

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	1
		ILLINOIS	CONTRACT NO. 70581	

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3-7

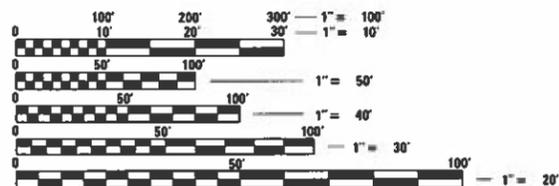
**PROPOSED  
HIGHWAY PLANS**

FAP 801 (ILL 10)  
SECTION 4BR  
PROJECT NHPP-550N(100)  
BRIDGE REPLACEMENT  
CHAMPAIGN COUNTY

C-95-042-10  
COPPER SLOUGH E OF DUNCAN RD



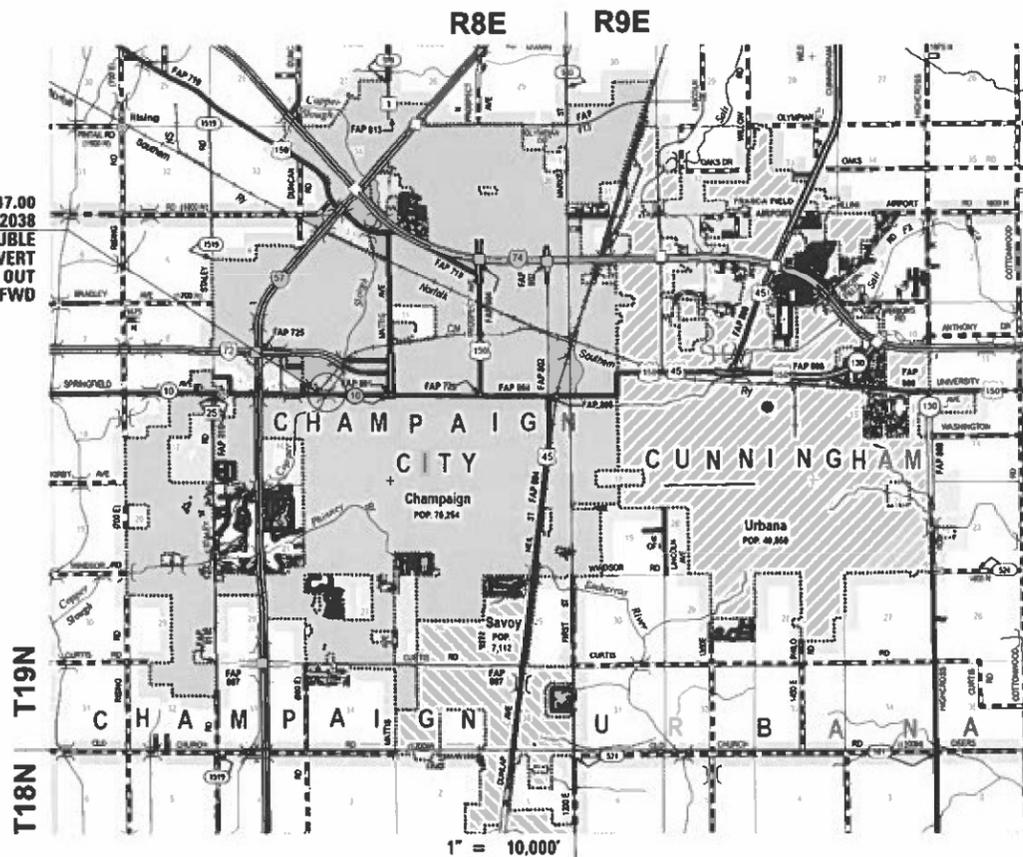
STA. 64+47.00  
EX: SN 010-0135 PR: SN 010-2038  
CAST IN PLACE PR DOUBLE  
CELL 10'X12' BOX CULVERT  
100'-0" OUT TO OUT  
22 LT FWD



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 CHAMPAIGN TOWNSHIP

PROJECT ENGINEER RYAN T. CARROLL, P.E.  
PROJECT MANAGER CLARE B. DIETZ, P.E.  
PHONE: 217-465-4181  
CONTRACT NO. 70581



GROSS LENGTH = 130.00 FT. = 0.025 MILE  
NET LENGTH = 130.00 FT. = 0.025 MILE



ROBERT HANFLAND, PE  
STATE OF ILLINOIS NO. 062-064104  
EXPIRES 11-30-2023

FUNCTIONAL CLASSIFICATION  
OTHER PRINCIPAL ARTERIAL  
2021 ADT = 11,900  
P.V. = 94.4% S.U. = 2.9% M.U. = 2.7%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED 3/16/2023  
Kenia A. Marnett, SW  
REGIONAL ENGINEER  
May 12, 2023 [Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT  
May 12, 2023 [Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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## HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
515001-04	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602401-07	PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LID TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS/LIST OF STANDARDS/GENERAL NOTES
3-8	SUMMARY OF QUANTITIES
9	TYPICAL SECTIONS
10-11	SCHEDULE OF QUANTITIES
12	ALIGNMENT, CONTROL POINTS, & BENCHMARKS
13	PLAN & PROFILE
14	REMOVAL PLAN
15	DRAINAGE PLAN & PROFILE
16	ENTRANCE PLAN
17	SIDEWALK DETAILS
18-22	DETOUR
23	RIGHT OF WAY
24-34	STRUCTURE 010-2038 SHEETS
35-36	DISTRICT 5 DETAIL NO. 40800050C
37	DISTRICT 5 DETAIL NO. 54248510
38	DISTRICT 5 DETAIL NO. 60600095A
39	DISTRICT 5 DETAIL NO. 70200000
40-43	DISTRICT 5 DETAIL NO. 7800AAAA
44-49	CROSS SECTIONS
50	CHANNEL CROSS SECTIONS

## COMMITMENTS

PARCEL NO. 5171202TE

AS A RESULT OF RIGHT-OF-WAY NEGOTIATIONS, THE PROPERTY OWNER, MR. VICTOR FUENTES, HAS SELECTED (LIST TREE DESCRIPTIONS & QUANTITIES OF EACH) AS REPLACEMENTS FOR TREES TO BE REMOVED DURING CONSTRUCTION OPERATIONS. FOR PLACEMENT OF THESE TREES, MR. FUENTES CAN BE REACHED AT THE FOLLOWING PHONE NUMBER: (217) 202-7327

## GENERAL NOTES

G.N.-100B  
MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

G.N.-105.09A  
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-201  
TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS.

G.N.-406H  
MIXTURE REQUIREMENTS  
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Location	IL 10
Mixture Use	Incidental & Temporary Pavement
AC/PG	SBS PG 70-22
Design Air Voids	4.0% @ Ndes=70
Mix Comp(Gradation)	IL 9.5
Friction Aggregate	Mix D
Mixture Weight	112
Quality Management Program	QC/QA
Sublot Size	3000
Material Transfer Device (Required ?)	NO

G.N.-440B  
THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.- 542.07  
AT LOCATIONS WHERE END SECTIONS ARE SPECIFIED, CAST-IN-PLACE CONCRETE HEADWALLS WILL NOT BE ALLOWED.

G.N.- 781  
THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

EXISTING TOPSOIL IN THE AREAS OF EARTH EXCAVATION SHALL BE STRIPPED AND STORED FOR USE FOR FINAL GRADING. THIS WORK SHALL BE INCIDENTAL TO EARTH EXCAVATION.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS  
& COMMITMENTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	2
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

USER NAME = rhanland	DESIGNED -	REVISED - RLH 5/8/2023
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	CHECKED -	REVISED -
PLOT DATE = 5/10/2023	DATE -	REVISED -

FAP 801 (ILL 10)  
 FED 80%  
 STATE 20%  
 CHAMPAIGN COUNTY  
 URBAN  
 BOX CULVERT  
 0010  
 010-2038

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	14	14
20200100	EARTH EXCAVATION	CU YD	110	110
20400800	FURNISHED EXCAVATION	CU YD	63	63
20700220	POROUS GRANULAR EMBANKMENT	CU YD	964	964
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	26	26
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	26	26
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	26	26
25100115	MULCH, METHOD 2	ACRE	0.25	0.25
25200100	SODDING	SQ YD	278	278
25200200	SUPPLEMENTAL WATERING	UNIT	1	1
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	350	350
28000400	PERIMETER EROSION BARRIER	FOOT	100	100
28000500	INLET AND PIPE PROTECTION	EACH	2	2

\* SPECIALTY ITEM

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DRAWN -	REVISOR -	
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PLOT DATE = 3/14/2023	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: 1" = 1'-0" SHEET 1 OF 6 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	3
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

FAP 801 (ILL 10)  
 FED 80%  
 STATE 20%  
 CHAMPAIGN COUNTY  
 URBAN  
 BOX CULVERT  
 0010  
 010-2038

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
28100109	STONE RIPRAP, CLASS A5	SQ YD	134	134
28200200	FILTER FABRIC	SQ YD	134	134
28400100	GABIONS	CU YD	33	33
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	94	94
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	461	461
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	46	46
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	107	107
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1490	1490
* 42400800	DETECTABLE WARNINGS	SQ FT	20	20
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	321	321
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	289	289
44000600	SIDEWALK REMOVAL	SQ FT	398	398
44201371	CLASS C PATCHES, TYPE IV, 11 INCH	SQ YD	520	520
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1

\* SPECIALTY ITEM

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CMC OCS, C<sup>2</sup>, INC.  
 WBE / DBE  
 EFFINGHAM, IL  
 LIC. #784.003ZZZ

USER NAME = rmanland  
 PLOT SCALE = 0.16666633 / in.  
 PLOT DATE = 3/14/2023

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: 1" = 1'-0" | SHEET 2 OF 6 SHEETS | STA. + TO STA. +

SECTION	4BR	COUNTY	CHAMPAIGN
	so		4
CONTRACT NO. 70581		ILLINOIS   FED. AID PROJECT	

FAP 801 (ILL 10)  
 FED 80%  
 STATE 20%  
 CHAMPAIGN COUNTY  
 URBAN  
 BOX CULVERT  
 0010  
 010-2038

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1
50105220	PIPE CULVERT REMOVAL	FOOT	128	128
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	99	99
50800105	REINFORCEMENT BARS	POUND	77,960	77,960
* 50901720	BICYCLE RAILING	FOOT	140	140
51500100	NAME PLATES	EACH	1	1
52200015	PERMANENT SHEET PILING	SQ FT	195	195
54003000	CONCRETE BOX CULVERTS	CU YD	377.2	377.2
5421D018	PIPE CULVERTS, CLASS D, TYPE 1 18" (TEMPORARY)	FOOT	40	40
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2
54248510	CONCRETE COLLAR	CU YD	1.3	1.3
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	22	22
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	156	156
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	13	13

\* SPECIALTY ITEM

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 PLOT DATE = 3/14/2023

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: 1" = 1'-0" SHEET 3 OF 6 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	5
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

FAP 801 (ILL 10)  
 FED 80%  
 STATE 20%  
 CHAMPAIGN COUNTY  
 URBAN  
 BOX CULVERT  
 0010  
 010-2038

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
550A0500	STORM SEWERS, CLASS A, TYPE 2 60"	FOOT	13	13
55100500	STORM SEWER REMOVAL 12"	FOOT	12	12
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	296	296
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	1.2	1.2
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	40	40
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	305	305
63200310	GUARDRAIL REMOVAL	FOOT	159	159
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	14
70300100	SHORT TERM PAVEMENT MARKING	FOOT	48	48
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	16	16
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	62	62

\* SPECIALTY ITEM

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

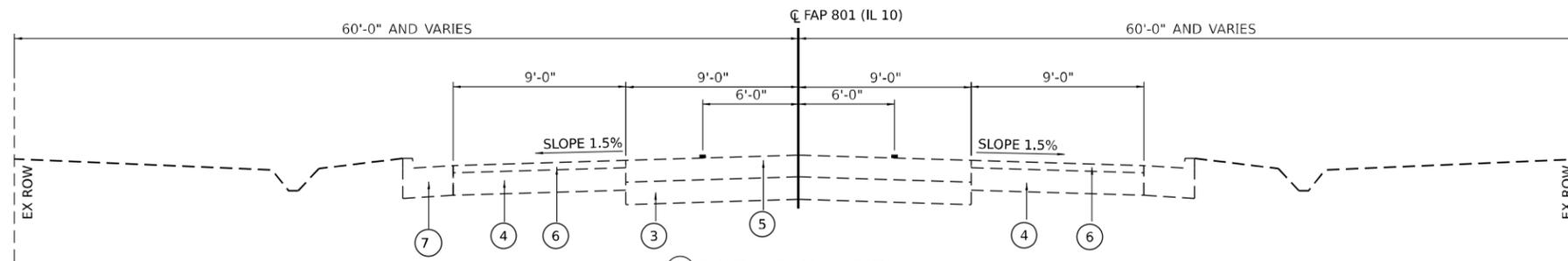
**SUMMARY OF QUANTITIES**

SCALE: 1" = 1'-0" SHEET 4 OF 6 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

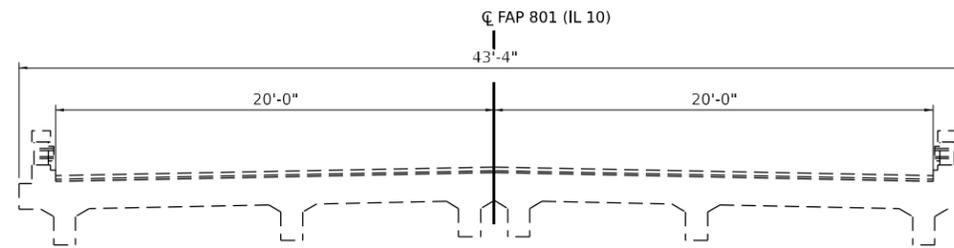
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	6
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				



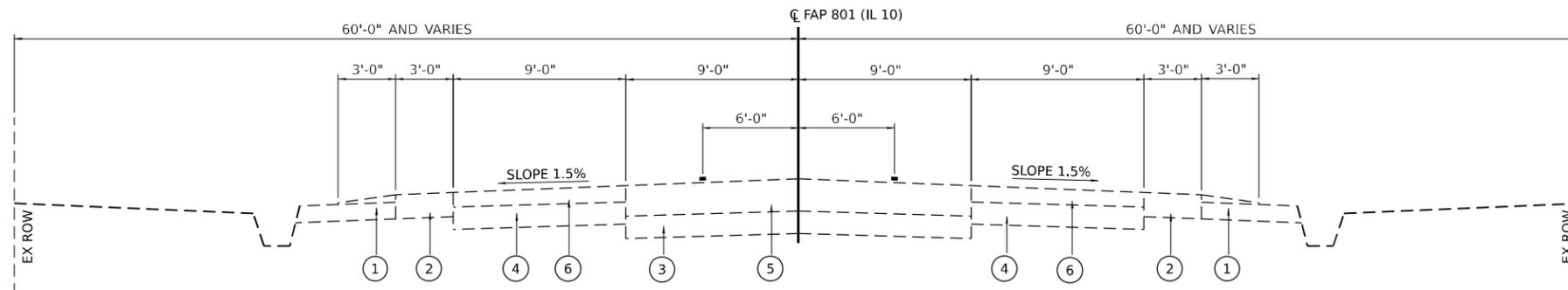




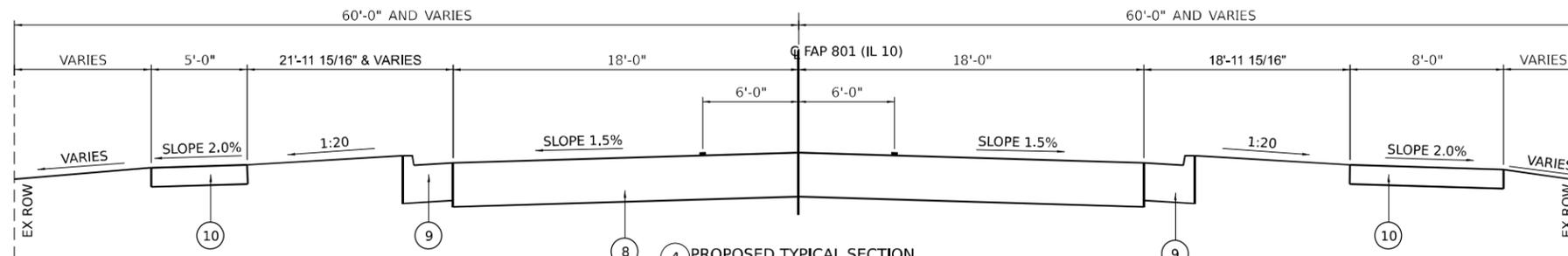
1 EXISTING TYPICAL SECTION  
STA. 63+85.00 TO STA. 64+34.06



2 EXISTING BRIDGE TYPICAL SECTION  
STA. 64+34.06 TO STA. 64+65.90



3 EXISTING TYPICAL SECTION  
STA. 64+65.90 TO STA. 65+15.00



4 PROPOSED TYPICAL SECTION  
STA. 63+85.00 TO STA. 65+15.00

- 1 EXISTING AGGREGATE SHOULDER, TYPE B
- 2 EXISTING HMA SHOULDERS 9.25" ±
- 3 EXISTING P.C.C. PAVEMENT, 7"
- 4 EXISTING P.C.C. BASE COURSE, 7"
- 5 EXISTING HMA SURFACE 7.5" ±
- 6 EXISTING HMA SURFACE 5.25" ±
- 7 EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- 8 PROPOSED CLASS C PATCHES, TYPE IV, 11"
- 9 PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (10.5" DEPTH)
- 10 PROPOSED PCC SIDEWALK 5"

MODEL: Typical Sections (Sheet)  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	9
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

ENTRANCE SCHEDULE									
STATION	SIDE	THROAT WIDTH	LEGTH (EOP TO BACK OF ENTRANCE)	AREA	31101900	40800025	40800050	42300200	Z0062456
					SUBBASE GRANULAR MATERIAL, TYPE C	BITUMINOUS MATERIALS (PRIME COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING (4" THICK)	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	TEMPORARY PAVEMENT
		FEET	FEET	SQ YD	TON	POUND	TON	SQ YD	SQ YD
63+98	LT	30.3	25.5	107.0				107.0	
64+93	RT	23.0	24.0	85.0	38.7	191.3	19.0		
65+07	LT	30.2	28.4	119.5	54.4	268.9	26.8		
61+94	LT	20.0	93.0	222.9					222.9
65+46	LT	20.0	41.0	85.9					85.9
65+68	RT	20.0	58.1	93.3					93.3
				TOTAL	93.1	460.2	45.8	107.0	402.1
				USE	94	461	46	107	403
					TON	POUND	TON	SQ YD	SQ YD

REMOVAL SCHEDULE														COMMENT	
STATION	TO	STATION	SIDE	20100110 TREE REMOVAL (6 TO 15 UNITS DIAMTER)	44000200 DRIVEWAY PAVEMENT REMOVAL	44000500 COMBINATION CURB AND GUTTER REMOVAL	44000600 SIDEWALK REMOVAL	50105220 PIPE CULVERT REMOVAL	55100500 STORM SEWER REMOVAL, 12"	63200310 GUARDRAIL REMOVAL	72400200 REMOVE SIGN PANEL ASSEMBLY - TYPE B	72400500 REMOVE SIGN PANEL ASSEMBLY - TYPE A	X0322936 REMOVE EXISTING FLARED END SECTION		X0323265 REMOVE EXISTING RIPRAP
				UNIT	SQ YD	FOOT	SQ FT	FOOT	FOOT	FOOT	EACH	EACH	EACH	SQ YD	
60+99			RT								1				WEIGHT LIMIT SIGN
61+74	62+21		LT			47									EXIST. 6.24 C&G
61+74	62+21		LT			47									DEPRESSED 6.24 C&G PUT IN FOR TEMP ENT.
61+84	62+04		LT			20									EXIST. 6.12 C&G IN PARKING LOT
61+84	62+04		LT			20									DEPRESSED 6.12 C&G PUT IN FOR TEMP ENT.
61+83	62+05		LT				88								
61+88			44' LT	7											
61+95			85' LT	7											
63+70	63+97		RT				135								
63+75	64+28		RT							57					
63+85	64+28		RT			43									EXIST. 6.24 C&G
64+40			LT											47	GRouted RIP RAP
64+62	64+74		RT				60								
63+72	64+39		LT			67									EXIST. 6.24 C&G
63+98			LT		121	45	115			41					C.E. PCC, EXIST. 6.12 C&G
64+63			RT								1				SPEED LIMIT SIGN
64+75			LT											67	GRouted RIP RAP
64+77			LT								1				SPEED LIMIT SIGN
64+93			RT		86					32					C.E. HMA
65+07			LT		114					29					C.E. HMA
64+07			RT						12						LENGTH INCLUDES END SECTION
64+04			42' RT										1		24" END SECTION
64+40			39' LT										1		60" END SECTION
64+48	64+55		RT					58							18" CMP
64+74	65+44		LT					70							18" CMP
69+97			LT								1				WEIGHT LIMIT SIGN
TOTAL				14	321	289	398	128	12	159	2	2	2	114	
				UNIT	SQ YD	FOOT	SQ FT	FOOT	FOOT	FOOT	EACH	EACH	EACH	SQ YD	

EARTHWORK					
STATION	TO	STATION	20200100	EXCVATION ADJUSTED	EARTHWORK
			EARTH EXCAVATION	ADJUSTED FOR SHRINKAGE 25%	EMBANKMENT
			CU YD	CU YD	CU YD
61+94	LT		60	45	-15
63+85		64+17	2	2	-42
64+77		65+15	25	19	18
65+46	LT		10	8	-14
65+68	RT		13	10	-10
TOTAL			110	84	-63
			CU YD	CU YD	CU YD

PATCHING SCHEDULE				
STATION	TO	STATION	44201371	
			CLASS C PATCHES, TYPE IV, 11 INCH	SQ YD
63+85		65+15		520
TOTAL				520
				SQ YD

SIDEWALK SCHEDULE					
STATION	TO	STATION	SIDE	42400200	42400800
				PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS
				SQ FT	SQ FT
61+83		62+05	LT	88	
64+16		64+99	LT	514	20
63+70		64+75	RT	888	
TOTAL				1490	20
				SQ FT	SQ FT

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 WBE / DBE  
 EFFINGHAM, IL  
 L.C. #184.003222

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	DRAWN -	REVISED -
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PLOT DATE = 3/14/2023	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

SCALE: 1"=5' SHEET 1 OF 2 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	10
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

DRAINAGE SCHEDULE											
STATION	TO	STATION	SIDE	54213663 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	54248510 CONCRETE COLLAR	5422D018 PIPE CULVERTS, CLASS D, TYPE 1 18" (TEMPORARY)	550A0340 STORM SEWERS, CLASS A, TYPE 2 12"	550A0380 STORM SEWERS, CLASS A, TYPE 2 18"	550A0410 STORM SEWERS, CLASS A, TYPE 2 24"	550A0500 STORM SEWERS, CLASS A, TYPE 2 60"	60221100 MANHOLES, TYPE A, 5'- DIAMETER, TYPE 1 FRAME, CLOSED LID
				EACH	CU YD	FOOT	FOOT	FOOT	FOOT	FOOT	EACH
64+04			42' RT								1
64+08			RT				22				
64+04		64+09	RT						13		
64+41		64+51	LT		1.3					13	
64+45		65+06	RT	1				62			
64+75		65+68	RT	1				94			
65+68			RT			40					
TOTAL				2	1.3	40	22	156	13	13	1
				EACH	CU YD	FOOT	FOOT	FOOT	FOOT	FOOT	EACH

PAVEMENT MARKING SCHEDULE										
STATION	TO	STATION	SIDE	78008300 POLYUREA PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS	78008310 POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	70300211 TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	70300221 TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	78011000 GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	78011025 GROOVING FOR RECESSED PAVEMENT MARKING 5"	78100100 RAISED REFLECTIVE PAVEMENT MARKER
				SQ FT	FOOT	SQ FT	FOOT	SQ FT	FOOT	EACH
				WHITE	YELLOW	WHITE	YELLOW			
63+85		65+15	LT		163	62	163		163	3
63+85		65+15	RT	62	163		163	62	163	3
TOTAL				62	325	62	325	62	325	6
				SQ FT	FOOT	SQ FT	FOOT	SQ FT	FOOT	EACH

CURB AND GUTTER SCHEDULE							
STATION	TO	STATION	SIDE	60600095 CLASS SI CONCRETE (OUTLET)	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	COMMENT
				CU YD	FOOT	FOOT	
61+74		62+21	LT			47	DEPRESSED GUTTER FOR TEMP. ENTRANCE
61+74		62+21	LT			47	REPLACING CURB AND GUTTER AFTER TEMP. ENTRANCE REMOVED
61+84		62+04	LT		20		DEPRESSED GUTTER FOR TEMP. ENTRANCE AT PRIVATE LOT
61+84		62+04	LT		20		REPLACING CURB AND GUTTER AFTER TEMP. ENTRANCE REMOVED
63+85		64+53	RT			68	
64+53		64+58	RT	0.6			
63+72		64+68	LT			96	
64+68		64+72	LT	0.6			
64+16		64+34	LT			47	63+98 LT C.E.
TOTAL				1.2	40	305	
				CU YD	FOOT	FOOT	

SEEDING SCHEDULE										
STATION	TO	STATION	SIDE	25000110 SEEDING, CLASS 1A	25000400 NITROGEN FERTILIZER NUTRIENT	25000500 PHOSPHORUS FERTILIZER NUTRIENT	25000600 POTASSIUM FERTILIZER NUTRIENT	25100115 MULCH, METHOD 2	25200100 SODDING	25200200 SUPPLEMENTAL WATERING
				ACRE	POUND	POUND	POUND	ACRE	SQ YD	UNIT
61+75		62+21	LT		3.4	3.4	3.4		277.4	0.8
63+70		65+93	RT	0.0836	7.5	7.5	7.5	0.0836		
64+17		65+70	LT	0.0771	6.9	6.9	6.9	0.0771		
TOTAL				0.1607	17.8	17.8	17.8	0.1607	277.4	0.8
USE				0.25	26	26	26	0.25	278	1
				ACRE	POUND	POUND	POUND	ACRE	SQ YD	UNIT

EROSION CONTROL						
STATION	TO	STATION	28000400 PERIMETER EROSION BARRIER	28000500 INLET AND PIPE PROTECTION	28000250 TEMPORARY EROSION CONTROL SEEDING	COMMENT
			FEET	EACH	POUND	
61+75		65+70	100		350	AS NEEDED FOR TOPSOIL STOCKPILE 0.25 ACRES (10 APPLICATIONS)
65+06		RT		1		
65+67		LT		1		
TOTAL			100	2	350	
			FEET	EACH	POUND	

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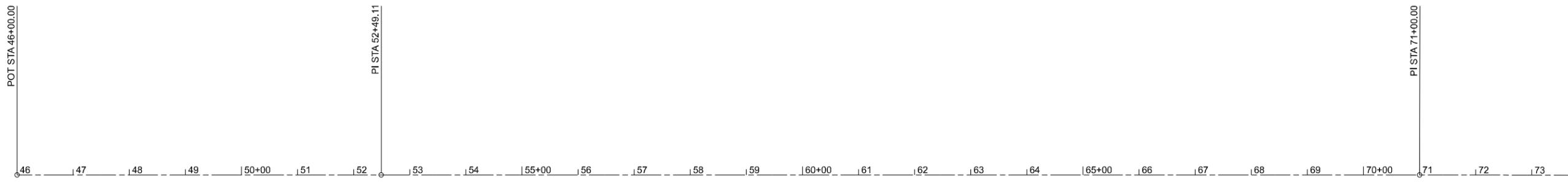
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SCHEDULES OF QUANTITIES**

SCALE: 1"=5' SHEET 2 OF 2 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	11
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				



### BENCHMARK

BM 4487 - CHISELED "X" TOP CENTER BOLT OF FH LOCATED IN THE SW QUAD OF DUNCAN RD & RIDGEWOOD CT (IDOT #4482-7) S DUNCAN ROAD STA. 6+64.40 38.3' LT ELEV. 730.75'

BM LIN4 - CHISELED SQUARE ON NE COR. OF HH FDN IN ISLAND W/ STOP LIGHT & RR CROSSING SIGNAL IN THE SW QUAD OF IL 10 AND DUNCAN RD. INT. IL 10 STA. 83+95.1 24.9' LT ELEV. 734.14'

BM LIN1 - CHISELED "X" TOP CENTER BOLT OF FH BETWEEN IN & OUT ENTRANCE TO KFC; FIRST FH EAST OF KENWOOD RD, SOUTH OF IL 10 IL 10 STA. 47+93.10 34.9' LT ELEV. 750.04'

TBM1 - CHISELED "X" TOP CNTR BOLT FH LOCATED IN NW QUAD OF S. DUNCAN RD. & BLAIR DR., 800' S. OF IL 10 S. DUNCAN STA. 2+14.3 42.7' LT ELEV. 728.04'

BM LIN2 - CHISELED SQUARE SOUTHERLY CORNER OF TRAFFIC CONTROL BOX FDN LOCATED IN THE NW QUAD OF IL 10 & KENWOOD ROAD. INT. IL 10 STA. 52+86.10 55.7' RT ELEV. 745.96'

TBM2 - CHISELED "X" IN W NW BOLT TOP OF FH IN N. QUAD OF S. DUNCAN RD & LAGER DR., 720'± N. OF IL 10 N. DUNCAN STA. 17+25.4 34.5' RT ELEV. 741.99'

BM LIN3 - CHISELED SQUARE TOP OF SE WINGWALL; SN 010-0135; BRIDGE IS LOCATED 20'± E. OF KAUFFMAN LAKE ENT. IL 10 STA. 64+39.5 22.1' LT ELEV. 730.31'

CHISELED "X" ON NW WINGWALL OF BRIDGE (SN 010-0247) LOCATED ON IL 10 OVER CREEK BETWEEN PRARIE GARDENS & ILLINOIS BRICK CO. 0.1 MI. W. OF DUNCAN RD. (IDOT #4482-3) IL 10 STA. 84+37.0 27.4' RT ELEV. 730.12'

BM4481 - CHISELED SQUARE ON SW CORNER OF CONTROLLED ENVIRONMENT TELEPHONE BOX FDN LOCATED ON THE N. SIDE OF IL10 35'± N. OF EDGE OF PAVEMENT, 270'± W. OF CN RR CROSSING, & 670'± W. OF DUNCAN RD. (IDOT #4482-1) IL 10 STA. 72+05.4 61.0' RT ELEV. 737.40'

CHISELED "X" IN MH RIM LOCATED IN CONC. ENT. TO PLASTIPAX INC.; N. SIDE OF IL 10; 0.3 MI. W. OF DUNCAN RD. & 0.1 MI. E. OF I-57 OVERPASS (IDOT #4482-4) ELEV. 732.53'

ALIGNMENT COORDINATED - IL 10			
STATION	NORTHING	EASTING	DESCRIPTION
46+00.00	1255107.633	998170.194	P.O.T.
52+49.11	1255115.620	997521.134	P.I.
71+00.00	1255138.394	995670.382	P.I.
73+83.00	1255142.569	995387.413	P.O.T.

