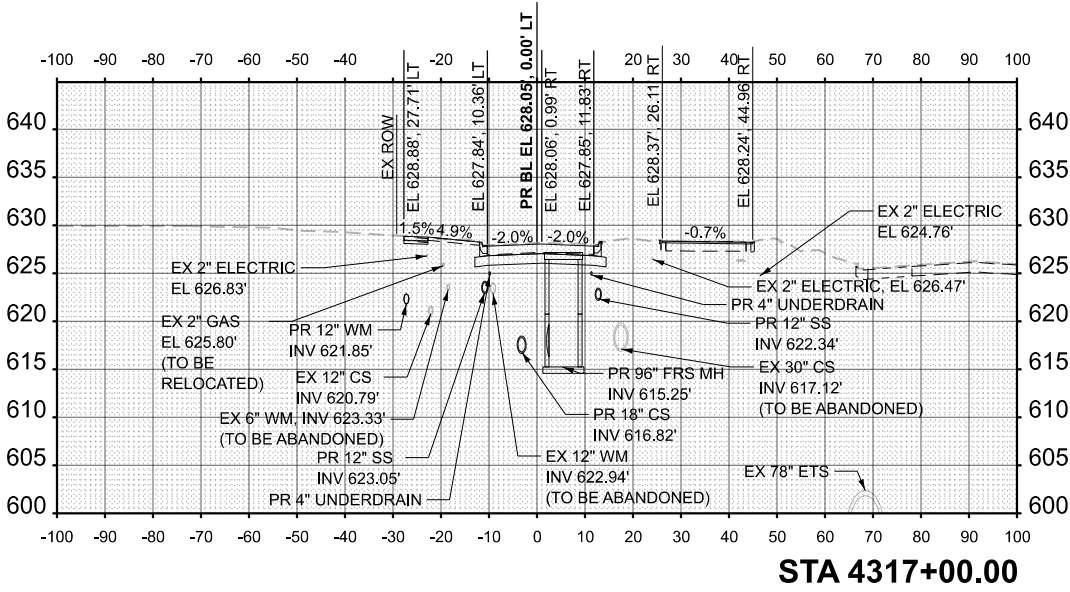
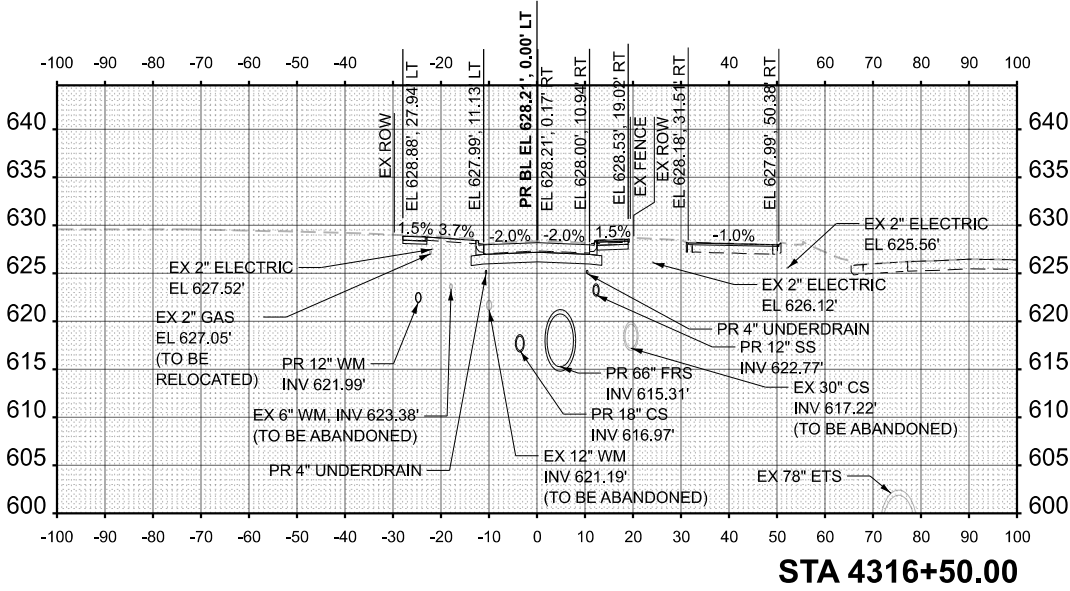
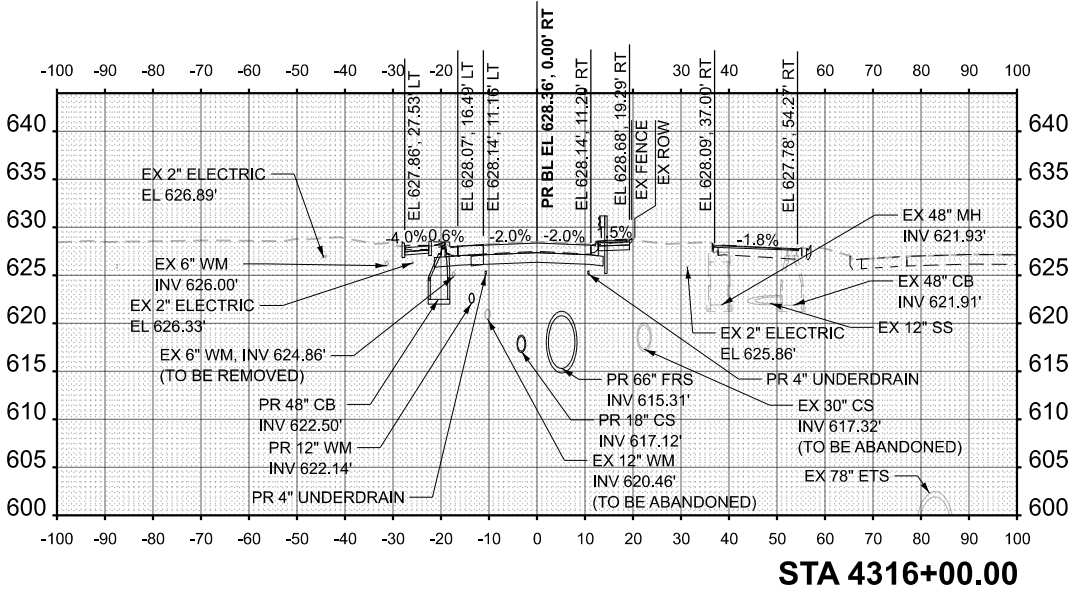
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ILLINOIS

FED. AID PROJECT

6WJW/875

376



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

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

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USER NAME = kbaoust	DESIGNED - LD
	DRAWN - LD
	CHECKED - CS
PLUT DATE = 7/17/2026	DATE - 5/22/2026

REVISED	-
REVISED	-
REVISED	-

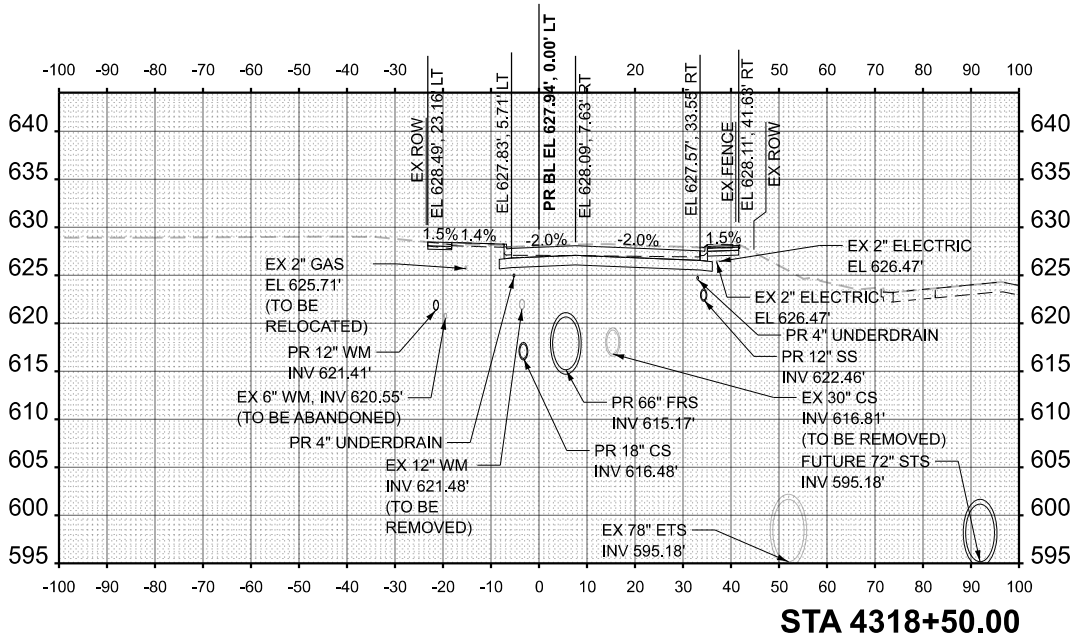
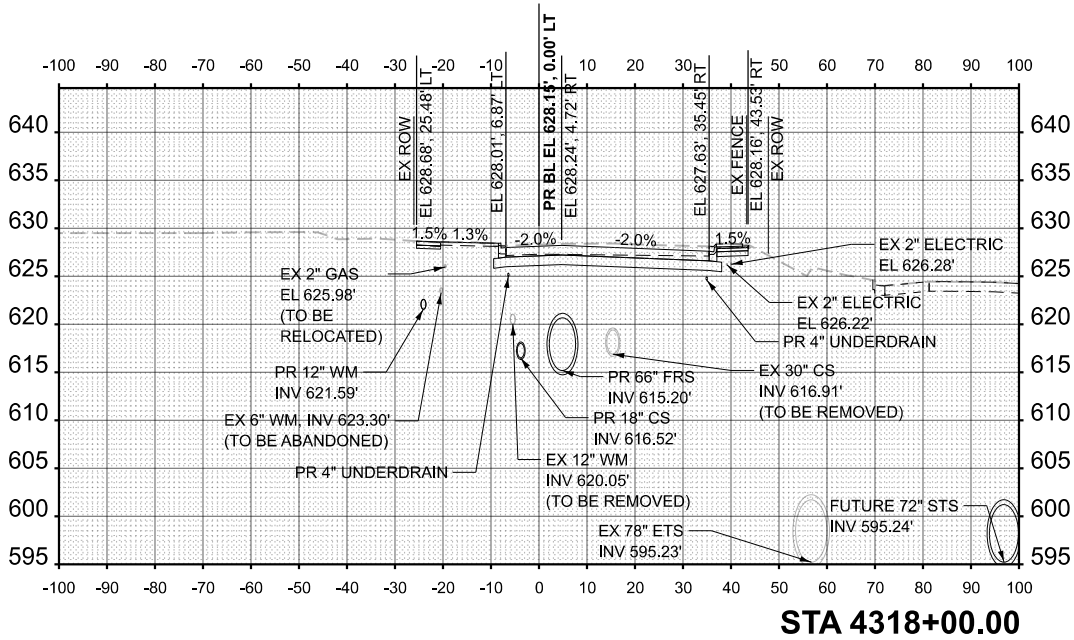
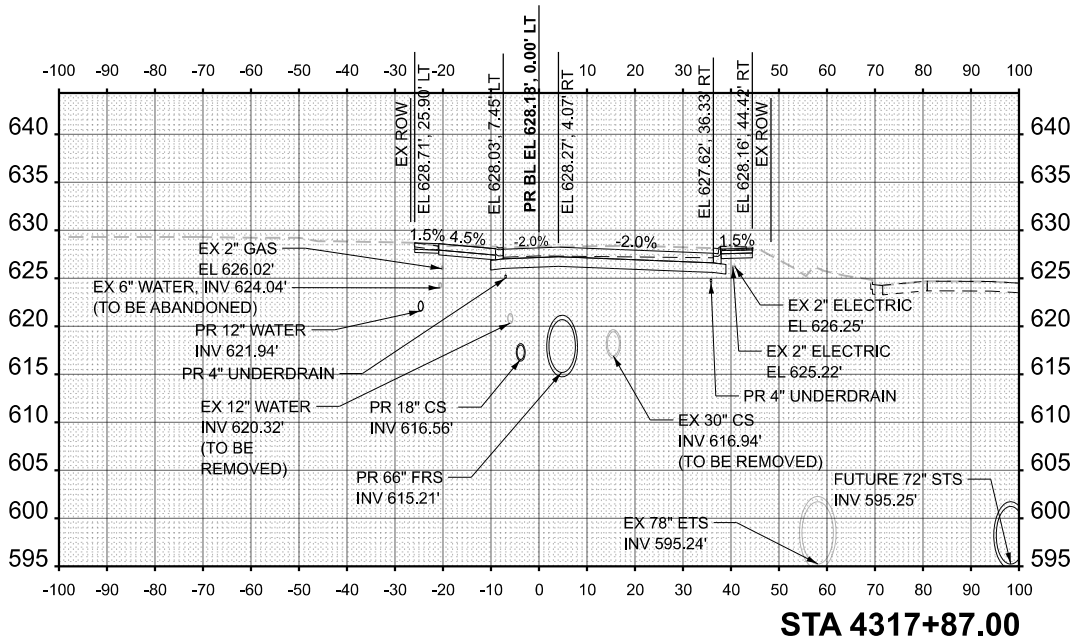
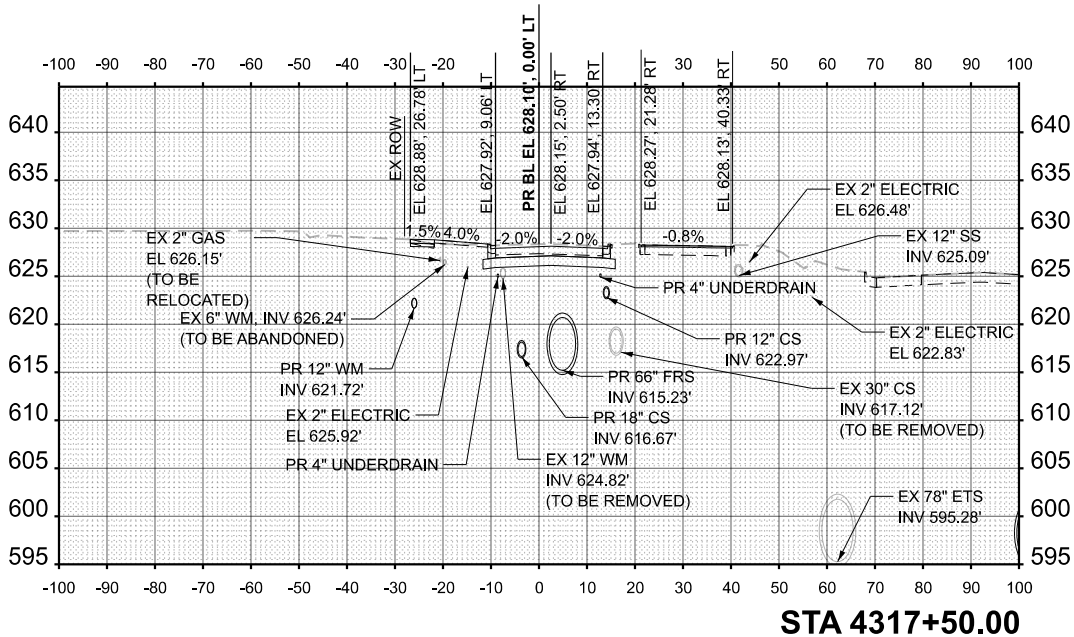
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS - HARRISON ST
FROM 22ND AVE TO DES PLAINES RIVER**

CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V	SHEET	4	OF	91	SHEETS	STA. 4317+50.00	TO STA. 4318+50.00
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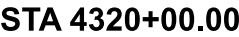
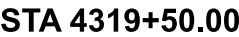
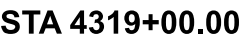
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290	2024-991-DR	COOK	464 377
		CONTRACT NO. 62X09	
ILLINOIS FED. AID PROJECT 6WUW(975)			



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

NO. _____	AREAS CHECKED _____		
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RTE.	SECTION	COUNT	SHEETS	NO.
290	2024-991-DR	COOK	464	378
CONTRACT NO. 62X09				
ILLINOIS		FED. AID PROJECT 6WLM(875)		



HNTB

USER NAME = Mbaout

DESIGNED - LD

DRAWN - LD

CHECKED - CS

DATE = 7/17/2026

REVIS

REVIS

REVIS

REVIS

REVIS

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST

I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V

SHEET 6 OF 91 SHEETS

STA. 4320+50.00 TO STA. 4321+50.00

F&M RTE. 290

SECTION 2024+99+DR

COUNTY COOK

CONTRACT NO. 62X09

TOTAL SHEET 464

SHEETS NO. 379

STA 4320+50.00

This cross-section diagram shows the road profile and existing infrastructure at station 4320+50.00. The horizontal axis represents stationing from -100 to 100 feet relative to the centerline (0.00' LT). The vertical axis shows elevations from 595 to 640 feet. Key features include: EX 2" GAS (EL 626.12', TO BE RELOCATED), EX 2" ELECTRIC (EL 625.04', INV 622.06'), PR 8" WM (INV 622.06'), PR 4" UNDERDRAIN (INV 623.29'), PR 12" SS (INV 623.29'), EX 6" WM (INV 623.45', TO BE REMOVED), PR 30" CS (INV 615.96'), EX 78" ETS, PR 66" FRS (INV 615.08'), EX 30" CS (INV 616.09', TO BE REMOVED), EX 12" SS (INV 612.01'), EX 2" ELECTRIC (EL 625.55'), PR 4" UNDERDRAIN, EX 30" CS (INV 616.09', TO BE REMOVED), EX 12" SS (INV 612.01'), FUTURE 72" STS, EX 78" ETS, EX 2" ELECTRIC (EL 626.28'), PR 4" UNDERDRAIN, PR 48" CB (INV 622.33'), EX 12" SS (INV 610.99'), FUTURE 72" STS (INV 594.93'), EX 78" ETS (INV 592.92'), PR 66" FRS (INV 615.06'), PR 30" CS (INV 615.90'), EX 6" WATER (INV 622.08', TO BE REMOVED), PR 12" SS (INV 623.45'), PR 8" WATER (INV 621.93'), EX 2" ELECTRIC (EL 623.45'), PR 4" UNDERDRAIN, EX 2" GAS (EL 626.12'), EX ROW (EL 628.56', 21.45' LT), EX ROW (EL 627.88', 10.16' LT), PR BL EL 627.85', 0.00' LT, EX ROW (EL 628.12', 11.82' LT), EX ROW (EL 627.75', 30.46' RT), EX ROW (EL 628.29', 38.55' RT), EX FENCE, and EX ROW (EL 628.40', 37.52' RT).

STA 4320+89.00

This cross-section diagram shows the road profile and existing infrastructure at station 4320+89.00. The horizontal axis represents stationing from -100 to 100 feet relative to the centerline (0.00' LT). The vertical axis shows elevations from 590 to 640 feet. Key features include: EX 2" GAS (EL 626.12', TO BE RELOCATED), EX 2" ELECTRIC (EL 623.45'), PR 4" UNDERDRAIN, EX 2" ELECTRIC (EL 623.45'), PR 8" WATER (INV 621.93'), PR 12" SS (INV 623.45'), EX 6" WATER (INV 622.08', TO BE REMOVED), PR 30" CS (INV 615.90'), EX 78" ETS (INV 592.92'), PR 66" FRS (INV 615.06'), EX 30" CS (INV 615.76', TO BE ABANDONED), EX 12" SS (INV 610.99'), EX 2" ELECTRIC (EL 626.28'), PR 4" UNDERDRAIN, PR 48" CB (INV 622.33'), EX 12" SS (INV 610.99'), FUTURE 72" STS (INV 594.93'), EX 78" ETS (INV 592.92'), PR 66" FRS (INV 615.06'), PR 30" CS (INV 615.90'), EX 6" WATER (INV 622.08', TO BE REMOVED), PR 12" SS (INV 623.45'), PR 8" WATER (INV 621.93'), EX 2" ELECTRIC (EL 623.45'), PR 4" UNDERDRAIN, EX 2" GAS (EL 626.12'), EX ROW (EL 628.58', 22.48' LT), EX ROW (EL 627.80', 11.08' LT), PR BL EL 628.08', 0.00' LT, EX ROW (EL 628.58', 10.73' RT), EX ROW (EL 627.86', 29.44' RT), EX ROW (EL 628.40', 37.52' RT), EX FENCE, and EX ROW (EL 628.40', 37.52' RT).

