

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1;125CR-2	SALINE	47	1
ILLINOIS CONTRACT NO. 78A98				

D-99-004-25

TOWNSHIPS
ELDORADO

TRAFFIC DATA:
FAP 776 (IL 142)
MINOR ARTERIAL
ADT = 3,020 (2027)
3,680 (2047)
TRUCK = 12%
MU = 7.8%
SU = 4.8%

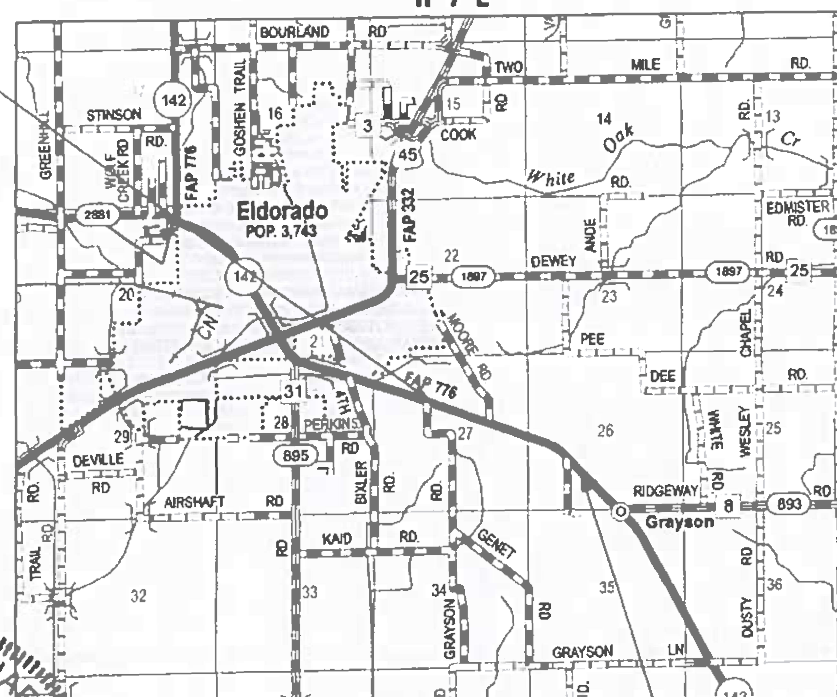
POSTED SPEED: 55 MPH

PROPOSED HIGHWAY PLANS

FAP ROUTE 776 (IL 142)
SECTION 125CR-1;125CR-2
PROJECT STP-KSGV(288)
CULVERT REPLACEMENTS
SALINE COUNTY

C-99-031-25

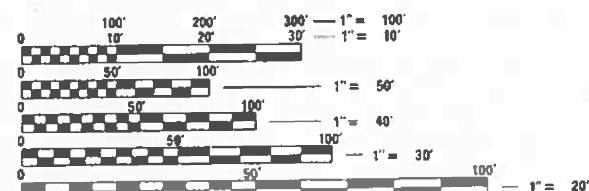
BEGIN STA. 69+38.00
EXISTING S.N. 083-7053
PROPOSED S.N. 083-7110
STA. 69+68.00
PROPOSED SINGLE 7'x4' PRECAST
CONCRETE BOX CULVERT
LENGTH IS 66'-3"
END STA. 69+98.00



LOCATION MAP

GROSS / NET LENGTH = 160.0 FT. = 0.030 MILE

BEGIN STA. 124+59.20
EXISTING S.N. 083-7054
PROPOSED S.N. 083-7111
STA. 100+08.00
PROPOSED SINGLE 4'x4' PRECAST
CONCRETE BOX CULVERT
LENGTH IS 93'-4"
END STA. 100+60.00

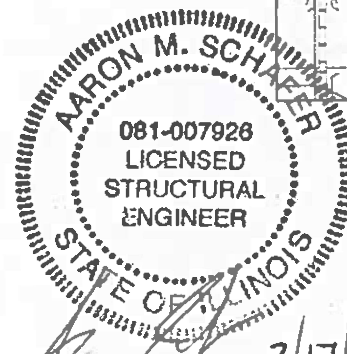


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: KLINGNER & ASSOCIATES, P.C.
PROJECT MANAGER: EHREN KIRBY

CONTRACT NO. 78A98



AARON M. SCHAFER
REGISTERED STRUCTURAL ENGINEER
STATE OF ILLINOIS NO. 081-007926
LICENSE EXPIRES NOVEMBER 30, 2026

2/17/2026



LOCATION OF SECTION INDICATED THUS: -

**KLINGNER
& ASSOCIATES, P.C.**

Engineers • Architects • Surveyors
2150 W MAIN ST. CARBONDALE, ILLINOIS 62901 618.331.4050
STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Feb 18 20 26
Lora S. Renner
REGIONAL ENGINEER
August 14 20 26
Scott A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT
August 14 20 26
John J. Kirby
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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KLINGNER
& ASSOCIATES, P.C.
Engineers • Architects • Surveyors
610 N. 24TH ST., QUINCY, ILLINOIS 62417-2233-3618
STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

USER NAME

• aschafer

DESIGNED

AMS

DRAWN

AMS

CHECKED

EBB

DATE

1/9/2026

REVISIONS

REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 776 (IL 142)
SIGNATURE SHEET

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	2
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

Prepared By: Susan Poe
DISTRICT STUDIES & PLANS ENGINEER

Examined By: N. Haffel
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Con M
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: RGO
DISTRICT OPERATIONS ENGINEER

Examined By: _____
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: B. Smith
DISTRICT CONSTRUCTION ENGINEER

Examined By: Ann Hays
DISTRICT MATERIALS ENGINEER

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-11	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
483001-06	PCC SHOULDER
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
666001-01	RIGHT OF WAY MARKERS
701001-02	OFF-RD OPERATIONS 2L 2W MORE THAN 15FT
701006-05	OFF-RD OPERATIONS 2L 2W 15' TO 24' FROM PAVEMENT EDGE
701011-04	OFF-RD OPERATIONS 2L 2W DAY ONLY
701201-05	LANE CLOSURE, 2L 2W, DAY ONLY 45MPH OR MORE
701301-04	LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS
701316-14	LANE CLOSURE, 2L2W, BRIDGE REPAIR
701901-11	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKING
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
BLR21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION OF RURAL LOCAL HIGHWAYS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
4-7	SUMMARY OF QUANTITIES
8-9	SCHEDULE OF QUANTITIES
10	ALIGNMENT
11	SN 083-7110 TYPICAL SECTIONS
12	SN 083-7110 PLAN AND PROFILE SHEET
13	SN 083-7110 DETOUR SIGNING
14-15	SN 083-7110 STAGE CONSTRUCTION
16	SN 083-7110 ROW PLANS
17-23	SN 083-7110 CULVERT PLANS
24-25	SN 083-7110 EXISTING PLANS
26-28	SN 083-7110 CROSS SECTIONS
29	SN 083-7111 TYPICAL SECTIONS
30	SN 083-7111 PLAN AND PROFILE SHEET
31	SN 083-7111 DETOUR SIGNING
32-33	SN 083-7111 STAGE CONSTRUCTION
34-40	SN 083-7111 CULVERT PLANS
41-42	SN 083-7111 EXISTING PLANS
43-45	SN 083-7111 CROSS SECTIONS
46-47	DISTRICT 9 DETAILS

GENERAL NOTES

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND WILL BE USED FOR THE BASIS OF FINAL QUANTITIES.

ALL AGGREGATE:	2.05 TONS / CU. YD.
ROCK FILL :	1.50 TONS / CU YD
EARTH:	110 LBS / CU FT

AT ALL LOCATIONS WHERE THE PROPOSED CONCRETE PAVEMENT JOINS AN EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

REMOVAL OF ABANDONED UTILITIES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

COMMITMENTS:

NONE

REV - MS

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FILE NAME: P:\CarbonData\24files\247032 IDOT Dist 9 FTB 212-04\Work Order 05 - IL 142 Box Culverts\Transportation\CADD Sheets\78A98_sht_Index.dgn

KLINGNER & ASSOCIATES, P.C. Engineers • Architects • Surveyors 616 N. 24TH ST. QUINDY, ILLINOIS 62301 217.223.9676 STATE OF ILLINOIS DESIGN FIRM NO. 184-2738	USER NAME = aschafer	DESIGNED AMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. 776 (IL 142) INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN AMS	REVISED -					776	125CR-1; 125CR-2	SALINE	47	3
		CHECKED EBB	REVISED -		CONTRACT NO. 78A98							
	PLOT DATE = 3/18 2 06	DATE 1/9/2026	REVISED -		SCALE: N/A	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SALINE COUNTY	
				F.A.P. 776 (IL 142)	
				SALINE COUNTY	
				RURAL	RURAL
				004	004
				S.N. 083-7110	S.N. 083-7111
20200100	EARTH EXCAVATION	CU YD	340	205	135
20700220	POROUS GRANULAR EMBANKMENT	CU YD	746	280	466
20800150	TRENCH BACKFILL	CU YD	21	21	
25000200	SEEDING, CLASS 2	ACRE	0.25	0.1	0.15
25000350	SEEDING, CLASS 7	ACRE	0.25	0.1	0.15
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	18	27
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	9	14
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	9	14
25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.5	0.2	0.3
25100115	MULCH, METHOD 2	ACRE	0.25	0.1	0.15
25100630	EROSION CONTROL BLANKET	SQ YD	225	75	150
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50	20	30
28000400	PERIMETER EROSION BARRIER	FOOT	300	100	200
28000500	INLET AND PIPE PROTECTION	EACH	1	1	

KLINGNER
& ASSOCIATES, P.C.

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616 N.24TH ST. QUINCY, ILLINOIS 62301 217.223.3670
STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

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	DRAWN AMS	REVISED -
	CHECKED EBB	REVISED -
PLOT DATE = 3/9/2026	DATE 1/9/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 776 (IL 142)
SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CCR-1; 125CR-2	SALINE	47	4
CONTRACT NO. 78A98				
ILLINOIS		FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SALINE COUNTY	
				F.A.P. 776 (IL 142)	
				SALINE COUNTY	
				RURAL	RURAL
				004	004
				S.N. 083-7110	S.N. 083-7111
28100107	STONE RIPRAP, CLASS A4	SQ YD	148	86	62
28200200	FILTER FABRIC	SQ YD	148	86	62
35101400	AGGREGATE BASE COURSE, TYPE B	TON	4	4	
42000060	WELDED WIRE REINFORCEMENT	SQ YD	463	174	289
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	161	161	
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	463	174	289
42001300	PROTECTIVE COAT	SQ YD	716	360	356
44000100	PAVEMENT REMOVAL	SQ YD	624	335	289
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	92	25	67
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		1
50105220	PIPE CULVERT REMOVAL	FOOT	125	125	
50200100	STRUCTURE EXCAVATION	CU YD	557	186	371
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	120	56	64

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	DRAWN AMS	REVISED -
	CHECKED EBB	REVISED -
PLOT DATE = 3/9/2026	DATE 1/9/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 776 (IL 142)
SUMMARY OF QUANTITIES

SCALE: N/A SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	5
CONTRACT NO. 78A98				
ILLINOIS		FED. AID PROJECT		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SALINE COUNTY	
				F.A.P. 776 (IL 142)	
				SALINE COUNTY	
				RURAL	RURAL
				004	004
				S.N. 083-7110	S.N. 083-7111
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2	
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2		2
54010404	PRECAST CONCRETE BOX CULVERTS 4' X 4'	FOOT	80		80
54010704	PRECAST CONCRETE BOX CULVERTS 7' X 4'	FOOT	55	55	
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	50	50	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	7	7	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1	
54262715	METAL FLARED END SECTIONS 15"	EACH	1	1	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	168	86	82
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	2	2	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	2	2
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5	0.5
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	5	5

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	DRAWN AMS	REVISED -
	CHECKED EBB	REVISED -
PLOT DATE = 3/9/2026	DATE 1/9/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 776 (IL 142) SUMMARY OF QUANTITIES		
SCALE: N/A	SHEET 3 OF 4 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	6
CONTRACT NO. 78A98				
ILLINOIS		FED. AID PROJECT		

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FILE NAME: P:\CarbonDate\24\files\247032 IDOT Dist 9 PTB 212-044\Work Order 05 - IL 142 Box Culverts\Transportation\CADD Sheets\78A98_sht SOQ.dgn

	SUMMARY OF QUANTITIES			SALINE COUNTY	
				F.A.P. 776 (IL 142)	
				SALINE COUNTY	
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RURAL
004					004
S.N. 083-7110					S.N. 083-7111
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	12	6	6
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	68	34	34
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1730	815	915
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1600	756	844
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2250	1060	1190
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	289	136	153
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	168	86	82
X7010200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 (SPECIAL)	EACH	2	1	1
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	0.5	0.5
X7200203	DETOUR SIGNING	L SUM	1	0.5	0.5
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5
Z0033068	TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	2	1	1
Z0054517	ROCK FILL - FOUNDATION	TON	181	84	97

* SPECIALTY ITEM

	USER NAME = aschafer	DESIGNED AMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. ROUTE 776 (IL 142) SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN AMS	REVISED -						776	125CR-1; 125CR-2	SALINE	47	7
		CHECKED EBB	REVISED -				CONTRACT NO. 78A98						
PLOT DATE = 3/9/2026	DATE 1/9/2026	REVISED -			SCALE: N/A	SHEET 4 OF 4 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT			

EARTHWORK SCHEDULE							
LOCATION				EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED (25%)	EMBANKMENT	EARTHWORK BALANCE
STA	TO	STA	SIDE	CU YD			
SN 083-7110							
69+05.00		69+98.00	LT & RT	135	105	10	95
GRAYSON ROAD							
9+42.50		9+86.20	LT & RT	70	55	5	50
SN 083-7111							
124+25.00		101+00.00 R2	LT & RT	135	100	30	70
TOTALS				340			
USE				340			

PORTLAND CEMENT CONCRETE SCHEDULE					
LOCATION	PORTLAND CEMENT CONCRETE PAVEMENT 10"	PORTLAND CEMENT CONCRETE PAVEMENT 8"	PORTLAND CEMENT CONCRETE SHOULDERS 10"	WELDED WIRE REINFORCEMENT	PROTECTIVE COAT
	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD
SN 083-7110					
STA. 69+38.0 TO STA. 69+98.00	174		25	174	199
GRAYSON ROAD					
STA. 9+42.50 TO STA. 9+86.20		161			161
SN 083-7110					
STA. 124+59.20 TO STA. 100+60.00 R2	289		67	289	356
TOTALS	463	161	92	463	716

SEEDING SCHEDULE							
LOCATION	SEEDING, CLASS 2	SEEDING, CLASS 7	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2
	ACRE	ACRE	POUND	POUND	POUND	TON	ACRE
SN 083-7110							
STA. 69+20.00 TO STA, 70+05.00, LT	0.06	0.06	11	5	5	0.1	0.06
STA. 69+65.00 TO STA, 70+10.00, RT	0.04	0.04	7	4	4	0.1	0.04
SN 083-7111							
STA. 124+59.20 TO STA, 100+60.00 R2, LT	0.06	0.06	11	5	5	0.1	0.06
STA. 124+59.20 TO STA, 100+60.00 R2, RT	0.09	0.09	16	9	9	0.2	0.09
TOTALS	0.25	0.25	45	23	23	0.5	0.25

EROSION CONTROL SCHEDULE			
LOCATION	EROSION CONTROL BLANKET	PERIMETER EROSION BARRIER	TEMPORARY EROSION CONTROL SEEDING
	SQ YD	FOOT	POUND
SN 083-7110			
STA. 69+20.00 TO STA. 70+05.00, LT	53	70	12
STA. 69+65.00 TO STA. 70+10.00, RT	22	30	8
SN 083-7111			
STA. 124+59.20 TO STA. 100+60.00 R2, LT	75	100	13
STA. 124+59.20 TO STA. 100+60.00 R2, RT	75	100	17
TOTALS	225	300	50

PAVEMENT REMOVAL SCHEDULE	
LOCATION	PAVEMENT REMOVAL
	SQ YD
SN 083-7110	
STA. 69+38.00 TO STA. 69+98.00	174
GRAYSON ROAD	
STA. 9+42.50 TO STA. 9+86.20	161
SN 083-7110	
STA. 124+59.20 TO STA. 100+60.00 R2	289
TOTAL	624

POROUS GRANULAR EMBANKMENT	
LOCATION	POROUS GRANULAR EMBANKMENT
	SQ YD
SN 083-7110	
STA. 69+38.00 TO STA. 69+98.00	42
GRAYSON ROAD	
STA. 9+42.50 TO STA. 9+86.20	56
AT SN 083-7110 (FOR REFERENCE ONLY, SEE CULVERT PLANS)	182
SN 083-7110	
STA. 124+59.20 TO STA. 100+60.00 R2	74
AT SN 083-7111 (FOR REFERENCE ONLY, SEE CULVERT PLANS)	392
TOTAL	746

	USER NAME = aschafer	DESIGNED AMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. ROUTE 776 (IL 142) SCHEDULE OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN AMS	REVISED -					776	125CR-1; 125CR-2	SALINE	47	8
		CHECKED EBB	REVISED -		CONTRACT NO. 78A98							
	PLOT DATE = 3/9/2026	DATE 1/9/2026	REVISED -		SCALE: N/A	SHEET 1 OF 2 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

MODEL: Schedule 2 (Sheet)
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PAVEMENT MARKING SCHEDULE						
LOCATION	DESCRIPTION	PAINT PAVEMENT MARKING LINE-4"		SHORT-TERM PAVEMENT MARKING	SHORT-TERM PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL-GRINDING
		FOOT		FOOT	SQ FT	SQ FT
		WHITE	YELLOW	WHITE	WHITE	YELLOW
SN 083-7110						
STA. 68+53.0 TO STA, 70+83.00, LT	EDGE LINE	326			218	
STA. 68+53.0 TO STA, 70+83.00, RT	EDGE LINE	326			218	
STA. 67+93.0 TO STA, 71+43.00, CL	EB PASSING, WB NO PASSING		408	815	272	136
STA. 67+93.0, RT	TEMPORARY STOP BAR				24	
STA. 71+43.00, LT	TEMPORARY STOP BAR				24	
SN 083-7111						
STA. 123+74.20 TO STA, 101+45.00 R2, LT	EDGE LINE	366			245	
STA. 123+74.20 TO STA, 101+45.00 R2, RT	EDGE LINE	366			245	
STA. 123+14.20 TO STA, 102+05.00 R2, CL	EB PASSING, WB NO PASSING		458	915	306	153
STA. 123+14.2, RT	TEMPORARY STOP BAR				24	
STA. 102+05.0 R2, LT	TEMPORARY STOP BAR				24	
SUBTOTALS		1384	866			
TOTAL		2250		1730	1600	289

PIPE SCHEDULE							
LOCATION	PIPE CULVERT REMOVAL	PIPE CULVERTS, CLASS D, TYPE 1 - 15"	PIPE CULVERTS, CLASS A, TYPE 2 - 24"	METAL FLARED END SECTIONS 15"	PRC FLARED END SECTIONS 24"	TRENCH BACKFILL	INLET AND PIPE PROTECTION
	FOOT	FOOT	FOOT	EACH	EACH	CU YD	EACH
SN 083-7110							
STA. 69+69.5 TO STA, 69+76.0, LT		7		1			
STA. 69+25.3 TO STA. 69+72.5, RT			50		1	21	1
STA. 69+88.0 TO STA. 70+11.50, RT							
STA. 69+25.0 TO STA. 70+20.0, RT	95						
STA. 69+93.0 TO STA. 70+11.50, RT	30						
TOTALS	125	7	50	1	1	21	1

FURNISHING AND ERECTING RIGHT OF WAY MARKERS SCHEDULE	
LOCATION	FURNISHING AND ERECTING RIGHT OF WAY MARKERS
	EACH
SN 083-7110	
STA. 69+74.21, 55' RT	1
STA. 69+93.00, 40' RT	1
TOTAL	2

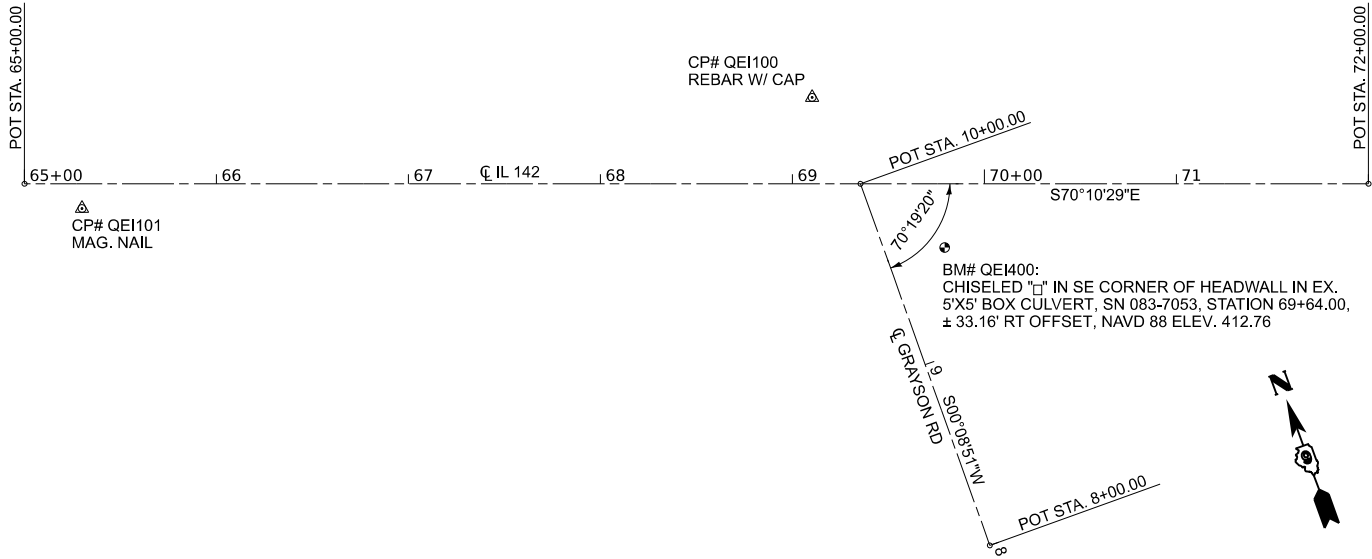
CHANGEABLE MESSAGE SIGN SCHEDULE	
LOCATION	CHANGEABLE MESSAGE SIGN
	CAL DAY
SN 083-7110	
NORTHWEST OF IL 142 AND BIXLER ROAD INTERSECTION	17
SOUTHEAST OF IL 142 AND MOORE ROAD INTERSECTION	17
SN 083-7111	
NORTHWEST OF IL 142 AND WILLOW LAKE ROAD INTERSECTION	17
SOUTHEAST OF IL 142 AND RIDGWAY ROAD INTERSECTION	17
TOTAL	68

TEMPORARY RUMBLE STRIPS	
LOCATION	TEMPORARY RUMBLE STRIPS
	EACH
SN 083-7110	
STA. 51+05.00, RT	1
STA. 56+05.00, RT	1
STA.61+05.00, RT	1
STA. 78+31.00, LT	1
STA. 83+31.00, LT	1
STA. 88+31.00, LT	1
SN 083-7111	
STA. 106+26.20, RT	1
STA. 111+26.20, RT	1
STA. 116+26.20, RT	1
STA. 108+93.0 R2, LT	1
STA. 113+93.0 R2, LT	1
STA. 118+93.0 R2, LT	1
TOTAL	12

AGGREGATE SCHEDULE	
LOCATION	AGGREGATE BASE COURSE, TYPE B
	TON
SN 083-7110	
STA. 69+78.40 TO STA. 70+09.40, LT	4
TOTALS	4

	USER NAME = aschafer	DESIGNED AMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. ROUTE 776 (IL 142) SCHEDULE OF QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN AMS	REVISED -				776	125CR-1; 125CR-2	SALINE	47	9
		CHECKED EBB	REVISED -				CONTRACT NO. 78A98				
	PLOT DATE = 3/9/2026	DATE 1/12/2026	REVISED -		SCALE: N/A	SHEET 2 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

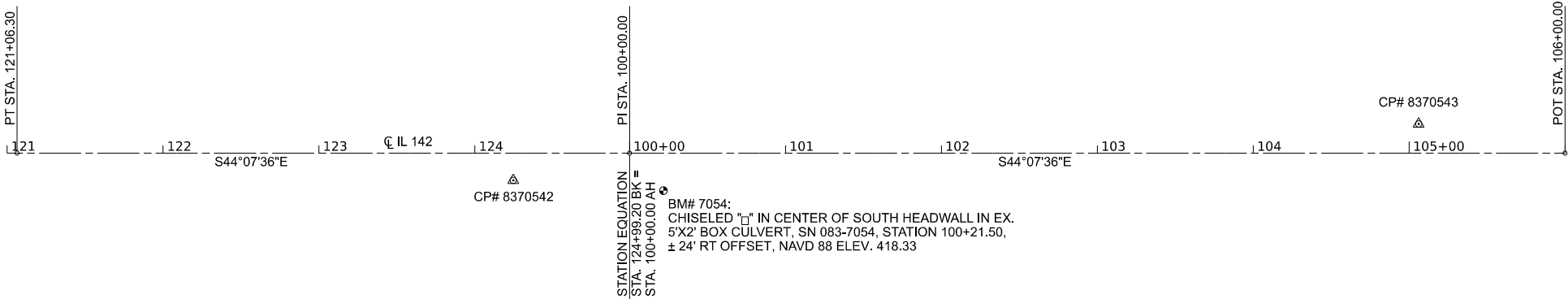
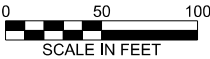
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FILE NAME: P:\Carbondale\24files\247032 IDOT Dist 9 FTB 212-044\Work Order 05 - IL 142 Box Culverts\Transportation\CADD Sheets\78A98_sht_Alignment.dgn



ALIGNMENT COORDINATES - IL 142			
	STATION	N	E
POT	65+00.00	413,145.7061	958,000.3867
POT	72+00.00	412,908.2995	958,658.8988

ALIGNMENT COORDINATES - GRAYSON RD			
	STATION	N	E
POT	8+00.00	412,798.0383	958,409.4711
POT	10+00.00	412,998.0376	958,409.9857

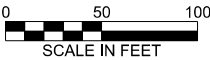
BENCHMARK AND CONTROL POINT COORDINATES					
	STATION	OFFSET	N	E	ELEVATION
CP #QE1100	69+10.20	45.01' LT	413,048.9300	958,401.5350	411.71
CP #QE1101	65+30.00	12.86' RT	413,123.4580	958,024.1760	414.91
BM #QE1400	69+64.00	33.16' RT	412,951.9680	958,439.9860	412.76



ALIGNMENT COORDINATES - IL 142			
	STATION	N	E
PT	121+06.30	413,145.7061	958,000.3867
PI	* 124+99.20	412,976.1300	958,470.7525
POT	106+00.00	412,908.2995	958,658.8988

* STATION EQUATION STA. 124+99.20 BK = STA. 100+00.00 AH

BENCHMARK AND CONTROL POINT COORDINATES					
	STATION	OFFSET	N	E	ELEVATION
CP #8370542	124+24.61	17.46' RT	410,830.9960	963,389.7380	418.80
CP #8370543	105+06.13	18.72' LT	410,439.3440	963,820.0280	421.42
BM #7054	100+21.50	24.0' RT	412,951.9680	958,439.9860	418.33



KLINGNER
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616 N 24TH ST, QUINCY, ILLINOIS 62301 217.223.3670
STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

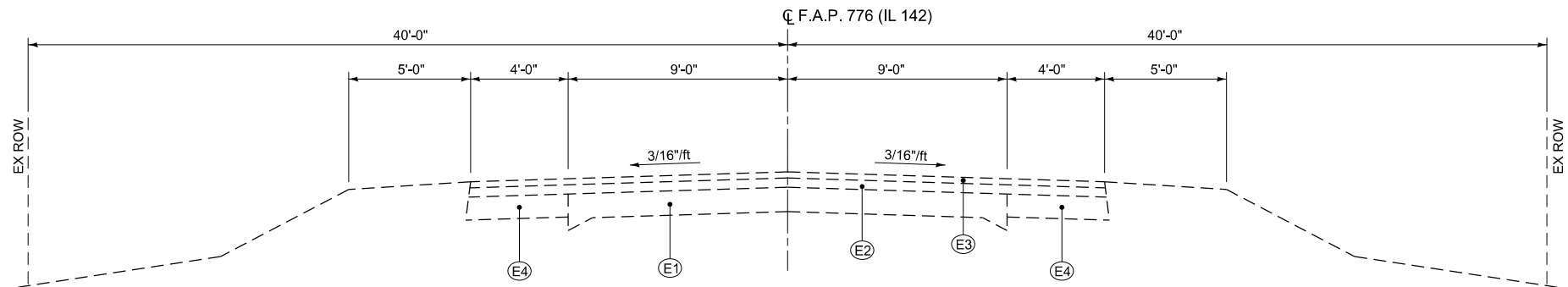
USER NAME = aschafer	DESIGNED AMS	REVISED -
	DRAWN AMS	REVISED -
	CHECKED EBB	REVISED -
PLOT DATE = 3/9/2026	DATE 1/9/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

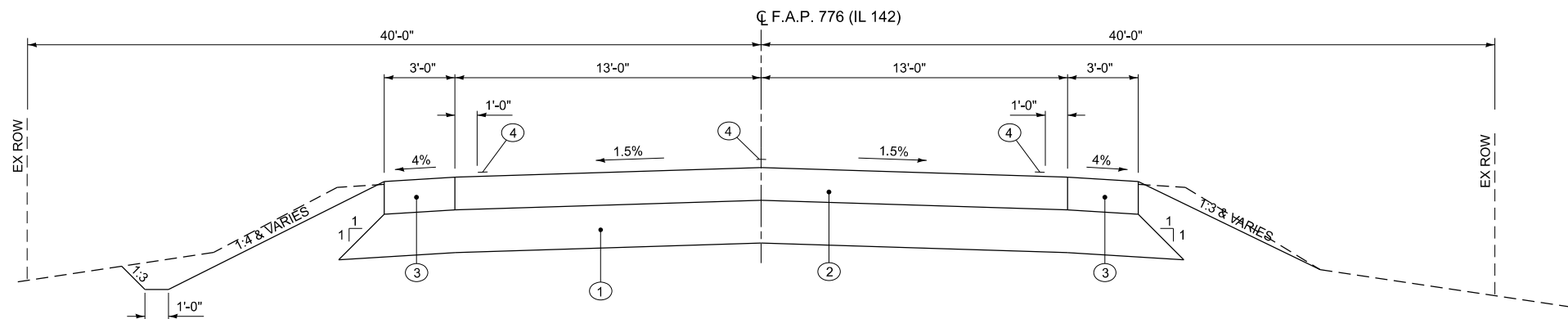
F.A.P. ROUTE 776 (IL 142)
ALIGNMENT

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 65+00.00 TO STA. 106+00.00 R2

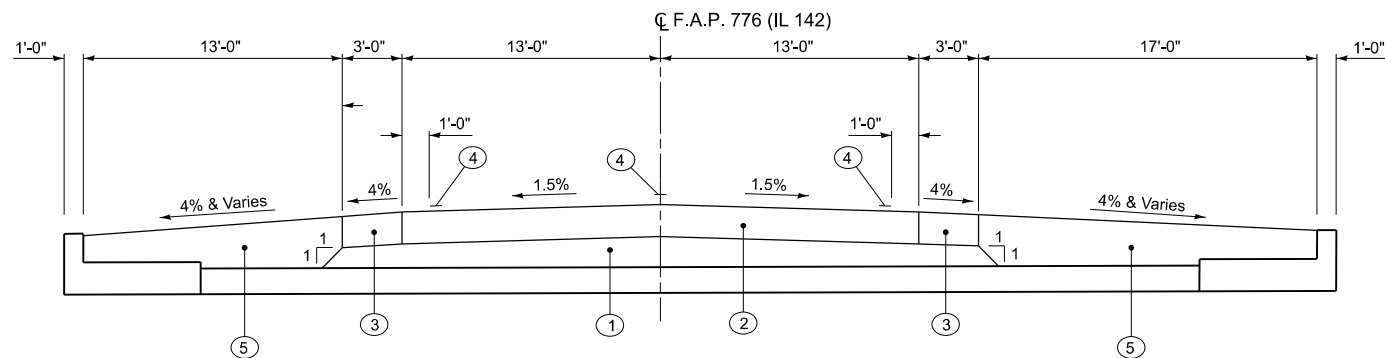
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	10
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
STA. 69+38.00 TO STA. 69+98.00



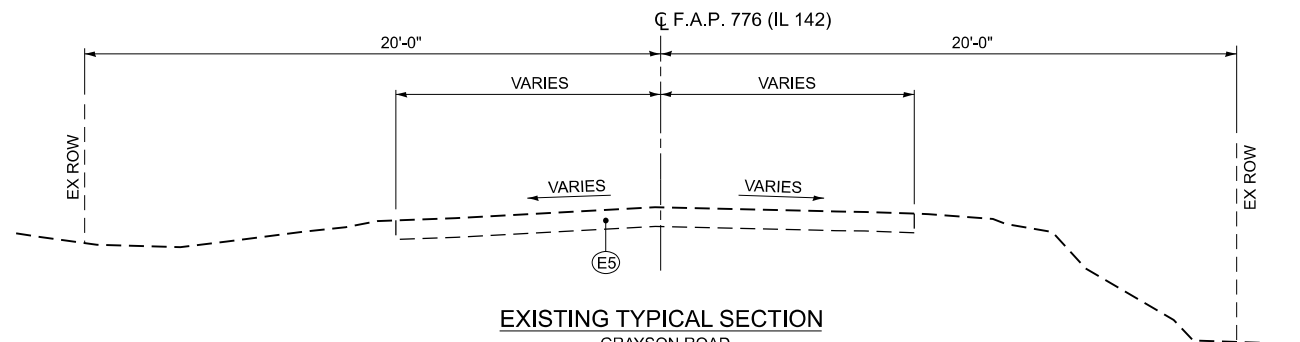
PROPOSED TYPICAL SECTION
STA. 69+38.00 TO STA. 69+98.00



