

ESCA PROJECT NO. 1295.10				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2,32B-3	SALINE	73	1
ILLINOIS			CONTRACT NO. 78501	

03-05-2021 LETTING ITEM 043

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR SUMMARY OF QUANTITIES, SEE SHEETS 4-10

**TRAFFIC DATA**

**SN 083-7067 (US 45)**

FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL

ADT: 5255 (2020)  
 PV: 86.8%  
 TRUCKS: 13.2%  
 DESIGN SPEED: 55 MPH  
 POSTED SPEED: 55 MPH

**TRAFFIC DATA**

**SN 083-0042 (FEAZEL RD)**

FUNCTIONAL CLASSIFICATION: LOCAL ROAD (RURAL)

ADT: 895 (2020)  
 PV: 97.7%  
 TRUCKS: 2.3%  
 DESIGN SPEED: 55 MPH  
 POSTED SPEED: 55 MPH

**TRAFFIC DATA**

**FEAZEL ST**

FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR

ADT: 1260 (2020)  
 PV: 86.7%  
 TRUCKS: 13.3%  
 DESIGN SPEED: 30 MPH  
 POSTED SPEED: 30 MPH

**TOWNSHIP**

HARRISBURG

DESIGN DESIGNATION : N.A.

COORDINATE SYSTEM : NAD 1983 STATE PLANE ILLINOIS EAST FIPS 1201 FEET (HORIZONTAL) NAVD88 (VERTICAL)



ESCA PROJECT NO. 1295.10

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

PROJECT ENGINEER: MICHAEL STEPHENSON  
 PROJECT DESIGNER: ESCA CONSULTANTS, INC.

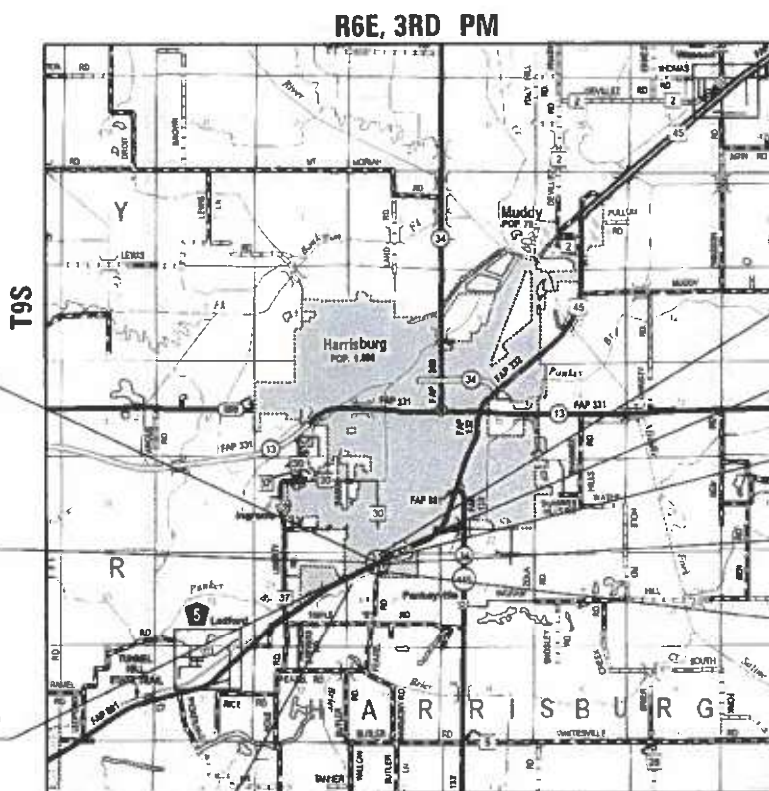
CONTRACT NO. 78501

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PROPOSED  
 HIGHWAY PLANS**

FAP ROUTE 881 (US 45)  
 SECTION 32B-2;32B-3  
 PROJECT STP-YM4Y(059)  
 CULVERT REPLACEMENT  
 OVER UNNAMED STREAM  
 BRIDGE REPLACEMENT  
 OVER PANKEY BRANCH  
 SALINE COUNTY

C-99-069-15



PANKEY BRANCH LOCATION MAP

EXISTING STRUCTURE NO. 083-7067  
 STATION 76+27.50  
 PROPOSED STRUCTURE NO. 083-7102  
 STATION 76+32.50  
 OVER UNNAMED STREAM  
 8' SPAN X 5' RISE  
 DOUBLE BOX CULVERT  
 NO SKEW

EXISTING STRUCTURE NO. 083-0042  
 STATION 75+80.00  
 PROPOSED STRUCTURE NO. 083-2018  
 STATION 9+40.00  
 OVER PANKEY BRANCH  
 8' SPAN X 6' RISE  
 TRIPLE BOX CULVERT  
 SKEWED 25° LEFT AHEAD

US 45 IMPROVEMENTS END  
 STA 76+55

FEAZEL ST IMPROVEMENTS END  
 STA 10+89

FEAZEL ST IMPROVEMENTS BEGIN  
 STA 10+21.71

US 45 IMPROVEMENTS BEGIN  
 STA 74+25

FEAZEL RD IMPROVEMENTS END  
 STA 9+76.41

FEAZEL RD IMPROVEMENTS BEGIN  
 STA 8+62



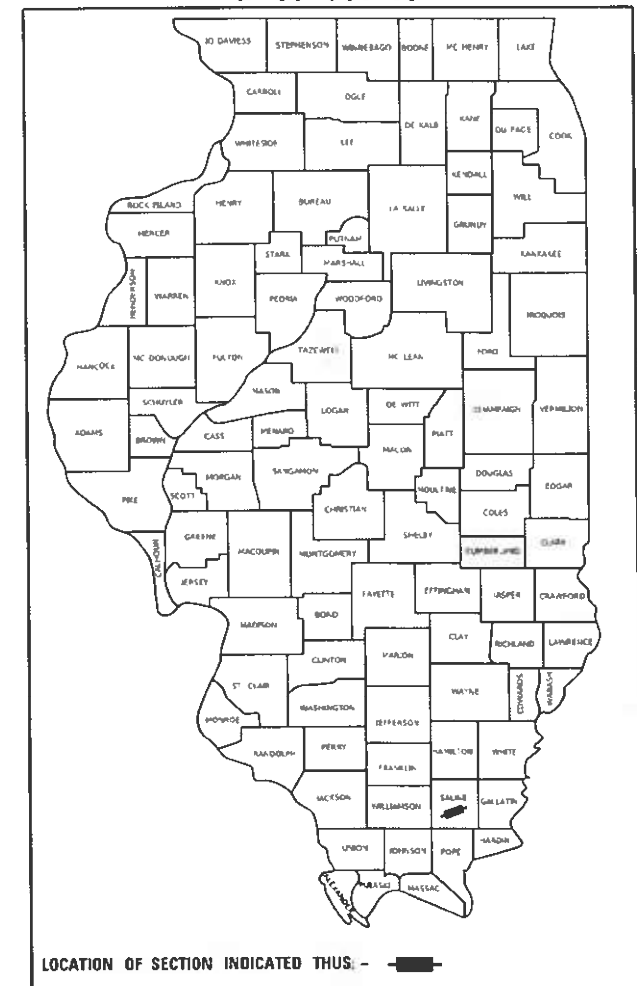
EXPIRES 11-30-21

SIGNATURE

09-23-20  
 DATE

GROSS LENGTH = 411.70 FT. = 0.078 MILE  
 NET LENGTH = 411.70 FT. = 0.078 MILE

D-99-061-15



LOCATION OF SECTION INDICATED THUS: [shaded box]

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED 10-08-20  
 [Signature]

REGION FIVE ENGINEER

January 29, 2021

[Signature]

ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 2021

[Signature]

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS



**GENERAL NOTES**

- FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:
 

ALL HOT-MIX ASPHALT	2.016 TONS/CU YD
ALL AGGREGATE	2.05 TONS/CU YD
RIPRAP	1.50 TONS/CU YD
- THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION.
- AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR 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.
- EDGE LINE PAVEMENT MARKING SHALL BE REMOVED IF A 10 FT LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHALL BE INSTALLED WHEN THE EDGE LINES ARE REMOVED.
- REMOVAL OF ABANDONED UTILITIES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

- FOR BASE COURSE WIDENING WIDER THAN 6 FT, CONSTRUCTION SHALL FOLLOW SECTION 354 OR SECTION 356 OF THE STANDARD SPECIFICATIONS.
- CONNECTING OF NEW OR EXISTING PIPE TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, PIPE SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE PIPE OR STRUCTURES INVOLVED.
- THE RUMBLE STRIPS ON THE NORTH SIDE OF US 45 SHALL NOT BE INSTALLED UNTIL AFTER COMPLETION OF STAGE II.
- THE POST SPACING FOR STRONG POST GUARDRAIL ATTACHED TO CULVERT IS 6'-3".
- TO RETAIN THE TEMPORARY CONCRETE BARRIER FOR STAGE II TRAFFIC, THE CONTRACTOR SHALL HAVE THE OPTION OF USING EITHER 2 (#5) BAR SPLICERS OR 2 CAST-IN-PLACE INSERTS AT 6" CENTERS AT THE MID-DEPTH OF THE PCC PAVEMENT. THE BAR SPLICERS OR INSERTS SHALL HAVE A MINIMUM PROOF LOAD OF 5,000 POUNDS, ALONG WITH THE ANCHORING DEVICES, THE CONTRACTOR SHALL PROVIDE ONE STEEL RETAINER PLATE, AND (2) ½" DIAMETER BOLTS AND WASHERS EVERY 6 FEET AS SHOWN ON DETAIL II ON BASE SHEET R-27 IN THE STRUCTURE PLANS FROM STA 76+05 TO STA 76+55 FOR STAGE II TRAFFIC. THIS WORK SHALL BE INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

**COMMITMENTS**

- TO AVOID DIRECT IMPACTS TO TUNNEL HILL STATE TRAIL, MATERIALS SHALL NOT BE STOCKPILED WEST OF FEAZEL STREET AND NORTH OF US 45.

**HMA MIXTURES REQUIREMENTS**

MIXTURE USE	HOT-MIX ASPHALT SHOULDERS	BASE COURSE WIDENING	HOT-MIX ASPHALT SURFACE COURSE
AC/PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION	IL-19.0	IL-19.0	IL-9.5
FRICTION AGGREGATE	N/A	N/A	MIX C
LOCATIONS	GUARDRAIL LOCATIONS	US 45 BASE COURSE	US 45 & FEAZEL RD
MIXTURE WEIGHT	112 LBS/SQ YD/IN	112 LBS/SQ YD/IN	112 LBS/SQ YD/IN
ABR% (MAX)	SEE BDE SPECIAL PROVISION	SEE BDE SPECIAL PROVISION	SEE BDE SPECIAL PROVISION
QUALITY MANAGEMENT PROGRAM	QCQA	QCQA	QCQA
SUBLOT SIZE	N/A	N/A	N/A

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USER NAME = skm	DESIGNED - SKM	REVISED -
ESCA PROJECT NO. 1295.10	DRAWN - SKM	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 10/9/2020	DATE - 09/20	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND COMMITMENTS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	3
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 083-7102	0010 S.N. 083-2018
20200100	EARTH EXCAVATION	CU YD	2180	2180		
20700220	POROUS GRANULAR EMBANKMENT	CU YD	800		390	410
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25		
25000305	SEEDING, CLASS 3A	ACRE	0.5	0.5		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	70	70		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	70	70		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	70	70		
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.5	1.5		
25100115	MULCH, METHOD 2	ACRE	0.75	0.75		
25100630	EROSION CONTROL BLANKET	SQ YD	2413	2413		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	150	150		
28000305	TEMPORARY DITCH CHECKS	FOOT	45	45		
28000500	INLET AND PIPE PROTECTION	EACH	1	1		
28100107	STONE RIPRAP, CLASS A4	SQ YD	325		105	220

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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NONE    SHEET NO. 1 OF 7 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	4
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 083-7102	0010 S.N. 083-2018
28200200	FILTER FABRIC	SQ YD	325		105	220
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	554	554		
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	407	407		
35650500	BASE COURSE WIDENING 10"	SQ YD	769	769		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1967	1967		
40600990	TEMPORARY RAMP	SQ YD	76	76		
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	112	112		
42000060	WELDED WIRE REINFORCEMENT	SQ YD	134	134		
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	507	507		
42001300	PROTECTIVE COAT	SQ YD	507	507		
44000100	PAVEMENT REMOVAL	SQ YD	576	576		
44004250	PAVED SHOULDER REMOVAL	SQ YD	107	107		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	262	262		
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1			1

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DATE - 09/20

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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NONE    SHEET NO. 2 OF 7 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	5
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE ROADWAY	80% FEDERAL 20% STATE STRUCTURE	80% FEDERAL 20% STATE STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN		
				CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 083-7102	0010 S.N. 083-2018
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		1	
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1		
50105220	PIPE CULVERT REMOVAL	FOOT	5	5		
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	307		106	201
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	48960		18370	30590
50800515	BAR SPLICERS	EACH	90		90	
50900200	STEEL RAILING, TYPE 2399	FOOT	19		19	
51500100	NAME PLATES	EACH	2		1	1
52200010	TEMPORARY SHEET PILING	SQ FT	915		915	
52200015	PERMANENT SHEET PILING	SQ FT	600			600
52200600	GEOTEXTILE RETAINING WALL	SQ FT	50		50	
54003000	CONCRETE BOX CULVERTS	CU YD	237		94.2	142.8
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	2	2		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1		
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	244		97	147

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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NONE SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	6
CONTRACT NO. 78501				
ILLINOIS   FED. AID PROJECT				

REV. - MS

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ROADWAY	STRUCTURE	STRUCTURE
				CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 083-7102	0010 S.N. 083-2018
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	75	75		
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	62.5	62.5		
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	1	1		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4		
63200310	GUARDRAIL REMOVAL	FOOT	329	329		
63500105	DELINEATORS	EACH	5	5		
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	585	585		
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	12	12		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10		
67100100	MOBILIZATION	L SUM	1	1		
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	1		
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		

\* SPECIALTY ITEM

MODEL: PLOT04  
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DATE - 09/20	REVISED -

STATE OF ILLINOIS  
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SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	7
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 083-7102	0010 S.N. 083-2018
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10		
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1		
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	56	56		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	144	144		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	48	48		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1357	1357		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	400	400		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	175	175		
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2		
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1		
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1	1		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	6	6		

\* SPECIALTY ITEM

MODEL PLOTS  
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STATE OF ILLINOIS  
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SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	8
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE ROADWAY	80% FEDERAL 20% STATE STRUCTURE	80% FEDERAL 20% STATE STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				0004 ROADWAY	0010 S.N. 083-7102	0010 S.N. 083-2018
				URBAN		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1357	1357		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	10	10		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	10	10		
* 86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1	1		
X0323265	REMOVE EXISTING RIPRAP	SQ YD	24	24		
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	250	250		
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	244		97	147
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	482	482		
* X6310088	TRAFFIC BARRIER TERMINAL TYPE 6A (SPECIAL)	EACH	1	1		
* X6310195	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT), MODIFIED	EACH	2	2		
* X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	87.5	87.5		
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1		
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	453	453		
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	24	24		

\* SPECIALTY ITEM

REV. - MS

MODEL: PLOT06  
FILE NAME: Y:\0011295-10\_78501\CADD\Highway\CADD\_Sheets\0978501\_sht\_ssq01.dgn



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REVISED -

STATE OF ILLINOIS  
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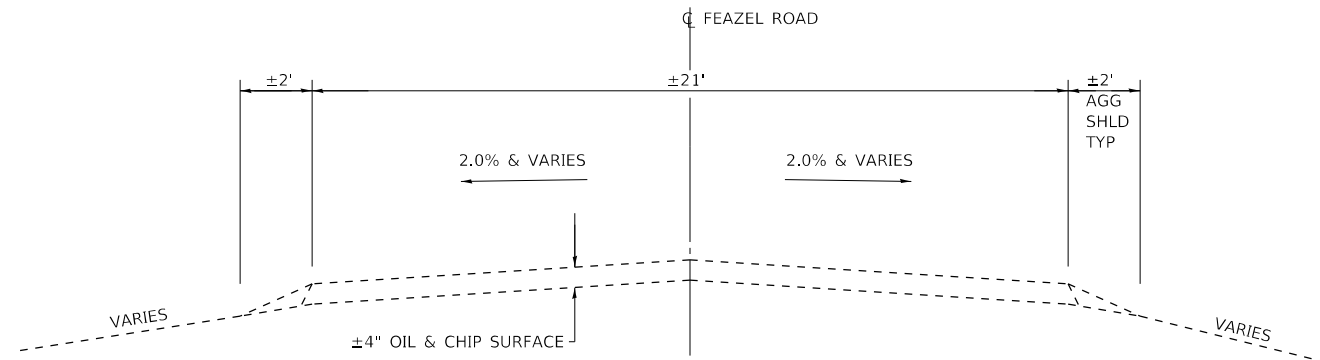
SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

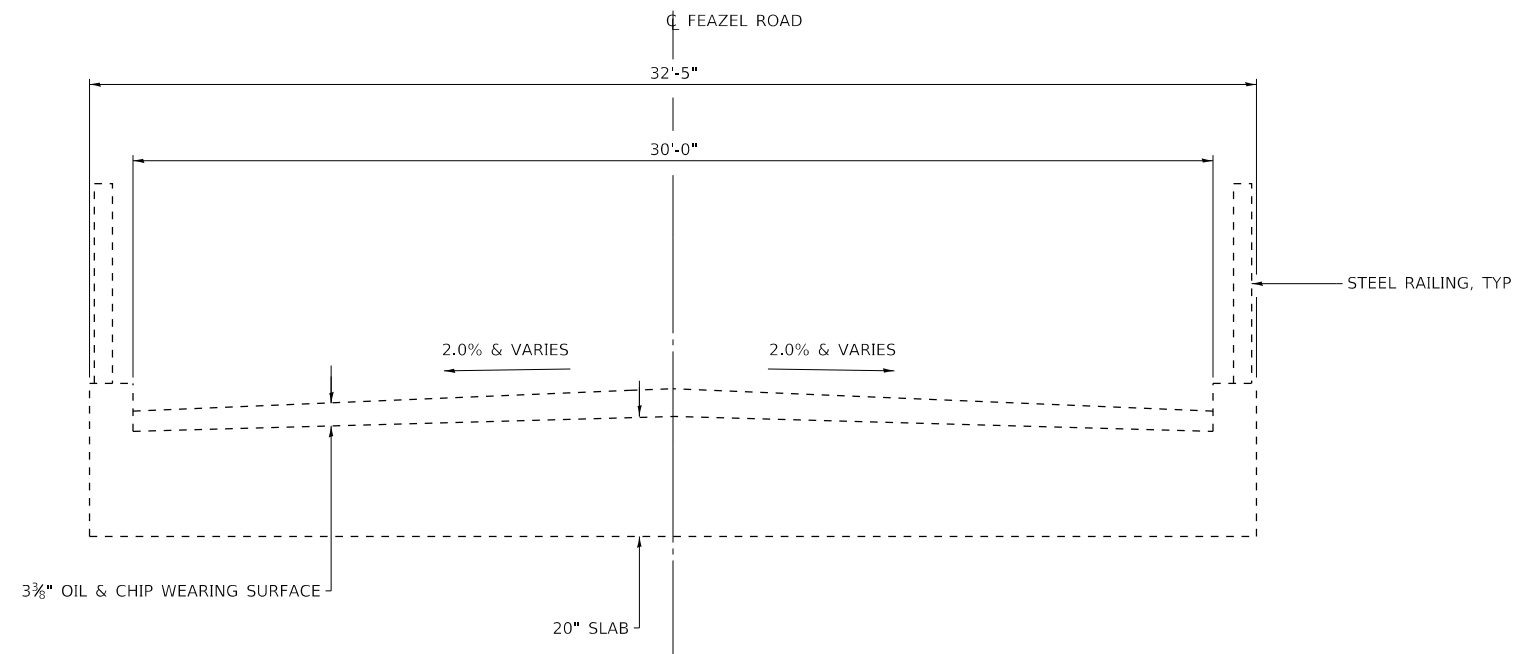
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2,32B-3	SALINE	73	9
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ILLINOIS FED. AID PROJECT				



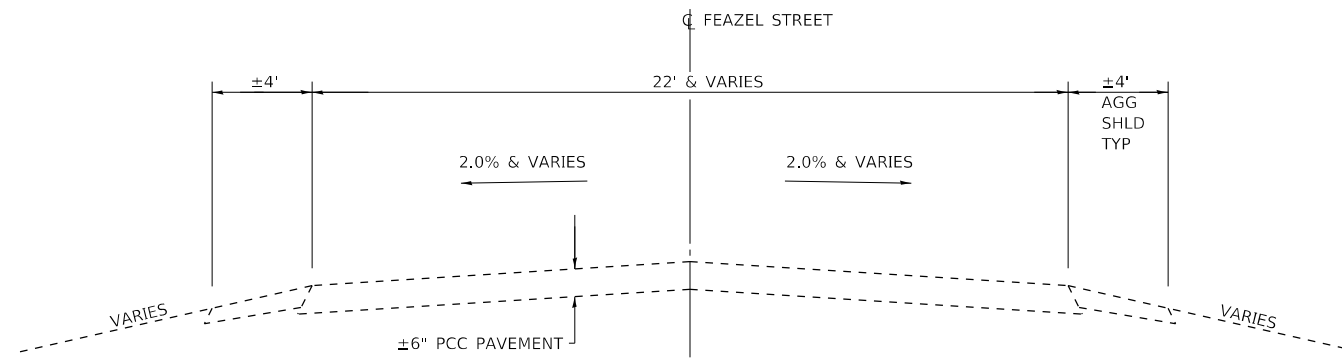




**EXISTING TYPICAL SECTION  
STA 8+00 TO STA 9+40.6 FEAZEL ROAD**



**EXISTING TYPICAL SECTION  
STA 9+40.6 TO STA 9+73.3 FEAZEL ROAD**



**EXISTING TYPICAL SECTION  
STA 10+13.0 TO STA 10+89.0 FEAZEL STREET**

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DATE - 05/20

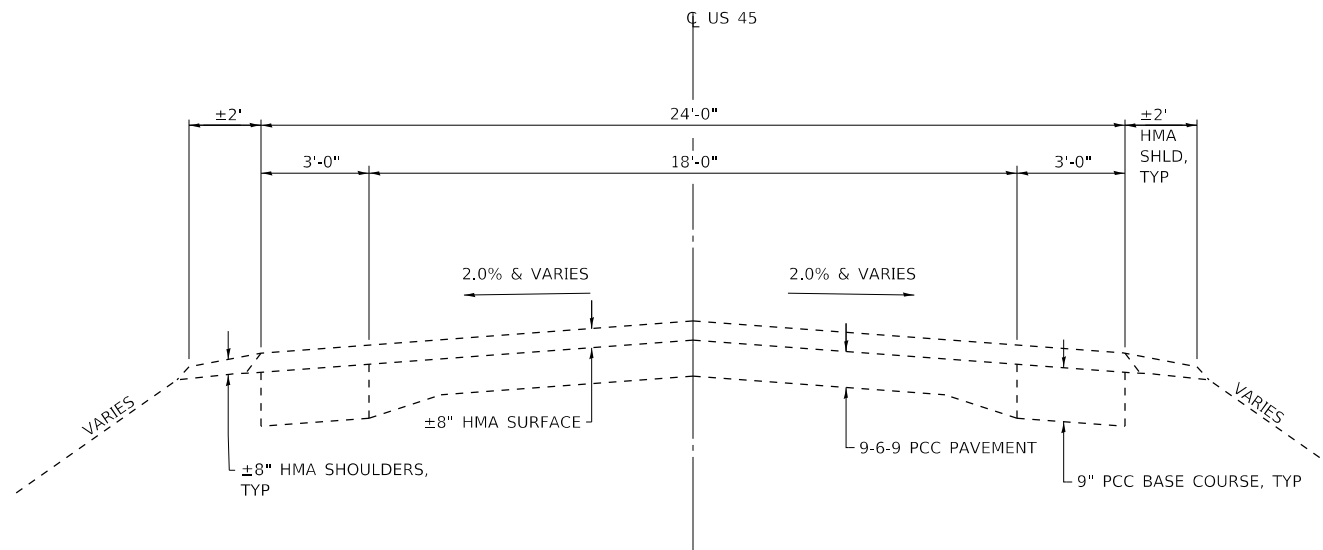
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

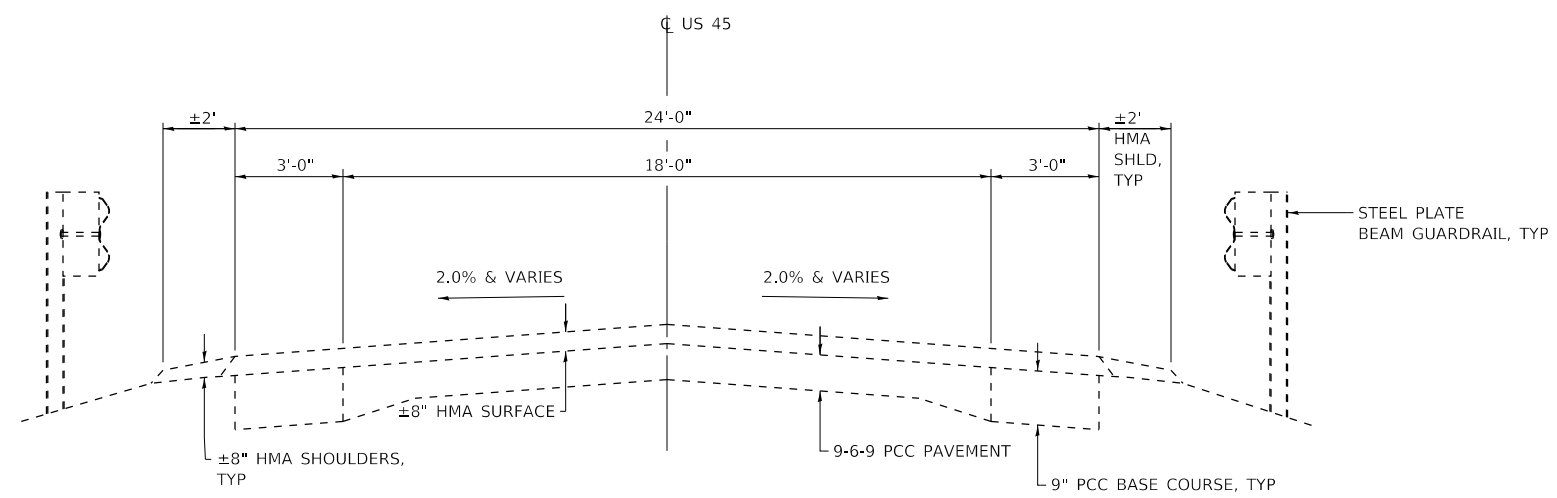
**TYPICAL SECTIONS**

SCALE: NONE SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	11
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION**  
**STA 74+00 TO STA 75+90 US 45**  
**STA 77+70 TO STA 80+00 US 45**



**EXISTING TYPICAL SECTION**  
**STA 75+90 TO STA 77+70 US 45**

MODEL: PLOT  
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ESCA PROJECT NO. 1295.10
PLOT SCALE = 0.1667' / in.
PLOT DATE = 10/9/2020

DESIGNED - SKM
DRAWN - SKM
CHECKED - ELH
DATE - 09/20

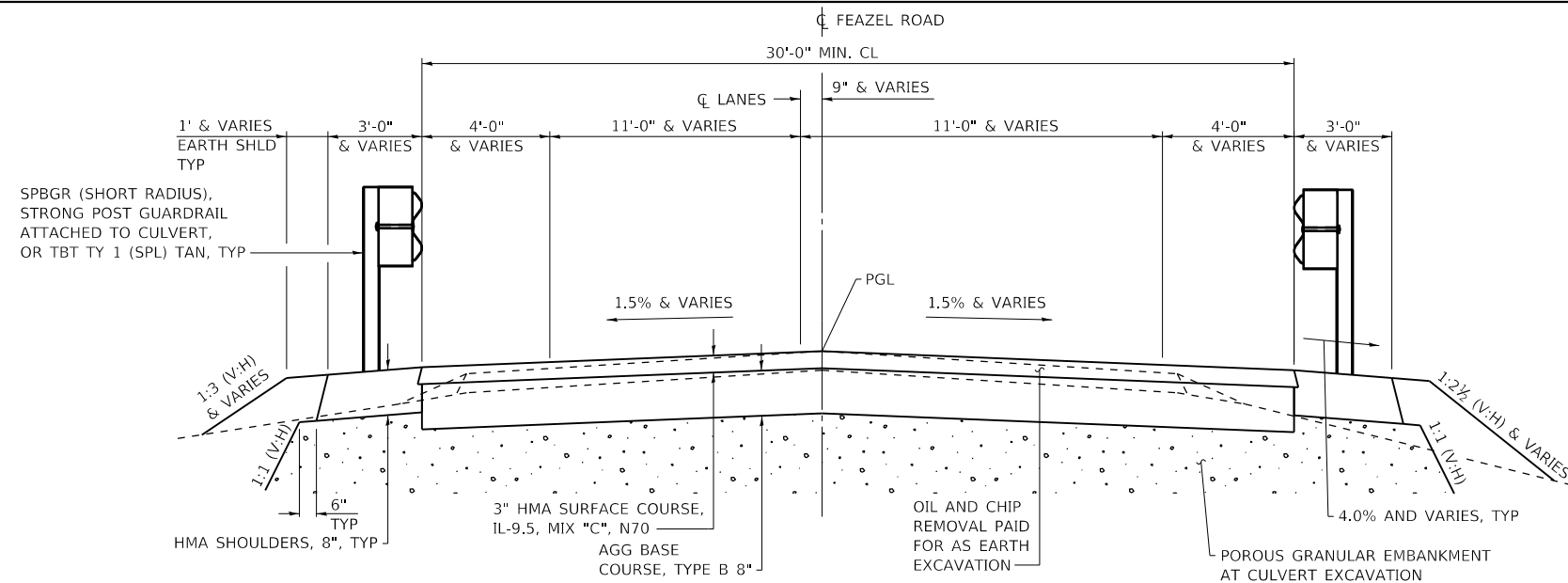
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