CONTROL POINTS			
POINT NAME	NORTHING	EASTING	ELEVATION
300	1254490.953	996638.5483	733.78
301	1254476.2300	996831.8669	736.776
302	1256231.988	997536.0234	739.431
303	1256017.531	997538.7745	745.429

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, CONTROL POINTS & BENCHMARKS

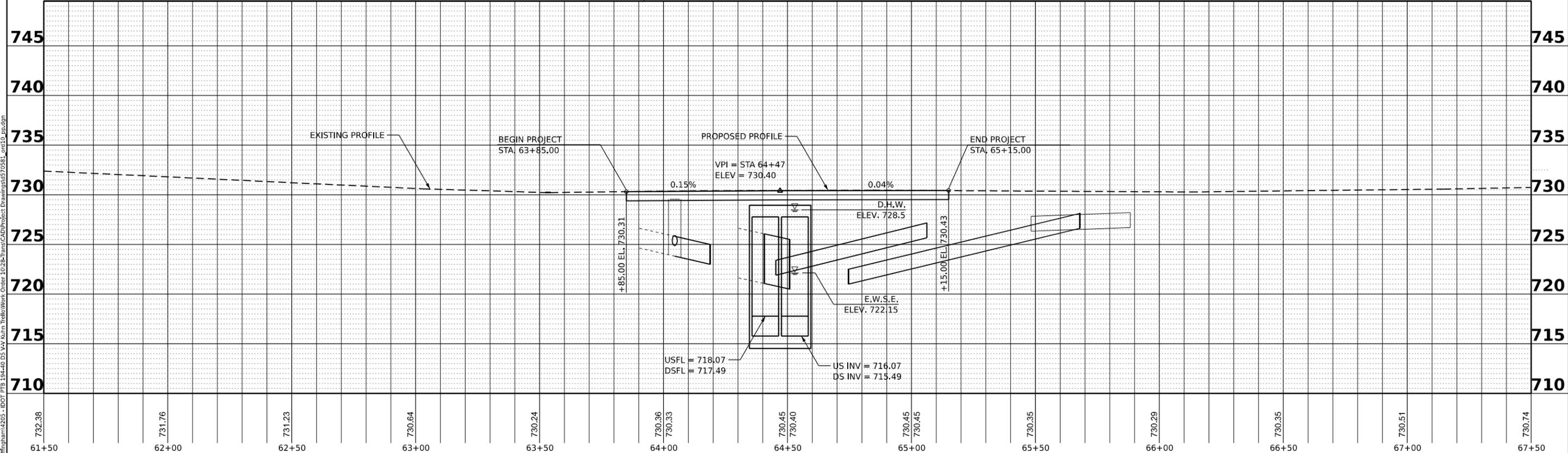
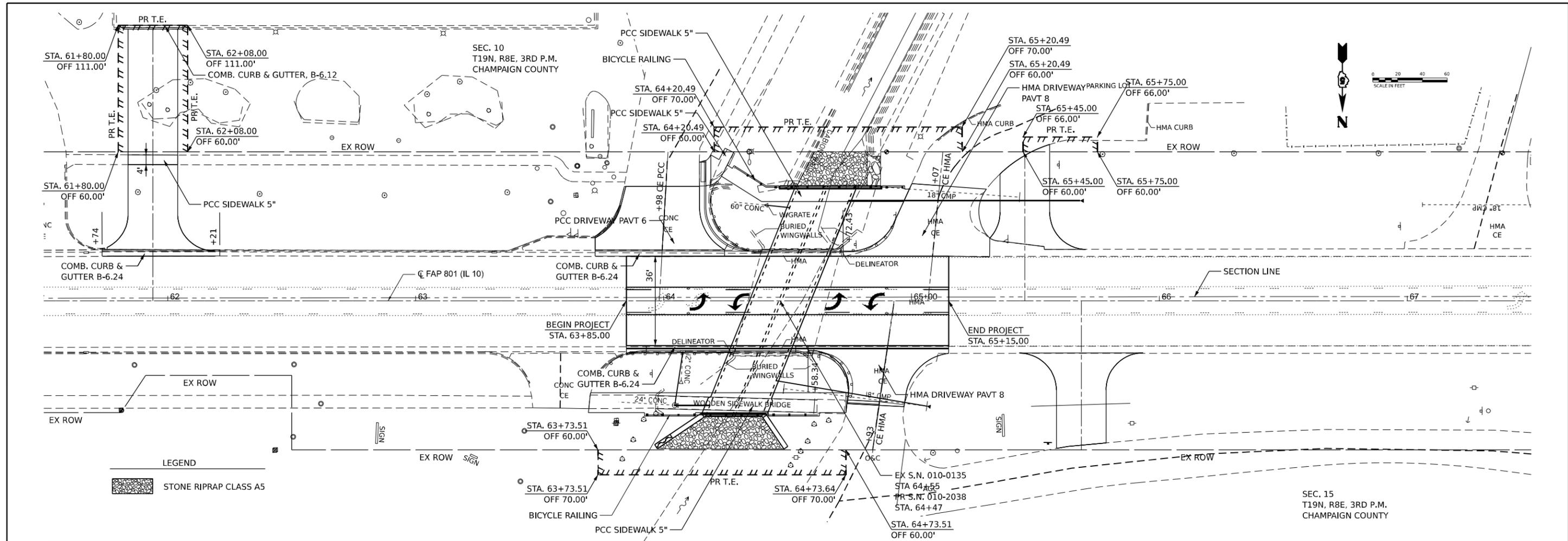
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	12
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

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	DATE -	REVISED -



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PLOT SCALE = 0.16666633 1/16"	DRAWN -	REVISED -
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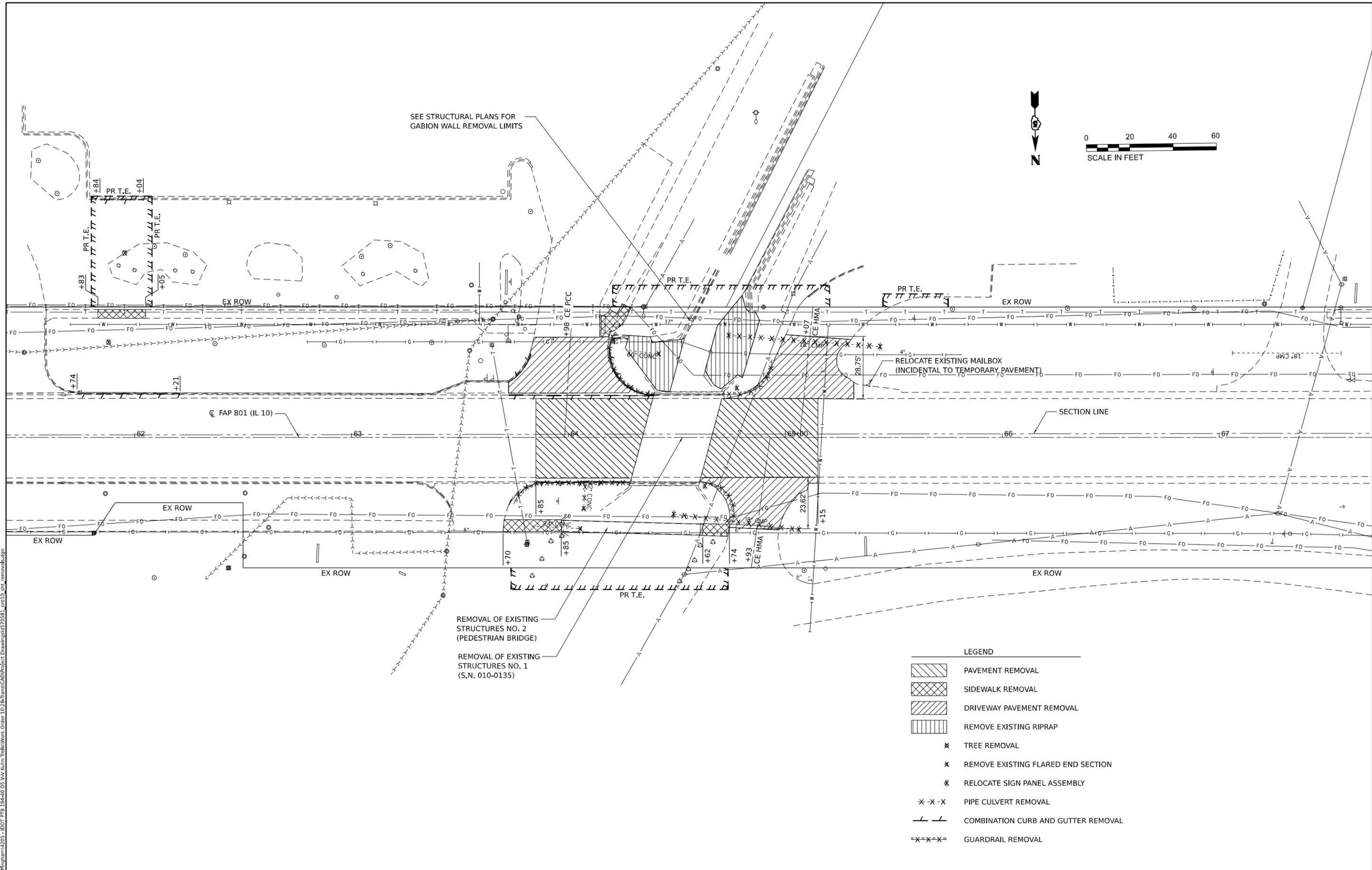
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN & PROFILE**

SCALE: 1"=20'    SHEET 1 OF 1 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	13
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

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**LEGEND**

	PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	REMOVE EXISTING RIPRAP
	TREE REMOVAL
	REMOVE EXISTING FLARED END SECTION
	RELOCATE SIGN PANEL ASSEMBLY
	PIPE CULVERT REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL
	GUARDRAIL REMOVAL



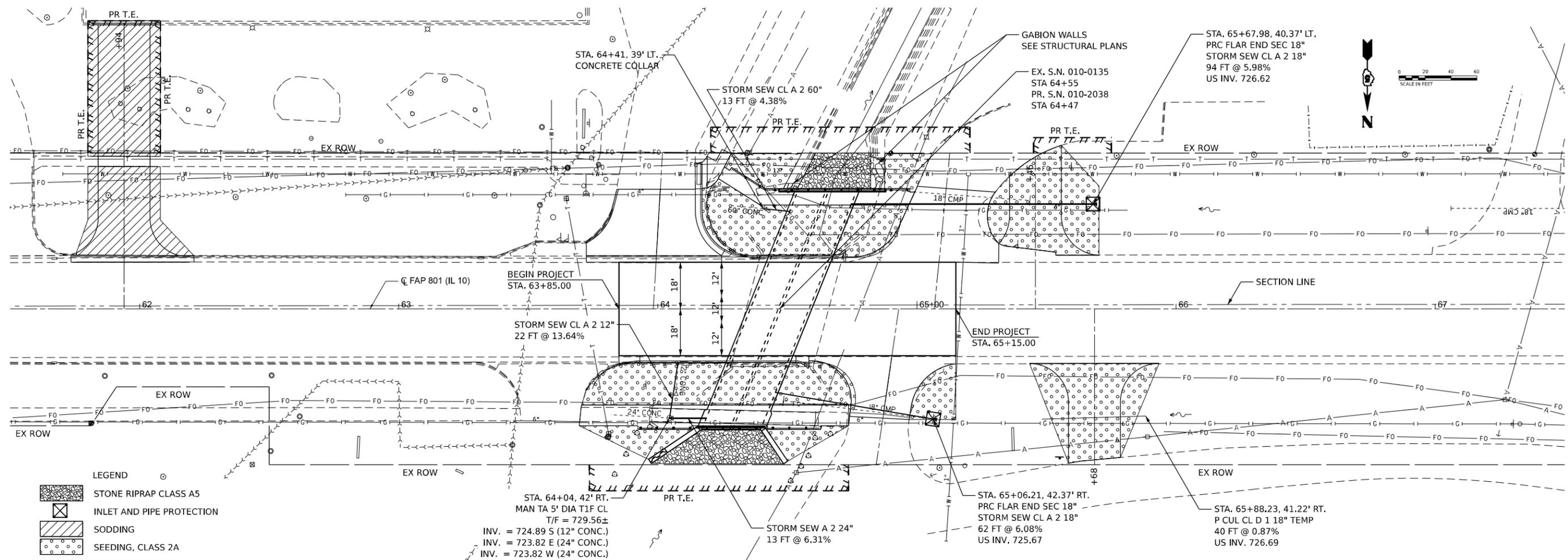
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

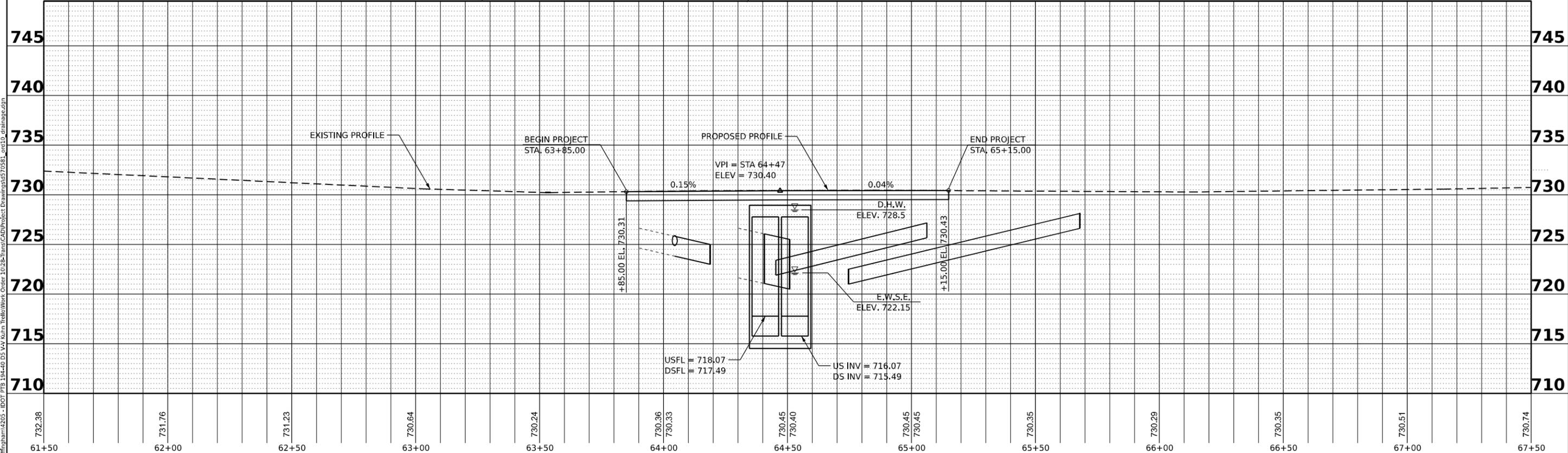
**REMOVAL PLAN**

SCALE: 1"=20'    SHEET 1 OF 1 SHEETS    STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	14
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- STONE RIPRAP CLASS A5
  - INLET AND PIPE PROTECTION
  - SODDING
  - SEEDING, CLASS 2A



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 LIC. #184.003222

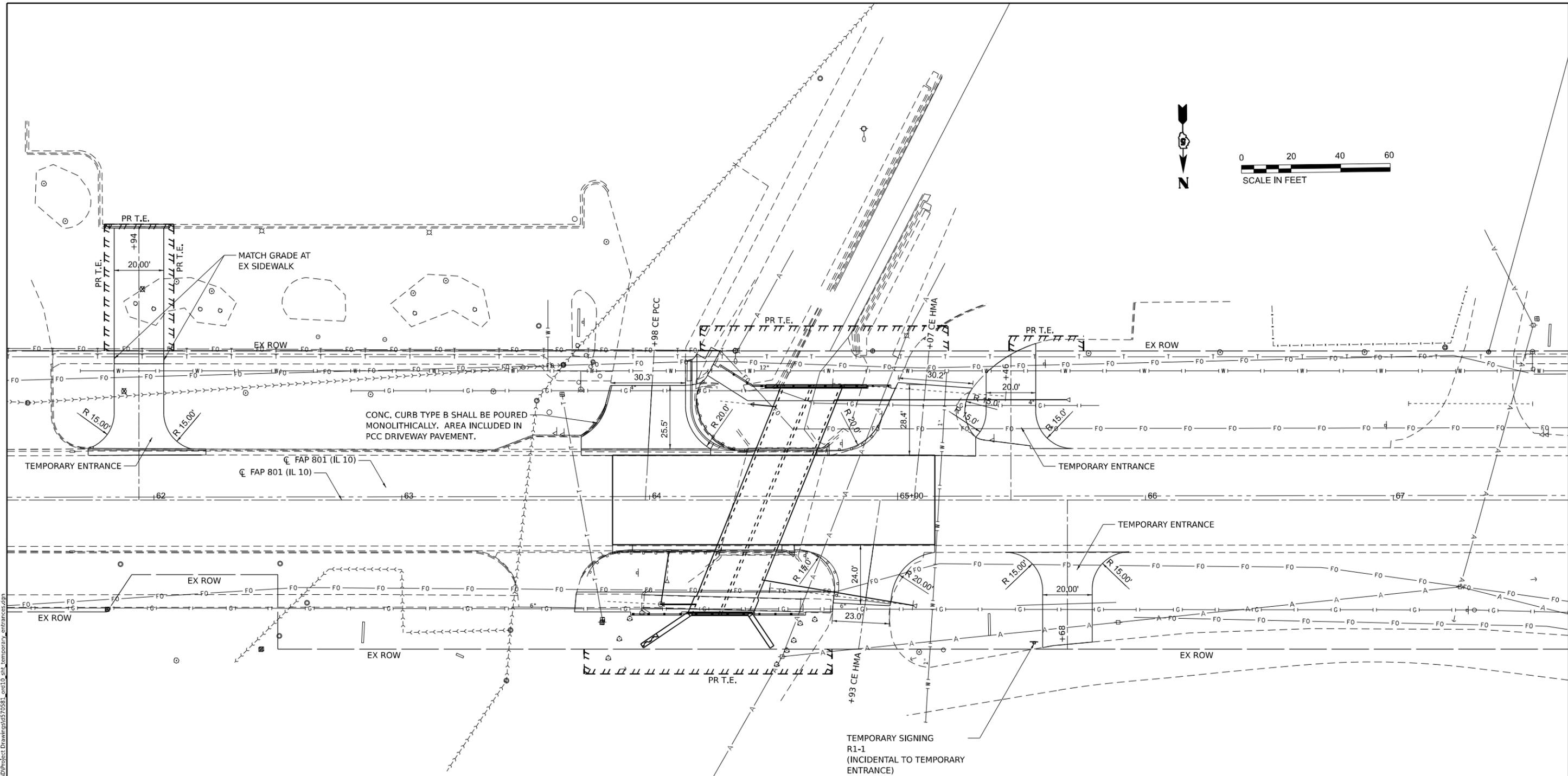
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

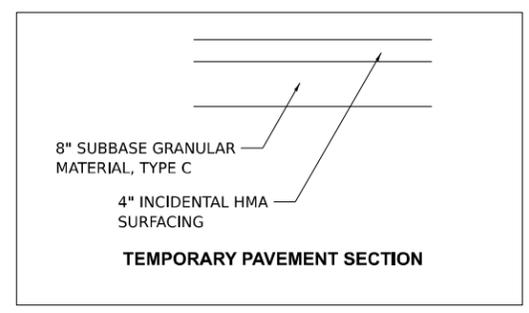
DRAINAGE PLAN & PROFILE & EROSION CONTROL	
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STA.	TO STA.

F.A.P R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	15
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				



CONC. CURB TYPE B SHALL BE POURED MONOLITHICALLY. AREA INCLUDED IN PCC DRIVEWAY PAVEMENT.

TEMPORARY SIGNING  
R1-1  
(INCIDENTAL TO TEMPORARY ENTRANCE)



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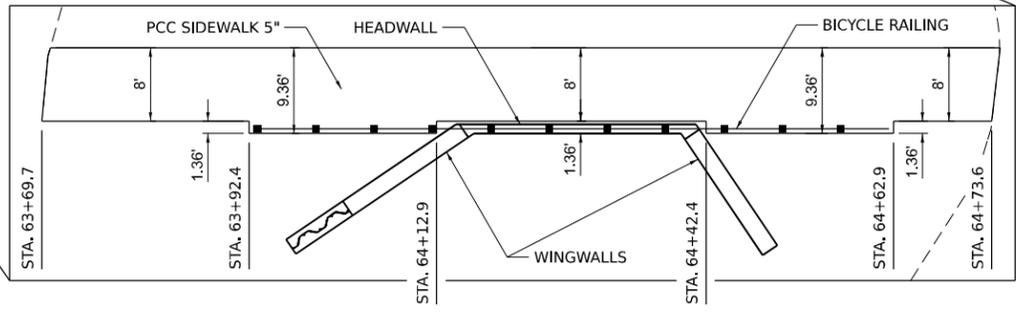
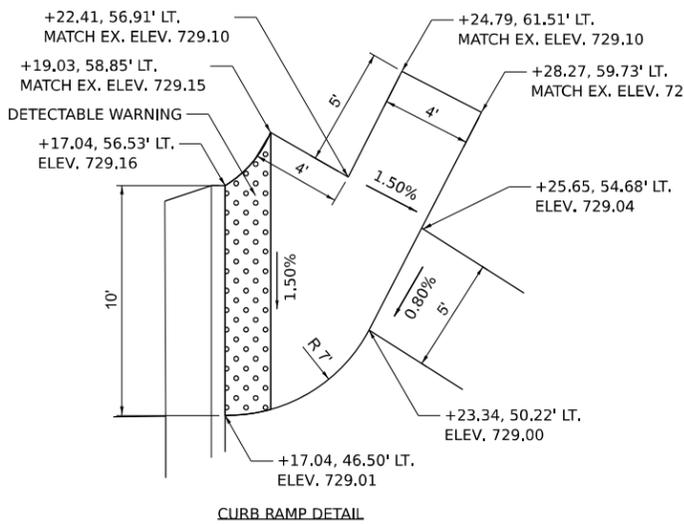
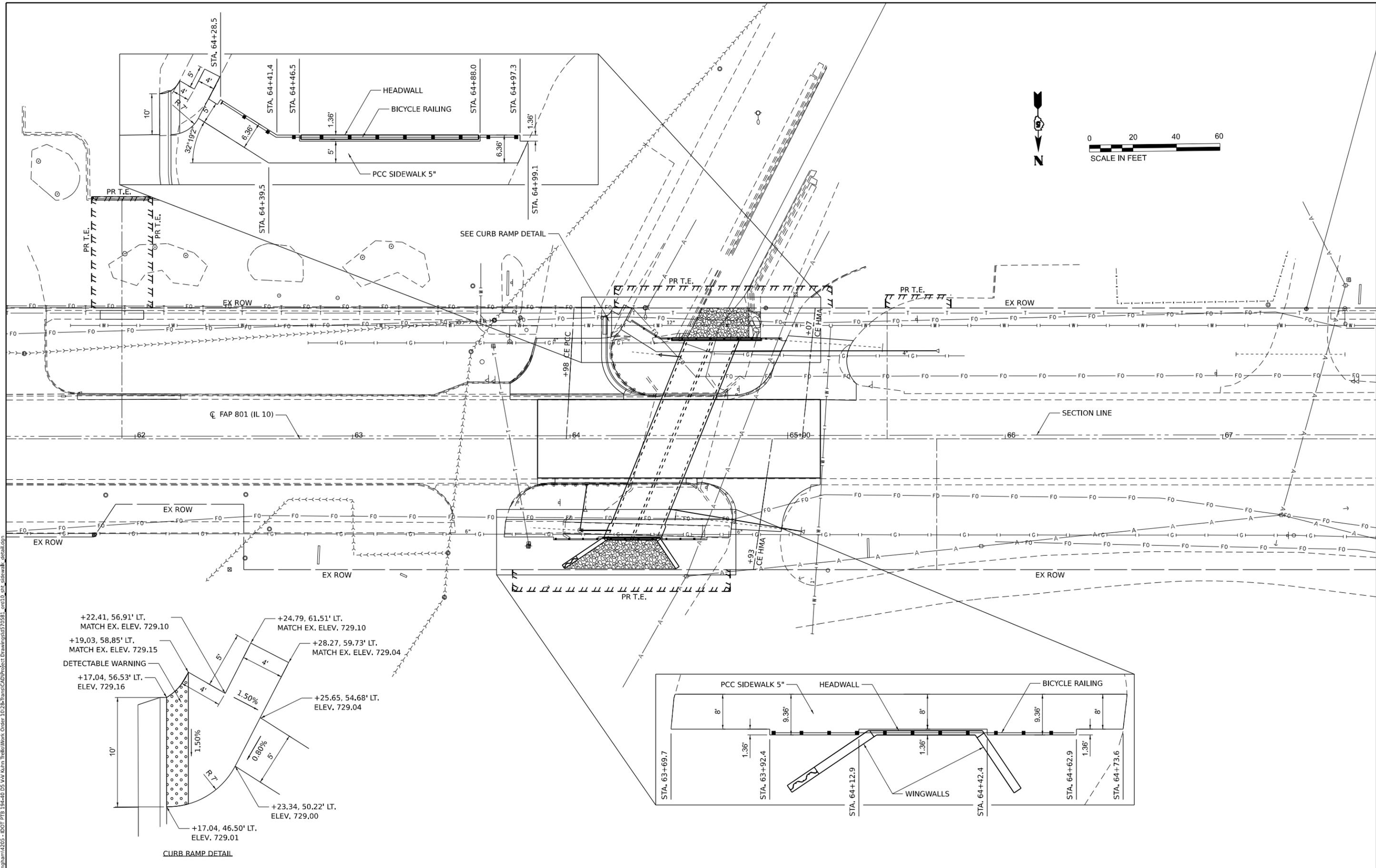
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE PLAN**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	16
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

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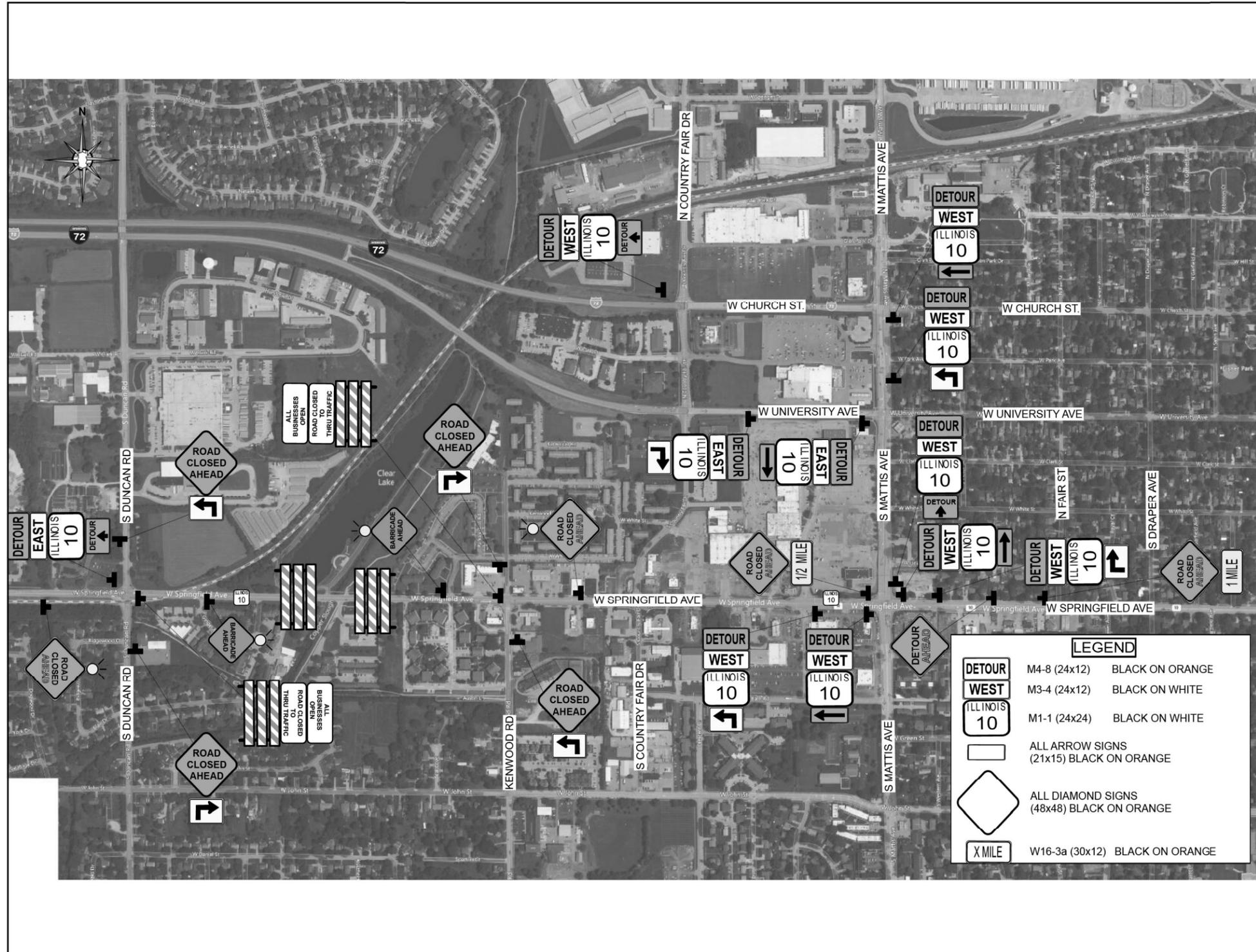
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAILS**

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.P. RTE. 801	SECTION 4BR	COUNTY CHAMPAIGN	TOTAL SHEETS 50	SHEET NO. 17
CONTRACT NO. 70581				

ILLINOIS FED. AID PROJECT



LEGEND		
	DETOUR	M4-8 (24x12) BLACK ON ORANGE
	WEST	M3-4 (24x12) BLACK ON WHITE
	ILLINOIS 10	M1-1 (24x24) BLACK ON WHITE
	ALL ARROW SIGNS	(21x15) BLACK ON ORANGE
	ALL DIAMOND SIGNS	(48x48) BLACK ON ORANGE
	X MILE	W16-3a (30x12) BLACK ON ORANGE

NOTE: SEE DISTRICT STANDARD 70200000 FOR ADDITIONAL ROAD CLOSURE DETAILS

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DRAWN	-
CHECKED	-
DATE	-
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DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-
REVIS	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>DETOUR</b>			
SCALE:	SHEET 1	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	18
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				





LEGEND	
	M4-8 (24x12) BLACK ON ORANGE
	M3-4 (24x12) BLACK ON WHITE
	M1-1 (24x24) BLACK ON WHITE
	ALL ARROW SIGNS (21x15) BLACK ON ORANGE
	ALL DIAMOND SIGNS (48x48) BLACK ON ORANGE
	W16-3a (30x12) BLACK ON ORANGE

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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETOUR</b>			
SCALE:	SHEET 3	OF 5	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	20
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				