STA 4321+00.00

This cross-section diagram shows the road profile and existing infrastructure at station 4321+00.00. The horizontal axis represents stationing from -100 to 100 feet relative to the centerline (0.00' LT). The vertical axis shows elevations from 590 to 640 feet. Key features include: EX 2" GAS (EL 626.08', TO BE RELOCATED), EX 2" ELECTRIC (EL 623.65'), PR 4" UNDERDRAIN, EX 2" ELECTRIC (EL 623.65'), PR 8" WM (INV 622.02'), EX 6" WM (INV 622.47', TO BE REMOVED), PR 30" CS (INV 615.88'), EX 78" ETS (INV 594.91'), PR 66" FRS (INV 615.08'), EX 30" CS (INV 616.03', TO BE REMOVED), EX 12" SS (INV 622.87'), PR 4" UNDERDRAIN, EX 2" ELECTRIC (EL 626.37'), PR 12" SS (INV 622.87'), EX 48" CB (INV 594.78'), FUTURE 72" STS (INV 594.92'), EX 78" ETS (INV 594.91'), PR 66" FRS (INV 615.08'), EX 30" CS (INV 616.03', TO BE REMOVED), EX 12" SS (INV 622.87'), PR 4" UNDERDRAIN, EX 2" ELECTRIC (EL 626.37'), PR 12" SS (INV 622.87'), EX 48" CB (INV 594.78'), FUTURE 72" STS (INV 594.92'), EX 78" ETS (INV 594.91'), PR 66" FRS (INV 615.08'), EX 30" CS (INV 616.03', TO BE REMOVED), EX 12" SS (INV 622.87'), PR 4" UNDERDRAIN, EX 2" GAS (EL 626.08', TO BE RELOCATED), EX ROW (EL 628.65', 22.61' LT), EX ROW (EL 627.83', 11.40' LT), PR BL EL 628.06', 0.00' LT, EX ROW (EL 628.27', 10.50' RT), EX ROW (EL 627.90', 29.23' RT), EX ROW (EL 628.44', 37.3' RT), EX FENCE, and EX ROW (EL 628.44', 37.3' RT).

STA 4321+50.00

This cross-section diagram shows the road profile and existing infrastructure at station 4321+50.00. The horizontal axis represents stationing from -100 to 100 feet relative to the centerline (0.00' LT). The vertical axis shows elevations from 590 to 640 feet. Key features include: EX 2" GAS (EL 626.17', TO BE RELOCATED), EX 2" ELECTRIC (EL 624.85'), PR 8" WM (INV 622.04'), PR 4" UNDERDRAIN, EX 6" WM (INV 622.47', TO BE REMOVED), PR 30" CS (INV 615.81'), EX 78" ETS (INV 594.85'), PR 66" FRS (INV 615.03'), EX 30" CS (INV 615.98', TO BE REMOVED), EX 12" SS (INV 622.68'), PR 4" UNDERDRAIN, EX 2" ELECTRIC (EL 626.43'), PR 12" SS (INV 622.68'), EX 84" STS (INV 594.87'), EX 78" ETS (INV 594.85'), PR 66" FRS (INV 615.03'), EX 30" CS (INV 615.98', TO BE REMOVED), EX 12" SS (INV 622.68'), PR 4" UNDERDRAIN, EX 2" GAS (EL 626.17', TO BE RELOCATED), EX ROW (EL 628.76', 22.61' LT), EX ROW (EL 627.99', 11.87' LT), PR BL EL 628.23', 0.00' LT, EX ROW (EL 628.42', 9.88' RT), EX ROW (EL 628.05', 28.70' RT), EX ROW (EL 628.58', 36.79' RT), EX FENCE, and EX ROW (EL 628.58', 36.79' RT).

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

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



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PLOT DATE = 7/17/2026

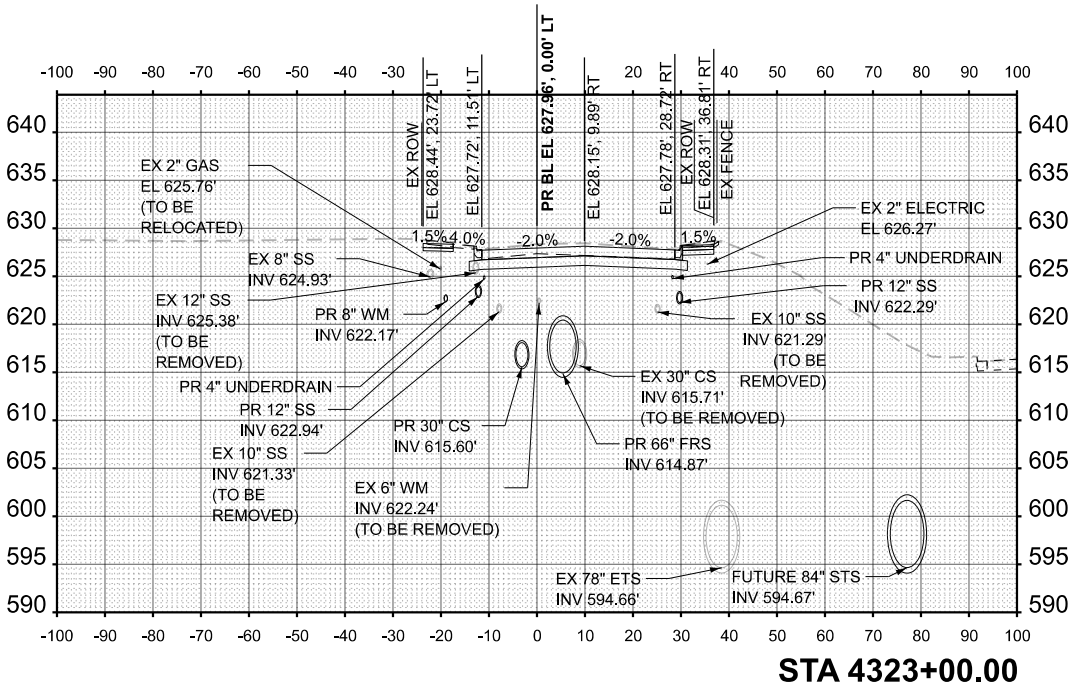
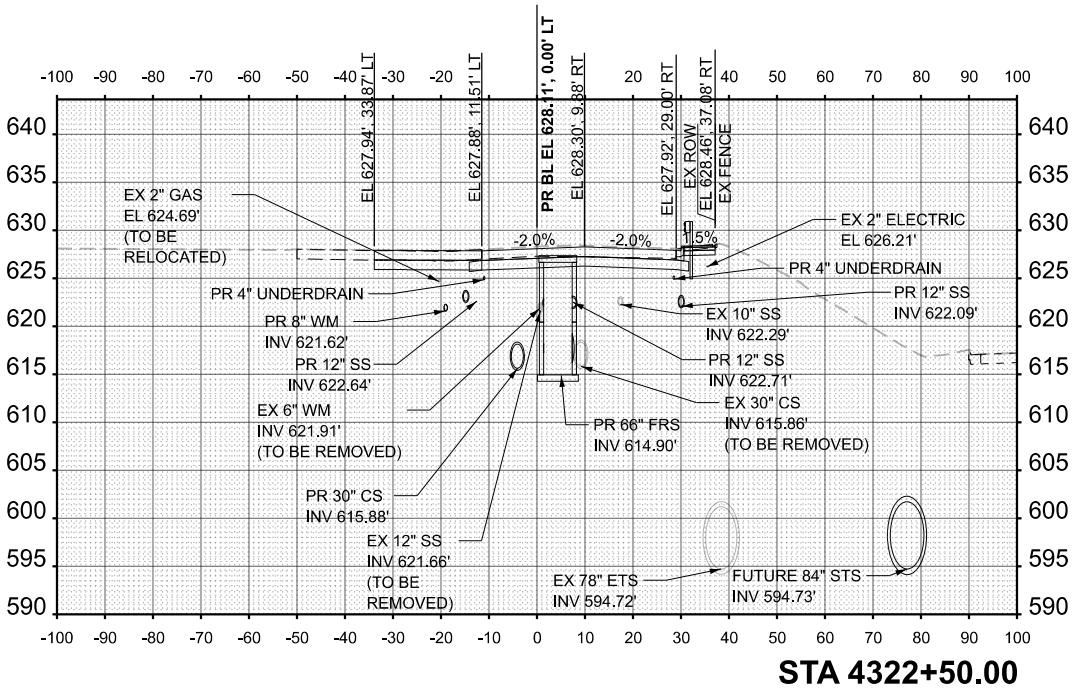
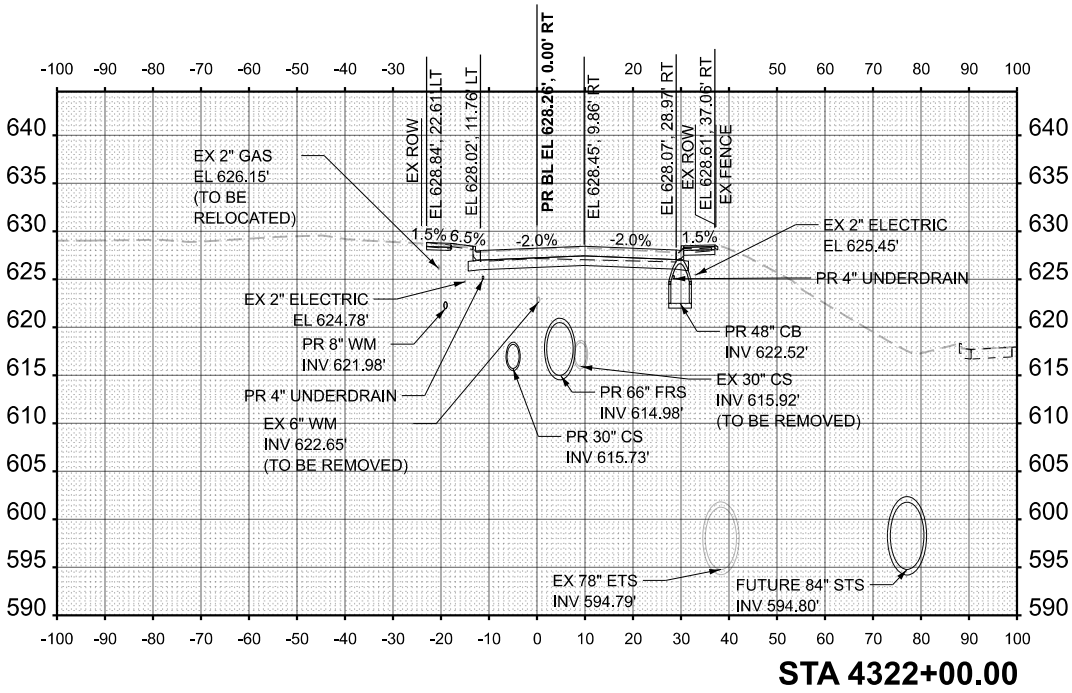
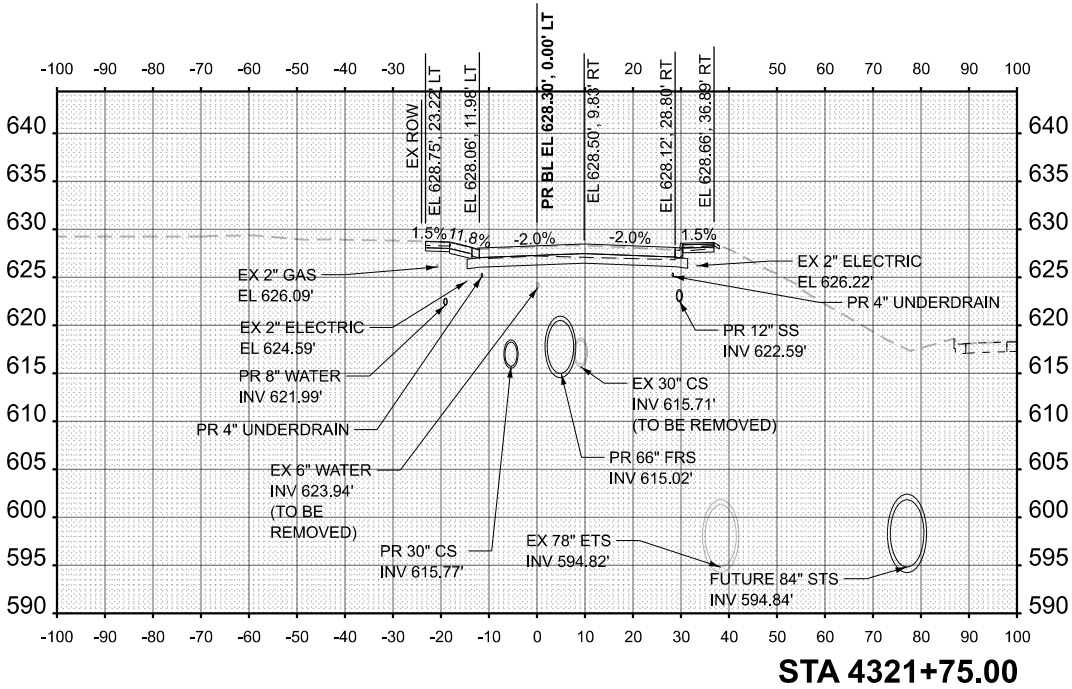
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DRAWN - LD
CHECKED - CS
DATE - 5/22/2026

REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V	SHEET 7 OF 91 SHEETS	STA. 4321+75.00 TO STA. 4323+00.00
FILE RTE: 290	SECTION 2024-09+DR	COUNTY COOK
		CONTRACT NO. 62X09
ILLINOIS	FED. AID PROJECT 96AW(8/5)	TOTAL SHEET NO. 464 OF 380



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NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

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

HNTB

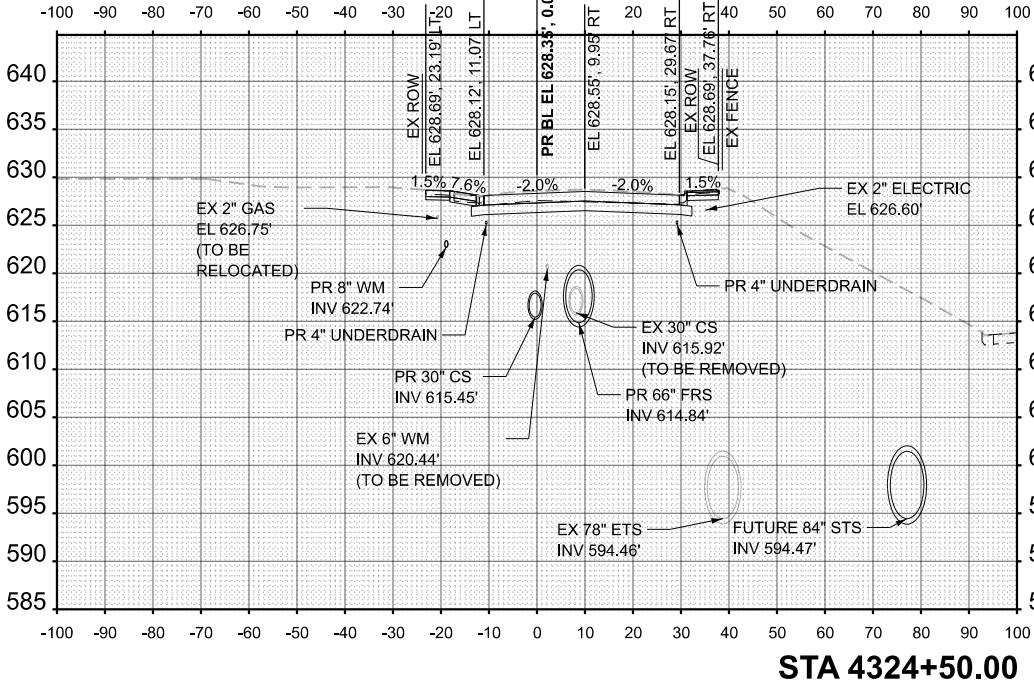
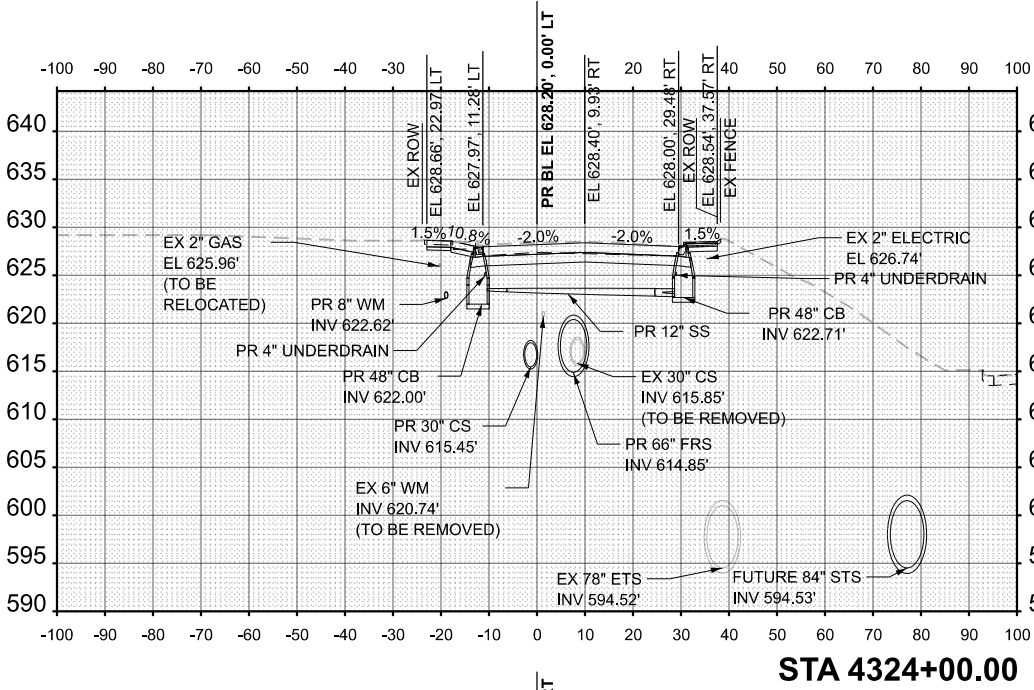
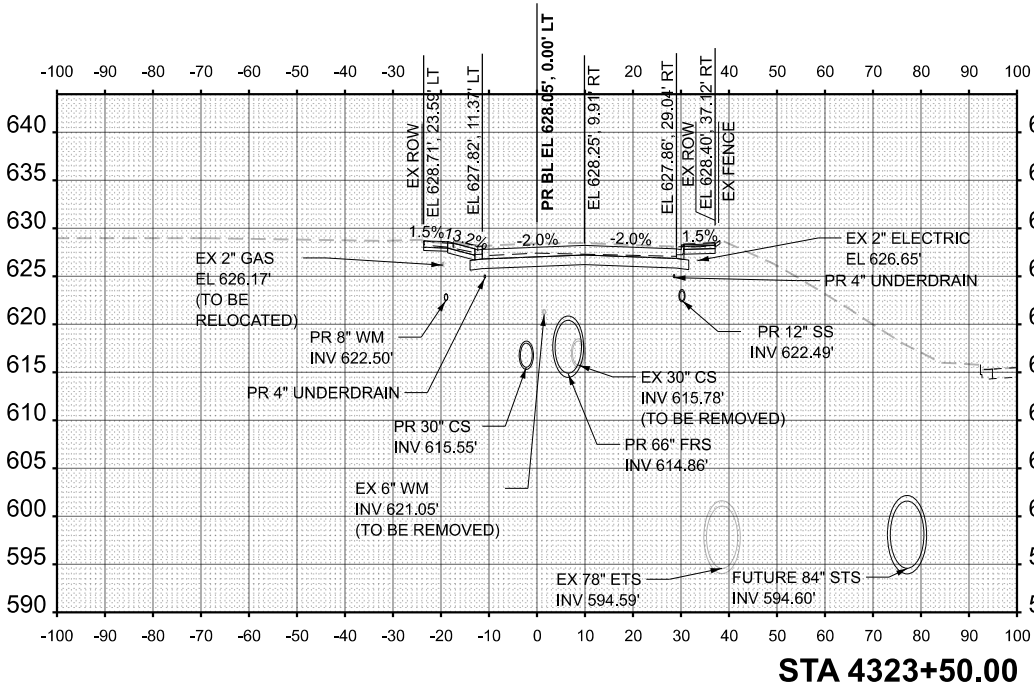
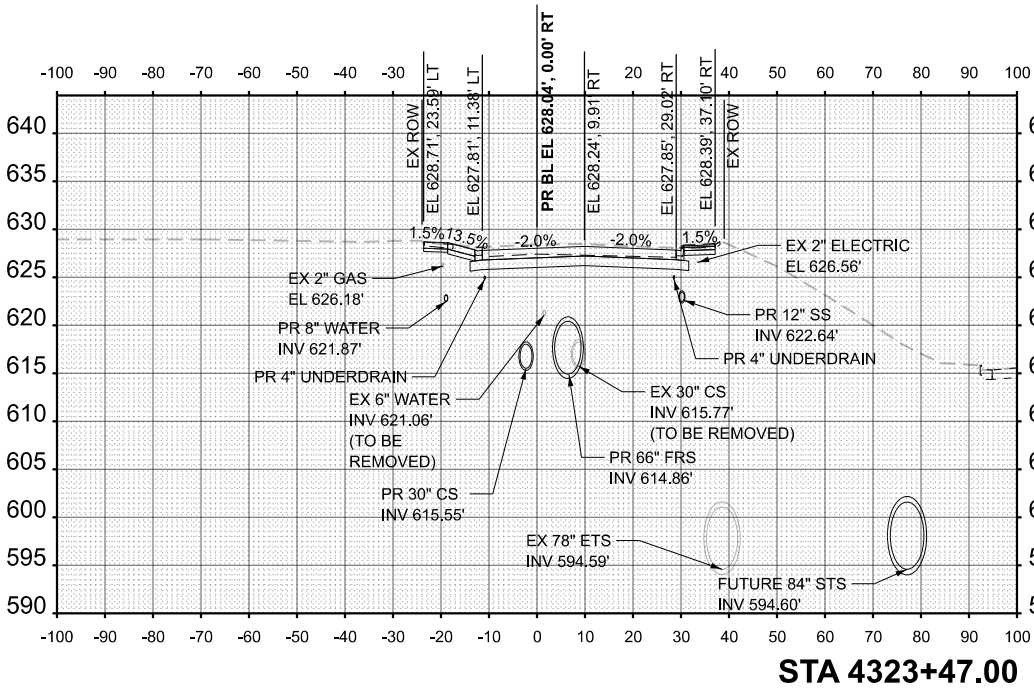
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REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V	SHEET 8 OF 91 SHEETS	STA. 4323+47.00 TO STA. 4324+50.00
FILE RTE: 290	SECTION 2024-091-DR	COUNTY COOK
ILLINOIS	FED. AID PROJECT 6WUW(875)	TOTAL SHEET SHEETS NO. 464 381