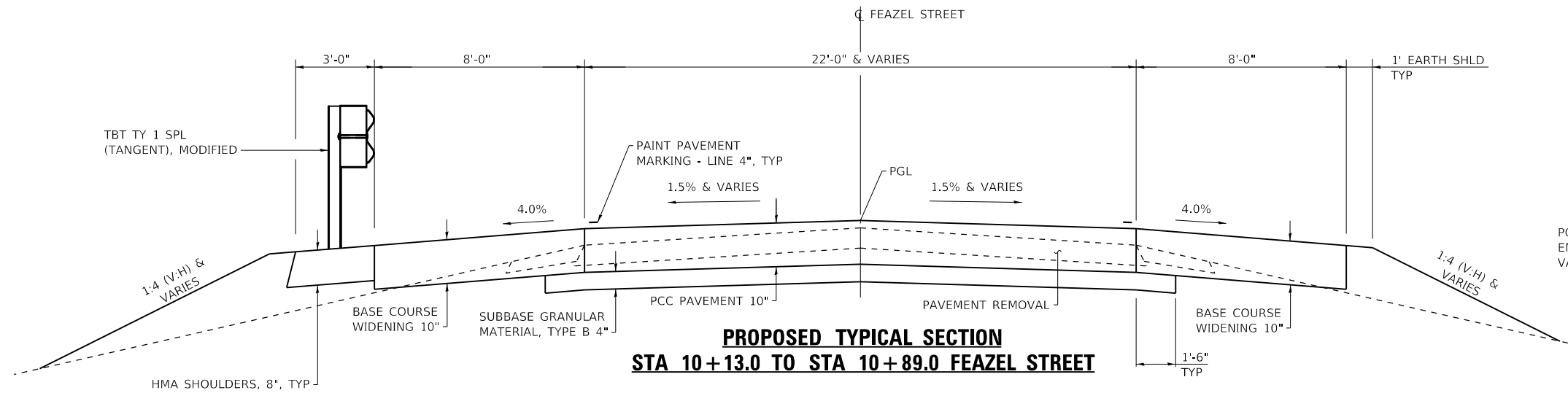
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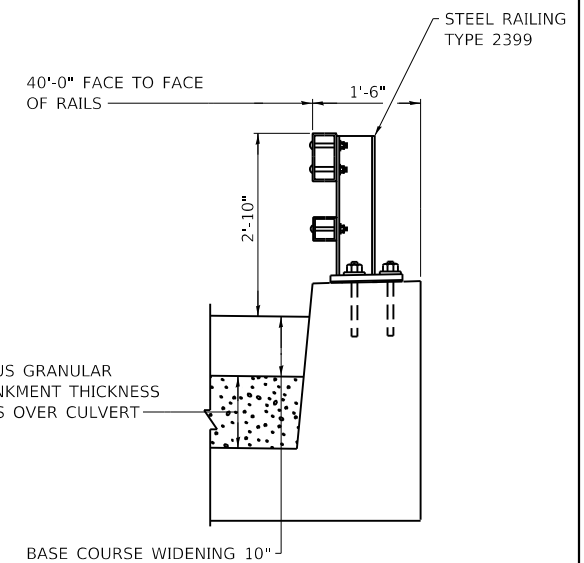
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	12
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



**PROPOSED TYPICAL SECTION  
STA 8+62 TO STA 9+76.41 FEAZEL ROAD**

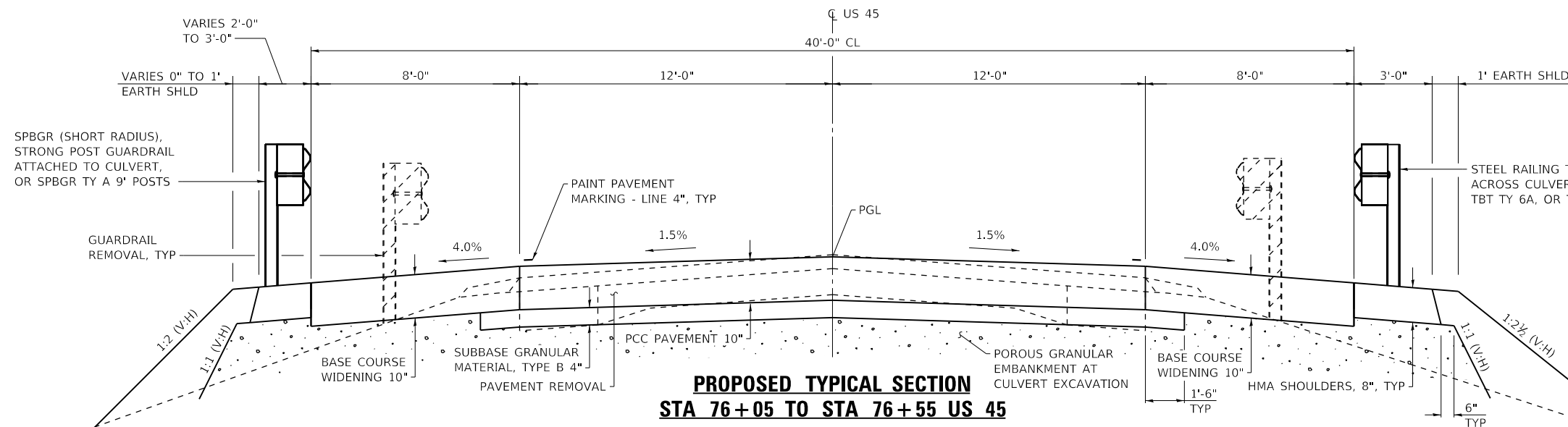


**PROPOSED TYPICAL SECTION  
STA 10+13.0 TO STA 10+89.0 FEAZEL STREET**



**SHOULDER DETAIL  
ACROSS CULVERT**

RT STA 76+23.63 TO 76+41.37 US 45



**PROPOSED TYPICAL SECTION  
STA 76+05 TO STA 76+55 US 45**

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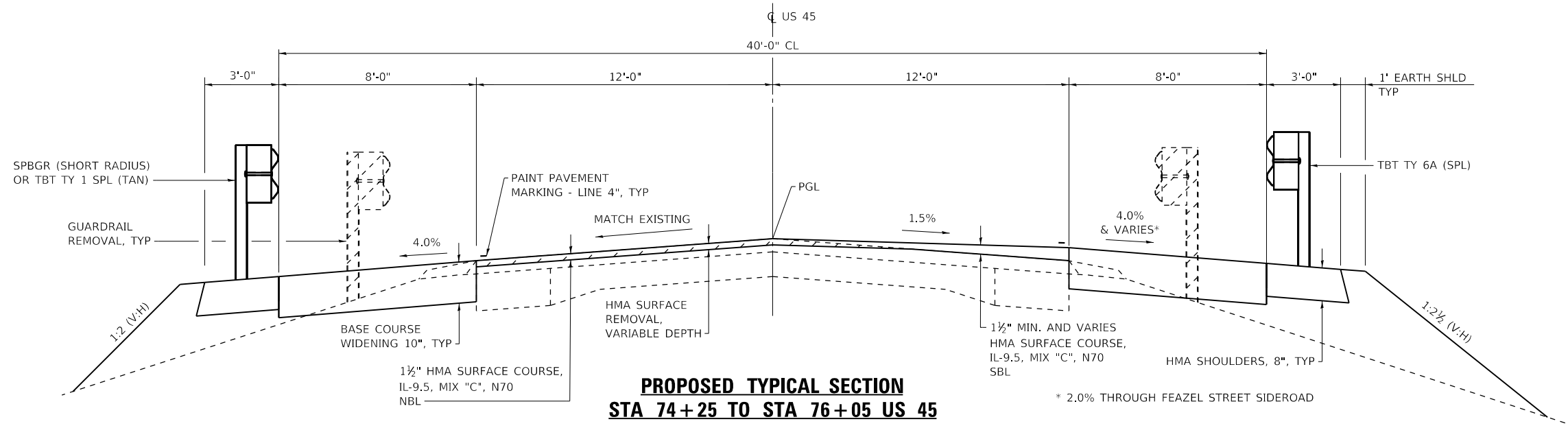
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PLOT DATE = 10/9/2020	DATE - 09/20	REVISED -

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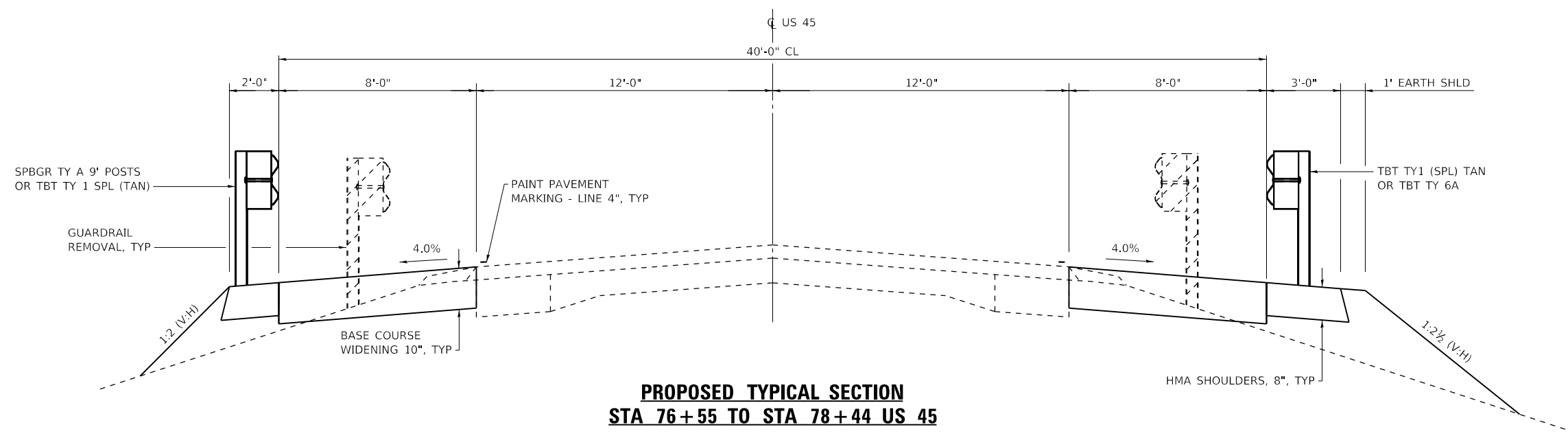
**TYPICAL SECTIONS**

SCALE: NONE SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	13
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



**PROPOSED TYPICAL SECTION  
STA 74+25 TO STA 76+05 US 45**



**PROPOSED TYPICAL SECTION  
STA 76+55 TO STA 78+44 US 45**

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DRAWN - SKM  
CHECKED - ELH  
DATE - 05/20

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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: NONE SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	14
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



EARTHWORK SCHEDULE				
LOCATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
PRE-STAGE I - NORTHEAST QUADRANT	40	30	3	+27
STAGE I - NORTHWEST QUADRANT	410	308	185	+123
STAGE II - SOUTHEAST QUADRANT	355	266	114	+152
STAGE II - SOUTHWEST QUADRANT	1375	1031	218	+814
TOTAL	2180			

EXCAVATION TO BE USED IN EMBANKMENT = EARTH EXCAVATION \* 0.75

RIGHT OF WAY MARKERS SCHEDULE	
LOCATION	FURNISHING AND ERECTING RIGHT OF WAY MARKERS EACH
STA 74+90.00, 40.00' LT	1
STA 74+90.00, 85.00' LT	1
STA 75+59.24, 98.58' LT	1
STA 74+60.00, 30.00' RT	1
STA 74+77.81, 76.59' RT	1
STA 75+63.18, 80.04' RT	1
STA 76+00.00, 60.00' RT	1
STA 78+00.00, 60.00' RT	1
STA 78+00.00, 35.00' RT	1
STA 76+69.61, 80.00' LT	1
STA 78+50.00, 80.00' LT	1
STA 78+50.00, 70.00' LT	1
TOTAL	12

PCC PAVEMENT SCHEDULE				
LOCATION	PORTLAND CEMENT CONCRETE PAVEMENT 10"	PROTECTIVE COAT	WELDED WIRE REINFORCEMENT	SUBBASE GRANULAR MATERIAL, TYPE B 4"
	SQ YD	SQ YD	SQ YD	SQ YD
STA 76+05.00 TO STA 76+55.00	134	134	134	150
STA 10+13.02 TO STA 10+89.00	373	373		404
TOTALS	507	507	134	554

SEEDING SCHEDULE							
LOCATION	SEEDING, CLASS 2A	SEEDING, CLASS 3A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2
	ACRE	ACRE	POUND	POUND	POUND	TON	ACRE
NORTHEAST QUADRANT	0.11	0.00	10	10	10	0.22	0.11
NORTHWEST QUADRANT	0.14	0.12	25	25	25	0.52	0.26
SOUTHEAST QUADRANT	0.00	0.13	12	12	12	0.5	0.25
SOUTHWEST QUADRANT	0.00	0.25	23	23	23	0.26	0.13
TOTALS	0.25	0.50	70	70	70	1.5	0.75

PAVING SCHEDULE				
LOCATION	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	AGGREGATE BASE COURSE, TYPE B 8"	BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT
	TON	SQ YD	POUND	FOOT
STA 74+25.00 TO STA 76+05.00	43		1080	180
STA 8+62.00 TO STA 9+76.41	69	407	184	115
TOTALS	112	407	1264	295

EROSION CONTROL SCHEDULE				
LOCATION	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION
	SQ YD	POUND	FOOT	EACH
NORTHEAST QUADRANT	180	22		1
NORTHWEST QUADRANT	726	52	15	
SOUTHEAST QUADRANT	500	50	15	
SOUTHWEST QUADRANT	1007	26	15	
TOTALS	2413	150	45	1

REMOVAL SCHEDULE						
LOCATION	PAVEMENT REMOVAL	CONCRETE HEADWALL REMOVAL	PIPE CULVERT REMOVAL	REMOVE EXISTING RIPRAP	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	CONCRETE RETAINING WALL REMOVAL
	SQ YD	EACH	FOOT	SQ YD	SQ YD	FOOT
STA 74+25 TO STA 76+05					482	
RT STA 75+88 TO RT STA 75+93			5			
RT STA 75+93		1				
STA 76+05, 23' RT				24		
STA 76+05 TO STA 76+55	134					
STA 77+03, 26.9' LT TO STA 78+40, 26.6' LT						137
STA 9+73.37 TO STA 9+85.61	52					
STA 10+13.02 TO STA 10+89	331					
BSE CSE WID LT STA 74+75 TO LT STA 75+39	15					
BSE CSE WID LT STA 75+96 TO LT STA 76+55	14					
BSE CSE WID NORTHWEST QUADRANT	30					
TOTALS	576	1	5	24	482	137

BASE COURSE WIDENING & SHOULDER SCHEDULE					
LOCATION	BASE COURSE WIDENING 10"	8" HOT-MIX ASPHALT SHOULDERS	BITUMINOUS MATERIALS (TACK COAT)	PAVED SHOULDER REMOVAL	SHOULDER RUMBLE STRIPS, 8 INCH
	SQ YD	SQ YD	POUND	SQ YD	FOOT
RT STA 74+25.00 TO RT STA 10+89.00	105				
LT STA 74+25.00 TO LT STA 78+44.00	314				
LT STA 74+75.00 TO LT STA 77+75.00	67				
LT STA 10+89.00 TO RT STA 78+15.00	253				
LT STA 10+84.50 TO RT STA 75+84.00	30				
LT STA 74+25.00 TO LT STA 75+39.10				32	114
RT STA 74+25.00 TO RT STA 74+83.40				12	58
RT STA 76+10.20 TO RT STA 76+44.70				14	
LT STA 77+49.70 TO LT STA 78+44.00				22	
RT STA 77+10.40 TO RT STA 78+15.00				27	
LT STA 74+69.00 TO RT STA 8+62.00		92	247		
LT STA 10+89.00 TO RT STA 76+23.63		37	99		
RT STA 76+41.37 TO RT STA 77+52.00		34	91		
LT STA 8+53.00 TO LT STA 77+90.00		99	266		
RT STA 76+23.00 TO RT STA 78+15.00					192
LT STA 76+23.00 TO LT STA 78+44.00					221
TOTALS	769	262	703	107	585

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 PLOT SCALE = 0.1667' / in.  
 PLOT DATE = 10/9/2020

DESIGNED - SKM  
 DRAWN - SKM  
 CHECKED - ELH  
 DATE - 09/20

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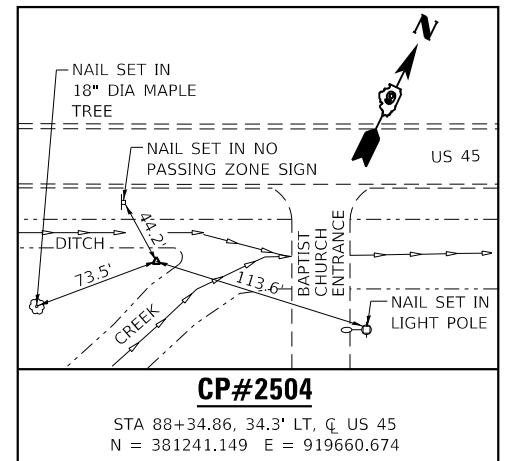
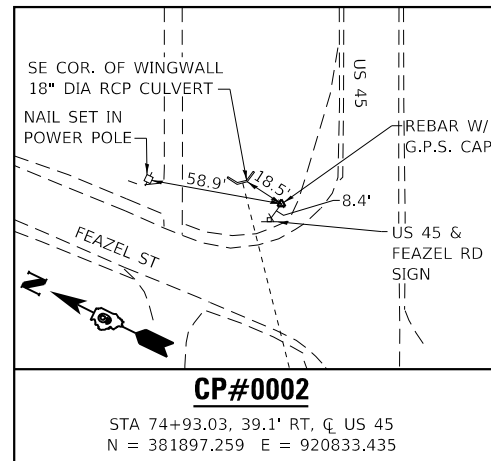
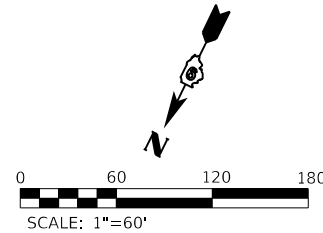
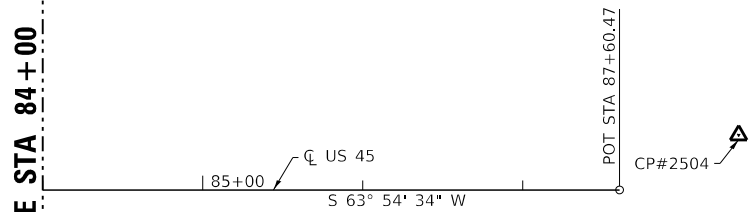
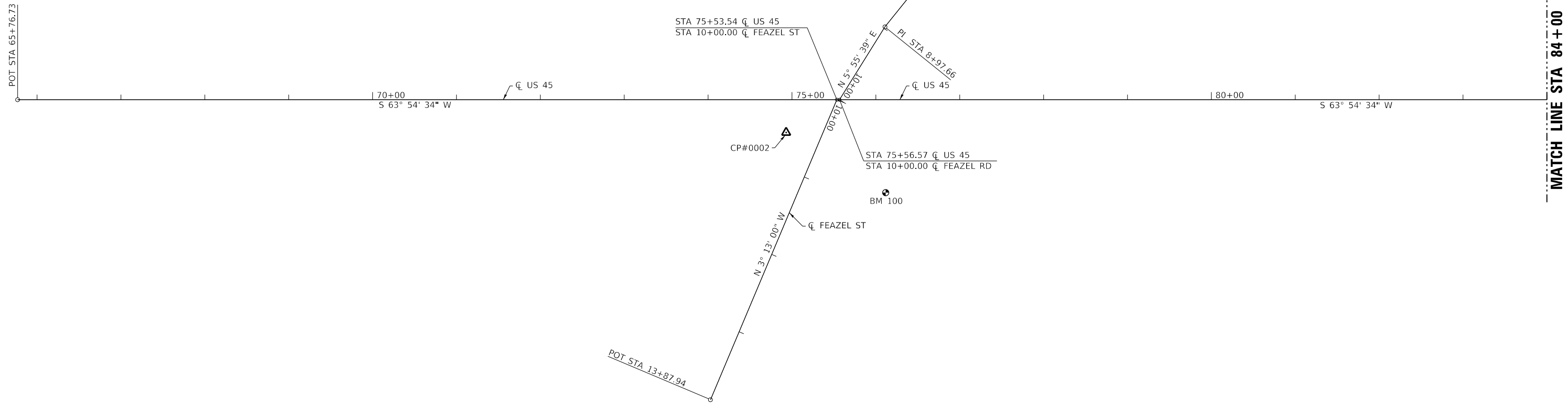
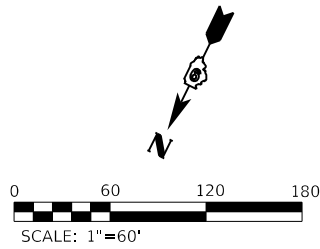
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	15
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				





**BENCHMARK** NAVD 88  
 BM 100 - MONEL RIVET SET IN N WINGWALL OF OLD RR STRUCTURE, NOW A BIKE PATH ALONG US 45, 110.7' RT Q US 45, STA 76+11.65, EL 376.80'

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES & BENCHMARKS**

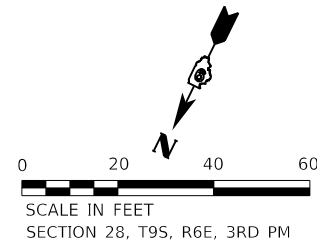
SCALE: 1"=60' SHEET NO. 1 OF 1 SHEETS STA. 65+76.73 TO STA. 87+60.47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	17
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

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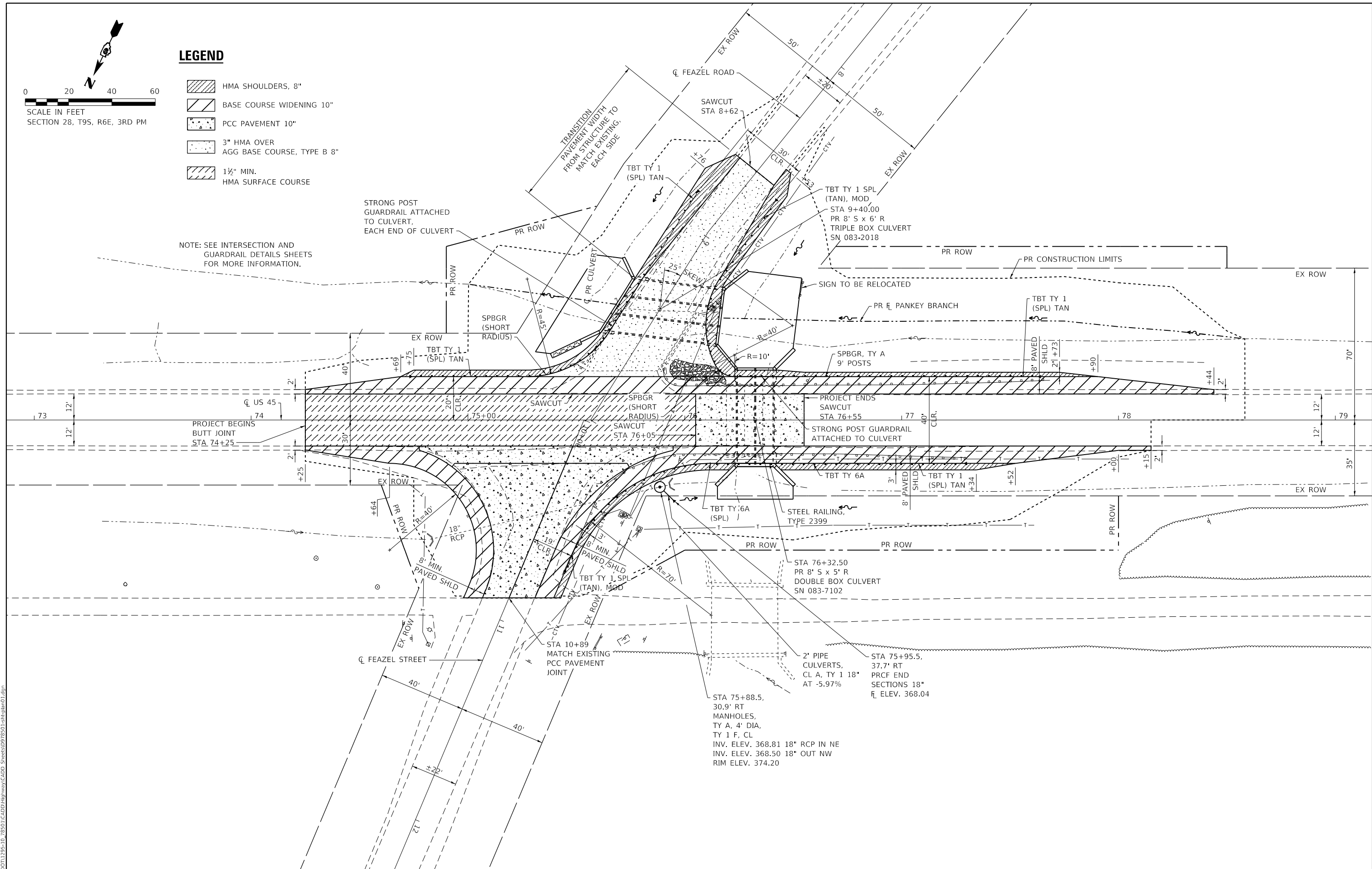
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PLOT DATE = 10/9/2020	DATE - 09/20	REVISED -



**LEGEND**

- HMA SHOULDERS, 8"
- BASE COURSE WIDENING 10"
- PCC PAVEMENT 10"
- 3" HMA OVER AGG BASE COURSE, TYPE B 8"
- 1 1/2" MIN. HMA SURFACE COURSE

NOTE: SEE INTERSECTION AND GUARDRAIL DETAILS SHEETS FOR MORE INFORMATION.