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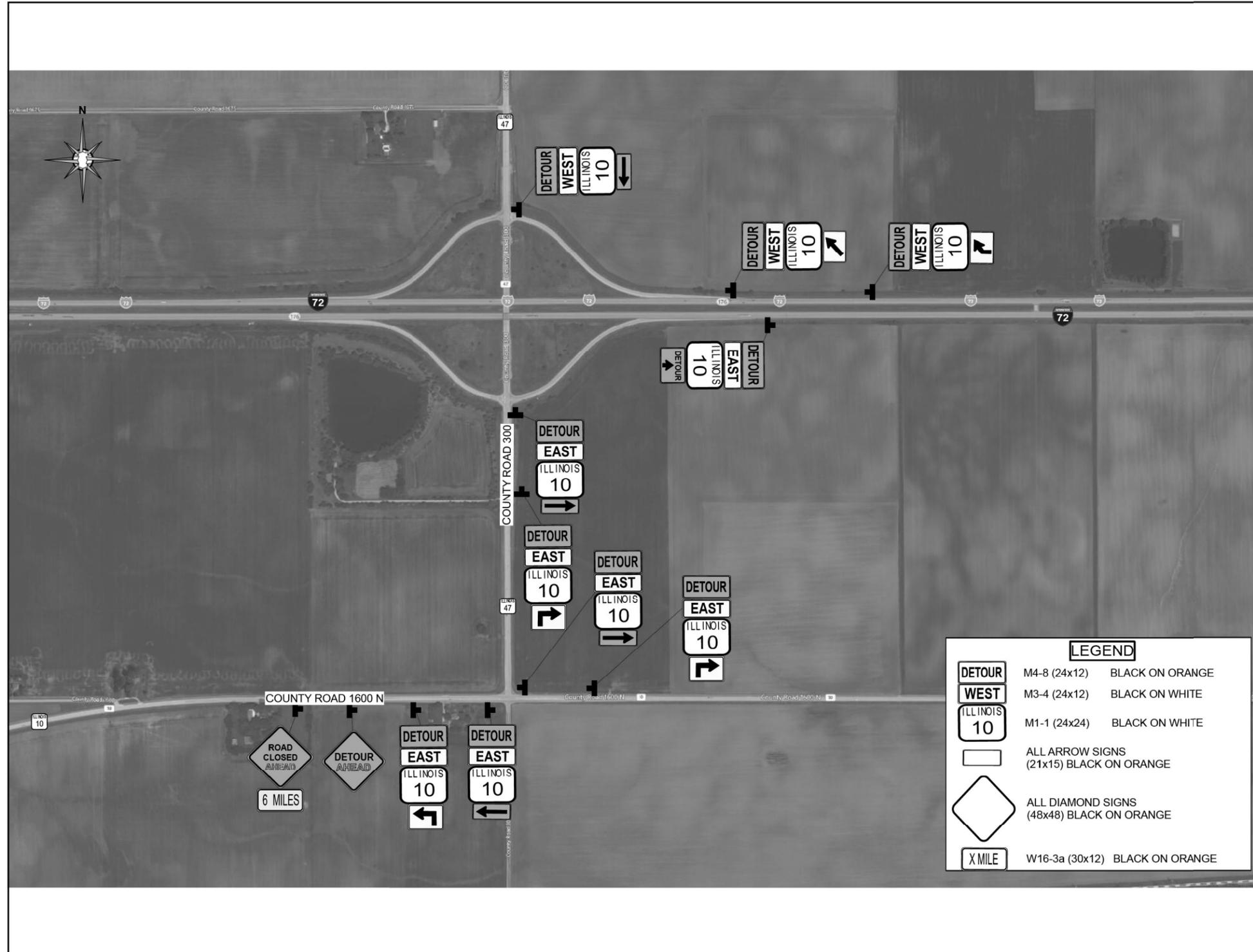
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REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETOUR</b>			
SCALE:	SHEET 4	OF 5	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	21
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				



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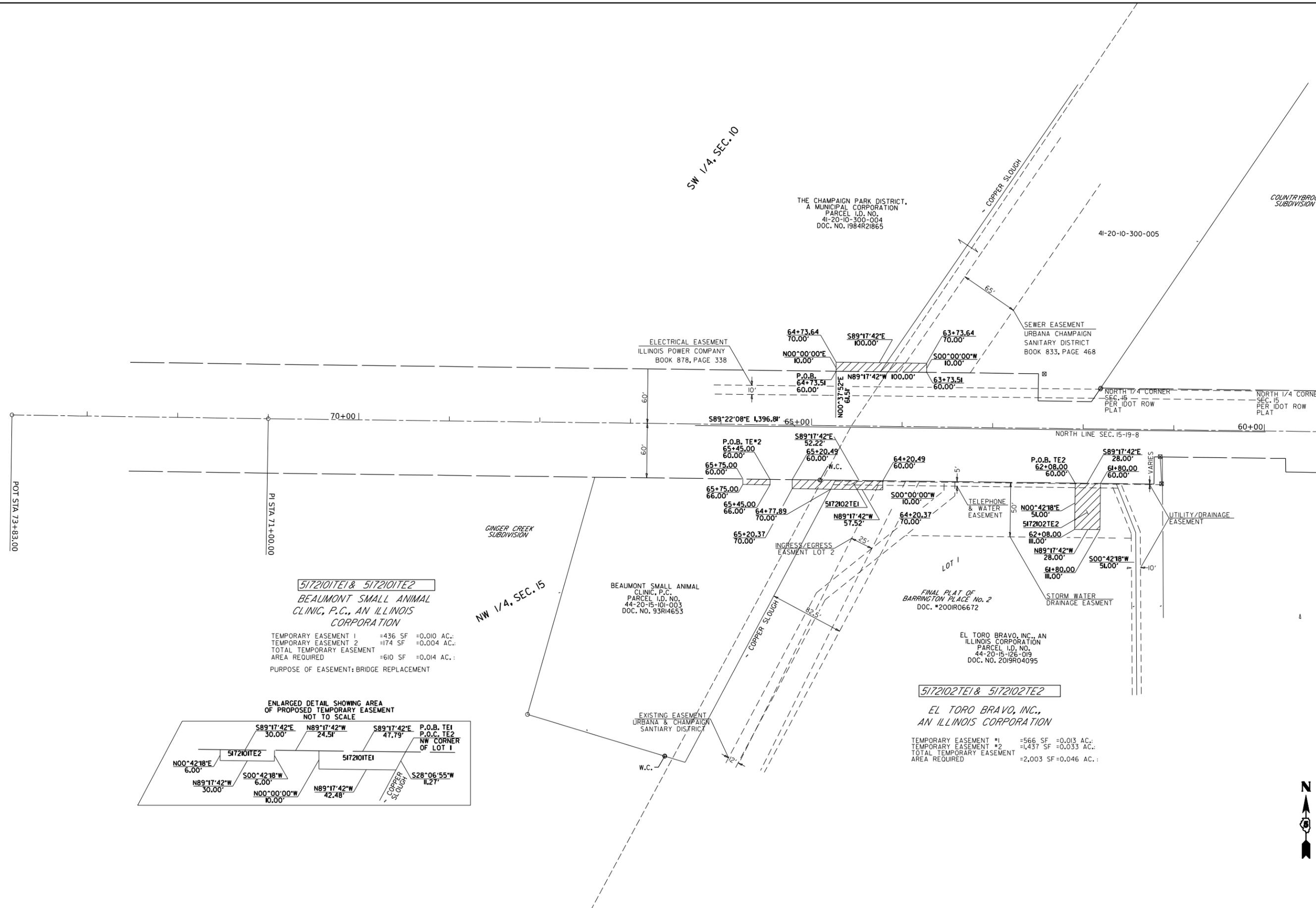
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETOUR**

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	22
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

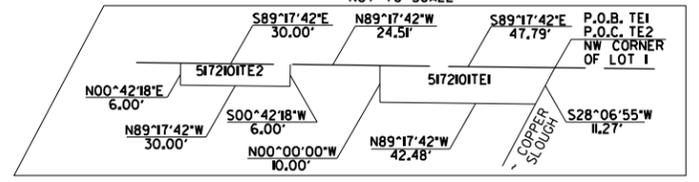
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**5172101E1 & 5172101E2**  
 BEAUMONT SMALL ANIMAL  
 CLINIC, P.C., AN ILLINOIS  
 CORPORATION

TEMPORARY EASEMENT #1 = 436 SF = 0.010 AC.;  
 TEMPORARY EASEMENT #2 = 174 SF = 0.004 AC.;  
 TOTAL TEMPORARY EASEMENT  
 AREA REQUIRED = 610 SF = 0.014 AC.;  
 PURPOSE OF EASEMENT: BRIDGE REPLACEMENT

ENLARGED DETAIL SHOWING AREA  
 OF PROPOSED TEMPORARY EASEMENT  
 NOT TO SCALE



**5172102E1 & 5172102E2**

EL TORO BRAVO, INC.,  
 AN ILLINOIS CORPORATION

TEMPORARY EASEMENT #1 = 566 SF = 0.013 AC.;  
 TEMPORARY EASEMENT #2 = 1,437 SF = 0.033 AC.;  
 TOTAL TEMPORARY EASEMENT  
 AREA REQUIRED = 2,003 SF = 0.046 AC.;

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. \_\_\_+\_\_\_ TO STA. \_\_\_+\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	23
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				



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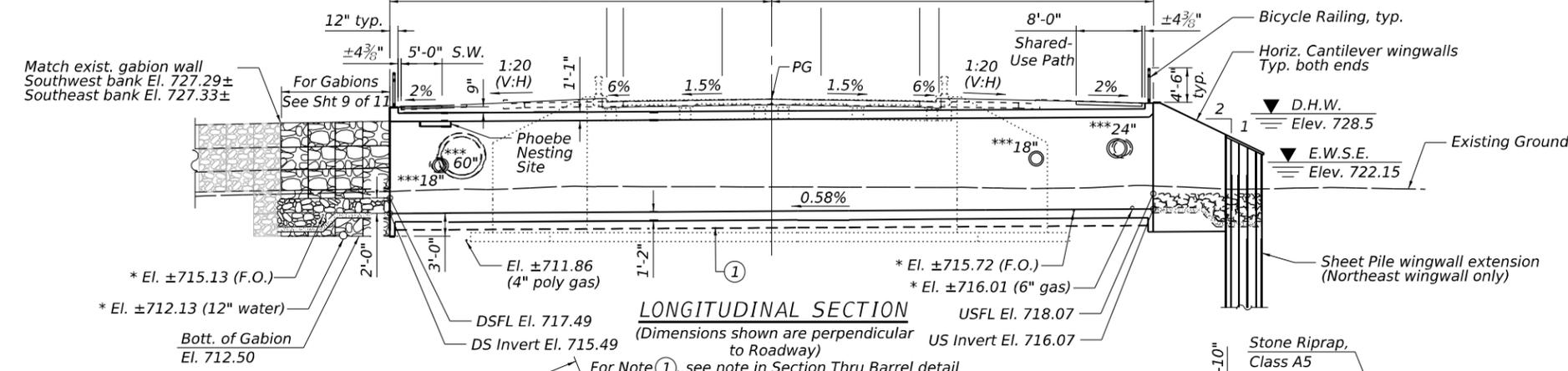


Benchmark: BM LIN3. Chisled "□" in top of SE wingwall of SN 010-0135. Sta. 64+39.5, 22.1' LT (IL 10), Elev. 730.31

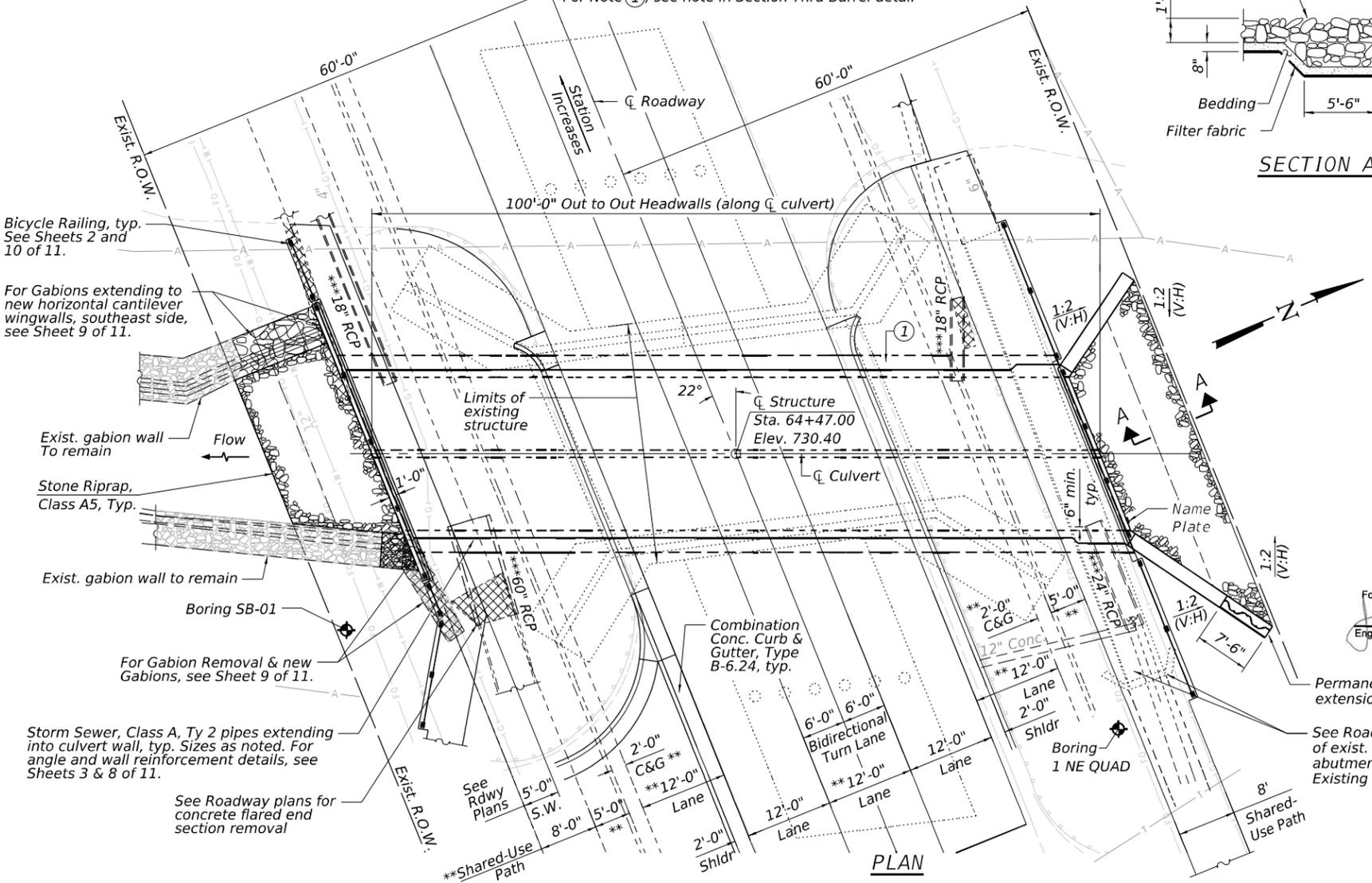
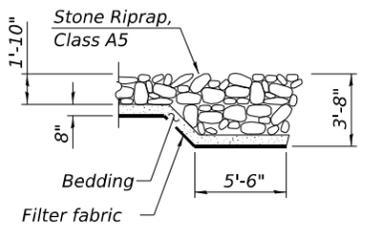
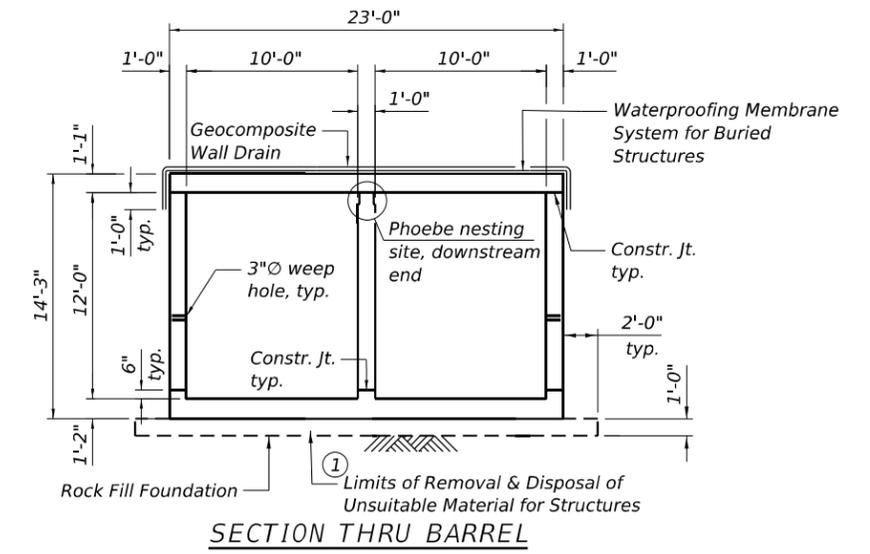
Existing Structure: S.N. 010-0135 Built in 1940 as S.B.I. Route 10, Section 4-B at Sta. 64+55. The superstructure consists of a single span T-beam bridge with a 7" slab on closed abutments with wingwalls on spread footings at all four corners. In 1984 the center of roadway joint was closed and an overlay was added. The existing structure is to be removed and replaced. Construction to be performed under road closure.

No Salvage

Precast option is not allowed



\* Utility adjustment needed, see Status of Utilities in special provisions  
 \*\* "Future" project dimensions (shown in dashed linetype & dimensioned in Plan view)  
 \*\*\* Storm Sewer, Class A, Type 2, RCP, size as noted

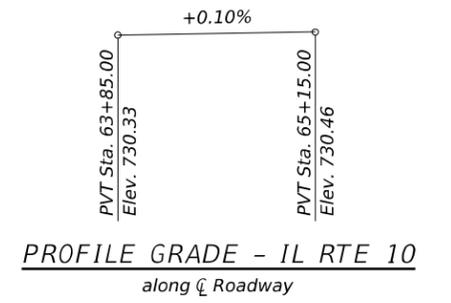


**LEGEND**

- A — Exist. Electrical (aerial)
- G — Exist. Gas
- FO — Exist. Fiber Optic
- W — Exist. Water
- T — Exist. Telephone
- ⊗ Removal (See Roadway plans)

**INDEX OF SHEETS**

- 1 General Plan & Elevation
- 2 General Data
- 3 - 8 Culvert Details
- 9 Gabion Wall Details
- 10 Bicycle Railing Details
- 11 Soil Boring Logs

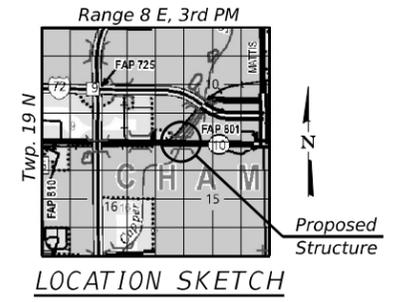


**DESIGN SPECIFICATIONS**  
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**LOADING HL-93**  
Allow 50 #/sq. ft. for future wearing surface

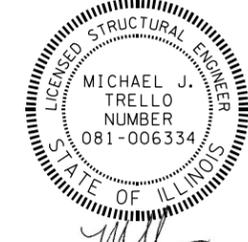
**DESIGN STRESSES**

**FIELD UNITS**  
 $f_c = 3,500$  psi (Concrete)  
 $f_y = 60,000$  psi (Reinforcement)



**GENERAL PLAN & ELEVATION**  
 IL RTE. 10 OVER COPPER SLOUGH  
 F.A.P. RTE. 801 - SEC. 4BR  
 CHAMPAIGN COUNTY  
 STATION 64+47.00  
 STRUCTURE NO. 010-2038

**APPROVED**  
For Structural Adequacy Only  
 [Signature]  
 Engineer of Bridges & Structures



DATE: APRIL 14 2023  
 EXPIRES: NOVEMBER 30 2024

MODEL: SMODELNAMES  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	24
CONTRACT NO. 70581				

**WATERWAY INFORMATION**

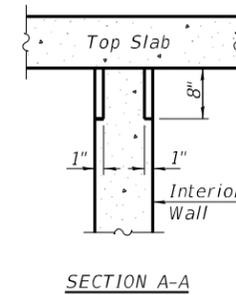
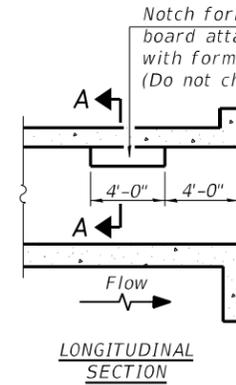
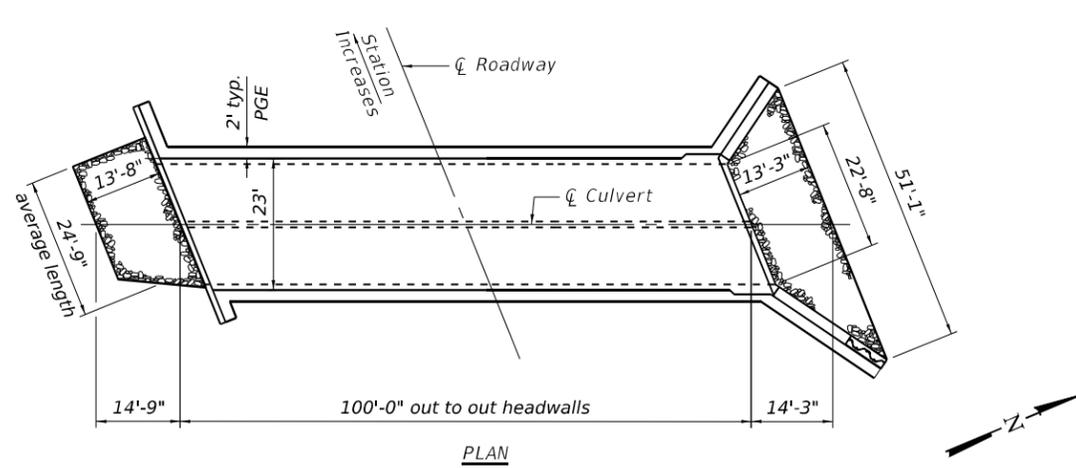
Existing Low Grade Elev. = 730.36 @ Sta. 65+68.78

Drainage Area = 4.53 sq. mi.		Proposed Low Grade Elev. = 730.36 @ Sta. 65+69							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Prop.	Nat. H.W.E.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.
	10	841	167	161	726.1	0.1	0.0	726.2	726.1
Design	50	1390	196	200	728.5	0.6	0.2	729.1	728.7
Base	100	1630	196	200	729.3	1.0	0.7	730.3	730.0
Overtop Exist.	100	1630	196		729.3	1.0		730.3	
Overtop Prop.	150	1790		200	729.8		0.8		730.6

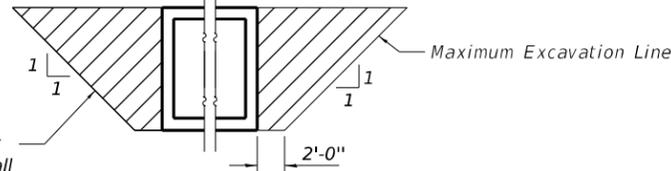
Velocity thru Exist. Culv. = 5.32 ft/sec      10 yr Velocity thru Prop. Culv. = 5.19 ft/sec

**GENERAL NOTES**

- Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.
- Existing structure to be removed full depth within 2 feet of proposed culvert barrel and wingwall footprint. The removal of the existing approach slabs are included in the cost of "Removal of Existing Structures No. 1".
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- It shall be the responsibility of the Contractor to divert flow during construction in order to keep construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and shall be included in the cost of Concrete Box Culverts.
- For backfilling and embankment, see Standard Specifications.
- The limits and quantities of Removal and Disposal of Unsuitable Materials for Structures and replacement with Rock Fill - Foundation are based on the soil boring data and may be modified by the District Geotechnical Engineer and/or the Field Engineer for variable subsurface conditions actually encountered in the field.
- Rock Fill-Foundation shall be capped according to the Rock Fill-Foundation Special Provision. The cost of the capping material is included in Rock Fill-Foundation.
- Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.
- The Channel is to be lowered in the future by others.

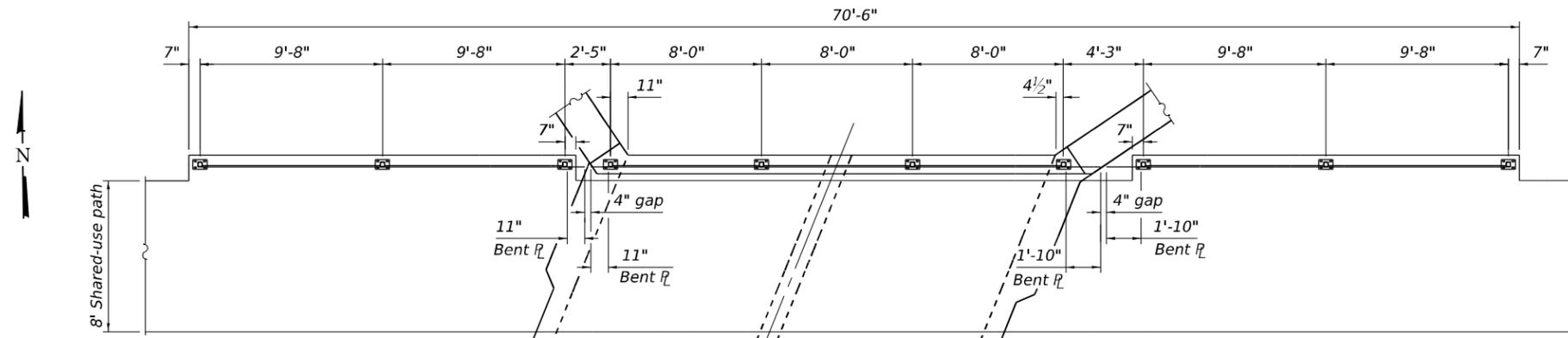


**PHOEBE NESTING SITE DETAILS**  
(Downstream End Only)

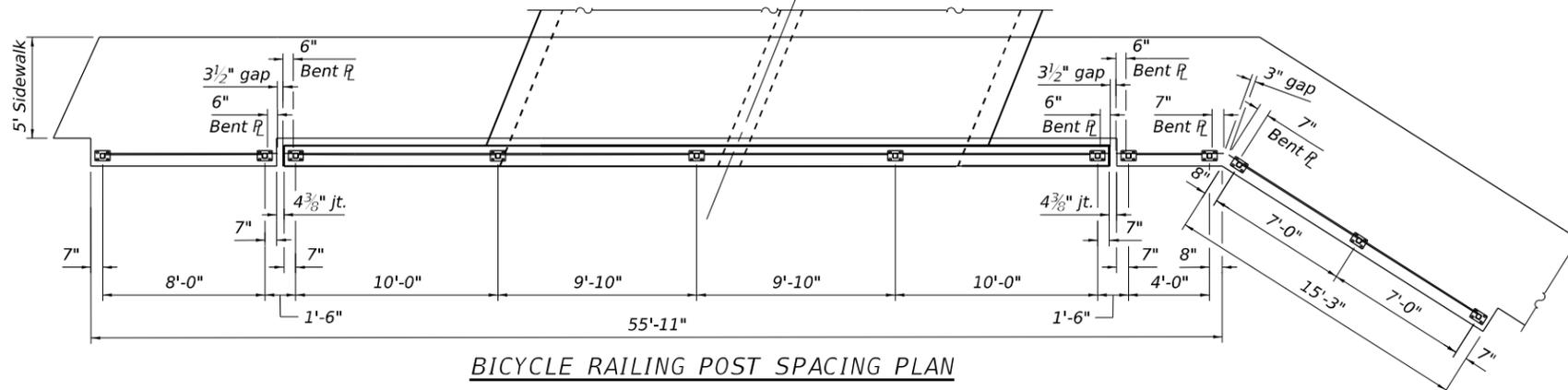


Pay Limits of Porous Granular Embankment, typ. Limits shall extend the entire length of the box culvert and extend along the back face of wingwalls.

**PAY LIMITS FOR POROUS GRANULAR EMBANKMENT**



Note:  
For Sidewalk & Shared-use Path layout, see Roadway plans sheet Sidewalk Details.



**BICYCLE RAILING POST SPACING PLAN**

STATION 64+47.00  
BUILT 20\_\_ BY  
STATE OF ILLINOIS  
IL RTE. 10 SEC. 4BR  
LOADING HL-93  
STRUCTURE NO. 010-2038

**NAME PLATE**  
See Std. 515001

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	964
Stone Riprap, Class A5	Sq. Yd.	134
Filter Fabric	Sq. Yd.	134
Gabions	Cu. Yd.	33
Removal of Existing Structures No. 1	Each	1
Removal of Existing Structures No. 2	Each	1
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	99
Reinforcement Bars	Pound	77,960
Bicycle Railing	Foot	140
Name Plates	Each	1
Permanent Sheet Piling	Sq. Ft.	195
Concrete Box Culverts	Cu. Yd.	377.2
Geocomposite Wall Drain	Sq. Yd.	296
Membrane Waterproofing System For Buried Structures	Sq. Yd.	296
Gabion Removal	Cu. Yd.	36
Rock Fill-Foundation	Ton	158

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**KUHN & TRELLO**  
CONSULTING ENGINEERS  
A Limited Liability Company  
109 N. 7th Street, 3rd Floor  
Springfield, IL 62702  
Phone: 217-618-0244

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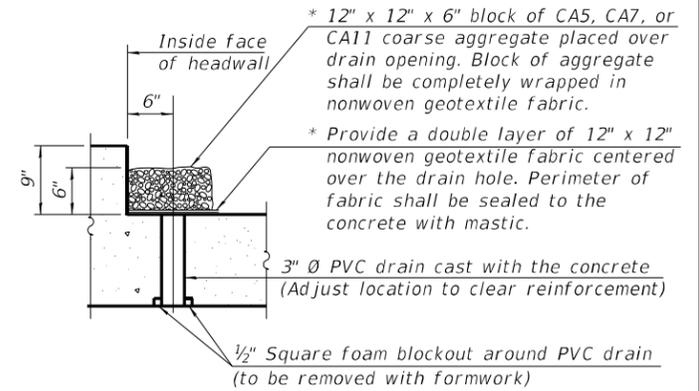
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA**  
**STRUCTURE NO. 010-2038**

SHEET 2 OF 11 SHEETS

F.A.P. RTE. 801	SECTION 4BR	COUNTY CHAMPAIGN	TOTAL SHEETS 50	SHEET NO. 25
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

\* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



**DRAIN DETAIL**

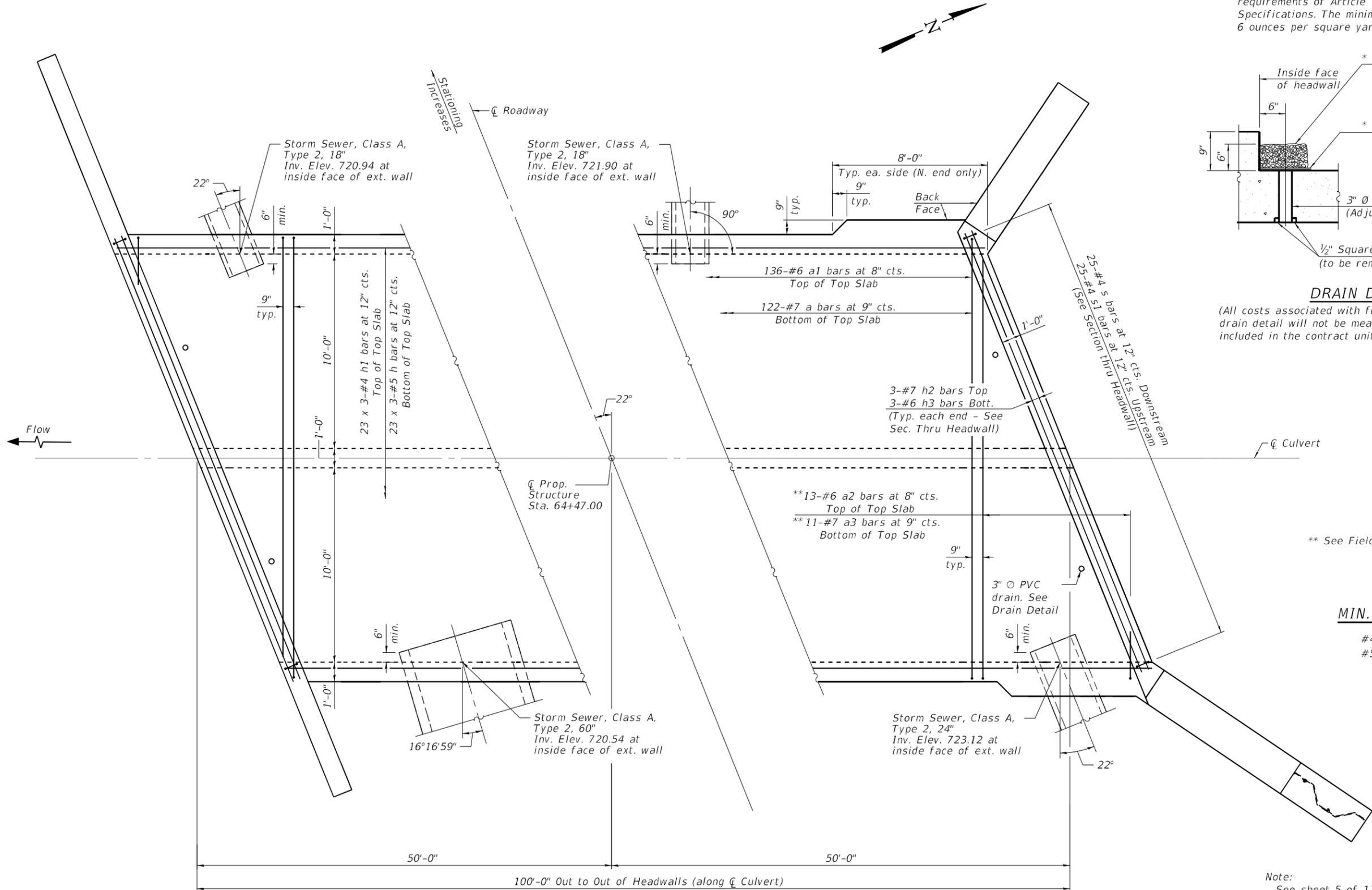
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

\*\* See Field Cutting Diagram

**MIN. BAR LAP**

- #4 2'-3"
- #5 2'-9"

Note:  
 See sheet 5 of 11 for Section Thru Headwall details and Longitudinal Section.  
 See sheet 8 of 11 for Field Cutting Diagrams.  
 A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.  
 Bars indicated thus 23 x 3 - #5 etc. indicates 23 lines of bars with 3 lengths per line.



