

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2)B-1	WAYNE	52	1
ILLINOIS CONTRACT NO. 74648				

D-97-007-14



FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT: 3250 (2023)

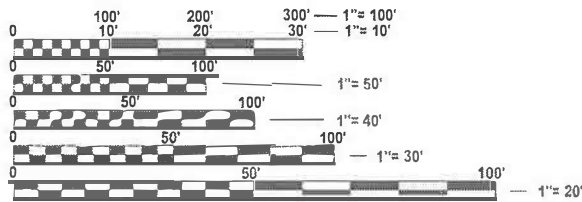
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 821 (ILL 15)
SECTION (19B2)B-1

**CULVERT REPLACEMENT
WAYNE COUNTY**

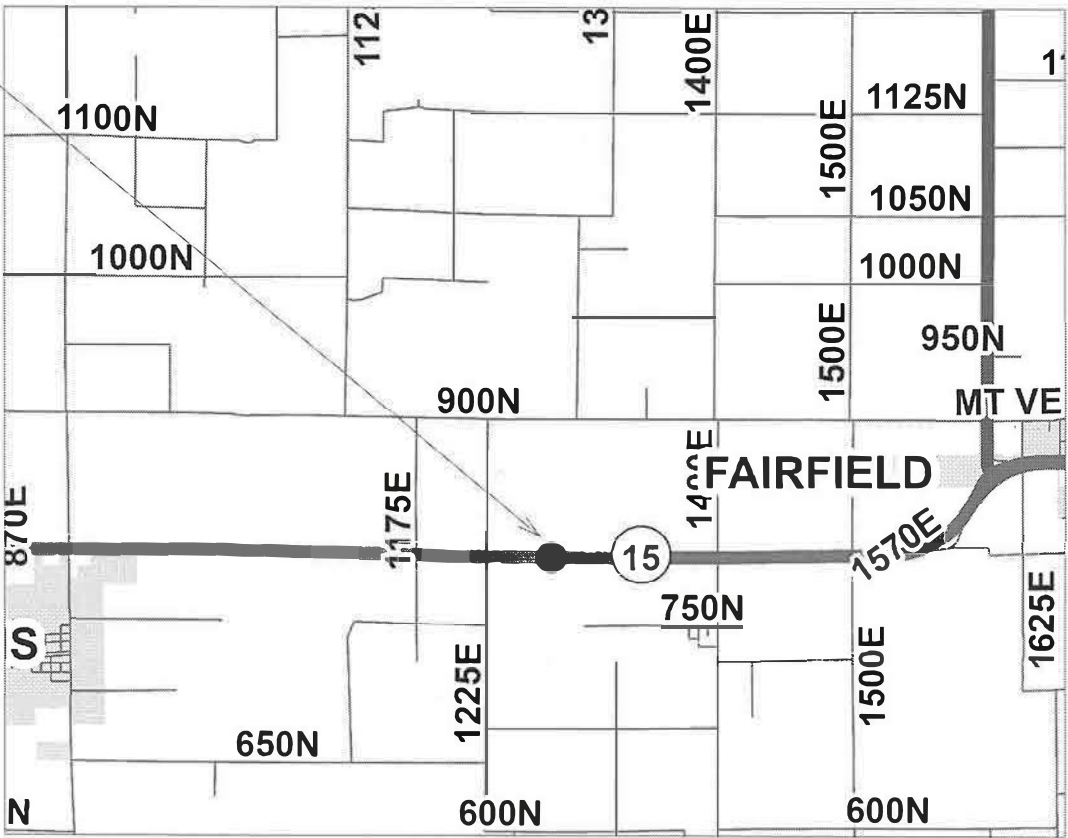
C-97-015-14

PR S.N. 096-2013
EX S.N. 096-2000
STA. 296+84.00
PROJECT BEGINS: STA. 293+87
PROJECT ENDS: STA. 300+24.3



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

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



GROSS LENGTH = 637.3 FT. = 0.121 MILE
NET LENGTH = 637.3 FT. = 0.121 MILE

PROJECT ENGINEER: MATT BOWER
PROJECT MANAGER: KALEB HIRTZEL
PHONE: (217) 342-8256

CONTRACT NO. 74648

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MARCH 18 2025
Lora Rening REGIONAL ENGINEER

May 9 2025
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

May 9 2025
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES & HIGHWAY STANDARDS
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5 - 6	TYPICAL SECTIONS
7 - 8	SCHEDULES OF QUANTITIES
9 - 10	PLAN SHEETS
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39 - 52	CROSS SECTIONS

GENERAL NOTES

ACCESS TO THE FIELD ENTRANCE AT STATION 297+43.6 RT SHALL BE MAINTAINED THROUGHOUT THE PROJECT.

TREES THREE (3) INCHES IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH SEPTEMBER 30TH OF ANY GIVEN YEAR.

NO TREE CLEARING BEYOND 100 FEET OF THE EDGE OF PAVEMENT OR RAILROAD WILL OCCUR.

SHOULD THE PROJECT REQUIRE TEMPORRAY OR PERMANENT LIGHTING, ALL LIGHTING SHALL BE INSTALLED IN ACCORDANCE WITH FEDERAL HIGHWAY ADMINISTRATION GUIEDE FOR BATS WHICH RECOMMENDS THAT LIGHTING DOES NOT INCREASE ILLUMINATION ABOVE AMBIENT CONDITIONS AND THAT INCORPORATES FULL CUT OFF, DOWNWARD FACING LIGHTS DIRECTED AWAY FROM FORESTED AREAS.

THE FOLLOWING APPLICATION RATES WERE USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE BASE COURSE AND SURFACE COURSE2.05 TONS/CU YD

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:							
LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM
10" HMA BSE CRSE	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QCQA
10" HMA BSE CRSE	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (LOWER LIFTS)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	N70	QCQA

THE FOLLOWING HIGHWAY STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS:

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542411	SLOPED METAL END SECTIONS FOR PIPE CULVERTS 15"-60" DIAMETER
630001-13	STEEL PLATE BEAM GUARDRAIL
630101-11	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
642006-01	SHOULDER RUMBLE STRIPS, 8 IN.
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES &
HIGHWAY STANDARDS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2)B-1	WAYNE	52	2
CONTRACT NO. 74648				
		ILLINOIS	FED. AID PROJECT	

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

MODEL: GenNotes [Sheet]
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/12/2025	DATE -	REVISED -

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				100% STATE	
				CONSTR. CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BOX CULVERT	
				0010	
				S.N. 096-2013	
20200100	EARTH EXCAVATION	CU YD	297	297	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	390	390	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	116	116	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	46	46	
28000305	TEMPORARY DITCH CHECKS	FOOT	20	20	
28000500	INLET AND PIPE PROTECTION	EACH	1	1	
28100109	STONE RIPRAP, CLASS A5	SQ YD	501	501	
28200200	FILTER FABRIC	SQ YD	501	501	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	37	37	
35501300	HOT-MIX ASPHALT BASE COURSE, 4"	SQ YD	37	37	
35501324	HOT-MIX ASPHALT BASE COURSE, 10"	SQ YD	1236	1236	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	55	55	
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	281	281	
44000100	PAVEMENT REMOVAL	SQ YD	156	156	

				100% STATE	
				CONSTR. CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BOX CULVERT	
				0010	
				S.N. 096-2013	
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	210	210	
44004250	PAVED SHOULDER REMOVAL	SQ YD	401	401	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
50105220	PIPE CULVERT REMOVAL	FOOT	31	31	
50800105	REINFORCEMENT BARS	POUND	60270	60270	
50800515	BAR SPLICERS	EACH	192	192	
51500100	NAME PLATES	EACH	1	1	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	237	237	
54003000	CONCRETE BOX CULVERTS	CU YD	280	280	
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	76	76	
54260518	SLOPED METAL END SECTION, STANDARD 542411, 18" 1:6	EACH	2	2	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	265	265	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	312.5	312.5	
* 63000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	50	50	

* SPECIALTY ITEM

REV - MS

	USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					821	(19B2)B-1	WAYNE	52	3
		CHECKED -	REVISED -					CONTRACT NO. 74648				
	PLOT DATE = 3/10/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 2	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

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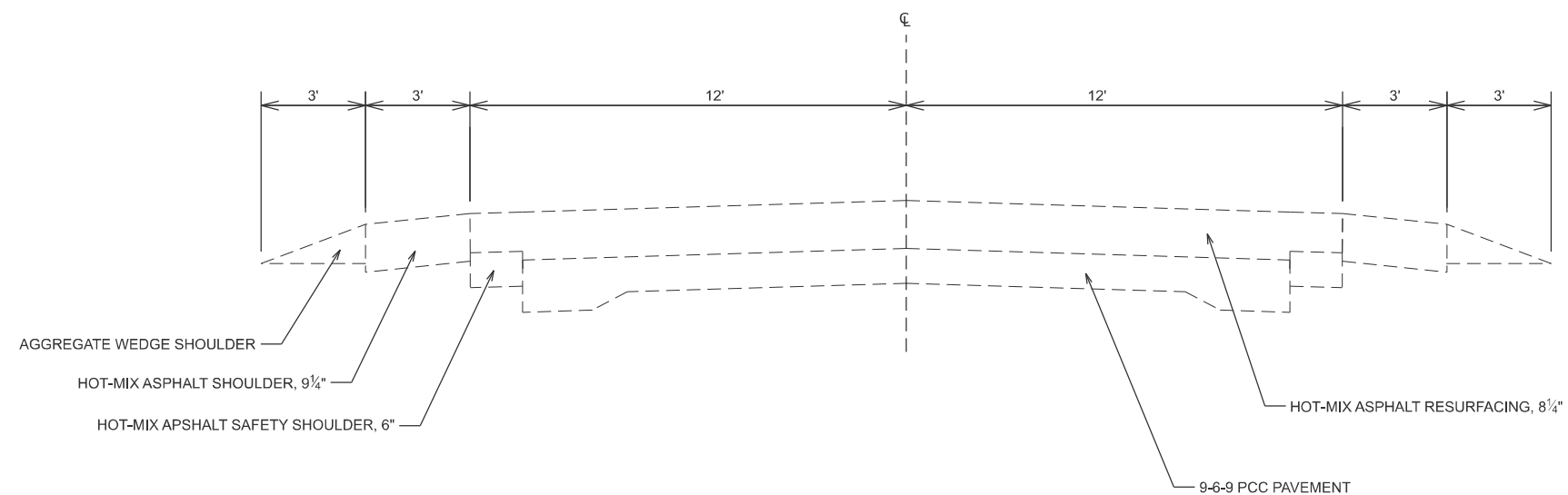
				100% STATE	
				CONSTR. CODE	
				BOX CULVERT	
				0010	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	S.N. 096-2013	
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	100	100	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3	
63200310	GUARDRAIL REMOVAL	FOOT	321	321	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	1072	1072	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	7	
67100100	MOBILIZATION	L SUM	1	1	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	1042	1042	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28	
70300150	SHORT TERM PAVFMENT MARKING REMOVAL	SQ FT	434	434	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	1827	1827	
* SPECIALTY ITEM					

				100% STATE	
				CONSTR. CODE	
				BOX CULVERT	
				0010	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	S.N. 096-2013	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	750	750	
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	75	75	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	400	400	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	4	
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1827	1827	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2	2	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	9	9	
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.25	0.25	
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	265	265	
* X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	37.5	37.5	
* SPECIALTY ITEM					

REV - MS

PLOT DATE = 3/12/2025	USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					821	(19B2)B-1	WAYNE	52	4
		CHECKED -	REVISED -					CONTRACT NO. 74648				
		DATE -	REVISED -		SCALE:	SHEET 2	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

EXISTING TYPICAL SECTION

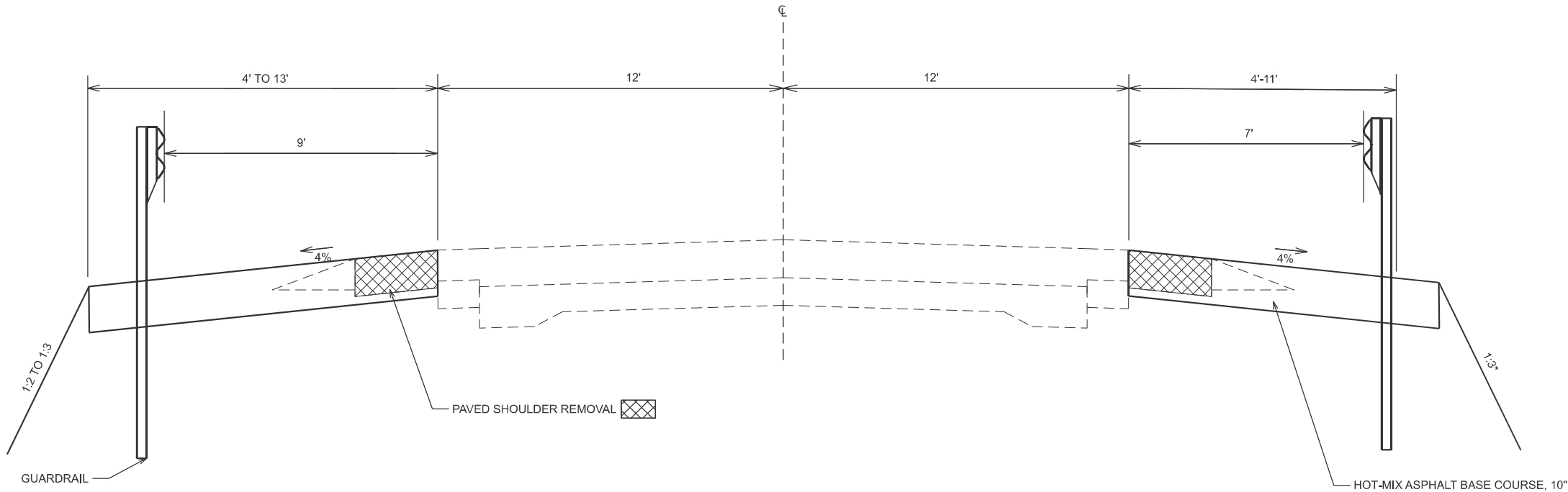


FILE NAME:	USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						821	(1982)B-1	WAYNE	52	5
		CHECKED -	REVISED -						CONTRACT NO. 74648				
	PLOT DATE = 3/3/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

PROPOSED TYPICAL SECTION

EASTBOUND:
STA. 294+28.2 TO STA. 296+26.8
STA. 297+37.1 TO STA. 299+45.0

WESTBOUND:
STA. 294+42.2 TO STA. 296+26.8
STA. 297+37.1 TO STA. 299+22.9

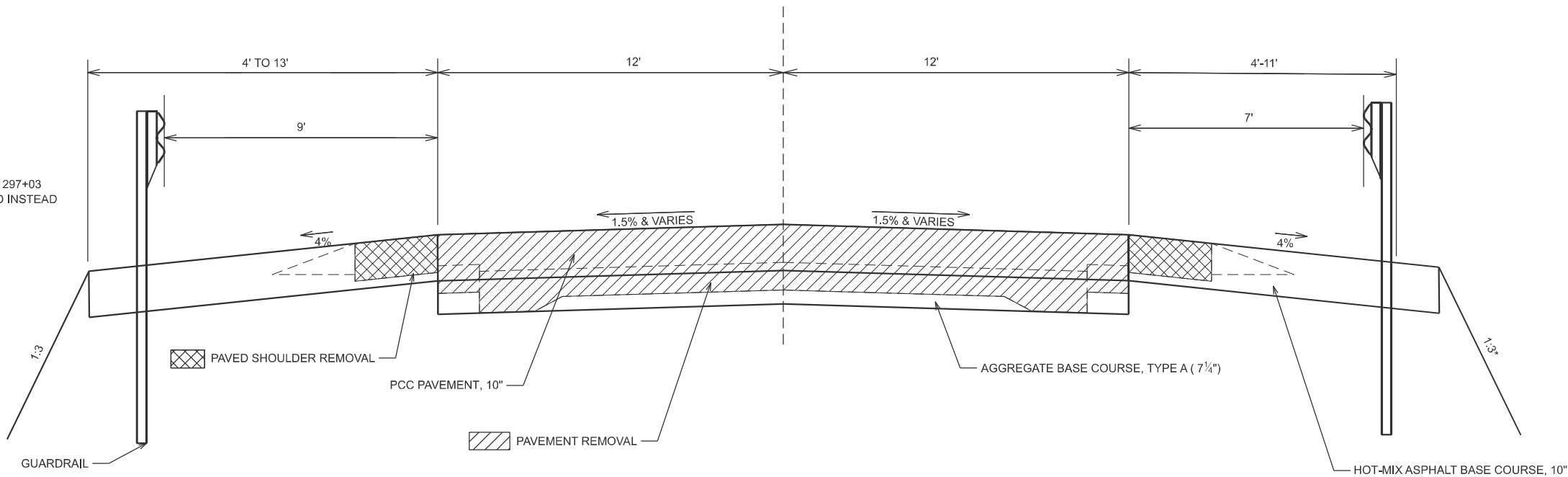


* 1:4 FROM STA. 297+53 TO STA. 299+22.9

PROPOSED TYPICAL SECTION

STA. 296+26.8 TO STA. 297+37.1*

* OVER EX SN 096-2000 FROM STA. 296+65 TO STA. 297+03
HOT-MIX ASPHALT SURFACE REMOVAL, 4" IS USED INSTEAD
OF PAVEMENT REMOVAL.



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	USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED -					CONTRACT NO. 74648				
	PLOT DATE = 3/3/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: Schedules-1 [Sheet]
FILE NAME: c:\p\p_work\pwork\hrtz\kld1023329\DT774648-sheets-Schedules.dgn

HMA BASE COURSE SCHEDULE				HOT-MIX ASPHALT BASE COURSE, 4"	HOT-MIX ASPHALT BASE COURSE, 10"
STATIONING		LENGTH	SIDE		
FROM	TO	FEET		SQ YD	SQ YD
PRE-STAGE					
294+28.2	294+48.2	20.0	LT	-	8.9
294+48.2	295+34.8	86.6	LT	-	81.8
295+34.8	295+69.8	35.0	LT	-	50.6
295+69.8	295+82.3	12.5	LT	-	17.4
295+82.3	296+31.7	49.4	LT	-	65.9
296+31.7	296+73.3	41.6	LT	-	41.6
296+73.3	297+10.5	37.2	LT	37.2	-
297+10.5	297+37.1	26.6	LT	-	26.6
297+37.1	298+57.3	120.2	LT	-	160.3
298+57.3	298+69.8	12.5	LT	-	17.4
298+69.8	299+04.8	35.0	LT	-	50.6
299+04.8	299+64.2	59.4	LT	-	53.1
297+53.0	290+54.5	101.5	RT	-	78.9
298+54.5	299+02.7	48.2	RT	-	29.5
299+02.7	299+22.9	20.2	RT	-	9.0
PRE-STAGE TOTALS:				37.2	691.4
STAGE 1 - IL 15					
293+87.0	294+38.0	51.0	RT	-	38.3
294+38.0	294+73.0	35.0	RT	-	42.8
294+73.0	294+93.4	20.4	RT	-	23.8
294+93.4	297+10.5	217.1	RT	-	241.2
297+10.5	297+53.0	42.5	RT	-	33.1
IL 15 TOTALS:				0.0	379.1
STAGE 1 - PR F.E. (IL 15 STATIONING)					
297+07.0	297+17.7	13.4	RT	-	15.0
297+17.7	297+10.5	30	RT	-	10.0
PR F F TOTAL S:				0.0	25.0
STAGE 1 TOTALS:				0.0	404.1
STAGE 2					
296+31.7	297+37.1	105.4	RT	-	140.5
STAGE 2 TOTALS:				0.0	140.5
PROJECT TOTALS:				37	1236

SHOULDER RUMBLE STRIPS SCHEDULE				SHOULDER RUMBLE STRIPS, 8 INCH
STATIONING		LENGTH	SIDE	
FROM	TO	FEET		
294+28.2	299+64.2	536.0	LT	536.0
293+87.0	299+22.9	535.9	RT	535.9
PROJECT TOTALS:				1072

PCC PAVEMENT SCHEDULE			AGGREGATE BASE COURSE, TYPE B	PORTLAND CEMENT CONCRETE PAVEMENT 10"
STATIONING		LENGTH		
FROM	TO	FEET	TON	SQ YD
STAGE 1				
296+31.7	297+37.1	105.4	18.6	140.6
STAGE 1 TOTALS:			18.6	140.6
STAGE 2				
296+31.7	297+37.1	105.4	18.6	140.6
STAGE 2 TOTALS:			18.6	140.6
PROJECT TOTALS:			37	281

PAVEMENT MARKING SCHEDULE			PAINT PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	RAISED REFLECTIVE PAVEMENT MARKERS
STATIONING		LENGTH			
FROM	TO	FEET	FEET	FEET	EACH
292+80	296+31.7	351.7	753.8	753.8	0
296+31.7	297+37.1	105.4	310.5	310.5	2
297+37.1	300+92	354.9	762.8	762.8	0
TOTALS:			1827	1827	2

ENTRANCE SCHEDULE		AGGREGATE SURFACE COURSE, TYPE B
STATION	SIDE	
TON		
PRE-STAGE		
297+93.4	RT	42.2
PRE-STAGE TOTAL:		42.2
STAGE 1		
297+43.6	RT	12.5
STAGE 1 TOTAL:		12.5
PROJECT TOTAL:		55

BOX CULVERT BACKFILL SCHEDULE		POROUS GRANULAR EMBANKMENT
STATIONING		
FROM	TO	
296+48.1	297+19.7	CU YD
TOTAL:		389.9
		390

GUARDRAIL SCHEDULE			STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	STRONG POST GUARDRAIL ATTACHED TO CULVERT	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 2	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A
STATIONING		SIDE	FEET	FEET	FOOT	FOOT	EACH	EACH	EACH	EACH
294+48.0	294+98.0	RT	-	-	-	-	1	-	1	-
294+98.0	296+35.5	RT	137.5	-	-	-	-	-	-	2
296+35.5	296+48.0	RT	-	12.5	-	-	-	-	-	0
296+48.0	296+98.0	RT	-	-	50	-	-	-	-	1
296+98.0	297+10.5	RT	-	12.5	-	-	-	-	-	0
297+10.5	297+19.5	RT	-	-	-	37.5	-	-	-	1
297+19.5	297+10.5	RT	-	-	-	-	-	1	-	-
295+44.8	295+94.8	LT	-	-	-	-	1	-	1	-
295+94.8	296+57.3	LT	62.5	-	-	-	-	-	-	1
296+57.3	296+69.8	LT	-	12.5	-	-	-	-	-	0
296+69.8	297+19.8	LT	-	-	50	-	-	-	-	1
297+19.8	297+32.3	LT	-	12.5	-	-	-	-	-	1
297+32.3	298+44.8	LT	112.5	-	-	-	-	-	-	2
299+19.8	298+94.8	LT	-	-	-	-	1	-	1	-
TOTALS:			312.5	50.0	100.0	37.5	3	1	3	9

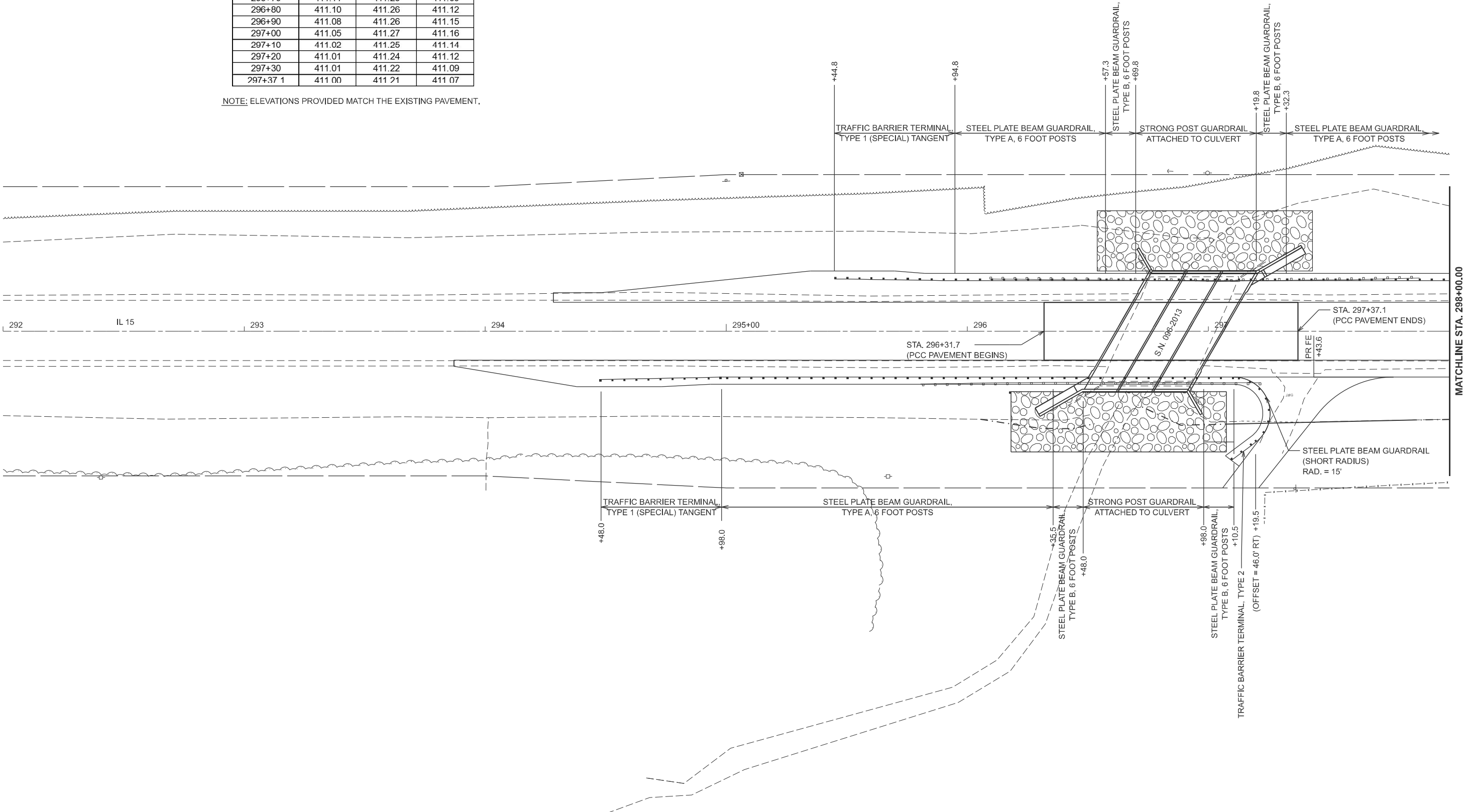
NOTE: FOR THE 4" PAVEMENT MARKINGS THERE IS 203' OF YELLOW AND 1624' OF WHITE.