HNTB

USER NAME = Mbaout

DESIGNED - LD

REVISD -

FLDT DATE = 7/17/2026

CHECKED - CS

REVISD -

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST

I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V SHEET 9 OF 91 SHEETS STA. 4325+00.00 TO STA. 4325+50.00

FEAL RTE. 290

SECTION 2024-09+DR

COUNTY COOK

TOTAL SHEET SHEETS NO. 464

SHEET NO. 382

CONTRACT NO. 62X09

ILLINOIS FED. AID PROJECT 6WUW/875

STA 4325+00.00

This diagram shows a cross-section of the road at station 4325+00.00. The road width is 100 feet, ranging from -100 to 100 feet from the centerline. The existing ground profile is shown as a dashed line. The proposed road profile is shown as a solid line with a 1.5% slope on the left and a 1.5% slope on the right. The centerline is at 0.00' RT. Key features include:

- EX 2" GAS EL 625.02' (TO BE RELOCATED)
- PR 8" WM INV 622.85'
- PR 4" UNDERDRAIN
- EX 6" WM INV 624.29' (TO BE REMOVED)
- PR 30" CS INV 615.39'
- EX 30" CS INV 615.99' (TO BE REMOVED)
- PR 66" FRS INV 614.83'
- EX 12" SS INV 606.05'
- EX 78" ETS INV 594.39'
- FUTURE 84" STS INV 594.40'
- EX 2" ELECTRIC EL 626.28'
- PR 4" UNDERDRAIN

STA 4325+25.00

This diagram shows a cross-section of the road at station 4325+25.00. The road width is 100 feet, ranging from -100 to 100 feet from the centerline. The existing ground profile is shown as a dashed line. The proposed road profile is shown as a solid line with a 1.5% slope on the left, a 6.8% slope in the center, and a 1.5% slope on the right. The centerline is at 0.00' RT. Key features include:

- EX 2" GAS EL 624.69'
- PR 8" WATER INV 622.22'
- PR 4" UNDERDRAIN
- EX 6" WATER INV 623.98' (TO BE REMOVED)
- PR 30" CS INV 615.36'
- EX 30" CS INV 616.02' (TO BE REMOVED)
- PR 66" FRS INV 614.82'
- EX 12" SS INV 606.10'
- EX 78" ETS INV 594.36'
- FUTURE 84" STS INV 594.36'
- PR 12" SS INV 622.48'
- PR 12" SS INV 622.48'

STA 4325+36.00

This diagram shows a cross-section of the road at station 4325+36.00. The road width is 100 feet, ranging from -100 to 100 feet from the centerline. The existing ground profile is shown as a dashed line. The proposed road profile is shown as a solid line with a 1.5% slope on the left, a 7.8% slope in the center, and a 1.5% slope on the right. The centerline is at 0.00' RT. Key features include:

- EX 2" GAS EL 624.80' (TO BE RELOCATED)
- PR 4" UNDERDRAIN
- PR 8" WM INV 622.94'
- EX 6" WM INV 623.11' (TO BE REMOVED)
- PR 30" CS INV 615.36'
- EX 30" CS INV 616.04' (TO BE REMOVED)
- PR 66" FRS INV 614.85'
- EX 48" CB INV 606.11'
- EX 78" ETS INV 594.34'
- FUTURE 84" STS INV 594.35'

STA 4325+50.00

This diagram shows a cross-section of the road at station 4325+50.00. The road width is 100 feet, ranging from -100 to 100 feet from the centerline. The existing ground profile is shown as a dashed line. The proposed road profile is shown as a solid line with a 2.4% slope on the left and a 0.5% slope on the right. The centerline is at 0.00' LT. Key features include:

- EX 2" GAS EL 625.48' (TO BE RELOCATED)
- EX 12" SS INV 622.45'
- PR 8" WM INV 622.98'
- EX 6" WM INV 622.88' (TO BE REMOVED)
- PR 30" CS INV 615.34'
- PR 66" FRS INV 614.82'
- EX 30" CS INV 616.05' (TO BE REMOVED)
- EX 78" ETS INV 594.32'
- FUTURE 84" STS INV 594.33'

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

HNTB

USER NAME = Mbaoust

DESIGNED - LD

DRAWN - LD

CHECKED - CS

DATE = 7/17/2026

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST

I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V SHEET 11 OF 91 SHEETS STA. 4327+50.00 TO STA. 4328+50.00

F&M RTE. 290

SECTION 2024-09+DR

COUNTY COOK

CONTRACT NO. 62X09

TOTAL SHEET SHEETS NO. 464

364

This cross-section diagram for STA 4327+50.00 shows a road profile with a centerline elevation of 628.33'. The road width is 100 feet, with 50 feet on each side. The profile shows a 1.5% grade on the left and a 1.5% grade on the right, with a -2.0% grade in the center. Existing utilities include EX 2" GAS (EL 625.50', TO BE RELOCATED), EX 2" ELECTRIC (EL 624.39'), EX 6" WM (INV 620.73', TO BE REMOVED), EX 36" CS (INV 615.18', TO BE REMOVED), EX 78" ETS, EX 12" SS (INV 605.80'), EX 2" ELECTRIC (EL 626.45'), EX 12" SS (INV 605.80'), and FUTURE 84" STS. Proposed construction includes PR 8" WM (INV 622.90'), PR 4" UNDERDRAIN, PR 12" SS (INV 623.25'), PR 4" UNDERDRAIN, PR 66" FRS (INV 614.75'), PR 36" CS (INV 615.12'), and EX 78" ETS. The diagram also shows EX ROW, EX FENCE, and EX ROW lines.

This cross-section diagram for STA 4327+79.00 shows a road profile with a centerline elevation of 628.42'. The road width is 100 feet, with 50 feet on each side. The profile shows a 1.5% grade on the left and a 1.5% grade on the right, with a -2.0% grade in the center. Existing utilities include EX 2" GAS (EL 625.42'), EX 2" ELECTRIC (EL 626.64'), EX 6" WATER (INV 622.06', TO BE REMOVED), EX 36" CS (INV 615.01', TO BE REMOVED), EX 78" ETS (INV 594.03'), EX 12" SS (INV 606.04'), and FUTURE 84" STS (INV 594.03'). Proposed construction includes PR 8" WATER (INV 622.82'), PR 4" UNDERDRAIN, PR 66" FRS (INV 614.73'), PR 48" MH (INV 615.14'), and EX 78" ETS. The diagram also shows EX ROW, EX FENCE, and EX ROW lines.

This cross-section diagram for STA 4328+00.00 shows a road profile with a centerline elevation of 628.48'. The road width is 100 feet, with 50 feet on each side. The profile shows a 1.5% grade on the left and a 1.5% grade on the right, with a -2.0% grade in the center. Existing utilities include EX 2" GAS (EL 625.59', TO BE RELOCATED), EX 2" ELECTRIC (EL 626.17'), EX 6" WM (INV 620.03', TO BE ABANDONED), EX 36" CS (INV 615.09'), EX 78" ETS, EX 12" SS (INV 606.21'), and FUTURE 84" STS. Proposed construction includes PR 8" WM (INV 622.82'), PR 4" UNDERDRAIN, PR 66" FRS (INV 614.72'), and EX 78" ETS. The diagram also shows EX ROW, EX FENCE, and EX ROW lines.

This cross-section diagram for STA 4328+50.00 shows a road profile with a centerline elevation of 628.48'. The road width is 100 feet, with 50 feet on each side. The profile shows a 1.5% grade on the left and a 1.5% grade on the right, with a -2.0% grade in the center. Existing utilities include EX 2" GAS (EL 625.58', TO BE RELOCATED), EX 2" ELECTRIC (EL 625.56'), EX 6" WM (INV 620.22', TO BE ABANDONED), EX 36" CS (INV 615.00'), EX 78" ETS, EX 12" SS (INV 606.62'), and FUTURE 84" STS. Proposed construction includes PR 8" WM (INV 622.77'), PR 4" UNDERDRAIN, PR 12" SS (INV 622.81'), PR 66" FRS (INV 614.70'), and EX 78" ETS. The diagram also shows EX ROW, EX FENCE, and EX ROW lines.

MODEL: PrBL_Harrison3 - 4334+00.00 [Sheet]
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NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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

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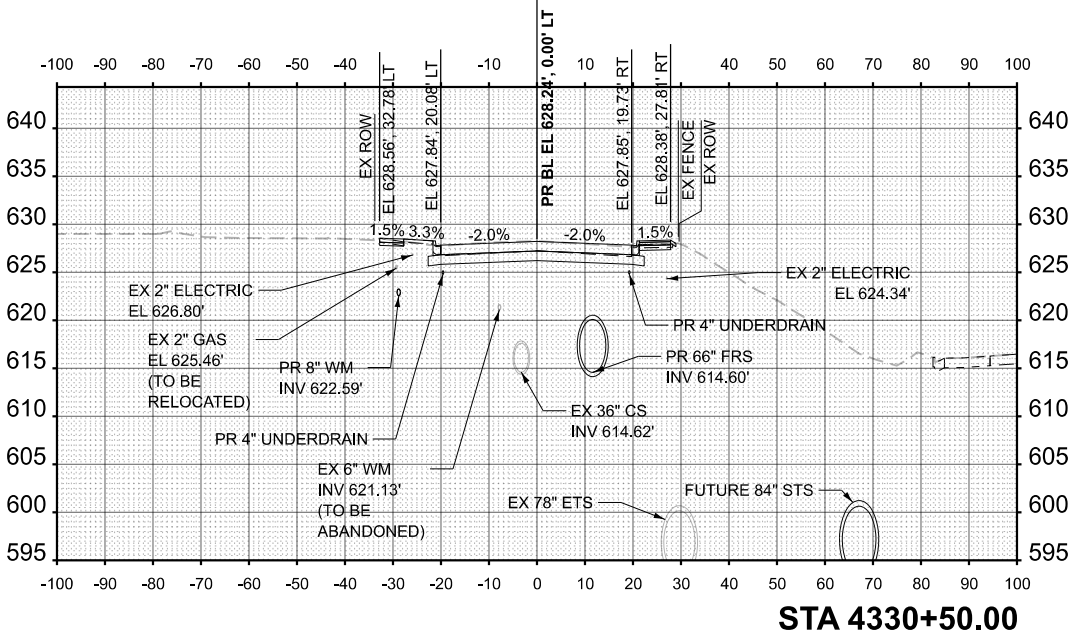
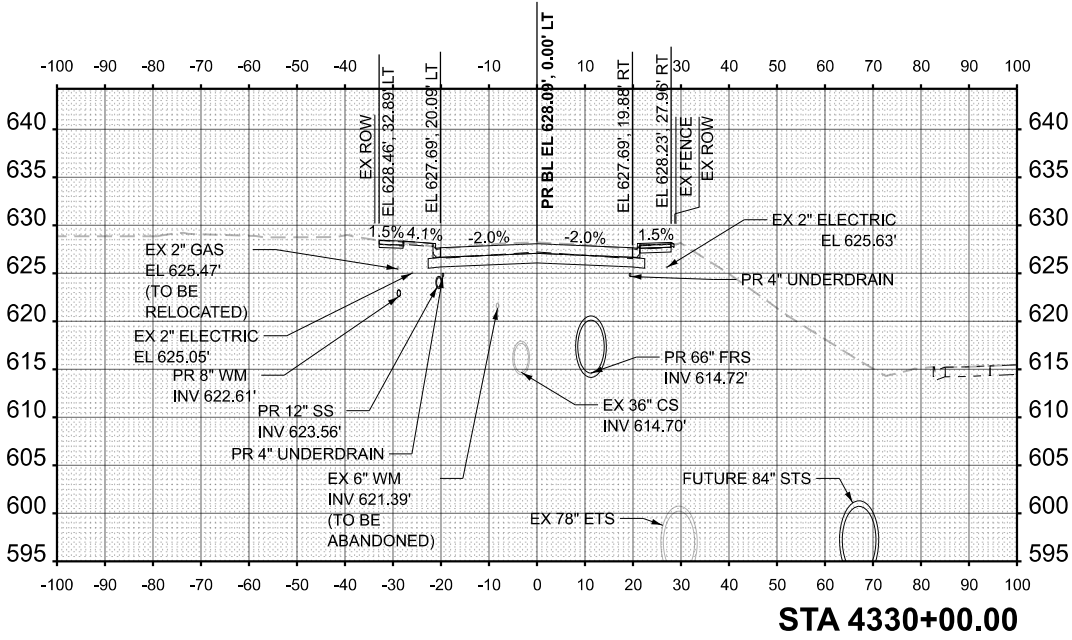
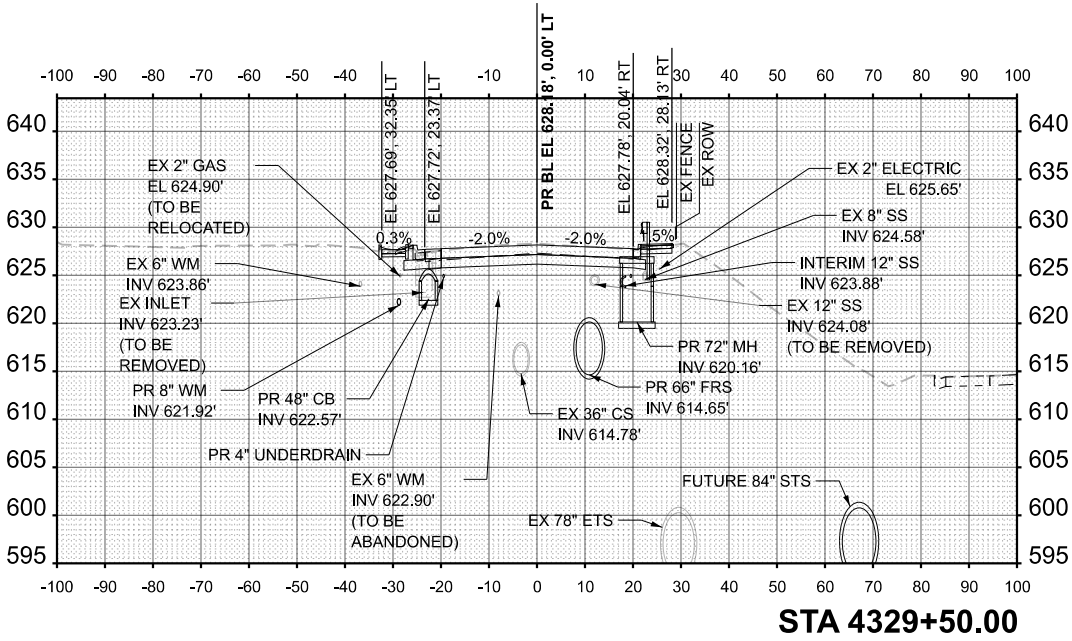
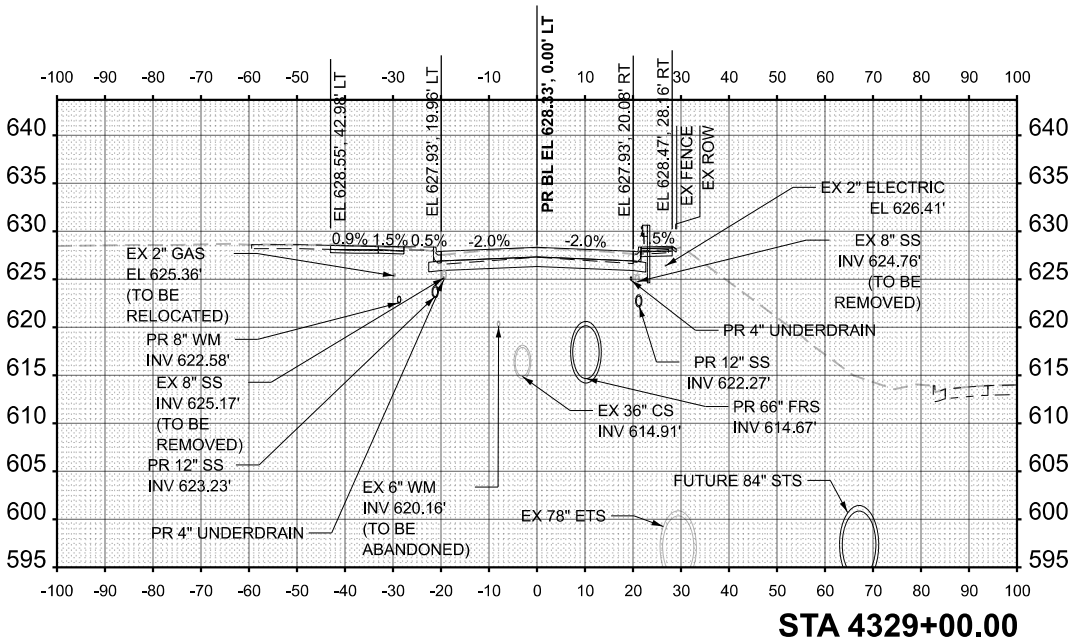
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	DRAWN - LD
	CHECKED - CS
PLOT DATE = 7/17/2026	DATE - 5/22/2026

REVISED -	REVISED -
REVISED -	REVISED -
REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V	SHEET 12 OF 91 SHEETS	STA. 4329+00.00	TO STA. 4330+50.00
FILE RTE: 290	SECTION 2024-091-DR	COUNTY COOK	TOTAL SHEET SHEETS NO. 464 385
ILLINOIS	FED. AID PROJECT 9WUW(875)	CONTRACT NO. 62X09	



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USER NAME = kbaoust

DESIGNED - LD

DRAWN - LD

CHECKED - CS

DATE = 7/17/2026

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V SHEET 13 OF 91 SHEETS STA. 4330+90.00 TO STA. 4332+00.00

F&M RTE. 290

SECTION 2024-091+DR

COUNTY COOK

CONTRACT NO. 62X09

TOTAL SHEET SHEETS NO. 484

386

STA 4330+90.00

This cross-section diagram shows the road profile and existing utilities at station 4330+90.00. The horizontal axis represents offset from the centerline (0.00' LT to 100' RT), and the vertical axis represents elevation (590' to 640').

Key Features:

- Profile:** PR BL EL 628.36', 0.00' LT. Slopes: 1.5%, 1.8%, -2.0%, -2.0%, 1.5%.
- Existing Utilities (EX):**
 - EX 2" ELECTRIC EL 626.59'
 - EX 2" GAS EL 625.46'
 - EX 6" WATER INV 621.53' (TO BE ABANDONED)
 - EX 36" CS INV 615.01'
 - EX 78" ETS INV 593.61'
 - EX 2" ELECTRIC EL 625.37'
- Proposed Improvements (PR):**
 - PR 8" WATER INV 622.22'
 - PR 4" UNDERDRAIN
 - PR 66" FRS INV 614.48'
 - FUTURE 84" STS INV 593.61'
- Right-of-Way (ROW):** EX ROW EL 628.22', 33.33' LT; EX ROW EL 627.96', 20.07' LT; EX ROW EL 627.94', 20.92' RT; EX ROW EL 628.48', 29.00' RT; EX ROW EL 625.32', 38.47' RT.

