09-18-2026 LETTING ITEM 043

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	1
	ILLINOIS	CONTRACT NO. 66B81		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAP ROUTE 332 (IL 1)
SECTION (3)CR-2517
PROJECT NHPP-LTN8(884)
CULVERT REPLACEMENT
IROQUOIS COUNTY

C-93-133-25

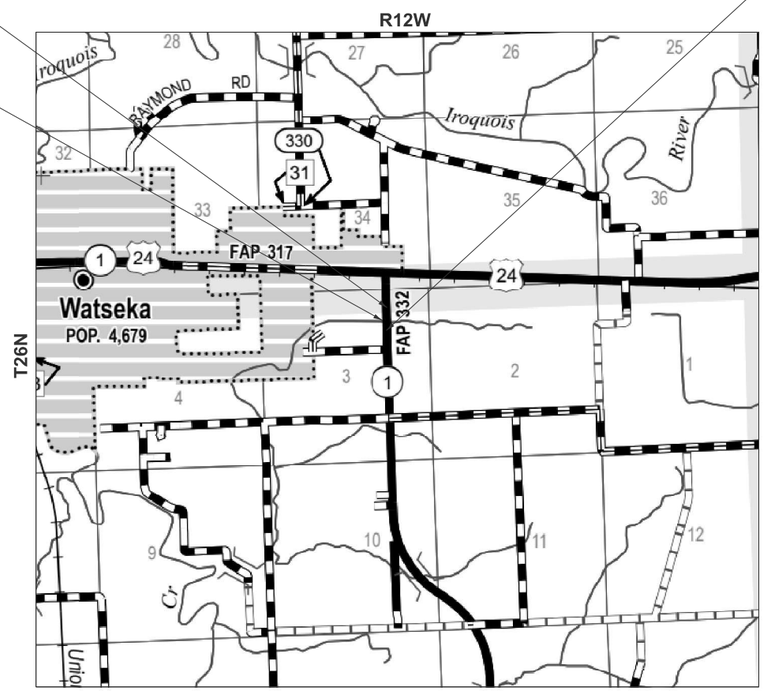
FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA - IL 1
PRINCIPAL ARTERIAL (CLASS II TRUCK ROUTE) ; 2023 ADT = 2300
P.V. = 89.13% S.U. = 3.91% M.U. = 6.96%

BEGIN PROJECT
STA 880+00.00

CULVERT REPLACEMENT
(OVER SUGAR CREEK TRIBUTARY)
EX SN 038-2517
STA 883+68.00

END PROJECT
STA 886+50.00



GROSS LENGTH = 650.00 FT. = 0.123 MILE
NET LENGTH = 650.00 FT. = 0.123 MILE

N

LOCATION MAP
NOT TO SCALE

100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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

DISTRICT 3 NO. 815-434-6131
PROJECT ENGINEER: DAVID ALEXANDER, P.E.
SQUAD LEADER: STEPHENIE CARMIN
TOWNSHIP(S): BELMONT TOWNSHIP
CONTRACT NO. 66B81

D-93-096-25

LOCATION OF SECTION INDICATED THUS: -

LICENSED PROFESSIONAL ENGINEER
ROBERT BRZEZON
062.066618
STATE OF ILLINOIS

Signed: Robert Brzezon
Date: 6/12/2026
License Expires: 11/30/2027
The seal shown above is valid for Sheets 1-25, 27-28, and 41-48.

LICENSED STRUCTURAL ENGINEER
ALEX C BENZ
081-007814
STATE OF ILLINOIS

Signed: Alex C. Benz
Date: 6/12/2026
License Expires: 11/30/2026
The seal shown above is valid for Sheets 29-35.

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Civil Engineering Design

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 26, 20 26
Trisha Thompson
REGIONAL ENGINEER

August 14, 20 26
ENGINEER OF DESIGN AND ENVIRONMENT

August 14, 20 26
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
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482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542411	SLOPED METAL END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 60" (1500 MM) DIAMETER
602401-07	PRECAST MANHOLE, TYPE A, 4' (1.22 M) DIAMETER
635001-02	DELINEATORS
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701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600mm) FROM PAVEMENT EDGE
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701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
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701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

1. THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

2. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

3. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

4. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

5. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MILLIMETERS) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

6. ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

7. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION

8. THE CONTRACTOR SHALL CONTACT THE CITY OF WATESEKA FOR ELECTRICAL LOCATES FOR THE TRAFFIC SIGNALS AT US 24 AND IL 1. THE CITY OF WATESEKA IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

9. ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT NO EXPENSE TO THE DEPARTMENT. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

10. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
    AMEREN
    AT&T
    EASTERN ILLINI ELECTRIC COOP
    NICOR

11. THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO CONFIRM WHICH UTILITIES ARE IN THE AREA.

COMMITMENT

1. FOR RIPRAP STABILITY, THE NORTH DITCH SLOPE SHALL NOT EXCEED 15% AND THE SOUTH DITCH SLOPE SHALL NOT EXCEED 12%. A DITCH BOTTOM OF 4 FEET SHALL BE PROVIDED WHERE RIPRAP IS UTILIZED TO INCREASE STABILITY BEYOND THE DESIGNATED HYDRAULIC EVENT.

HMA MIXTURE REQUIREMENT TABLE

LOCATIONS:	IL 1 HMA RESURFACNG		IL 1 HMA FULL-DEPTH PAVEMENT AT CULVERT REPLACEMENT			IL 1 HMA SHOULDERS		IL 1 TEMPORARY PAVEMENT	
MIXTURE USE(S):	HMA SURFACE COURSE	HMA BINDER LIFT(S)	HMA SURFACE COURSE	HMA BINDER LIFT(S)	HMA BASE COURSE	HMA SURFACE COURSE	HMA BINDER LIFT(S)	HMA SURFACE COURSE	HMA BINDER LIFT(S)
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-9.5	IL-9.5FG	IL-9.5	IL-9.5FG	IL-19.0	IL-9.5	IL-19.0	IL-9.5	IL-19.0
FRICTION AGGREGATE:	MIXTURE C	N/A	MIXTURE C	N/A	N/A	MIXTURE C	N/A	MIXTURE C	N/A
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
DENSITY TEST METHOD:	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	SATISFACTION OF ENGINEER	SATISFACTION OF ENGINEER
MATERIAL TRANSFER DEVICE (REQUIRED):	NO	NO	NO	NO	NO	NO	NO	NO	NO

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES OF CONSTRUCTION:

INSPECTORS:

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USER NAME = jkratz	DESIGNED - AEH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX, STANDARDS, GENERAL NOTES, COMMITMENTS, & HMA TABLE FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)
	DRAWN - ZJW	REVISED -		
	CHECKED - RBB	REVISED -		
PLOT DATE = 5/26/2026	DATE - 10/31/2025	REVISED -		SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	2
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE ROADWAY 0004 RURAL
20200100	EARTH EXCAVATION	CU YD	475	475
20400800	FURNISHED EXCAVATION	CU YD	300	300
20700220	POROUS GRANULAR EMBANKMENT	CU YD	372	372
20800150	TRENCH BACKFILL	CU YD	33	33
25000210	SEEDING, CLASS 2A	ACRE	1	1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90	90
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90	90
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90	90
25100630	EROSION CONTROL BLANKET	SQ YD	3876	3876
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	241	241
28000305	TEMPORARY DITCH CHECKS	FOOT	136	136
28000500	INLET AND PIPE PROTECTION	EACH	2	2
28100107	STONE RIPRAP, CLASS A4	SQ YD	103	103
28200200	FILTER FABRIC	SQ YD	103	103

* DENOTES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE ROADWAY 0004 RURAL
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	110	110
31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	1	1
35501310	HOT-MIX ASPHALT BASE COURSE, 6 1/2"	SQ YD	100	100
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	108	108
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1454	1454
40600370	LONGITUDINAL JOINT SEALANT	FOOT	1950	1950
40600990	TEMPORARY RAMP	SQ YD	45	45
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	114	114
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	135	135
44000100	PAVEMENT REMOVAL	SQ YD	98	98
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	1492	1492
44004250	PAVED SHOULDER REMOVAL	SQ YD	436	436
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	407	407
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	573	573

* DENOTES SPECIALTY ITEM

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USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 5/26/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: N/A | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	4
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE ROADWAY 0004 RURAL
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50105220	PIPE CULVERT REMOVAL	FOOT	72	72
50200100	STRUCTURE EXCAVATION	CU YD	18	18
50300225	CONCRETE STRUCTURES	CU YD	3.2	3.2
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	7270	7270
50800515	BAR SPLICERS	EACH	32	32
52200010	TEMPORARY SHEET PILING	SQ FT	853	853
54003000	CONCRETE BOX CULVERTS	CU YD	48.8	48.8
54260524	SLOPED METAL END SECTION, STANDARD 542411, 24", 1:6	EACH	4	4
542D1057	PIPE CULVERTS, CLASS D, TYPE 2 12"	FOOT	4	4
542D1069	PIPE CULVERTS, CLASS D, TYPE 2 24"	FOOT	82	82
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
63500105	DELINEATORS	EACH	2	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6

* DENOTES SPECIALTY ITEM

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USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 5/26/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: N/A | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	5
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE ROADWAY 0004 RURAL
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	50	50
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	12	12
70300100	SHORT TERM PAVEMENT MARKING	FOOT	76	76
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	26	26
70400100	TEMPORARY CONCRETE BARRIER	FOOT	400	400
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	30	30
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	300	300
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2

* DENOTES SPECIALTY ITEM

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USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 5/26/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: N/A | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	6
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE ROADWAY 0004 RURAL
	70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE,NARROW), TEST LEVEL 3	EACH	2	2
*	72000100	SIGN PANEL - TYPE 1	SQ FT	17	17
*	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	17	17
	73000100	WOOD SIGN SUPPORT	FOOT	45	45
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2600	2600
*	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	380	380
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	9	9
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	9	9
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	248	248
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
*	Z0038700	PERMANENT BENCH MARKS	EACH	2	2
	Z0062456	TEMPORARY PAVEMENT	SQ YD	496	496
	X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	80	80
	X5427602	REMOVE EXISTING FLARED END SECTION	EACH	4	4

* DENOTES SPECIALTY ITEM

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USER NAME = ZWaters	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 5/21/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

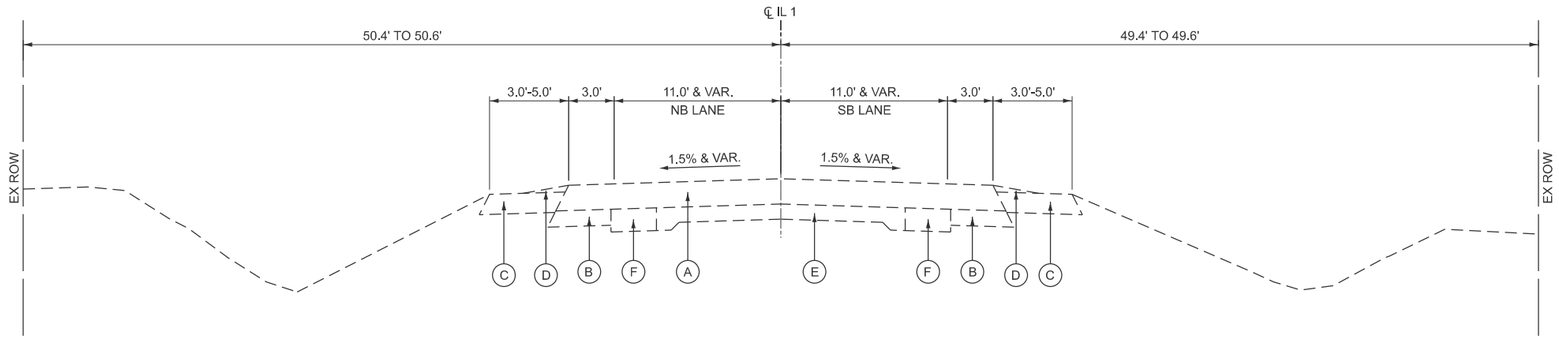
SCALE: N/A | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	7
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			

REV. 7/27/26

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE ROADWAY 0004 RURAL
X6350120	DELINEATOR REMOVAL	EACH	2	2
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	42	42
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	2	2
X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	2	2

* DENOTES SPECIALTY ITEM



EXISTING ROADWAY TYPICAL SECTION

STA. 880+00.00 TO STA. 886+50.00
(LOOKING SOUTH)

EXISTING

- (A) HOT-MIX ASPHALT RESURFACING, 10"
- (B) HOT-MIX ASPHALT SHOULDER
- (C) AGGREGATE SHOULDER
- (D) AGGREGATE WEDGE SHOULDER
- (E) 9-6-9 PCC PAVEMENT
- (F) PCC PAVEMENT, 9"

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Civil Engineering Design

USER NAME = ZWaters	DESIGNED - AEH	REVISED -	
	DRAWN - PG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 5/21/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	9
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			

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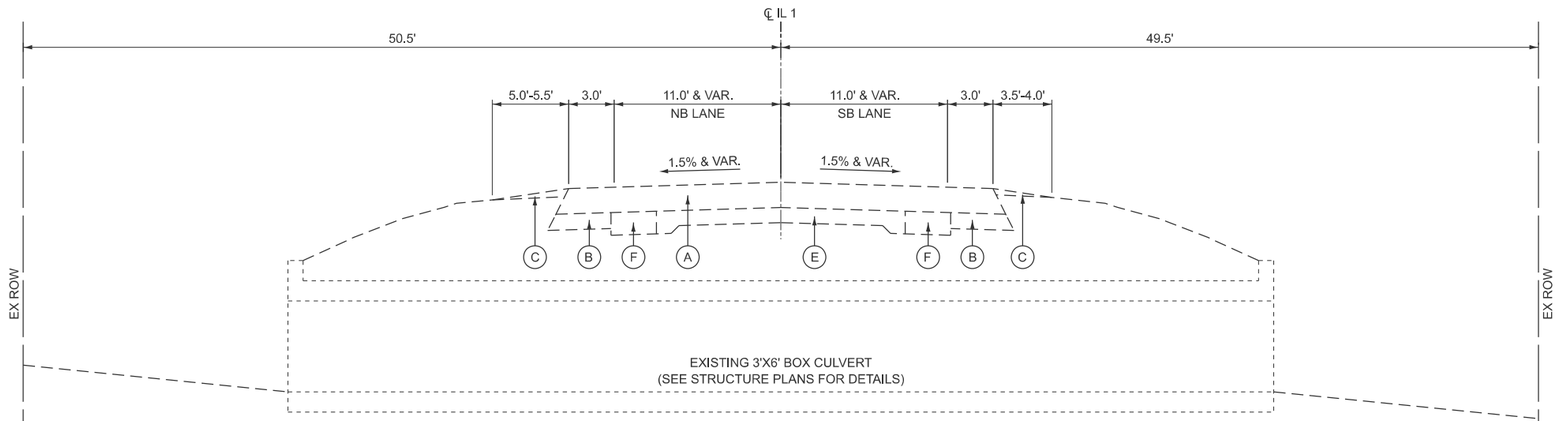

EXISTING IL 1 SN 038-2517 TYPICAL SECTION

STA. 883+68.00
(LOOKING SOUTH)

EXISTING

- (A) HOT-MIX ASPHALT RESURFACING, 10"
- (B) HOT-MIX ASPHALT SHOULDER
- (C) AGGREGATE SHOULDER
- (D) AGGREGATE WEDGE SHOULDER
- (E) 9-6-9 PCC PAVEMENT
- (F) PCC PAVEMENT, 9"

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Civil Engineering Design

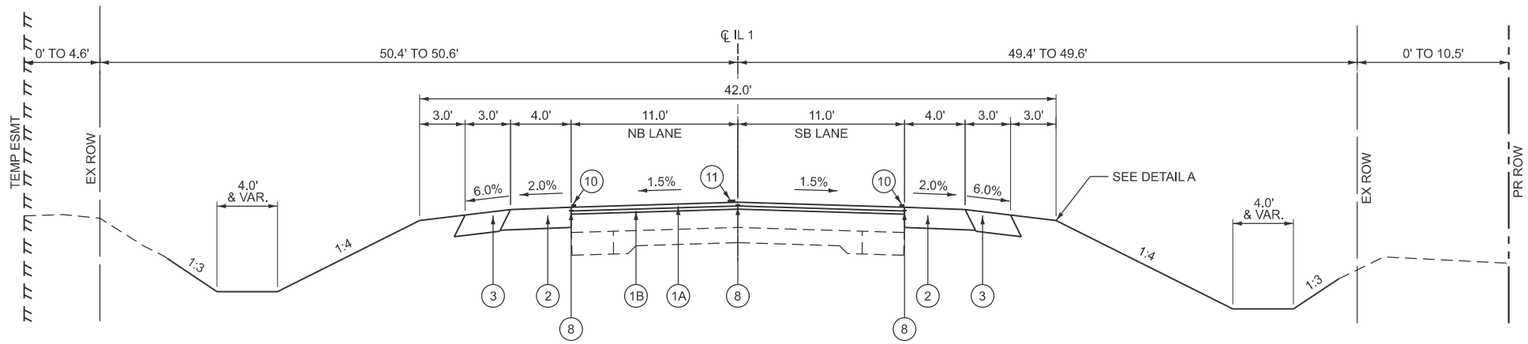
USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - PG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 5/26/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

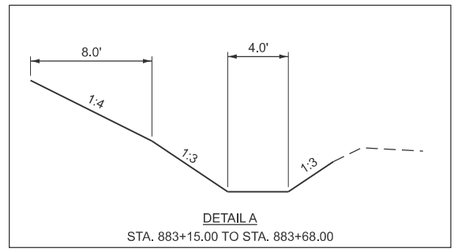
SCALE: NONE | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	10
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			

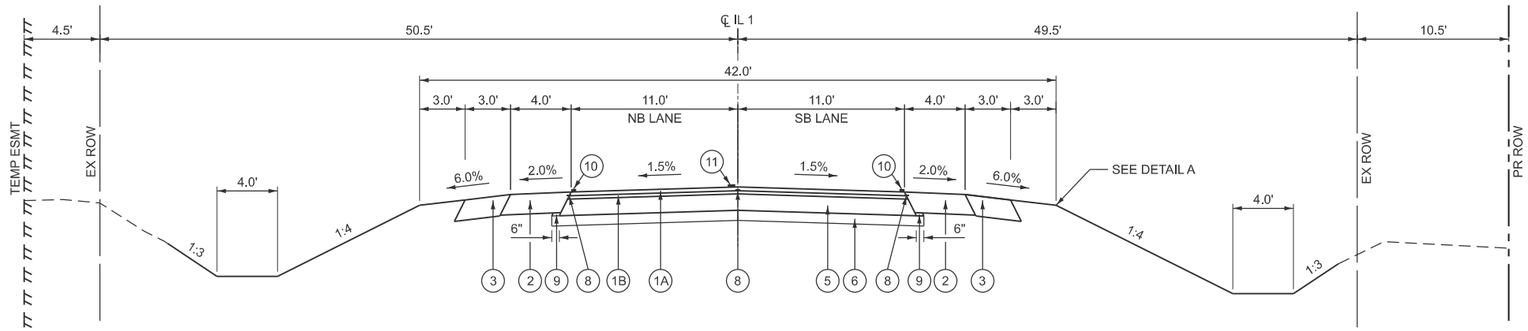


PROPOSED ROADWAY TYPICAL SECTION

STA. 880+00.00 TO STA. 883+48.00
STA. 883+88.00 TO STA. 886+50.00
(LOOKING SOUTH)



DETAIL A
STA. 883+15.00 TO STA. 883+68.00



PROPOSED ROADWAY TYPICAL SECTION

STA. 883+48.00 TO STA. 883+88.00
(LOOKING SOUTH)

PROPOSED

1A HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1 1/2")
1B HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50 (1 1/4")
2 HOT-MIX ASPHALT SHOULDERS, 8"
3 AGGREGATE SHOULDERS, TYPE B 8"
4 NOT USED
5 HOT-MIX ASPHALT BASE COURSE, 6 1/2"
6 SUBBASE GRANULAR MATERIAL, TYPE A 4"
7 POROUS GRANULAR EMBANKMENT
8 LONGITUDINAL JOINT SEALANT (SEE NOTE 1)
9 SUBBASE GRANULAR MATERIAL, TYPE C
10 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE)
11 MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (YELLOW, 10' DASH - 30' SKIP)

NOTES

1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE LIFT.

MODEL: TYP03-5 [Sheet]
FILE NAME: C:\2022R3\IDOTCAD CONNECT\24006.05 IDOT D3 PTB 208-020 WO 05 IL 1 over Stream near US 24\CADD Data\CADSheets\D366B81-sht-Typicals.dgn

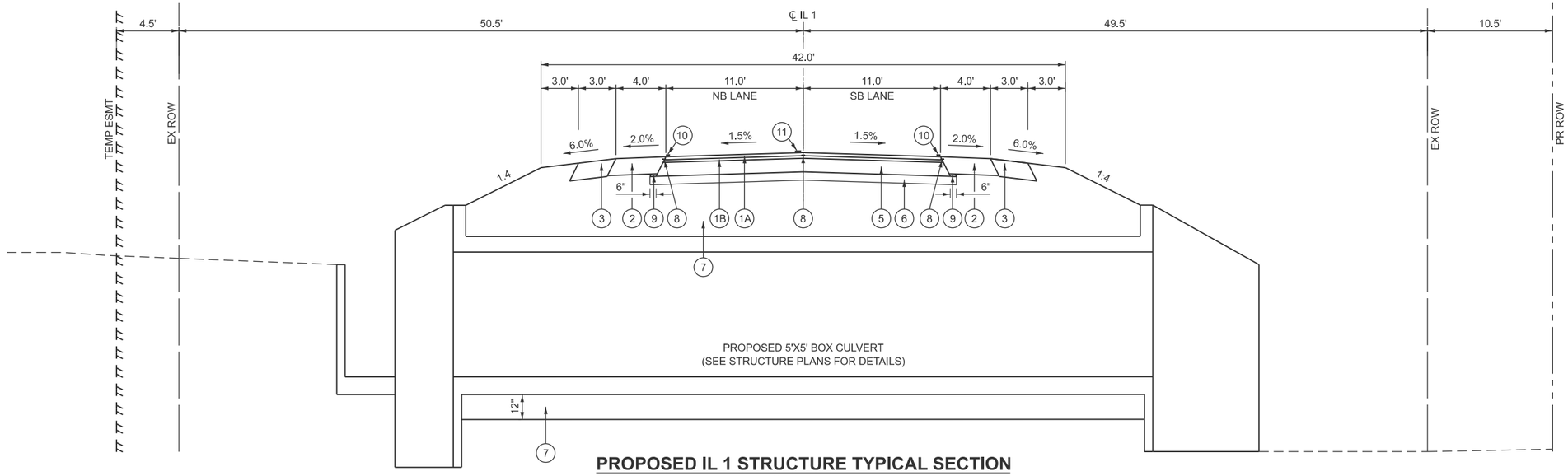
EFK•Moen
Civil Engineering Design

USER NAME = jkratz	DESIGNED - AEH	REVISED -
	DRAWN - PG	REVISED -
	CHECKED - RBB	REVISED -
PLOT DATE = 5/26/2026	DATE - 10/31/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)
SCALE: NONE | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	11
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		



PROPOSED IL 1 STRUCTURE TYPICAL SECTION

STA. 883+68.00
(LOOKING SOUTH)

PROPOSED

- (1A) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1 1/2")
- (1B) HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50 (1 1/4")
- (2) HOT-MIX ASPHALT SHOULDERS, 8"
- (3) AGGREGATE SHOULDERS, TYPE B 8"
- (4) NOT USED
- (5) HOT-MIX ASPHALT BASE COURSE, 6 1/2"
- (6) SUBBASE GRANULAR MATERIAL, TYPE A 4"
- (7) POROUS GRANULAR EMBANKMENT
- (8) LONGITUDINAL JOINT SEALANT (SEE NOTE 1)
- (9) SUBBASE GRANULAR MATERIAL, TYPE C
- (10) MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE)
- (11) MODIFIED URETHANE PAVEMENT MARKING - LINE 6" (YELLOW, 10' DASH - 30' SKIP)

NOTES

1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE LIFT.

