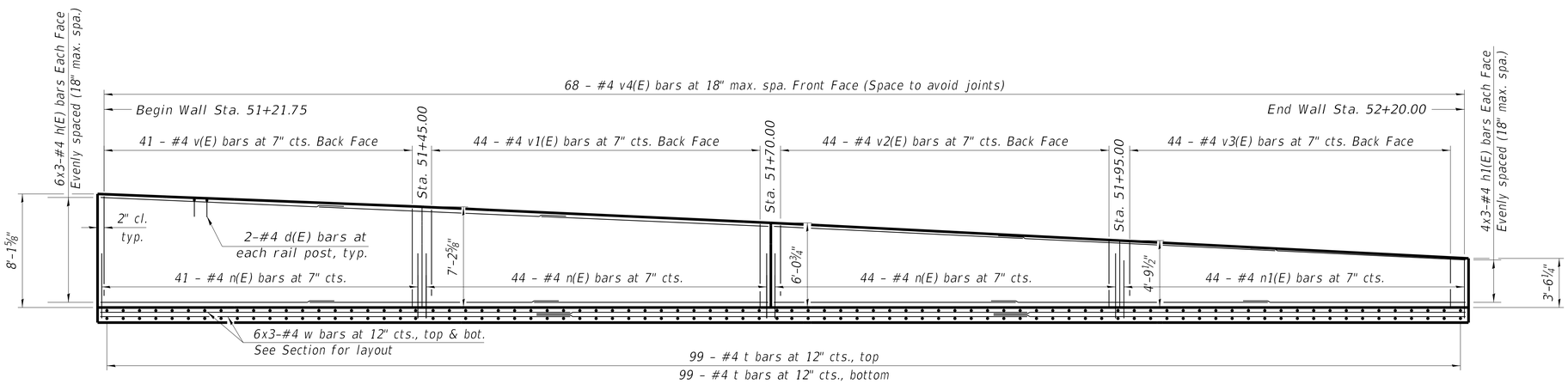
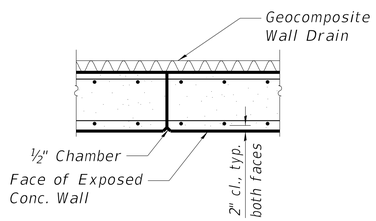


WALL REINFORCEMENT LAYOUT

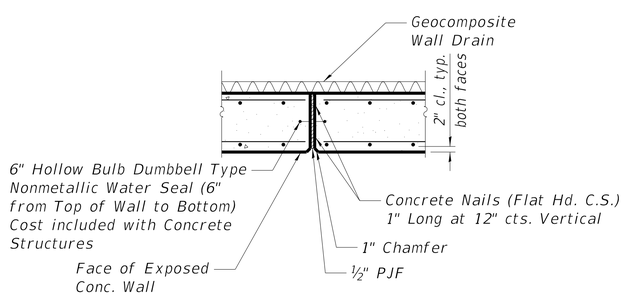
Notes:
Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

MINIMUM BAR LAP

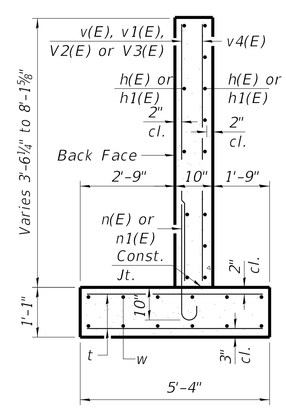
#4 bar = 1'-9"
#4(E) bar = 2'-7"



CONSTRUCTION JOINT

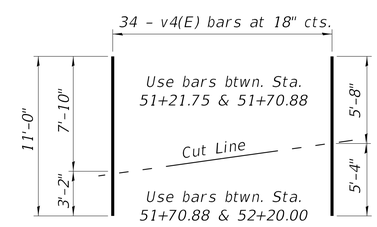


EXPANSION JOINT



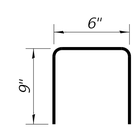
RETAINING WALL SECTION

(Max. Applied Service Bearing Pressure = 1.9 ksf)

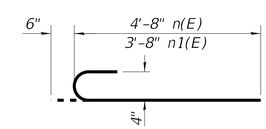


FIELD CUTTING DIAGRAM

Order bars shown full length. Cut as shown.



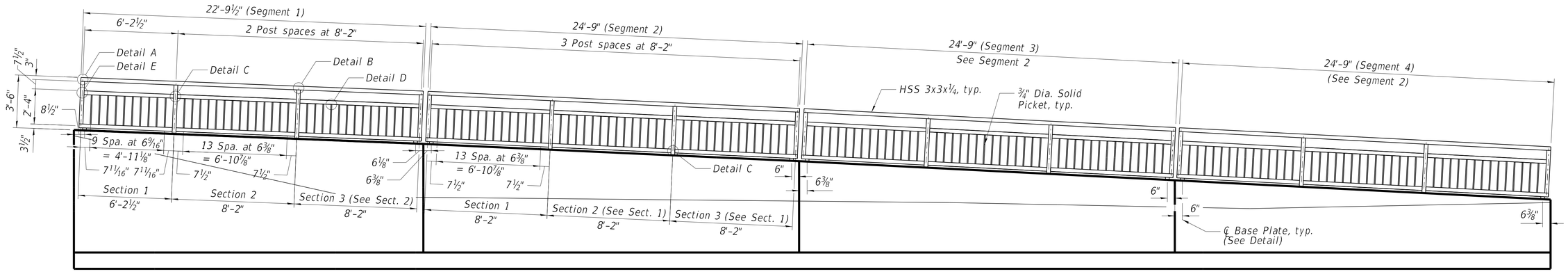
BAR d(E)



BAR n(E) & n1(E)

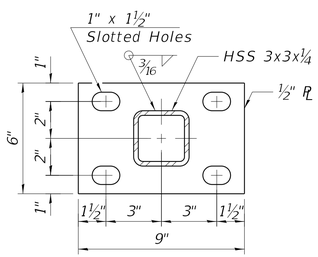
TOTAL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	32	#4	2'-0"	
h(E)	18	#4	17'-8"	
h1(E)	12	#4	18'-3"	
n(E)	129	#4	5'-2"	
n1(E)	44	#4	4'-2"	
t	198	#4	5'-1"	
v(E)	56	#4	7'-0"	
v1(E)	41	#4	5'-11"	
v2(E)	44	#4	4'-8"	
v3(E)	44	#4	3'-4"	
v4(E)	44	#4	11'-0"	
w	36	#4	33'-10"	
Structure Excavation			Cu. Yd.	148.6
Protective Coat			Sq. Yd.	33
Reinforcement Bars			Pound	1,490
Reinforcement Bars, Epoxy Coated			Pound	1,890
Pedestrian Railing			Foot	99
Name Plates			Each	1
Concrete Structures (Retaining Walls)			Cu. Yd.	39.1
Granular Backfill For Structure			Sq. Yd.	52.3
Geocomposite Wall Drain			Sq. Yd.	32

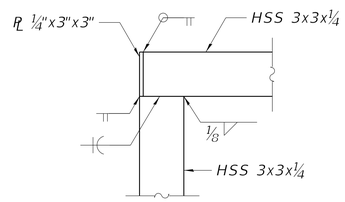


PEDERSTRIAN RAILING ELEVATION

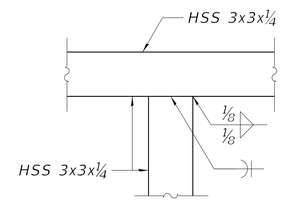
(Looking North)



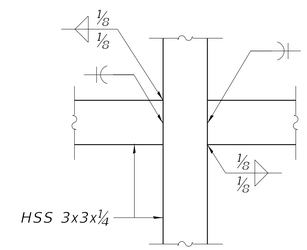
BASE PL



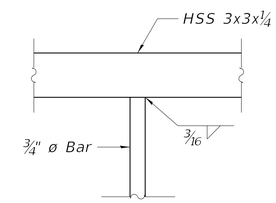
DETAIL A



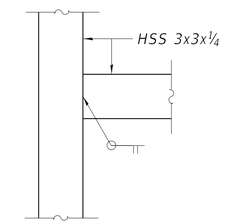
DETAIL B



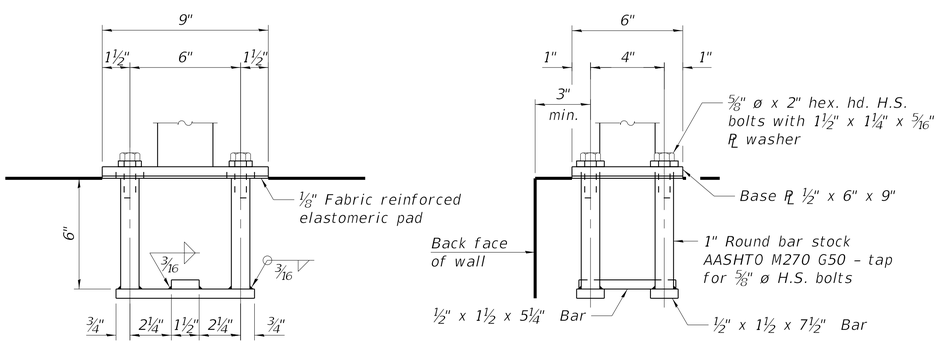
DETAIL C



DETAIL D



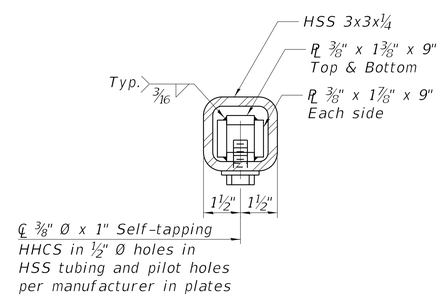
DETAIL E

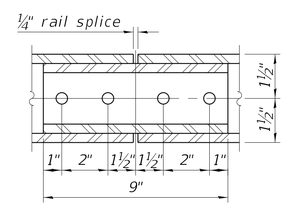


ANCHORAGE ASSEMBLY

The Pedestrian Railing fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates.

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.





RAIL SPLICE

NOTES:

Railing shall be according to the applicable portions of Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot per Pedestrian Railing.

Hollow structural steel tubing shall conform to the requirements of ASTM designations A 500, Grade B, structural steel tubing.

Hollow steel pipes shall conform to the requirements of ASTM A53 and shall be "standard weight".

All other steel shapes and plates shall conform to the requirements of AASHTO M270 Grade 36.

All post, railing, splices, anchor devices and bent plates shall be painted using the Organic Zinc Rich Primer/Epoxy/Urethane Paint System. the color of the final finish coat shall be matte black.

Space reinforcement in slab to miss anchor rods.

BILL OF MATERIAL

Item	Unit	Quantity
Pedestrian Railing	Foot	99

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BAXTER & WOODMAN Consulting Engineers

USER NAME = cstoczynski	DESIGNED - BAB	REVISED -	
	DRAWN - BAB	REVISED -	
	CHECKED - BLB	REVISED -	
PLOT DATE = 8/11/2025	DATE - 8/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEDESTRAIN RAILING
STRUCTURE NO. 016-Z066

SHEET S2-03 OF S2-04 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	202

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT

BOREHOLE LOG — Number BB-2 A — Plate 4

NASHnal SOIL TESTING
23856 W. Andrew Rd., Unit 103, Plainfield, IL

Client	Baxter and Woodman, Inc.
Location	Devon Ave. Bridge over I-94-STA 51+51.93 (1942122.02N,1142941.671)
Job Number	Job No. P-91-157-226; Contract No. 62R63
Drill Rig Type	Mobile B-57
Sampler Type	Split Spoon (SS)
Boring Location	STA 51+51.93 with offset 21.48' RT-See Plate 1
Boring Elevation (ft)	619.31 — Date: 9/25/2023

Sample # /RUN #	Sampling Method	Rimac Qu (tsf)	Sample Recovery (in)	Moisture Content (%)	SPT Valuese Blows/6 In	Depth (ft)	Sample Depth	Graphic	Soil Description	Elevation (ft)
						0.5		AS	**7.5" of Asphalt, 11" of Concrete,8" of Aggregate**	618.81
						1.0		CONC	**11" of Concrete**	618.31
						1.5				617.81
1	SS	0.605	12	15.5	6, 3, 3	2.0		AGG	**8" of Aggregate Base**	617.31
						2.5		A-4	**Brown and Gray Silty Clay (A-4)**	616.81
						3.0			Trace Sand and Gravel, Stiff	616.31
						3.5			**Unit Weight 116.5 pcf**	615.81
						4.0				615.31
2	SS	2.419	16	16.2	2, 3,3	4.5			**Unit Weight 116.6 pcf**	614.81
						5.0			Very Stiff	614.31
						5.5				613.81
						6.0				613.31
						6.5				612.81
3	SS	1.008	17	22.4	2, 1, 3	7.0			**Unit Weight 115.4 pcf**	612.31
						7.5				611.81
						8.0				611.31
						8.5				610.81
						9.0		GM	**Brown Silty Gravel (A-1-b)**	610.31
4	SS	N/A	1	N/A	50/1	9.5			Very Dense	609.81
						10.0				609.31
						10.5				608.81
						11.0				608.31
						11.5		A-4	**Brown and Gray Silty Clay (A-4)**	607.81
5	SS	1.000	11	20.8	4, 2, 3	12.0			with Sand , Stiff	607.31
						12.5			**Unit Weight 112.3 pcf**	606.81
						13.0				606.31
						13.5				605.81
						14.0		A-6	**Brown Lean Clay (A-6)**	605.31
6	SS	1.250	18	22.5	3, 2, 4	14.5			Trace Gravel, Stiff	604.81
						15.0				604.31
						15.5				603.81
						16.0				603.31
						16.5		A-4	**Brownish Gray Silty Clay (A-4)**	602.81
7	SS	1.512	18	18.5	3, 4, 5	17.0			trace Sand and Gravel, Stiff	602.31
						17.5			**Unit Weight 121.0 pcf**	601.81
						18.0				601.31
						18.5				600.81
						19.0		A-4	**Gray Silty Clay (A-4)**	600.31
8	SS	1.750	12	19.2	2, 3, 4	19.5			Trace Sand and Gravel, Stiff	599.81
						20.0			**Unit Weight 120.2 pcf**	599.31
						20.5				598.81
						21.0				598.31
						21.5				597.81
9	SS	2.620	18	19.1	5, 6, 13	22.0				597.31
						22.5			**Unit Weight 114.8 pcf**	596.81
						23.0				596.31
						23.5				595.81
						24.0				595.31
10	SS	2.419	18	17.3	5, 6, 8	24.5				594.81
						25.0			**Unit Weight 120.4 pcf**	594.31
						25.5				593.81
						26.0				593.31
						26.5				592.81
11	SS	2.318	16	11.3	4, 6, 7	27.0				592.31
						27.5			**Unit Weight 128.6 pcf**	591.81
						28.0				591.31
						28.5				590.81
						29.0				590.31
12	SS	N/A	NR	N/A	6, 7, 10	29.5		NR	**No recovery**	589.81
						30.0			**Possible Boulders**	589.31

Broing Continued

Note: Soil group symbol and group name are determined based on visual classification, plasticity index and liquid limit wherever material was available using ASTM D2488 & D4318

BOREHOLE LOG — Number BB-2 B — Plate 5

NASHnal SOIL TESTING
23856 W. Andrew Rd., Unit 103, Plainfield, IL

Client	Baxter and Woodman, Inc.
Location	Devon Ave. Bridge over I-94-STA 51+51.93 (1942122.02N,1142941.671)
Job Number	Job No. P-91-157-226; Contract No. 62R63
Drill Rig Type	Mobile B-57
Sampler Type	Split Spoon (SS)
Boring Location	STA 51+51.93 with offset 21.48' RT-See Plate 1
Boring Elevation (ft)	619.31 — Date: 9/25/2023

Sample # /RUN #	Sampling Method	Rimac Qu (tsf)	Sample Recovery (in)/%	Moisture Content (%)	SPT Valuese Blows/6 In	Depth (ft)	Sample Depth	Graphic	Soil Description	Elevation (ft)
						30.5		NR	**No recovery**	588.81
						31.0			**Possible Boulders**	588.31
						31.5				587.81
						32.0				587.31
						32.5				586.81
						33.0				586.31
						33.5				585.81
						34.0		A-4	**Gray Silty Clay (A-4)**	585.31
13	SS	0.750	2	20.1	5, 6, 9	34.5			Trace Sand & Gravel, Firm	584.81
						35.0				584.31
						35.5				583.81
						36.0				583.31
						36.5				582.81
						37.0				582.31
						37.5				581.81
						38.0				581.31
						38.5				580.81
						39.0				580.31
14	SS	1.250	9	22.6	7, 8, 9	39.5			**Unit Weight 105.5 pcf**	579.81
						40.0			Stiff	579.31
						40.5				578.81
						41.0				578.31
						41.5				577.81
						42.0				577.31
						42.5				576.81
						43.0				576.31
						43.5				575.81
						44.0				575.31
15	SS	3.225	17	12.8	9, 11, 12	44.5			**Unit Weight 133.7 pcf**	574.81
						45.0			Very Stiff	574.31
						45.5				573.81
						46.0				573.31
						46.5				572.81
						47.0				572.31
						47.5				571.81
						48.0				571.31
						48.5				570.81
						49.0				570.31
16	SS	4.636	18	16.7	7, 9, 13	49.5			**Unit Weight 125.0 pcf**	569.81
						50.0			Hard	569.31
						50.5				568.81
						51.0				568.31
						51.5				567.81
						52.0				567.31
						52.5				566.81
						53.0				566.31
						53.5				565.81
						54.0				565.31
17	SS	1.411	16	22.1	5, 7, 10	54.5			**Unit Weight 124.5 pcf**	564.81
						55.0			Stiff	564.31
						55.5				563.81
						56.0				563.31
						56.5				562.81
						57.0				562.31
						57.5				561.81
						58.0				561.31
						58.5				560.81
						59.0				560.31
18	SS	3.527	18	14.1	8, 9, 14	59.5			**Unit Weight 126.5 pcf**	559.81
						60.0				559.31

Boring Continued

Note: Soil group symbol and group name are determined based on visual classification, plasticity index and liquid limit wherever material was available using ASTM D2488 & D4318

BOREHOLE LOG — Number BB-2 C — Plate 6

NASHnal SOIL TESTING
23856 W. Andrew Rd., Unit 103, Plainfield, IL

Client	Baxter and Woodman, Inc.
Location	Devon Ave. Bridge over I-94-STA 51+51.93 (1942122.02N,1142941.671)
Job Number	Job No. P-91-157-226; Contract No. 62R63
Drill Rig Type	Mobile B-57
Sampler Type	Split Spoon (SS)
Boring Location	STA 51+51.93 with offset 21.48' RT-See Plate 1
Boring Elevation (ft)	619.31 — Date: 9/25/2023

Sample # /RUN #	Sampling Method	Rimac Qu (tsf)	Sample Recovery (in)/%	Moisture Content (%)	SPT Valuese Blows/6 In	Depth (ft)	Sample Depth	Graphic	Soil Description	Elevation (ft)
						60.5		A-4	**Gray Silty Clay (A-4)**	558.81
						61.0				558.31
						61.5				557.81
						62.0				557.31
						62.5				556.81
						63.0				556.31
						63.5				555.81
						64.0		A-6	**Gray Lean Clay (A-6)**	555.31
19	SS	5.946	18	14.6	13, 17, 18	64.5			trace Sand & Gravel, Hard	554.81
						65.0			**Unit Weight 135.8 pcf**	554.31
						65.5				553.81
						66.0				553.31
						66.5				552.81
						67.0				552.31
						67.5				551.81
						68.0				551.31
						68.5				550.81
						69.0				550.31
20	SS	4.132	18	14.3	9, 12, 16	69.5			Hard	549.81
						70.0			**Unit Weight 130.0 pcf**	549.31
						70.5				548.81
						71.0				548.31
						71.5				547.81
						72.0				547.31
						72.5				546.81
						73.0				546.31
						73.5				545.81
						74.0				545.31
21	SS	4.837	18	12.4	22, 29, 35	74.5			Hard	544.81
						75.0			**Unit Weight 128.6 pcf**	544.31
						75.5				543.81
						76.0				543.31
						76.5				542.81
						77.0				542.31
						77.5				541.81
						78.0				541.31
						78.5				540.81
						79.0		A-4	**Gray Silty Clay (A-4)**	540.31
22	SS	12.000+	3		50/4	79.5			with Gravel and Sand Trace Clay	539.81
						80.0			Possible Hard Pan	539.31
						80.5				538.81
						81.0				538.31
						81.5				537.81
						82.0				537.31
						82.5				536.81
						83.0				536.31
						83.5				535.81
						84.0				535.31
23	SS	12.000+	3		50/3	84.5				534.81
						85.0				534.31

End of Boring 85'
Water Level While Drilling : Dry
Water Level After Drilling : Dry
Cave In Depth : None

Note: Soil group symbol and group name are determined based on visual classification, plasticity index and liquid limit wherever material was available using ASTM D2488 & D4318

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BAXTER & WOODMAN Consulting Engineers	USER NAME = cstoczynski	DESIGNED - BAB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 016-Z066	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BAB	REVISED -			1349	FAI 94 22 STRUCTURE 1	COOK	268	203
		CHECKED - BLB	REVISED -					CONTRACT NO. 62R63		
	PLOT DATE = 8/11/2025	DATE - 8/11/2025	REVISED -		SHEET S2-04 OF S2-04 SHEETS		ILLINOIS	FED. AID PROJECT		

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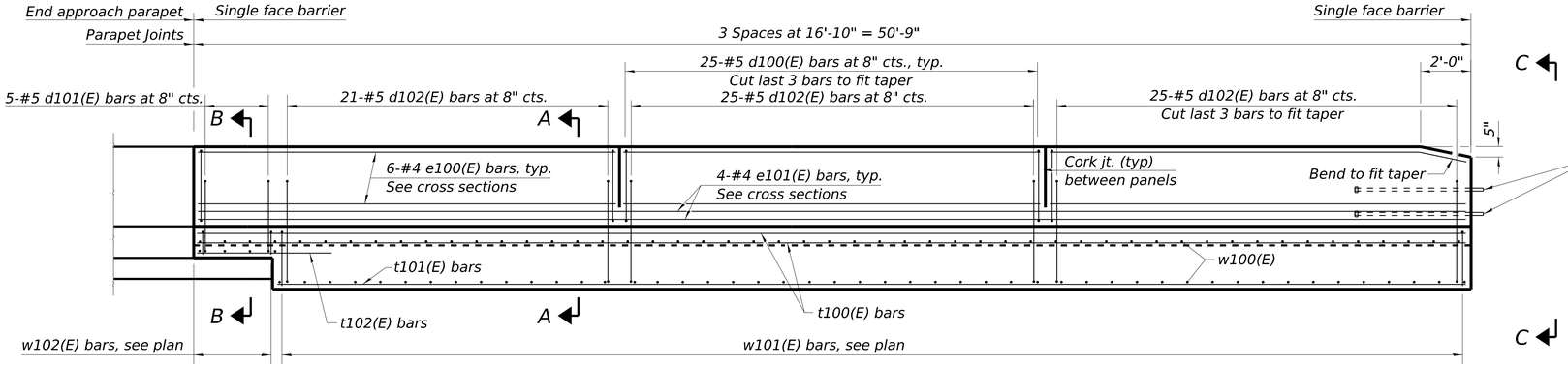
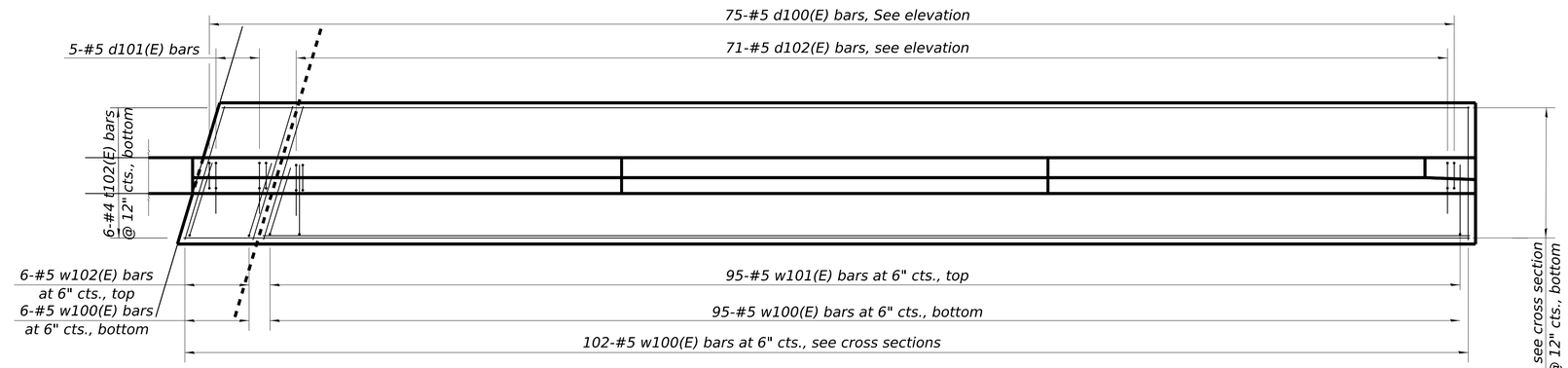


INSIDE ELEVATION OF SINGLE FACE BARRIER

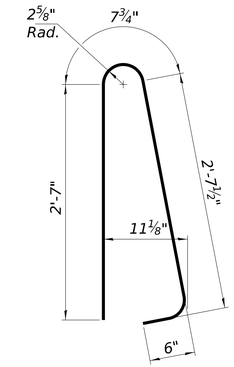
Notes:
Single face barrier concrete shall be paid for as Concrete Superstructure.
Single face barrier footing concrete shall be paid for as Concrete Structures.
Cost of excavation for single face barrier footing included with Concrete Structures.

1" Ø Anchor bolts for Type 5 terminal West end only, See View B-B and Highway Standard 631026. For Type 6 terminal connections see Highway Standard 631031.

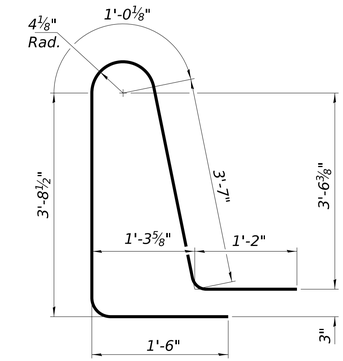


PLAN

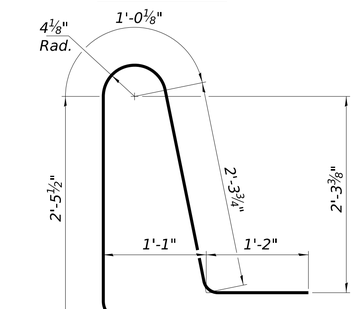
(East barrier shown; West barrier similar by 180° rotation)



BAR d100(E)



BAR d102(E)



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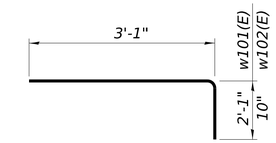
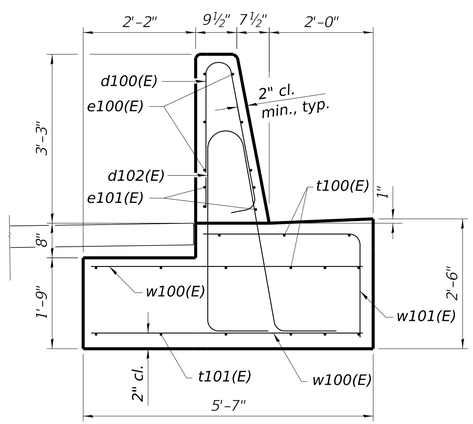


BAR w101(E) and w102(E)



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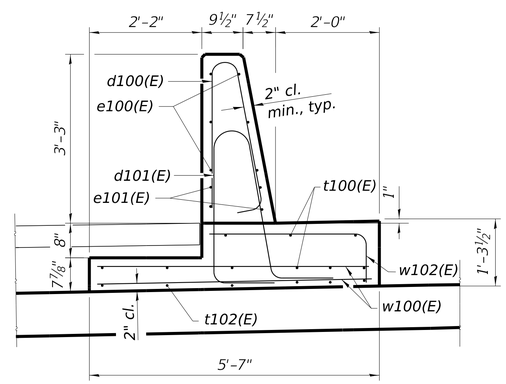

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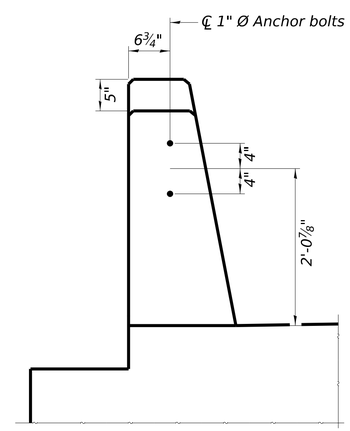
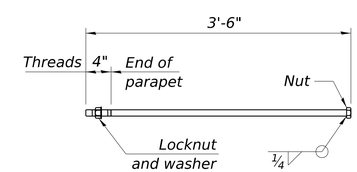


VIEW C-C



* 1" Ø ANCHOR BOLT

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

* Cost included with Concrete Superstructure

TWO SINGLE FACE BARRIERS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d100(E)	150	#5	6'-5"	
d101(E)	10	#5	8'-6"	
d102(E)	142	#5	9'-9"	
e100(E)	12	#4	50'-5"	
e101(E)	40	#4	14'-8"	
t100(E)	18	#4	50'-5"	
t101(E)	6	#4	47'-3"	
t102(E)	6	#4	6'-2"	
w100(E)	406	#5	6'-5"	
w101(E)	190	#5	5'-2"	
w102(E)	12	#5	3'-11"	
Concrete Superstructure			Cu. Yd.	13.5
Concrete Structures			Cu. Yd.	44.1
Reinforcement Bars, Epoxy Coated			Pound	7750

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BAXTER & WOODMAN Consulting Engineers

USER NAME = cstoczynski	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED - BLB	REVISED -	
PLOT DATE = 8/11/2025	DATE - 8/11/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE–FACE BARRIER DETAILS
STRUCTURE NO. 016–0840

SHEET S3-1 OF S3-1 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	204

CONTRACT NO. 62R63
ILLINOIS | FED. AID PROJECT

GENERAL NOTES:

1. THIS PROJECT INCLUDES THE RELOCATION OF EXISTING VILLAGE OF LINCOLNWOOD LIGHTING AND REPLACEMENT OF EXISTING CITY OF CHICAGO LIGHTING ALONG DEVON AVE. FROM WEST OF LEROY AVE. TO EAST OF KEATING AVE.

2. THE EXISTING CITY OF CHICAGO LIGHT POLES AND LUMINAIRE'S SHALL BE INSPECTED FOR SERVICEABILITY AND SALVAGED AS DETERMINED BY THE ENGINEER.

3. THE QUANTITIES OF RACEWAY WHEREVER INDICATED ON THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.

4. THE EXISTING UNDERPASS LIGHTING SHALL BE REMOVED WHEN THE BRIDGE DECK ALONG WITH BEAMS ARE REMOVED. MAINLINE LIGHTING SHALL PROVIDE LIGHTING FOR THIS PORTION OF THE ROADWAY DURING CONSTRUCTION. THE PROPOSED UNDERPASS LUMINAIRES SHALL BE INSTALLED DURING CONSTRUCTION OF THE NEW DECK.

5. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS INSTALLATION AS SHOWN ON THE PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING ANY CONSTRUCTION WORK. IT SHALL ALSO BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION ACTIVITIES.

6. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".

7. LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC, CDOT AND LOCAL CODES.

8. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE UL LISTED AND LABELED.

9. THE CONTRACTOR SHALL TAKE PRECAUTION WHEN INSTALLING UNIT DUCT TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND TREES ROOTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DETERMINED BY THE ENGINEER.

10. THE CHICAGO LIGHTING CATALOG CUTSHEETS SHALL BE SENT TO CDOT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL SUBMIT CDOT EQUIPMENT CATALOG CUTS TO: CHICAGO DOT 2 N LASALLE ST, SUITE 1110 CHICAGO, IL 60602 CALL (312) 744-3600 TO COORDINATE.

11. THE IDOT LIGHTING CATALOG CUTSHEETS SHALL BE SENT TO IDOT FOR REVIEW AND APPROVAL.

12. THE VILLAGE OF LINCOLNWOOD CATALOG CUTSHEETS SHALL BE SENT TO VILLAGE OF LINCOLNWOOD AND IDOT FOR REVIEW AND APPROVAL.

13. THE COST OF DELIVERING SALVAGED LIGHTING HARDWARE TO CITY OF CHICAGO (CDOT) IS INCLUDED IN PAY ITEM 84200500 REMOVAL OF LIGHTING UNIT, SALVAGE.

BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY	CDOT	IDOT	LINCOLNWOOD
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	73	33		40
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	540		540	
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	15		15	
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	476	244		232
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	8		8	
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	4		4	
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"X12"X6"	EACH	4	2		2
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 8"	EACH	2		2	
UNIT DUCT, 600V, 3-1C NO. 4 1/C NO.6 GROUND, (XLP-TYPE USE) ,1¼" DIA. POLYETHYLENE	FOOT	152		152	
UNIT DUCT, 600V, 4-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE) ,1¼" DIA. POLYETHYLENE	FOOT	831			831
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2128		2,128	
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	1220			1220
LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION D	EACH	8		8	
LIGHT POLE FOUNDATION,24"DIAMETER	EACH	70	70		
LIGHT POLE FOUNDATION, 30' DIAMETER	FOOT	42			42
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	11	9	2	
REMOVAL OF POLE FOUNDATION	EACH	15	9		6
RELOCATE EXISTING LIGHTING UNIT	EACH	6			6
CABLE IN CONDUIT,TRIPLEX,2-1/C NO.6,AND 1-1/C NO.8 GROUND	FOOT	1105	1,105		
LUMINAIRE SPECIAL	EACH	1			1
LIGHT POLE SPECIAL,30'	EACH	1			1
LIGHTING UNIT COMPLETE (SPECIAL)	EACH	8	8		
LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	10	10		
MAINTENANCE OF LIGHTING SYSTEM	EACH	1			1
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24	12	12	

HIGHWAY STANDARDS

812001-01 RACEWAYS EMBEDDED IN STRUCTURE

LEGEND

- PROPOSED BRIDGE MOUNTED VILLAGE LIGHTING UNIT, 30FT. MH, 8FT. DAVIT ARM 240V (LINE TO LINE) WITH LED LUMINAIRE (SPECIAL)
- (E) EXISTING IDOT OR VILLAGE OF LINCOLNWOOD OR IDOT LIGHTING UNIT TO REMAIN
- (RR) EXISTING IDOT OR VILLAGE OF LINCOLNWOOD LIGHTING UNIT TO BE REMOVED AND RELOCATED
- (RL) RELOCATED VILLAGE OF LINCOLNWOOD LIGHTING UNIT
- EXISTING CITY OF CHICAGO LIGHTING UNIT TO REMAIN
- R EXISTING CITY OF CHICAGO LIGHTING UNIT TO BE REMOVED
- PROPOSED CITY OF CHICAGO LIGHTING UNIT, 34.5. FT. MH, 12FT. MAST ARM 240V (LINE TO LINE) WITH LED LUMINAIRE (32.5 FT. MH ON BRIDGE)
- UNIT DUCT, 600V, 4-1/C #8, 1/C #8 GROUND (XLP-TYPE USE) 1¼" DIA. POLYETHYLENE (LINCOLNWOOD)
- CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND (CDOT)
- UNDERGROUND CONDUIT GALVANIZED STEEL
- 2" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE WITH ELECTRIC CABLE WITHIN AS INDICATED ON PLAN
- EXISTING LIGHTING CONTROLLER
- GROUND ROD ¾" DIA. X 12 FT
- JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"X12"X6"
- P PROPOSED UNIT DUCT, 3-1/C # 4, 1/C # 6 GROUND, 1¼" DIA. POLYETHYLENE

LT-01

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = cstoczynski	DESIGNED - BL	REVISED -	
	DRAWN - MD / SR	REVISED -	
PLOT SCALE = 100.000 ' / in.	CHECKED - MH / KV	REVISED -	
PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, BILL OF MATERIALS AND LEGEND
I-94 AT DEVON AVENUE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	205

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT

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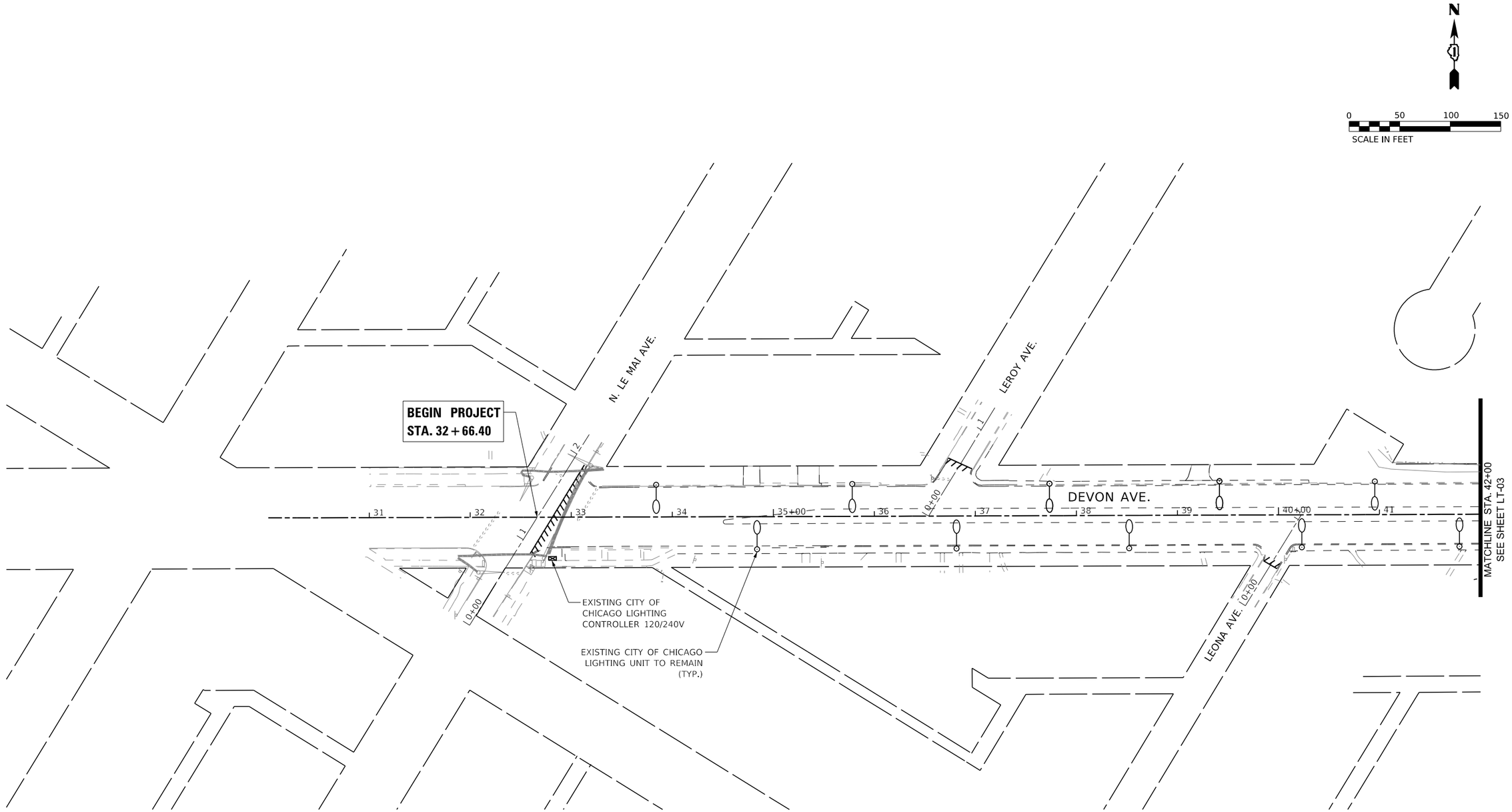

NOTE

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.

LT-02

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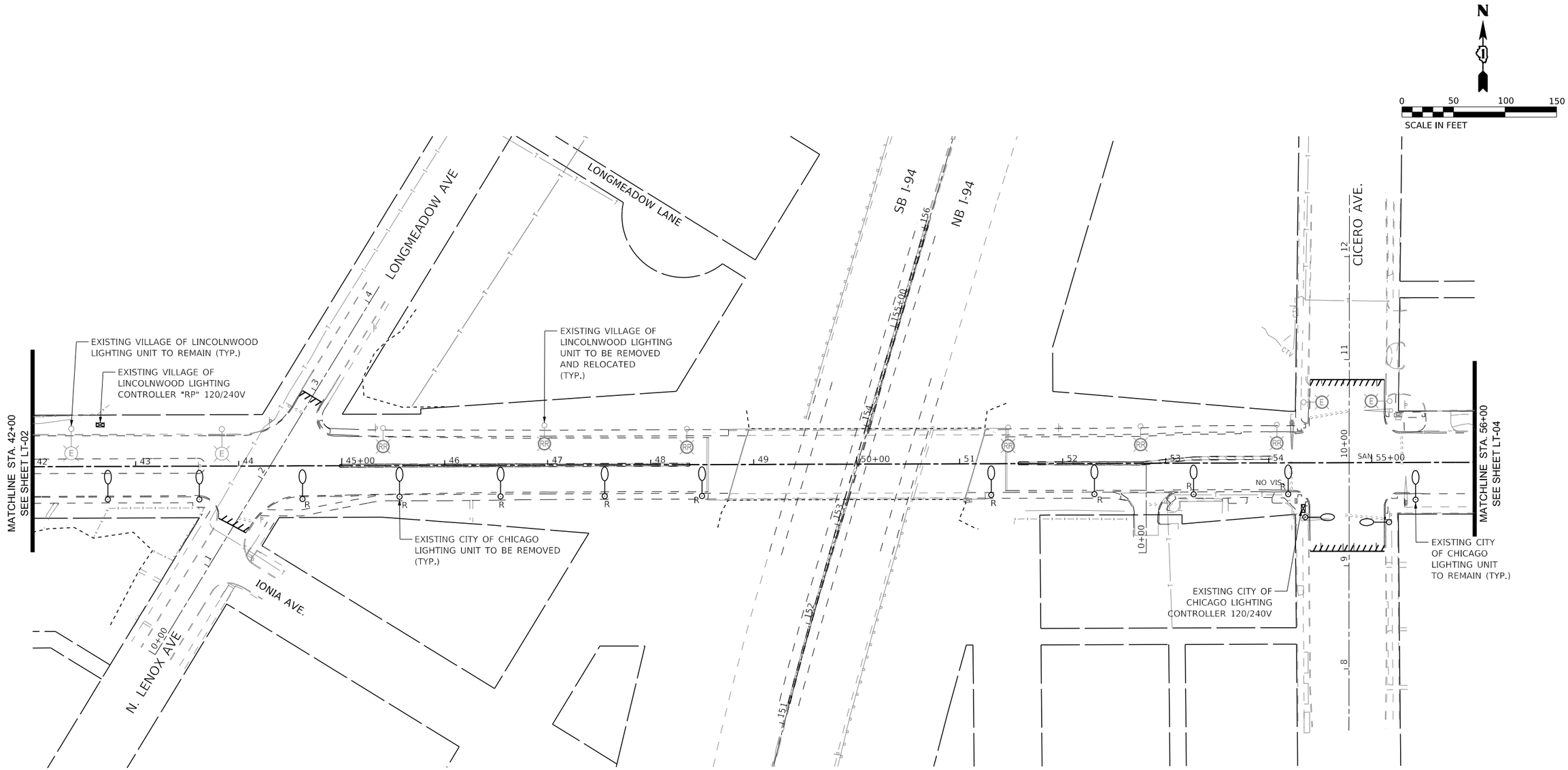
AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = cstoczynski	DESIGNED - BL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL LIGHTING PLAN (CDOT) I-94 AT DEVON AVENUE
		DRAWN - MD / SR	REVISED -		
	PLOT SCALE = 100.000 ' / in.	CHECKED - MH / KV	REVISED -		
	PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -		SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	206
		CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



NOTES

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. EXISTING LIGHTING CONTROLLER "RP" FEEDS VILLAGE OF LINCOLNWOOD LIGHTING WEST OF I-94.
3. EXISTING LIGHTING CONTROLLER "DK" AT NE CORNER OF DEVON AVE. AND KNOX AVE. FEEDS VILLAGE OF LINCOLNWOOD LIGHTING UNITS EAST OF I-94.