**PLAN - TOP SLAB**

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**KUHN & TRELLO**  
 CONSULTING ENGINEERS  
 A Limited Liability Company  
 109 N. 7th Street, 3rd Floor  
 Springfield, IL 62702  
 Phone: 217-416-0244  
 Professional Design Firm No. 284-006516

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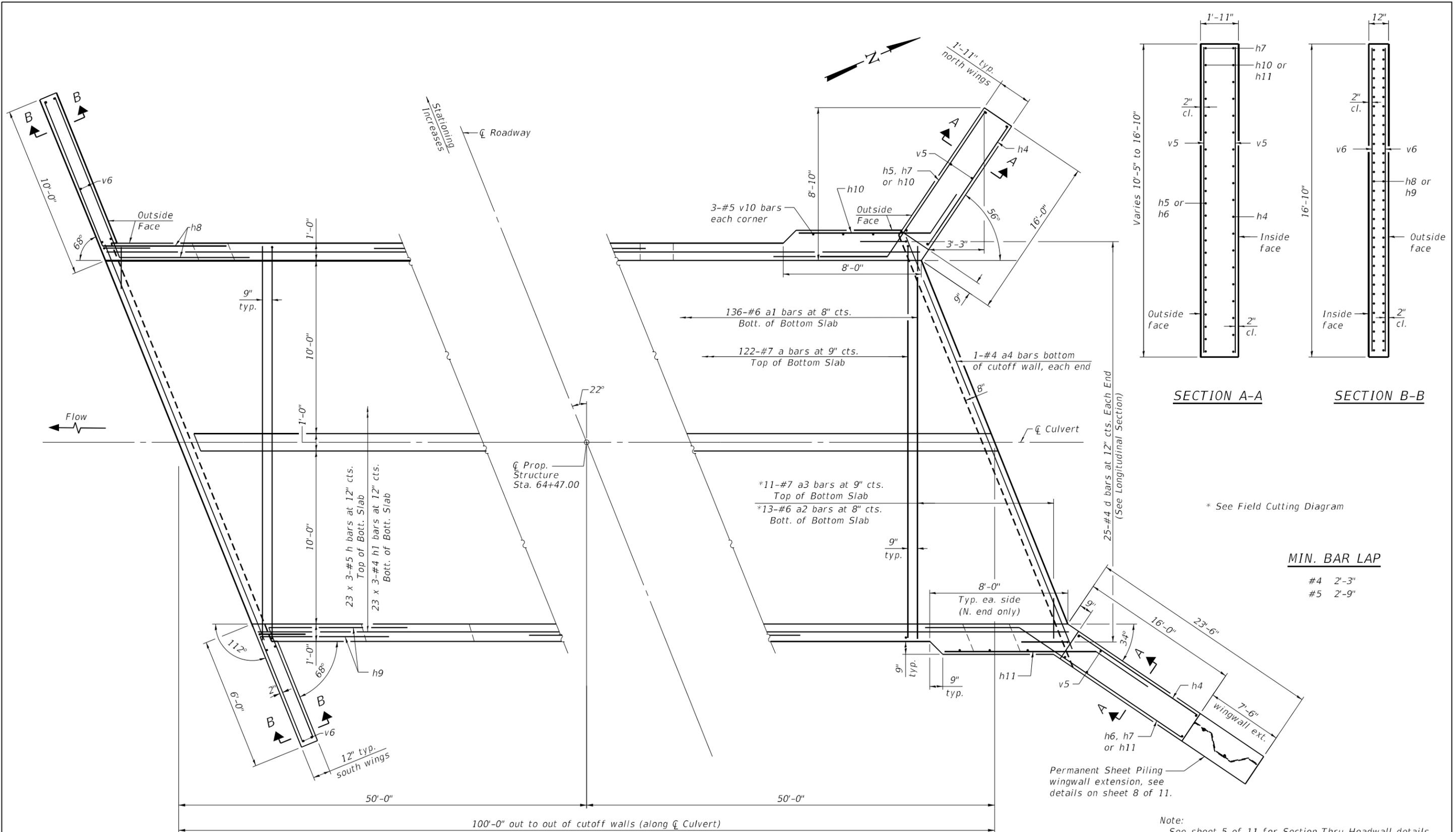
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS - TOP SLAB PLAN**  
**STRUCTURE NO. 010-2038**

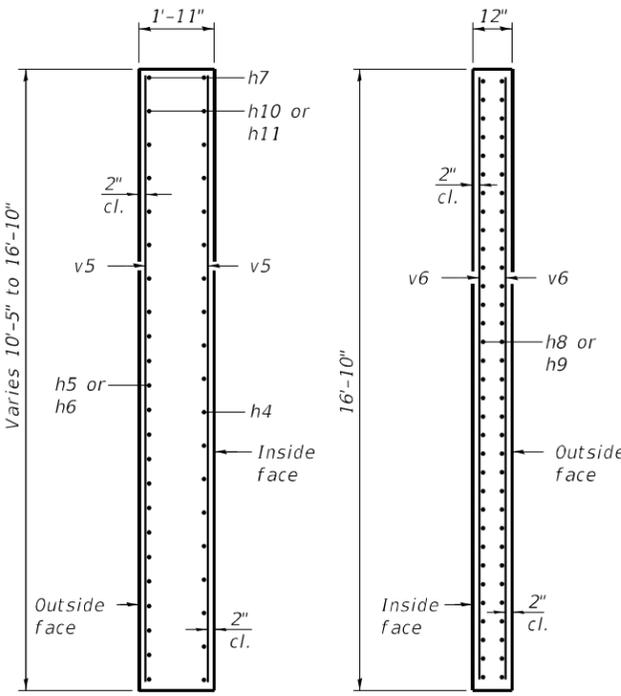
SHEET 3 OF 11 SHEETS

F.A.P. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	26
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

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**PLAN - BOTTOM SLAB**



**SECTION A-A**      **SECTION B-B**

\* See Field Cutting Diagram

**MIN. BAR LAP**

- #4 2'-3"
- #5 2'-9"

Note:  
 See sheet 5 of 11 for Section Thru Headwall details and Longitudinal Section.  
 See sheet 8 of 11 for Field Cutting Diagrams.  
 A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.  
 Bars indicated thus 23 x 3 - #5 etc. indicates 23 lines of bars with 3 lengths per line.



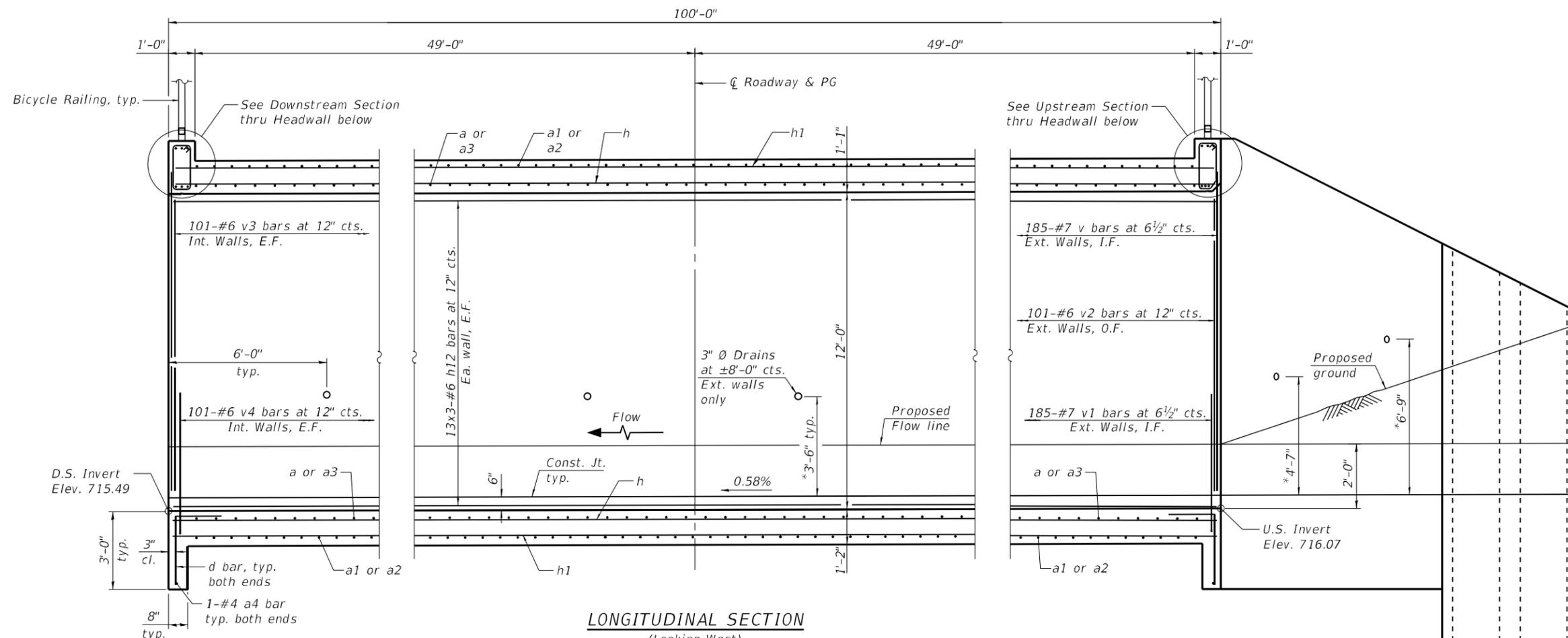
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS - BOTTOM SLAB PLAN**  
**STRUCTURE NO. 010-2038**

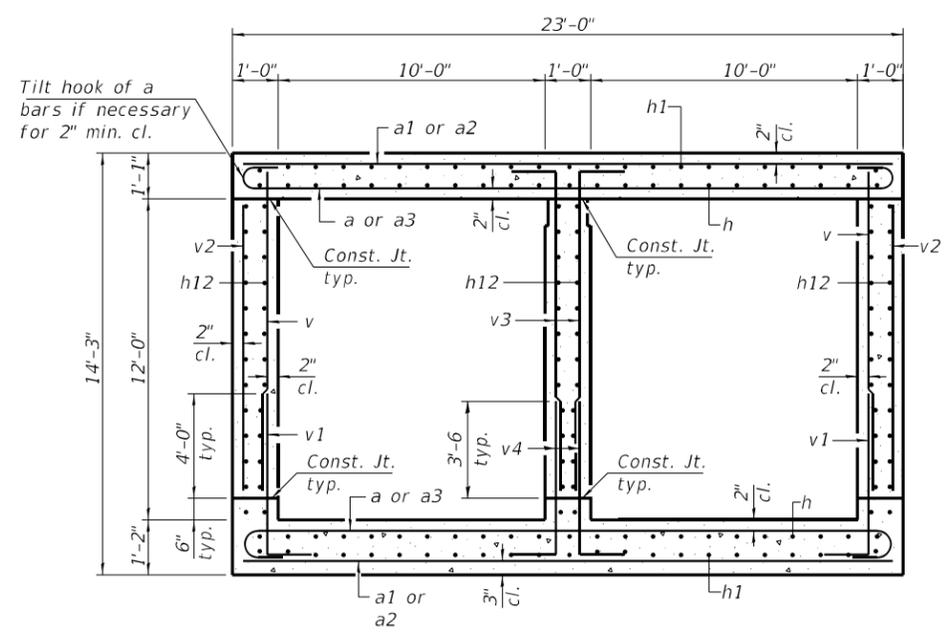
SHEET 4 OF 11 SHEETS

FAP RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	27
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				



**LONGITUDINAL SECTION**  
(Looking West)

\* Drains raised for 2' expected silt until channel is lowered in future work

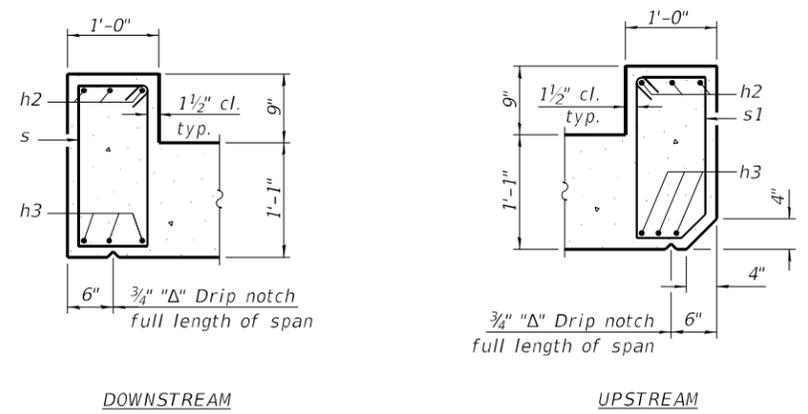


**SECTION THRU BARREL**

**LEGEND**  
E.F. Each Face  
I.F. Inside Face  
O.F. Outside Face

**MIN. LAP LENGTH**

- #4 2'-3"
- #5 2'-9"
- #6 3'-4"
- #7 3'-10"



**SECTION THRU HEADWALL**

Notes:  
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.  
For exterior barrel wall reinforcement detailing for pipe openings, see Sheet 8 of 11.

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 Professional Design Firm No. 284-005516



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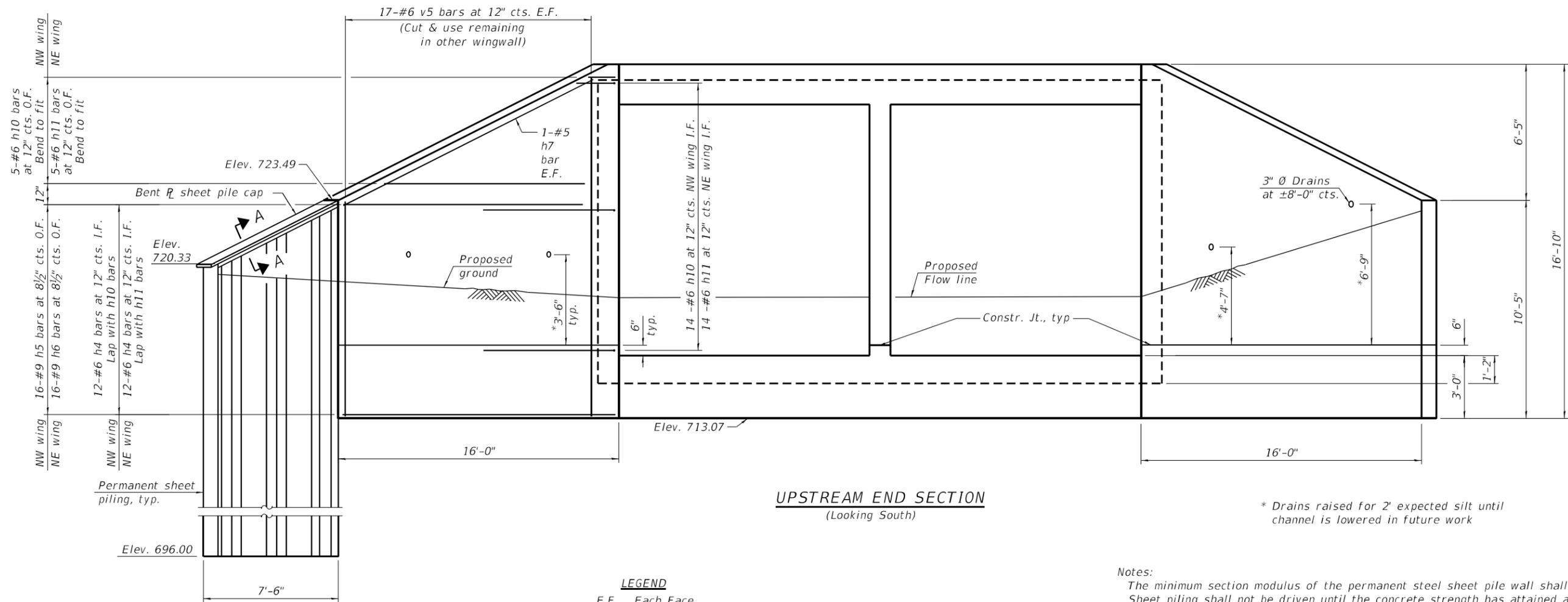
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS**  
**STRUCTURE NO. 010-2038**

SHEET 5 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	28
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

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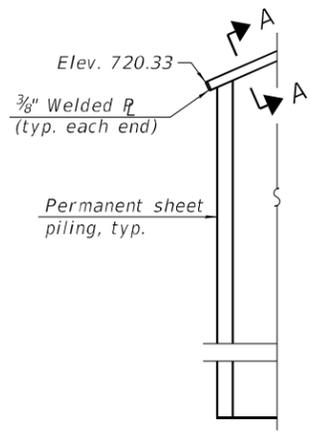


**UPSTREAM END SECTION**  
 (Looking South)

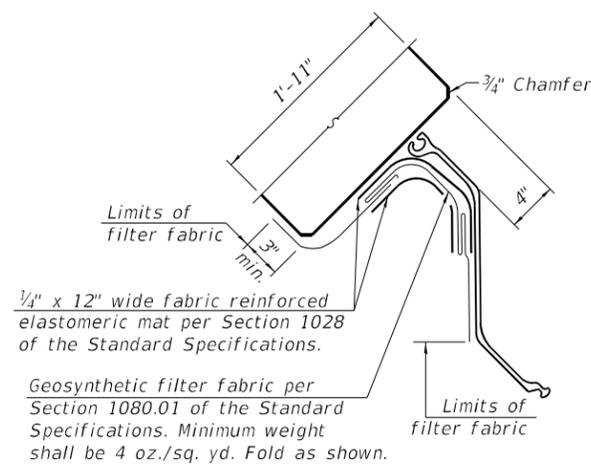
\* Drains raised for 2' expected silt until channel is lowered in future work

**LEGEND**  
 E.F. Each Face  
 I.F. Inside Face  
 O.F. Outside Face

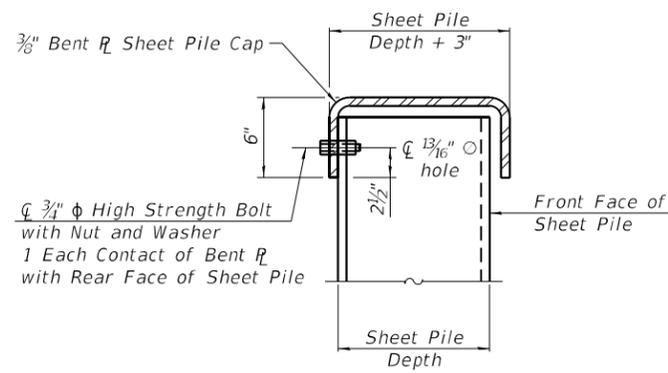
**Notes:**  
 The minimum section modulus of the permanent steel sheet pile wall shall be 35 in.<sup>3</sup>/ft.  
 Sheet piling shall not be driven until the concrete strength has attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3500 psi.  
 The contractor will need appropriate driving equipment to achieve the required minimum tip elevations.  
 The cost of furnishing and installing the bent R sheet pile cap, elastomeric mat, and filter fabric shall be included in the cost of Permanent Sheet Piling.



**ELEVATION**



**DETAIL**



**SECTION A-A**

**BILL OF MATERIAL**

Item	Unit	Quantity
Permanent Sheet Piling	Sq. Ft.	195



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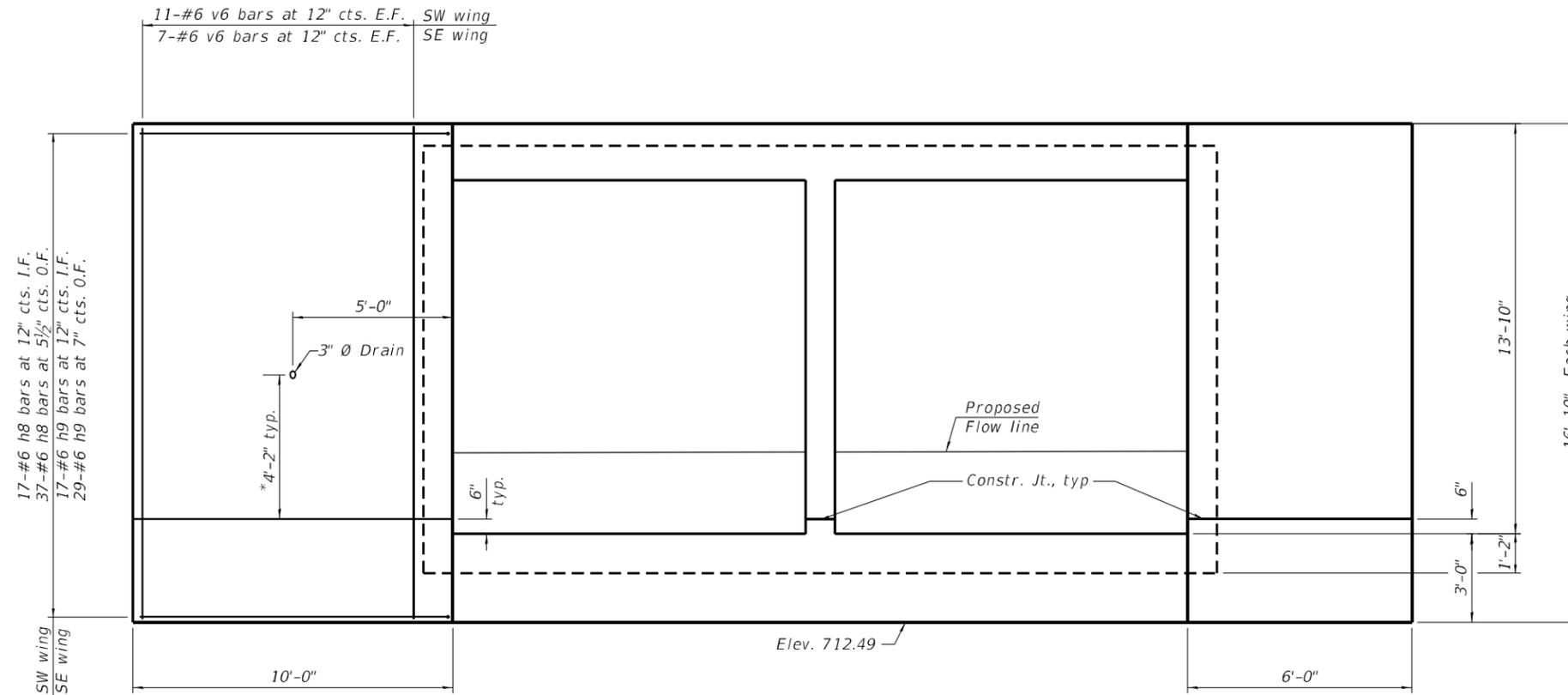
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS**  
**STRUCTURE NO. 010-2038**

SHEET 6 OF 11 SHEETS

F.A.P. RTE. 801	SECTION 4BR	COUNTY CHAMPAIGN	TOTAL SHEETS 50	SHEET NO. 29
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

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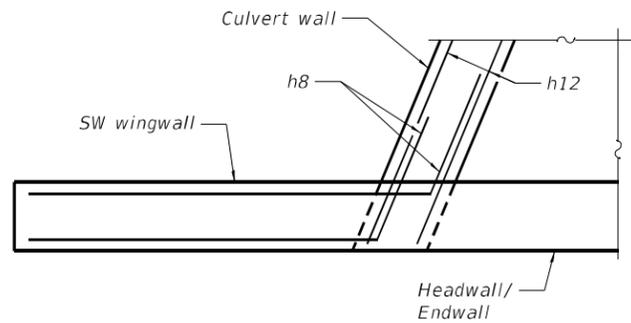
**DOWNSTREAM END SECTION**

(Looking North)

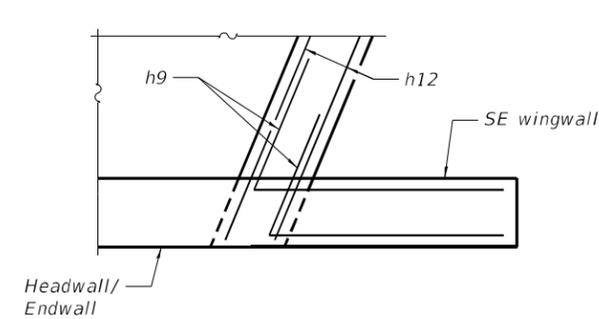
**LEGEND**

- E.F. Each Face
- I.F. Inside Face
- O.F. Outside Face

\* Drains raised for 2' expected silt until channel is raised in future work (No drain SE wingwall)



**PLAN AT SW WINGWALL**



**PLAN AT SE WINGWALL**



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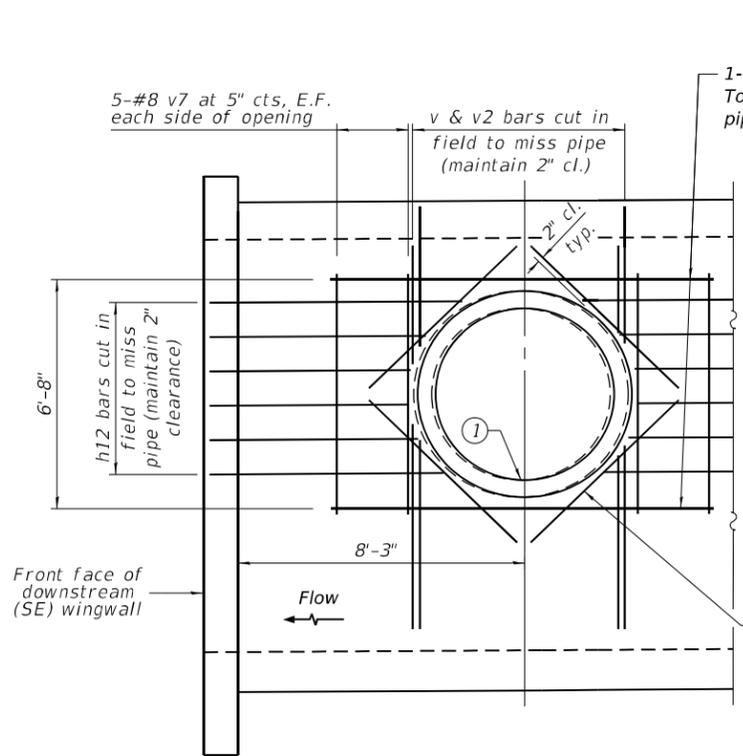
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS  
 STRUCTURE NO. 010-2038**

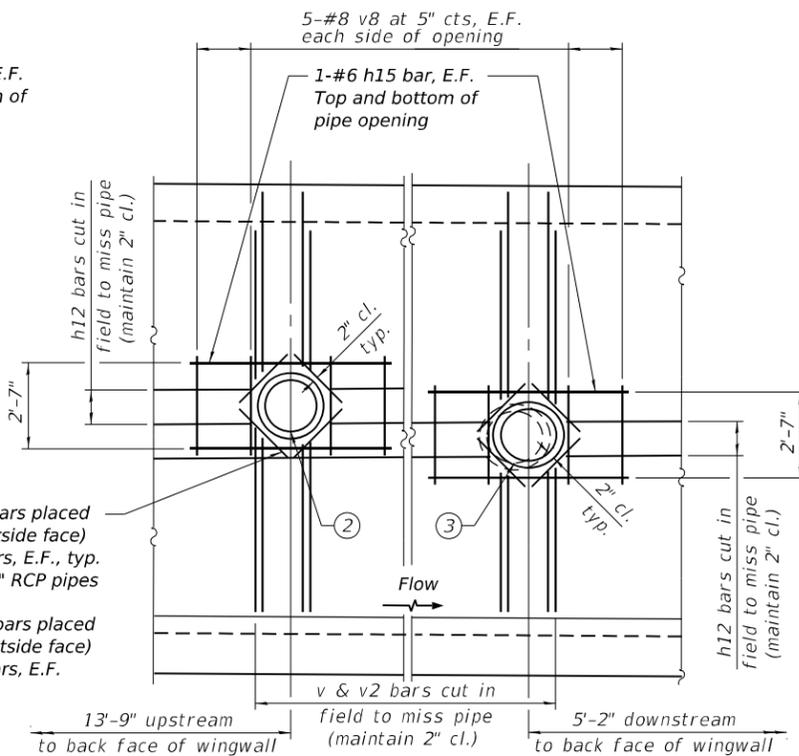
SHEET 7 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	30
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

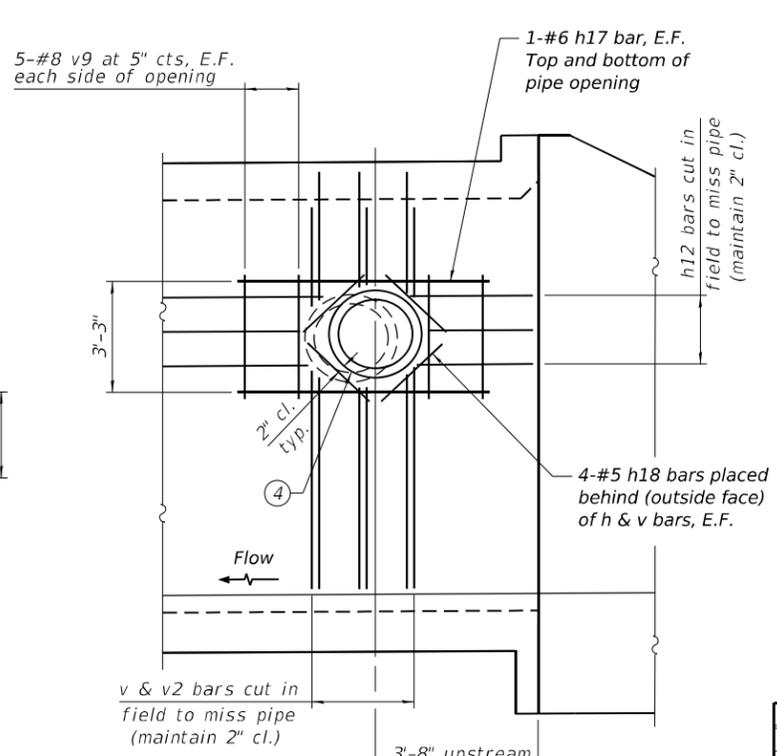
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① Storm Sewer, Class A, Type 2, 60" RCP  
 Inv. Elev. 720.54 at inside face of ext. wall  
**OUTSIDE FACE OF SE BARREL WALL**  
 (Looking West)



② Storm Sewer, Class A, Type 2, 18" RCP  
 Inv. Elev. 721.90 at inside face of ext. wall  
**OUTSIDE FACE OF WEST BARREL WALL**  
 (Looking East)



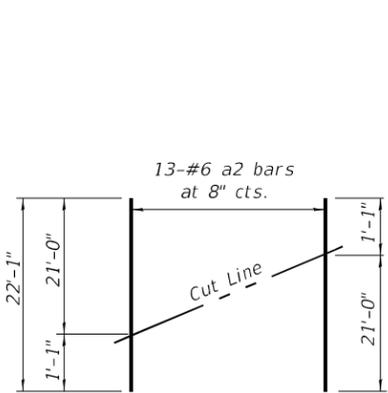
④ Storm Sewer, Class A, Type 2, 24" RCP  
 Inv. Elev. 723.12 at inside face of ext. wall  
**OUTSIDE FACE OF NE BARREL WALL**  
 (Looking West)

**Notes:**  
 Pipe sections shall be cast in the exterior culvert walls at the location shown. The ends shall extend a minimum of 6 inches past the inside face of walls. The pipes shall extend through and beyond the outside face a sufficient distance to allow connections.  
 The Contractor shall carefully construct the walls around the pipes to prevent leakage along the surfaces. The Contractor shall seal any voids between the culvert walls and sections with non-shrink grout per Article 1024.02 of the Standard Specifications.  
 The cost of the connection shall not be paid for separately but shall be included in the length of pipe culvert or storm sewer of the class, type, and size shown.