STA 4331+00.00

This cross-section diagram shows the road profile and existing utilities at station 4331+00.00. The horizontal axis represents offset from the centerline (0.00' LT to 100' RT), and the vertical axis represents elevation (595' to 640').

Key Features:

- Profile:** PR BL EL 628.39', 0.00' LT. Slopes: 1.5%, 0.1%, -2.0%, -2.0%, 1.5%.
- Existing Utilities (EX):**
 - EX 2" ELECTRIC EL 626.44'
 - EX 2" GAS EL 625.49' (TO BE RELOCATED)
 - EX 6" WM INV 622.32' (TO BE ABANDONED)
 - EX 36" CS INV 614.54'
 - EX 78" ETS
 - EX 2" ELECTRIC EL 625.18'
 - EX 2" ELECTRIC EL 614.24'
- Proposed Improvements (PR):**
 - PR 8" WM INV 622.53'
 - PR 4" UNDERDRAIN
 - PR 66" FRS INV 614.58'
 - FUTURE 84" STS
- Right-of-Way (ROW):** EX ROW EL 628.14', 33.47' LT; EX ROW EL 627.99', 20.06' LT; EX ROW EL 627.95', 21.77' RT; EX ROW EL 628.49', 29.15' RT; EX FENCE EX ROW.

STA 4331+50.00

This cross-section diagram shows the road profile and existing utilities at station 4331+50.00. The horizontal axis represents offset from the centerline (0.00' LT to 100' RT), and the vertical axis represents elevation (595' to 640').

Key Features:

- Profile:** PR BL EL 628.24', 0.00' LT. Slopes: 1.5%, -3.7%, -2.0%, -2.0%, 1.5%.
- Existing Utilities (EX):**
 - EX 2" GAS EL 625.31' (TO BE RELOCATED)
 - EX 6" WM INV 621.23' (TO BE ABANDONED)
 - EX 36" CS INV 614.47'
 - EX 78" ETS
 - EX 2" ELECTRIC EL 625.20'
 - EX 2" ELECTRIC EL 615.99'
- Proposed Improvements (PR):**
 - PR 8" WM INV 622.50'
 - PR 4" UNDERDRAIN
 - PR 66" FRS INV 614.55'
 - FUTURE 84" STS
- Right-of-Way (ROW):** EX ROW EL 628.12', 33.03' LT; EX ROW EL 627.84', 19.93' LT; EX ROW EL 627.64', 29.79' RT; EX ROW EL 628.15', 35.50' RT; EX FENCE EX ROW.

STA 4332+00.00

This cross-section diagram shows the road profile and existing utilities at station 4332+00.00. The horizontal axis represents offset from the centerline (0.00' LT to 100' RT), and the vertical axis represents elevation (600' to 640').

Key Features:

- Profile:** PR BL EL 628.49', 0.00' LT. Slopes: 1.5%, -0.5%, -2.0%, -2.0%, 1.5%, 1.3%.
- Existing Utilities (EX):**
 - EX 2" GAS EL 625.07' (TO BE RELOCATED)
 - PR 8" WM INV 622.41'
 - EX 6" WM INV 621.85' (TO BE ABANDONED)
 - EX 36" CS INV 614.39'
 - EX 78" ETS
 - EX 2" ELECTRIC EL 625.20'
 - EX 2" ELECTRIC EL 618.15'
- Proposed Improvements (PR):**
 - PR 4" UNDERDRAIN
 - PR 66" FRS INV 614.53'
 - FUTURE 84" STS
- Right-of-Way (ROW):** EX ROW EL 627.32', 32.18' LT; EX ROW EL 627.62', 20.11' LT; EX ROW EL 627.33', 38.24' RT; EX ROW EL 627.82', 43.27' RT; EX ROW EL 625.13', 51.33' RT; EX FENCE EX ROW.

HNTB

USER NAME = kbaoust

DESIGNED - LD

DRAWN - LD

CHECKED - CS

DATE = 7/17/2026

REVISIONS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40FT, 1"=20' SHEET 14 OF 91 SHEETS STA. 4332+50.00 TO STA. 4334+00.00

FEAL RTE. 290

SECTION 2024-091+DR

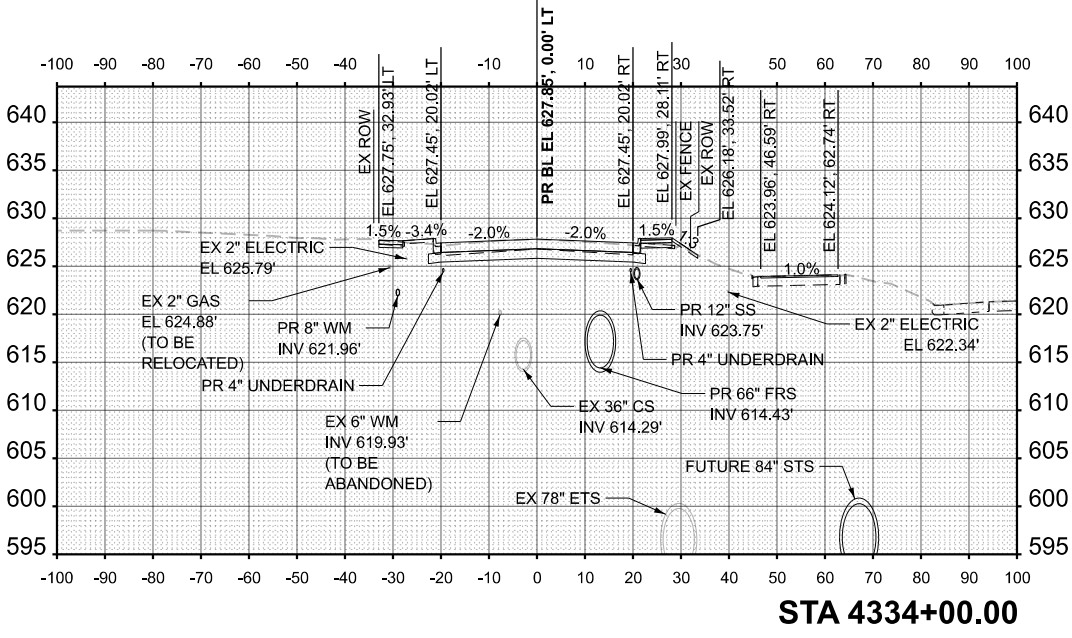
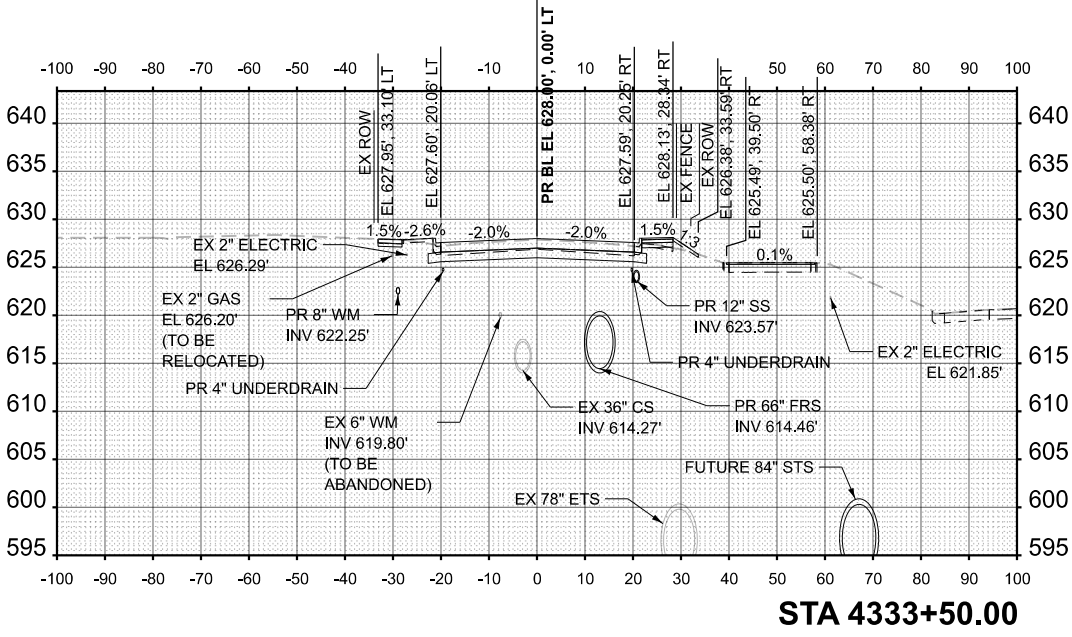
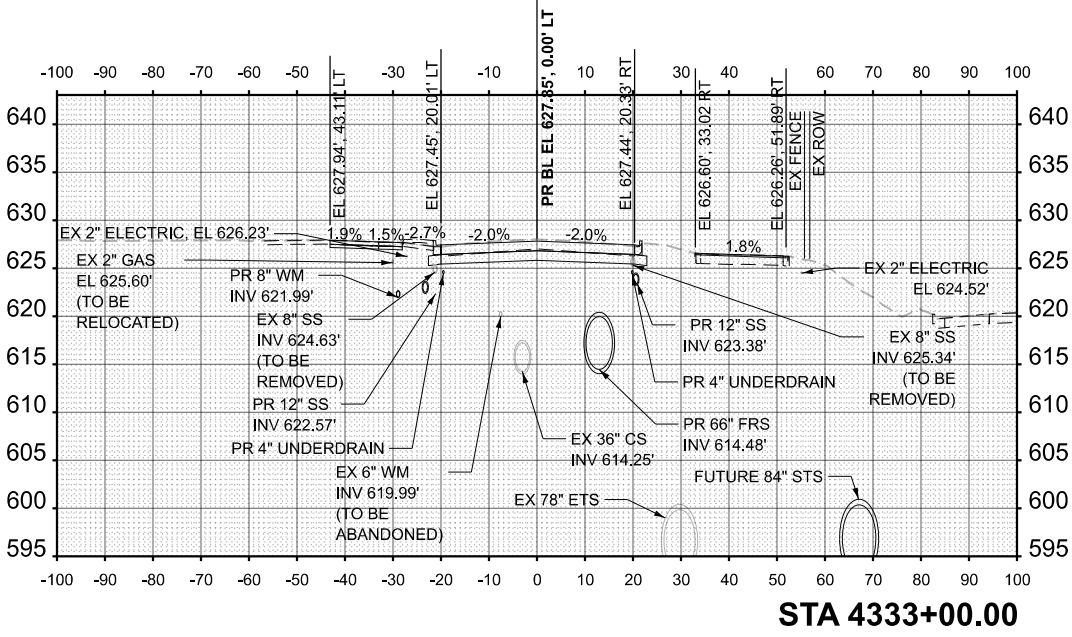
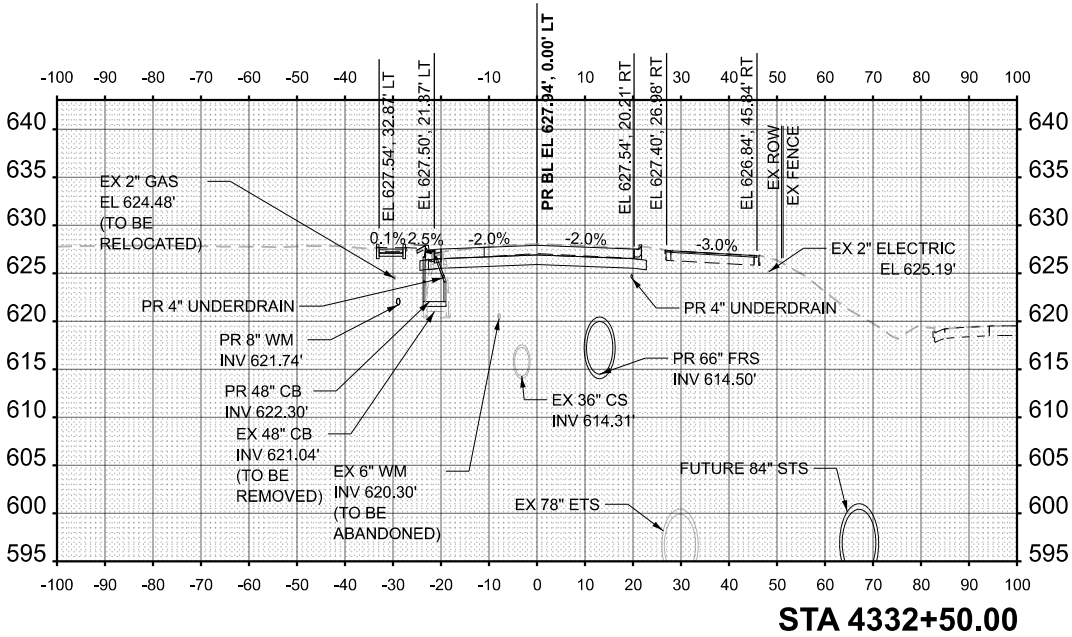
COUNTY COOK

CONTRACT NO. 62X09

TOTAL SHEET SHEETS NO. 464

387

ILLINOIS FED. AID PROJECT 694W(875)



HNTB

USER NAME = kbaout

DESIGNED - LD

DRAWN - LD

CHECKED - CS

DATE = 7/17/2026

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V SHEET 15 OF 91 SHEETS STA. 4334+14.00 TO STA. 4334+59.00

FILE
RTE. 290

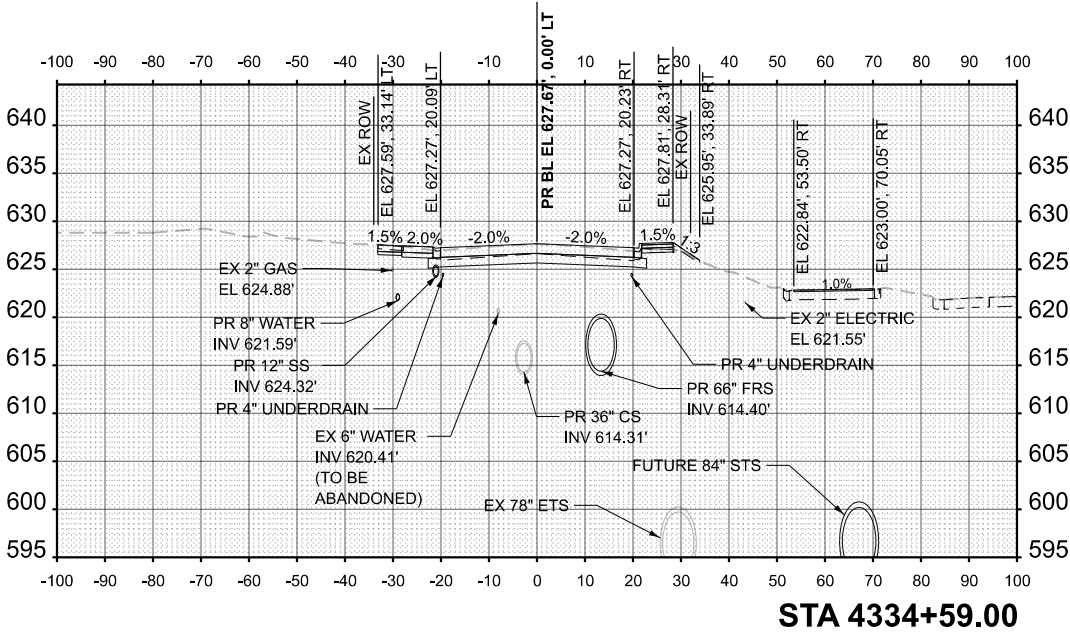
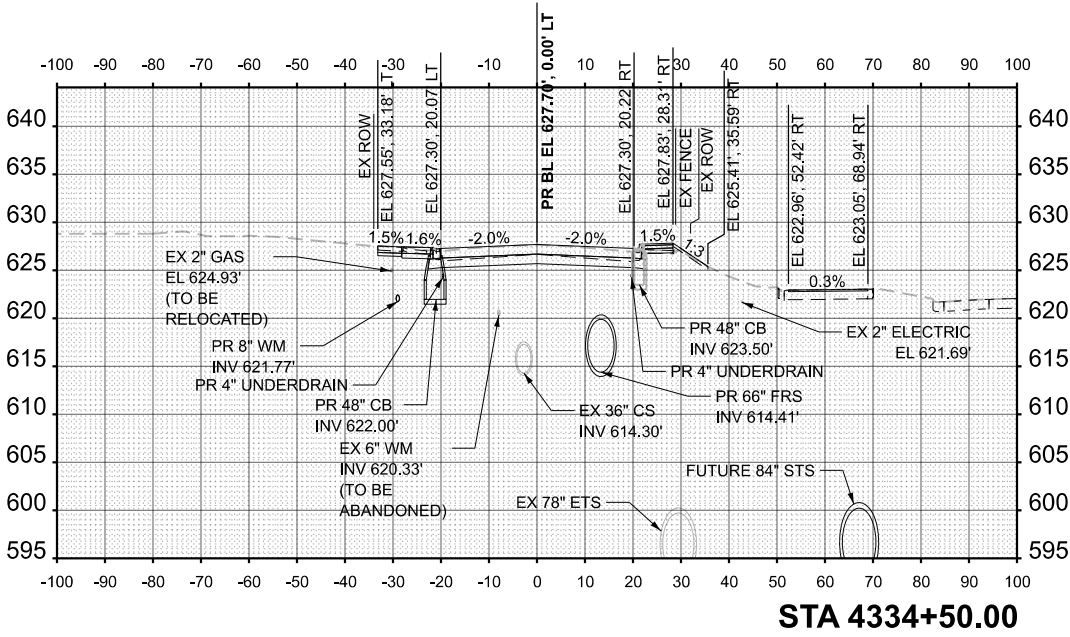
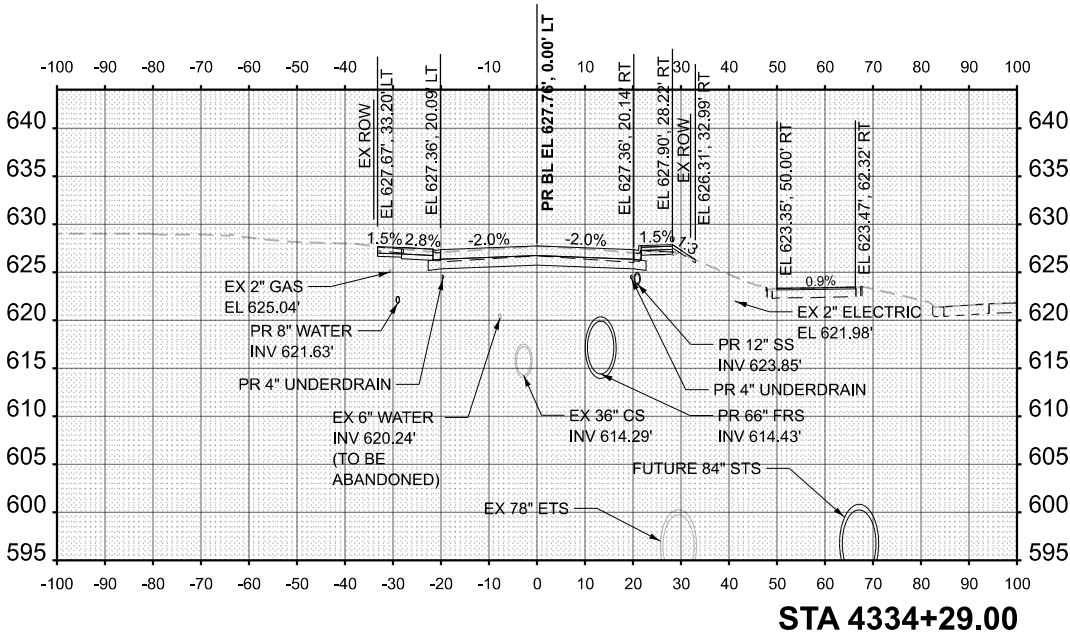
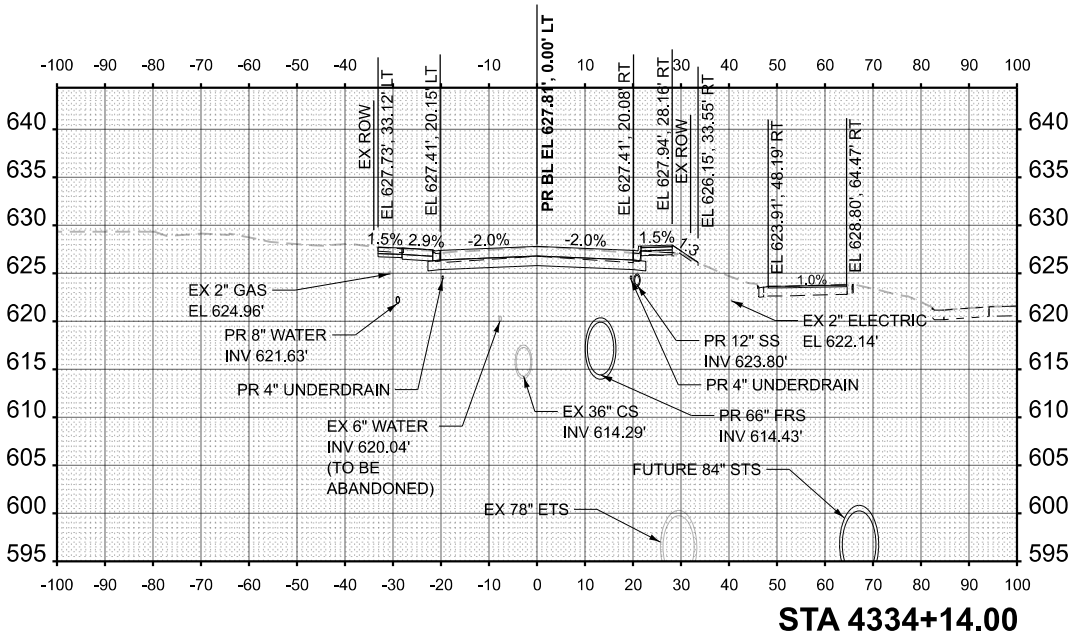
SECTION
2024-091-DR