LT-03

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AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = cstoczynski	DESIGNED - BL	REVISED -	
	DRAWN - MD / SR	REVISED -	
PLOT SCALE = 100.000 ' / in.	CHECKED - MH / KV	REVISED -	
PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

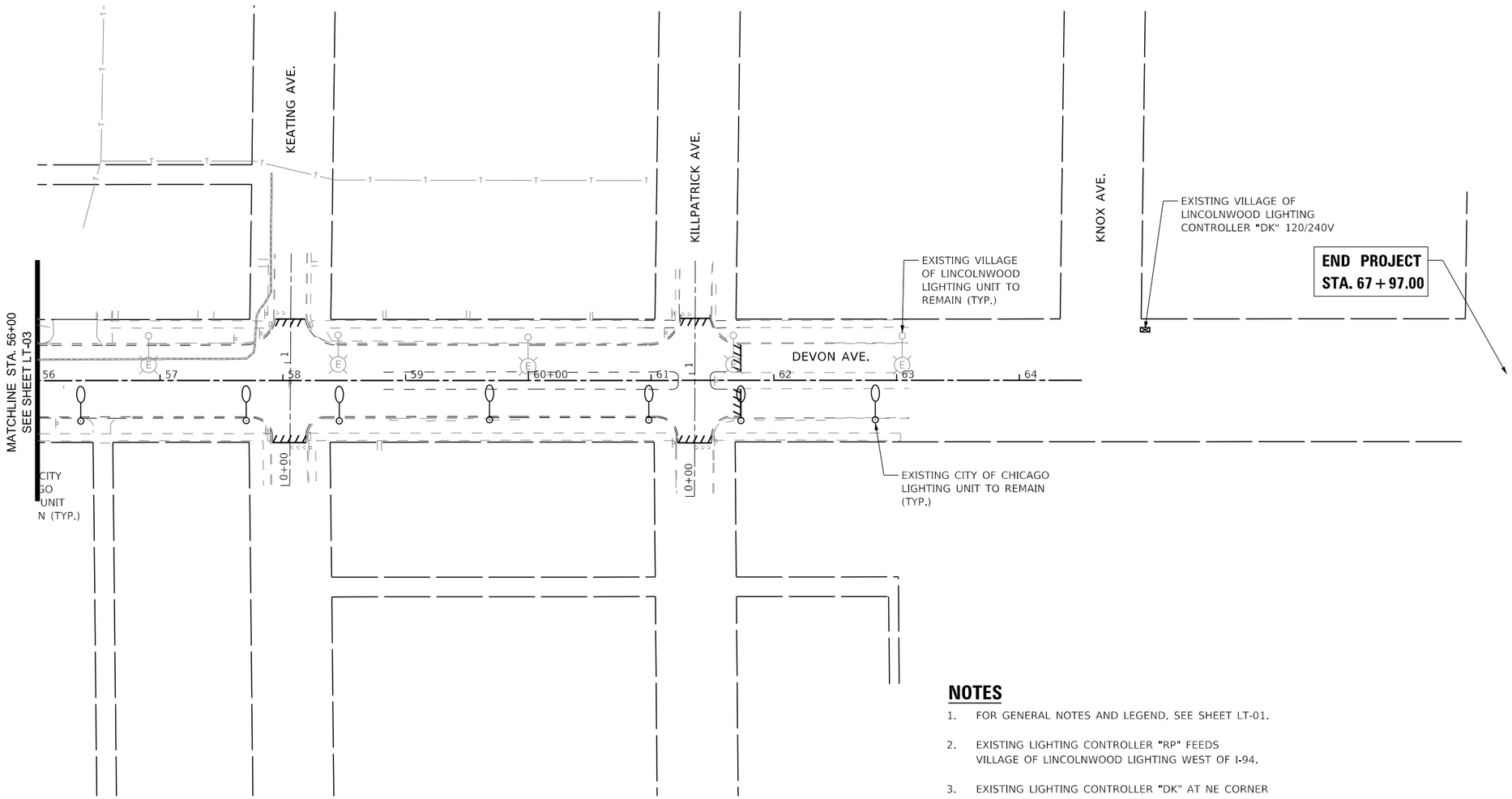
REMOVAL LIGHTING PLAN (CDOT AND VILLAGE OF LINCOLNWOOD)
I-94 AT DEVON AVENUE

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	207

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



NOTES

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. EXISTING LIGHTING CONTROLLER "RP" FEEDS VILLAGE OF LINCOLNWOOD LIGHTING WEST OF I-94.
3. EXISTING LIGHTING CONTROLLER "DK" AT NE CORNER OF DEVON AVE. AND KNOX AVE. FEEDS VILLAGE OF LINCOLNWOOD LIGHTING UNITS EAST OF I-94.

LT-04

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AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = cstoczynski	DESIGNED - BL	REVISED -	
	DRAWN - MD / SR	REVISED -	
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PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

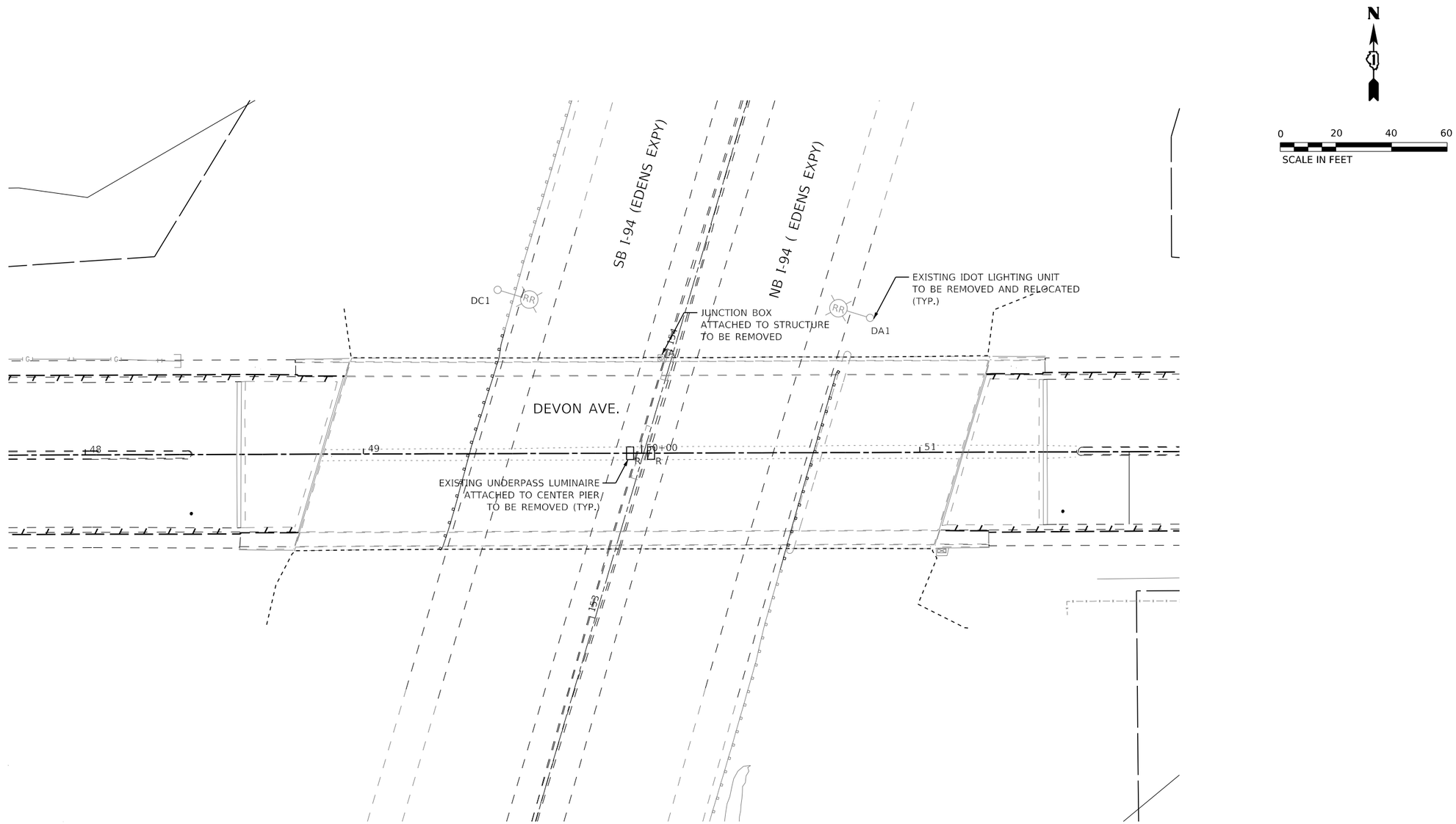
REMOVAL LIGHTING PLAN (CDOT AND VILLAGE OF LINCOLNWOOD)
I-94 AT DEVON AVENUE

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	208

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



NOTES

1. THE EXISTING UNDERPASS LIGHTING SHALL REMAIN UNTIL THE PROPOSED UNDERPASS LIGHTING IS INSTALLED AND OPERATIONAL.

LEGEND

R — EXISTING UNDERPASS LUMINAIRES TO BE REMOVED, NO SALVAGE

R — EXISTING JUNCTION BOX TO BE REMOVED

LT-05

MODEL: Default
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AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = cstoczynski	DESIGNED - BL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL UNDERPASS PLAN (IDOT) I-94 AT DEVON AVENUE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - MD / SR	REVISED -			1349	FAI 94 22 STRUCTURE 1	COOK	268 / 209
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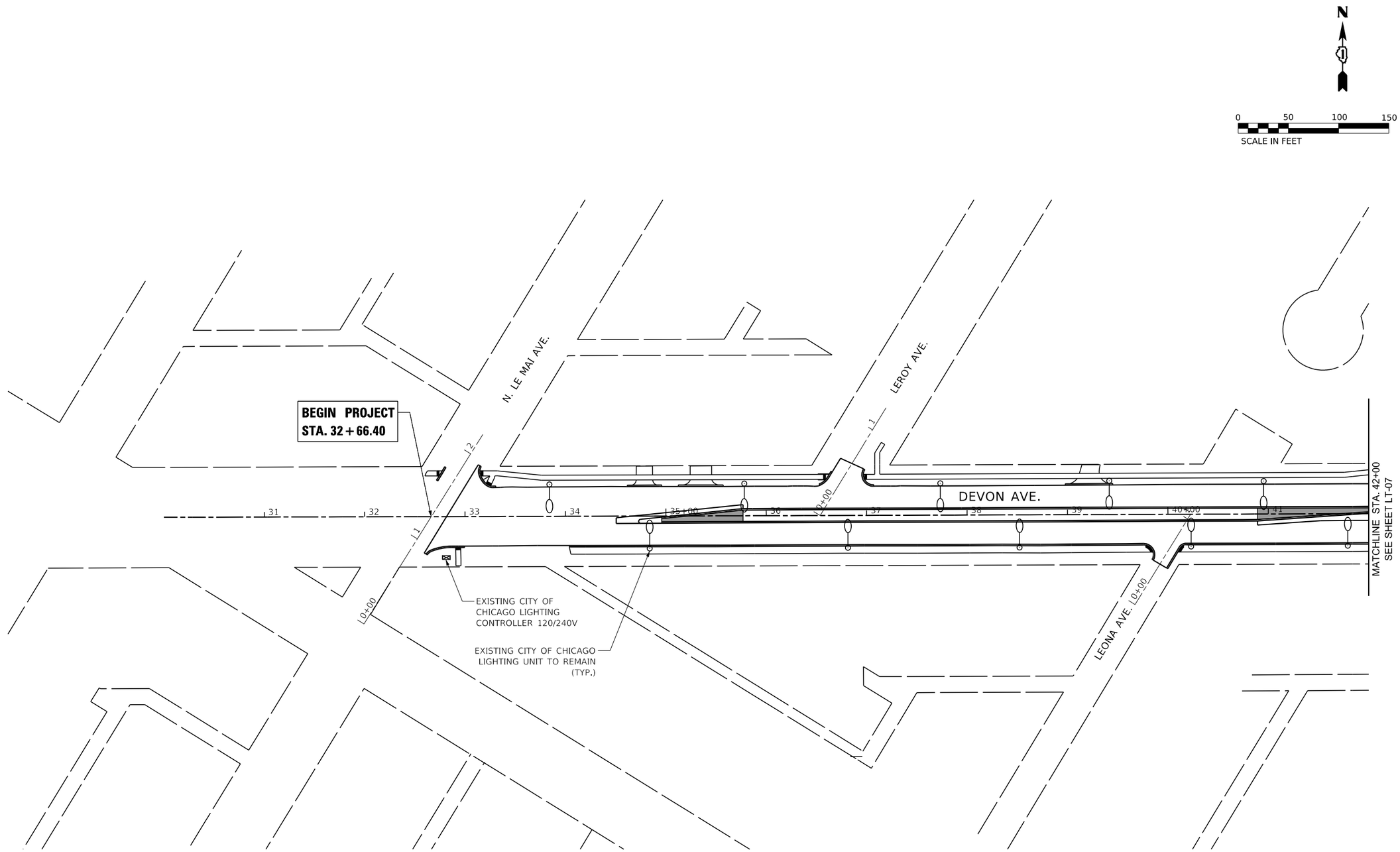
	PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -		SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	



NOTE

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.

LT-06

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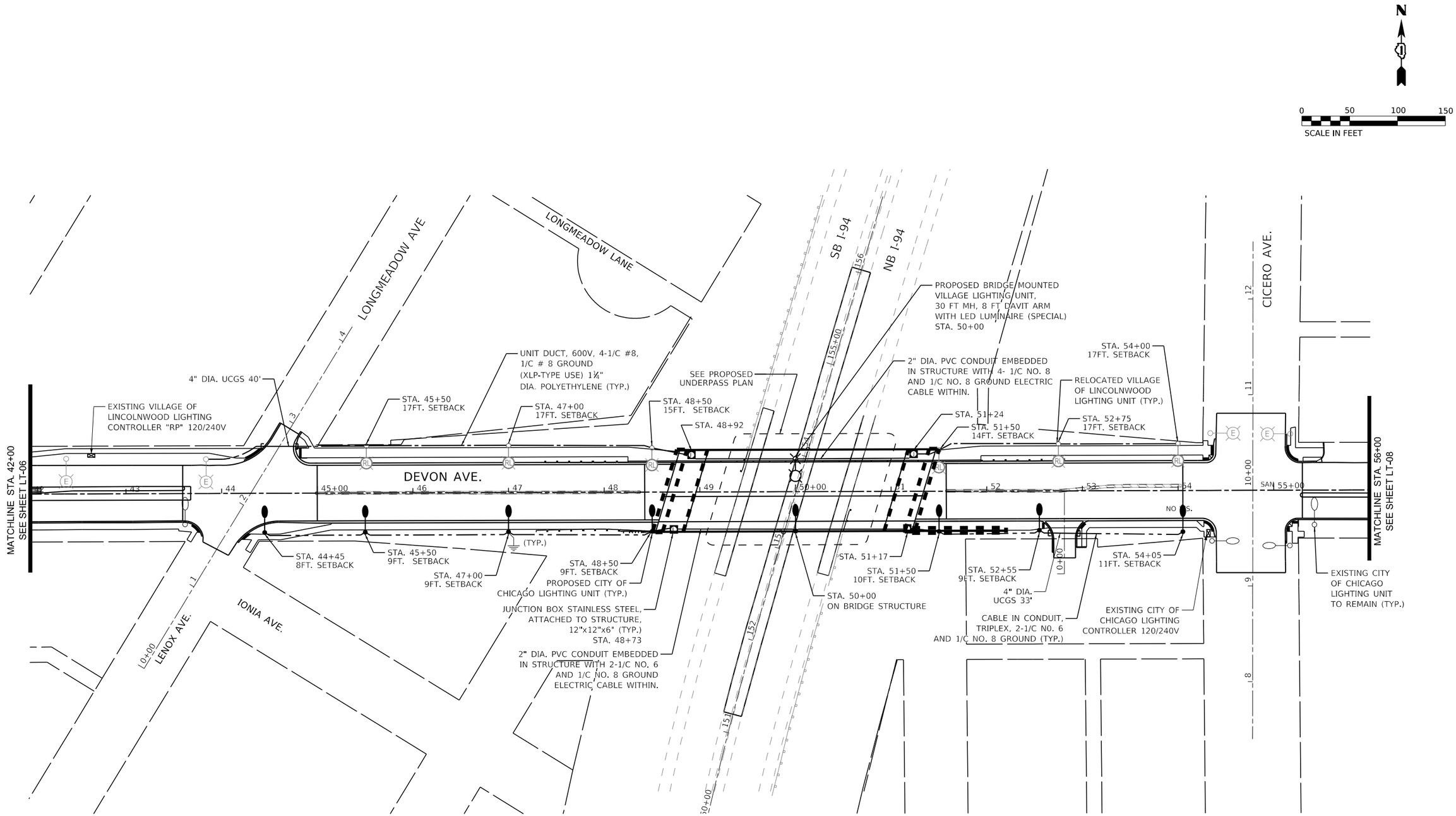
AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = cstoczynski	DESIGNED - BL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN (CDOT) I-94 AT DEVON AVENUE
		DRAWN - MD / SR	REVISED -		
	PLOT SCALE = 100.000 ' / in.	CHECKED - MH / KV	REVISED -		
	PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -		SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	210
		CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



NOTES

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED STEEL.

LT-07

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AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = cstoczynski	DESIGNED - BL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN (CDOT AND VILLAGE OF LINCOLNWOOD) I-94 AT DEVON AVENUE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MD / SR	REVISED -			1349	FAI 94 22 STRUCTURE 1	COOK	268	211
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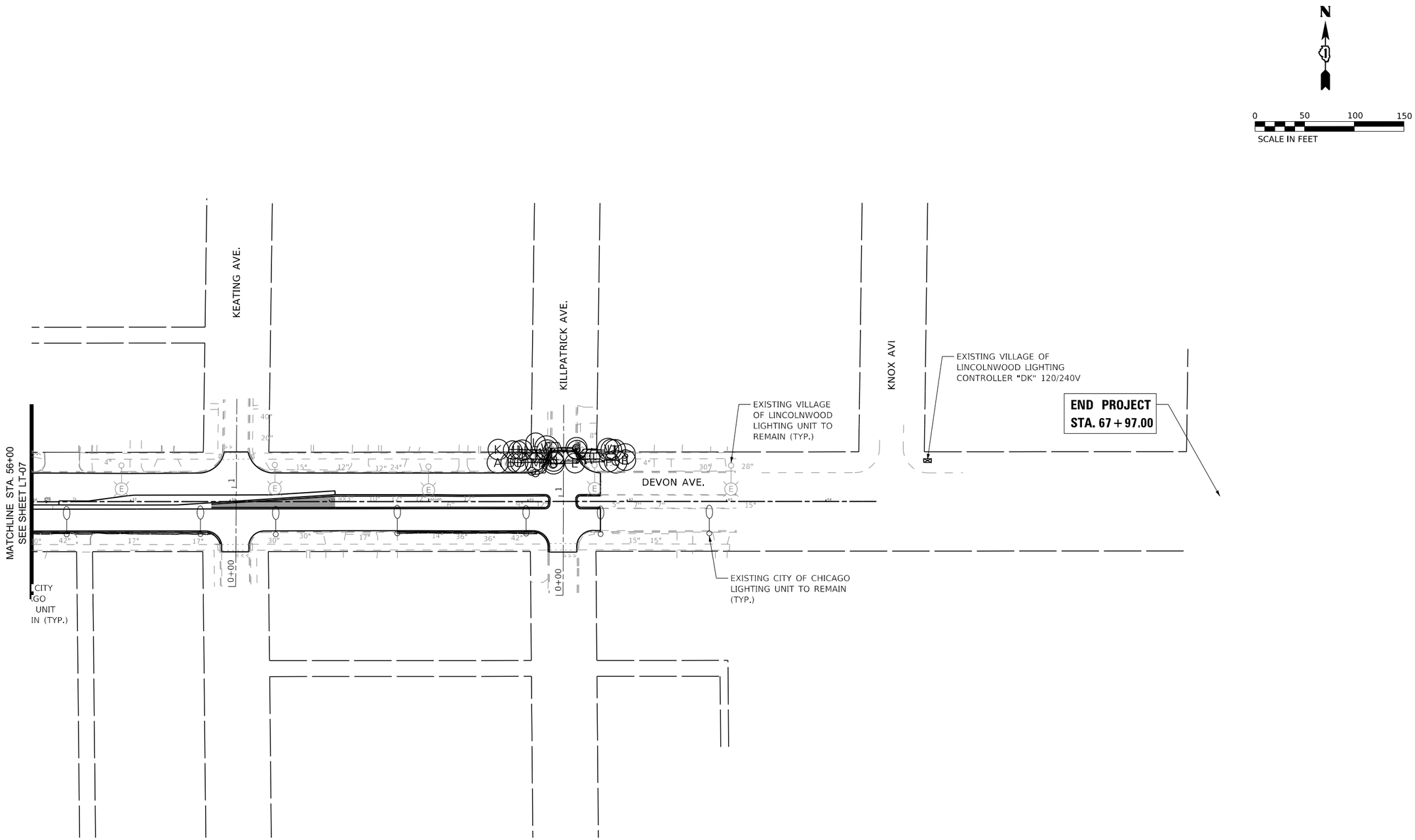
	PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -		SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		



NOTE

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.

LT-08

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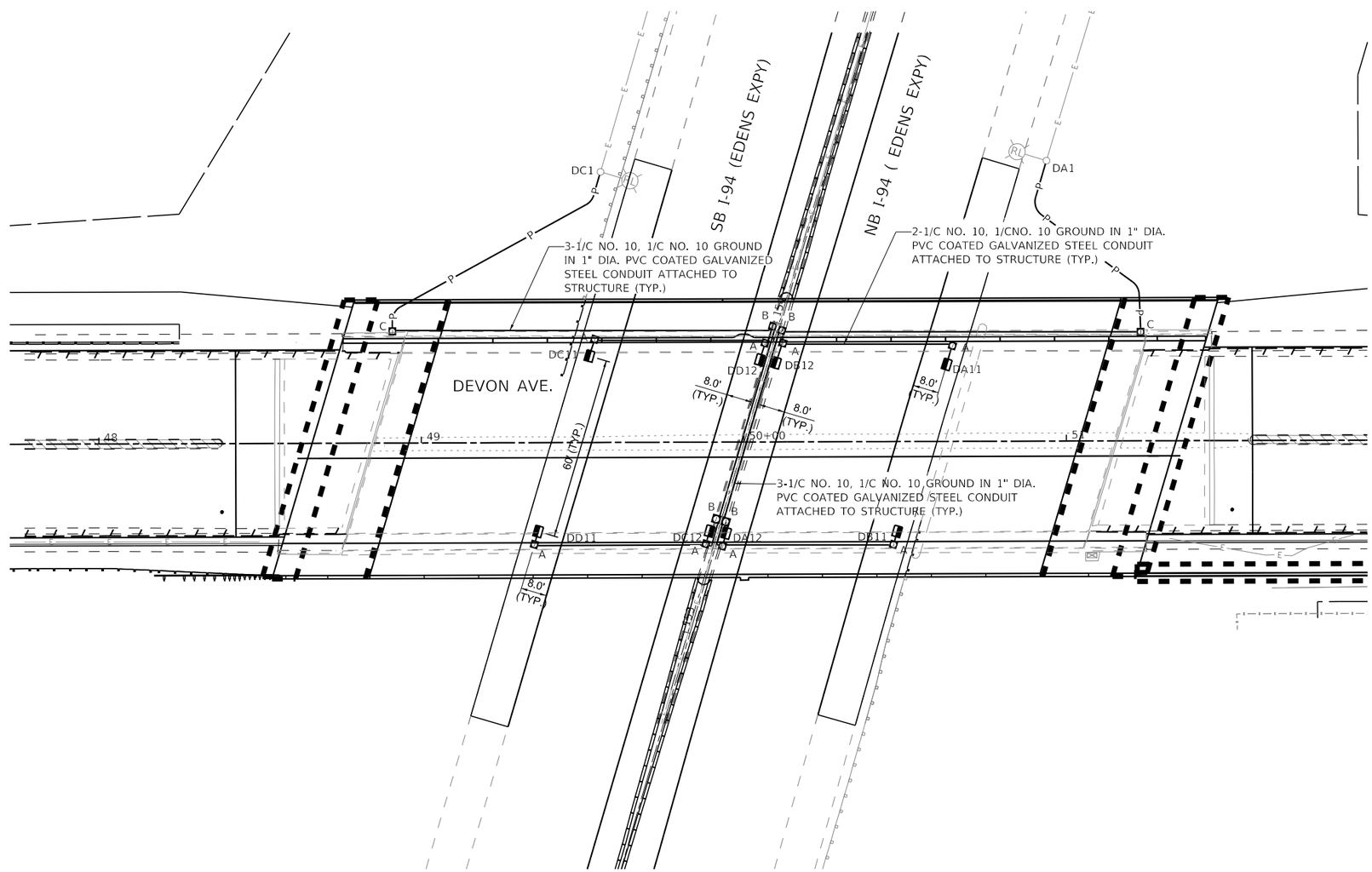
AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = cstoczynski	DESIGNED - BL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN (CDOT AND VILLAGE OF LINCOLNWOOD) I–94 AT DEVON AVENUE
		DRAWN - MD / SR	REVISED -		
	PLOT SCALE = 100.000 ' / in.	CHECKED - MH / KV	REVISED -		
	PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -		SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	212
		CONTRACT NO. 62R63		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. UNDERPASS LIGHTING SHALL BE CONNECTED TO THE EXISTING LIGHTING CONTROLLER "D" ON CIRCUITS A/B ON NB I-94 AND ON CIRCUITS C/D ON SB I-94.
3. MEDIAN CONDUIT AND CABLE SHALL BE ABANDONED.

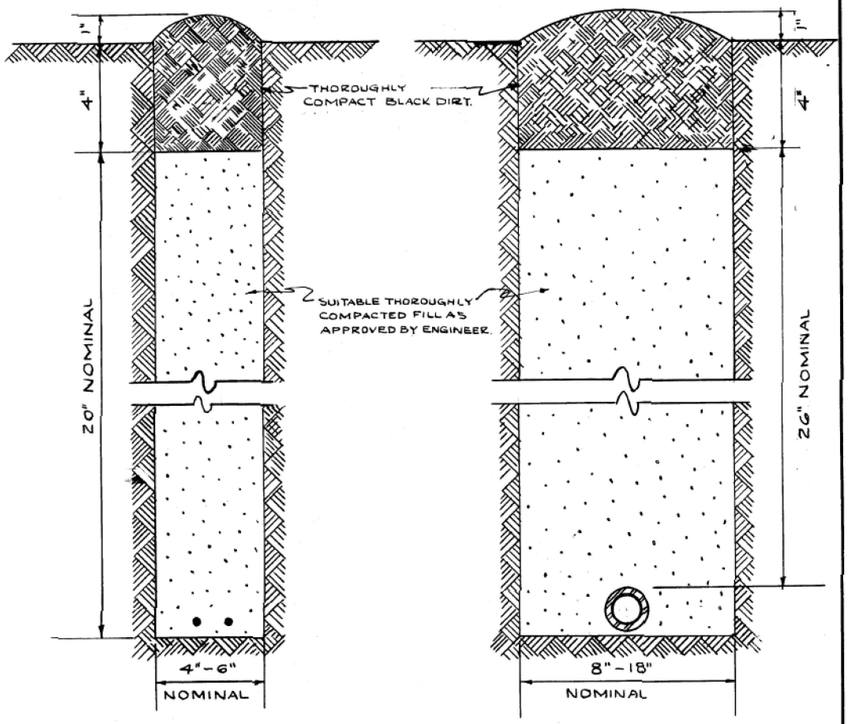
LEGEND

- PROPOSED UNDERPASS LUMINAIRE SUSPENDED MOUNT
- A — JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"x6"x4"
- B — JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x10"x6"
- C — JUNCTION BOX, STAINLESS STEEL ATTACHED TO STRUCTURE, 18"x18"x8" WITH OVERCURRENT PROTECTION
- CONDUIT ATTACHED TO STRUCTURE (ELECTRIC CABLE WITHIN)
- P — PROPOSED UNIT DUCT, 3-1/C # 4, 1/C NO. 6 GROUND, 1¼" DIA. POLYETHYLENE

LT-09

MODEL: Default
FILE NAME: pw:\\bw-pw.bentley.com:bw-pw-01\Documents\Projects\IDOT\02095R\CAD\Sheets\62R63 sht Light 09.dgn

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = cstoczynski	DESIGNED - BL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED UNDERPASS LIGHTING PLAN (IDOT) I–94 AT DEVON AVENUE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - MD / SR	REVISED -			1349	FAI 94 22 STRUCTURE 1	COOK	268	213
	PLOT SCALE = 40.000 ' / in.	CHECKED - MH / KV	REVISED -					CONTRACT NO. 62R63		
	PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -		SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		



CABLE TRENCH

CONDUIT TRENCH

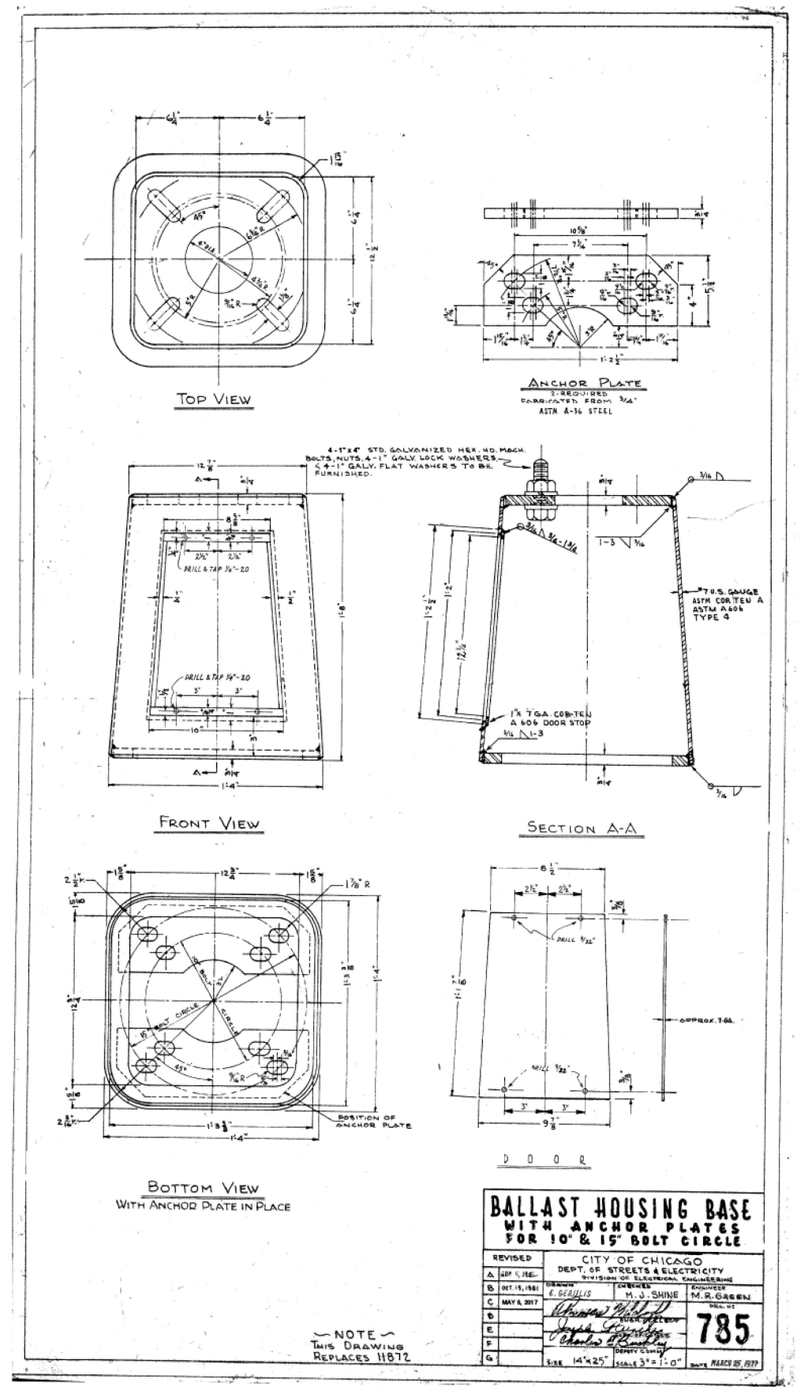
NOTE

EXCESS SOIL FROM TRENCH TO BE COMPLETELY REMOVED FROM SITE AS SOON AS PRACTICABLE.

BLACK DIRT TO BE TAMPED & THOROUGHLY COMPACTED AS SHOWN.

STANDARD METHOD FOR BACKFILLING CABLE & CONDUIT TRENCHES IN SODDED PARKWAY & LAWNS

REVISION	CITY OF CHICAGO DEPT. OF STREETS & SANITATION DIVISION OF ELECTRICAL ENGINEERING		
A	DRAWN. W. E. HARP.	CHECKED. M. J. Shine	ENGINEER. J. O'CONNOR.
B	ENGIN IN CHARGE.		DRG. NO.
C	SUPT. OF CONST.		579
D	DEPUTY COMM.		
E			
F			
G	SIZE. 8½"x14"	SCALE: N	DATE: 7-14-61
H			



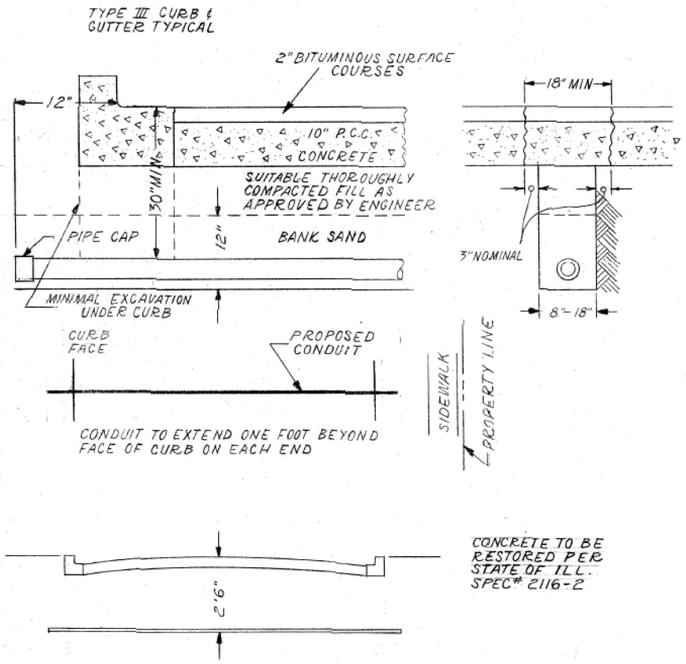
NOTE
THIS DRAWING REPLACES 11872

BALLAST HOUSING BASE
WITH ANCHOR PLATES
FOR 10" & 15" BOLT CIRCLE

REVISED	CITY OF CHICAGO DEPT. OF STREETS & ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
A APR. 5, 1966	DRAWN E. BERLLIS	CHECKED M. J. SHINE	ENGINEER M. R. GREEN
B OCT. 15, 1981			
C MAY 8, 2017			DRG. NO. 785
D			
E			
F			
G	SIZE 14"x25"	SCALE 3"=1'-0"	DATE MARCH 25, 1959

LT-10

CONDUIT INSTALLATION UNDER PAVED STREET



INSTALLATION METHOD OF INSTALLING CONDUIT UNDER PAVED ROADWAY

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

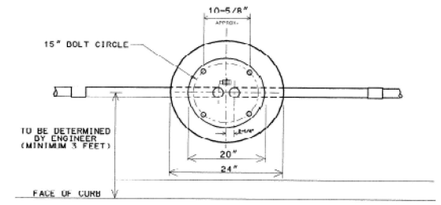
DRAWN	CHECKED	ENGINEER
A.M. JOHNSON	R. SYCKOWSKI	R.L. MARTIN

ENGINEER OF ELECTRICITY

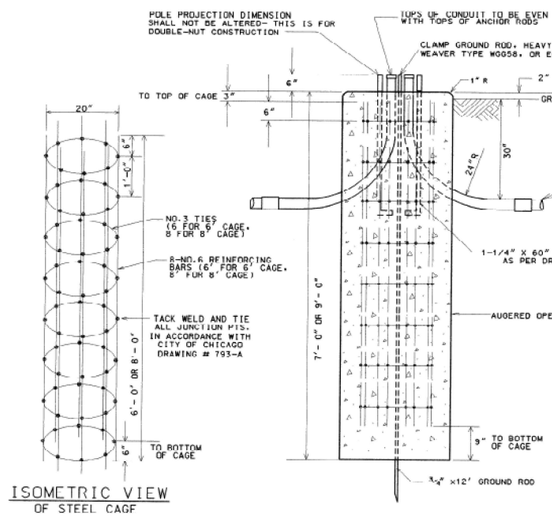
DEPUTY COMM.

DRG. NO. 813

SIZE 8½"X14" SCALE N.T.S. DATE 3-13-81



TOP VIEW



ISOMETRIC VIEW
OF STEEL CAGE

ELEVATION

NOTES:
1. 7 FOOT FOUNDATION FOR ARTERIAL STREET LIGHT POLE, UNLESS NOTED OTHERWISE. 9 FOOT FOUNDATION FOR TRAFFIC POLE WITH 16', 20', OR 26' MONOTUBE MAST ARM.
2. CONCRETE MUST MEET IDOT REQUIREMENTS FOR PORTLAND CEMENT CLASS SI CONCRETE.
3. REINFORCING BARS MUST MEET ASTM A-615 GRADE 60.