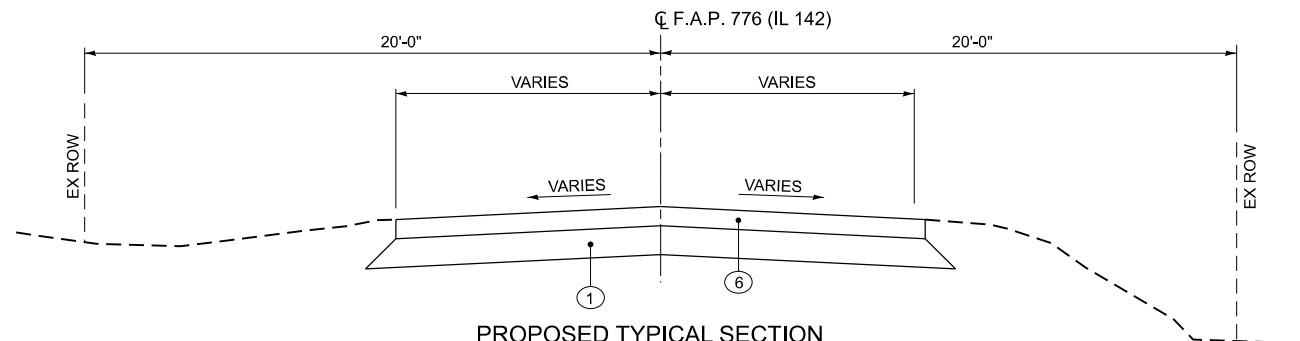
PROPOSED TYPICAL SECTION
SN 083-7110

LEGEND

- (E1) EXISTING CONCRETE PAVEMENT (9-6-9)
- (E2) EXISTING BITUMINOUS CONCRETE BINDER COURSE, 1 1/2" MIN.
- (E3) EXISTING BITUMINOUS CONC SURFACE COURSE (1 1/2")
- (E4) EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING 9"
- (E5) EXISTING PAVEMENT
- (1) PROPOSED POROUS GRANULAR EMBANKMENT
- (2) PROPOSED PCC PAVEMENT 10"
- (3) PROPOSED PCC SHOULDERS 10"
- (4) PROPOSED PAVEMENT MARKING - LINE 4"
- (5) EARTH FILL
- (6) PROPOSED PCC PAVEMENT 8"



EXISTING TYPICAL SECTION
GRAYSON ROAD



PROPOSED TYPICAL SECTION
GRAYSON ROAD

MODEL: Typical 1 (Sheet)
FILE NAME: P:\Carbondale\24files\247032 IDOT Dist 9 FTB 212-044\Work Order 05 - IL 142 Box Culverts\Transportation\CADD Sheets\78A98_sht_Typical.dgn

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616 N. 24TH ST. QUINCY, ILLINOIS 62301-2112, 223.3670
STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

USER NAME	= aschafer
DESIGNED	AMS
DRAWN	AMS
CHECKED	EBB
DATE	1/9/2026
DATE	1/9/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 776 (IL 142)
SN 083-7110 TYPICAL SECTIONS

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	11
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

MODEL: IL 143 - Plan 1-1 (Sheet)
FILE NAME: P:\Carbondale\247632\DOT Dist 9 FTB 212-044\Work Order 05 - IL 142 Box Culverts\Transportation\CADD Sheets\78A98_sht_PP01.dgn

1- STA 69+68.00, 15° SKEW RT AH (SN 083-7110)
SINGLE 7'X4" CONCRETE BOX CULVERT, 66'-3" LONG
(SEE STRUCTURAL PLANS)

- P1- PR PCC PAVEMENT, 10"
PR POROUS GRANULAR EMBANKMENT

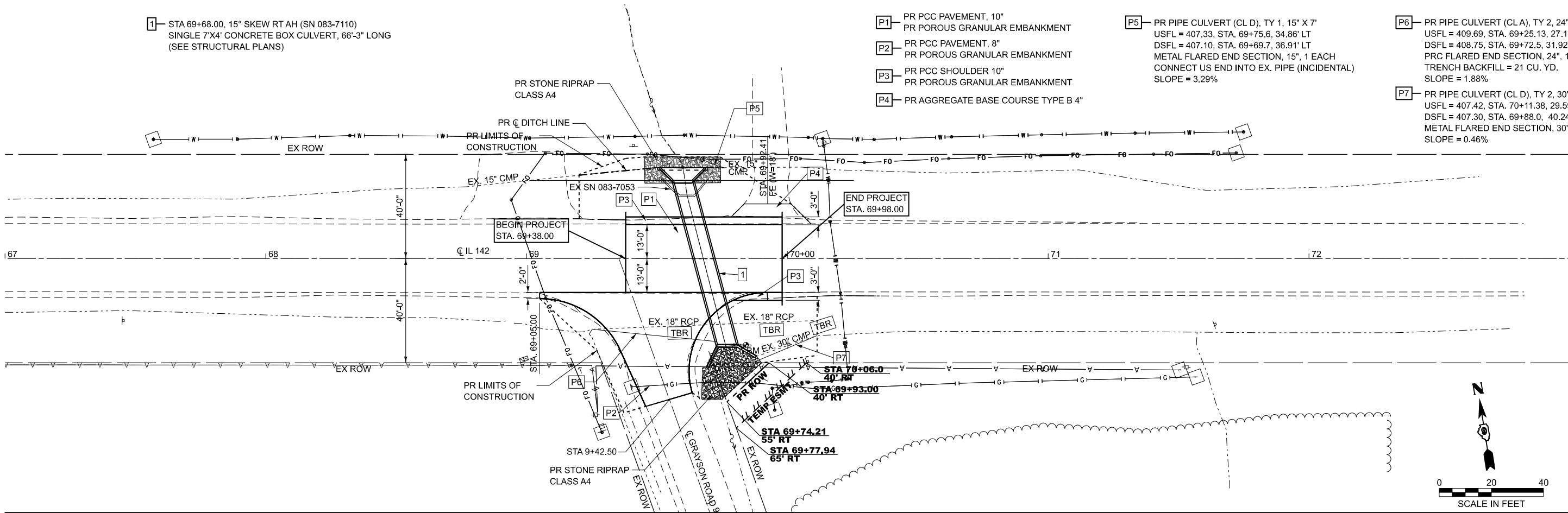
P2- PR PCC PAVEMENT, 8"
PR POROUS GRANULAR EMBANKMENT

P3- PR PCC SHOULDER 10"
PR POROUS GRANULAR EMBANKMENT

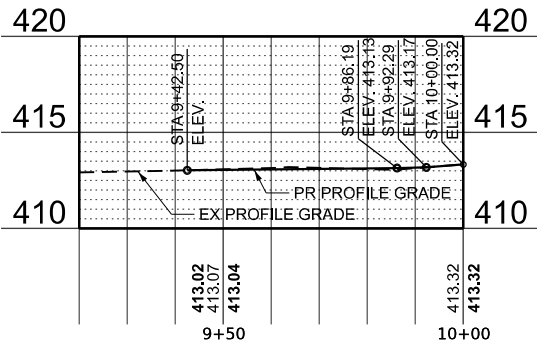
P4- PR AGGREGATE BASE COURSE TYPE B 4"
- P5- PR PIPE CULVERT (CL D), TY 1, 15" X 7'
USFL = 407.33, STA. 69+75.6, 34.86' LT
DSFL = 407.10, STA. 69+69.7, 36.91' LT
METAL FLARED END SECTION, 15", 1 EACH
CONNECT US END INTO EX. PIPE (INCIDENTAL)
SLOPE = 3.29%

P6- PR PIPE CULVERT (CL A), TY 2, 24" X 50'
USFL = 409.69, STA. 69+25.13, 27.14' RT
DSFL = 408.75, STA. 69+72.5, 31.92' RT
PRC FLARED END SECTION, 24", 1 EACH
TRENCH BACKFILL = 21 CU. YD.
SLOPE = 1.88%

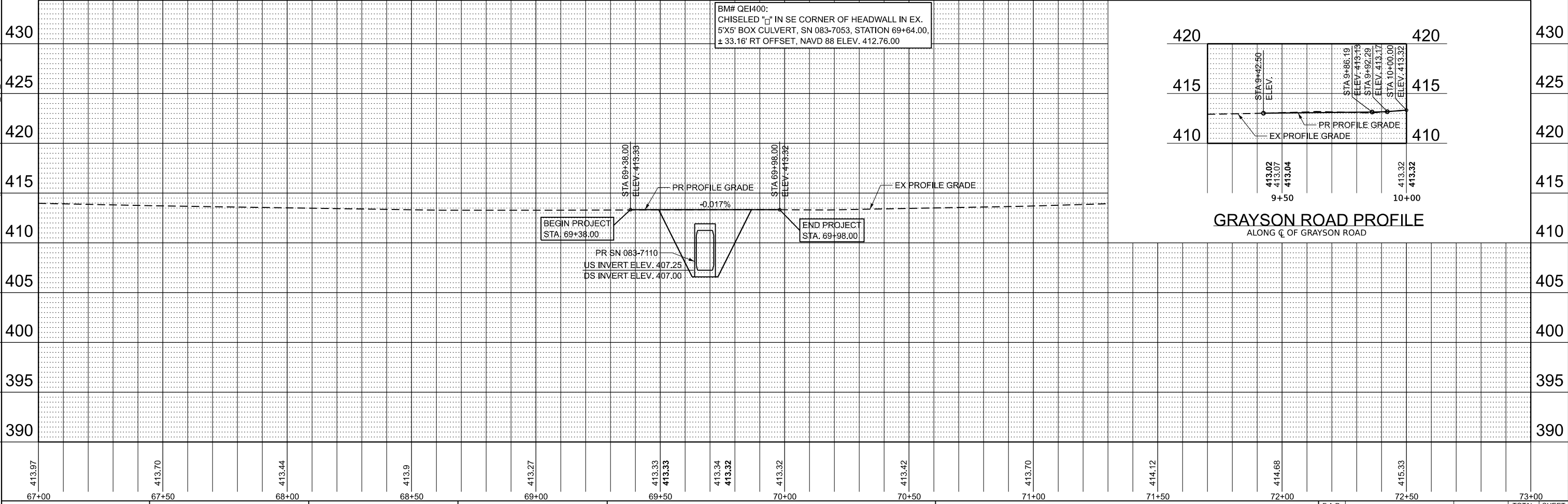
P7- PR PIPE CULVERT (CL D), TY 2, 30" X 26'
USFL = 407.42, STA. 70+11.38, 29.59' RT
DSFL = 407.30, STA. 69+88.0, 40.24' RT
METAL FLARED END SECTION, 30", 2 EACH
SLOPE = 0.46%



BM# QEI400:
CHISELED "I" IN SE CORNER OF HEADWALL IN EX.
5'X5' BOX CULVERT, SN 083-7053, STATION 69+64.00,
± 33.16' RT OFFSET, NAVD 88 ELEV. 412.76.00

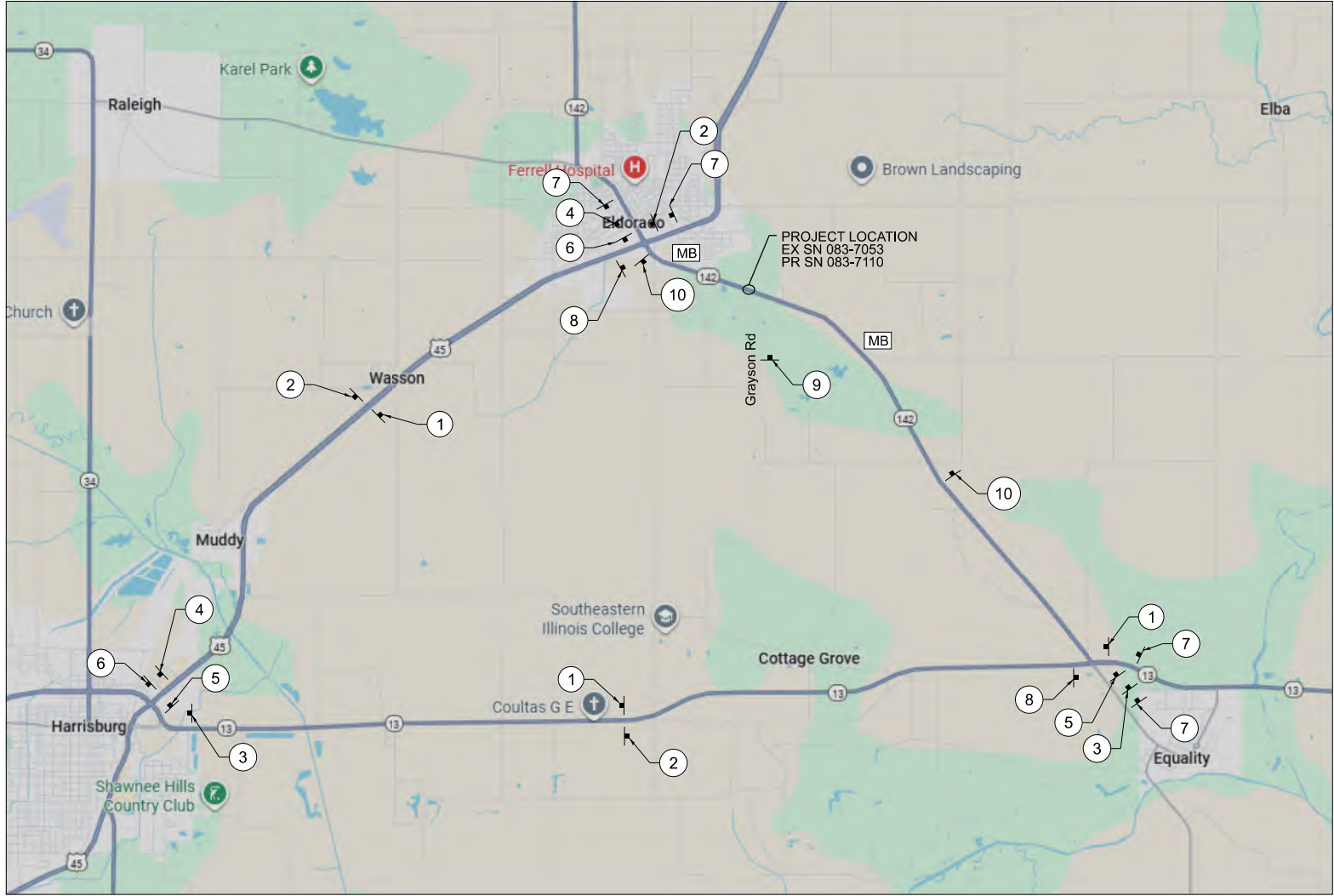
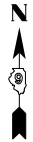


GRAYSON ROAD PROFILE
ALONG C OF GRAYSON ROAD



USER NAME = aschafer		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. ROUTE 776 (IL 142) SN 083-7110 PLAN AND PROFILE				F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		DRAWN -	REVISED -						776	125CR-1:125CR-2	SALINE	47	12				
		CHECKED -	REVISED -						CONTRACT NO. 78A98								
PLOT DATE = 6/8/2026		DATE -	REVISED -						SCALE: 1"=20'					SHEET 1 OF 1 SHEETS		STA. 67+00.00 TO STA. 73+00.00	
																ILLINOIS FED. AID PROJECT	

MODEL: Detour [Sheet]
FILE NAME: P:\CarbonData\24files\247032 IDOT Dist 9 FTB 212-04\Work Order 05 - IL 142 Box Culverts\Transportation\CADD Sheets\78A98_sht_Detour01.dgn



NOTES:

1. THE CONTRACTOR HAS THE OPTION OF USING METAL POSTS INSTEAD OF WOOD.
2. THE SIGNS SHALL BE BLACK ON ORANGE. THE POSTS SHALL BE PLACED 12 FEET FROM THE EDGE OF PAVEMENT AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS AND HARDWARE REQUIRED TO INSTALL THE DETOUR ROUTE SIGNING SHALL BE INCLUDED IN THE COST OF DETOUR SIGNING.
4. SIGNS SHALL BE REMOVED ON COMPLETION OF THE CONTRACT AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 724. THIS WORK WILL NOT BE PAID FOR. THE SIGNS AND POSTS SHALL BECOME PROPERTY OF THE CONTRACTOR.
5. THE RELOCATING, MAINTENANCE OR REPLACEMENT OF SIGNS SHALL BE INCLUDED IN COST OF DETOUR SIGNING.
6. EXACT SIGN PLACEMENT WILL BE DETERMINED BY THE ENGINEER.
7. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE ROAD CLOSURE IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR.
8. THE DISTRICT 9 OPERATIONS ENGINEER SHALL BE CONTACTED 10 DAYS PRIOR TO ERECTION OF THE SIGNS.
9. THE SIGNS ON THIS SHEET WILL BE USED FOR THE REPLACMENT OF BOTH STRUCTURES.
10. TYPE III BARRICADES WITH ROAD CLOSED SIGNS AS SHOWN ON HIGHWAY STANDARD 701901 SHALL BE ERECTED AT EACH END OF THE WORK SITE DURING ROAD CLOSURE.
11. ROAD CLOSURE ACCORDING TO TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21.
12. GRAYSON ROAD SHALL BE CLOSED FOR A MAXIMUM OF 45 DAYS FROM THE START OF THE CLOSURE. ROAD CLOSURE SHALL BE ACCORDING TO TRAFFIC CONTROL AND PROTECTION STANDARD BLR 21.
13. THE CONTRACTOR SHALL COVER OR REMOVE ALL DETOUR SIGNS WHEN THE DETOUR IS NOT IN EFFECT.

PRIOR TO CLOSURE

MB - CHANGEABLE MESSAGE BOARD - 2 REQUIRED
(NOTIFICATION - 2 WEEKS PRIOR TO START OF WORK
AND DURATION OF THE CLOSURE)

PRIOR TO CLOSURE

ILLINOIS
142
WILL BE
CLOSED

XX
MILES
AHEAD

DATE
TO
DATE

DURING CLOSURE

ILLINOIS
142
CLOSED

XX
MILES
AHEAD

DATE
TO
DATE

* EXACT MESSAGE SHALL BE DETERMINED BY THE ENGINEER



7 W20-2a (4848)

8 M4-8 (2412) (O)



9 W20-3 (O)

10

DETOUR
NORTH

ILLINOIS
142

↑

M4-8 (2412) (O)
M3-3 (2412)
M1-I100.2 (2424)
M6-3 (2115)

1

DETOUR
SOUTH

ILLINOIS
142

↑

M4-8 (2412) (O)
M3-3 (2412)
M1-I100.2 (2424)
M6-3 (2115)

2

DETOUR
NORTH

ILLINOIS
142

← OR →

M4-8 (2412) (O)
M3-3 (2412)
M1-I100.2 (2424)
M5-1L or M5-1R (2115)

3

DETOUR
SOUTH

ILLINOIS
142

← OR →

M4-8 (2412) (O)
M3-3 (2412)
M1-I100.2 (2424)
M5-1L or M5-1R (2115)

4

DETOUR
NORTH

ILLINOIS
142

→ OR ←

M4-8 (2412) (O)
M3-3 (2412)
M1-I100.2 (2424)
M5-1L or M5-1R (2115)

5

DETOUR
SOUTH

ILLINOIS
142

→ OR ←

M4-8 (2412) (O)
M3-3 (2412)
M1-I100.2 (2424)
M5-1L or M5-1R (2115)

6

MODEL: Staging [Sheet]
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LEGEND



DIRECTION OF TRAFFIC



TYPE III BARRICADE W/ FLASHING LIGHTS



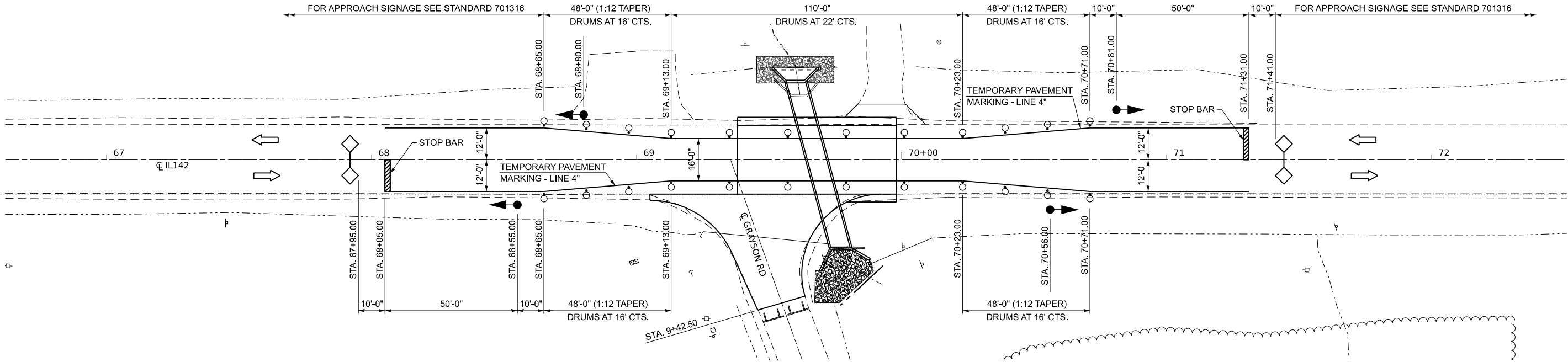
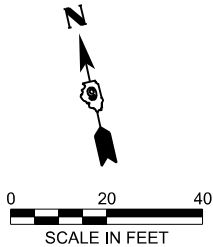
DRUM WITH STEADY BURNING DIRECTIONAL LIGHT



INDUCTION LOOP DETECTOR



TRAFFIC SIGNAL



SN 083-7110 STAGE CONSTRUCTION PLAN

GENERAL NOTES

1.

TRAFFIC CONTROL SHALL BE ERECTED AS SHOWN ACCORDING TO TRAFFIC CONTROL & PROTECTION, STANDARD 701316 (SPECIAL).
2.

DRUMS WITH STEADY BURNING LIGHTS, SIGNS, AND INDICATOR WILL BE INCLUDED IN THE COST OF STANDARD 701316 (SPECIAL).
3.

SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS.
4.

COORDINATE LOCATION OF SIGNALS WITH FINAL WORK AS DIRECTED BY THE ENGINEER.
5.

ADDITIONAL SIGNAGE FOR ADVANCE WIDTH RESTRICTION WARNING SHALL BE INCLUDED IN THE COST OF STANDARD 701316 (SPECIAL). THE CONTRACTOR SHALL PLACE MAX WIDTH SIGNS BEFORE IMPLEMENTING ANY STAGE TRAFFIC CONTROL.
6.

SEE STANDARD 701316 FOR COMPLETION OF STAGE CONSTRUCTION SIGNING AND ADVANCE DETECTOR LOOP PLACEMENT NOT SHOWN.
7.

THE ADVANCE DETECTOR LOOPS ARE TYPICALLY LOCATED 275 FEET IN ADVANCE OF THE STOP BAR. THE BUREAU OF OPERATIONS SHOULD APPROVE THE LOOP LOCATIONS PRIOR TO INSTALLATION.
8.

THE CENTERLINE PAVEMENT MARKING SHOULD BE REMOVED FROM STOP BAR TO STOP BAR.
9.

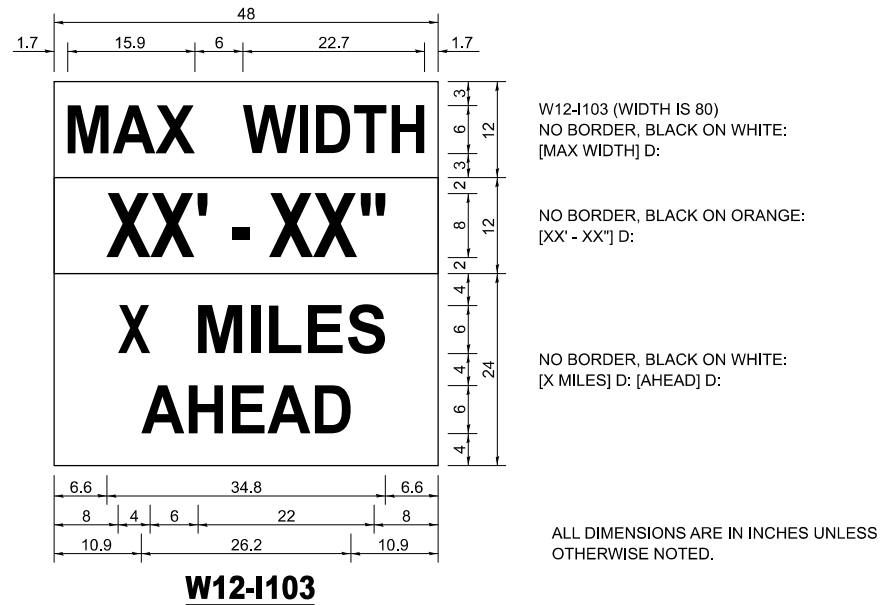
ANY TIME THE DRUMS WITH STEADY BURNING LIGHTS ARE NOT IN THE PROPER POSITION, FLAGGERS SHALL BE IN PLACE TO CONTROL TRAFFIC AND THE TEMPORARY TRAFFIC SIGNALS SHALL BE TUNRED OFF OR COVERED.
10.

ALL TRAFFIC SIGNALS SHOWN ARE INCLUDED IN TEMPORARY BRIDGE TRAFFIC SIGNALS - 1 EACH.
11.

THE COST OF THE TEMPORARY PAVEMENT MARKING AND ITS REMOVAL IS INCLUDED IN THE COST OF STANDARD 701316 (SPECIAL).
12.

THE CONTRACTOR SHALL COORDINATE ACCESS TO THE FIELD ENTRANCES WITH THE PROPERTY OWNERS.
13.

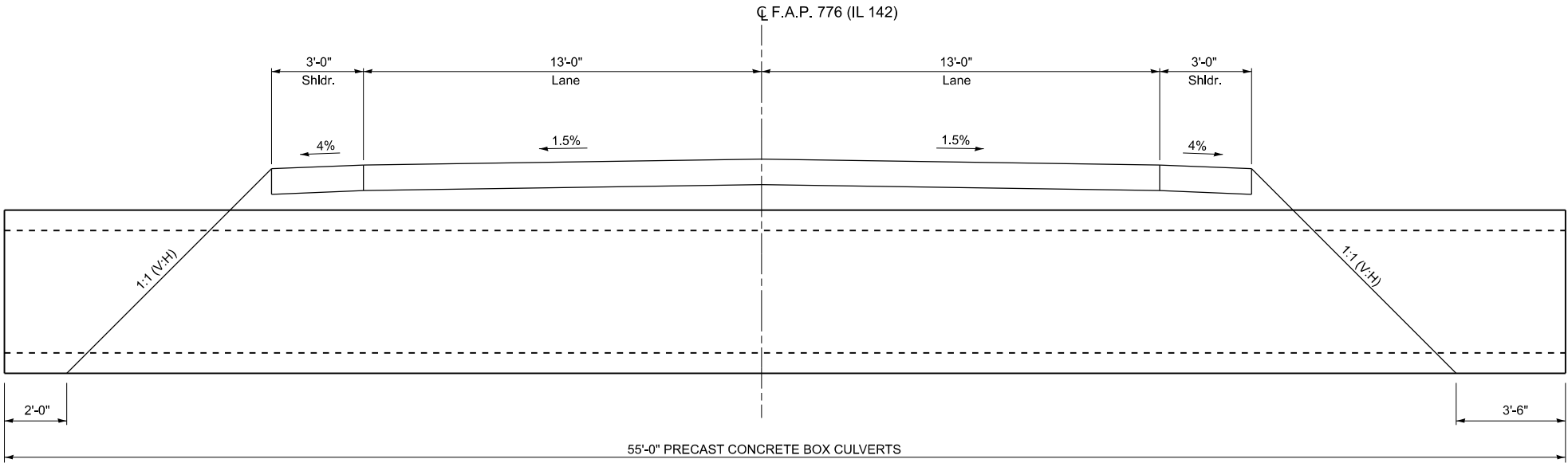
THE DIMENSIONS SHOWN ON THE WIDTH RESTRICTION SIGN (W12-1102(O)-48) SHOWN ON STANDARD 701316 (SPECIAL) AND ON THE ADVANCE WARNING SIGN (W12-1103) SHOWN ON THIS SHEET SHALL BE 16'-0" FOR STAGE CONSTRUCTION.



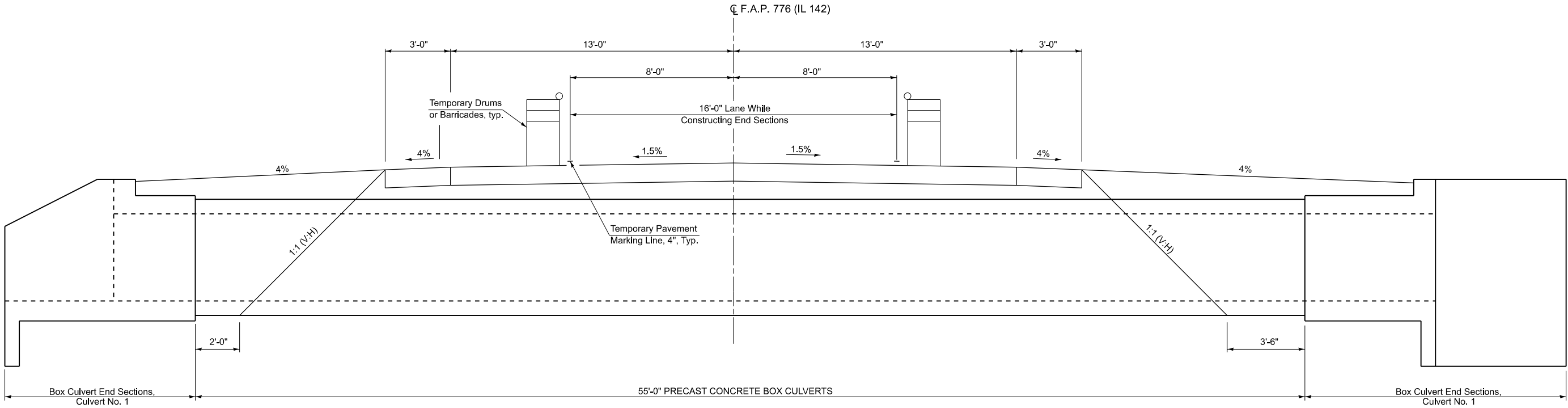
NOTE: THIS SIGN SHALL BE LOCATED AS DIRECTED BY THE ENGINEER. ONE SIGN SHALL BE PROVIDED FOR EACH APPROACH TO THE SITE.

	USER NAME	= aschafer	DESIGNED	AMS	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. ROUTE 776 (IL 142) SN 083-7110 STAGE CONSTRUCTION	SCALE: 1"=20'	SHEET 1 OF 2 SHEETS	STA. 67+00.00 TO STA. 72+00.00	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN	AMS	REVISED	-								776	125CR-1; 125CR-2	SALINE	47	14
	CHECKED	EBB	REVISED	-								CONTRACT NO. 78A98				
	PLOT DATE	= 3/9/2026	DATE	1/27/2026	REVISED	-						ILLINOIS FED. AID PROJECT				

MODEL: Staging (Sheet)
FILE NAME: P:\Carbondale\24files\247032 IDOT Dist 9 FTB 212-04\Work Order 05 - IL 142 Box Culverts\Transportation\CADD Sheets\78A98_sht_7110Staging02.dgn



CONSTRUCTION WITH DETOUR ROUTE
(Dimensions at Rt. L's to Box Culvert)



BOX CULVERT END SECTION CONSTRUCTION WITH TRAFFIC
(Dimensions at Rt. L's to Box Culvert)

USER NAME = aschafer	DESIGNED	AMS	REVISED	-
	DRAWN	AMS	REVISED	-
	CHECKED	EBB	REVISED	-
	DATE	1/27/2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 776 (IL 142)			
SN 083-7110 STAGE CONSTRUCTION			
SCALE: 1"=20'	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	15
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

No Salvage.

1	General Plan and Elevation
2	General Details
3	Culvert Plan - Bottom Slab
4	Culvert Plan - Top Slab
5-6	Culvert Details
7	Soil Boring

Drainage Area = 35.2 acres					Low Grade Elev. 413.0 @ Sta. 68+63.00				
Flood	Freq.	Q	Opening Ft²		Nat.	Head - Ft.		Headwater Elev.	
	Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
	10	43	7.6	9.1	408.6	0.8	0.6	409.4	409.
Design	50	63	9.1	11.2	408.9	1.1	0.8	410.0	409.
Base	100	74	9.6	11.9	409.0	1.3	0.9	410.3	409.
Overtopping	-	-	-	-	-	-	-	-	-
Max Calc	500	108	11.1	14.0	409.3	2.0	1.4	411.3	410.