**BILL OF MATERIAL**

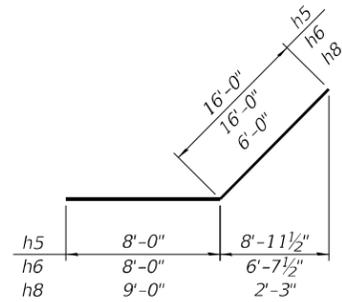
Bar	No.	Size	Length	Shape
a	244	#7	24'-4"	U
a1	272	#6	22'-8"	U
a2	26	#6	22'-1"	U
a3	22	#7	24'-8"	U
a4	2	#4	24'-5"	U
d	50	#4	4'-5"	L
h	138	#5	35'-3"	U
h1	138	#4	34'-9"	U
h2	6	#7	24'-5"	U
h3	6	#6	24'-5"	U
h4	24	#6	15'-8"	U
h5	16	#9	24'-0"	U
h6	16	#9	24'-0"	U
h7	4	#5	16'-4"	U
h8	54	#6	15'-0"	U
h9	46	#6	11'-0"	U
h10	19	#6	13'-0"	U
h11	19	#6	13'-0"	U
h12	234	#6	35'-6"	U
h13	4	#7	11'-2"	U
h14	8	#5	6'-0"	U
h15	8	#6	7'-8"	U
h16	16	#5	2'-0"	U
h17	4	#6	8'-6"	U
h18	8	#5	2'-6"	U
s	25	#4	5'-5"	U
s1	25	#4	5'-3"	U
v	370	#7	12'-3"	U
v1	370	#7	6'-7"	L
v2	202	#6	11'-2"	L
v3	202	#6	13'-3"	L
v4	202	#6	5'-11"	L
v5	34	#6	26'-7"	U
v6	36	#6	16'-6"	U
v7	20	#8	7'-0"	U
v8	40	#8	3'-0"	U
v9	20	#8	3'-8"	U
v10	6	#5	12'-3"	U
Concrete Box Culverts			Cu. Yd.	377.2
Reinforcement Bars			Pound	77,960

Bars indicated thus 1 x 3-#4 etc. indicates 1 line of bars with three lengths per line.

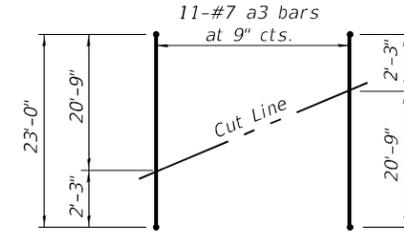


**FIELD CUTTING DIAGRAM**

Order bars shown full length. Cut as shown and use remainder of bars in opposite corner of slab.

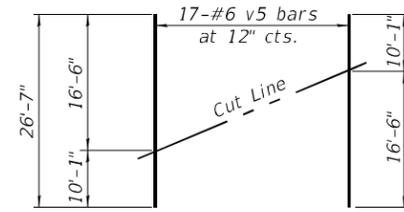


**BARS h5, h6 & h8**



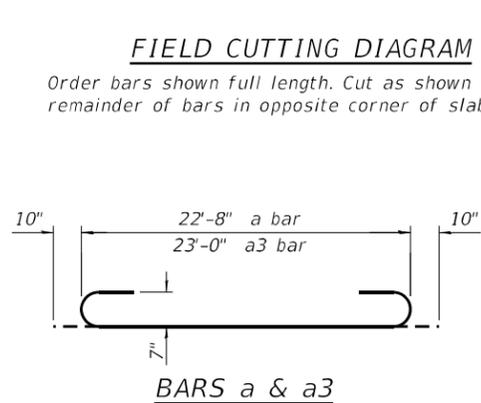
**FIELD CUTTING DIAGRAM**

Order bars shown full length. Cut as shown and use remainder of bars in opposite corner of slab

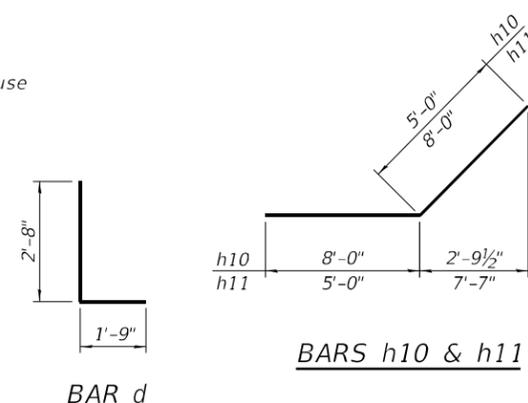


**FIELD CUTTING DIAGRAM**

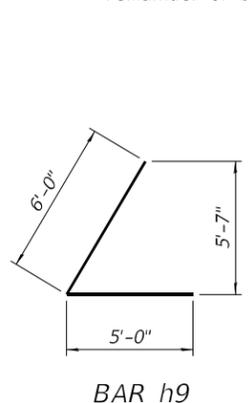
Order bars shown full length. Cut as shown and use remainder of bars in other wingwall.



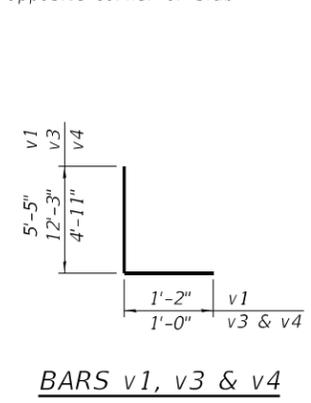
**BARS a & a3**



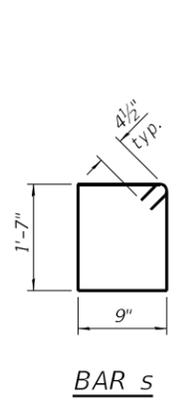
**BARS h10 & h11**



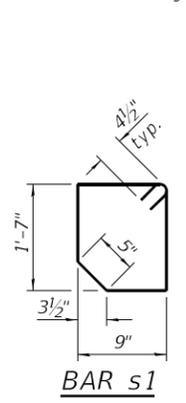
**BAR h9**



**BARS v1, v3 & v4**



**BAR s**



**BAR s1**

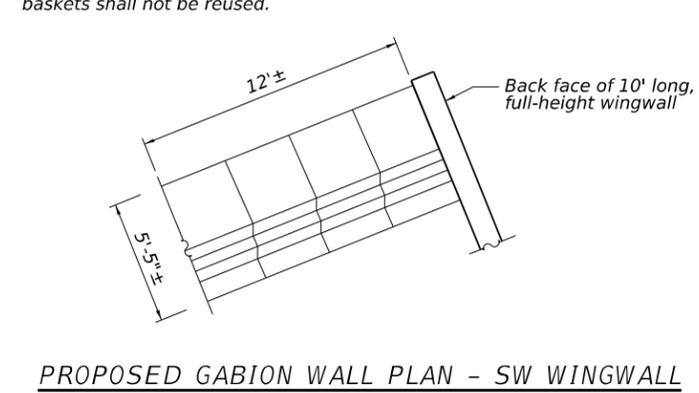
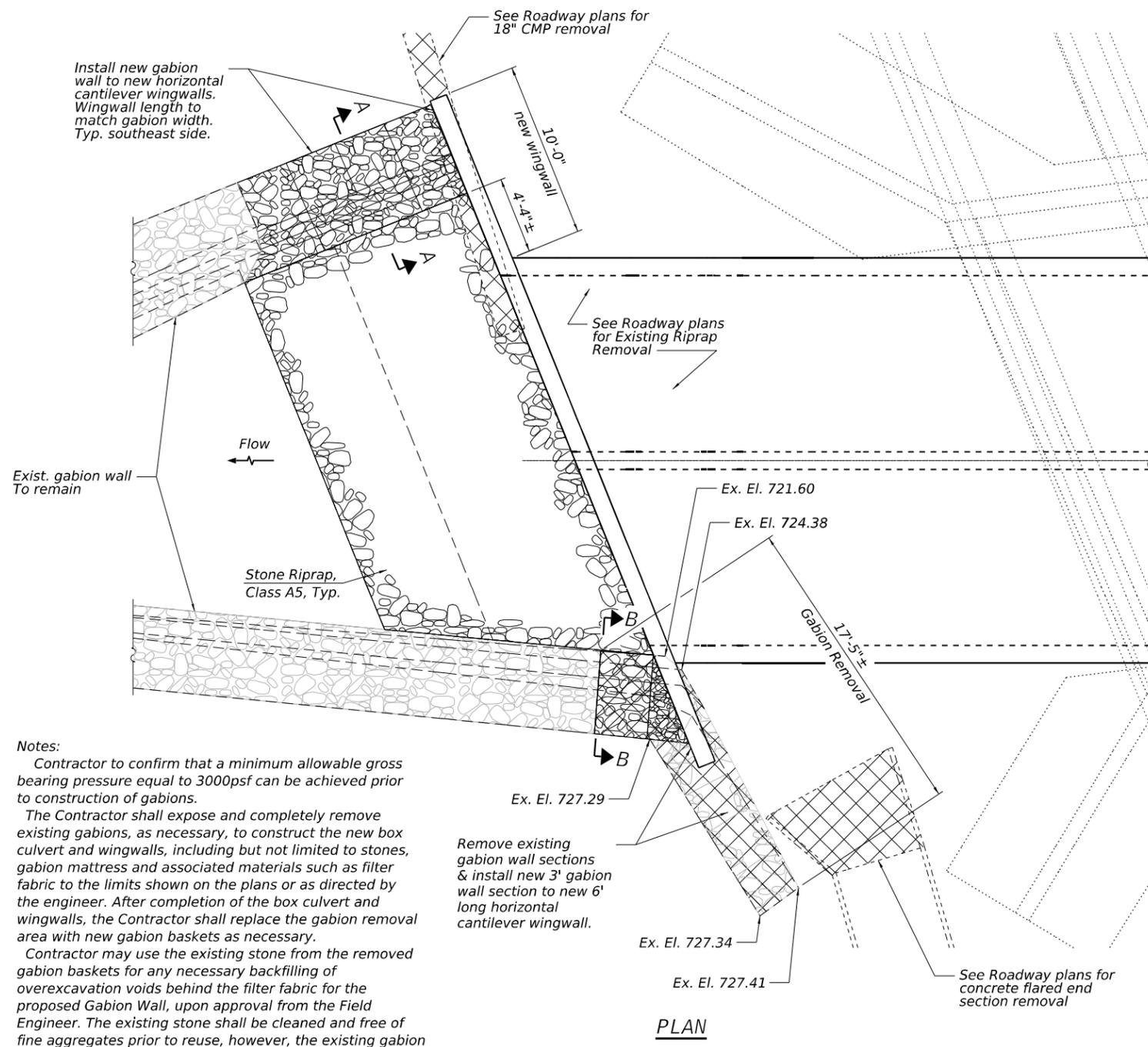
<p><b>KUHN &amp; TRELLO</b>          CONSULTING ENGINEERS          A Limited Liability Company          109 N. 7th Street, 3rd Floor          Springfield, IL 62702          Phone: 217-618-0244</p>	USER NAME =	DESIGNED - SPN	REVISED -
	PLOT SCALE =	CHECKED - MJT	REVISED -
	PLOT DATE = 5/4/2023 2:34:13 PM	DRAWN - MMY	REVISED -
		CHECKED - SPN/MJT	REVISED -

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

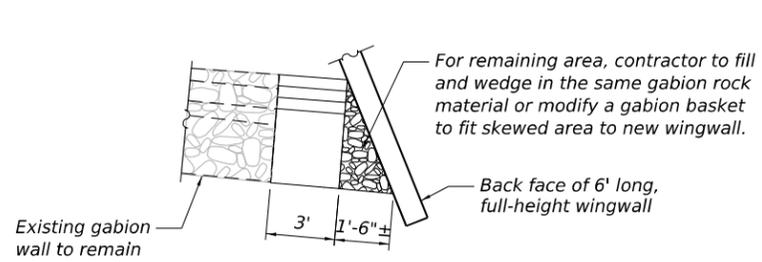
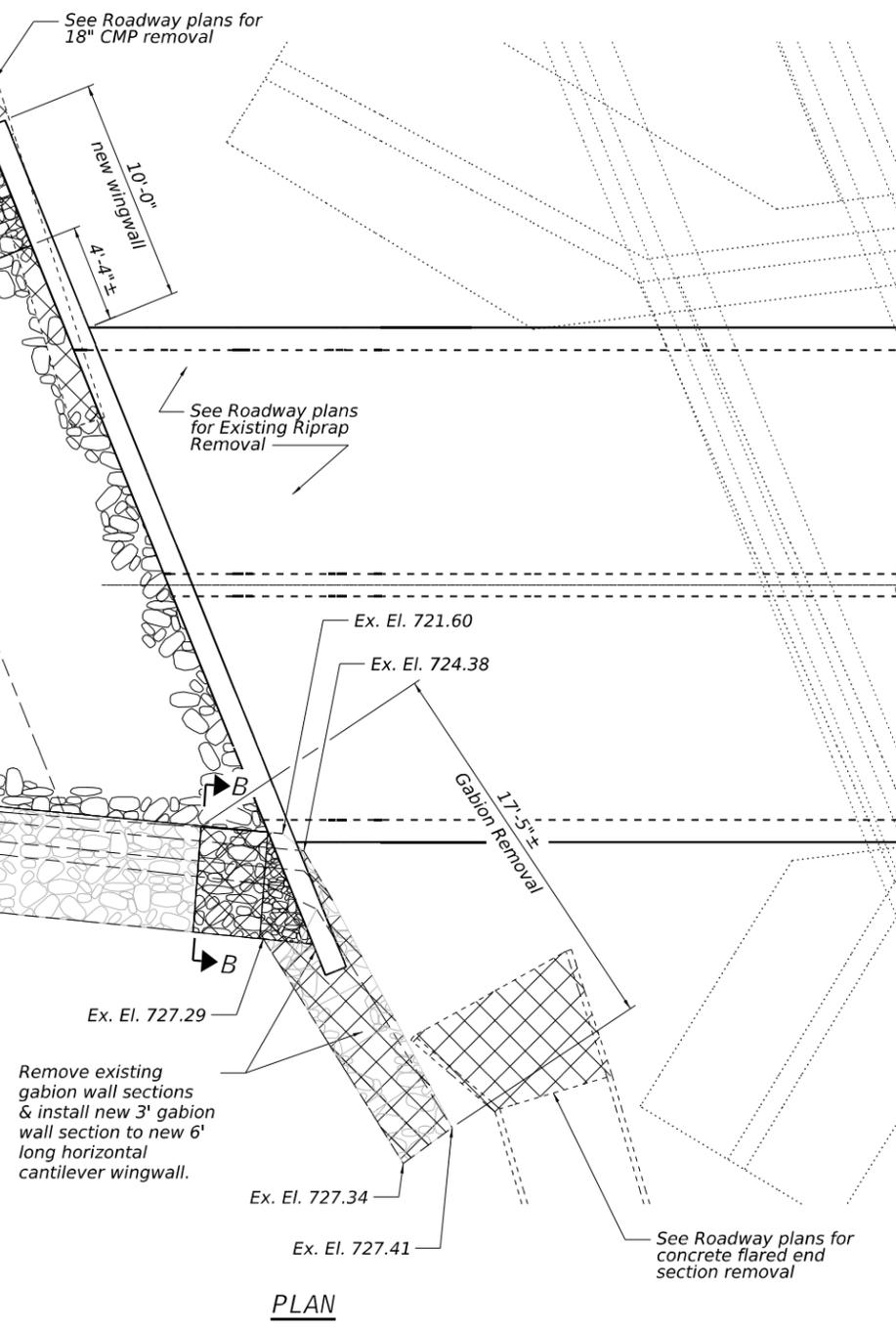
**CULVERT DETAILS**  
**STRUCTURE NO. 010-2038**  
 SHEET 8 OF 11 SHEETS

F&P RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	31
				CONTRACT NO. 70581
				ILLINOIS FED. AID PROJECT

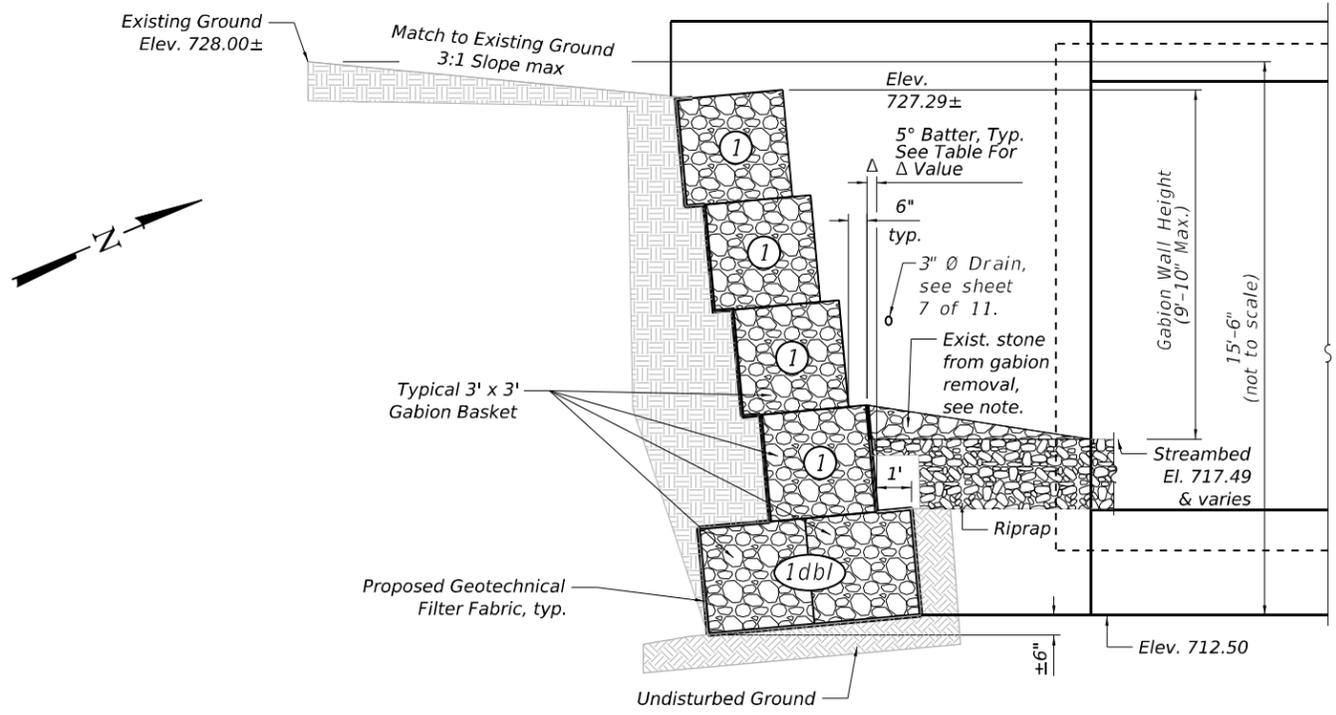
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PROPOSED GABION WALL PLAN - SW WINGWALL



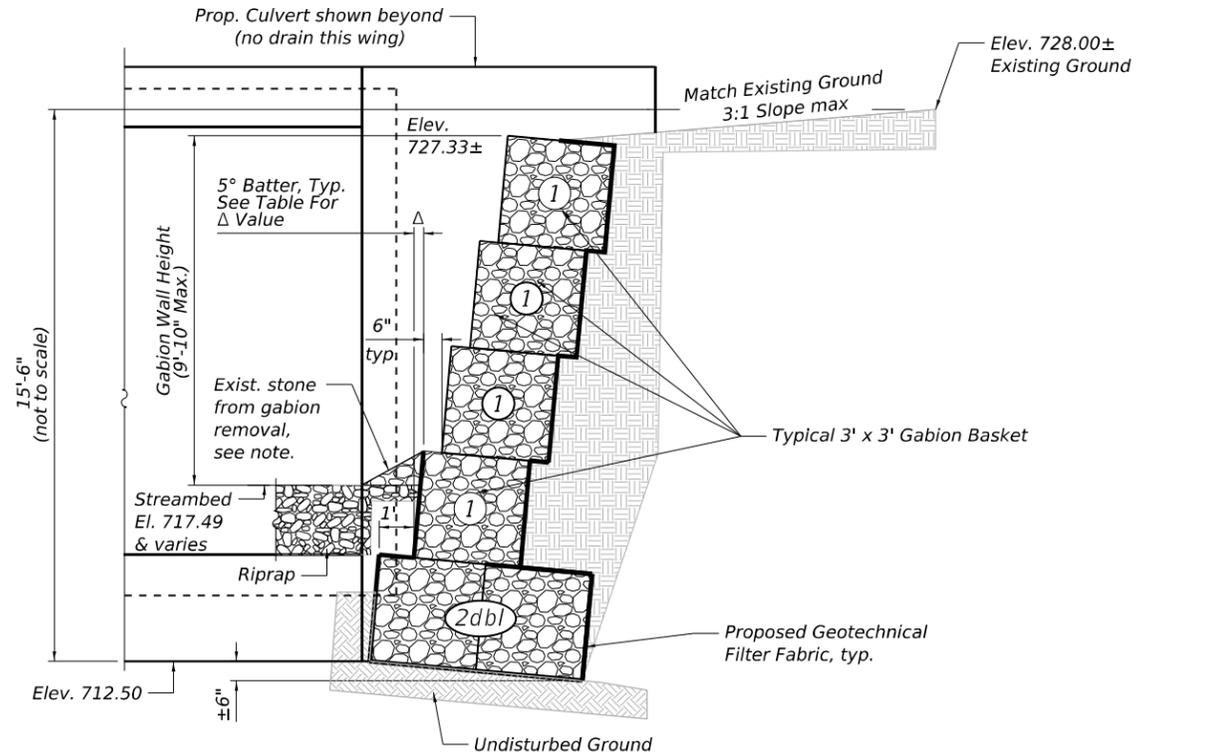
PROPOSED GABION WALL PLAN - SE WINGWALL



GABION WALL SECTION A-A

Table for 5° Batter

Basket Ht.	Def. Dist., Δ
3' - 0"	3 1/4"
1' - 6"	1 1/2"
1' - 0"	1"



GABION WALL SECTION B-B

BILL OF MATERIAL

Item	Unit	Quantity
Gabion Removal	Cu. Yd.	36
Gabions	Cu. Yd.	33

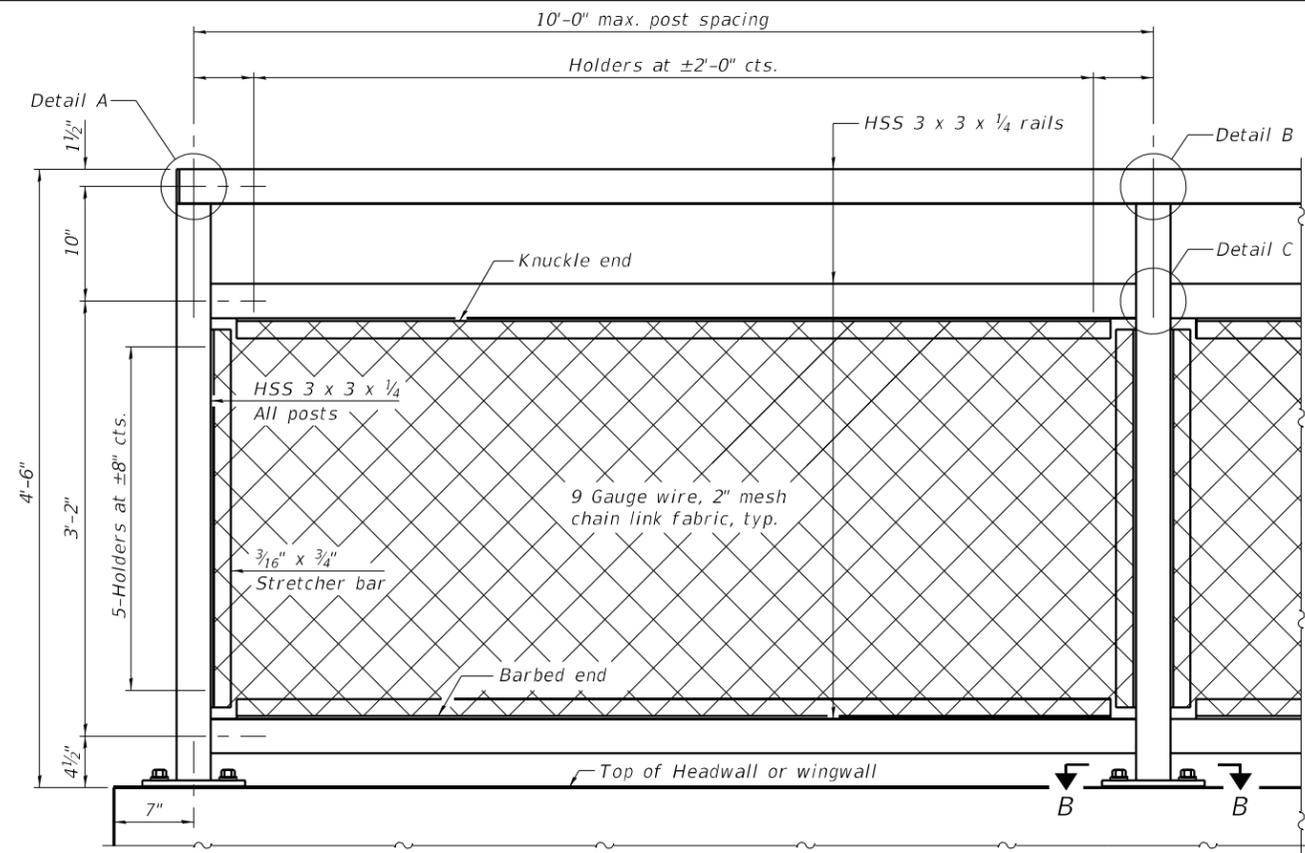
<p><b>KUHN &amp; TRELLO</b>          CONSULTING ENGINEERS          A Limited Liability Company          100 N. 7th Street, 3rd Floor          Springfield, IL 62702          Phone: 217-618-0214</p>	USER NAME =	DESIGNED - SPN	REVISED -
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

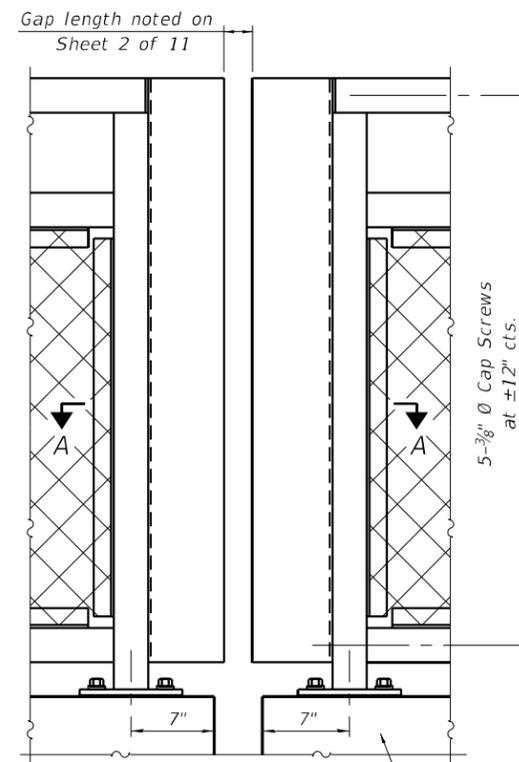
CULVERT DETAILS - GABION WALL DETAILS  
 STRUCTURE NO. 010-2038

SHEET 9 OF 11 SHEETS

F.A.P. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	32
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

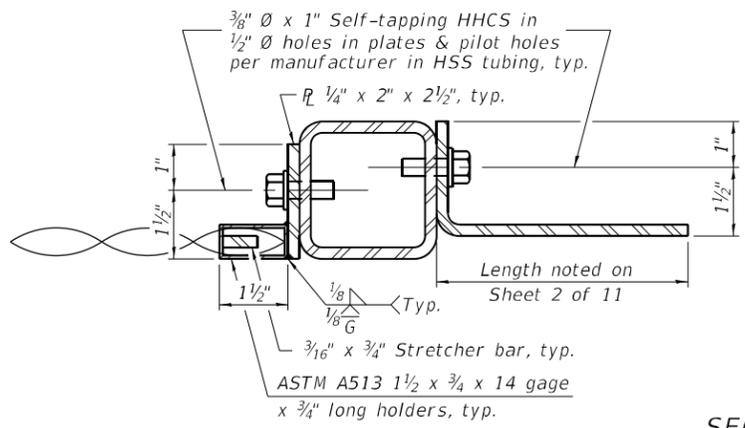
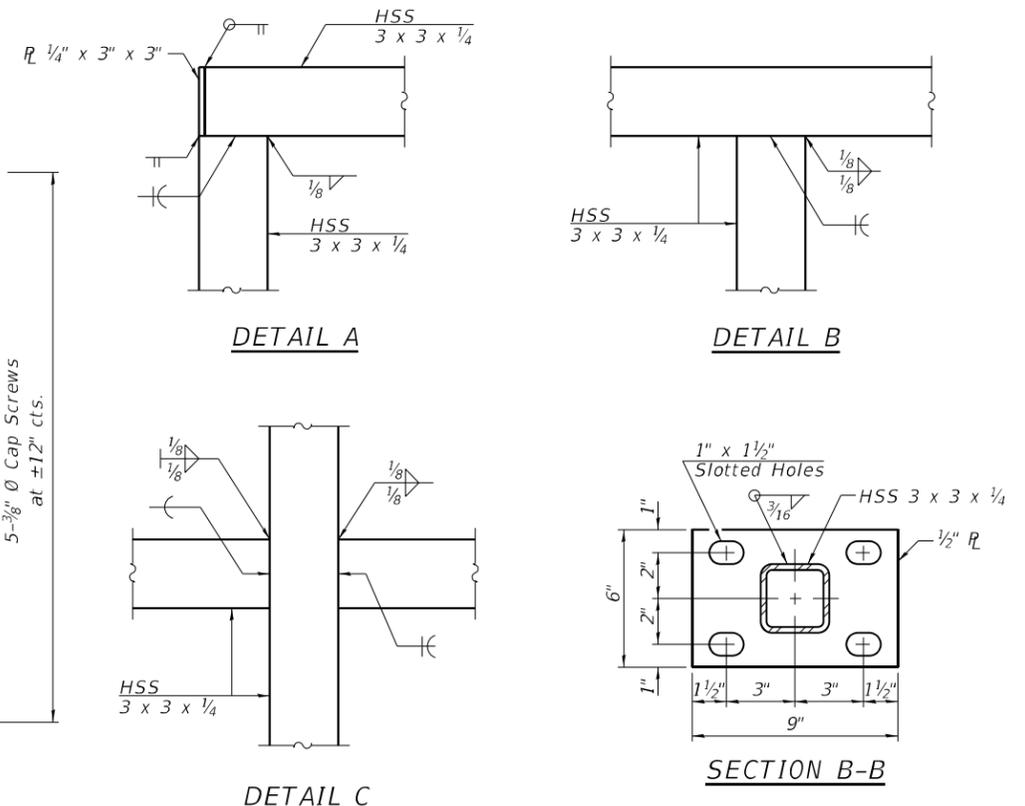


**ELEVATION BICYCLE RAILING ON CULVERT HEADWALL/WINGWALL**  
(Inside face)

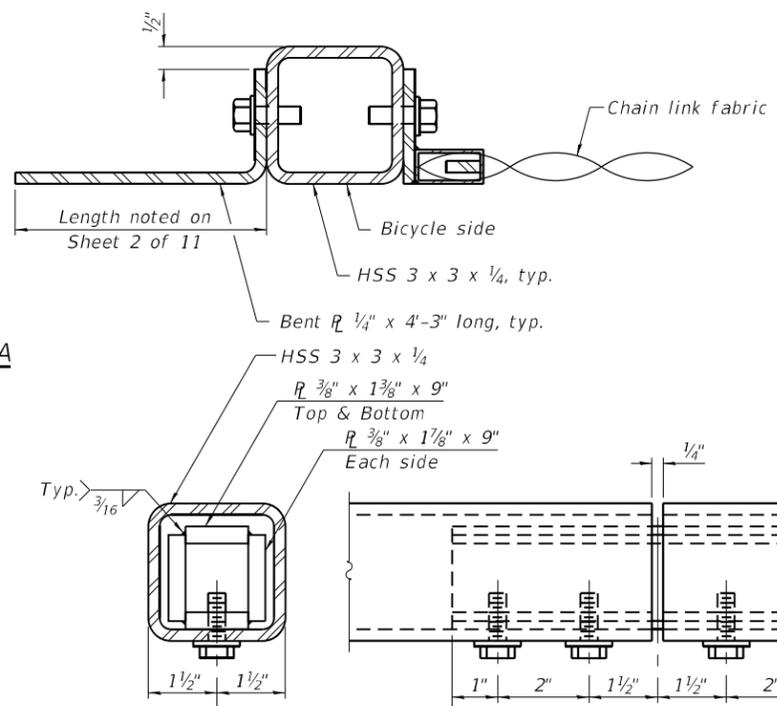


**BICYCLE RAILING TRANSITION TO SIDEWALK**  
(Inside face)

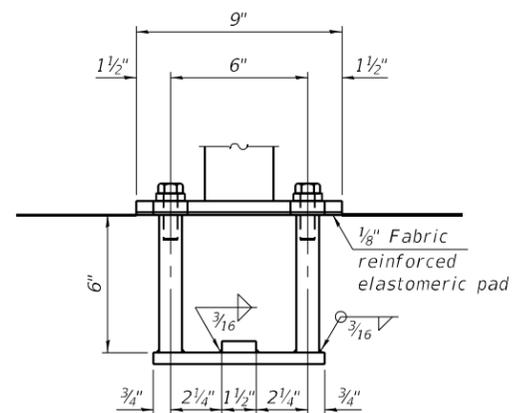
PCC Sidewalk, 5"  
Contractor to drill and set 5/8" Ø fully threaded anchor rods with the same plate washers as specified in Anchorage Assembly detail below and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



**SECTION A-A**



**MATERIAL SPLICE**



**ANCHORAGE ASSEMBLY**

The Bicycle 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 5/8" 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.