NOTE: HOLE FOR FOUNDATION MUST BE AUGURED IN UNDISTURBED SOIL

CODE	COMMODITY	SIZE	QUANTITY
05-3267-2940	REDI-MIX CONCRETE	CU. YD.	0.82 OR 1.05
09-4001-	ELBOW, LARGE RADIUS	2",2-1/2",3",4"	VARIES
37-8180-0200	ANCHOR ROD	1-1/4" X 60"	4
05-5064-6910	RE-BAR CAGE	20"⌀ X 6'(or 8')	1
09-7796-9200	GROUND ROD	¾" X 12'-0"	1
09-2636-3240	GROUND ROD CLAMP	3/4 "	1
09-2092-	GROUND BUSHING	2",2-1/2",3" OR 4"	VARIES

DATE	REVISION
8/21/02	SUPERCEDES DWG #818 DRAWN 4/21/81

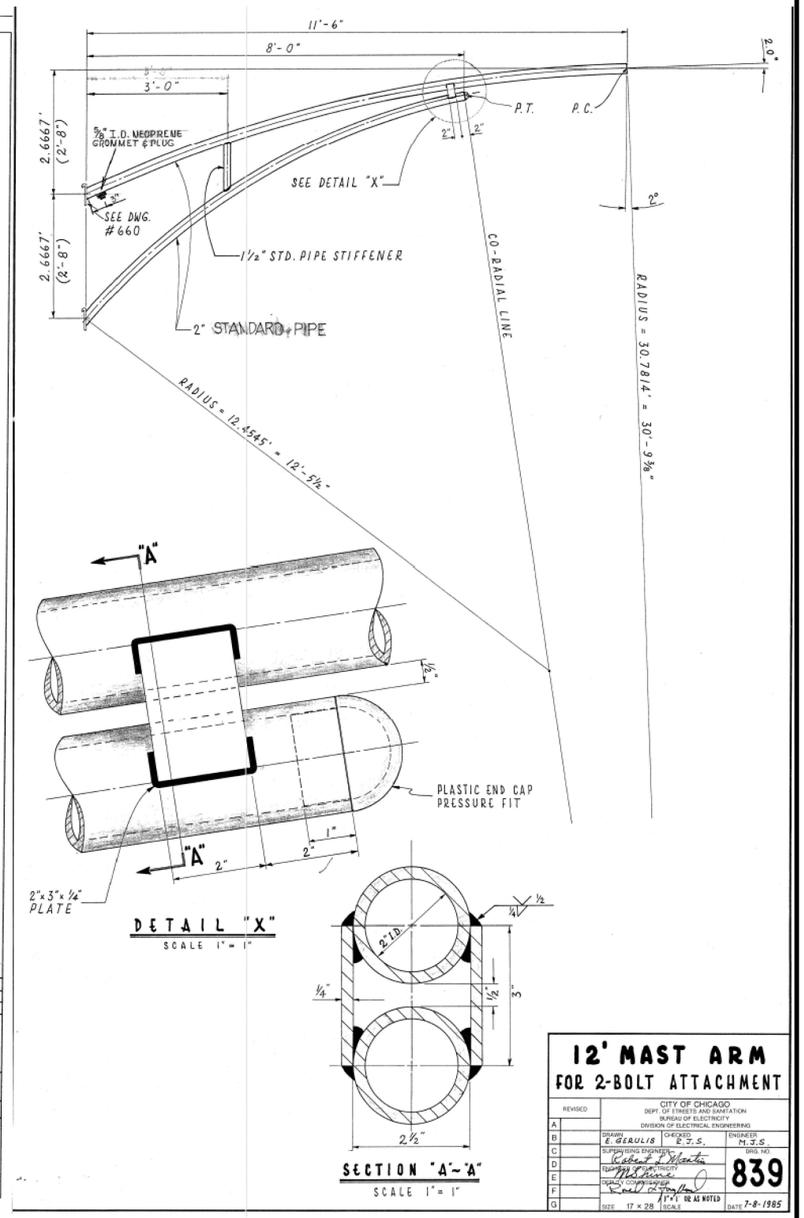
FOUNDATION FOR 34'-6" ARTERIAL STREET LIGHT OR TRAFFIC SIGNAL POLE - 3 OR 7 GAUGE WITH 15" BOLT CIRCLE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: B. GARNSEY | CHIEF DRAFTSMAN: J. CARTER | ENGINEER: B. GARNSEY
ELECTRICAL SERVICE ENGINEER
ENGINEER OF ELECTRICITY
GENERAL SUPERINTENDENT
DEPUTY COMMISSIONER

DRAWING NO. 818

SIZE: 11" x 17" SCALE: NONE DATE: 8/21/02



12' MAST ARM FOR 2-BOLT ATTACHMENT

REVISED	
A	
B	
C	
D	
E	
F	
G	

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWN E. GERULIS | CHECKED E.J.S. | ENGINEER M.J.S.
SUPERVISING ENGINEER Robert L. Martin
ENGINEER OF ELECTRICITY Michael J. Sykes
GENERAL SUPERINTENDENT & CHIEF ELECTRICIAN Paul M. Fox
DEPUTY COMMISSIONER

DRG. NO. 839

SIZE 17 x 28 SCALE 1"=1" OR AS NOTED DATE 7-8-1985

LT-11

MODEL: Default
FILE NAME: pw:\\bw-pw.bentley.com:bw-pw-01\Documents\Projects\ILDOT\0220958\CAD\Sheets\62R63_sht-lgnt 11.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = cstoczynski	DESIGNED - BL	REVISED -	
	DRAWN - MD / SR	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED - MH / KV	REVISED -	
PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS – 2 (CDOT)
I-94 AT DEVON AVENUE

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

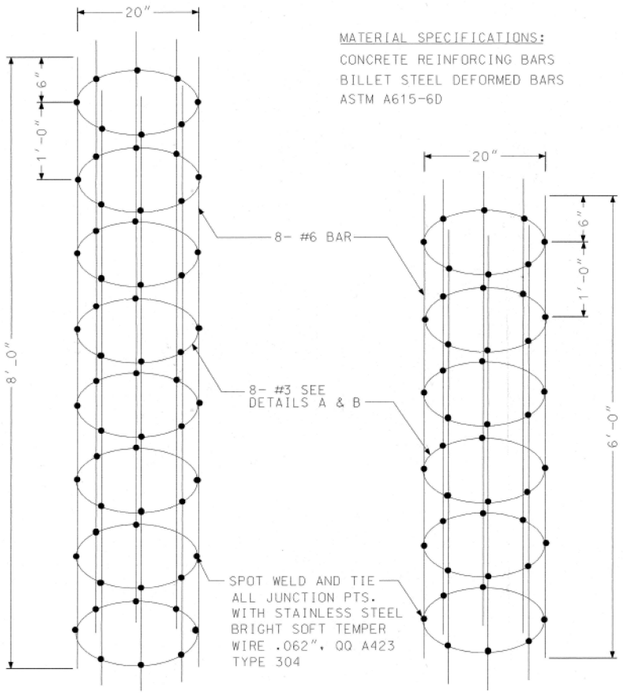
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	215

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT

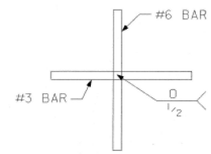
MATERIAL SPECIFICATIONS:
CONCRETE REINFORCING BARS
BILLET STEEL DEFORMED BARS
ASTM A615-6D

CODE	COMMODITY	SIZE	QUANITY
20-9545-	ROD, WELDING LINCOLN WELD OR EQUAL	#7018	5#
31-	WIRE, TIE STEEL STAINLESS QQ W423 COND. "A" SOFT	.062	1.0#

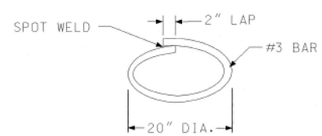


ISOMETRIC VIEW OF 8' STEEL CAGE

ISOMETRIC VIEW OF 6' STEEL CAGE



DETAIL "B"



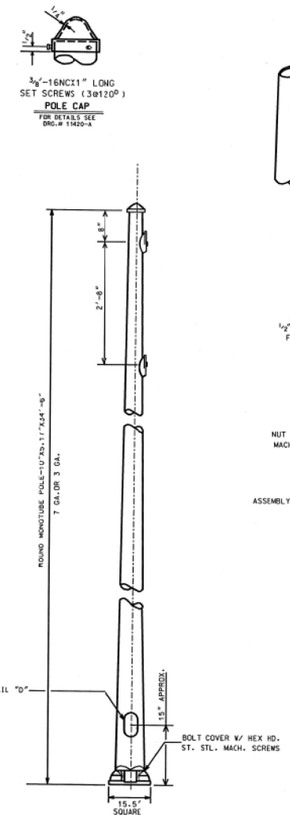
DETAIL "A"

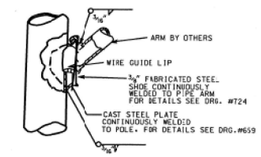
A	REVISION	DATE

STEEL CAGES FOR POLE FOUNDATIONS

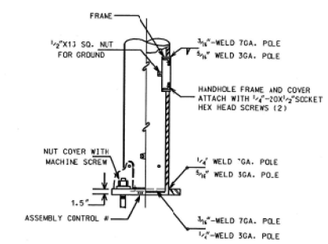
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWTSMAN: I. ABARNCH; CHIEF DRAFTSMAN: R. CARTER; ENGINEER: R. POOL
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.
ENGINEER-OF-ELECTRICITY:
DEPT. SUPT. OF ELECTRICITY:
DEPUTY COMMISSIONER:
DWG. NO. 793A
SIZE: 16" X 21" SCALE: NONE DATE: 30-12-02

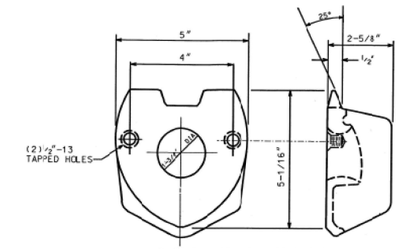




SECTION AT POLE PLATE

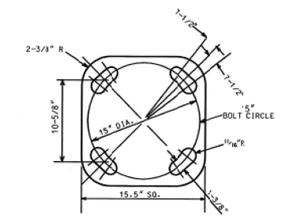


DETAIL "D"



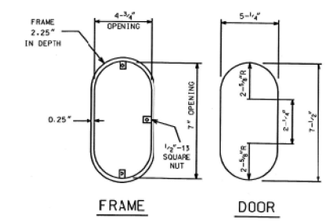
2 BOLT MAST ARM ATTACHMENT

FOR DETAILS SEE DRG.# 659 MATERIAL: CAST STEEL



DETAIL "A"

BOLT SLOTS



FRAME DOOR

HANDHOLE DETAIL

5.17"x10.0" STEEL/34'-6" POLE
7 OR 3 GAUGE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWTSMAN: ROBERT IVY; CHIEF DRAFTSMAN: ROBERT CARTER; ENGINEER: RON POOL
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.
ENGINEER-OF-ELECTRICITY:
DEPT. SUPT. OF ELECTRICITY:
DEPUTY COMMISSIONER:
DWG. NO. 808
10-03-01

LT-12

MODEL: Default
FILE NAME: pw:\\bw-pw.bentley.com:bw-pw-01\Documents\Projects\ILDOT\0220958\CADSheets\62R63_sht-light 12.dgn

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = cstoczynski	DESIGNED - BL	REVISED -	
	DRAWN - MD / SR	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED - MH / KV	REVISED -	
PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -	

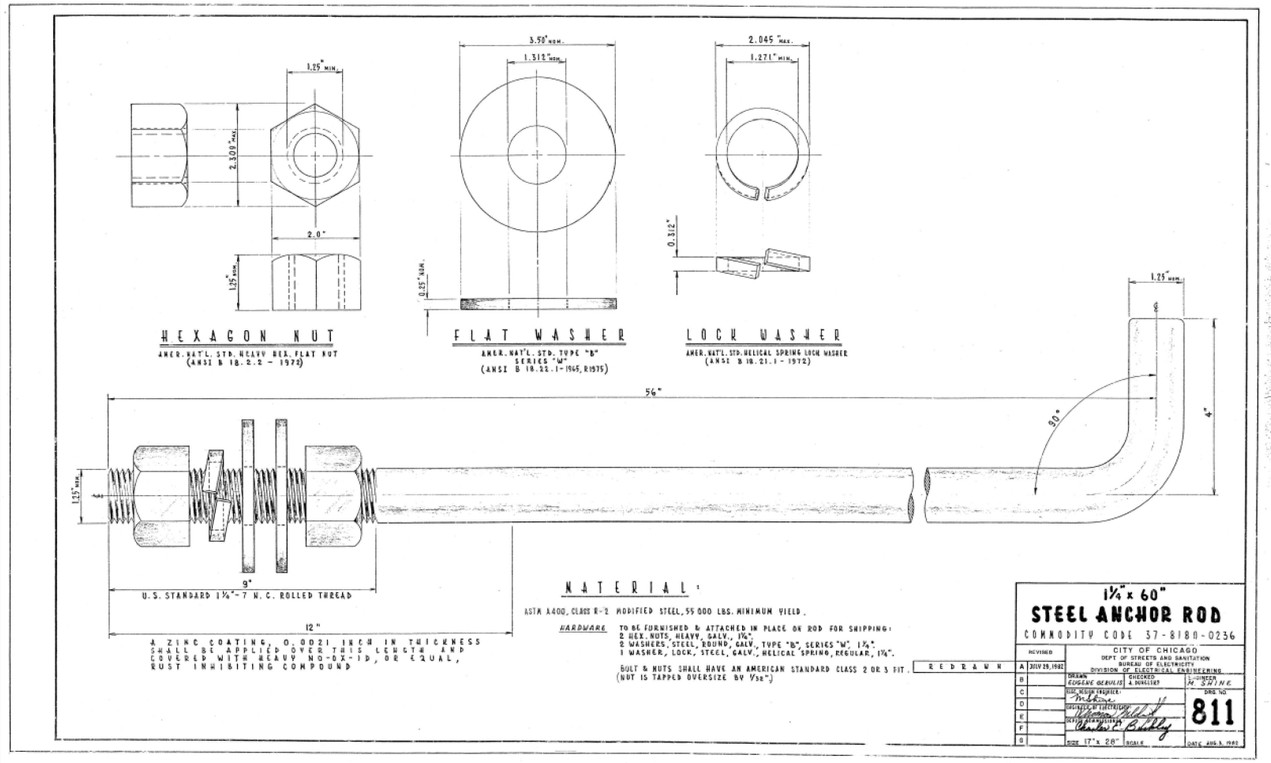
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

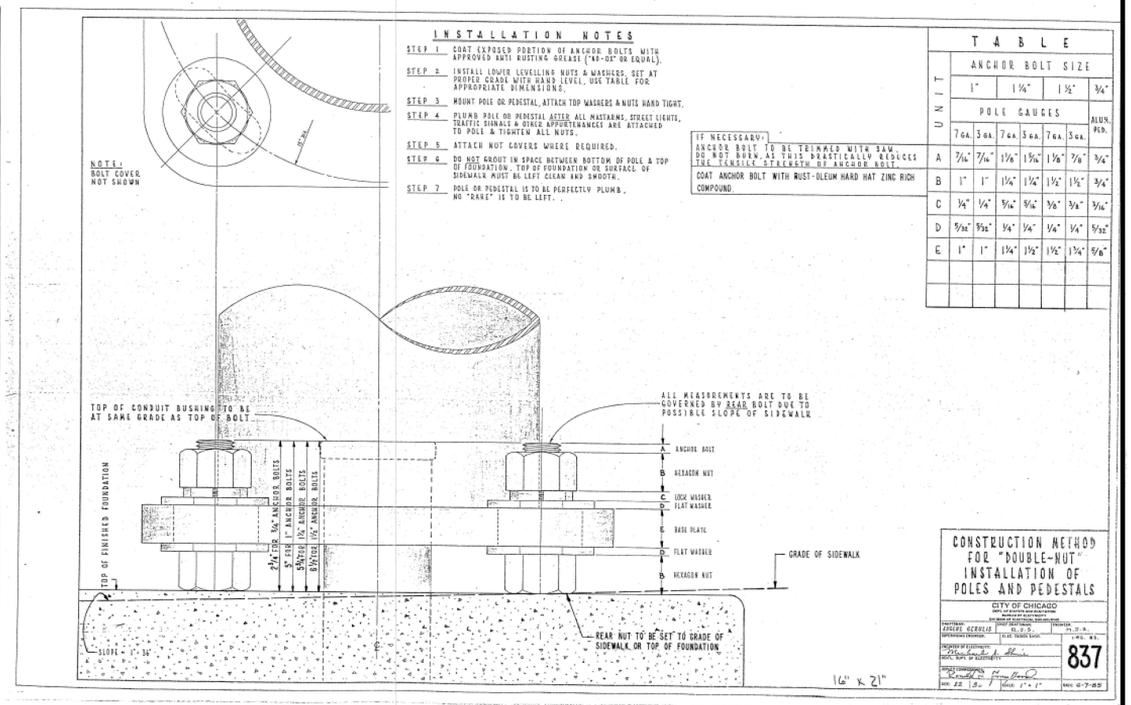
DETAILS – 3 (CDOT)
I-94 AT DEVON AVENUE

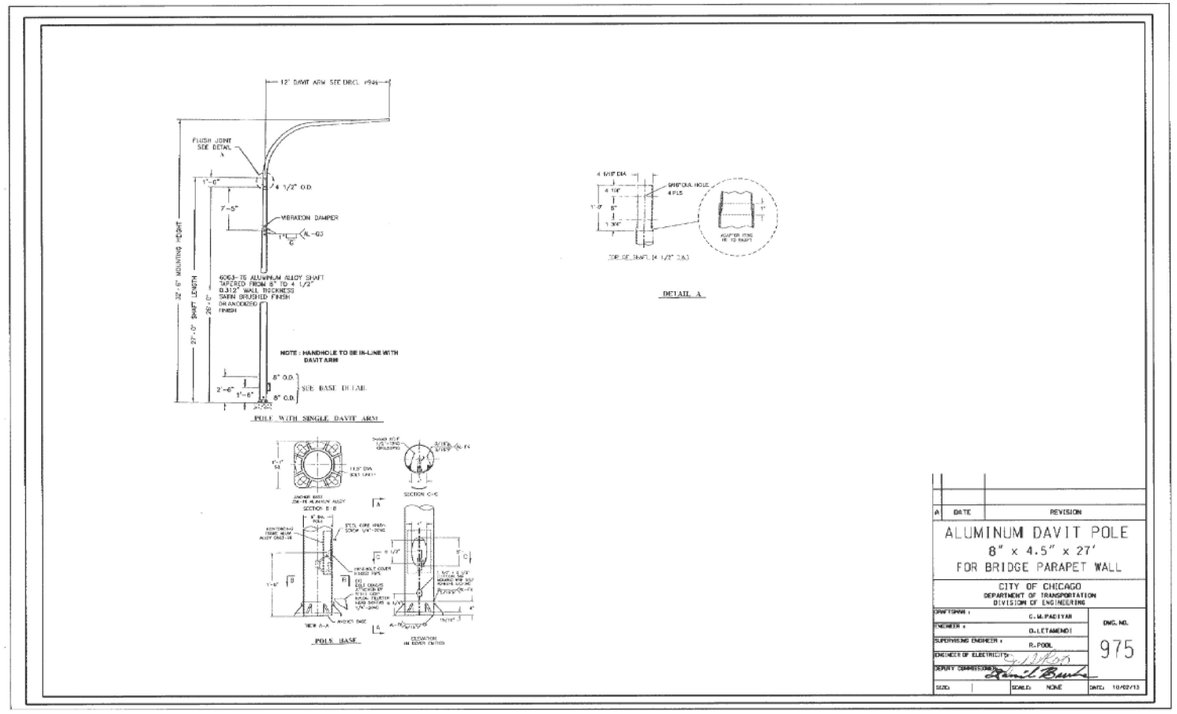
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	216

CONTRACT NO. 62R63
ILLINOIS | FED. AID PROJECT







LT-13

AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = cstoczynski	DESIGNED - BL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS – 4 (CDOT) I–94 AT DEVON AVENUE	F.A. RTE. 1349	SECTION FAI 94 22 STRUCTURE 1	COUNTY COOK	TOTAL SHEETS 268	SHEET NO. 217
		DRAWN - MD / SR	REVISED -					CONTRACT NO. 62R63		
	PLOT SCALE = 40.000 ' / in.	CHECKED - MH / KV	REVISED -							
	PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

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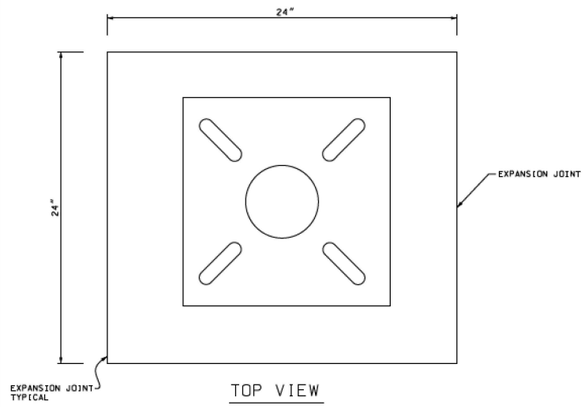
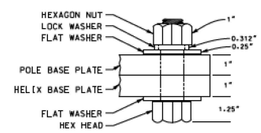
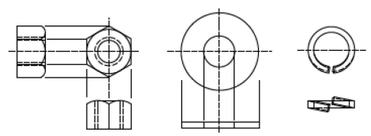


TOP VIEW



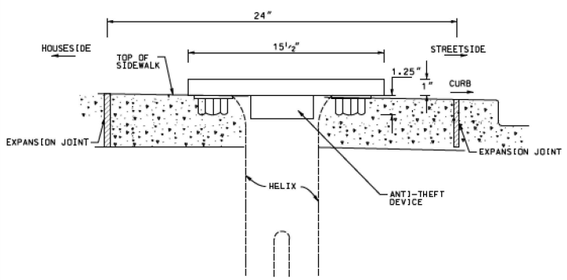
BOLT DETAIL



HEXAGON NUT
ANSI, NATL. STD. HEAVY HEX FLAT NUT (ANSI B 18.2.2 - 1972)

FLAT WASHER
ANSI, NATL. STD. TYPE "B" SERIES "A" (ANSI B 18.22.1 - 1965, R1975)

LOCK WASHER
ANSI, NATL. STD. HELICAL SPRING LOCK WASHER (ANSI B 18.21.1 - 1972)



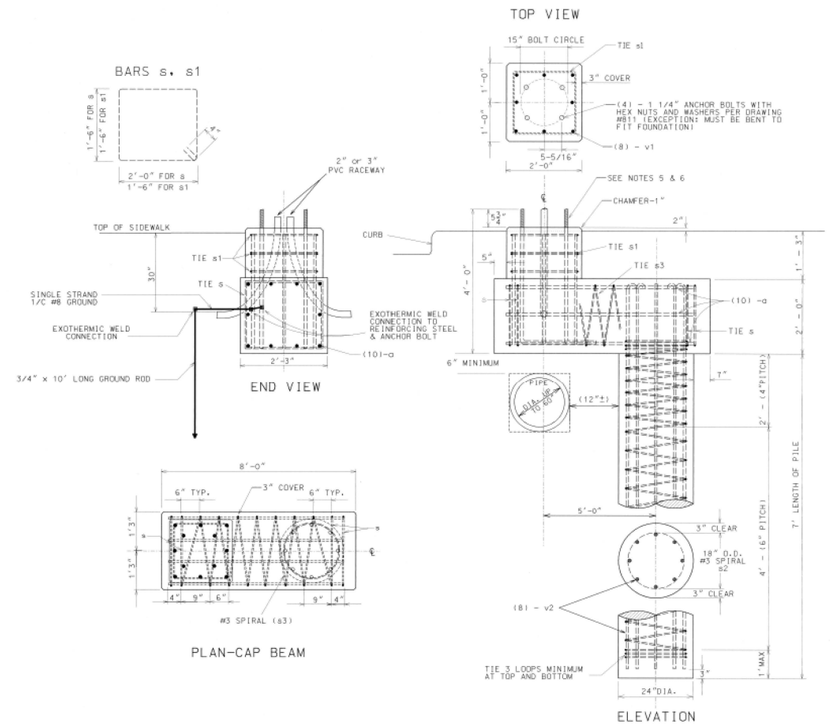
SIDE VIEW

DATE	REVISION

CONSTRUCTION METHOD FOR INSTALLATION OF HELIX FOUNDATION IN SIDEWALK

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
BUREAU OF ELECTRICITY

DRAFTSMAN/ENGINEER :	G.WAJNCHAR
SUPERVISING ENGINEER/PM :	G.LETAMENDI
PROFESSIONAL ENGINEER :	M.POOL
ENGINEER OF ELECTRICITY :	
DEPUTY COMMISSIONER:	
SIZE: 16" 22"	SCALE: NONE
DWG. NO.	891
DATE: 8/26/2014	



NOTES

1. EXCAVATION OF THE POLE FOUNDATION MUST BE MADE WITH AN AUGER, 30" IN DIAMETER
2. THE ANCHOR WILL BE A TACK WELDED TYPE. BOLT OR HOOK TYPE BOLT. COLD BENDING OF THE HOOK BOLT WILL NOT BE ALLOWED.
3. THE ANCHOR BOLTS AND CONDUITS MUST BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM
4. THE ENTIRE LENGTH OF THE ANCHOR BOLTS AS WELL AS THE NUTS AND WASHERS MUST BE HOT DIP GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM DESIGNATION A153
5. ANCHOR BOLTS AND CONDUITS MUST PROJECT 5-3/4" ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR MUST CONFIRM ANCHOR BOLT AND CONDUIT EXTENSIONS WITH ENGINEER.
6. POLES MUST BE INSTALLED PER DRAWING 83T
7. THE CONDUIT TRENCH MUST BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT POLE IS ERECTED
8. CONCRETE MUST MEET IDOT REQUIREMENTS FOR PORTLAND CEMENT CLASS SI CONCRETE
9. ALL REINFORCEMENT SHALL HAVE A MINIMUM 3" COVER OF CONCRETE

RE-BAR SCHEDULE

MARK	NO.	SIZE	SHAPE	LENGTH
a	10	6	——	7'-0"
s	4	4	□	7'-8"
s1	3	3	□	6'-8"
s2	1	3	○	99'-3"
s3	1	3	○	99'-8"
v1	8	6	——	2'-11"
v2	8	6	——⟩	9'-0"

OFFSET FOUNDATION FOR LIGHT POLE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: B. GARNSEY	ENGINEER: GARNSEY, LETAMENDI
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.
ENGINEER OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 36" 22"	SCALE: N.T.S.
DWG. NO.	937
DATE: 1/28/03	

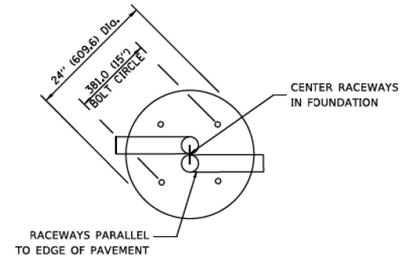
LT-14

MODEL: Default
FILE NAME: pw:\\bw-pw.bentley.com:bw-pw-01\Documents\Projects\ILDOT\10220958\CAD\Sheets\62R63_sht-lions 14.dgn

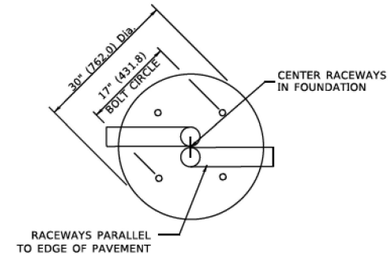
AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = cstoczynski	DESIGNED - BL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS – 5 (CDOT) I-94 AT DEVON AVENUE	F.A. RTE. 1349	SECTION FAI 94 22 STRUCTURE 1
		DRAWN - MD / SR	REVISED -			COUNTY COOK	TOTAL SHEETS 268 / SHEET NO. 218
	PLOT SCALE = 40.000 ' / in.	CHECKED - MH / KV	REVISED -			CONTRACT NO. 62R63	
	PLOT DATE = 8/11/2025	DATE - 3-27-2025	REVISED -		SCALE: NONE / SHEET 5 OF 5 SHEETS / STA. / TO STA.	ILLINOIS	FED. AID PROJECT

LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

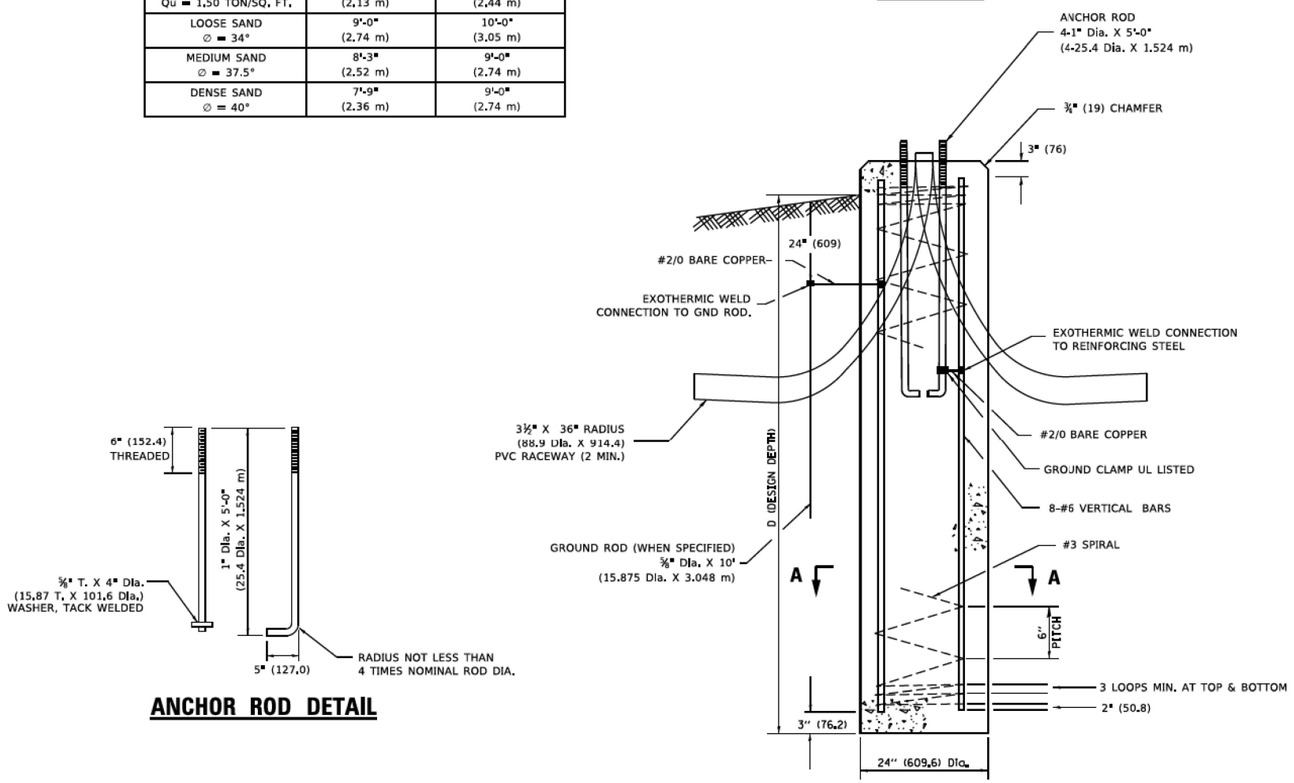
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.09 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND ∅ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND ∅ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND ∅ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



TOP VIEW



TOP VIEW

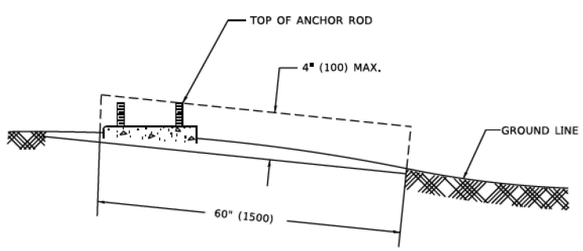


ANCHOR ROD DETAIL

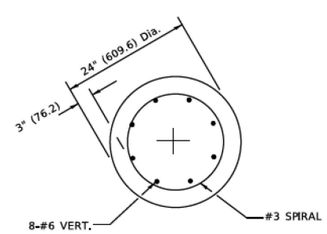
FOUNDATION DETAIL

NOTES

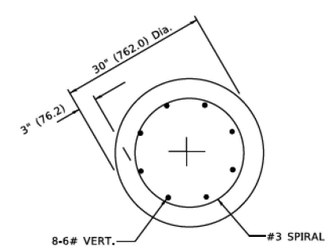
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



FOUNDATION EXTENSION DETAIL



SECTION A–A



SECTION A–A

(VILLAGE OF LINCOLNWOOD) LT-15

USER NAME = footemj	DESIGNED -	REVISED - 04-22-02	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 4/19/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	219
	BE-301	CONTRACT NO. 62R63		
	ILLINOIS	FED. AID PROJECT		

FOUNDATION DESIGN TABLE

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

BILL OF MATERIAL

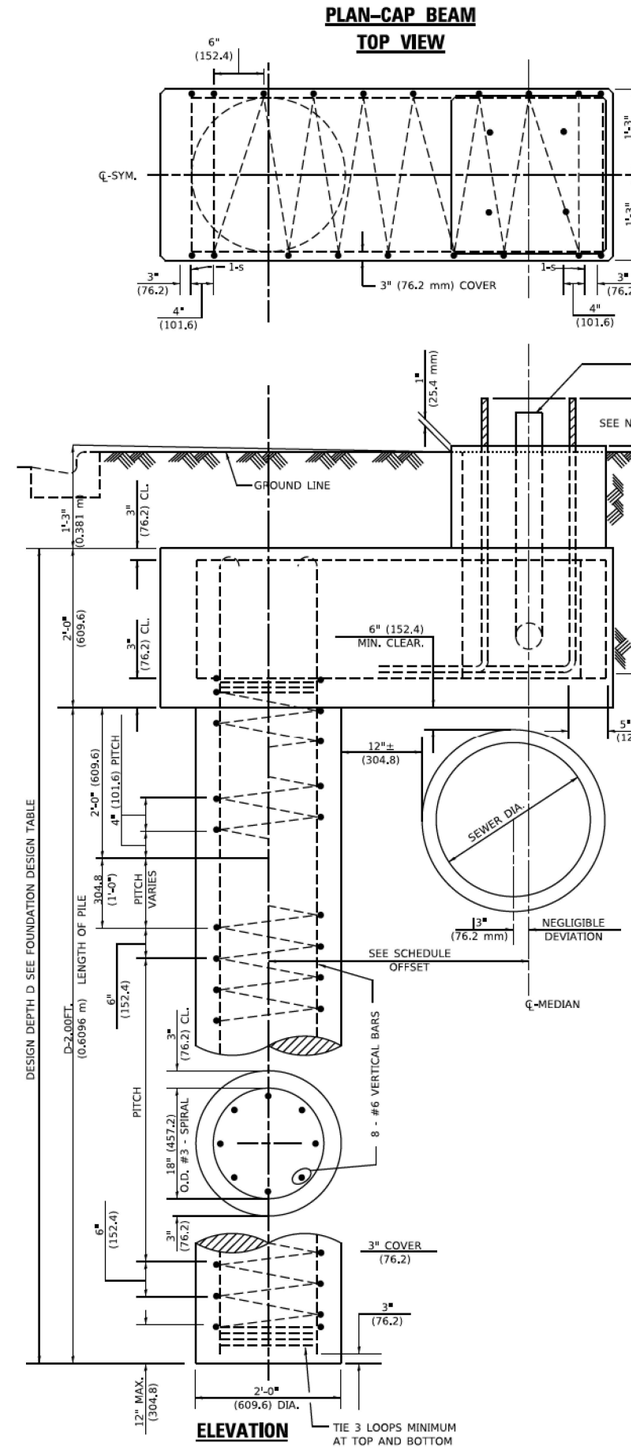
MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	▭
s_1	3	3	7'-6" (2.286 m)	▭
v_1	8	6	2'-9" (0.838 m)	—
v_2				

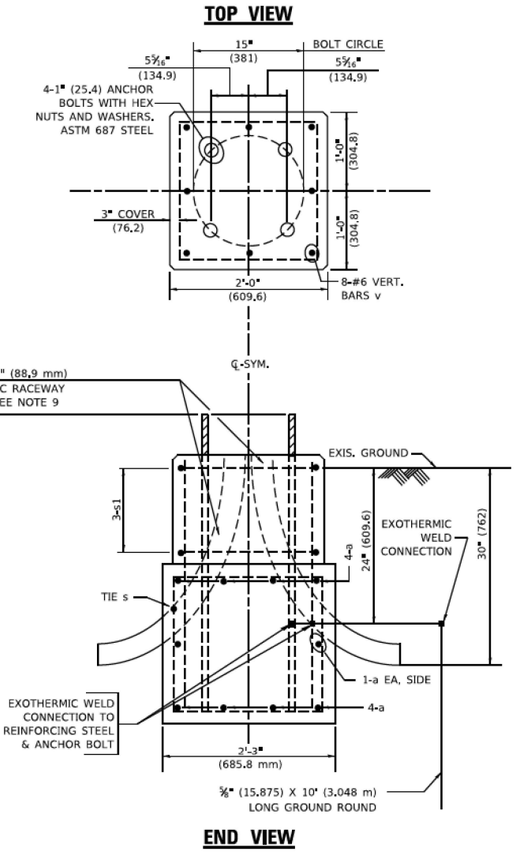
OFFSET SCHEDULE

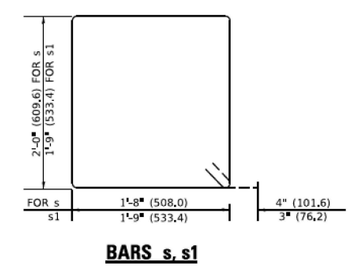
SEWER DIAM. d IN.	PILE OFFSET from ℄-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 m)TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524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

NOTES

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







(VILLAGE OF LINCOLNWOOD) LT-16

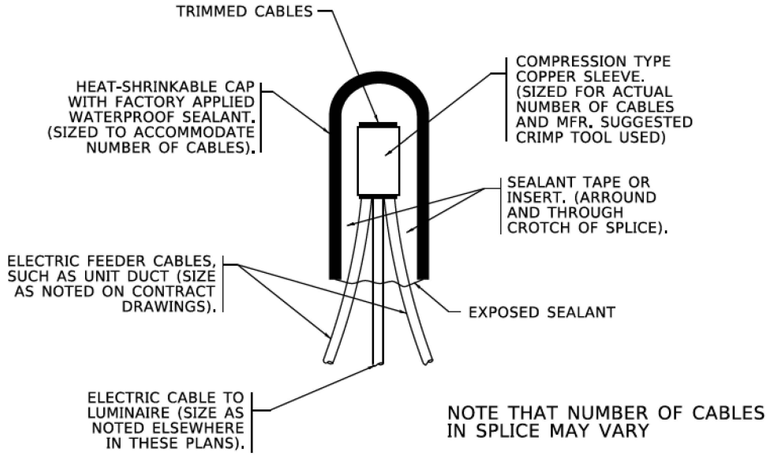
USER NAME = footemj	DESIGNED -	REVISED -	R.TOMSONS 6-16-08
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 4/19/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION OFFSET
40' (12.192m) TO 47 1/2' (14.478m) M.H., 15" (381mm) BOLT CIRCLE

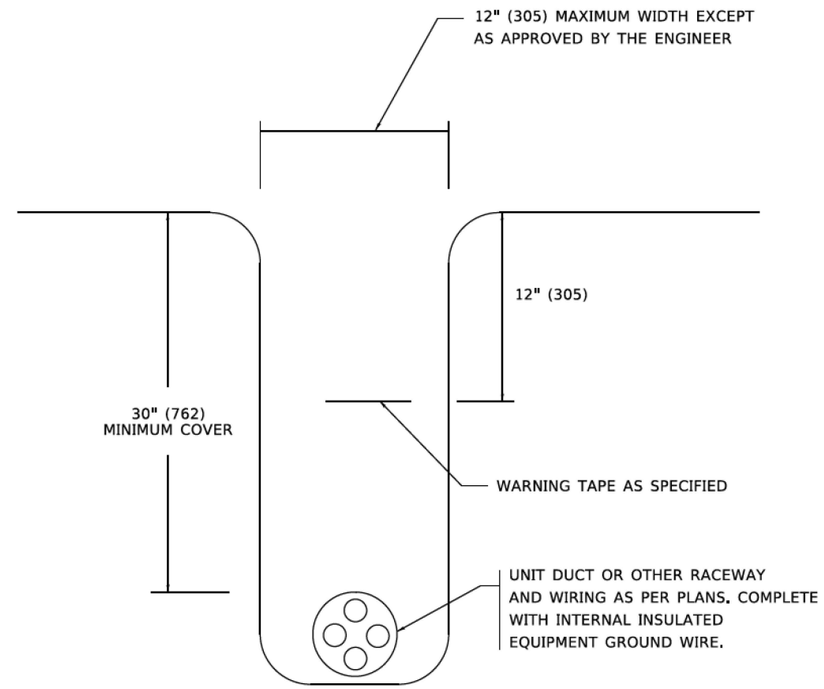
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	220
BE310		CONTRACT NO. 62R63		
		ILLINOIS FED. AID PROJECT		



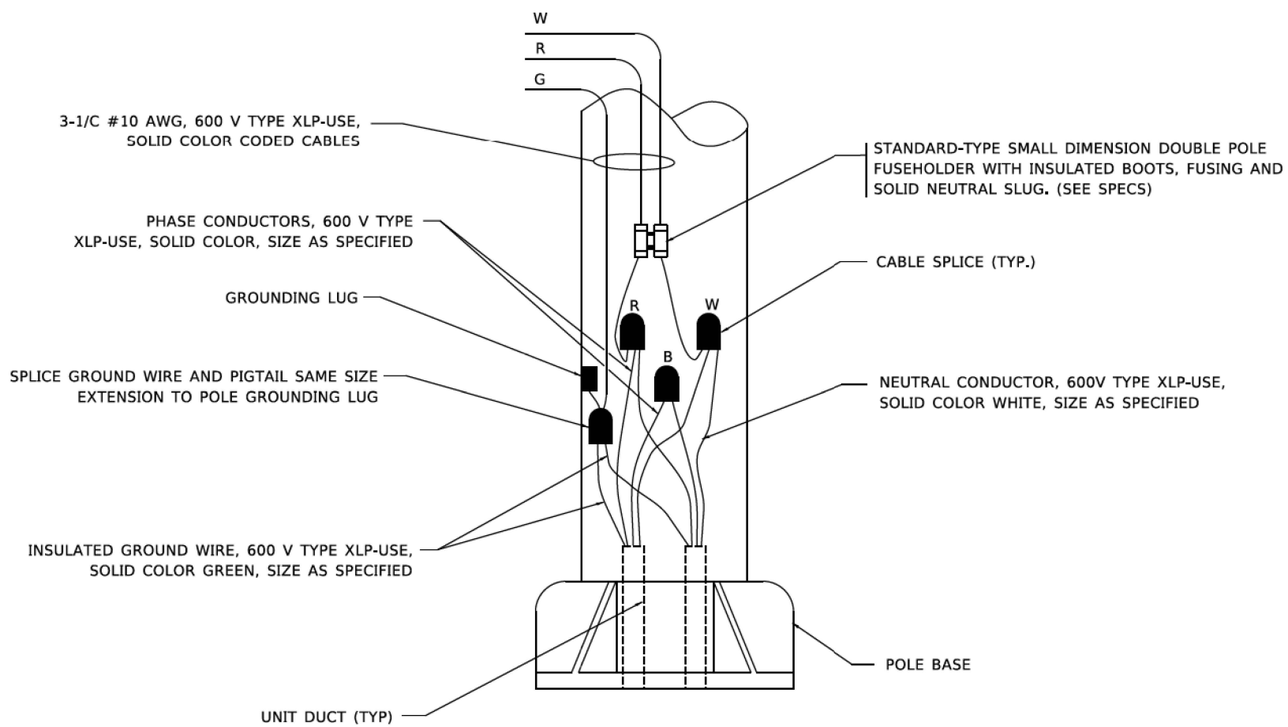
TYPICAL SPLICE DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

(IDOT AND VILLAGE OF LINCOLNWOOD) LT-17

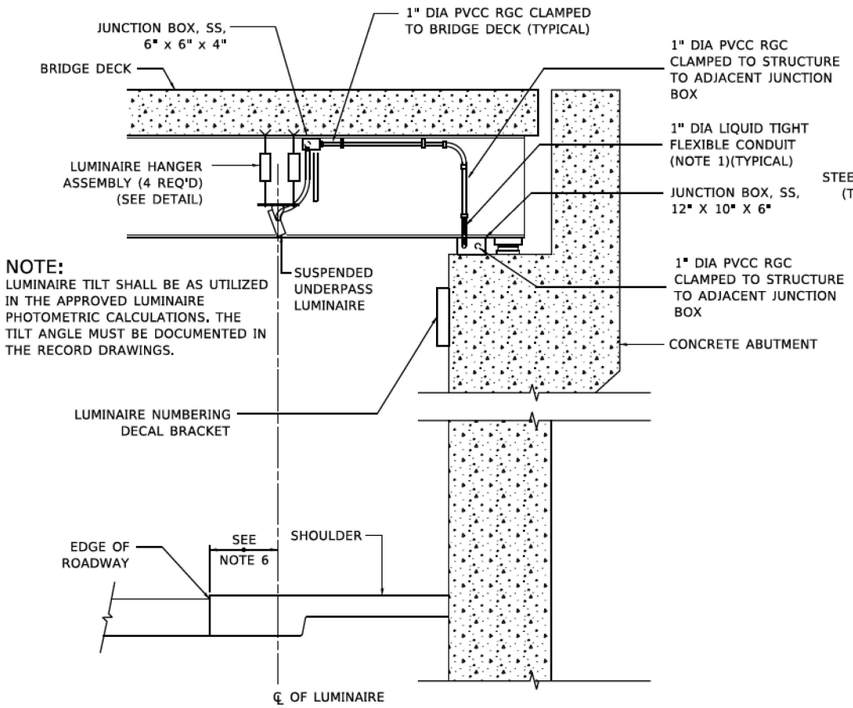
USER NAME = leysa	DESIGNED -	REVISED - 02/04/2020	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/2/2020	DATE - 08/08/2003	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

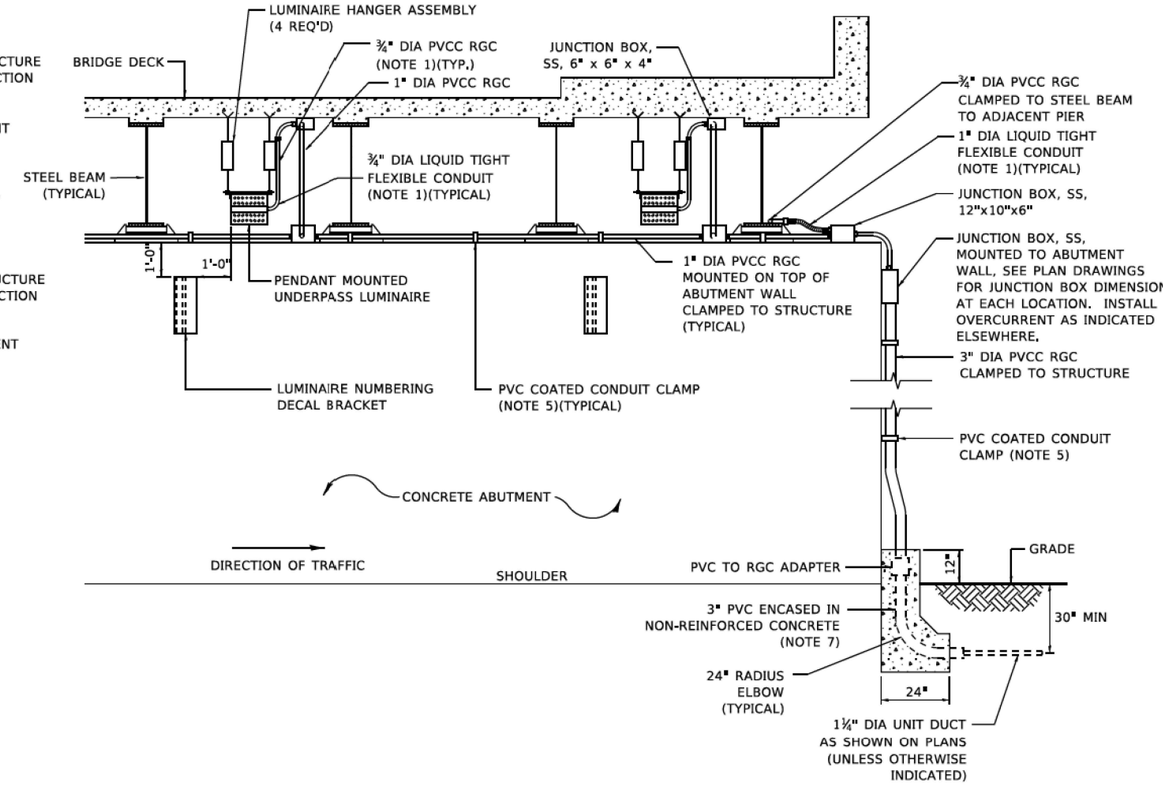
MISC. ELECTRICAL DETAILS
SHEET A

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	221
	BE-702	CONTRACT NO. 62R63		
		ILLINOIS FED. AID PROJECT		

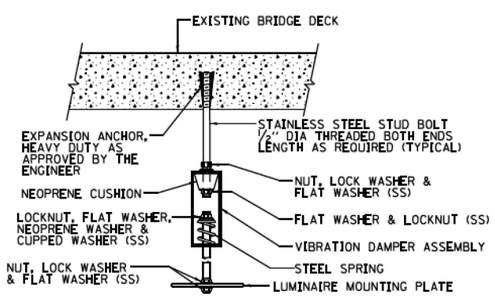


NOTE:
LUMINAIRE TILT SHALL BE AS UTILIZED IN THE APPROVED LUMINAIRE PHOTOMETRIC CALCULATIONS. THE TILT ANGLE MUST BE DOCUMENTED IN THE RECORD DRAWINGS.