50 year (Design) velocity through existing structure = 4.7 fps
50 year (Design) velocity through proposed structure = 4.1 fps

The design fill height for this box is 2.0 ft maximum and 1.5 ft minimum. The precast box culvert sections shall conform to the requirements of ASTM C 1577. Drain holes shall be provided on exterior culvert walls for each precast box segment and one drain hole shall be provided in each wingwall for end sections of box culverts with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification. Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

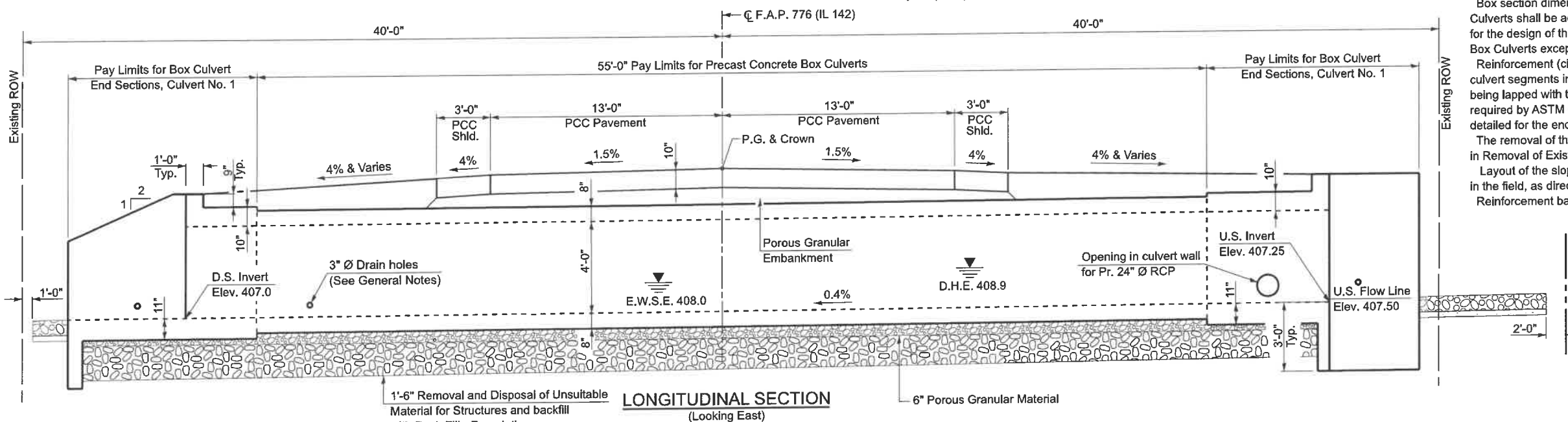
Box section dimensions, materials, and reinforcement details for Precast Box Culverts shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

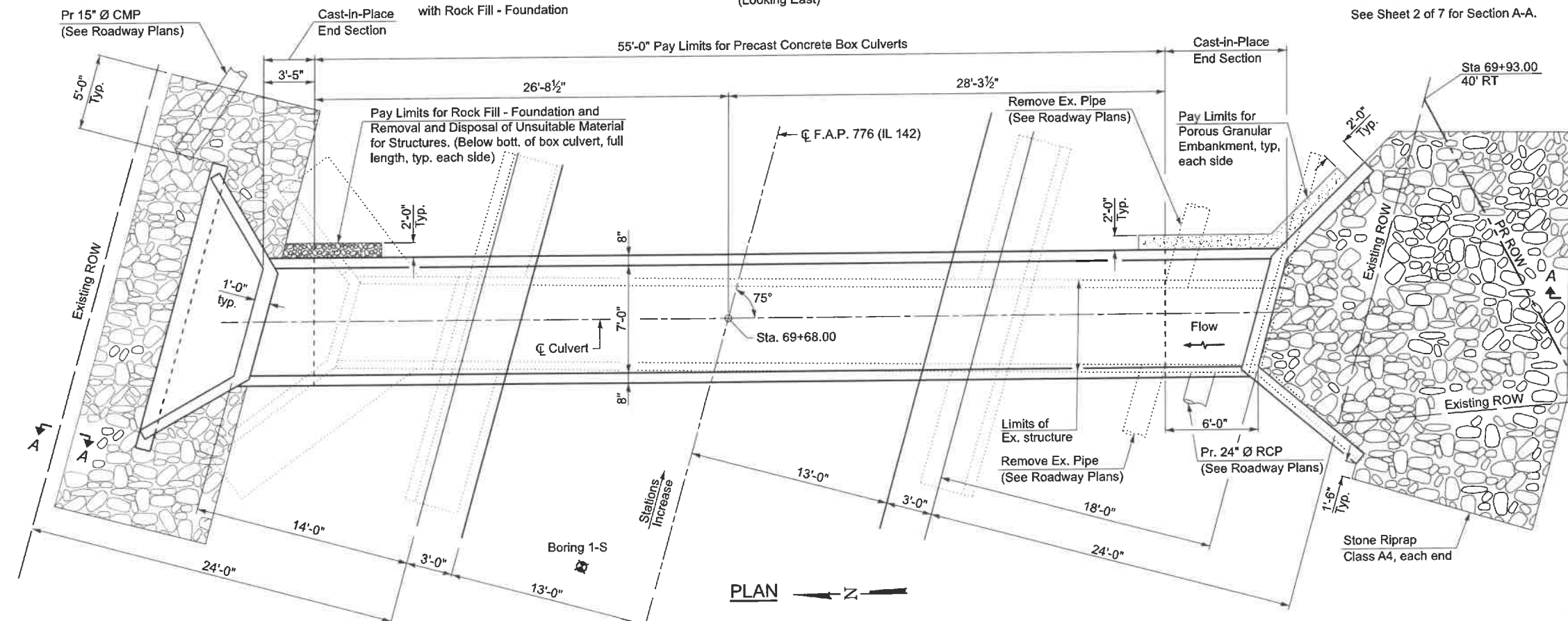
The removal of the existing box culvert, headwalls, and wingwalls is included in Removal of Existing Structures.

Layout of the slope protection system may be varied to suit ground conditions in the field, as directed by the engineer.

Reinforcement bars designated (E) shall be epoxy coated.



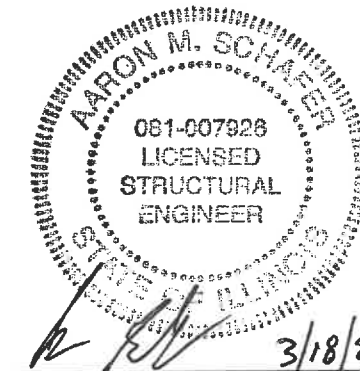
LONGITUDINAL SECTION
(Looking East)



PLAN

~~—Z—~~

See Sheet 2 of 7 for Section A-A.



Aaron M. Schafer
Licensed Structural Engineer
State of Illinois No. 081-007926
License Expires 11/30/2026

LOADING HL-93

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

DESIGN SPECIFICATIONS

2024 AASHTO LRFD Bridge Design
Specifications, 10th Edition

DESIGN STRESSES

FIELD UNITS

$f_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

PRECAST UNITS

$f_c = 5,000$ psi
 $f_v = 65,000$ psi (Welded Wire Fabric)

GENERAL PLAN & ELEVATION

FAP 776 (II 142)

OVER CREEK

SECTION 125CR-1: 125CR-2

SALINE COUNTY

STATION 69+68.00

STRUCTURE NO. 083-7110

LOCATION SKETCH

KLINGNER
& ASSOCIATES, P.C.
 Engineers • Architects • Surveyors

USER NAME =	DESIGNED AMS	REVISED -
	CHECKED RJP	REVISED -
PLOT SCALE =	DRAWN AMS	REVISED -
PLOT DATE =	CHECKED RJP	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

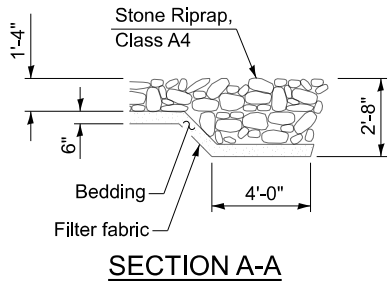
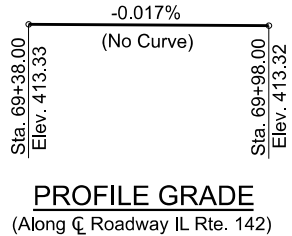
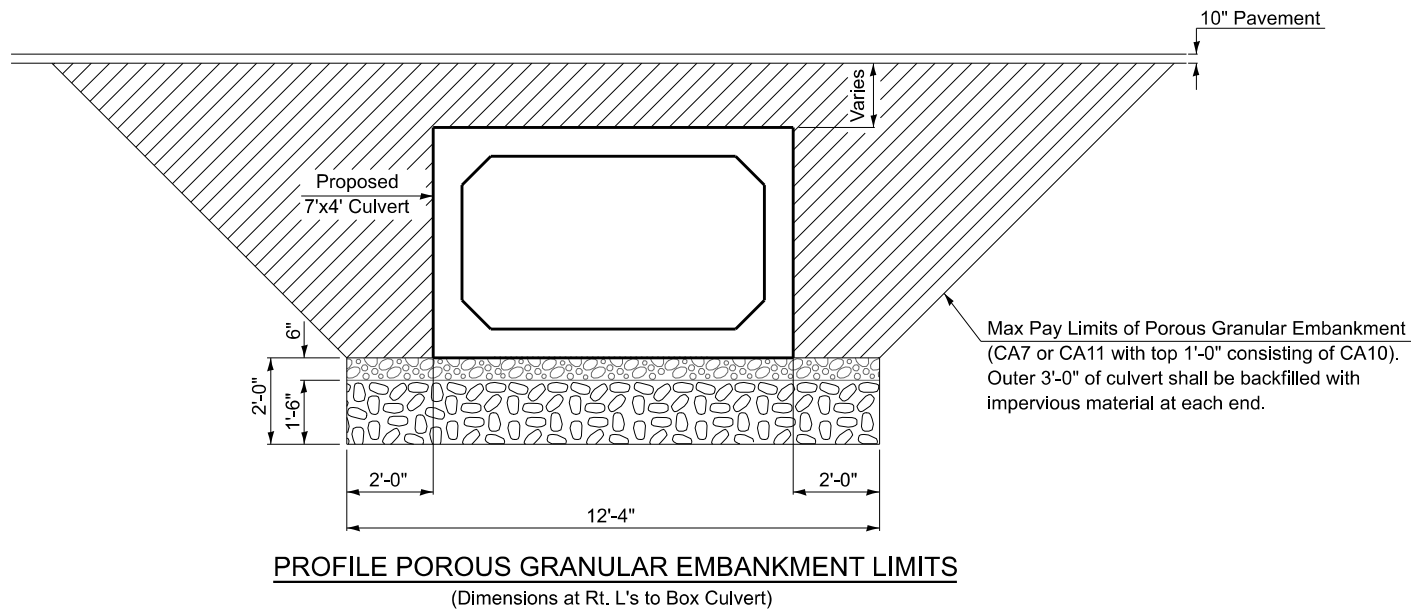
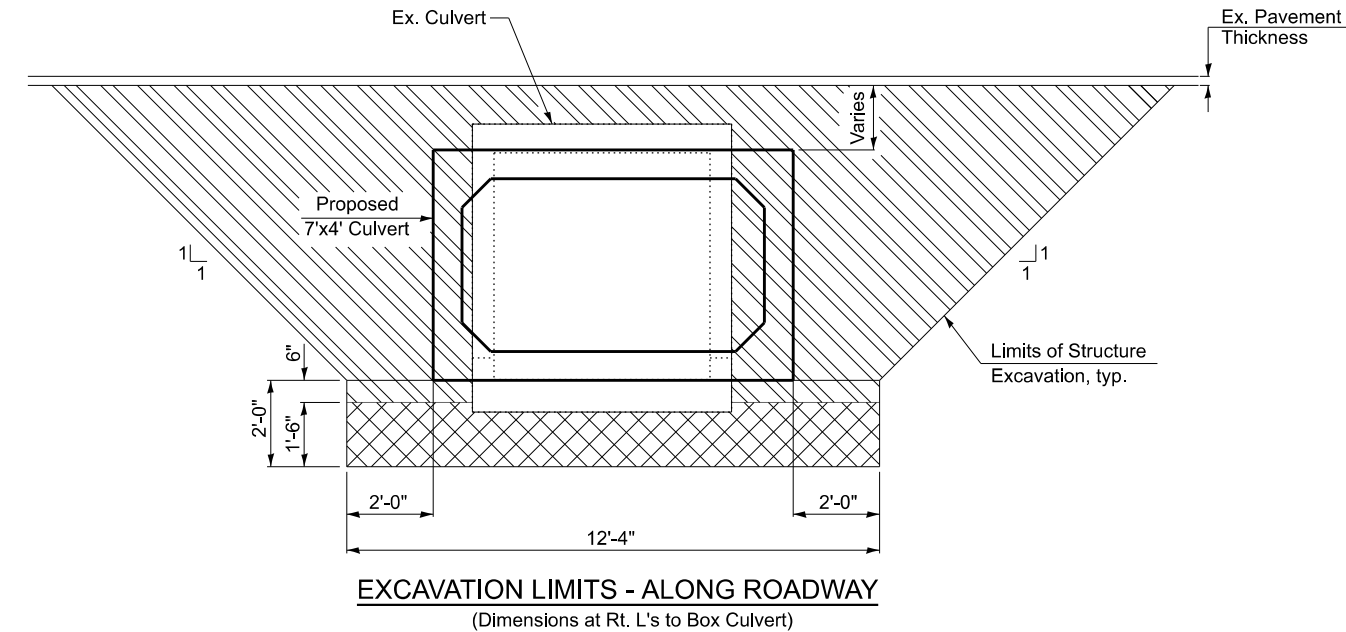
GENERAL PLAN & ELEVATION
STRUCTURE NO. 083-7110

SHEET 1 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	17
		CONTRACT NO. 78A98		
ILLINOIS		FED. AID PROJECT		

LEGEND

	Removal & Disposal of Unsuitable Material for Structures
	Structure Excavation
	Porous Granular Embankment
	Porous Granular Material
	Rock Fill - Foundation

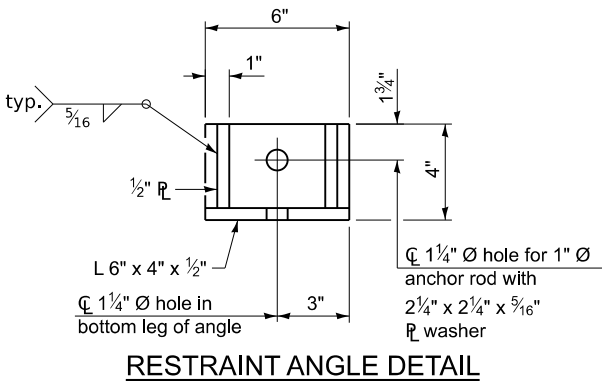
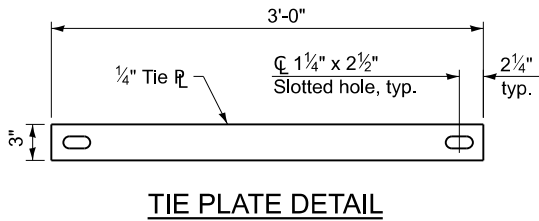
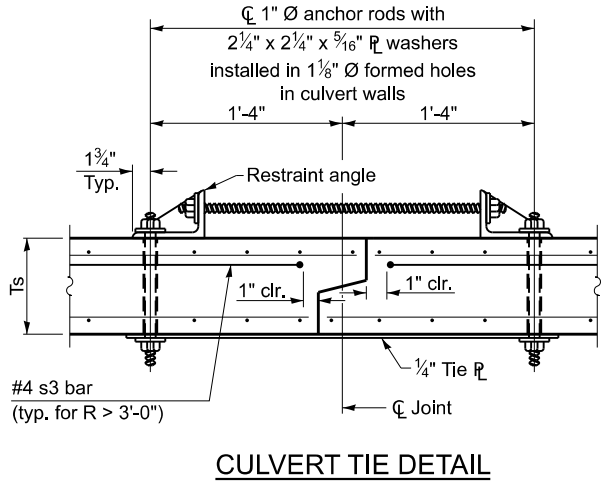


TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	182
Stone Riprap, Class A4	Sq. Yd.	86
Filter Fabric	Sq. Yd.	86
Removal of Existing Structures No. 1	Each	1
Structure Excavation	Cu. Yd.	186
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	56
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts 7'x4'	Foot	55
Geocomposite Wall Drain	Sq. Yd.	86
Membrane Waterproofing System for Buried Structures	Sq. Yd.	86
Rock Fill - Foundation	Ton	84

NOTES

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the bottom of the proposed pavement to the bottom of the box culvert. This area is included in the Porous Granular Embankment pay item. The cost of the 6-inch thick layer of porous granular material required under the concrete box culvert, according to Section 540.06 of the Standard Specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required. The contractor shall halt the excavation at the bottom of the 6" porous granular material under the culvert and request a soils test from IDOT District 9. The District Geotechnical Engineer will evaluate the need for additional excavation and determine the limits of Rock Fill - Foundation. The last two precast barrel sections at each end shall be tied together using culvert ties as shown on this sheet. Cost included in Precast Concrete Box Culverts of the size specified in the plans



Notes:
1" diameter anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4"x2 1/4"x5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DETAILS
STRUCTURE NO. 083-7110

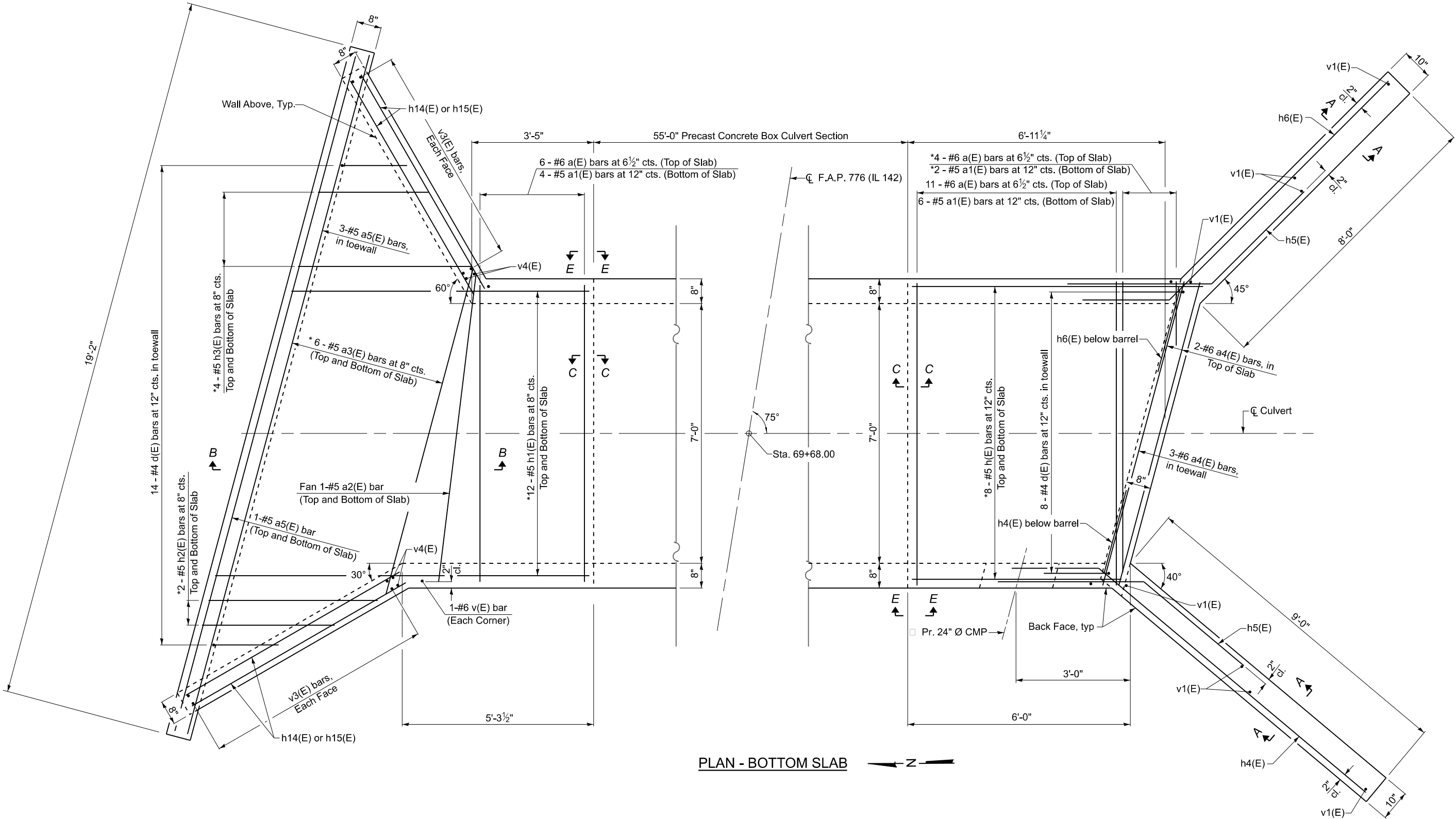
SHEET 2 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

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PLOT SCALE =	CHECKED RJP	REVISED -
PLOT DATE =	DRAWN AMS	REVISED -
	CHECKED RJP	REVISED -

* Order a(E), a1(E), a3(E), h(E), and h1(E) thru h3(E) bars full length and cut to fit. Balance of bar to be used in opposite end of culvert.

Notes:
See Sheet 5 of 7 for Sections A-A and B-B.
See Sheet 6 of 7 for Sections C-C and E-E.
See Sheet 6 of 7 for additional culvert details and Bill of Material.



PLAN - BOTTOM SLAB

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KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors
616 N. 24TH ST. QUINCY, ILLINOIS 62301 217.223.3670
STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

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PLOT DATE =	CHECKED RJP	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

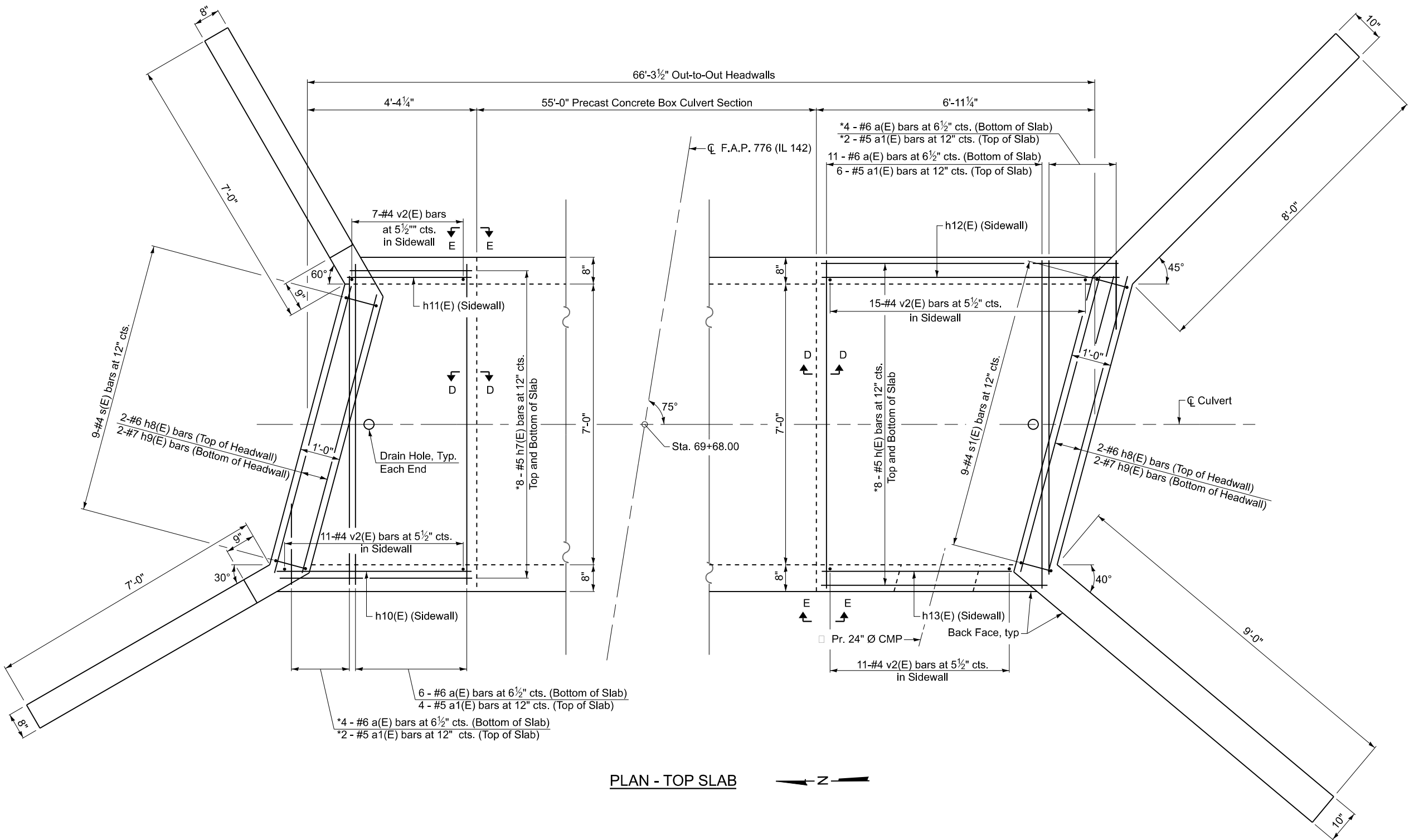
CULVERT PLAN - BOTTOM SLAB
STRUCTURE NO. 083-7110

SHEET 3 OF 7 SHEETS

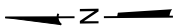
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CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

* Order a(E), a1(E), h(E), and h7(E) bars full length and cut to fit. Balance of bar to be used in opposite end of culvert.

Notes:
See Sheet 5 of 7 for Sections A-A and B-B.
See Sheet 6 of 7 for Sections D-D and E-E.
See Sheet 6 of 7 for additional culvert details and Bill of Material.



PLAN - TOP SLAB



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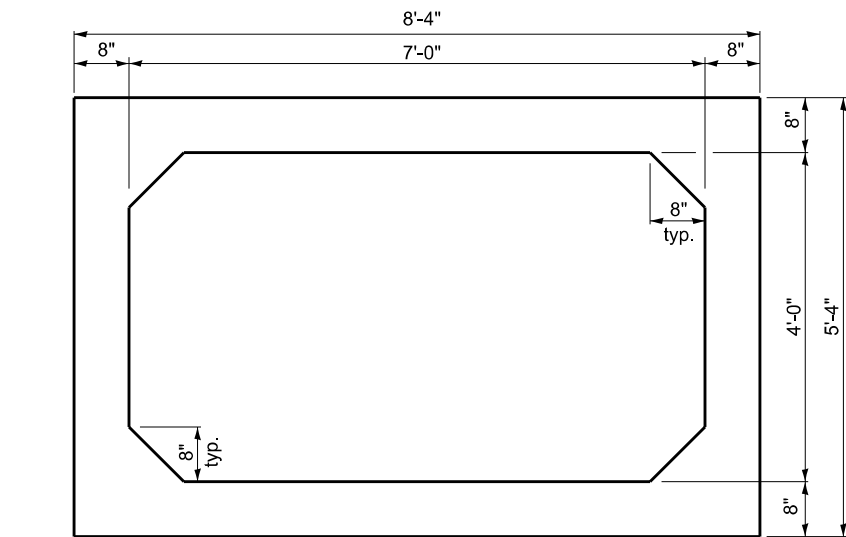
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT PLAN - TOP SLAB
STRUCTURE NO. 083-7110

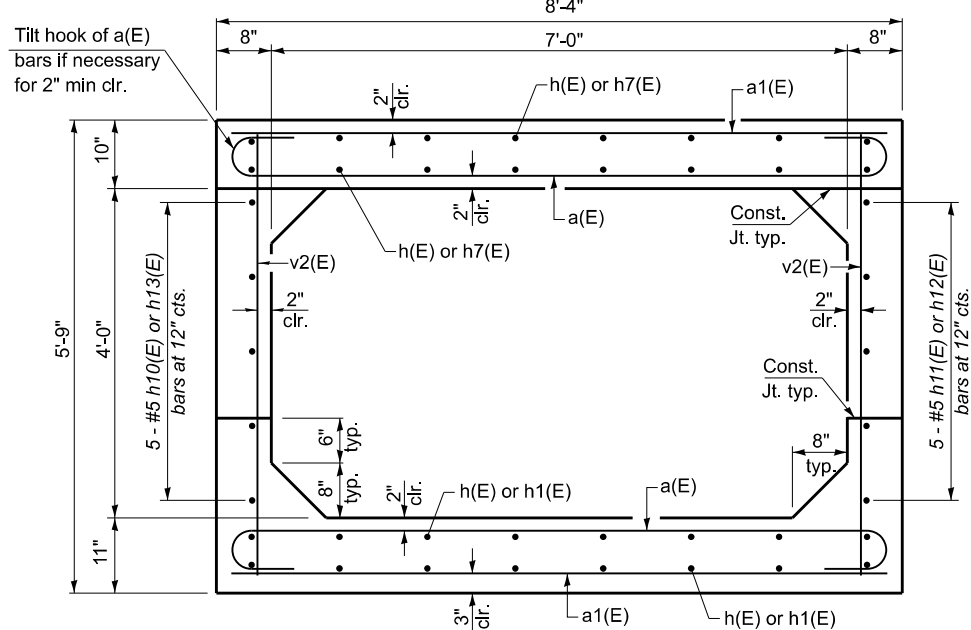
SHEET 4 OF 7 SHEETS

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ILLINOIS FED. AID PROJECT				

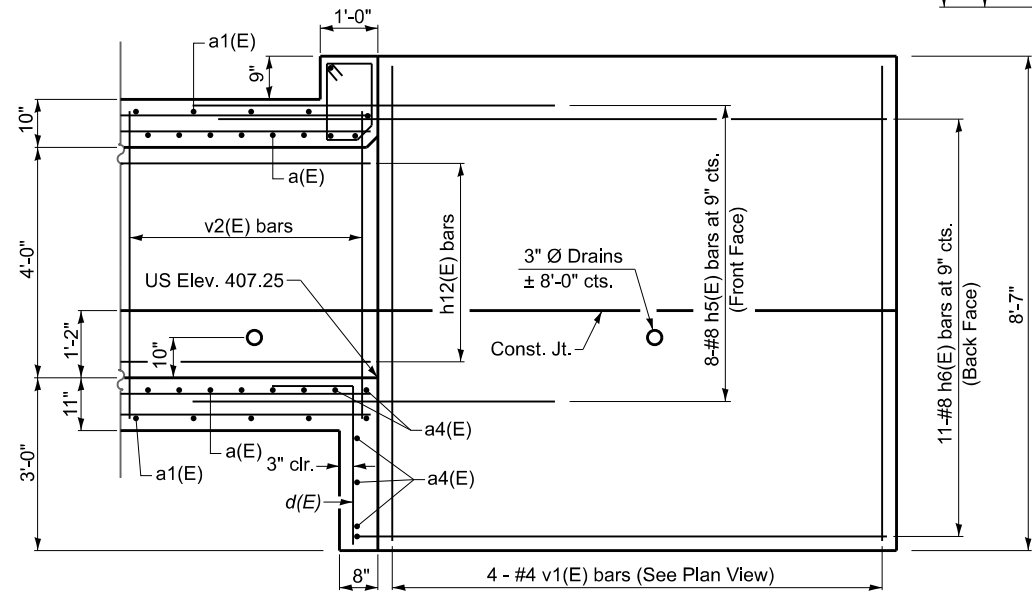
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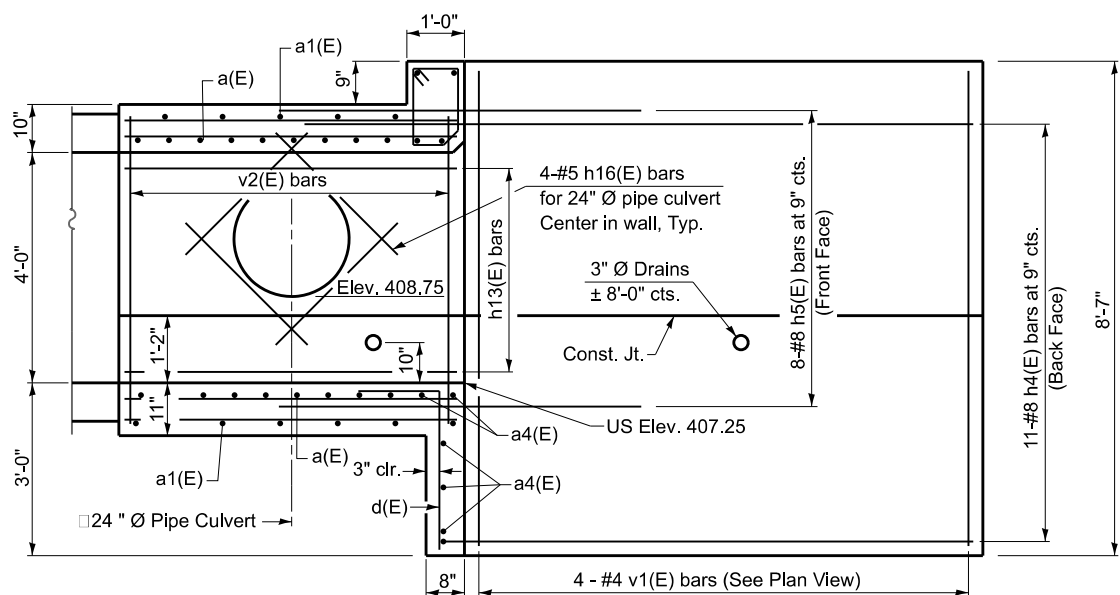
SECTION THRU PRECAST BARREL