MODEL: TYP04-5 [Sheet]
FILE NAME: O:\2022R3\IDOTCAD CONNECT\24006.05 IDOT D3 PTB 208-020 WO 05 IL 1 over Stream near US 24\CADD Data\CADSheets\D366B81-sht-Typicals.dgn

EFK•Moen
Civil Engineering Design

USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - PG	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 5/26/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	12
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			

EARTHWORK SCHEDULE

1 LOCATION			2 EARTH EXCAVATION	3 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	4 EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	5 EMBANKMENT	6 EARTH BALANCE WASTE (+) OR SHORTAGE (-)
	TO	FROM	CU YD	CU YD	CU YD	CU YD	CU YD
IL 1	880+00.00	880+50.00	10.1	1	6.9	18.5	-11.6
IL 1	880+50.00	881+00.00	17.0	1	12.0	23.6	-11.6
IL 1	881+00.00	881+50.00	17.4	1	12.3	22.6	-10.3
IL 1	881+50.00	882+00.00	14.3	1	9.9	21.5	-11.6
IL 1	882+00.00	882+50.00	8.7	0	6.5	26.8	-20.2
IL 1	882+50.00	882+84.00	4.2	0	3.1	30.3	-27.1
IL 1	882+84.00	883+00.00	2.0	0	1.5	14.3	-12.8
IL 1	883+00.00	883+48.00	22.2	1	15.9	68.1	-52.2
IL 1	883+48.00	883+88.00	70.6	4	49.9	21.5	28.4
IL 1	883+88.00	884+00.00	19.9	1	14.1	1.7	12.5
IL 1	884+00.00	884+50.00	11.7	1	8.1	28.4	-20.4
IL 1	884+50.00	885+00.00	9.6	0	7.2	35.0	-27.7
IL 1	885+00.00	885+50.00	12.1	1	8.3	35.6	-27.3
IL 1	885+50.00	886+00.00	12.6	1	8.7	33.9	-25.1
IL 1	886+00.00	886+50.00	10.7	1	7.3	26.9	-19.6
		RIGHT SIDE SUBTOTAL	243.0	15	171.7	408.4	-236.7
IL 1	880+00.00	880+50.00	14.7	1	10.2	10.9	-0.6
IL 1	880+50.00	881+00.00	23.8	1	17.1	8.2	9.0
IL 1	881+00.00	881+50.00	33.7	2	23.8	11.5	12.2
IL 1	881+50.00	882+00.00	34.1	2	24.1	18.1	5.9
IL 1	882+00.00	882+23.70	10.9	1	7.4	10.7	-3.3
IL 1	882+23.70	882+50.00	10.9	1	7.4	10.7	-3.3
IL 1	882+50.00	883+00.00	16.6	1	11.7	28.9	-17.2
IL 1	883+00.00	883+48.00	4.1	0	3.1	22.2	-19.1
IL 1	883+48.00	883+88.00	10.9	1	7.4	13.3	-5.9
IL 1	883+88.00	884+00.00	3.8	0	2.9	3.3	-0.5
IL 1	884+00.00	884+50.00	6.4	0	4.8	14.7	-9.9
IL 1	884+50.00	885+00.00	9.0	0	6.7	11.3	-4.6
IL 1	885+00.00	885+50.00	15.7	1	11.0	14.2	-3.2
IL 1	885+50.00	886+00.00	20.1	1	14.3	23.5	-9.2
IL 1	886+00.00	886+50.00	15.5	1	10.9	22.0	-11.1
		LEFT SIDE SUBTOTAL	230.1	15	162.9	223.6	-60.8
		TOTAL	475	30	335	635	-300.0

COLUMN 1: LOCATION FROM PLANS.
COLUMN 2: CUT QUANTITIES FROM MODEL. DOES NOT INCLUDE UNSUITABLE MATERIAL AND/OR TOPSOIL.
COLUMN 3: CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT. NOMINAL QUANTITY OF 5% OF EARTH EXCAVATION (COLUMN 2) PROVIDED.
COLUMN 4: QUANTITIES OF EARTH EXCAVATION ADJUSTED FOR A SHRINKAGE FACTOR OF 25%.
COLUMN 5: QUANTITIES OF EMBANKMENT (FILL) FROM MODEL.
COLUMN 6: EARTHWORK BALANCE (COLUMN 4 - COLUMN 5)
(+) = QUANTITY OF EXTRA EXCAVATION TO BE WASTED.
(-) = QUANTITY OF FURNISHED EXCAVATION NEEDED.

PROPOSED PAVEMENT SCHEDULE

FROM STATION	TO STATION	LENGTH	LT/RT	POROUS GRANULAR EMBANKMENT	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SUBBASE GRANULAR MATERIAL, TYPE C	HOT-MIX ASPHALT BASE COURSE, 6 1/2"	AGGREGATE SURFACE COURSE, TYPE B	BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT	TEMPORARY RAMP	HMA BINDER COURSE, IL-9.5FG, N50	HMA SURFACE COURSE, IL-9.5, MIX "C", N50	AGGREGATE SHOULDERS, TYPE B 8"	HOT-MIX ASPHALT SHOULDERS, 8"
				CU YD	SQ YD	CU YD	SQ YD	TON	POUND	FOOT	SQ YD	TON	TON	SQ YD	SQ YD
880+00.00	880+00.00	0	LT/RT								22.4				
886+50.00	886+50.00	0	LT/RT								22.4				
880+00.00	886+50.00	650.0	RT							650.0					285.3
880+00.00	882+60.00	260.0	RT											88.5	
880+00.00	881+99.70	199.7	LT											66.3	
880+00.00	886+50.00	650.0	LT/RT						729.9			114.0			
880+00.00	886+50.00	650.0	LT/RT						723.1	650.0			134.2		
880+00.00	886+50.00	650.0	LT							650.0					287.3
881+96.70	882+50.70	54.0	LT					53.9							
882+47.70	886+50.00	402.3	LT											136.0	
882+57.00	883+11.00	54.0	RT					53.3							
883+08.00	886+50.00	342.0	RT											115.4	
883+48.00	883+88.00	40.0	LT/RT	371.5	109.1	0.2	99.8								
			TOTAL	372	110	1	100	108	1454	1950	45	114	135	407	573

ROADWAY REMOVAL SCHEDULE

FROM STATION	TO STATION	OFFSET	PAVEMENT REMOVAL	HMA SURFACE REMOVAL, 2 3/4"	PAVED SHOULDER REMOVAL
			SQ YD	SQ YD	SQ YD
880+00.00	883+48.00	LT			135.2
880+00.00	883+48.00	RT			107.6
880+00.00	883+48.00	LT/RT		850.7	
883+48.00	883+88.00	LT/RT	97.8		25.5
883+88.00	886+50.00	LT/RT		640.4	
883+88.00	886+50.00	LT			82.6
883+88.00	886+50.00	RT			84.3
		TOTAL	98	1492	436

NOTES:
EXISTING HOT-MIX ASPHALT PAVEMENT THICKNESS IS APPROXIMATELY 2.5". QUANTITY PROVIDED FOR WHEN MILLED DEPTH IS GREATER THAN 2.5". EXACT LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

PIPE SCHEDULE

SLOPE	FROM			TO			TRENCH BACKFILL	PIPE CULVERTS, CLASS D, TYPE 2, 12"	PIPE CULVERTS, CLASS D, TYPE 2, 24"
%	STATION	OFFSET	INVERT ELEVATION	STATION	OFFSET	INVERT ELEVATION	CU YD	FOOT	FOOT
2.00%	883+79.24	40.1' RT	641.80	883+75.39	40.8' RT	641.72		4.0	
1.27%	882+04.16	36.5' LT	648.43	882+43.15	37.3' LT	647.94	5.1		39
1.90%	882+64.98	39.8' RT	647.15	883+03.92	42.1' RT	646.41	4.8		39
2.00%	883+75.68	32.8' RT	643.89	883+73.01	35.5' RT	643.81			4
						TOTAL	10	4	82

NOTES:
1. SEE EXISTING DRAINAGE SCHEDULE FOR ADDITIONAL TRENCH BACKFILL QUANTITIES.

DRAINAGE REMOVAL SCHEDULE

STRUCTURE TYPE	FROM STA	TO STA	O/S	PIPE CULVERT REMOVAL	REMOVE EXISTING FLARED END SECTION	TRENCH BACKFILL
				FOOT	EACH	CU YD
PIPE CULVERT	882+10	882+45	31.3' LT	36	2	10.5
PIPE CULVERT	882+70	882+98	32.8' RT	29	2	12.4
PIPE CULVERT	883+77	883+77	30.9' RT	3		
PIPE CULVERT	883+75	883+79	40.8' RT	4		
			TOTAL	72	4	23

NOTES:
1. SEE PIPE SCHEDULE FOR ADDITIONAL TRENCH BACKFILL QUANTITIES.

DRAINAGE STRUCTURE SCHEDULE

STATION	OFFSET	INVERT ELEVATION	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	SLOPED METAL END SECTION, STANDARD 542411, 24", 1:6
			EACH	EACH
883+76.56	31.9' RT	643.64	1	
882+04.16	36.5' LT	648.43		1
882+43.15	37.3' LT	647.94		1
882+64.98	39.8' RT	647.15		1
883+03.92	42.1' RT	646.41		1
		TOTAL	1	4

EROSION CONTROL SCHEDULE

FROM STATION	TO STATION	OFFSET	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION
			SQ YD	POUND	FOOT	EACH
880+00.00	882+11.70	LT	678.9	42.1	45.2	
880+00.00	882+72.00	RT	809.0	50.1	22.8	
881+97.25		36.3' LT				1
882+35.70	886+50.00	LT	1233.5	76.5	33.9	
882+58.08		39.4' RT				1
882+96.00	886+50.00	RT	1153.9	71.5	33.9	
		TOTAL	3876	241	136	2

LANDSCAPING SCHEDULE

FROM STATION	TO STATION	OFFSET	AREA	SEEDING CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
			SQ FT	ACRE	POUND	POUND	POUND
880+00.00	882+11.70	LT	6107.59	0.14	12.6	12.6	12.6
880+00.00	882+72.00	RT	7312.16	0.17	15.1	15.1	15.1
882+35.70	887+50.00	LT	11042.22	0.25	22.8	22.8	22.8
882+96.00	887+50.00	RT	10391.72	0.24	21.5	21.5	21.5
			TOTAL	0.80	72.0	72.0	72.0
			ROUNDED TOTAL	1.00	90	90	90

RIPRAP SCHEDULE

FROM STATION	OFFSET	TO STATION	OFFSET	STONE RIPRAP, CLASS A4	FILTER FABRIC
				SQ YD	SQ YD
883+50.00	44.3' RT	884+00.00	41.9' RT	59.3	59.3
			TOTAL	60	60

NOTES:
1. SEE STRUCTURE SHEETS FOR ADDITIONAL RIPRAP AND FILTER FABRIC QUANTITIES

DELINEATOR SCHEDULE

STATION	OFFSET	DELINEATORS	DELINEATOR REMOVAL
		EACH	EACH
883+64.43	30.0' RT		1
883+65.44	29.6' LT		1
883+65.20	32.0' RT	1	
883+70.00	31.8' LT	1	
	TOTAL	2	2

BENCHMARK SCHEDULE

LOCATION	PERMANENT BENCH MARK
	EACH
TOP OF PR HEADWALL RT	1
TOP OF PR HEADWALL LT	1
TOTAL	2

EXPLORATION TRENCH SCHEDULE

FROM STA	TO STA	OFFSET	EXPLORATION TRENCH (SPECIAL)
			FOOT
883+48.00	883+88.00	LT	40.0
883+48.00	883+88.00	RT	40.0
		TOTAL	80

MODEL: Sched02 [Sheet]
FILE NAME: C:\2022R3\IDOTCAD CONNECT\24006.05 IDOT D3 PTB 208-020 WO 05 IL 1 over Stream near US 24\CADD Data\CADSheets\D366B81-sht-Schedule.dgn

EFK•Moen
Civil Engineering Design

USER NAME = jkratz	DESIGNED - AEH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)
	DRAWN - ZJW	REVISED -		
	CHECKED - RBB	REVISED -		
PLOT DATE = 5/14/2026	DATE - 10/31/2025	REVISED -		SCALE: N/A SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	14
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			

MAINTENANCE OF TRAFFIC SCHEDULE

STAGE	LOCATION	FROM STATION	OFFSET	TO STATION	OFFSET	TEMPORARY CONCRETE BARRIER	PINNING TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	TEMPORARY RUMBLE STRIPS	TEMPORARY BRIDGE TRAFFIC SIGNALS	TEMPORARY PAVEMENT	TEMPORARY INFORMATION SIGNING
						FOOT	EACH	FOOT	EACH	EACH	EACH	EACH	SQ YD	SQ FT
PRE-STAGE	IL 1	881+69	14.7' LT	885+77	13.9' LT								326.1	42.0
	ROAD WORK AHEAD													
PRE-STAGE SUBTOTAL						0.0	0	0.0	0	0	0	0	326.1	42.0
STAGE 1	IL 1	881+68.00	4.5' RT	883+18.00	7.9' RT	150.0			1					
	IL 1	883+18.00	7.9' LT	884+18.00	7.9' LT	100.0	30							
	IL 1	884+18.00	7.9' LT	885+68.00	4.5' RT	150.0			1					
	IL 1	882+05.93	13.8' RT	885+27.53	14.0' RT								169.0	
	IL 1										6	1		
STAGE 1 SUBTOTAL						400.0	30	0.0	2	0	6	1	169.0	0.0
STAGE 2	IL 1	882+18.00	4.3' LT	883+18.00	4.0' RT			100.0		1				
	IL 1	883+18.00	4.0' RT	884+18.00	4.0' RT			100.0						
	IL 1	884+18.00	4.0' RT	885+18.00	4.3' LT			100.0		1				
	STORE 100' TCB FOR LATER USE													
	IL 1										6			
STAGE 2 SUBTOTAL						0.0	0	300.0	0	2	6	0	0.0	0.0
TOTAL						400	30	300	2	2	12	1	496	42

MAINTENANCE OF TRAFFIC PAVEMENT MARKING SCHEDULE

STAGE	FROM STATION	TO STATION	OFFSET	INCLUDED IN TCP 701321			SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL - WATER BLASTING
				SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE SOLID YELLOW	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE SOLID WHITE			
				SQ FT	FOOT	FOOT	FOOT	SQ FT	SQ FT
STAGE 1	880+17.00	886+87.00	RT	224.0	671.9				
STAGE 1	881+54.76	885+89.71	LT	144.9	434.7				
STAGE 2	880+17.00	886+87.00	RT	223.3	670.0				
STAGE 2	880+96.50	886+71.50	LT	192.2	576.6				
STAGE 1	880+07.00		RT	22.0		11.0			
STAGE 1	887+47.00		LT	22.0		11.0			
STAGE 2	880+36.50		RT	22.0		11.0			
STAGE 2	886+81.50		LT	22.0		11.0			
STAGE 3	880+00.00	887+47.00	CL				76.0	25.3	
STAGE 1	880+07.00	881+49.23	CL						20.0
STAGE 1	881+92.36	885+52.98	LT						120.2
STAGE 1	885+87.00	887+47.00	CL						20.0
STAGE 2	881+49.23	881+96.50	CL						5.0
STAGE 2	882+30.36	883+48.00	RT						39.2
STAGE 2	883+88.00	885+03.79	RT						38.6
STAGE 2	885+39.54	885+87.00	CL						5.0
TOTAL				873	2354	44	76	26	248

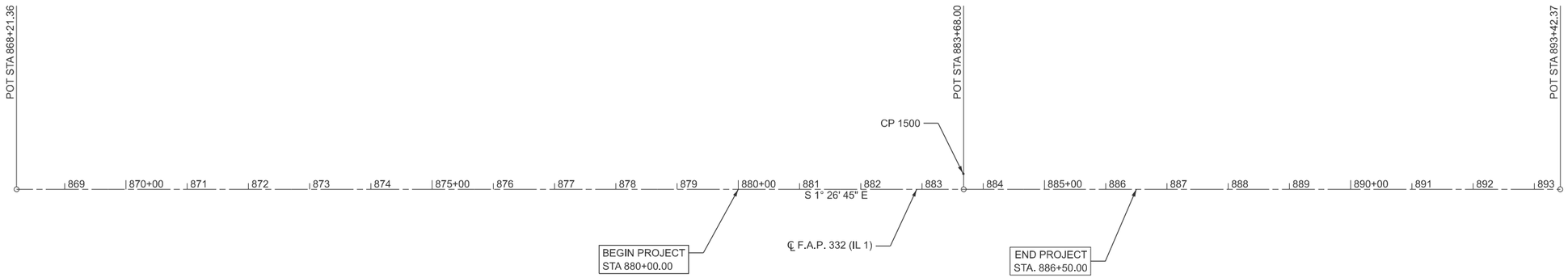
SIGNING SCHEDULE

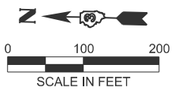
STATION	OFFSET	MOUNTING TYPE	DESIGNATION	DESCRIPTION	PANEL WIDTH	PANEL HEIGHT	PANEL AREA	REMOVE SIGN PANEL - TYPE 1	SIGN PANEL - TYPE 1	WOOD SIGN SUPPORT
					INCH	INCH	SQ FT	SQ FT	SQ FT	FOOT
882+23.00	29.8' RT	GROUND	R2-1	SPEED LIMIT	24	30	5.0	5.0	5.0	14.7
882+55.50	28.8' LT	GROUND	R2-1	SPEED LIMIT	24	30	5.0	5.0	5.0	14.7
885+54.00	29.8' LT	GROUND	W3-3	SIGNAL AHEAD	30	30	6.3	6.3	6.3	14.7
							TOTAL	17	17	45

PAVEMENT MARKING SCHEDULE

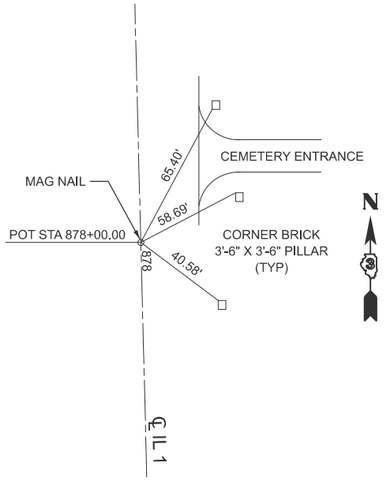
START STATION	END STATION	OFFSET	MODIFIED URETHANE PAVEMENT MARKING - LINE 4" SOLID WHITE	MODIFIED URETHANE PAVEMENT MARKING - LINE 6" YELLOW 10' DASH - 30' SKIP	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT
			FOOT	FOOT	EACH	EACH	EACH	EACH
880+00.00	887+47.00	CL		380.0	9	9		
880+00.00	886+50.00	LT	1300.0					
880+00.00	886+50.00	RT	1300.0					
865+50.00	887+47.00	CL					2	2
SUBTOTAL			2600.0	380.0	9	9	2	2
TOTAL			2600	380	9	9	2	2

NOTES:
1. PAVEMENT MARKING QUANTITIES AS SHOWN ARE FOR TWO APPLICATIONS.

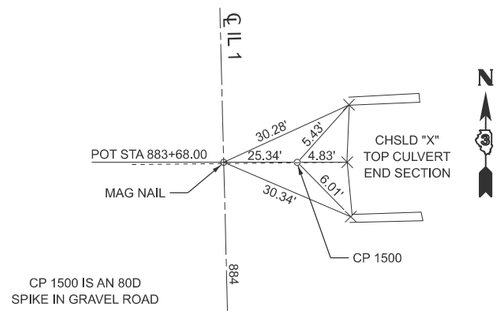




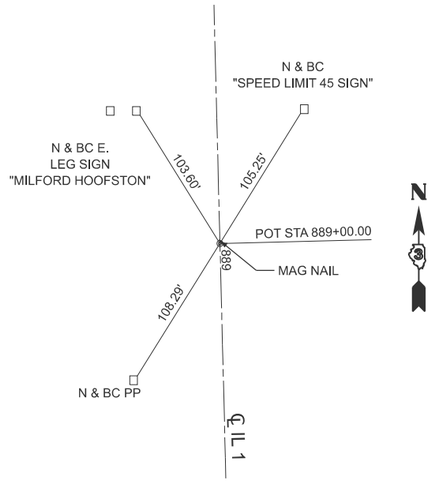
ALIGNMENT COORDINATES - ℄ IL 1			
POINT	STA	NORTHING	EASTING
POT	868+21.36	1496945.6420	1160822.7100
POT	883+68.00	1495399.4920	1160861.7360
POT	893+42.37	1494425.4311	1160886.3220



POT STA 878+00.00 (IL 1)
MAG NAIL
N. 1495967.3112, E. 1160847.4038



CP 1500 - STA 883+67.61, 25.28' LT
80d SPIKE
N. 1495400.5300, E. 1160886.9980
EL: 650.468



POT STA 889+00.00 (IL 1)
MAG NAIL
N. 1494867.6614, E. 1160875.1598

BENCHMARK 3

CHISLED SQUARE ON TOP NW
CORNER OF END SECTION
STA 883+64.43, 29.97' RT
N 1495402.3020
E 1160831.6890
EL 648.9950

BENCHMARK 10

CHISLED SQUARE ON TOP SE
CORNER OF END SECTION
STA 883+70.77, 29.60' LT
N 1495397.4690
E 1160891.3980
EL 649.6190

NOTES

1. TOPOGRAPHIC SURVEY OF IL 1 COORDINATES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE (NAD83-2011 ADJ).

MODEL: ATB01 [Sheet]
FILE NAME: O:\2022R3\IDOTCAD CONNECT\24006.05 IDOT D3 PTB 208-020 WO 05 IL 1 over Stream near US 24\CADD Data\CADsheets\D366881-sht-ATB.dgn

EFK•Moen
Civil Engineering Design

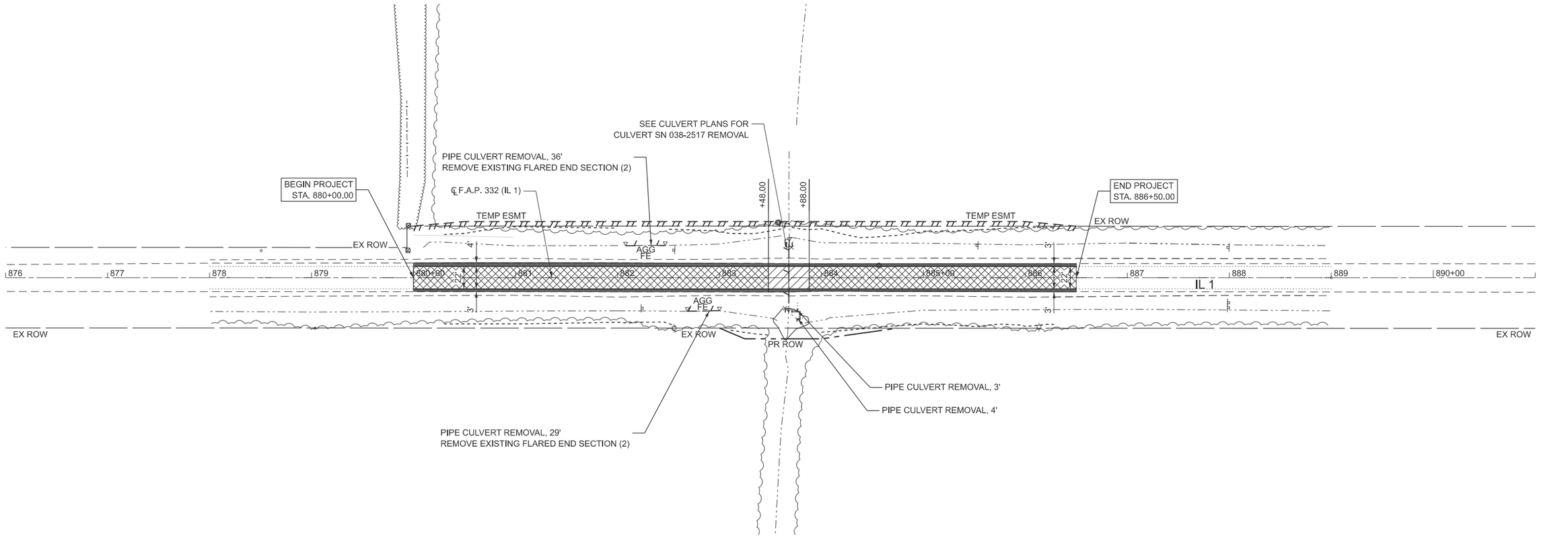
USER NAME = jkratz		DESIGNED - AEH	REVISED -	
		DRAWN - ZJW	REVISED -	
		CHECKED - RBB	REVISED -	
PLOT DATE = 5/13/2026		DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, & BENCHMARKS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 1"=100' | SHEET 1 OF 1 SHEETS | STA. 886+21.36 | TO STA. 893+42.37

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	16
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			



REMOVAL LEGEND

- HMA SURFACE REMOVAL, 2 3/4"
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- REMOVAL
- LIMITS OF CONSTRUCTION

MODEL: Rem1
FILE NAME: C:\2022R3\IDOTCAD CONNECT\24006.05 IDOT D3 PTB 208-020 WO 05 IL 1 over Stream near US 24\CADD Data\CADSheets\D366B81-sht-Removals.dgn