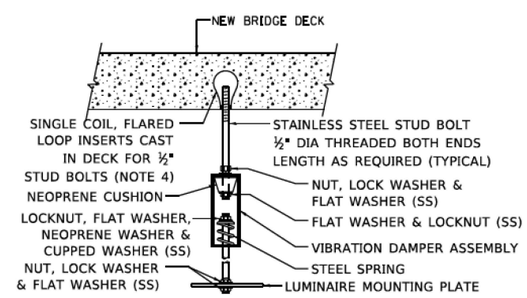


NOTES:

1. LIQUID TIGHT FLEXIBLE METAL CONDUIT, MAXIMUM LENGTH 6'-0", TYPICAL FOR EACH INSTANCE AS SHOWN. PROVIDE PVC COATED RIGID GALVANIZED STEEL CONDUIT AS REQUIRED NOT TO EXCEED 6'-0" OF FLEXIBLE LIQUID TIGHT METAL CONDUIT. LIQUID TIGHT FLEXIBLE METAL CONDUIT WILL BE INCLUDED IN THE COST OF THE CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED PAY ITEM EXCEPT THAT " DIA. CONDUIT AND " DIA. FLEXIBLE CONDUIT SHALL BE INCLUDED IN THE COST OF UNDERPASS LUMINAIRE INSTALLATION.
2. SEE UNDERPASS LIGHTING PLANS FOR INSTALLATION LOCATION OF UNDERPASS LIGHTING LUMINAIRES.
3. THE CONTRACTOR SHALL USE APPROVED SINGLE COIL FLARED LOOP INSERTS WHEN SUSPENDED MOUNTING AN UNDERPASS LUMINAIRE TO A NEW BRIDGE DECK. THE FLARED LOOP INSERTS MUST BE CAST INTO THE CONCRETE DECK. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND COORDINATING THE INSERT LOCATIONS FOR MOUNTING THE UNDERPASS LIGHTING SYSTEM AS SHOWN ON THE PLANS WITH THE BRIDGE DECK CONTRACTOR, SEE DETAIL.
4. THE UNDERPASS LUMINAIRE HANGER ASSEMBLY COMPLETE WITH HEAVY DUTY ANCHORS/INSERTS AND ALL APPLICABLE HARDWARE SHALL BE INCLUDED IN THE COST OF THE UNDERPASS LUMINAIRE PAY ITEM.
5. SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS SHALL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
6. ALL UNDERPASS LUMINAIRES MUST BE CENTERED IN THE BEAM SPACE AS INDICATED ON THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGR. LUMINAIRE SETBACK SHALL BE AS INDICATED IN PLANS FOR EACH SPECIFIC UNDERPASS
7. THE CONCRETE ENCASED CONDUIT TRANSITION SHALL BE INCLUDED IN THE COST OF THE GALVANIZED RIGID STEEL CONDUIT PAY ITEMS.
8. ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID STEEL CONDUIT (PVCC RGC) TYPICAL.
9. IN NO INSTANCE SHALL ANY UNDERPASS LUMINAIRE OR ANY OTHER ELECTRICAL EQUIPMENT BE INSTALLED BELOW THE ELEVATION OF THE BOTTOM OF THE BRIDGE BEAM WHEN OVER ANY PAVEMENT (ROADWAY OR SHOULDER).

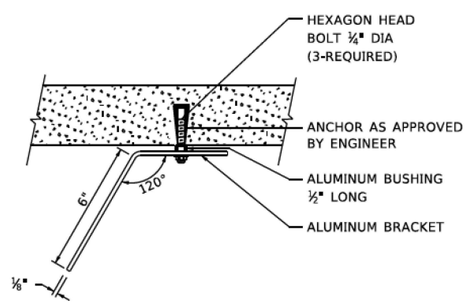


EXISTING BRIDGE DECK INSTALLATION

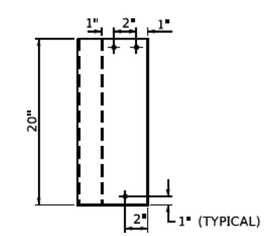


NEW BRIDGE DECK INSTALLATION

TYPICAL LUMINAIRE HANGER ASSEMBLY DETAILS



TOP VIEW



ELEVATION

LUMINAIRE NUMBERING DECAL BRACKET

NOT TO SCALE

PVC COATED CONDUIT BEAM CLAMP
NOT TO SCALE

PVC COATED CONDUIT CLAMP
NOT TO SCALE

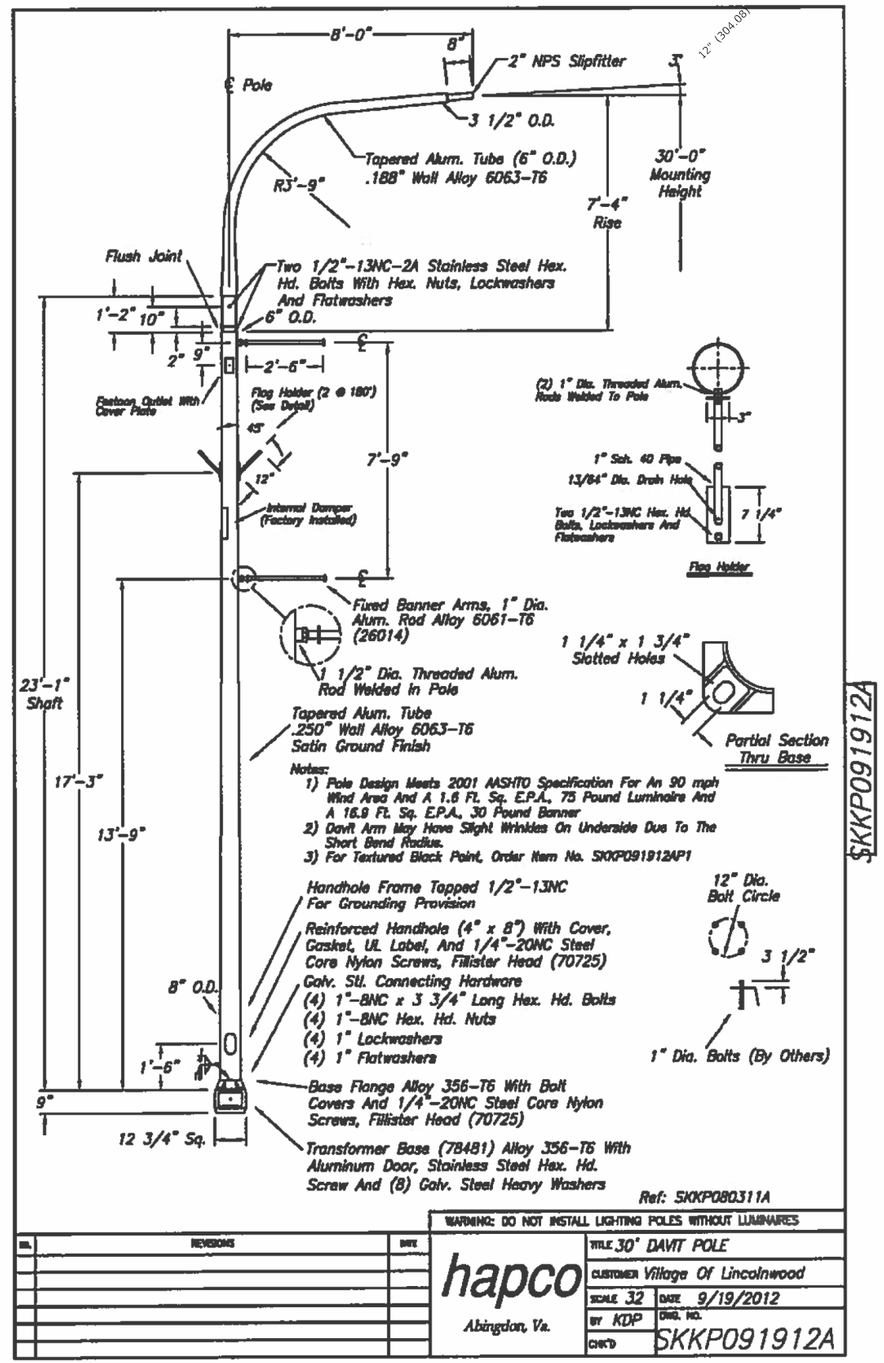
LT-18

USER NAME = gagllanobt	DESIGNED -	REVISED - 12-12-05	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 1/15/2020	DATE -	REVISED -	

SUSPENDED MOUNT LED UNDERPASS (IDOT) LUMINAIRE INSTALLATION DETAILS

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

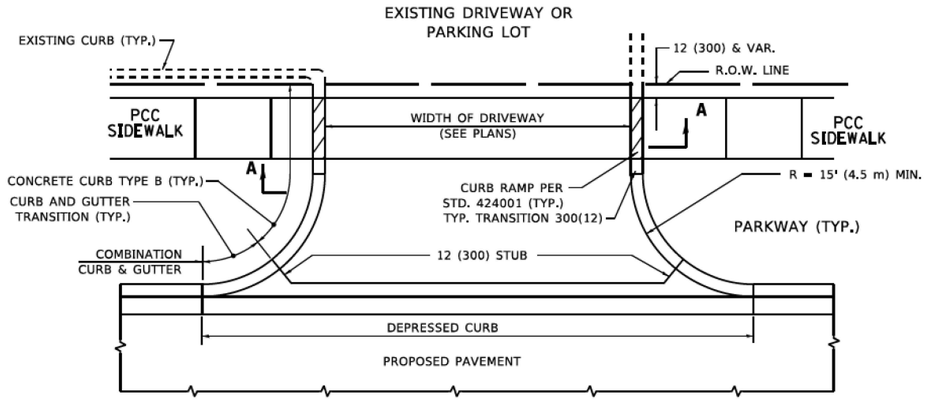
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	222
	BE-901	CONTRACT NO. 62R63		
	ILLINOIS FED. AID PROJECT			



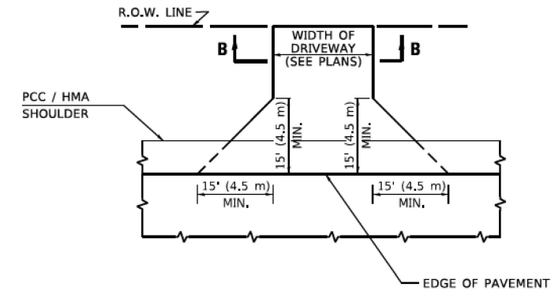
(VILLAGE OF LINCOLNWOOD) **LT-19**

MODEL: Default
FILE NAME: pw:\\bw-pw.bentley.com:bw-pw-01\Documents\Projects\ILDOT\02095B\CAD\Sheets\62R63_sht-light 17.dgn

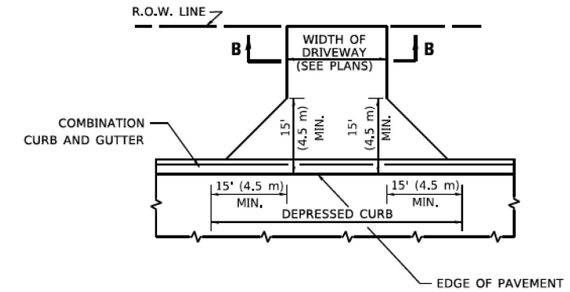
AMES Engineering, Inc. CONSULTING ENGINEERS 6330 Belmont Road, Suite 4B Downers Grove, IL 60516	USER NAME = Srahman	DESIGNED - BL	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**LIGHTING UNIT DETAILS**	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - MD / SR	REVISED -			1349	FAI 94 22 STRUCTURE 1	COOK	268 / 222A
	PLOT SCALE = 40.000 ' / in.	CHECKED - MH / KV	REVISED -					CONTRACT NO. 62R63	
	PLOT DATE = 8/7/2025	DATE - 9-23-2025	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT	



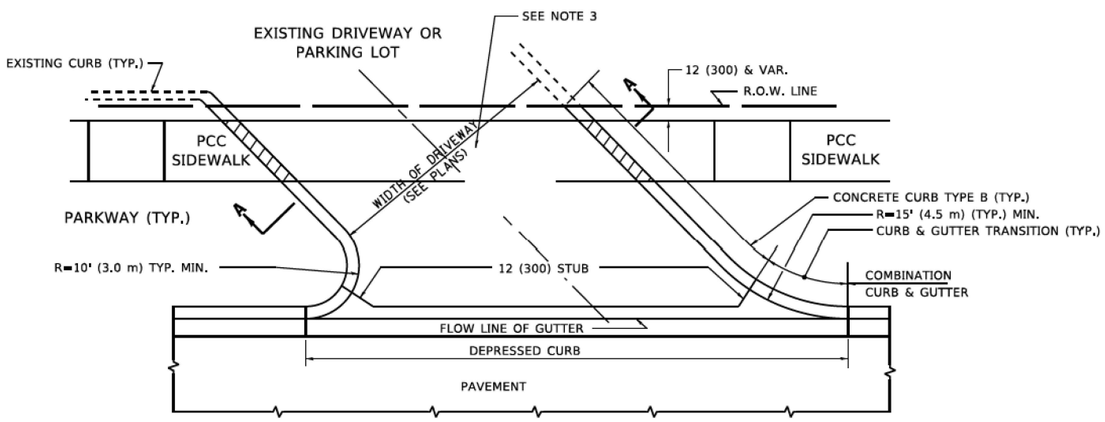
WITH CONCRETE CURB, TYPE B



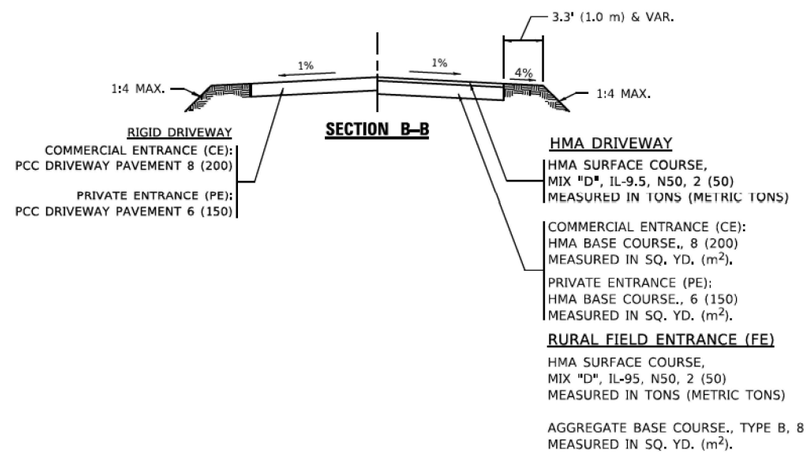
ADJACENT TO PCC /HMA SHOULDER

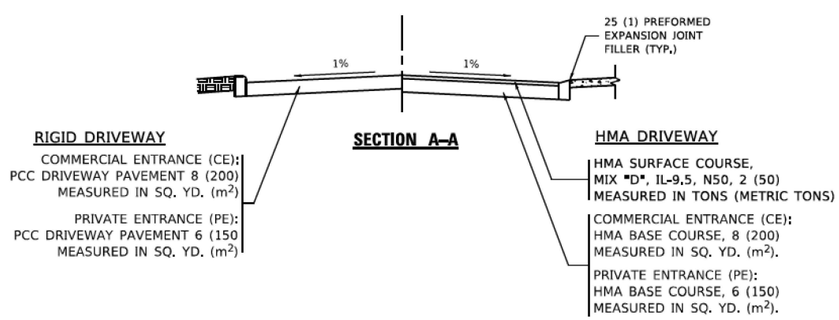


ADJACENT TO CURB AND GUTTER



WITH CONCRETE CURB, TYPE B





GENERAL NOTES

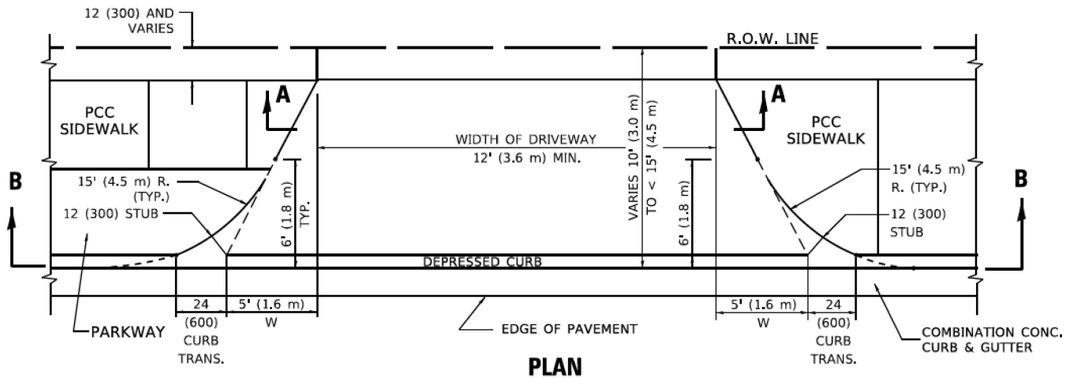
1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS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

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

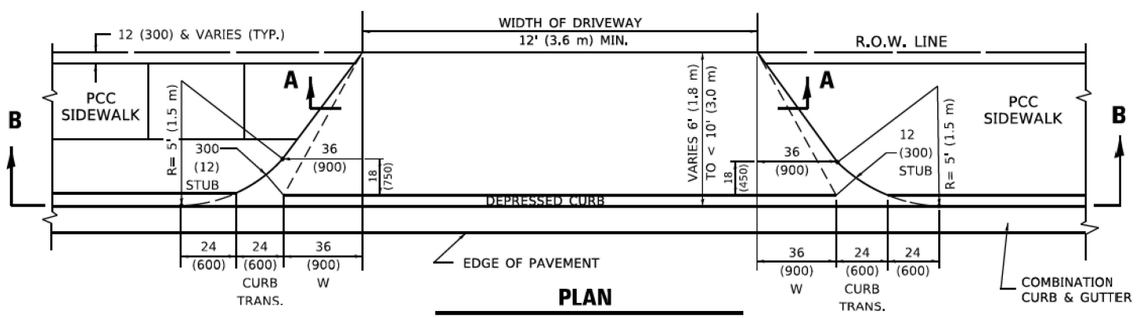
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥15'(4.5m)	
	DRAWN -	REVISED - R. BORO 09-06-11			
PLOT SCALE = 100,0000 ' / In.	CHECKED -	REVISED - K. SMITH 08-28-19			
PLOT DATE = 11/18/2022	DATE - 11-04-95	REVISED - K. SMITH 11-18-22		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

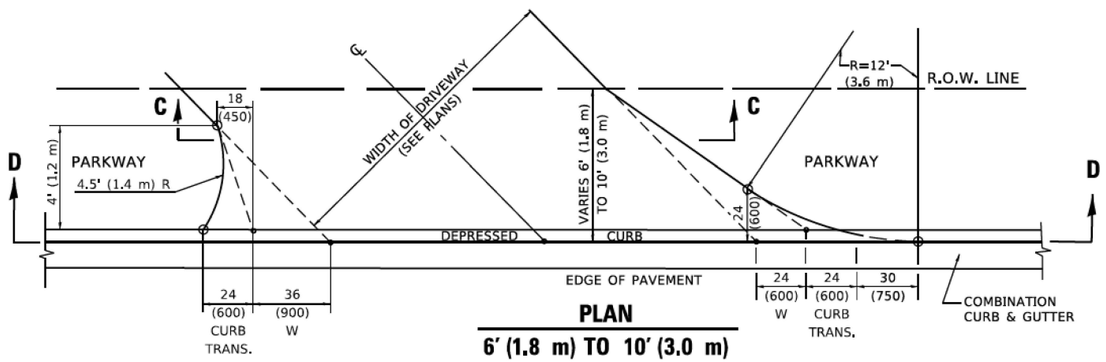
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	223
BD400-01 (BD-01)		CONTRACT NO. 62R63		
		ILLINOIS FED. AID PROJECT		



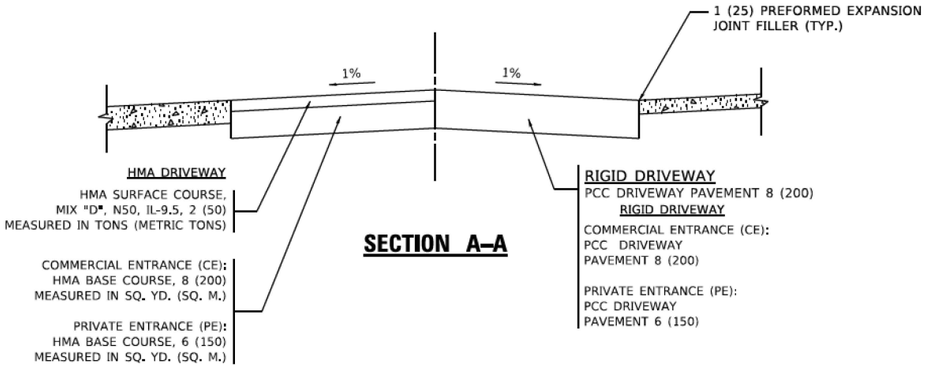
PLAN
10' (3.0 m) TO < 15' (4.5 m)



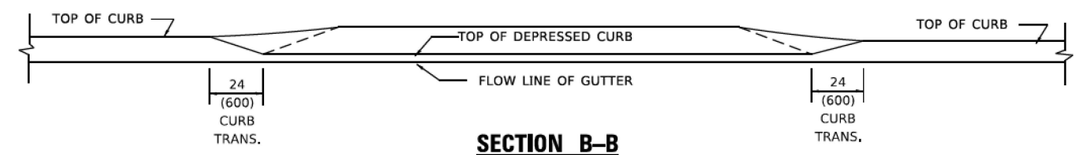
PLAN
6' (1.8 m) TO < 10' (3.0 m)



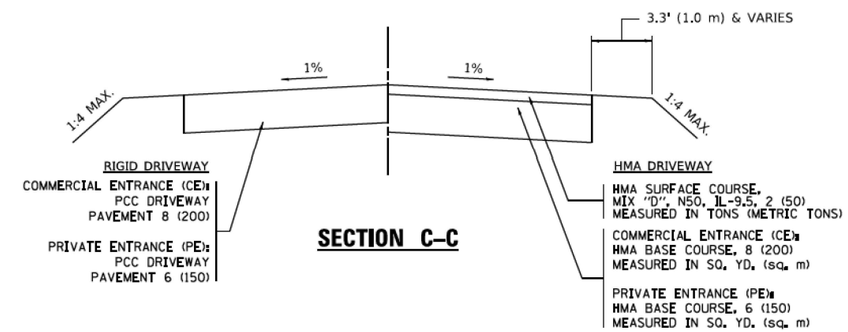
PLAN
6' (1.8 m) TO 10' (3.0 m)



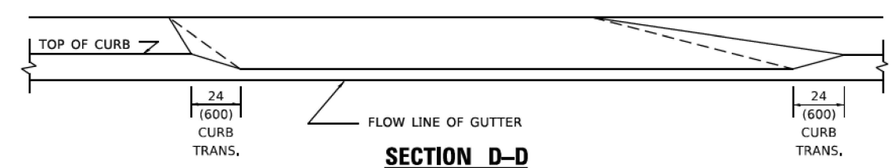
SECTION A–A



SECTION B–B



SECTION C–C



SECTION D–D

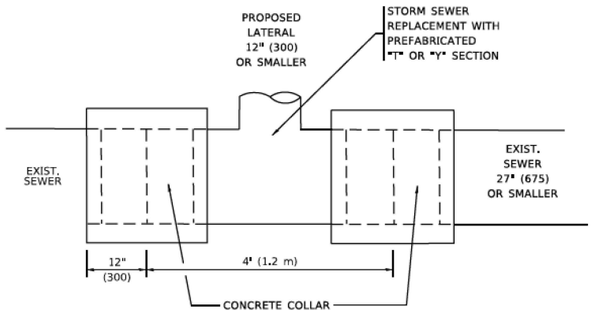
GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO 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.
2. 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.
3. "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.

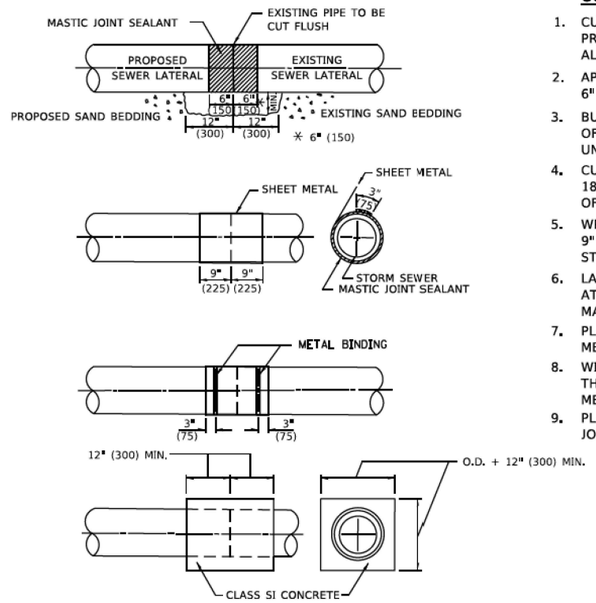
USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)	
	DRAWN -	REVISED - R. BORO 09-06-11			
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. SMITH 08-27-19			
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.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAI 94 22 STRUCTURE 1	COOK	268	224
	BD400-02 (BD-02)	CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

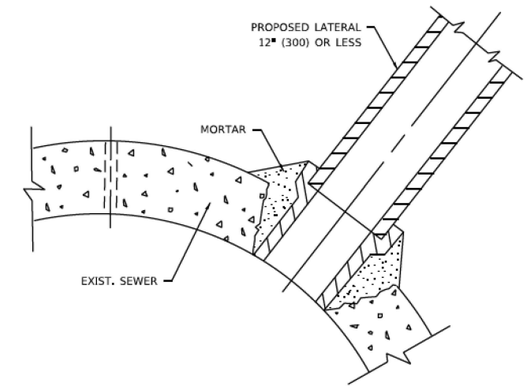


DETAIL "B"

CLASS SI CONCRETE COLLAR

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 CIRCUMFERANCE 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 OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

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.

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	
	DRAWN -	REVISED - R. SHAH 10-25-94			
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. SHAH 06-12-96			
PLOT DATE = 11/18/2022	DATE - 07-25-90	REVISED - K. SMITH 11-18-22		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

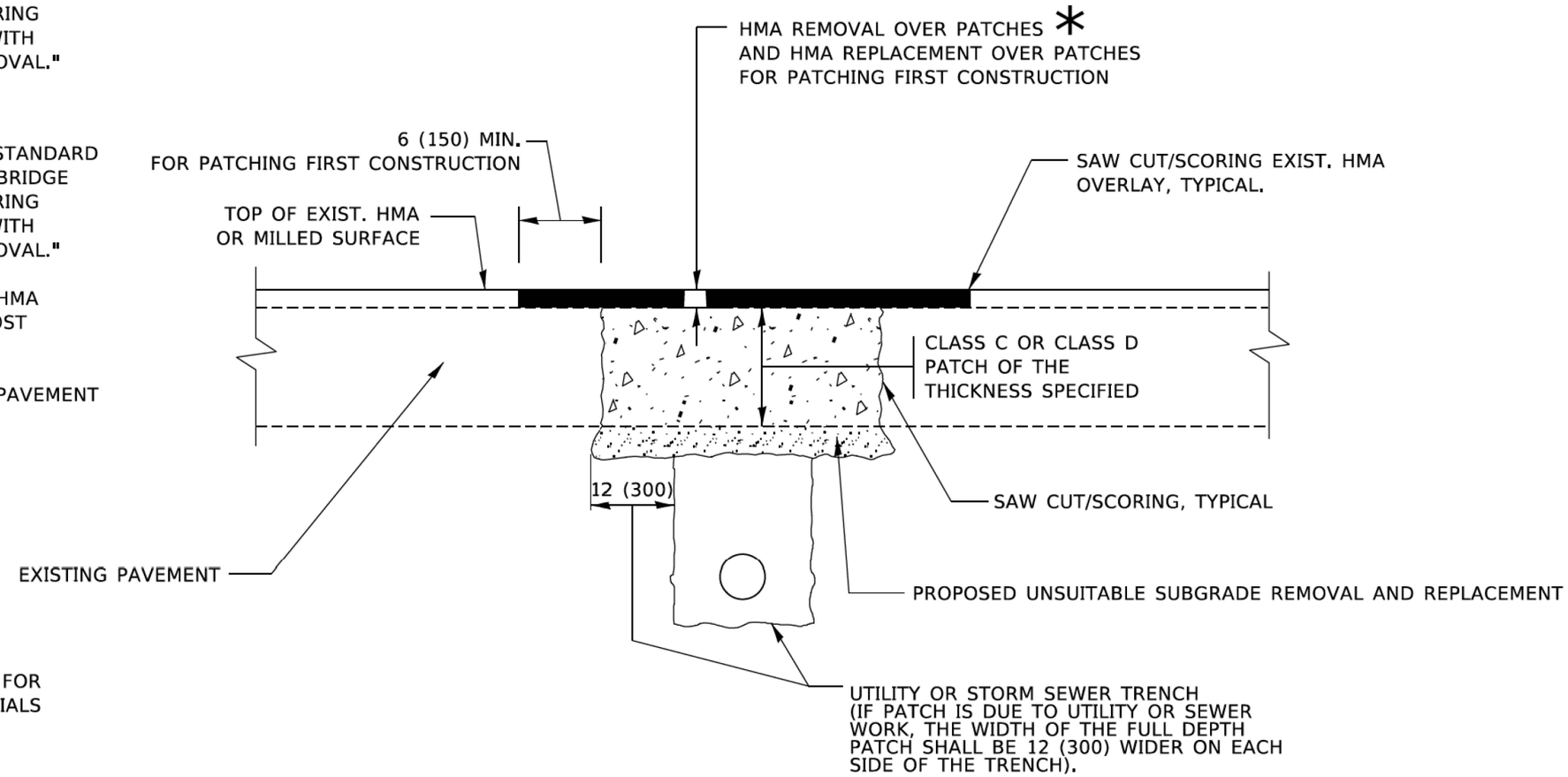
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	225
BD500-01 (BD-07)		CONTRACT NO. 62R63		
		ILLINOIS FED. AID PROJECT		

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

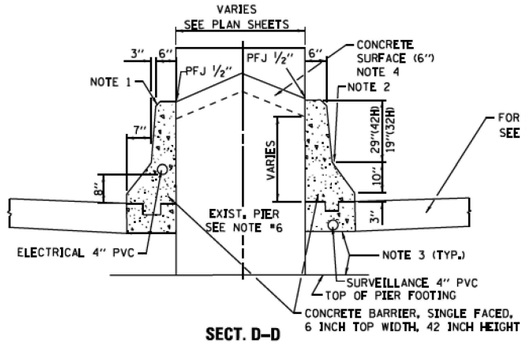
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - R. BORO 09-04-07						FAI 94 22 STRUCTURE 1	COOK	268	226
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08						BD400-04 (BD-22)	CONTRACT NO. 62R63		
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.		ILLINOIS	FED. AID PROJECT		

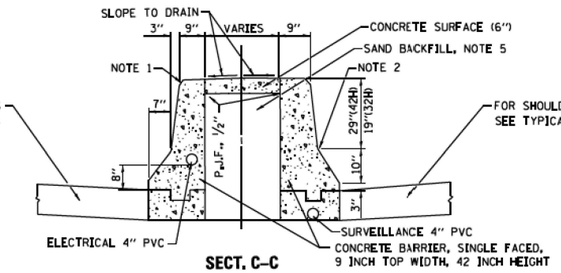
TANGENT CONDITION



FOR SHOULDER DETAILS
SEE TYPICAL SECTIONS

SECT. D–D

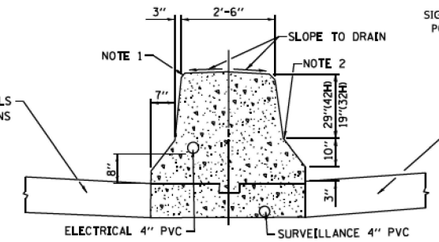
CONCRETE BARRIER



FOR SHOULDER DETAILS
SEE TYPICAL SECTIONS

SECT. C–C

CONCRETE BARRIER

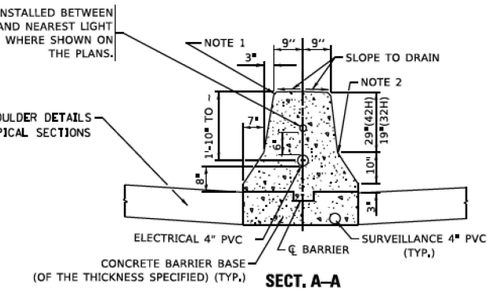


FOR SHOULDER DETAILS
SEE TYPICAL SECTIONS

SECT. B–B

CONCRETE BARRIER

CONCRETE BARRIER, DOUBLE FACED
18 INCH VARIABLE TOP WIDTH
42 INCH HEIGHT



FOR SHOULDER DETAILS
SEE TYPICAL SECTIONS

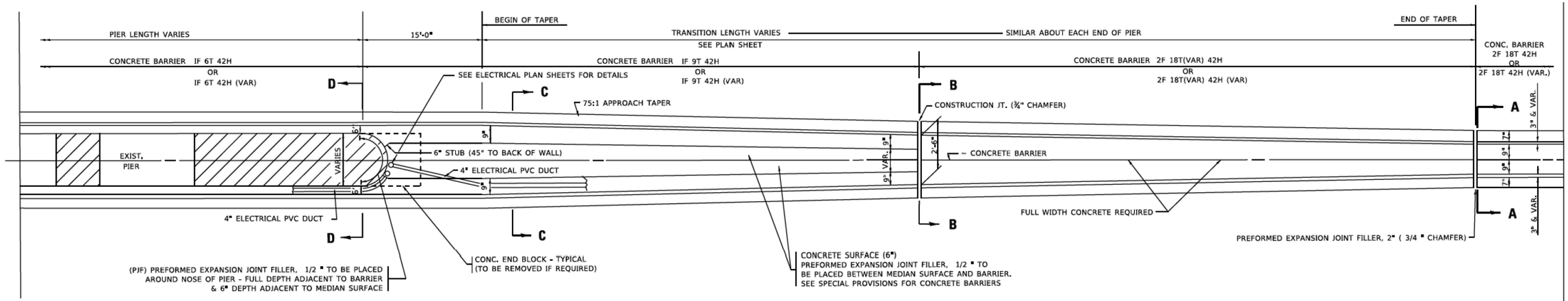
SECT. A–A

CONCRETE BARRIER

CONCRETE BARRIER, DOUBLE FACE,
18 INCH TOP WIDTH,
42 INCH HEIGHT

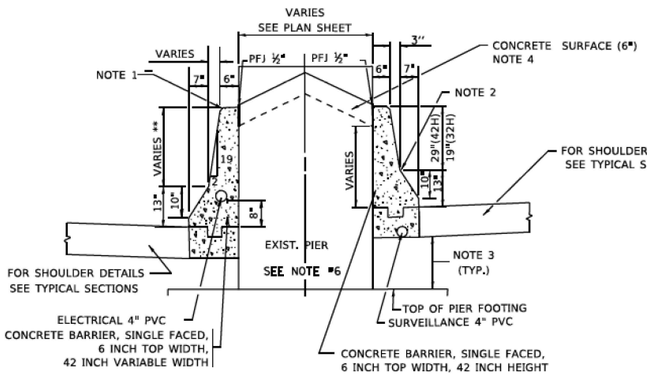
(SUPER ELEVATION CONDITION)

PLAN VIEW OF
CONCRETE BARRIER TRANSITION



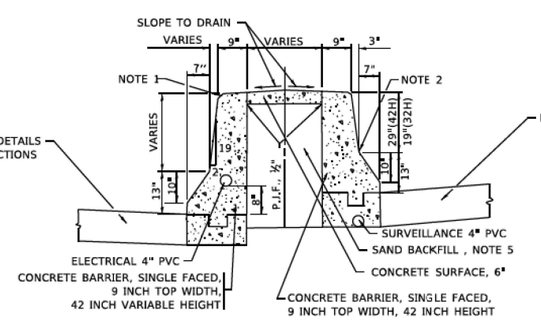
SECT. D–D

CONCRETE BARRIER



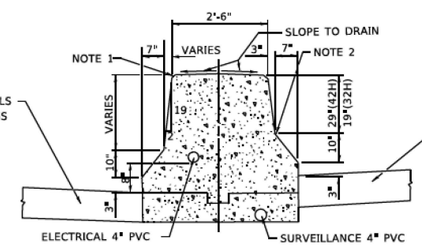
SECT.C–C

CONCRETE BARRIER



SECT. B–B

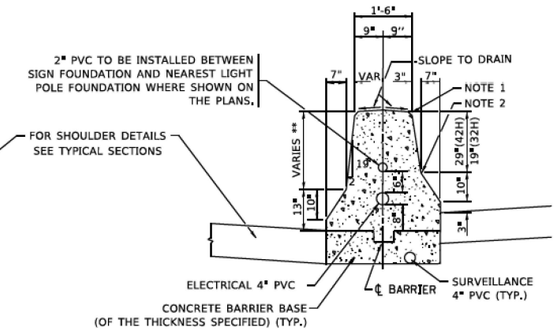
CONCRETE BARRIER



CONCRETE BARRIER, DOUBLE FACE,
18 INCH VARIABLE TOP WIDTH,
42 INCH VARIABLE HEIGHT

SECT. A–A

CONCRETE BARRIER



CONCRETE BARRIER, DOUBLE FACE,
18 INCH TOP WIDTH,
42 INCH VARIABLE HEIGHT

GENERAL NOTES

1. FOR UNDERDRAIN DETAILS SEE TYPICAL SECTIONS.
2. FOR KEYWAY (F) DIMENSIONS, SEE TYPICAL SECTIONS.
3. IF USING JOINTED CONCRETE BARRIER BASE, CONTRACTORS WILL HAVE THE OPTION OF USING A KEYWAY OR #____TIE BARS AT____O.C.
4. MAINTAIN SLOPE OF FACE AS SHOWN ON DETAIL. HEIGHT AND WIDTH OF BARRIER INCREASE WHERE A DIFFERENCE IN MEDIAN EDGE-OF-PAVEMENT GRADE ELEVATION EXISTS.

NOTES:

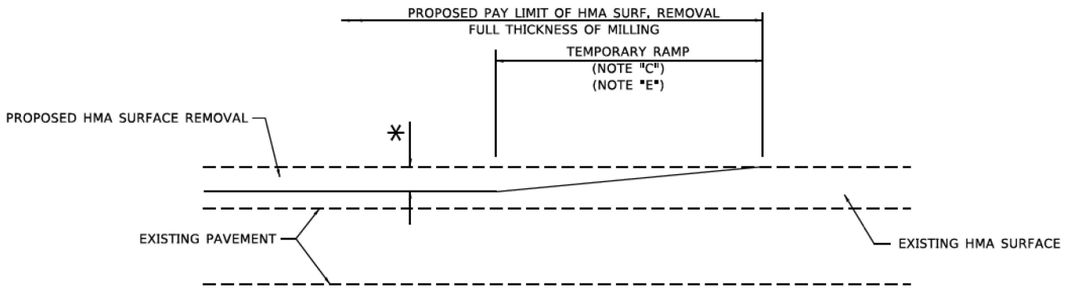
1. 3/4 " CHAMFER OR 1" RADIUS (OPTIONAL)
2. 10" RADIUS (OPTIONAL)
3. EXTEND BOTTOM OF BARRIER TO FOOTING ONLY WHEN DEPTH IS 6" OR LESS, OTHERWISE MAINTAIN SAME DEPTH AS BOTTOM OF SHOULDER
4. PIER FILLER MATERIAL TO BE CONCRETE IF MINIMUM 6" THICKNESS WILL BE MAINTAINED. IF 6" THICKNESS CANNOT BE MAINTAINED USE ASPHALT FILLER MATERIAL AS DIRECTED BY THE ENGINEER.
5. SAND BACKFILL AND CONCRETE SURFACE WILL BE REQUIRED. FILLING WITH CONCRETE WILL NOT BE ALLOWED.
6. IF PIER IS NEW CONSTRUCTION BARRIER WALL MAY BE MONOLITHIC

BASIS OF PAYMENT

1. COST OF SAND BACKFILL, CONCRETE SURFACE (6"), AND PIER FILLER MATERIAL WILL BE PAID FOR SEPERATELY.
2. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE UNIT COST FOR THE CONCRETE BARRIER OF THE TYPE INVOLVED.
3. CONCRETE BARRIER BASE PAY ITEM IS TO BE INCLUDED IF THE BARRIER IS CONSTRUCTED MONOLITHIC OR JOINTED TO BASE. #____TIE BARS AT____ O.C.
4. REMOVAL OF CONCRETE BLOCK SHALL BE INCLUDED IN THE UNIT COST OF CONCRETE BARRIER.