COUNTY
COOK

TOTAL SHEET
SHEETS NO. 464

CONTRACT NO. 62X09

388



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NOTE BOOK	SURVEYED _____		
	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

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

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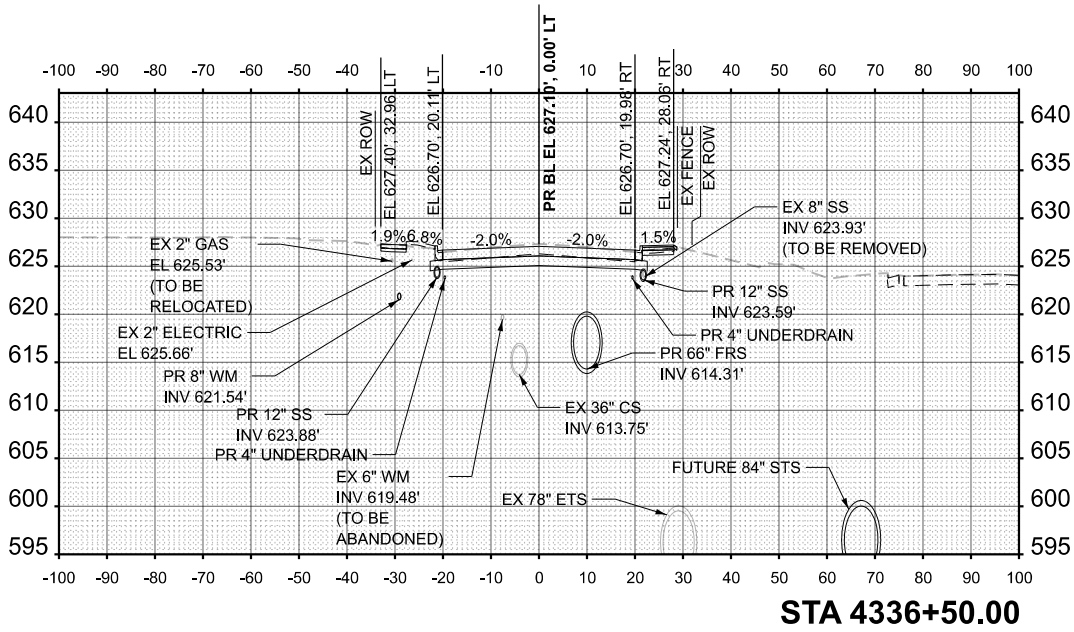
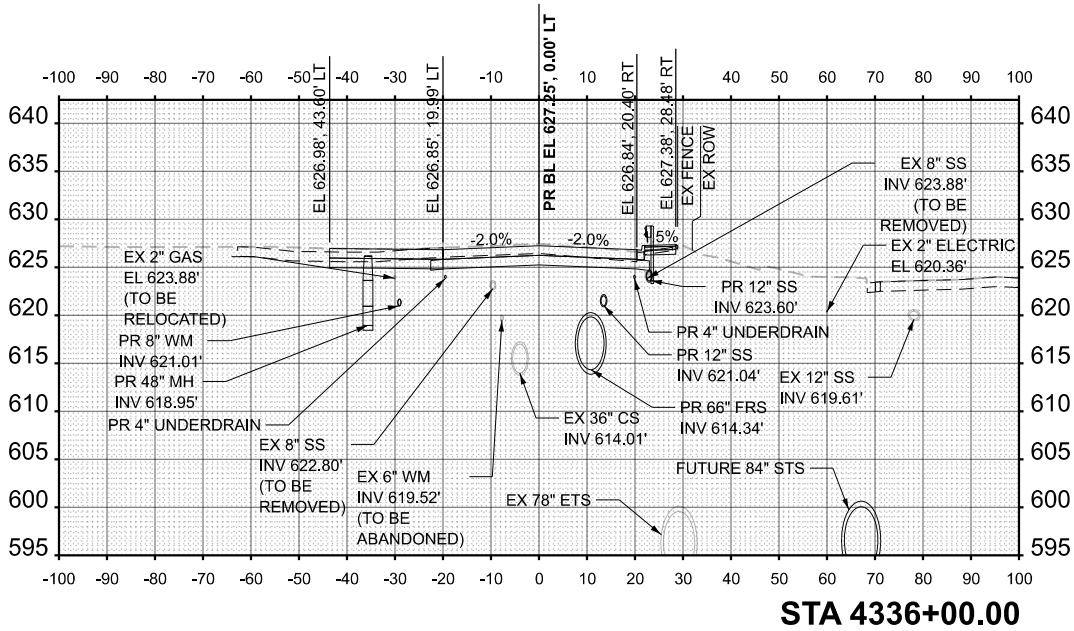
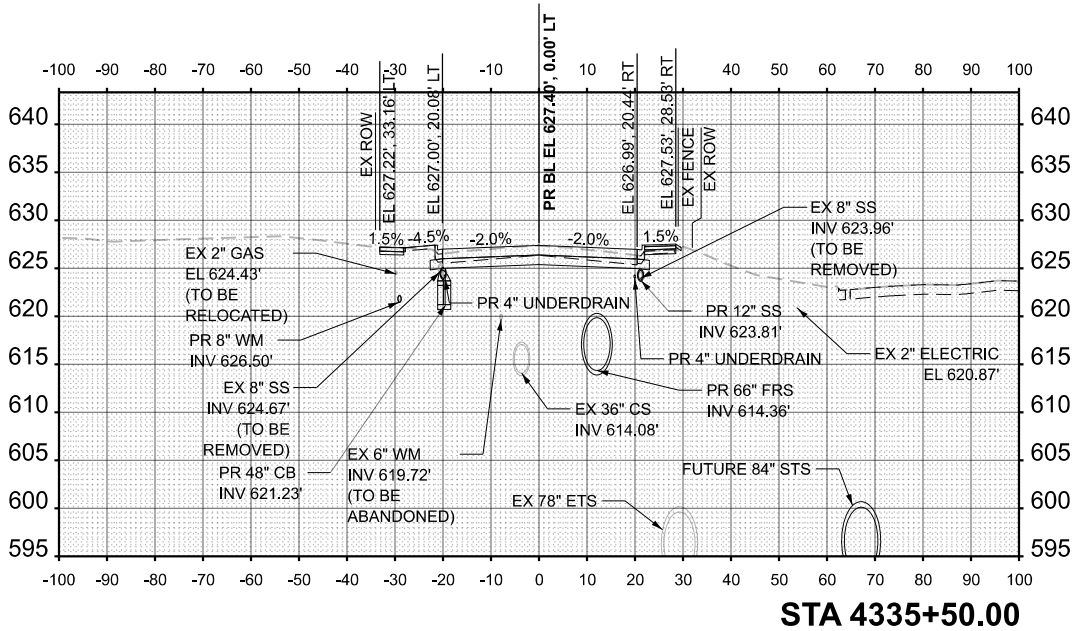
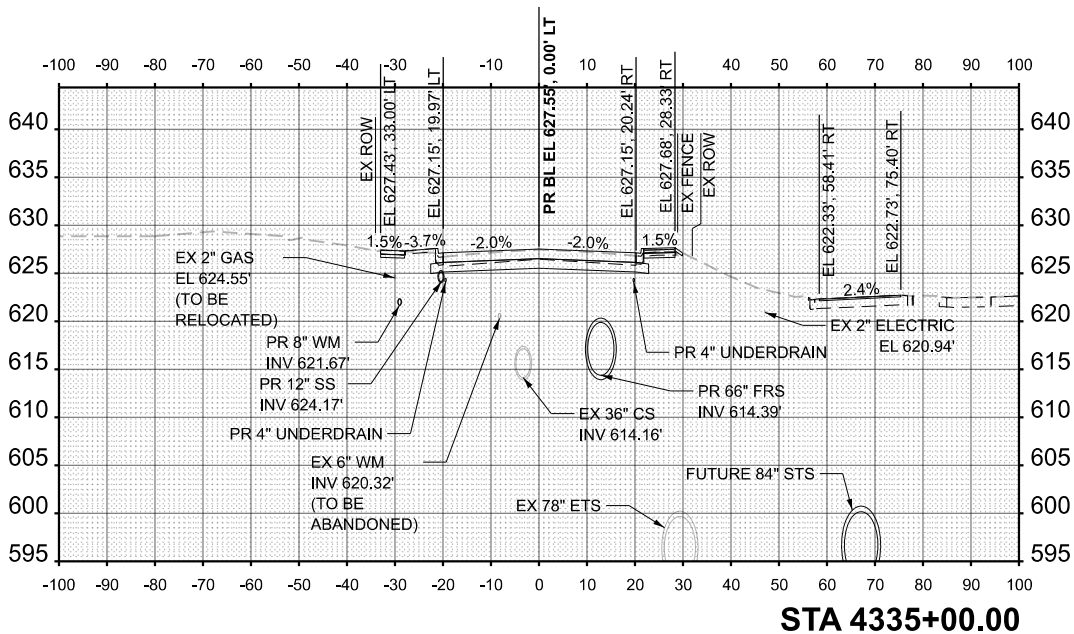
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	DRAWN - LD
	CHECKED - CS
PLT DATE = 7/17/2026	DATE - 5/22/2026

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
290	2024-991-DR	COOK	464 389
		CONTRACT NO. 62X09	
ILLINOIS FED. AID PROJECT 6MUM(875)			



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NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

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

HNTB

USER NAME = kbaoust
PLOT DATE = 7/17/2026

DESIGNED - LD
DRAWN - LD
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DATE - 5/22/2026

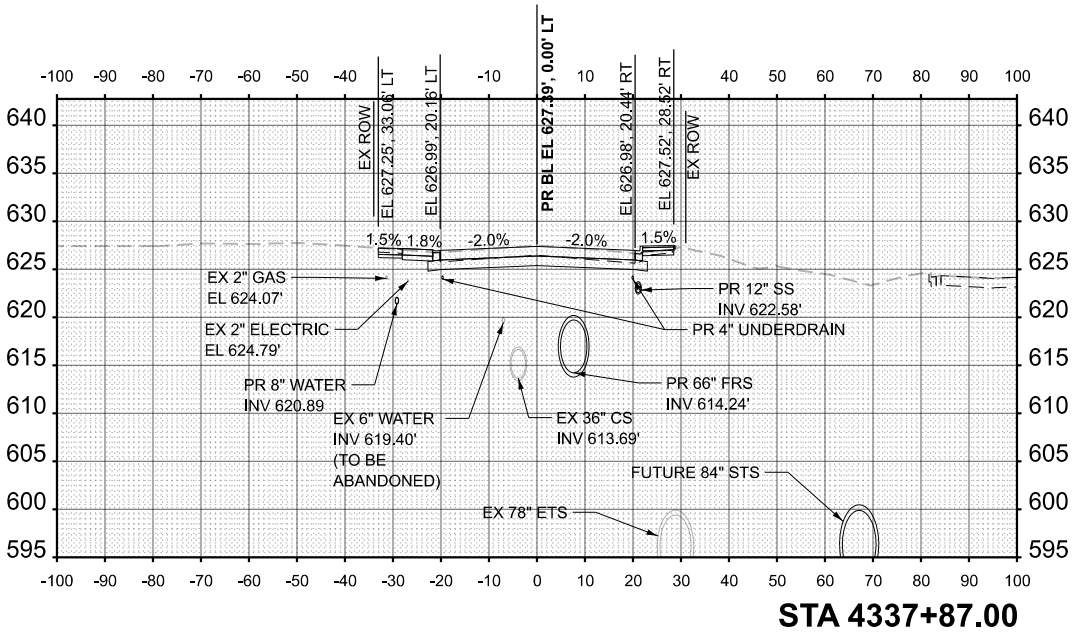
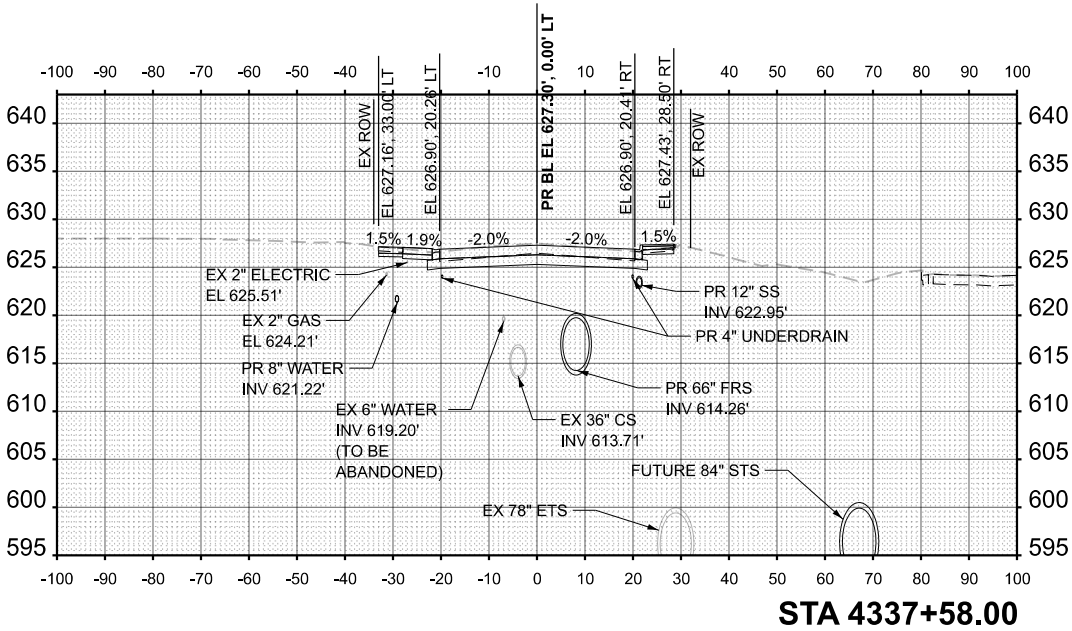
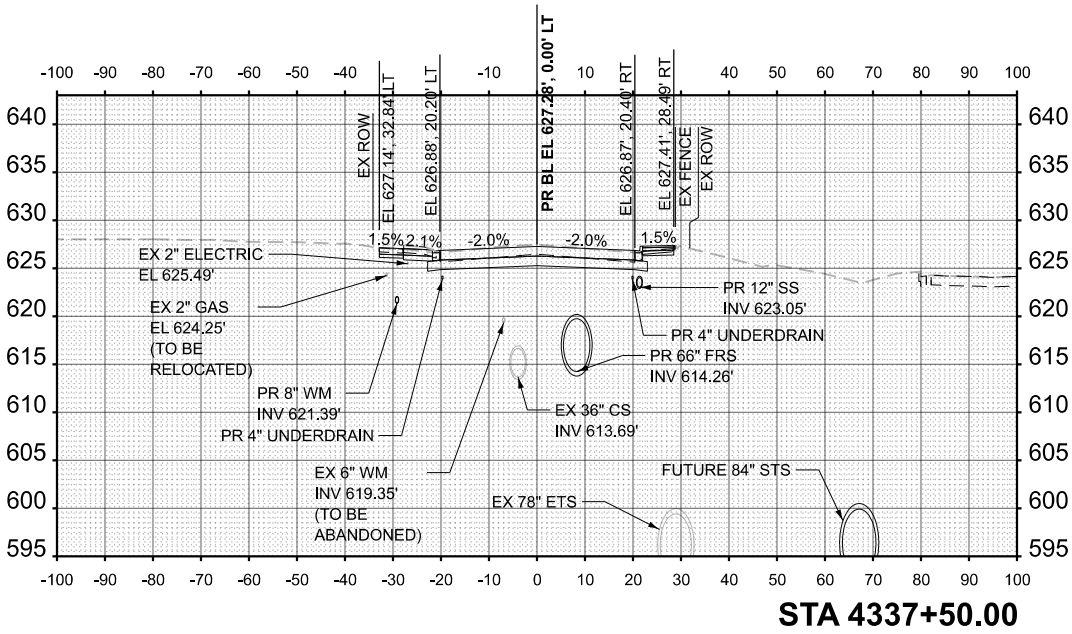
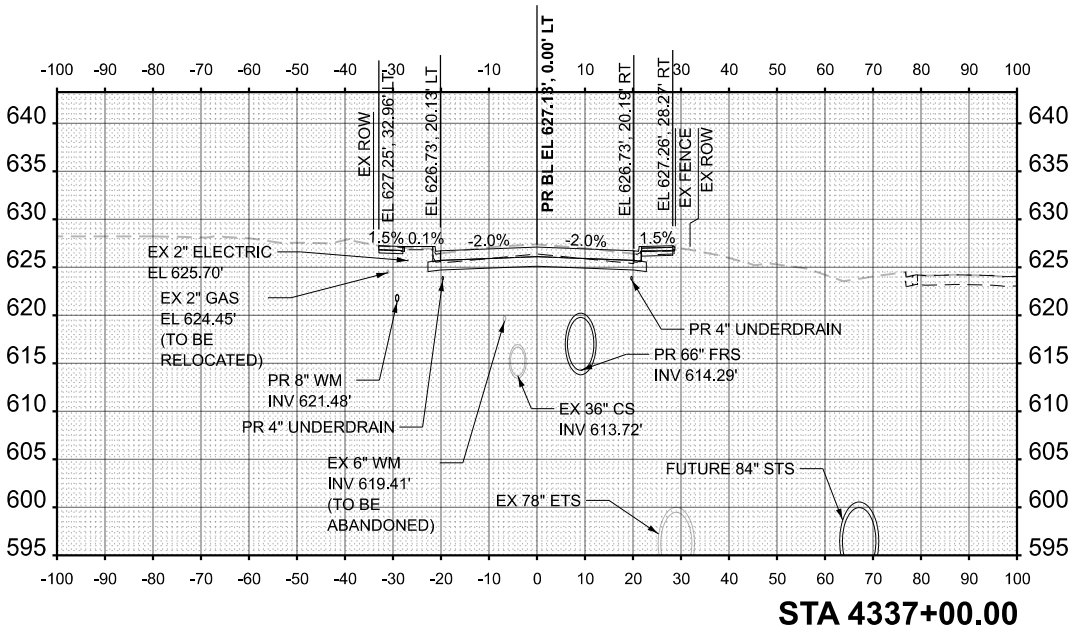
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V SHEET 17 OF 91 SHEETS STA. 4337+00.00 TO STA. 4337+87.00

FILE RTE: 290	SECTION 2024-091-DR	COUNTY COOK	TOTAL SHEET NO. 484
ILLINOIS	FED. AID PROJECT 9WUW(875)	CONTRACT NO. 62X09	390



HNTB

USER NAME = kbaoust

DESIGNED - LD

DRAWN - LD

CHECKED - CS

DATE = 7/17/2026

REVISIONS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V SHEET 18 OF 91 SHEETS STA. 4338+00.00 TO STA. 4339+50.00

FILED
RTE. 290

SECTION
2024-09-10R

COUNTY
COOK

TOTAL SHEET
SHEETS NO. 464

CONTRACT NO. 62X09

ILLINOIS
FED. AID PROJECT 6WAW875

391

STA 4338+00.00

This cross-section diagram shows the profile of the road at station 4338+00.00. The vertical axis represents elevation in feet, ranging from 595 to 640. The horizontal axis represents stationing from -100 to 100. Key features include: EX 2" GAS (EL 624.07', TO BE RELOCATED), EX 2" ELECTRIC (EL 623.34'), PR 8" WM (INV 621.39'), PR 4" UNDERDRAIN, EX 6" WM (INV 619.50', TO BE ABANDONED), EX 78" ETS, EX 36" CS (INV 613.66'), PR 66" FRS (INV 614.23'), PR 12" SS (INV 622.42'), PR 4" UNDERDRAIN, EX 627.26' 33.04' LT, EL 627.03' 20.07' LT, PR BL EL 627.43' 0.00' LT, EL 627.02' 20.45' RT, EL 627.56' 28.83' RT, EX FENCE, EX ROW, and FUTURE 84" STS.