EFK•Moen
Civil Engineering Design

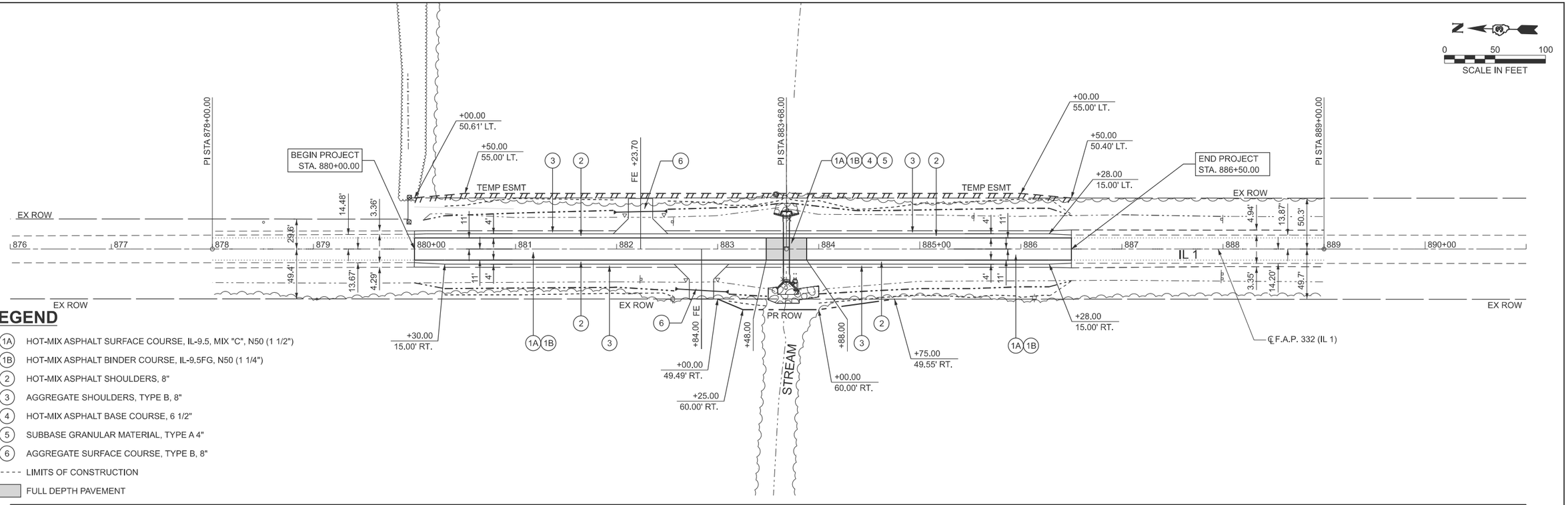
USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 8/8/2025	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

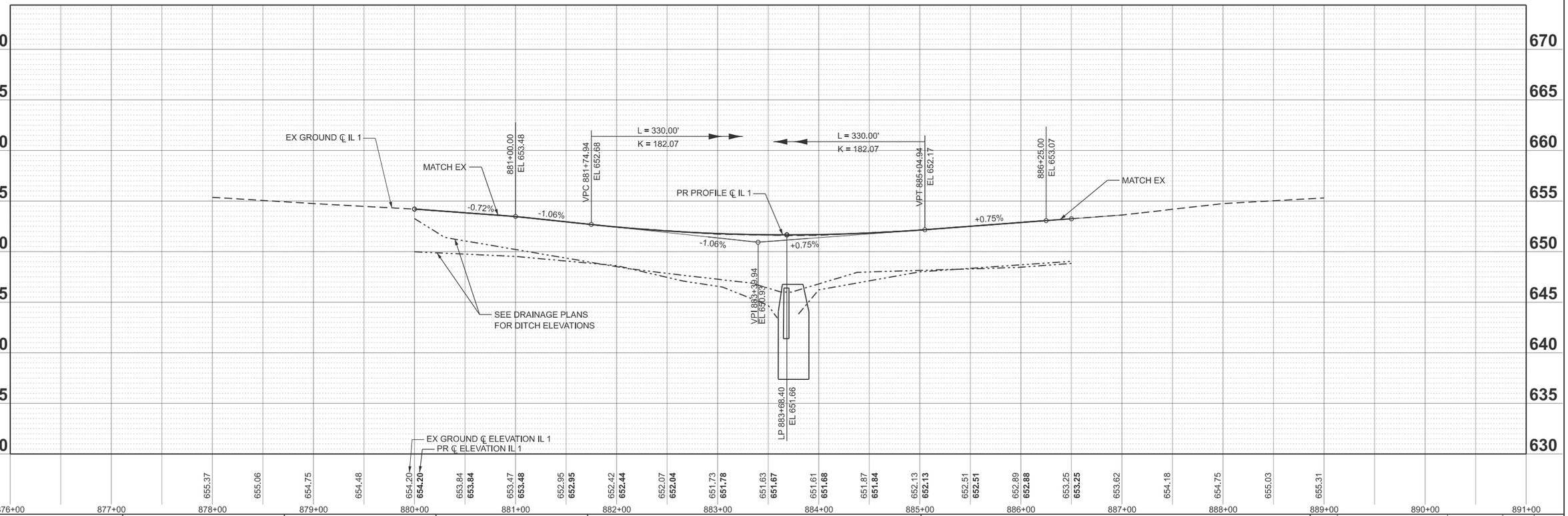
SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 876+00.00 | TO STA. 891+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	17
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		



LEGEND

- (1A) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1 1/2")
- (1B) HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50 (1 1/4")
- (2) HOT-MIX ASPHALT SHOULDERS, 8"
- (3) AGGREGATE SHOULDERS, TYPE B, 8"
- (4) HOT-MIX ASPHALT BASE COURSE, 6 1/2"
- (5) SUBBASE GRANULAR MATERIAL, TYPE A 4"
- (6) AGGREGATE SURFACE COURSE, TYPE B, 8"
- ----- LIMITS OF CONSTRUCTION
- FULL DEPTH PAVEMENT



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EFK♦Moen
Civil Engineering Design

USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 8/8/2025	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 876+00.00 | TO STA. 891+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	18
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			

STAGING GENERAL NOTES

1. THE STAGING PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THE CONTRACT. THE CONTRACTOR MAY MODIFY THE STAGING PLANS TO MEET CONSTRUCTION NEEDS, BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.

2. ALL THE EXISTING AND TEMPORARY PAVEMENT MARKINGS FROM PRIOR STAGES THAT ARE IN CONFLICT SHALL BE REMOVED.

3. ANY RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES MUST HAVE THE REFLECTIVE LENSES REMOVED AS DIRECTED BY THE ENGINEER.

4. SIGNS DESIGNATED AS (O) SHALL HAVE FLUORESCENT ORANGE SHEETING MATERIAL WITH BLACK LETTERING.

5. THE CONTRACTOR SHALL REMOVE OR COVER ALL EXISTING SIGNS THAT CONFLICT WITH OR DO NOT APPLY TO THE REVISED TRAFFIC PATTERNS AND SHALL RESTORE THE SIGNS AT THE END OF CONSTRUCTION AS DIRECTED BY THE ENGINEER. DO NOT PLACE TAPE OR DRILL INTO THE FACE OF THE SIGN WHEN COVERING.

6. CONTRACTOR SHALL STORE ANY UNUSED TEMPORARY CONCRETE BARRIER OUTSIDE OF THE CLEAR ZONE OR OUTSIDE OF THE PROJECT LIMITS. THE STORAGE OF UNUSED TEMPORARY CONCRETE BARRIER SHALL NOT POSE A HAZARD TO MOTORISTS OR ABUTTING PROPERTIES/APPURTENANCES.

STAGING SEQUENCE OF CONSTRUCTION

PRESTAGE

TRAFFIC:

1. UTILIZE STANDARD 701006 ADJACENT TO THE NB LANE.

CONSTRUCTION:

1. CONSTRUCT TEMPORARY PAVEMENT WITH TEMPORARY GRADING ADJACENT TO THE NB LANE.

STAGE 1

TRAFFIC:

1. UTILIZE STANDARD 701321 AND THE STAGING PLANS TO INSTALL TEMPORARY SIGNALS, TEMPORARY CONCRETE BARRIERS, AND OTHER TRAFFIC CONTROL DEVICES.

2. MAINTAIN ONE 11' LANE WITH A 1' WIDE INSIDE SHOULDER AND A 2' WIDE OUTSIDE SHOULDER ON EX NB PAVEMENT, SHOULDERS, AND TEMPORARY PAVEMENT.

CONSTRUCTION:

1. AT THE BOX CULVERT REMOVE EX SB PAVEMENT, SHOULDERS, PORTION OF NB PAVEMENT, AND PORTION OF BOX.

2. CONSTRUCT TEMPORARY SHEET PILE, PORTION OF PR BOX CULVERT, PR SB PAVEMENT, HMA SHOULDERS, TEMPORARY PAVEMENT, TEMPORARY GRADING, AND OTHER APPURTENANCES AROUND THE PR BOX CULVERT.

STAGE 2

TRAFFIC:

1. UTILIZE STANDARD 701321 AND THE STAGING PLANS TO RELOCATE TEMPORARY CONCRETE BARRIERS AND OTHER TRAFFIC CONTROL DEVICES.

2. MAINTAIN ONE 11' LANE WITH A 1' WIDE INSIDE SHOULDER AND A 2' WIDE OUTSIDE SHOULDER ON PR SB PAVEMENT, HMA SHOULDERS, AND TEMPORARY PAVEMENT.

CONSTRUCTION:

1. AT THE BOX CULVERT REMOVE EX REMAINING NB PAVEMENT, SHOULDERS, TEMPORARY PAVEMENT, REMAINING PORTION OF BOX CULVERT, AND TEMPORARY SHEET PILE.

2. CONSTRUCT PR REMAINING PORTION OF BOX CULVERT, NB PAVEMENT, SHOULDERS, GRADING, AND OTHER APPURTENANCES AROUND THE BOX CULVERT.

STAGE 3

TRAFFIC:

1. UTILIZE STANDARDS 701306 AND 701326 TO DO WORK ADJACENT TO THE NB AND SB LANES, ALTERNATING.

2. UTILIZE STANDARD 701006 TO DO WORK ADJACENT TO THE NB AND SB LANES, ALTERNATING.

CONSTRUCTION:

1. REMOVE TEMPORARY PAVEMENT, REMOVE REMAINING EX NB AND SB HMA SHOULDERS, AND INSTALL PR NB AND SB HMA AND AGGREGATE SHOULDERS ALTERNATING NB AND SB WORK WITHIN THE PROJECT LIMITS.

2. REGRADE DITCHES FOR FINAL CONDITIONS.

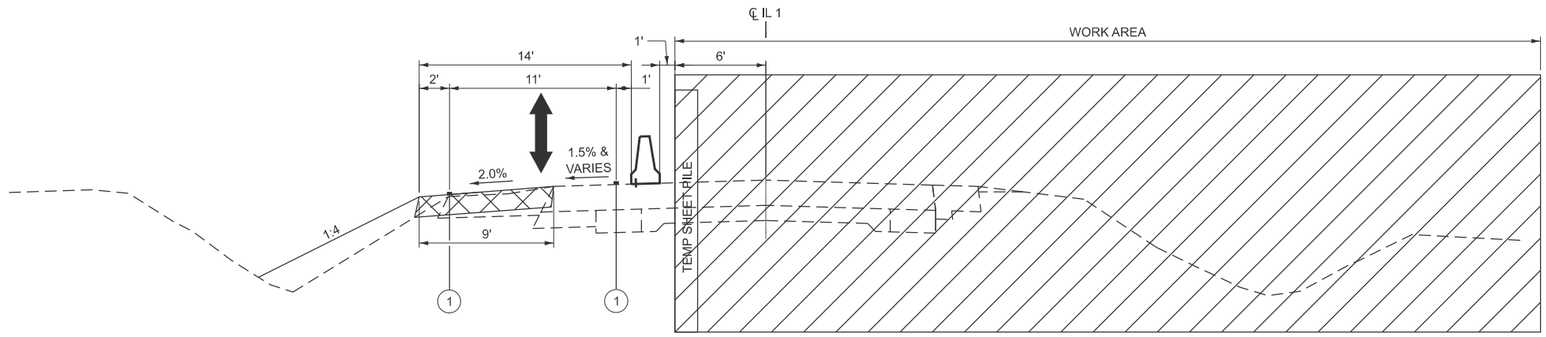
STAGE 4

TRAFFIC:

1. UTILIZE STANDARDS 701301, 701306, 701311, AND 701326 TO ALTERNATE CLOSURES OF THE NB AND SB LANES.

CONSTRUCTION:

1. OUTSIDE OF BOX CULVERT PAVEMENT REPLACEMENT LIMITS, MILL AND RESURFACE EX PAVEMENT, AND PLACE FINAL PAVEMENT MARKINGS.



IL 1 TYPICAL SECTION STAGE 1

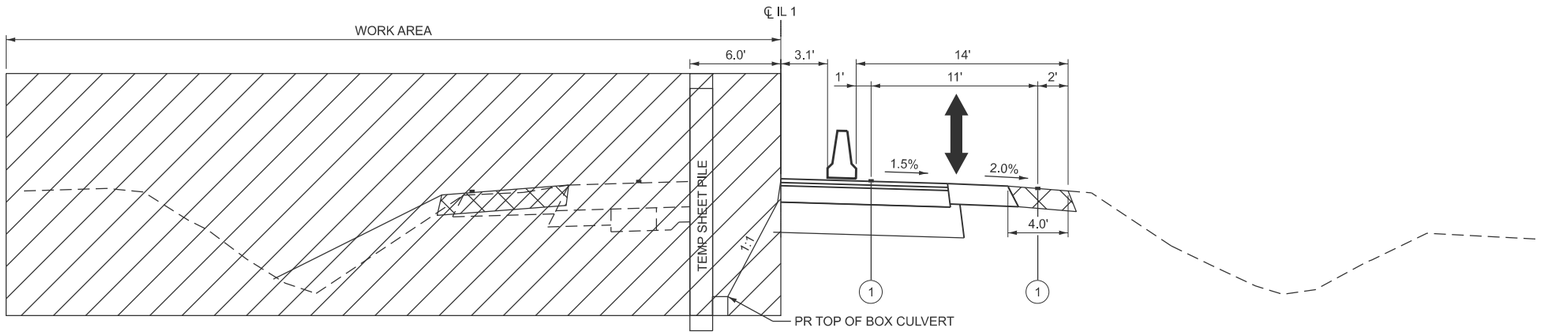
STA. 883+48.00 TO STA. 883+88.00
(LOOKING SOUTH)

LEGEND

- TEMPORARY CONCRETE BARRIER
- TEMPORARY CONCRETE BARRIER PINNED ON TRAFFIC SIDE
- (1) TEMPORARY PAVEMENT MARKING - LINE 4" - TAPE TYPE IV (SOLID WHITE)
- WORK AREA
- TEMPORARY PAVEMENT (SEE NOTE 1)

NOTES

1. TEMPORARY PAVEMENT CONSISTS OF:
   - HMA SURFACE COURSE, MIX C, N50, 2"
   - HMA BINDER COURSE, IL 19.0, N50, 6"
   - SUBBASE GRANULAR MATERIAL, TYPE A, 4"



IL 1 TYPICAL SECTION STAGE 2

STA. 883+48.00 TO STA. 883+88.00
(LOOKING SOUTH)

MODEL: TYP01-5 [Sheet]
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EFK•Moen
Civil Engineering Design

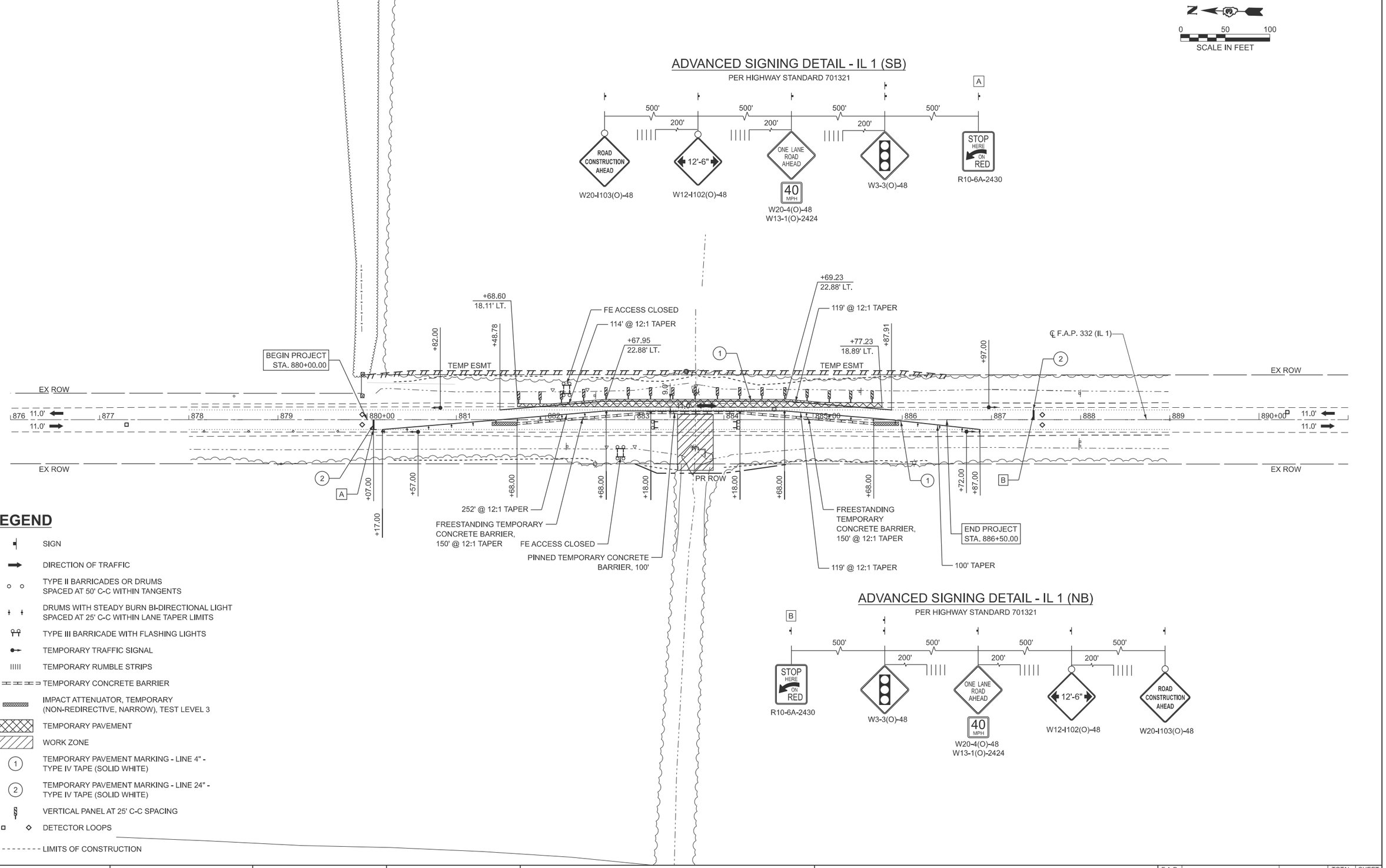
USER NAME = ZWaters	DESIGNED - AEH	REVISED -	
	DRAWN - JK	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 5/21/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: NONE | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	20
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		



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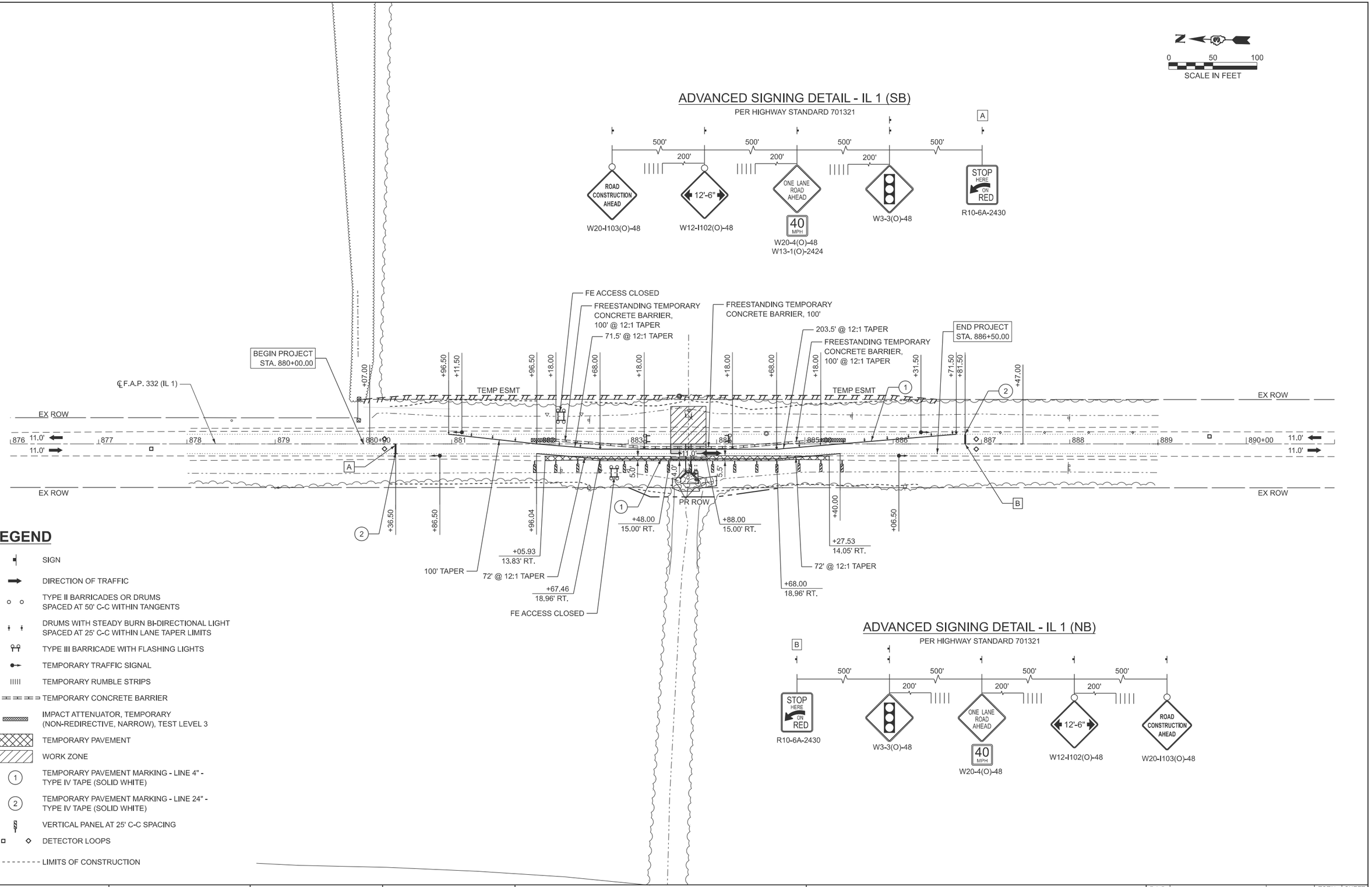
EFK•Moen Civil Engineering Design	USER NAME = ZWaters	DESIGNED - AEH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - ZJW	REVISED -	
		CHECKED - RBB	REVISED -	
	PLOT DATE = 6/22/2026	DATE - 10/31/2025	REVISED -	

MAINTENANCE OF TRAFFIC - STAGE 1
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: | SHEET 3 OF 5 SHEETS | STA. 876+00.00 | TO STA. 891+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	21
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		



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EFK•Moen
Civil Engineering Design

USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 6/22/2026	DATE - 10/31/2025	REVISED -	

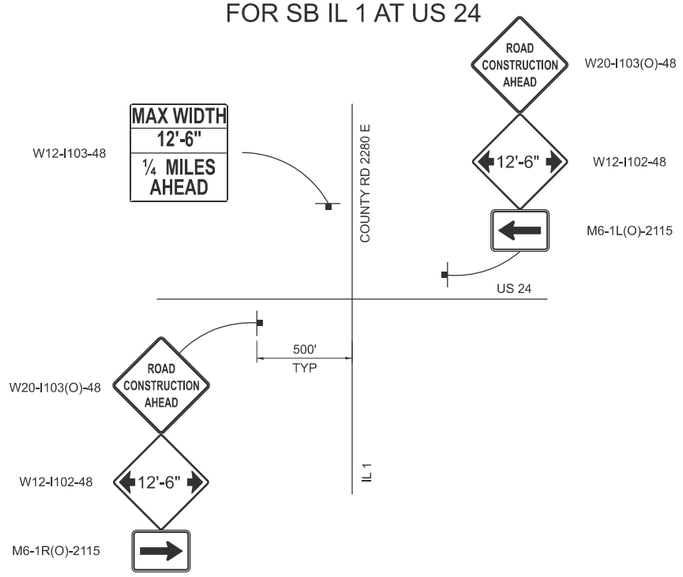
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - STAGE 2
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