THE RAISED REFLECTIVE PAVEMENT MARKERS ARE TWO-WAY AMBER.

	USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					821	(19B2)B-1	WAYNE	52	8
		CHECKED -	REVISED -					CONTRACT NO. 74648				
	PLOT DATE = 3/10/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

PCC PAVEMENT ELEVATIONS			
STATION	LT EOP FEET	C.L. FEET	RT EOP FEET
296+31.7	411.00	411.21	411.06
296+40	411.02	411.22	411.06
296+50	411.05	411.23	411.06
296+60	411.08	411.24	411.06
296+70	411.11	411.25	411.09
296+80	411.10	411.26	411.12
296+90	411.08	411.26	411.15
297+00	411.05	411.27	411.16
297+10	411.02	411.25	411.14
297+20	411.01	411.24	411.12
297+30	411.01	411.22	411.09
297+37.1	411.00	411.21	411.07

NOTE: ELEVATIONS PROVIDED MATCH THE EXISTING PAVEMENT.



MODEL: 15EOPRIDGE - IL 15 Plan-2 [Sheet]
FILE NAME: c:\pw\work\hirtzel\1023329\D774648-sheets-Plan.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/13/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

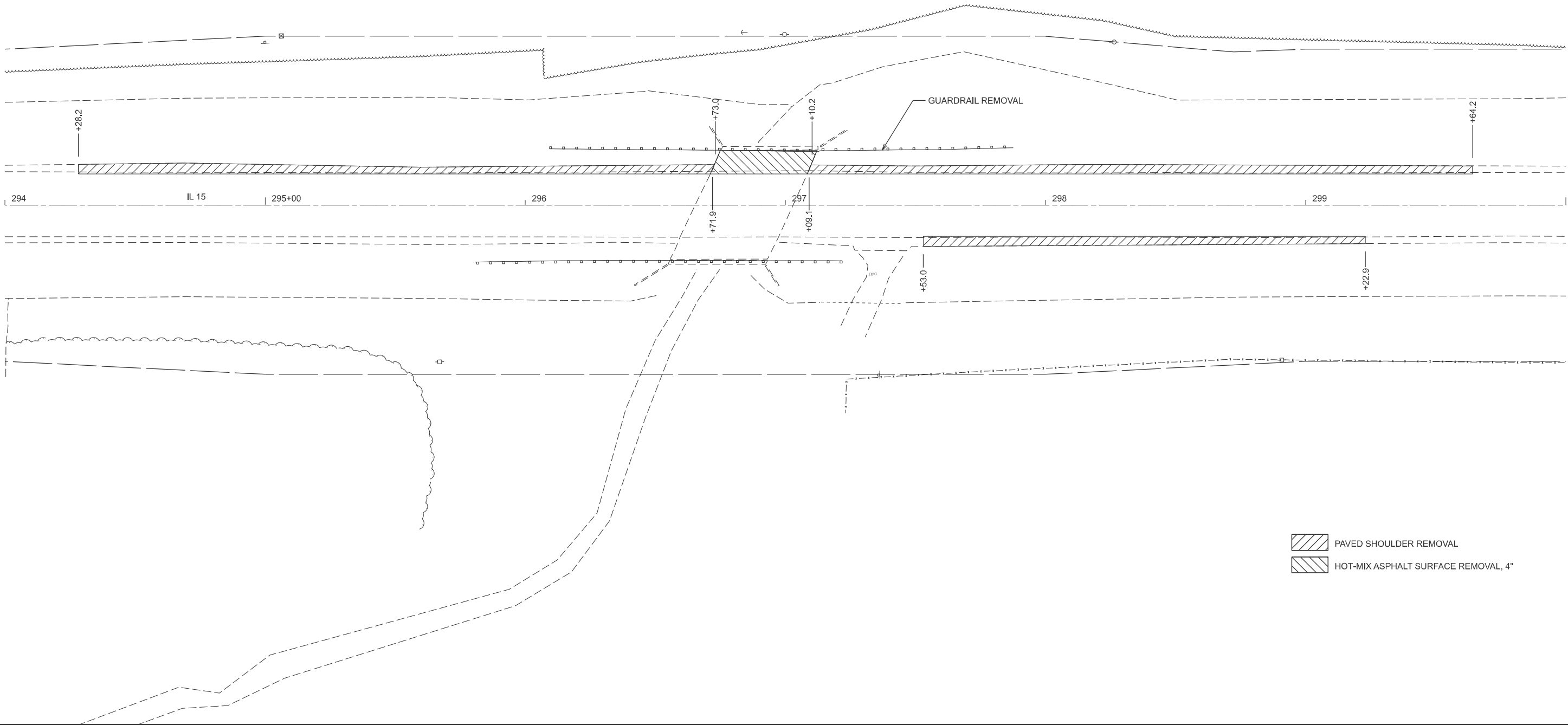
SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 292+00.00 TO STA. 298+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2)B-1	WAYNE	52	9
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				



MODEL: 15EOFBRIDGE - IL 15 Plan-1-1 [Sheet]

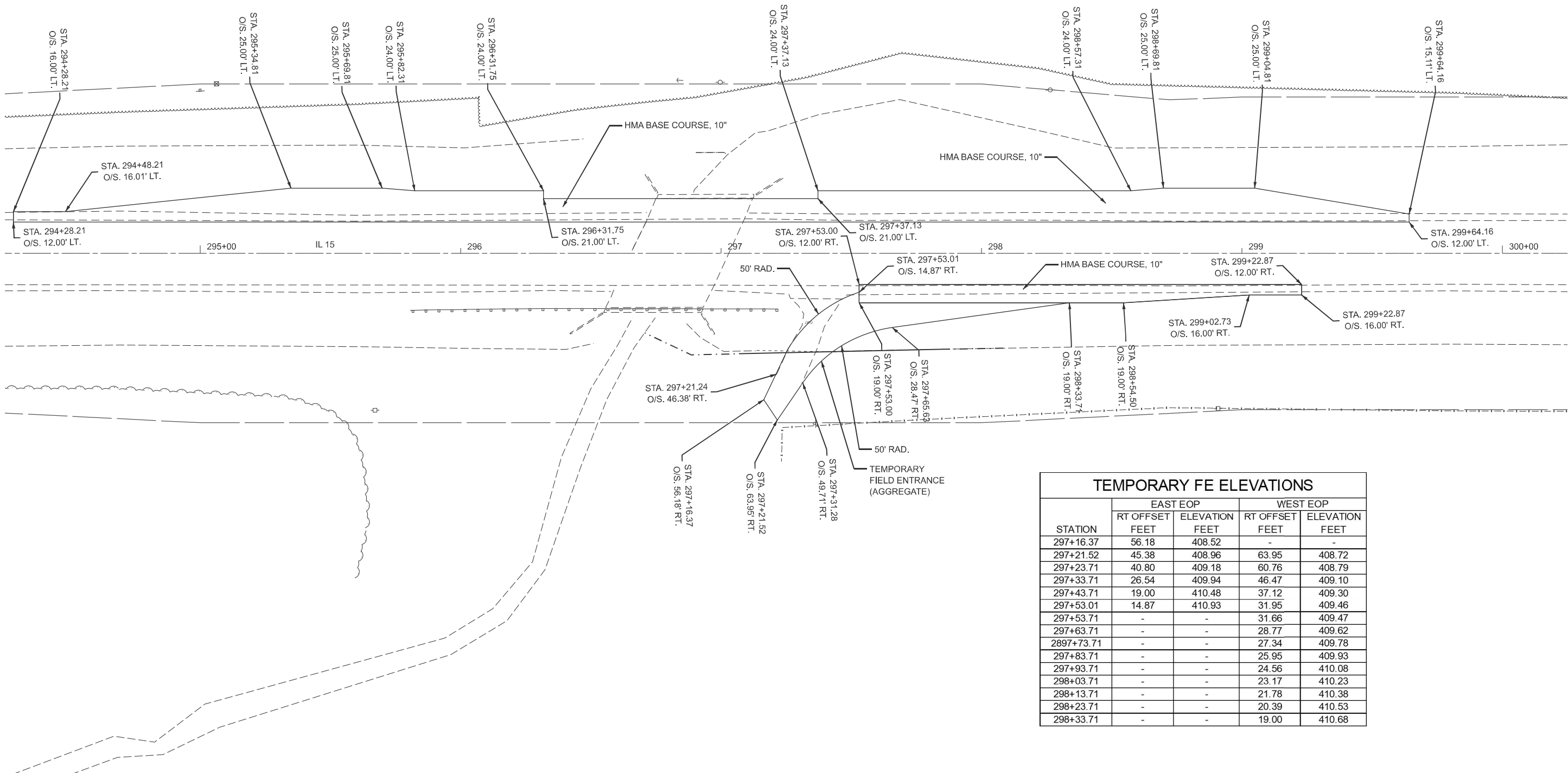
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/5/2025	DATE -	REVISED -



-  PAVED SHOULDER REMOVAL
-  HOT-MIX ASPHALT SURFACE REMOVAL, 4"

MODEL: 15ECPBRIDGE - Pre-Stage Removals [Sheet]
FILE NAME: c:\pwworking\hirtzel\1023329.D7\4648-sheets-Staging-PreStageRemovals.dgn

	USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLANS PRE-STAGE REMOVALS					F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							821	(19B2)B-1	WAYNE	52	11
		CHECKED -	REVISED -							CONTRACT NO. 74648				
	PLOT DATE = 3/5/2025	DATE -	REVISED -		SCALE: 1"=20'	SHEET 1	OF 11	SHEETS	STA. 294+00.00	TO STA. 300+00.00	ILLINOIS FED. AID PROJECT			



TEMPORARY FE ELEVATIONS				
STATION	EAST EOP		WEST EOP	
	RT OFFSET FEET	ELEVATION FEET	RT OFFSET FEET	ELEVATION FEET
297+16.37	56.18	408.52	-	-
297+21.52	45.38	408.96	63.95	408.72
297+23.71	40.80	409.18	60.76	408.79
297+33.71	26.54	409.94	46.47	409.10
297+43.71	19.00	410.48	37.12	409.30
297+53.01	14.87	410.93	31.95	409.46
297+53.71	-	-	31.66	409.47
297+63.71	-	-	28.77	409.62
2897+73.71	-	-	27.34	409.78
297+83.71	-	-	25.95	409.93
297+93.71	-	-	24.56	410.08
298+03.71	-	-	23.17	410.23
298+13.71	-	-	21.78	410.38
298+23.71	-	-	20.39	410.53
298+33.71	-	-	19.00	410.68

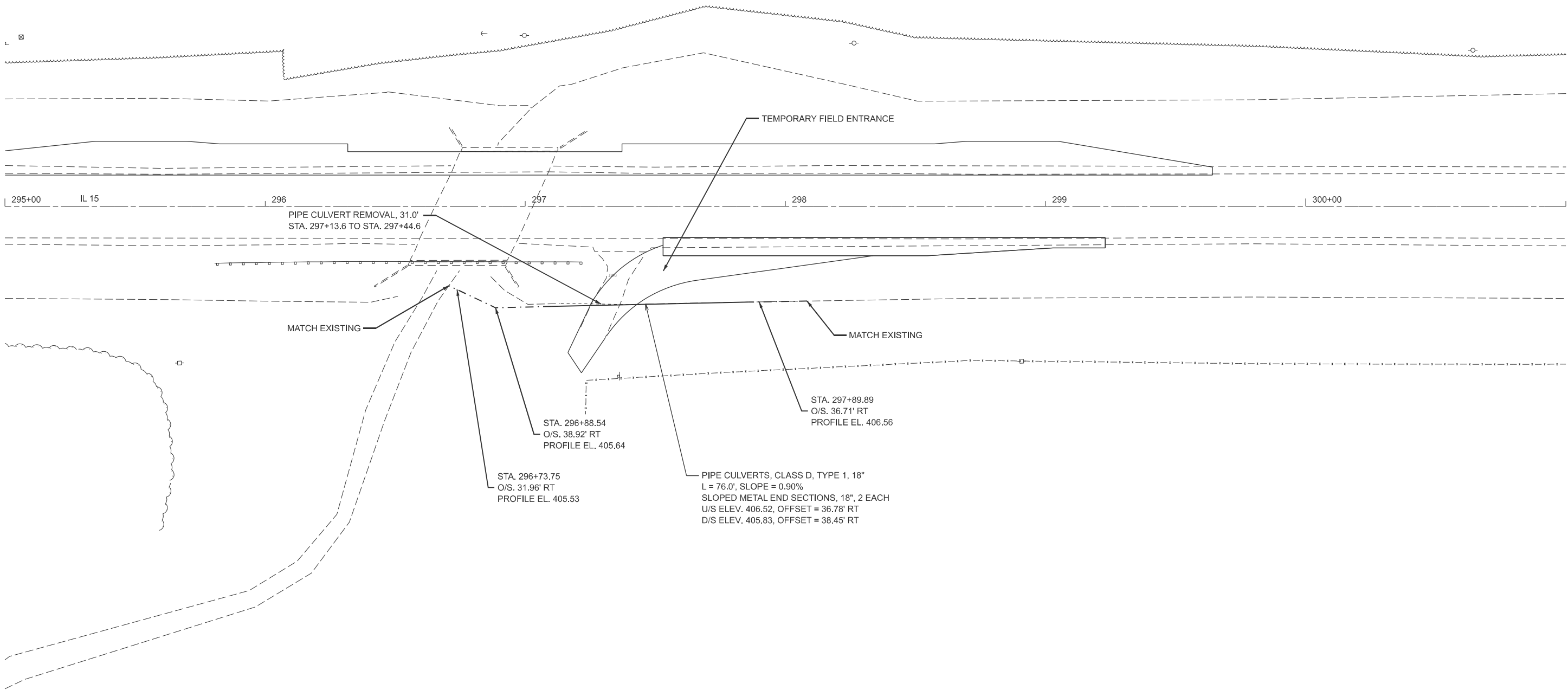
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USER NAME	= kaleb.hirtzel	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 3/11/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLANS PRE-STAGE PLAN SHEET			
SCALE: 1"=20'	SHEET 2	OF 11 SHEETS	STA. 294+25.00 TO STA. 300+25.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2)B-1	WAYNE	52	12
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				



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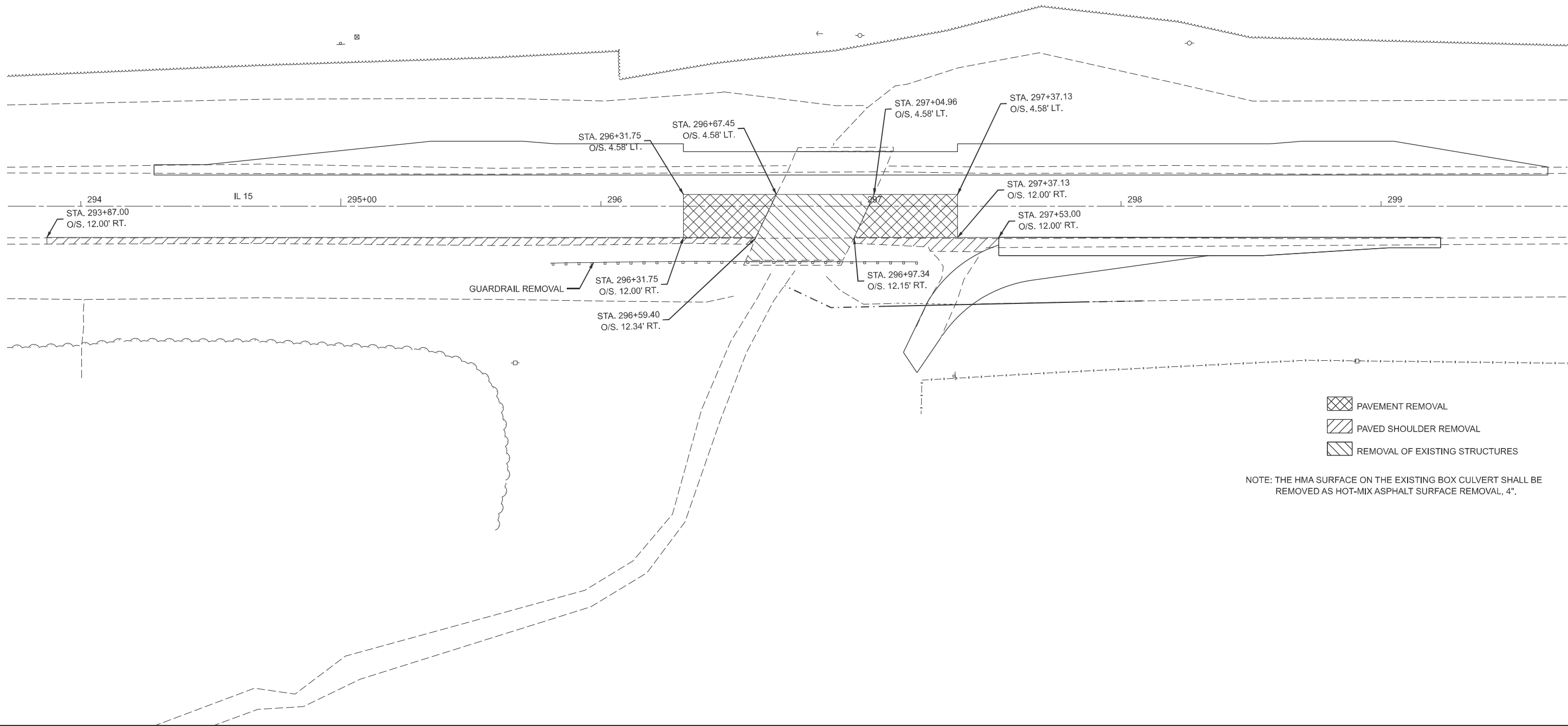
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		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 3/5/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLANS
PRE-STAGE DRAINAGE DETAILS

SCALE: 1"=20' SHEET 3 OF 11 SHEETS STA. 295+00.00 TO STA. 301+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2)B-1	WAYNE	52	13
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				

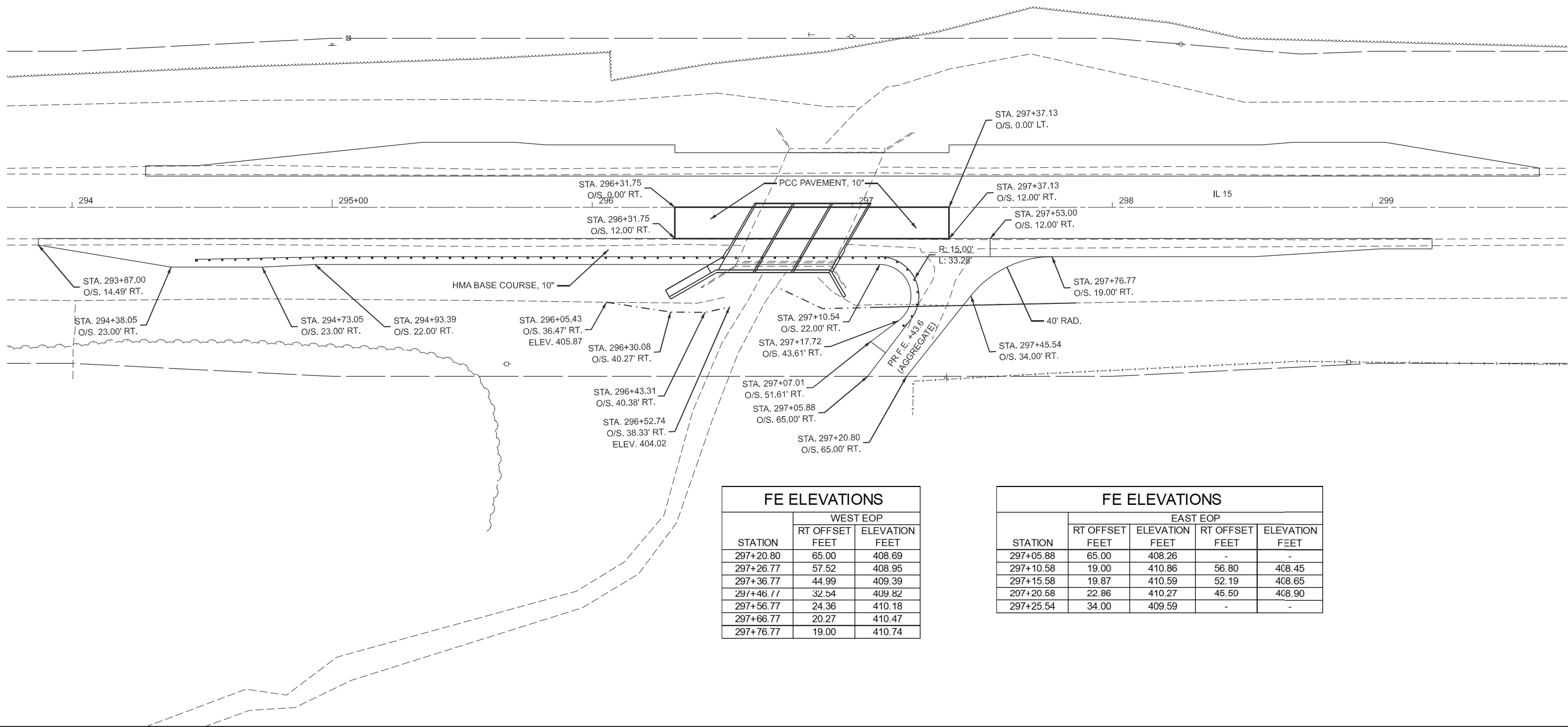


- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- REMOVAL OF EXISTING STRUCTURES

NOTE: THE HMA SURFACE ON THE EXISTING BOX CULVERT SHALL BE REMOVED AS HOT-MIX ASPHALT SURFACE REMOVAL, 4".

MODEL: 15ECPERIDGE - Stage 1 Removals (Sheet)
FILE NAME: c:\pwworking\hrtz\1023329.D\74648-sheets\Staging-Stage 1 Removal.dgn

	USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLANS STAGE 1 REMOVALS				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						821	(19B2)B-1	WAYNE	52	14
		CHECKED -	REVISED -					CONTRACT NO. 74648					
	PLOT DATE = 3/12/2025	DATE -	REVISED -		SCALE: 1"=20'	SHEET 4	OF 11	SHEETS	STA. 294+00.00	TO STA. 300+00.00		ILLINOIS FED. AID PROJECT	

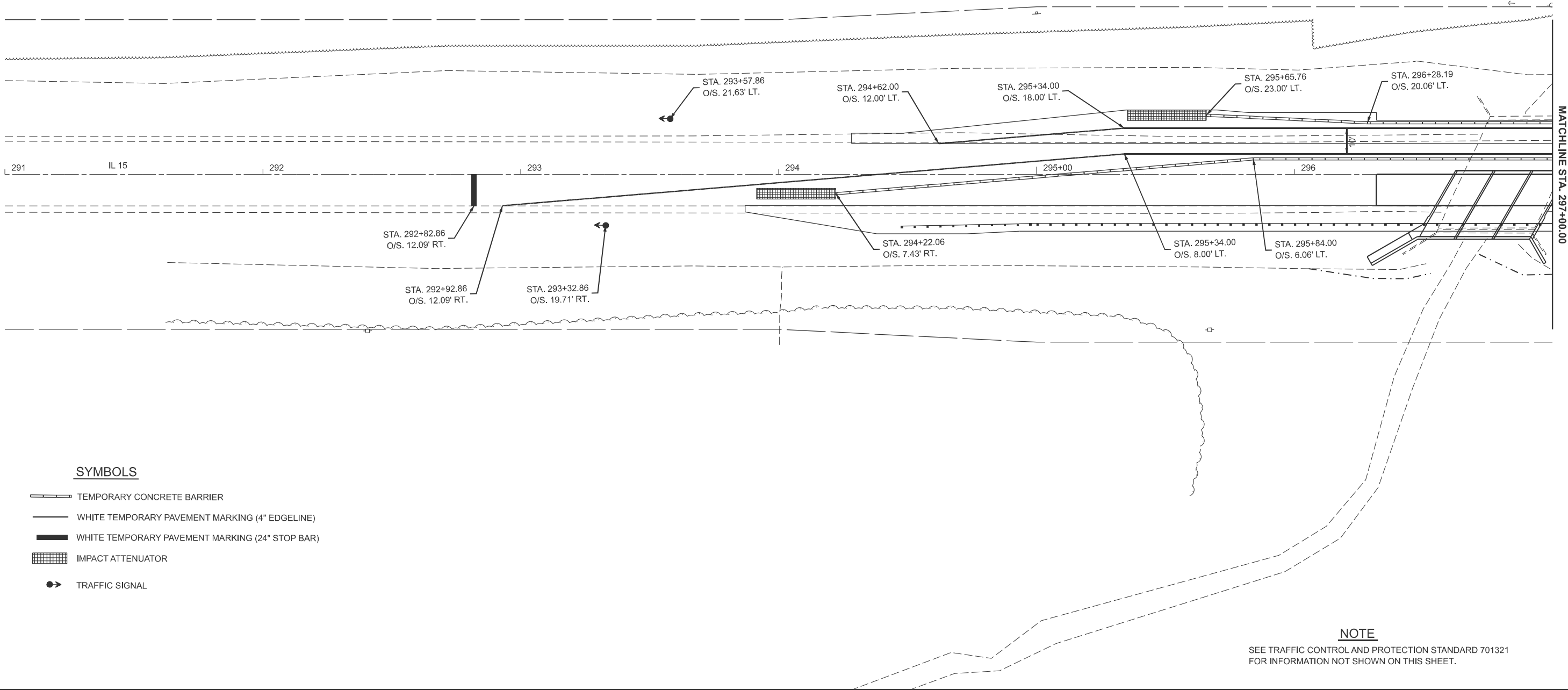


FE ELEVATIONS		
STATION	WEST EOP	
	RT OFFSET FEET	ELEVATION FEET
297+20.80	65.00	408.69
297+26.77	57.52	408.95
297+36.77	44.99	409.39
297+46.77	32.54	409.82
297+56.77	24.36	410.18
297+66.77	20.27	410.47
297+76.77	19.00	410.74

FE ELEVATIONS				
STATION	EAST EOP			
	RT OFFSET FEET	ELEVATION FEET	RT OFFSET FEET	ELEVATION FEET
297+05.88	65.00	408.26	-	-
297+10.58	19.00	410.86	56.80	408.45
297+15.58	19.87	410.59	52.19	408.65
297+20.58	22.86	410.27	45.50	408.90
297+25.54	34.00	409.59	-	-

	USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLANS STAGE 1 PLAN SHEET			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					821	(19B2)B-1	WAYNE	52	15
		CHECKED -	REVISED -					CONTRACT NO. 74648				
	PLOT DATE = 3/5/2025	DATE -	REVISED -		SCALE: 1"=20'	SHEET 5	OF 11 SHEETS	STA. 293+75.00	TO STA. 299+75.00	ILLINOIS FED. AID PROJECT		

MODEL: 15ECPERIDGE - Stage 1 Traffic Control [Sheet]
FILE NAME: c:\pwwork\kvhirtzel\id 023329\023329\15ECPERIDGE - Stage 1 Traffic Control.dgn



SYMBOLS

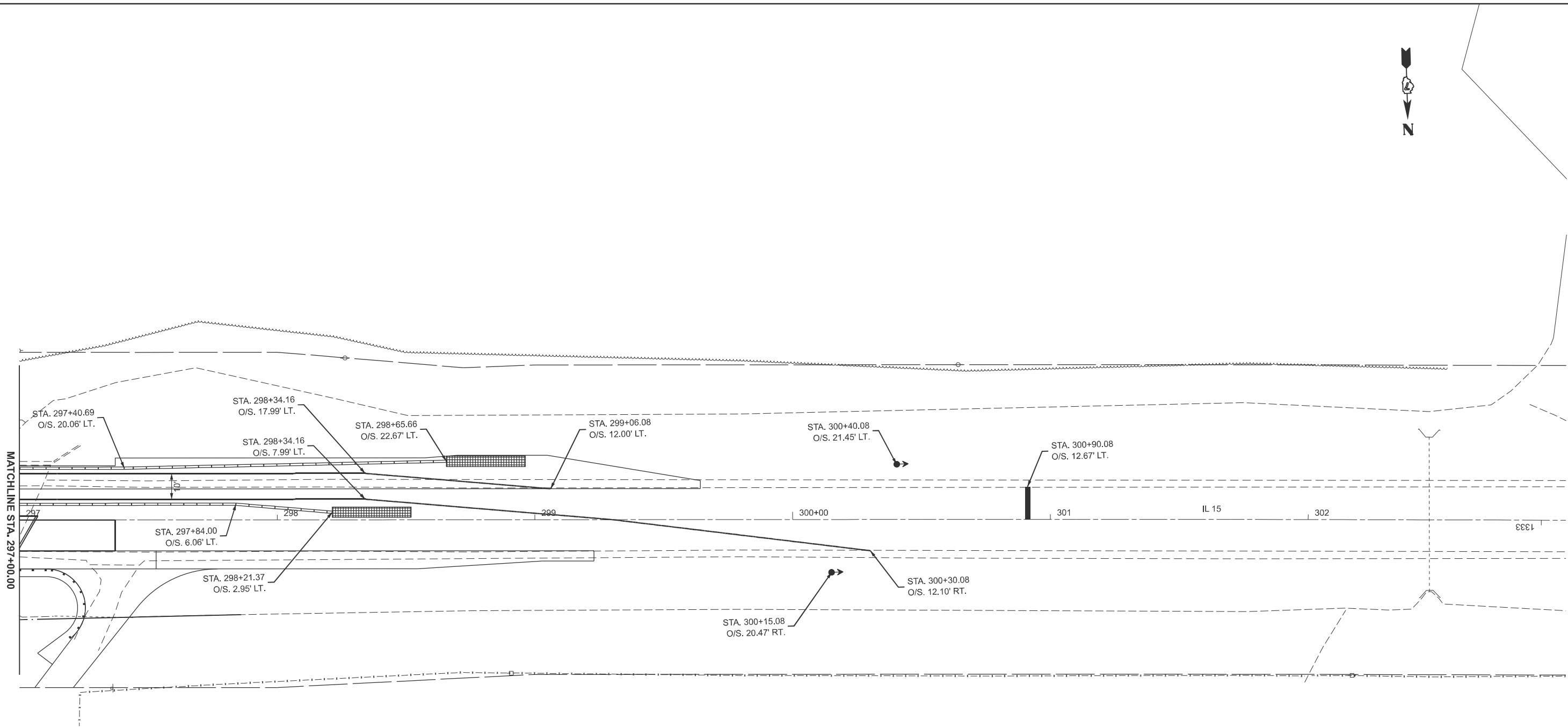
- TEMPORARY CONCRETE BARRIER
- WHITE TEMPORARY PAVEMENT MARKING (4" EDGELINE)
- WHITE TEMPORARY PAVEMENT MARKING (24" STOP BAR)
- IMPACT ATTENUATOR
- TRAFFIC SIGNAL

NOTE

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321
FOR INFORMATION NOT SHOWN ON THIS SHEET.

	USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLANS STAGE 1 TRAFFIC CONTROL DETAILS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						821	(19B2)B-1	WAYNE	52	16
		CHECKED -	REVISED -						CONTRACT NO. 74648				
	PLOT DATE = 3/5/2025	DATE -	REVISED -		SCALE: 1"=20'	SHEET 6	OF 11	SHEETS	STA. 291+00.00	TO STA. 297+00.00	ILLINOIS FED. AID PROJECT		

MODEL: 15ECPERIDGE - Stage 1 Traffic Control-1 (Sheet)
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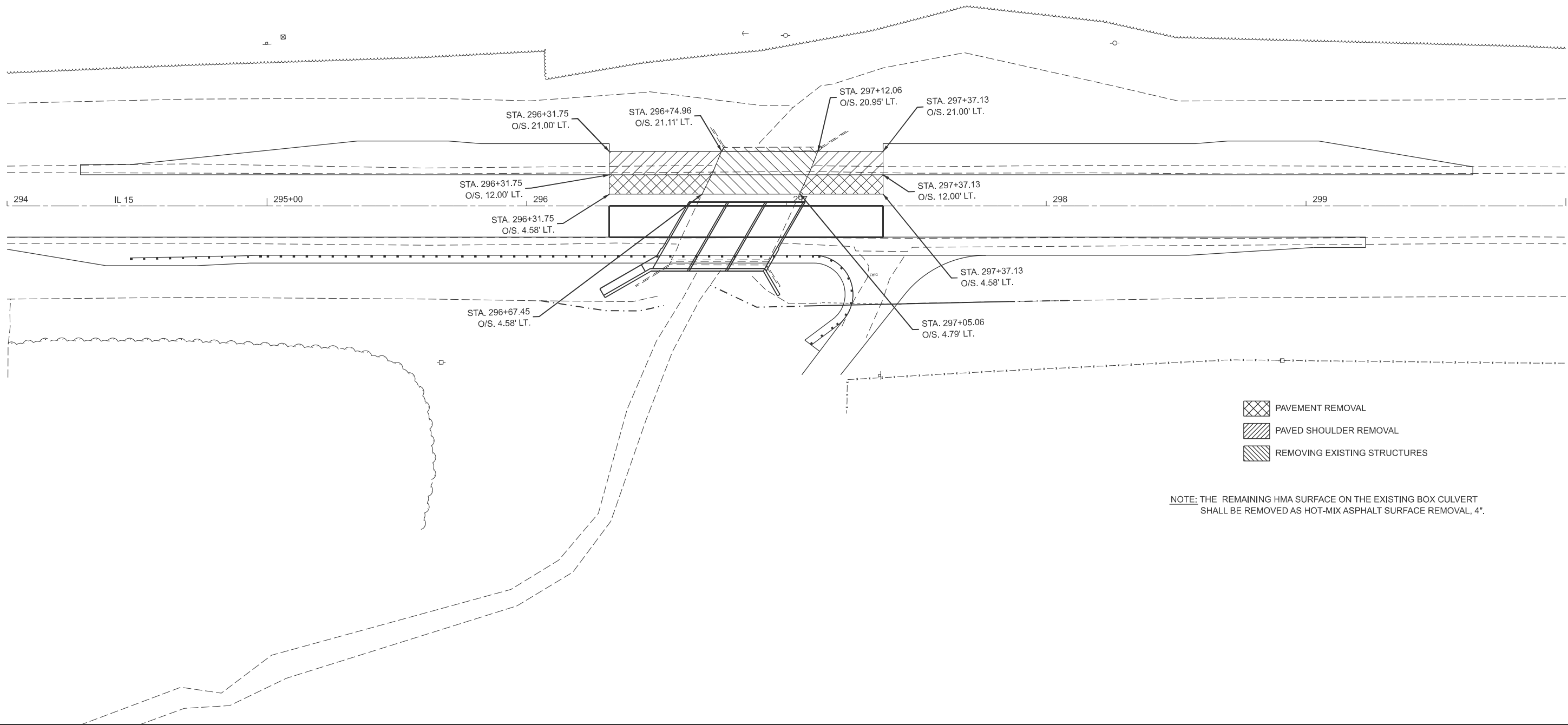
SYMBOLS

- TEMPORARY CONCRETE BARRIER
- WHITE TEMPORARY PAVEMENT MARKING (4" EDGELINE)
- WHITE TEMPORARY PAVEMENT MARKING (24" STOP BAR)
- IMPACT ATTENUATOR
- TRAFFIC SIGNAL

NOTE

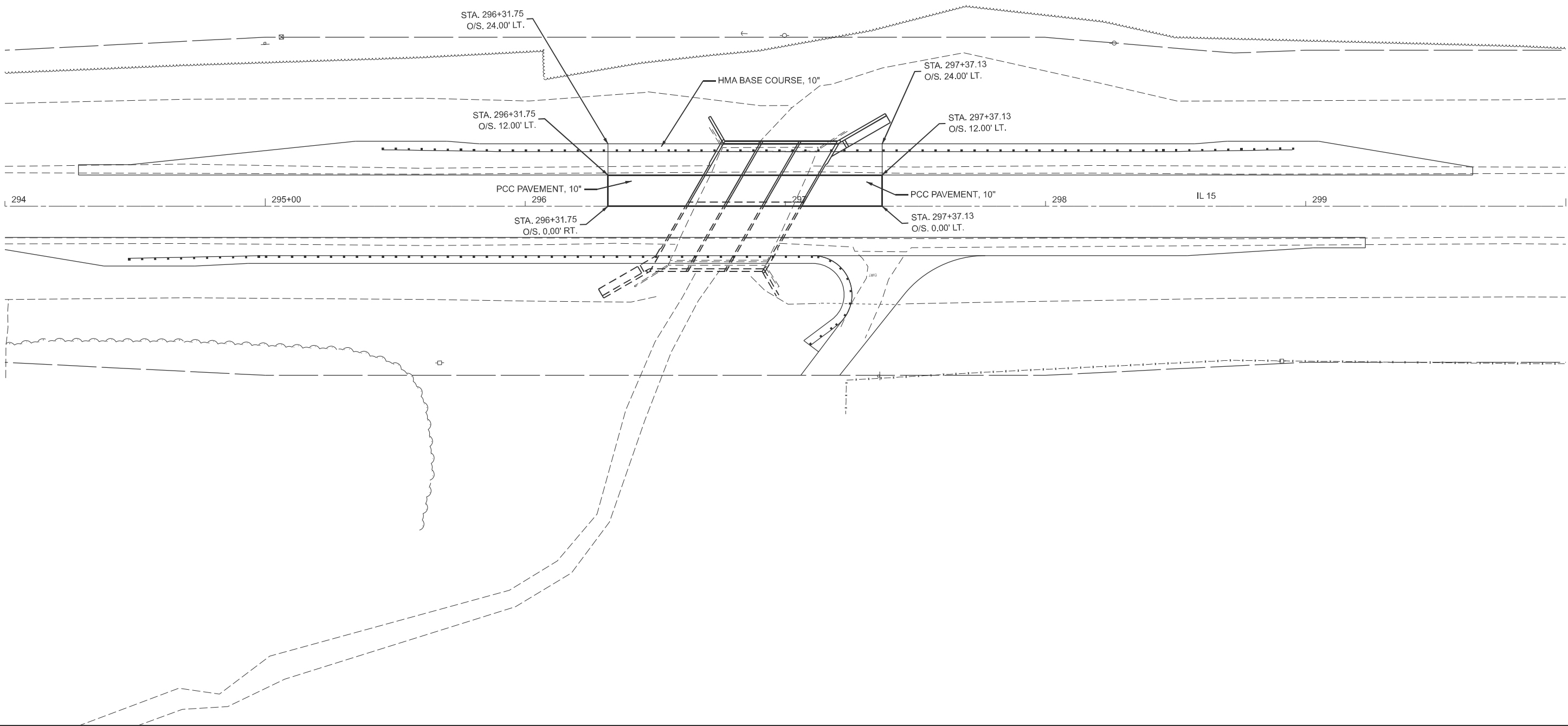
SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321
FOR INFORMATION NOT SHOWN ON THIS SHEET.

	USER NAME = kaleb.hirtzel		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLANS		F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -		STAGE 1 TRAFFIC CONTROL PLAN DETAILS		821	(19B2)B-1	WAYNE	52	17
			CHECKED -	REVISED -				CONTRACT NO. 74648				
	PLOT DATE = 3/11/2025		DATE -	REVISED -		SCALE: 1"=20'	SHEET 7	OF 11	SHEETS	STA. 297+00.00	TO STA. 303+00.00	ILLINOIS FED. AID PROJECT



MODEL: 15ECPERIDGE - Stage 2 Removal [Sheet]
FILE NAME: c:\pwworking\hrtz\hrtz\1023329\DT74648-sheets\Staging-Stage2Removal.dgn

	USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING PLANS STAGE 2 REMOVALS					F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							821	(19B2)B-1	WAYNE	52	18
		CHECKED -	REVISED -							CONTRACT NO. 74648				
	PLOT DATE = 3/11/2025	DATE -	REVISED -		SCALE: 1"=20'	SHEET 8	OF 11	SHEETS	STA. 294+00.00	TO STA. 300+00.00				
										ILLINOIS FED. AID PROJECT				



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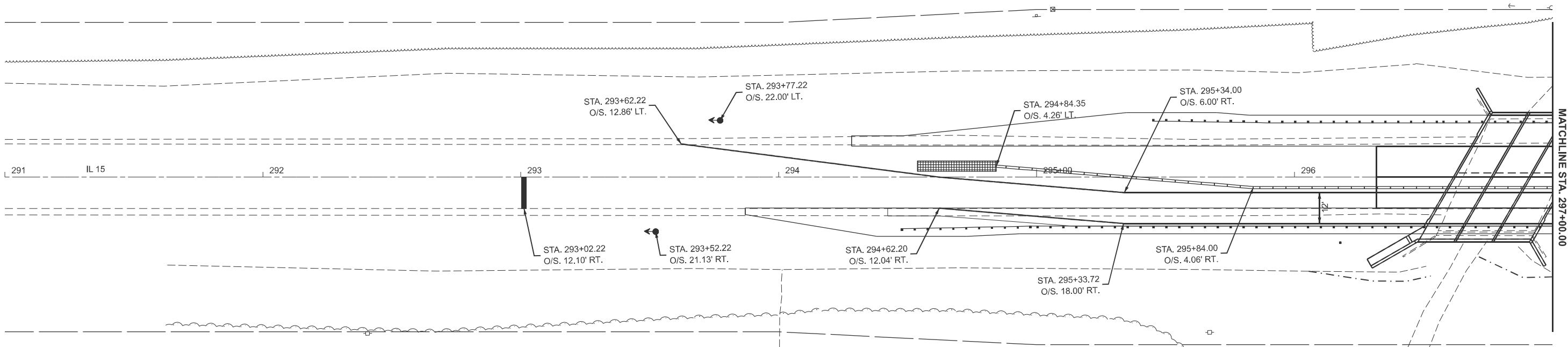
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		CHECKED	-	REVISED	-
PLOT DATE	= 3/7/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLANS
STAGE 2 PLAN SHEET

SCALE: 1"=20' SHEET 9 OF 11 SHEETS STA. 294+00.00 TO STA. 300+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2)B-1	WAYNE	52	19
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				



SYMBOLS

- TEMPORARY CONCRETE BARRIER
- WHITE TEMPORARY PAVEMENT MARKING (4" EDGELINE)
- WHITE TEMPORARY PAVEMENT MARKING (24" STOP BAR)
- IMPACT ATTENUATOR
- TRAFFIC SIGNAL

NOTE

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321
FOR INFORMATION NOT SHOWN ON THIS SHEET.

MODEL: 15ECPERIDGE - Stage2 Traffic Control [Sheet]
FILE NAME: c:\pwwork\pwwork\hrtzel\1023329\DT74648-sheets\Staging-Stage2TrafficControl.dgn

USER NAME	= kaleb.hirtzel	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 3/12/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLANS
STAGE 2 TRAFFIC CONTROL DETAILS

SCALE: 1"=20' SHEET 10 OF 11 SHEETS STA. 291+00.00 TO STA. 297+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2)B-1	WAYNE	52	20
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				



 TEMPORARY CONCRETE BARRIER
 WHITE TEMPORARY PAVEMENT MARKING (4" EDGELINE)
 WHITE TEMPORARY PAVEMENT MARKING (24" STOP BAR)
 IMPACT ATTENUATOR
 TRAFFIC SIGNAL

SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321
FOR INFORMATION NOT SHOWN ON THIS SHEET.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2)B-1	WAYNE	52	21
		CONTRACT NO. 74648		
		ILLINOIS	FED. AID PROJECT	

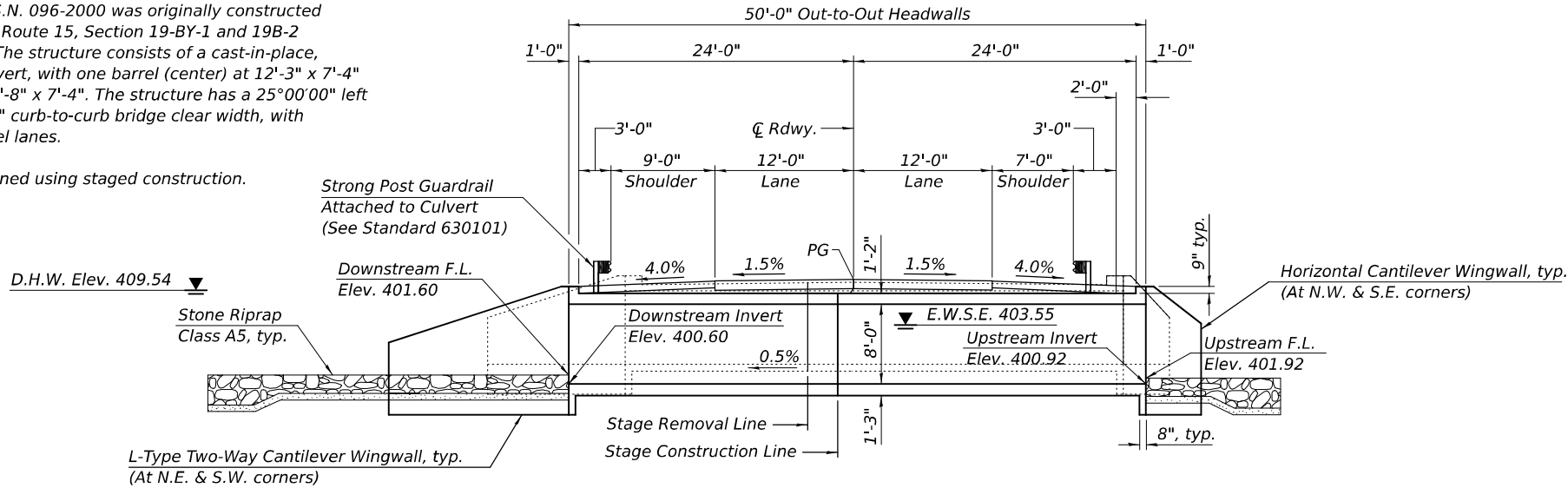
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FILE NAME: c:\pw_work\pwwidth\hirtzel\ld1023329\D774648-sheets-Staging-Stage2TrafficControl.dgn

Benchmark: BM 475-Chiseled square at west end of south curb on existing structure 096-2000, Sta. 297+10, 21' LT of C.L., Elev = 411.563.

Existing Structure: S.N. 096-2000 was originally constructed in 1957 under S.B.I. Route 15, Section 19-BY-1 and 19B-2 at station 296+84. The structure consists of a cast-in-place, triple barrel box culvert, with one barrel (center) at 12'-3" x 7'-4" and two barrels at 9'-8" x 7'-4". The structure has a 25°00'00" left ahead skew, a 42'-0" curb-to-curb bridge clear width, with two 11' striped travel lanes.

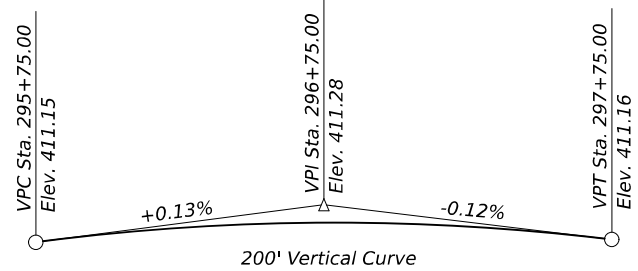
Traffic to be maintained using staged construction.

No salvage.



LONGITUDINAL SECTION

(Horizontal dimensions are perpendicular to $\bar{C}$ roadway - Looking West)



PROFILE GRADE

(along $\bar{C}$ IL 15)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

LOADING HL-93

Allow 50#/sq.ft. for Future Wearing Surface

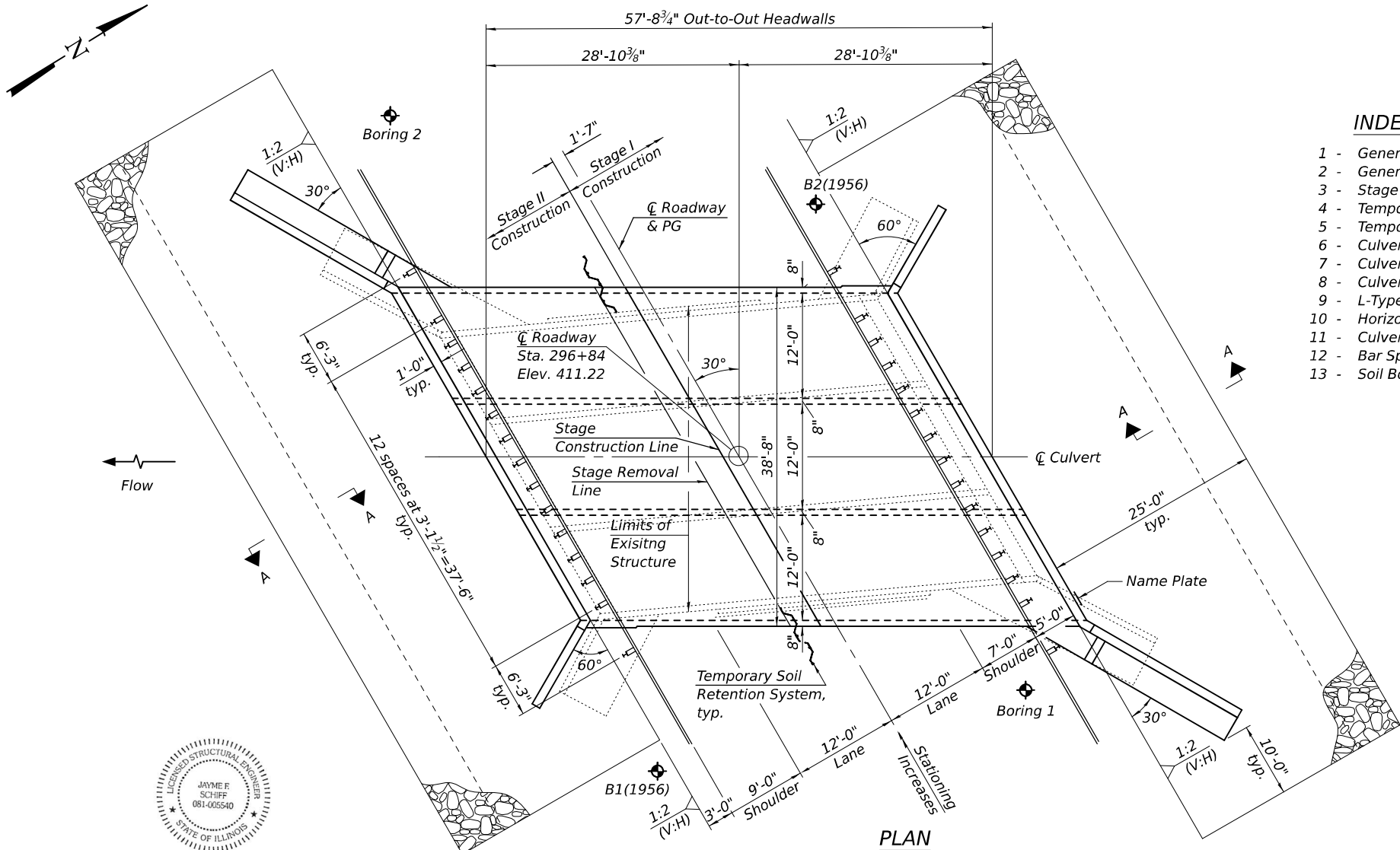
DESIGN STRESSES

FIELD UNITS

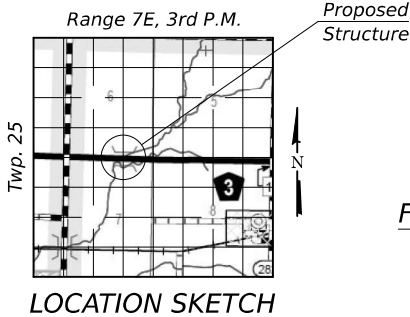
f'_c = 3,500 psi
 f_y = 60,000 psi (Reinforcement)

INDEX OF SHEETS

- 1 - General Plan & Elevation
- 2 - General Data
- 3 - Stage Construction Details
- 4 - Temporary Soil Retention System
- 5 - Temporary Concrete Barrier
- 6 - Culvert Details - Top of Slab
- 7 - Culvert Details - Bottom of Slab
- 8 - Culvert Sections
- 9 - L-Type Two-Way Cantilevered Wingwall
- 10 - Horizontal Cantilever Wingwalls
- 11 - Culvert Details
- 12 - Bar Splicers Details
- 13 - Soil Boring Logs



PLAN



GENERAL PLAN & ELEVATION
IL. 15 OVER UNNAMED CREEK
F.A.P. RTE. 821 - SEC. (19B2)B-1
WAYNE COUNTY
STATION 296+84.00
STRUCTURE NO. 096-2013

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED		DATE -	5-9-2025
PASSED		REVISED -	
		REVISED -	