USER NAME = Lawrence.DeManche	DESIGNED - FORD	REVISED - FORD 12-06-88	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE BARRIER TRANSITION & GENERAL DETAILS, CONCRETE BARRIER BASE	
	DRAWN -	REVISED - K. SMITH 11-18-22			
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			
PLOT DATE = 11/18/2022	DATE - 09-09-88	REVISED -		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

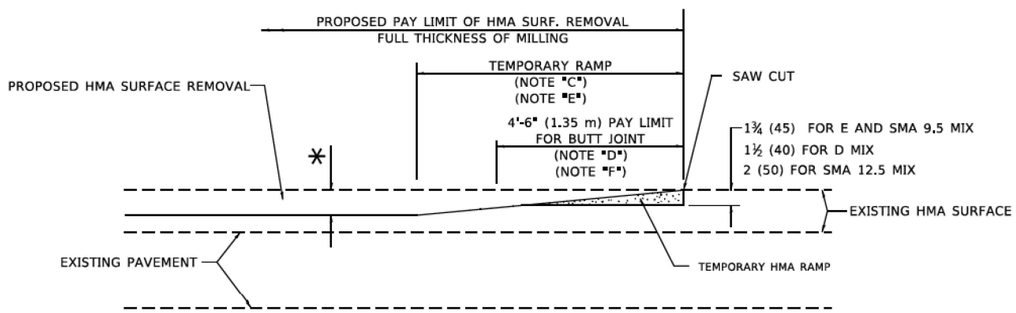
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	227
	BD-27	CONTRACT NO. 62R63		
		ILLINOIS FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

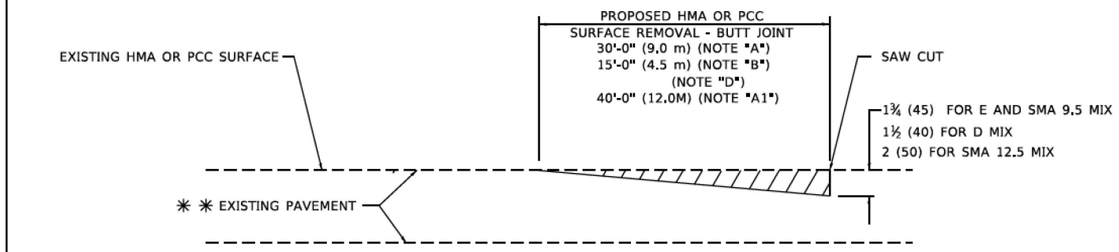


HMA CONSTRUCTED TEMPORARY RAMP

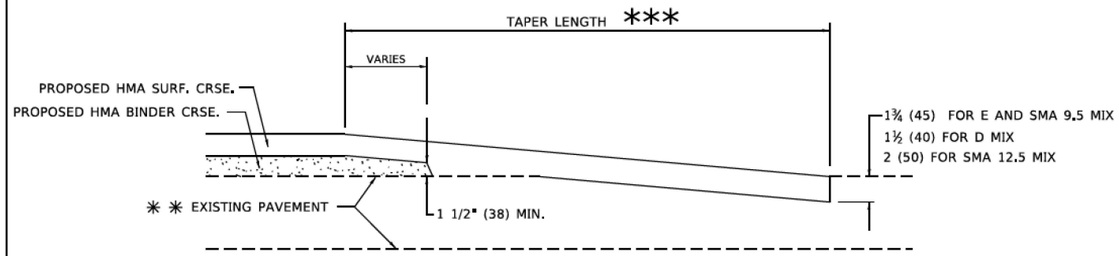
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



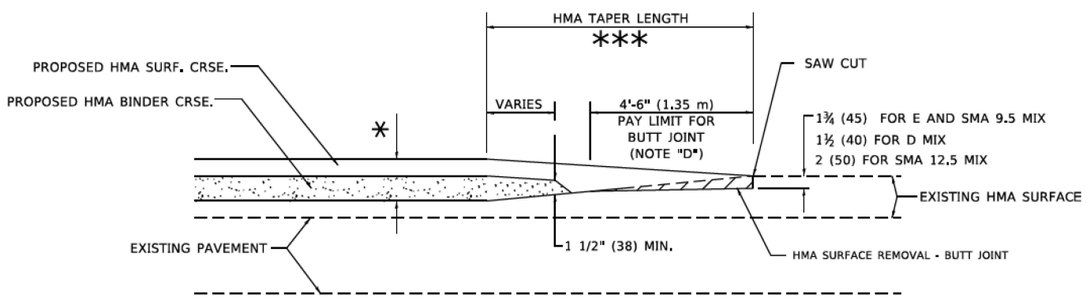
BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

✳✳ PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

B. MINOR SIDE ROADS.

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

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

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

✳ SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

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

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

BASIS OF PAYMENT

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

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

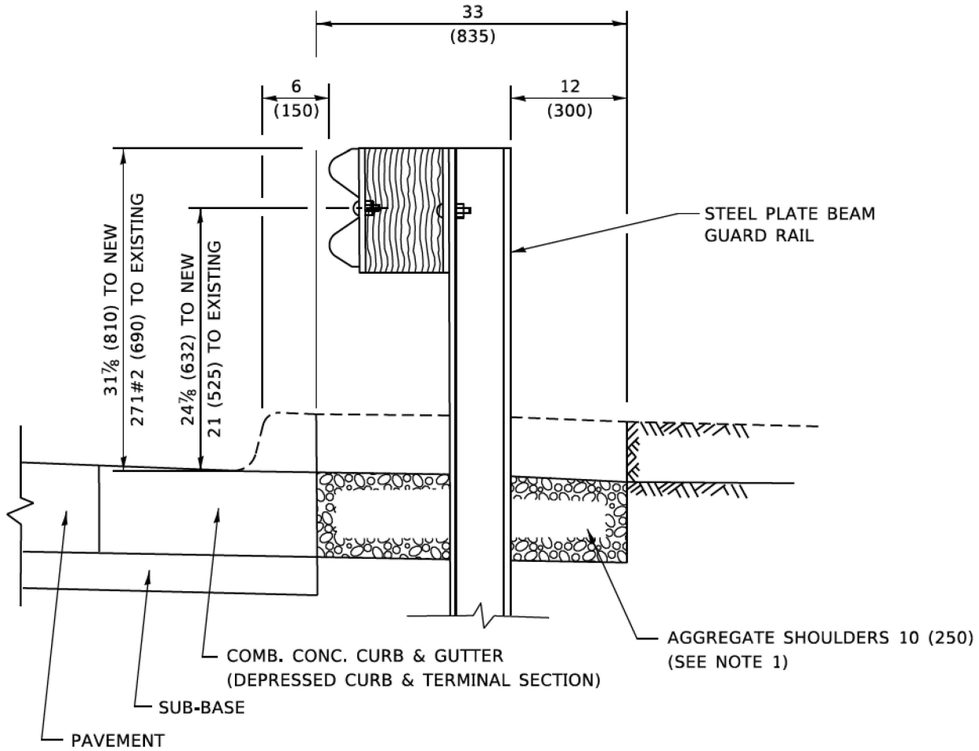
USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	
	DRAWN -	REVISED - M. GOMEZ 04-06-01	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07	
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAI 94 22 STRUCTURE 1	COOK	268	228
	BD400-05 BD-32	CONTRACT NO. 62R63		
		ILLINOIS FED. AID PROJECT		

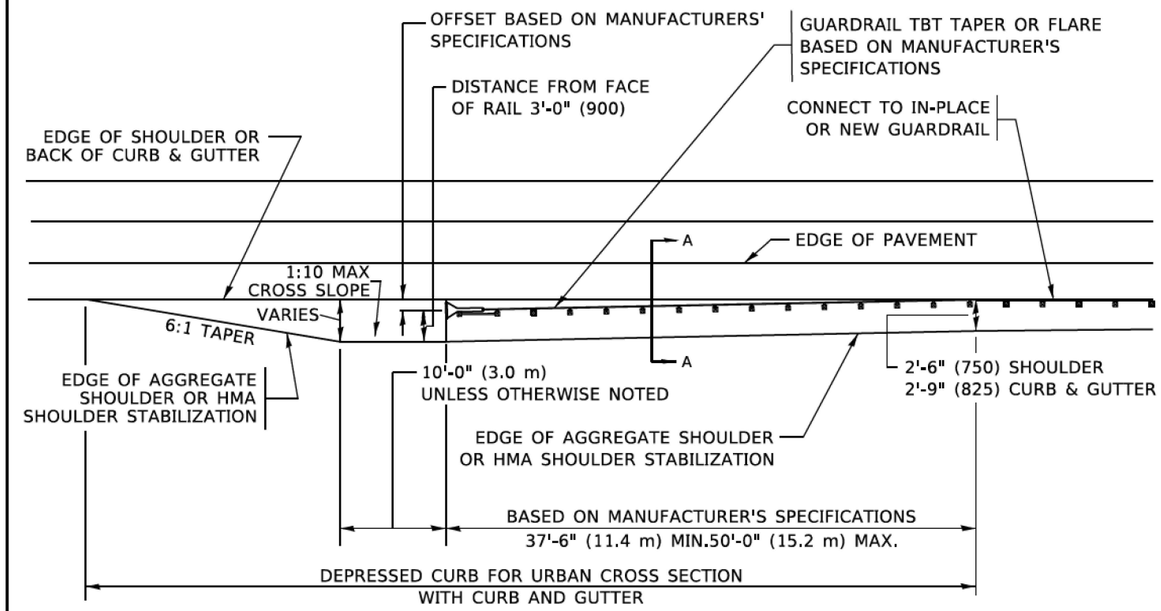


SECTION A–A

NOTES:

1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE EXISTING GUARDRAIL HEIGHT SHALL TRANSISTION TO MATCH THE NEW TERMINAL END SECTION AND SHALL BE PAID FOR AS VERTICAL ADJUSTMENT OF EXISTING GUADRAIL.

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER [FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]



DEPRESSED CURB AND GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL.

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

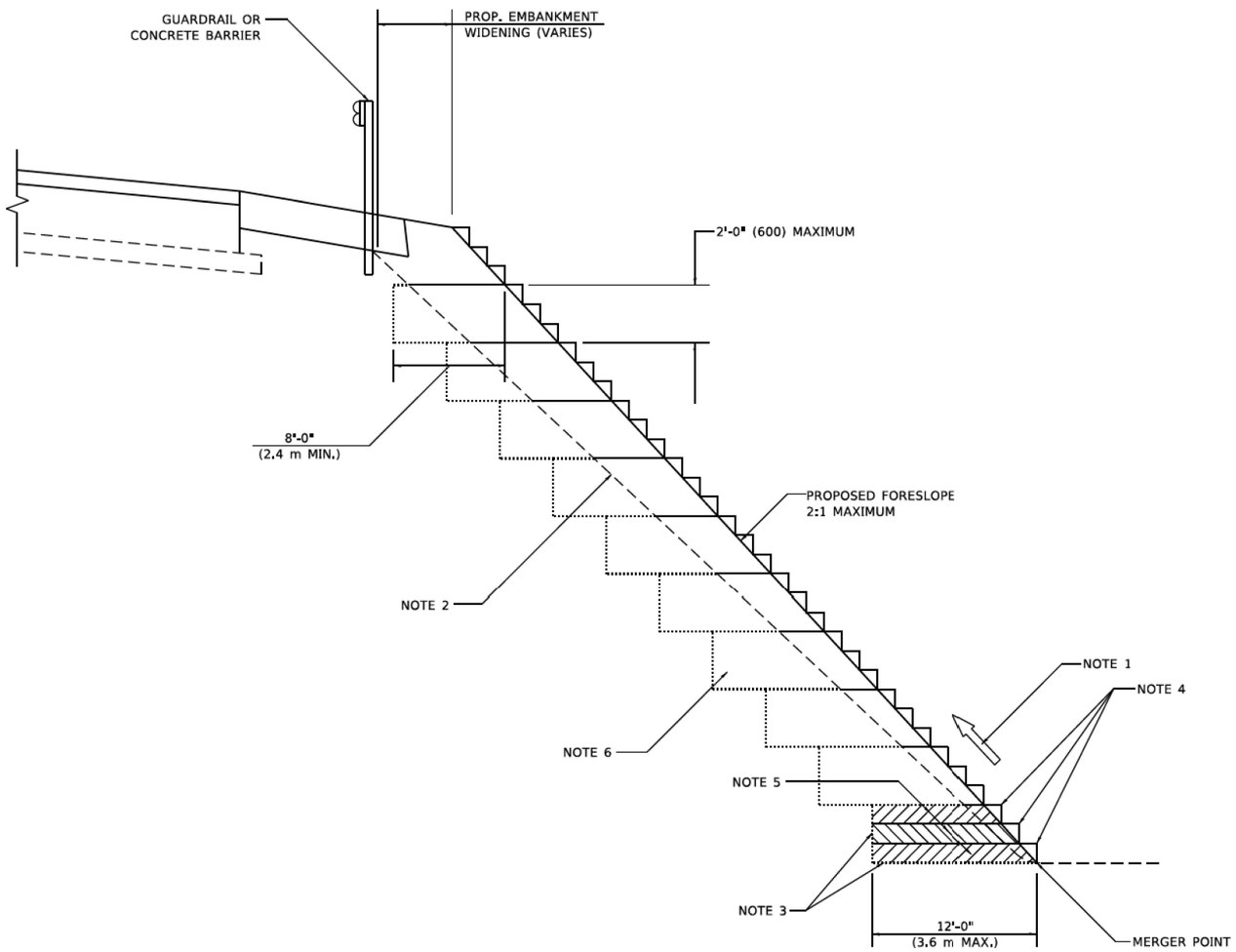
COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL

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

USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - R. BORO 09-14-2009	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL.	
	DRAWN -	REVISED - R. BORO 08-06-2012			
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 05-08-2015			
PLOT DATE = 11/18/2022	DATE - 09-22-90	REVISED - K. SMITH 11-18-22		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	229
	BD600-10 (BD-34)	CONTRACT NO. 62R63		
	ILLINOIS FED. AID PROJECT			



TYPICAL BENCHING DETAIL FOR EMBANKMENT

GENERAL NOTES

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.

BASIS OF PAYMENT

1. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

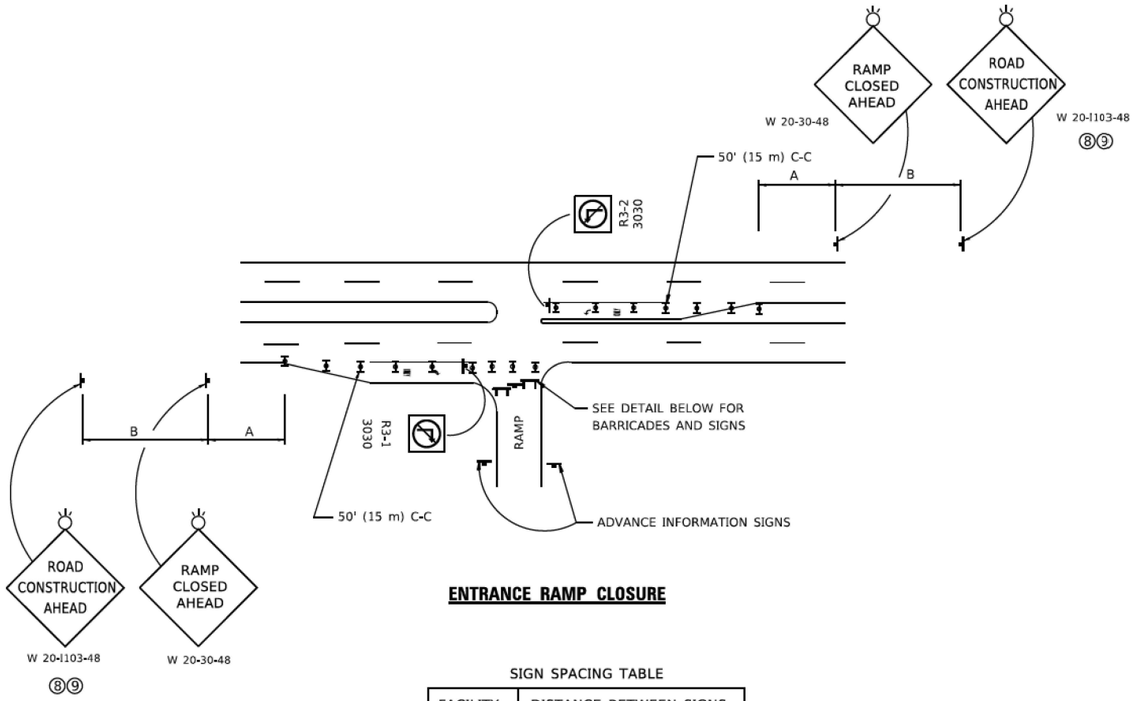
USER NAME = Lawrence.DeManche	DESIGNED -	REVISED - K. SMITH 11-18-22	
	DRAWN - CADD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - S.E.B.	REVISED -	
PLOT DATE = 11/18/2022	DATE - 06-16-04	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL
FOR EMBANKMENT WIDENING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	230
	BD-51	CONTRACT NO. 62R63		
		ILLINOIS FED. AID PROJECT		

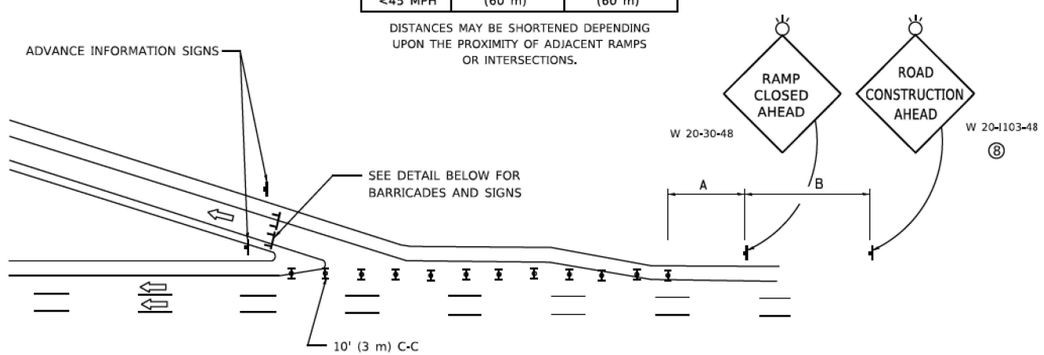


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

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.

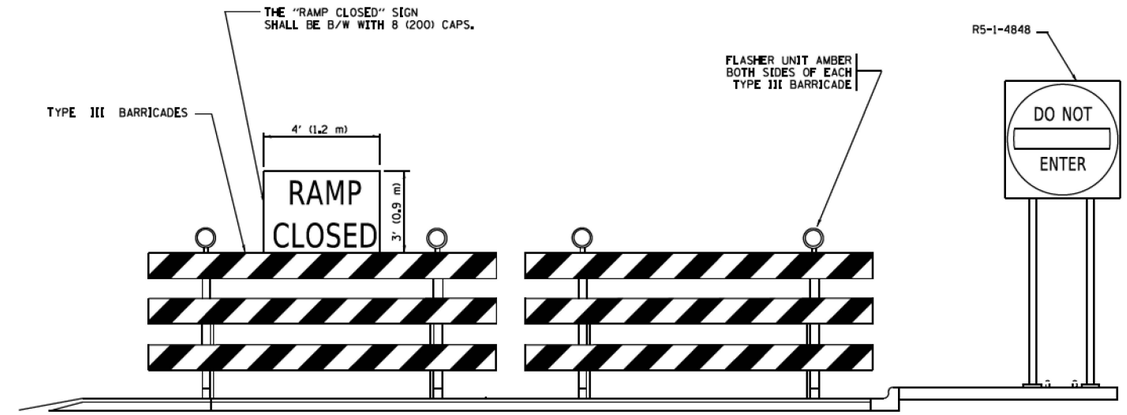


EXIT RAMP CLOSURE

SYMBOLS

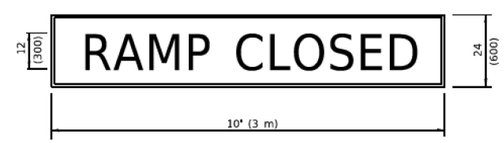
TYPE II BARRICADE OR DRUM

TYPE III BARRICADE WITH 2 FLASHING LIGHTS



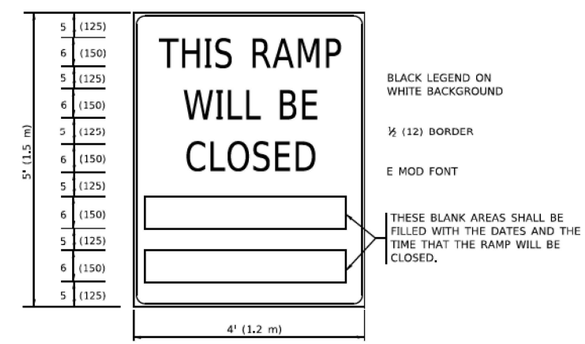
DETAIL FOR REQUIRED BARRICADES & SIGNS

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.

RAMP CLOSURE ADVANCE INFORMATION SIGN



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:

1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
2. VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEEDED BY A W20-7 FLAGGER WARNING SIGN.
4. 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.
5. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
7. 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
8. 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.
9. 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.

USER NAME = Lawrence.DeManche	DESIGNED - D.W.S.	REVISED - S.P.B._12-09	
	DRAWN -	REVISED - M.D._06-13	
PLOT SCALE = 100.0000 ' / In.	CHECKED -	REVISED - M.D._01-18	
PLOT DATE = 5/3/2024	DATE - 02-83	REVISED - D.S._05-24	

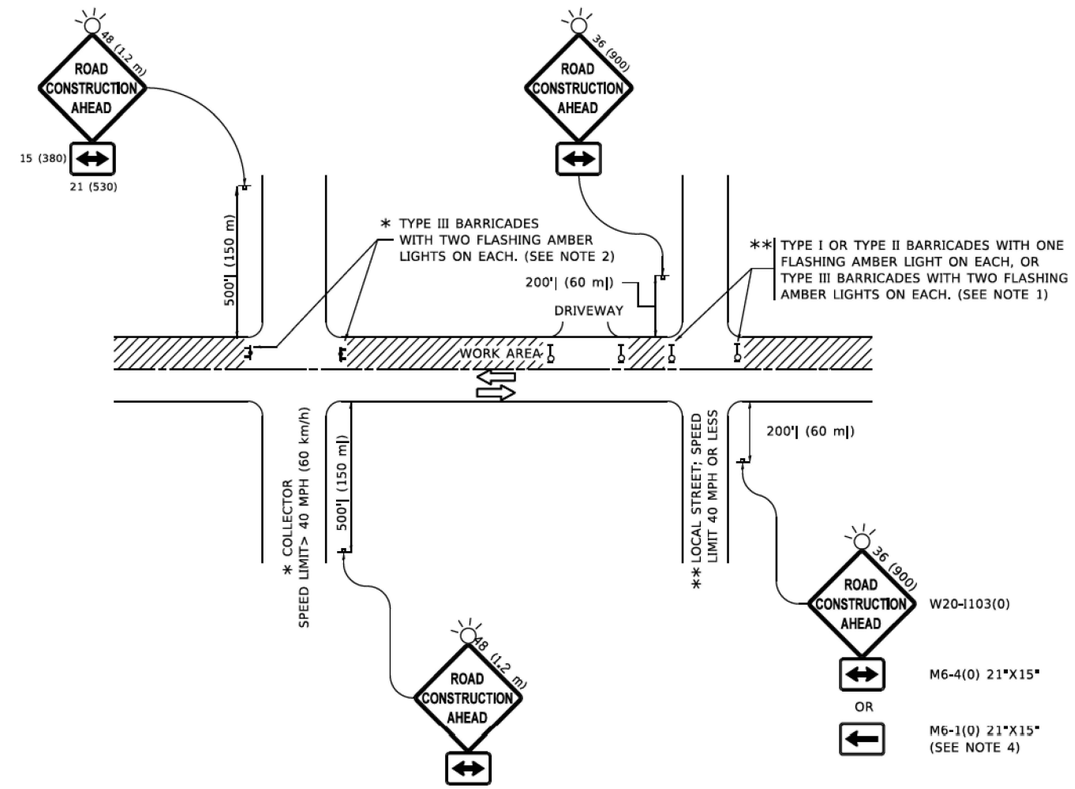
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE_AND_EXIT_RAMP CLOSURE_DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	231
	TC-08	CONTRACT NO. 62R63		

ILLINOIS FED. AID PROJECT



NOTES:

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

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

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

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

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

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

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

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

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

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

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

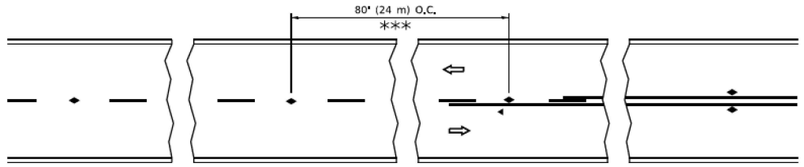
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = Lawrence.DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	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	

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

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

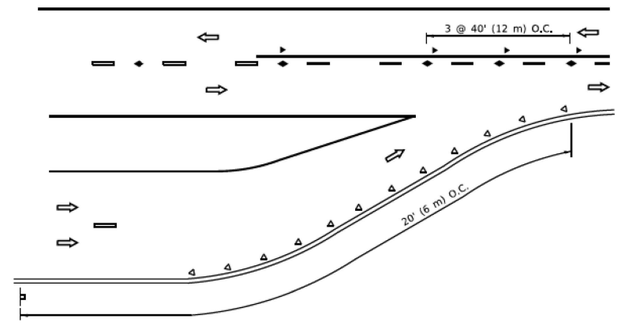
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAI 94 22 STRUCTURE 1	COOK	268	232
	TC-10	CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



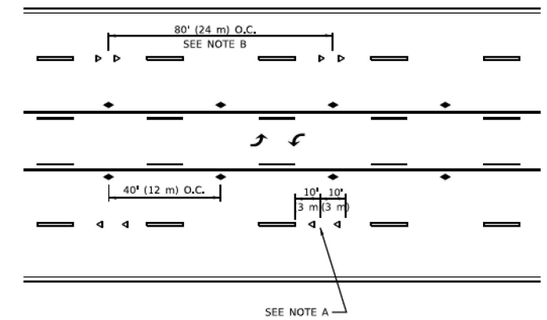
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

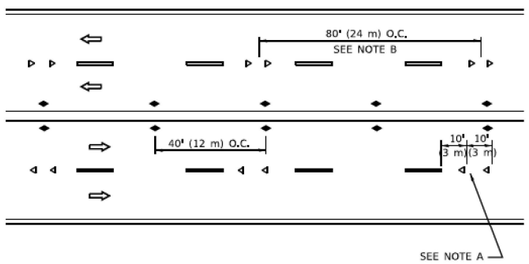
SEE FIGURE 3B-14 MUTCD



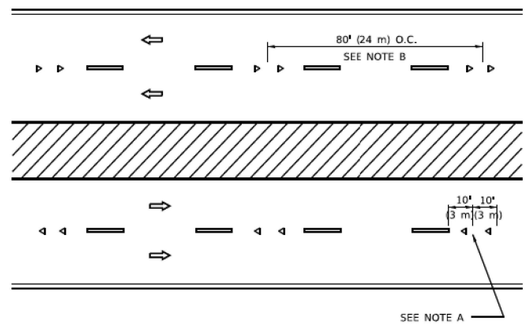
LANE REDUCTION TRANSITION



TWO–WAY LEFT TURN



MULTI–LANE/UNDIVIDED



MULTI–LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

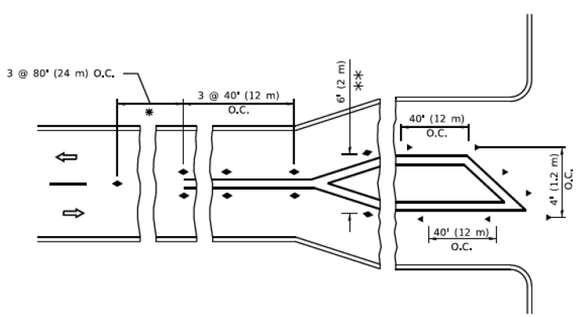
LANE MARKER NOTES

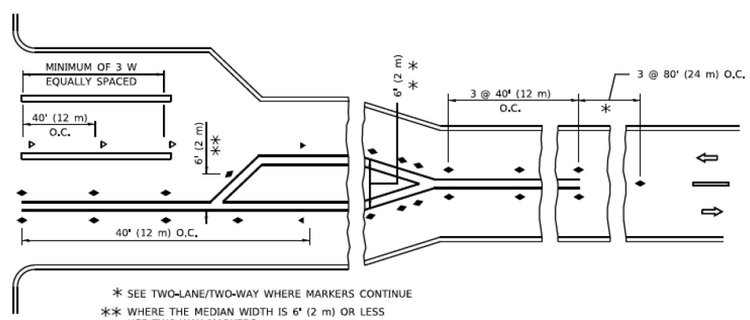
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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

DESIGN NOTES

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





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

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

TURN LANES

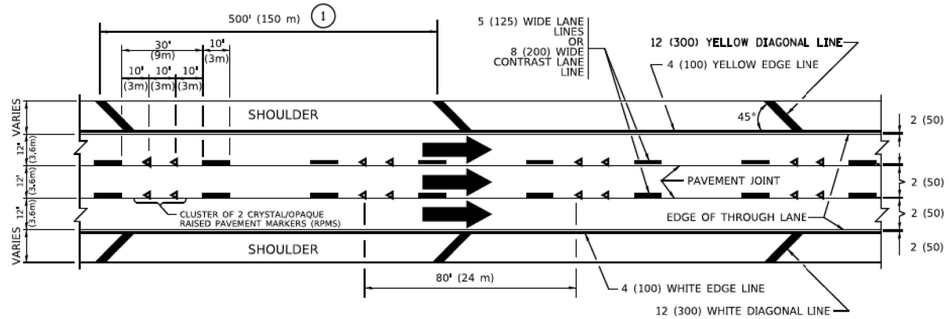
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09	
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13	

TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)

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

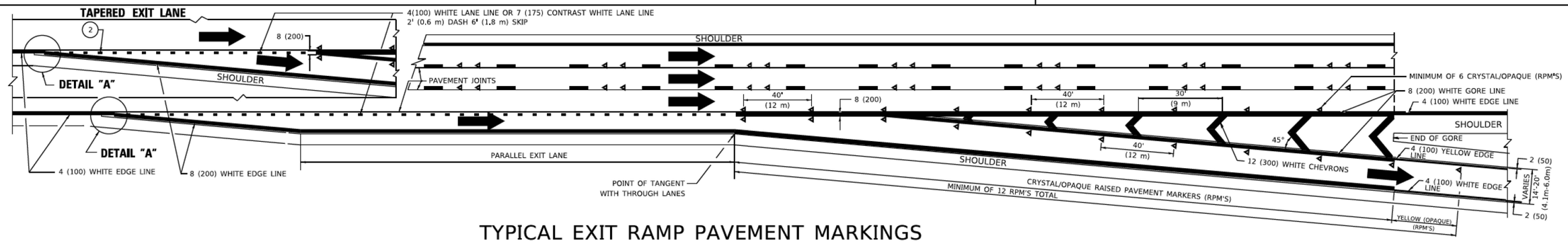
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAI 94 22 STRUCTURE 1	COOK	268	233
	TC-11	CONTRACT NO. 62R63		
		ILLINOIS FED. AID PROJECT		



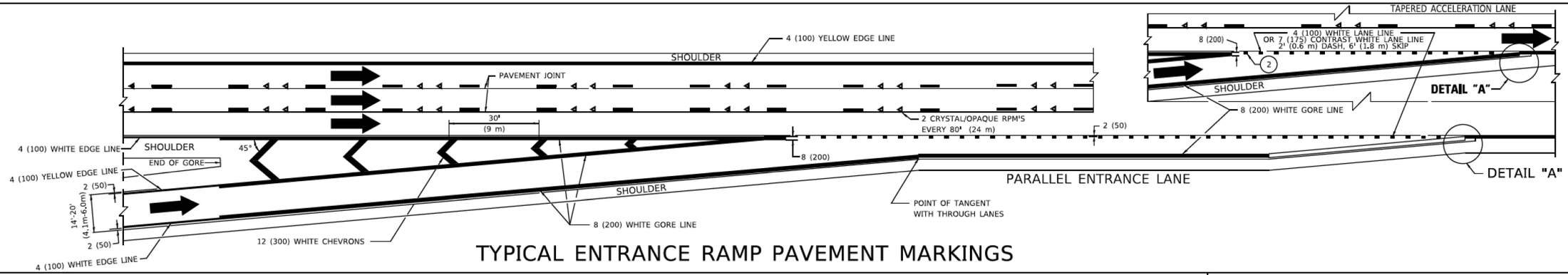
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

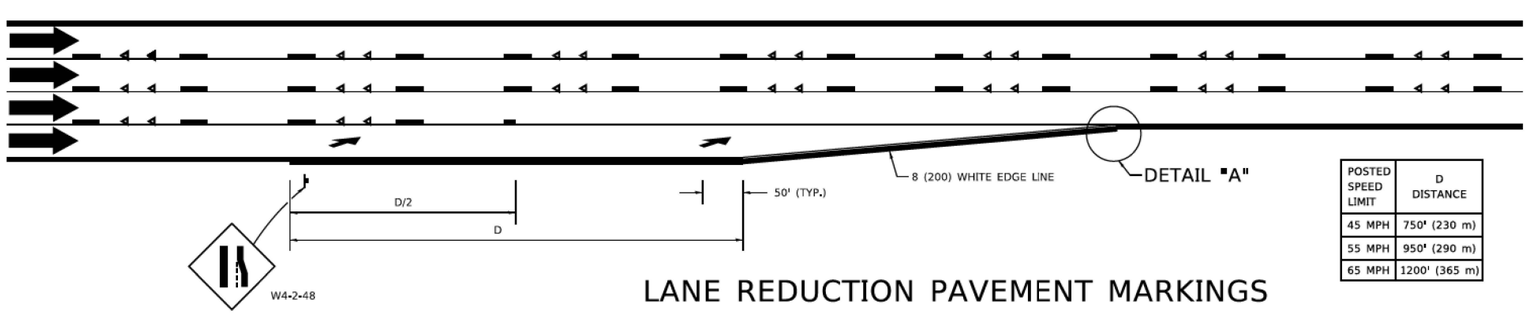
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE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



TYPICAL EXIT RAMP PAVEMENT MARKINGS

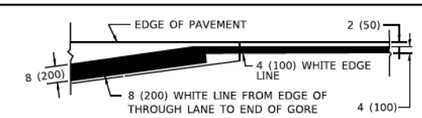


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



DETAIL "A"

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.

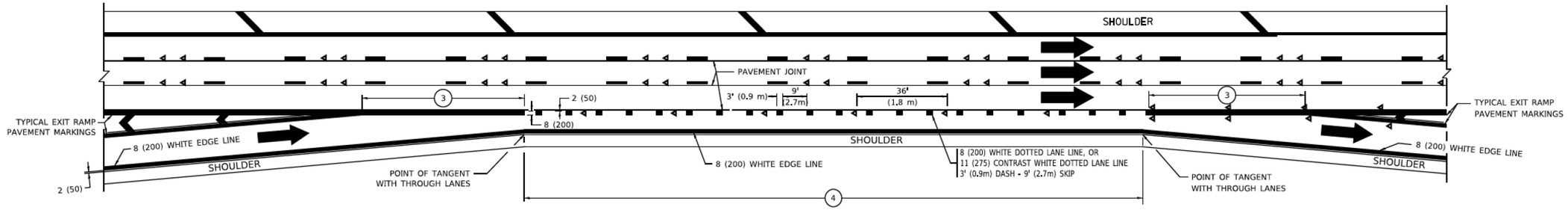
USER NAME = footemj	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
	DRAWN -	REVISED - S.P.B. 01-10
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - M.D. 05-13
PLOT DATE = 3/4/2019	DATE - 01-90	REVISED - M.D. 09-17

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

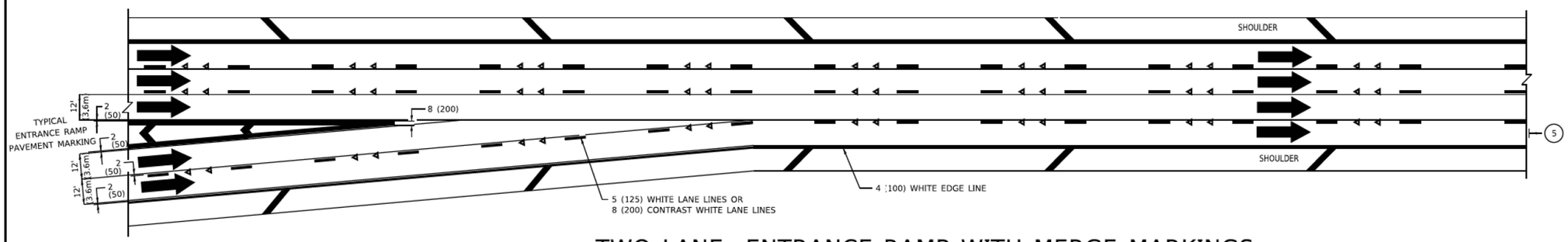
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

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

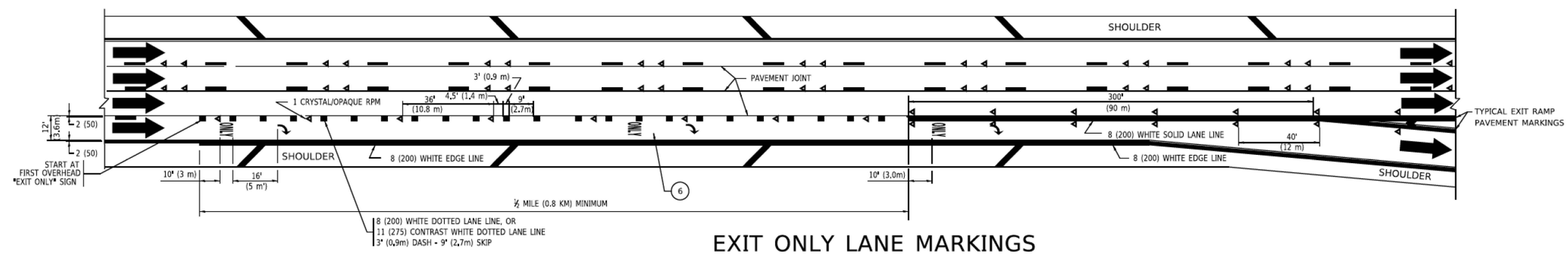
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	234
	TC-12	CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



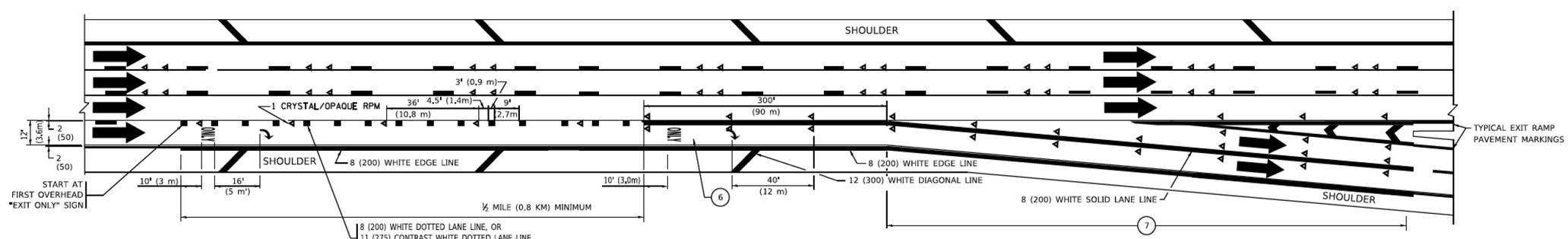
AUXILIARY LANE MARKINGS



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.

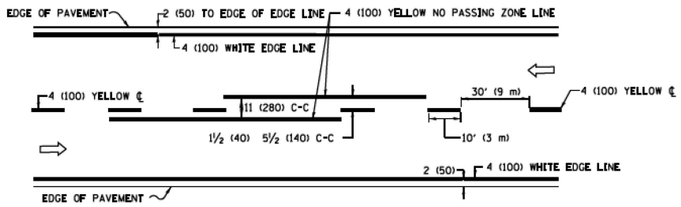
USER NAME = footemj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06	
	DRAWN -	REVISED - S.P.B. 01-07	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - S.P.B. 01-10	
PLOT DATE = 3/4/2019	DATE - 01-90	REVISED - M.D. 09-17	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

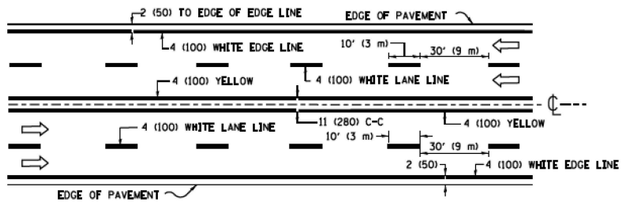
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

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

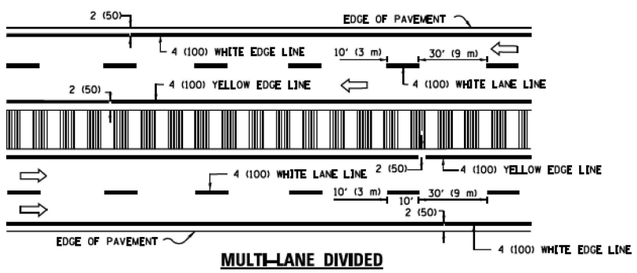
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	235
	TC-12	CONTRACT NO.62R63		
		ILLINOIS FED. AID PROJECT		



2–LANE ROADWAY

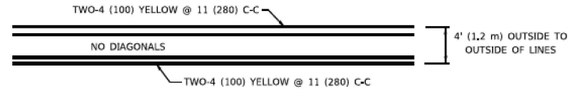


MULTI–LANE UNDIVIDED

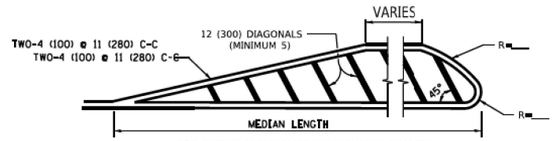


MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



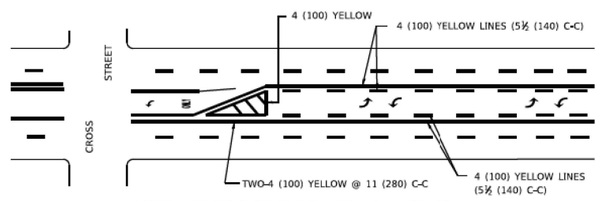
4' (1.2 m) WIDE MEDIANS ONLY



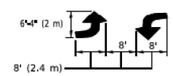
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

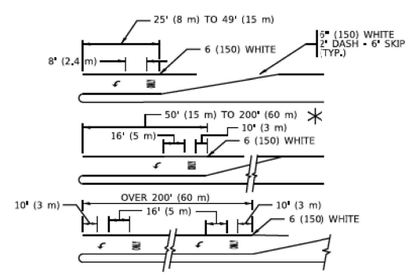


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

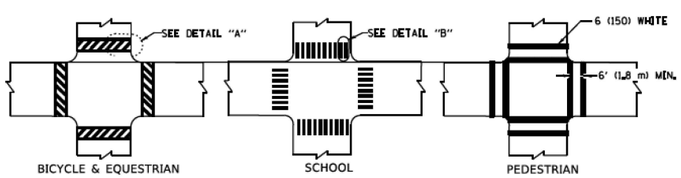


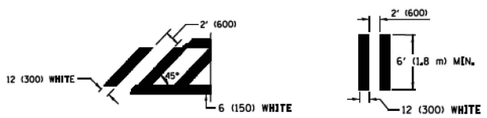
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

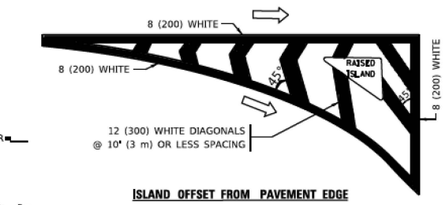




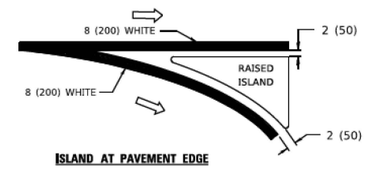
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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

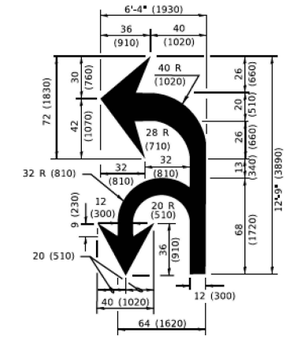


ISLAND OFFSET FROM PAVEMENT EDGE

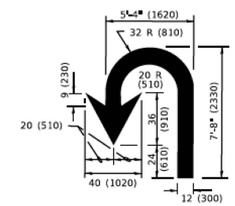


ISLAND AT PAVEMENT EDGE

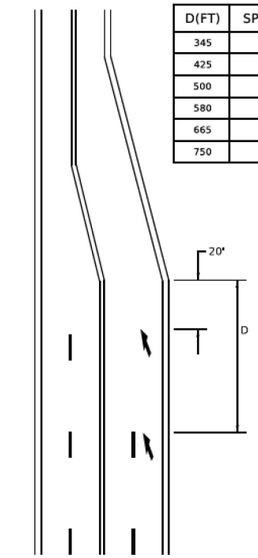
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



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

LANE REDUCTION TRANSITION

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

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

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

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

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - C. JUCIUS 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	236
	TC-13	CONTRACT NO. 62R63		
		ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

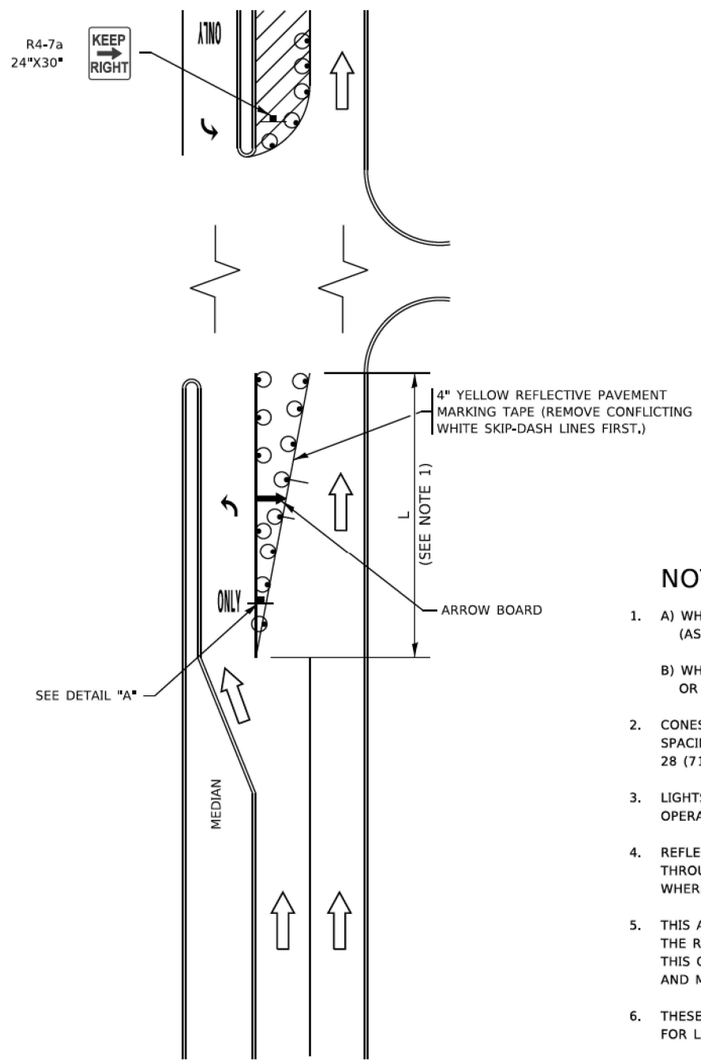


FIGURE 1

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:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