**RAILING CRITERIA**

MASH 2016 Test Level	4
Bicycle Railing Weight (plf)	50
Max Post Spacing	10'-0"

**BILL OF MATERIAL**

Item	Unit	Quantity
Bicycle Railing	Foot	140

MODEL: Default; FILE NAME: J:\200300.10 IDOT D5 - PTB 194-040 - WO10 - 70581 - ORD-010-Railing.dgn



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	CHECKED - SPN/MJT	REVISD -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**BICYCLE RAILING DETAILS STRUCTURE NO. 010-2038**

SHEET 10 OF 11 SHEETS

F.A.P. RTE. 801	SECTION 4BR	COUNTY CHAMPAIGN	TOTAL SHEETS 50	SHEET NO. 33
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation  
Division of Highways  
IL DEPARTMENT OF TRANSPORTATION

### SOIL BORING LOG

Page 1 of 1  
Date 8/25/21

ROUTE FAP 801 (IL 10) DESCRIPTION IL 10 over Copper Slough E of Duncan LOGGED BY DDB  
SECTION 4BR LOCATION SW 1/4, SEC. 10, TWP. 19N, RNG. 8E, 3<sup>rd</sup> PM., GPS:  
COUNTY Champaign DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 010-0135  
Station 64+55  
BORING NO. 1 NE QUAD  
Station 63+92.37  
Offset 34.60ft RT  
Ground Surface Elev. 729.64 ft

DEPTH (ft)	SOIL TYPE	U	M	Surface Water Elev. (ft)	DEPTH (ft)	SOIL TYPE	U	M
0	BLACK TOP SOIL				0	COARSE SANDY GRAVEL (continued)		
3					2	GRAY CLAY TILL		
3		2.0	24.5		4		2.7	14.5
5	GRAY MOT TLED CLAY EMBANKMENT				6		B	
725.64					7	SANDY GRAY CLAY TILL		
					7		0.5	15.2
					10	GRAY CLAY TILL		
					10			
		2.0	21.3		12			
		P			13			
					13			
					12			
			NS		10			
					11			
					9			
					4			
			NS		2			
					20			

DEPTH (ft)	SOIL TYPE	U	M	Surface Water Elev. (ft)	DEPTH (ft)	SOIL TYPE	U	M
0	BLACK TOP SOIL				0	COARSE SANDY GRAVEL (continued)		
3					2	GRAY CLAY TILL		
3		2.0	24.5		4		2.7	14.5
5	GRAY MOT TLED CLAY EMBANKMENT				6		B	
725.64					7	SANDY GRAY CLAY TILL		
					7		0.5	15.2
					10	GRAY CLAY TILL		
					10			
		2.0	21.3		12			
		P			13			
					13			
					12			
			NS		10			
					11			
					9			
					4			
			NS		2			
					20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation  
Division of Highways

### SOIL BORING LOG

Page 1 of 2  
Date 12/22/22

ROUTE IL 10 DESCRIPTION IL 10 over Copper Slough LOGGED BY KEG  
SECTION 4BR LOCATION 40° 6'46.00"N, 88°17'25.20"W  
COUNTY Champaign DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 010-2038  
Station 64+55  
BORING NO. SB-01  
Station 64+44.65  
Offset 58.64' LT  
Ground Surface Elev. 727.59 ft

DEPTH (ft)	SOIL TYPE	B	U	M	Surface Water Elev. (ft)	DEPTH (ft)	SOIL TYPE	B	U	M
0	TOPSOIL - 2"					0	SANDY LOAM - Gray, loose (continued)			
1	SILTY LOAM - Light brown, med-stiff, w/ some organics and gravel		0.8	16		6	SILTY CLAY - Gray, med-stiff, w/ some pebbles, moist		3.1	13
2					10					
3					14					
4					14					
5					25					
721.6	LOAMY SAND - Light brown, loose, w/ some pebbles		0.4	7		5				
					7					
					10					
					10					
					5					
					7					
					10					
					10					
					4					
					6					
					9					
					30					
					30					
					7					
					11					
					13					
					13					
					4					
					32					
					26					
					15					
					16					
					13					
					23					
					7					
					15					
					12					
					20					

DEPTH (ft)	SOIL TYPE	B	U	M	Surface Water Elev. (ft)	DEPTH (ft)	SOIL TYPE	B	U	M
0	TOPSOIL - 2"					0	SANDY LOAM - Gray, loose (continued)			
1	SILTY LOAM - Light brown, med-stiff, w/ some organics and gravel		0.8	16		6	SILTY CLAY - Gray, med-stiff, w/ some pebbles, moist		3.1	13
2					10					
3					14					
4					14					
5					25					
721.6	LOAMY SAND - Light brown, loose, w/ some pebbles		0.4	7		5				
					7					
					10					
					10					
					5					
					7					
					10					
					10					
					4					
					6					
					9					
					30					
					30					
					7					
					11					
					13					
					13					
					4					
					32					
					26					
					15					
					16					
					13					
					23					
					7					
					15					
					12					
					20					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation  
Division of Highways

### SOIL BORING LOG

Page 2 of 2  
Date 12/22/22

ROUTE IL 10 DESCRIPTION IL 10 over Copper Slough LOGGED BY KEG  
SECTION 4BR LOCATION 40° 6'46.08"N, 88°17'25.28"W  
COUNTY Champaign DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 010-2038  
Station 64+55  
BORING NO. SB-01  
Station 64+44.65  
Offset 58.64' LT  
Ground Surface Elev. 727.59 ft

DEPTH (ft)	SOIL TYPE	B	U	M	Surface Water Elev. (ft)	DEPTH (ft)	SOIL TYPE	B	U	M
0	SILTY CLAY - Gray, med-stiff, w/ some pebbles, moist					0	SILTY CLAY LOAM - gray, med-stiff, w/ some gravel, moist			
6					684.1	5				
10					7					
14					10					
14					10					
25					45					
677.6	LOAMY SAND - Light brown, loose, w/ some pebbles		1.0	13		2				
					5					
					8					
					30					
					30					
					3					
					7					
					8					
					35					
					35					
					3					
					6					
					8					
					40					
					40					

DEPTH (ft)	SOIL TYPE	B	U	M	Surface Water Elev. (ft)	DEPTH (ft)	SOIL TYPE	B	U	M
0	SILTY CLAY - Gray, med-stiff, w/ some pebbles, moist					0	SILTY CLAY LOAM - gray, med-stiff, w/ some gravel, moist			
6					684.1	5				
10					7					
14					10					
14					10					
25					45					
677.6	LOAMY SAND - Light brown, loose, w/ some pebbles		1.0	13		2				
					5					
					8					
					30					
					30					
					3					
					7					
					8					
					35					
					35					
					3					
					6					
					8					
					40					
					40					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, form 137 (Rev. 8-99)

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SOIL BORING 70581 IL 10 OVER CS GPS IL DOT DOT 8/16/21

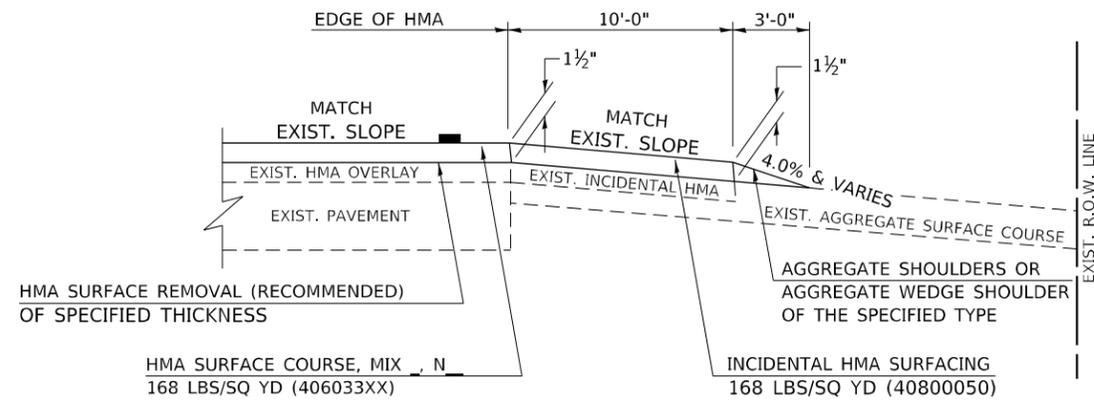


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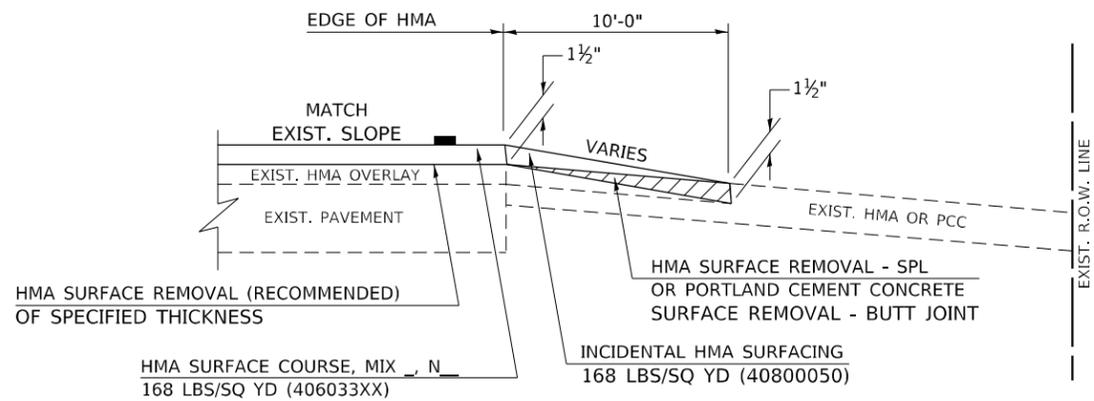
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

# PROJECTS WITHOUT RECONSTRUCTION

## S.M.A.R.T. IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.03; 1½")

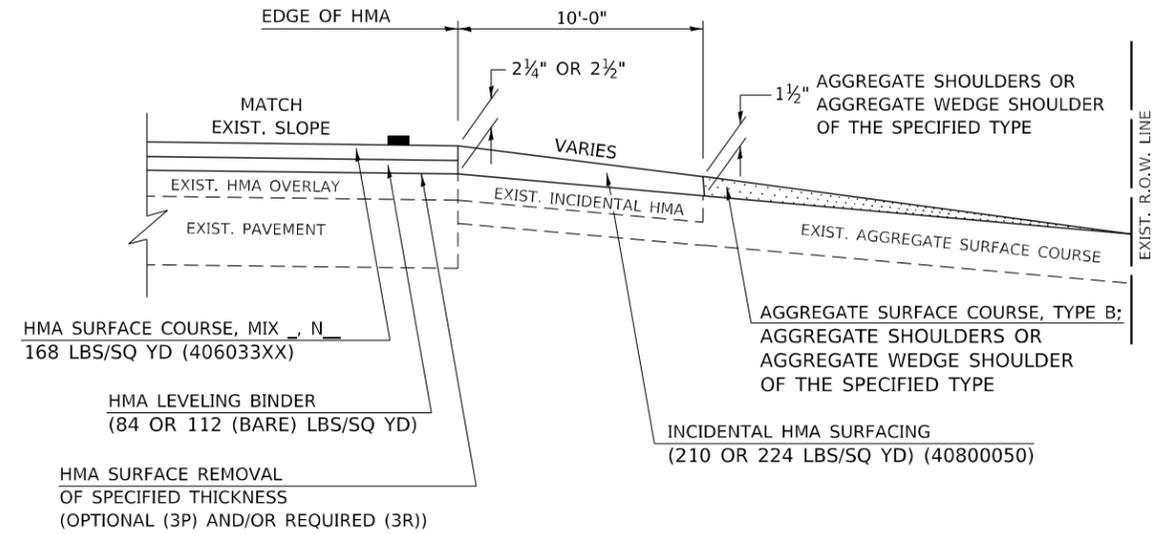


**EXISTING AGGREGATE ENTRANCE**

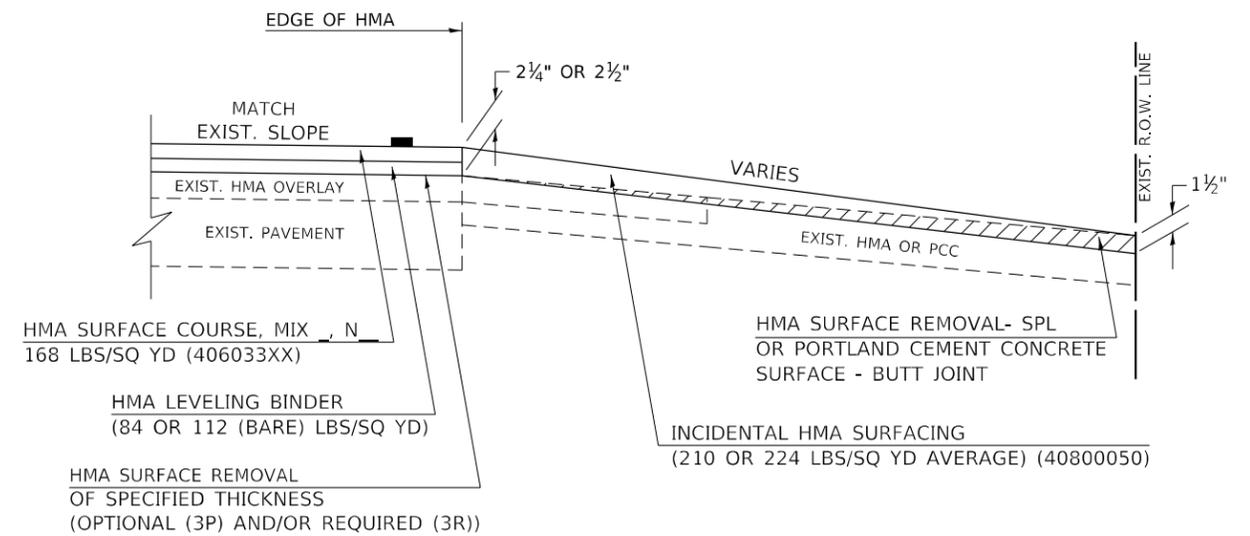


**EXISTING HMA OR PCC ENTRANCE**

## "3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



**EXISTING AGGREGATE ENTRANCE**



**EXISTING HMA OR PCC ENTRANCE**

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

**DISTRICT 5 DETAIL NO. 4080050C**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PRIVATE COMMERCIAL ENTRANCES  
(NONCOMMERCIAL AND COMMERCIAL RURAL)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	35
CONTRACT NO. 70581				

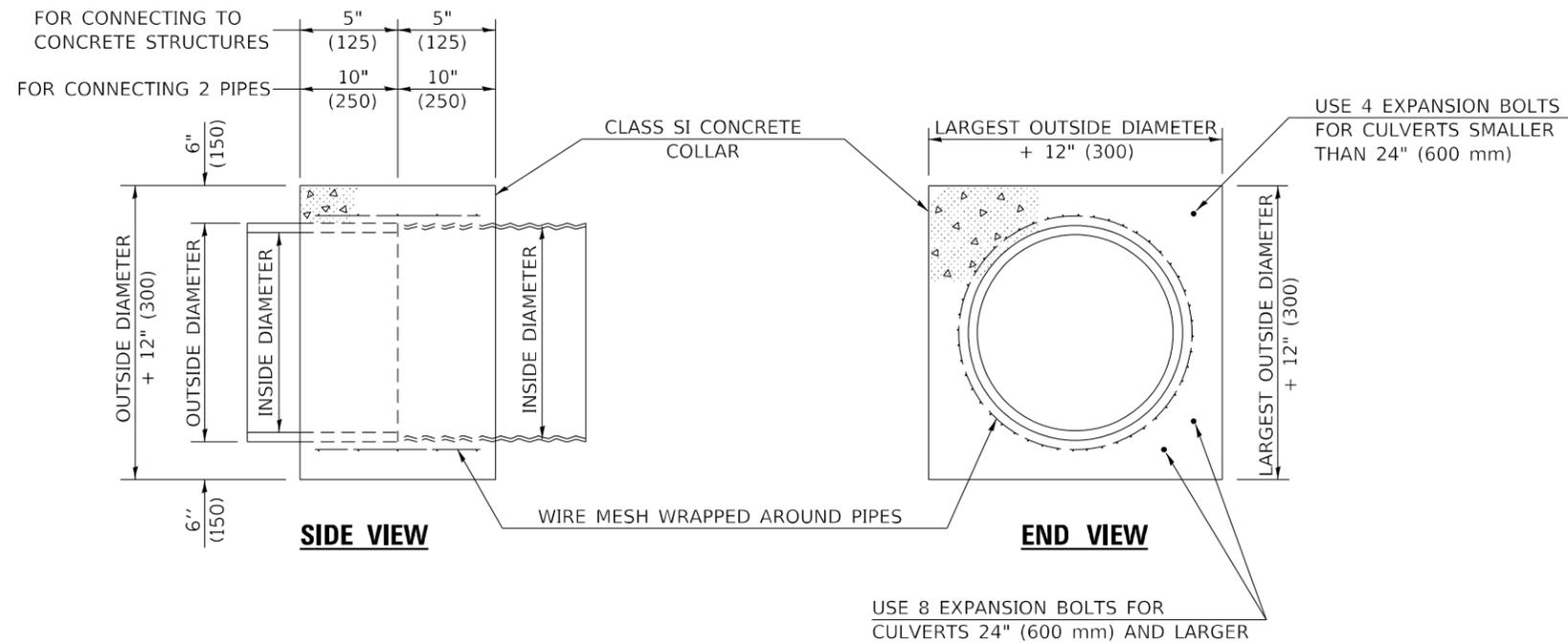
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ILLINOIS FED. AID PROJECT

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	DRAWN -	REVISED - 04/10 KJT	
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PLOT DATE = 3/14/2023	DATE -	REVISED - 8/25/22 JWS	





**GENERAL NOTES**

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER (SEE END VIEW).
3. THE WIRE MESH SHALL WEIGH NOT LESS THAN 54#/100 SQ. FT. (2.63 kg/m<sup>2</sup>).
4. WHEN CONCRETE COLLARS ARE CONSTRUCTED ADJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXPANSION BOLTS, SHALL BE USED AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR EXPANSION BOLTS OF THE SIZE SPECIFIED IN THE PLANS.
5. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, PER CUBIC YARD (CUBIC METER), FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

QUANTITIES FOR CONCRETE PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU.YD. (m <sup>3</sup> )
4" (100)	0.14 (0.11)
6" (150)	0.16 (0.12)
8" (200)	0.19 (0.14)
10" (250)	0.22 (0.17)
12" (300)	0.25 (0.19)
15" (375)	0.30 (0.23)
18" (450)	0.35 (0.27)
24" (600)	0.45 (0.35)
30" (750)	0.57 (0.43)
36" (900)	0.69 (0.53)
42" (1050)	0.83 (0.63)
48" (1200)	0.97 (0.74)
54" (1350)	1.12 (0.86)
60" (1500)	1.28 (0.98)

QUANTITIES FOR METAL PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU.YD. (m <sup>3</sup> )
4" (100)	0.12 (0.09)
6" (150)	0.14 (0.11)
8" (200)	0.16 (0.12)
10" (250)	0.19 (0.14)
12" (300)	0.21 (0.16)
15" (375)	0.25 (0.19)
18" (450)	0.29 (0.22)
24" (600)	0.38 (0.29)
30" (750)	0.47 (0.36)
36" (900)	0.59 (0.45)
42" (1050)	0.69 (0.53)
48" (1200)	0.81 (0.62)
54" (1350)	0.93 (0.71)
60" (1500)	1.05 (0.81)

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

MODEL: D:\p\h\... FILE NAME: P:\Eff\proj\2015... IDOT: PTB 194-40... DS: V44 Kuhn... Order: 100287TransCAD\Project... Drawing: 54248510.dgn

USER NAME = rhanfland	DESIGNED -	REVISED - 12/06
PLOT SCALE = 40,0000 */ in.	DRAWN -	REVISED -
PLOT DATE = 3/14/2023	CHECKED -	REVISED -
	DATE -	REVISED -

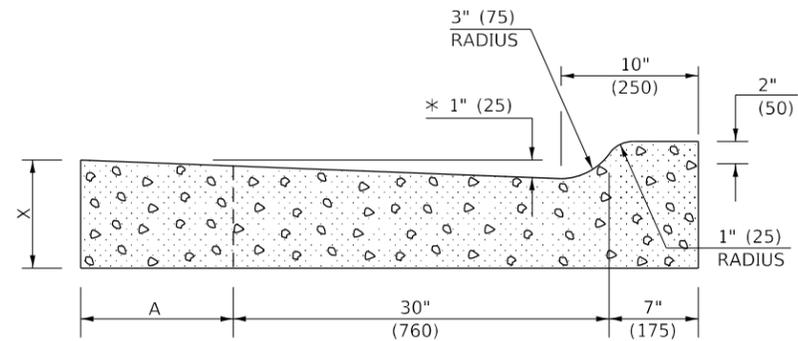
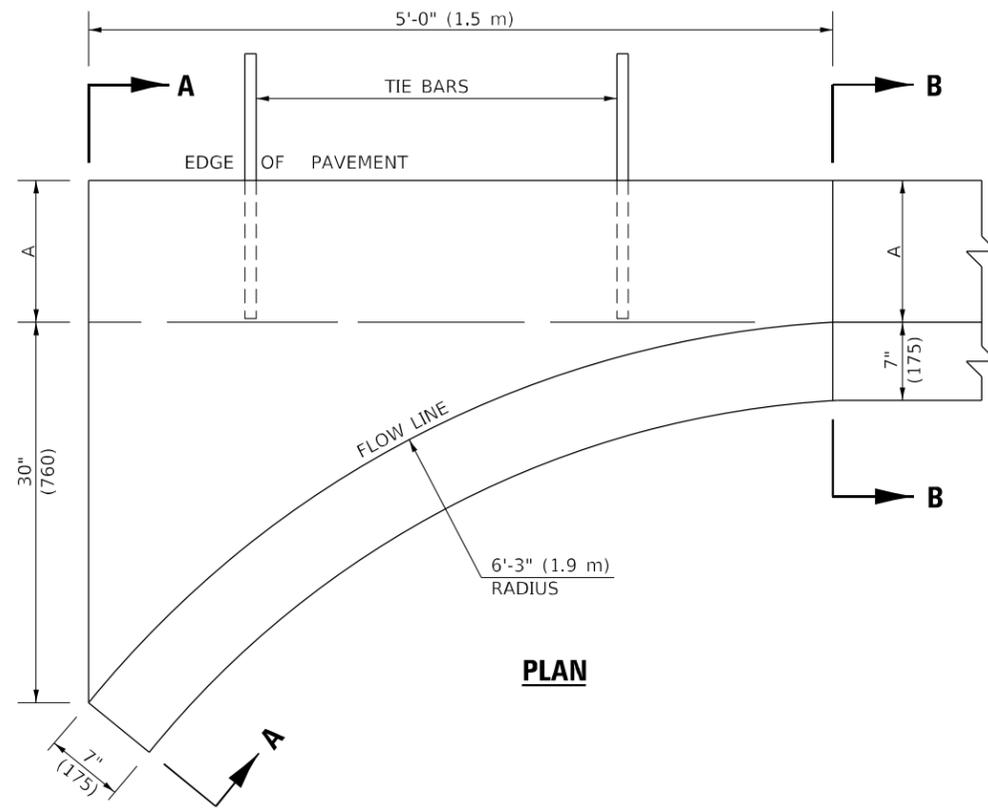
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONCRETE COLLAR**

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

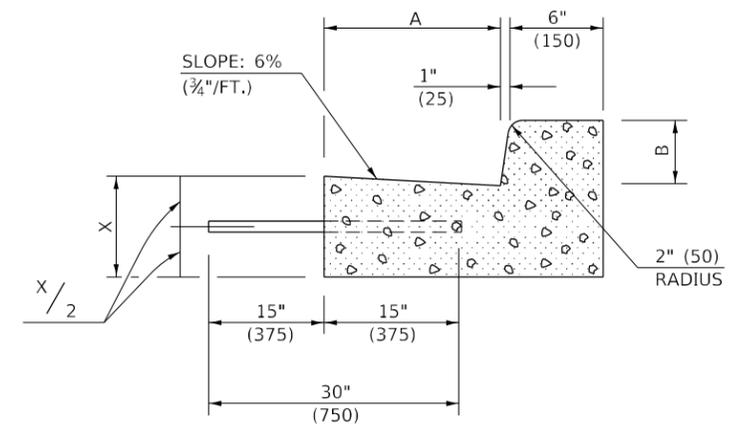
**DISTRICT 5 DETAIL NO. 54248510**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	37
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				



**SECTION A-A**

\* INCREASE TO 2" (50 mm) WHERE IN THE PLANS IT IS SPECIFIED THAT THESE SPECIAL INLETS ARE TO BE CONSTRUCTED AS OUTLETS. ALL OUTLET LOCATIONS WILL BE CONFIRMED BY THE ENGINEER.