DATE -	5-9-2025
REVISED -	
REVISED -	

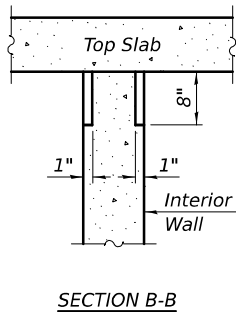
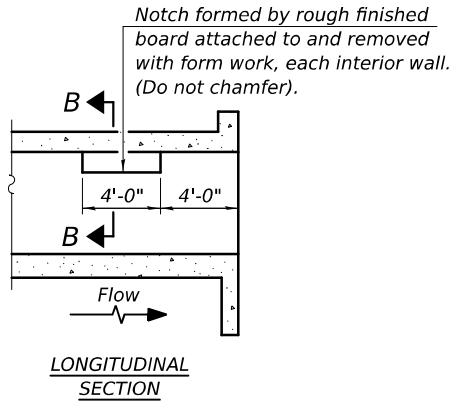
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2) B-1	WAYNE	52	22
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				

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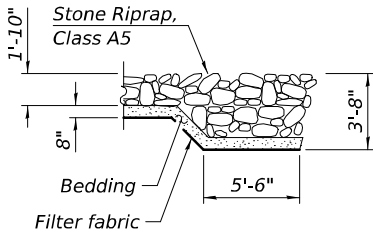
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PHOEBE NESTING SITE DETAILS
(Downstream End Only)

STA. 296+84.00
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 821 SEC. (19B2)B-1
LOADING HL-93
STRUCTURE NO. 096-2013

NAME PLATE
See Std. 515001



GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
Precast option is not allowed.
Existing 1922 abutments portions to be removed, if required.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A5	Sq. Yd.	501
Filter Fabric	Sq. Yd.	501
Removal of Existing Structures	Each	1
Reinforcement Bars	Pound	60,270
Bar Splicers	Each	192
Name Plate	Each	1
Temporary Soil Retention System	Sq. Ft.	237
Concrete Box Culverts	Cu. Yd.	280.0
Geocomposite Wall Drain	Sq. Yd.	265
Strong Post Guardrail Attached to Culvert	Foot	100
Membrane Waterproofing System for Buried Structures	Sq. Yd.	265

WATERWAY INFORMATION

Drainage Area = 2.4				Existing Overtopping Elev. 410.79 @ Sta. 301+74					
				Proposed Overtopping Elev. 410.79 @ Sta. 301+74					
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²	Nat. H.W.E.	Head - Ft.	Headwater El.	Exist.	Prop.	Exist.
Ten-Year	10	935	190	288	409.09	1.12	1.00	410.21	410.09
Overtop Existing	30	1,373	201	288	409.44	1.59	1.39	411.03	410.83
Overtop Proposed	40	1,484	203	288	409.51	1.70	1.48	411.21	410.99
Design	50	1,540	204	288	409.54	1.73	1.67	411.27	411.21
Base	100	1,810	210	288	409.70	1.81	1.80	411.51	411.50

Existing 10 Year Outlet Velocity = 4.9 ft/s
Proposed 10 Year Outlet Velocity = 3.3 ft/s

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

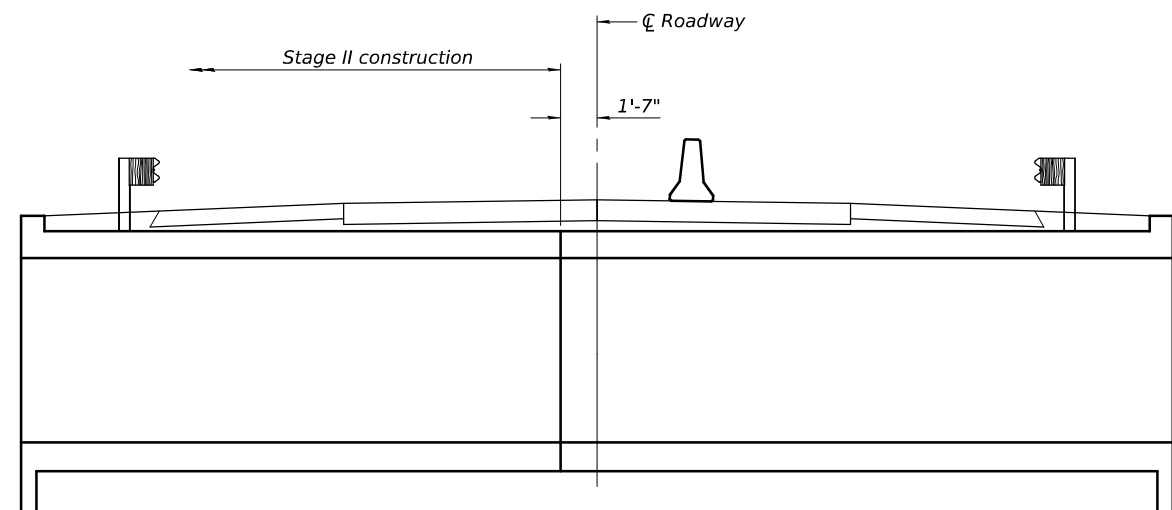
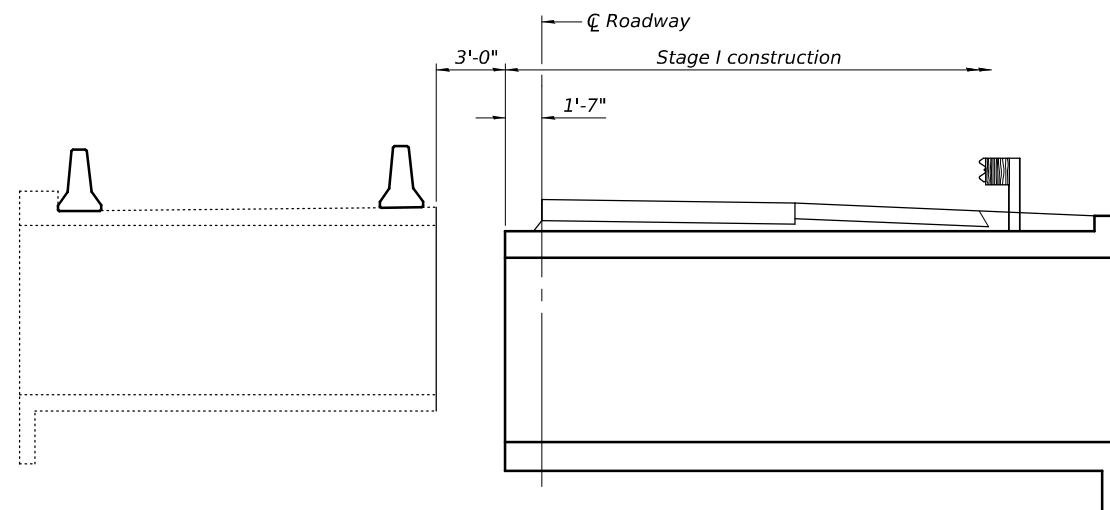
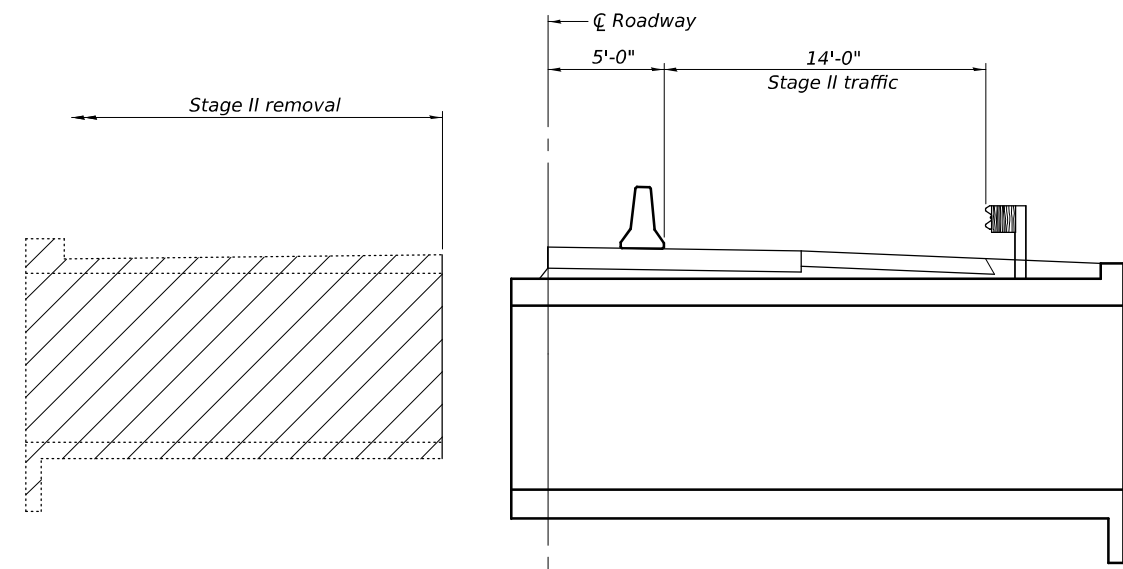
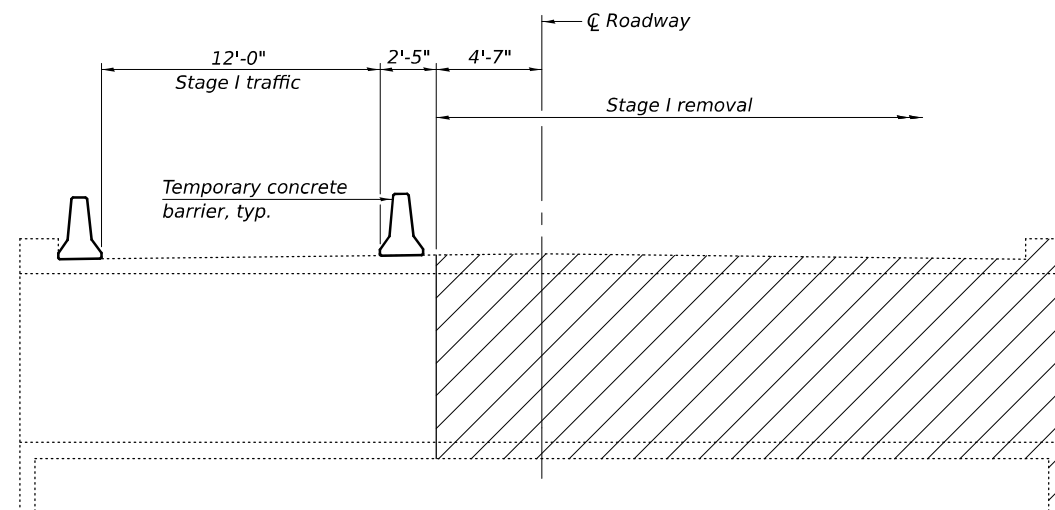
EXAMINED		DATE -	MAY 9, 2025
PASSED		REVISED -	
	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 096-2013

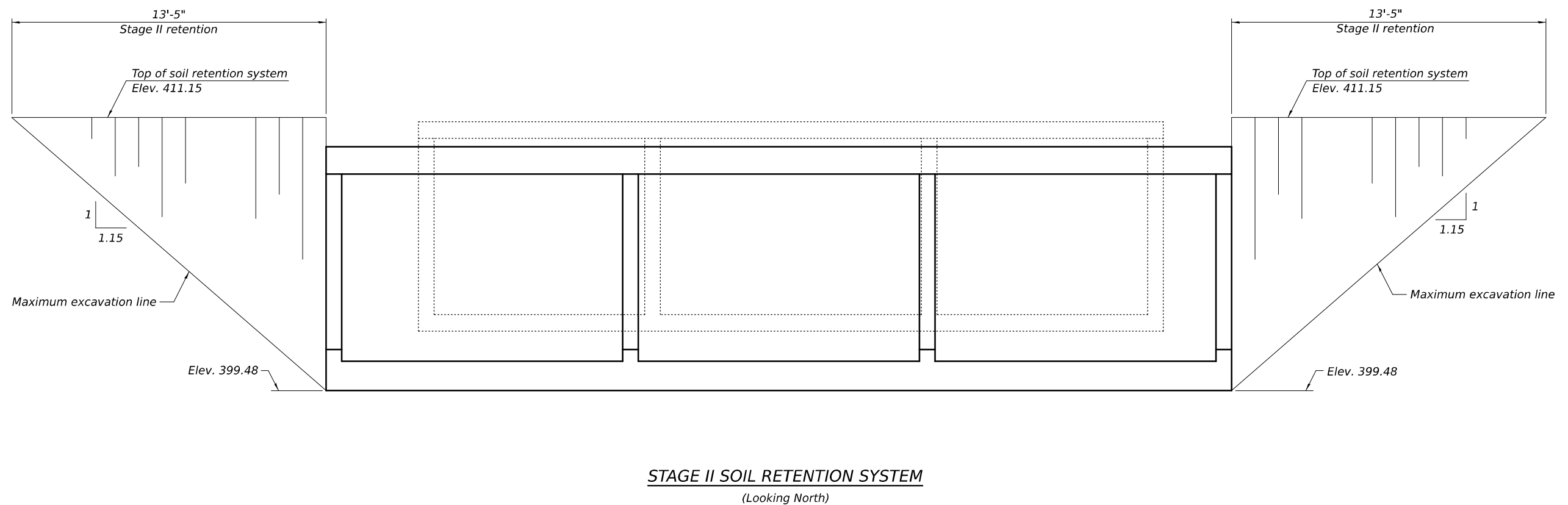
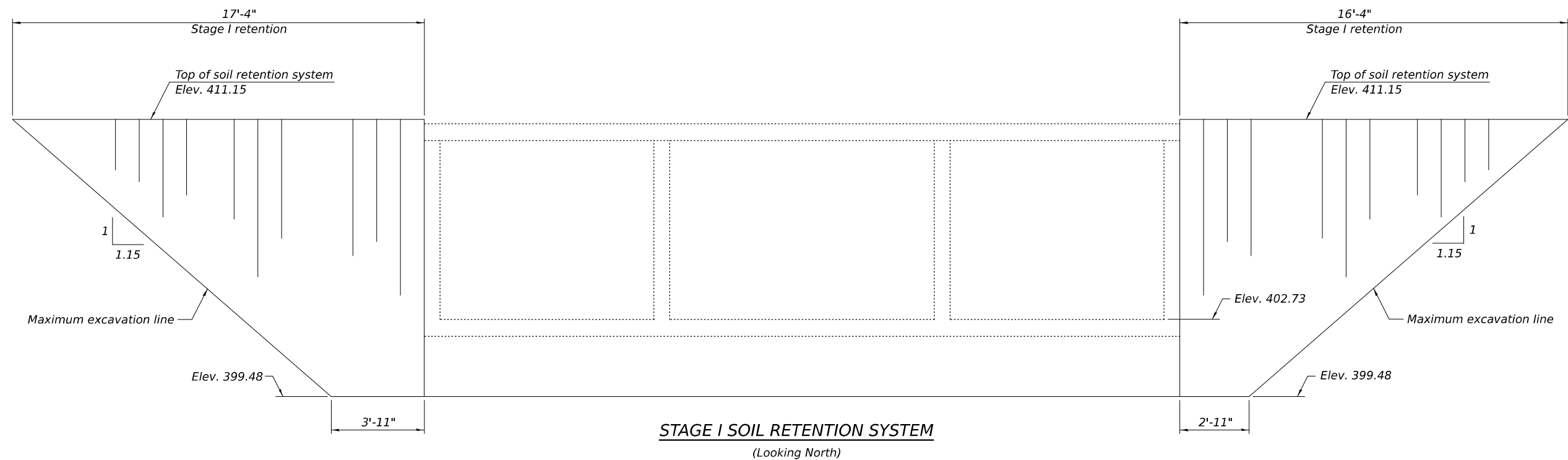
SHEET 2 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2) B-1	WAYNE	52	23
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				



Notes:
All cross sections are looking West.
Hatched areas indicate Removal of Existing Structures.
For quantity of Temporary Concrete Barrier, see Roadway plans. See sheet 5 of 13.
For details of Temporary Concrete Barrier, see sheet 5 of 13.

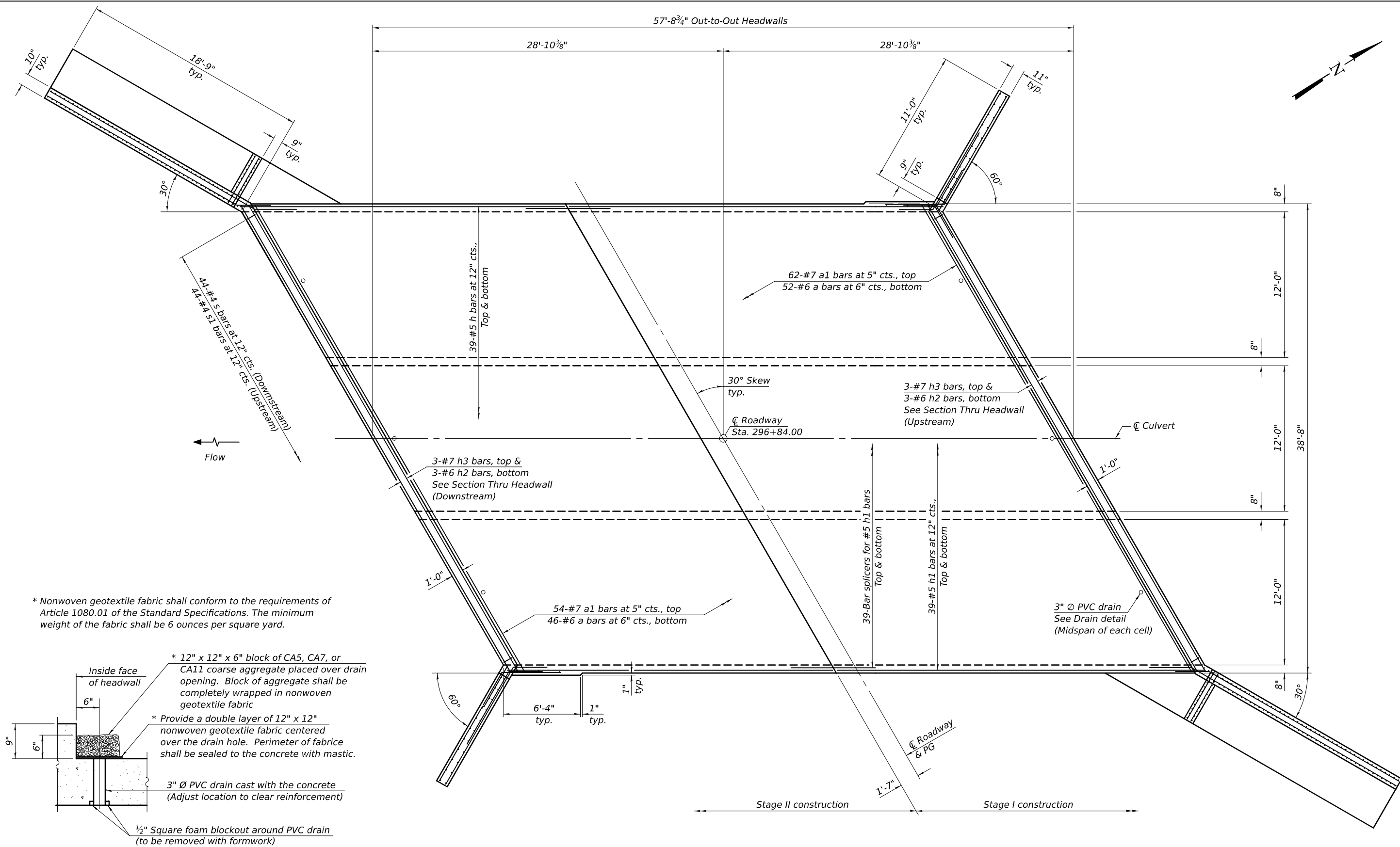
DESIGNED - TIFFANY L. ADAMS	EXAMINED	 ENGINEER OF BRIDGE DESIGN	DATE - MAY 9, 2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS STRUCTURE NO. 096-2013	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD			PASSED			 ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	821	(19B2) B-1	WAYNE
DRAWN - ANDRO R. SAMANIEGO	REVISED -	CONTRACT NO. 74648								
CHECKED - T.L.A. / R.P.N.	SHEET 3 OF 13 SHEETS						ILLINOIS FED. AID PROJECT			



Note:
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

DESIGNED - TIFFANY L. ADAMS	EXAMINED  ENGINEER OF BRIDGE DESIGN PASSED  ENGINEER OF BRIDGES AND STRUCTURES	DATE - MAY 9, 2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY SOIL RETENTION SYSTEM STRUCTURE NO. 096-2013	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
CHECKED - RYAN P. NEGANGARD					821	(19B2) B-1	WAYNE	52	25		
DRAWN - ANDRO R. SAMANIEGO					REVISED -	CONTRACT NO. 74648					
CHECKED - T.L.A. / R.P.N.					REVISED -	SHEET 4 OF 13 SHEETS					
5/9/2025 3:54:48 PM		ILLINOIS FED. AID PROJECT									

MODEL: 0962013-74648-006
FILE NAME: pw:\idol-pw\benley.com\FWIDOT\Documents\IDOT O ces\Bureau of Bridges and Structures\OBM Projects\0962013\CADData\Bridge\0962013-74648.dgn



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

PLAN

Note:
A distance of half of the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED	
PASSED	

DATE -	MAY 9, 2025
REVISED -	
REVISED -	

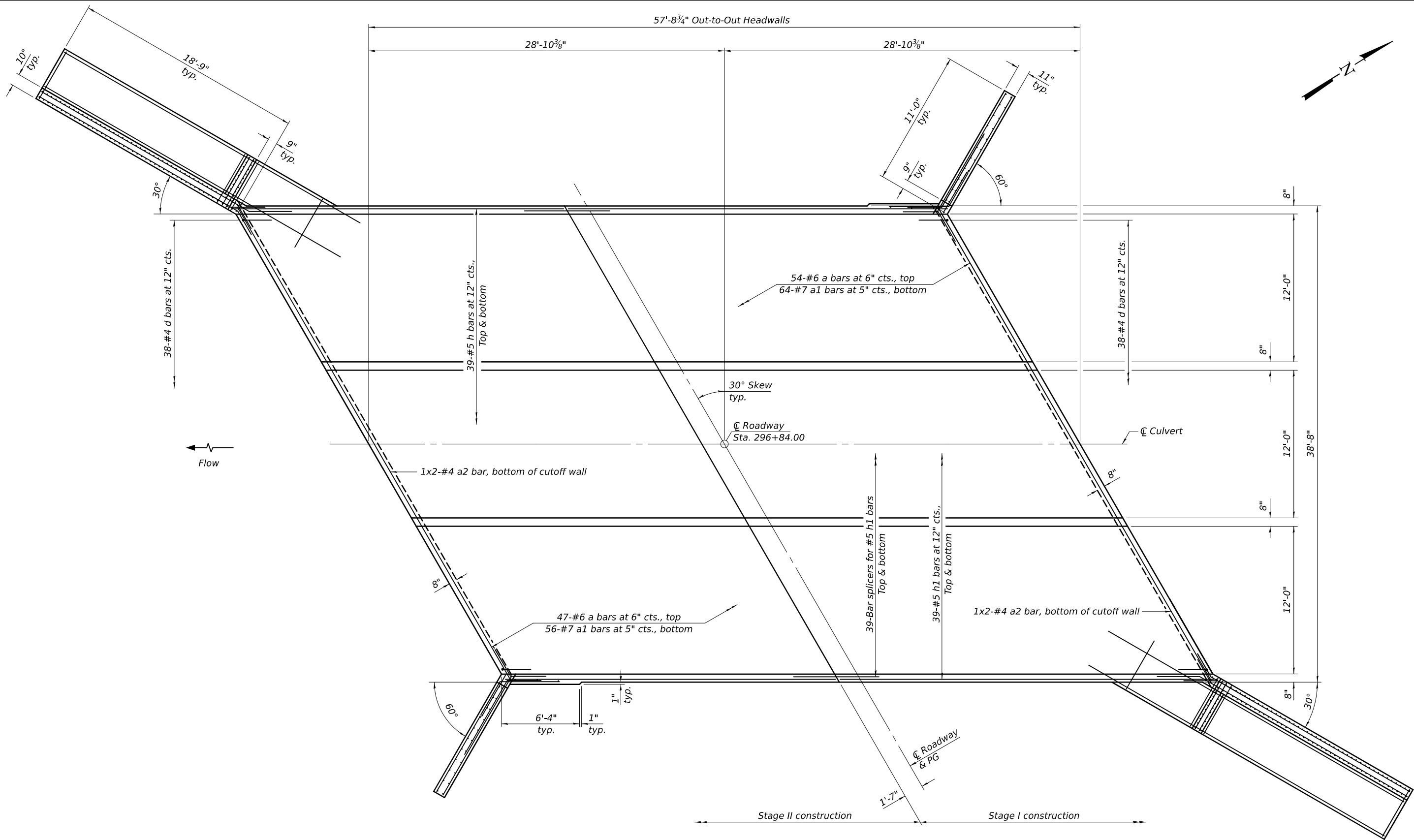
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS - TOP SLAB
STRUCTURE NO. 096-2013

SHEET 6 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2) B-1	WAYNE	52	27
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				

MODEL: 0962013-74648-007
FILE NAME: pw:///idol-gpw/bentley.com:PWIDOT/Documents/IDOT O ces/Bureau of Bridges and Structures/IDOT O ces/0962013/CADDData/Bridge/0962013-74648.dgn



PLAN

Note:
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED	<i>Mark Shiffin</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Joey F. Schaff</i> ENGINEER OF BRIDGES AND STRUCTURES