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

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

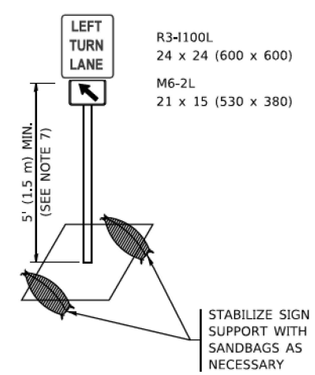
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

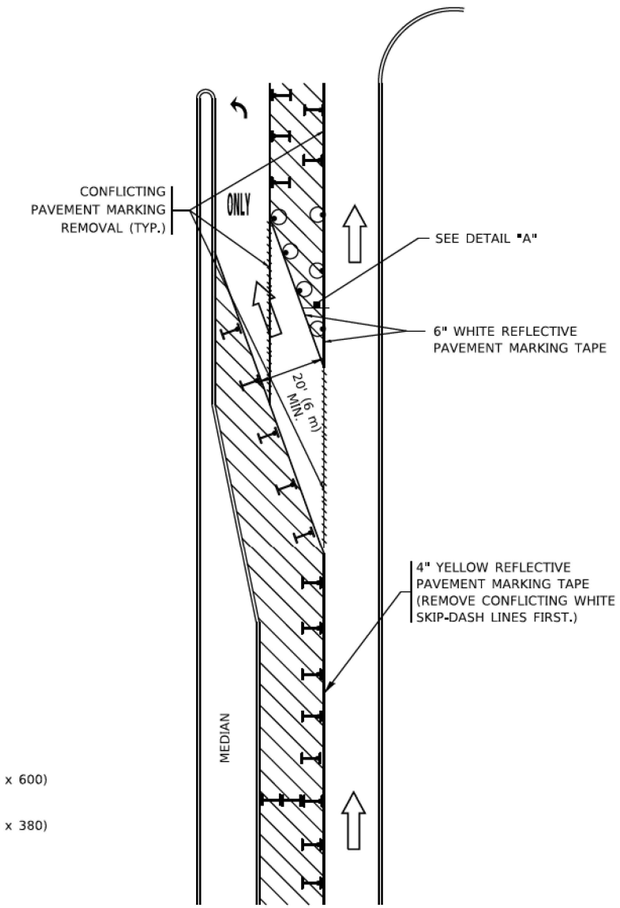


FIGURE 2

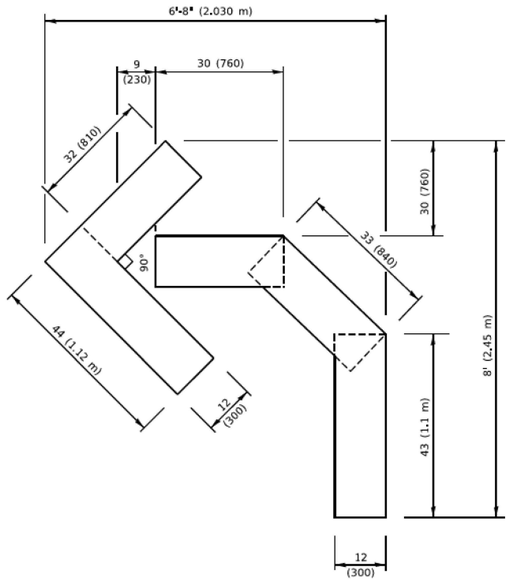
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = footemj	DESIGNED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	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 -	

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

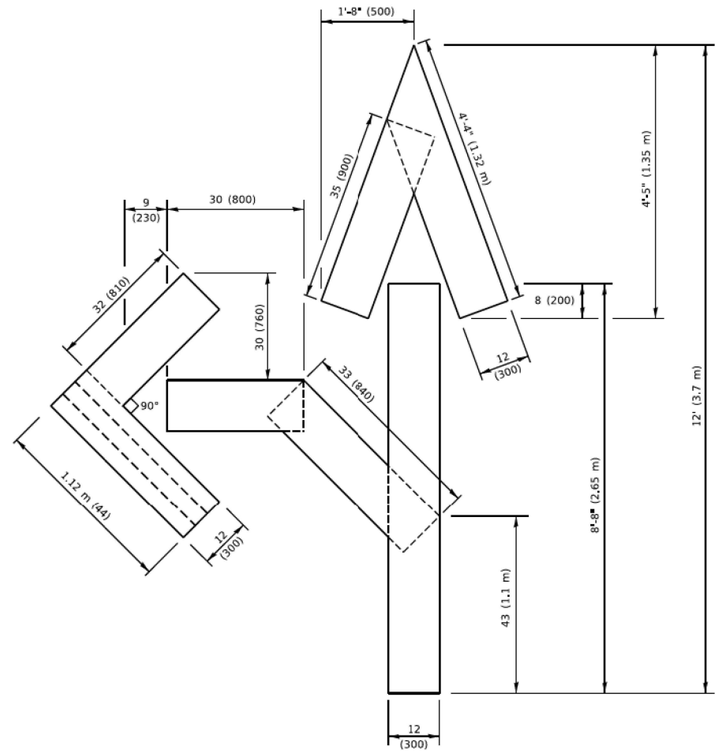
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAI 94 22 STRUCTURE 1	COOK	268	237
	TC-14	CONTRACT NO. 62R63		
	ILLINOIS	FED. AID PROJECT		



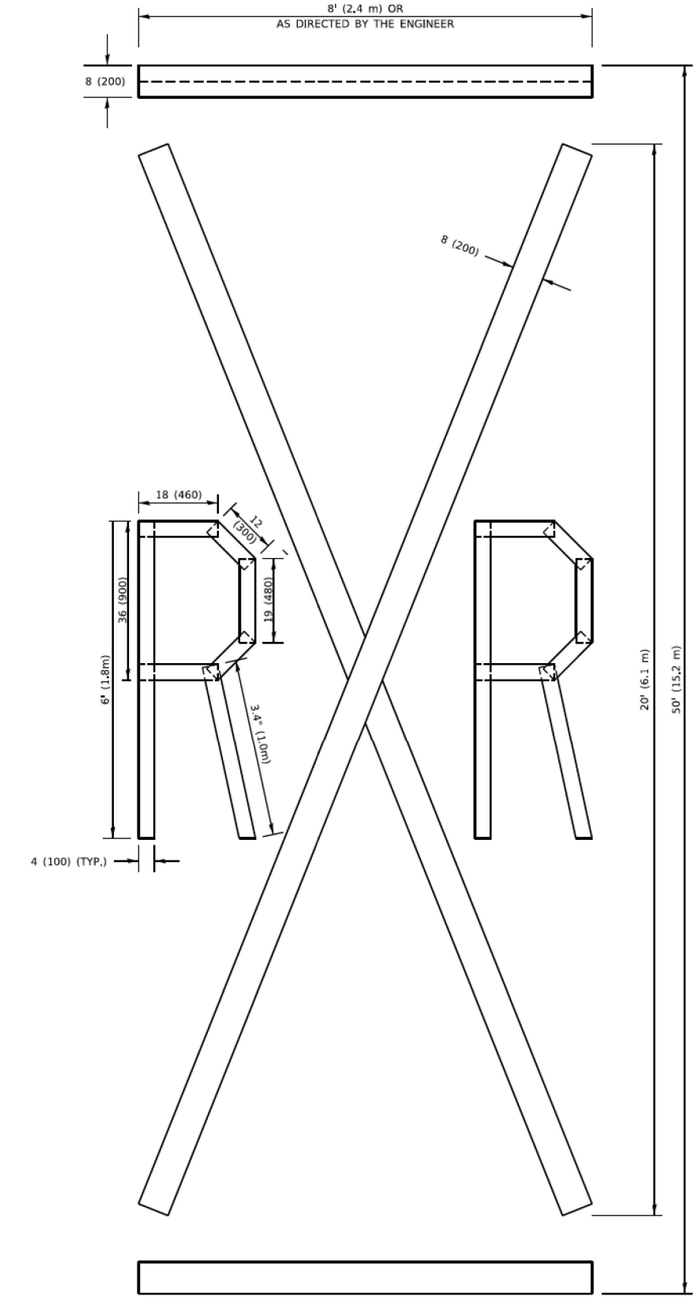
QUANTITY

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



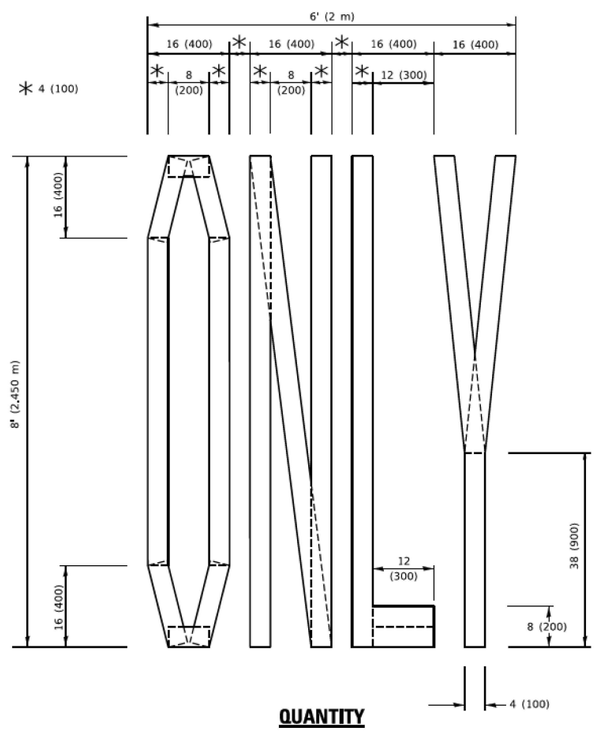
QUANTITY

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



QUANTITY

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



QUANTITY

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

NOTE:

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

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

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	

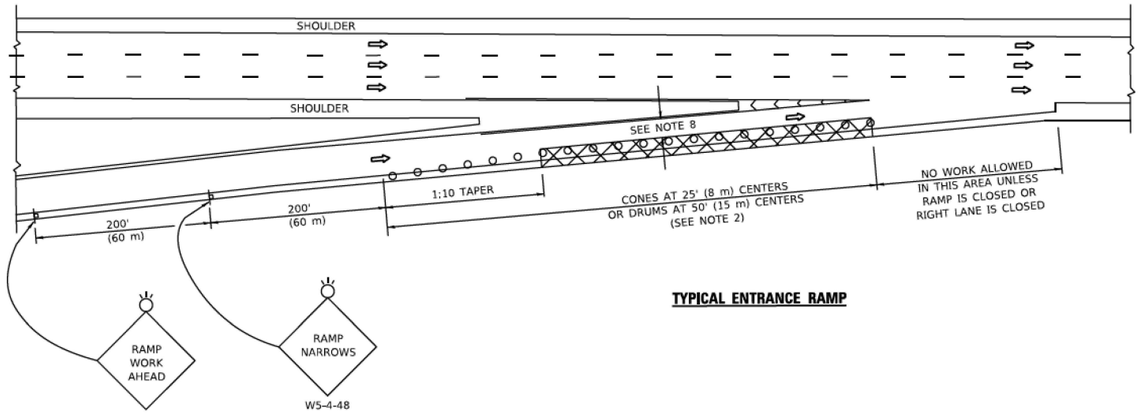
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

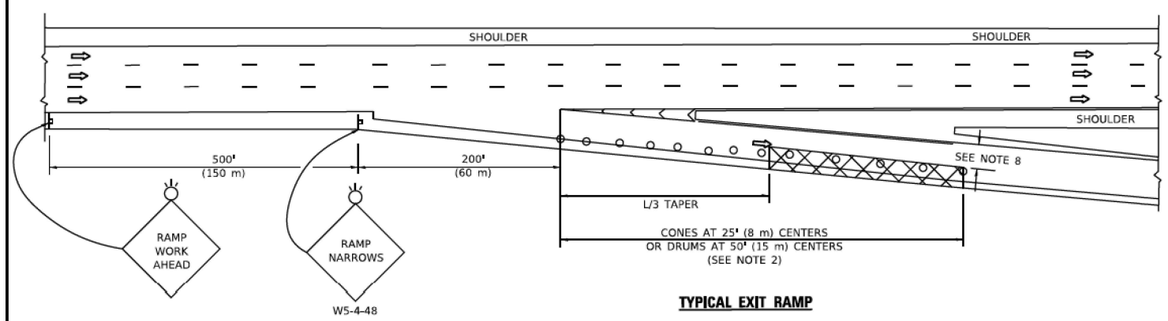
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAI 94 22 STRUCTURE 1	COOK	268	238
	TC-16	CONTRACT NO. 62R63		
	ILLINOIS	FED. AID PROJECT		

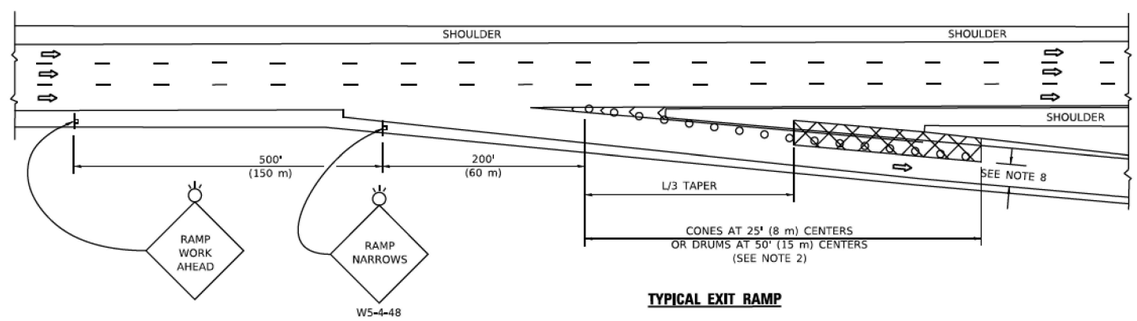
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP

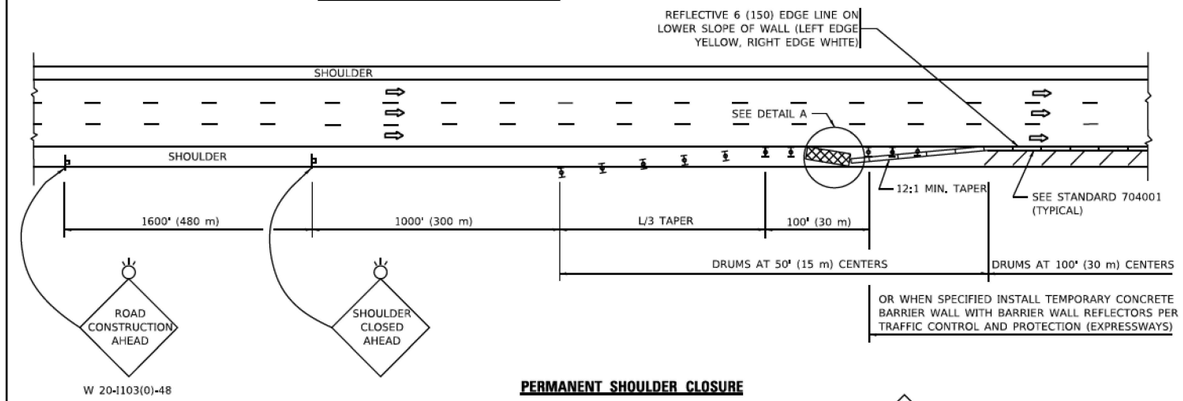


TYPICAL EXIT RAMP

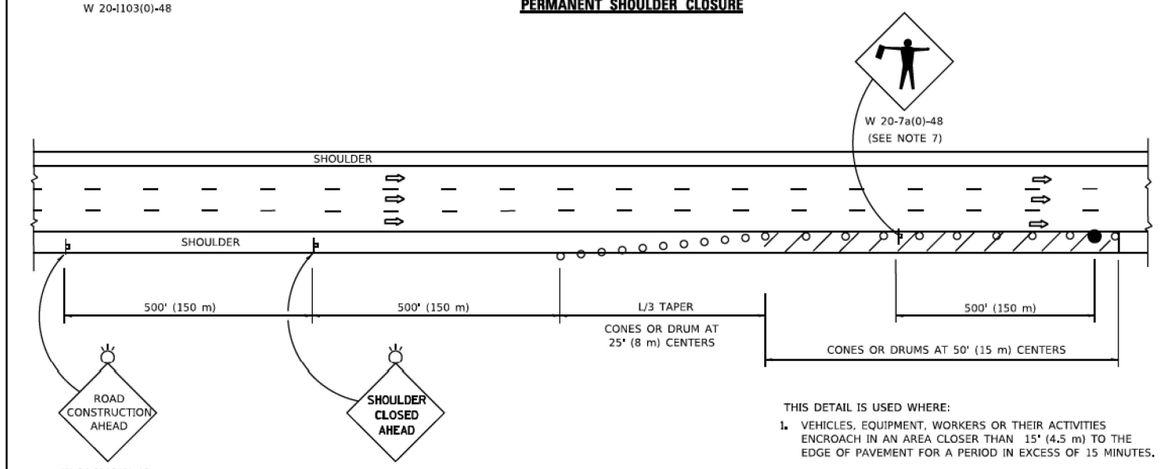


TYPICAL EXIT RAMP

SHOULDER CLOSURE DETAILS



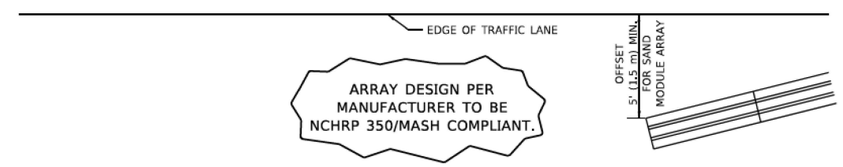
PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:

1. 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 ATTENTUATOR, TEMPORARY
(SEE NOTE 5)

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:

1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS	
	METRIC	ENGLISH
45 mph (80 km/h) OR GREATER:	L=0.65(W)(S)	L=(W)(S)

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)

2. 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 OBSTICLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENTUATOR, 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.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
   a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
   b. 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.
8. 12' MIN. WIDTH TANGENT SECTION
   16' MIN. WIDTH CURVE SECTION.
9. 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.

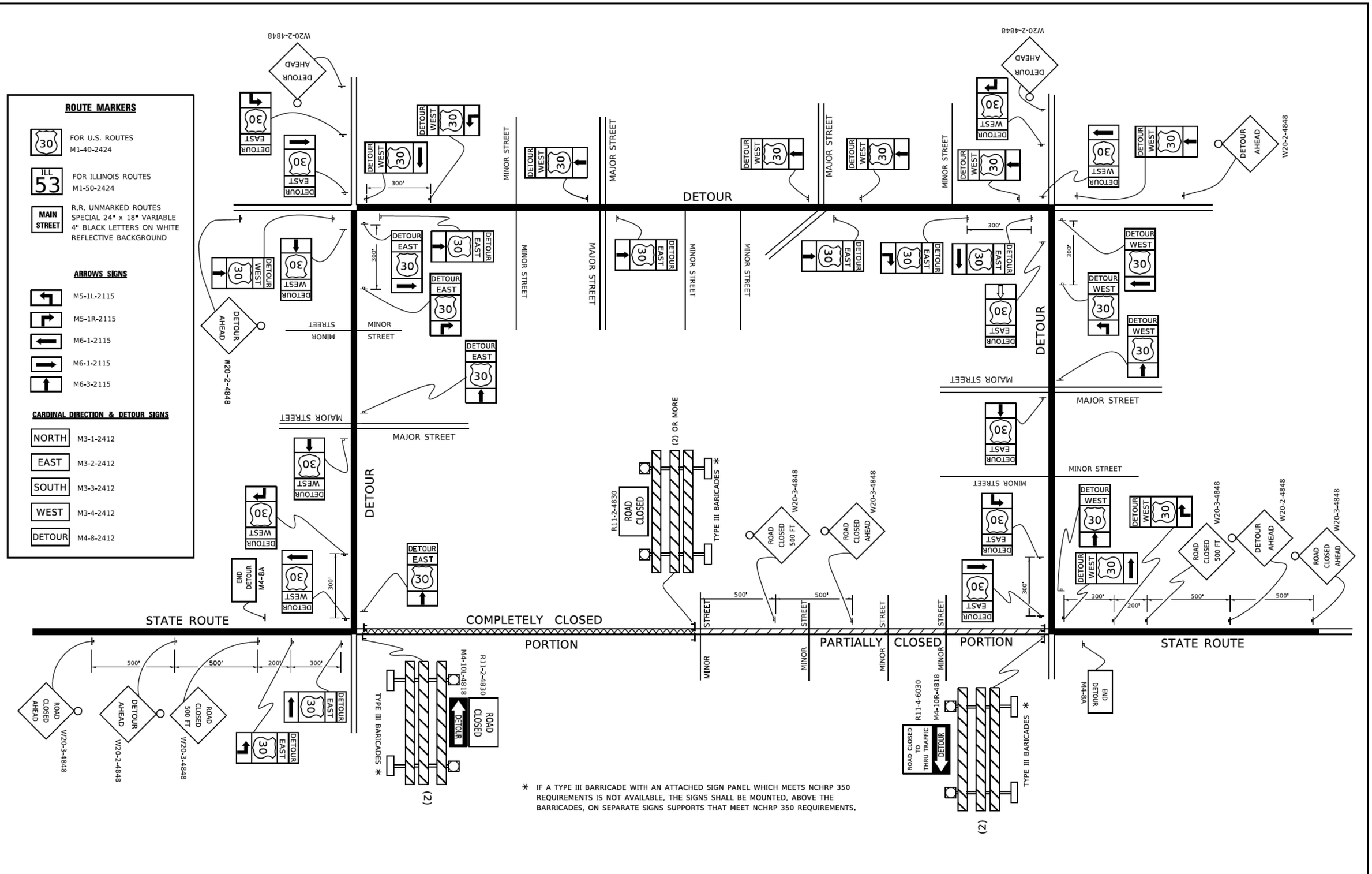
USER NAME = Lawrence.DeManche	DESIGNED -	REVISED -	M.D. 06-13	
	DRAWN - D.W.S.	REVISED -	M.D. 01-18	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	M.D. 10-20	
PLOT DATE = 5/3/2024	DATE - 11-96	REVISED -	D.S. 05-24	

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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	239
	TC-17	CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



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

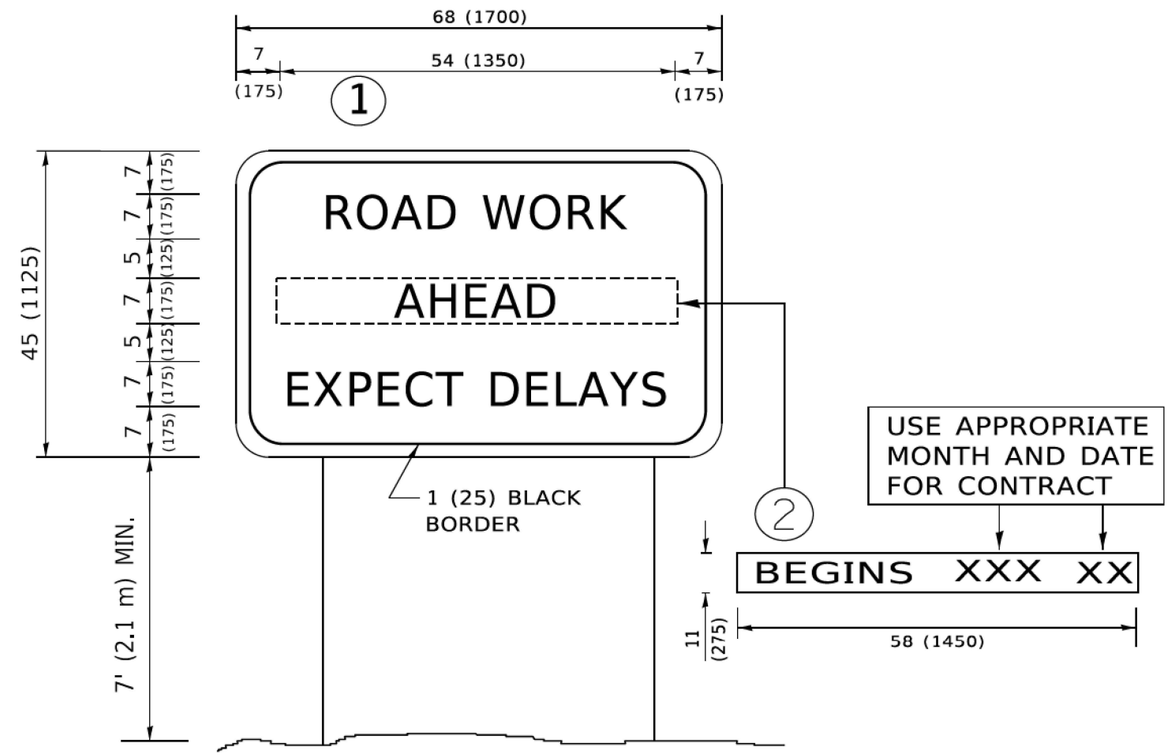
USER NAME = footemj	DESIGNED -	REVISED - 10-18-02
	DRAWN -	REVISED - R. BORO 09-14-09
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	240
	TC-21	CONTRACT NO. 62R63		
		ILLINOIS FED. AID PROJECT		



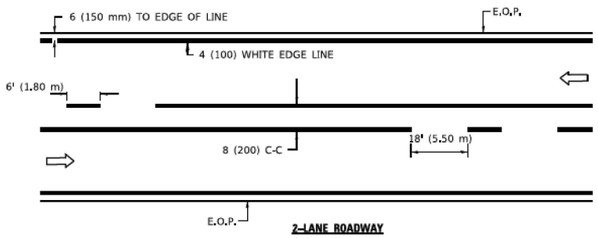
NOTES:

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

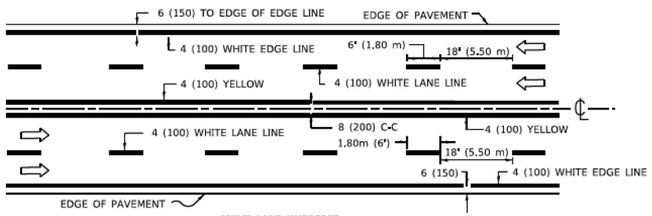
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	
	DRAWN -	REVISED - R. MIRS 12-11-97			
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 02-02-99			
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	

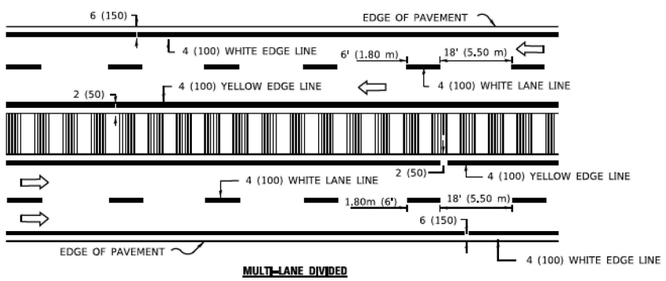
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAI 94 22 STRUCTURE 1	COOK	268	241
	TC-22	CONTRACT NO. 62R63		
	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



MULTI-LANE UNDIVIDED

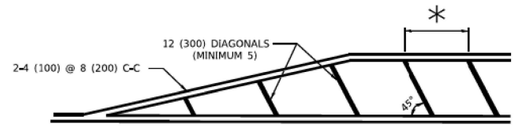


MULTI-LANE DIVIDED

WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

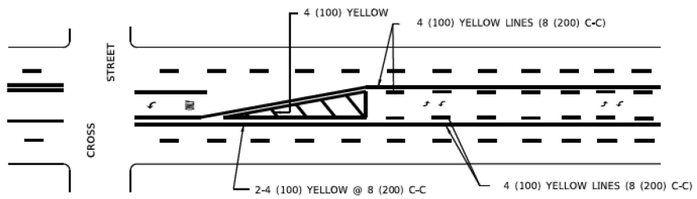
TYPICAL LANE AND EDGE LINE MARKING



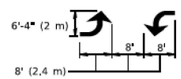
* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

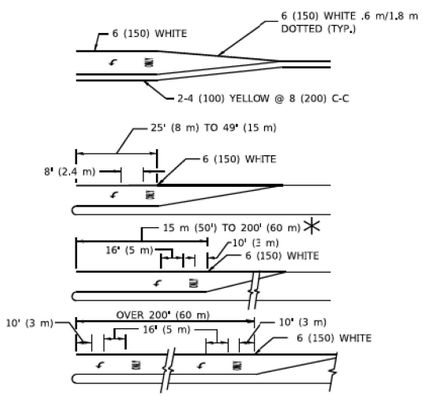


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

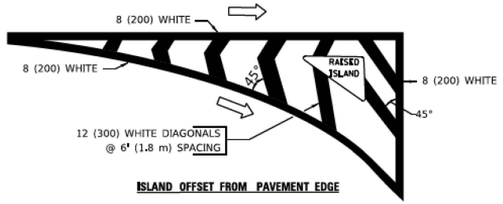


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)

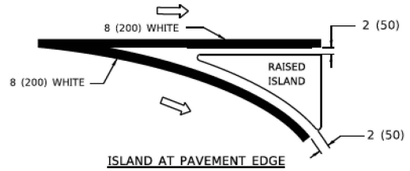
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



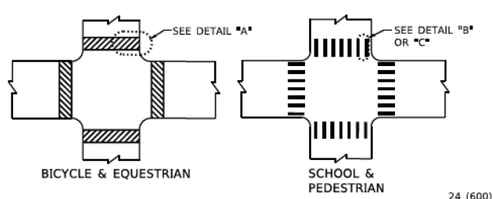
ISLAND AT PAVEMENT EDGE

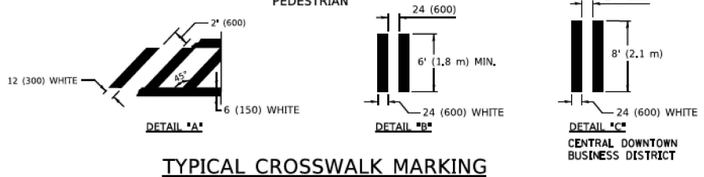
TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) 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: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33m²) EACH "X"=54.0 SQ. FT. (5.0 m²)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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





TYPICAL CROSSWALK MARKING

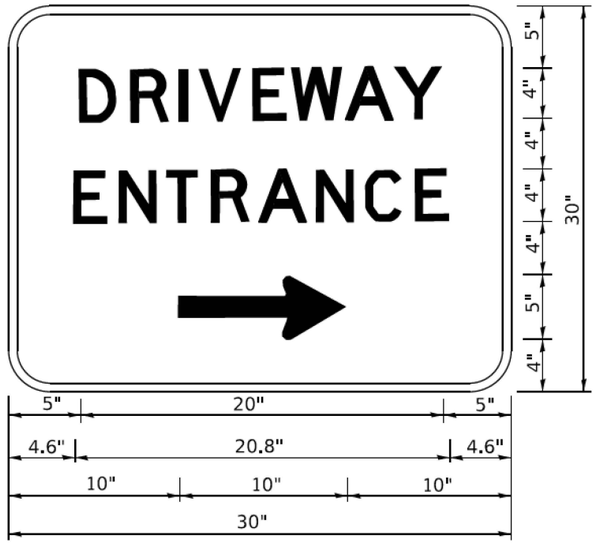
USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACHER 12-07-00
	DRAWN -	REVISED - K. ENG 02-28-12
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 1 OF 3 SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	242
	TC-24	CONTRACT NO.62R63		
		ILLINOIS	FED. AID PROJECT	



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

NOTES:

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

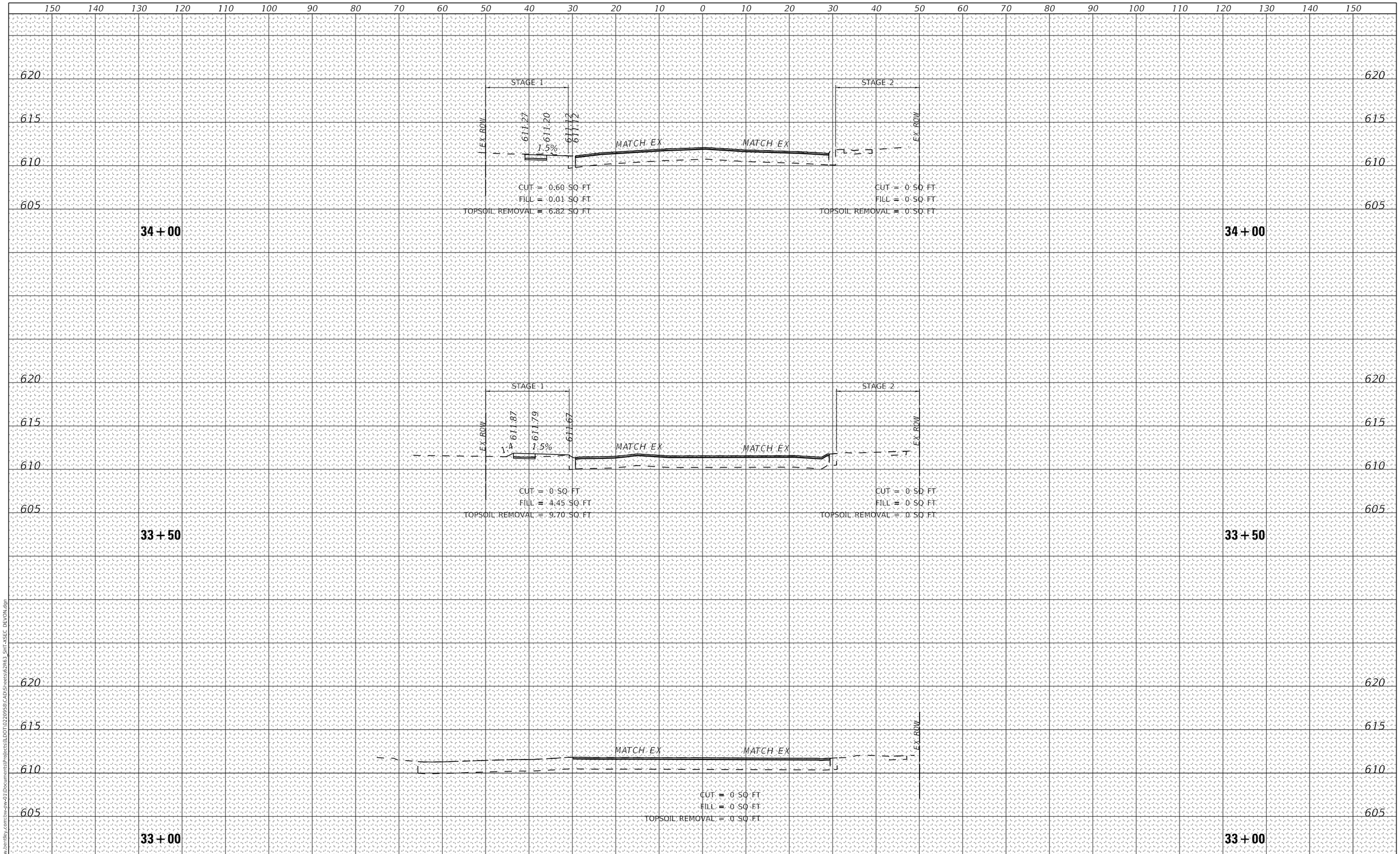
USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/6/2021	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	243
	TC-26	CONTRACT NO. 62R63		
		ILLINOIS FED. AID PROJECT		



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BAXTER & WOODMAN Consulting Engineers

USER NAME = cstoczynski	DESIGNED - CMS	REVISED -	
	DRAWN - MJO	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - AMW	REVISED -	
PLOT DATE = 8/11/2025	DATE - 8-11-2025	FILE - 62R63_SHT-XSEC DEVON.dgn	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

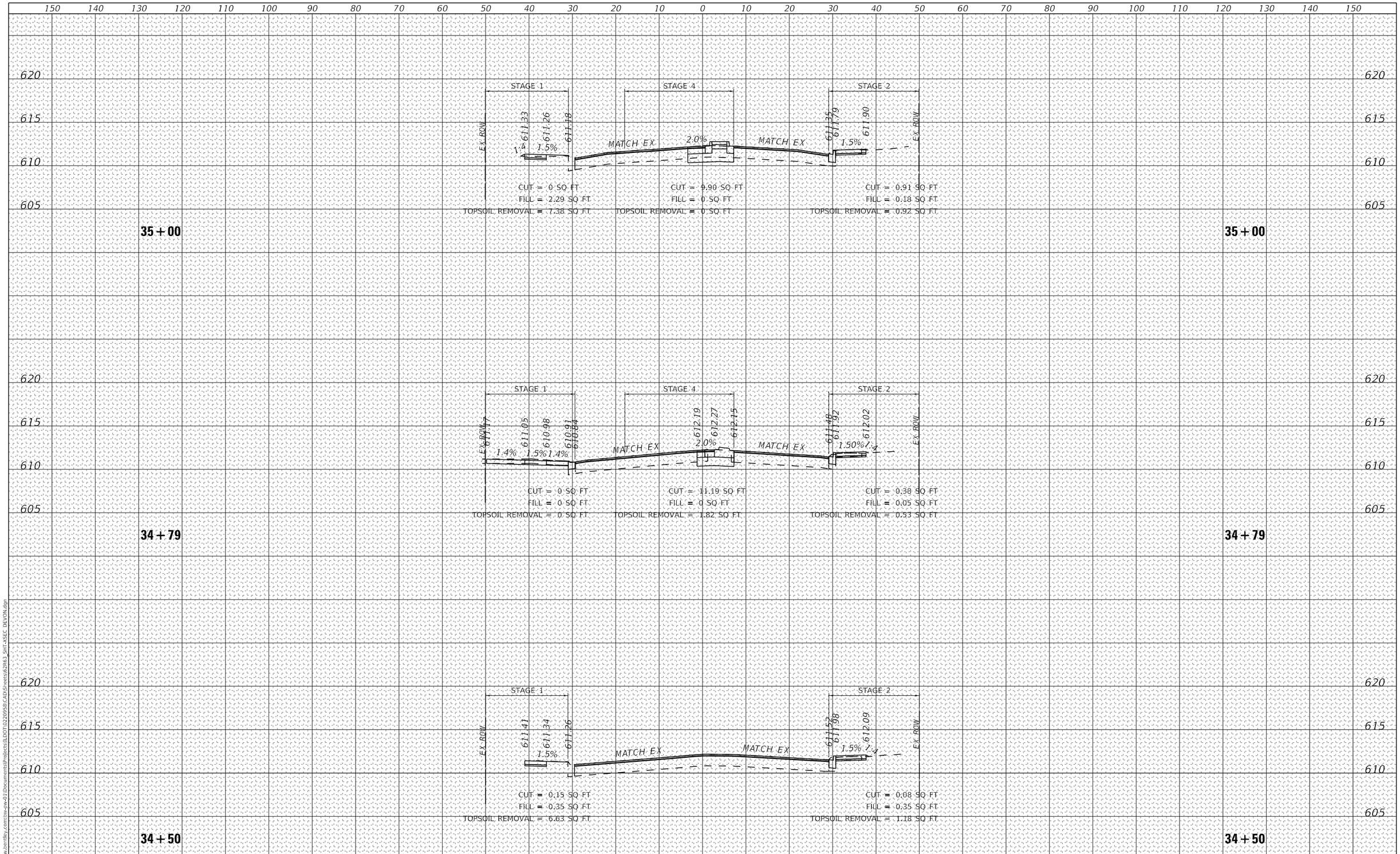
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 1 OF 22 SHEETS | STA. 33+00 TO STA. 34+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	244

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



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BAXTER & WOODMAN Consulting Engineers

USER NAME = cstoczynski	DESIGNED - CMS	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

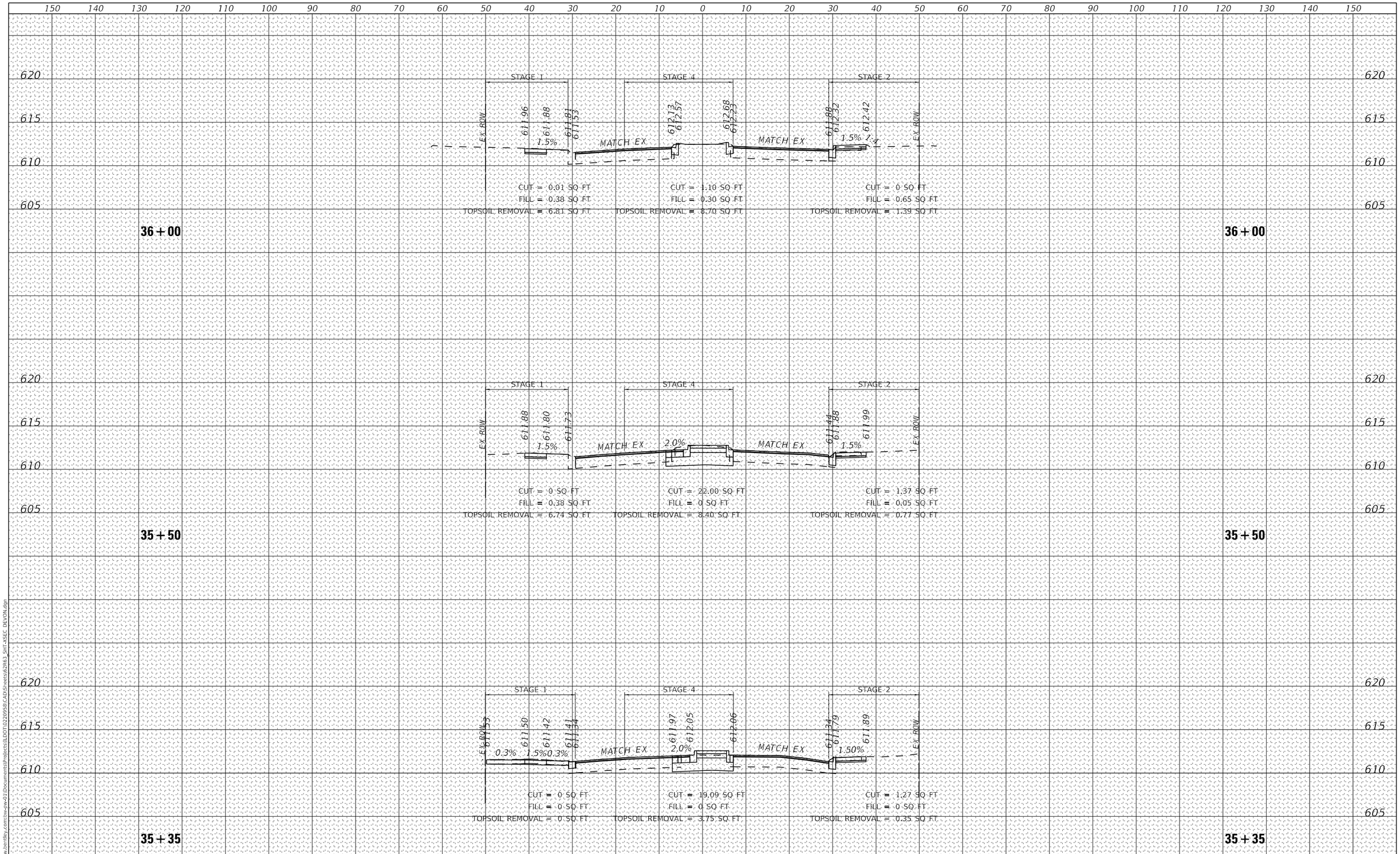
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 2 OF 22 SHEETS | STA. 34+50 TO STA. 35+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	245