STA 4338+50.00

This cross-section diagram shows the profile of the road at station 4338+50.00. The vertical axis represents elevation in feet, ranging from 595 to 640. The horizontal axis represents stationing from -100 to 100. Key features include: EX 2" GAS (EL 624.08', TO BE RELOCATED), PR 8" WM (INV 621.42'), PR 4" UNDERDRAIN, EX 6" WM (INV 620.36', TO BE ABANDONED), EX 78" ETS, EX 36" CS (INV 613.63'), PR 66" FRS (INV 614.21'), PR 12" SS (INV 621.80'), PR 4" UNDERDRAIN, EX 627.16' 33.01' LT, EL 627.00' 20.07' LT, PR BL EL 627.40' 0.00' LT, EL 626.99' 20.22' RT, EL 627.53' 28.37' RT, EX FENCE, EX ROW, and FUTURE 84" STS.

STA 4339+00.00

This cross-section diagram shows the profile of the road at station 4339+00.00. The vertical axis represents elevation in feet, ranging from 595 to 640. The horizontal axis represents stationing from -100 to 100. Key features include: EX 2" GAS (EL 624.03', TO BE RELOCATED), EX 8" SS (INV 624.04', TO BE REMOVED), PR 8" WM (INV 621.32'), PR 4" UNDERDRAIN, PR 12" SS (INV 622.33'), EX 6" WM (INV 619.98', TO BE ABANDONED), EX 78" ETS, EX 36" CS (INV 613.60'), PR 66" FRS (INV 614.18'), PR 12" SS (INV 621.96'), PR 4" UNDERDRAIN, INTERIM 12" SS (INV 623.97'), EX 627.04' 32.97' LT, EL 626.85' 19.98' LT, PR BL EL 627.25' 0.00' LT, EL 626.84' 20.35' RT, EL 627.12' 28.27' RT, EX FENCE, EX ROW, and FUTURE 84" STS.

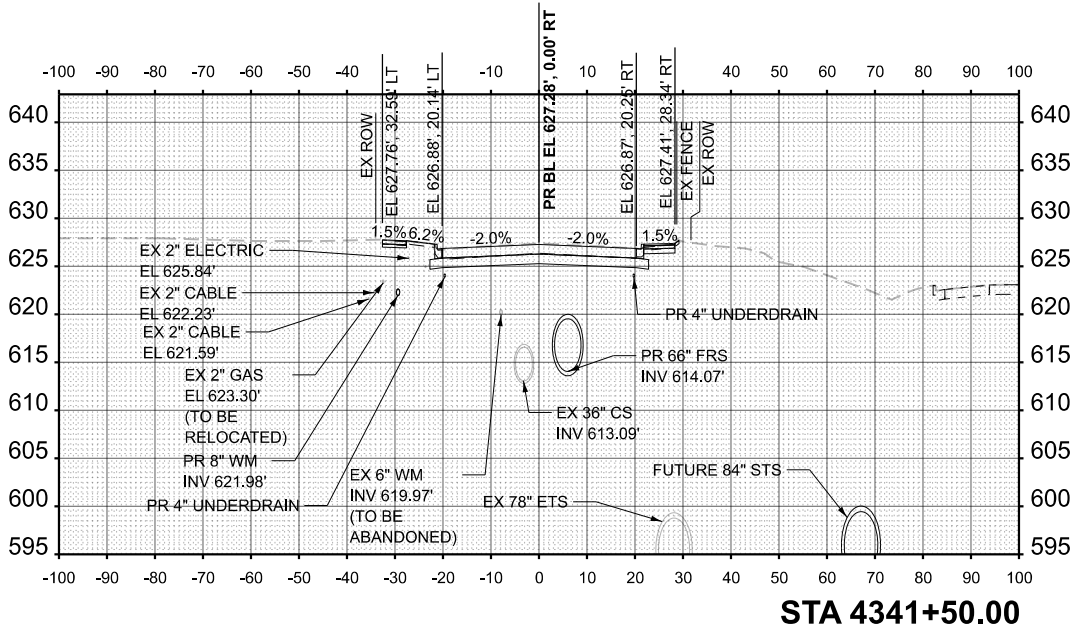
STA 4339+50.00

This cross-section diagram shows the profile of the road at station 4339+50.00. The vertical axis represents elevation in feet, ranging from 595 to 640. The horizontal axis represents stationing from -100 to 100. Key features include: EX 2" GAS (EL 622.37', TO BE RELOCATED), EX 6" WM (INV 621.87'), PR 8" WM (INV 620.56'), PR 12" SS (INV 622.13'), PR 4" UNDERDRAIN, EX 8" SS (INV 621.05', TO BE REMOVED), EX 6" WM (INV 620.08', TO BE ABANDONED), EX 78" ETS, EX 36" CS (INV 613.41'), PR 66" FRS (INV 614.16'), PR 4" UNDERDRAIN, EX 8" SS (INV 622.67'), EX 627.28' 28.92' LT, EL 627.00' 20.09' LT, PR BL EL 627.10' 0.00' LT, EL 626.70' 20.17' RT, EL 627.24' 28.19' RT, EX FENCE, EX ROW, and FUTURE 84" STS.

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

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

RTE.	SECTION	COUNT	SHEETS	NO.
290	2024-991-DR	COOK	464	392
CONTRACT NO. 62X09				
ILLINOIS		FED. AID PROJECT 6WLM(875)		



HNTB

USER NAME = kbaoust

DESIGNED - LD

DRAWN - LD

CHECKED - CS

DATE = 7/17/2026

REVIS

REVIS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V SHEET 20 OF 91 SHEETS STA. 4342+00.00 TO STA. 4343+50.00

F&M
RTE. 290

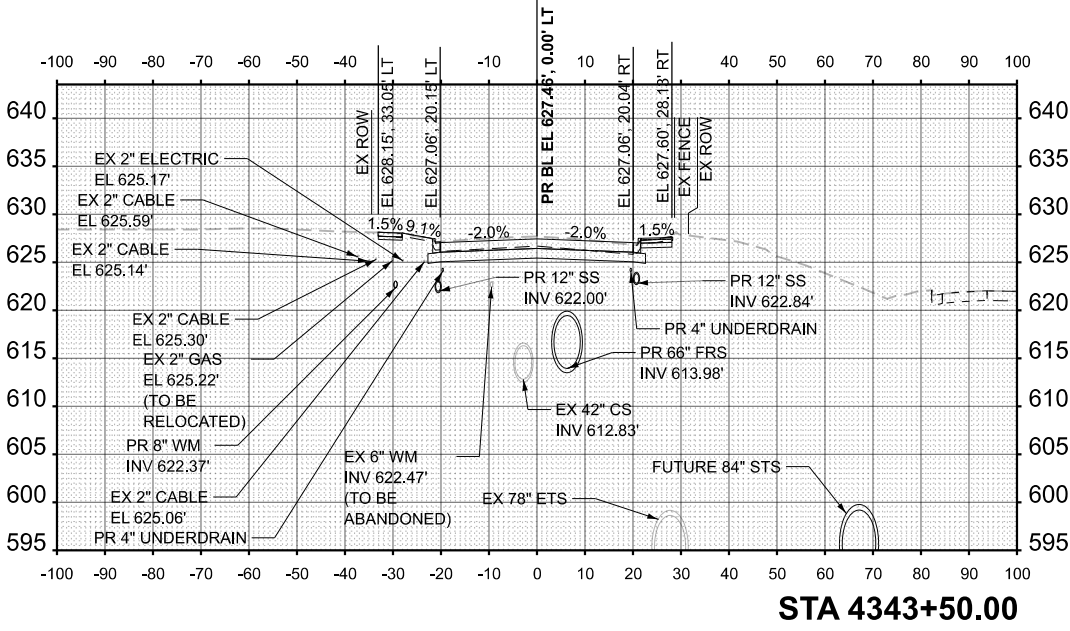
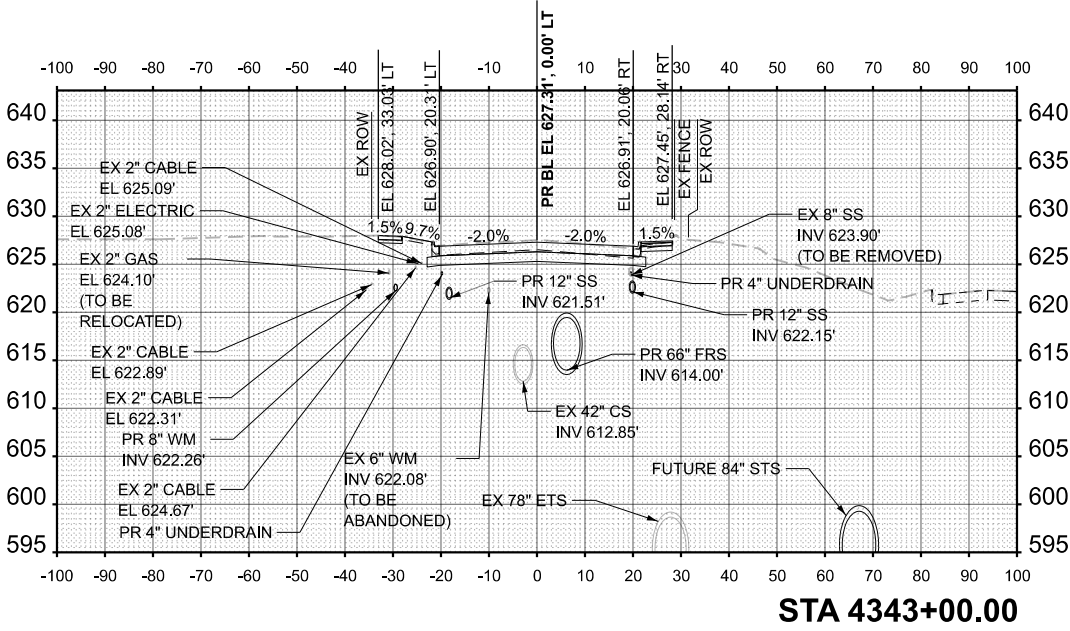
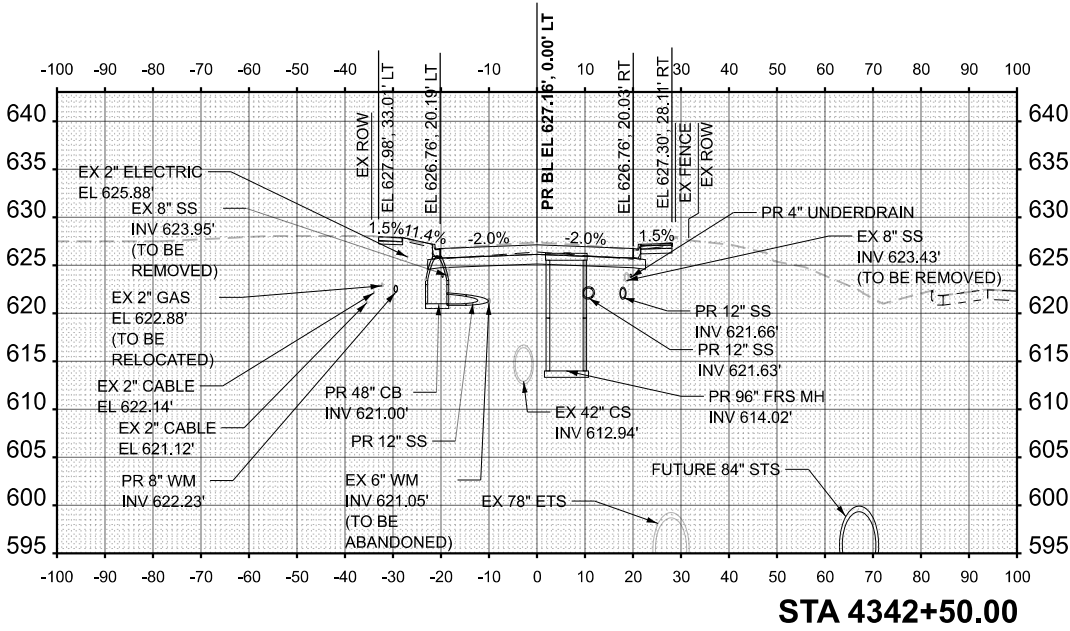
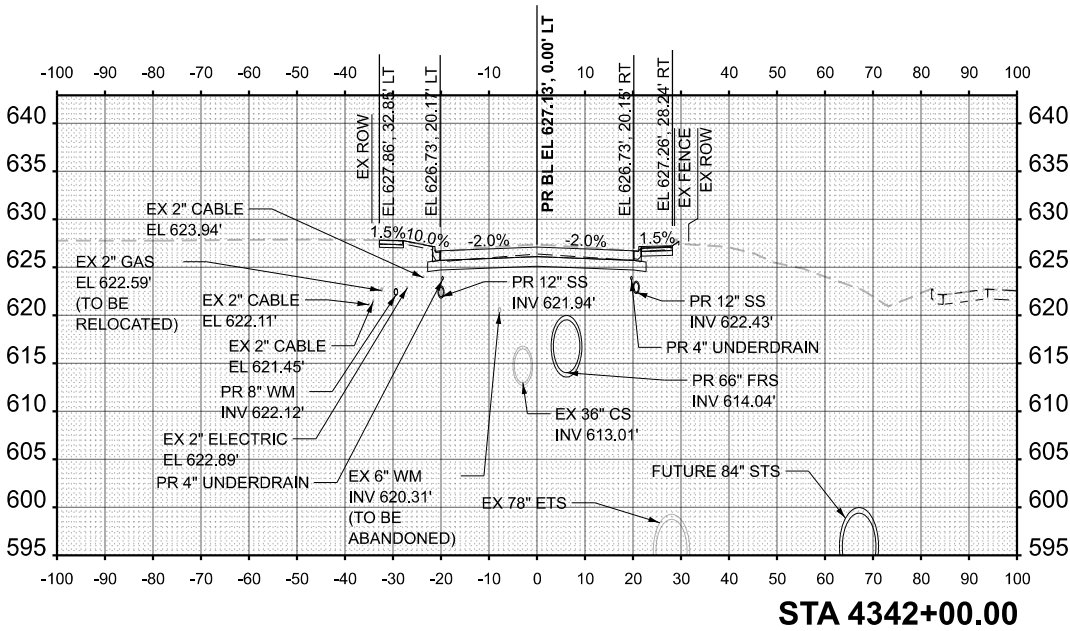
SECTION
2024-09-10-DR

COUNTY
COOK

CONTRACT NO. 62X09

TOTAL SHEET
SHEETS NO. 464

393



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

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

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INTB

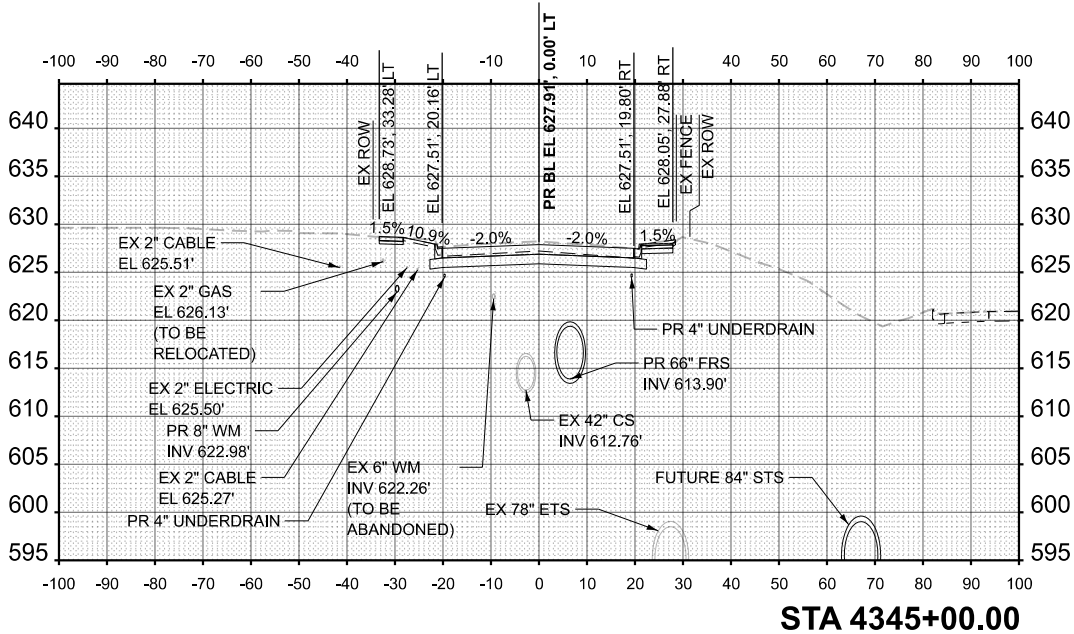
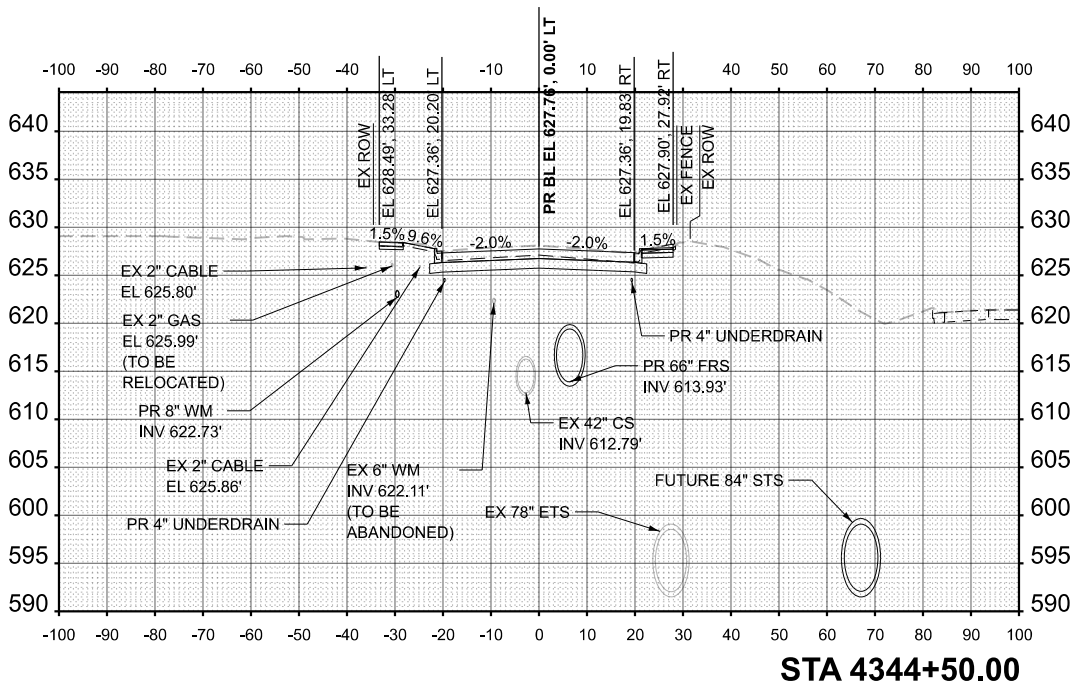
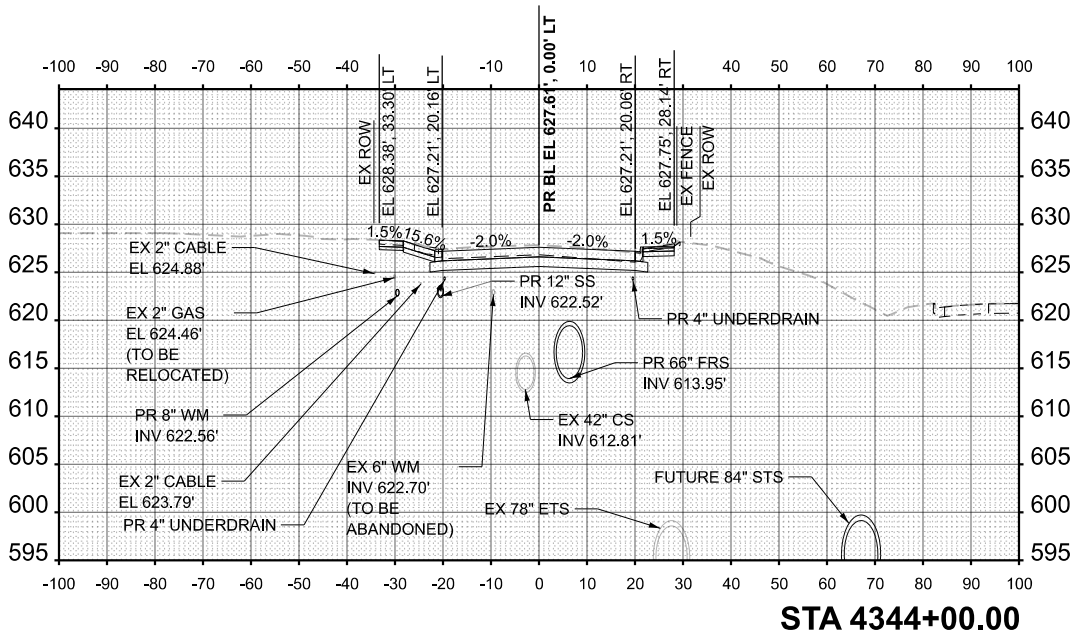
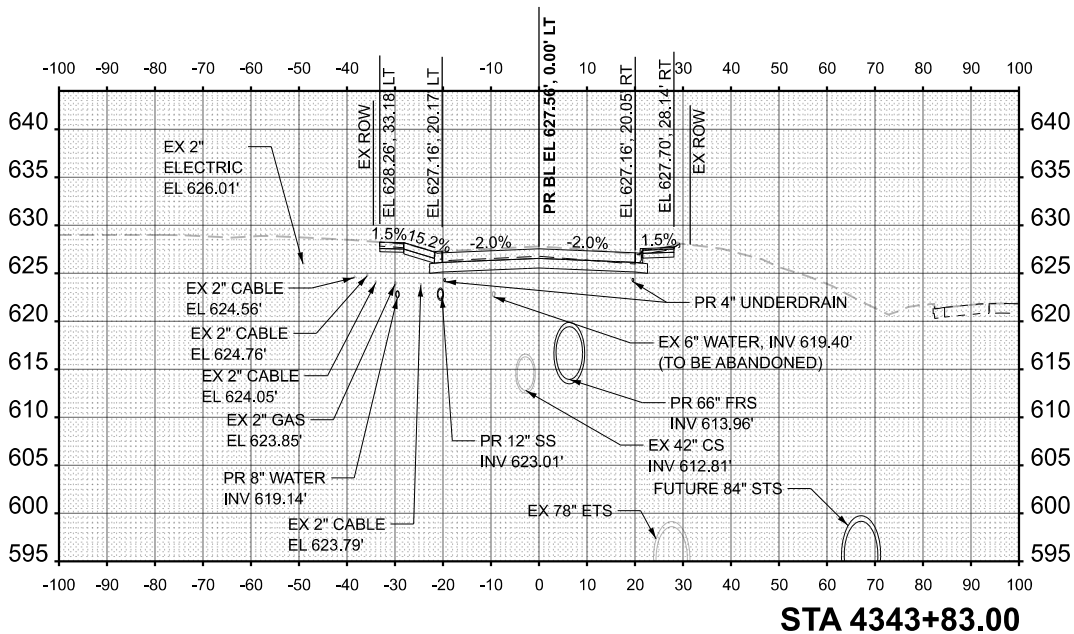
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REVISED
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2024-991-DR	COOK	464	394
		CONTRACT NO. 62X09		
ILLINOIS FED. AID PROJECT 604(M/875)				