DATE -	MAY 9, 2025
REVISED -	
REVISED -	

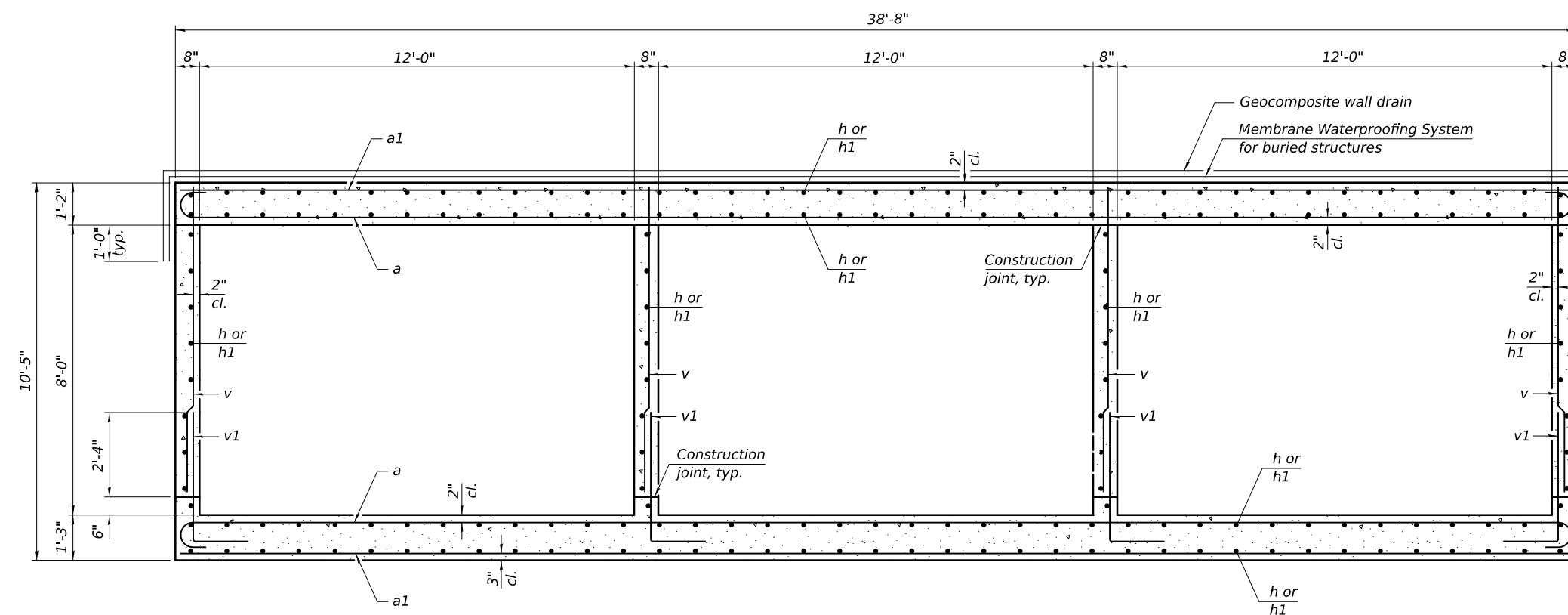
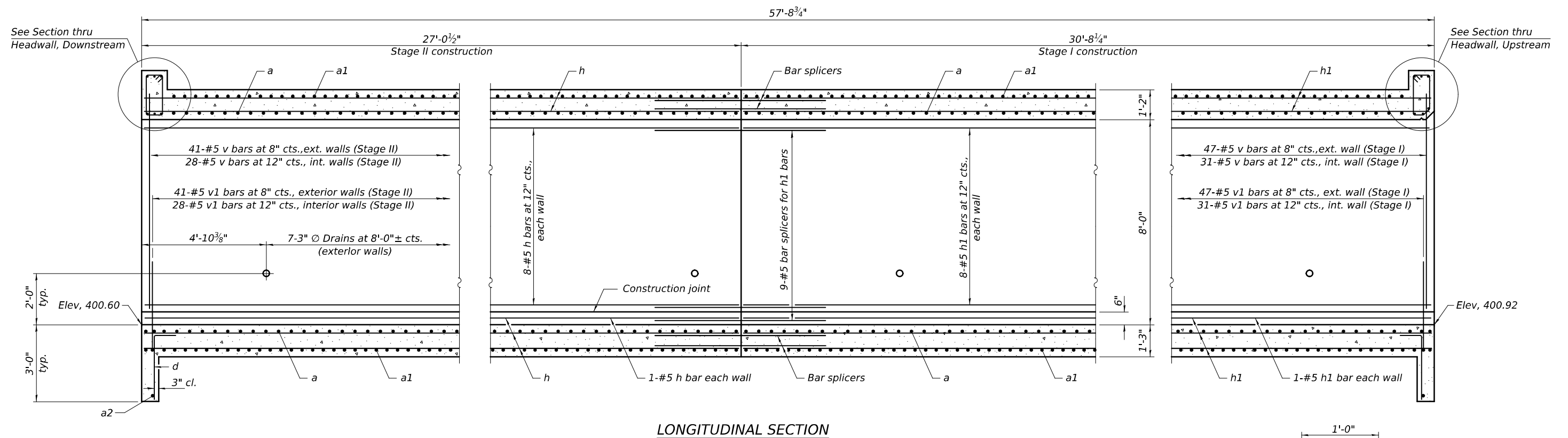
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS - BOTTOM SLAB
STRUCTURE NO. 096-2013

SHEET 7 OF 13 SHEETS

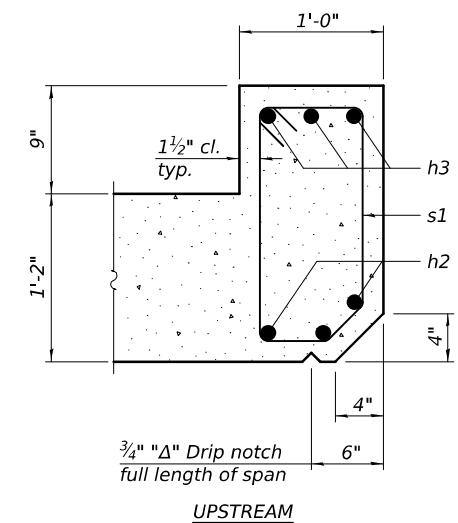
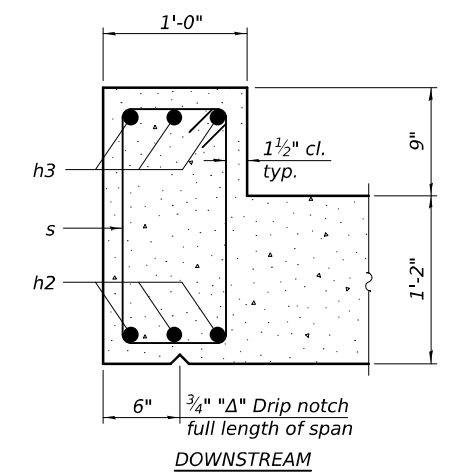
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2) B-1	WAYNE	52	28
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				

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Note:

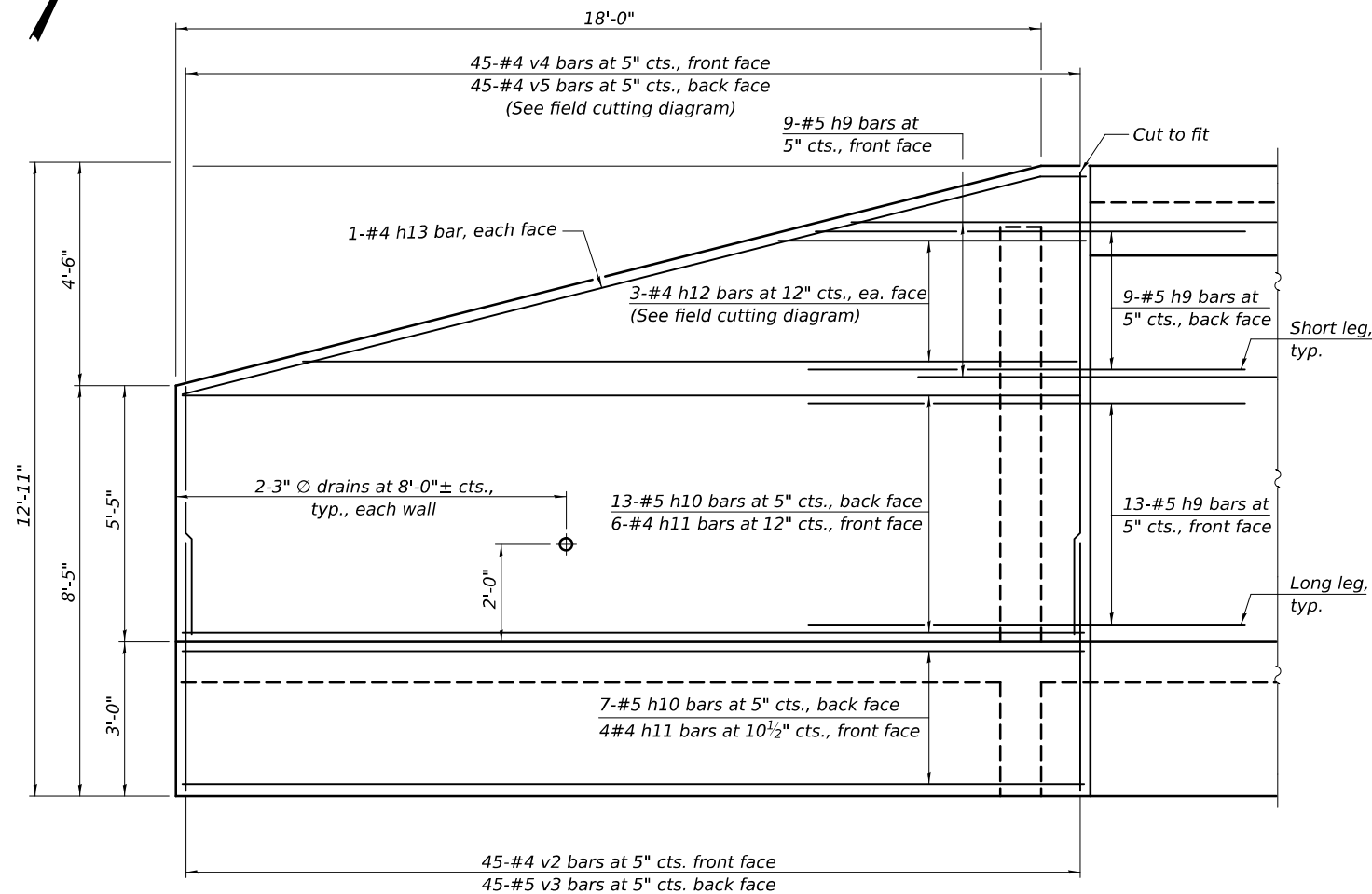
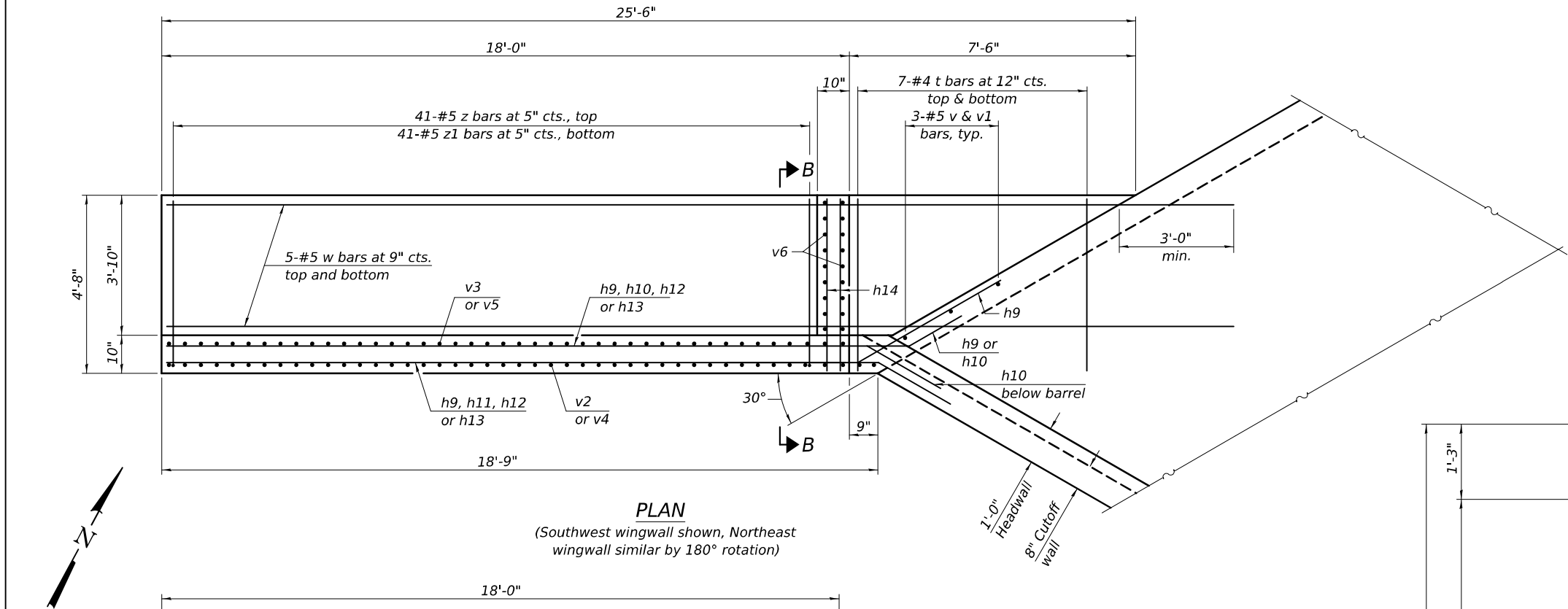
At the Contractor's option, a longer v1 bar may be ordered to replace the v bar. No reduction in quantities shall be made for this substitution.



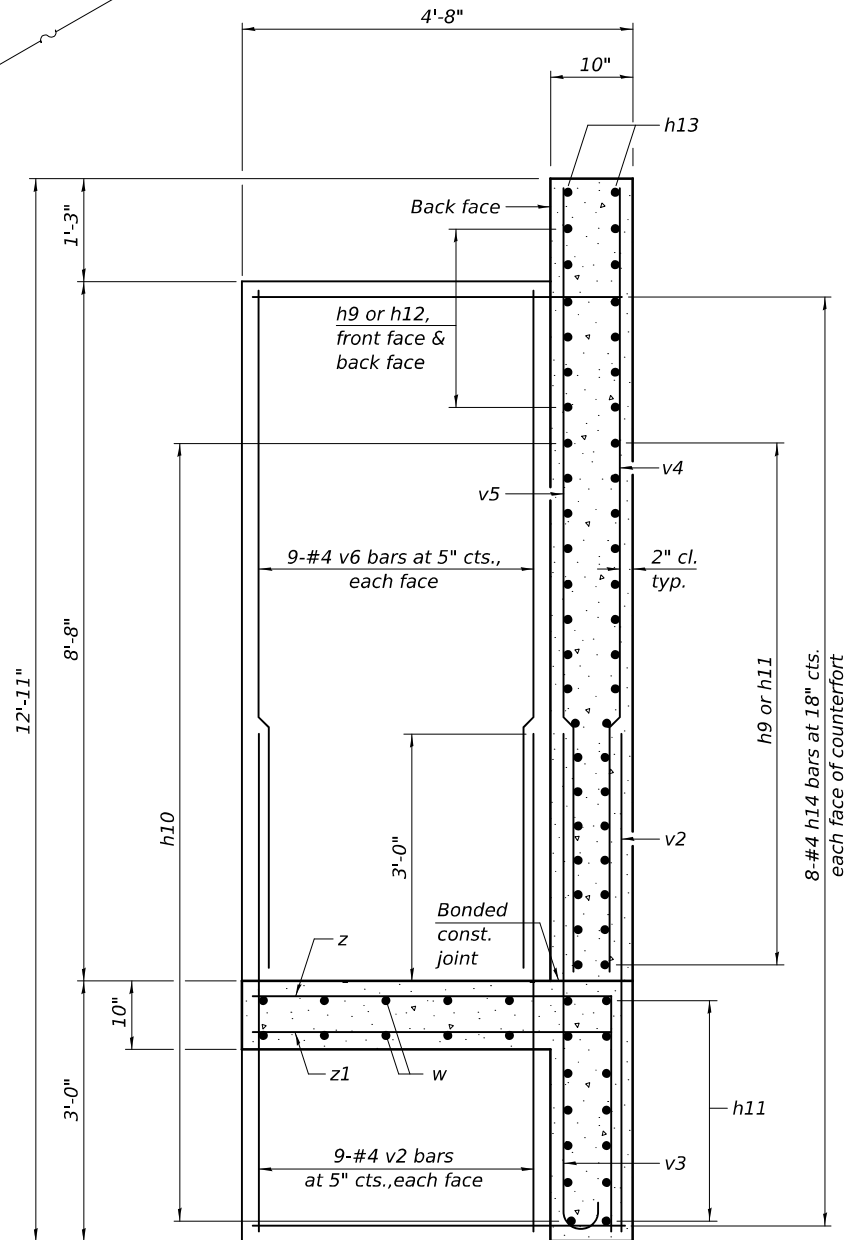
SECTION THRU HEADWALL

DESIGNED - TIFFANY L. ADAMS	 ENGINEER OF BRIDGE DESIGN  ENGINEER OF BRIDGES AND STRUCTURES	EXAMINED	DATE - MAY 9, 2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT SECTIONS STRUCTURE NO. 096-2013	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANCARD		PASSED	REVISED -			821	(1982) B-1	WAYNE	52	29
DRAWN - ANDRO R. SAMANIEGO			REVISED -			CONTRACT NO. 74648				
CHECKED - T.L.A. / R.P.N.						SHEET 8 OF 13 SHEETS				

MODEL: 0962013-74648-009
FILE NAME: pw:///lido-pw/bentley.com:FWIDOT/Document/IDOT O ces/Bureau of Bridges and Structures/IDOT Projects/0962013/CADDData/Bridge/0962013-74648.dgn



ELEVATION



SECTION B-B

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED	<i>Mark Shuffin</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Joey F. Kelly</i> ENGINEER OF BRIDGES AND STRUCTURES

DATE -	MAY 9, 2025
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

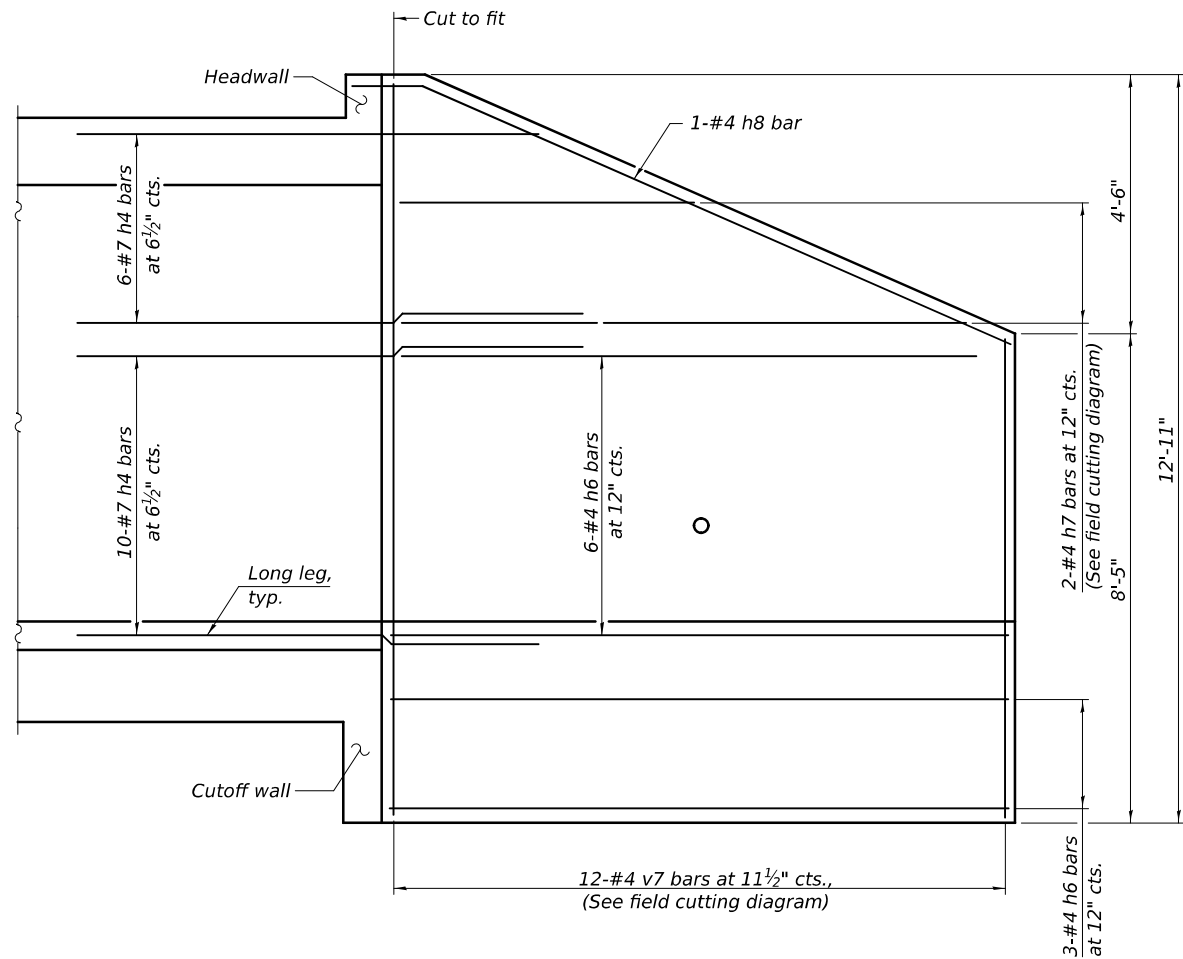
L-TYPE TWO-WAY CANTILEVERED WINGWALL
STRUCTURE NO. 096-2013

SHEET 9 OF 13 SHEETS

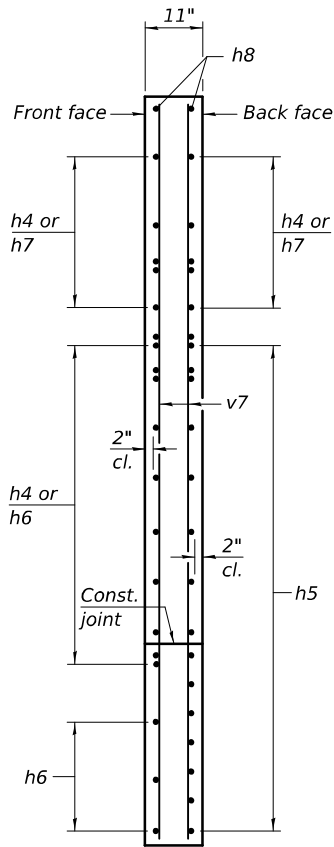
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2) B-1	WAYNE	52	30
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				

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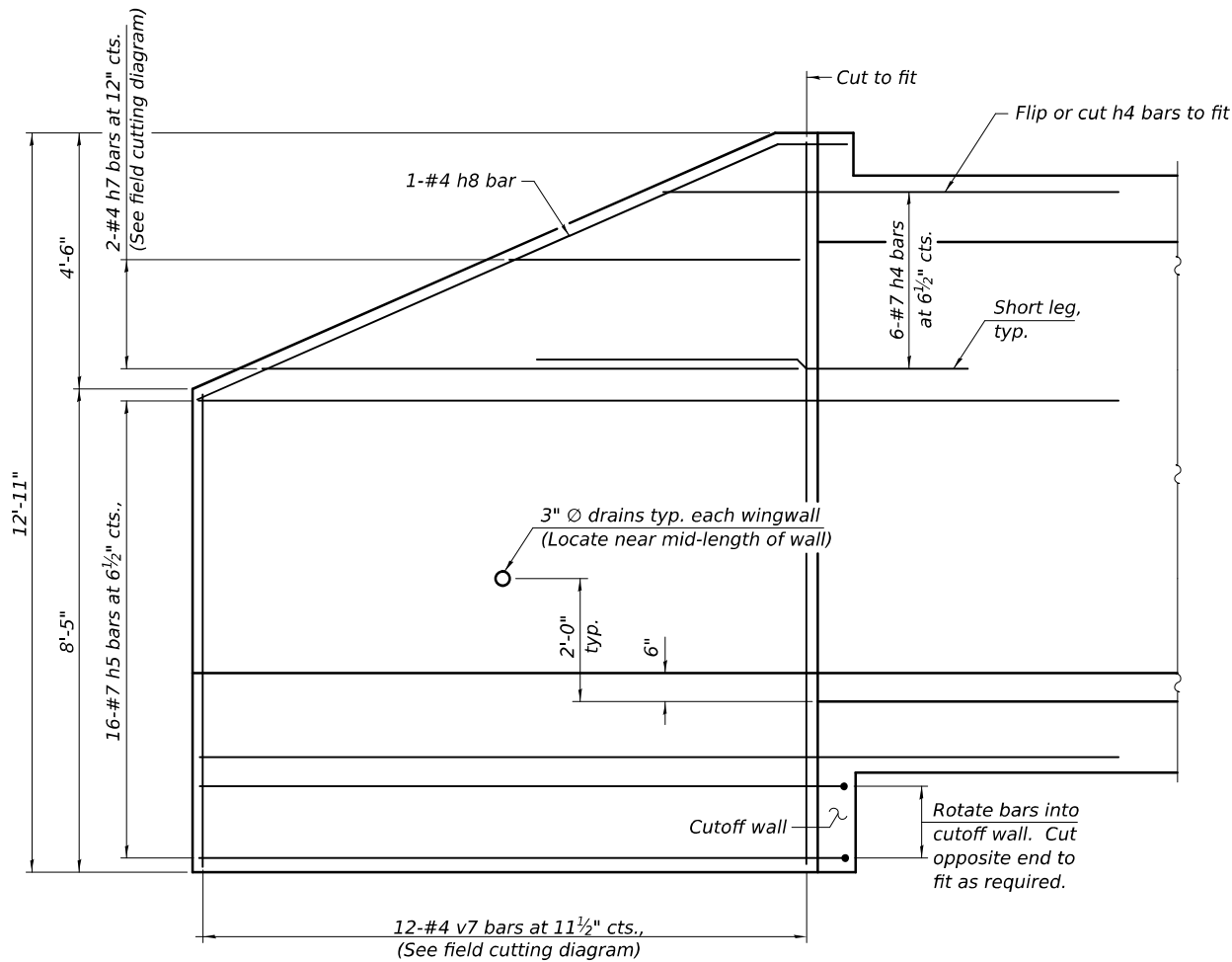
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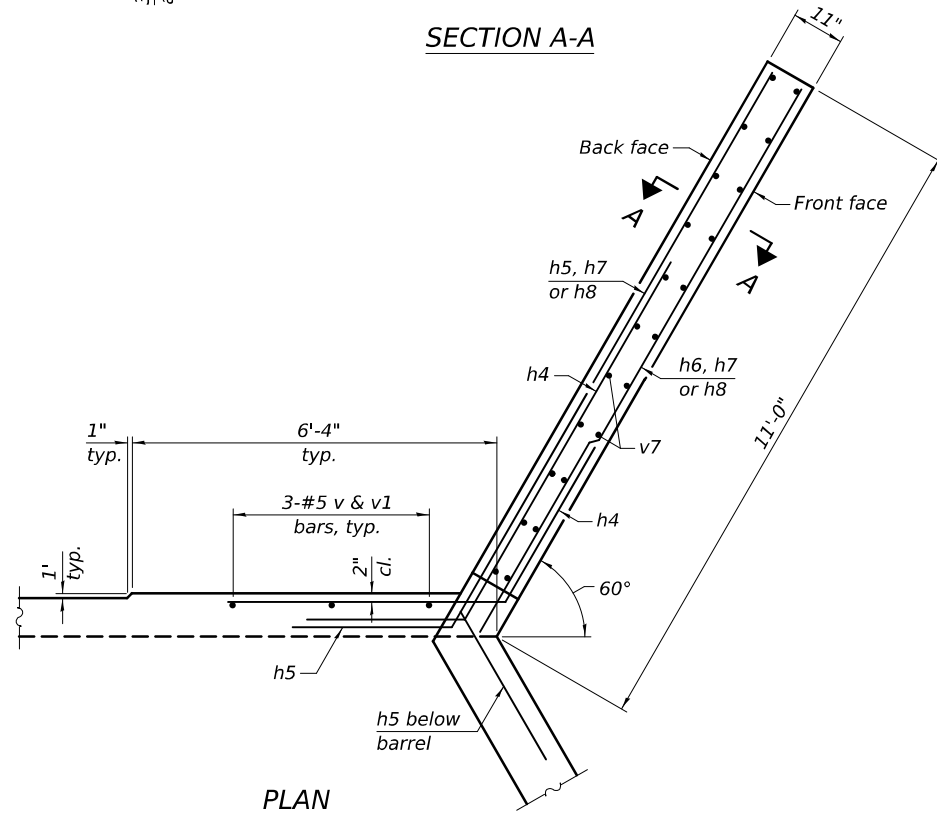
ELEVATION
(Showing reinforcement in the front face)



SECTION A-A



ELEVATION
(Showing reinforcement in the back face)



PLAN
(Northwest wingwall shown, Southeast similar by 180° rotation)

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED	<i>Mark Shiffin</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Joey F. Schaff</i> ENGINEER OF BRIDGES AND STRUCTURES

DATE -	MAY 9, 2025
REVISED -	
REVISED -	

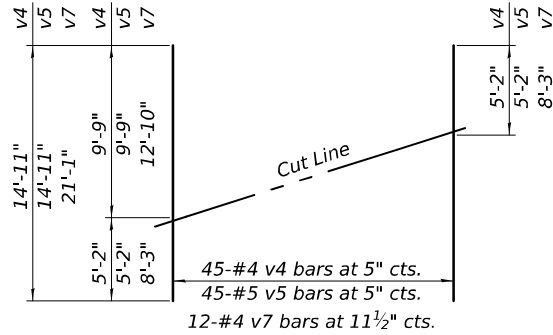
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORIZONTAL CANTILEVERED WINGWALLS
STRUCTURE NO. 096-2013

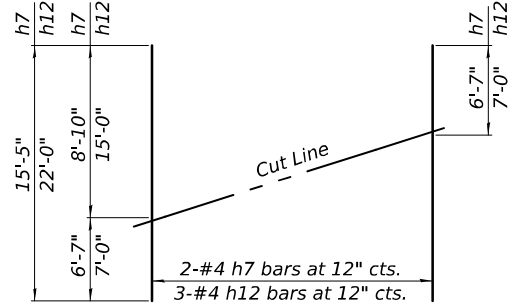
SHEET 10 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2) B-1	WAYNE	52	31
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				

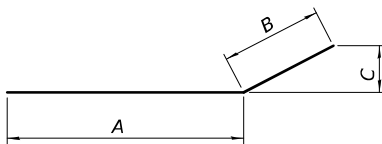
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FIELD CUTTING DIAGRAM
Order bars shown full length. Cut as shown
and use remainder of bars in opposite wingwall.