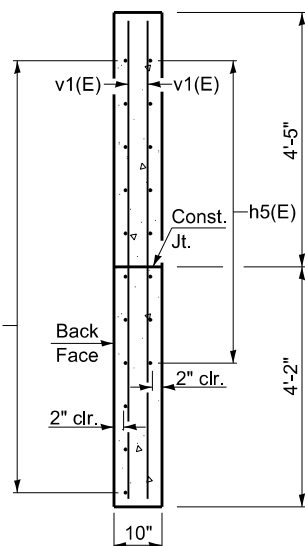
SECTION THRU CAST-IN-PLACE BARREL
(Looking North)



LONGITUDINAL SECTION - SOUTHEAST WINGWALL

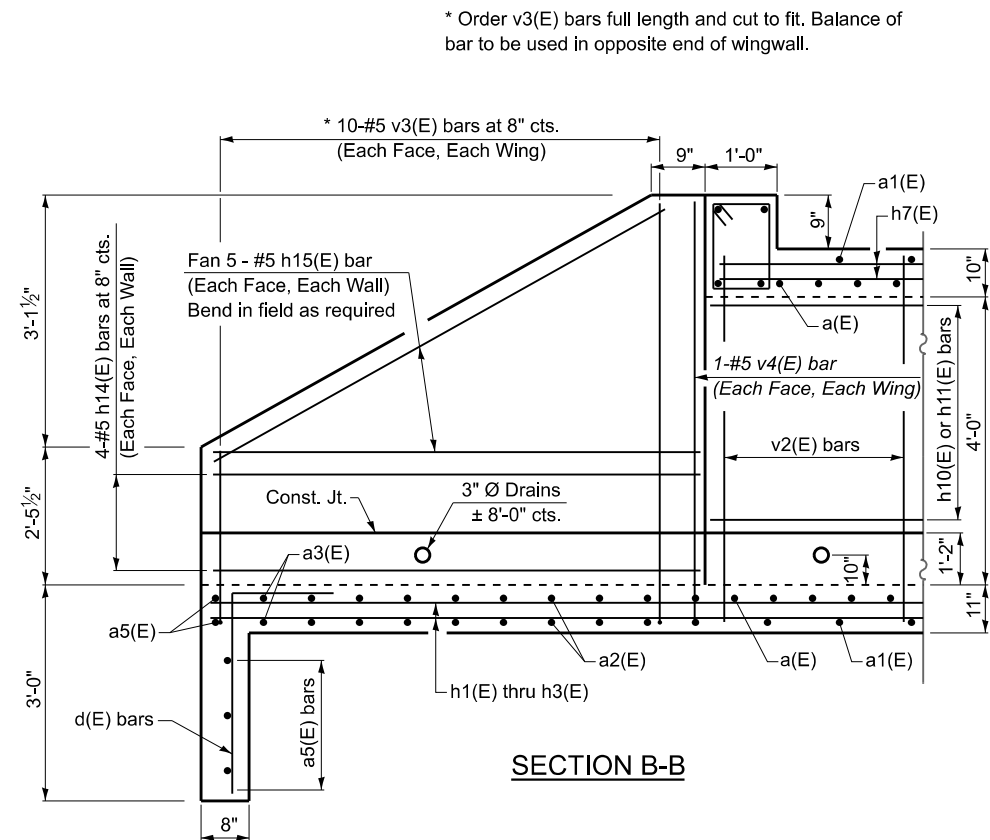


LONGITUDINAL SECTION - SOUTHWEST WINGWALL

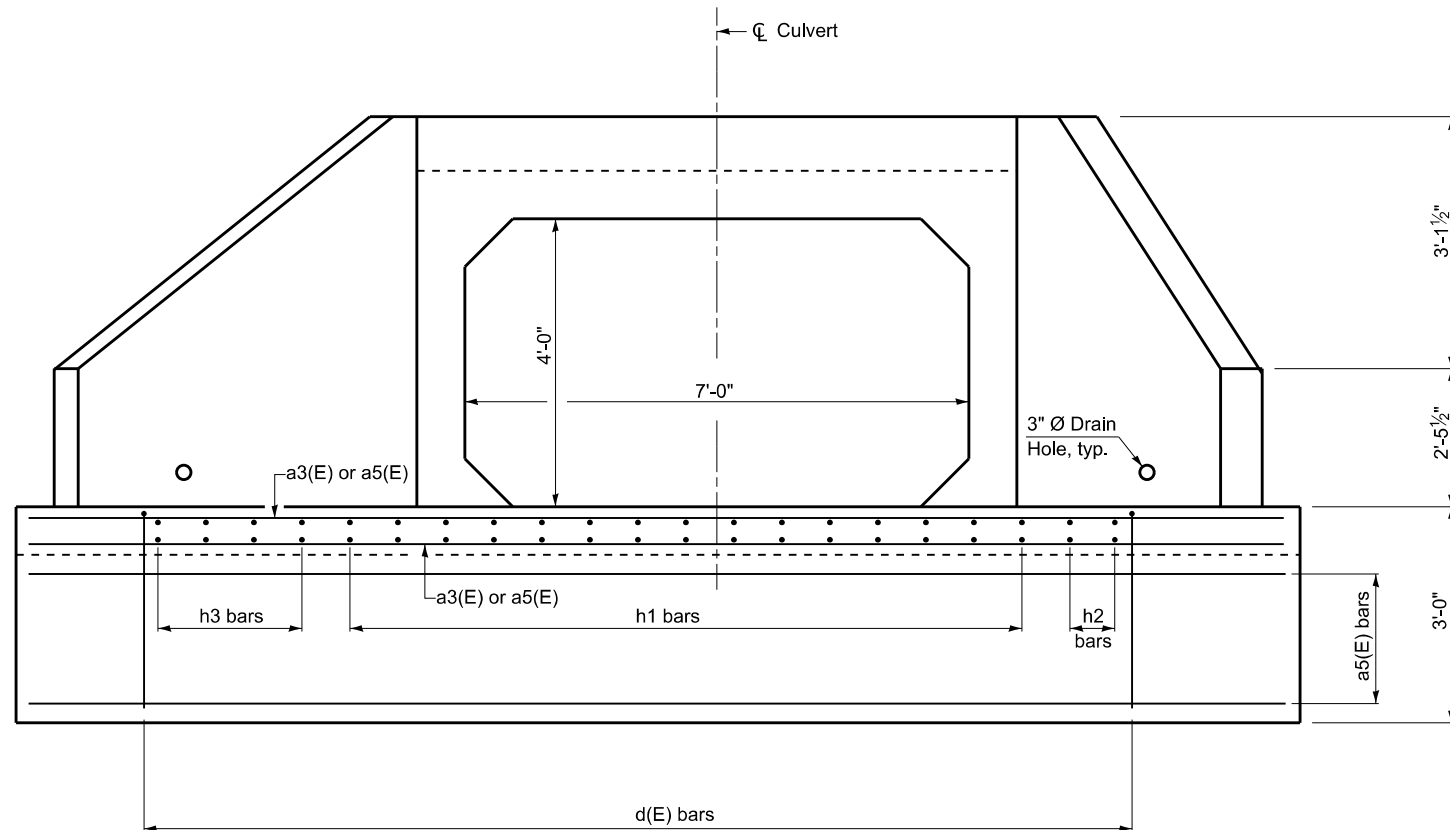


SECTION A-A

Notes:
See Sheet 3 of 7 for Bottom Slab Plan.
See Sheet 4 of 7 for Top Slab Plan.
See Sheet 6 of 7 for additional culvert details and Bill of Material.



SECTION B-B



NORTH END SECTION

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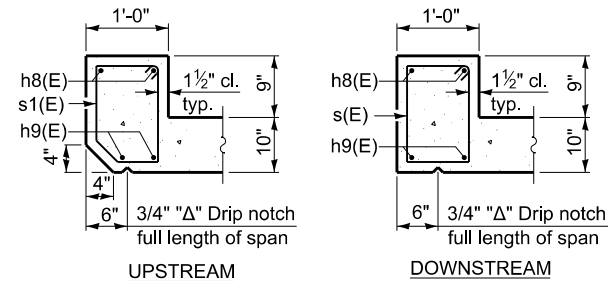
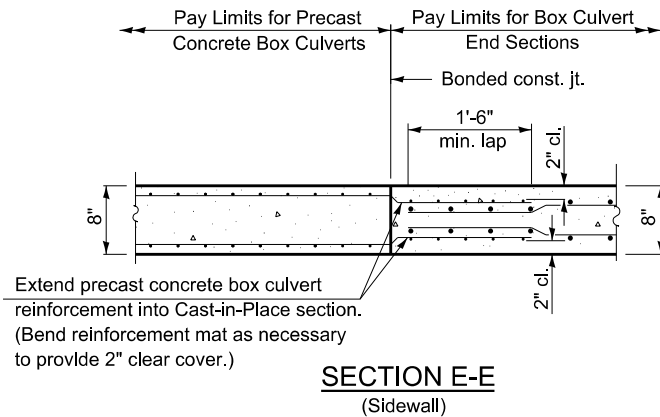
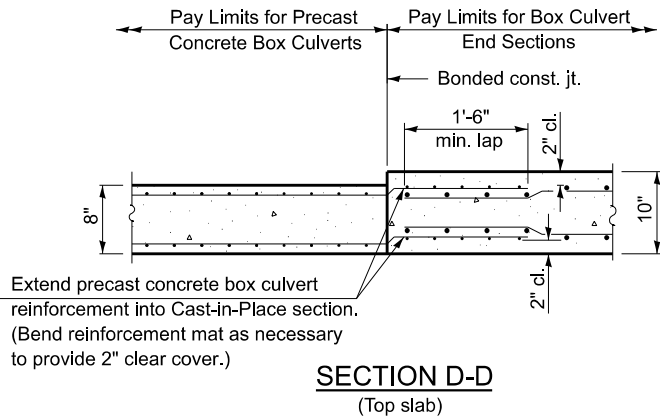
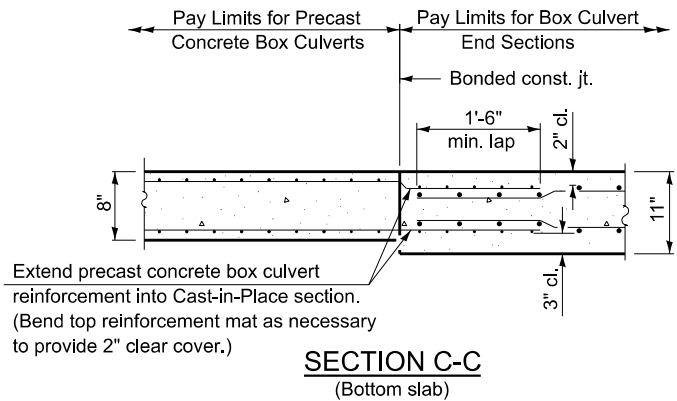
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 083-7110

SHEET 5 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

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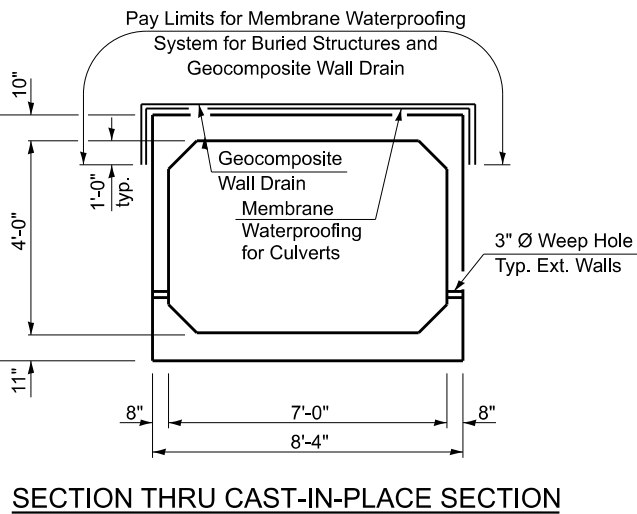
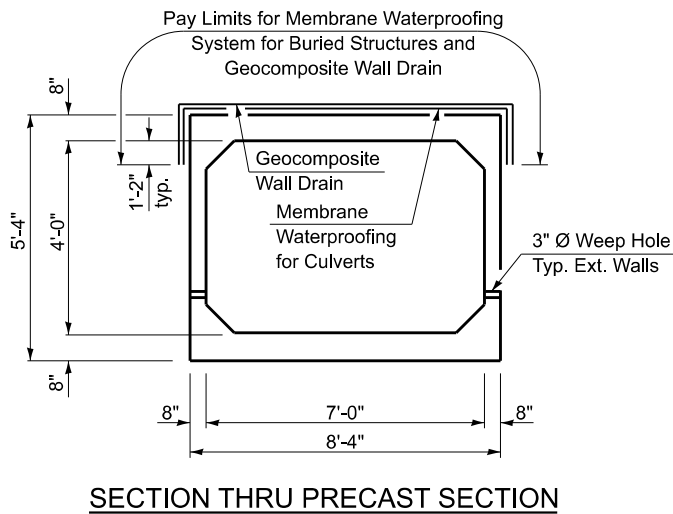


SECTION THRU HEADWALL

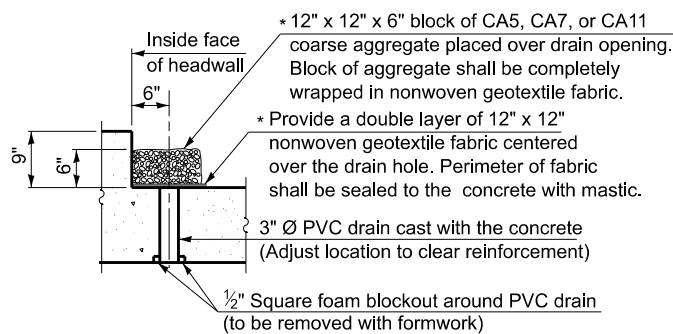
BILL OF MATERIAL
CIP END SECTIONS
(FOR INFORMATION ONLY - 2 TOTAL)

Bar	No.	Size	Length	Shape
a(E)	40	#6	9'-4"	
a1(E)	23	#5	8'-0"	
a2(E)	2	#5	8'-2"	
a3(E)	6	#5	29'-2"	
a4(E)	5	#6	8'-3"	
a5(E)	5	#5	18'-10"	
d(E)	22	#4	4'-5"	
h(E)	16	#5	13'-3"	
h1(E)	12	#5	18'-0"	
h2(E)	2	#5	7'-9"	
h3(E)	4	#5	7'-5"	
h4(E)	11	#8	12'-0"	
h5(E)	16	#8	8'-0"	
h6(E)	11	#8	11'-0"	
h7(E)	8	#5	7'-10"	
h8(E)	4	#6	8'-3"	
h9(E)	4	#7	8'-3"	
h10(E)	5	#5	4'-8"	
h11(E)	5	#5	3'-0"	
h12(E)	5	#5	7'-7"	
h13(E)	5	#5	5'-8"	
h14(E)	16	#5	6'-8"	
h15(E)	20	#5	6'-9"	
h16(E)	4	#5	3'-6"	
s(E)	9	#4	4'-11"	
s1(E)	9	#4	4'-9"	
v(E)	4	#6	5'-4"	
v1(E)	8	#4	8'-3"	
v2(E)	44	#4	5'-4"	
v3(E)	20	#5	11'-1"	
v4(E)	4	#5	7'-1"	
Reinforcement Bars, Epoxy Coated			Pound	3,800
Concrete Box Culverts			Cu. Yd.	18.3

* Reinforcement Bars and Concrete Box Culverts will not be paid for separately, but will be included in the cost of Box Culvert End Sections, Culvert No. 1 (See Std. specifications)



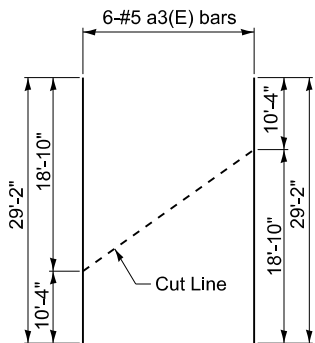
MEMBRANE WATERPROOFING DETAILS



DRAIN DETAIL

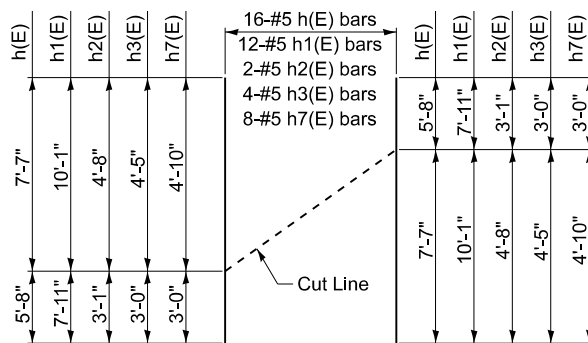
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections, Culvert No. 1)

* 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.



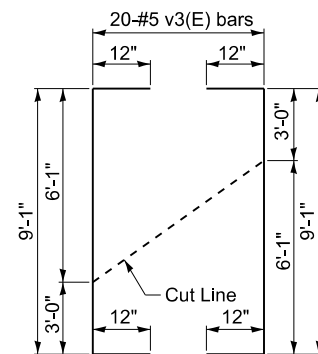
FIELD CUTTING DIAGRAM

Note:
Order a3(E) bars full length. Cut as shown and use remainder of bars in opposite end.



FIELD CUTTING DIAGRAM

Note:
Order all bars full length. Cut as shown and use remainder of bars in opposite end.



FIELD CUTTING DIAGRAM

Note:
Order v3(E) bars full length. Cut as shown and use remainder of bars in opposite end.

Page 1 of 1

Date 9/6/25

ROUTE IL 142 DESCRIPTION Box Culvert over Creek LOGGED BY L. Estel

SECTION 125CR-1; 125CR-2 **LOCATION** 1.1 mi SE of US 45, SEC. 27, TWP. 8S, RNG. 7E, PM

COUNTY Saline DRILLING METHOD HSA (8" O.D.; 3.25" I.D.) HAMMER TYPE Auto SPT 140 lb

STRUCT. NO. 083-7053
Station 69+68

BORING NO. 1-S
Station 69+50
Offset 5.0ft Lt
Ground Surface Elev. 413.2

DEPTH
(ft)B
L
O
W
S

U
C
S
Qu
(tsf

MOIST
(%)

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:		
▽ First Encounter	403.7	ft
▽ Upon Completion		ft
▽ After _____ Hrs.		ft

6" HMA, 8" CONCRETE
Pavement

Soft Grey, Moist SILTY LOAM

	406.20
Dense Brown, Weak SANDSTONE	

Hard Brown and Grey, Layered
SANDSTONE with CLAY SHALE

Bottom of Hole at 11 Feet

Free Water Encountered at 9.5 Feet.

To Convert "N" Values to "N60",
Multiply By 1.557; Hammer
Efficiency = 93.4%.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating 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)

File Name S:\MATERIALS GEOTECHNICAL UNIT\GINT\PROJECTS\PROJECTS FILE\SALINE 083\STRUCTURES\083-7053 IL 142 OVER CREEK 2025.GPJ Data Template D8\TEMPL.T.GDT Date Printed 10/27/2025
Latitude 37.800931 Longitude -88.422669 Datum NAD83 Job Number

BORING 1-S

KLINGNER
& ASSOCIATES, P.C.

USER NAME =	DESIGNED AMS
	CHECKED RJP
PLOT SCALE =	DRAWN AMS
PLOT DATE =	CHECKED RJP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

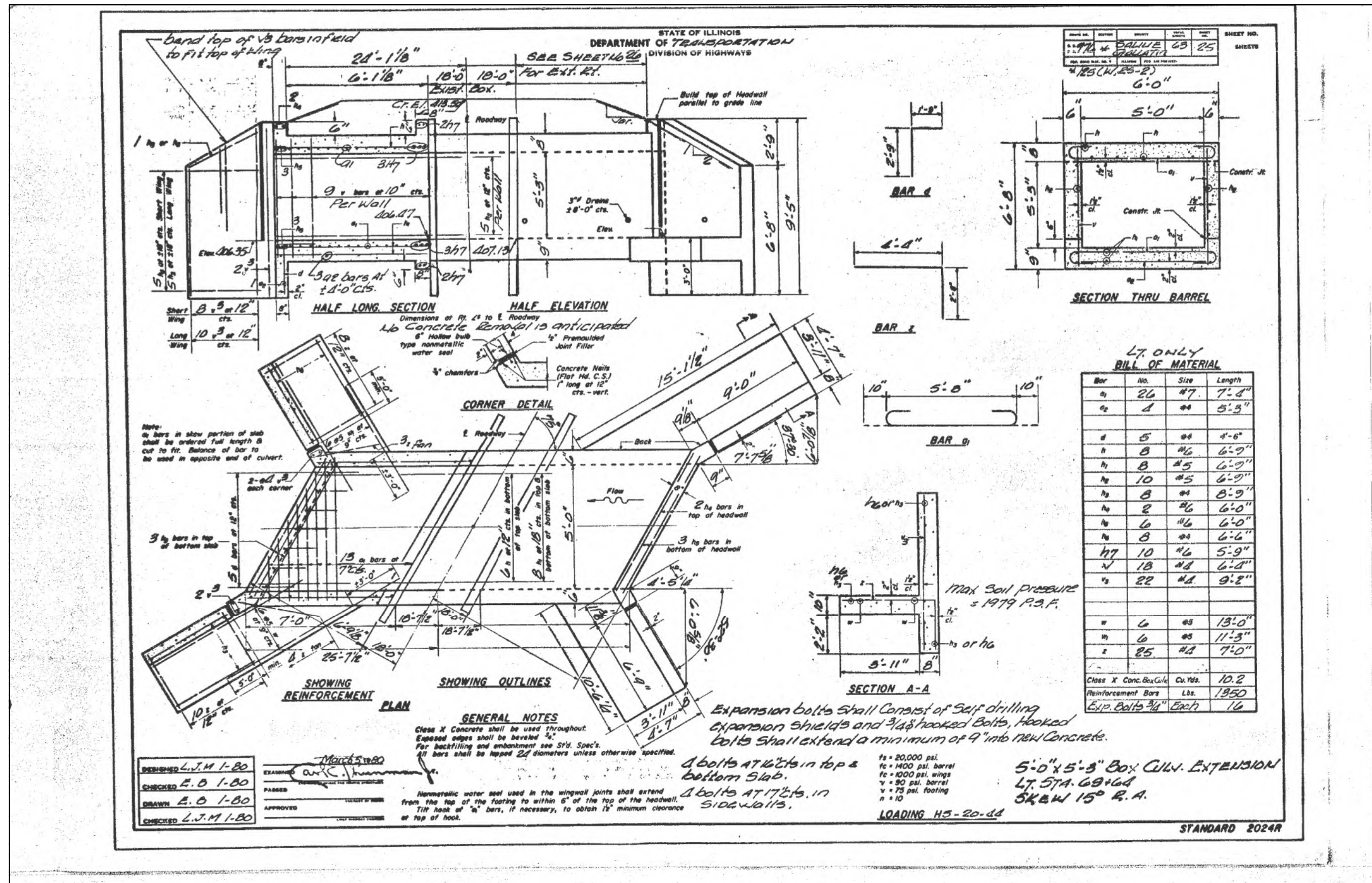
**SOIL BORING
STRUCTURE NO. 083-7110**

SHEET 7 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 78A98		
ILLINOIS		FED. AID PROJECT		

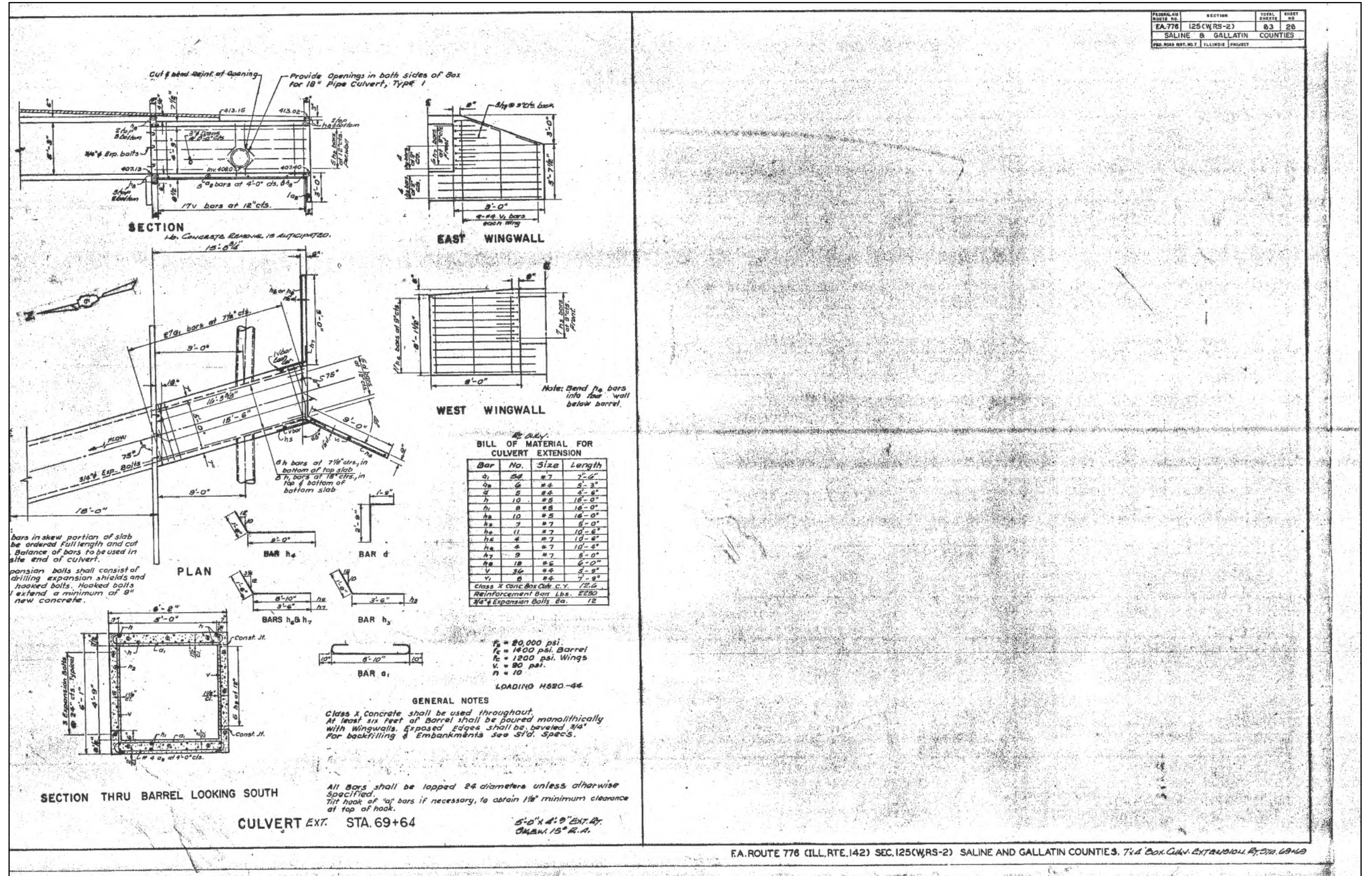
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3/18/2026 11:53:02 AM



FOR INFORMATION PURPOSES ONLY
(EX. SN 083-7053)

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	DRAWN AMS	REVISED -							776	125CR-1; 125CR-2	SALINE	47	24
	CHECKED RJP	REVISED -							CONTRACT NO. 78A98				
PLOT DATE = 3/18/2026	DATE 2/16/2026	REVISED -		SCALE: N/A		SHEET 1	OF 2	SHEETS	STA.	TO STA.			



FOR INFORMATION PURPOSES ONLY
(EX. SN 083-7053)

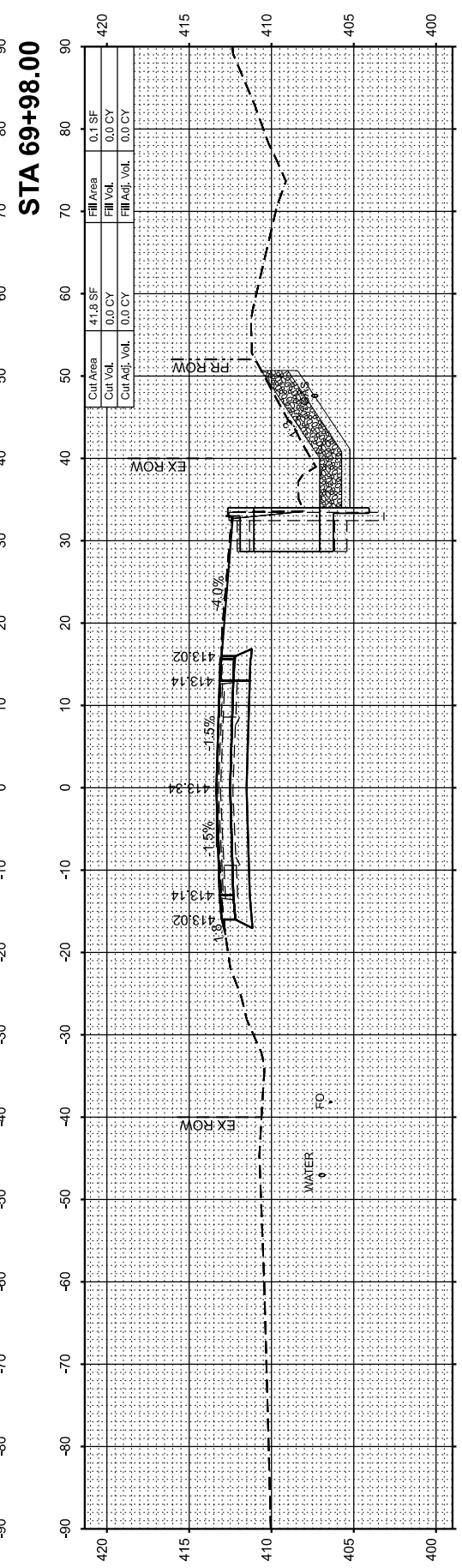
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	CHECKED RJP	REVISED -					CONTRACT NO. 78A98				
PLOT DATE = 3/18/2026	DATE 2/16/2026	REVISED -		SCALE: N/A	SHEET 2 OF 2 SHEETS	STA. TO STA.					