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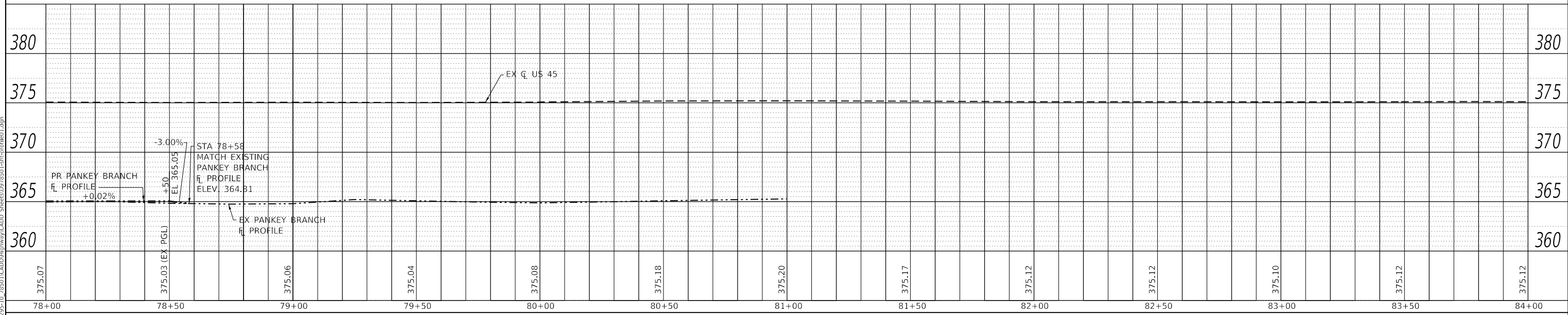
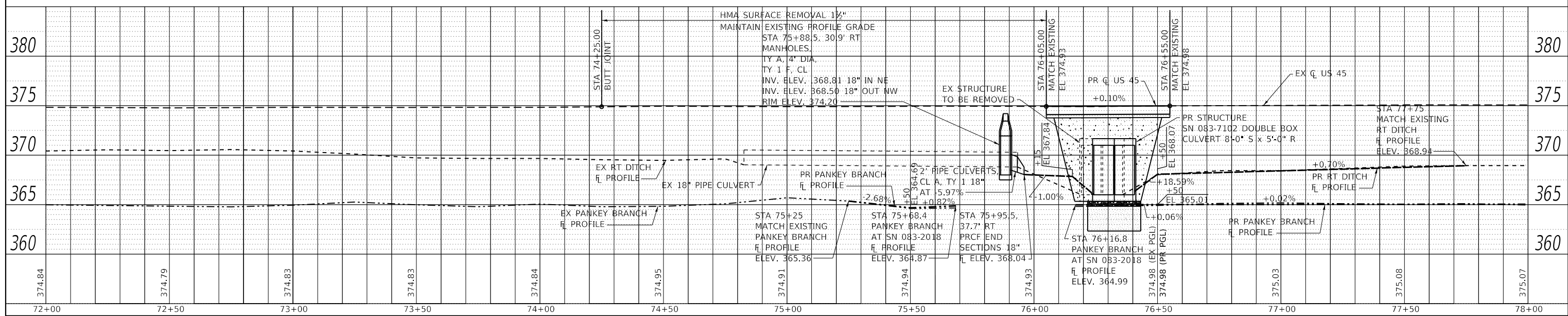
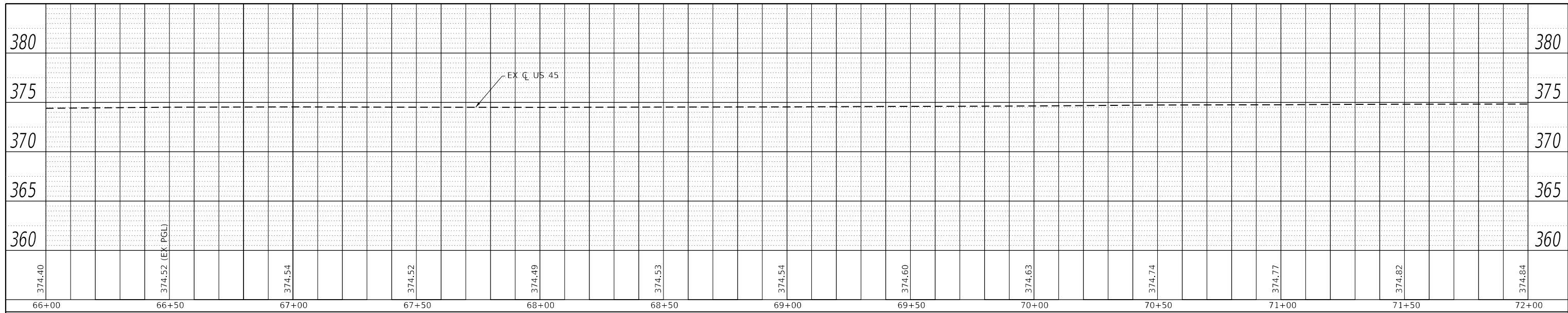
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PLOT DATE = 10/9/2020	DATE - 09/20	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAP 881 (US 45) & FEAZEL ROAD PLAN**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 72+87 TO STA. 79+17

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	18
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



PROFILE	DATE
REVISIONS	BY
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
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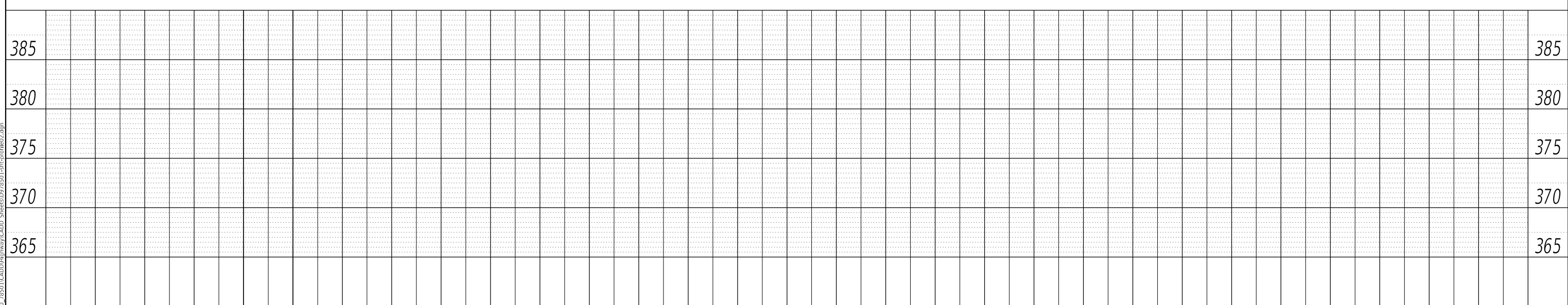
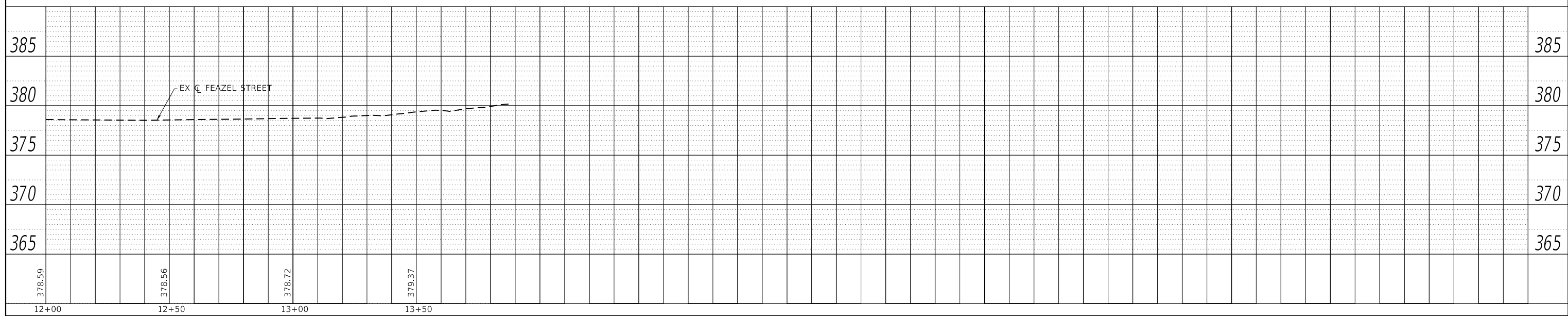
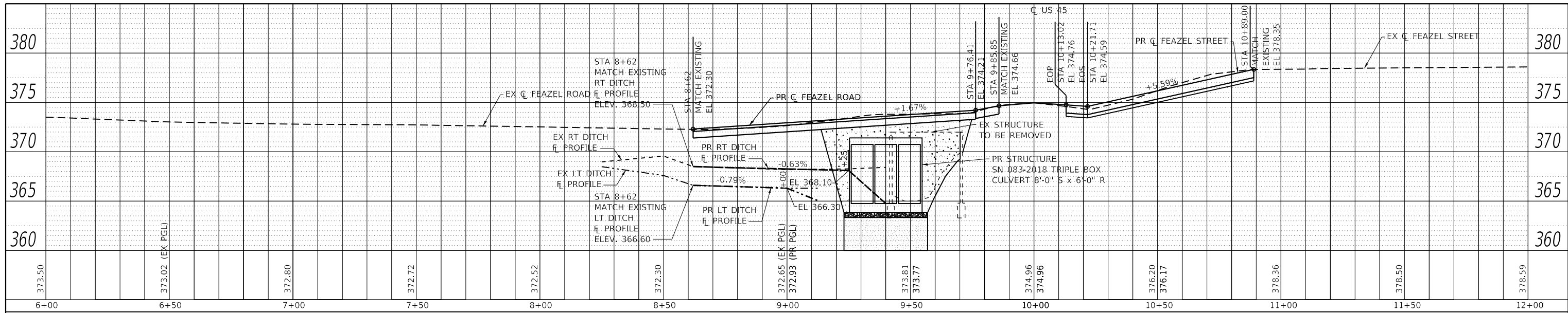
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAP 881 (US 45) PROFILE**

SCALE: AS SHOWN SHEET NO. 1 OF 1 SHEETS STA. 66+00 TO STA. 84+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	19
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				





PROFILE	DATE
BY	
REVIEWED	
FLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	

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PLOT DATE = 10/9/2020	DATE - 09/20	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

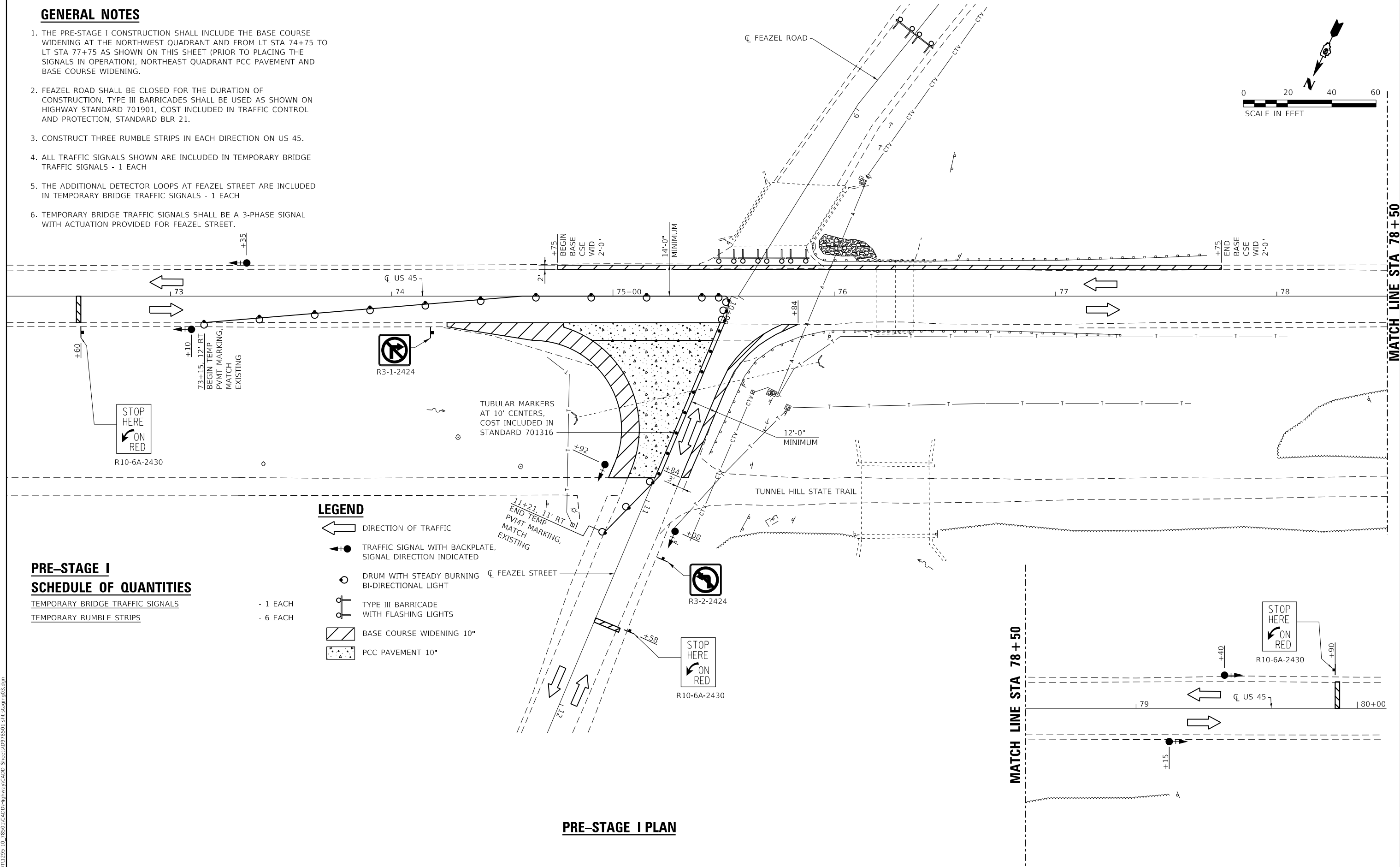
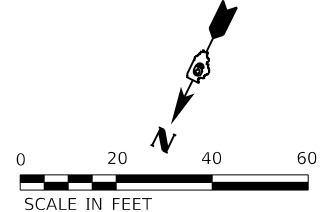
**TR 184 (FEAZEL ROAD) PROFILE**

SCALE: AS SHOWN SHEET NO. 1 OF 1 SHEETS STA. 6+00 TO STA. 13+90

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	20
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

1. THE PRE-STAGE I CONSTRUCTION SHALL INCLUDE THE BASE COURSE WIDENING AT THE NORTHWEST QUADRANT AND FROM LT STA 74+75 TO LT STA 77+75 AS SHOWN ON THIS SHEET (PRIOR TO PLACING THE SIGNALS IN OPERATION), NORTHEAST QUADRANT PCC PAVEMENT AND BASE COURSE WIDENING.
2. FEAZEL ROAD SHALL BE CLOSED FOR THE DURATION OF CONSTRUCTION. TYPE III BARRICADES SHALL BE USED AS SHOWN ON HIGHWAY STANDARD 701901, COST INCLUDED IN TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21.
3. CONSTRUCT THREE RUMBLE STRIPS IN EACH DIRECTION ON US 45.
4. ALL TRAFFIC SIGNALS SHOWN ARE INCLUDED IN TEMPORARY BRIDGE TRAFFIC SIGNALS - 1 EACH
5. THE ADDITIONAL DETECTOR LOOPS AT FEAZEL STREET ARE INCLUDED IN TEMPORARY BRIDGE TRAFFIC SIGNALS - 1 EACH
6. TEMPORARY BRIDGE TRAFFIC SIGNALS SHALL BE A 3-PHASE SIGNAL WITH ACTUATION PROVIDED FOR FEAZEL STREET.



**PRE-STAGE I SCHEDULE OF QUANTITIES**

- TEMPORARY BRIDGE TRAFFIC SIGNALS - 1 EACH
- TEMPORARY RUMBLE STRIPS - 6 EACH

**LEGEND**

- DIRECTION OF TRAFFIC
- TRAFFIC SIGNAL WITH BACKPLATE, SIGNAL DIRECTION INDICATED
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TYPE III BARRICADE WITH FLASHING LIGHTS
- BASE COURSE WIDENING 10"
- PCC PAVEMENT 10"

**PRE-STAGE I PLAN**

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**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION PLAN AND DETAILS**

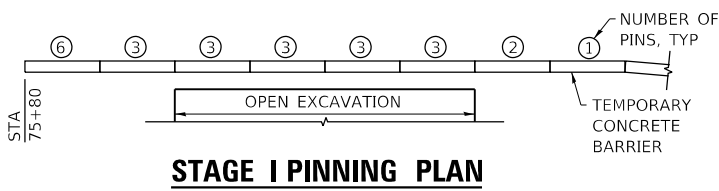
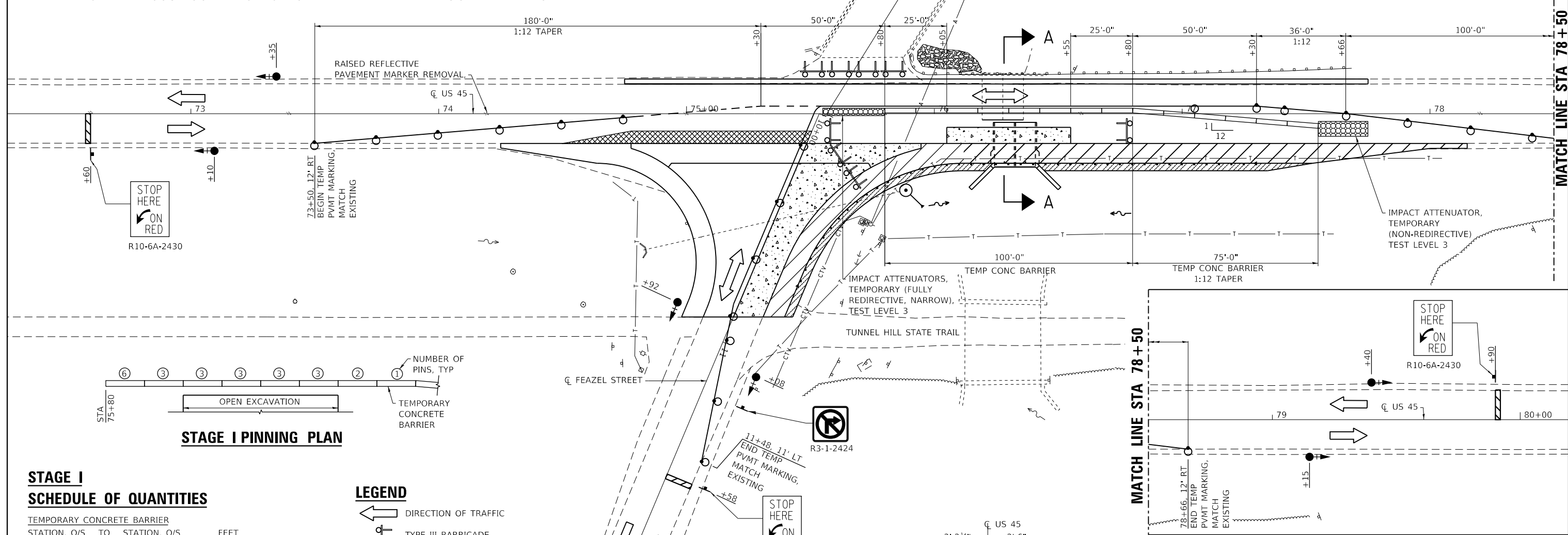
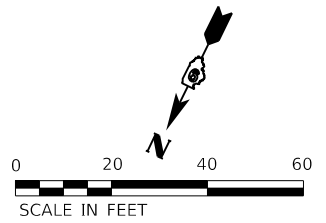
SCALE: 1"=20' SHEET NO. 1 OF 3 SHEETS STA. 72+26 TO STA. 80+10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	21
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 78+50

**GENERAL NOTES**

- PRIOR TO STAGE I CONSTRUCTION, PROVIDE A TEMPORARY RAMP WITH A 1:40 TRANSITION TO THE NEW PCC PAVEMENT ON FEAZEL STREET. THE TRAILING EDGE MAY BE ADJUSTED ±1/4" TO FIT FIELD AND STAGING REQUIREMENTS.
- ADVANCE WIDTH RESTRICTION WARNING SHALL BE INCLUDED IN THE COST OF STANDARD 701321.
- THE DIMENSION SHOWN ON THE WIDTH RESTRICTION SIGN (W12-1102(0)-48) SHOWN ON STANDARD 701321 AND ON THE ADVANCE WARNING SIGN (W12-1103) SHOWN ON SHEET 23 SHALL BE 11'-3" FOR STAGE I CONSTRUCTION.
- TEMPORARY BRIDGE TRAFFIC SIGNALS SHALL BE A 3-PHASE SIGNAL WITH ACTUATION PROVIDED FOR FEAZEL STREET.
- ANY TIME THE CONCRETE BARRIER IS NOT IN THE PROPER POSITION, FLAGGERS SHALL BE IN PLACE TO CONTROL TRAFFIC, THE TEMPORARY TRAFFIC SIGNALS SHALL BE SET TO FLASH ALL RED.
- THE CENTERLINE PAVEMENT MARKING SHOULD BE REMOVED FROM THE STOP BAR TO THE IMPACT ATTENUATORS. EDGE LINE PAVEMENT MARKING SHOULD BE REMOVED IF A 10 FOOT LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHOULD BE INSTALLED WHEN THE EDGE LINES ARE REMOVED.
- THE STAGE I CONSTRUCTION SHALL INCLUDE COMPLETION OF THE EARTHWORK, PIPE CULVERTS, MANHOLE, BASE COURSE WIDENING, PCC PAVEMENT, HMA SHOULDERS, GUARDRAIL AND TRAFFIC BARRIER TERMINALS AS REFERENCED ON THIS SHEET AND DESCRIBED IN DETAIL ON THE PLAN AND PROFILE SHEETS. PLACEMENT OF THE BASE COURSE MAY REQUIRE RELOCATION OF THE TEMPORARY CONCRETE BARRIERS AND THE IMPACT ATTENUATORS DURING THE DAYTIME HOURS. THE COST ASSOCIATED WITH THE STAGING, INCLUDING ANY RELOCATION OF THE TEMPORARY CONCRETE BARRIERS AND IMPACT ATTENUATORS, WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE VARIOUS PAY ITEMS INCLUDED IN THE PLANS.



**STAGE I SCHEDULE OF QUANTITIES**

TEMPORARY CONCRETE BARRIER			
STATION, O/S	TO	STATION, O/S	FEET
75+80.0, 2.2' LT		76+80.0, 2.2' LT	100.0'
76+80.0, 2.2' LT		77+55.0, 4.0' RT	75.0'
STAGE I TOTAL			175.0'

PINNING TEMPORARY CONCRETE BARRIER				
STATION	TO	STATION	TYPE	EACH
75+92.5		76+55.0	CONTINUOUS	15
76+55.0		76+80.0	TRANSITION	3
STAGE I TOTAL				18

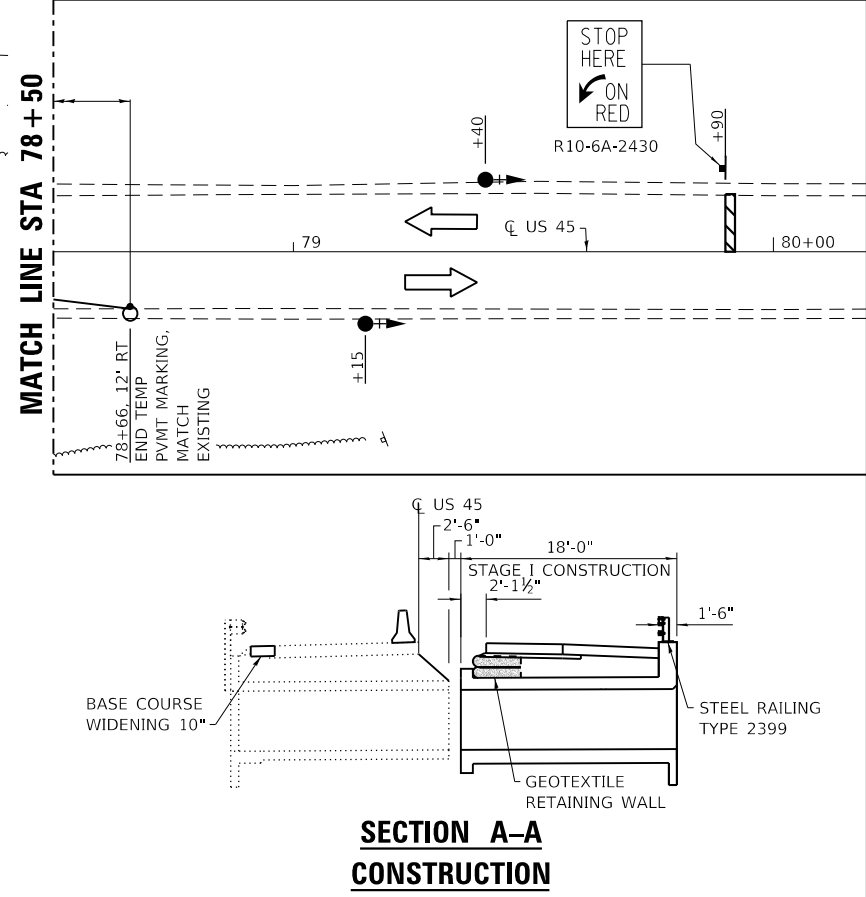
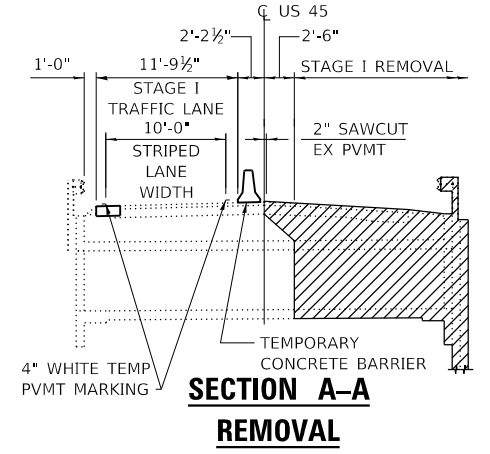
  

IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	- 1 EACH
IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	- 1 EACH

**LEGEND**

- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TRAFFIC SIGNAL WITH BACKPLATE, SIGNAL DIRECTION INDICATED
- TEMPORARY RAMP
- HMA SHOULDERS, 8"
- BASE COURSE WIDENING 10"
- PCC PAVEMENT 10"

**STAGE I PLAN**



MODEL: PLOT FILE: NAME: Y:\DOT\1295-10\_78501\CADD\Highway\CADD\_Sheets\0978501-2-18-stageI.rvt



USER NAME = skm	DESIGNED - SKM	REVISED -
ESCA PROJECT NO. 1295.10	DRAWN - SKM	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 10/9/2020	DATE - 09/20	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**STAGE CONSTRUCTION PLAN AND DETAILS**

SCALE: 1"=20' SHEET NO. 2 OF 3 SHEETS STA. 72+26 TO STA. 80+10

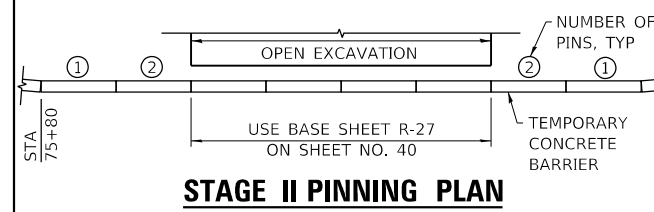
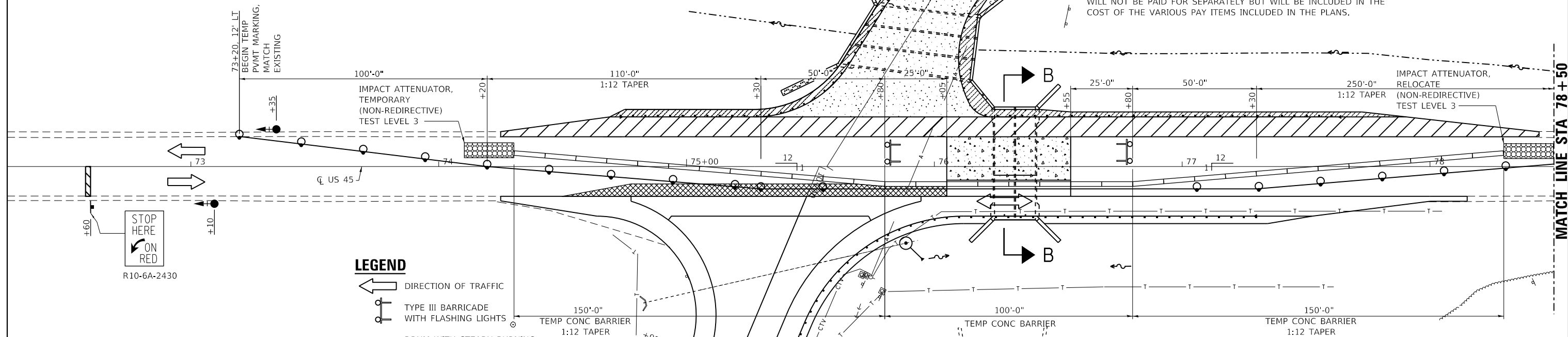
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	22

CONTRACT NO. 78501  
ILLINOIS FED. AID PROJECT

**GENERAL NOTES**

1. PRIOR TO STAGE II CONSTRUCTION, PROVIDE A TEMPORARY RAMP WITH A 1:40 TRANSITION TO THE NEW PCC PAVEMENT ON FEAZEL STREET. THE TRAILING EDGE MAY BE ADJUSTED ±1/4" TO FIT FIELD AND STAGING REQUIREMENTS.
2. THE DIMENSION SHOWN ON THE WIDTH RESTRICTION SIGN (W12-1102(0)-48) SHOWN ON STANDARD 701321 AND ON THE ADVANCE WARNING SIGN (W12-1103) SHOWN ON THIS SHEET SHALL BE 10'-6" FOR STAGE II CONSTRUCTION.
3. TEMPORARY BRIDGE TRAFFIC SIGNALS SHALL BE A 3-PHASE SIGNAL WITH ACTUATION PROVIDED FOR FEAZEL STREET.
4. ANY TIME THE CONCRETE BARRIER IS NOT IN THE PROPER POSITION, FLAGGERS SHALL BE IN PLACE TO CONTROL TRAFFIC. THE TEMPORARY TRAFFIC SIGNALS SHALL BE SET TO FLASH ALL RED.
5. THE CENTERLINE PAVEMENT MARKING SHOULD BE REMOVED FROM THE STOP BAR TO THE IMPACT ATTENUATORS, EDGE LINE PAVEMENT MARKING SHOULD BE REMOVED IF A 10 FOOT LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHOULD BE INSTALLED WHEN THE EDGE LINES ARE REMOVED.

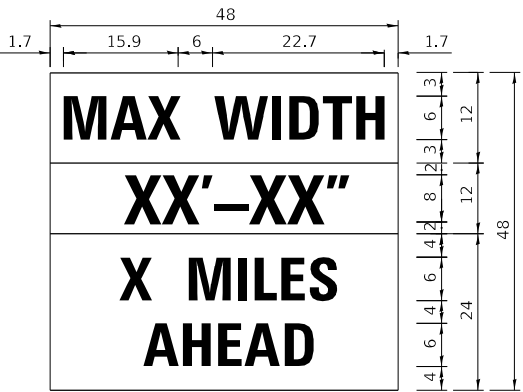
6. THE STAGE II CONSTRUCTION SHALL INCLUDE COMPLETION OF THE EARTHWORK, BASE COURSE WIDENING, PCC PAVEMENT, HMA SHOULDERS, GUARDRAIL AND TRAFFIC BARRIER TERMINALS AS REFERENCED ON THIS SHEET AND DESCRIBED IN DETAIL ON THE PLAN AND PROFILE SHEETS. PLACEMENT OF THE BASE COURSE MAY REQUIRE RELOCATION OF THE TEMPORARY CONCRETE BARRIERS AND THE IMPACT ATTENUATORS DURING THE DAYTIME HOURS. THE COST ASSOCIATED WITH THE STAGING, INCLUDING ANY RELOCATION OF THE TEMPORARY CONCRETE BARRIERS AND IMPACT ATTENUATORS, WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE VARIOUS PAY ITEMS INCLUDED IN THE PLANS.