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



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BAXTER & WOODMAN Consulting Engineers

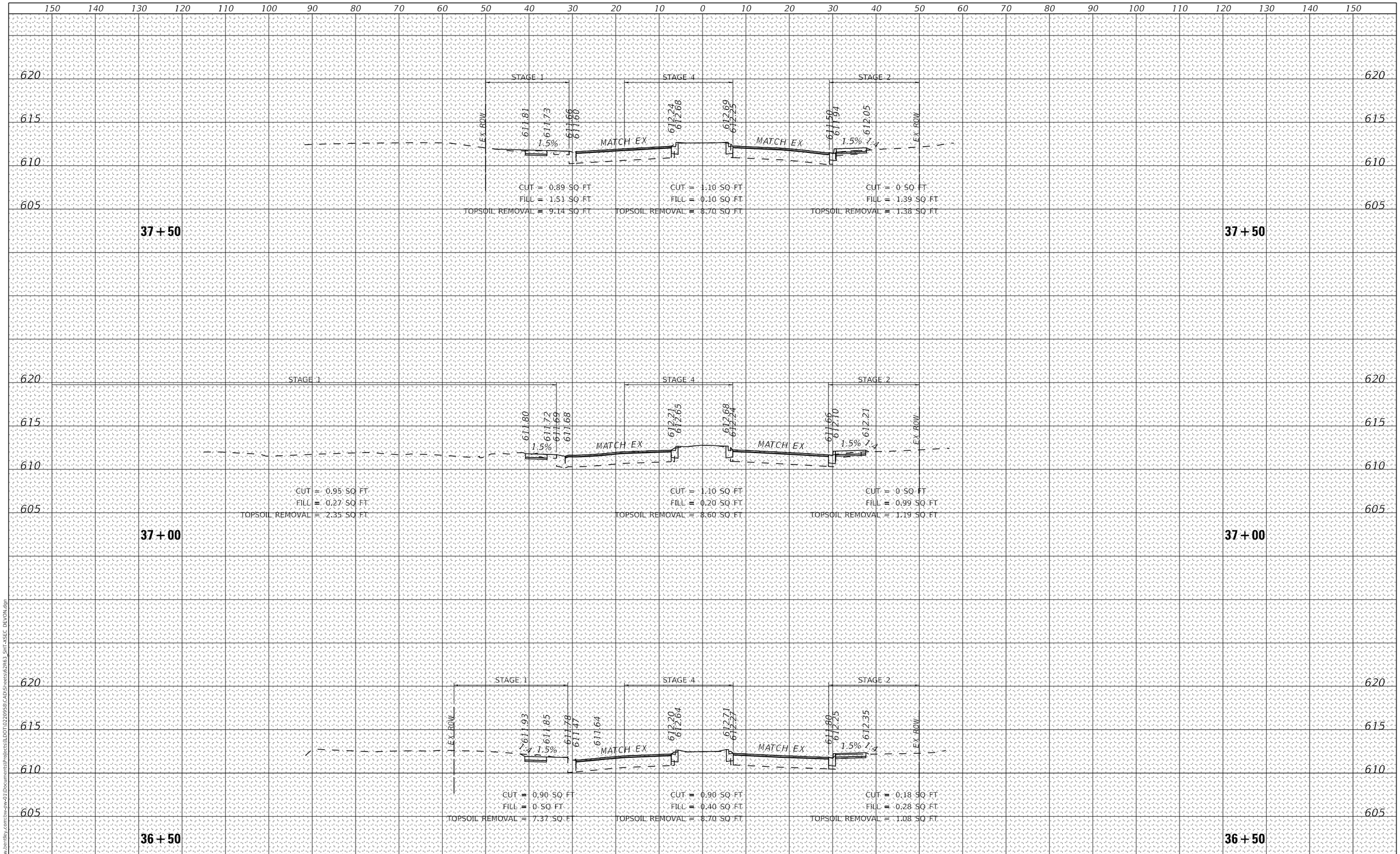
USER NAME = cstoczynski	DESIGNED - CMS	REVISED -	
	DRAWN - MJO	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - AMW	REVISED -	
PLOT DATE = 8/11/2025	DATE - 8-11-2025	FILE - 62R63_SHT-XSEC DEVON.dgn	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 3 OF 22 SHEETS | STA. 35+35 TO STA. 36+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	246
		CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



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BAXTER & WOODMAN Consulting Engineers

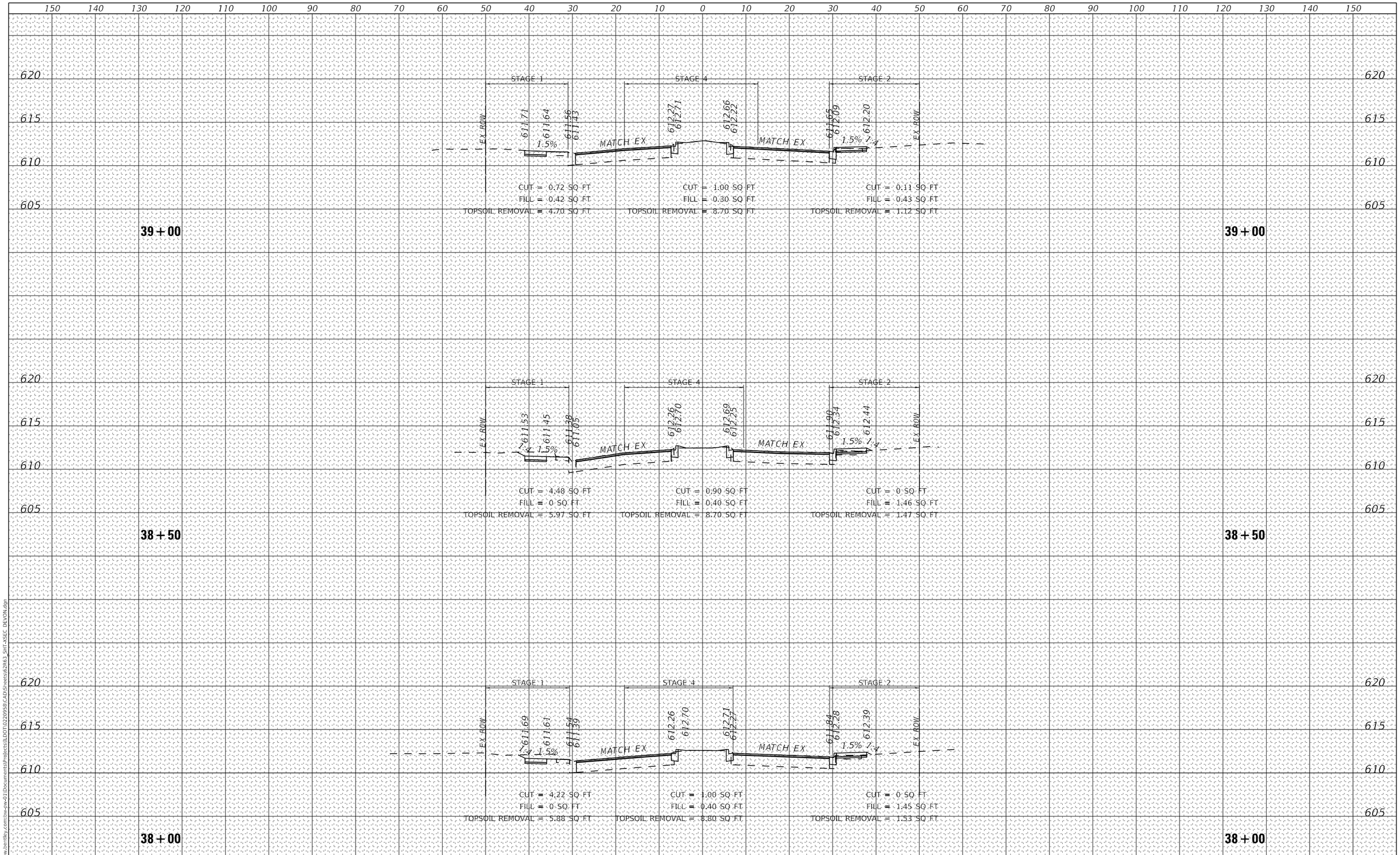
USER NAME = cstoczynski	DESIGNED - CMS	REVISED -	
	DRAWN - MJO	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - AMW	REVISED -	
PLOT DATE = 8/11/2025	DATE - 8-11-2025	FILE - 62R63_SHT-XSEC DEVON.dgn	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 4 OF 22 SHEETS | STA. 36+50 TO STA. 37+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	247
		CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



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BAXTER & WOODMAN Consulting Engineers

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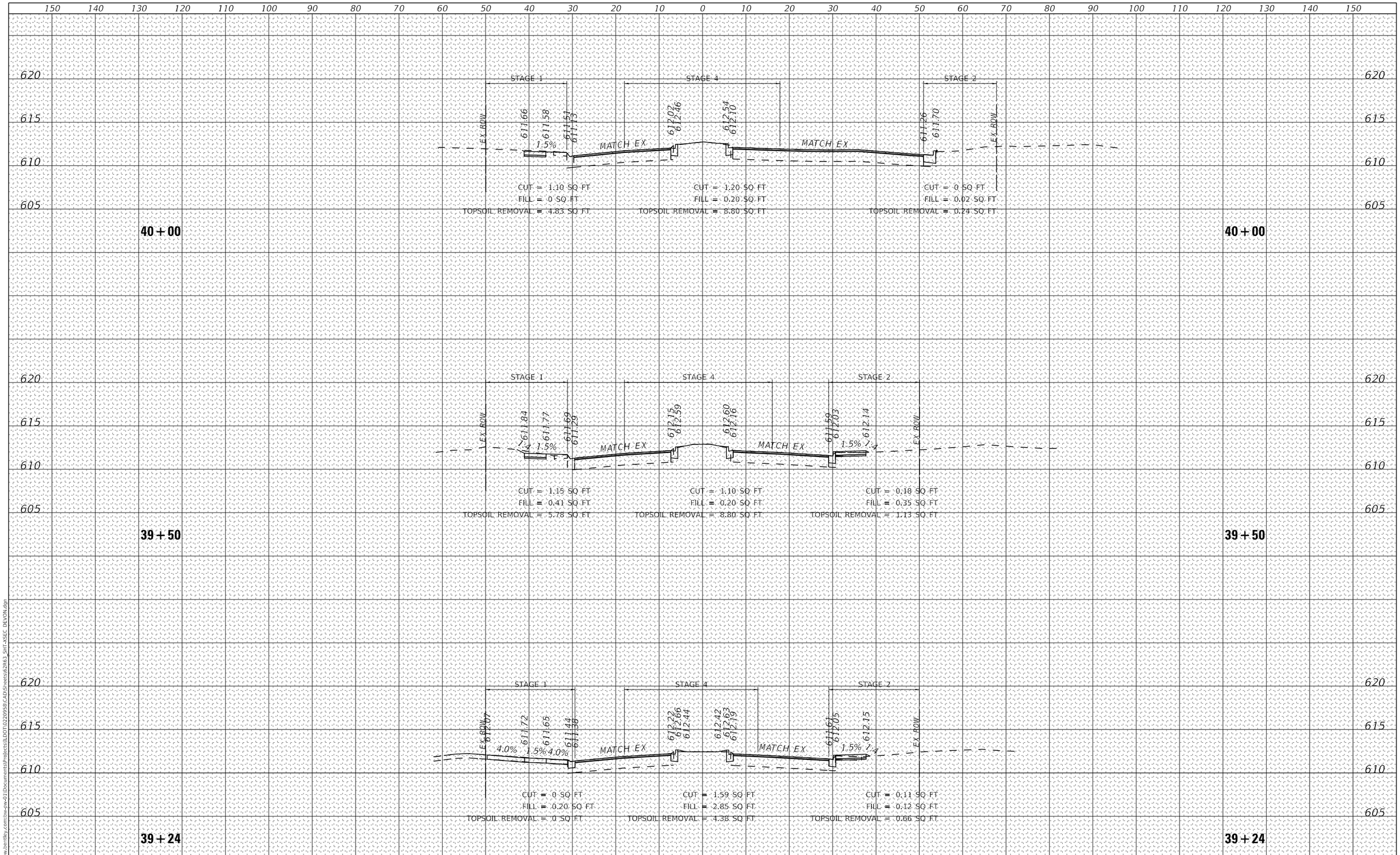
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 5 OF 22 SHEETS | STA. 38+00 TO STA. 39+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	248
		CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



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BAXTER & WOODMAN Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

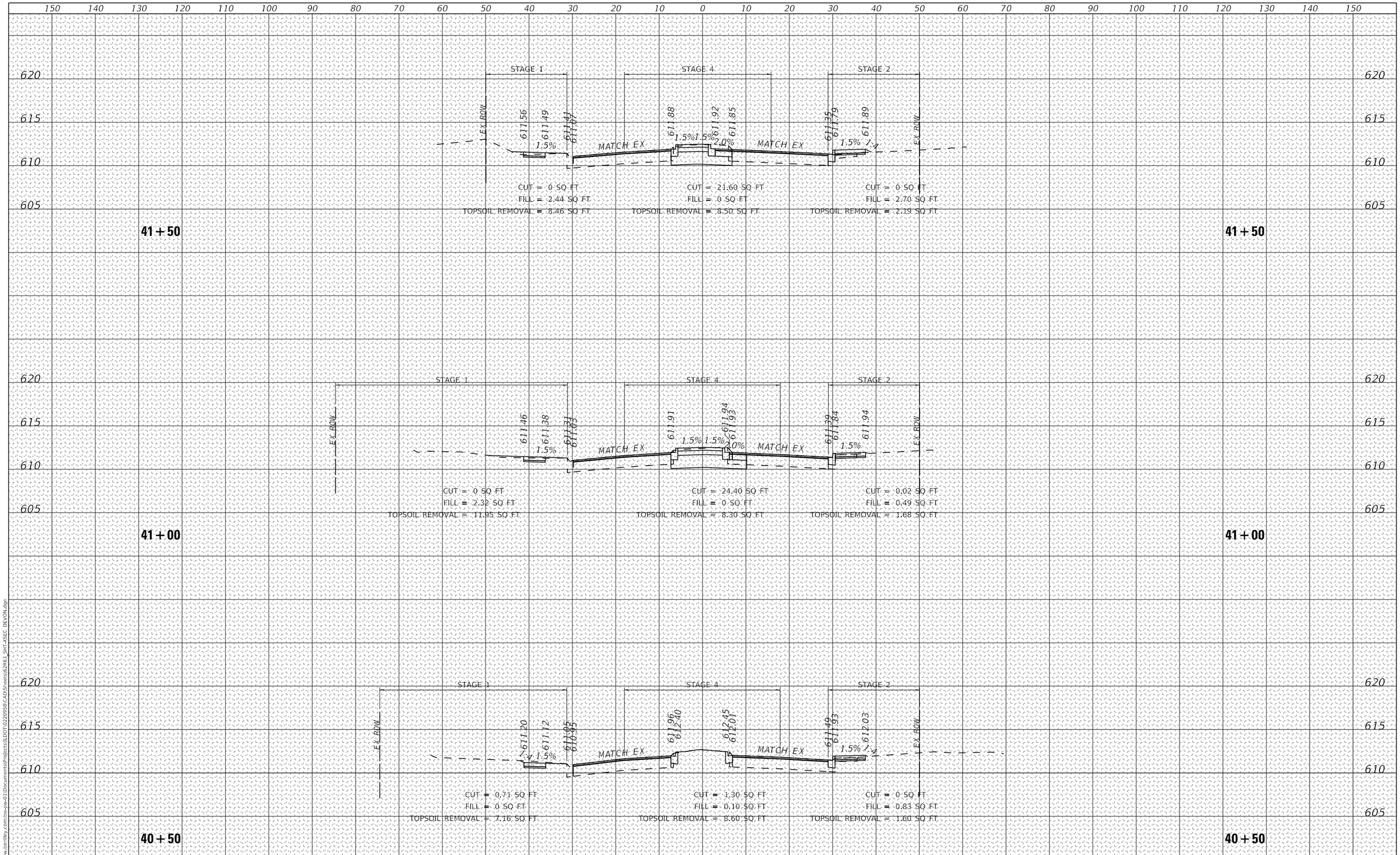
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 6 OF 22 SHEETS | STA. 39+24 TO STA. 40+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	249

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



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BAXTER & WOODMAN Consulting Engineers

USER NAME = cstoczynski	DESIGNED - CMS	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

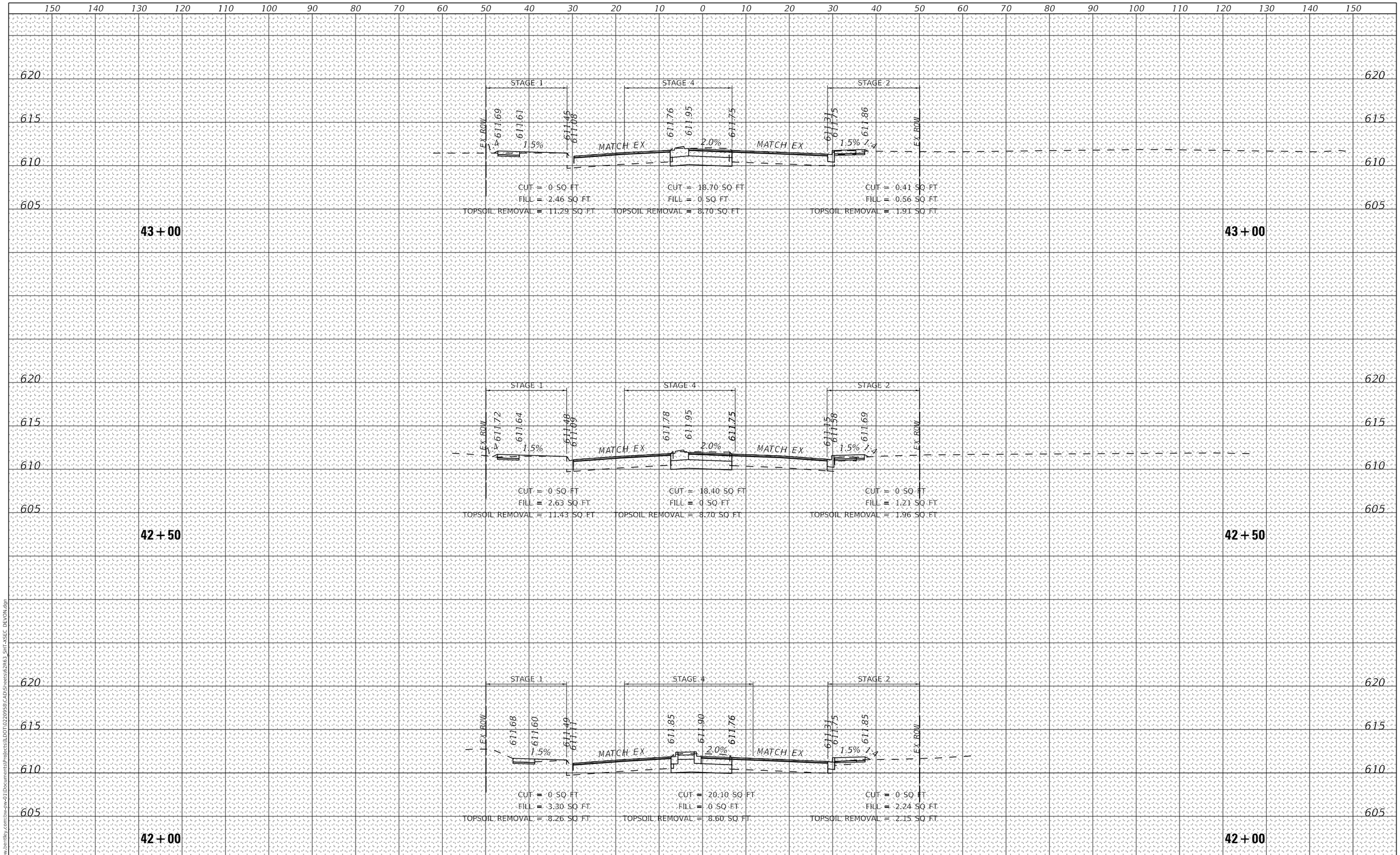
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 7 OF 22 SHEETS | STA. 40+50 TO STA. 41+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	250

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



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BAXTER & WOODMAN Consulting Engineers

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PLOT SCALE = 20.0000 ' / in.	CHECKED - AMW	REVISED -	
PLOT DATE = 8/11/2025	DATE - 8-11-2025	FILE - 62R63_SHT-XSEC DEVON.dgn	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

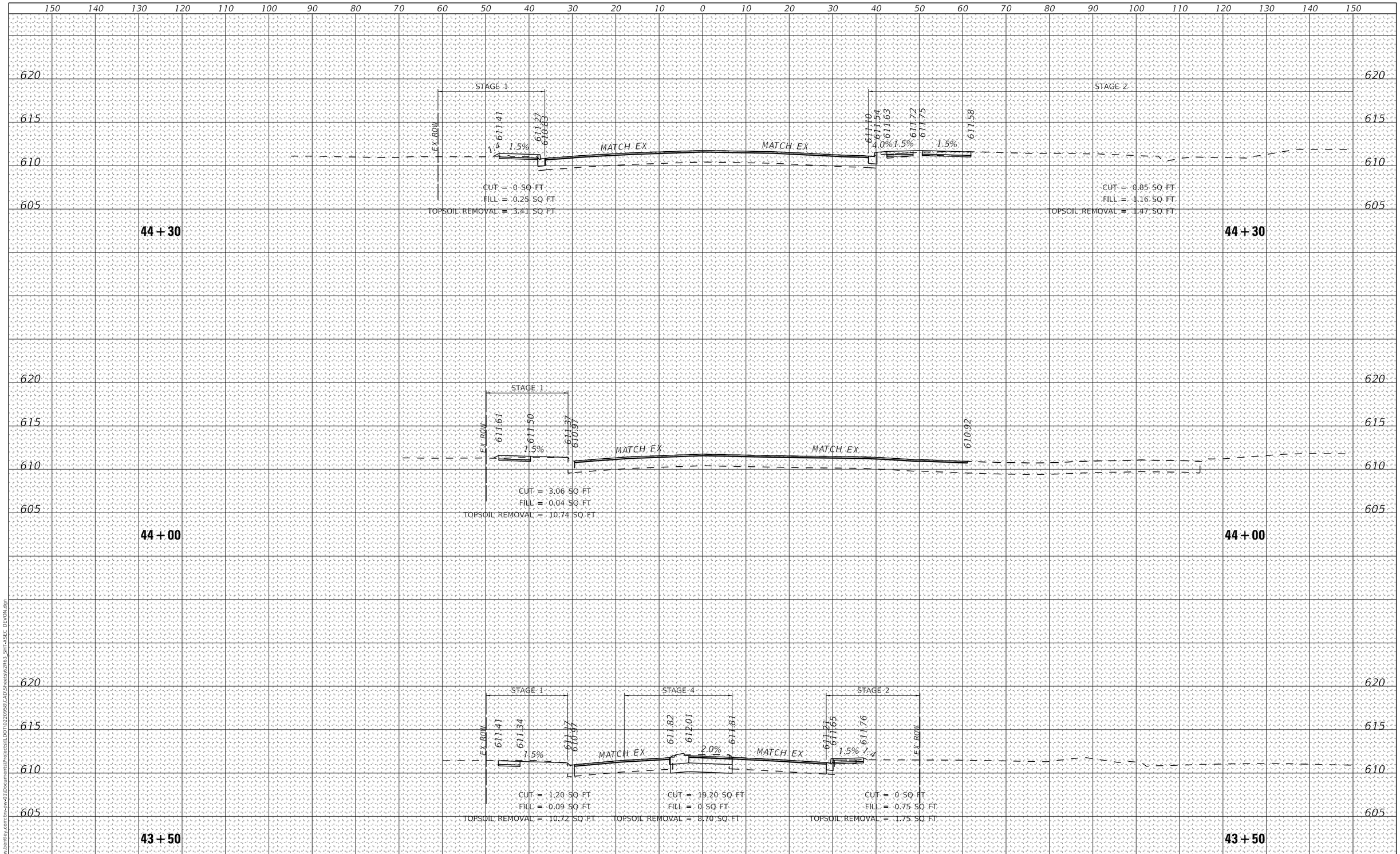
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 8 OF 22 SHEETS | STA. 42+00 TO STA. 43+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	251

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

USER NAME = cstoczynski	DESIGNED - CMS	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

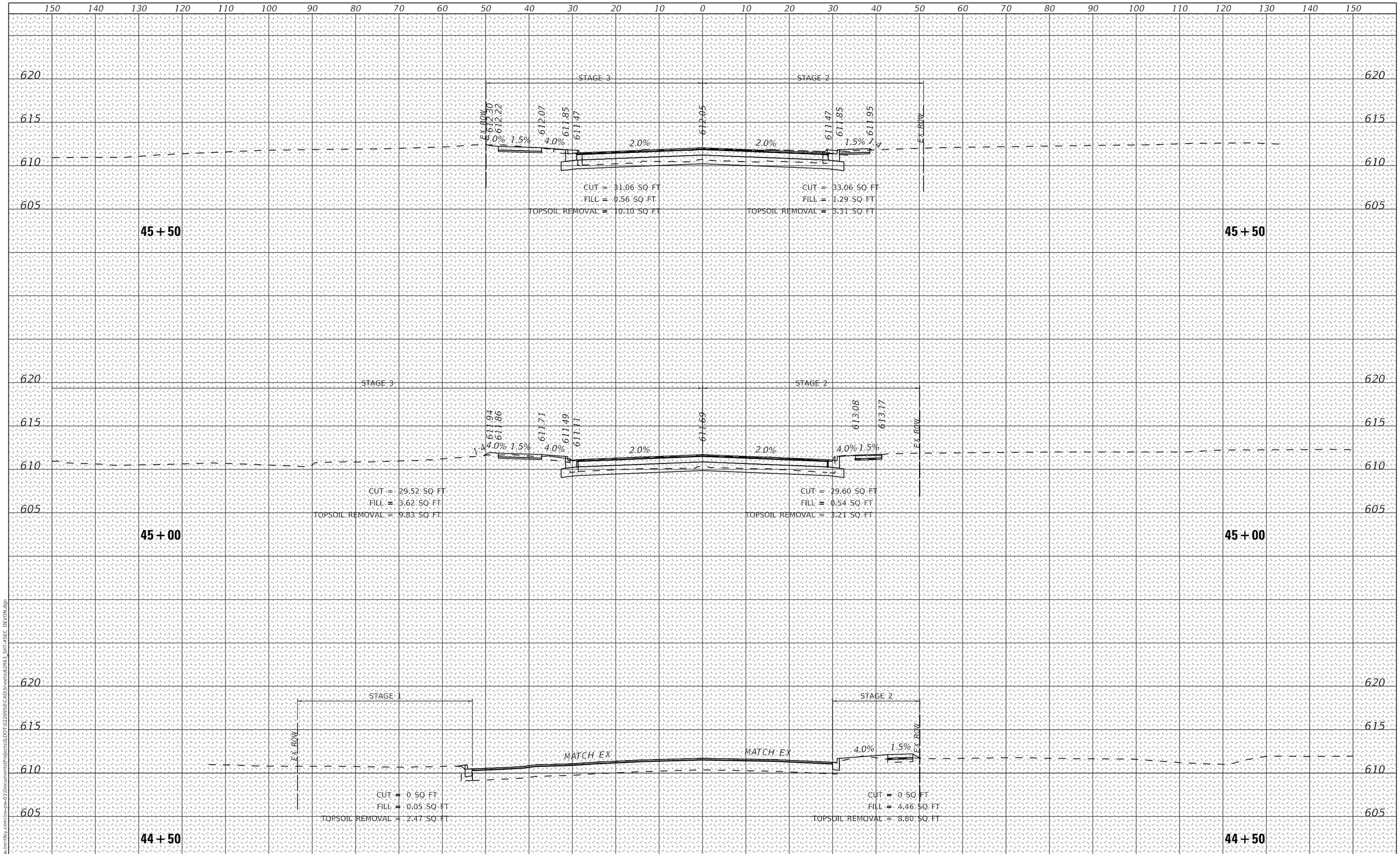
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 9 OF 22 SHEETS | STA. 43+50 TO STA. 44+30

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	252

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



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BAXTER & WOODMAN Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

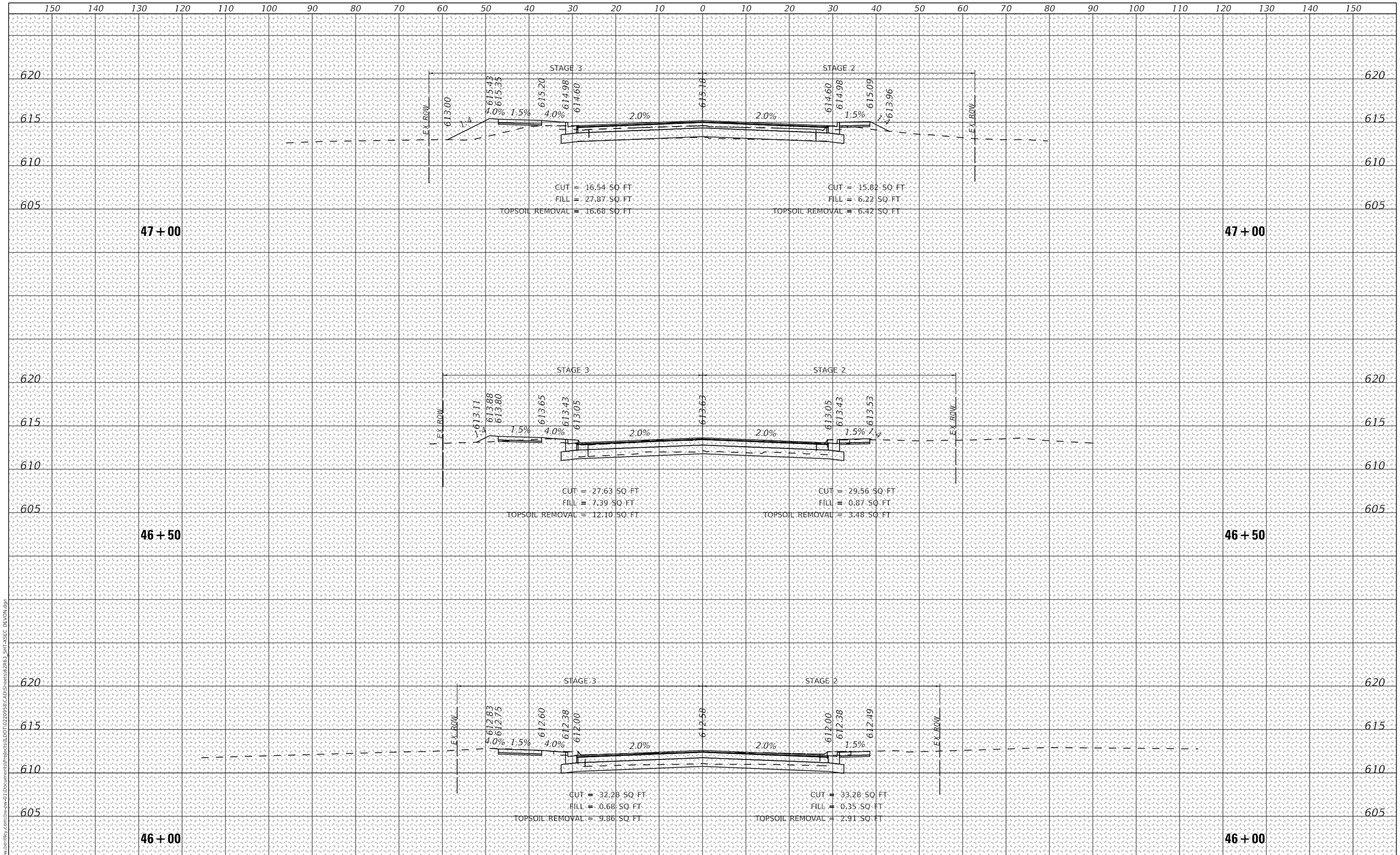
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 10 OF 22 SHEETS | STA. 44+50 TO STA. 45+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	253

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

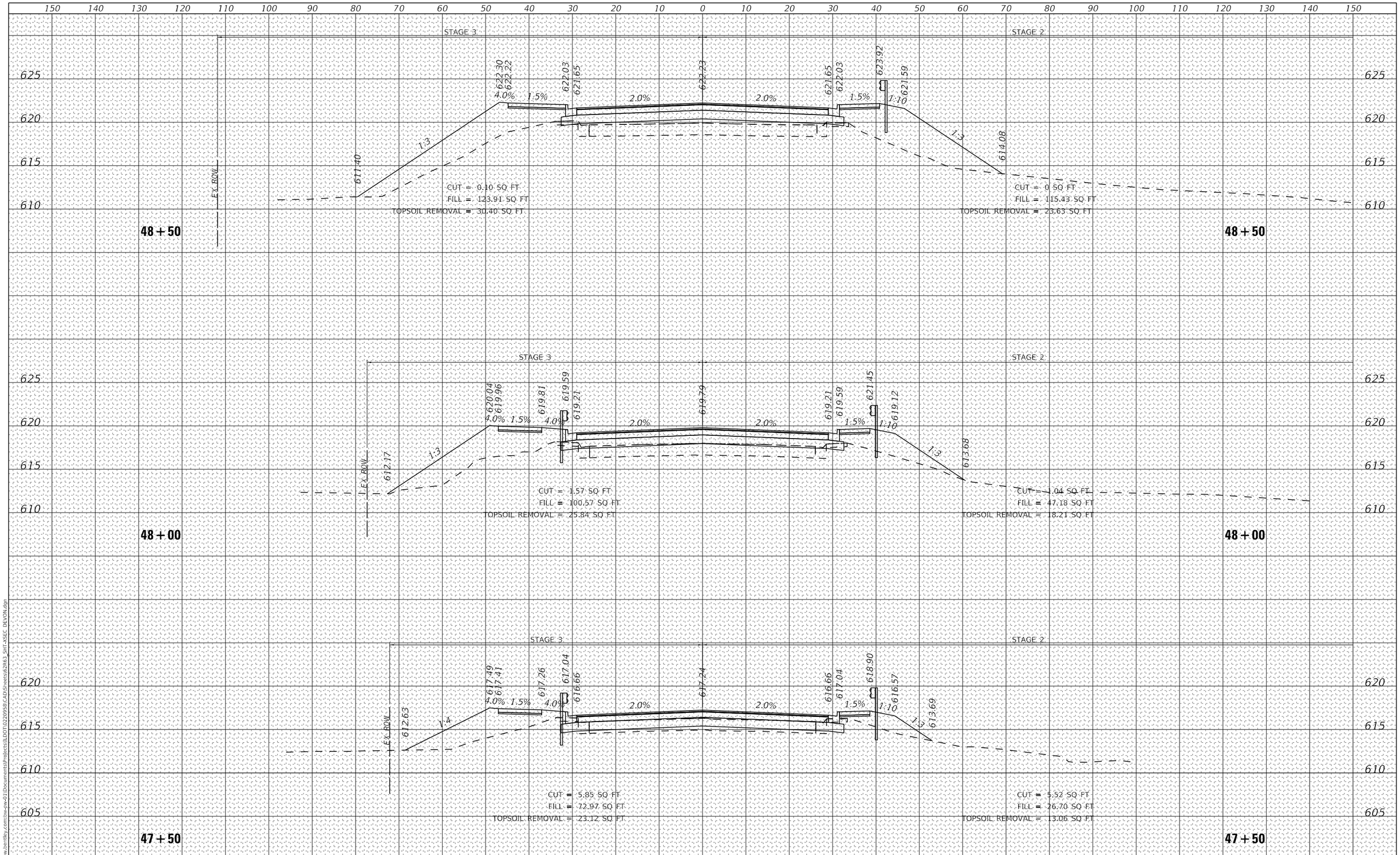
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 11 OF 22 SHEETS | STA. 46+00 TO STA. 47+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	254

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
8/11/2025

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BAXTER & WOODMAN
Consulting Engineers

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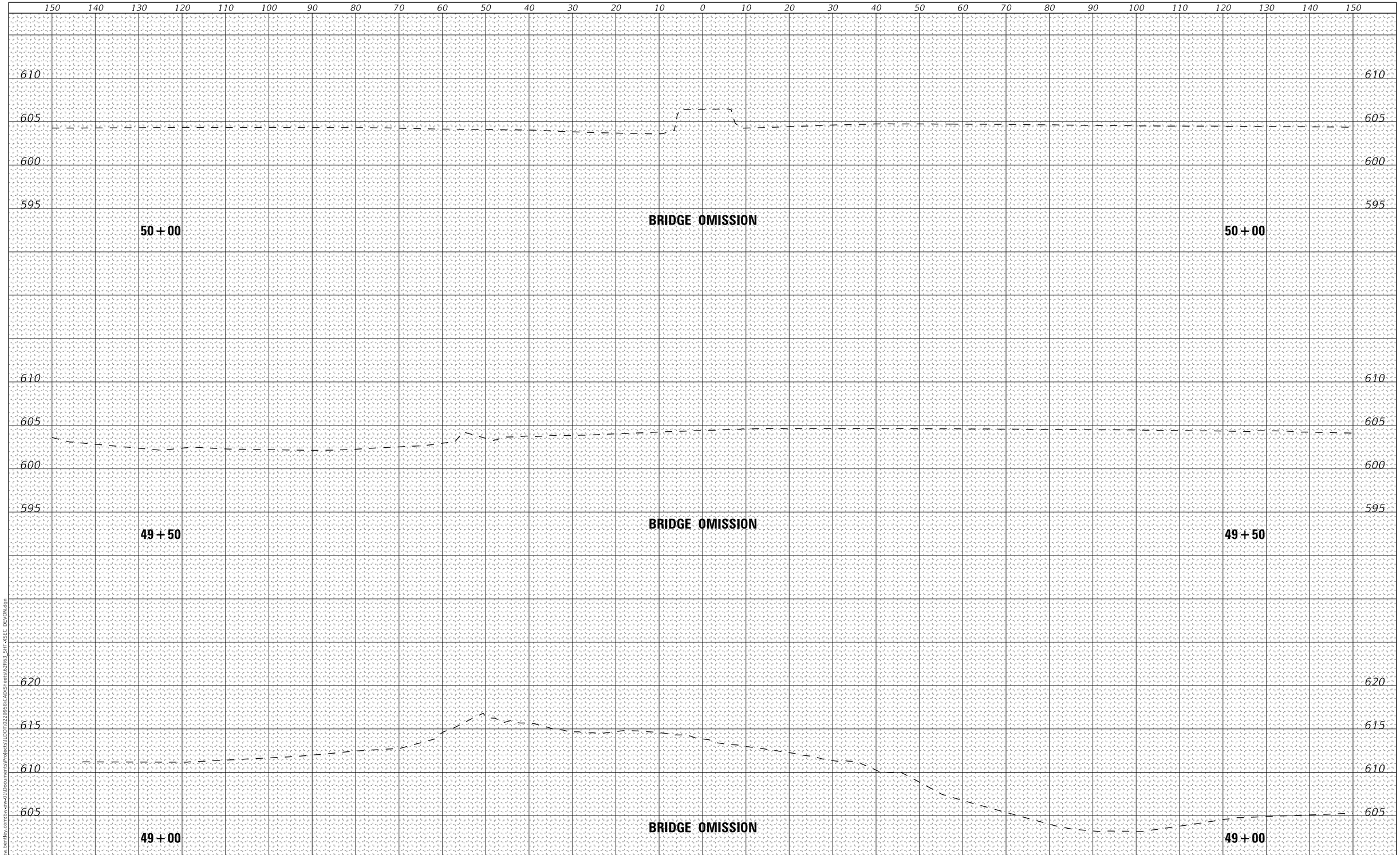
PLOT DATE = 8/11/2025	DATE - 8-11-2025	FILE - 62R63_SHT-XSEC DEVON.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 12 OF 22 SHEETS | STA. 47+50 TO STA. 48+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	255
		CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



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BAXTER & WOODMAN Consulting Engineers

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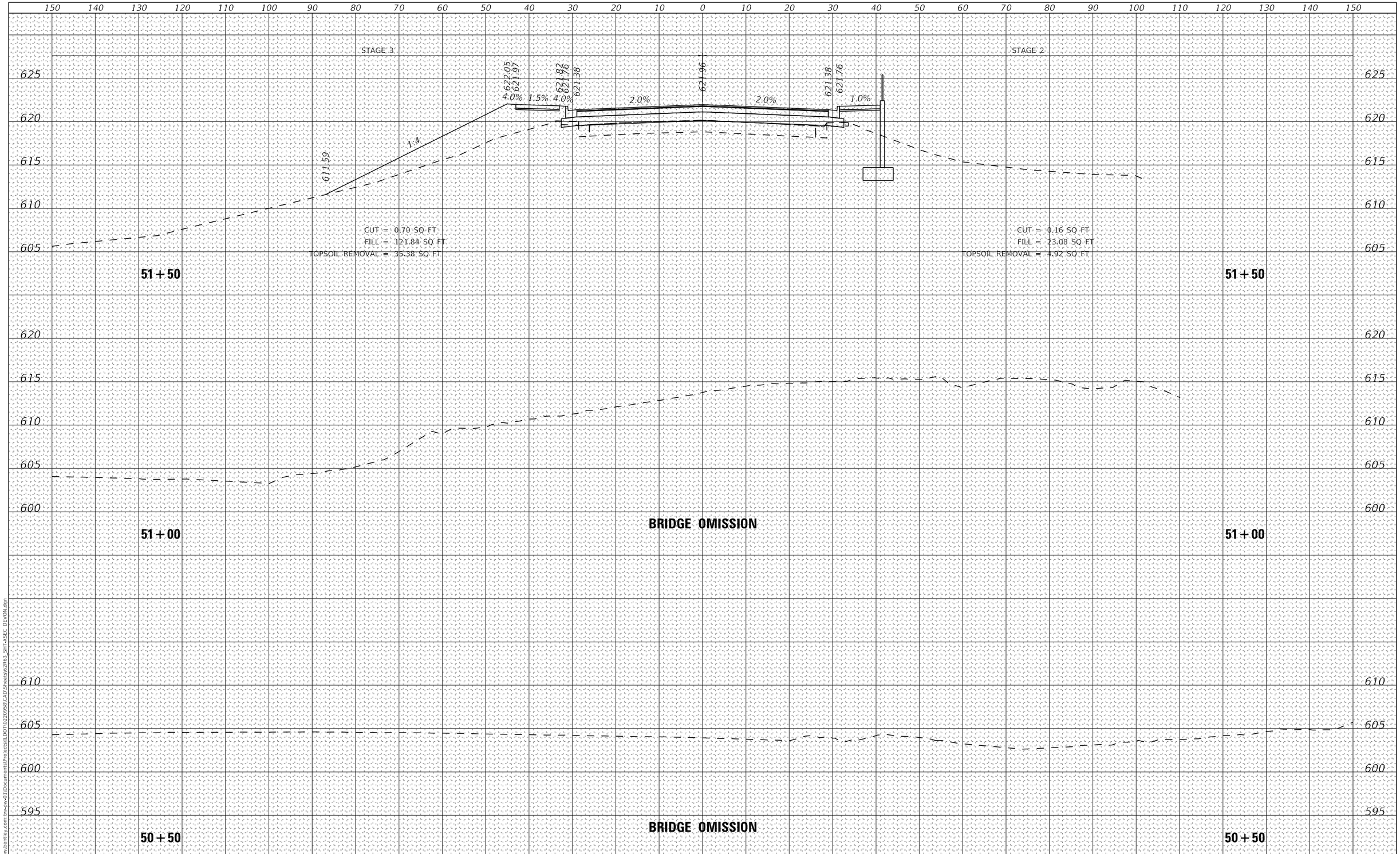
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 13 OF 22 SHEETS | STA. 49+00 TO STA. 50+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	256
		CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



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BAXTER & WOODMAN Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