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

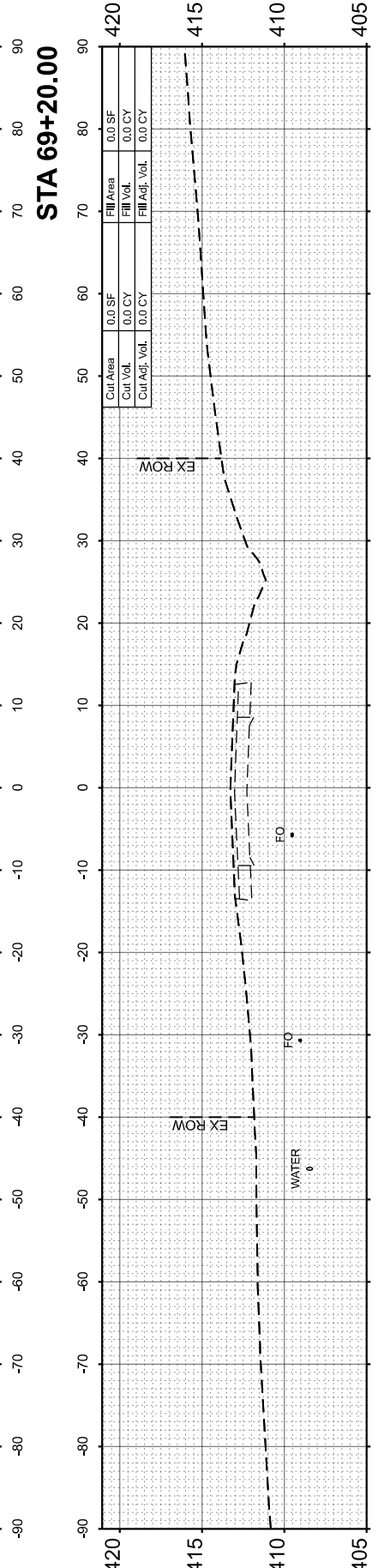
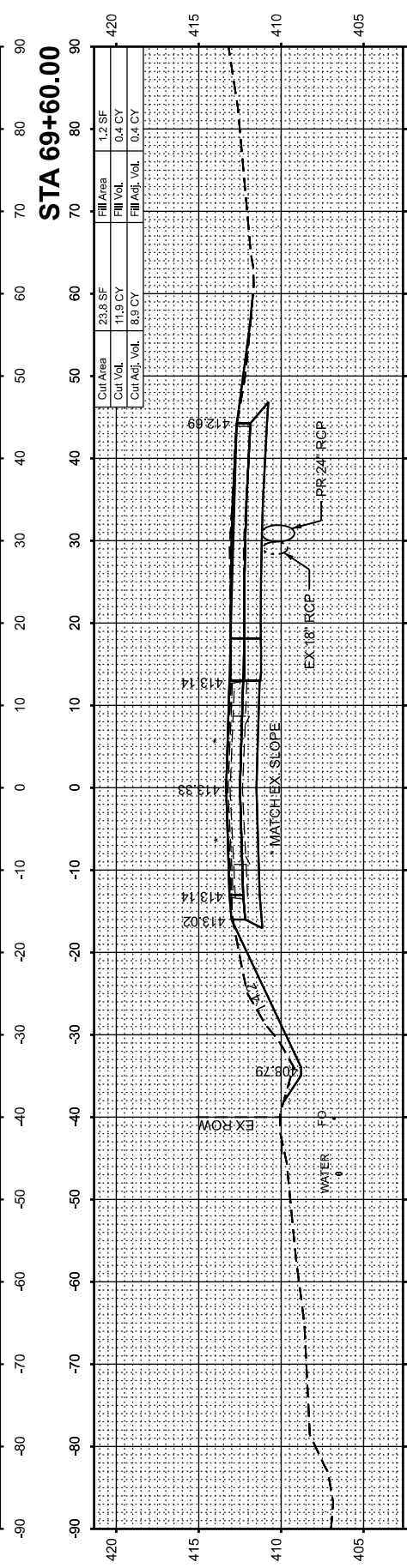
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AREAS
AREAS CHECKED

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*** SEE SHEET 2 OF 2 FOR SECTION ALONG CENTERLINE OF PROPOSED STRUCTURE**



STA 69+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1;125CR-2	SALINE	47	26
		CONTRACT NO. 78A98		
ILLINOIS		FED. AID PROJECT		

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

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

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STATE OF ILLINOIS DESIGN FIRM NO. 164-2738

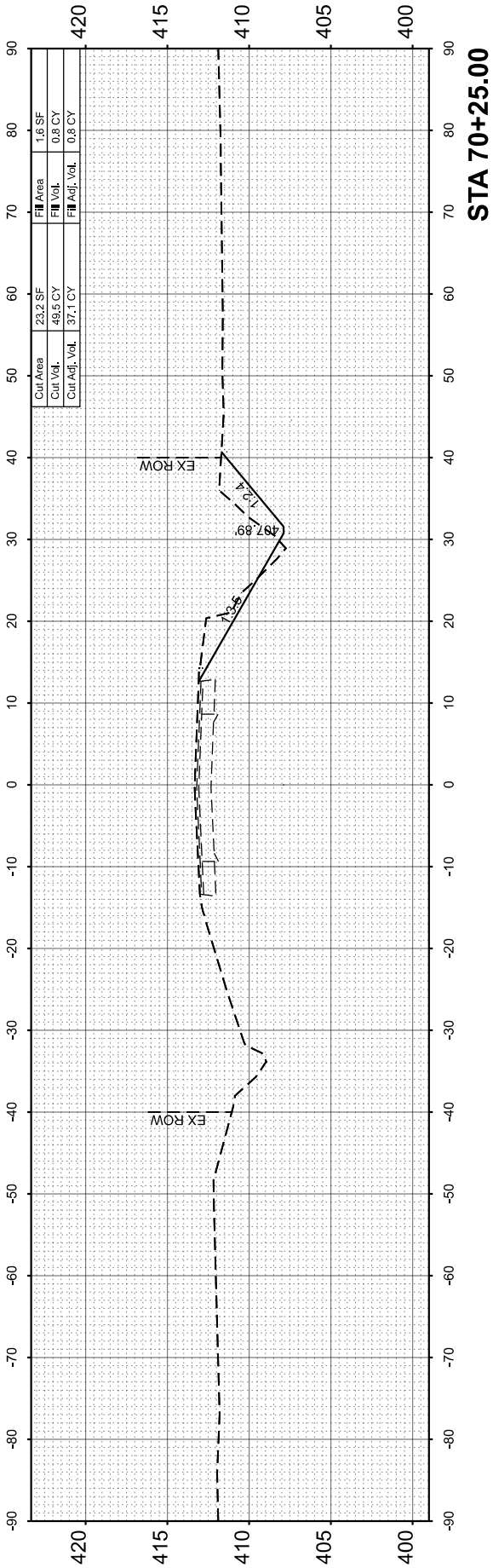
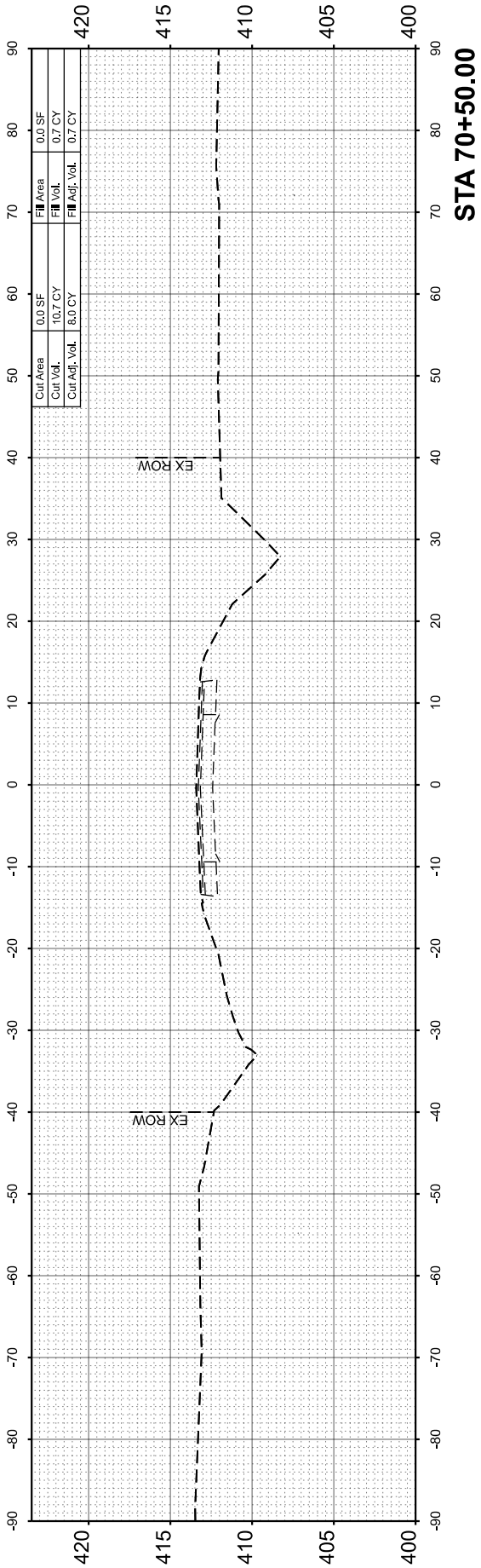
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PLOT DATE = 3/18/2026	DATE - 3/9/2026	REVISED -

STATE OF ILLINOIS
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F.A.P. ROUTE 776 (IL 142)
SN 083-7110 CROSS SECTIONS

SCALE: $\frac{1"=10'H}{1"=5'V}$ SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	27
CONTRACT NO. 78A98				
		ILLINOIS	FED. AID PROJECT	



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

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

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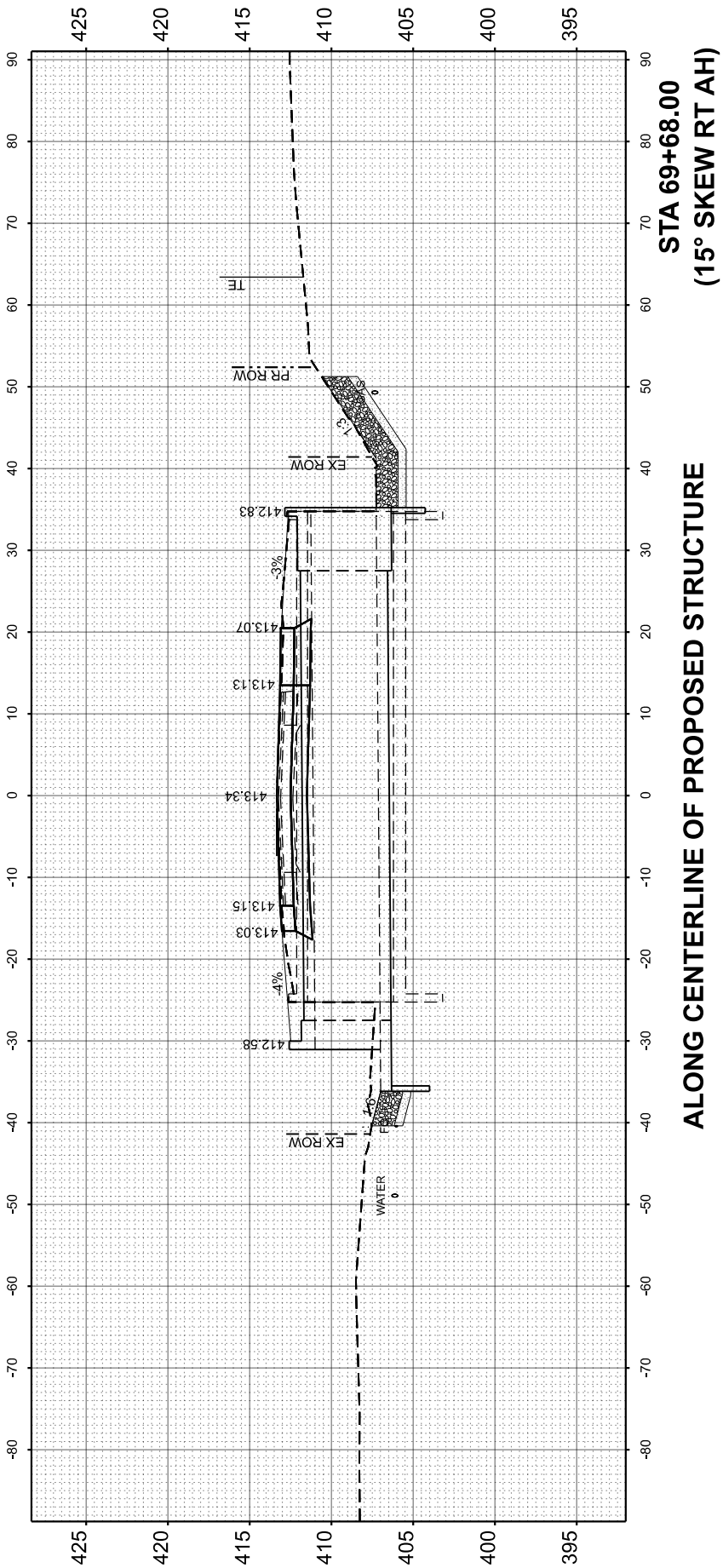
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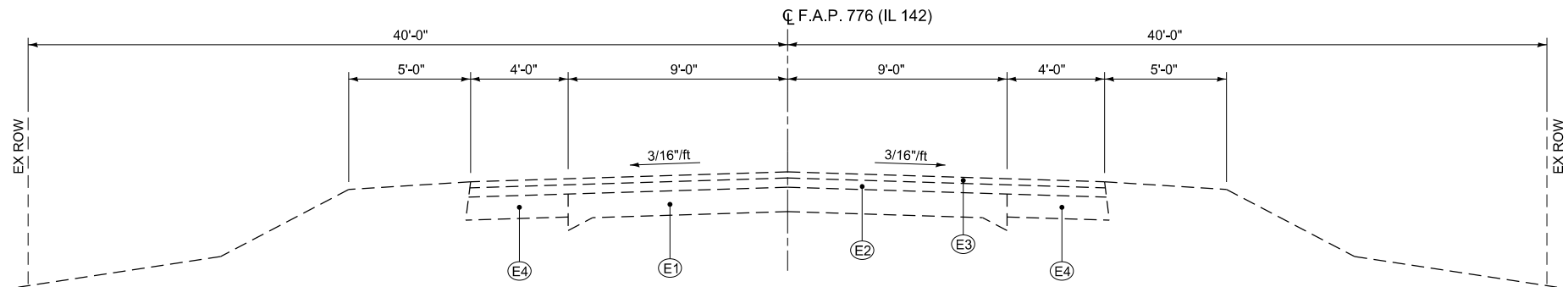
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 776 (IL 142)
SN 083-7110 CROSS SECTIONS

SCALE: $\frac{1}{16"=1'}$	SHEET 3 OF 3 SHEETS	STA. 69+68.00 TO STA. 69+68.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 78A98		
ILLINOIS		FED. AID PROJECT		

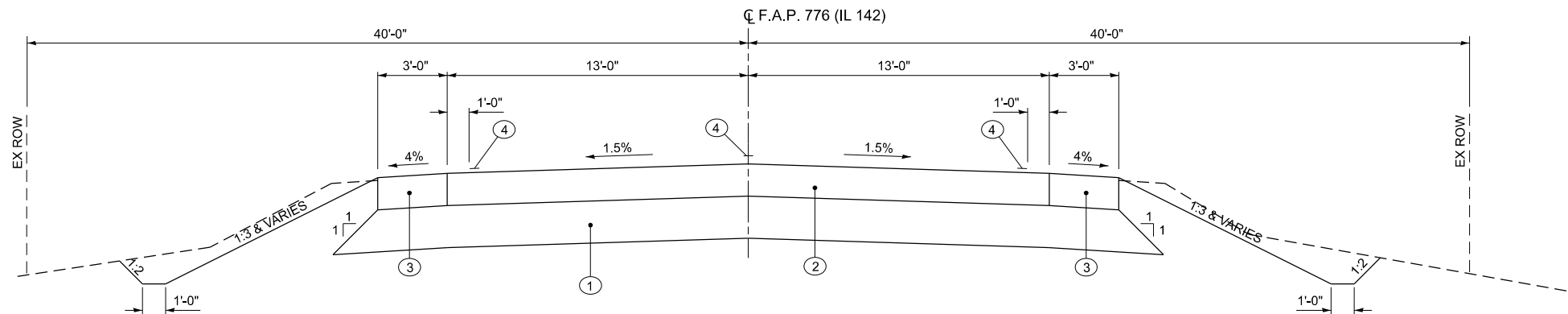




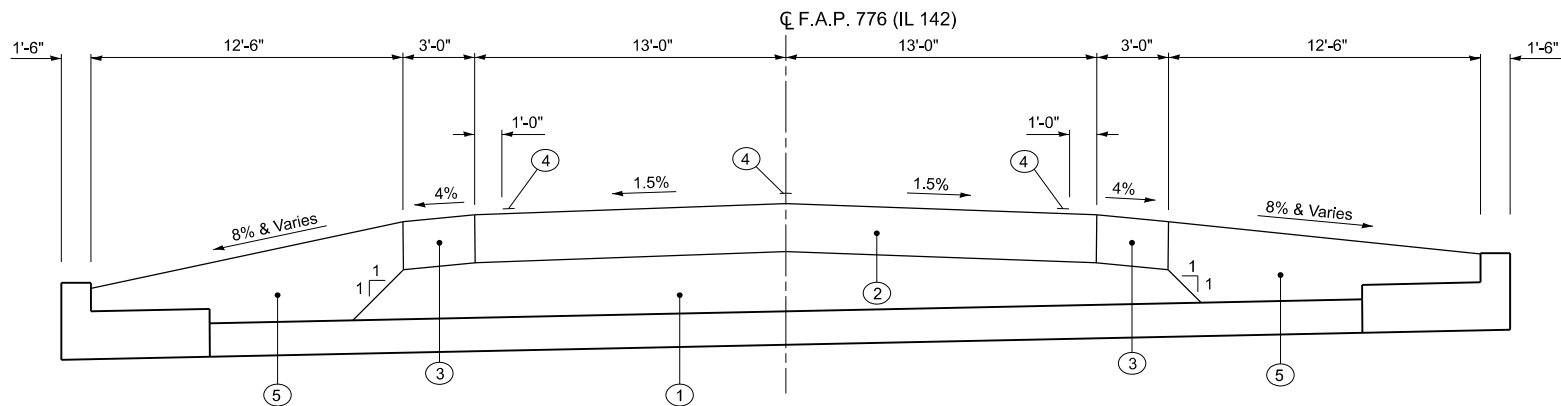
EXISTING TYPICAL SECTION
STA. 124+59.20 TO STA. 100+60.00

LEGEND

- (E1) EXISTING CONCRETE PAVEMENT (9-6-9)
- (E2) EXISTING BITUMINOUS CONCRETE BINDER COURSE, 1 1/2" MIN.
- (E3) EXISTING BITUMINOUS CONC SURFACE COURSE (1 1/2")
- (E4) EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING 9"
- (1) PROPOSED POROUS GRANULAR EMBANKMENT
- (2) PROPOSED PCC PAVEMENT 10"
- (3) PROPOSED PCC SHOULDERS 10"
- (4) PROPOSED PAVEMENT MARKING - LINE 4"
- (5) EARTH FILL



PROPOSED TYPICAL SECTION
STA. 124+59.20 TO STA. 100+60.00



PROPOSED TYPICAL SECTION
SN 083-7111

MODEL: Typical 2 (Sheet)
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PLOT DATE = 2/17/2026	DATE 1/9/2026	REVISED -

DESIGNED AMS	REVISED -
DRAWN AMS	REVISED -
CHECKED EBB	REVISED -
DATE 1/9/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 776 (IL 142) SN 083-7111 TYPICAL SECTIONS			
SCALE: N/A	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	29
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

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USER NAME = aschafer
PLOT DATE = 2/17/2026

DESIGNED -
DRAWN -
CHECKED -
DATE -

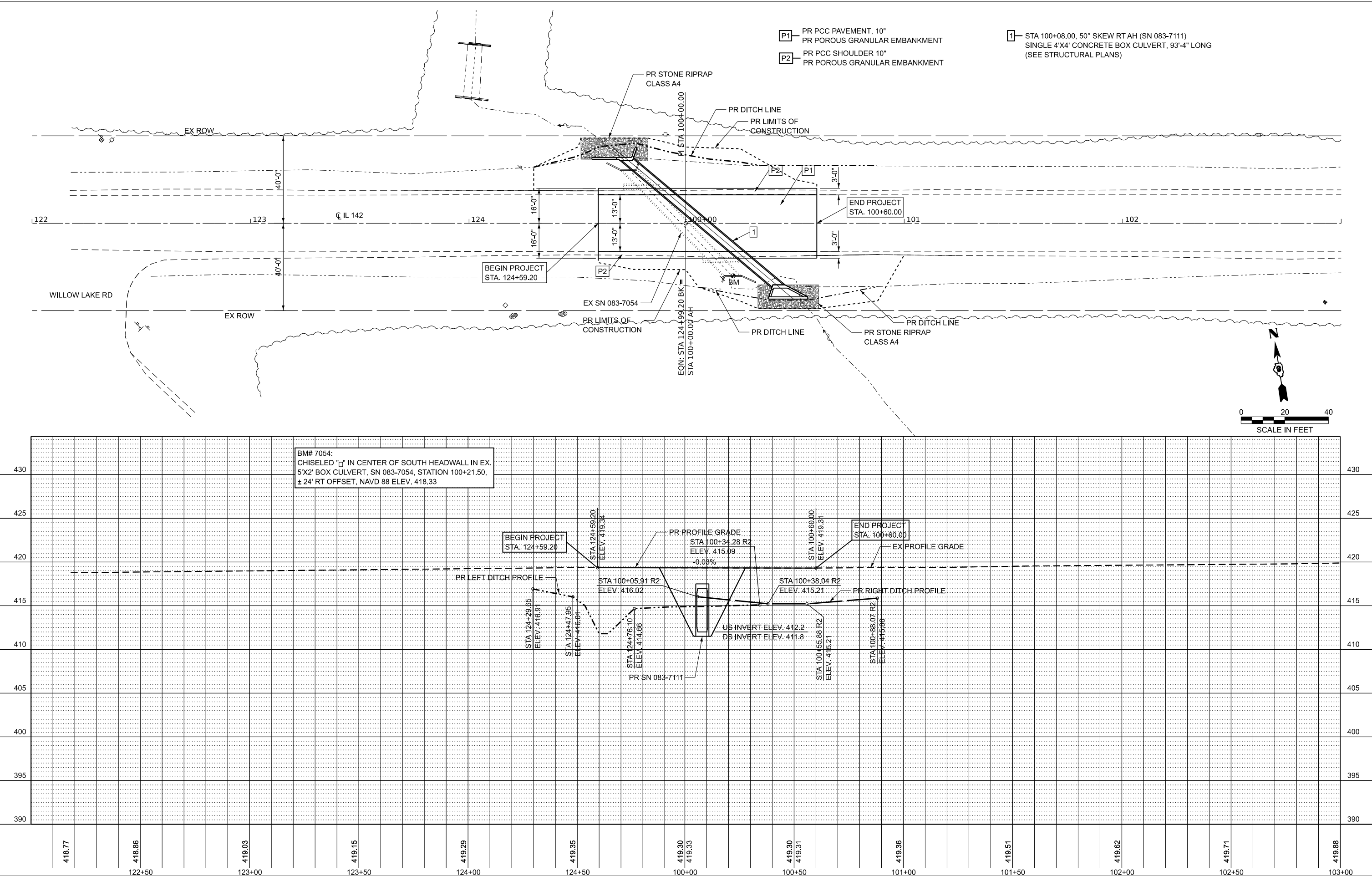
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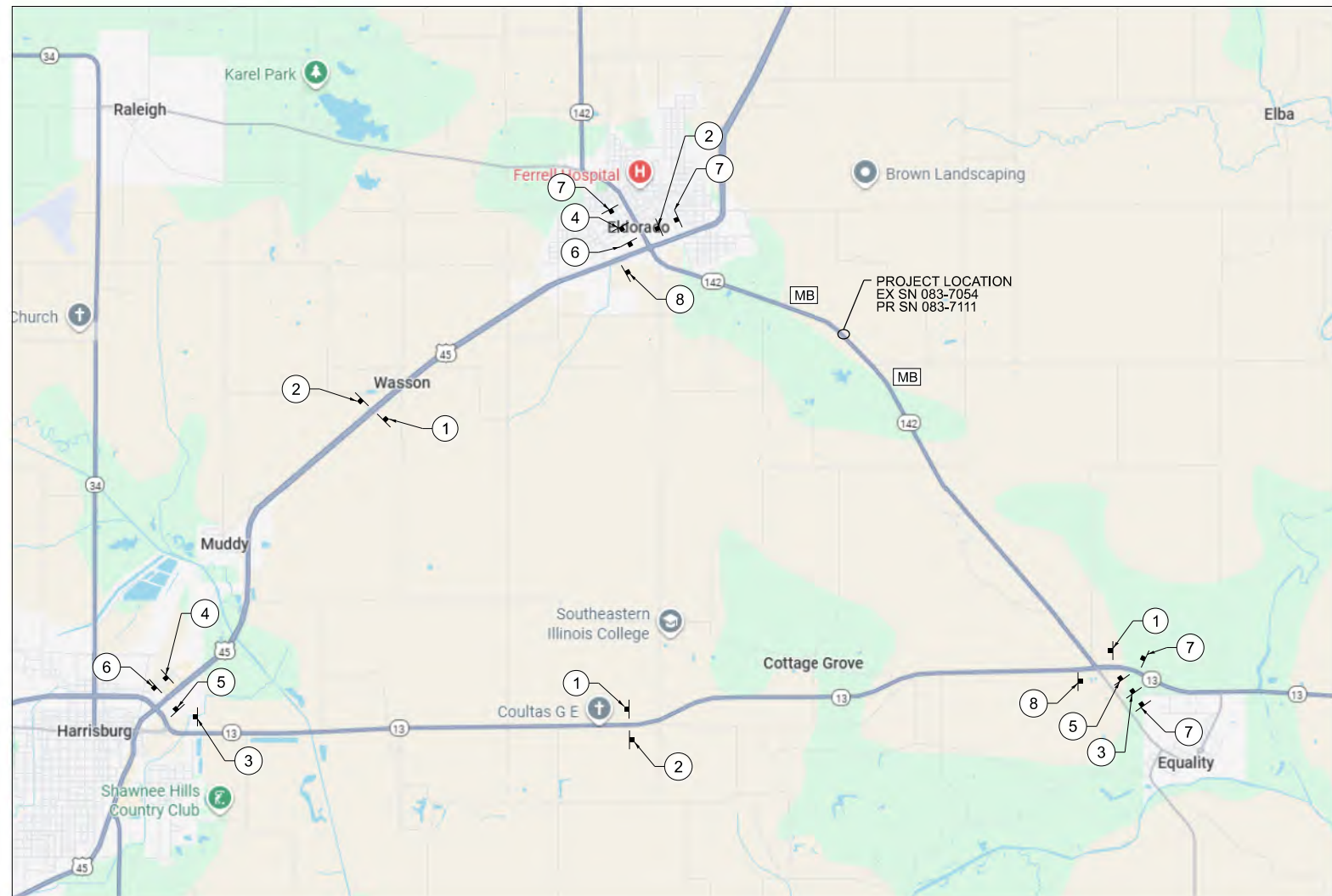
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 776 (IL142)
SN 083-7111 PLAN AND PROFILE

SCALE: 1"=20'
SHEET 1 OF 1 SHEETS
STA. 122+00.00 TO STA. 103+00.80 R2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1:125CR-2	SALINE	47	30
CONTRACT NO. 78A98				
ILLINOIS		FED. AID PROJECT		





1. THE CONTRACTOR HAS THE OPTION OF USING METAL POSTS INSTEAD OF WOOD.
2. THE SIGNS SHALL BE BLACK ON ORANGE. THE POSTS SHALL BE PLACED 12 FEET FROM THE EDGE OF PAVEMENT AS DIRECTED BY THE ENGINEER.
3. ALL SIGNS AND HARDWARE REQUIRED TO INSTALL THE DETOUR ROUTE SIGNING SHALL BE INCLUDED IN THE COST OF DETOUR SIGNING.
4. SIGNS SHALL BE REMOVED ON COMPLETION OF THE CONTRACT AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 724. THIS WORK WILL NOT BE PAID FOR. THE SIGNS AND POSTS SHALL BECOME PROPERTY OF THE CONTRACTOR.
5. THE RELOCATING, MAINTENANCE OR REPLACEMENT OF SIGNS SHALL BE INCLUDED IN COST OF DETOUR SIGNING.
6. EXACT SIGN PLACEMENT WILL BE DETERMINED BY THE ENGINEER.
7. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE ROAD CLOSURE IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR.
8. THE DISTRICT 9 OPERATIONS ENGINEER SHALL BE CONTACTED 10 DAYS PRIOR TO ERECTION OF THE SIGNS.
9. THE SIGNS ON THIS SHEET WILL BE USED FOR THE REPLACEMENT OF BOTH STRUCTURES.
10. TYPE III BARRICADES WITH ROAD CLOSED SIGNS AS SHOWN ON HIGHWAY STANDARD 701901 SHALL BE ERECTED AT EACH END OF THE WORK SITE DURING ROAD CLOSURE.
11. ROAD CLOSURE ACCORDING TO TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21.
12. THE CONTRACTOR SHALL COVER OR REMOVE ALL DETOUR SIGNS WHEN THE DETOUR IS NOT IN EFFECT.

MB - CHANGEABLE MESSAGE BOARD - 2 REQUIRED
(NOTIFICATION - 2 WEEKS PRIOR TO START OF WORK
AND DURATION OF THE CLOSURE)

ILLINOIS
142
WILL BE
CLOSED

XX
MILES
AHEAD

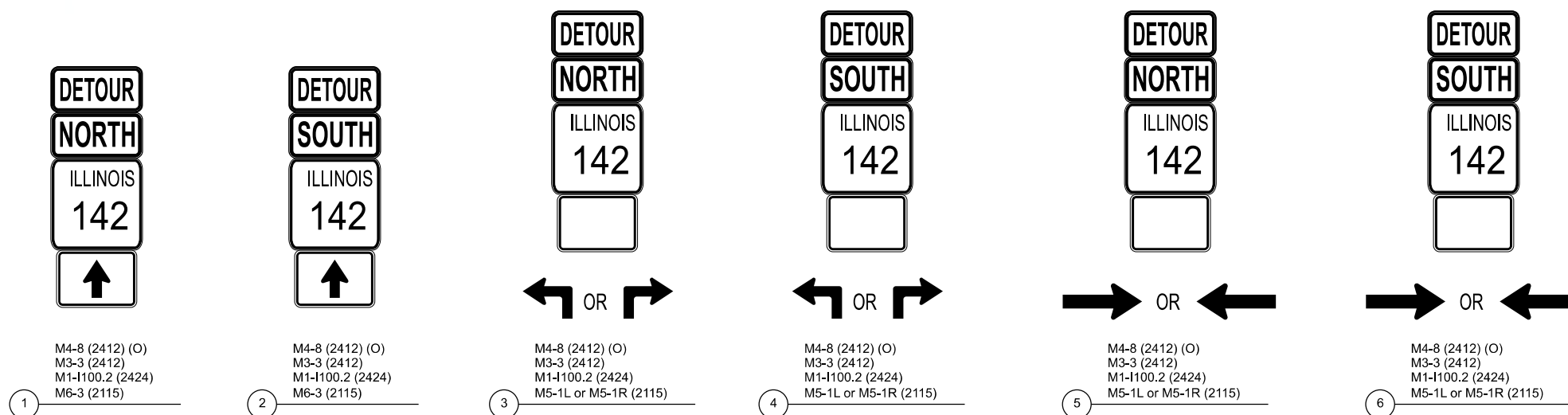
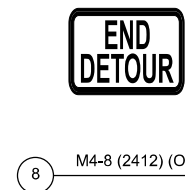
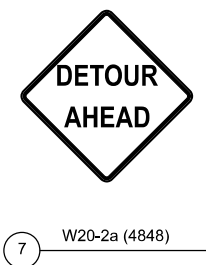
DATE
TO
DATE

ILLINOIS
142
CLOSED

XX
MILES
AHEAD

DATE
TO
DATE

* EXACT MESSAGE SHALL BE DETERMINED BY THE ENGINEER



USER NAME = aschafer	DESIGNED AMS	REVISED -
	DRAWN AMS	REVISED -
	CHECKED EBB	REVISED -
PLOT DATE = 2/17/2026	DATE 1/9/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 776 (IL 142)
SN 083-7111 DETOUR SIGNING

SCALE: N/A	SHEET 1 OF 1 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	31
		CONTRACT NO. 78A98		
ILLINOIS		FED. AID PROJECT		

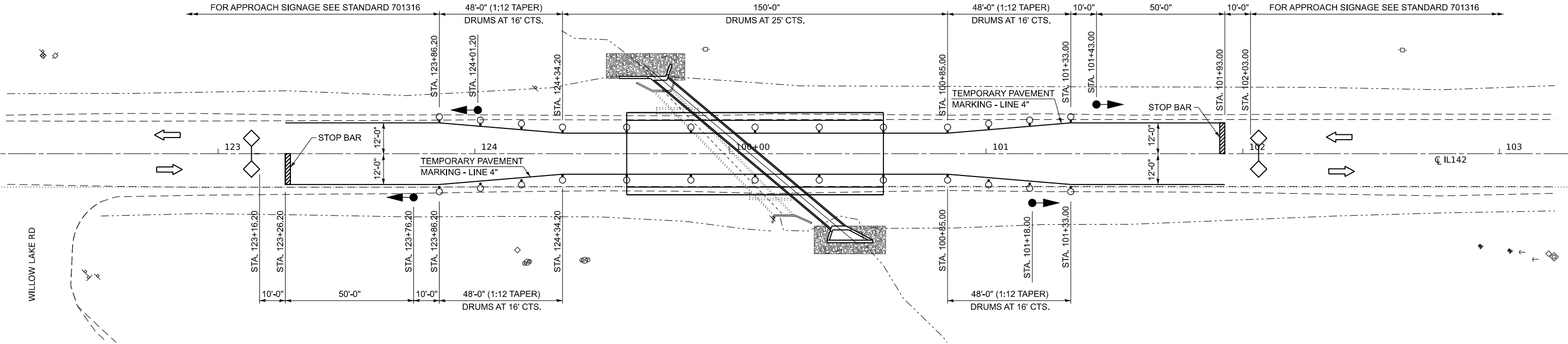
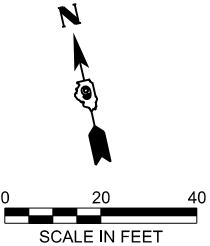
LEGEND

DIRECTION OF TRAFFIC

DRUM WITH STEADY BURNING DIRECTIONAL LIGHT

INDUCTION LOOP DETECTOR

TRAFFIC SIGNAL



SN 083-7111 STAGE CONSTRUCTION PLAN

GENERAL NOTES

1.

TRAFFIC CONTROL SHALL BE ERECTED AS SHOWN ACCORDING TO TRAFFIC CONTROL & PROTECTION, STANDARD 701316 (SPECIAL).
2.

DRUMS WITH STEADY BURNING LIGHTS, SIGNS, AND INDICATOR WILL BE INCLUDED IN THE COST OF STANDARD 701316 (SPECIAL).
3.

SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS.
4.

COORDINATE LOCATION OF SIGNALS WITH FINAL WORK AS DIRECTED BY THE ENGINEER.
5.

ADDITIONAL SIGNAGE FOR ADVANCE WIDTH RESTRICTION WARNING SHALL BE INCLUDED IN THE COST OF STANDARD 701316 (SPECIAL). THE CONTRACTOR SHALL PLACE MAX WIDTH SIGNS BEFORE IMPLEMENTING ANY STAGE TRAFFIC CONTROL.
6.

SEE STANDARD 701316 FOR COMPLETION OF STAGE CONSTRUCTION SIGNING AND ADVANCE DETECTOR LOOP PLACEMENT NOT SHOWN.
7.

THE ADVANCE DETECTOR LOOPS ARE TYPICALLY LOCATED 275 FEET IN ADVANCE OF THE STOP BAR. THE BUREAU OF OPERATIONS SHOULD APPROVE THE LOOP LOCATIONS PRIOR TO INSTALLATION.
8.

THE CENTERLINE PAVEMENT MARKING SHOULD BE REMOVED FROM STOP BAR TO STOP BAR.
9.