**SECTION B-B**

**GENERAL NOTES**

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. TIE BARS SHALL BE NO. 6 (NO. 20) AT 24" (600 mm) CENTERS UNLESS OTHERWISE SHOWN. SPECIAL INLETS AND OUTLETS SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.
3. TIE BARS SHOWN ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL TO CLASS SI CONCRETE (OUTLET).
4. WHEN SPECIAL INLET IS CONSTRUCTED ADJACENT TO FLEXIBLE PAVEMENT, THE TIE BARS SHALL BE OMITTED AND ALL CONSTRUCTION JOINTS SHALL BE PROVIDED WITH A DOWEL BAR CONFORMING TO ARTICLE 1006.11(b).
5. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU. YD. (m<sup>3</sup>) FOR CLASS SI CONCRETE (OUTLET) WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

	B-6.12 (B-15.30)	B-9.12 (B-22.30)	B-6.18 (B-15.45)	B-9.18 (B-22.45)	B-6.24 (B-15.60)	B-9.24 (B-22.60)
A	12" (300)	12" (300)	12" (300)	12" (300)	18" (450)	18" (450)
B	6" (150)	6" (150)	9" (225)	9" (225)	6" (150)	6" (150)
X	9" (225)	10" (250)	9" (225)	10" (250)	9" (225)	10" (250)
CU. YD. (m <sup>3</sup> )	0.37 (0.28)	0.42 (0.32)	0.38 (0.29)	0.42 (0.32)	0.44 (0.34)	0.49 (0.37)
CLASS SI CONCRETE (OUTLET)	0.37 (0.28)	0.42 (0.32)	0.38 (0.29)	0.42 (0.32)	0.44 (0.34)	0.49 (0.37)

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

**DISTRICT 5 DETAIL NO. 6060095A**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INLET - COMBINATION CONCRETE CURB & GUTTER (BARRIER CURB)**

USER NAME = rhanfland	DESIGNED -	REVISED - 11/06
PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 3/14/2023	CHECKED -	REVISED -
	DATE -	REVISED -

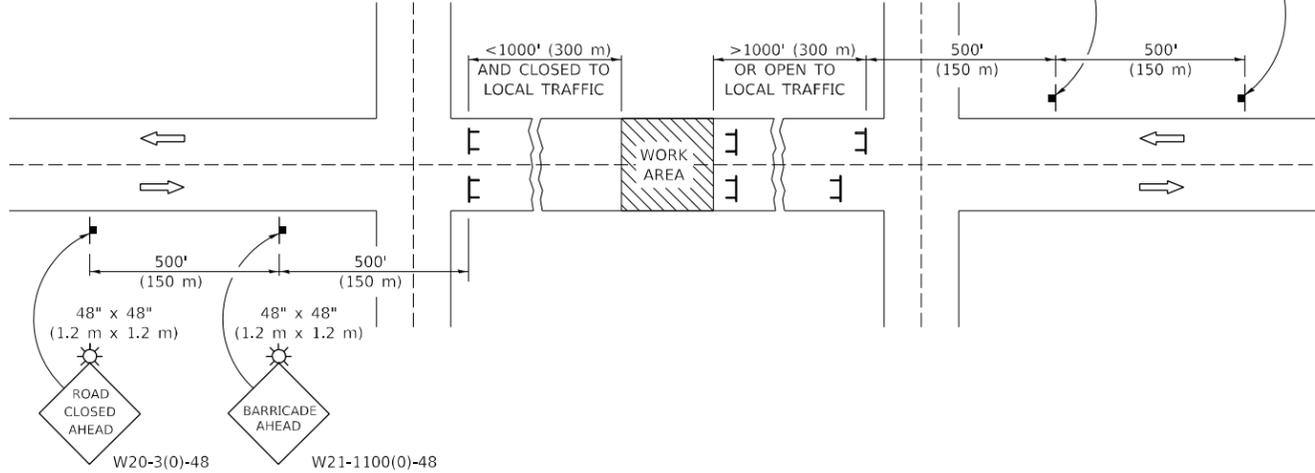
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	38
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

# ROAD CLOSURE

# SIDEROAD / STREET CLOSURE

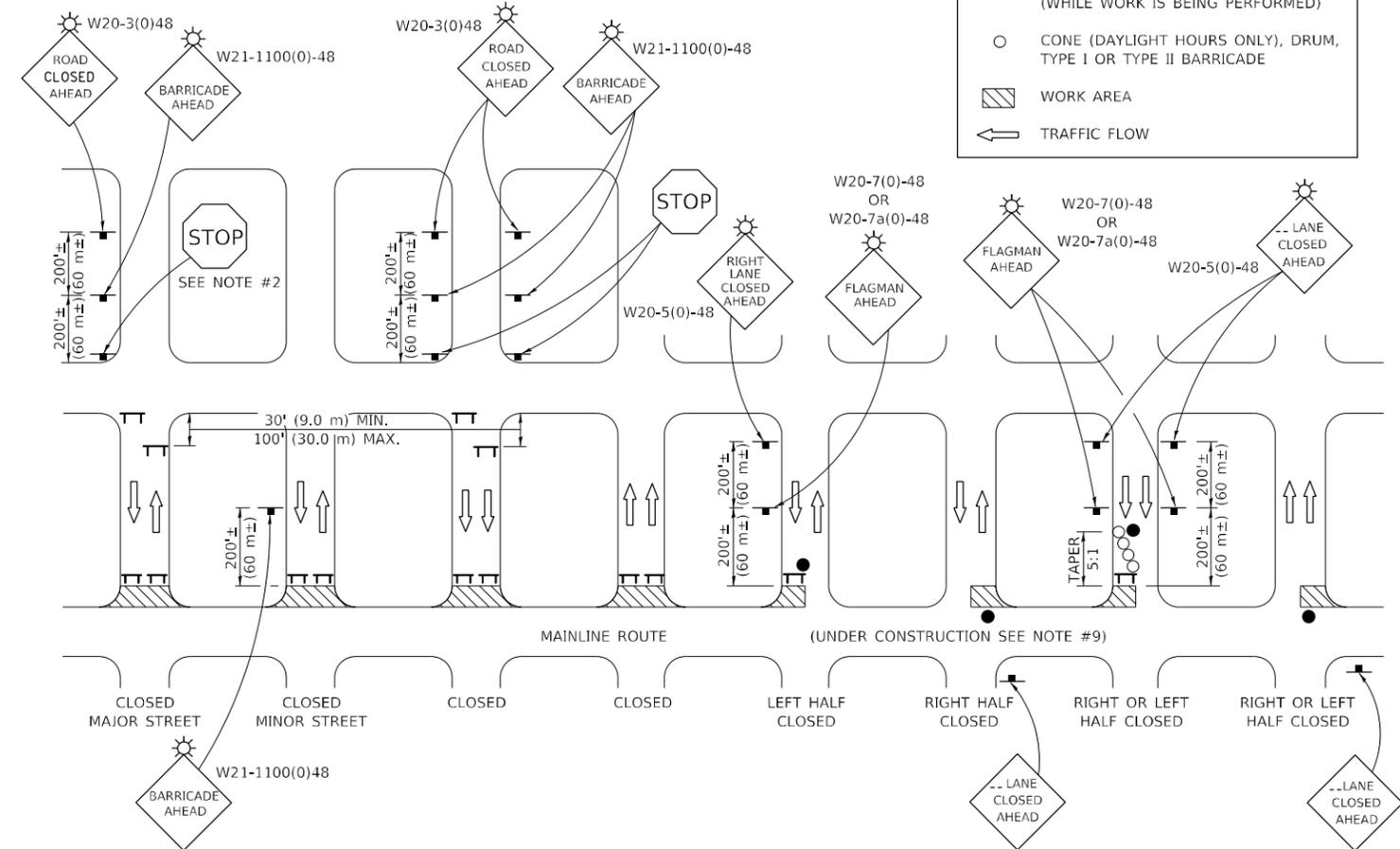
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



## GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SYMBOLS	
	TYPE III BARRICADE (SEE NOTE)
	FLASHING LIGHT
	FLAGGER WITH TRAFFIC CONTROL SIGN (WHILE WORK IS BEING PERFORMED)
	CONE (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW



## GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

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

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	DRAWN -	REVISED - 12/07
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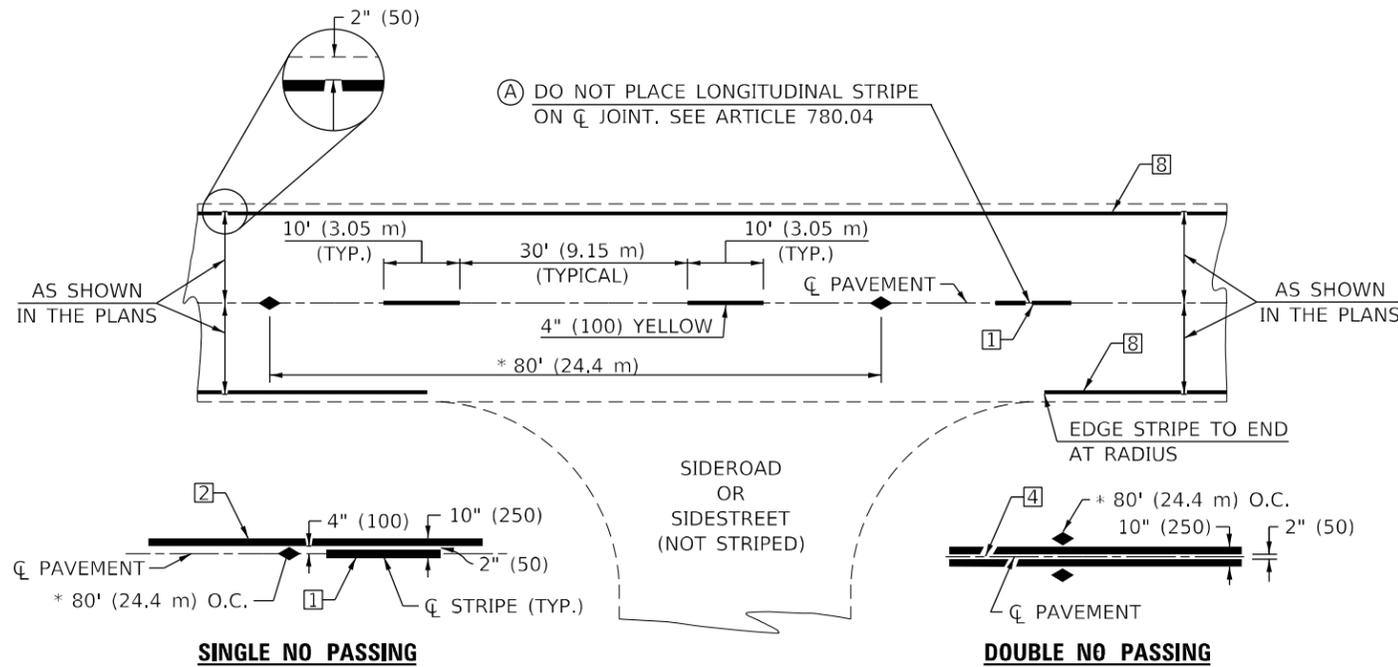
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION DEVICES  
(ROAD & SIDEROAD / STREET CLOSURES)

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

DISTRICT 5 DETAIL NO. 7020000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	39
CONTRACT NO. 70851				
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.

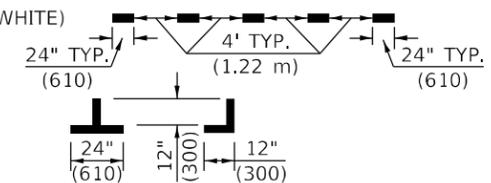
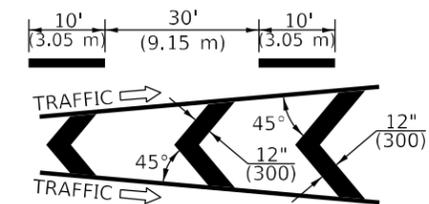
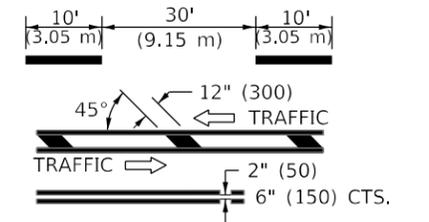
**TWO LANE/TWO WAY**

**TYPICAL PAVEMENT MARKING LEGEND**

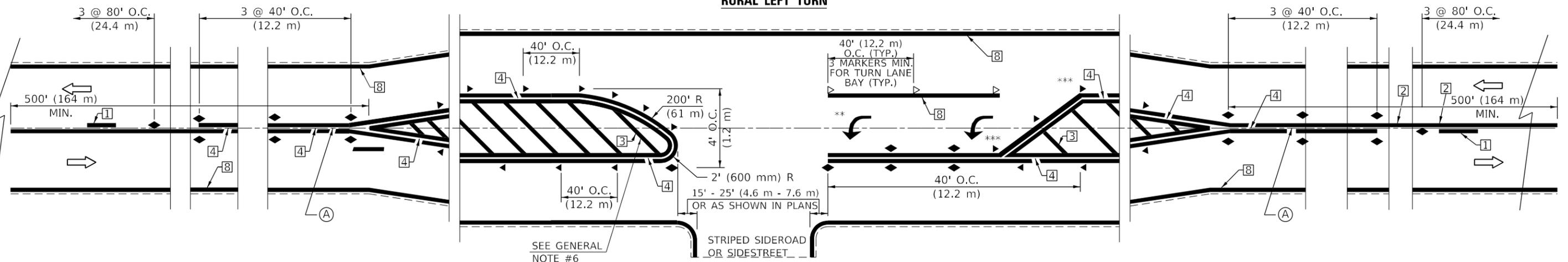
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

**TYPICAL PAVEMENT MARKERS LEGEND**

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



**RURAL LEFT TURN**



\*\*\* REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.  
 \*\* TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

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

**DISTRICT 5 DETAIL NO. 7800AAAA**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)**

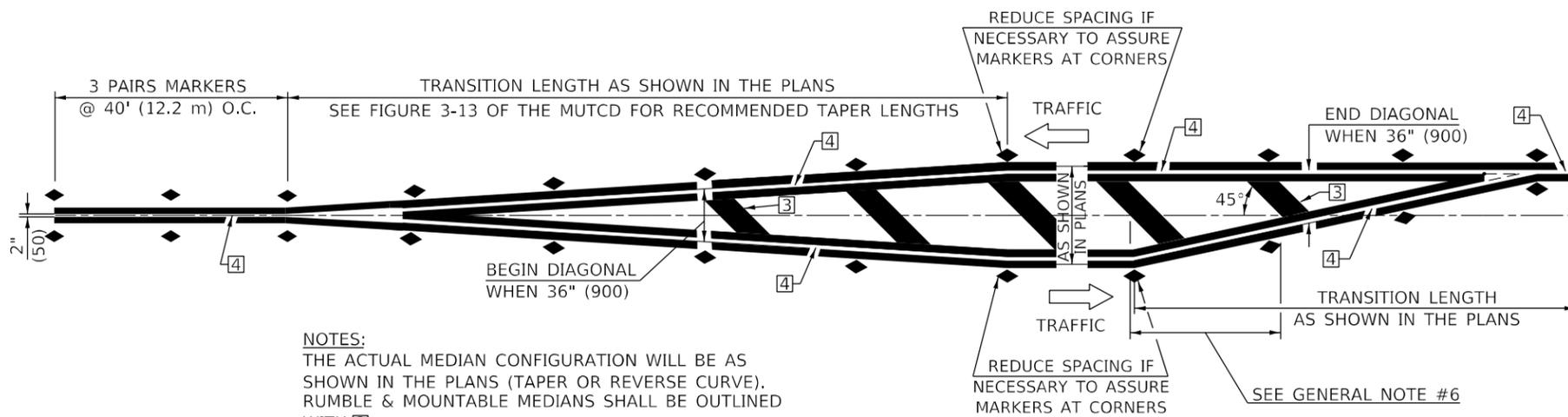
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	DRAWN -	REVISD - 4/2014 JLA
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISD - 3/2019 SWN
PLOT DATE = 3/14/2023	DATE -	REVISD - 8/2022 JLA

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	40
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

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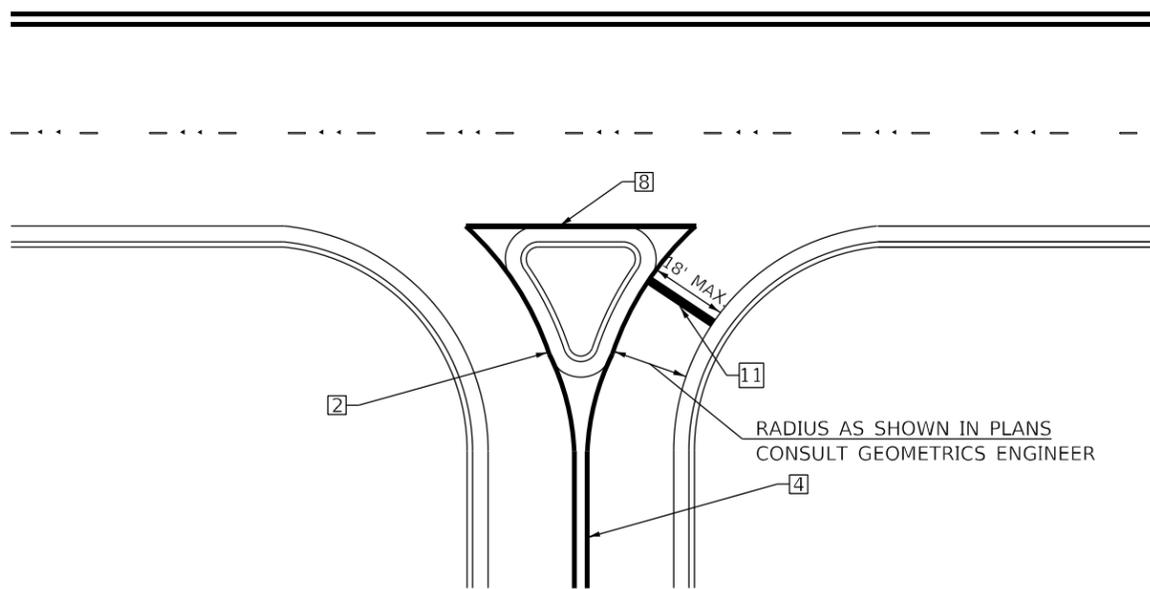


NOTES:  
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE). RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

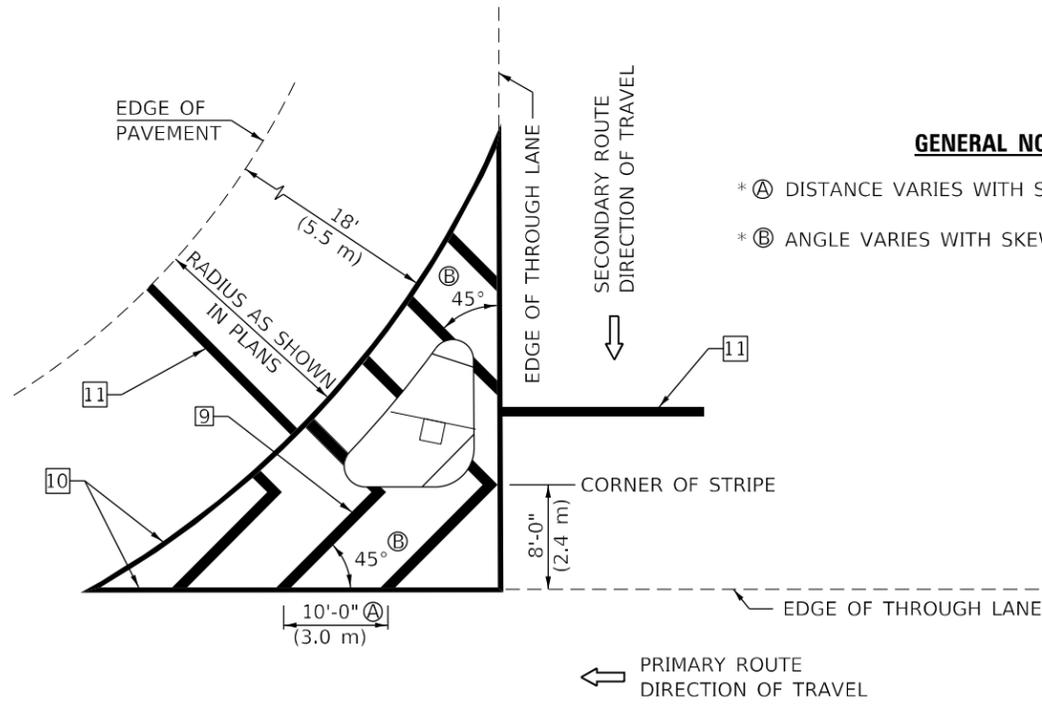
**TYPICAL MEDIAN TRANSITIONS**

**GENERAL NOTES**

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,  
<30 MPH USE 15' (<50 km/h USE 4.5 m)  
30-45 MPH USE 20' (50-75 km/h USE 6.0 m)  
>45 MPH USE 30' (>75 km/h USE 9.0 m)



**RIGHT IN - RIGHT OUT ACCESS**



**ISLAND**

\* FOR RIGHT TURN LANE AND ISLAND STRIPING CONSULT GEOMETRICS ENGINEER.

**GENERAL NOTES**

- \* A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- \* B ANGLE VARIES WITH SKEW OF INTERSECTION.

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

**DISTRICT 5 DETAIL NO. 7800AAAA**

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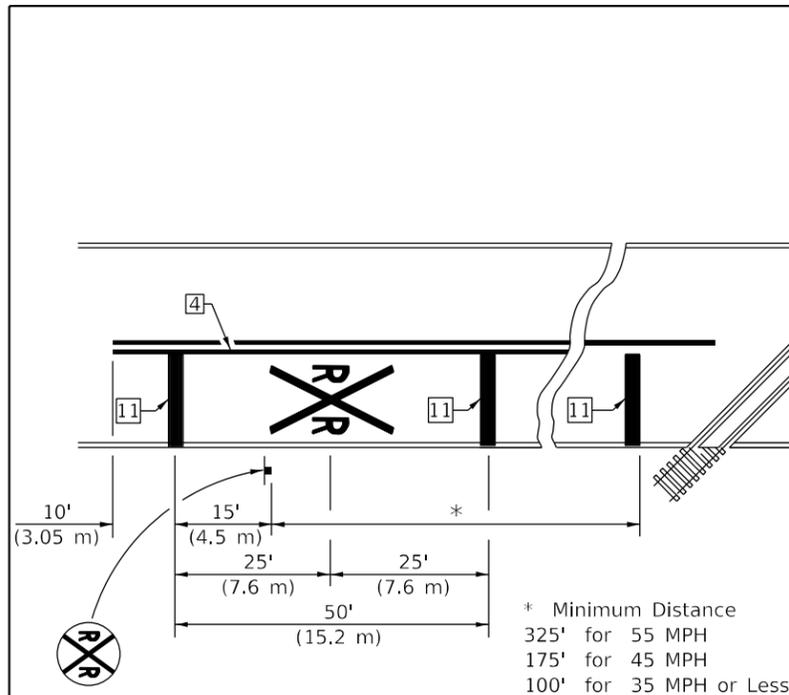
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	DRAWN -	REVISOR -	4/2014 JLA
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISOR -	3/2019 SWN
PLOT DATE = 3/14/2023	DATE -	REVISOR -	8/2022 JLA

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)**

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

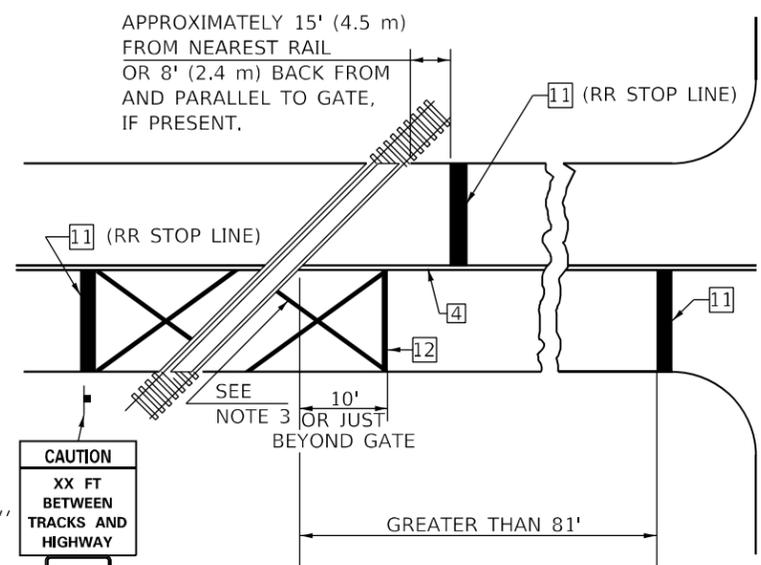
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	42
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING**

APPROXIMATELY 15' (4.5 m) FROM NEAREST RAIL OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

**RAILROAD CROSSING WITH INTERCONNECT ONLY**

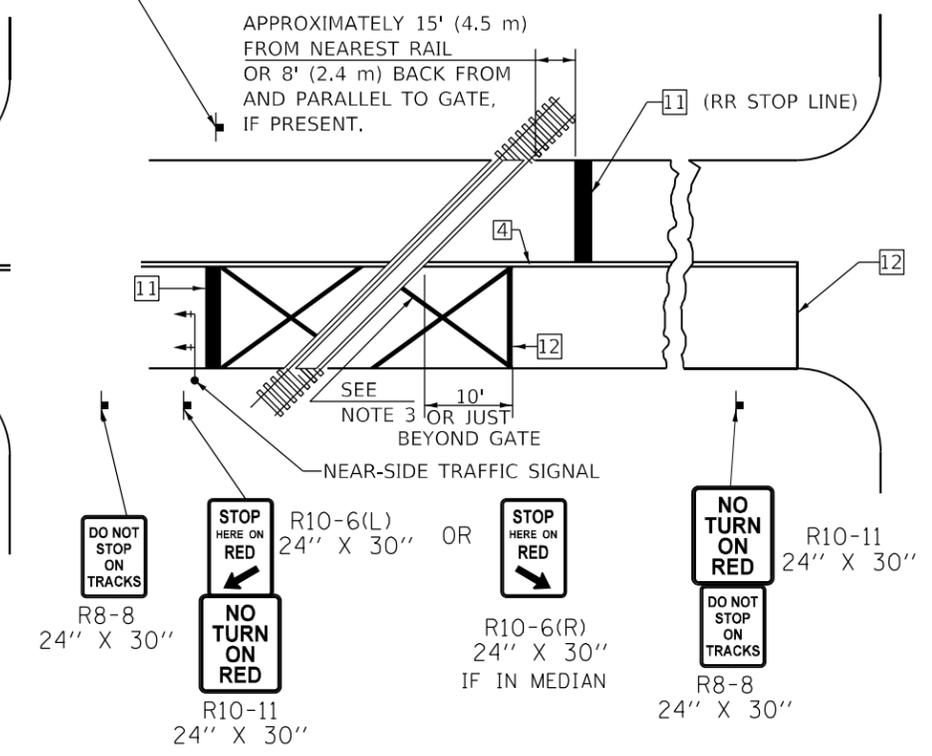


W10-I100  
30" X 36"

R8-8  
24" X 30"

ONLY IF SIGNAL HEAD CANNOT BE LOCATED IN MEDIAN

**RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS**



R8-8  
24" X 30"

R10-6(L)  
24" X 30"

R10-6(R)  
24" X 30"

R10-11  
24" X 30"

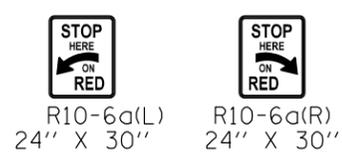
R8-8  
24" X 30"

**GENERAL NOTES**

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 NEAR-SIDE TRAFFIC SIGNALS ARE USED.
3. 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
4. XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
5. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

**SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING**

**ALTERNATE SIGNS**



**NOTES**

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

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

**DISTRICT 5 DETAIL NO. 7800AAAA**

MODEL: P:\dtd\... FILE NAME: P:\Effort\3\mm\2015 - IDOT PTB 194-40\_DS\_V4\Kuhn\_Traffic\Work Order\_10028\TransCAD\Project Drawing\7800AAAA.dgn

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	DRAWN -	REVISD - 4/2014 JLA
PLOT SCALE = 40,0000 */ in.	CHECKED -	REVISD - 3/2019 SWN
PLOT DATE = 3/14/2023	DATE -	REVISD - 8/2022 JLA

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)**

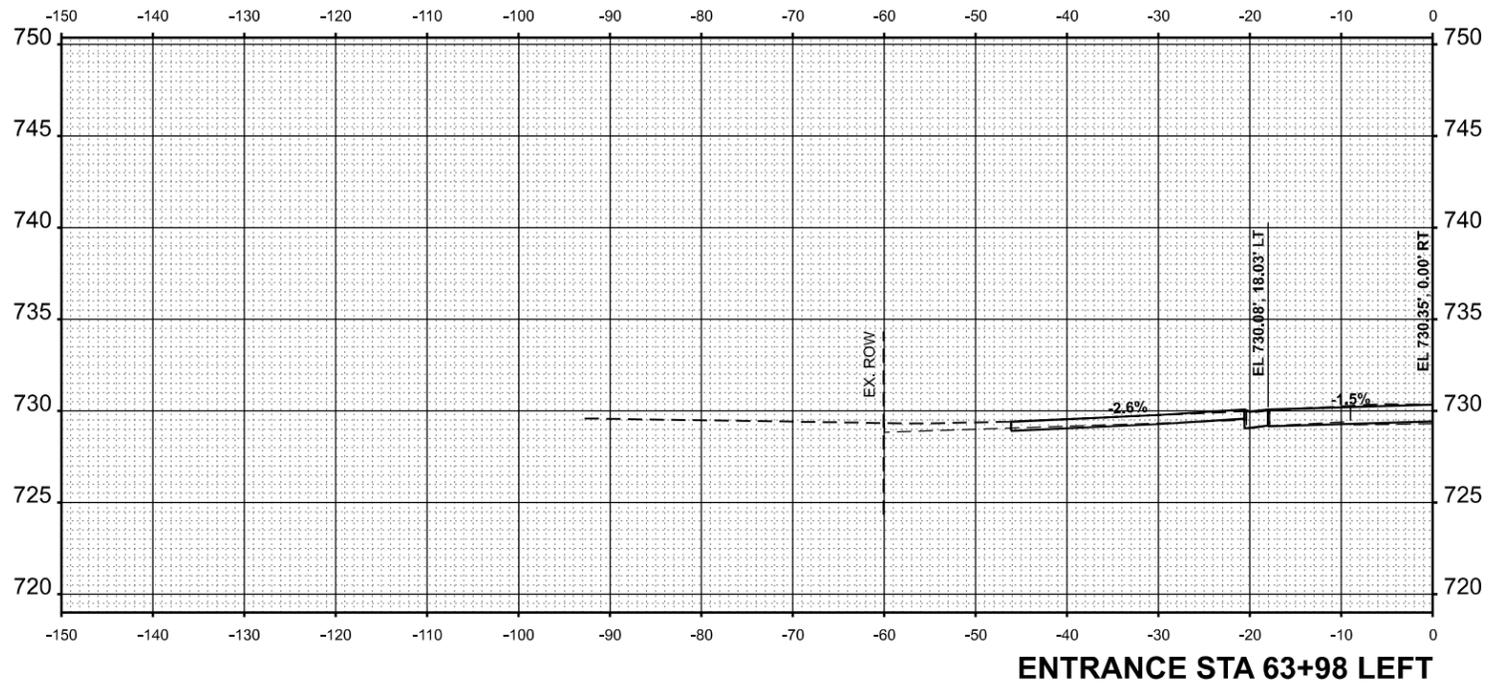
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	43
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

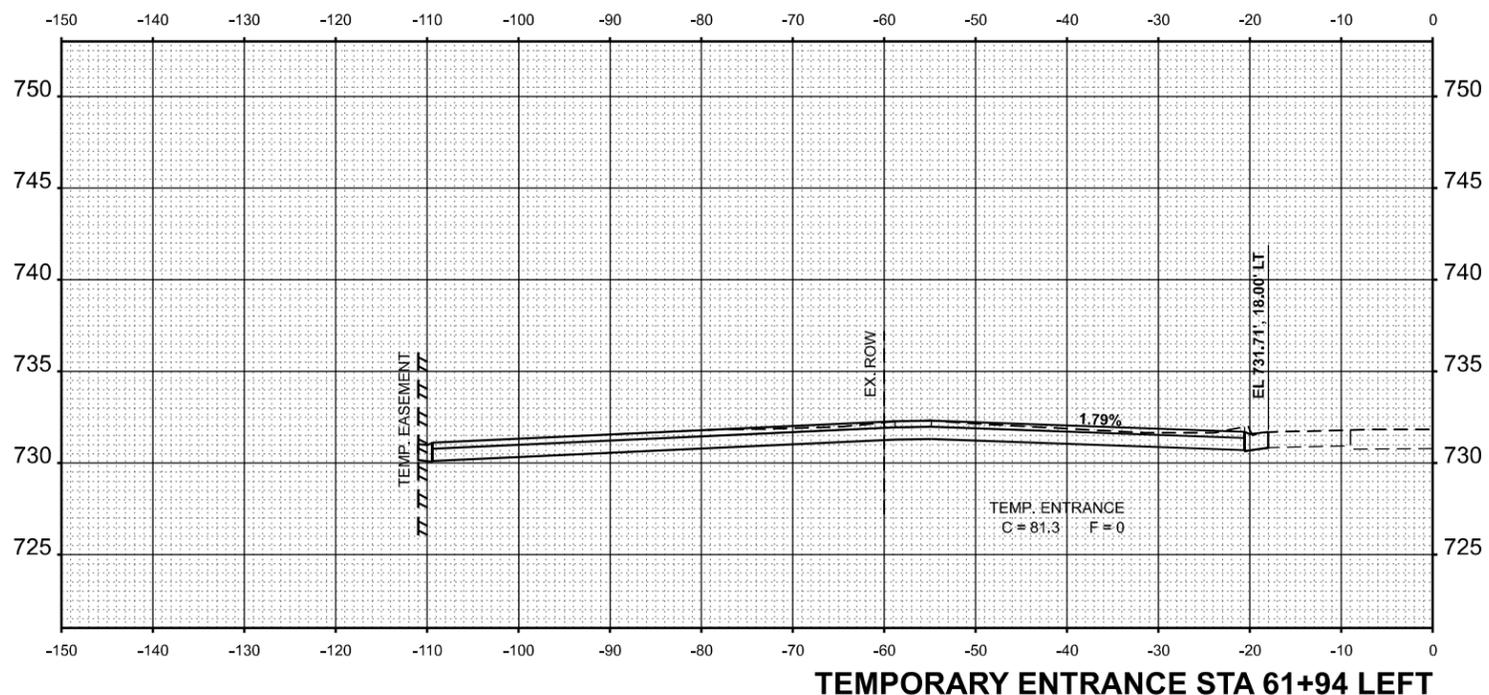
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ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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**ENTRANCE STA 63+98 LEFT**