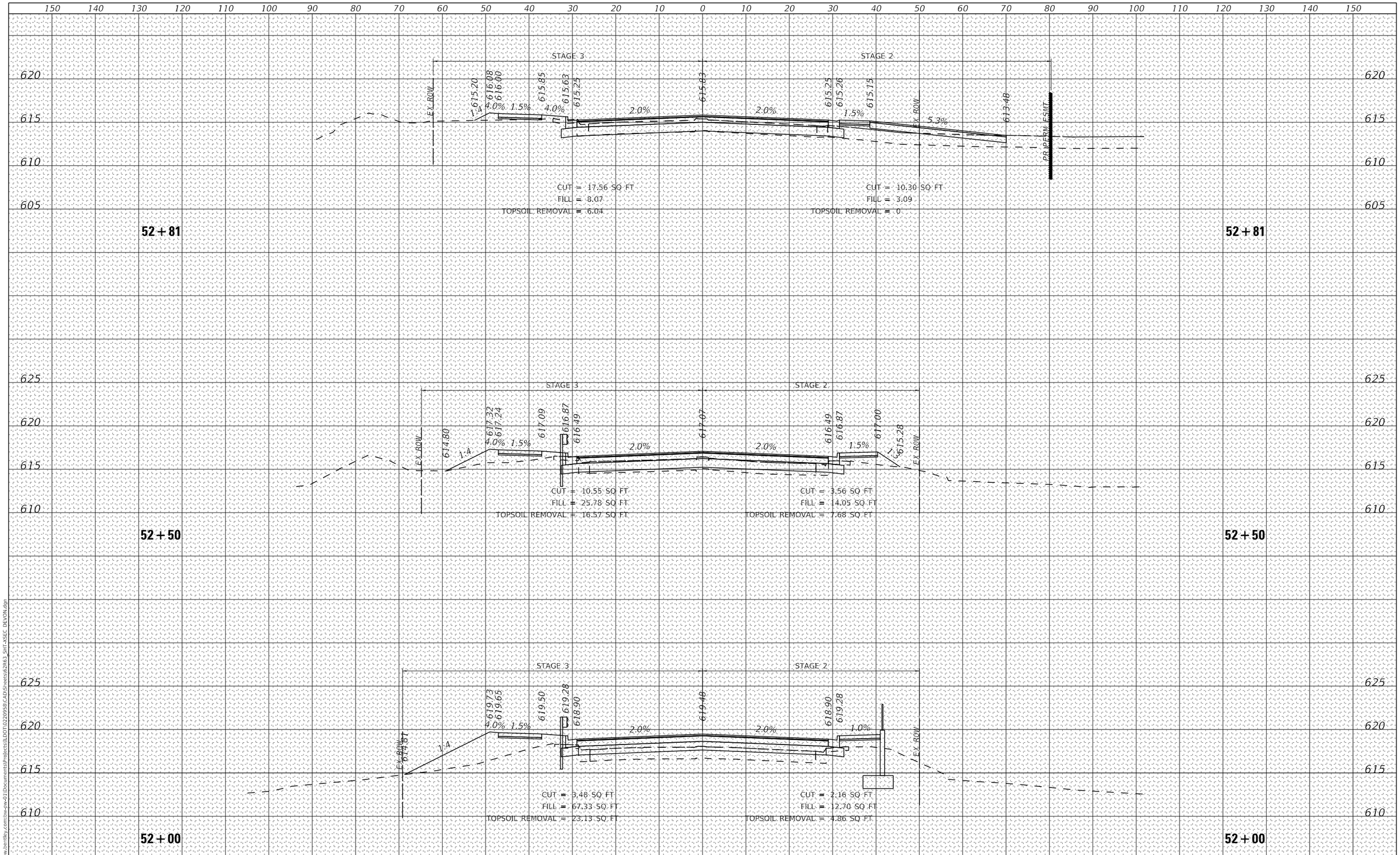
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 14 OF 22 SHEETS | STA. 50+50 TO STA. 51+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	257

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



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BAXTER & WOODMAN Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

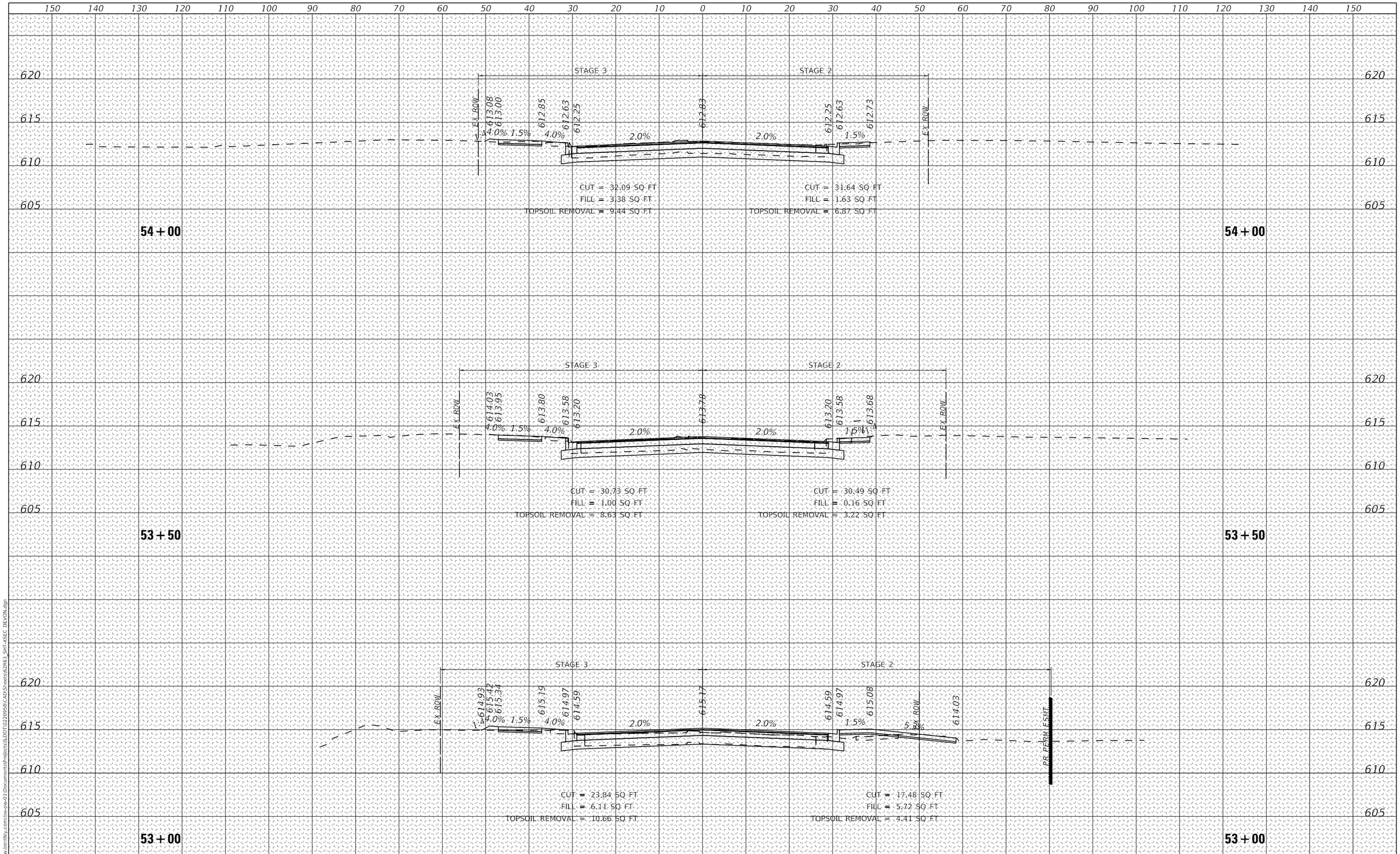
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 15 OF 22 SHEETS | STA. 52+00 TO STA. 52+81

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	258

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



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BAXTER & WOODMAN Consulting Engineers

USER NAME = cstoczynski	DESIGNED - CMS	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

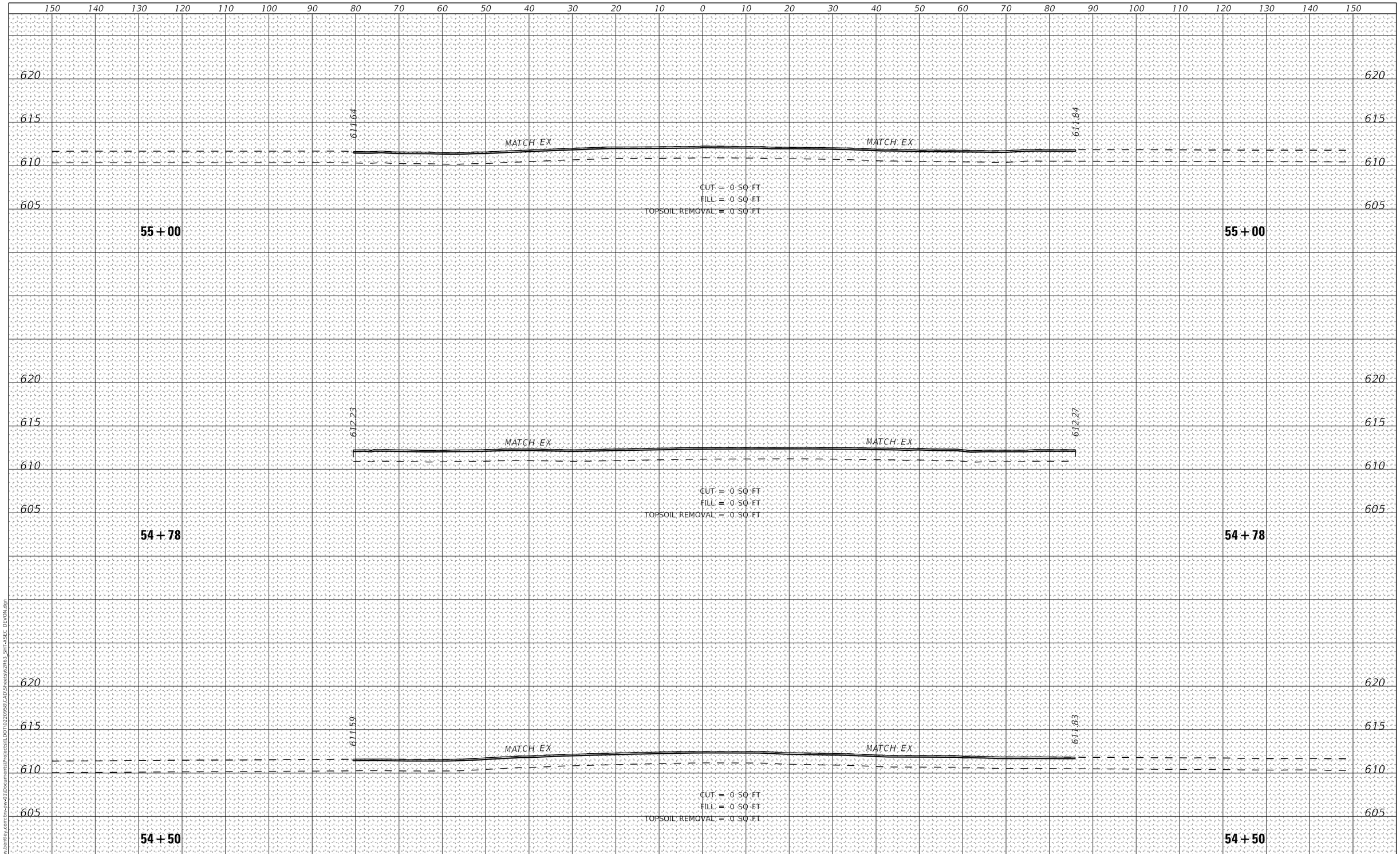
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 16 OF 22 SHEETS | STA. 53+00 TO STA. 54+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	259

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



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BAXTER & WOODMAN Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

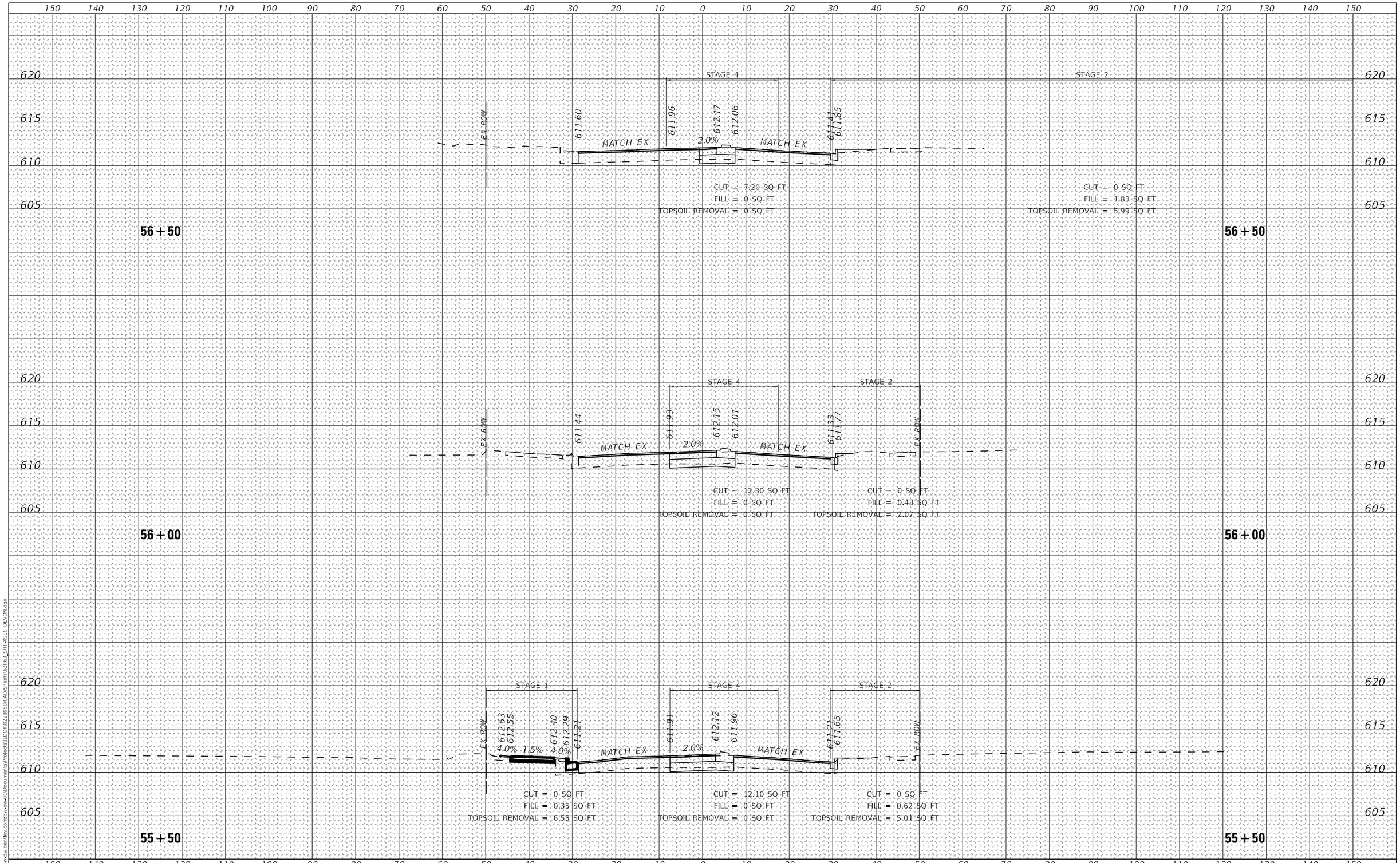
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 17 OF 22 SHEETS | STA. 54+50 TO STA. 55+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	260

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



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BAXTER & WOODMAN Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

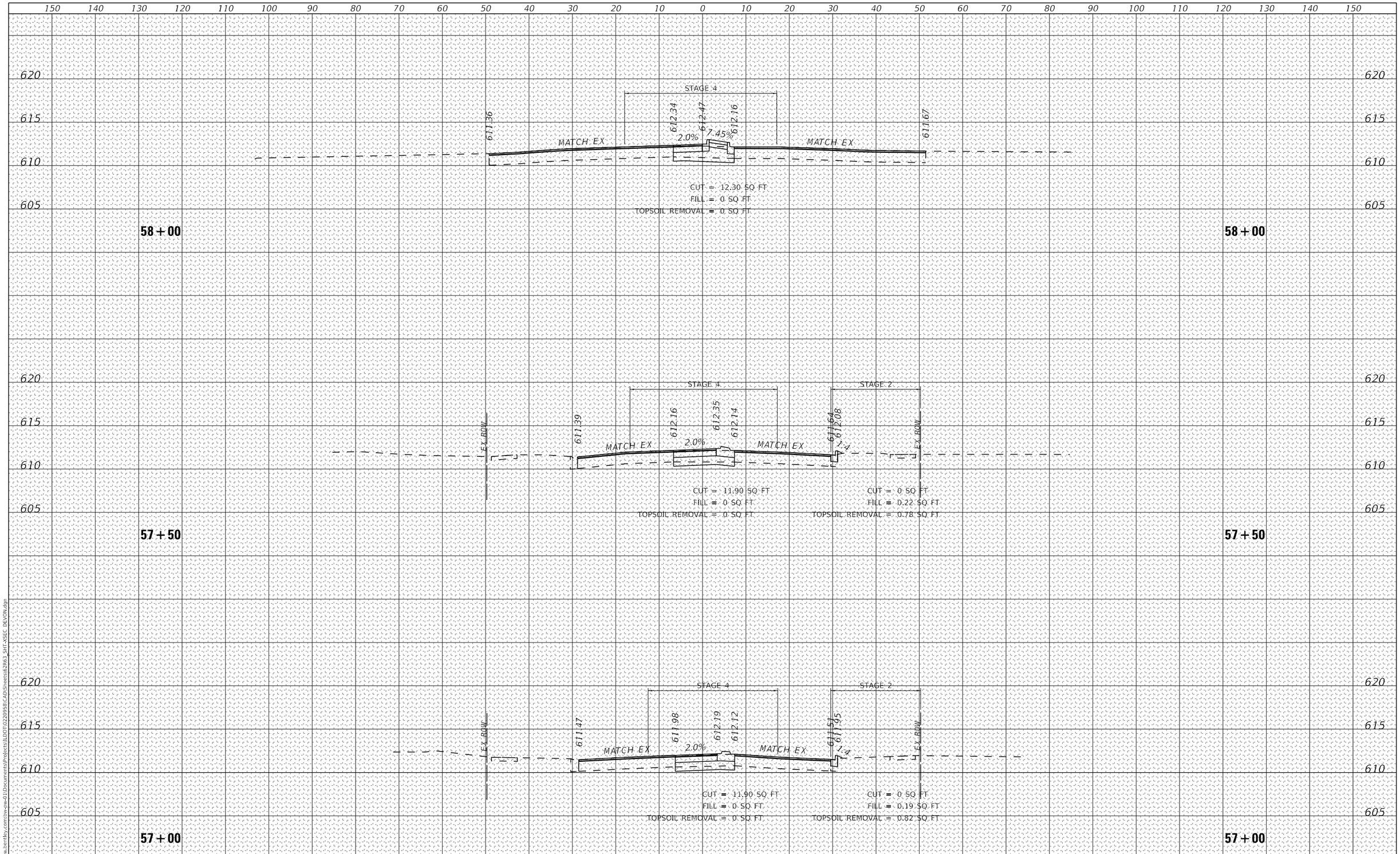
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 18 OF 22 SHEETS | STA. 55+50 TO STA. 56+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	261

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



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BAXTER & WOODMAN
Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

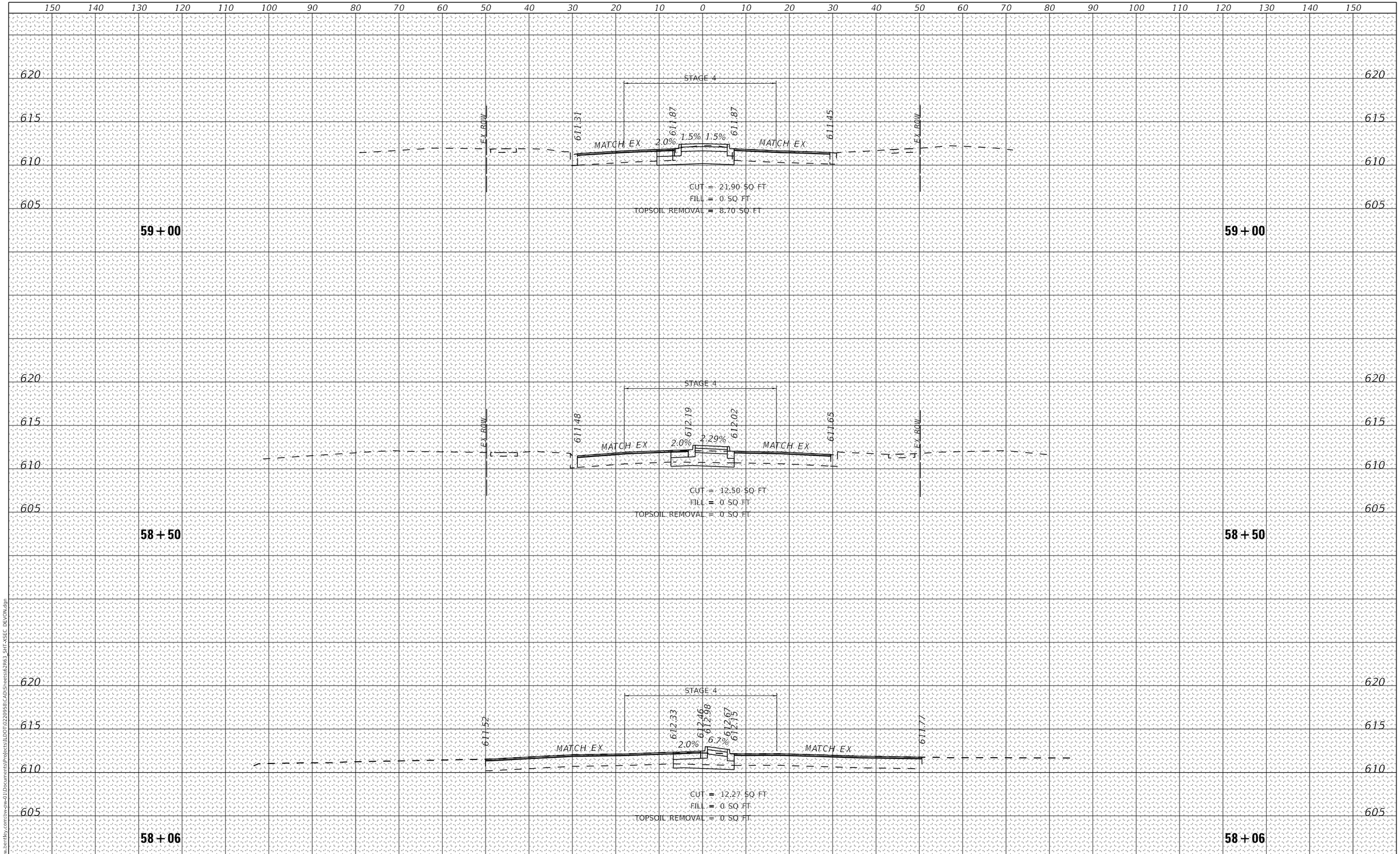
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 19 OF 22 SHEETS | STA. 57+00 TO STA. 58+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	262

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



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BAXTER & WOODMAN
Consulting Engineers

USER NAME = cstoczynski	DESIGNED - CMS	REVISED -	
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PLOT DATE = 8/11/2025	DATE - 8-11-2025	FILE - 62R63_SHT-XSEC DEVON.dgn	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

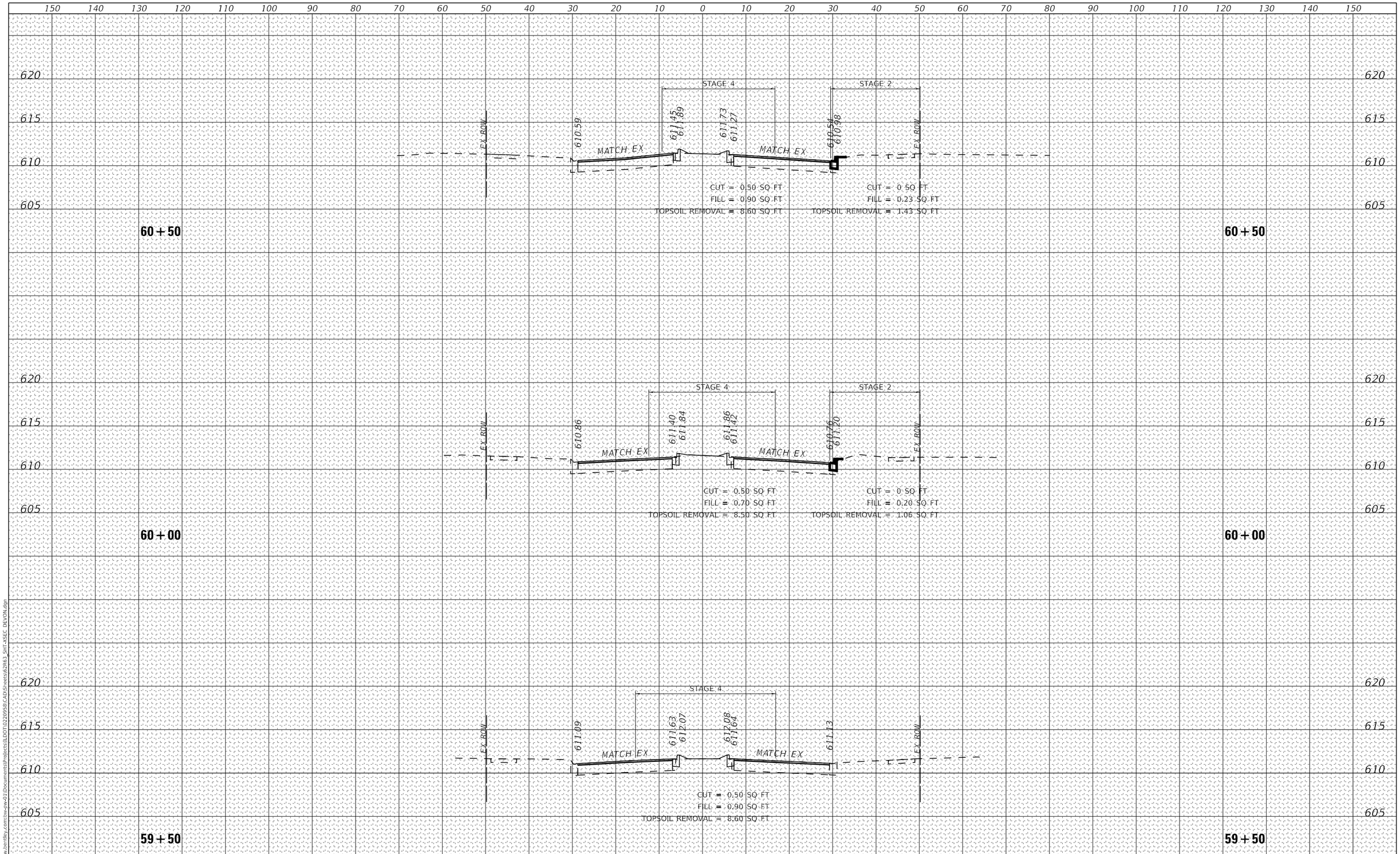
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 20 OF 22 SHEETS | STA. 58+06 TO STA. 59+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	263

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

USER NAME = cstoczynski	DESIGNED - CMS	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

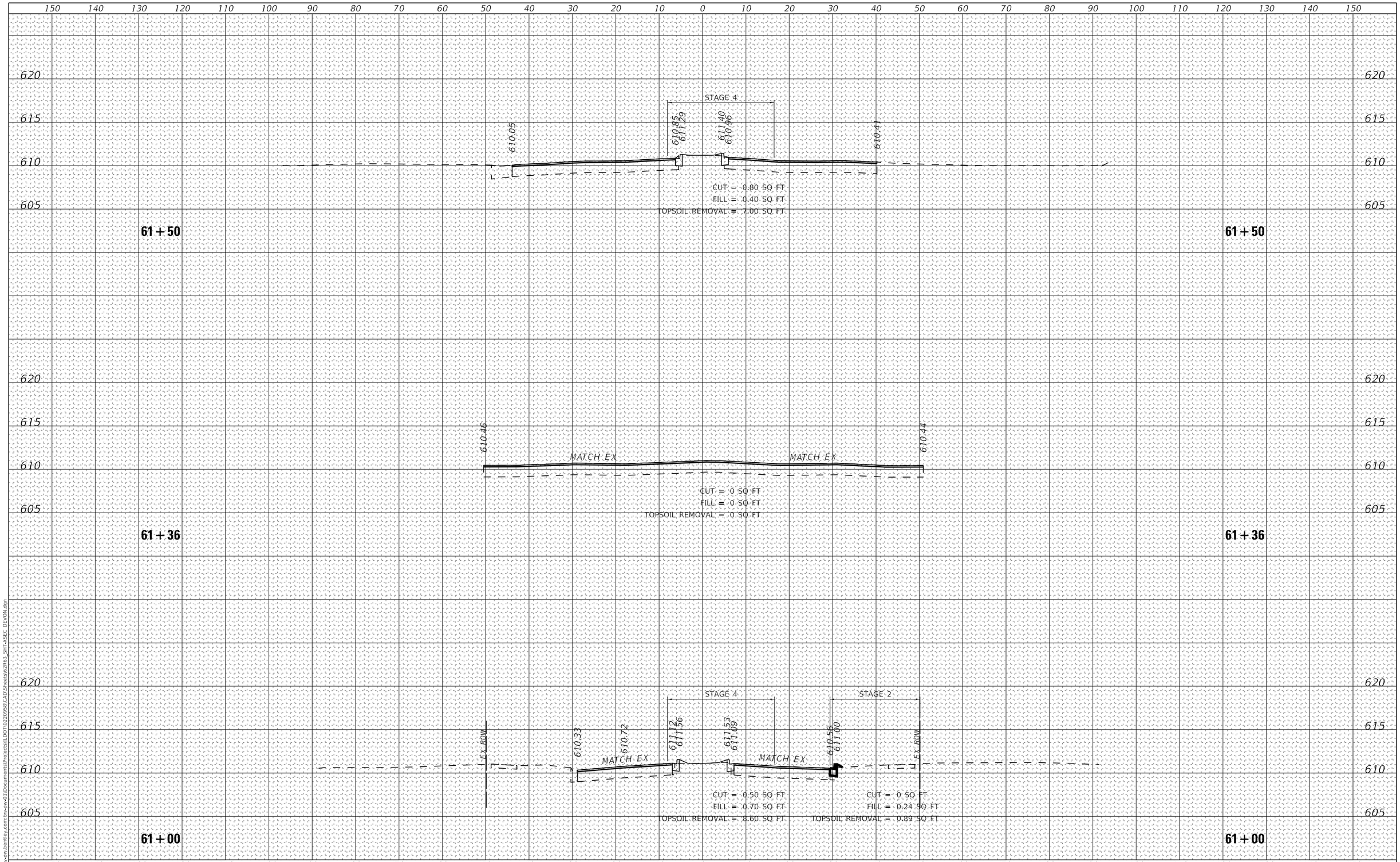
CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 21 OF 22 SHEETS | STA. 59+50 TO STA. 60+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	264

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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USER NAME = cstoczynski	DESIGNED - CMS	REVISED -	
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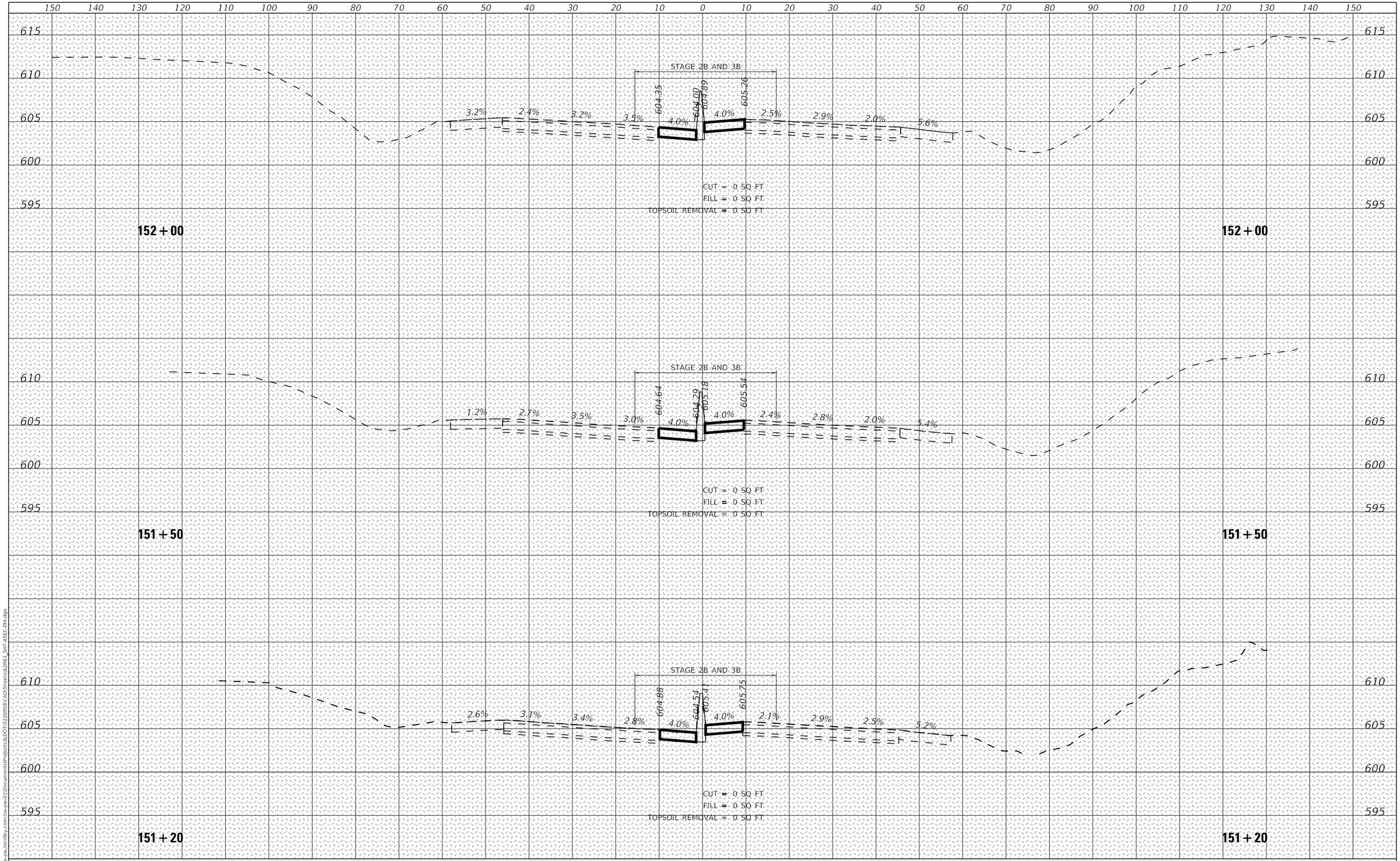
PLOT DATE = 8/11/2025	DATE - 8-11-2025	FILE - 62R63_SHT-XSEC DEVON.dgn	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
DEVON AVENUE

SCALE: H:1"=10' V:1"=5' | SHEET 22 OF 22 SHEETS | STA. 61+00 TO STA. 61+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	265
		CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
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BAXTER & WOODMAN Consulting Engineers

USER NAME = cstoczynski	DESIGNED - CMS	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

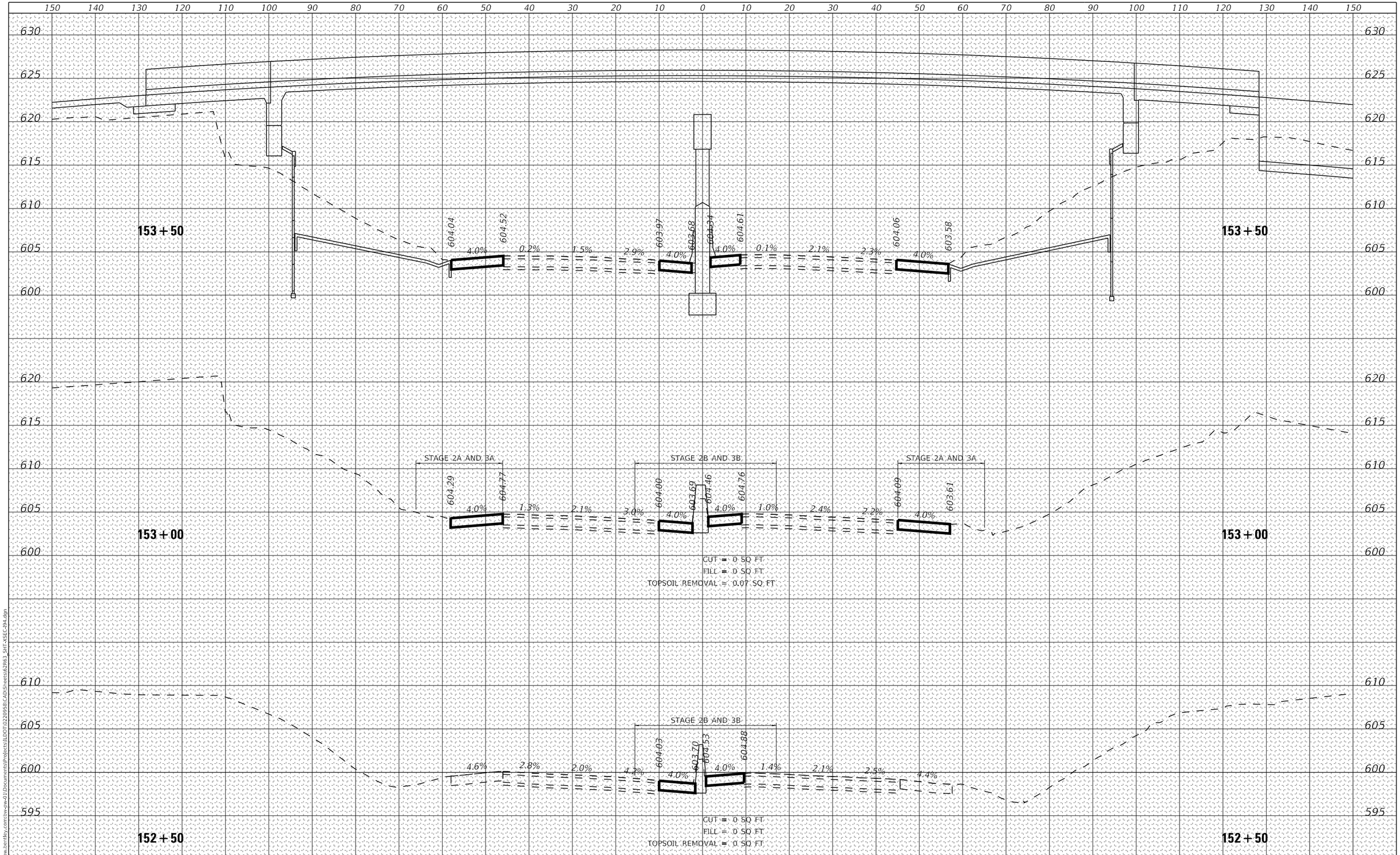
CROSS SECTIONS
I-94 (EDENS EXPRESSWAY)

SCALE: H:1"=10' V:1"=5' | SHEET 1 OF 3 SHEETS | STA. 151+20 TO STA. 152+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	266

CONTRACT NO. 62R63

ILLINOIS | FED. AID PROJECT



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM - LICENSE NO. - 184-001122 - EXPIRES 4/30/2020
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BAXTER & WOODMAN Consulting Engineers

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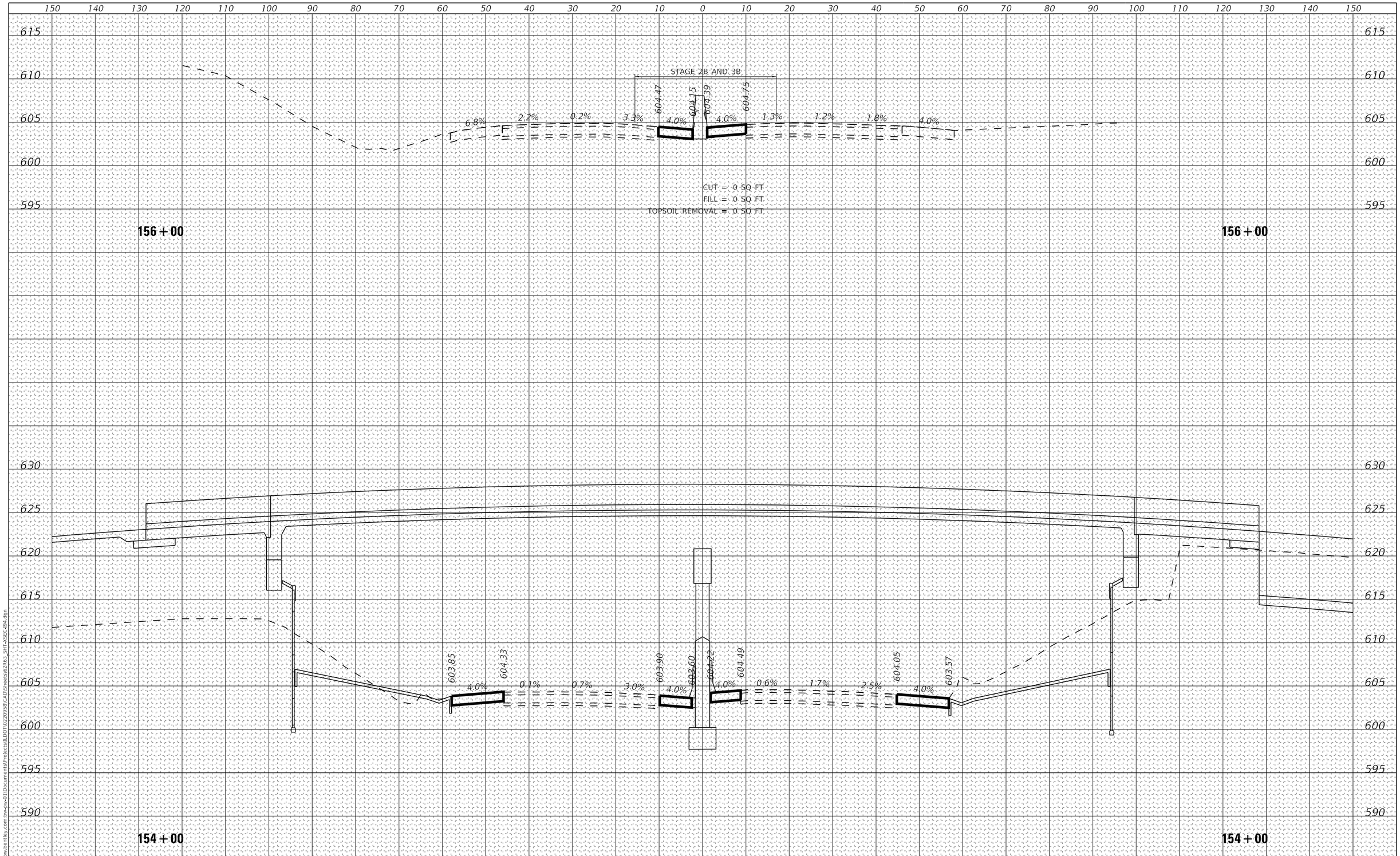
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
I-94 (EDENS EXPRESSWAY)

SCALE: H:1"=10' V:1"=5' | SHEET 2 OF 3 SHEETS | STA. 152+50 TO STA. 153+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	267
		CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

USER NAME = cstoczynski	DESIGNED - CMS	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
I-94 (EDENS EXPRESSWAY)

SCALE: H:1"=10' V:1"=5' | SHEET 3 OF 3 SHEETS | STA. 154+00 TO STA. 156+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1349	FAI 94 22 STRUCTURE 1	COOK	268	268
		CONTRACT NO. 62R63		
		ILLINOIS	FED. AID PROJECT	