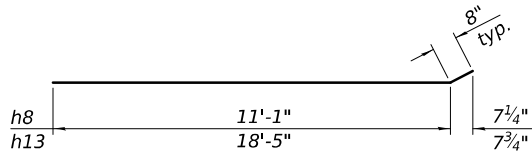


FIELD CUTTING DIAGRAM
Order bars shown full length. Cut as shown
and use remainder of bars in opposite wingwall.

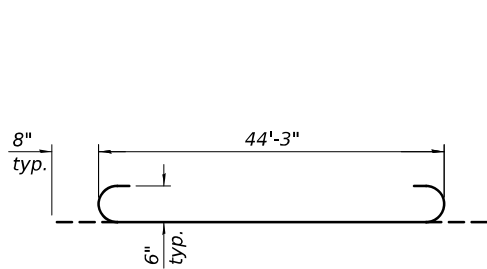


BARS h

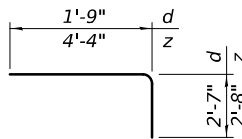
Bar	A	B	C
h4	5'-0"	3'-0"	2'-7 1/8"
h5	11'-0"	3'-0"	2'-7 1/8"
h9	5'-0"	3'-0"	1'-6"
h10	19'-2"	3'-0"	1'-6"



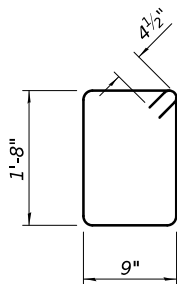
BARS h8 & h13



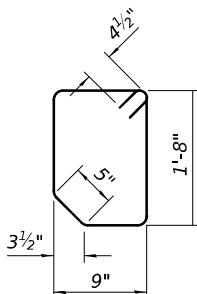
BAR a



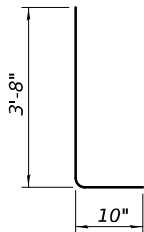
BARS d & z



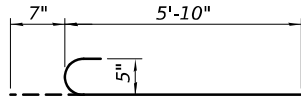
BAR s



BAR s1



BAR v1



BAR v3

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	199	#6	45'-8"	
a1	236	#7	44'-4"	
a2	4	#4	23'-1"	
d	76	#4	4'-4"	
h	192	#5	26'-8"	
h1	192	#5	30'-4"	
h2	6	#6	44'-4"	
h3	6	#7	44'-4"	
h4	44	#7	8'-0"	
h5	32	#7	14'-0"	
h6	18	#4	10'-10"	
h7	4	#4	15'-5"	
h8	4	#4	11'-9"	
h9	62	#5	8'-0"	
h10	40	#5	22'-2"	
h11	20	#4	18'-7"	
h12	6	#4	22'-0"	
h13	4	#4	19'-1"	
h14	32	#4	4'-4"	
s	44	#4	5'-7"	
s1	44	#4	5'-5"	
t	28	#4	4'-4"	
v	306	#5	8'-4"	
v1	306	#5	4'-6"	
v2	126	#4	5'-10"	
v3	90	#5	6'-5"	
v4	45	#4	14'-11"	
v5	45	#5	14'-11"	
v6	36	#4	8'-4"	
v7	24	#4	21'-1"	
w	20	#5	28'-0"	
z	82	#5	7'-0"	
z1	82	#5	4'-4"	
Concrete Box Culverts			Cu. Yd.	280.0
Reinforcement Bars			Pound	60,270

DESIGNED	-	TIFFANY L. ADAMS
CHECKED	-	RYAN P. NEGANGARD
DRAWN	-	ANDRO R. SAMANIEGO
CHECKED	-	T.L.A. / R.P.N.

EXAMINED		DATE	-	MAY 9, 2025
PASSED		REVISED	-	
		REVISED	-	

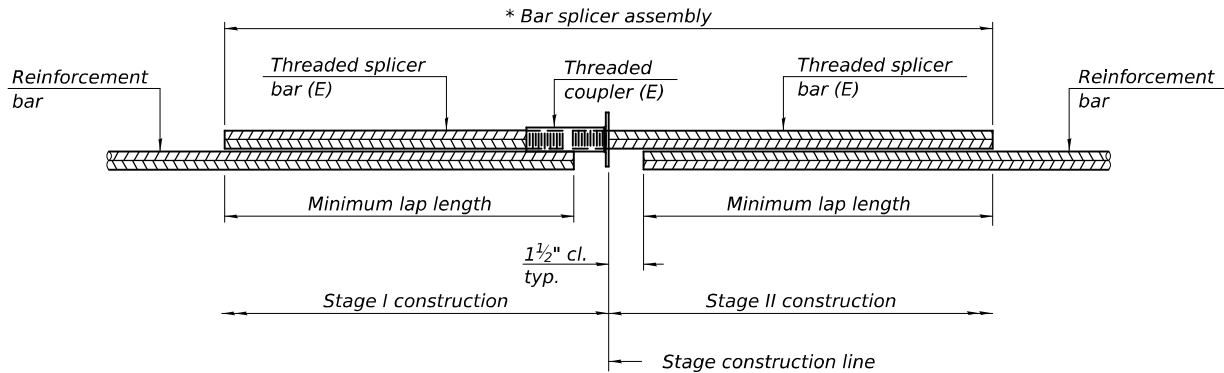
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 096-2013

SHEET 11 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2) B-1	WAYNE	52	32
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				

MODEL: 0962013-74648-012
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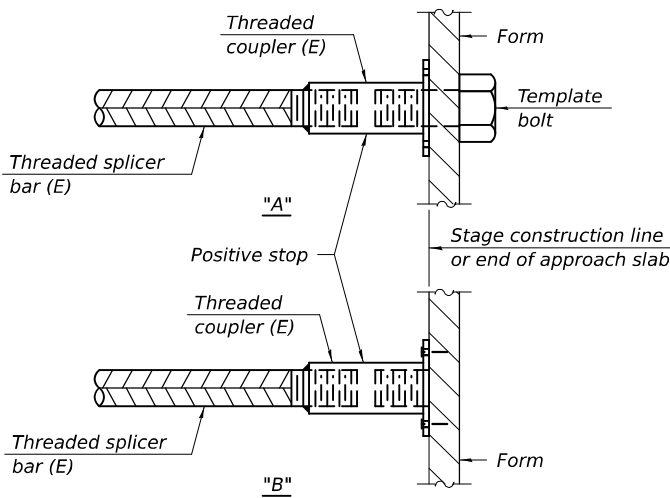
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1½" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Top Slab	#5	78	2'-2"
Walls	#5	36	2'-9"
Bottom Slab	#5	78	2'-2"

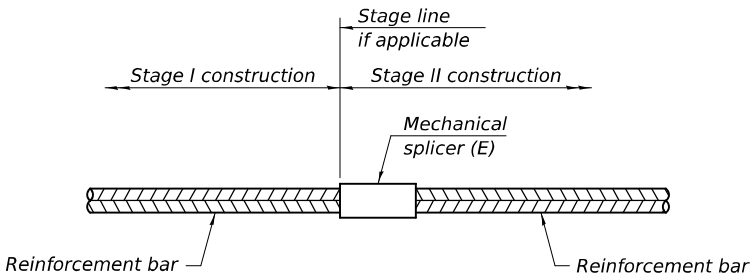


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

5-15-2023

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED	 ENGINEER OF BRIDGE DESIGN
PASSED	 ENGINEER OF BRIDGES AND STRUCTURES

DATE -	MAY 9, 2025
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY & MECHANICAL SPLICER DETAILS
STRUCTURE NO. 096-2013

SHEET 12 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2) B-1	WAYNE	52	33
CONTRACT NO. 74648				
ILLINOIS		FED. AID PROJECT		

**Illinois Department
of Transportation**
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 5/9/22

ROUTE FAP 821 (IL 15) DESCRIPTION IL 15 over Unnamed Stream LOGGED BY E. Sandschaefer

SECTION (1982)B-1 LOCATION Northeast Corner, SEC. 7, TWP. 2E, RNG. 7S, 3rd PM,
Latitude N 38,370146, Longitude W 88,465384

COUNTY Wayne DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto ETR = 91.8% @ 57.4

STRUCT. NO. <u>096-2000 (E)</u>	D	B	U	M	Surface Water Elev. <u>402.90</u> ft Stream Bed Elev. <u>402.60</u> ft Groundwater Elev.: First Encounter <u>394.0</u> ft ∇ Upon Completion <u>403.0</u> Caved ft ∇ After <u>24</u> Hrs. <u>404.5</u> ft ∇	D	B	U	M
Station <u>296+45</u>	P	L	O	I		P	L	O	I
Offset <u>15.0</u> ft RT	T	W	S	S		T	W	S	S
Ground Surface Elev. <u>410.95</u> ft	H	S	Qu	T		H	S	Qu	T
	(ft)	(/6")	(tsf)	(%)		(ft)	(/6")	(tsf)	(%)

Aggregate Shoulder Mixed with Clay	409.95				Stiff, moist, brown, CLAY LOAM	3	1.2	18
Brown, CLAY						3	B	
		2						
Stiff, moist		2	1.5	18	Brown, fine-grained, SAND	2		
		1	P		Hard, moist, grey, CLAY LOAM	5	4.3	13
					Till	10	B	
406.45								
Very soft, wet, brown, SILT	-5	1			Stiff	-25	3	
		1	0.2	32			3	1.7
		1	B				6	B
					Hard		2	
Grey		1	0.1	27			4	4.1
		1	B				8	B
401.45								
Stiff, moist, grey, SILTY LOAM	-10	1			Very stiff	-30	2	
		3	1.0	20			5	2.1
		3	B				7	B
					Benchmark: BM 475 - Cut Square in Southwest Corner of Bridge Curb SN 096-2000, Sta. 297+10, 21 feet LT; Elevation = 411.563 feet. End of Boring	379.95		
Medium, grey and brown marbled		1						
		6	0.4	19				
		3	B					
395.95 -15		1						
Stiff, moist, grey, CLAY		2	1.2	19				
		3	B					
393.95								
Soft, moist, grey, SILTY LOAM		2						
		2	0.3	18				
		2	B					
391.45								
Stiff, moist, brown, CLAY LOAM	390.95 -20	1						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer,
NR-No Recovery, NT-Not Tested.

BBS, form 137 (Rev. 8-99)

**Illinois Department
of Transportation**
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 5/9/22

ROUTE FAP 821 (IL 15) DESCRIPTION IL 15 over Unnamed Stream LOGGED BY E. Sandschaefer

SECTION (19B2)B-1 LOCATION Northeast Corner, SEC. 7, TWP. 2E, RNG. 7S, 3rd PM,
Latitude N 38.370086, Longitude W 88.465719

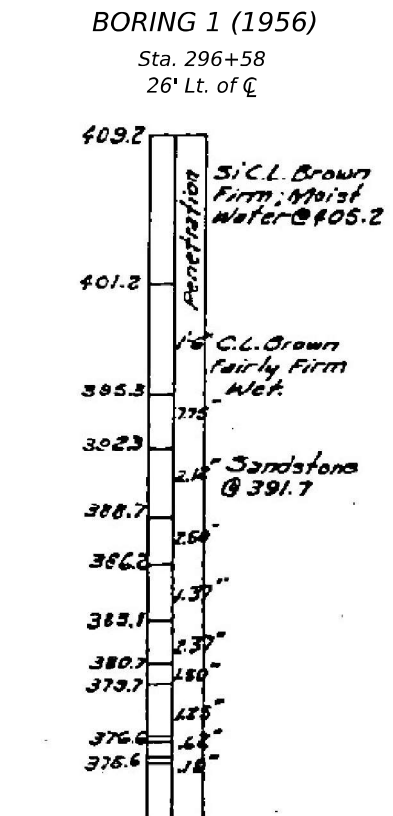
COUNTY Wayne DRILLING METHOD Hollow stem auger & split spoon HAMMER Auto ETR = 91.8% @ 57.4

STRUCT. NO. <u>096-2000 (E)</u>	D	B	L	U	M	Surface Water Elev. <u>402.90</u> ft	D	B	L	U	M	
Station <u>096-2013 (P)</u>	P	O	S	I	S		Stream Bed Elev. <u>402.60</u> ft	P	O	S	I	S
BORING NO. <u>2 West Abutment</u>	T	W	S	Q	T		Groundwater Elev.: First Encounter <u>393.8</u> ft <u>▼</u>	T	W	S	Q	T
Station <u>297+38</u>	H	S					Upon Completion <u>399.8</u> Caved ft <u>▼</u>	H	S			
Offset <u>15.0 ft LT</u>						After <u>24</u> Hrs. <u>404.3</u> ft <u>▼</u>						
Ground Surface Elev. <u>410.76</u> ft	(ft)	(/6")	(tsf)	(%)			(ft)	(/6")	(tsf)	(%)		

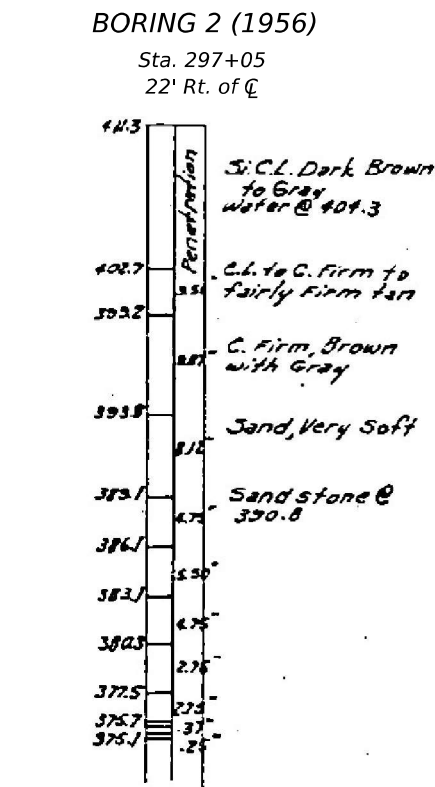
Aggregate Shoulder with Brown Clay					Very stiff, moist, brown, CLAY LOAM		4	2.7	16
409.26							5	B	
Brown, CLAY LOAM	408.76								
Medium, moist, brown, SILTY LOAM		1					2		
		2	0.8	19			6	2.7	14
		2	B				10	B	
Soft		-5	1		386.26		2		
		2	0.5	28	Very stiff, moist, grey, CLAY LOAM Till	-25	6	3.7	14
		2	B				7	B	
Stiff, moist, grey, SILTY CLAY	403.76						2		
		4	1.3	20	Hard		5	4.3	15
		5	B				9	B	
Stiff, moist, grey, SILTY LOAM	401.26						2		
		-10	2				40	1.7	16
		5	1.3	20	Soft, brown, SANDSTONE	380.26	16	B	
		5	S			379.76			
Stiff, moist, grey, SILTY CLAY	398.76				Benchmark: BM 475 - Cut Square in Southwest Corner of Bridge				
		1			Curb SN 096-2000, Sta. 297+10,				
		2	1.7	19	21 feet LT; Elevation = 411.563 feet.				
		3	B		End of Boring				
Medium, moist, grey, SILTY CLAY LOAM	395.76 -15						-35		
		2	1.0	16					
		3	B						
Stiff, moist, brown, CLAY LOAM	393.76								
		1							
		2	1.7	18					
		3	B						
	390.76 -20						-40		
		2							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), WH-Weight of Hammer,
NR-No Recovery, NT-Not Tested.

BBS, form 137 (Rev. 8-99)

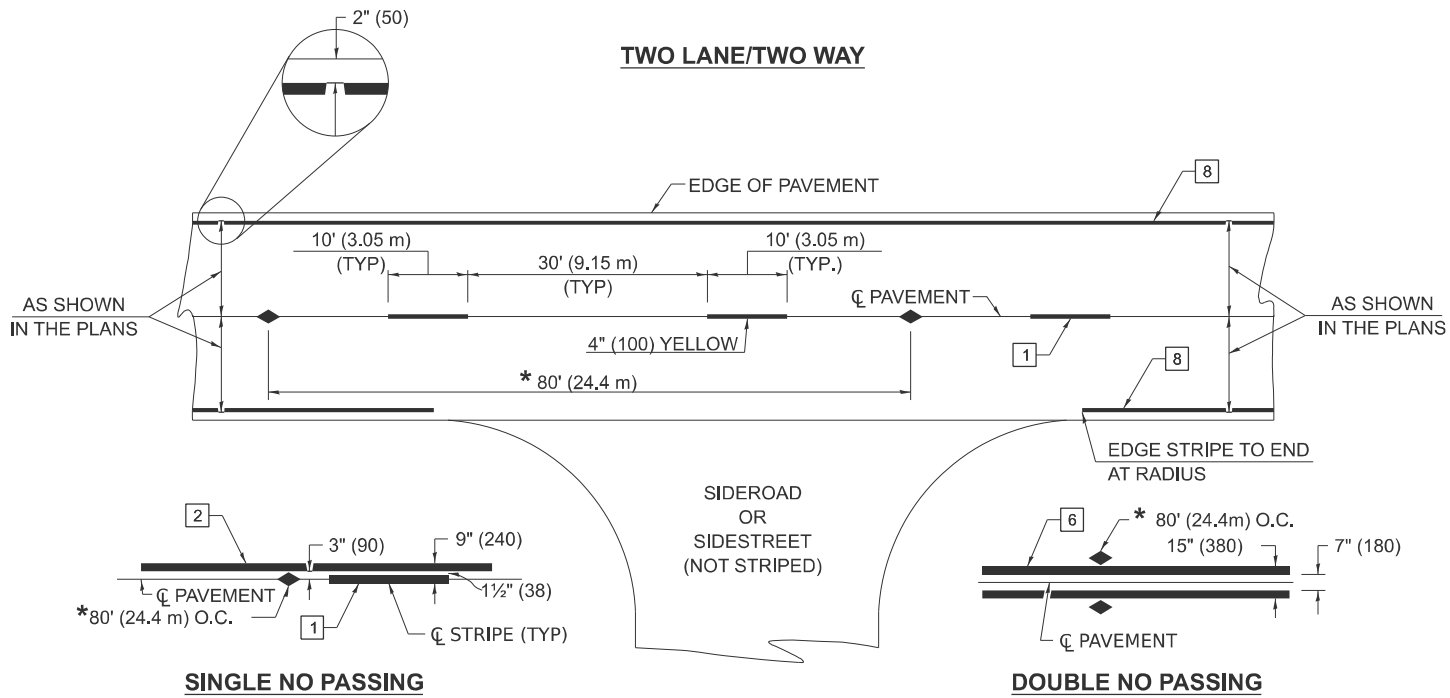


*All penetrations with 190 lb
hammer dropping 19.5" for 10 blows.*



*All penetrations with 190 lb
hammer dropping 19.5" for 10 blows.*

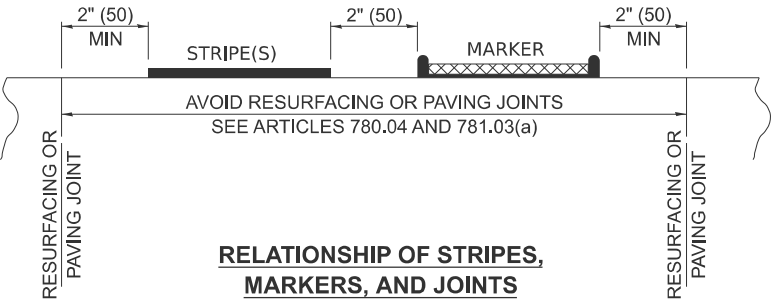
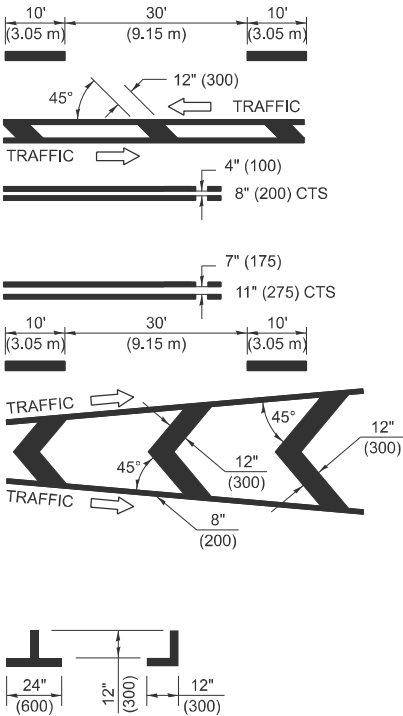
DESIGNED - TIFFANY L. ADAMS	EXAMINED		DATE - MAY 9, 2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS STRUCTURE NO. 096-2013	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - RYAN P. NEGANGARD	PASSED	ENGINEER OF BRIDGE DESIGN	REVISED -			821	(19B2) B-1	WAYNE	52	34
DRAWN - ANDRO R. SAMANIEGO		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			CONTRACT NO. 74648				
CHECKED - T.L.A. / R.P.N.						SHEET 13 OF 13 SHEETS				
					ILLINOIS		FED. AID PROJECT			



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 MPH (70 km/h) OR LESS.