- LEGEND**
- DIRECTION OF TRAFFIC
  - TYPE III BARRICADE WITH FLASHING LIGHTS
  - DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
  - TRAFFIC SIGNAL WITH BACKPLATE, SIGNAL DIRECTION INDICATED
  - TEMPORARY RAMP
  - HMA SHOULDERS, 8"
  - BASE COURSE WIDENING 10"
  - PCC PAVEMENT 10"
  - 3" HMA OVER AGG BASE COURSE, TYPE B 8"

**STAGE II SCHEDULE OF QUANTITIES**

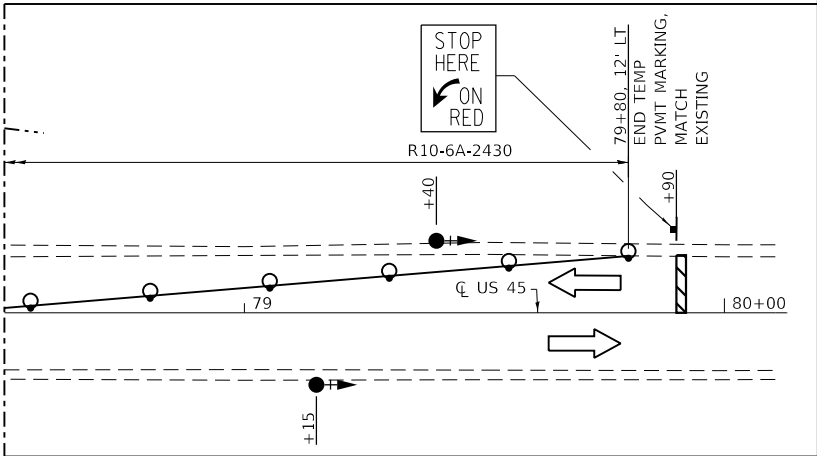
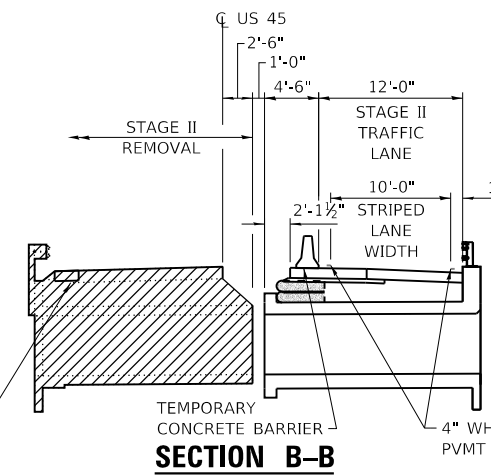
TEMPORARY CONCRETE BARRIER				
STATION, O/S	TO	STATION, O/S	FEET	
74+30.0, 4.5' LT		75+80.0, 8.0' RT	150.0'	
75+80.0, 8.0' RT		76+80.0, 8.0' RT	100.0'	
76+80.0, 8.0' RT		78+30.0, 4.5' LT	150.0'	
			400.0'	
RELOCATE TEMPORARY CONCRETE BARRIER			175.0'	
STAGE II TOTAL			225.0'	
PINNING TEMPORARY CONCRETE BARRIER				
STATION	TO	STATION	TYPE	EACH
75+80.0		76+05.0	TRANSITION	3
76+55.0		76+80.0	TRANSITION	3
STAGE II TOTAL				6
IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3				- 1 EACH
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3				- 1 EACH



**W12-1103**  
 W12-1103 (Width is 8D);  
 No border, Black on White;  
 "MAX WIDTH" D;  
 No border, Black on Orange;  
 "XX'-XX" D;  
 No border, Black on White;  
 "X MILES" D; "AHEAD" D

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

**STAGE II PLAN**



**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION  
 PLAN AND DETAILS**

SCALE: 1"=20' SHEET NO. 3 OF 3 SHEETS STA. 72+26 TO STA. 80+10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	23
CONTRACT NO. 78501				








ILLINOIS FED. AID PROJECT

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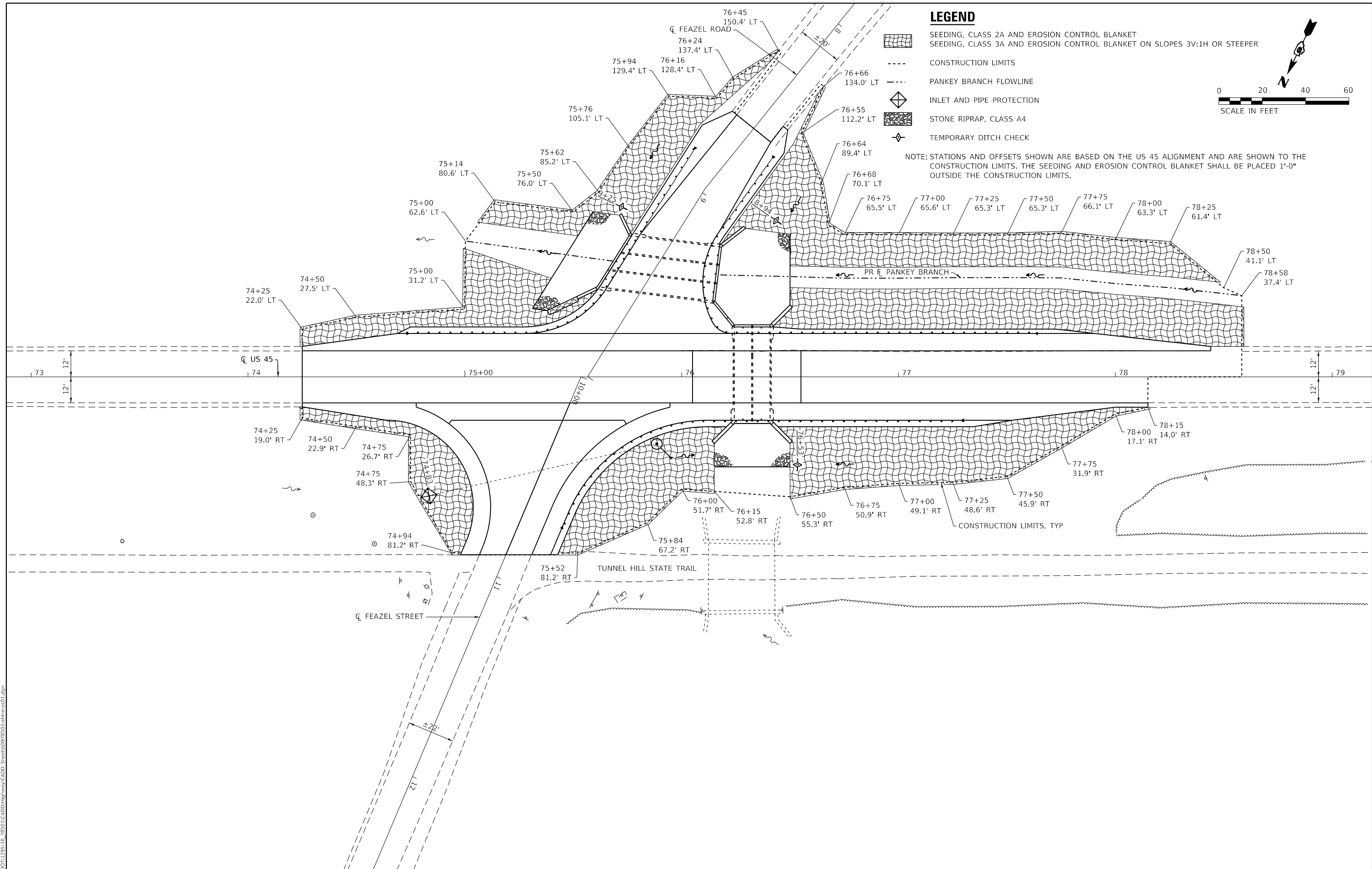


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PLOT DATE = 10/9/2020	DATE - 09/20	REVISED -

**LEGEND**

-  SEEDING, CLASS 2A AND EROSION CONTROL BLANKET
-  SEEDING, CLASS 3A AND EROSION CONTROL BLANKET ON SLOPES 3V:1H OR STEEPER
-  CONSTRUCTION LIMITS
-  PANKEY BRANCH FLOWLINE
-  INLET AND PIPE PROTECTION
-  STONE RIPRAP, CLASS A4
-  TEMPORARY DITCH CHECK

NOTE: STATIONS AND OFFSETS SHOWN ARE BASED ON THE US 45 ALIGNMENT AND ARE SHOWN TO THE CONSTRUCTION LIMITS. THE SEEDING AND EROSION CONTROL BLANKET SHALL BE PLACED 1'-0" OUTSIDE THE CONSTRUCTION LIMITS.



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PLOT DATE = 10/9/2020	DATE - 09/20	REVISED -

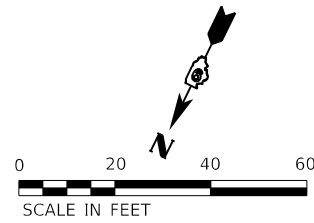
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 72+87 TO STA. 79+17

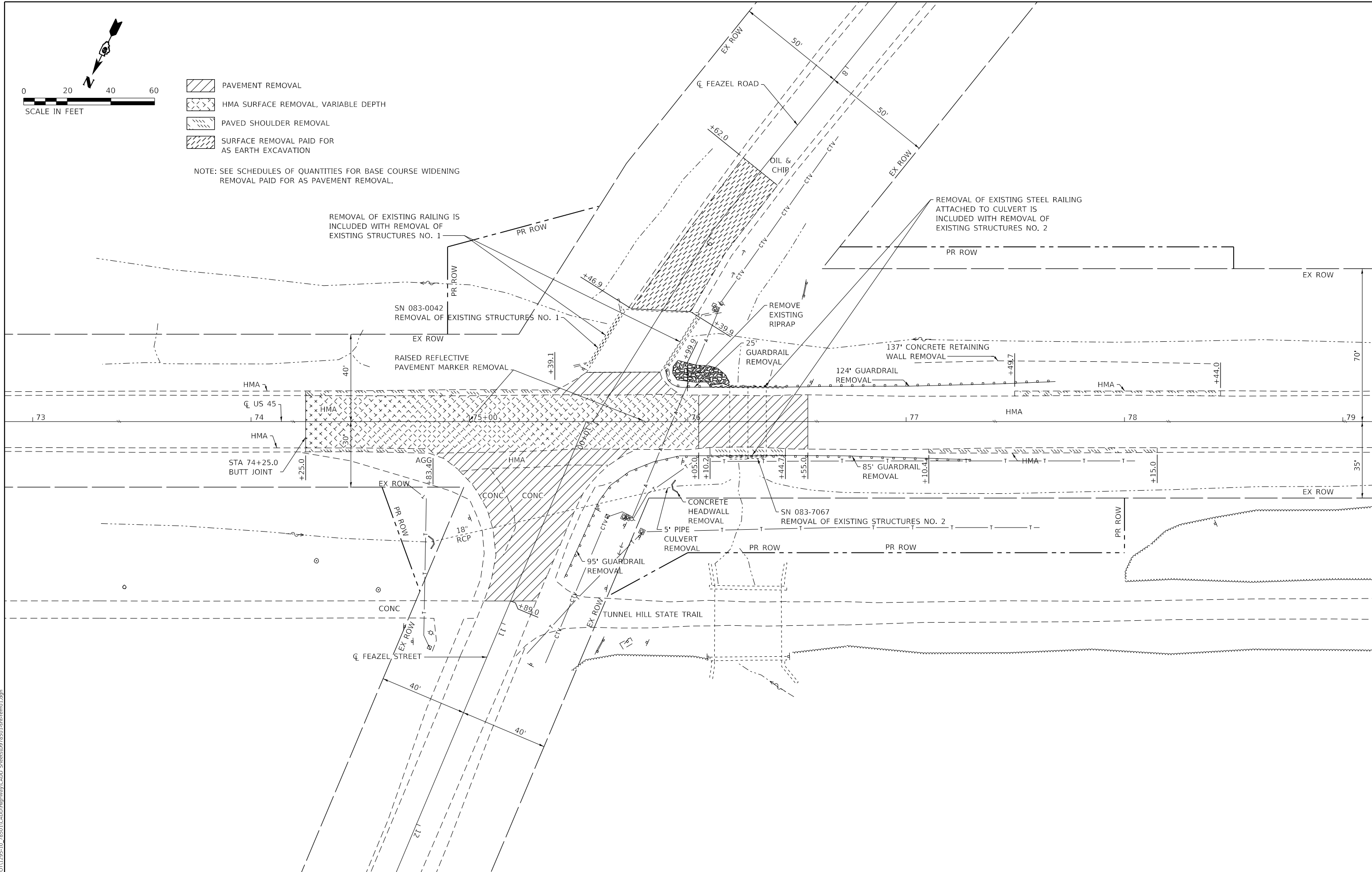
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	24
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				





- PAVEMENT REMOVAL
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- PAVED SHOULDER REMOVAL
- SURFACE REMOVAL PAID FOR AS EARTH EXCAVATION

NOTE: SEE SCHEDULES OF QUANTITIES FOR BASE COURSE WIDENING  
REMOVAL PAID FOR AS PAVEMENT REMOVAL.



MODEL: PLOT  
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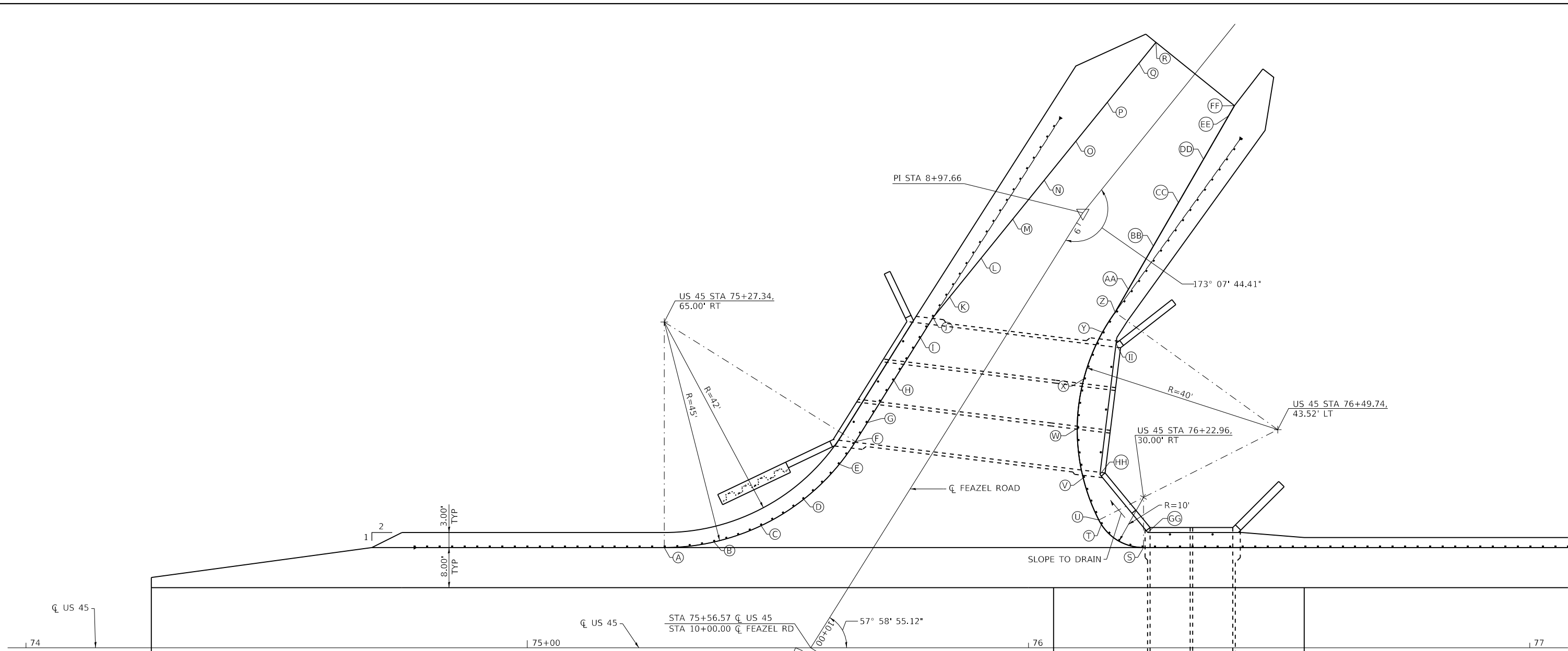
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PLOT DATE = 10/9/2020	DATE - 09/20	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN**

SCALE: 1"=20'    SHEET NO. 1 OF 1    SHEETS    STA. 72+87    TO STA. 79+17

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	25
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

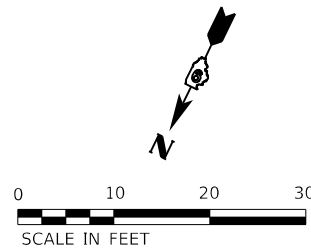


SOUTHEAST QUADRANT

	STATION FEAZEL RD	OFFSET FEAZEL RD	EOP ELEVATION
A	STA 9+98.54	35.39' RT	374.48
B	STA 9+92.35	27.57' RT	374.44
C	STA 9+84.58	21.30' RT	374.24
D	STA 9+75.62	16.90' RT	374.04
E	STA 9+65.91	14.59' RT	373.84
F	STA 9+60.39	14.25' RT	373.73
G	STA 9+55.93	14.25' RT	373.65
H	STA 9+45.93	14.25' RT	373.49
I	STA 9+35.93	14.25' RT	373.32
J	STA 9+31.20	14.25' RT	373.24
K	STA 9+25.97	13.61' RT	373.16
L	STA 9+16.04	12.40' RT	373.02
M	STA 9+06.12	11.18' RT	372.87
N	STA 8+97.39	10.07' RT	372.70
O	STA 8+87.39	10.06' RT	372.52
P	STA 8+77.39	10.04' RT	372.35
Q	STA 8+67.39	10.02' RT	372.17
R	STA 8+62.00	10.01' RT	372.08

SOUTHWEST QUADRANT

	STATION FEAZEL RD	OFFSET FEAZEL RD	EOP ELEVATION
S	STA 9+47.85	45.68' LT	374.45
T	STA 9+48.41	36.11' LT	374.03
U	STA 9+47.93	35.21' LT	373.99
V	STA 9+42.46	28.11' LT	373.61
W	STA 9+34.69	21.86' LT	373.19
X	STA 9+25.62	17.73' LT	373.10
Y	STA 9+15.80	15.97' LT	372.96
Z	STA 9+11.06	16.00' LT	372.94
AA	STA 9+05.80	15.81' LT	372.80
BB	STA 8+93.97	15.13' LT	372.62
CC	STA 8+84.09	13.58' LT	372.44
DD	STA 8+74.21	12.04' LT	372.26
EE	STA 8+64.33	10.50' LT	372.08
FF	STA 8+62.00	10.13' LT	372.04
GG	STA 9+44.87	44.79' LT	374.33
HH	STA 9+40.11	30.57' LT	373.47
II	STA 9+16.21	19.43' LT	372.85



**NOTES**

1. STATIONS, OFFSETS AND ELEVATIONS ARE AT 10' INTERVALS AND AT KEY POINTS ALONG THE EDGE OF HMA SURFACE COURSE.

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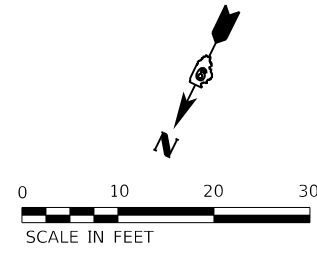
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PLOT DATE = 10/9/2020	DATE - 07/20	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS - FEAZEL ROAD**

SCALE: 1"=10' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	26
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

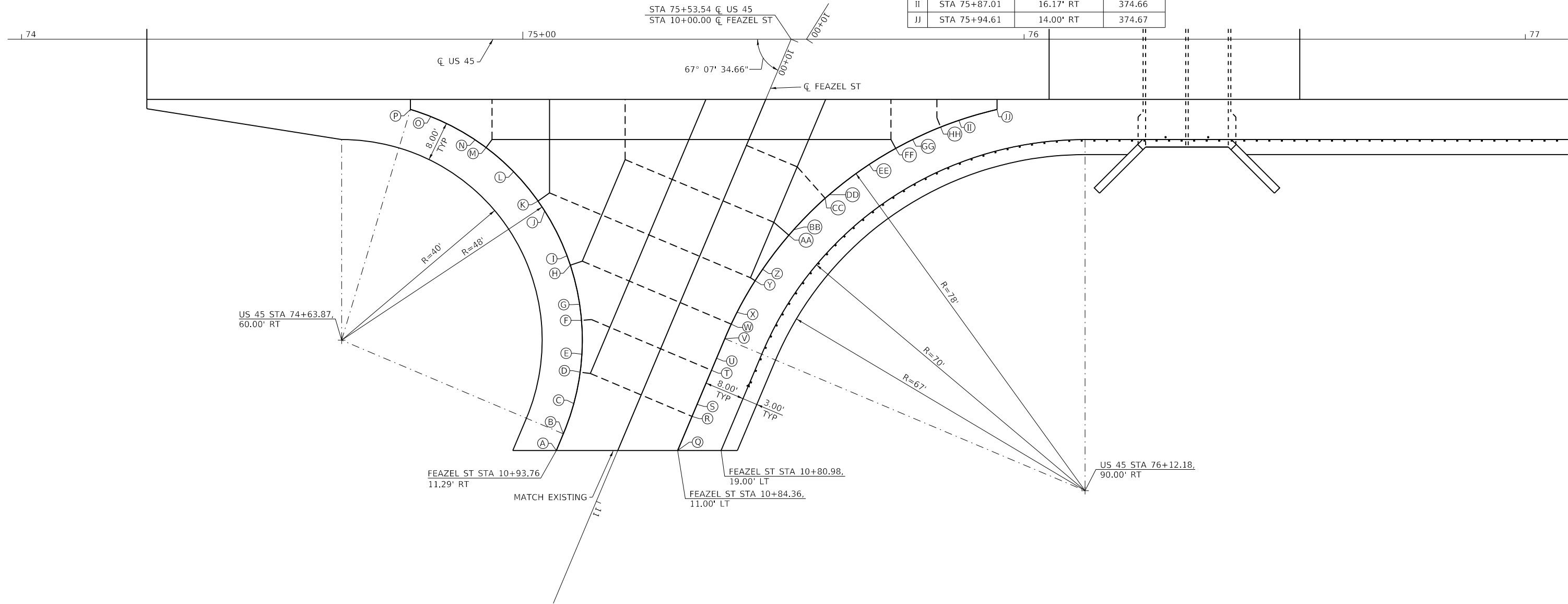


**NOTES**

1. STATIONS, OFFSETS AND ELEVATIONS ARE AT 10' INTERVALS AND AT KEY POINTS ALONG THE EDGE OF PAVEMENT.

NORTHEAST QUADRANT			
	STATION FEAZEL ST	OFFSET FEAZEL ST	EOP ELEVATION
A	STA 10+93.76	11.29' RT	378.38
B	STA 10+90.14	11.29' RT	378.18
C	STA 10+83.78	11.72' RT	377.83
D	STA 10+77.51	12.98' RT	377.49
E	STA 10+74.08	14.06' RT	377.26
F	STA 10+67.90	16.76' RT	376.85
G	STA 10+65.07	18.36' RT	376.64
H	STA 10+58.62	23.09' RT	376.15
I	STA 10+57.15	24.43' RT	376.01
J	STA 10+50.65	32.00' RT	375.38
	STATION US 45	OFFSET US 45	EOP ELEVATION
K	STA 75+03.04	32.26' RT	375.26
L	STA 74+98.16	26.41' RT	374.82
M	STA 74+92.67	21.60' RT	374.33
N	STA 74+90.47	20.04' RT	374.37
O	STA 74+81.63	15.41' RT	374.51
P	STA 74+71.58	14.00' RT	374.67

NORTHWEST QUADRANT			
	STATION FEAZEL ST	OFFSET FEAZEL ST	EOP ELEVATION
Q	STA 10+84.36	11.00' LT	378.15
R	STA 10+76.97	11.00' LT	377.57
S	STA 10+74.36	11.00' LT	377.41
T	STA 10+66.97	11.00' LT	376.96
U	STA 10+64.36	11.00' LT	376.81
V	STA 10+60.13	11.00' LT	376.57
W	STA 10+56.97	11.06' LT	376.39
X	STA 10+54.36	11.21' LT	376.24
Y	STA 10+47.15	12.09' LT	375.82
Z	STA 10+44.47	12.59' LT	375.69
	STATION US 45	OFFSET US 45	EOP ELEVATION
AA	STA 10+36.19	14.77' LT	375.28
BB	STA 10+34.83	15.22' LT	375.21
CC	STA 10+26.58	18.58' LT	374.78
DD	STA 10+25.60	19.06' LT	374.77
EE	STA 10+16.94	24.05' LT	374.69
FF	STA 75+74.40	21.75' RT	374.64
GG	STA 75+77.78	19.99' RT	374.64
HH	STA 75+83.36	17.52' RT	374.65
II	STA 75+87.01	16.17' RT	374.66
JJ	STA 75+94.61	14.00' RT	374.67



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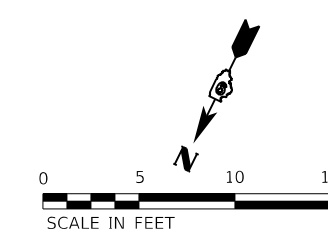
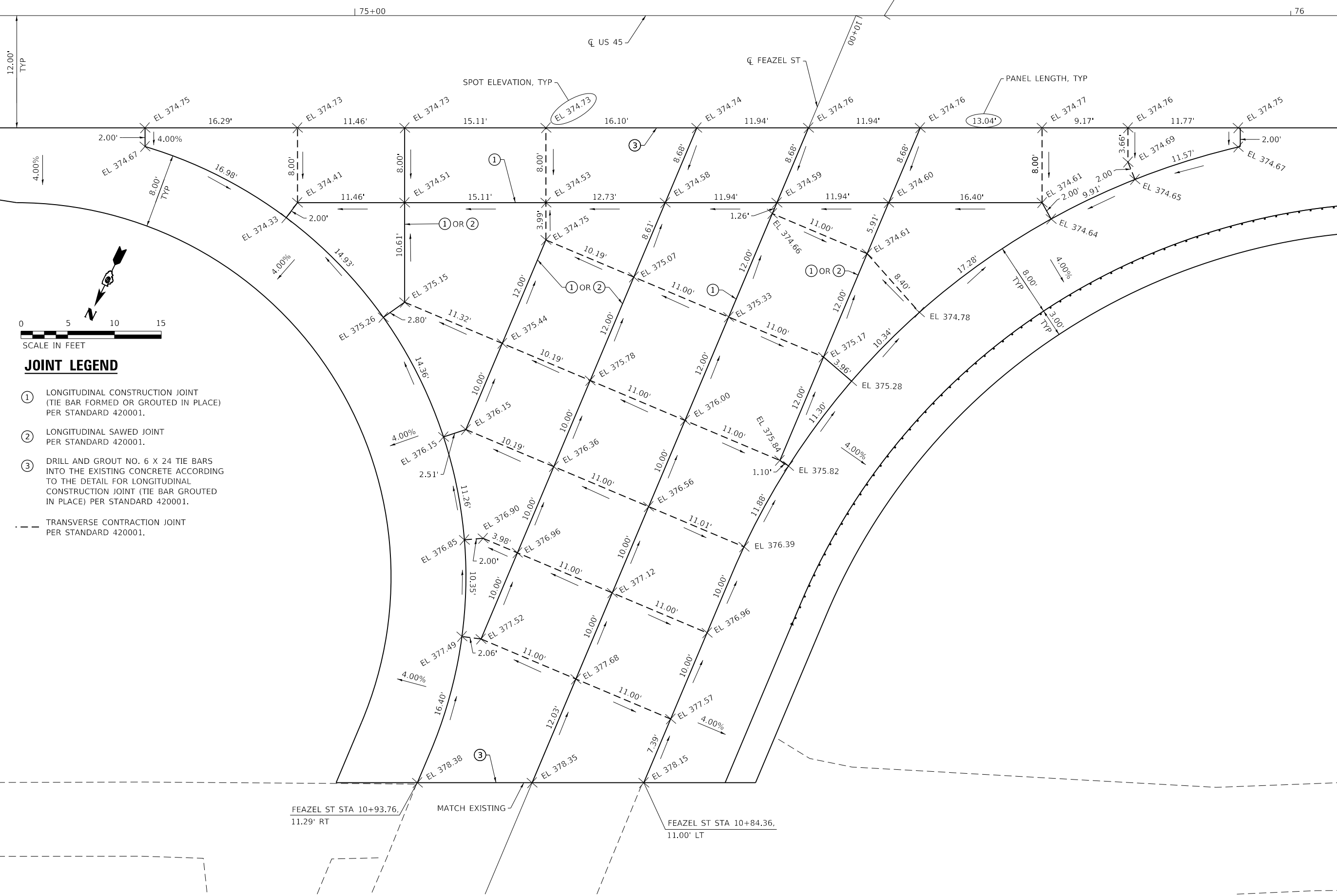
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CHECKED -	ELH
DATE -	09/20

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INTERSECTION DETAILS - FEAZEL STREET</b>	
SCALE: 1"=10'	SHEET NO. 1 OF 2 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	27
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



**JOINT LEGEND**

- ① LONGITUDINAL CONSTRUCTION JOINT (TIE BAR FORMED OR GROUDED IN PLACE) PER STANDARD 420001.
- ② LONGITUDINAL SAWED JOINT PER STANDARD 420001.
- ③ DRILL AND GROUT NO. 6 X 24 TIE BARS INTO THE EXISTING CONCRETE ACCORDING TO THE DETAIL FOR LONGITUDINAL CONSTRUCTION JOINT (TIE BAR GROUDED IN PLACE) PER STANDARD 420001.
- - - TRANSVERSE CONTRACTION JOINT PER STANDARD 420001.