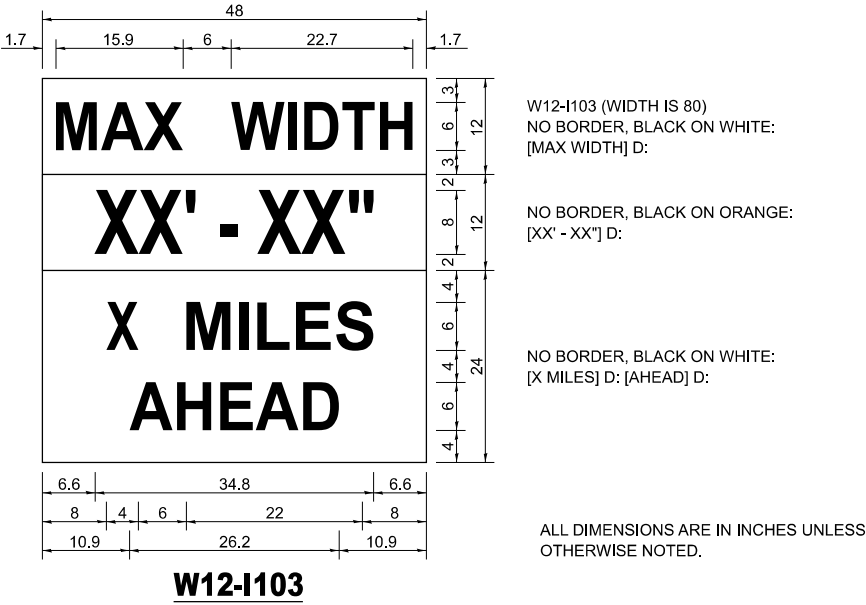
ANY TIME THE DRUMS WITH STEADY BURNING LIGHTS ARE NOT IN THE PROPER POSITION, FLAGGERS SHALL BE IN PLACE TO CONTROL TRAFFIC AND THE TEMPORARY TRAFFIC SIGNALS SHALL BE TUNRED OFF OR COVERED.
10.

ALL TRAFFIC SIGNALS SHOWN ARE INCLUDED IN TEMPORARY BRIDGE TRAFFIC SIGNALS - 1 EACH.
11.

THE COST OF THE TEMPORARY PAVEMENT MARKING AND ITS REMOVAL IS INCLUDED IN THE COST OF STANDARD 701316 (SPECIAL).
12.

THE CONTRACTOR SHALL COORDINATE ACCESS TO THE FIELD ENTRANCES WITH THE PROPERTY OWNERS.
13.

THE DIMENSIONS SHOWN ON THE WIDTH RESTRICTION SIGN (W12-I102(O)-48) SHOWN ON STANDARD 701316 (SPECIAL) AND ON THE ADVANCE WARNING SIGN (W12-I103) SHOWN ON THIS SHEET SHALL BE 16'-0" FOR STAGE CONSTRUCTION.



NOTE: THIS SIGN SHALL BE LOCATED AS DIRECTED BY THE ENGINEER. ONE SIGN SHALL BE PROVIDED FOR EACH APPROACH TO THE SITE.

MODEL: Staging [Sheet]
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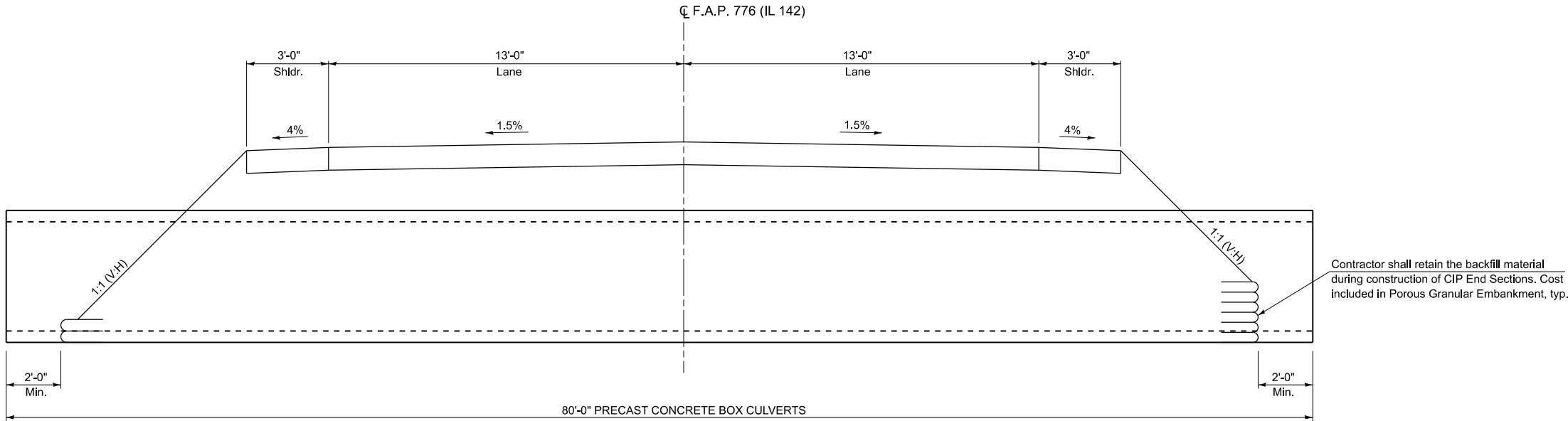
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	DATE = 2/17/2026		DATE 1/27/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

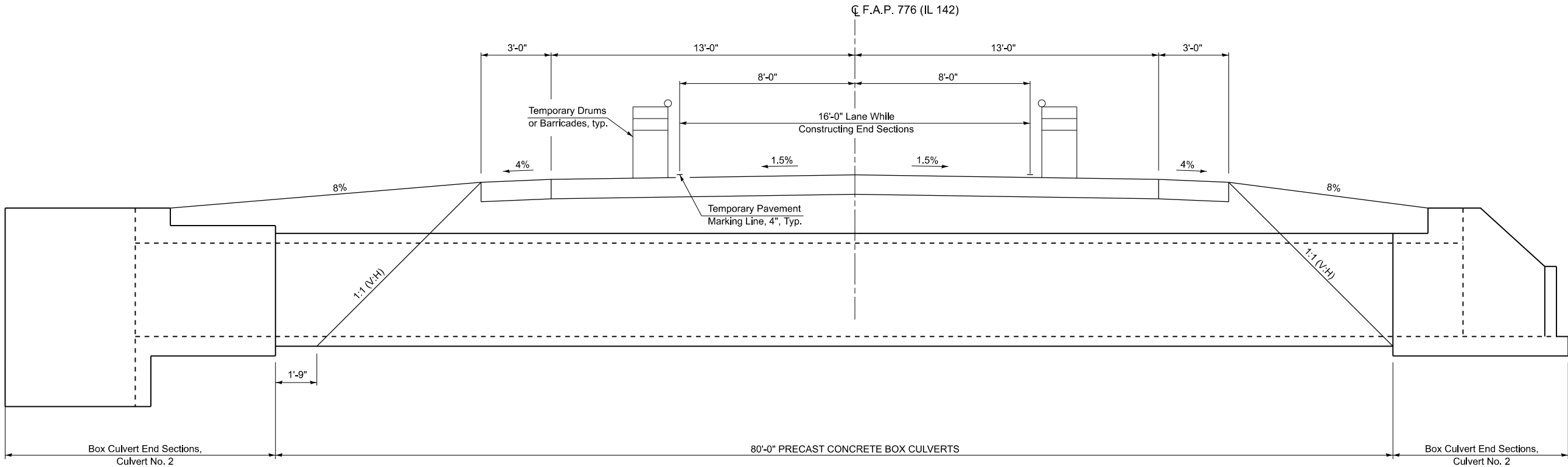
F.A.P. ROUTE 776 (IL 142) SN 083-7111 STAGE CONSTRUCTION			
SCALE: 1"=20'	SHEET 1	OF 2 SHEETS	TO STA. 123+00.00 TO STA. 103+00.00 R2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	32
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

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CONSTRUCTION WITH DETOUR ROUTE
(Dimensions at Rt. L's to Box Culvert)



BOX CULVERT END SECTION CONSTRUCTION WITH TRAFFIC
(Dimensions at Rt. L's to Box Culvert)

USER NAME	= aschafer	DESIGNED	AMS	REVISED	-
		DRAWN	AMS	REVISED	-
		CHECKED	EBB	REVISED	-
PLOT DATE	= 2/17/2026	DATE	1/27/2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 776 (IL 142)
SN 083-7111 STAGE CONSTRUCTION

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	33
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

Bench Mark: Chiseled square in center of south headwall S.N. 083-7054, Station 100+21.50, ±24' Rt., NAVD Elevation 418.33.

Existing Structure: S.N. 083-7054 was built in 1930 under Section 125, 125B and C, at Station 100A+00.00. The existing structure is a reinforced concrete 5' x 2' x 50'-11" long single box culvert with a 45° R.A. skew. The box was extended and horizontal wingwalls were added on both ends in 1980, under Section 125 (W,RS-2).

The existing structure shall be removed and replaced. The roadway will be closed and traffic detoured during construction.

No Salvage.

WATERWAY INFORMATION

Drainage Area = 38.3-acres				Low Grade Elev. 418.54 @ Sta. 122+18.96					
Flood	Freq. Yr.	Q C.F.S.	Opening Ft²	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Exist.	Headwater El. Exist.	Headwater El. Prop.
Design	10	56	10.0	15.5	415.3	2.5	1.0	417.8	416.3
Base	50	88	10.0	15.5	416.3	2.3	0.8	418.6	417.1
Overtopping	100	104	10.0	15.5	416.9	2.0	0.8	418.9	417.7
Max Calc	500	146	10.0	15.5	417.5	1.9	1.3	419.4	418.8

50 year (Design) velocity through existing structure = 7.6 fps

50 year (Design) velocity through proposed structure = 5.4 fps

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 General Details
- 3 Culvert Plan - Bottom Slab
- 4 Culvert Plan - Top Slab
- 5-6 Culvert Details
- 7 Soil Boring

LOADING HL-93

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

DESIGN SPECIFICATIONS

2024 AASHTO LRFD Bridge Design Specifications, 10th Edition

DESIGN STRESSES

FIELD UNITS

f_c = 3,500 psi

f_y = 60,000 psi (Reinforcement)

PRECAST UNITS

f_c = 5,000 psi

f_y = 65,000 psi (Welded Wire Fabric)

GENERAL NOTES

The design fill height for this box is 3.0 ft maximum and 2.5 ft minimum. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment and one drain hole shall be provided in each wingwall for end sections of box culverts with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

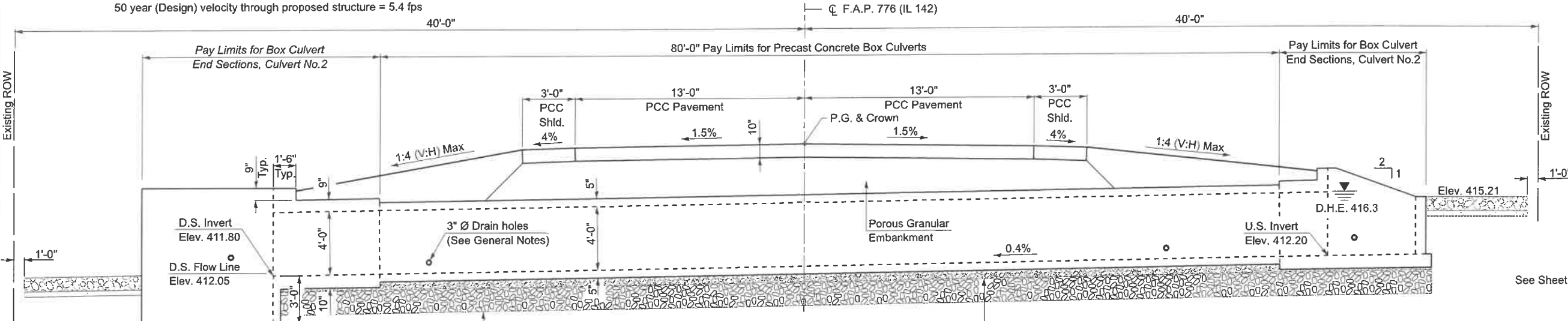
Box section dimensions, materials, and reinforcement details for Precast Box Culverts shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

The removal of the existing box culvert, headwalls, and wingwalls is included in Removal of Existing Structures.

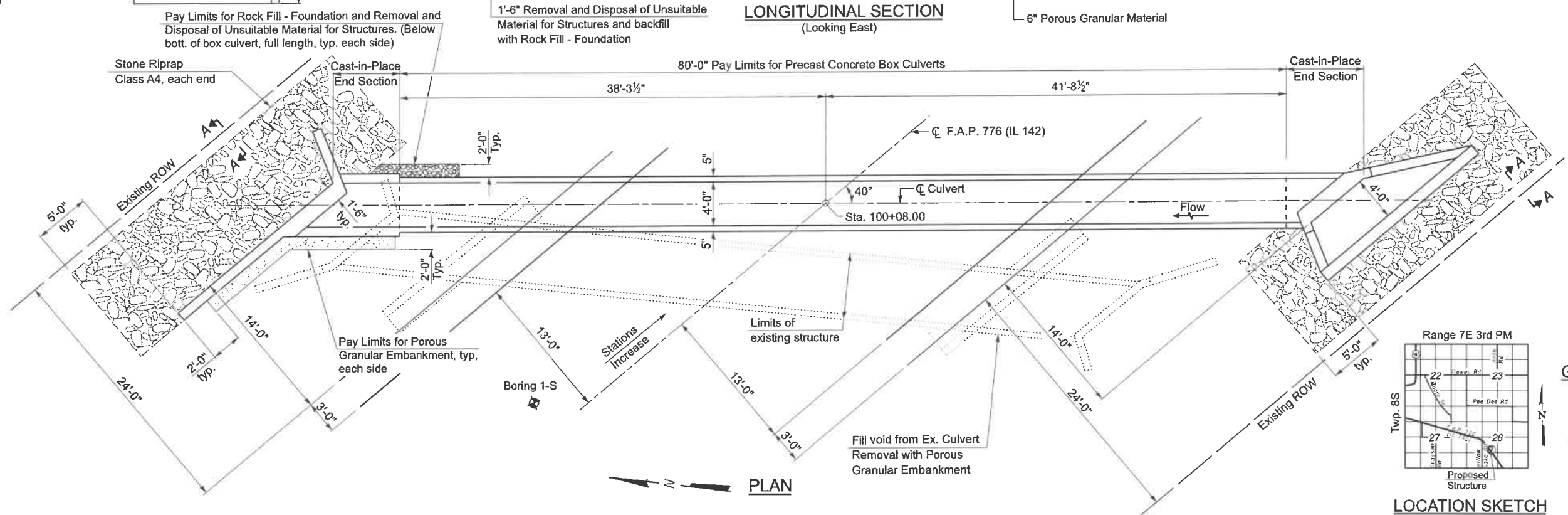
Layout of the slope protection system may be varied to suit ground conditions in the field, as directed by the engineer.

Reinforcement bars designated (E) shall be epoxy coated.



See Sheet 2 of 7 for Section A-A.

LONGITUDINAL SECTION
(Looking East)

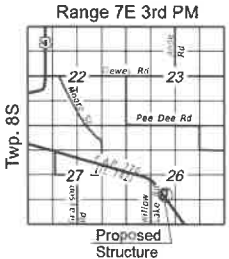


PLAN



Aaron M. Schafer
Licensed Structural Engineer
State of Illinois No. 081-007926
License Expires 11/30/2026

GENERAL PLAN & ELEVATION
F.A.P. 776 (IL 142)
OVER CREEK
SECTION 125CR-1; 125CR-2
SALINE COUNTY
STATION 100+08.00
STRUCTURE NO. 083-7111



LOCATION SKETCH

KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors
616 N. 24TH ST. QUINCY, ILLINOIS 62301-217, 223.3670
STATE OF ILLINOIS DESIGN FIRM NO. 194-2738

USER NAME =	DESIGNED AMS	REVISED -
PLOT SCALE =	CHECKED RJP	REVISED -
PLOT DATE =	DRAWN AMS	REVISED -
	CHECKED RJP	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 083-7111

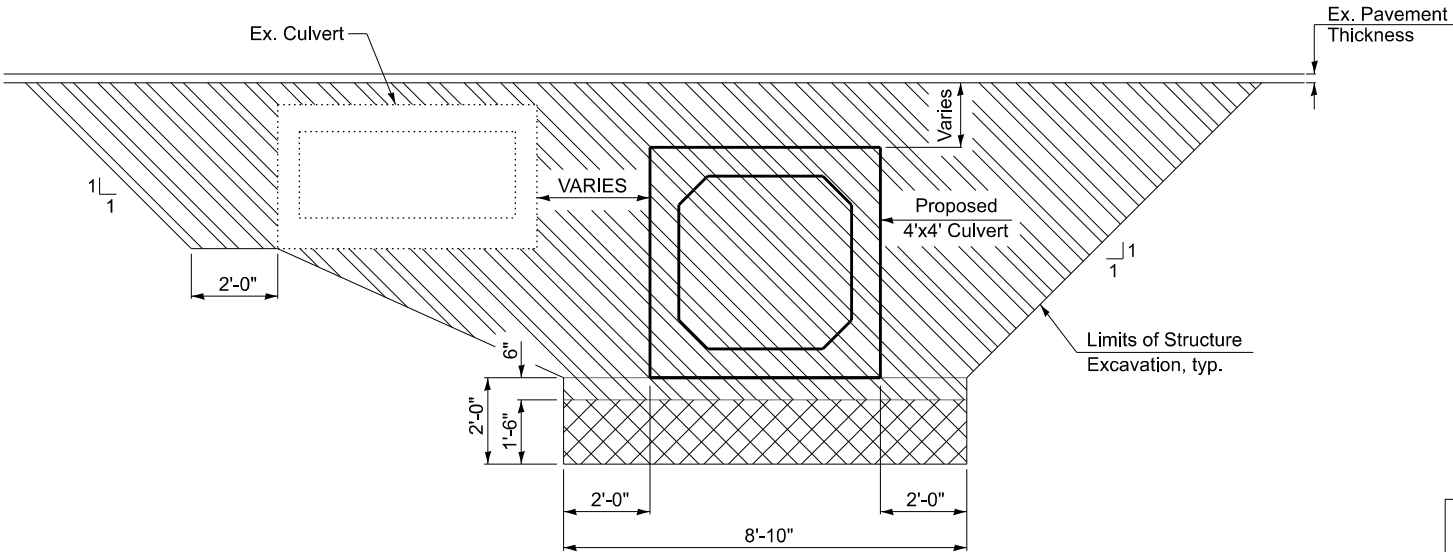
SHEET 1 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	34
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

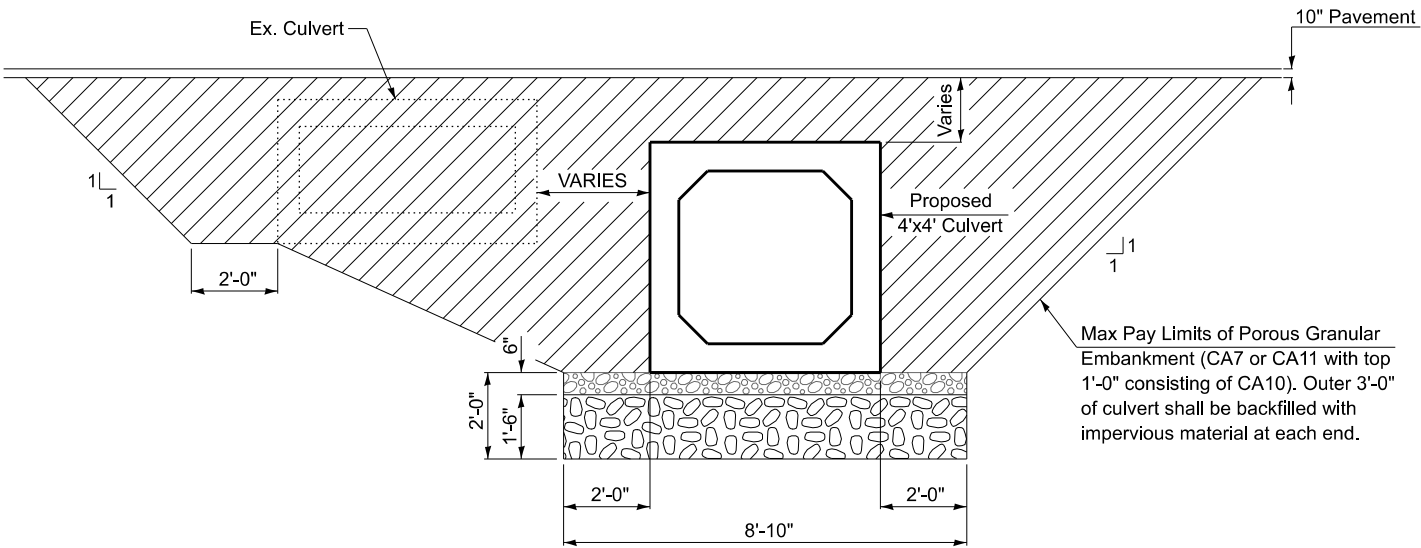
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2/17/2026 1:54:03 PM

LEGEND

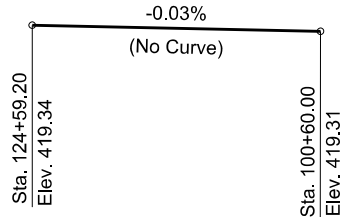
	Removal & Disposal of Unsuitable Material for Structures
	Structure Excavation
	Porous Granular Embankment
	Porous Granular Material
	Rock Fill - Foundation



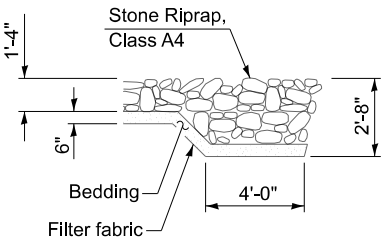
EXCAVATION LIMITS - ALONG ROADWAY
(Dimensions at Rt. L's to Box Culvert)



PROFILE POROUS GRANULAR EMBANKMENT LIMITS
(Dimensions at Rt. L's to Box Culvert)



PROFILE GRADE
(Along CL Roadway IL Rte. 142)
Station Equation:
Sta. 124+99.20 Bk = Sta. 100+00.00 AH



SECTION A-A

TOTAL BILL OF MATERIAL

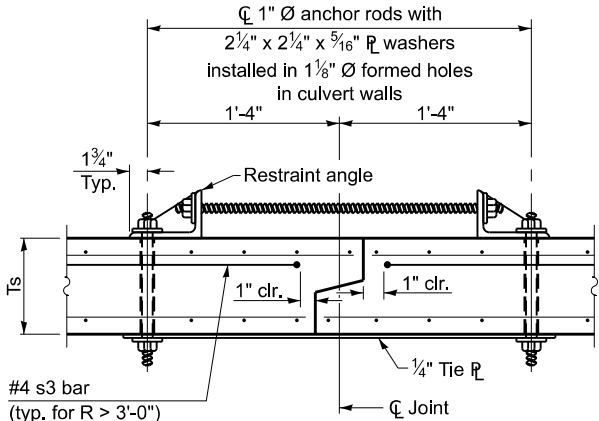
ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	392
Stone Riprap, Class A4	Sq. Yd.	62
Filter Fabric	Sq. Yd.	62
Removal of Existing Structures No. 2	Each	1
Structure Excavation	Cu. Yd.	371
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	64
Box Culvert End Sections, Culvert No. 2	Each	2
Precast Concrete Box Culverts 4'x4'	Foot	80
Geocomposite Wall Drain	Sq. Yd.	82
Membrane Waterproofing System for Buried Structures	Sq. Yd.	82
Rock Fill - Foundation	Ton	97

NOTES

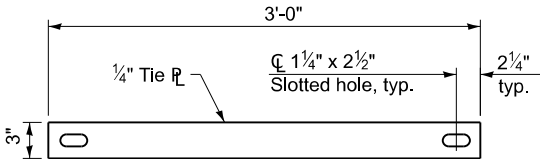
Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the bottom of the propped pavement to the bottom of the box culvert. This area is included in the Porous Granular Embankment pay item. The cost of the 6-inch thick layer of porous granular material required under the concrete box culvert, according to Section 540.06 of the Standard Specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

The contractor shall halt the excavation at the bottom of the 6" porous granular material under the culvert and request a soils test from IDOT District 9. The District Geotechnical Engineer will evaluate the need for additional excavation and determine the limits of Rock Fill - Foundation.

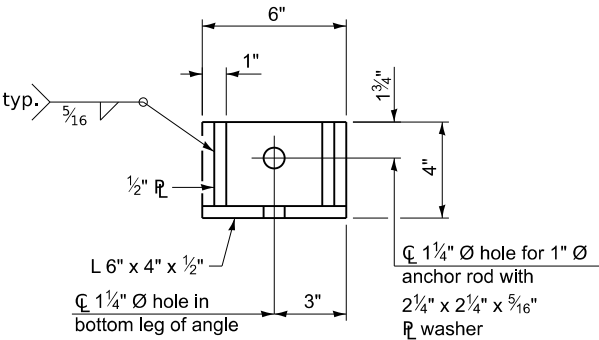
The last two precast barrel sections at each end shall be tied together using culvert ties as shown on this sheet. Cost included in Precast Concrete Box Culverts of the size specified in the plans



CULVERT TIE DETAIL



TIE PLATE DETAIL



RESTRAINT ANGLE DETAIL

Notes:

1" O anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. $2\frac{1}{4}" \times 2\frac{1}{4}" \times \frac{5}{16}"$ plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional $\frac{1}{2}$ turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DETAILS
STRUCTURE NO. 083-7111

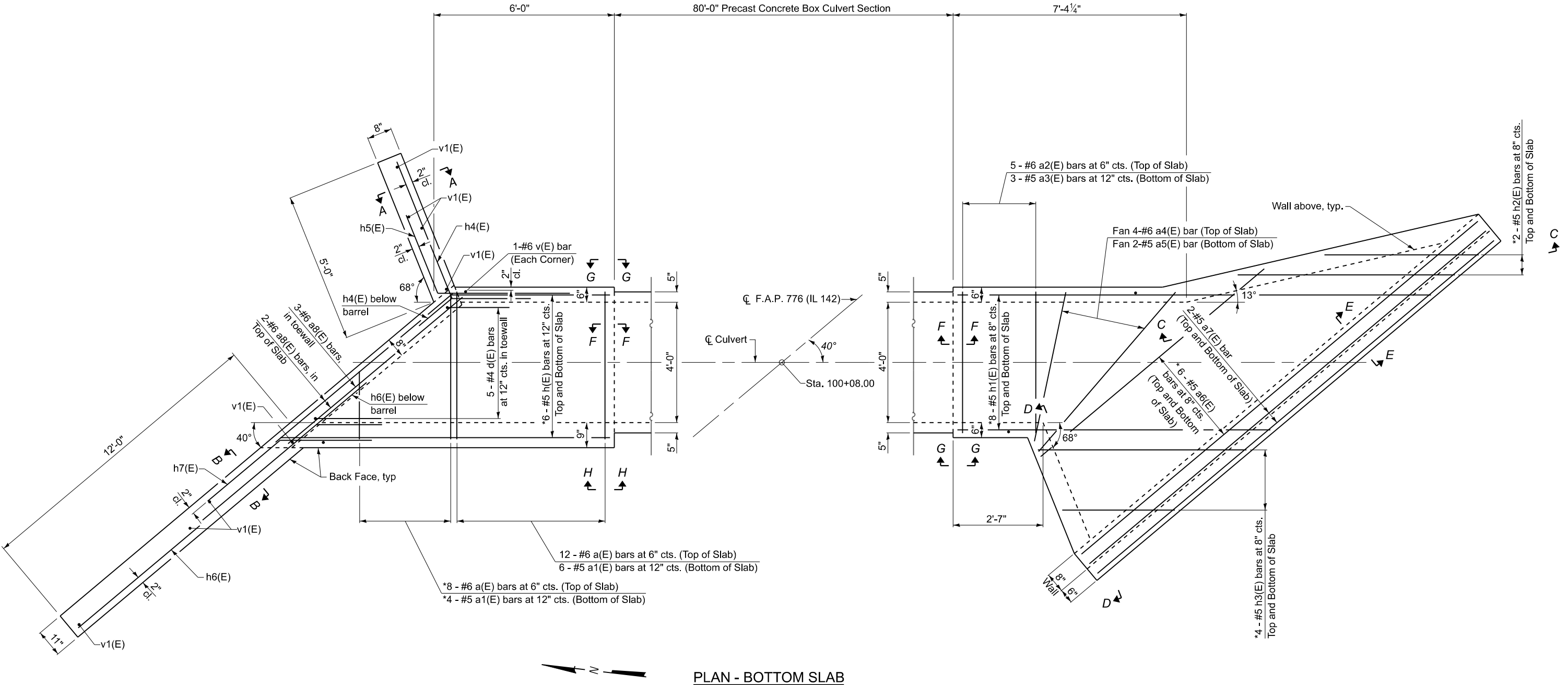
SHEET 2 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	35
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

KLINGNER & ASSOCIATES, P.C.	USER NAME =	DESIGNED AMS	REVIS
Engineers • Architects • Surveyors	CHECKED RJP	REVIS	
616 N.24TH ST. QUINCY, ILLINOIS 62301 217.223.3670	PLOT SCALE =	DRAWN AMS	REVIS
STATE OF ILLINOIS DESIGN FIRM NO. 184-2738	PLOT DATE =	CHECKED RJP	REVIS

* Order a(E), a1(E), a6(E), h(E), and h1(E) thru h3(E) bars full length and cut to fit. Balance of bar to be used in opposite end of culvert.

Notes:
See Sheet 5 of 7 for Sections A-A thru E-E.
See Sheet 6 of 7 for Sections F-F thru H-H.
See Sheet 6 of 7 for additional culvert details and Bill of Material.



MODEL: 7111_3 [Sheet]
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KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors
616 N. 24TH ST. QUINCY, ILLINOIS 62301 217.223.3670
STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

USER NAME =	DESIGNED AMS	REVISED -
	CHECKED RJP	REVISED -
PLOT SCALE =	DRAWN AMS	REVISED -
PLOT DATE =	CHECKED RJP	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

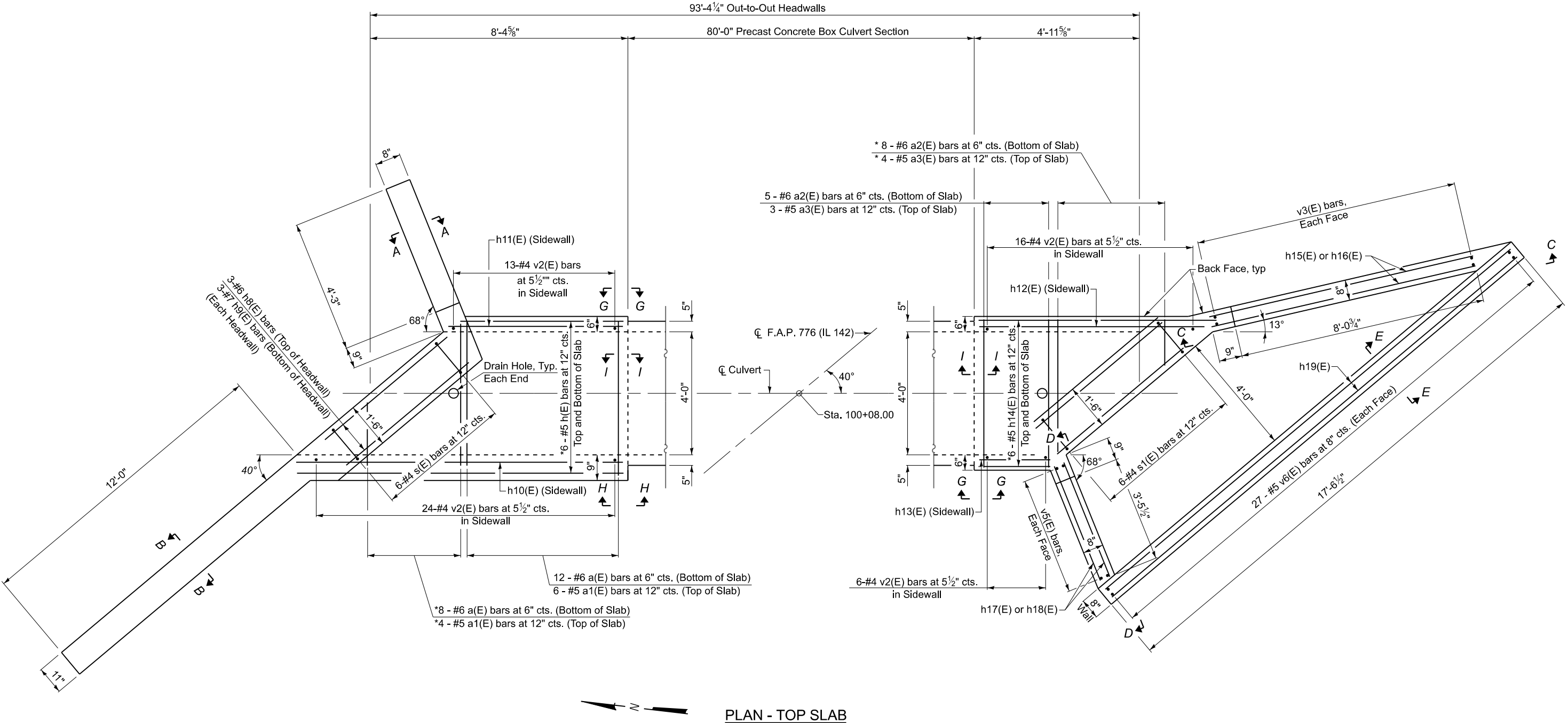
CULVERT PLAN - BOTTOM SLAB
STRUCTURE NO. 083-7111

SHEET 3 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	36
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

* Order a(E), a1(E) thru a3(E), h(E), and h14(E) bars full length and cut to fit. Balance of bar to be used in opposite end of culvert.