HNTB

USER NAME = Mbaout

DESIGNED - LD

DRAWN - LD

CHECKED - CS

DATE = 7/17/2026

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST

I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V SHEET 22 OF 91 SHEETS STA. 4356+50.00 TO STA. 4347+00.00

FINAL
RTE. 290

SECTION
2024-09-1-DR

COUNTY
COOK

CONTRACT NO. 62X09

TOTAL SHEET
SHEETS NO. 464

395

This cross-section diagram for STA 4345+50.00 illustrates the existing and proposed infrastructure. The horizontal axis represents stationing from -100 to 100, and the vertical axis represents elevation from 590 to 645 feet. Key features include:

- Existing Infrastructure:** EX 2" GAS (EL 624.94', TO BE RELOCATED), EX 2" ELECTRIC (EL 623.60'), EX 2" CABLE (EL 622.78'), EX 6" WM (INV 623.52', TO BE ABANDONED), EX 42" CS (INV 612.74'), EX 12" SS, EX 48" MH, EX 24" SS (INV 605.20'), EX 2" CABLE (EL 620.65'), EX ETS MH (INV 591.98'), EX 4" UNDERDRAIN, EX ROW, EX FENCE, EX ROW.
- Proposed Infrastructure:** PR 8" WM (INV 623.24'), PR 4" UNDERDRAIN, PR 48" RISER MH, PR 66" FRS (INV 613.88'), PR 12" SS (INV 623.42'), PR 66" FRS (INV 613.86'), PR 12" CS (INV 612.72'), PR 12" SS (INV 623.78'), PR 4" UNDERDRAIN, PR 66" FRS (INV 613.84'), PR 12" CS (INV 612.72'), PR 12" SS (INV 623.78'), PR 4" UNDERDRAIN, PR 66" FRS (INV 613.84'), PR 12" CS (INV 612.72'), PR 12" SS (INV 623.78').
- Grading and Slopes:** 1.5%, 2.0%, 2.0%, 1.5%.
- Other Features:** EX 6" WM (INV 624.14', TO BE ABANDONED), EX 8" SS (INV 625.34', TO BE REMOVED), EX 42" CS (INV 612.72', TO BE REMOVED), INTERIM 42" CS (INV 612.72'), FUTURE 84" STS (INV 591.96').

This cross-section diagram for STA 4346+00.00 illustrates the existing and proposed infrastructure. The horizontal axis represents stationing from -100 to 100, and the vertical axis represents elevation from 590 to 640 feet. Key features include:

- Existing Infrastructure:** EX 2" GAS (EL 626.57', TO BE RELOCATED), EX 2" ELECTRIC (EL 627.14'), EX 2" CABLE (EL 625.24'), EX 6" WM (INV 624.14', TO BE ABANDONED), EX 8" SS (INV 625.34', TO BE REMOVED), EX 42" CS (INV 612.72', TO BE REMOVED), EX 78" ETS (INV 591.96'), EX 4" UNDERDRAIN, EX ROW, EX FENCE, EX ROW.
- Proposed Infrastructure:** PR 8" WM (INV 623.36'), PR 4" UNDERDRAIN, PR 12" SS (INV 623.42'), PR 66" FRS (INV 613.86'), PR 12" CS (INV 612.72'), PR 12" SS (INV 623.42'), PR 66" FRS (INV 613.86'), PR 12" CS (INV 612.72'), PR 12" SS (INV 623.42'), PR 66" FRS (INV 613.86'), PR 12" CS (INV 612.72'), PR 12" SS (INV 623.42').
- Grading and Slopes:** 1.5%, 2.0%, 2.0%, 1.5%.
- Other Features:** EX 6" WM (INV 624.14', TO BE ABANDONED), EX 8" SS (INV 625.34', TO BE REMOVED), EX 42" CS (INV 612.72', TO BE REMOVED), INTERIM 42" CS (INV 612.72'), FUTURE 84" STS (INV 591.96').

This cross-section diagram for STA 4346+50.00 illustrates the existing and proposed infrastructure. The horizontal axis represents stationing from -100 to 100, and the vertical axis represents elevation from 590 to 640 feet. Key features include:

- Existing Infrastructure:** EX 2" GAS (EL 626.69', TO BE RELOCATED), EX 2" ELECTRIC (EL 627.25'), EX 2" CABLE (EL 626.71'), EX 6" WM (INV 624.43', TO BE ABANDONED), EX 12" CS (INV 622.87', TO BE ABANDONED), EX 42" CS (INV 612.45', TO BE ABANDONED), EX 78" ETS (INV 591.96'), EX 4" UNDERDRAIN, EX ROW, EX FENCE, EX ROW.
- Proposed Infrastructure:** PR 8" WM (INV 622.83'), PR 4" UNDERDRAIN, PR 12" SS (INV 623.78'), PR 66" FRS (INV 613.84'), PR 12" CS (INV 612.72'), PR 12" SS (INV 623.78'), PR 66" FRS (INV 613.84'), PR 12" CS (INV 612.72'), PR 12" SS (INV 623.78'), PR 66" FRS (INV 613.84'), PR 12" CS (INV 612.72'), PR 12" SS (INV 623.78').
- Grading and Slopes:** 1.5%, 2.0%, 2.0%, 1.5%.
- Other Features:** EX 6" WM (INV 624.43', TO BE ABANDONED), EX 12" CS (INV 622.87', TO BE ABANDONED), EX 42" CS (INV 612.45', TO BE ABANDONED), EX 78" ETS (INV 591.96'), FUTURE 84" STS (INV 591.96').

This cross-section diagram for STA 4347+00.00 illustrates the existing and proposed infrastructure. The horizontal axis represents stationing from -100 to 100, and the vertical axis represents elevation from 590 to 640 feet. Key features include:

- Existing Infrastructure:** EX 2" GAS (EL 626.05'), EX 2" ELECTRIC (EL 626.71'), EX 2" CABLE (EL 625.90'), EX 6" WM (INV 624.41'), EX 12" CS (INV 622.90', TO BE ABANDONED), EX 78" ETS (INV 591.93'), EX 4" UNDERDRAIN, EX ROW, EX FENCE, EX ROW.
- Proposed Infrastructure:** PR 8" WM (INV 623.34'), PR 4" UNDERDRAIN, PR 12" SS (INV 624.12'), PR 66" FRS (INV 613.81'), PR 12" CS (INV 613.05'), PR 12" SS (INV 624.12'), PR 66" FRS (INV 613.81'), PR 12" CS (INV 613.05'), PR 12" SS (INV 624.12'), PR 66" FRS (INV 613.81'), PR 12" CS (INV 613.05'), PR 12" SS (INV 624.12').
- Grading and Slopes:** 1.5%, 2.0%, 2.0%, 1.5%.
- Other Features:** EX 6" WM (INV 624.41'), EX 12" CS (INV 622.90', TO BE ABANDONED), EX 78" ETS (INV 591.93'), FUTURE 84" STS (INV 591.93').

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NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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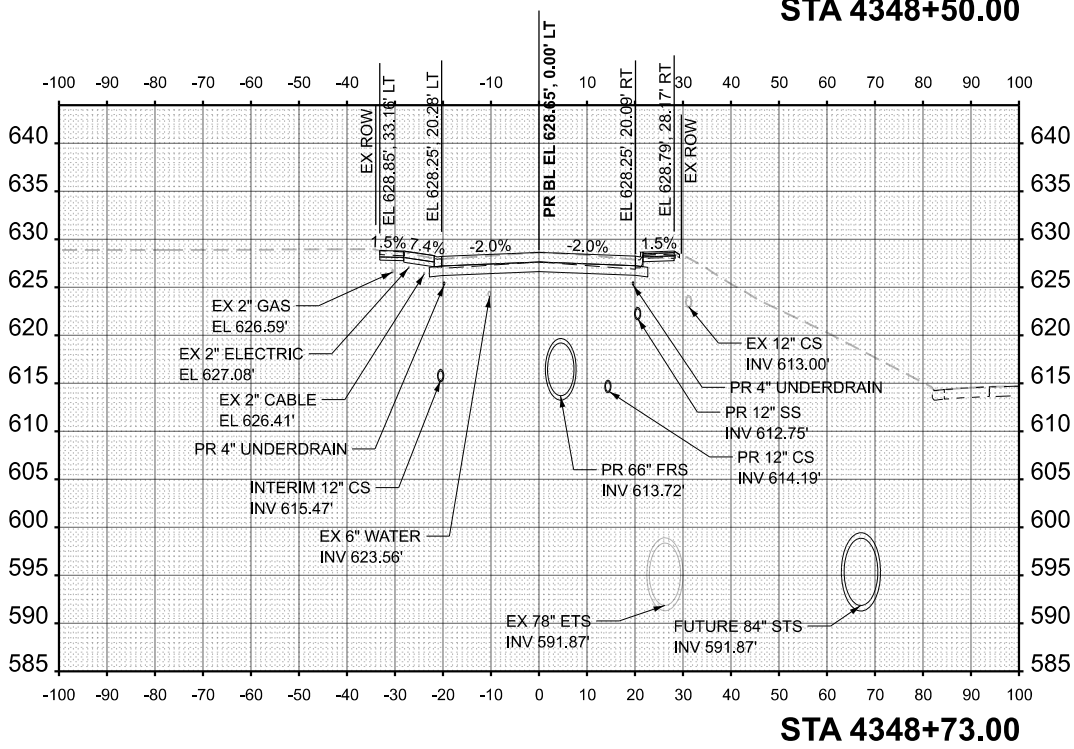
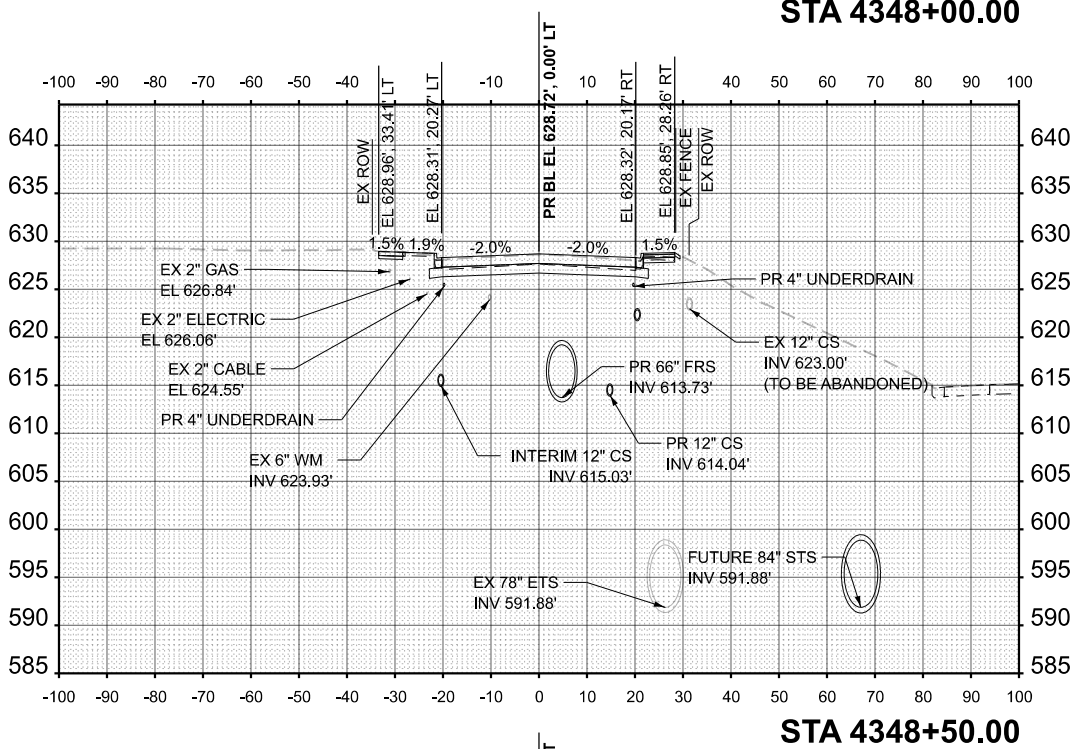
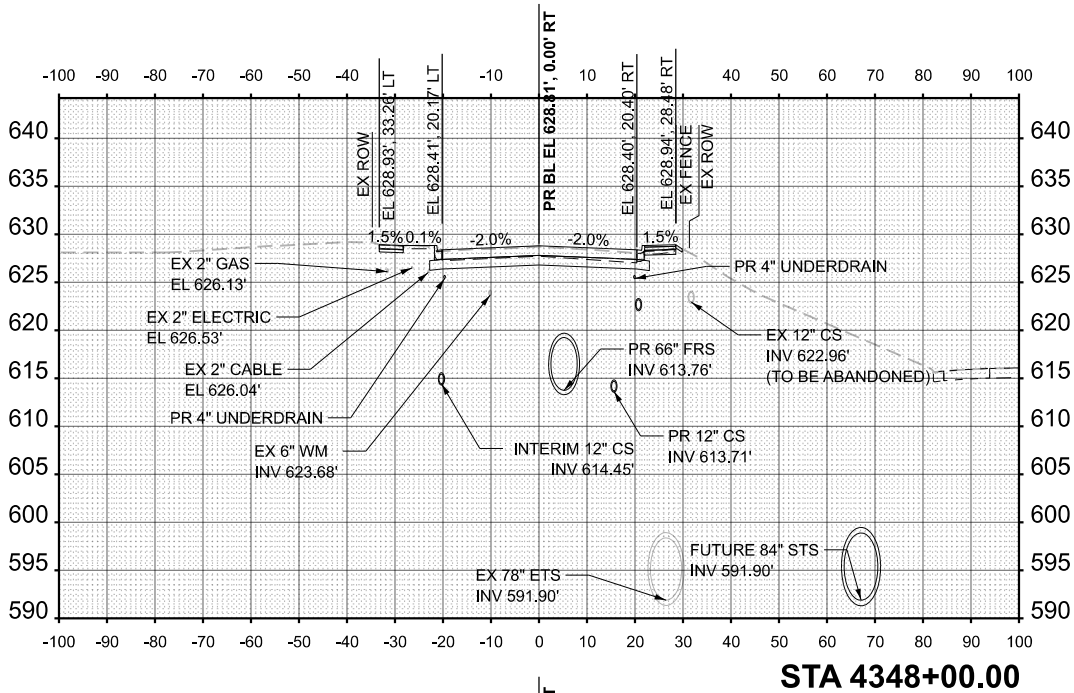
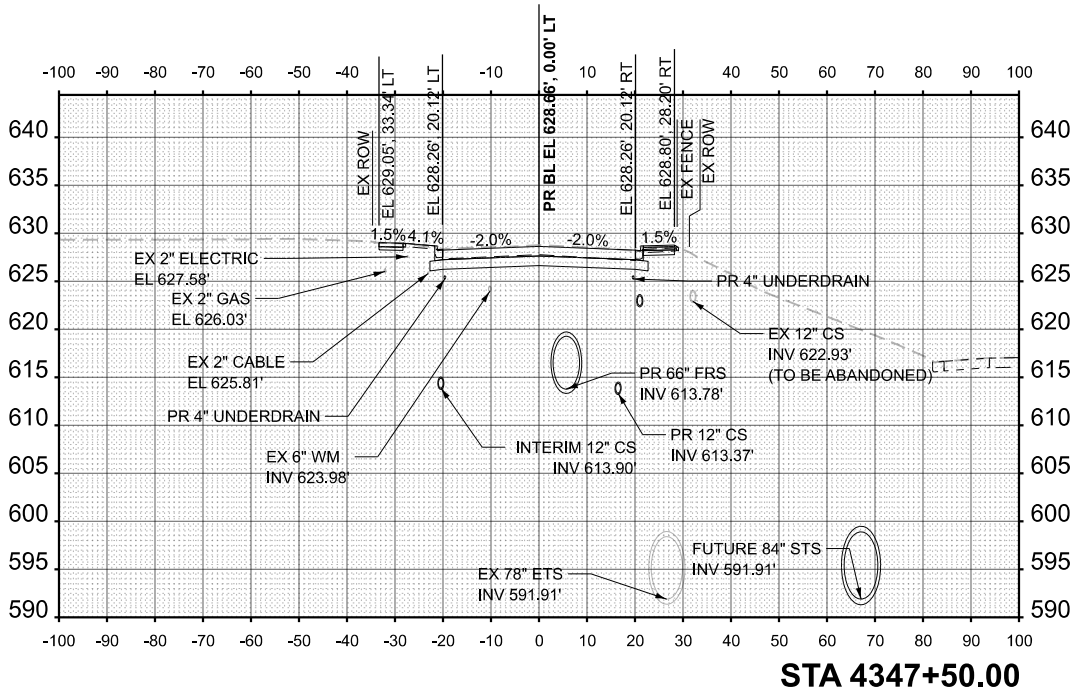
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DATE	= 7/17/2026

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REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER
SCALE: 1"=40'H, 1"=20'V SHEET 23 OF 91 SHEETS STA. 4347+50.00 TO STA. 4348+73.00

FILE RTE.	SECTION	COUNTY	TOTAL SHEET
290	2024-091-DR	COOK	SHEETS NO. 464 396
ILLINOIS	FED. AID PROJECT	CONTRACT NO.	62X09
			6WJW/875



FINAL SURVEY		BY	DATE
	SURVEYED _____		
NOTE BOOK	PLOTTED _____		
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FINAL SURVEY		BY	DATE
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NOTE BOOK	PLOTTED _____		
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COOK	464	3
CONTRACT NO. 62X09		
PROJECT 6W/LW(875)		



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NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