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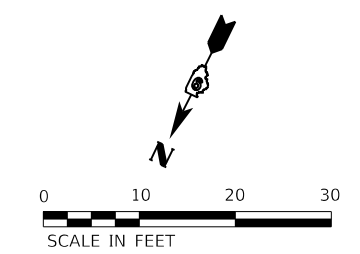
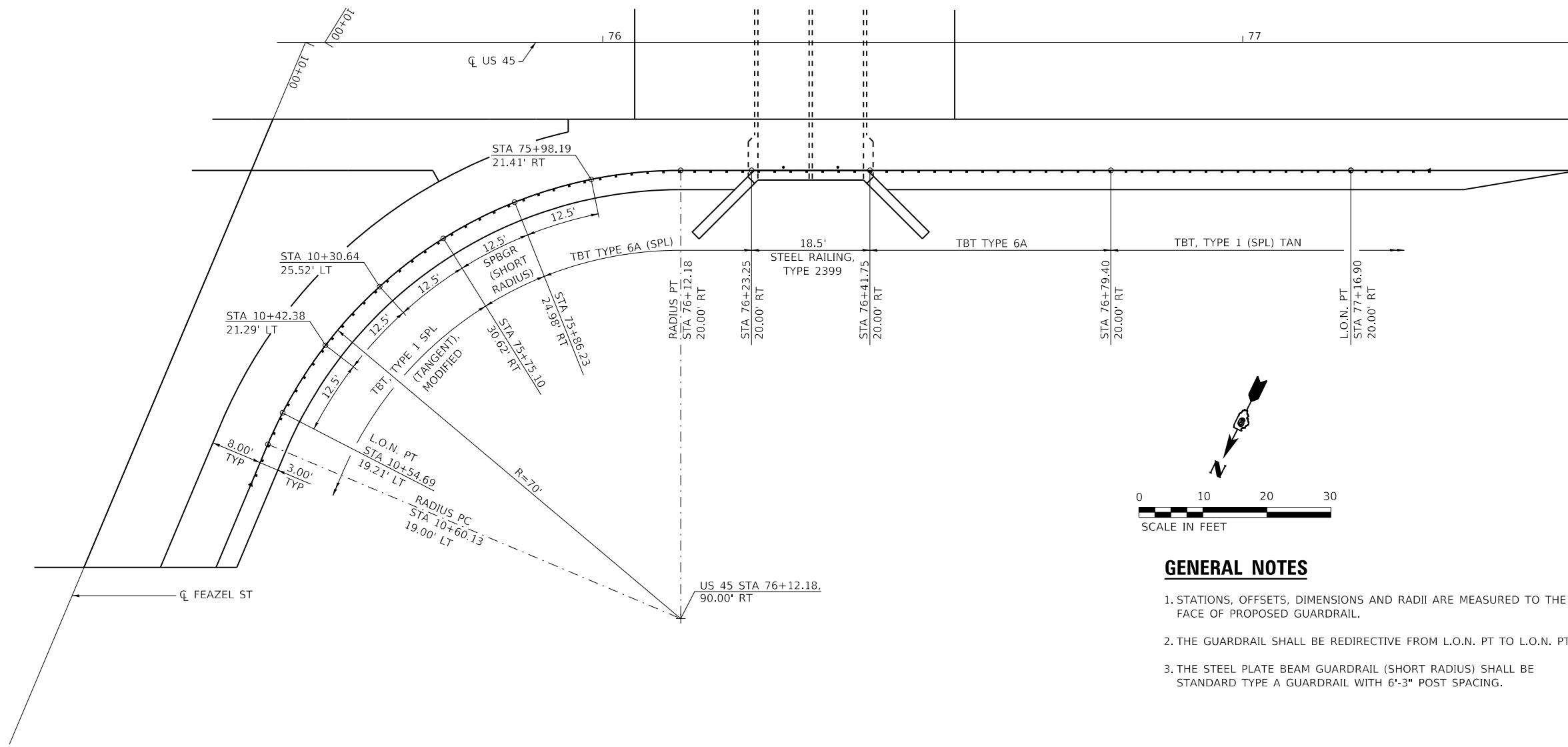
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS - FEAZEL STREET**

SCALE: 1"=5' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	28
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



**GENERAL NOTES**

1. STATIONS, OFFSETS, DIMENSIONS AND RADII ARE MEASURED TO THE FACE OF PROPOSED GUARDRAIL.
2. THE GUARDRAIL SHALL BE REDIRECTIVE FROM L.O.N. PT TO L.O.N. PT.
3. THE STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS) SHALL BE STANDARD TYPE A GUARDRAIL WITH 6'-3" POST SPACING.

MODEL\_PLOT  
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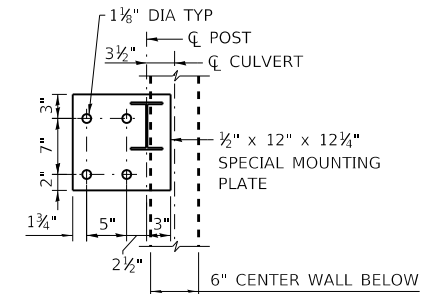
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PLOT DATE = 10/9/2020	DATE - 09/20	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL DETAILS**

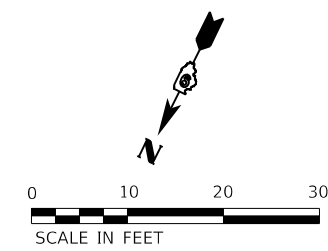
SCALE: 1"=10'      SHEET NO. 1 OF 2 SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	29
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



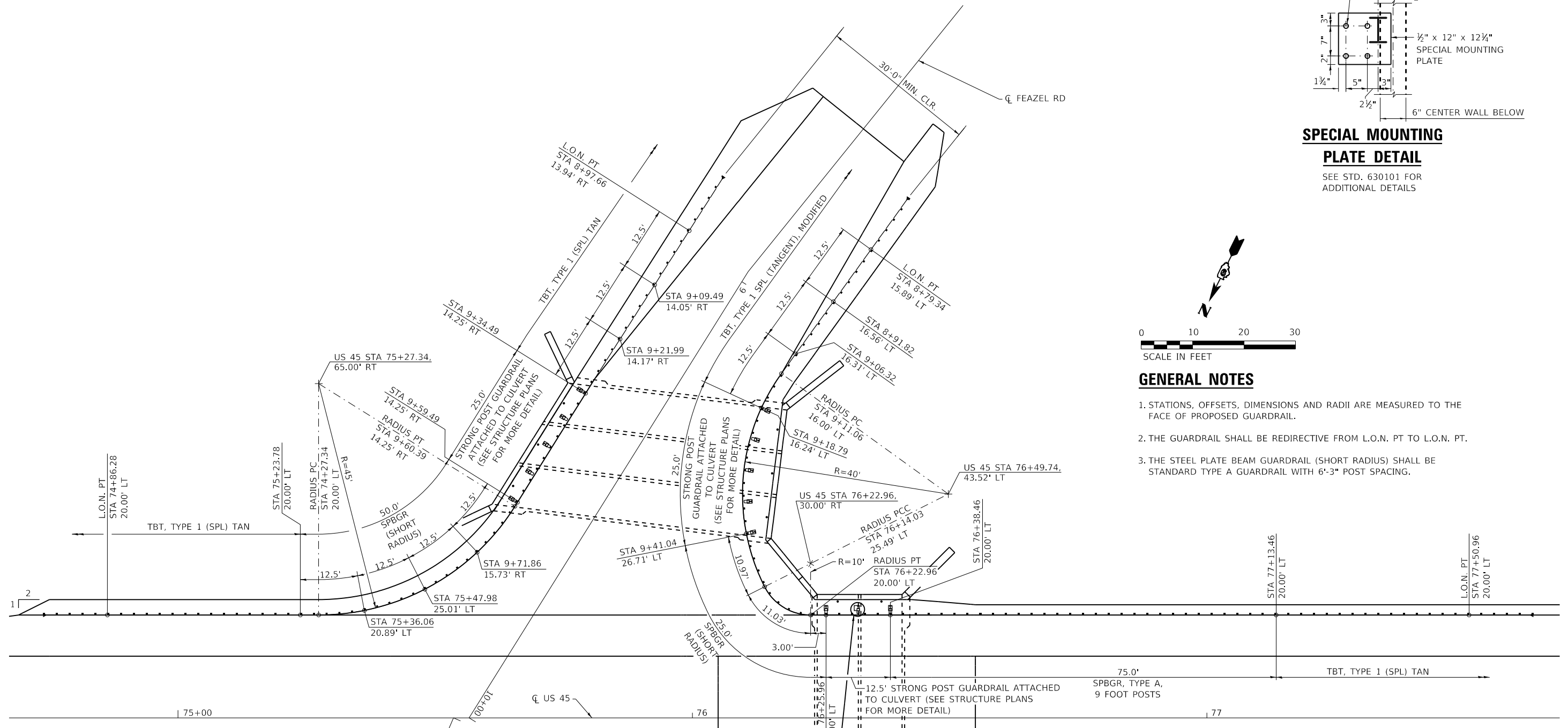
**SPECIAL MOUNTING PLATE DETAIL**

SEE STD. 630101 FOR ADDITIONAL DETAILS



**GENERAL NOTES**

1. STATIONS, OFFSETS, DIMENSIONS AND RADII ARE MEASURED TO THE FACE OF PROPOSED GUARDRAIL.
2. THE GUARDRAIL SHALL BE REDIRECTIVE FROM L.O.N. PT TO L.O.N. PT.
3. THE STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS) SHALL BE STANDARD TYPE A GUARDRAIL WITH 6'-3" POST SPACING.



MODEL: PLOT FILE: NAME: Y:\DOT1\295-10\_78501\CADD\Highway\CADD\_Sheets\0978501-esht-intersec05.dgn



USER NAME = skm  
 ESCA PROJECT NO. 1295.10  
 PLOT SCALE = 0.1667' / in.  
 PLOT DATE = 10/9/2020

DESIGNED - SKM  
 DRAWN - SKM  
 CHECKED - ELH  
 DATE - 09/20

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL DETAILS**

SCALE: 1"=10' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	30
CONTRACT NO. 78501				
		ILLINOIS	FED. AID PROJECT	

NW CORNER NE QUARTER NW QUARTER SECTION 28  
 77+73.99  
 697.99 RT

SECTION LINE

NE CORNER NE QUARTER NW QUARTER SECTION 28

POINT#	STATION	NORTHING	EASTING
U.S. 45 (FAP 881)			
P.O.T.	65+76.73	382265.14	921673.55
P.O.T.	87+60.47	381304.75	919712.34

POINT#	STATION	NORTHING	EASTING
FEAZEL ROAD			
P.O.T.	10+00.00	381835.55	920796.28
P.O.T.	13+87.94	382222.87	920774.51

POINT#	STATION	NORTHING	EASTING
COUNTY ROAD			
P.O.T.	5+79.05	381421.72	920712.41
P.O.T.	8+97.66	381732.41	920782.99
P.O.T.	10+00.00	381834.21	920793.56

PARCEL #	PROPERTY OWNER	PURPOSE	ACREAGE
325	CITY OF HARRISBURG	R.O.W.	0.058 AC±
326	LEONARD E. & NORMA G. BUTLER	R.O.W.	0.042 AC±
332	I.D.N.R.	R.O.W.	0.155 AC±

65+96.28  
30.00 RT

166  
P.O.T. STA. 65+76.73

66+31.08  
40.00 LT

QUARTER QUARTER SECTION LINE

QUARTER SECTION LINE

PARCEL 332

PARCEL 332

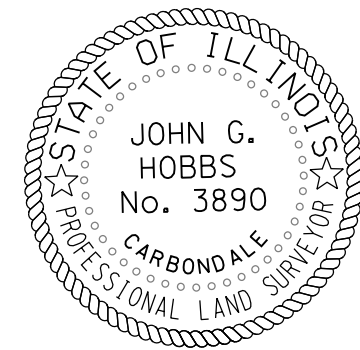
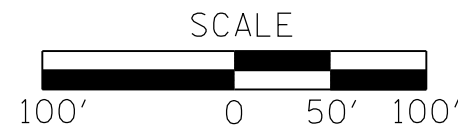
PARCEL 325

PARCEL 326

FEAZEL ROAD  
POT STA 13+87.94

POT STA 10+00.00 POT STA 10+00.00

PI STA 8+97.66



JOHN G. HOBBS  
ILLINOIS PROFESSIONAL LAND SURVEYOR

Current license expires 11/2020.

This professional service conforms to the current Illinois minimum standards for a boundary survey.

MODEL\_PLOT  
FILE NAME: Y:\DOT11295-10\_78501\CADD\Highway\CADD\_Sheets\0978501-sh-rd-ROW01.dgn

USER NAME = skm	DESIGNED -	REVISED -
ESCA PROJECT NO. 1295.10	DRAWN -	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED -	REVISED -
PLOT DATE = 10/9/2020	DATE - 10/20	REVISED -

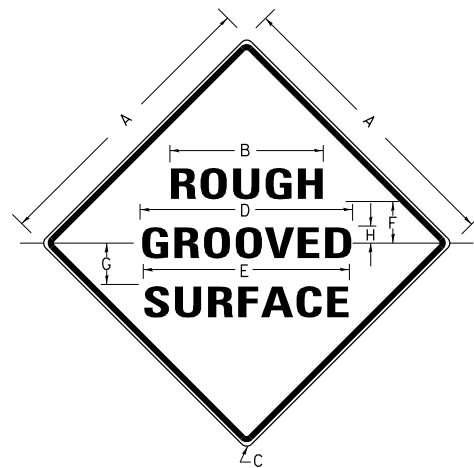
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY PLAN

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	31
CONTRACT NO. 78501				
R-99-006-16 ILLINOIS FED. AID PROJECT				

## ILLINOIS STANDARD



### COLORS:

LEGEND AND BORDER- BLACK NON-REFLECTORIZED  
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48x48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
48x48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

### NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

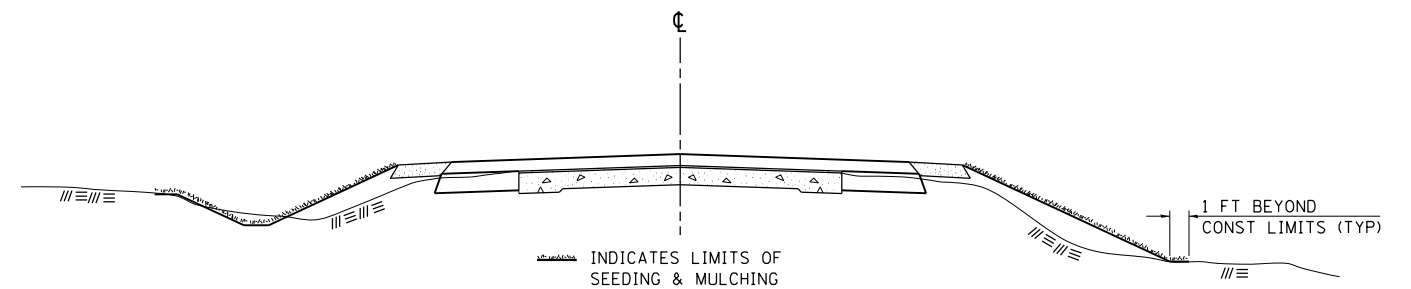
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

### REVISIONS

REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVIEWED	5-17-13

STD. 9-39

## SEEDING & MULCHING



### GENERAL NOTES

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

FERTILIZER NUTRIENTS AND LIMESTONE SHALL BE APPLIED TO ALL SEEDED AREAS.

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

### REVISIONS

REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08

STD. 9-12

MODEL: PLOT  
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ESCA PROJECT NO. 1295.10	DRAWN - SKM	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 10/9/2020	DATE - 09/20	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUGH GROOVED SURFACE SIGN  
& SEEDING AND MULCHING DETAILS

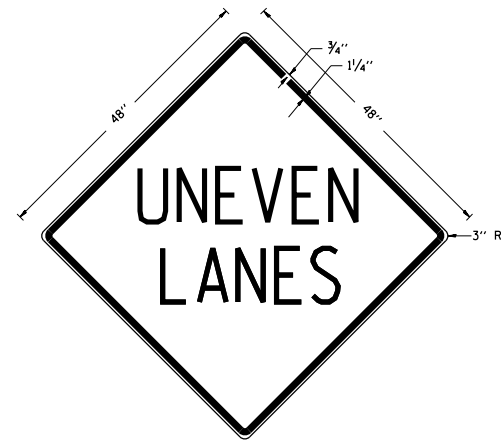
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	32
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



## UNEVEN LANES SIGN

W8-11 (48" x 48")



### COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED  
BACKGROUND - ORANGE REFLECTORIZED

**NOTE:** PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

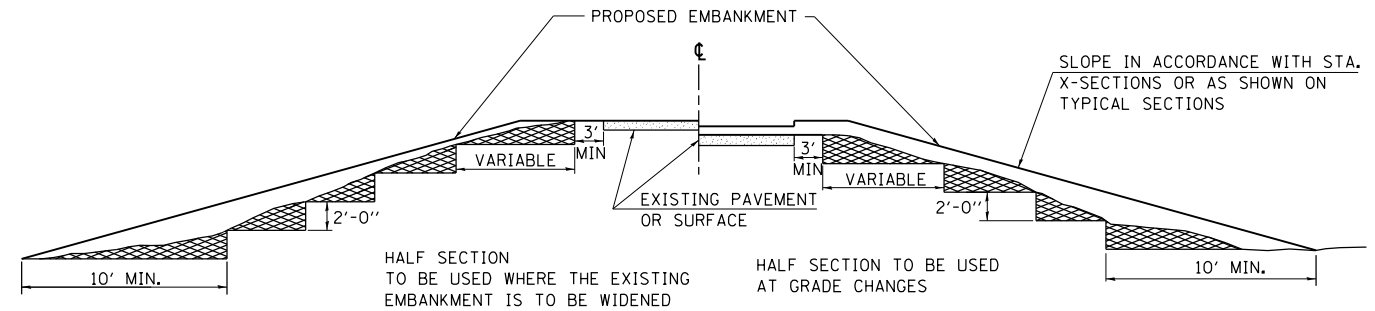
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.


### REVISIONS

DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	7-23-04
RESIZED	5-08-08
REVIEWED	5-17-13

STD. 9-41

## TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



 MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATION. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

### REVISIONS

REDRAWN	2-15-89
REVISED	8-15-94
CHECKED	6-3-99
RESIZED	5-7-08

STD. 9-16

MODEL\_PLOT  
FILE NAME: Y:\PROJECTS\1295-10\_78501\CADD\Highway\CADD\_Sheets\DWG\78501-std-detail04.dgn



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ESCA PROJECT NO. 1295.10	DRAWN - SKM	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 10/9/2020	DATE - 09/20	REVISED -

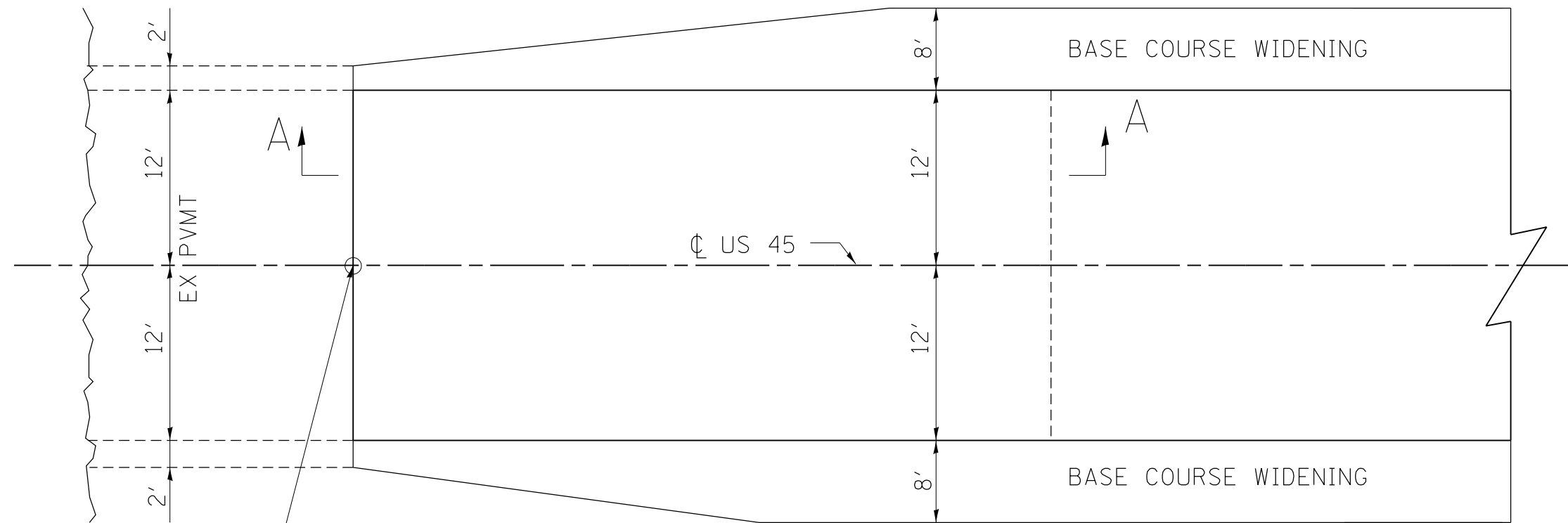
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

UNEVEN LANES SIGN  
& STEP CONSTRUCTION ON EXISTING FILL DETAILS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

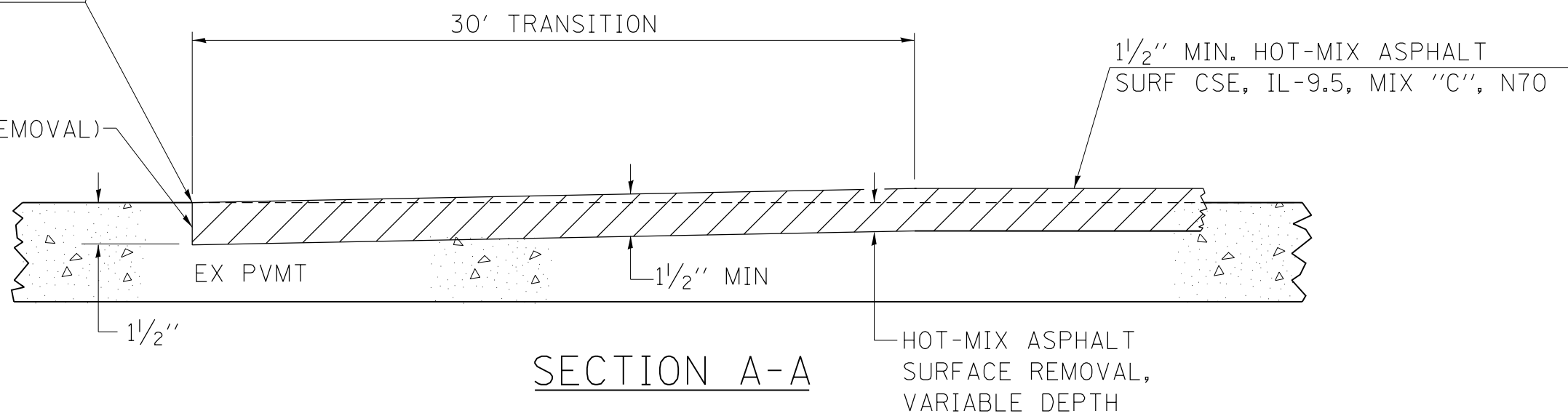
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	33
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

# BUTT JOINT



STA 74+25

SAWCUT (INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL)



## SECTION A-A

MODEL PLOT FILE NAME: Y:\DOT\1295-10\_78501\CADD\Highway\CADD\_Sheets\0978501-34-the-detail06.dgn



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ESCA PROJECT NO. 1295.10
PLOT SCALE = 0.1667' / in.
PLOT DATE = 10/9/2020

DESIGNED - SKM
DRAWN - SKM
CHECKED - ELH
DATE - 06/20

REVISED -
REVISED -
REVISED -
REVISED -

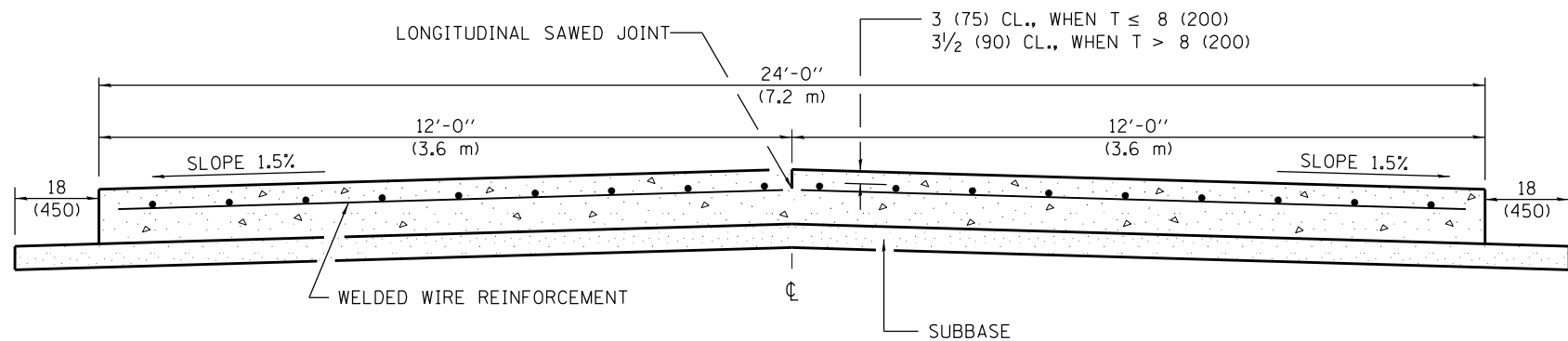
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

### BUTT JOINT DETAILS

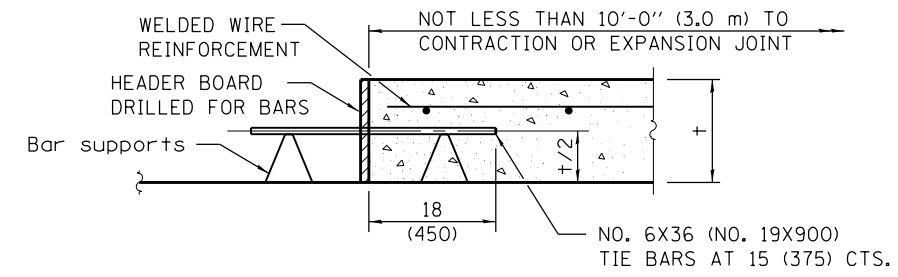
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	34
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

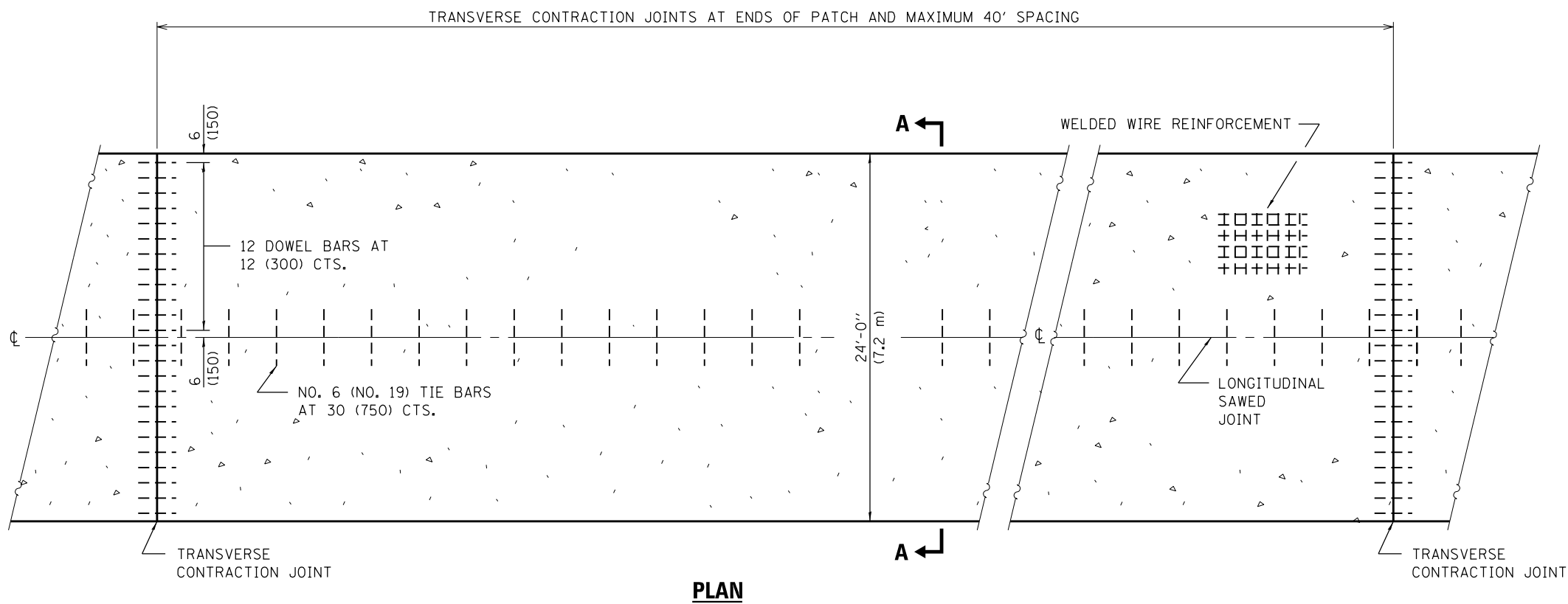
# 24' (7.2 m) PCC PAVEMENT OVER BOX CULVERT



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



**TRANSVERSE CONSTRUCTION JOINT**  
(IF NEEDED PER STANDARD SPECIFICATIONS)



**PLAN**

**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.

REVISIONS	
DRAWN	11-9-17
REVISED	7-23-18

STD. 9-25

MODEL: PLOT  
FILE NAME: Y:\PROJECTS\1295-10\_78501\CADD\Highways\CADD\_Sheets\0978501-24-ft-detail.dgn



USER NAME = skm	DESIGNED - SKM	REVISED -
ESCA PROJECT NO. 1295.10	DRAWN - SKM	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 10/9/2020	DATE - 06/20	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

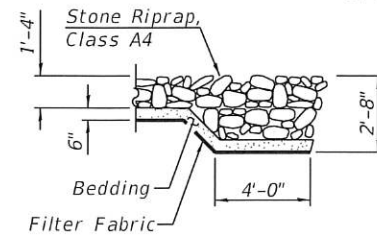
<b>24' PCC PAVEMENT OVER BOX CULVERT</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	35
ILLINOIS FED. AID PROJECT				

BENCHMARK: BM 083-9510 - Aluminum disk stamped "083-9510 1994" located in the Harrisburg IDOT Operations Yard, ±40' north of a witness post set in a chainlink fence. Elev. 379.30.