**TEMPORARY ENTRANCE STA 61+94 LEFT**



USER NAME = rhamfland	DESIGNED - AGF	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN - AGF	REVISED -
PLOT DATE = 3/14/2023	CHECKED - RLH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

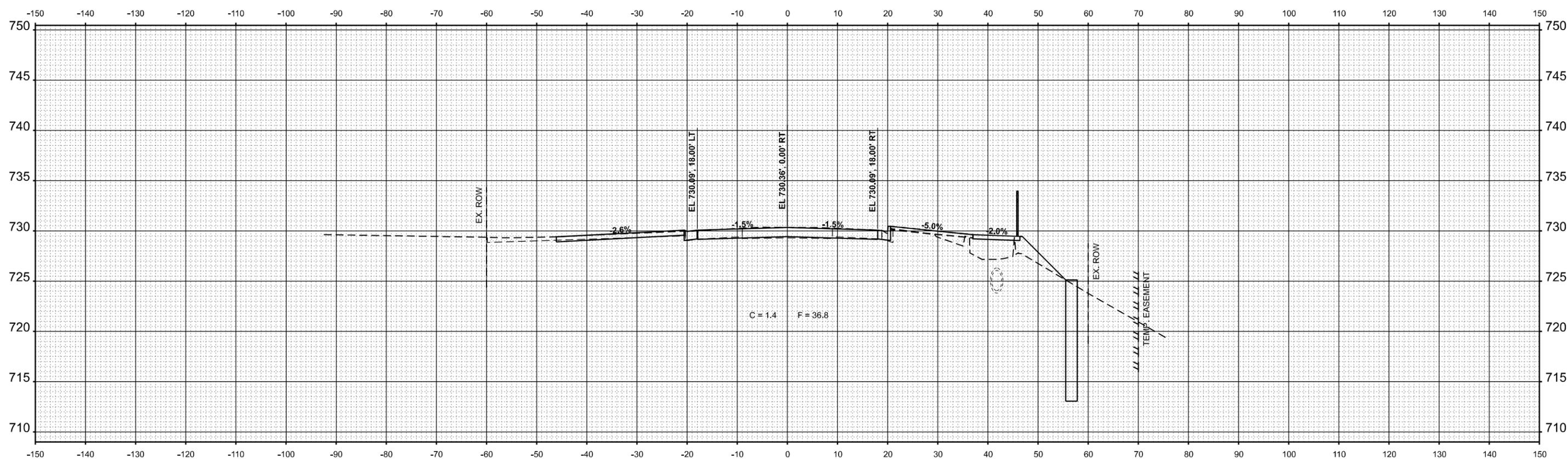
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	44
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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STA 64+00.00



USER NAME = rhanfland	DESIGNED - AGF	REVISED -
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

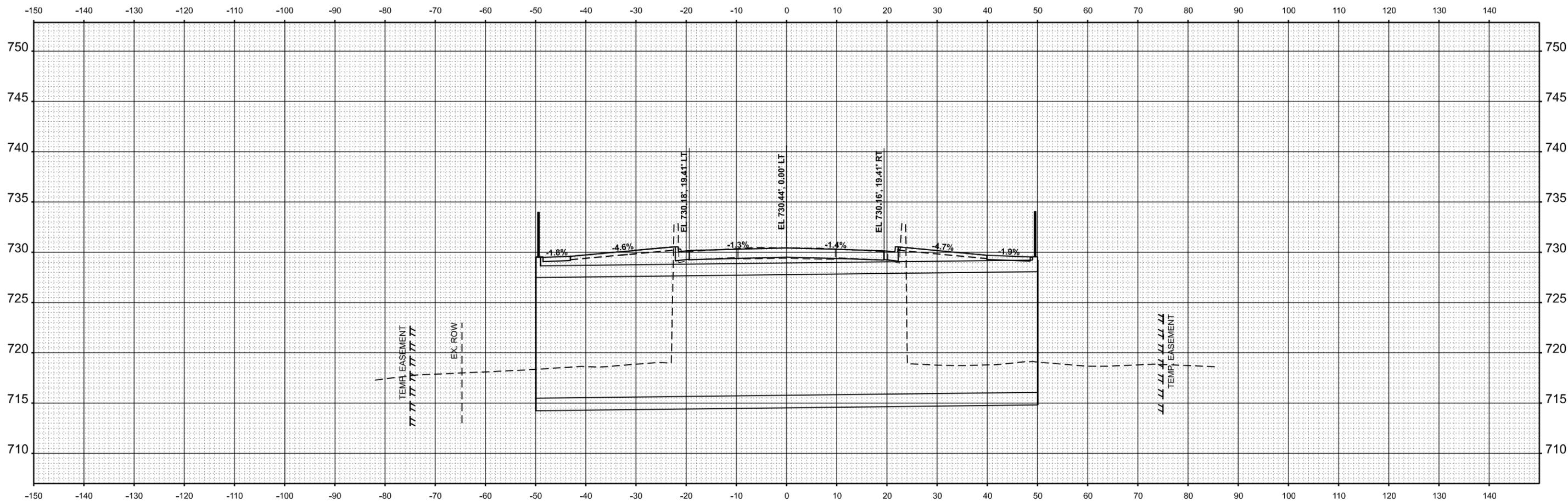
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	45
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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**STA 64+47.00**  
**CENTERLINE PR S.N. 010-2038**  
**LEFT FORWARD SKEW 22°00'00"**



USER NAME = rhanfland	DESIGNED - AGF	REVISED -
	DRAWN - AGF	REVISED -
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PLOT DATE = 3/14/2023	DATE -	REVISED -

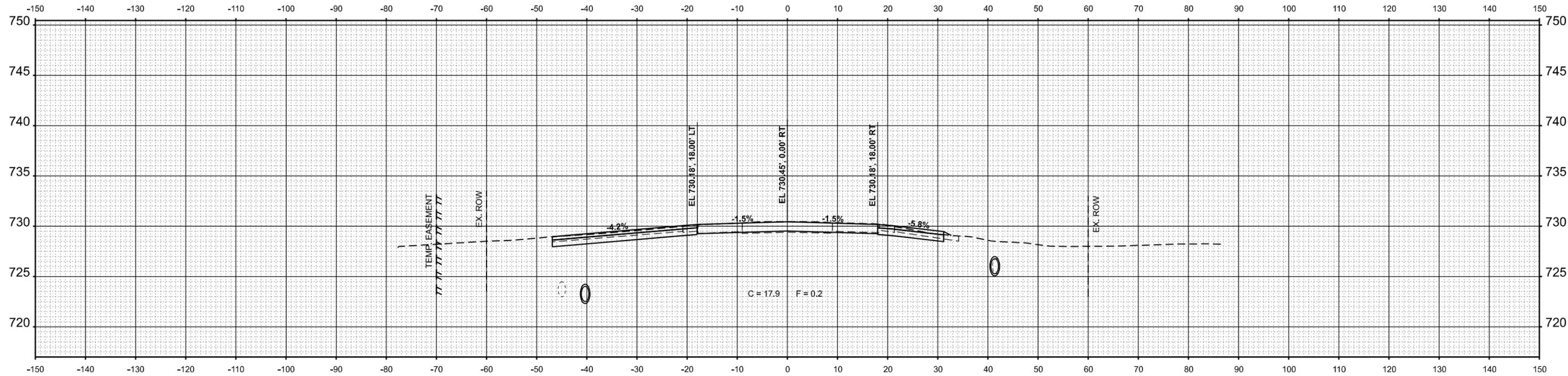
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

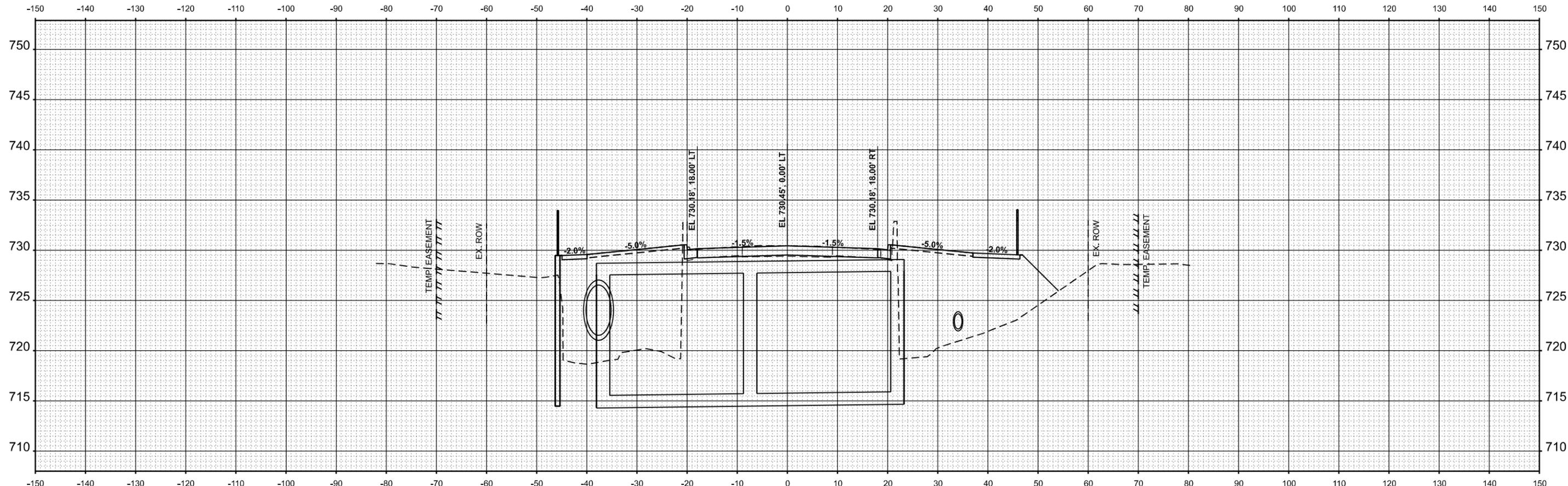
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801	4BR	CHAMPAIGN	50	46
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

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



STA 65+00.00

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



STA 64+50.00

MODEL: DOTCLL\_2 - 64+50.00 (Sheet 3)  
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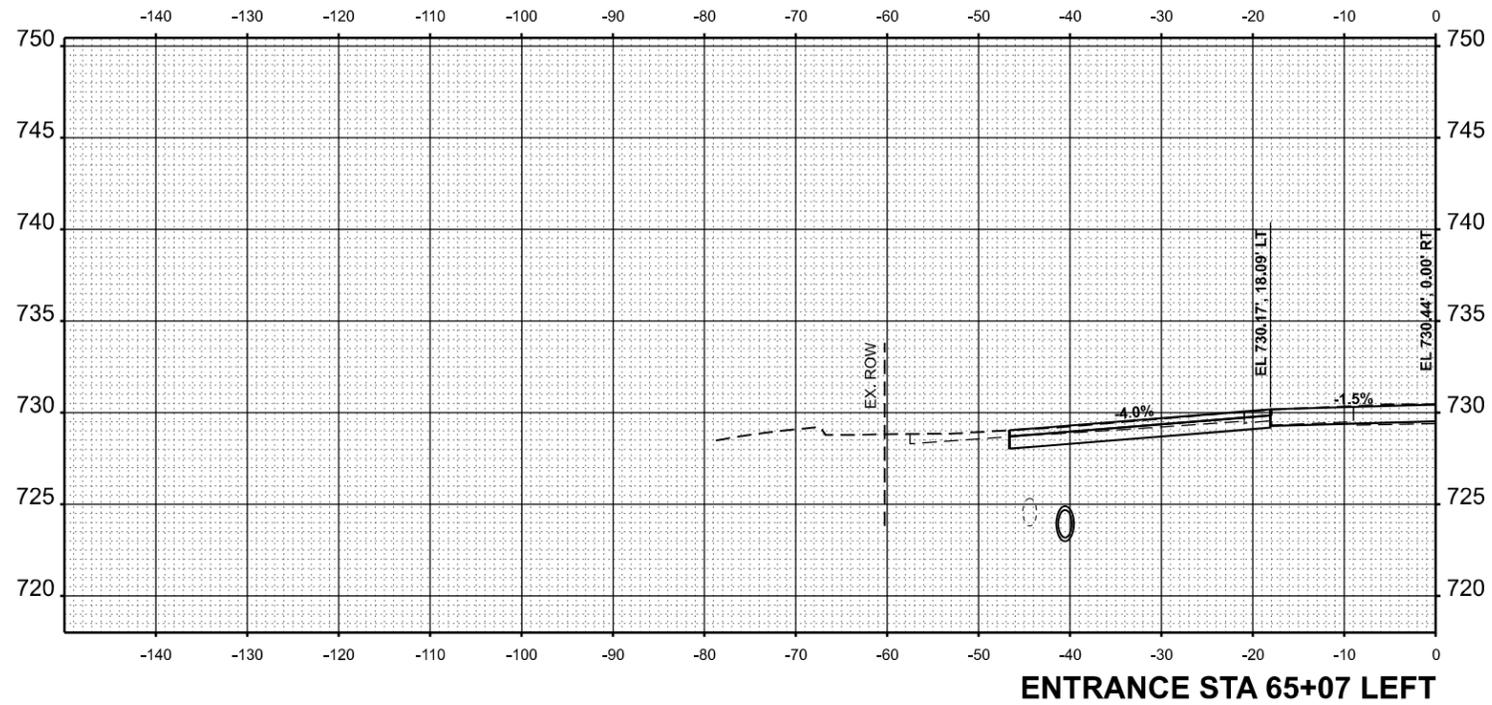
USER NAME = rhanland	DESIGNED - AGF	REVISED -
	DRAWN - AGF	REVISED -
PLOT SCALE = 0.16666633 1/16 in.	CHECKED - RLH	REVISED -
PLOT DATE = 3/14/2023	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
SCALE:	SHEET 4	OF 6 SHEETS	STA. TO STA.

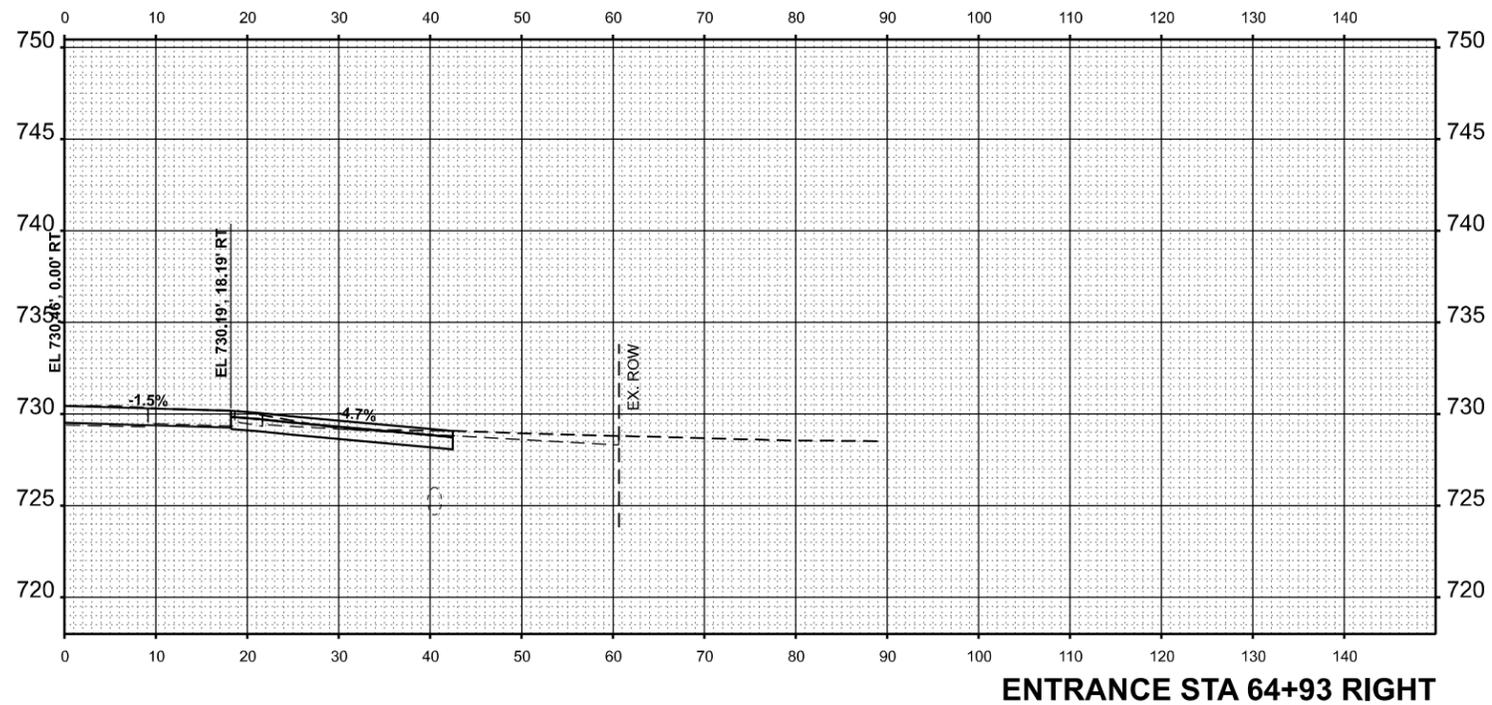
F.A.P. RTE. 801	SECTION 4BR	COUNTY CHAMPAIGN	TOTAL SHEETS 50	SHEET NO. 47
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

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



ENTRANCE STA 65+07 LEFT

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



ENTRANCE STA 64+93 RIGHT

MODEL: DOT\CLL\_Entrance1 - 64-93.95 (Sheet4)  
 FILE NAME: P:\effingham\203 - IDOT P18 194-40 US V4 Kurm TelleWork Order 1028-TransCAD\Project Drawings\0270381-CP-03h\_x.sdfm



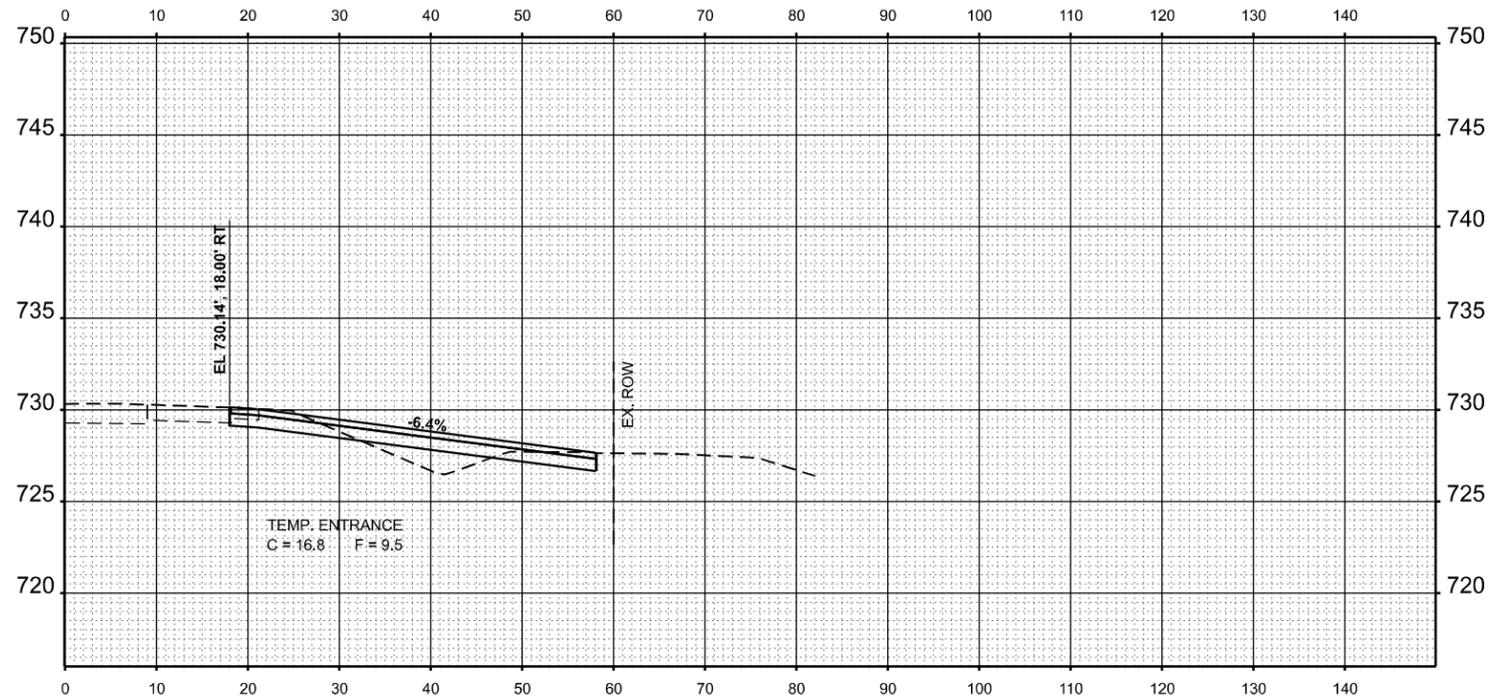
USER NAME = rhanfland	DESIGNED - AGF	REVISED -
	DRAWN - AGF	REVISED -
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PLOT DATE = 3/14/2023	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
SCALE:	SHEET 5	OF 6 SHEETS	STA. TO STA.

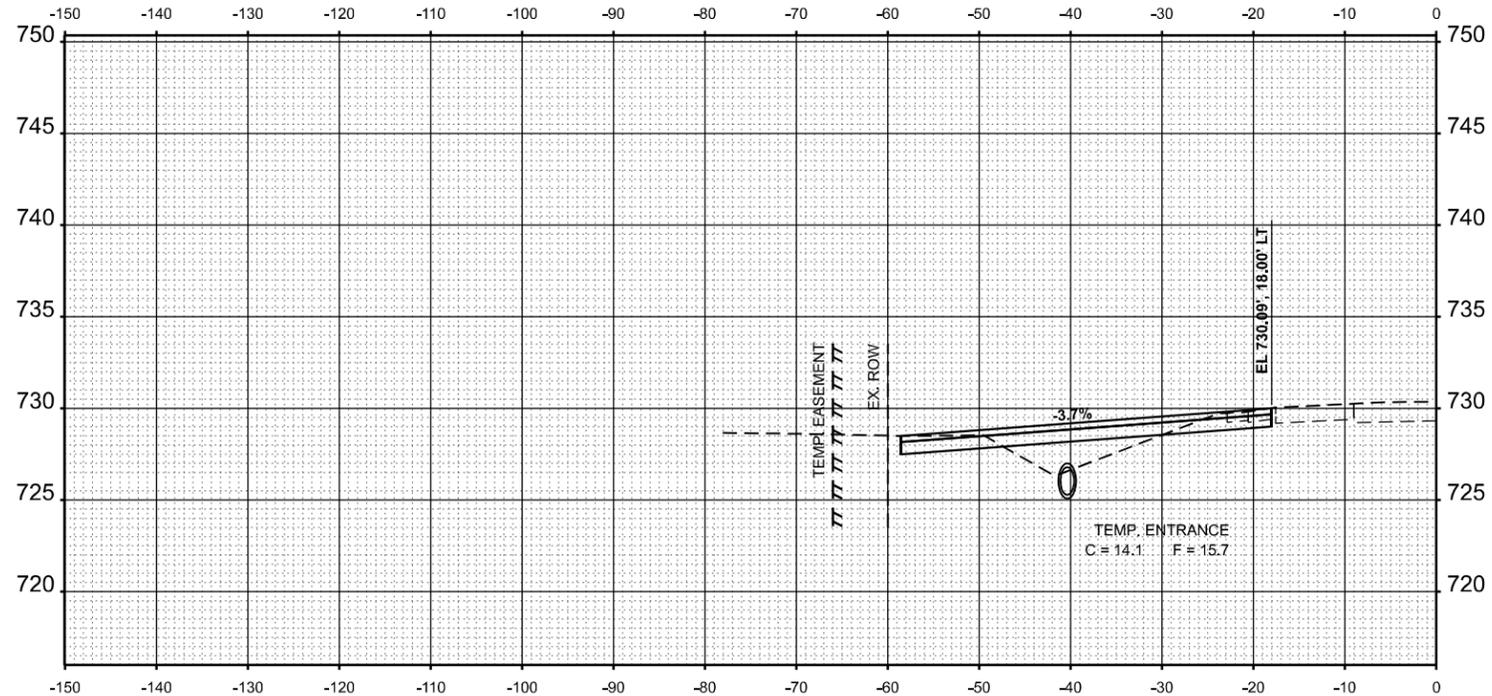
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	48
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



**TEMPORARY ENTRANCE STA 65+68 RIGHT**

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



**TEMPORARY ENTRANCE STA 65+46 LEFT**

MODEL: DOT\CLL\_Entrance\1 - 65+45.74 (Sheet5)  
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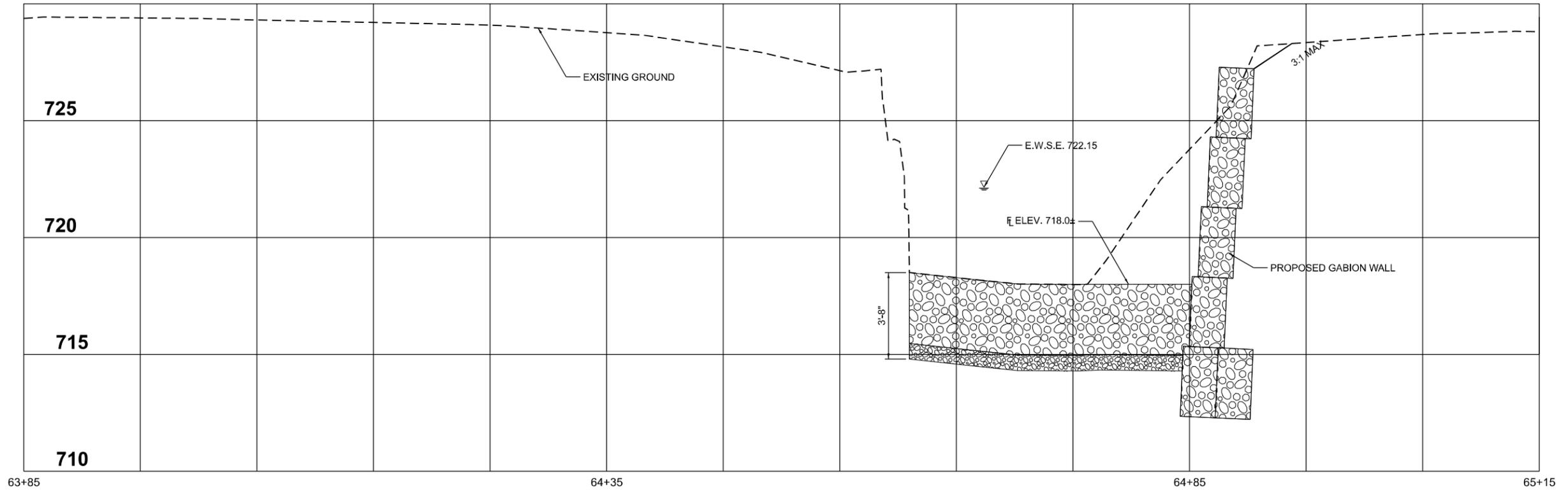
USER NAME = rhanfland	DESIGNED - AGF	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN - AGF	REVISED -
PLOT DATE = 3/14/2023	CHECKED - RLH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

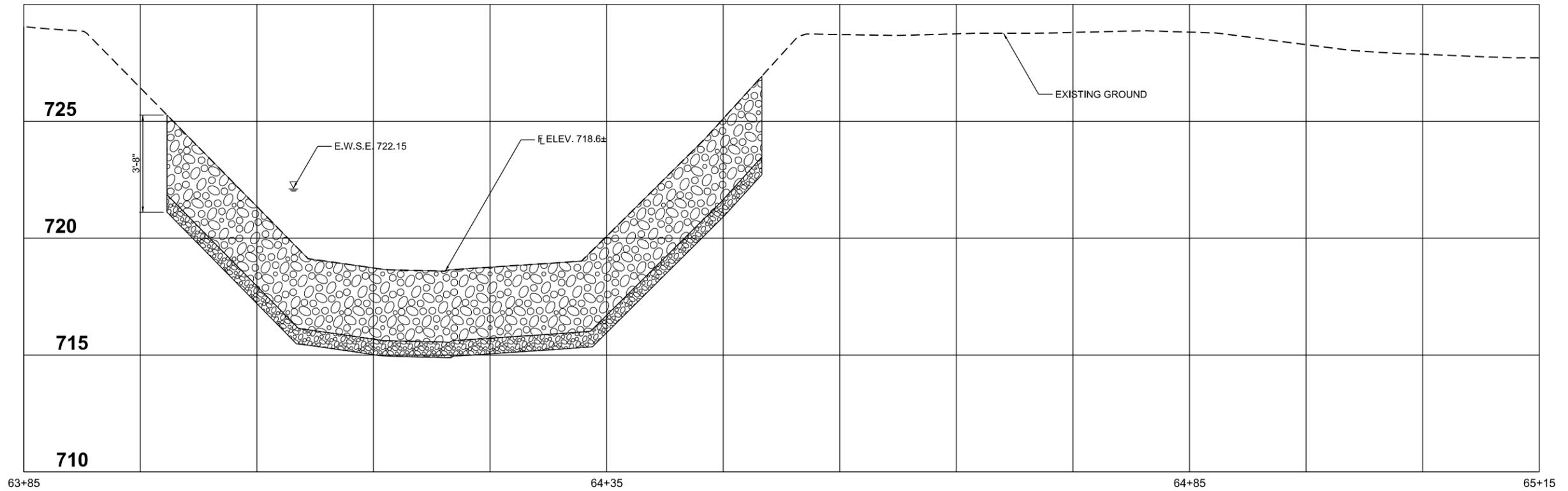
<b>CROSS SECTIONS</b>			
SCALE:	SHEET 6	OF 6 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	49
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				

60' LEFT



60' RIGHT



MODEL: Channel11.Xrac (Sheet)  
 FILE NAME: P:\Effingham\205 - IDOT FTB 194-40 DS VAY Kuhn Trello\Work Order 1028-TransCAD\Project Drawings\0270581\_ord10\_ch1\_Channel\_cross.dgn



USER NAME = rhanfland	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	CHECKED -	REVISED -
PLOT DATE = 3/14/2023	DATE -	REVISED -

STATE OF ILLINOIS  
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CHANNEL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
801	4BR	CHAMPAIGN	50	50
CONTRACT NO. 70581				
ILLINOIS FED. AID PROJECT				