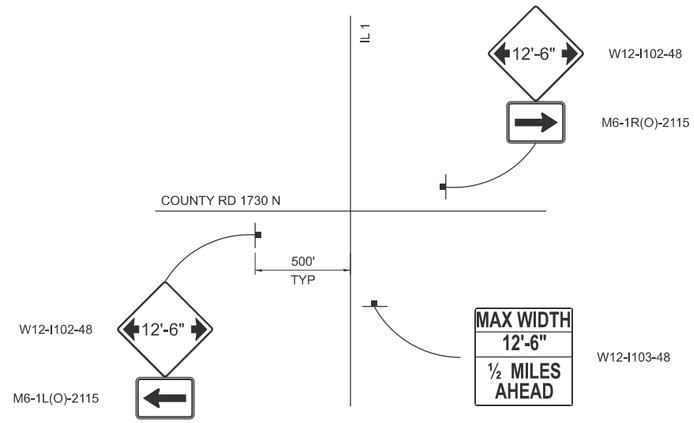
SCALE: 1"=50' | SHEET 4 OF 5 SHEETS | STA. 876+00.00 | TO STA. 891+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	22
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			

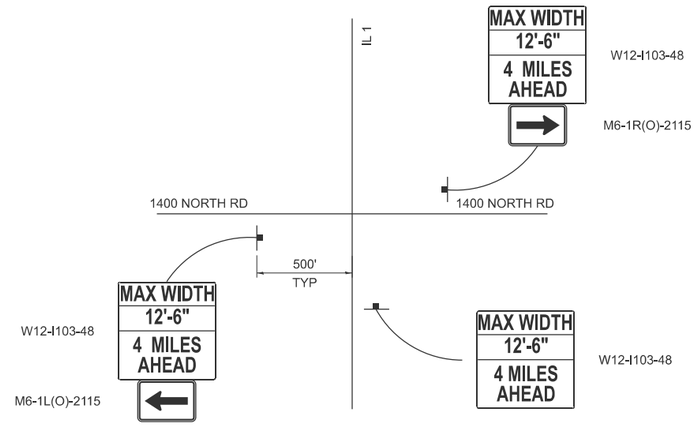
ADVANCE WIDTH RESTRICTION SIGNING FOR SB IL 1 AT US 24



ADVANCE WIDTH RESTRICTION SIGNING FOR NB IL 1 AT COUNTY RD 1730 N



ADVANCE WIDTH RESTRICTION SIGNING FOR NB IL 1 AT 1400 NORTH RD



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EFK•Moen
Civil Engineering Design

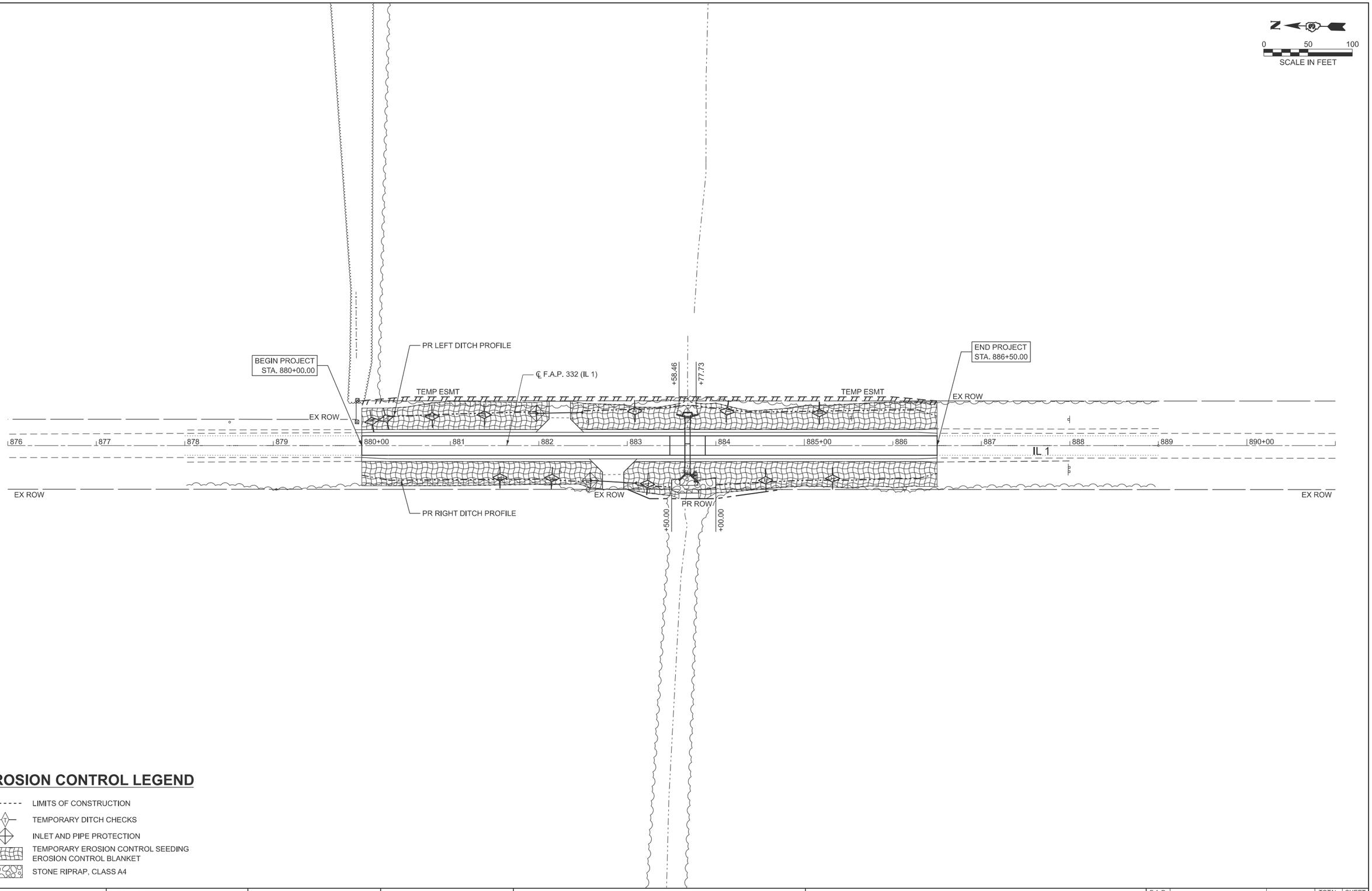
USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 5/13/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - ADVANCE WIDTH RESTRICTION SIGNING
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: NONE | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	23
		CONTRACT NO. 66B81		
		ILLINOIS FED. AID PROJECT		



EROSION CONTROL LEGEND

- LIMITS OF CONSTRUCTION
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION
- TEMPORARY EROSION CONTROL SEEDING
  EROSION CONTROL BLANKET
- STONE RIPRAP, CLASS A4

MODEL: ERS01
FILE NAME: O:\2022R3\IDOTCAD CONNECT\24006.05 IDOT D3 PTB 208-020 WO 05 IL 1 over Stream near US 24\CADD Data\CADDsheets\D366B81-sht-Eros.dgn

EFK◆Moen
Civil Engineering Design

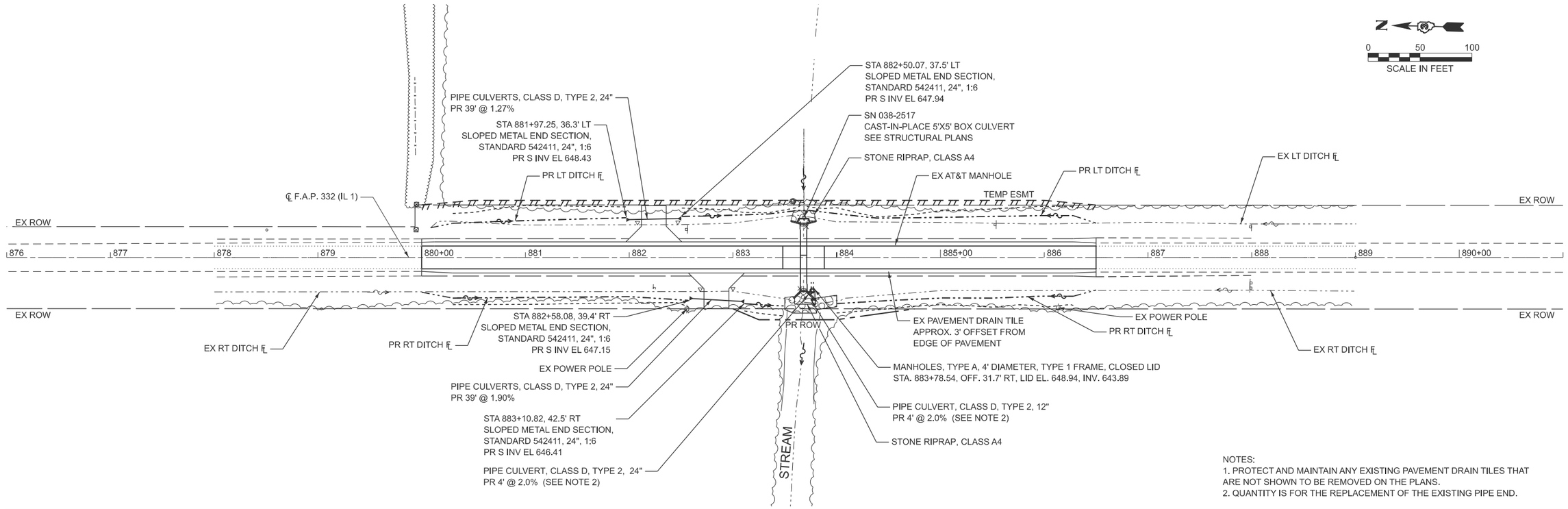
USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 8/8/2025	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL PLAN
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 876+00.00 TO STA. 891+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	24
		CONTRACT NO. 66B81		
		ILLINOIS FED. AID PROJECT		



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EFK◆Moen
Civil Engineering Design

USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJB	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 6/22/2026	DATE - 10/31/2025	REVISED -	

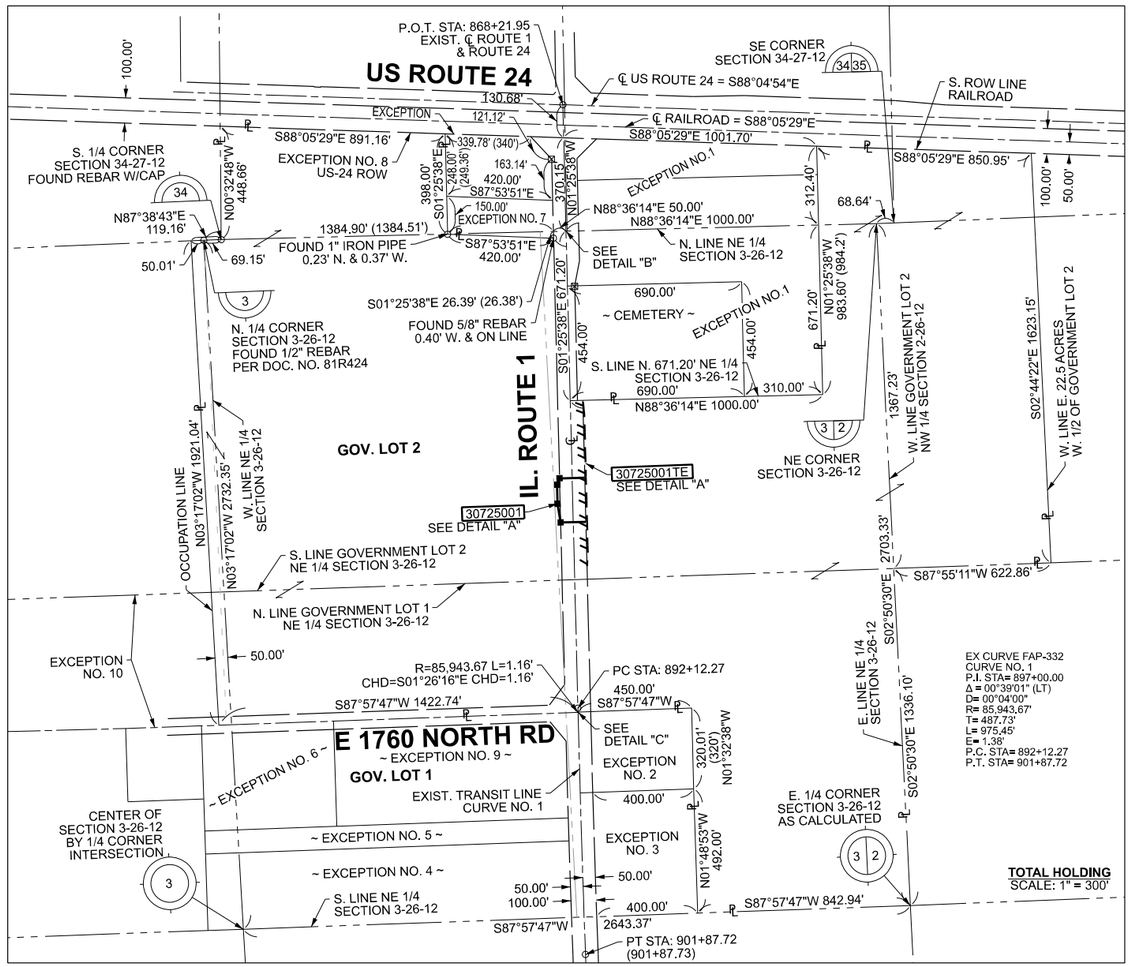
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

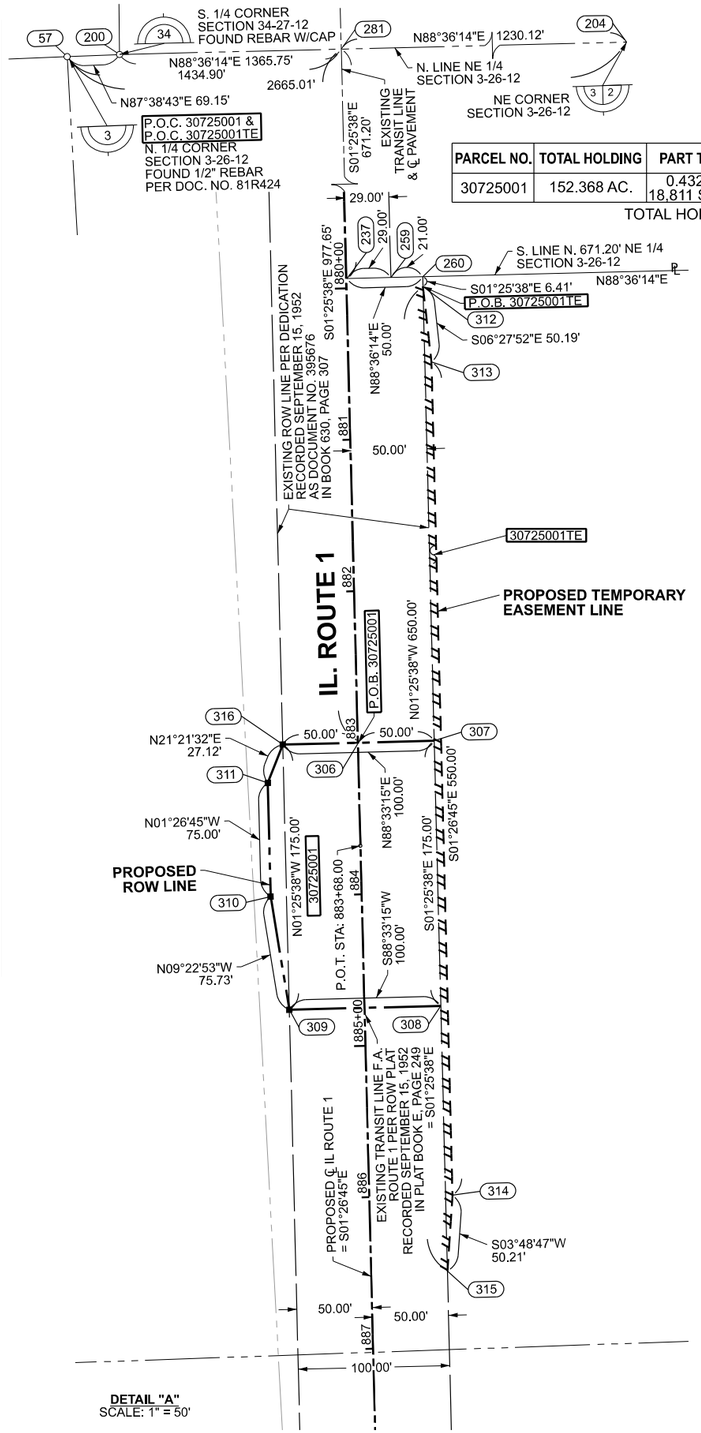
DRAINAGE & UTILITY PLAN
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 876+00.00 | TO STA. 891+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	25
		CONTRACT NO. 66B81		
		ILLINOIS	FED. AID PROJECT	

PART OF THE S. 1/2 OF SEC. 34, T. 27 N., R. 12 W. & PART OF SEC. 2 & 3, IN T. 26 N., R. 12 W. OF THE 2ND P.M.



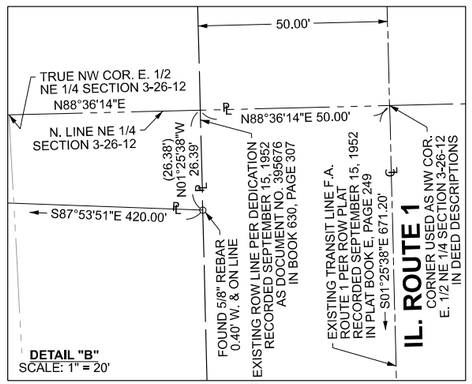


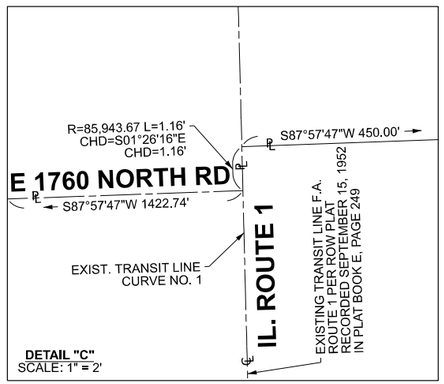
PARCEL NO.	TOTAL HOLDING	PART TAKEN	AREA IN EXISTING R.O.W.	NET R.O.W. REQUIRED	REMAINDER	EASEMENT AREA	
						ACRES	SQUARE FEET
30725001	152.368 AC.	0.432 AC. 18,811 SQ. FT.	0.402 AC. 17,500 SQ. FT.	0.030 AC. 1,311 SQ. FT.	151.936 AC.	0.062	2,698

TOTAL HOLDING AREA BASED ON FIELD MEASUREMENTS.

COORDINATE TABLE ~ IL. ROUTE 1
COORDINATES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD83 (2011)

PT NO.	STATION	OFFSET	NORTHING	EASTING
57			1,496,408.7154	1,159,401.7404
200			1,496,411.5564	1,159,470.8320
204			1,496,474.8045	1,162,065.9306
281	873+22.35	0.83' LT.	1,496,444.8329	1,160,836.1807
237	879+93.55	0.61' LT.	1,495,773.8410	1,160,852.8986
259	879+93.57	29.61' LT.	1,495,774.5476	1,160,881.8900
260	879+93.59	50.61' LT.	1,495,775.0593	1,160,902.8837
312	880+00.00	50.61' LT.	1,495,768.6543	1,160,903.0433
313	880+50.00	55.00' LT.	1,495,718.7810	1,160,908.6944
306	883+00.00	0.51' LT.	1,495,467.4857	1,160,860.5315
307	883+00.00	50.51' LT.	1,495,468.7473	1,160,910.5156
316	883+00.00	49.49' RT.	1,495,466.2241	1,160,810.5474
311	883+25.00	60.00' RT.	1,495,440.9668	1,160,800.6700
310	884+00.00	60.00' RT.	1,495,365.9907	1,160,802.5625
309	884+75.00	49.55' RT.	1,495,291.2783	1,160,814.9062
308	884+75.00	50.45' LT.	1,495,293.8016	1,160,914.8744
314	886+00.00	55.00' LT.	1,495,168.9561	1,160,922.5724
315	886+50.00	50.40' LT.	1,495,118.8559	1,160,919.2332





NOTES:

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, (NAD-83, 2011 ADJ.).

ALL AREAS ARE BASED ON GROUND MEASUREMENTS.

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINED FACTOR = 0.99998432

AREAS SHOWN ON THIS PLAT ARE "GROUND".

THE EXISTING TRANSIT LINE/CENTERLINE OF PAVEMENT LIES 0.5'± EAST OF THE PROPOSED CENTERLINE.

I, DAVID A. CLAASSEN, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF IL. ROUTE 1 WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DAVID A. CLAASSEN 35-2962 JOLIET ILLINOIS PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS

BY_____ DATED 07/02/2025

DAVID A. CLAASSEN, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2962 (EXPIRES NOV. 2026)

CWA SURVEY
CLAASSEN, WHITE & ASSOCIATES, P.C.
LAND SURVEYORS
121 AIRPORT DRIVE, UNIT I, JOLIET, ILLINOIS 60431
(815) 744-3720 claassenwhite@cwasurvey.com
CWA Job #8130

0 50 100 200
SCALE IN FEET 1" = 50'

MODEL:
FILE NAME:

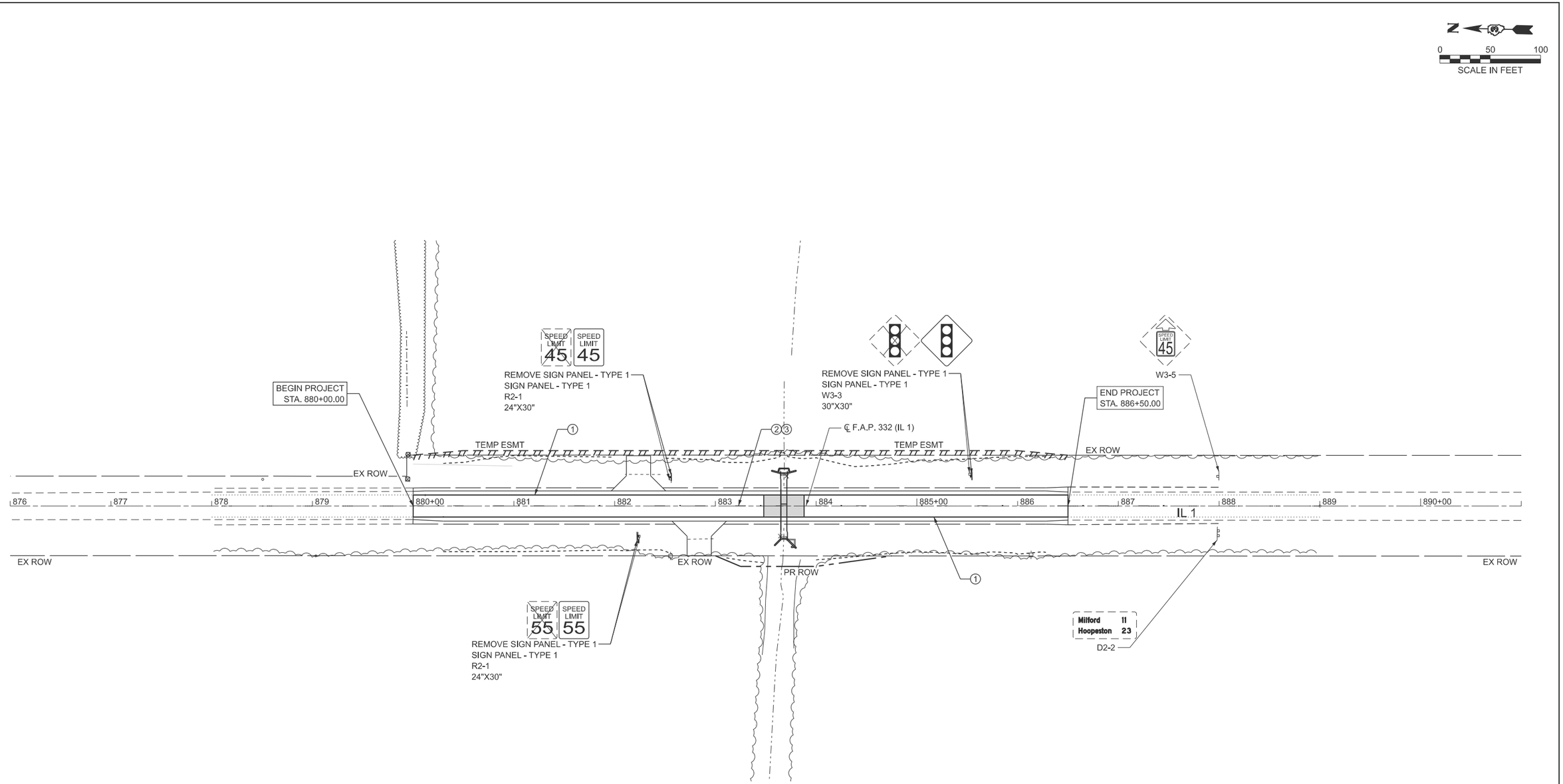
USER NAME = JASON SHIBLEY	DESIGNED -	REVISED -
	DRAWN - JLS	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - DAC	REVISED -
PLOT DATE = 07/09/25	DATE - 07/02/25	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 880+00.00 | TO STA. 886+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	26
R-93-007-25		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

① MODIFIED URETHANE PAVEMENT MARKING - LINE 4" (WHITE)

② MODIFIED URETHANE PAVEMENT MARKING - LINE 6"
(YELLOW, 10' DASH - 30' SKIP)

③ RAISED REFLECTIVE PAVEMENT MARKER
(1 PER 80' C-C SPACING, TWO-WAY AMBER)

------ LIMITS OF CONSTRUCTION

NOTES:
1. SEE DISTRICT 3 DETAILS FOR PAVEMENT MARKING LAYOUT.