PAVEMENT MARKERS LEGEND

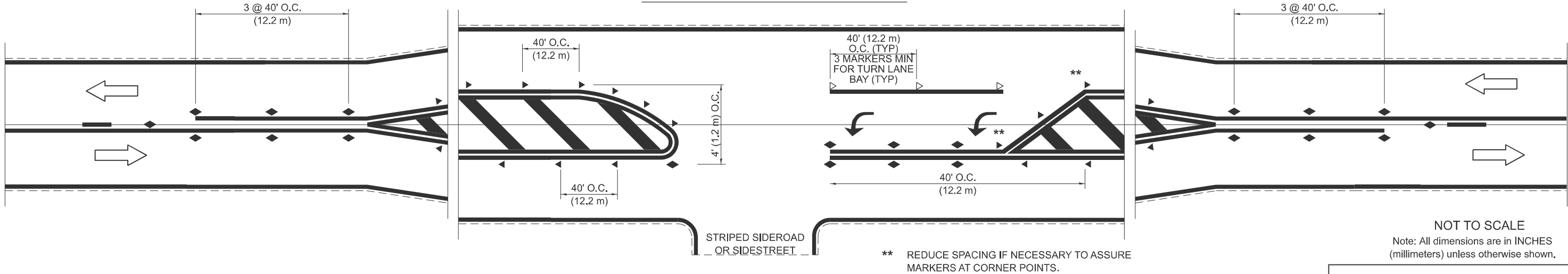
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID (WHITE)
- 6 4" (100) DOUBLE YELLOW (WIDE)
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING (WHITE)



TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RAISED REFLECTIVE PAVEMENT MARKERS



NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

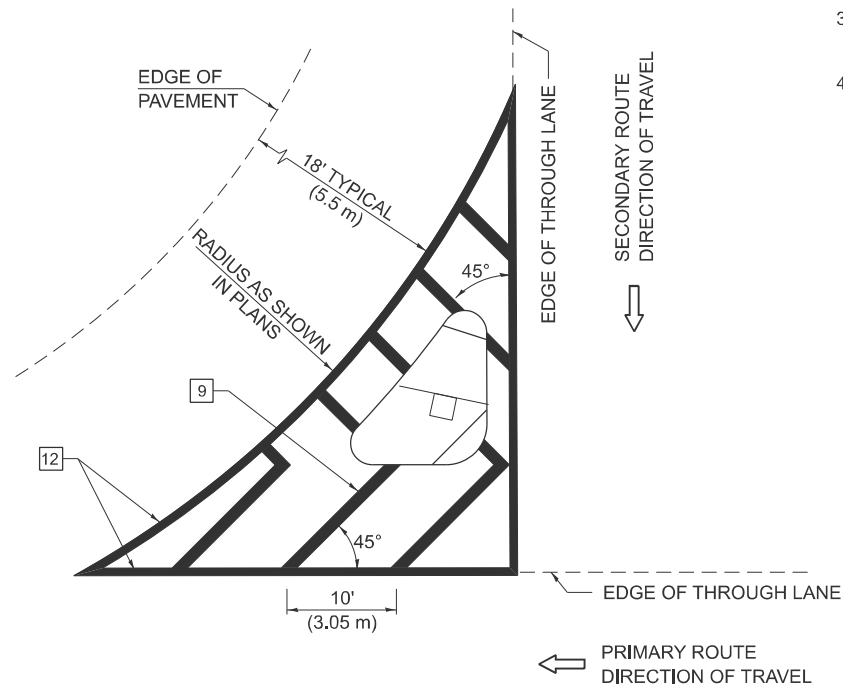
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL AND URBAN APPLICATIONS)

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

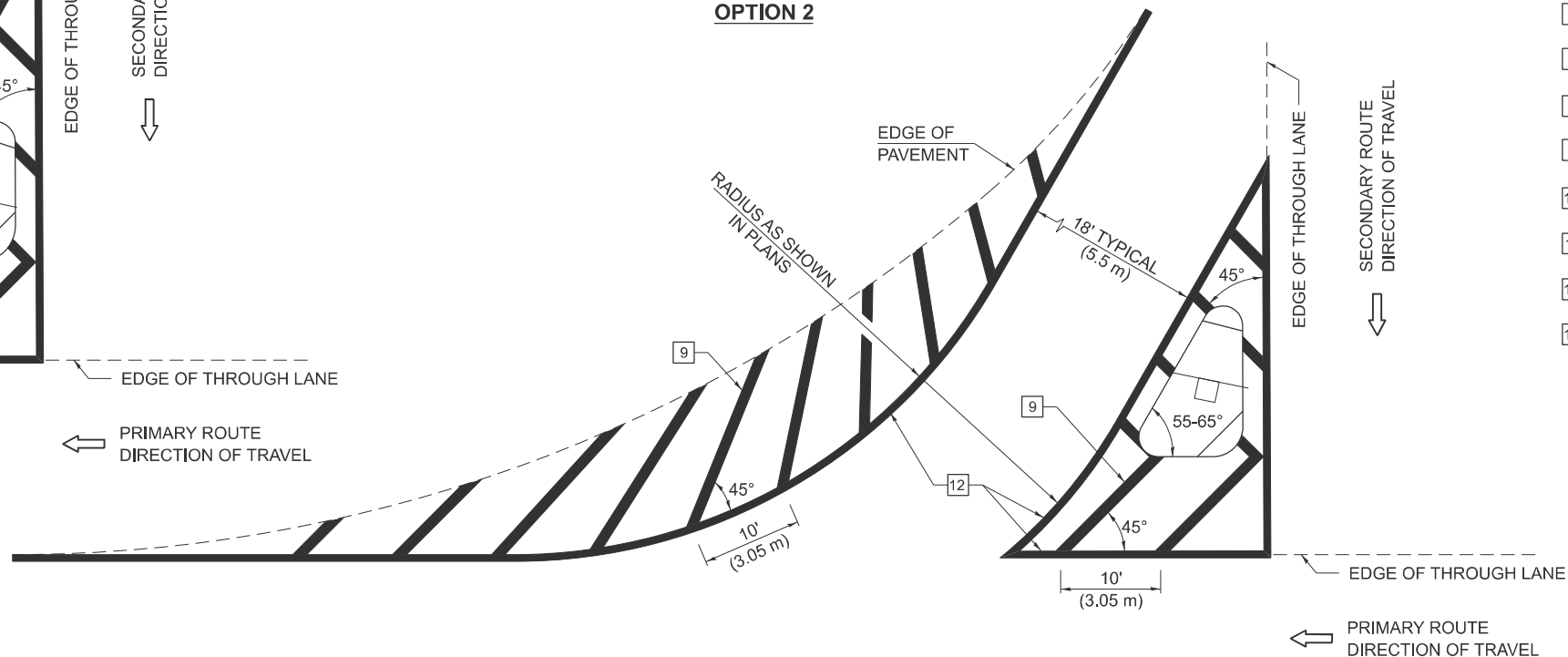
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2)B-1	WAYNE	52	35
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				

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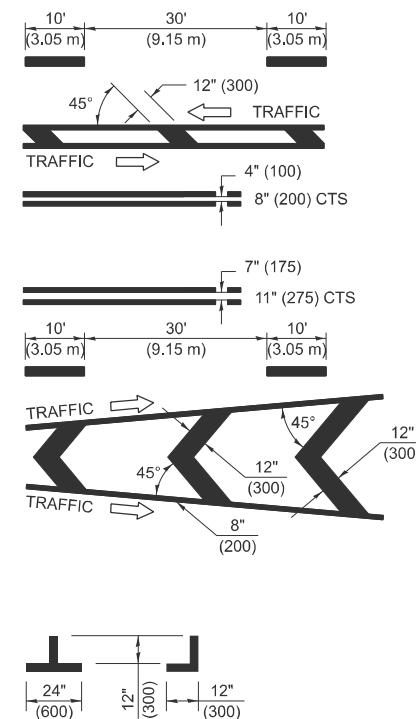
OPTION 1



OPTION 2



- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID (WHITE)
- 6 4" (100) DOUBLE YELLOW (WIDE)
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING (WHITE)



* PLACE AN ARROW 18' (5.5 m) BACK FROM END OF THE SOLID WHITE LINE. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE

Note: All dimensions are in INCHES
(millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL AND URBAN APPLICATIONS)

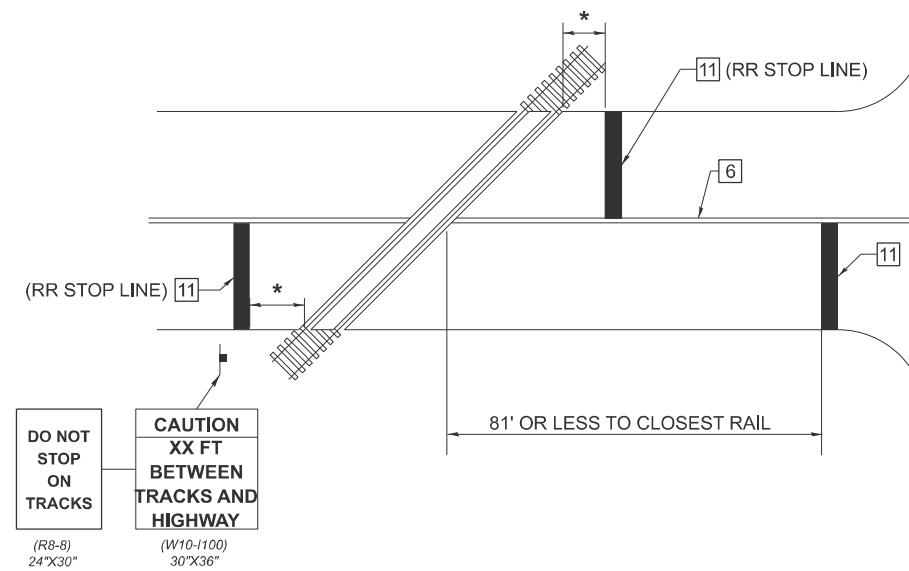
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2)B-1	WAYNE	52	37
		CONTRACT NO. 74648		
		ILLINOIS	FED. AID PROJECT	

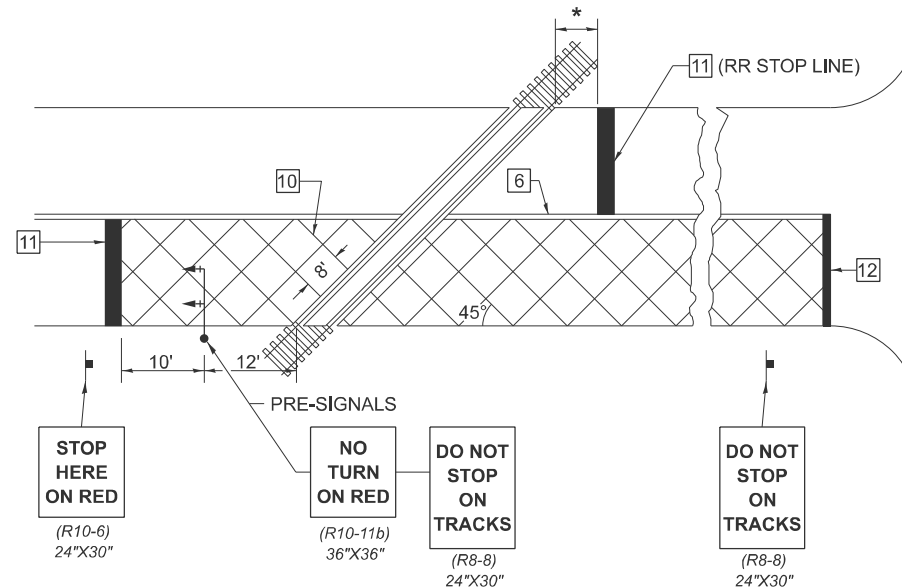
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PAVEMENT MARKING LEGEND

RAILROAD CROSSING WITH NON-SIGNALIZED INTERSECTION



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



-
- Figure 10.10 illustrates four typical cross-sections of a highway with a 12-in. (300-mm) concrete curb. The diagrams show the curb, the slope, and the traffic lane dimensions.
- (a) Standard Curb:** Shows a 12" (300) curb with a 45° slope. The traffic lane width is 30' (9.15 m). The curb height is 4" (100).
 - (b) Curb with 4" Height:** Shows a 12" (300) curb with a 45° slope. The traffic lane width is 30' (9.15 m). The curb height is 4" (100).
 - (c) Curb with 7" Height:** Shows a 12" (300) curb with a 45° slope. The traffic lane width is 30' (9.15 m). The curb height is 7" (175).
 - (d) Curb with 4" Height:** Shows a 12" (300) curb with a 45° slope. The traffic lane width is 30' (9.15 m). The curb height is 4" (100).

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE PRE-SIGNALS ARE USED.
3. WHEN PEDESTRIAN SIGNALS ARE PRESENT WITH INTERCONNECTED SIGNALS, WARNING SIGN W10-I101 (18"X24") SHALL BE PLACED NEAR EACH PEDESTRIAN SIGNAL HEAD. COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL NOT BE UTILIZED ALONG WITH INTERCONNECTED SIGNALS.

CAUTION

**WALK TIME
SHORTENED
WHEN TRAIN
APPROACHES**

(W10-I101)

18"X24"
4. PLEASE REFER TO THE IDOT BUREAU OF OPERATION MEMO OPS T-06 DATED DECEMBER 1, 2020 FOR ADDITIONAL INFORMATION.

CAUTION

**WALK TIME
SHORTENED
WHEN TRAIN
APPROACHES**

*(W10-I101)
18"X24"*

*** 15' FROM NEAR RAIL OR 8' FROM AND PARALLEL TO GATE IF PRESENT**

**** WARNING SIGN W10-1100 SHALL BE USED AS AN INTERIM MEASURE AT INTERCONNECTED SIGNAL LOCATIONS WHERE PRE-SIGNALS ARE TO BE INSTALLED IN THE FUTURE. THIS SIGN SHALL BE REMOVED WHEN THE PRE-SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS ARE EXTENDED TO THE INTERSECTION.**

NOT TO SCALE

Note: All dimensions are in INCHES
(millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLT DATE = 3/6/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

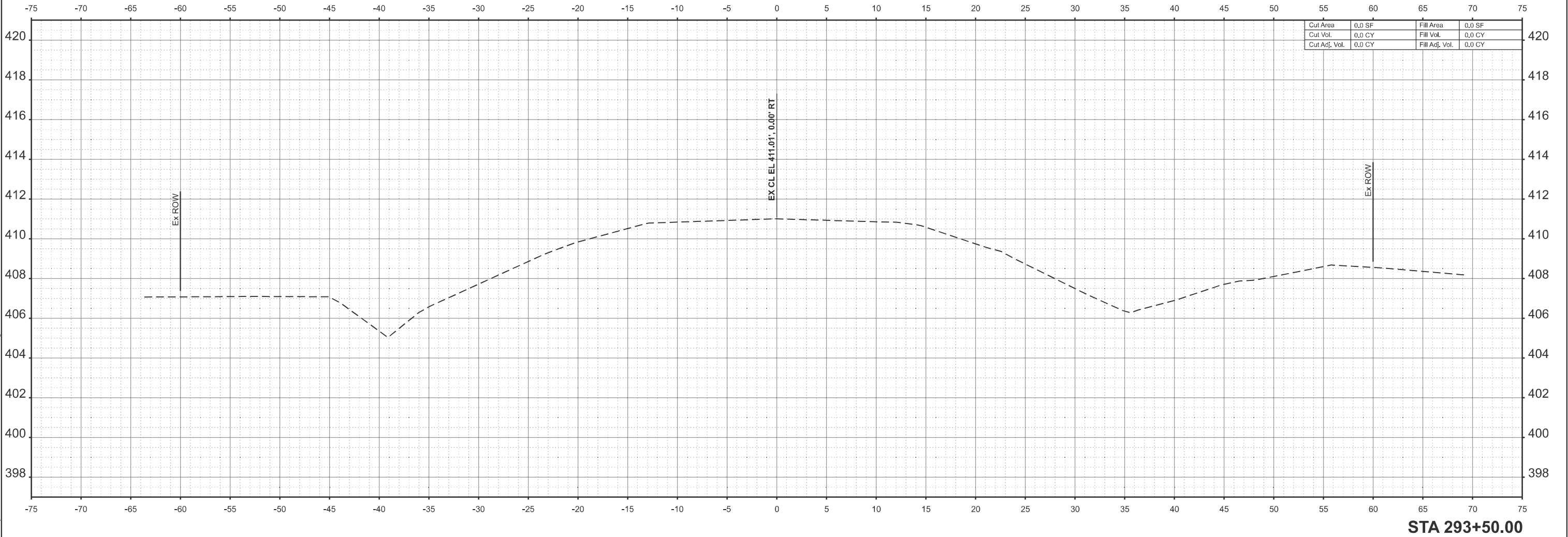
PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL AND URBAN APPLICATIONS)

SCALE:	SHEET 4	OF 4	SHEETS	STA.	TO STA.
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2)B-1	WAYNE	52	38
		CONTRACT NO. 74648		
		ILLINOIS	FED. AID PROJECT	

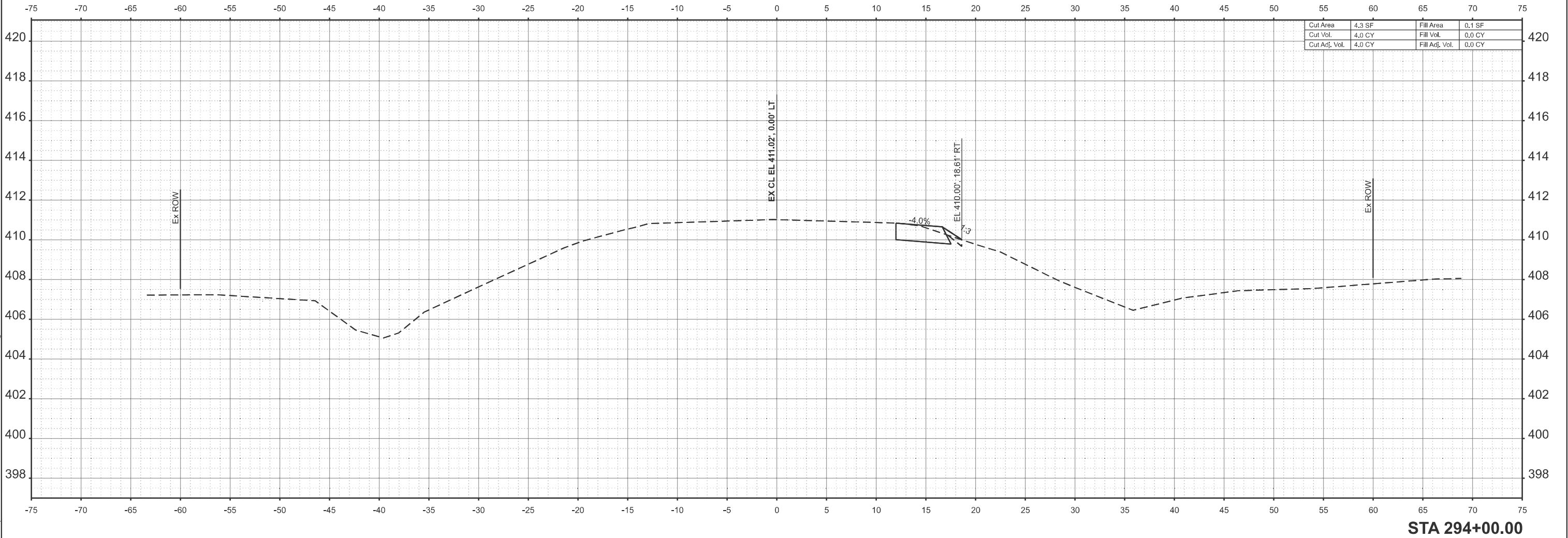
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USER NAME = kaleb.hirtzel DESIGNED - DRAWN - CHECKED - DATE - 3/6/2025				REVISED - REVISED - REVISED - REVISED -
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MODEL: 15ECPERIDGE - 294+00.00 [Sheet]
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Cut Area	4.3 SF	Fill Area	0.1 SF
Cut Vol.	4.0 CY	Fill Vol.	0.0 CY
Cut Adj. Vol.	4.0 CY	Fill Adj. Vol.	0.0 CY

STA 294+00.00

USER NAME	= kaleb.hirtzel	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 3/6/2025	DATE	-	REVISED	-

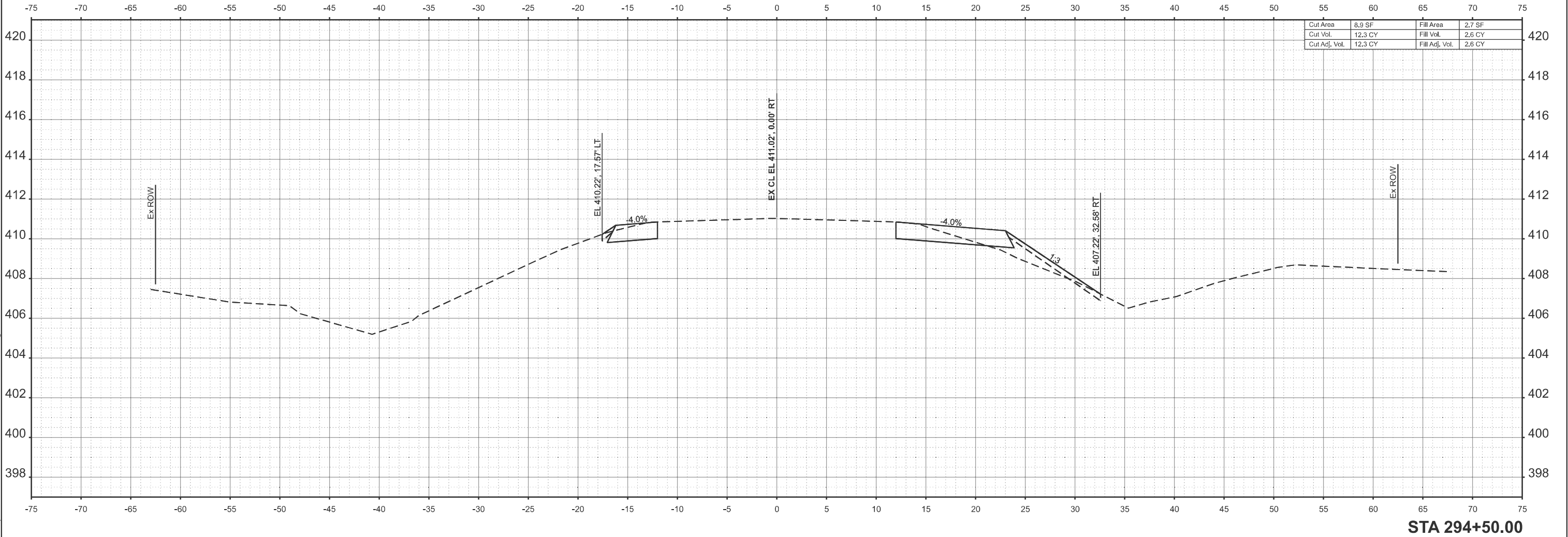
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=5' SHEET 2 OF 14 SHEETS STA. TO STA.

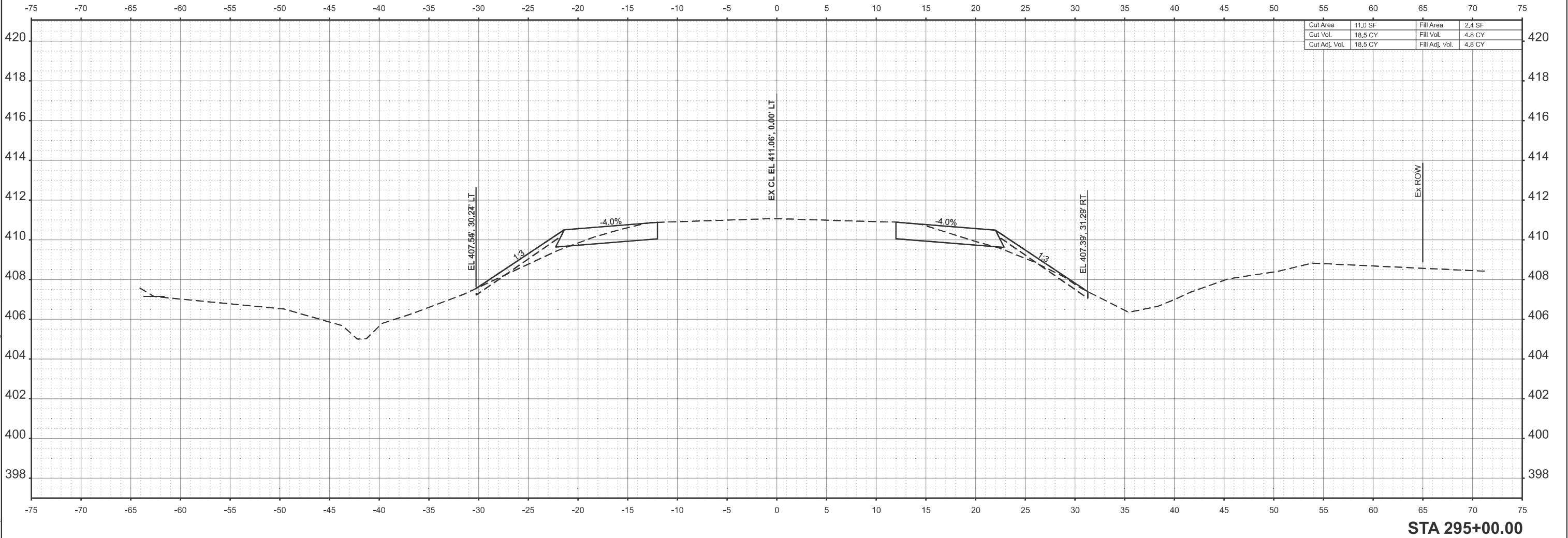
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	(19B2)B-1	WAYNE	52	40
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		821	(19B2)B-1	WAYNE	52	41
		CONTRACT NO. 74648				
		ILLINOIS FED. AID PROJECT				
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	SCALE: 1"=5' SHEET 3 OF 14 SHEETS STA. TO STA.			
	DRAWN -	REVISED -				
	CHECKED -	REVISED -				
PLOT DATE = 3/6/2025	DATE -	REVISED -				

MODEL: 15ECPERIDGE - 295+00.00 [Sheet]
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Cut Area	11.0 SF	Fill Area	2.4 SF
Cut Vol.	18.5 CY	Fill Vol.	4.8 CY
Cut Adj. Vol.	18.5 CY	Fill Adj. Vol.	4.8 CY

USER NAME	= kaleb.hirtzel	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 3/6/2025	DATE	-	REVISED	-

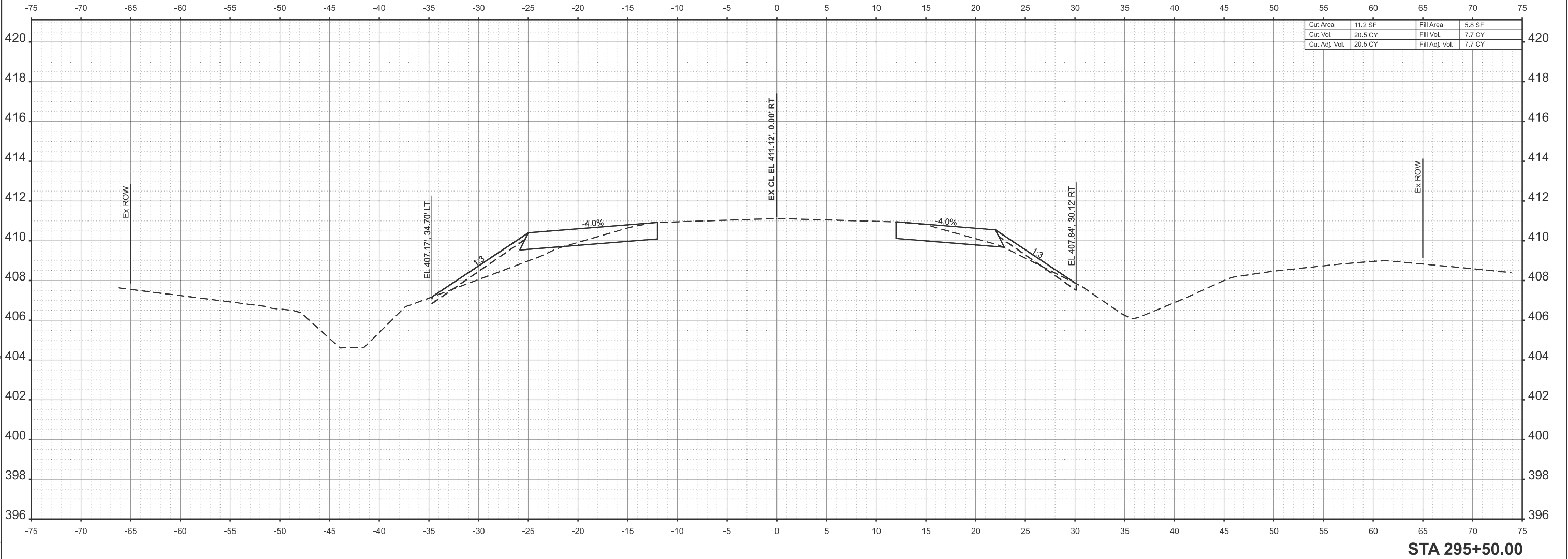
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=5' SHEET 4 OF 14 SHEETS STA. TO STA.