EXISTING STRUCTURE:  
SN 083-7067 was originally built in 1921 as Route 1, Section 32-A. It is a double barrel 8' span x 5' rise concrete box culvert that is 31'-4" long. The structure has parallel wingwalls. There is no skew. In 2013 the north headwall was stabilized using steel piles. Traffic will be maintained using stage construction.

No salvage.



SECTION A-A

\*Limits of riprap quantity included with SN 083-7102, remainder included with SN 083-2018



EXPIRES 11-30-20  
*Michael T. Dooley*  
SIGNATURE

10-12-20  
DATE



US 45 PROFILE GRADE  
(Along centerline roadway)

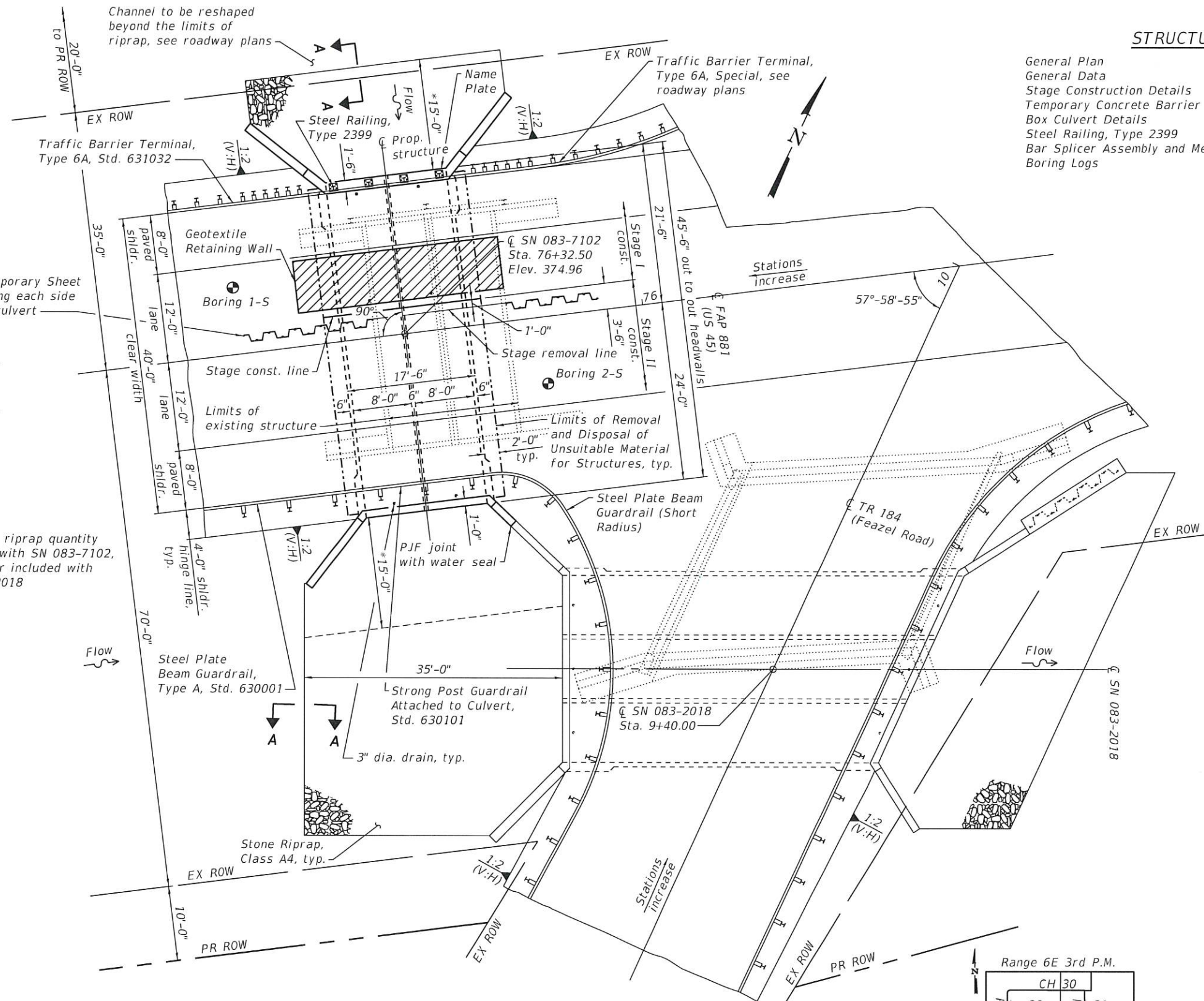
APPROVED  
For Structural Adequacy Only  
*Dr. Carl Kump*  
Engineer of Bridges & Structures

PLAN

Note:  
SN 083-2018 is shown for informational purposes only, see SN 083-2018 plans for details.

STRUCTURE INDEX OF SHEETS

General Plan	Sheet No. 1 of 12
General Data	Sheet No. 2 of 12
Stage Construction Details	Sheet No. 3-4 of 12
Temporary Concrete Barrier for Stage Construction	Sheet No. 5 of 12
Box Culvert Details	Sheet No. 6-9 of 12
Steel Railing, Type 2399	Sheet No. 10 of 12
Bar Splicer Assembly and Mechanical Splicer Details	Sheet No. 11 of 12
Boring Logs	Sheet No. 12 of 12



DESIGN SPECIFICATIONS

2017 AASHTO LRFD  
Bridge Design Specifications  
8th Edition

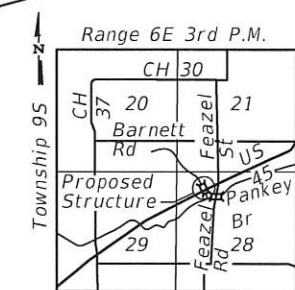
LOADING HL-93

Allow 50 psf for future wearing surface

DESIGN STRESSES

FIELD UNITS

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



LOCATION SKETCH

GENERAL PLAN  
US 45 OVER UNNAMED STREAM  
FAP ROUTE 881 - SECTION 32B-2  
SALINE COUNTY  
STATION 76+32.50 US 45  
STRUCTURE NO. 083-7102

MODEL: PLOT  
FILE NAME: Y:\IDOT\1295-10\_7850\1\CADD\SP SN 083-7102\0837102-78501-01-GenPlan.dgn



USER NAME = skm	DESIGNED - ELH 03/20	REVISED -
ESCA PROJECT NO. 1295-10	CHECKED - MTD 06/20	REVISED -
PLOT SCALE = 0.2" / in.	DRAWN - NHC 07/20	REVISED -
PLOT DATE = 10/9/2020	CHECKED - MTD 07/20	REVISED -

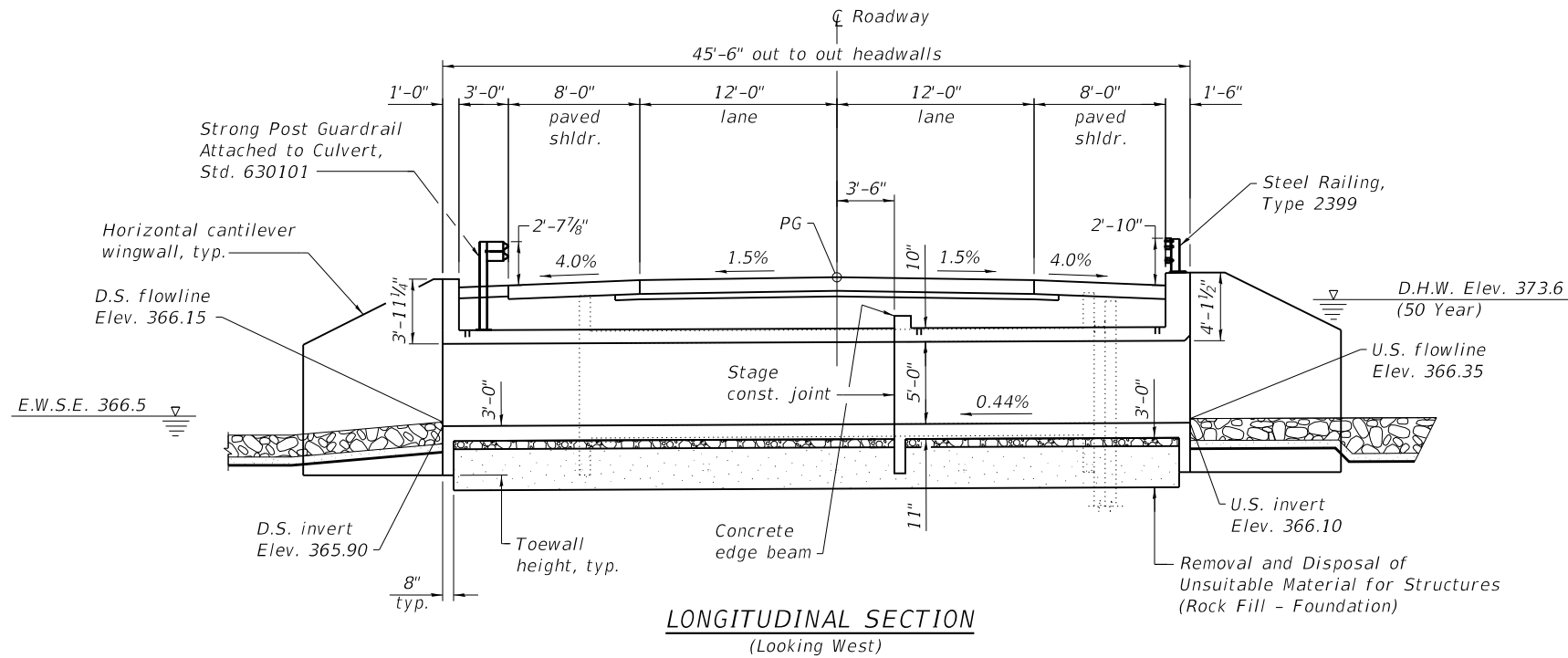
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	36
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

**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.
3. Precast alternate is not allowed.
4. Modify existing channel to match culvert at each end as directed by the Engineer, cost included in the pay item for Stone Riprap, Class A4.



**STATION 76+32.50**  
**BUILT 20\_\_ BY**  
**STATE OF ILLINOIS**  
**F.A.P. RT. 881 SEC. 32B-2**  
**LOADING HL-93**  
**STR. NO. 083-7102**

**NAME PLATE**  
 See Std. 515001

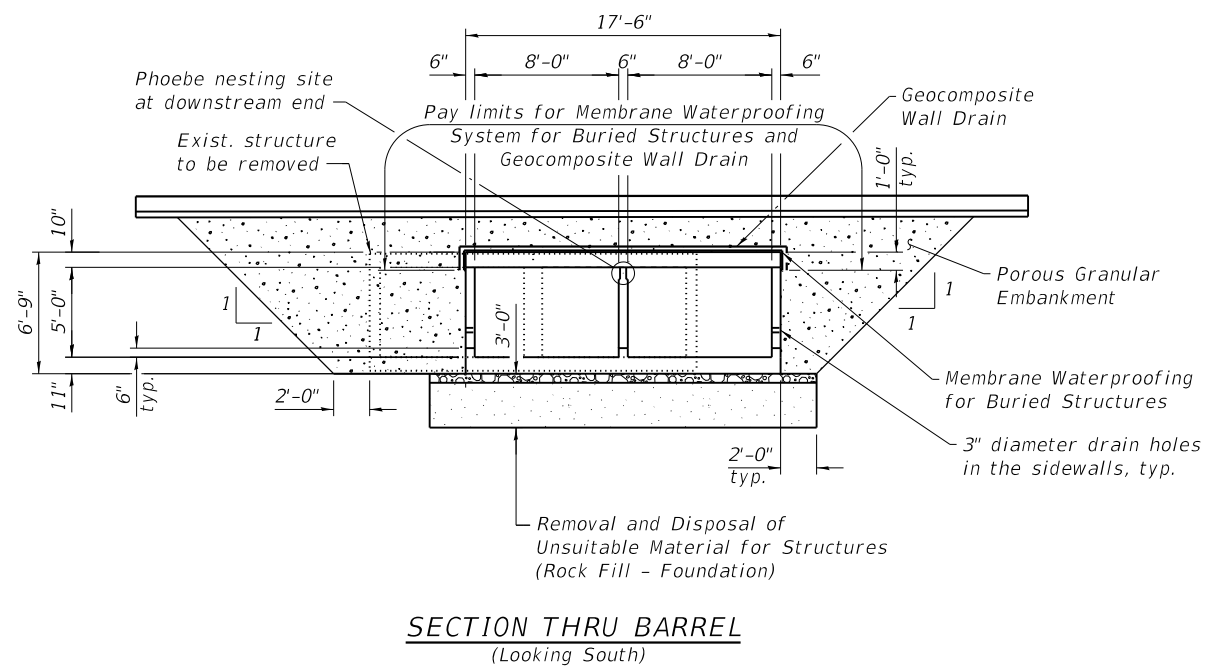
**Notes:**

The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.  
 Excavation for construction of the box culvert, including the excavation necessary to construct the granular backfill, is included in Earth Excavation, see roadway plans.  
 Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Porous Granular Embankment	Cu. Yd.	390
Stone Riprap, Class A4	Sq. Yd.	105
Filter Fabric	Sq. Yd.	105
Removal of Existing Structures No. 2	Each	1
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	106
Reinforcement Bars, Epoxy Coated	Pound	18,370
Bar Splicers	Each	90
Steel Railing, Type 2399	Foot	19
Name Plates	Each	1
Temporary Sheet Piling	Sq. Ft.	915
Geotextile Retaining Wall	Sq. Ft.	50
Concrete Box Culverts	Cu. Yd.	94.2
Geocomposite Wall Drain	Sq. Yd.	97
Membrane Waterproofing System for Buried Structures	Sq. Yd.	97
Rock Fill - Foundation	Ton	185

See roadway plans for quantities of Temporary Concrete Barrier, Earth Excavation, and Pavement Removal.



**SN 083-7102 WATERWAY INFORMATION**

Drainage Area = 0.1 Sq. Mi.      Exist. Overtopping Elev. 374.40 at Sta. 66+00  
 Prop. Overtopping Elev. 374.40 at Sta. 66+00

Flood	Freq. Yr.	Discharge (C.F.S.)	Waterway Opening (sq. ft.)		Natural H.W.E. (ft.)	Head (ft.)		Headwater Elev. (ft.)	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
10	149	74.4	74.4	76.0	373.1	0.1	0.1	373.2	373.2
Design	50	201	74.4	76.0	373.6	0.3	0.3	373.9	373.9
Base	100	306	74.4	76.0	373.7	0.4	0.4	374.1	374.1
Overtop Existing	170	349	74.4	-	373.9	0.5	-	374.4	-
Overtop Proposed	170	349	-	76.0	373.9	-	0.5	-	374.4
Max. Calc.	500	438	74.4	76.0	374.3	0.5	0.5	374.8	374.8

10 Year Velocity through Existing Structure = 2.0 ft/s  
 10 Year Velocity through Proposed Structure = 2.0 ft/s

MODEL: PLOT  
 FILE NAME: Y:\IDOT\1295-10\_78501\CADD\SP\_SN\_083-7102\0837102-78501-02-GenData.dgn



USER NAME = nhc	DESIGNED - ELH 03/20	REVISED -
ESCA PROJECT NO. 1295.10	CHECKED - MTD 06/20	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - NHC 07/20	REVISED -
PLOT DATE = 12/2/2020	CHECKED - MTD 07/20	REVISED -

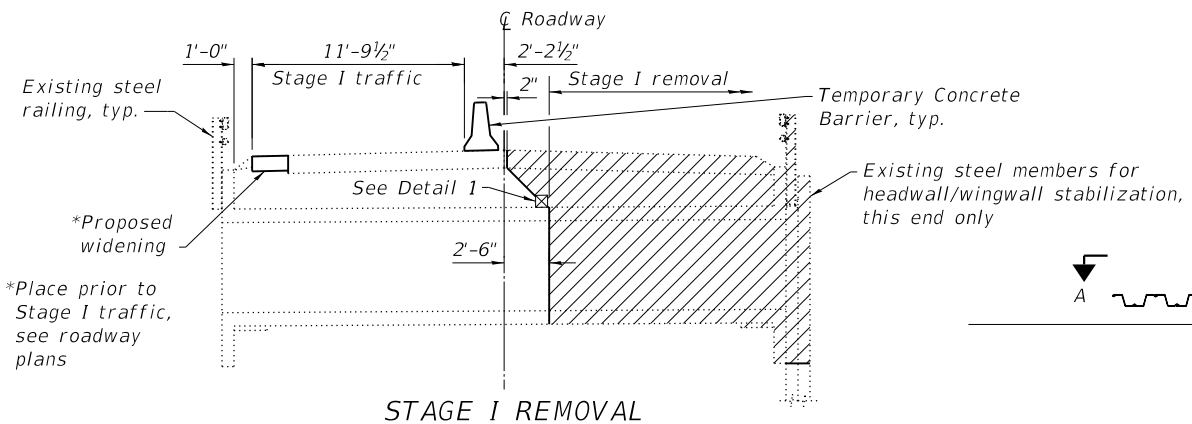
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA**  
**STRUCTURE NO. 083-7102**

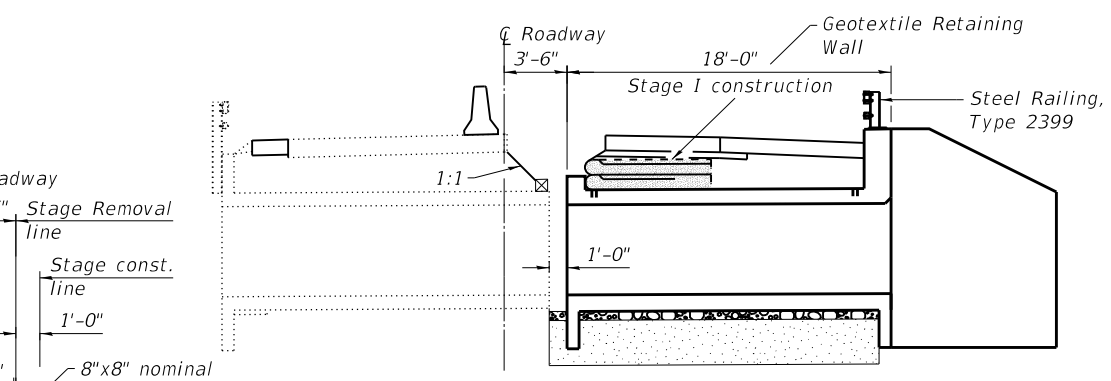
SHEET 2 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	37
CONTRACT NO. 78501				
ILLINOIS		FED. AID PROJECT		

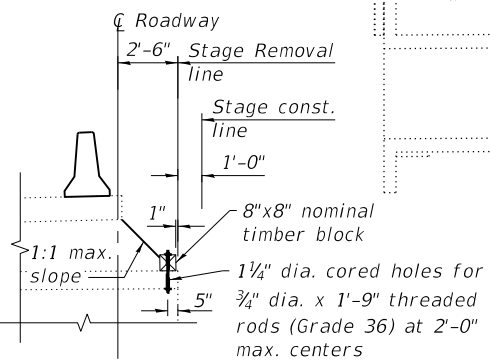




**STAGE I REMOVAL**

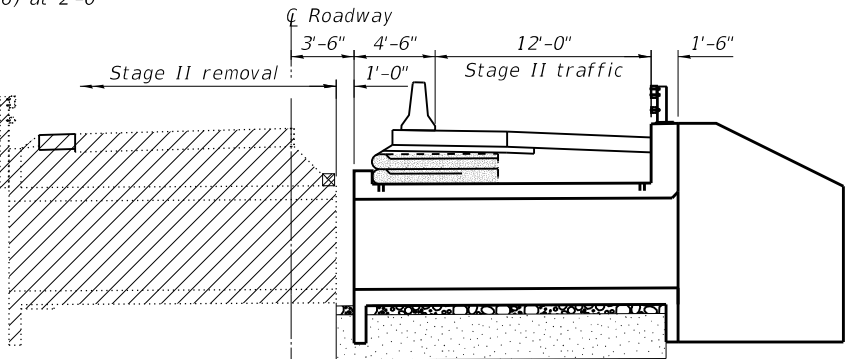


**STAGE I CONSTRUCTION**



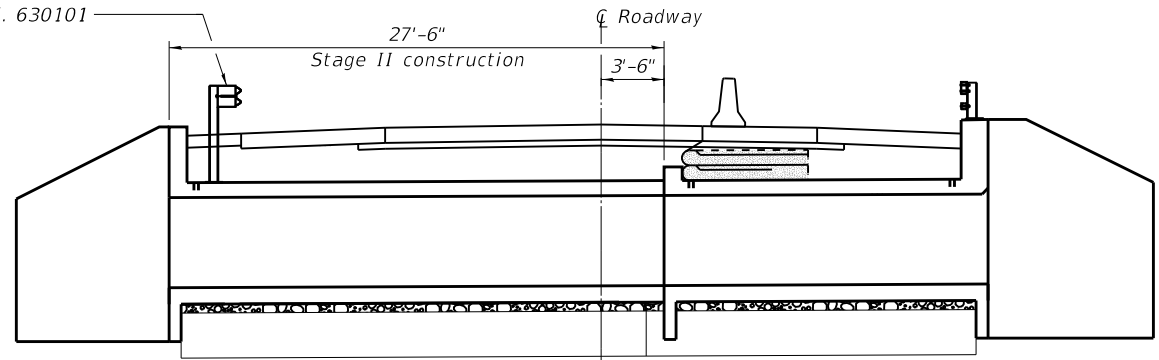
**DETAIL 1**

Threaded rods shall be installed with heavy hex nuts and 3"x3"x1/4" plate washers. Plate washers shall have a 7/8" diameter hole, centered. All costs associated with furnishing, installing and removing the above detail will not be measured for payment but shall be included in the contract unit price for Removal of Existing Structures No. 2.

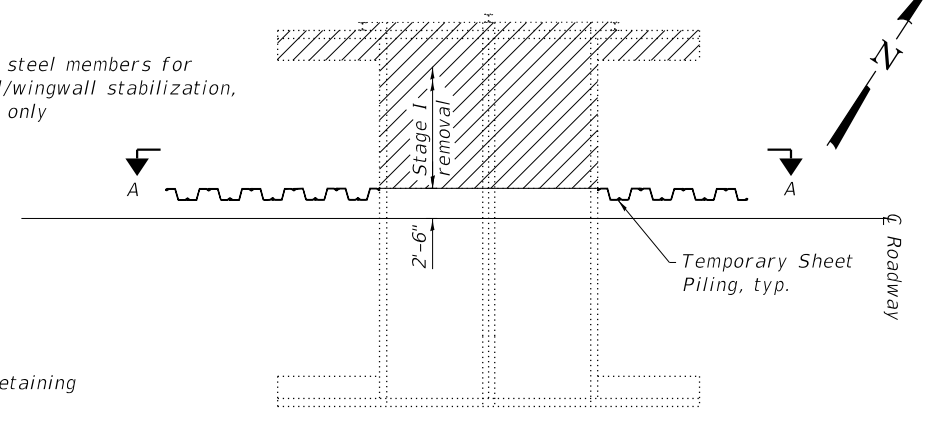


**STAGE II REMOVAL**

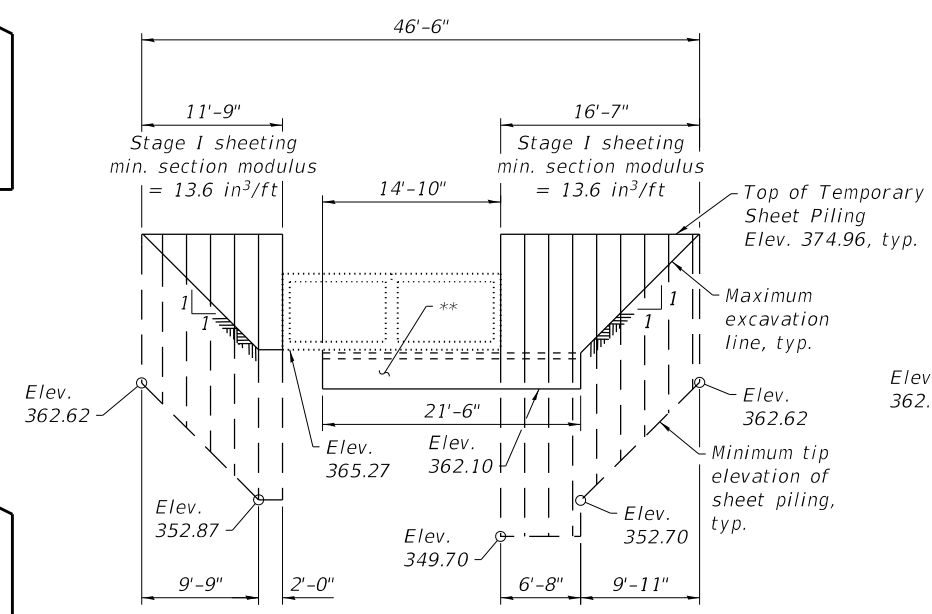
Strong Post Guardrail Attached to Culvert, Std. 630101



**STAGE II CONSTRUCTION**



**PLAN**  
(Showing Stage I removal)

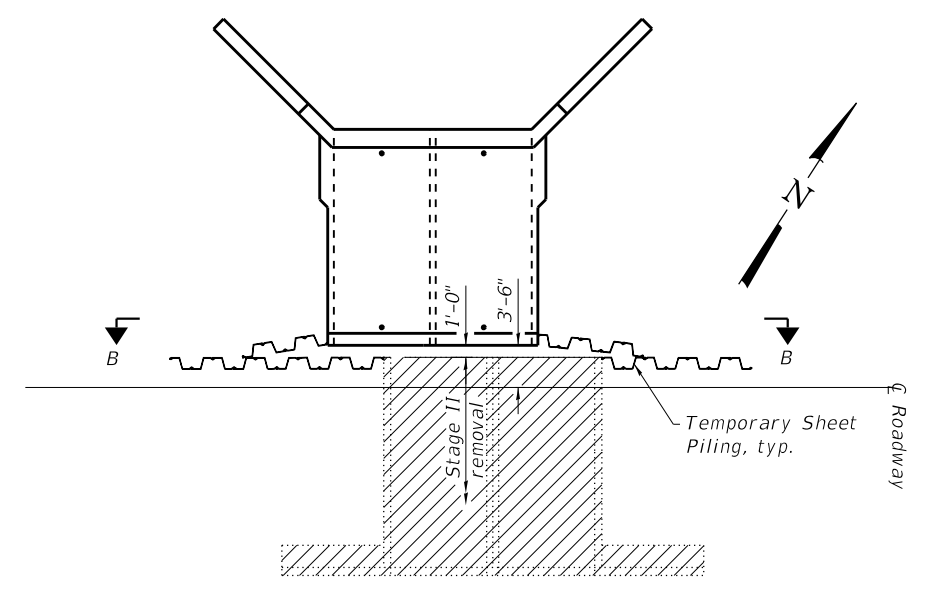


**VIEW A-A**  
(Showing Temporary Sheet Piling for Stage I construction)

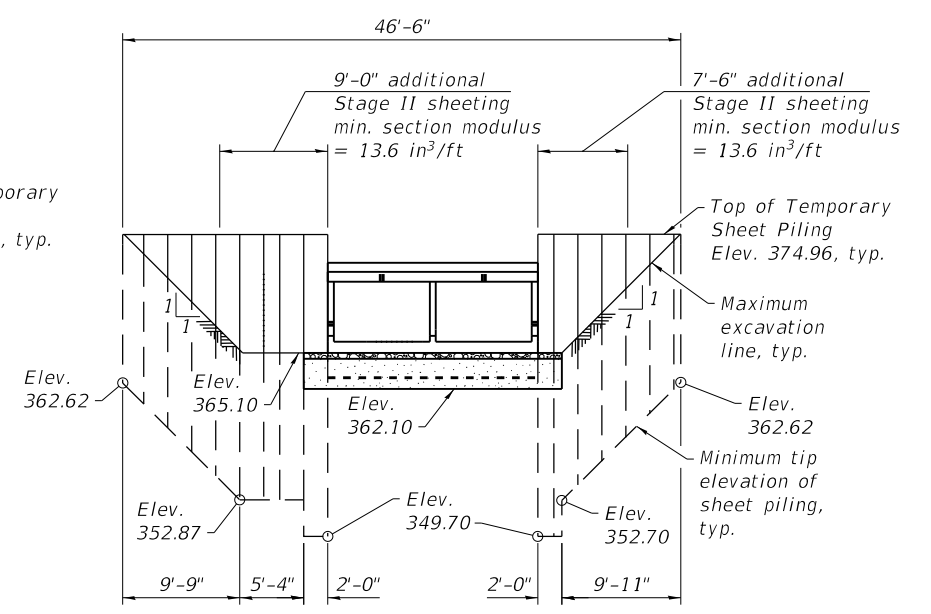
\*\*Excavate and backfill this area with Rock Fill - Foundation in the same day to prevent loss of soil under existing box culvert. Limits of same day backfilling shall extend 3'-0" minimum away from the stage removal line. Capping material may be placed at a later date.

**STAGE CONSTRUCTION NOTES**

1. All staging sections looking west.
2. Hatched areas indicate removal.
3. See roadway plans for quantity of Temporary Concrete Barrier.
4. Stage I traffic based on 2013 north headwall repairs and March 2019 field check.
5. Removal of existing steel railing and headwall/wingwall stabilization members is included with Removal of Existing Structures No. 2.