MODEL: PMK01
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EFK•Moen
Civil Engineering Design

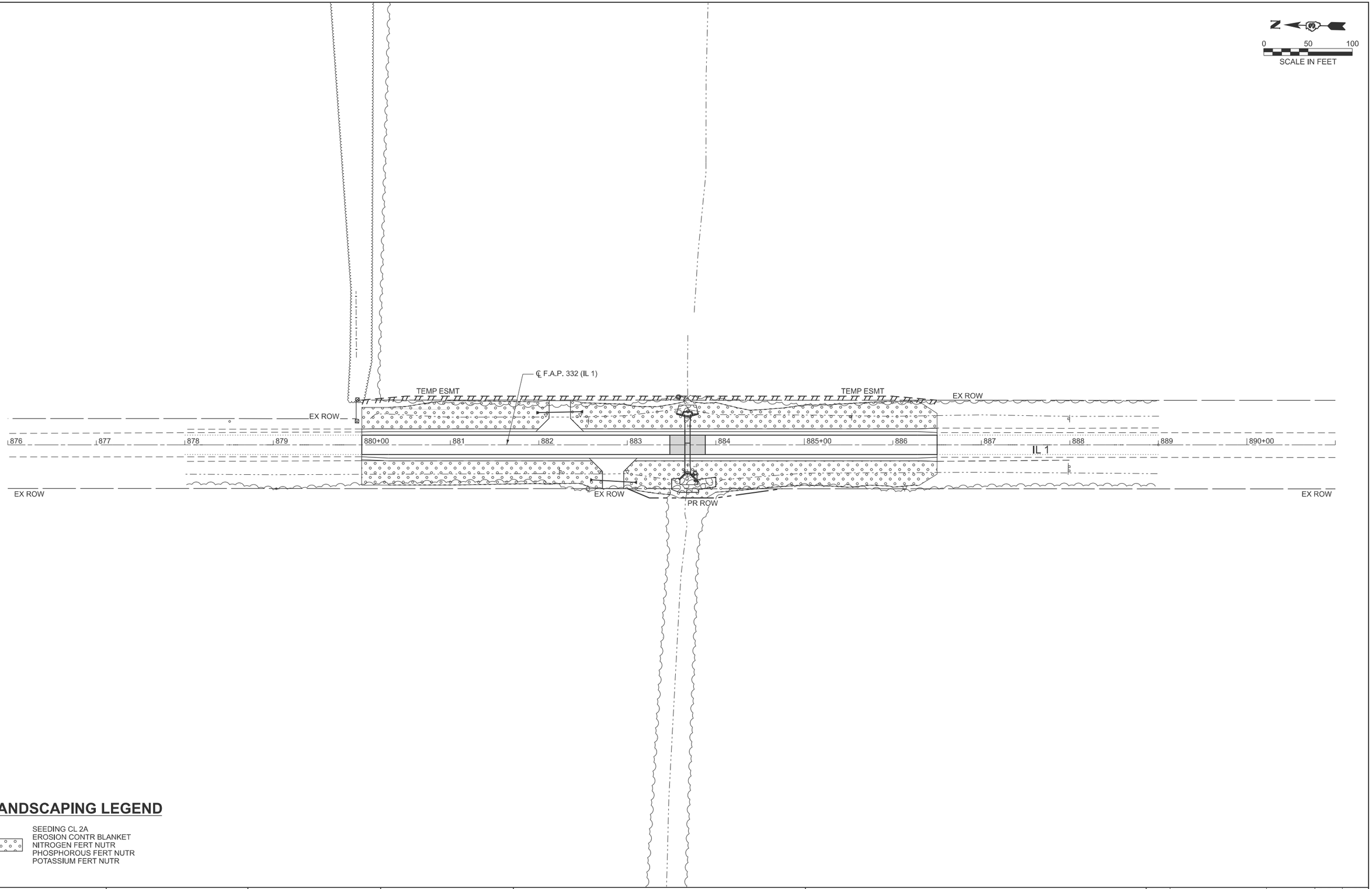
USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 8/8/2025	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 876+00.00 | TO STA. 891+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	27
		CONTRACT NO. 66B81		
		ILLINOIS FED. AID PROJECT		



LANDSCAPING LEGEND

SEEDING CL 2A
EROSION CONTR BLANKET
NITROGEN FERT NUTR
PHOSPHOROUS FERT NUTR
POTASSIUM FERT NUTR

MODEL: ERS01
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EFK•Moen
Civil Engineering Design

USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 8/8/2025	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. 876+00.00 | TO STA. 891+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	28
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		

Benchmark: *BM3 - Chiseled "□" on northwest corner of end section, Sta. 883+64.43, Offset 29.97' Lt., Elevation 648.995 (NAD83)*

Existing Structure: *SN 038-2517 is a 68'-3" concrete 6'x3' box culvert, built in 1919, extended by 6' in both 1953 and 1992, along with an L-shaped retaining wall connected to and extending south and west from the west precast end section from the 1992 extension.*

Traffic Control: *To be maintained using stage construction.*

No Salvage

INDEX OF SHEETS

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

DESIGN SPECIFICATIONS

2024 AASHTO LRFD Bridge Design Specifications, 10th Edition

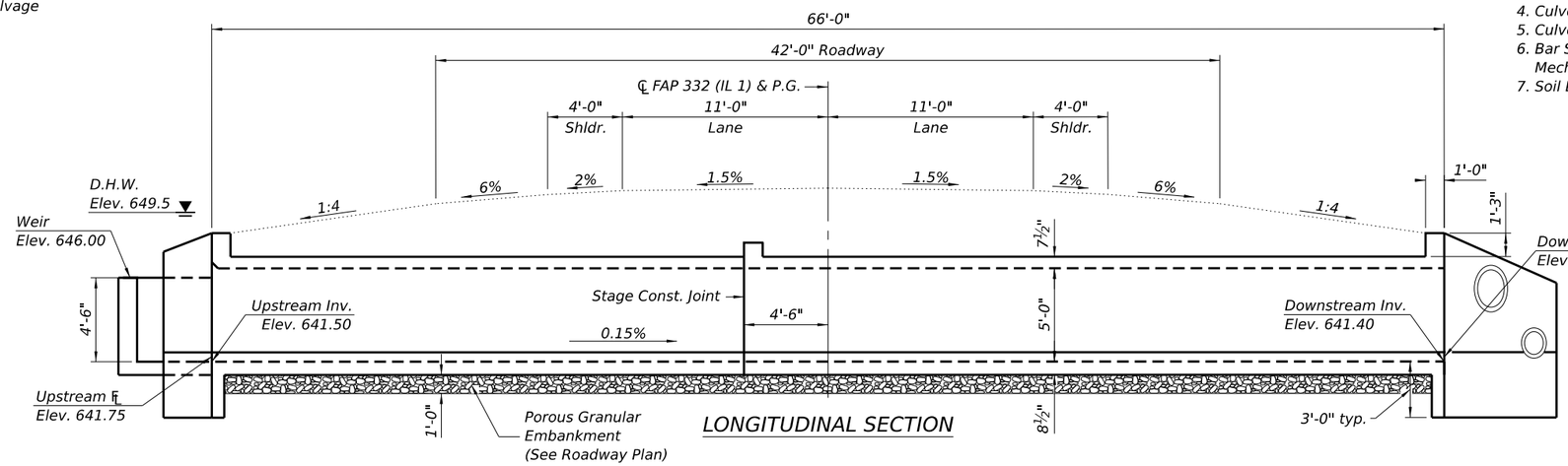
LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

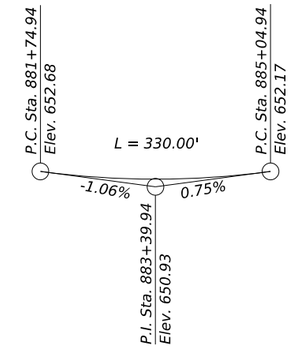
DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

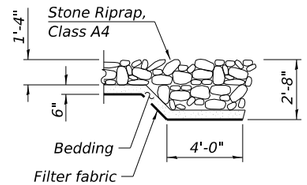


LONGITUDINAL SECTION

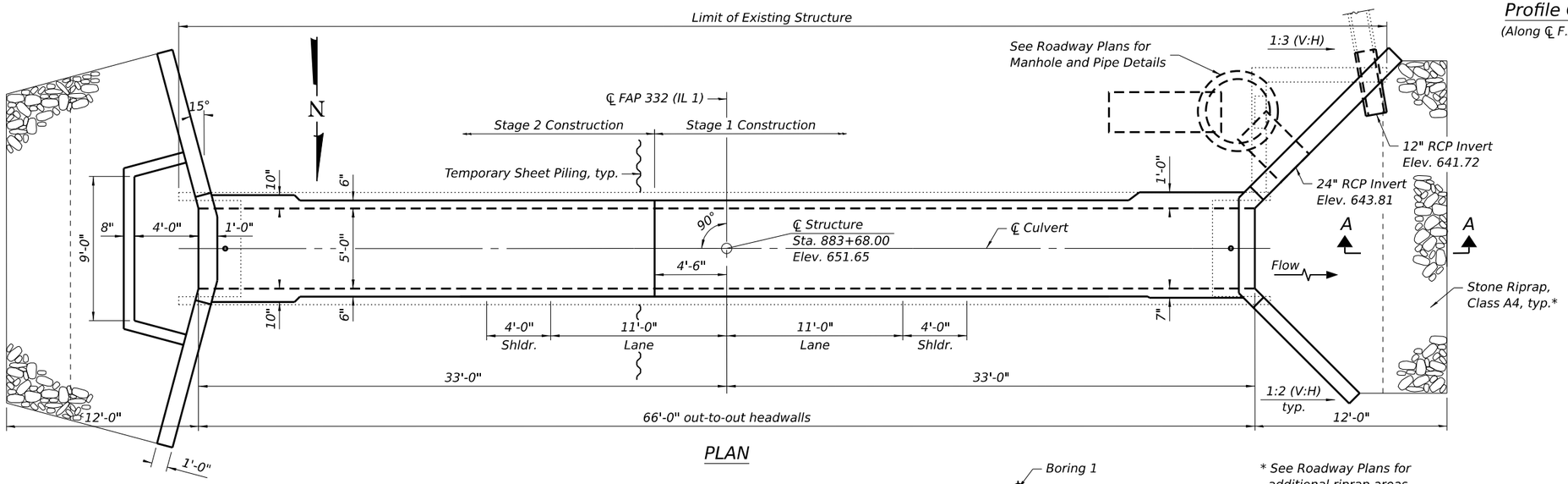


Profile Grade

(Along ℄ F.A.P. 332)



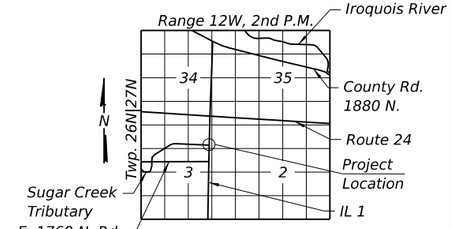
SECTION A-A



PLAN

Boring 1

** See Roadway Plans for additional riprap areas*



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area = 570 acres

Existing Overtopping Elev. 651.60 @ Sta. 883+68.00
Proposed Overtopping Elev. 651.60 @ Sta. 883+68.00

Flood	Freq.	Q	Opening Ft²		Nat.	Head - Ft.		Headwater El.	
	Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
Ten-Year	10	106	17	25	648.8	1.1	0.0	649.9	648.8
Design	50	179	18	25	649.2	2.4	0.3	651.6	649.5
Overtop Existing	51	180	18	25	649.2	2.4	--	651.6	--
Base	100	211	18	25	649.3	2.6	0.6	651.9	649.9
Scour Check	200	244	18	25	649.4	2.5	1.4	652.0	650.8
Overtop Proposed	415	278	18	25	649.5	--	2.4	--	651.9
Max. Calc.	500	288	18	25	649.6	2.5	2.3	652.1	651.9

10-Year Outlet Velocity from Existing Structure = 10.4 fps
10-Year Outlet Velocity from Proposed Structure = 5.1 fps

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	43
Filter Fabric	Sq. Yd.	43
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	18
Concrete Structures	Cu. Yd.	3.2
Reinforcement Bars, Epoxy Coated	Pound	7,270
Bar Splicers	Each	32
Temporary Sheet Piling	Sq. Ft.	853
Concrete Box Culverts	Cu. Yd.	48.8

GENERAL PLAN AND ELEVATION
IL 1 OVER SUGAR CREEK TRIBUTARY
F.A.P. 332-(3)CR-2517
IROQUOIS COUNTY
STATION 883+68.00

EFK•Moen
Civil Engineering Design

USER NAME = $USER$	DESIGNED - KRH	REVISED -	
	CHECKED - ACB	REVISED -	
PLOT SCALE =	DRAWN - KRH	REVISED -	
PLOT DATE = 10/30/2025	CHECKED - ACB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

SHEET 1 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	29
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		

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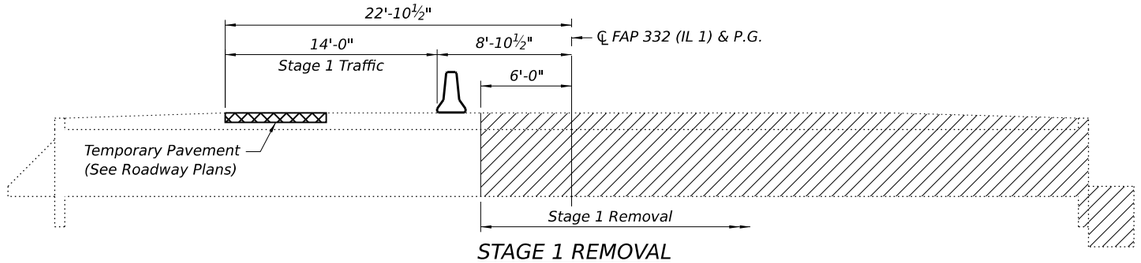
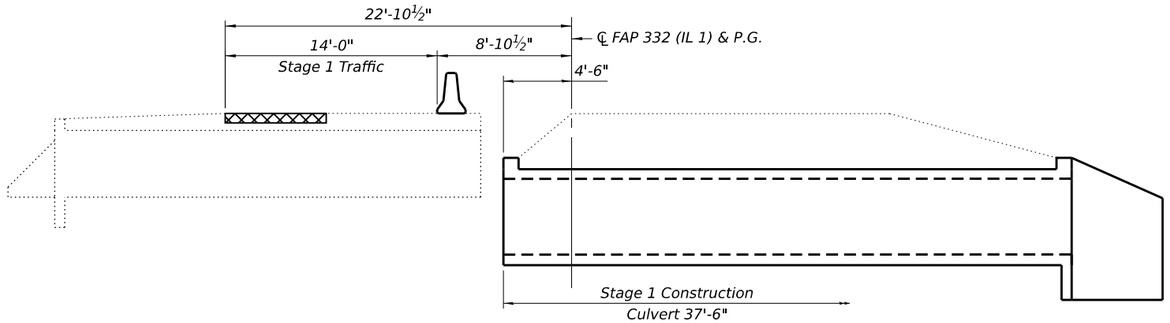


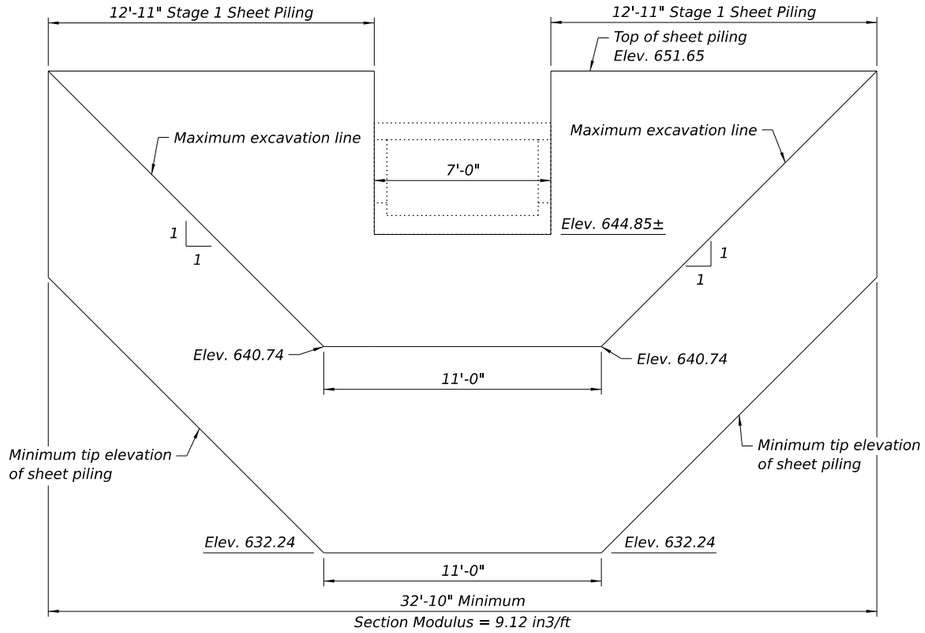
STAGE 1 REMOVAL

(Looking South)

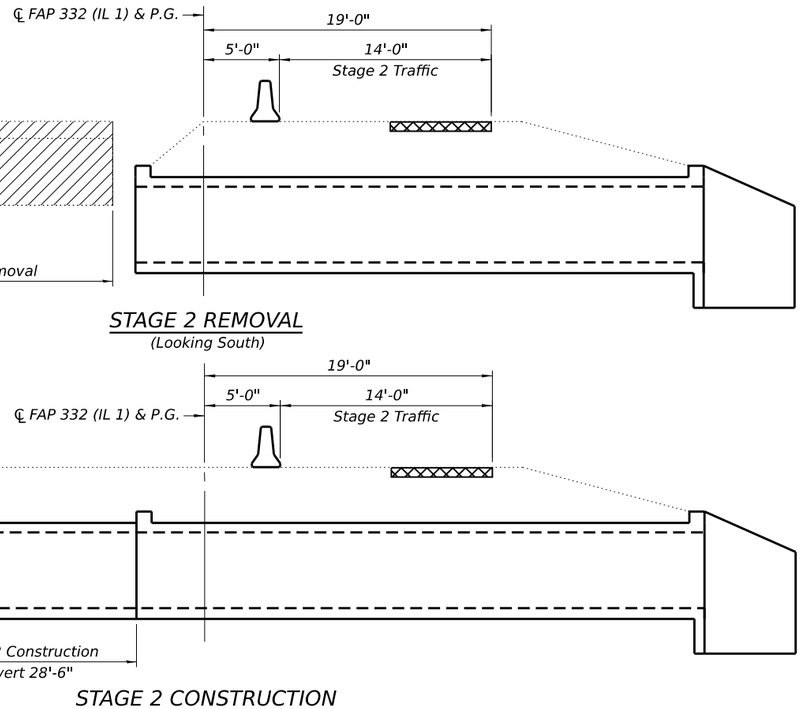


STAGE 1 CONSTRUCTION

(Looking South)



STAGE 1 TEMPORARY SHEET PILING

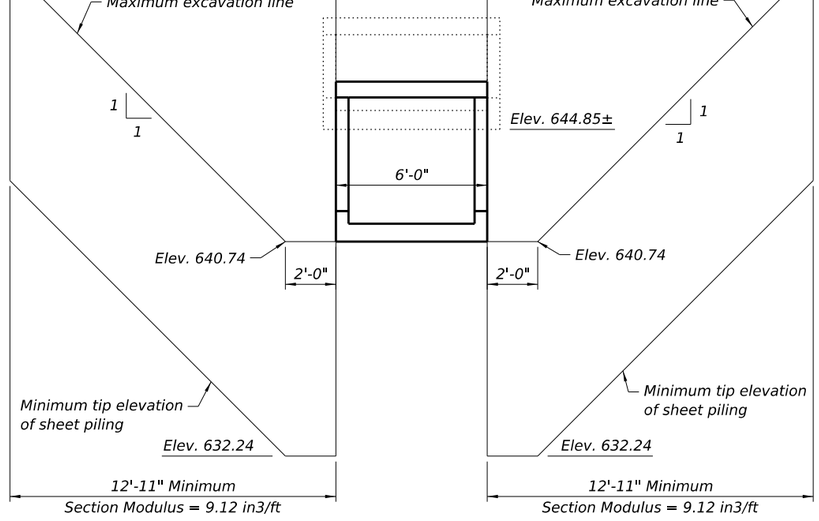


STAGE 2 REMOVAL

(Looking South)

STAGE 2 CONSTRUCTION

(Looking South)



STAGE 2 TEMPORARY SHEET PILING

Notes:

Hatched area indicates Removal of Existing Structures.

For details and quantity of Temporary Concrete Barriers, see Roadway Plans.

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations willl be required for review and acceptance by the Engineer.