Notes:
See Sheet 5 of 7 for Sections A-A thru E-E.
See Sheet 6 of 7 for Sections G-G thru I-I.
See Sheet 6 of 7 for additional culvert details and Bill of Material.



PLAN - TOP SLAB

MODEL: 7111_4 [Sheet]
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616 N. 24TH ST. QUINCY, ILLINOIS 62301 217.223.3670
STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

USER NAME =	DESIGNED AMS	REVISED -
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PLOT SCALE =	DRAWN AMS	REVISED -
PLOT DATE =	CHECKED RJP	REVISED -

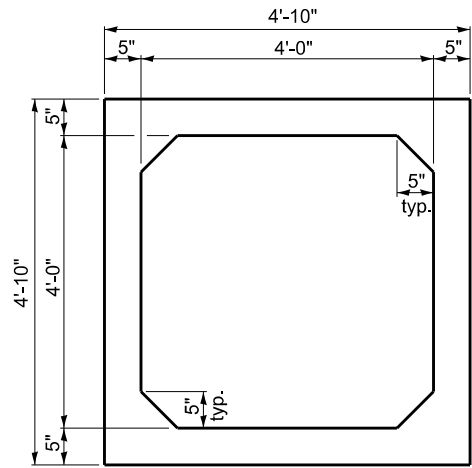
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT PLAN - TOP SLAB
STRUCTURE NO. 083-7111

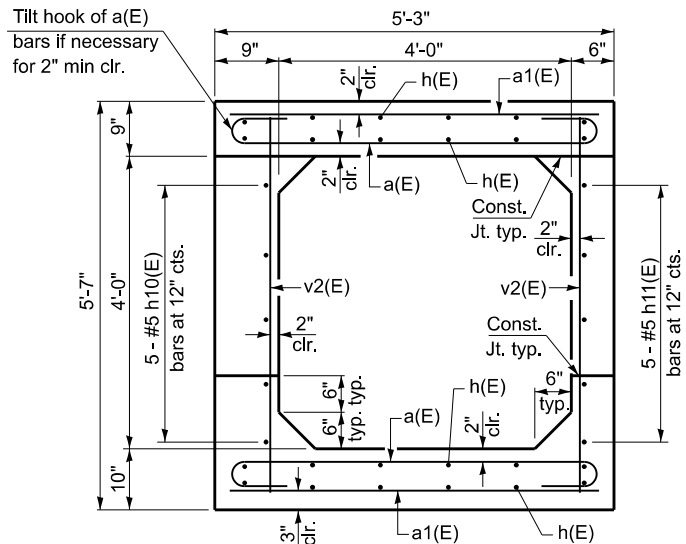
SHEET 4 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

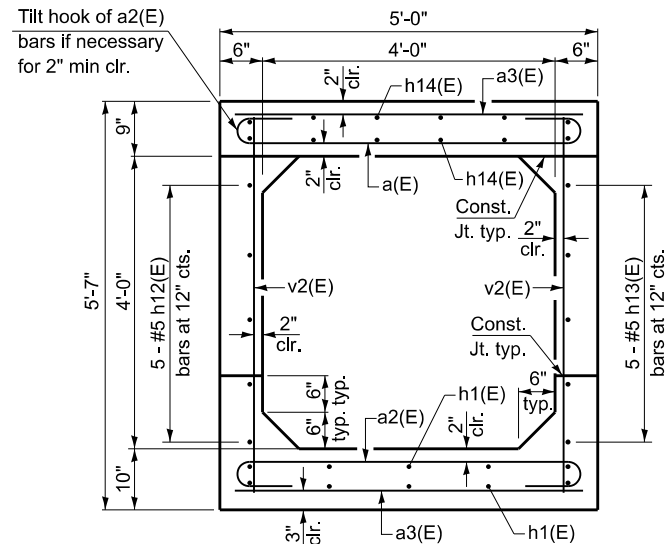
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2/17/2026 1:55:10 PM



SECTION THRU PRECAST BARREL

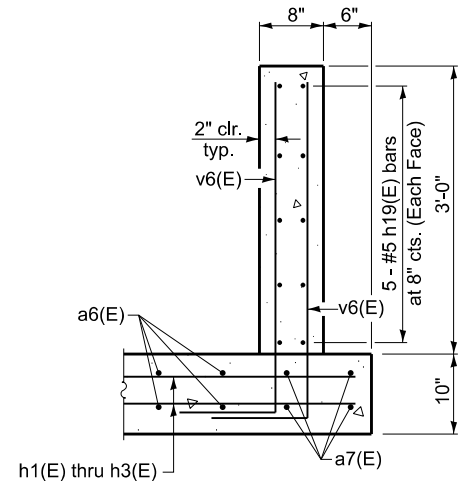


SECTION THRU CAST-IN-PLACE BARREL - NORTH END
(Looking North)

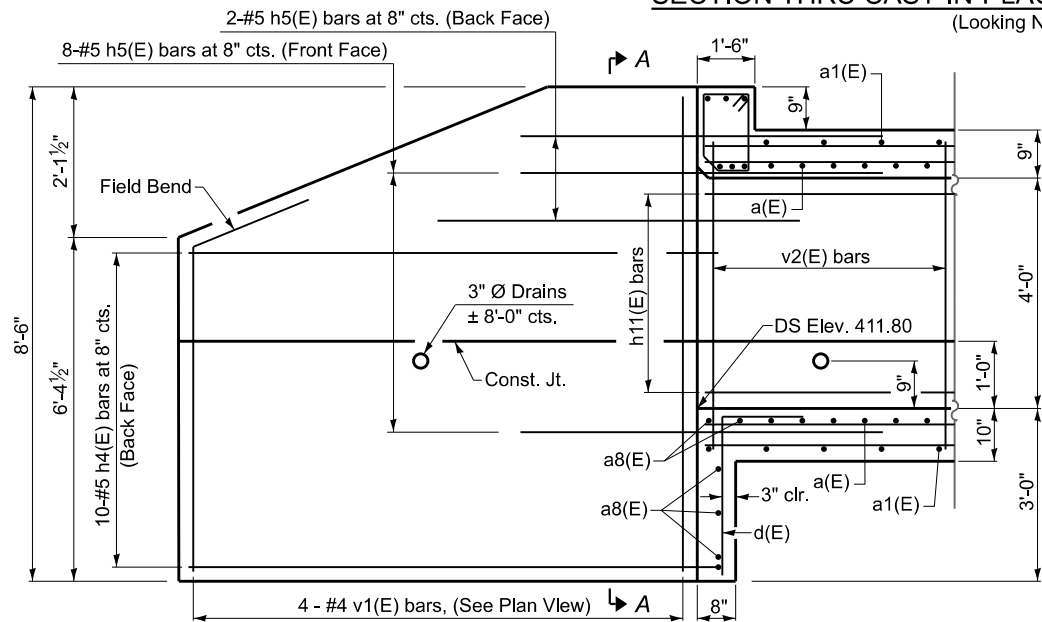


SECTION THRU CAST-IN-PLACE BARREL - SOUTH END
(Looking South)

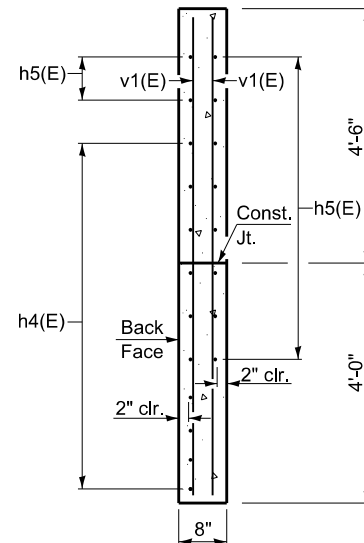
* Order v3(E) and v5(E) bars full length and cut to fit.
Balance of bar to be used in opposite end of wingwall.



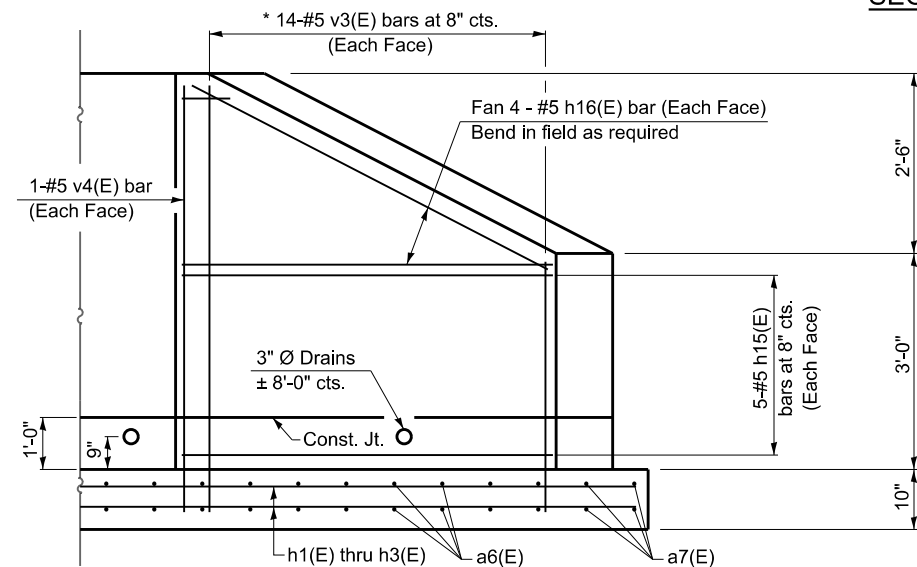
SECTION E-E



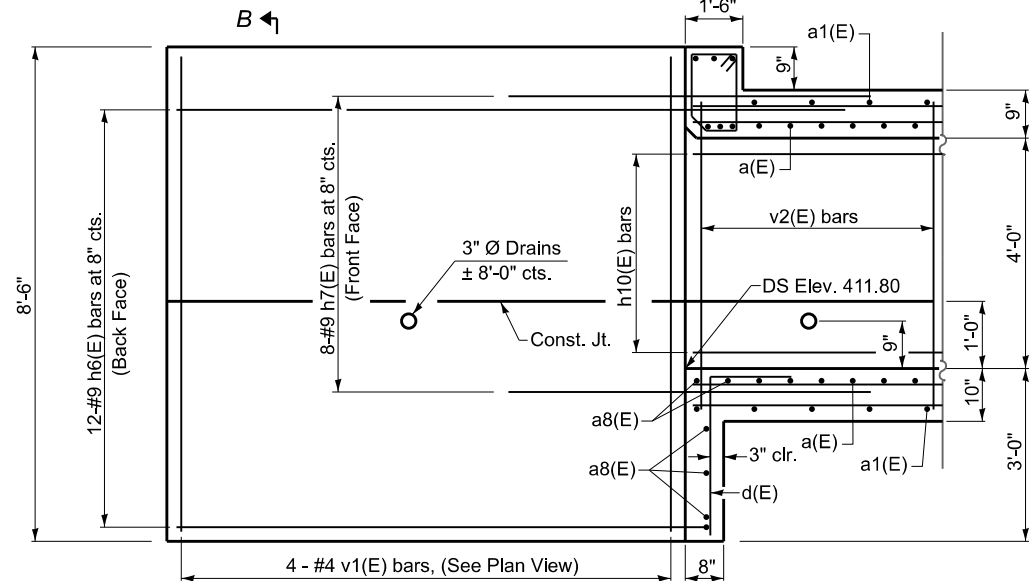
LONGITUDINAL SECTION - NORTHEAST WINGWALL



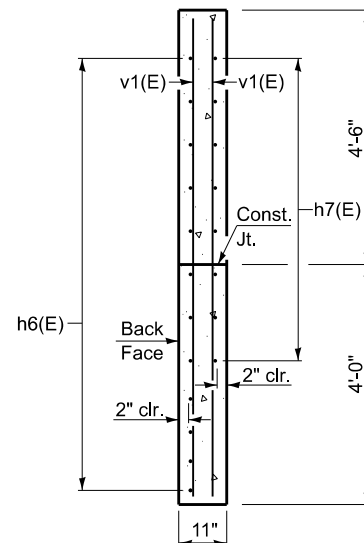
SECTION A-A



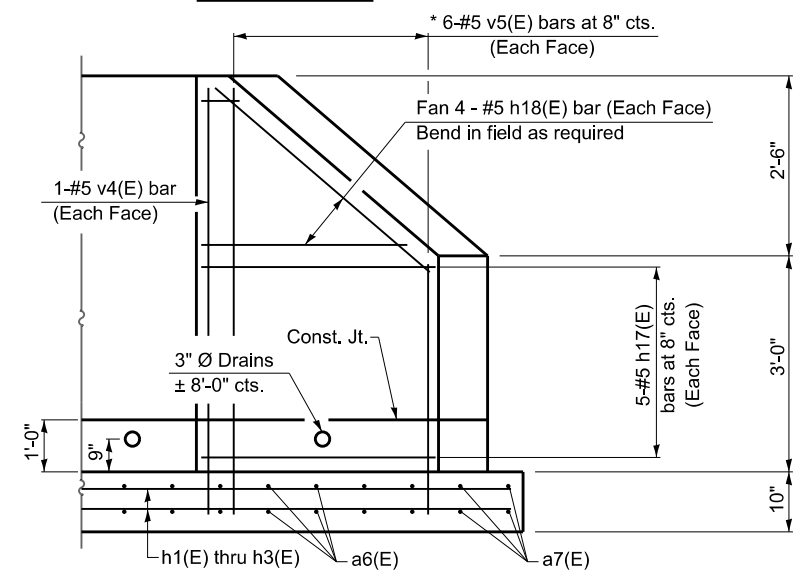
SECTION C-C



LONGITUDINAL SECTION - NORTHWEST WINGWALL



SECTION B-B



SECTION D-D

Notes:
See Sheet 3 of 7 for Bottom Slab Plan.
See Sheet 4 of 7 for Top Slab Plan.
See Sheet 6 of 7 for additional culvert details and Bill of Material.

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Engineers • Architects • Surveyors
616 N. 24TH ST. QUINCY, ILLINOIS 62301 217.223.3670
STATE OF ILLINOIS DESIGN FIRM NO. 184-2738

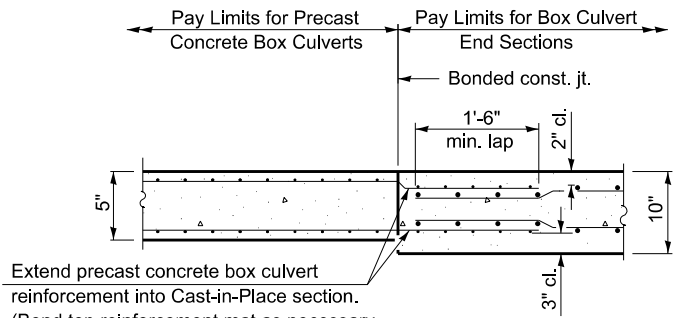
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PLOT SCALE =	CHECKED RJP	REVISED -
PLOT DATE =	DRAWN AMS	REVISED -
	CHECKED RJP	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

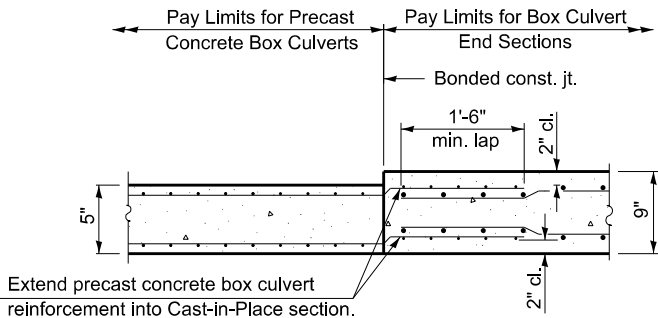
CULVERT DETAILS
STRUCTURE NO. 083-7111

SHEET 5 OF 7 SHEETS

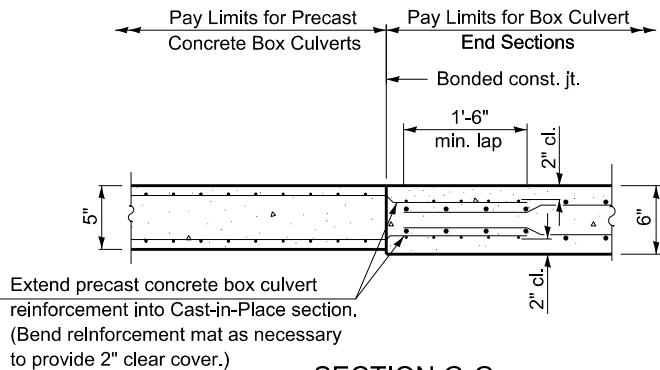
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	38
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				



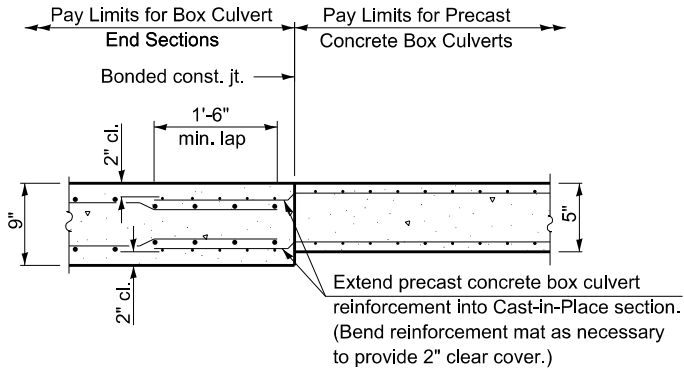
SECTION F-F
(Bottom slab)



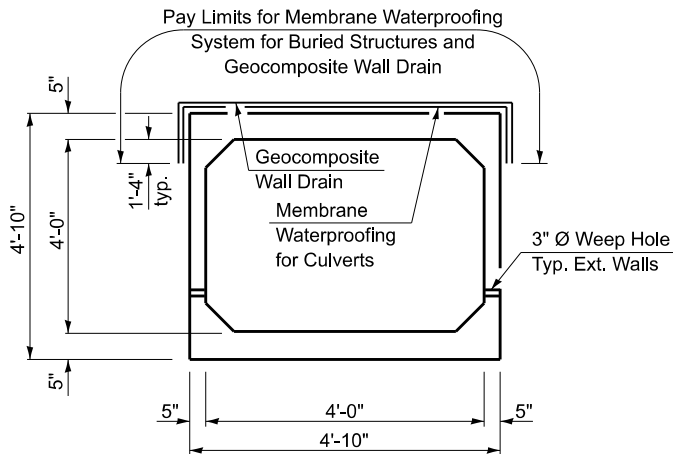
SECTION I-I
(Top slab)



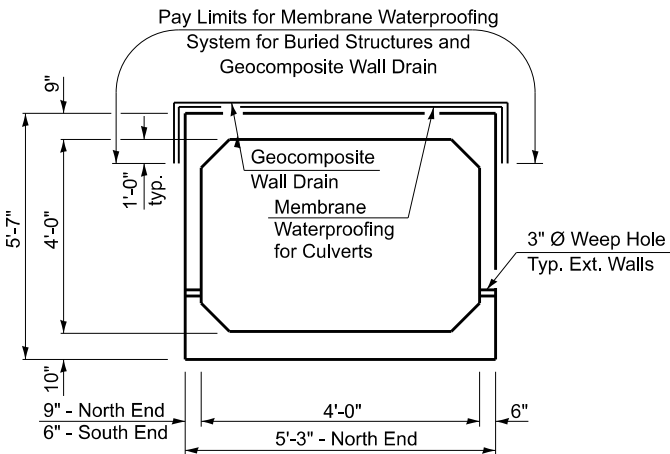
SECTION G-G
(Sidewall)



SECTION H-H
(Sidewall)

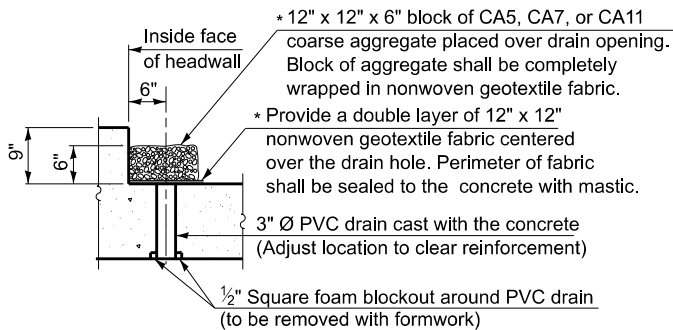


SECTION THRU PRECAST SECTION



SECTION THRU CAST-IN-PLACE SECTION

MEMBRANE WATERPROOFING DETAILS



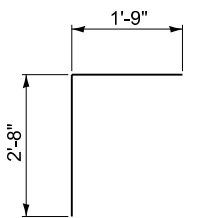
DRAIN DETAIL

(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 Box Culvert End Sections, Culvert No.2)

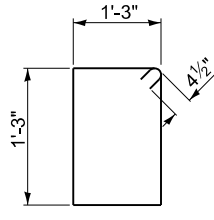
* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

FIELD CUTTING DIAGRAM

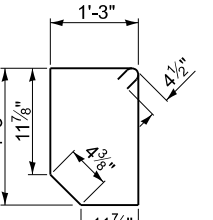
Note:
Order a6(E) bars full length. Cut as shown and use remainder of bars in opposite end.



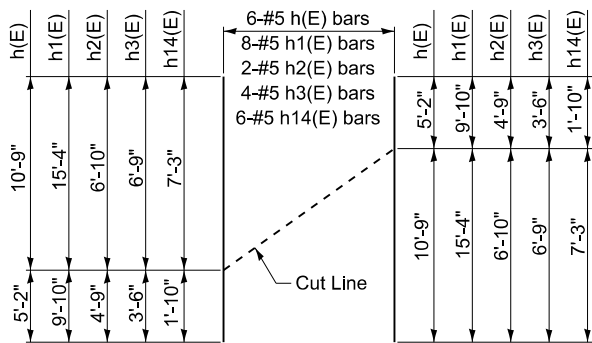
BAR d(E)



BAR s(E)

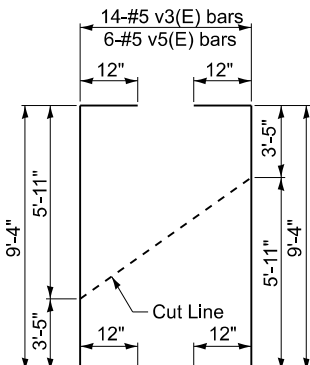


BAR s1(E)



FIELD CUTTING DIAGRAM

Note:
Order all bars full length. Cut as shown and use remainder of bars in opposite end.

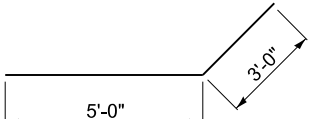


FIELD CUTTING DIAGRAM

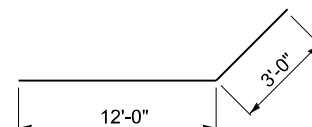
Note:
Order v3(E) and v5(E) bars full length. Cut as shown and use remainder of bars in opposite end.



BAR h4(E)



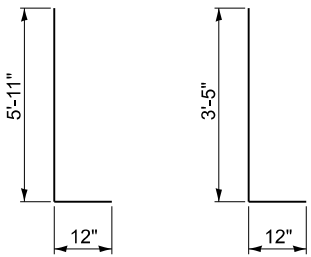
BAR h5(E)



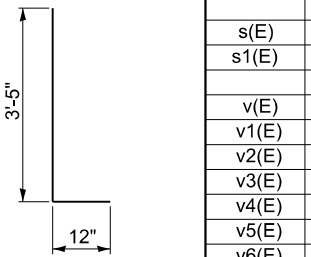
BAR h6(E)



BAR h7(E)



BAR v4(E)



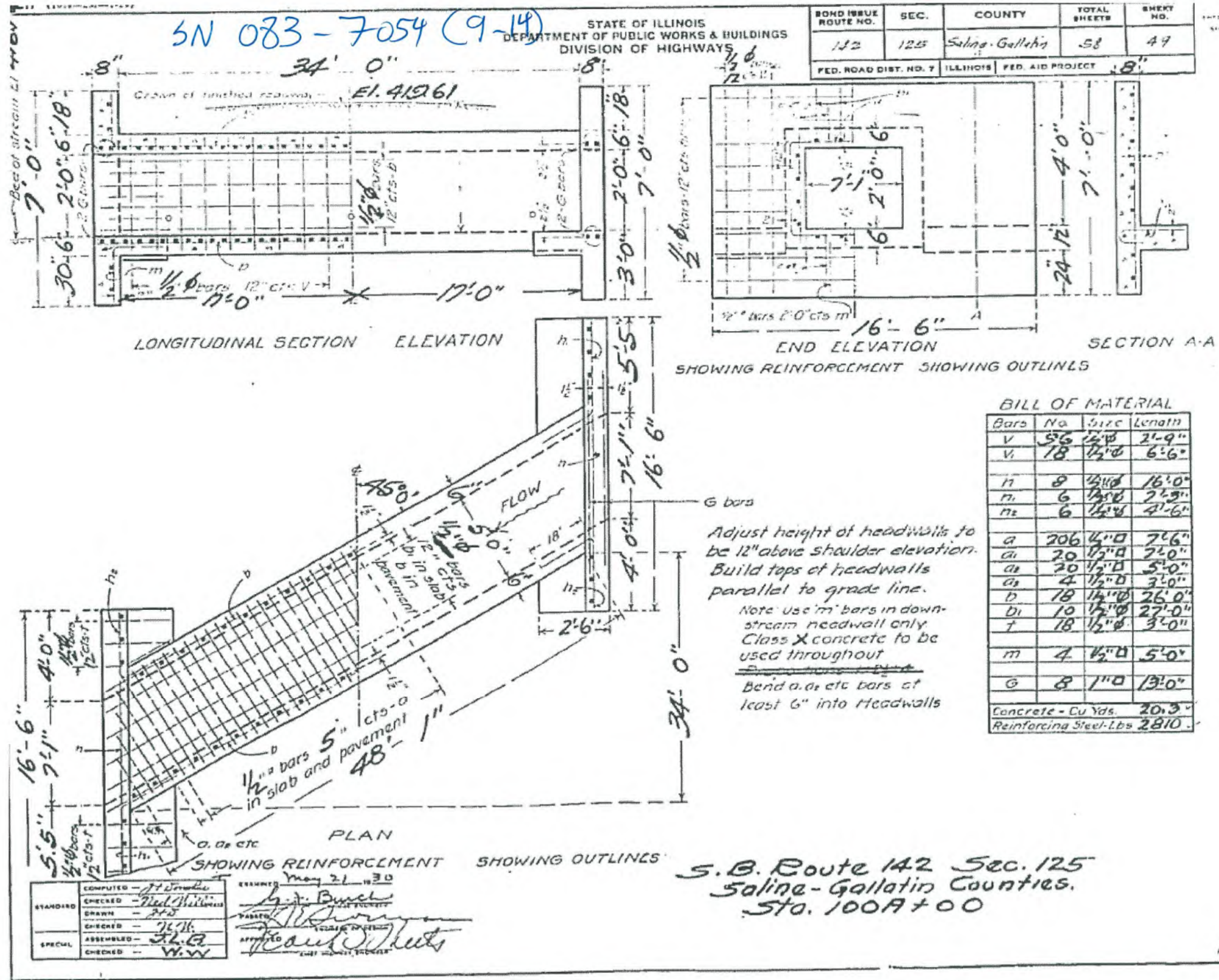
BAR v6(E)

BILL OF MATERIAL
CIP END SECTIONS
(FOR INFORMATION ONLY - 2 TOTAL)

Bar	No.	Size	Length	Shape
a(E)	32	#6	6'-3"	
a1(E)	16	#5	4'-11"	
a2(E)	14	#6	6'-0"	
a3(E)	8	#5	4'-8"	
a4(E)	4	#6	4'-10"	
a5(E)	2	#5	4'-10"	
a6(E)	6	#5	25'-2"	
a7(E)	4	#5	17'-2"	
a8(E)	5	#6	7'-8"	
d(E)	5	#4	4'-5"	
h(E)	12	#5	15'-11"	
h1(E)	8	#5	25'-2"	
h2(E)	2	#5	11'-7"	
h3(E)	4	#5	10'-3"	
h4(E)	10	#5	8'-0"	
h5(E)	10	#5	8'-0"	
h6(E)	12	#9	15'-0"	
h7(E)	8	#9	8'-0"	
h8(E)	6	#6	6'-0"	
h9(E)	6	#7	6'-0"	
h10(E)	5	#5	10'-5"	
h11(E)	5	#5	5'-8"	
h12(E)	5	#5	7'-0"	
h13(E)	5	#5	2'-3"	
h14(E)	6	#5	9'-1"	
h15(E)	10	#5	8'-10"	
h16(E)	8	#5	9'-0"	
h17(E)	10	#5	4'-2"	
h18(E)	8	#5	4'-4"	
h19(E)	10	#5	17'-2"	
s(E)	6	#4	5'-9"	
s1(E)	6	#4	5'-7"	
v(E)	4	#6	5'-3"	
v1(E)	8	#4	8'-2"	
v2(E)	59	#4	5'-3"	
v3(E)	14	#5	11'-4"	
v4(E)	4	#5	6'-11"	
v5(E)	6	#5	11'-4"	
v6(E)	54	#5	4'-5"	
* Reinforcement Bars, Epoxy Coated			Pound	3,950
* Concrete Box Culverts			Cu. Yd.	16.7

* Reinforcement Bars and Concrete Box Culverts will not be paid for separately, but will be included in the cost of Box Culvert End Sections, Culvert No. 2 (See Std. specifications)

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FOR INFORMATION PURPOSES ONLY
(EX. SN 083-7054)

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	CHECKED RJP	REVISED -
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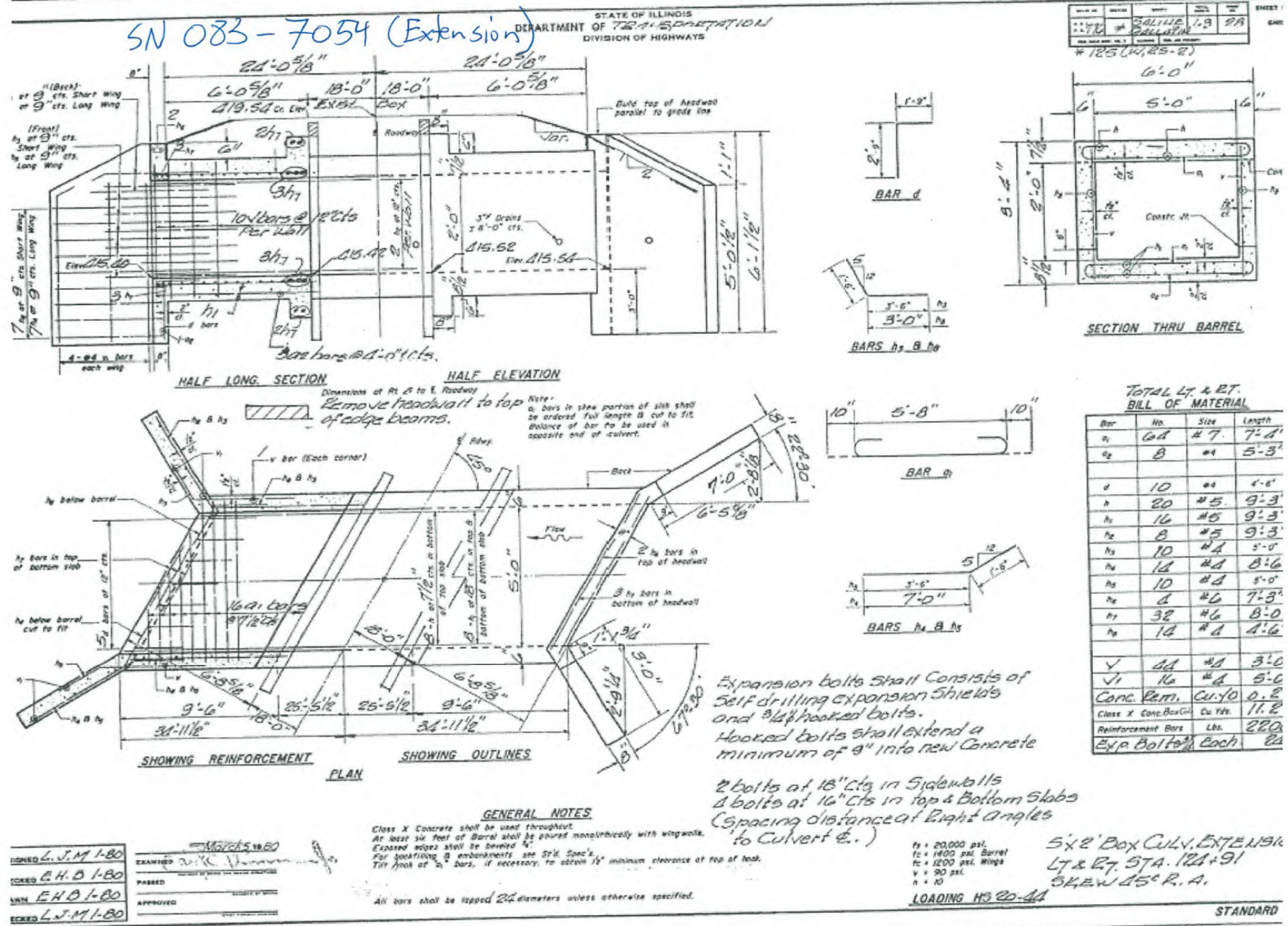
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 083-7111