**PLAN**  
(Showing Stage II removal)



**VIEW B-B**  
(Showing Temporary Sheet Piling for Stage II construction)

**TEMPORARY SHEET PILING NOTES**

1. 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 will be required for review and acceptance by the Engineer.
2. Existing structure details are taken from existing plans and are subject to nominal construction variations.
3. Dimensions and slopes are shown along the Temporary Sheet Piling unless noted otherwise.
4. The Stage II Temporary Sheet Piling shall be connected to the Stage I Temporary Sheet Piling. The Contractor shall provide connection details for review and acceptance by the Engineer, cost included in Temporary Sheet Piling.

(Sheet 1 of 2)

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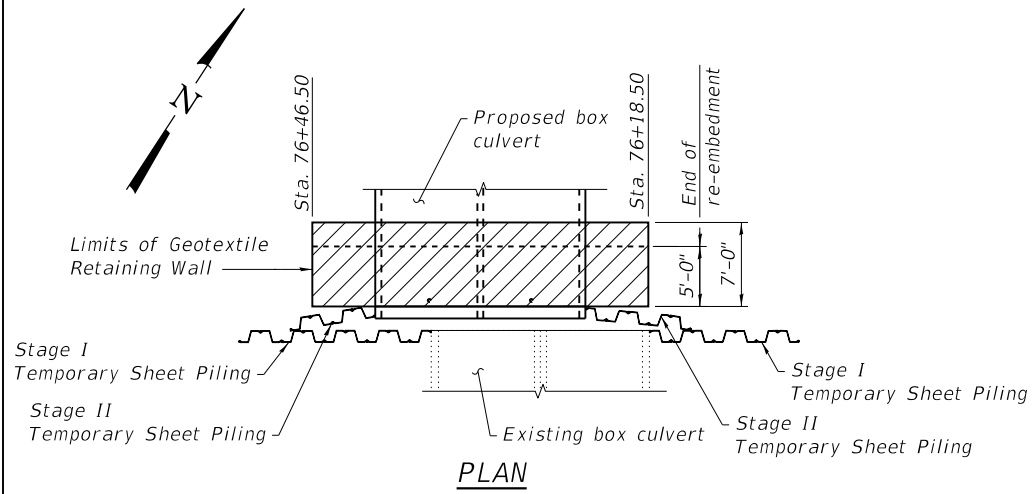
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ESCA PROJECT NO. 1295.10	CHECKED - SMA 07/20	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - NHC 06/20	REVISED -
PLOT DATE = 10/9/2020	CHECKED - MTD 06/20	REVISED -

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DEPARTMENT OF TRANSPORTATION**

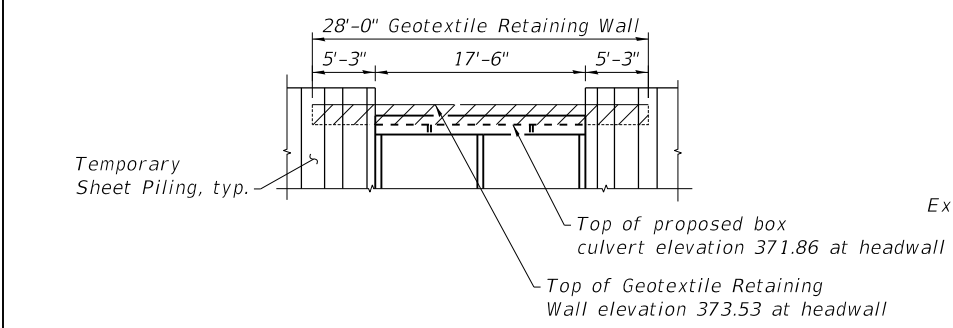
**STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 083-7102**

SHEET 3 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	38
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

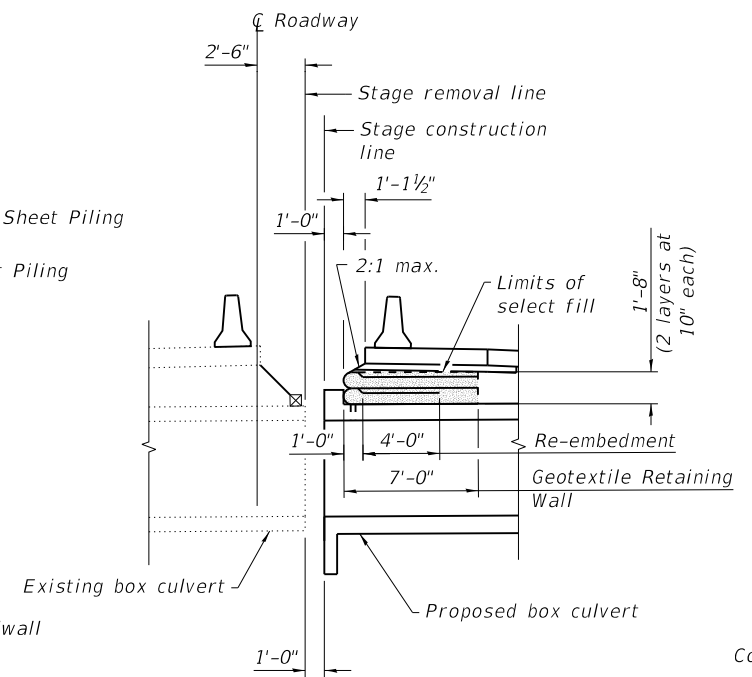


PLAN

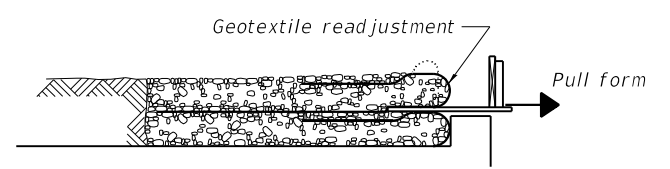
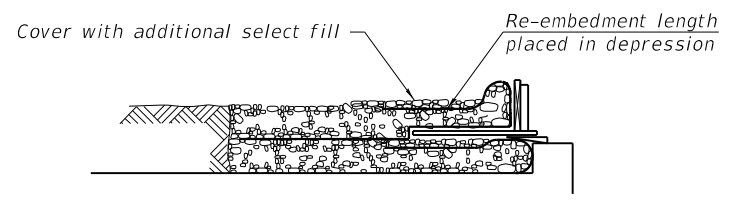
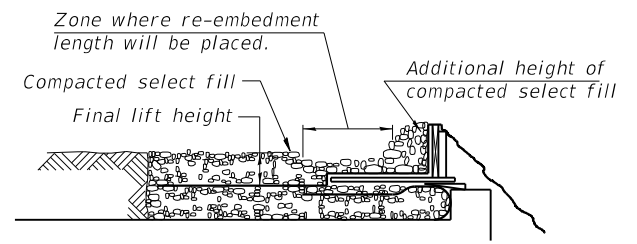
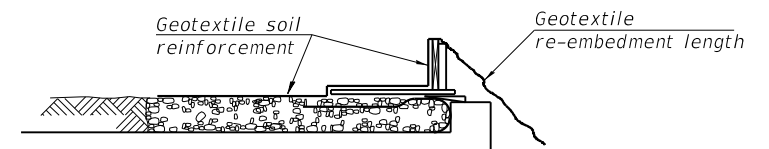
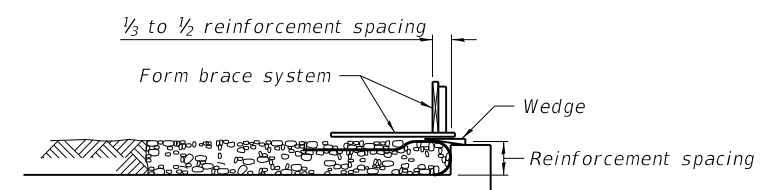


ELEVATION

GEOTEXTILE RETAINING WALL



TYPICAL SECTION

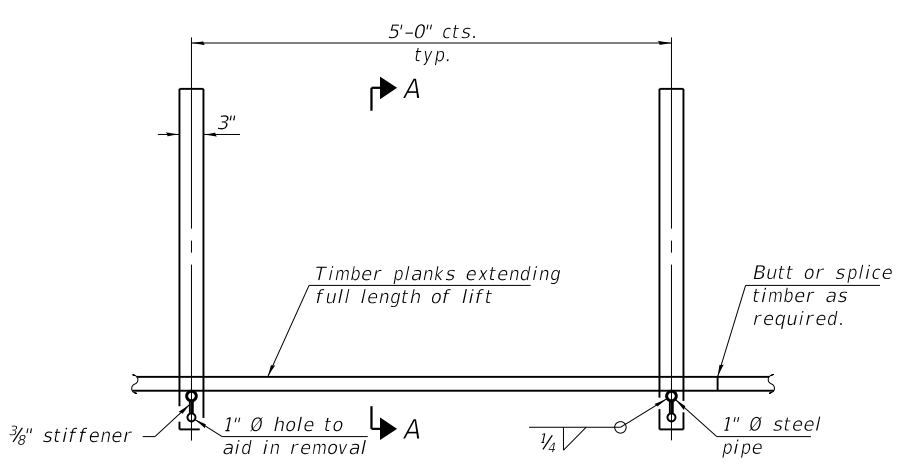


1. Place form brace system on completed reinforcement level; back from the finished fabric face a distance of  $\frac{1}{3}$  to  $\frac{1}{2}$  the geotextile reinforcement spacing.
2. Position fabric so that the required geotextile re-embedment length extends over the top of the form brace and the design reinforcement width is placed with no slack against the previous level.
3. Compact select fill material in lifts to final lift height, create ( $\pm 3"$ ) depression in zone where re-embedment length will be located and place additional height of compacted select fill against form brace.
4. Fold geotextile re-embedment length back over form brace into zone where depression was made in select fill and place additional select fill ( $\pm 3"$ ) to embed geotextile and bring to final lift height.
5. Pull form brace outward allowing geotextile face to slightly readjust to form tight round face level with plan reinforcement spacing.

GEOTEXTILE WALL CONSTRUCTION SEQUENCE

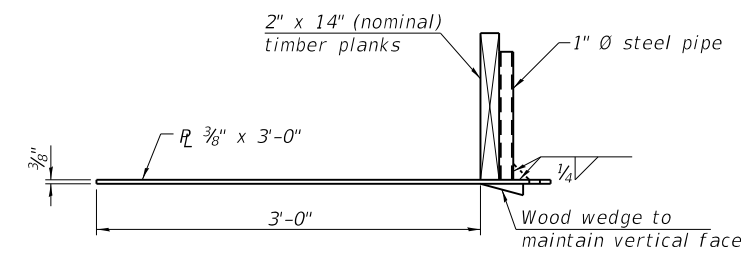
Note:  
The geotextile soil reinforcement shall have a minimum allowable tensile strength (T min.) of 15 lb./in. as determined by the procedure described in the Standard Specifications. The computations supporting the determination of (T min.) shall be submitted to the Engineer for approval.

(Sheet 2 of 2)



PLAN

GEOTEXTILE FORM BRACE DETAIL



SECTION A-A

Note:  
This is a suggested detail, the Contractor is responsible for the design of the form brace system to be used.

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ESCA PROJECT NO. 1295.10	CHECKED - SMA 07/20	REVISED -
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PLOT DATE = 10/9/2020	CHECKED - MTD 07/20	REVISED -

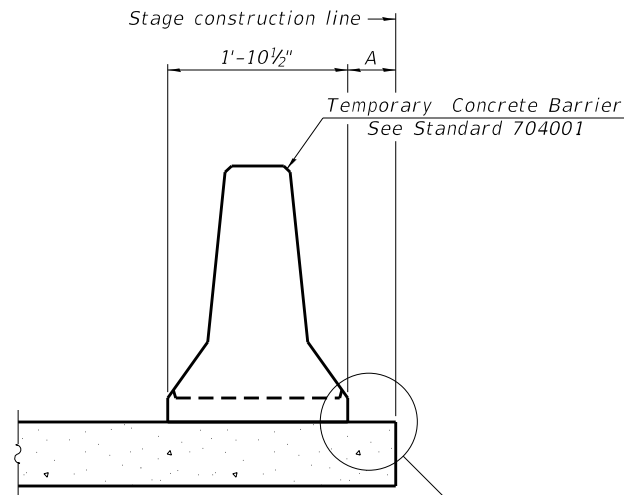
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 083-7102

SHEET 4 OF 12 SHEETS

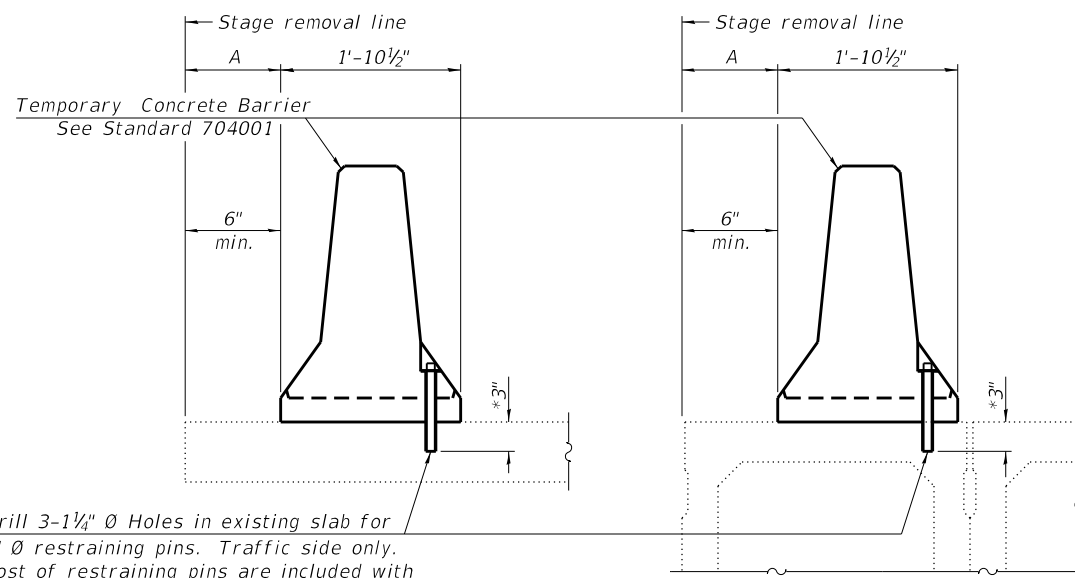
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	39
CONTRACT NO. 78501				

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When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

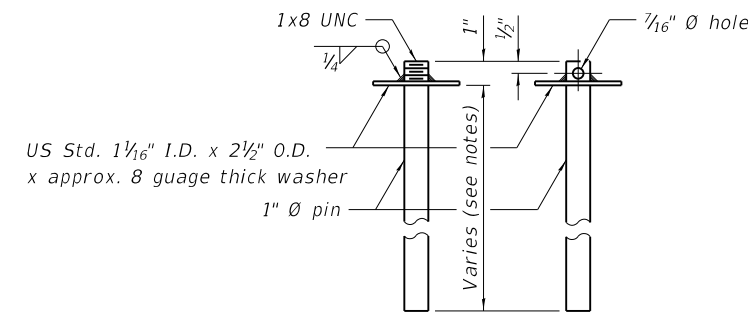


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

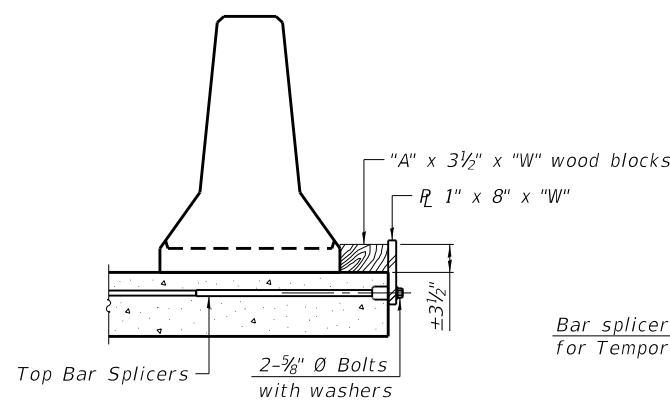
\* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

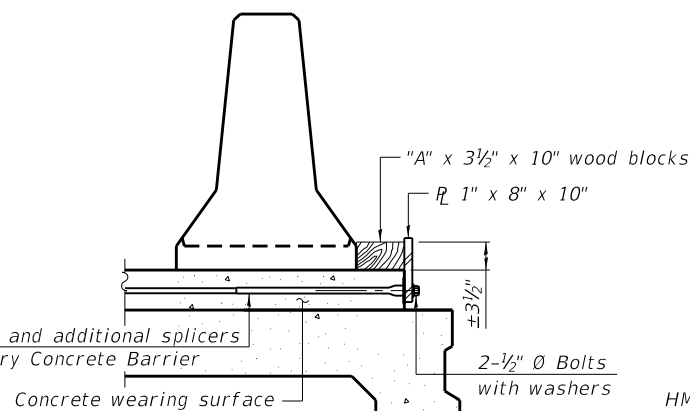


RESTRAINING PIN

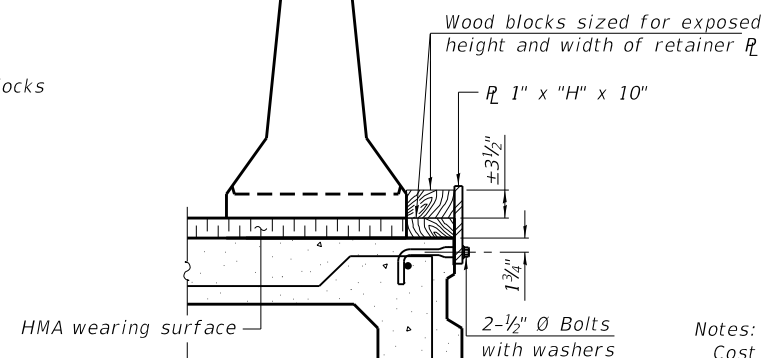
SECTIONS THRU SLAB OR DECK BEAM



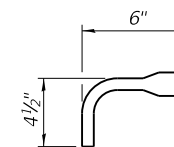
DETAIL I



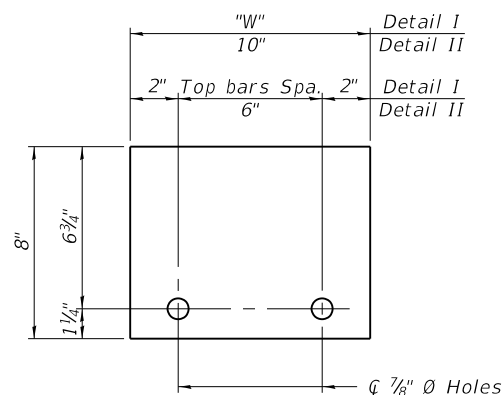
DETAIL II



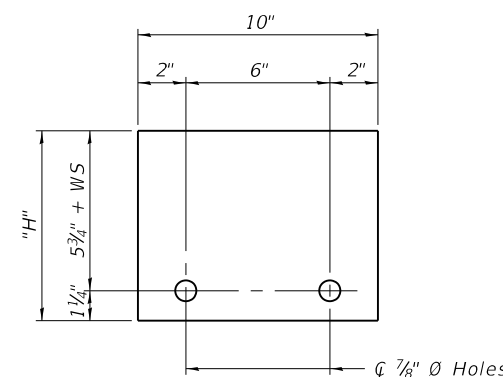
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER 1" x 8" x "W" (Detail I and II)



STEEL RETAINER 1" x "H" x 10" (Detail III)

Notes:  
 Cost of retainer assembly is included with Temporary Concrete Barrier.  
 A retainer assembly shall be located at the approximate  $\bar{C}$  of each temporary concrete barrier.  
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.  
 When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.  
 Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.  
 Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

ESCA CONSULTANTS, INC. 78501(CADD)SP SN 083-7102(0837102-78501-05-TCB.dgn 10/9/2020 12:58:23 PM

R-27 2-17-2017



USER NAME = skm	DESIGNED - ELH 04/20	REVISED -
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PLOT DATE = 10/9/2020	CHECKED - MTD 06/20	REVISED -

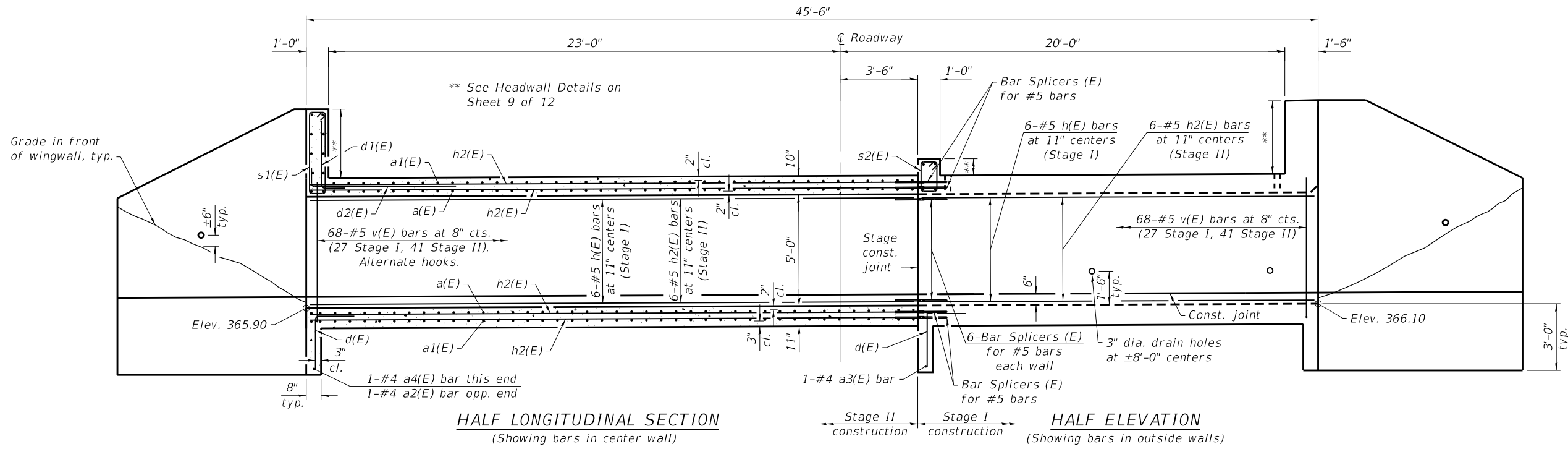
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION  
STRUCTURE NO. 083-7102

SHEET 5 OF 12 SHEETS

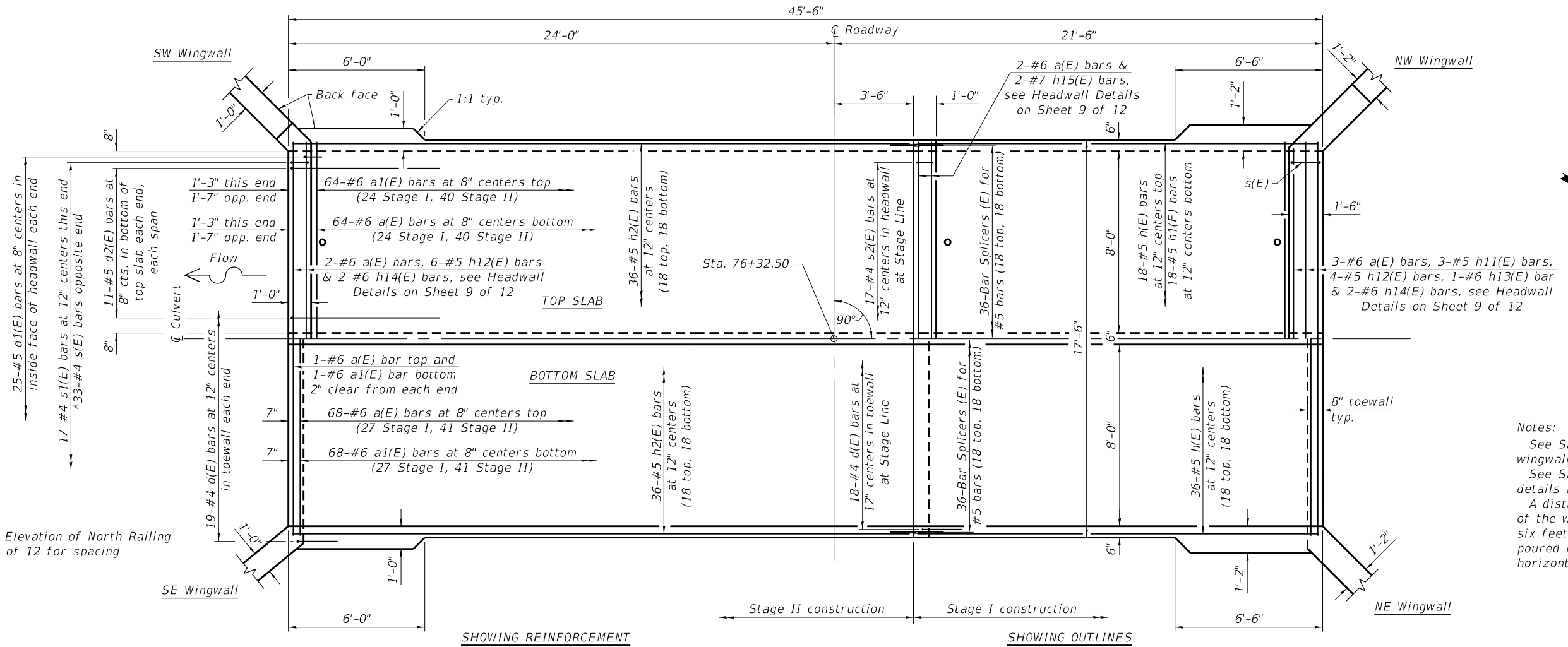
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881	32B-2;32B-3	SALINE	73	40
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				





**HALF LONGITUDINAL SECTION**  
(Showing bars in center wall)

**HALF ELEVATION**  
(Showing bars in outside walls)



**SHOWING REINFORCEMENT**

**PLAN**

**SHOWING OUTLINES**

Notes:  
See Sheets 7 & 8 of 12 for wingwall details.  
See Sheet 9 of 12 for additional details and Bill of Material.  
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the horizontal cantilever wingwalls.