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



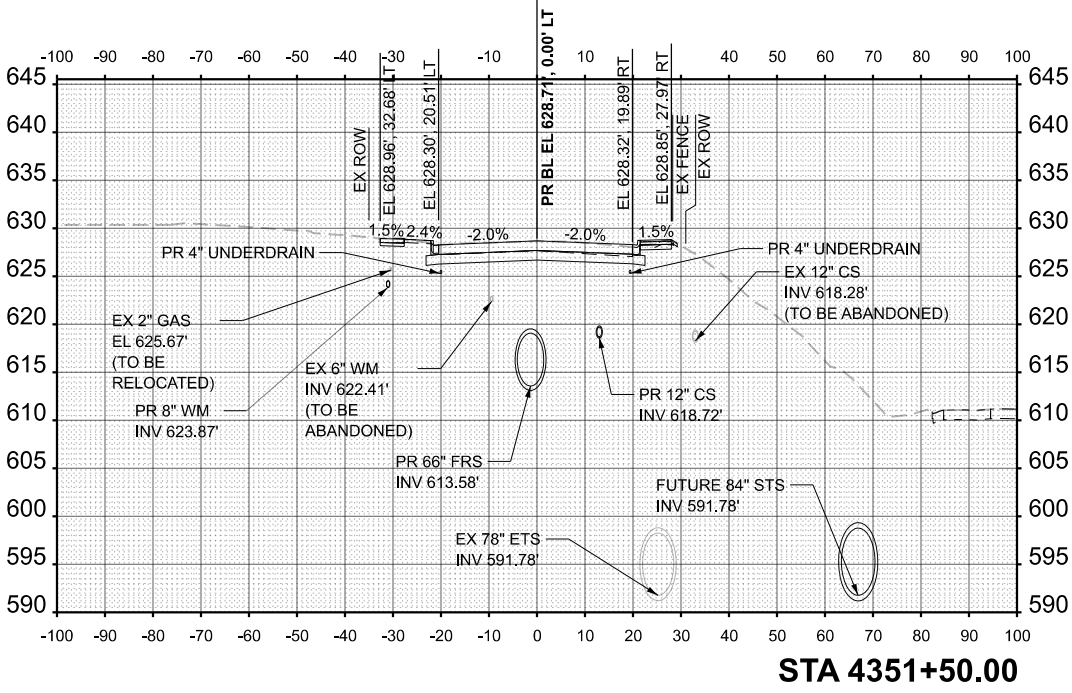
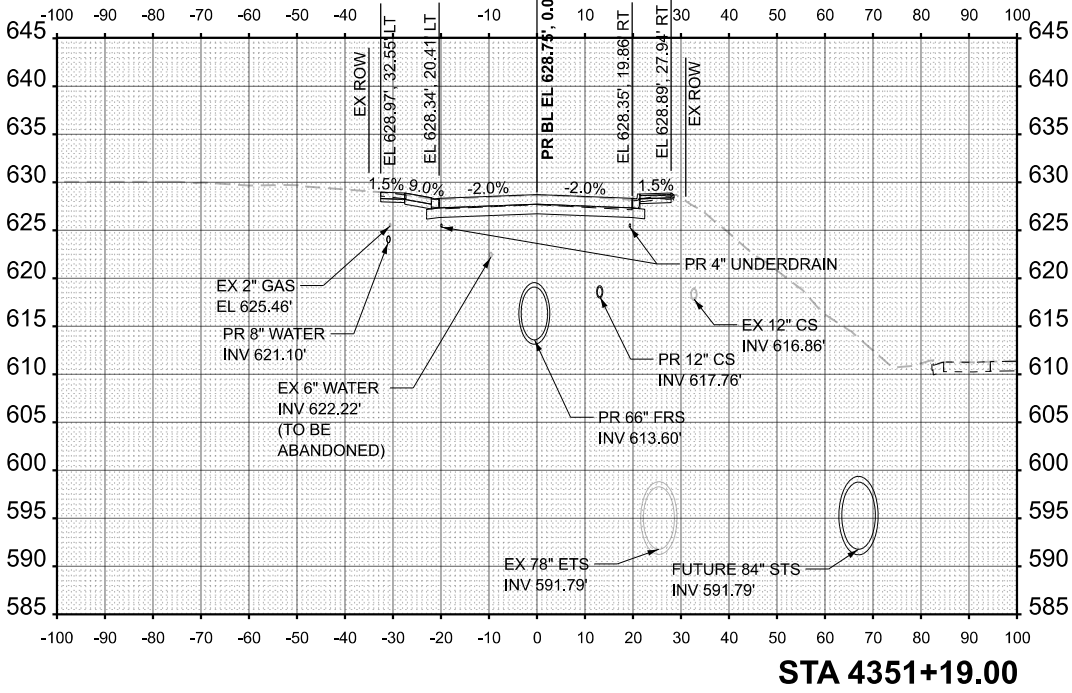
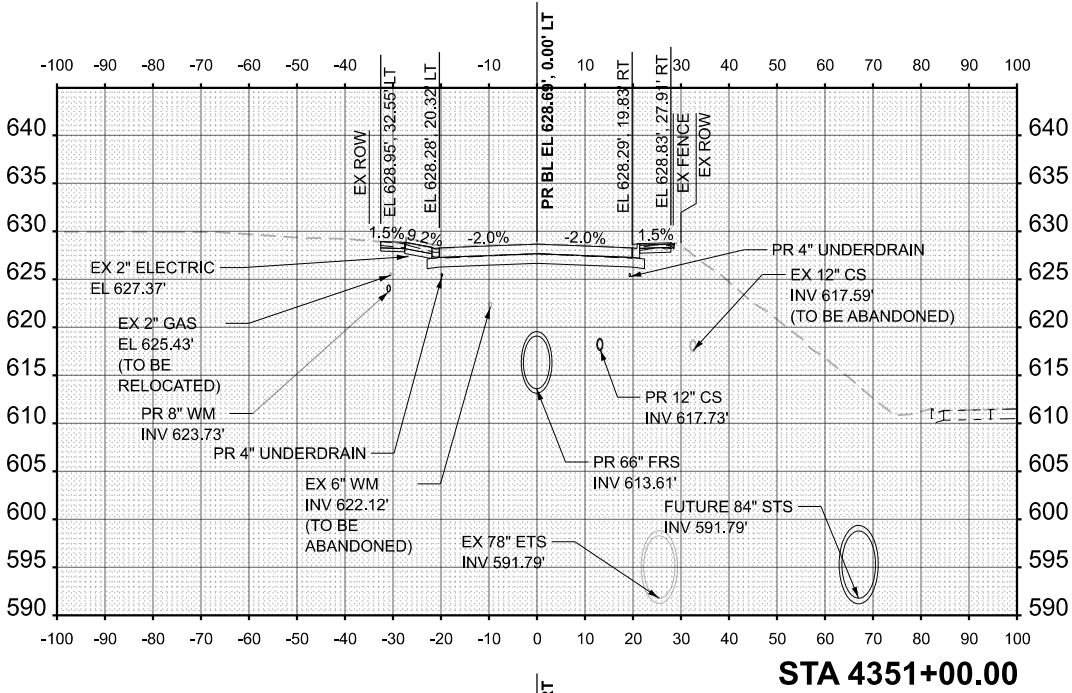
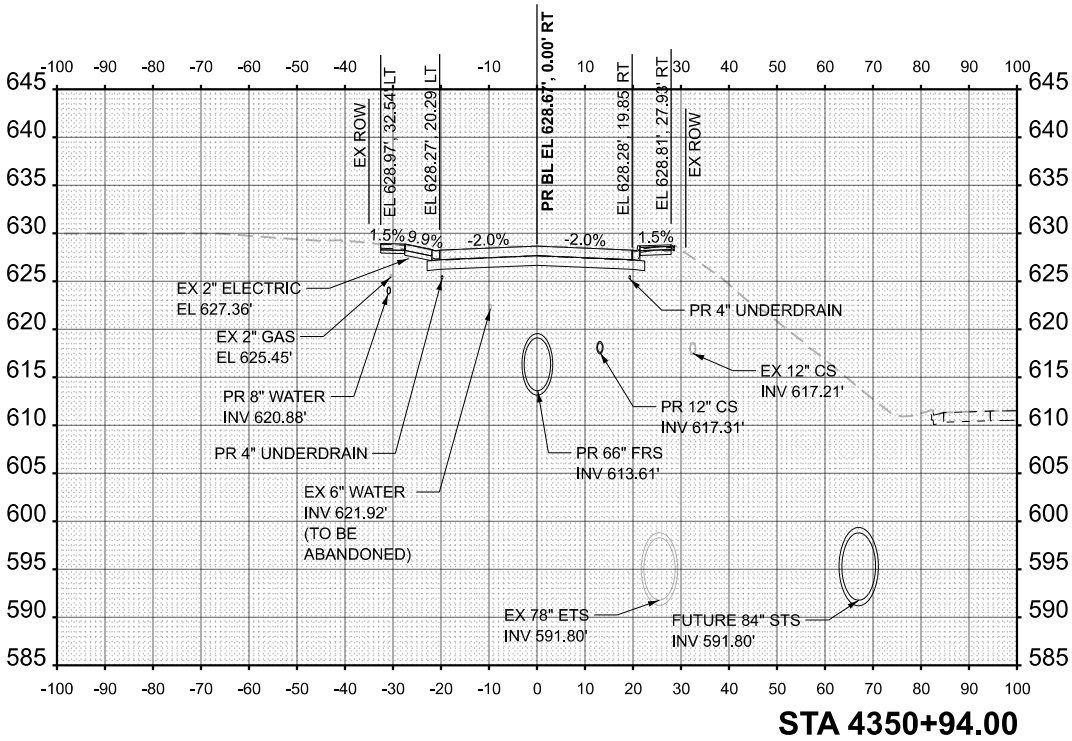
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REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST
I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40FT, 1"=20'	SHEET 25 OF 91 SHEETS	STA. 4350+94.00 TO STA. 4351+50.00
FEAL RTE. 290	SECTION 2024-091-DR	COUNTY COOK
ILLINOIS	FED. AID PROJECT 6WUW(875)	TOTAL SHEET SHEETS NO. 464 398
		CONTRACT NO. 62X09



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USER NAME = kbaout

DESIGNED - LD

DRAWN - LD

CHECKED - CS

DATE = 7/17/2026

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST

I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V SHEET 26 OF 91 SHEETS STA. 4352+00.00 TO STA. 4353+00.00

FEAL
RTE. 290

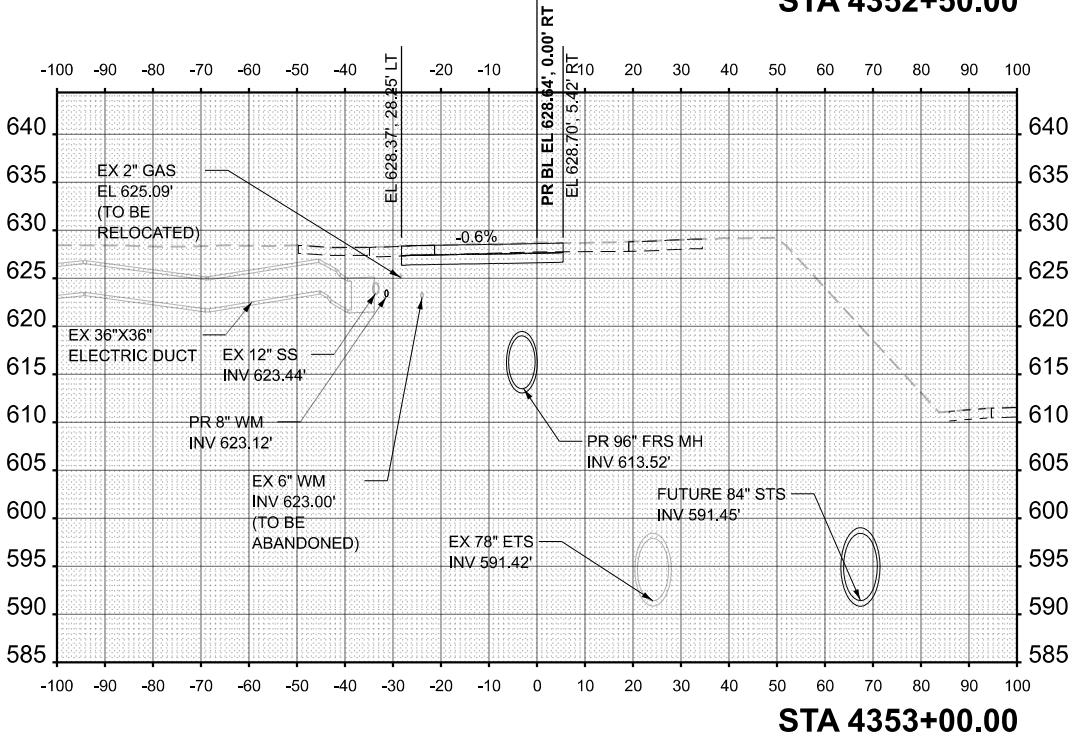
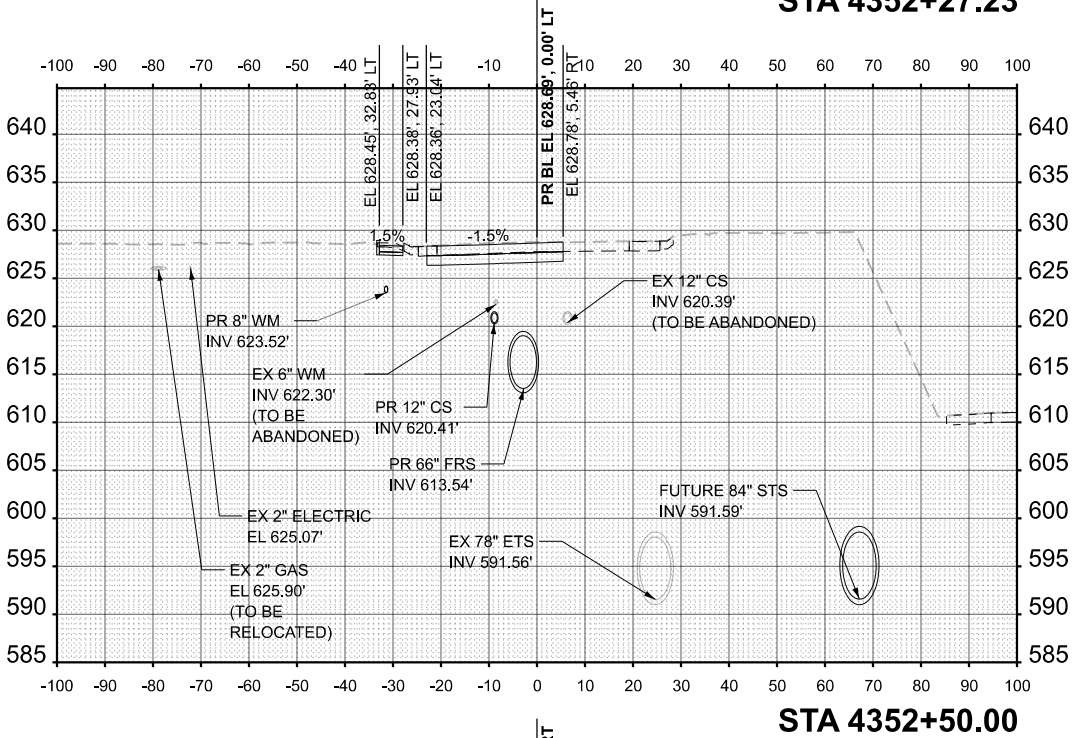
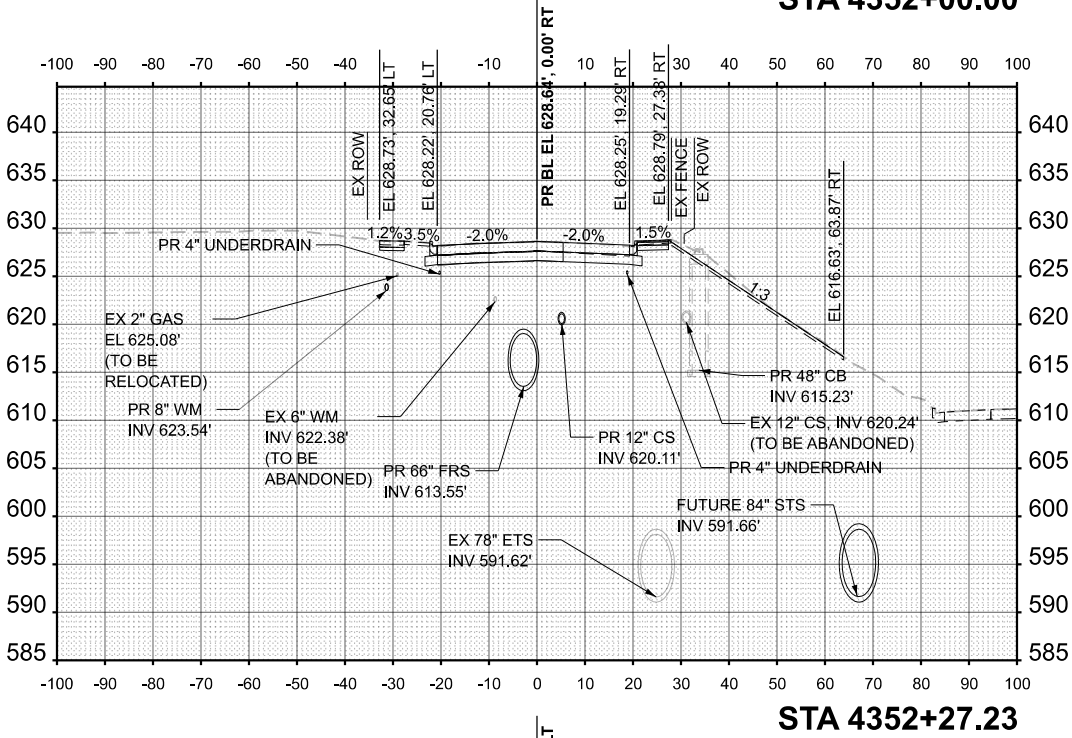
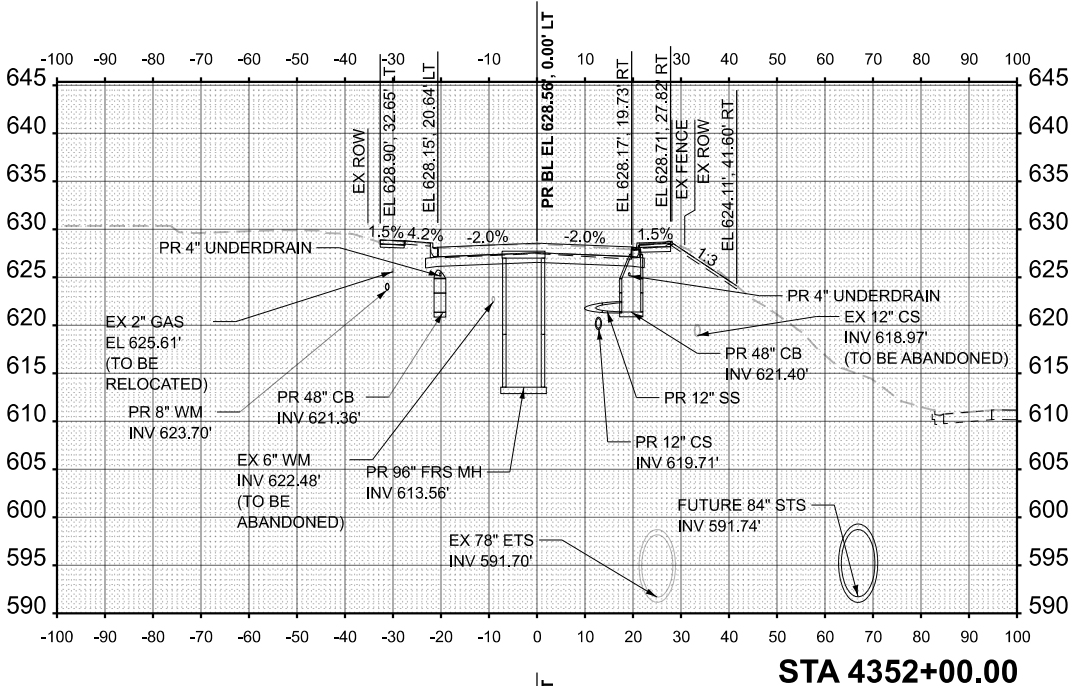
SECTION
2024-091-DR

COUNTY
COOK

CONTRACT NO. 62X09

TOTAL SHEET
SHEETS NO. 464

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HNTB

USER NAME = kbaout

DESIGNED - LD

DRAWN - LD

CHECKED - CS

DATE - 5/22/2026

REVISIONS

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - HARRISON ST

I-290 FROM 22ND AVE TO DES PLAINES RIVER

SCALE: 1"=40'H, 1"=20'V

SHEET 27 OF 91 SHEETS

STA. 4353+50.00 TO STA. 4354+50.00

F&M
RTE.
290

SECTION
2024-091-DR

COUNTY
COOK

CONTRACT NO. 62X09

TOTAL SHEET
SHEETS NO.
464

400