SCALE: N/A SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	41
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

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FOR INFORMATION PURPOSES ONLY
(EX. SN 083-7054)

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	DRAWN AMS	REVISED -
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PLOT DATE = 2/17/2026	DATE 2/16/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

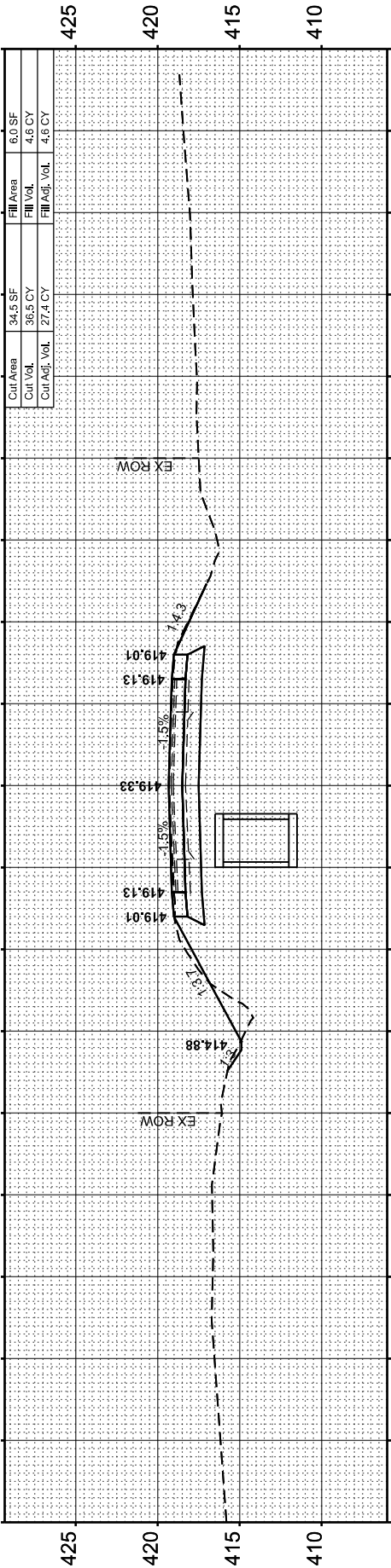
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SCALE: N/A	SHEET 2 OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

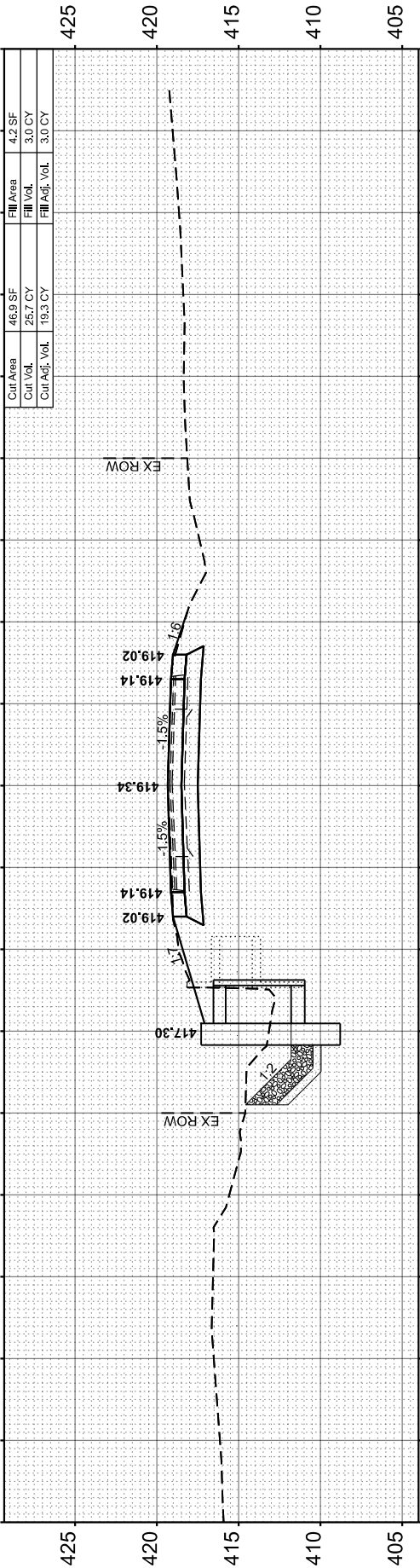
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ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

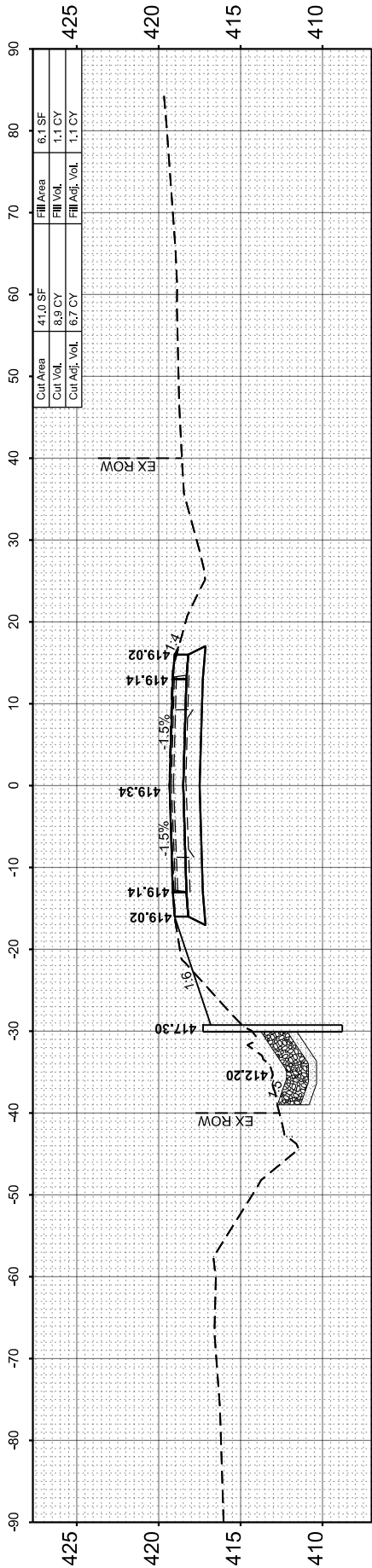
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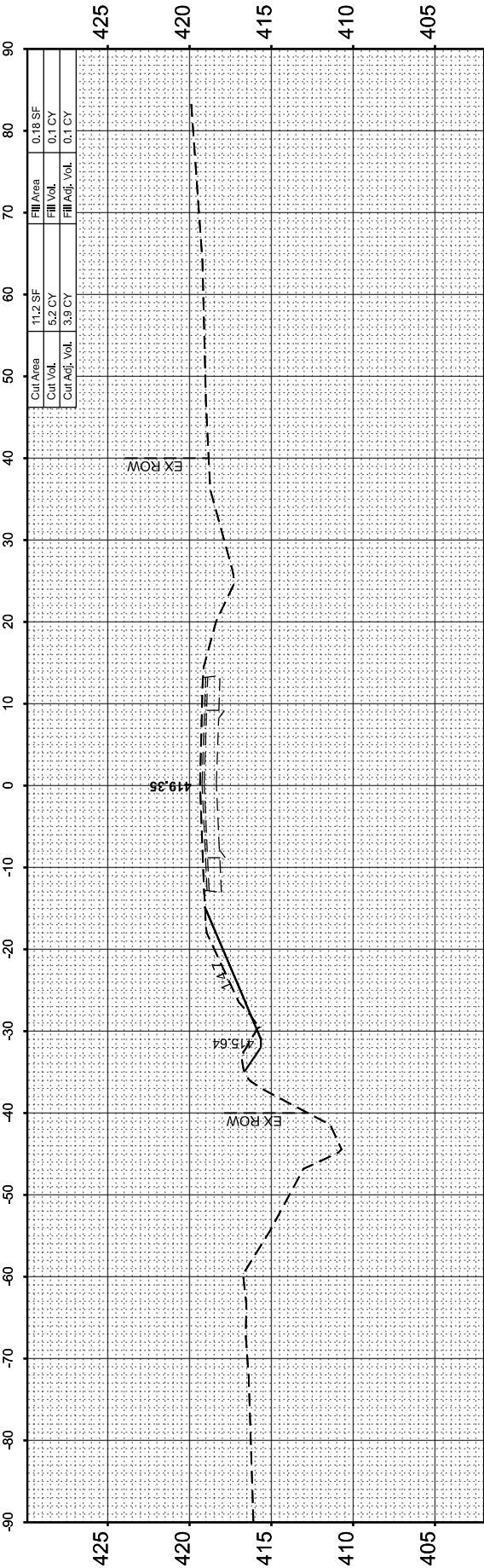
STA 100+00.00



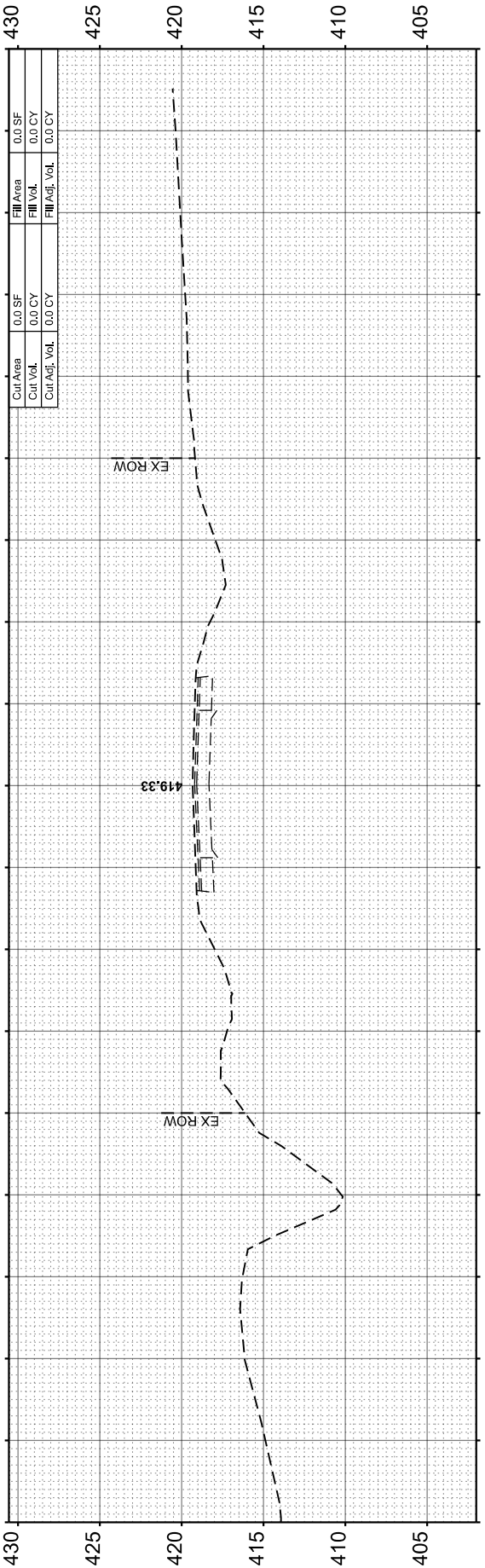
STA 124+75.00



STA 124+59.20



STA 124+50.00



STA 124+25.00

USER NAME = aschafer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 2/17/2026		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	43
CONTRACT NO. 78A98				
ILLINOIS		FED. AID PROJECT		

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

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

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DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-
PLOT DATE	= 2/17/2026

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

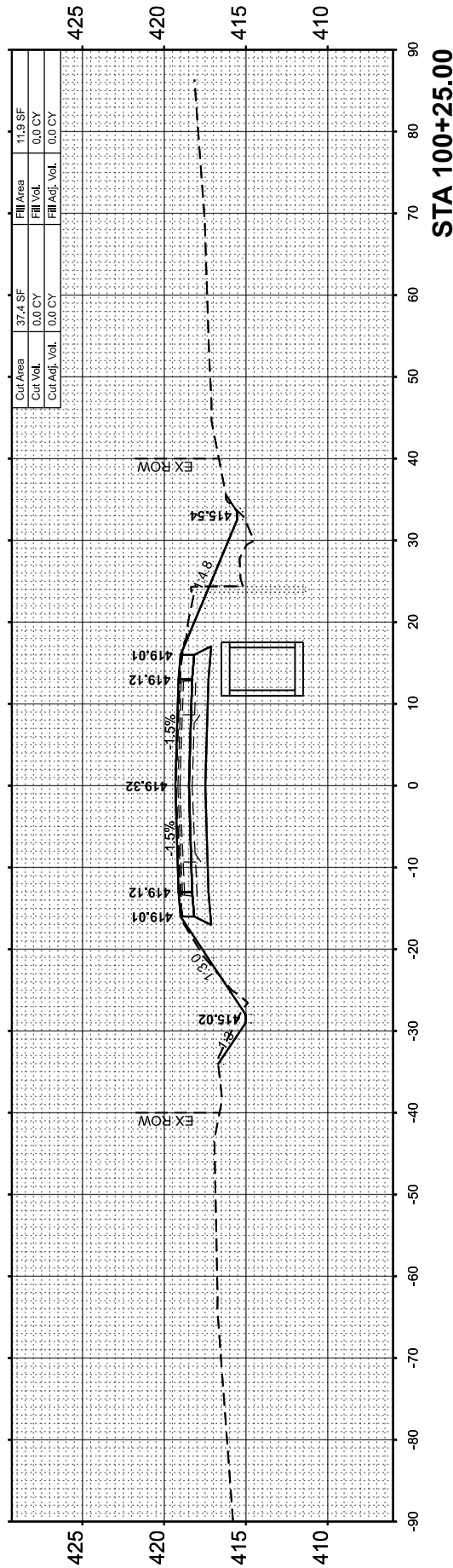
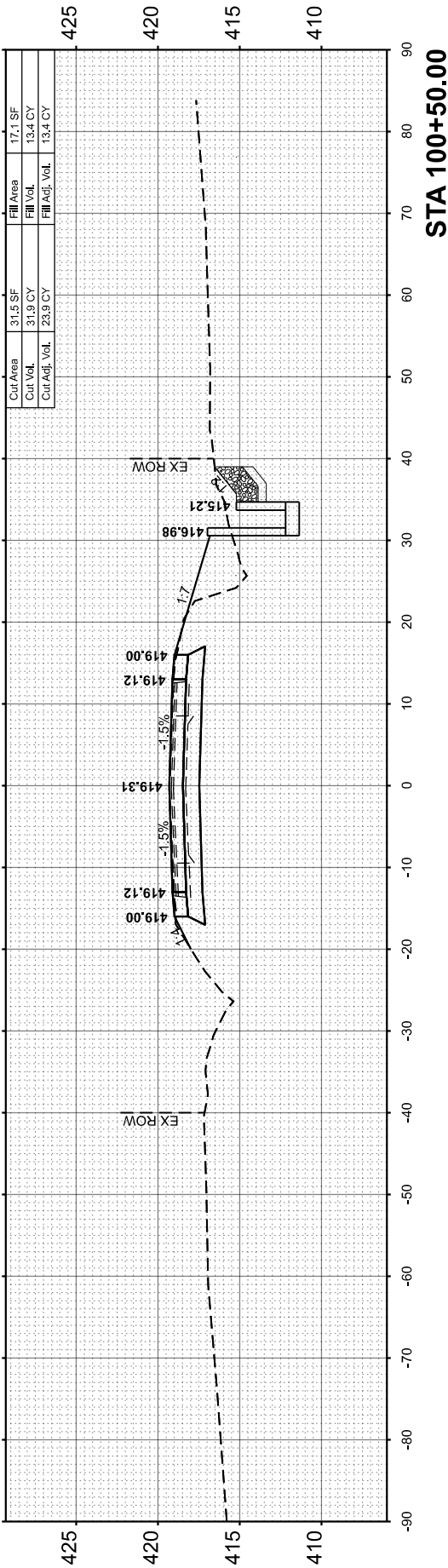
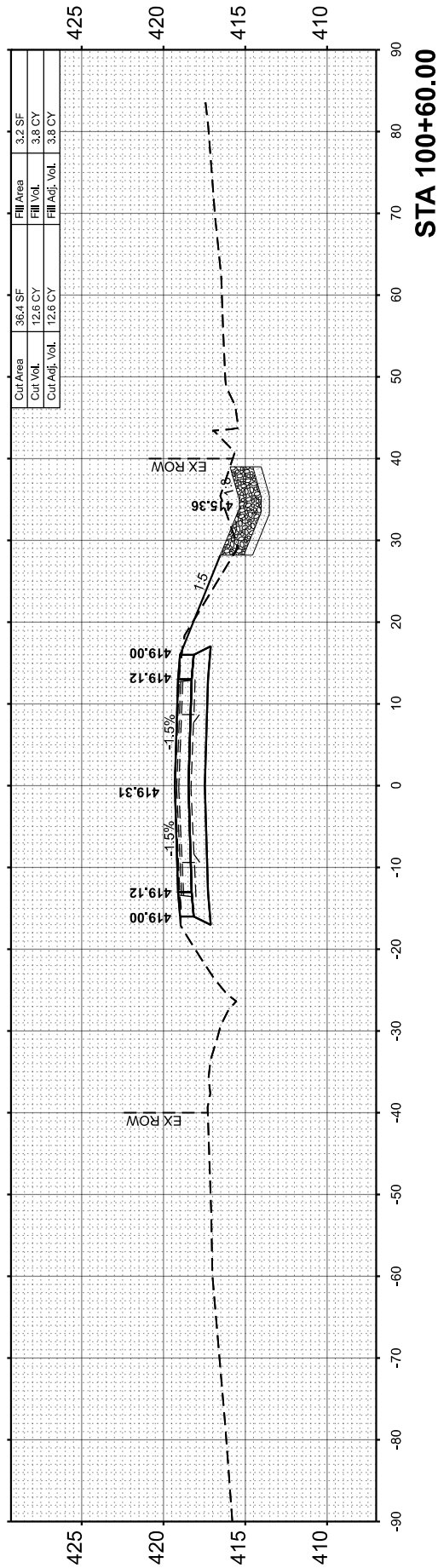
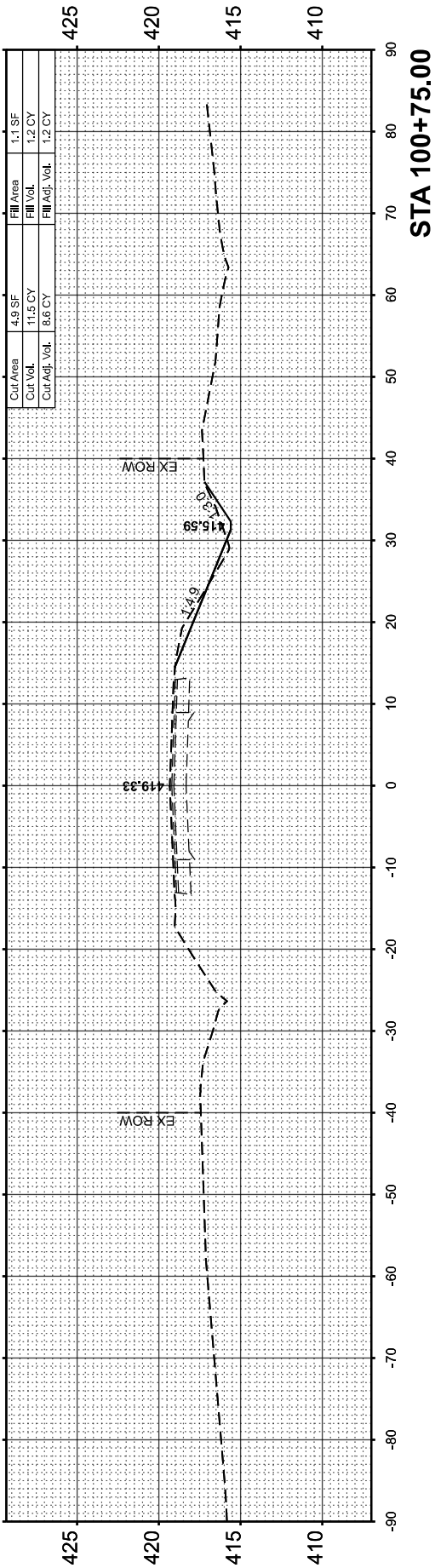
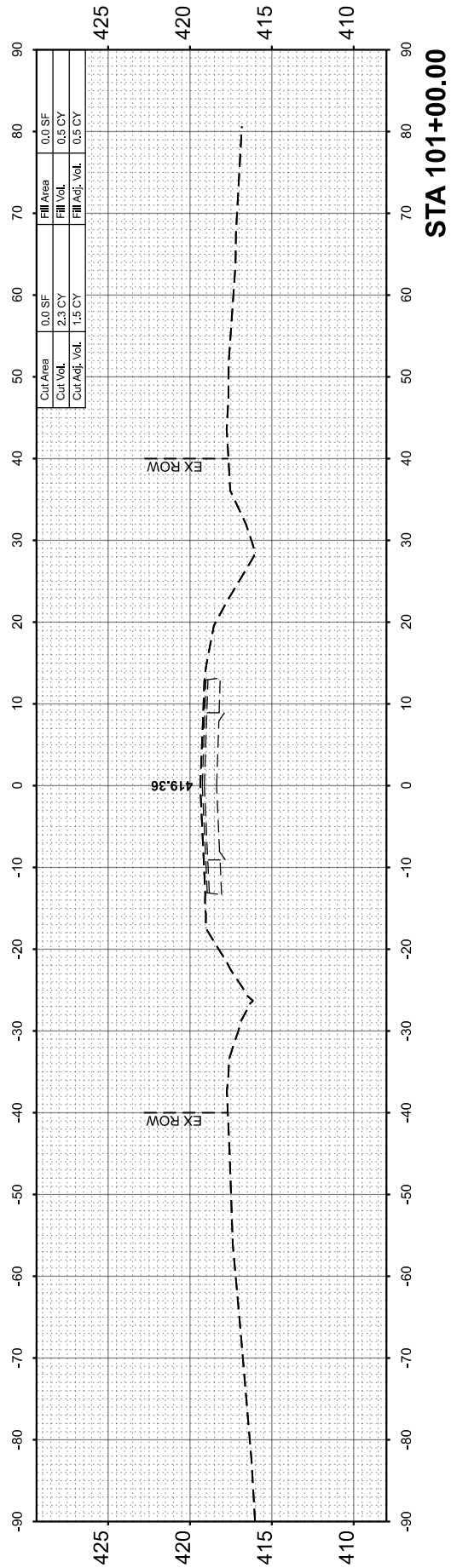
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 776 (IL 142)
SN 083-7111 CROSS SECTIONS

SCALE: $\frac{1"=10' H}{1"=30' V}$

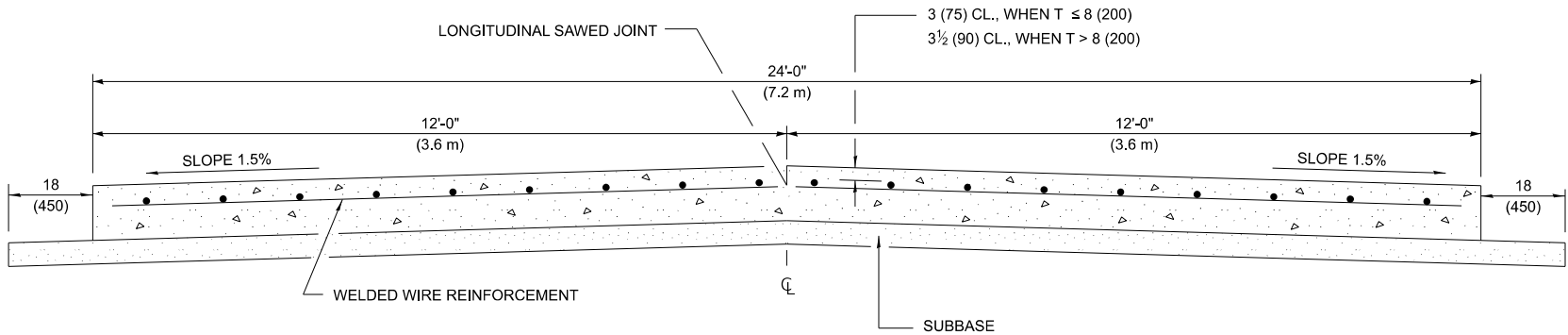
SHEET 2 OF 3 SHEETS STA. 100+25.00 R2 TO STA. 101+00.00 R2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1:125CR-2	SALINE	47	44
CONTRACT NO. 78A98				
ILLINOIS FED. AID PROJECT				

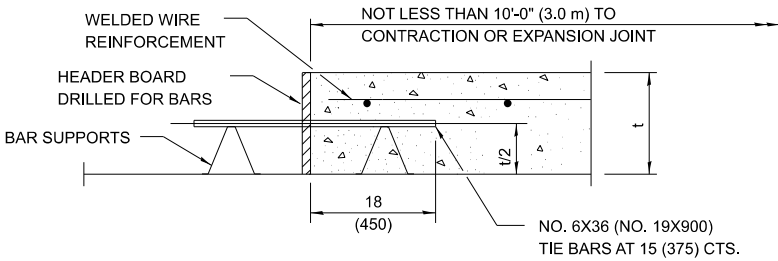


* SEE SHEET 3 OF 3 FOR SECTION ALONG CENTERLINE OF PROPOSED STRUCTURE

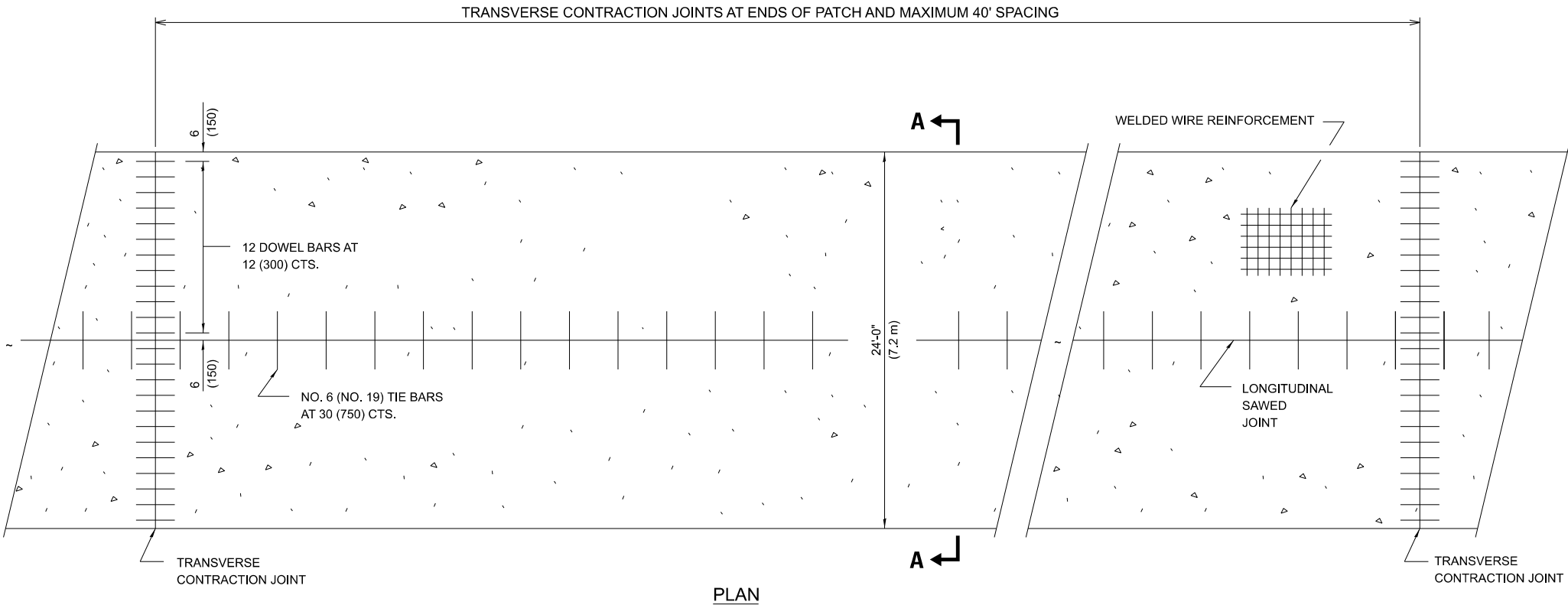
24' (7.2 m) PCC PAVEMENT
OVER BOX CULVERT



SECTION A-A
(TYPICAL 2-LANE WITH SHOULDERS)



TRANSVERSE CONSTRUCTION JOINT
(IF NEEDED PER STANDARD SPECIFICATIONS)



GENERAL NOTES

SEE STANDARD 420001 FOR DETAILS NOT SHOWN.

SEE STANDARD 420701 FOR WELDED WIRE
REINFORCEMENT DETAILS.

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

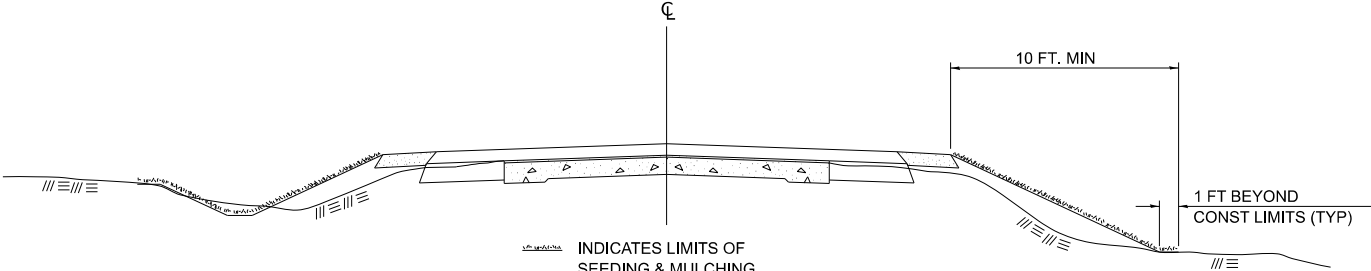
ACTUAL DIMENSIONS TO MATCH FIELD CONDITIONS
AND CONSTRUCTION METHODS.

DRAWN	11-09-17
REVISED	07-23-18
REVISED	10-21-21
REVISED	05-04-22

STD. 9-13

MODEL: Detail01 [Sheet] FILE NAME: P:\Carbondale\24files\247032 IDOT Dist 9 FTB 212-04\Work Order 05 - IL 142 Box Culverts\Transportation\CADD Sheets\78A98_sht_Details.dgn	USER NAME = aschafer		DESIGNED AMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. ROUTE 776 (IL 142) DISTRICT 9 DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN AMS	REVISED -					776	125CR-1; 125CR-2	SALINE	47	46
			CHECKED EBB	REVISED -					CONTRACT NO. 78A98				
	PLOT DATE = 2/17/2026		DATE 1/22/2026	REVISED -		SCALE: N.T.S.	SHEET 1 OF 2 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

SEEDING & MULCHING



GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS.
LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

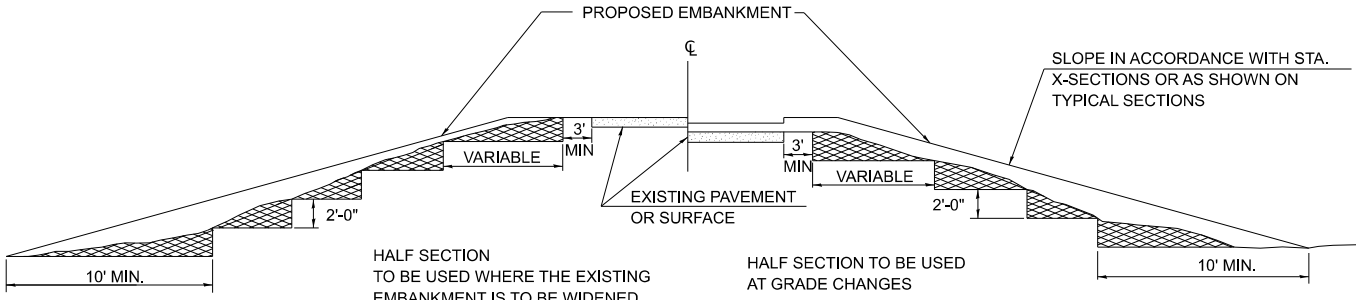
THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

DRAWN	02-15-89
REVISED	03-27-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-19

**TYPICAL CROSS SECTION SHOWING
STEP CONSTRUCTION ON EXISTING FILL**



 STEPS SHALL BE CUT IN THE EXISTING SLOPE IN ACCORDANCE WITH ART. 205.03 EXCEPT THAT THE REQUIREMENT THAT STEPS SHALL BE CUT INTO THE EXISTING SLOPE BEFORE THE CONSTRUCTION OF THE EXISTING EMBANKMENT IS STARTED SHALL NOT APPLY. MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04. COSTS TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

DRAWN	02-15-89
REVISED	05-07-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-25

T
F

USER NAME = aschafer	DESIGNED AMS	REVISED -
	DRAWN AMS	REVISED -
	CHECKED EBB	REVISED -
PLT DATE = 2/17/2026	DATE 1/22/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.P. ROUTE 776 (IL 142)
DISTRICT 9 DETAILS

SCALE: N.T.S.	SHEET 2 OF 2 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
776	125CR-1; 125CR-2	SALINE	47	47
		CONTRACT NO. 78A98		
ILLINOIS		FED. AID PROJECT		

MODEL: Detail02 [Sheet]
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