EFK•Moen
Civil Engineering Design

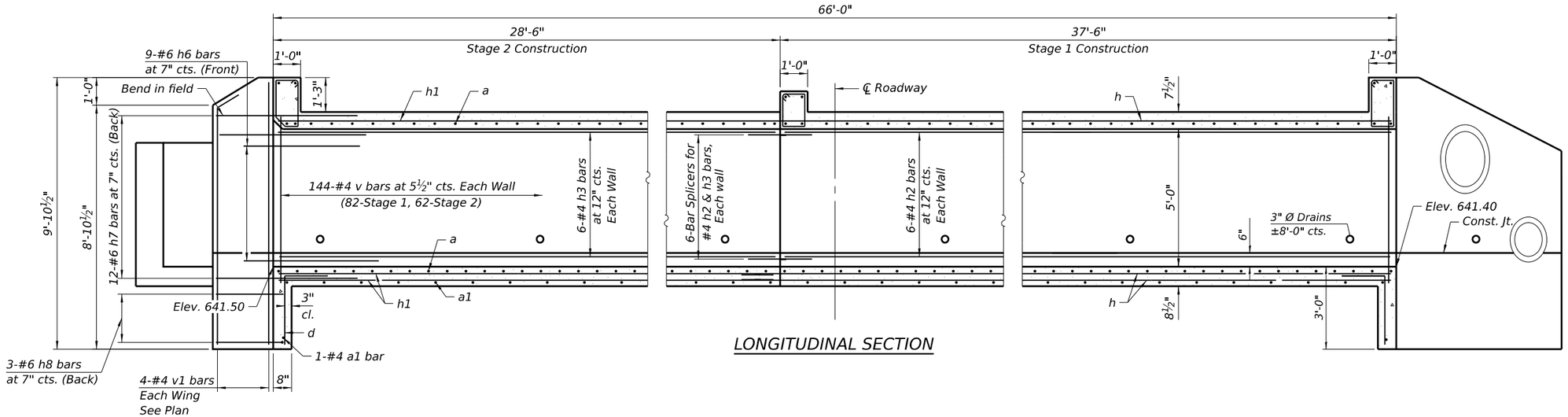
USER NAME = $USER$	DESIGNED - KRH	REVISED -	
	CHECKED - ACB	REVISED -	
PLOT SCALE =	DRAWN - KRH	REVISED -	
PLOT DATE = 10/30/2025	CHECKED - ACB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

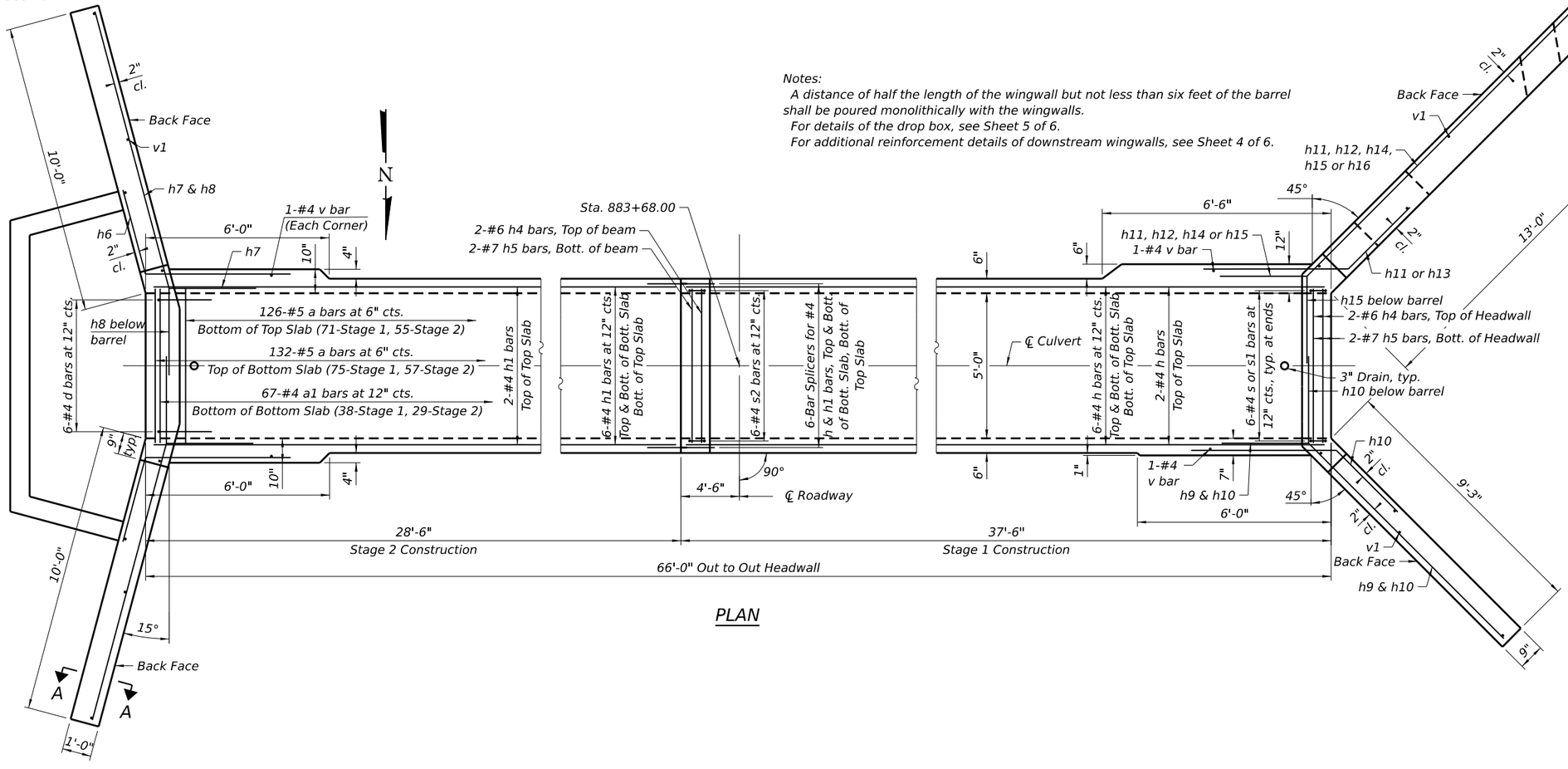
STAGE CONSTRUCTION DETAILS

SHEET 2 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	30
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		



LONGITUDINAL SECTION



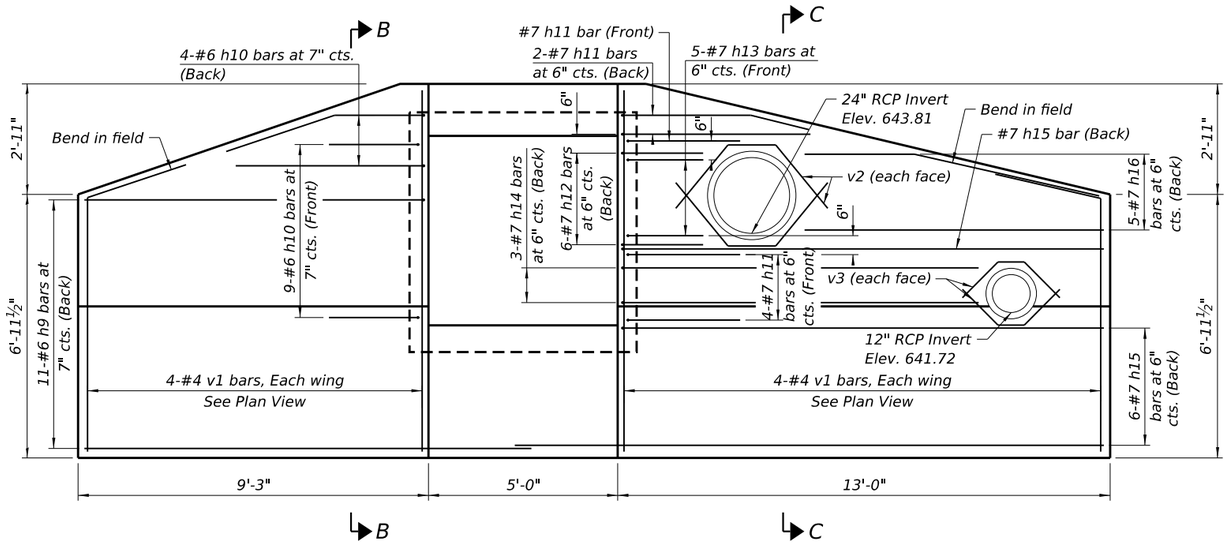
PLAN

Notes:

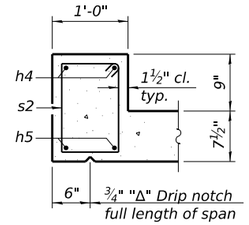
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

For details of the drop box, see Sheet 5 of 6.

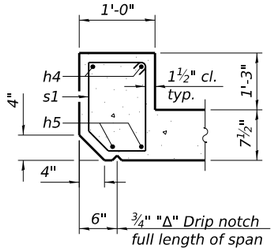
For additional reinforcement details of downstream wingwalls, see Sheet 4 of 6.



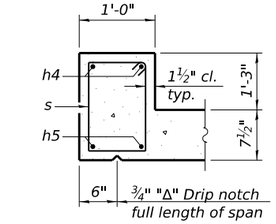
DOWNSTREAM WINGWALLS (UNFOLDED)



SECTION THRU HEADWALL AT STAGE LINE

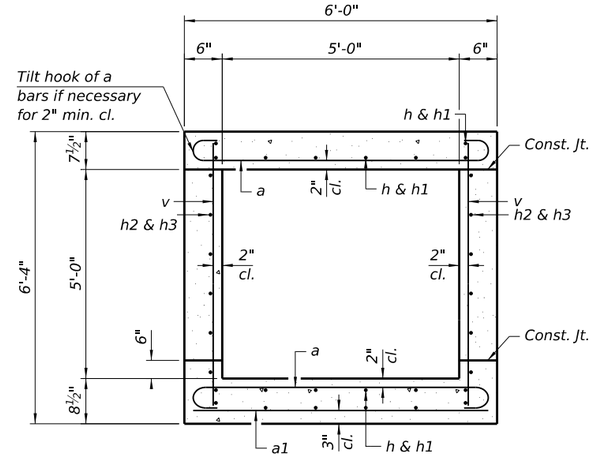


UPSTREAM

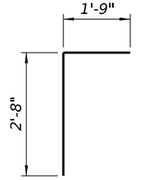


DOWNSTREAM

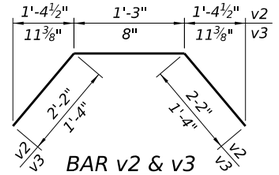
SECTION THRU HEADWALL AT ENDS



SECTION THRU BARREL



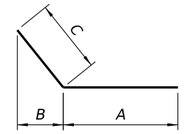
BAR d



BAR v2 & v3

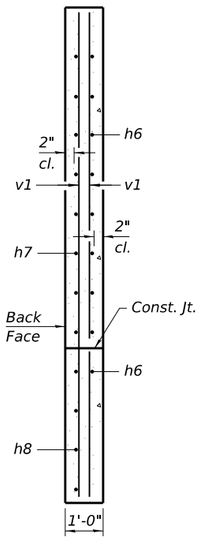
BILL OF MATERIAL

Bar	"A"	"B"	"C"
h6	5'-0"	9⅜"	3'-0"
h7	9'-8"	9⅜"	3'-0"
h8	9'-8"	2'-10¾"	3'-0"
h9	9'-6"	2'-1½"	3'-0"
h10	5'-0"	2'-1½"	3'-0"
h11	5'-0"	2'-1½"	3'-0"
h12	2'-6"	2'-1½"	3'-0"
h13	5'-0"	9⅞"	1'-2"
h14	10'-6"	2'-1½"	3'-0"
h15	13'-3"	2'-1½"	3'-0"

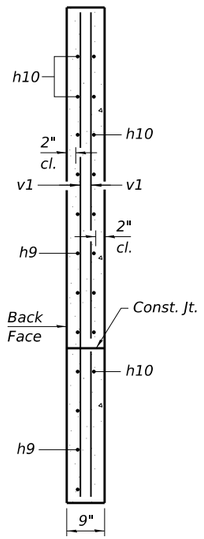


BARS h6 THRU h15

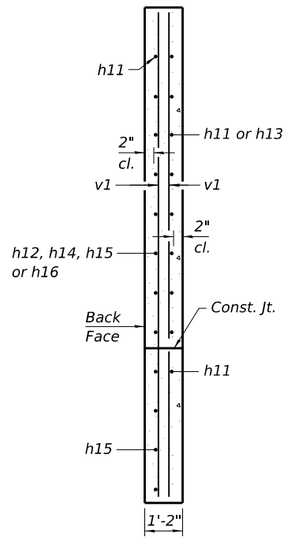
Bar	No.	Size	Length	Shape
a	258	#5	6'-10"	
a1	69	#4	5'-8"	
d	12	#4	4'-5"	
h	20	#4	37'-2"	
h1	20	#4	28'-2"	
h2	12	#4	37'-2"	
h3	12	#4	28'-2"	
h4	6	#6	5'-8"	
h5	6	#7	5'-8"	
h6	18	#6	8'-0"	
h7	24	#6	12'-8"	
h8	6	#6	12'-8"	
h9	11	#6	12'-6"	
h10	13	#6	8'-0"	
h11	7	#7	8'-0"	
h12	6	#7	5'-6"	
h13	5	#7	6'-2"	
h14	3	#7	13'-6"	
h15	7	#7	16'-3"	
h16	5	#7	7'-11"	
s	6	#4	5'-5"	
s1	6	#4	5'-3"	
s2	6	#4	4'-5"	
v	292	#4	6'-0"	
v1	16	#4	9'-6"	
v2	4	#7	5'-7"	
v3	4	#7	3'-4"	
Concrete Box Culverts			Cu. Yd.	48.8
Reinforcement Bars			Pound	6,850



SECTION A-A

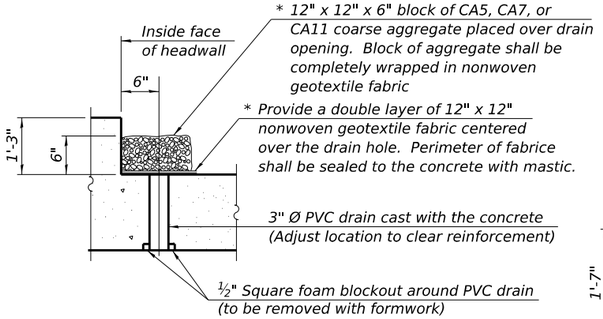


SECTION B-B



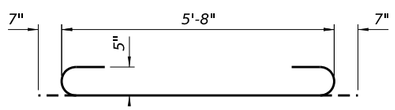
SECTION C-C

* 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.

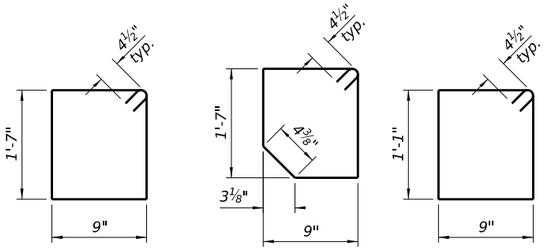


DRAIN DETAIL

(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.)



BAR a



BAR s BAR s1 BAR s2

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FILE NAME: O:\2022R3\IDOTCAD CONNECT\24006.05 IDOT D3 PTB 208-020 WO 05 IL 1 over Stream near US 24\CADD Data\Structures\Plotsheets\004-Culvert Detail.dgn
10/30/2025 8:56:39 AM

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USER NAME = $USER$	DESIGNED - KRH	REVISED -	
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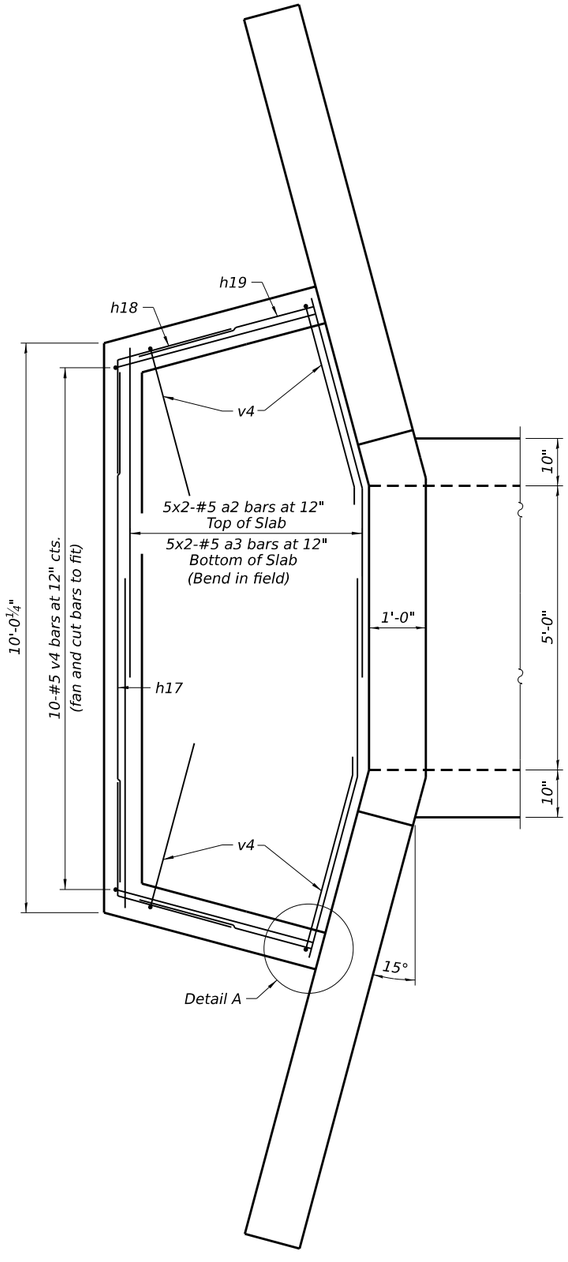
PLOT SCALE =	DRAWN - KRH	REVISED -	
PLOT DATE = 10/30/2025	CHECKED - ACB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

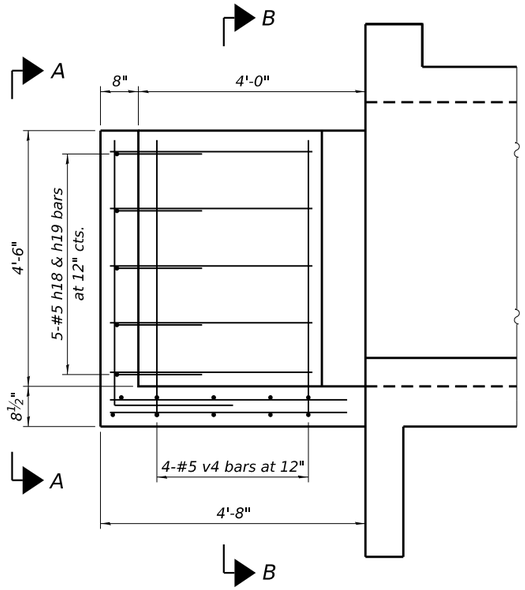
CULVERT DETAILS

SHEET 4 OF 7 SHEETS

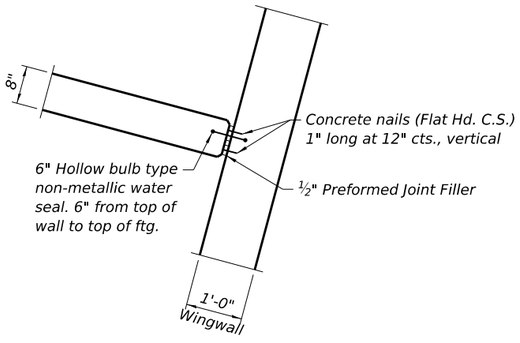
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	32
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		



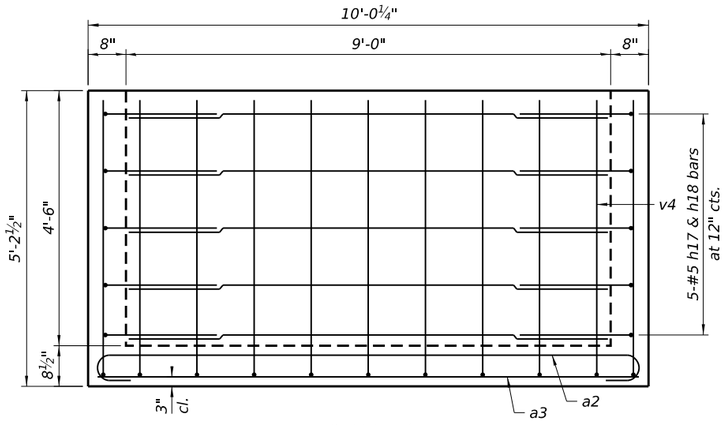
PLAN



LONGITUDINAL SECTION

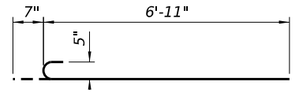


DETAIL A

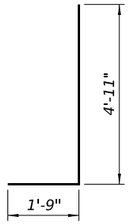


VIEW A-A

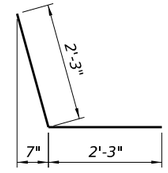
MIN. BAR LAP
#5 Bar = 1'-9"



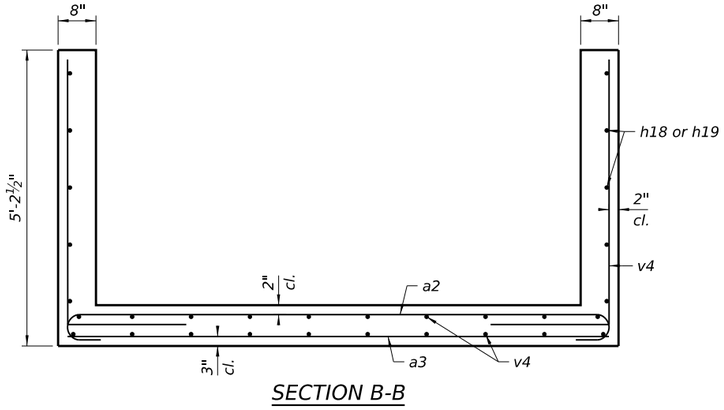
BAR a2



BAR v4



BAR h18



SECTION B-B

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a2	10	#5	7'-6"	
a3	10	#5	6'-11"	
h17	5	#5	9'-8"	
h18	10	#5	4'-6"	
h19	10	#5	4'-4"	
v4	18	#5	6'-8"	
Structure Excavation			Cu. Yd.	18
Concrete Structures			Cu. Yd.	3.2
Reinforcement Bars			Pound	420

Cut a3 bars to fit skew

MODEL: Default
FILE NAME: O:\2022R3\IDOT\CAD CONNECT\24006.05 IDOT D3 PTB 208-020 WO 05 IL 1 over Stream near US 24\CADD Data\Structures\Plotsheets\005-Culvert Dropbox Detail.dgn

8/10/2026 11:09:05 AM

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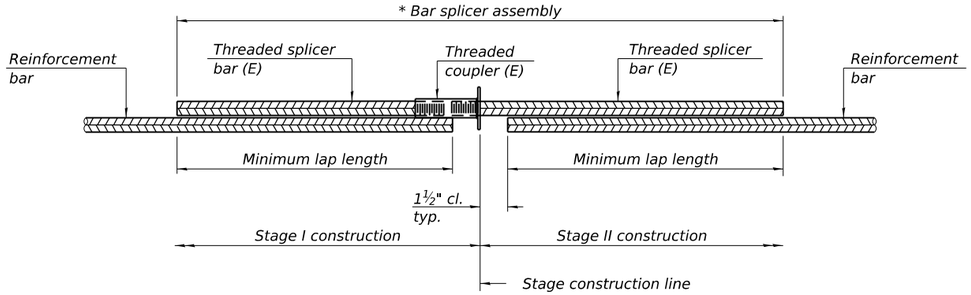
PLOT DATE = 8/10/2026	CHECKED - ACB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DROP BOX

SHEET 5 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	33
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		



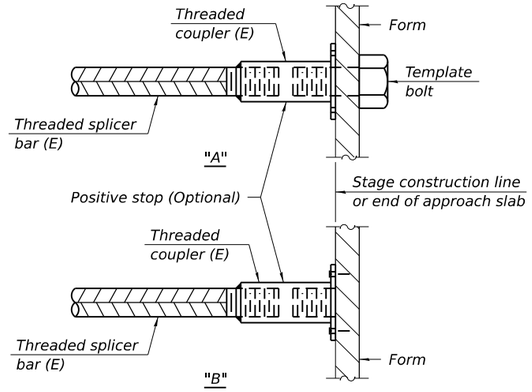
STANDARD BAR SPLICER ASSEMBLY PLAN

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

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

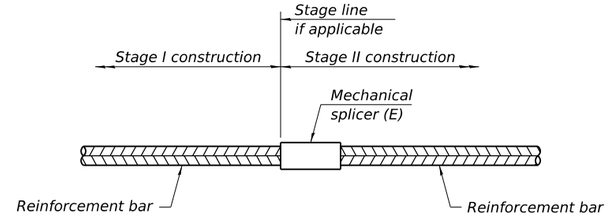
** Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.*

Location	Bar size	No. assemblies required	Minimum lap length
Top & Bottom Slab	#4	20	2'-5"
Walls	#4	12	2'-5"



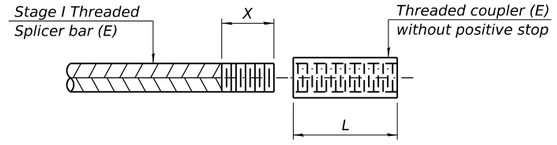
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



THREADING OF ASSEMBLIES

The threaded length "X" shall be no more than L/2. The bar should be tightened until 0-1 thread(s) is/are exposed.