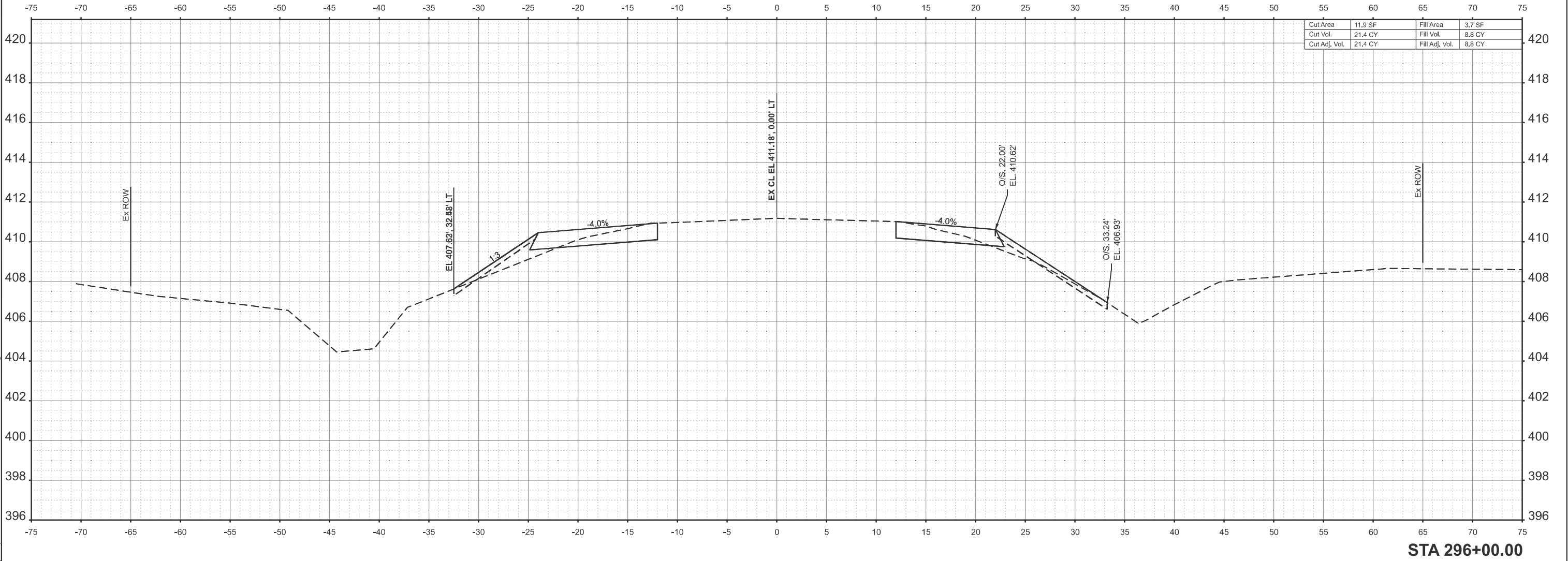
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821	(19B2)B-1	WAYNE	52	42
CONTRACT NO. 74648				
ILLINOIS FED. AID PROJECT				

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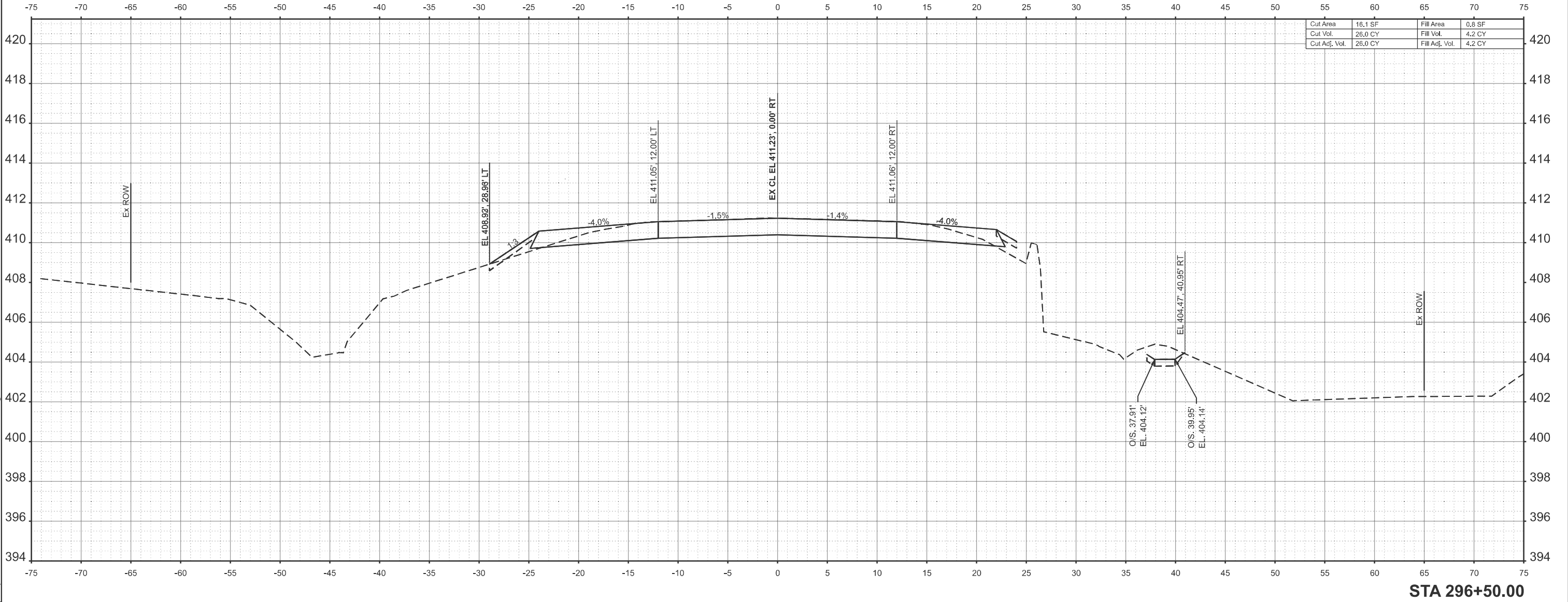
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		DRAWN -	REVISED -					821	(19B2)B-1	WAYNE	52	43
		CHECKED -	REVISED -					CONTRACT NO. 74648				
	PLOT DATE = 3/6/2025	DATE -	REVISED -		SCALE: 1"=5'	SHEET 5	OF 14 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

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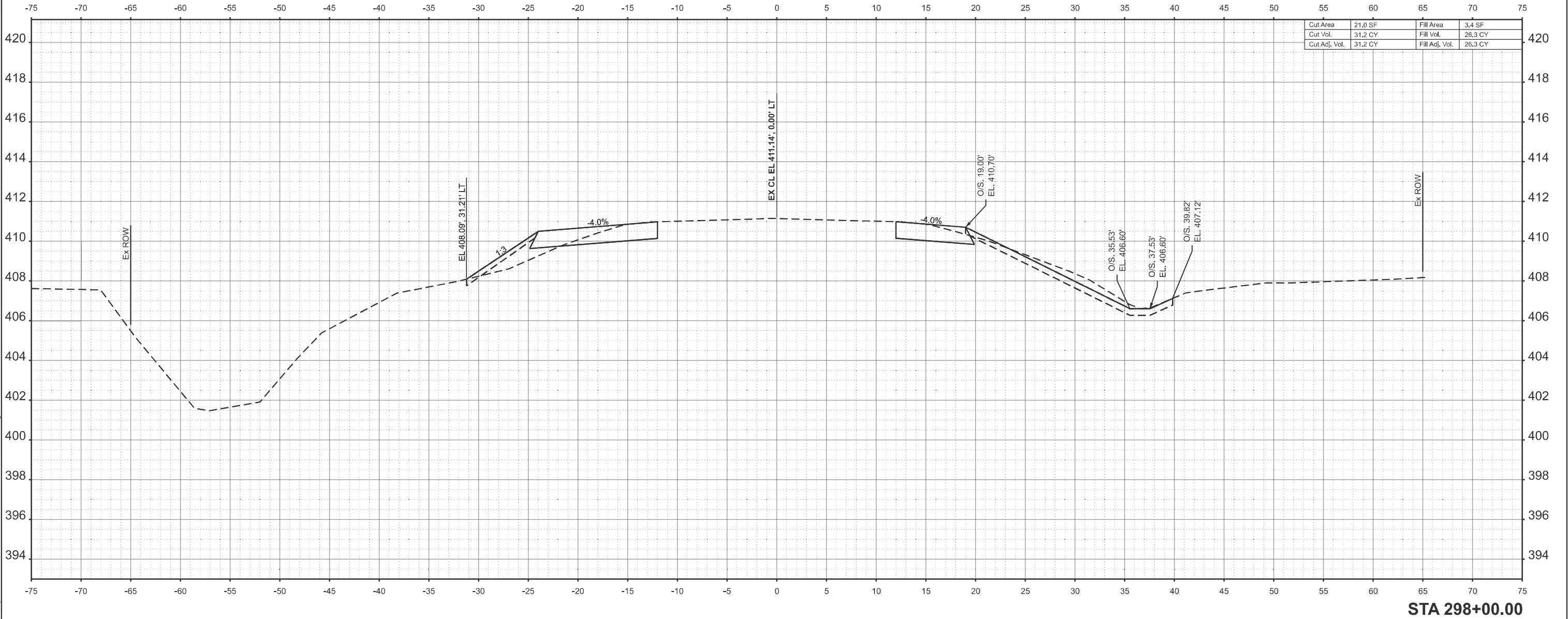
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	DRAWN	-	REVIS	-	REVISED	-					821	(19B2)B-1	WAYNE	52	44
	CHECKED	-	REVIS	-	REVISED	-		CONTRACT NO. 74648							
	PLOT DATE	= 3/6/2025	DATE	-	REVISED	-		SCALE: 1"=5'	SHEET 6	OF 14 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

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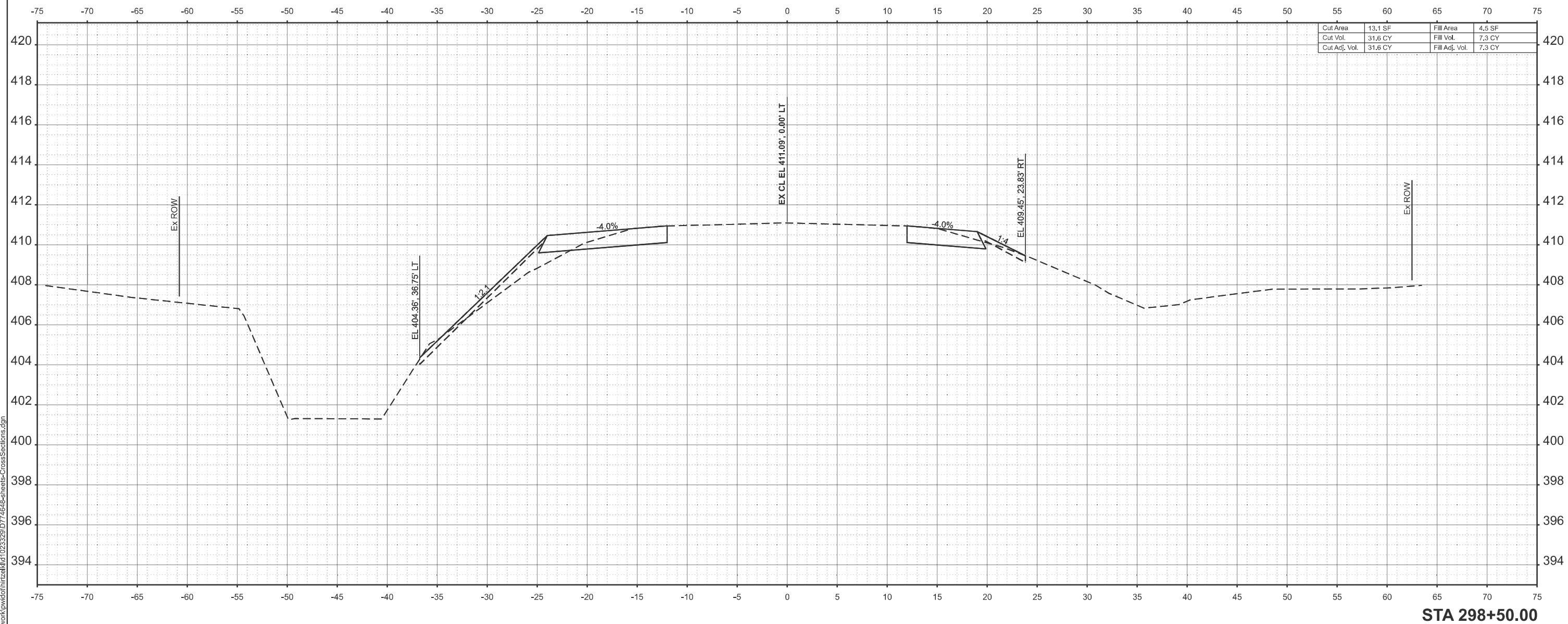
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		DRAWN -	REVISED -						821	(19B2)B-1	WAYNE	52	45
		CHECKED -	REVISED -		CONTRACT NO. 74648								
	PLOT DATE = 3/6/2025	DATE -	REVISED -		SCALE: 1"=5'	SHEET 7	OF 14 SHEETS	STA.	TO STA.				
					ILLINOIS FED. AID PROJECT								

MODEL: 15ECPERIDGE - 298+00.00 [Sheet]
FILE NAME: c:\pwworking\hartzel\1023329\DT774648-sheets-CrossSections.dgn



Cut Area	21.0 SF	Fill Area	3.4 SF
Cut Vol.	31.2 CY	Fill Vol.	26.3 CY
Cut Adj. Vol.	31.2 CY	Fill Adj. Vol.	26.3 CY

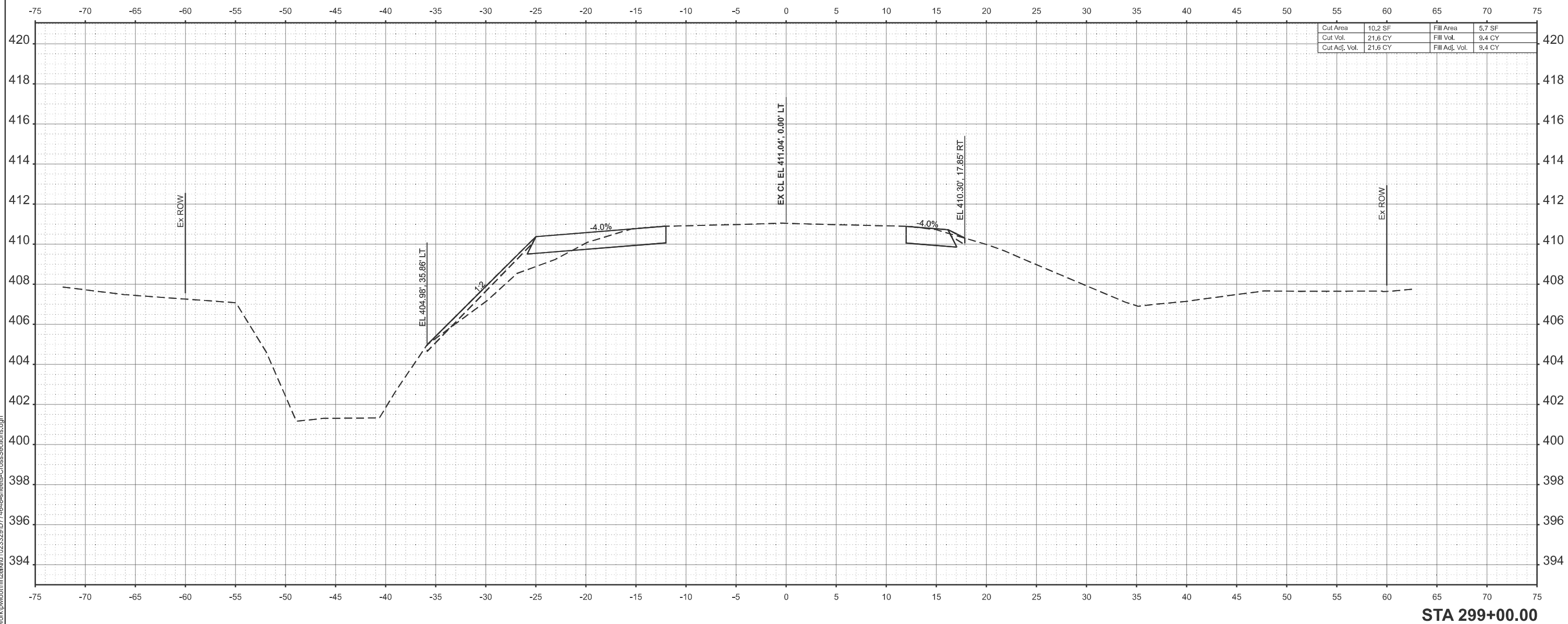
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		DRAWN -	REVISED -						821	(19B2)B-1	WAYNE	52	48
		CHECKED -	REVISED -		CONTRACT NO. 74648								
	PLOT DATE = 3/6/2025	DATE -	REVISED -		SCALE: 1"=5'	SHEET 10	OF 14 SHEETS	STA.	TO STA.				
					ILLINOIS FED. AID PROJECT								



Cut Area	13.1 SF	Fill Area	4.5 SF
Cut Vol.	31.6 CY	Fill Vol.	7.3 CY
Cut Adj. Vol.	31.6 CY	Fill Adj. Vol.	7.3 CY

MODEL: 15EOFBRIDGE - 298+50.00 [Sheet]
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FILE NAME:	USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						821	(19B2)B-1	WAYNE	52	49
		CHECKED -	REVISED -						CONTRACT NO. 74648				
	PLOT DATE = 3/6/2025	DATE -	REVISED -		SCALE: 1"=5'	SHEET 11	OF 14 SHEETS	STA.	TO STA.				
						ILLINOIS	FED. AID PROJECT						



Cut Area	10.2 SF	Fill Area	5.7 SF
Cut Vol.	21.6 CY	Fill Vol.	9.4 CY
Cut Adj. Vol.	21.6 CY	Fill Adj. Vol.	9.4 CY

MODEL: 15EOFBRIDGE - 299+00.00 [Sheet]
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USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/6/2025	DATE -	REVISED -

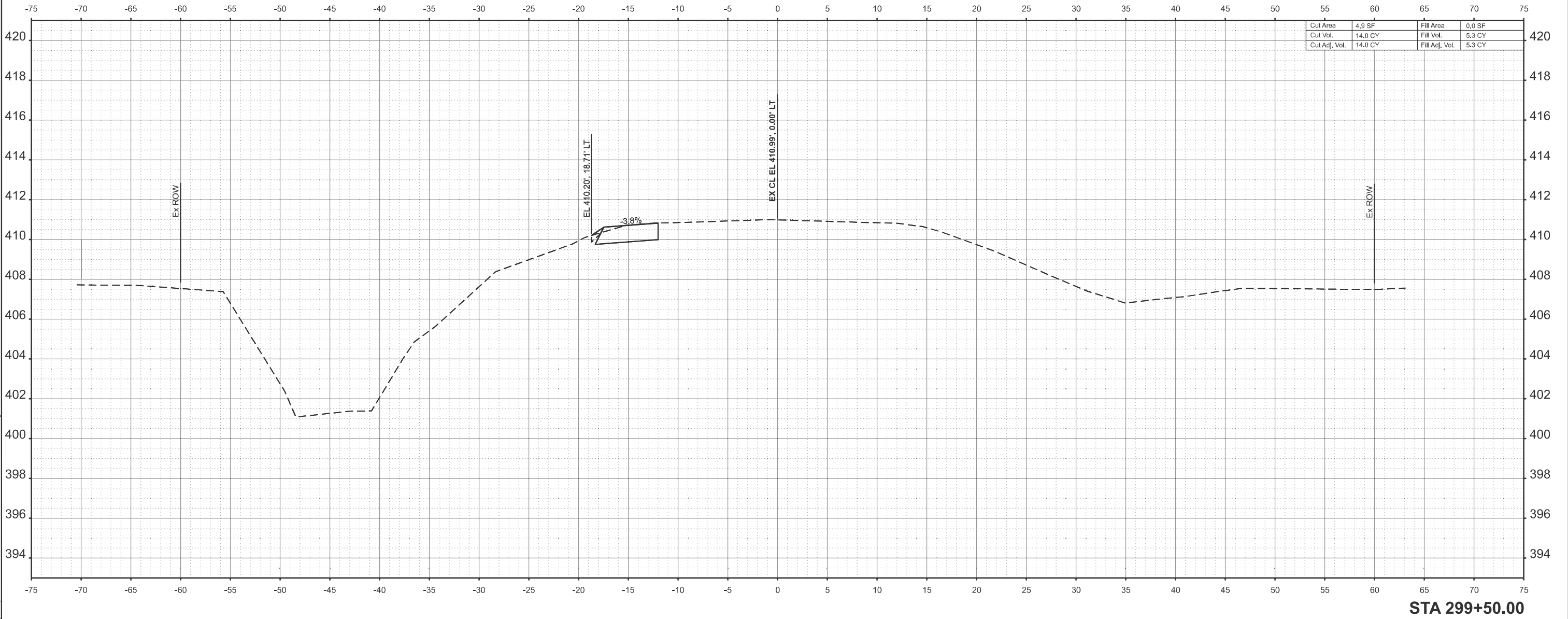
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=5'	SHEET 12	OF 14	SHEETS	STA.	TO STA.
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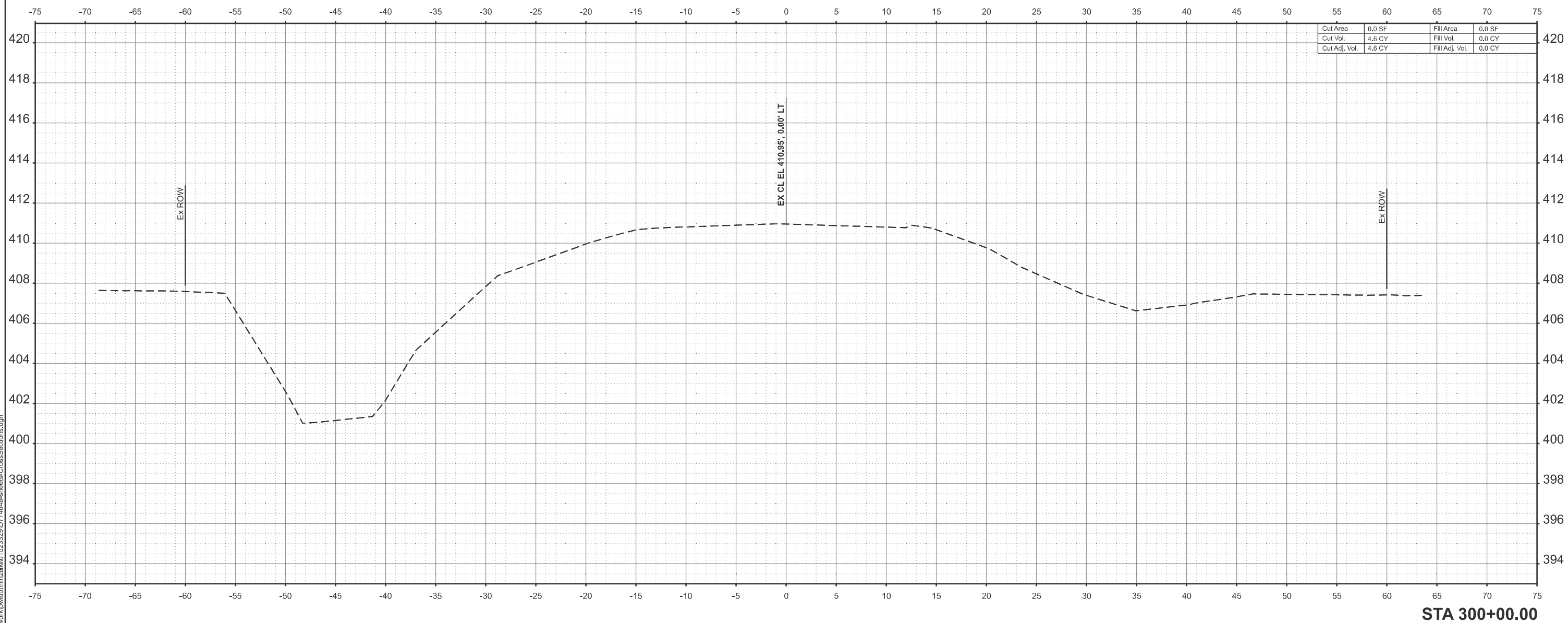
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821	(19B2)B-1	WAYNE	52	50
		CONTRACT NO. 74648		
ILLINOIS		FED. AID PROJECT		

MODEL: 15ECPERIDGE - 299+50.00 [Sheet]
FILE NAME: c:\pwworking\hartzel\1023329\DT774648-sheets-CrossSections.dgn



STA 299+50.00

	USER NAME	= kaleb.hirtzel	DESIGNED	-	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN	-	REVIS	-	REVISED	-					821	(19B2)B-1	WAYNE	52	51
	CHECKED	-	REVIS	-	REVISED	-					CONTRACT NO. 74648				
	PLOT DATE	= 3/6/2025	DATE	-	REVISED	-		SCALE: 1"=5'	SHEET 13	OF 14 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	



Cut Area	0.0 SF	Fill Area	0.0 SF
Cut Vol.	4.6 CY	Fill Vol.	0.0 CY
Cut Adj. Vol.	4.6 CY	Fill Adj. Vol.	0.0 CY

MODEL: 15EOFBRIDGE - 300+00.00 [Sheet]
FILE NAME: c:\pw work\pwidth\hinz\elid\023329\D774648-sheets-CrossSections.dgn

FILE NAME:	USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							821	(19B2)B-1	WAYNE	52	52
		CHECKED -	REVISED -							CONTRACT NO. 74648				
	PLOT DATE = 3/6/2025	DATE -	REVISED -		SCALE: 1"=5'	SHEET 14	OF 14	SHEETS	STA.	TO STA.				
											ILLINOIS FED. AID PROJECT			