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

BSD-1

4-4-2025

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PLOT DATE = 10/30/2025	CHECKED - ACB	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS

SHEET 6 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	34
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
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10/30/2025 8:56:47 AM

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 10/5/22

ROUTE FAP 332 (IL 1) **DESCRIPTION** IL 1 over a Stream, 0.3 miles South of US 24 **LOGGED BY** Larry Myers

SECTION (3)CR **LOCATION** NE 1/4, **SEC.** 3, **TWP.** 26N, **RNG.** 12W, 2nd **PM**,
Latitude 40.77097, **Longitude** -87.69577

COUNTY Iroquois **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** CME Automatic

STRUCT. NO. 038-2517 (Exist.)
Station 883+68

BORING NO. 1 (NW Quad)
Station 883+51
Offset 18.2 ft Rt.
Ground Surface Elev. 650.74 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Shoulder Stone, Black and Brown Silty Clay Loam/Silty Loam				
	648.24			
Very Stiff Dark Brown Silty Clay Loam/Silty Loam with Silty Layers - Fill		4		
		4 5	2.0 P	20
	646.24			
Medium Gray and Brown Silty Clay/Silty Loam Loess	-5	2		
		2 2	0.5 P	17
	643.74			
Stiff Brown and Gray Silty Clay Loam Till		2		
		2 2	1.5 P	16
	641.24			
Stiff Gray Silty	-10	1		
		2 4	1.5 P	16
		5		
		5 6	1.5 P	24
	635.74	-15		
Stiff Gray Silty Clay with Silt Layers and Seams		2		
		2 4	2.0 P	22
		2		
		3 5	2.0 P	22
	-20			
Stiff Gray Silty Clay with Silt Layers and Seams *(continued)*		3		
		3 5	2.0 P	25
	628.24			
Stiff Gray Silt		8		
		16 16	1.5 P	19
	-25			
		11		
		18 26	2.0 P	16
		12		
		16 28	2.0 P	17
	-30			
		10		
		16 27	2.0 P	18
	619.24			
End of Boring				
	-35			
	-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)

SOIL BORING 038-2517.GPJ IL_DOT.GDT 10/14/22

MODEL: Default
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10/30/2025 8:56:51 AM

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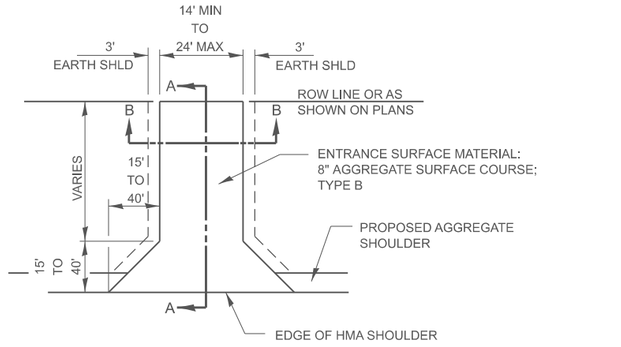
PLOT DATE = 10/30/2025	CHECKED - ACB	REVISED -	

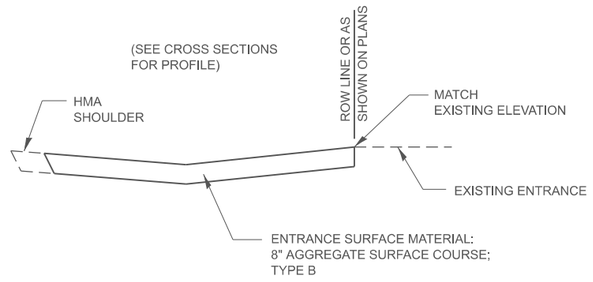
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

SHEET 7 OF 7 SHEETS

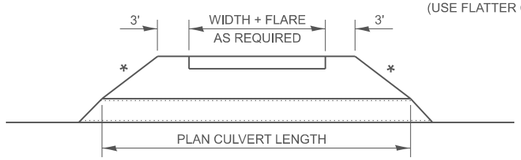
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	35
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		





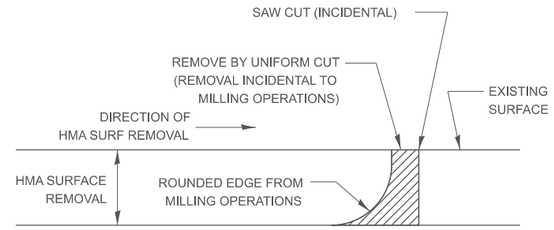
SECTION A-A

* USE 1V:6H SLOPE OR MATCH
EXIST FORESLOPE
(USE FLATTER OF TWO.)



SECTION B-B

FIELD ENTRANCE DETAIL



NOTE:

WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
THEN A SAW CUT SHALL BE USED TO MANUFACTURE
A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
THE ENGINEER SHALL BE THE SOLE JUDGE
CONCERNING THE USE OF THIS DETAIL

HMA BUTT JOINT SAW CUTS

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Civil Engineering Design

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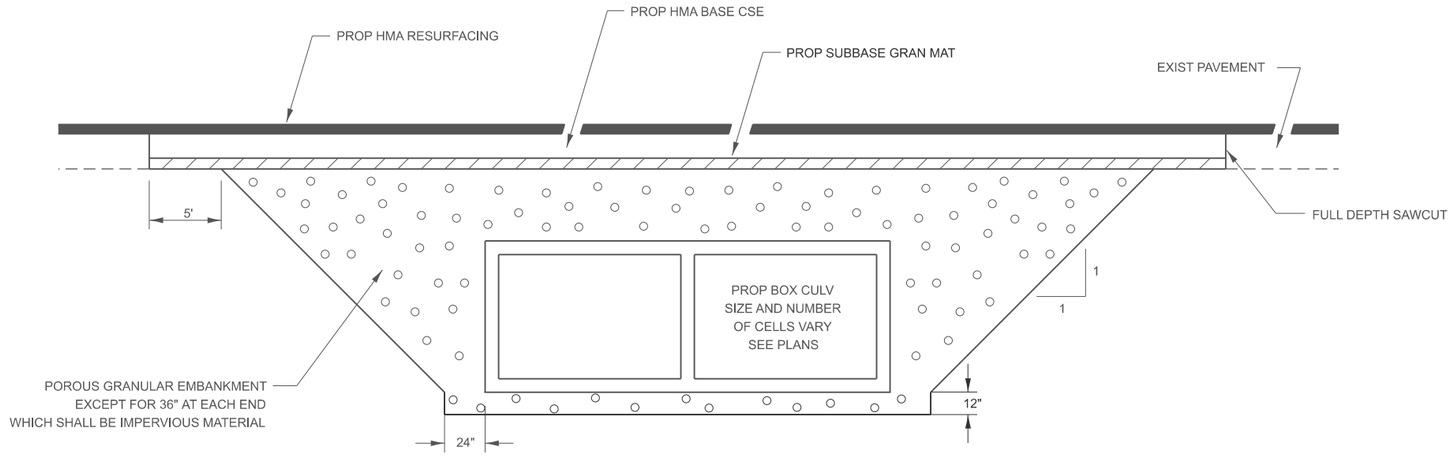
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 3 STANDARD DETAILS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: NONE | SHEET 1 OF 5 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	36
		CONTRACT NO. 66B81		
		ILLINOIS FED. AID PROJECT		



SECTION THROUGH CAST-IN-PLACE BOX CULVERT

MODIFIED

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Civil Engineering Design

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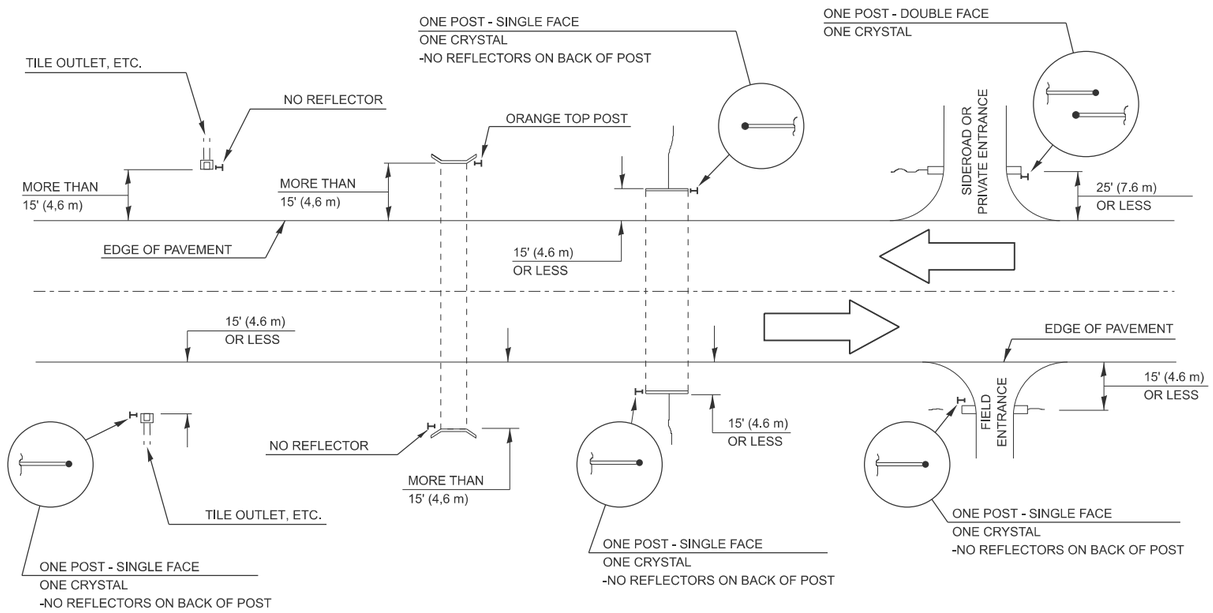
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 3 STANDARD DETAILS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: NONE | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	37
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			

IDENTIFICATION OF ROADSIDE HAZARDS FOR TWO-LANE ROADWAYS



NOTE:

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE THERE IS NO GUARDRAIL, OR OTHER PERMANENT BARRIER, ON THE SAME SIDE OF THE ROAD AS THE HAZZARD.

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE DELINEATORS ARE NOT IN PLACE ALONG THE EDGE OF SHOULDER.

EACH POST SHALL BE CONSIDERED AS ONE DELINEATOR FOR PAYMENT, REGUARDLESS OF THE NUMBER OF DELINEATORS ATTACHED TO IT.

FOR ONE-WAY AND INTERSTATE ROADWAYS THE APPLICATION SHALL BE SIMILAR WITH DELINEATORS PLACED ON THE TRAFFIC APPROACH SIDE OF HAZARDS AND OBJECTS, ONLY SINGLE FACE DELINEATORS WILL BE REQUIRED ON ONE-WAY ROADWAYS, CRYSTAL ON THE RIGHT SIDE AND AMBER ON THE LEFT SIDE.

FOR OTHER DELINEATOR APPLICATIONS, REFER TO HIGHWAY STANDARD 635001.

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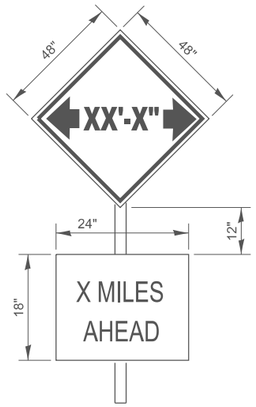
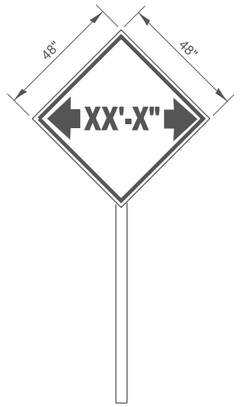
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 3 STANDARD DETAILS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: NONE | SHEET 3 OF 5 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	38
		CONTRACT NO. 66B81		
		ILLINOIS FED. AID PROJECT		

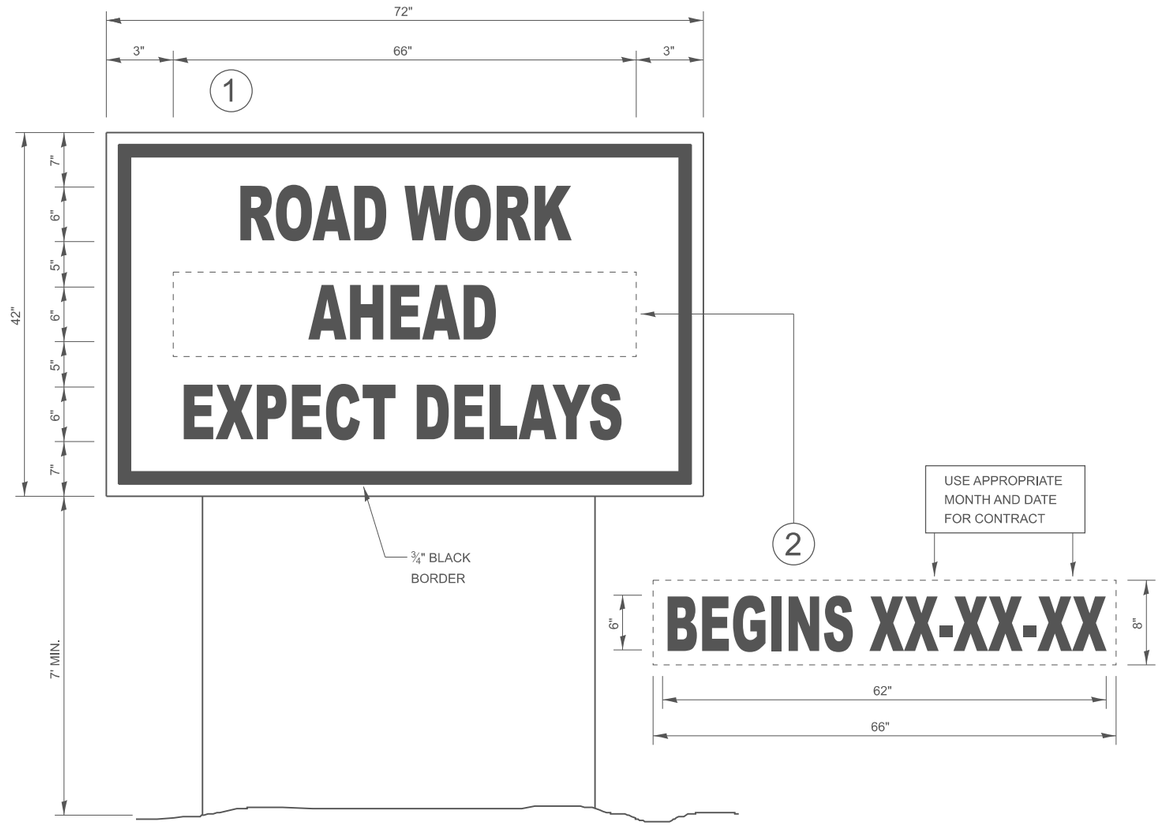




TO BE POST MOUNTED AS SHOWN ELSEWHERE IN THE PLANS.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

WIDTH RESTRICTION SIGNING DETAILS



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN①WITH INSTALLED PANEL②A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL②ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL②WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

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Civil Engineering Design

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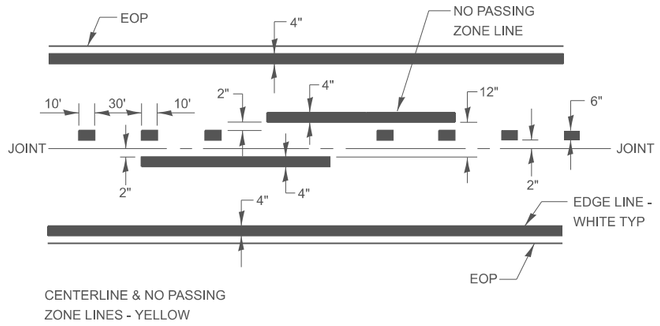
	CHECKED -	REVISED -	
PLOT DATE = 5/26/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

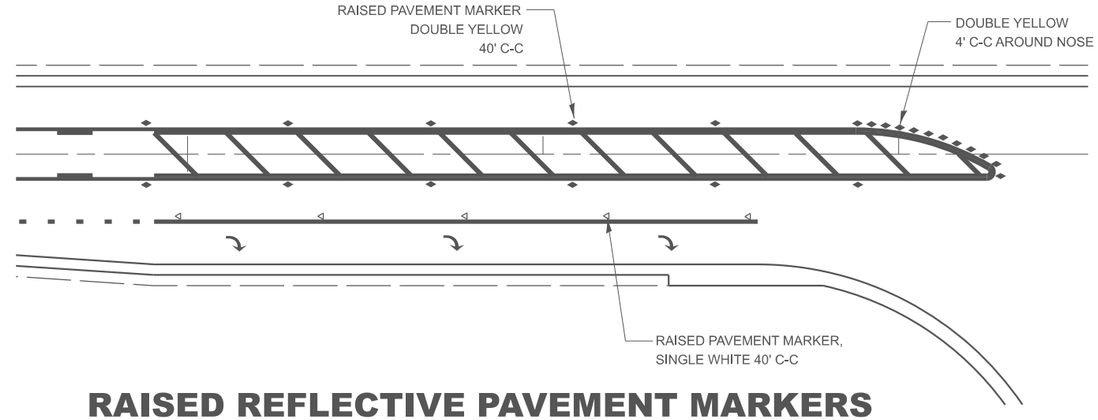
DISTRICT 3 STANDARD DETAILS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: NONE | SHEET 4 OF 5 SHEETS | STA. | TO STA.

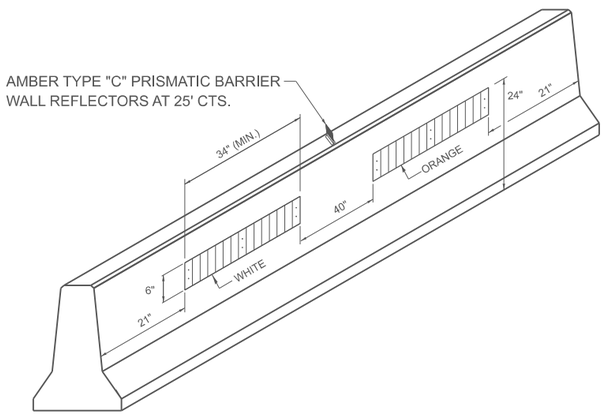
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	39
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING



RAISED REFLECTIVE PAVEMENT MARKERS @ RIGHT TURN LANE



LINEAR DELINEATOR PANELS FOR TEMPORARY CONCRETE BARRIER

MODEL: Detail05 [Sheet]
FILE NAME: C:\2022R3\IDOTCAD CONNECT\24006.05 IDOT D3 PTB 208-020 WO 05 IL 1 over Stream near US 24\CADD Data\CADSheets\D366B81-sht-Detail.dgn

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Civil Engineering Design

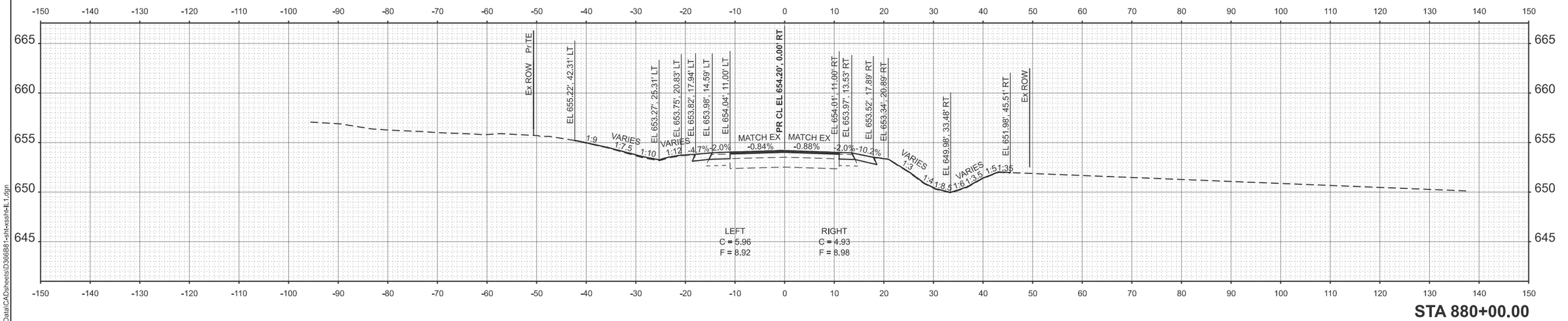
USER NAME = jkratz	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 5/26/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

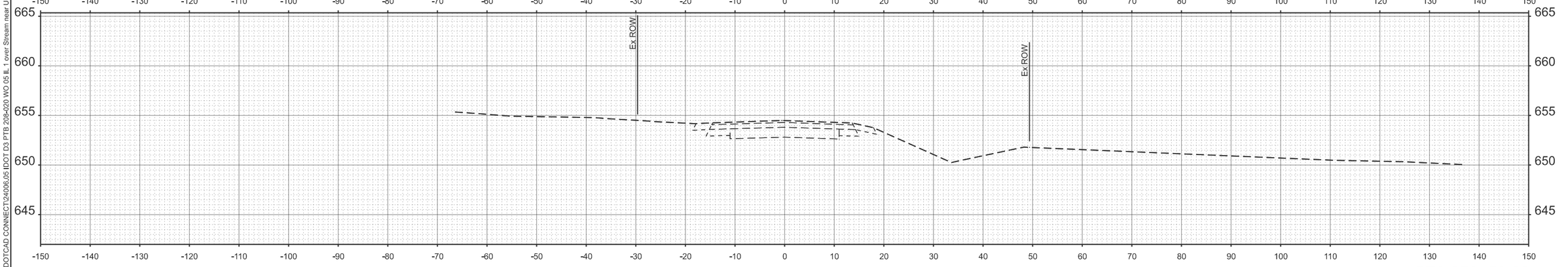
DISTRICT 3 STANDARD DETAILS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: NONE | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	40
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			



STA 880+00.00



STA 879+50.00

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EFK•Moen
Civil Engineering Design

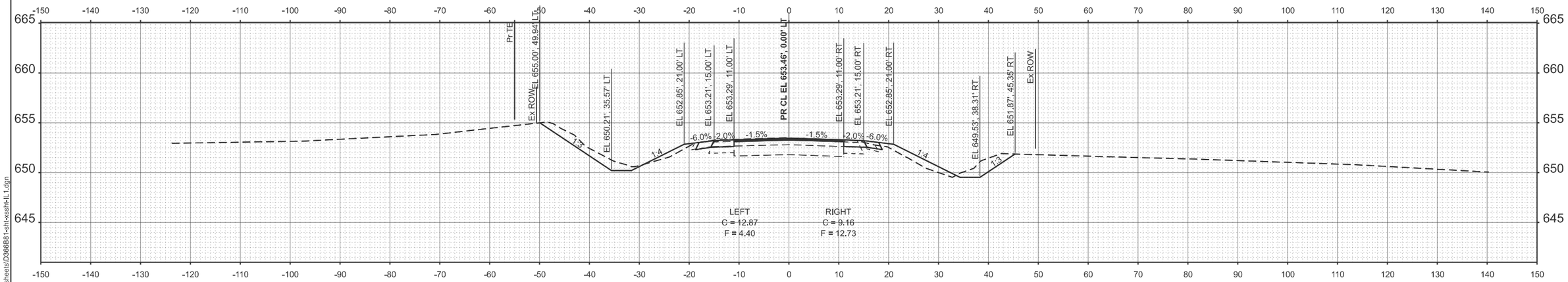
USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 6/10/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 10'H:5'V | SHEET 1 OF 8 SHEETS | STA. 879+50.00 | TO STA. 880+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	41
		CONTRACT NO. 66B81		
		ILLINOIS FED. AID PROJECT		



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EFK•Moen
Civil Engineering Design

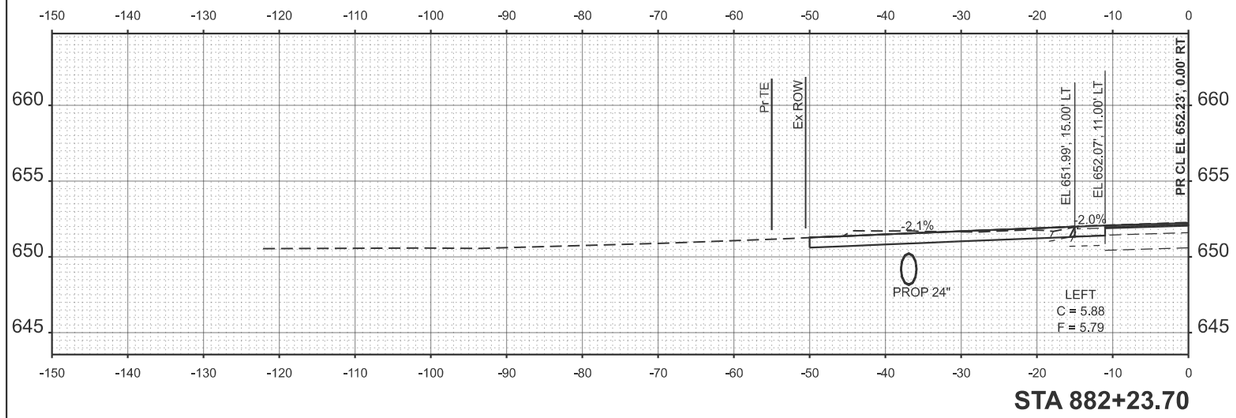
USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 6/9/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

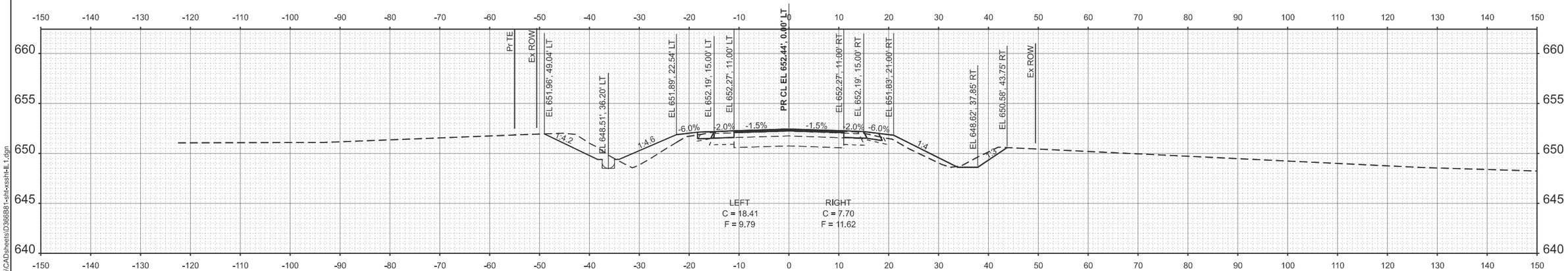
CROSS SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 10'H:5'V | SHEET 2 OF 8 SHEETS | STA. 880+50.00 TO STA. 881+00.00

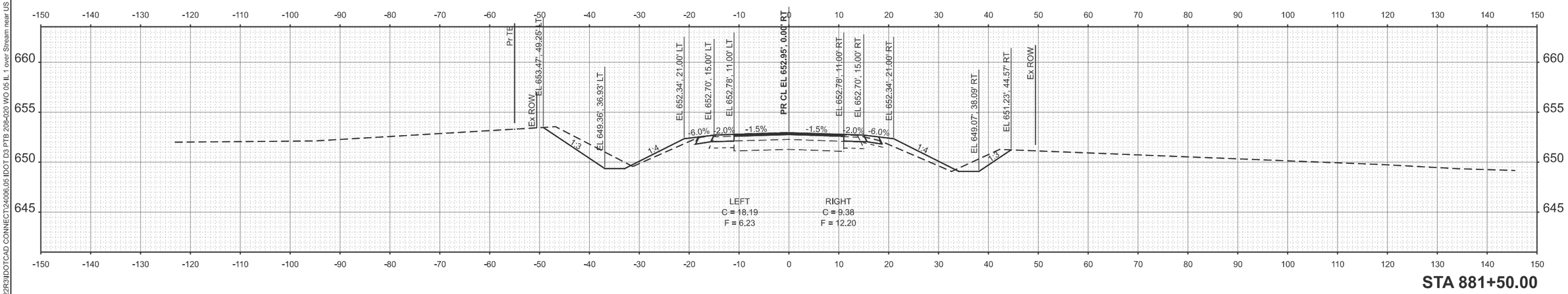
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	42
		CONTRACT NO. 66B81		
		ILLINOIS FED. AID PROJECT		



STA 882+23.70



STA 882+00.00



STA 881+50.00

MODEL: XSC03
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EFK•Moen
Civil Engineering Design

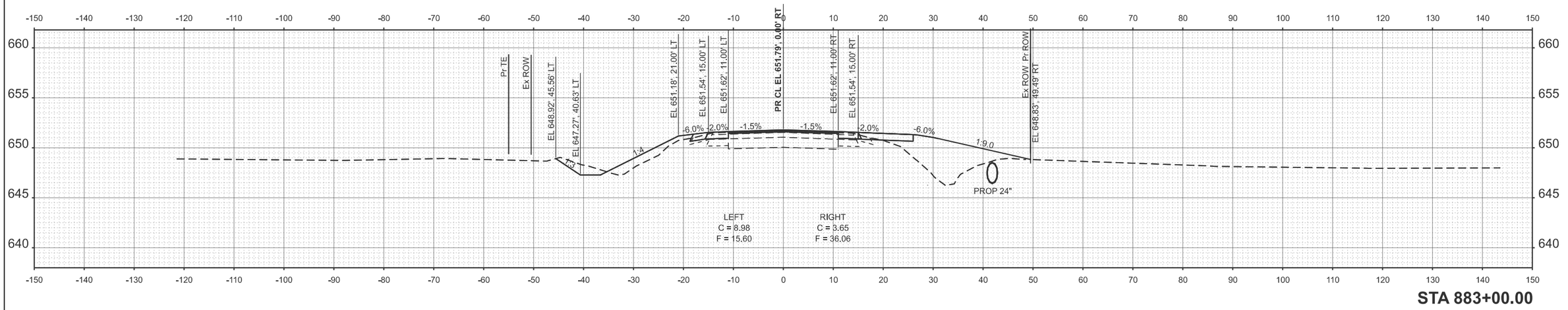
USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 6/9/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

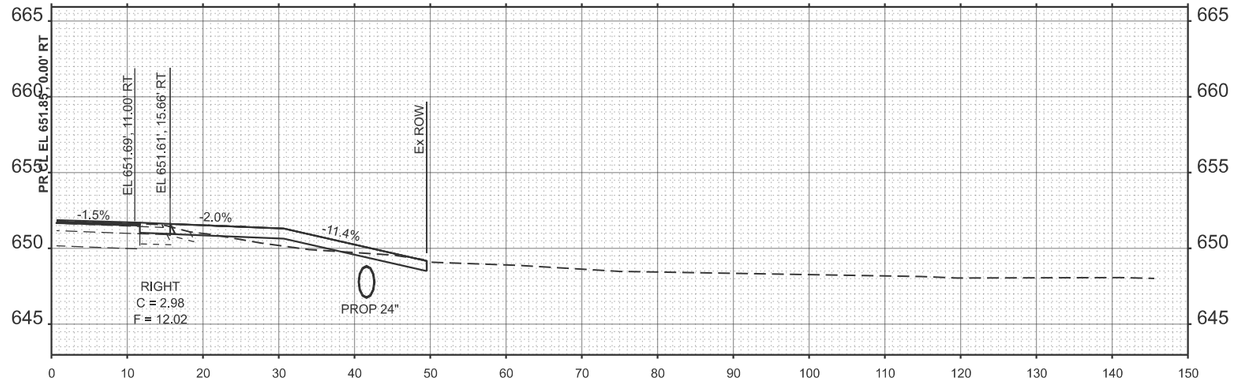
CROSS SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 10'H:5'V | SHEET 3 OF 8 SHEETS | STA. 881+50.00 | TO STA. 882+23.70

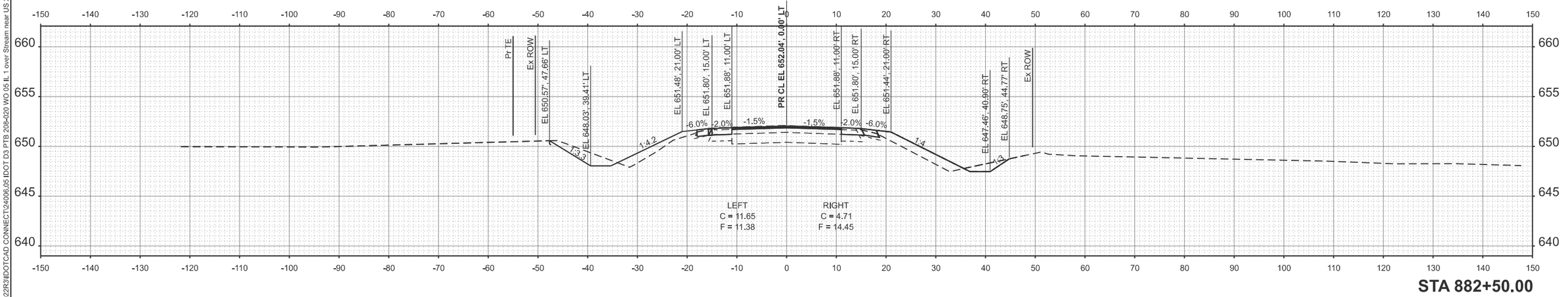
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	43
		CONTRACT NO. 66B81		
		ILLINOIS FED. AID PROJECT		



STA 883+00.00



STA 882+84.00



STA 882+50.00

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EFK•Moen
Civil Engineering Design

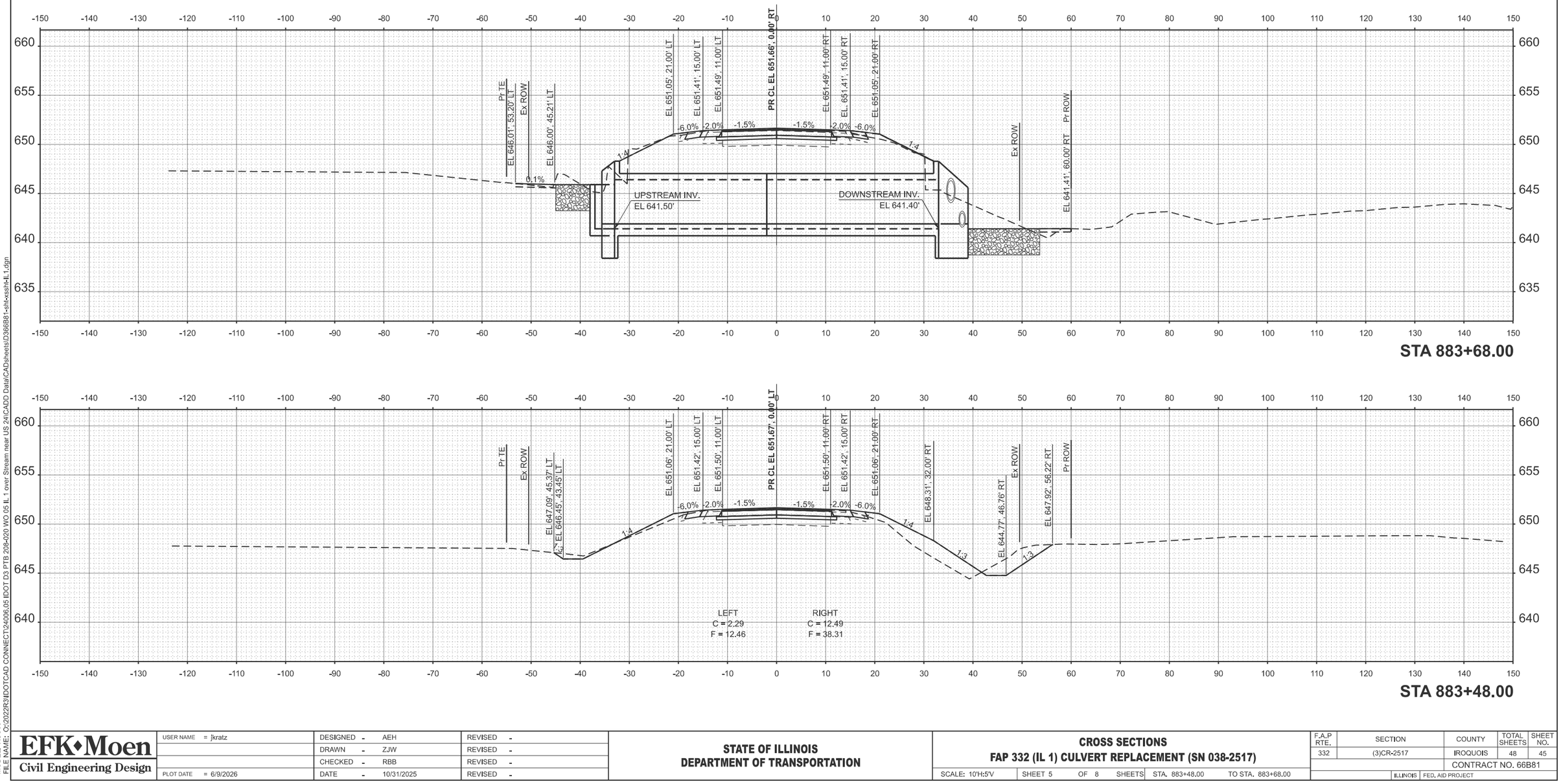
USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 6/9/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 10'H:5'V | SHEET 4 OF 8 SHEETS | STA. 882+50.00 | TO STA. 883+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	44
		CONTRACT NO. 66B81		
	ILLINOIS	FED. AID PROJECT		



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EFK•Moen
Civil Engineering Design

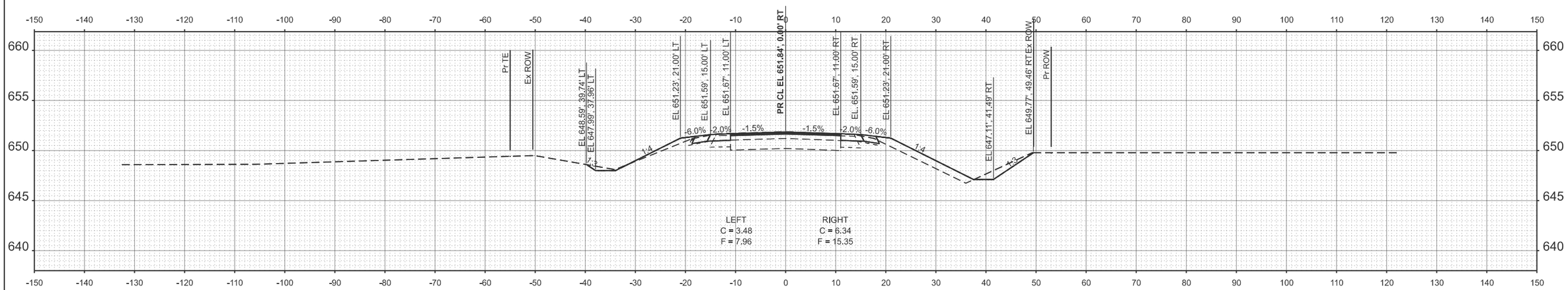
USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 6/9/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

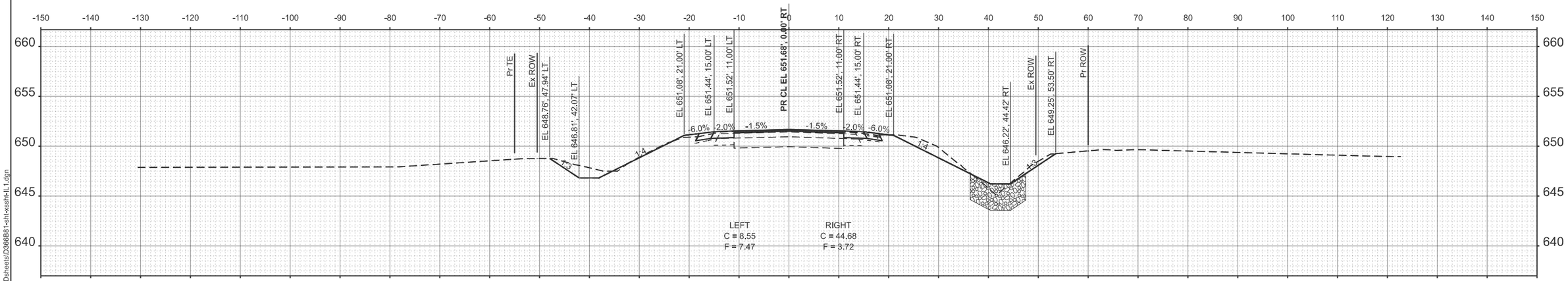
CROSS SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 10'H:5'V | SHEET 5 OF 8 SHEETS | STA. 883+48.00 | TO STA. 883+68.00

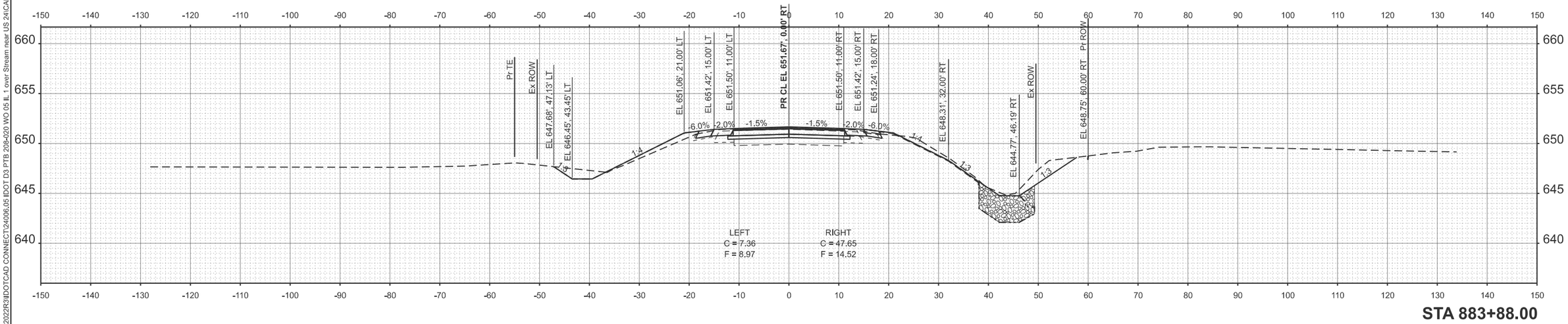
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	45
		CONTRACT NO. 66B81		
		ILLINOIS	FED. AID PROJECT	



STA 884+50.00



STA 884+00.00



STA 883+88.00

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EFK•Moen
Civil Engineering Design

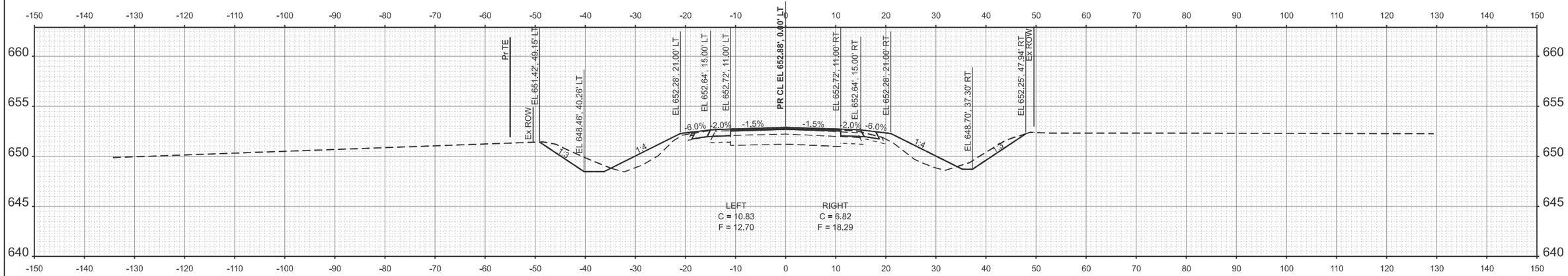
USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 5/26/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

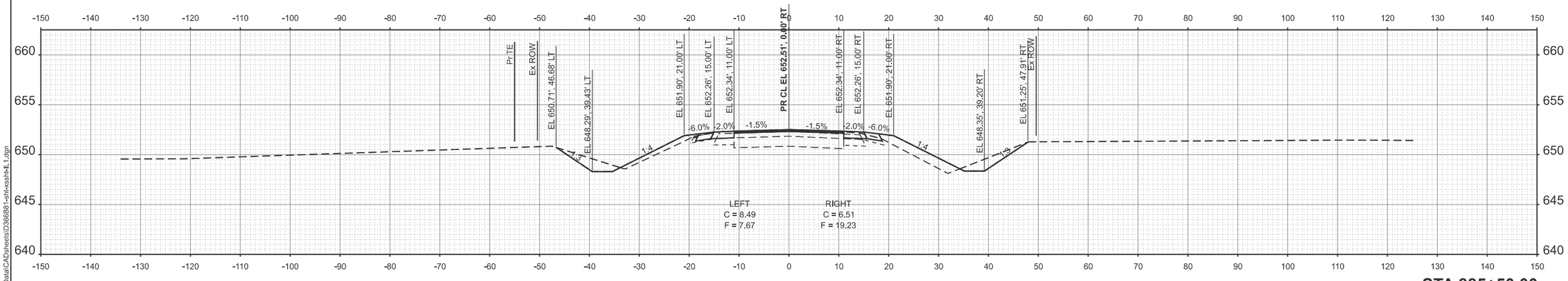
CROSS SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 10'H:5'V | SHEET 6 OF 8 SHEETS | STA. 883+88.00 | TO STA. 884+50.00

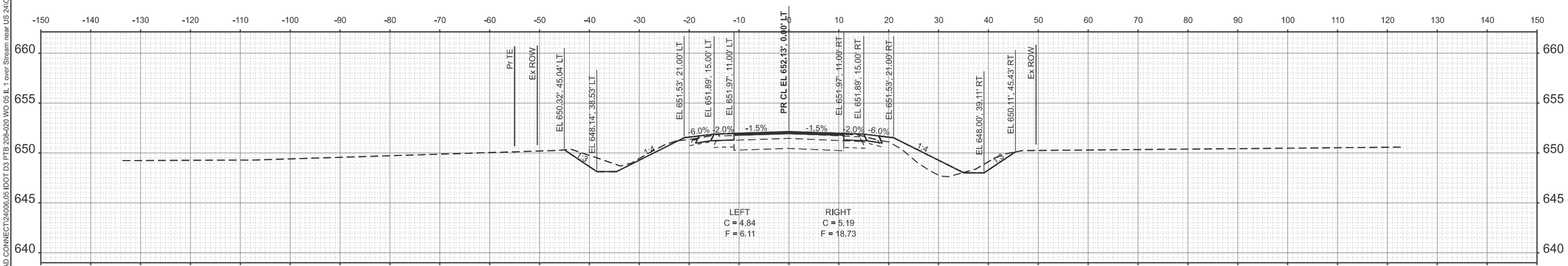
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	46
		CONTRACT NO. 66B81		
		ILLINOIS	FED. AID PROJECT	



STA 886+00.00



STA 885+50.00



STA 885+00.00

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EFK•Moen
Civil Engineering Design

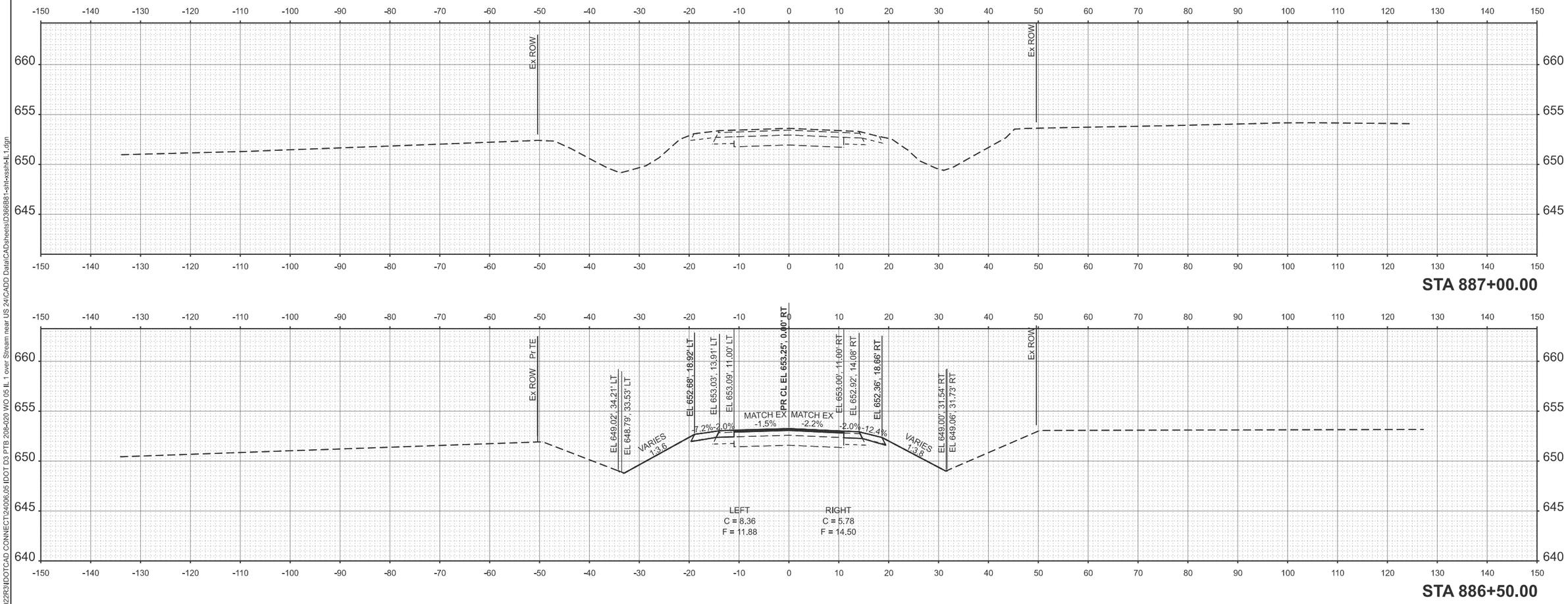
USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 5/26/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 10'H:5'V | SHEET 7 OF 8 SHEETS | STA. 885+00.00 | TO STA. 886+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	47
		CONTRACT NO. 66B81		
		ILLINOIS	FED. AID PROJECT	



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EFK♦Moen
Civil Engineering Design

USER NAME = jkratz	DESIGNED - AEH	REVISED -	
	DRAWN - ZJW	REVISED -	
	CHECKED - RBB	REVISED -	
PLOT DATE = 5/26/2026	DATE - 10/31/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FAP 332 (IL 1) CULVERT REPLACEMENT (SN 038-2517)

SCALE: 10'H:5'V | SHEET 8 OF 8 SHEETS | STA. 886+50.00 | TO STA. 887+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(3)CR-2517	IROQUOIS	48	48
		CONTRACT NO. 66B81		
	ILLINOIS FED. AID PROJECT			