(Sheet 1 of 4)

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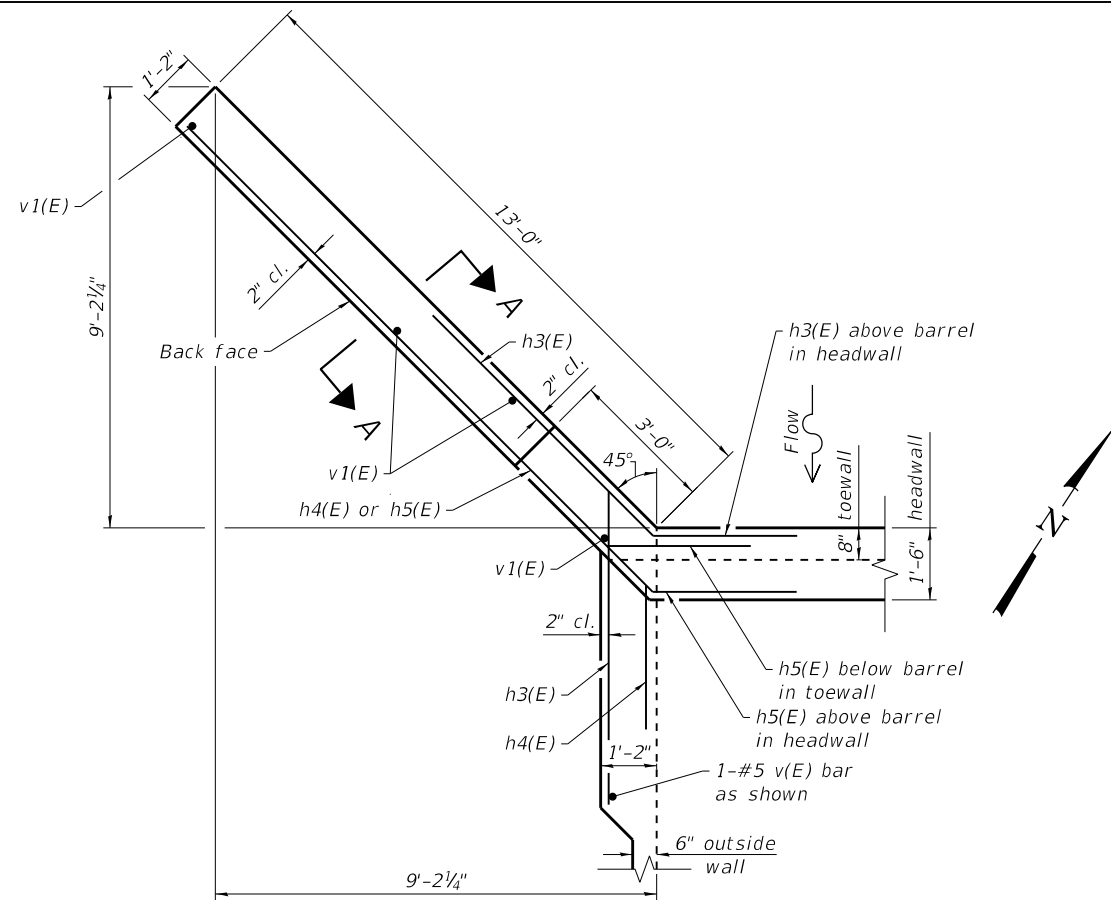
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT DETAILS  
STRUCTURE NO. 083-7102**

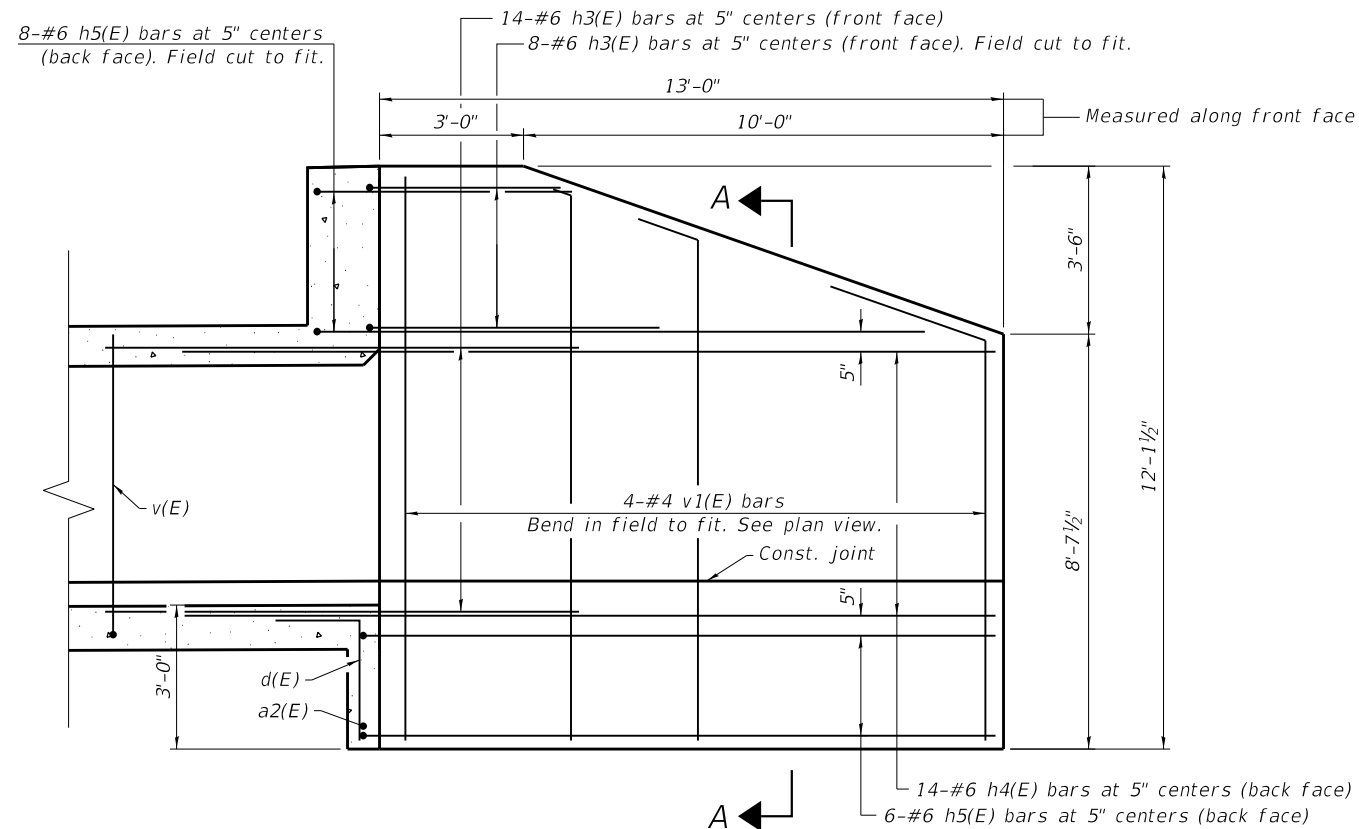
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CONTRACT NO. 78501				

SHEET 6 OF 12 SHEETS

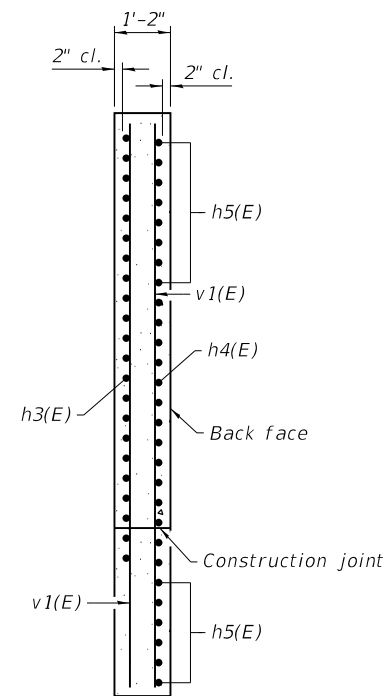
ILLINOIS FED. AID PROJECT



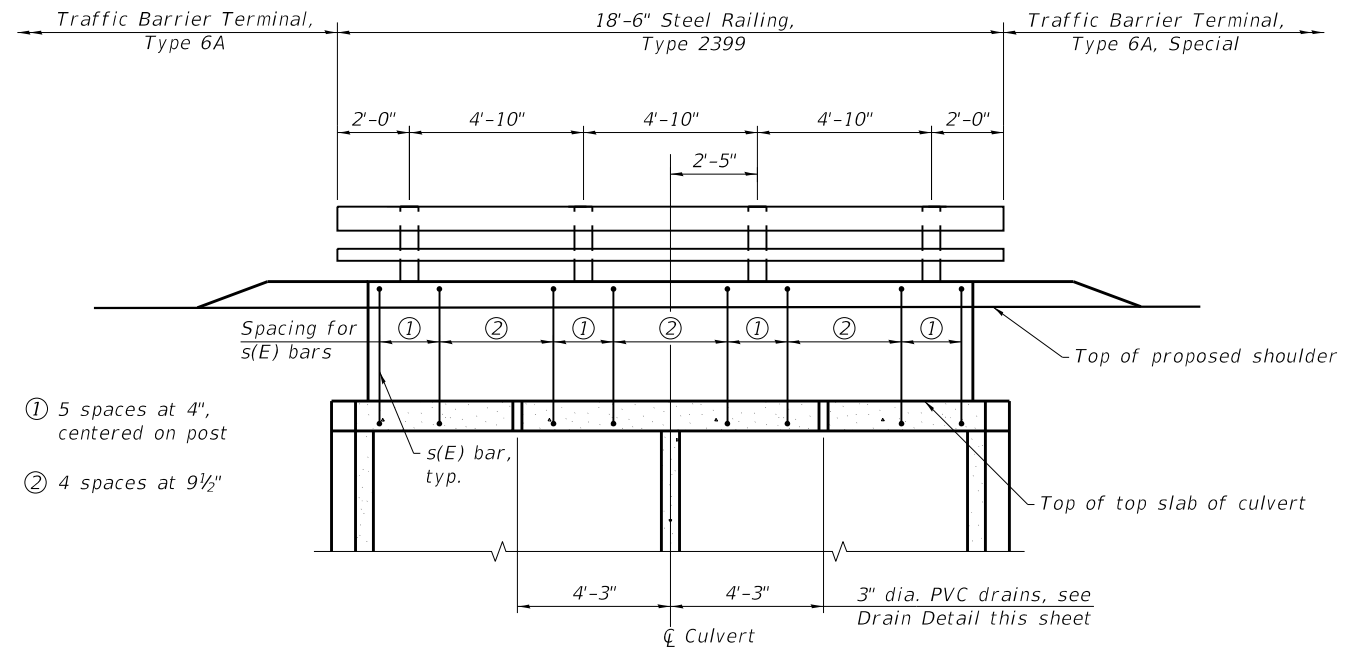
**NORTHWEST WINGWALL PLAN**  
(Northeast Wingwall similar)



**NORTHWEST WINGWALL ELEVATION**  
(Northeast Wingwall similar)

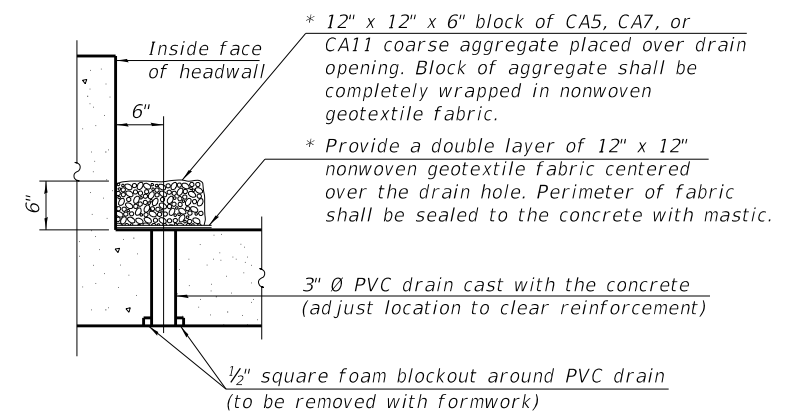


**SECTION A-A**



**INSIDE ELEVATION OF NORTH RAILING**

\* 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.  
One drain required at the center of each span at each headwall, including headwall at stage construction line.

(Sheet 2 of 4)

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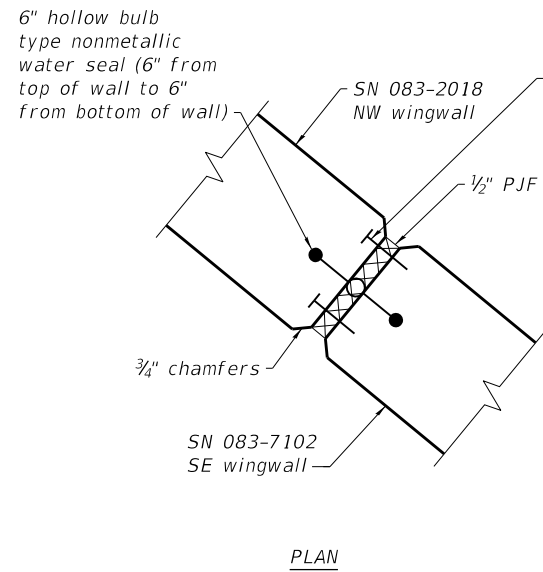
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT DETAILS  
STRUCTURE NO. 083-7102**

SHEET 7 OF 12 SHEETS

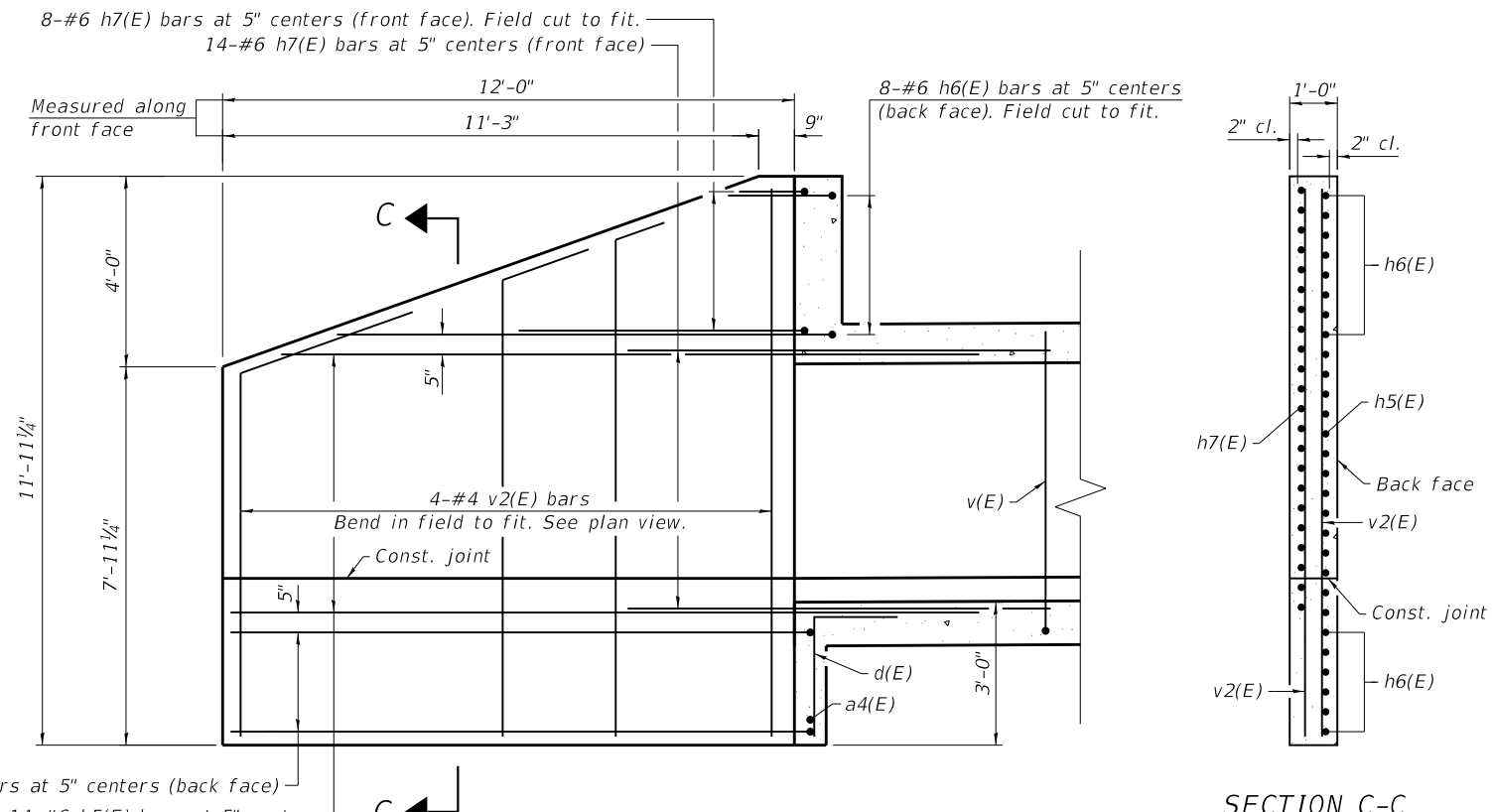
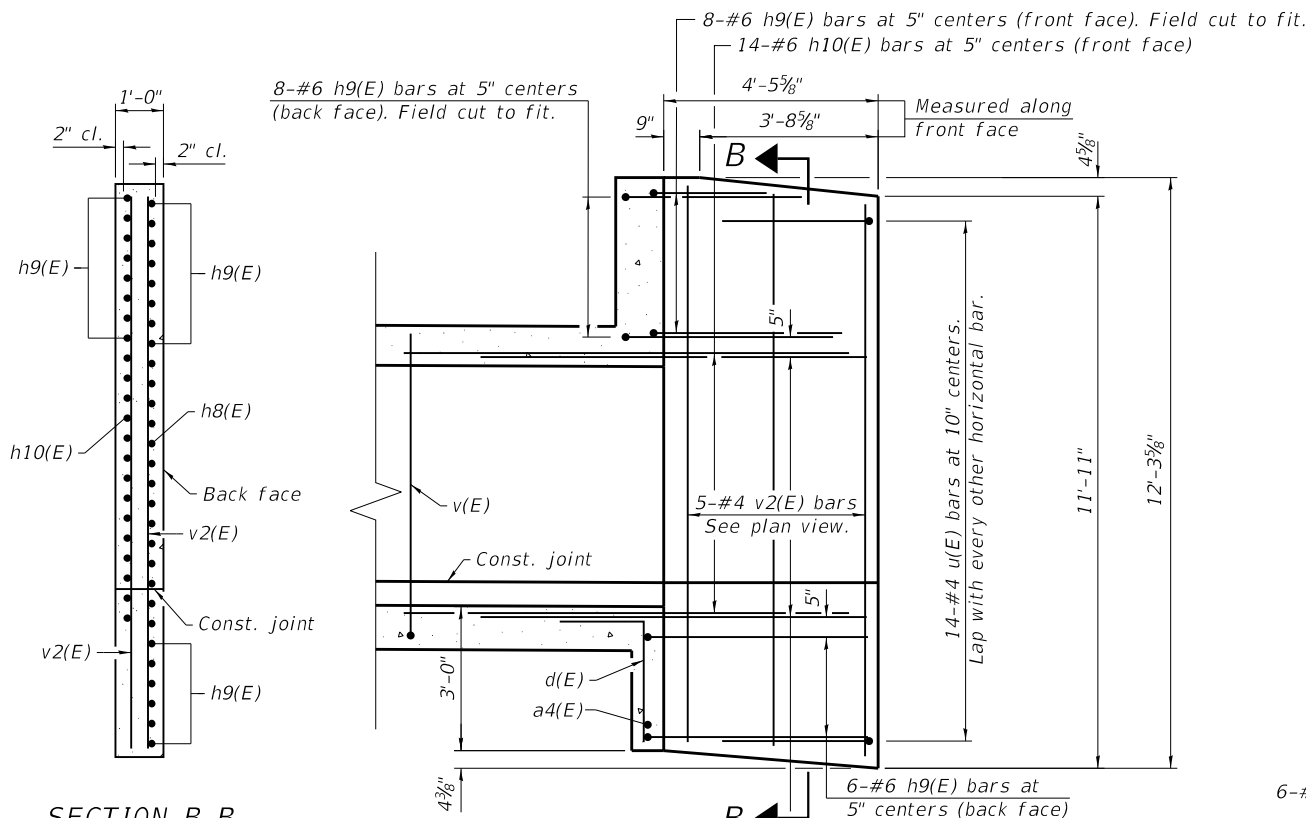
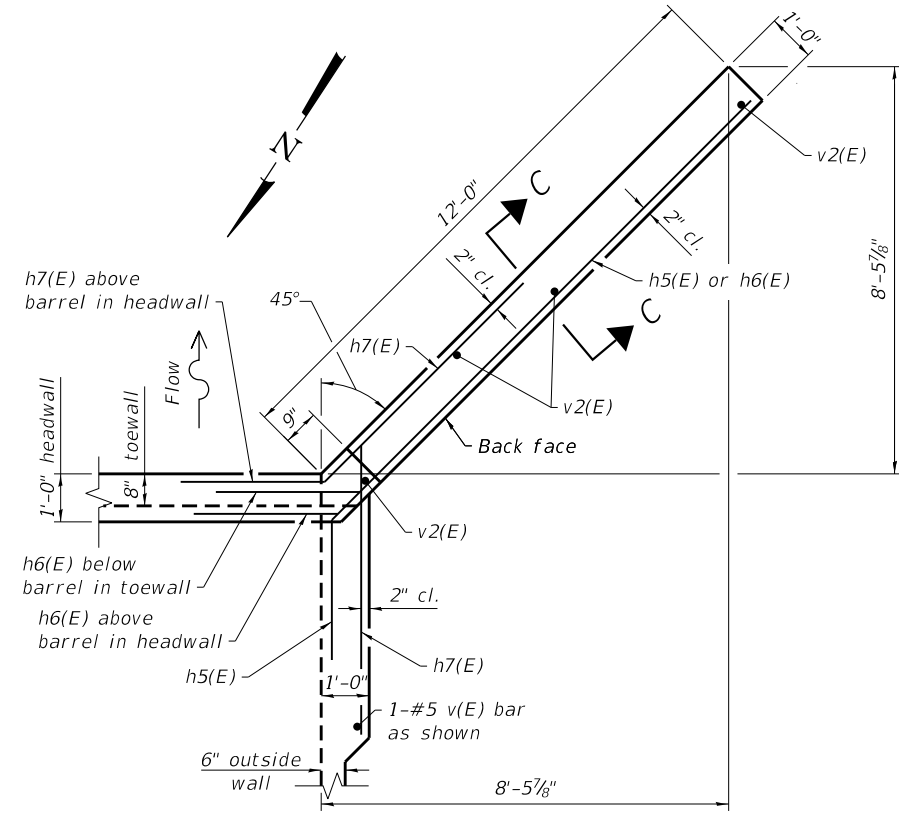
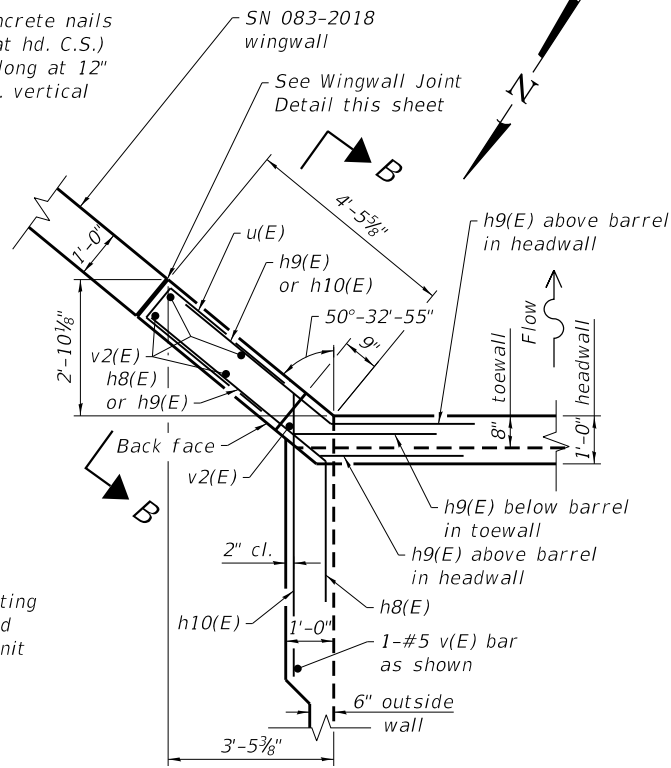
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	42
CONTRACT NO. 78501				

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**WINGWALL JOINT DETAIL**

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



(Sheet 3 of 4)

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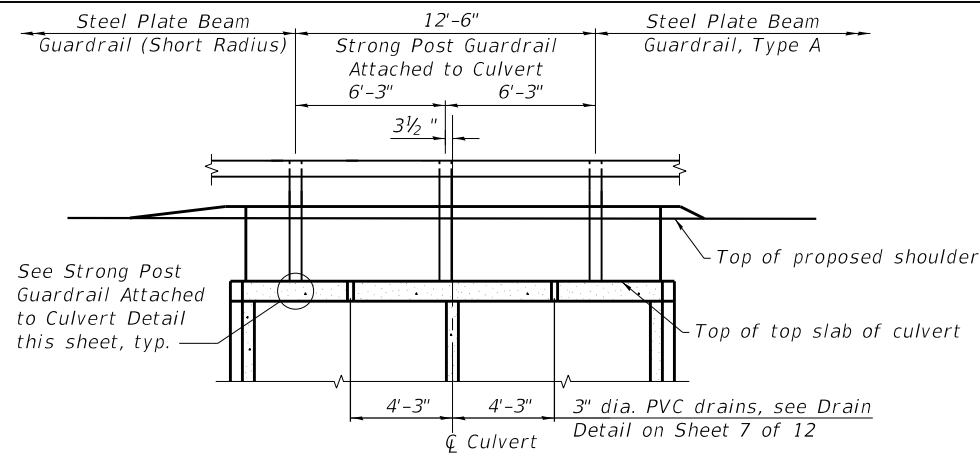
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

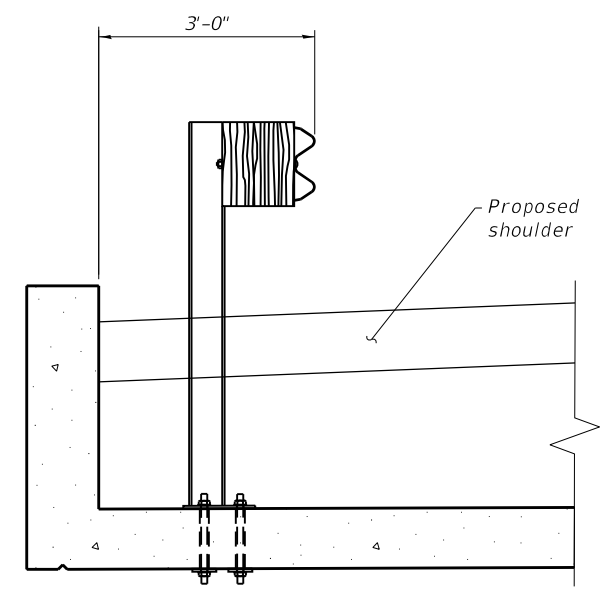
BOX CULVERT DETAILS  
STRUCTURE NO. 083-7102

SHEET 8 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

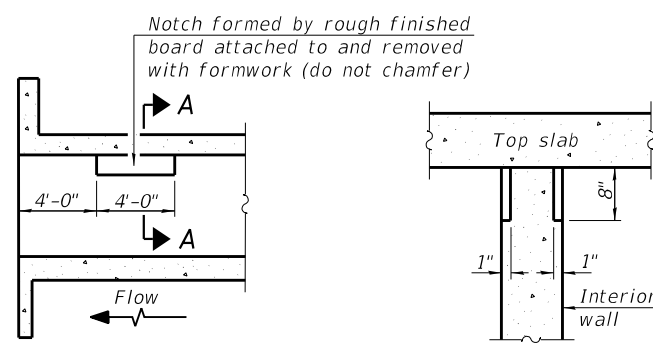


INSIDE ELEVATION OF SOUTH RAILING

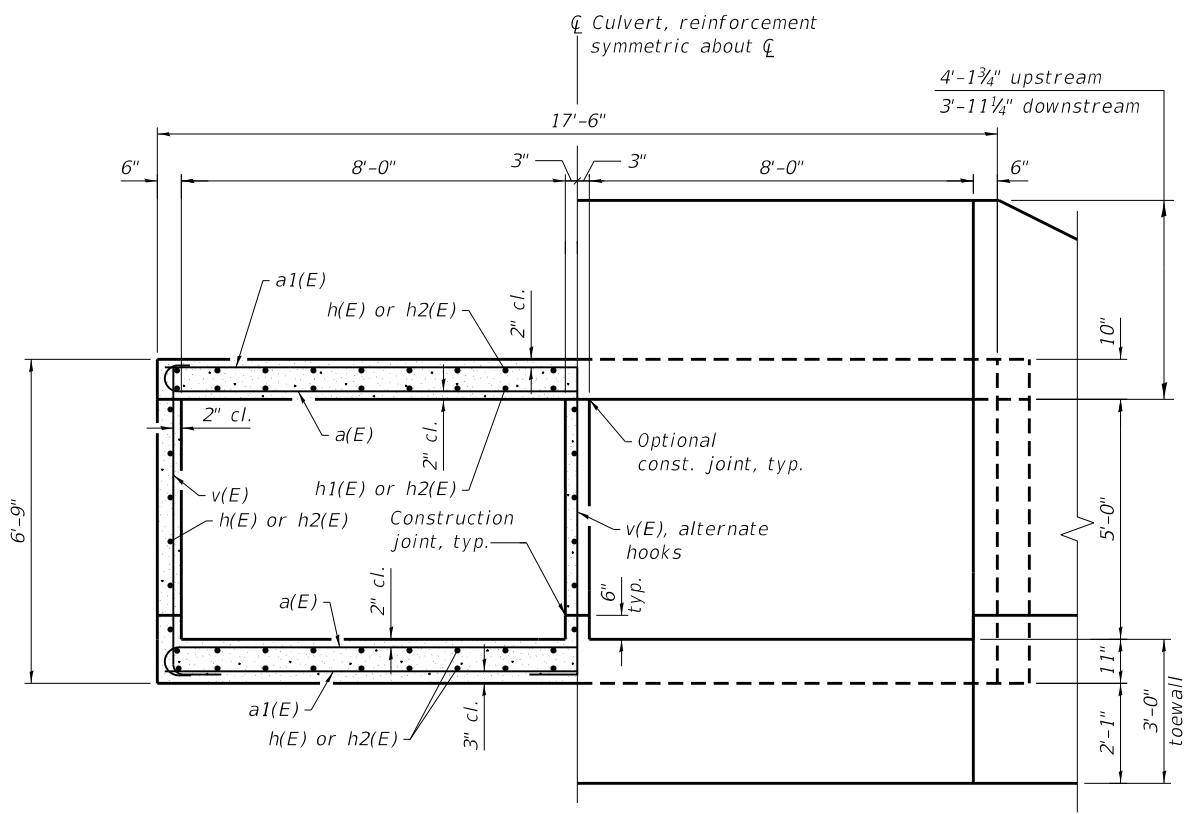


STRONG POST GUARDRAIL ATTACHED TO CULVERT DETAIL

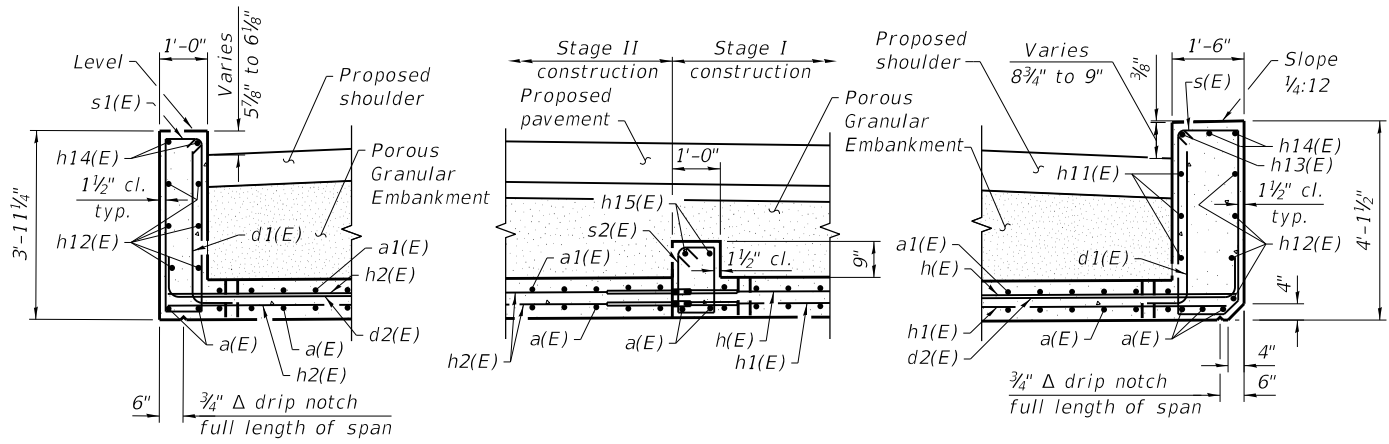
See roadway plans for mounting plate detail for center post. See Std. 630101 for mounting plate detail for other posts and anchor rod detail. Space reinforcement to miss anchor rods.



PHOEBE NESTING SITE DETAILS (Downstream End Only)



HALF SECTION THROUGH BARREL HALF END ELEVATION

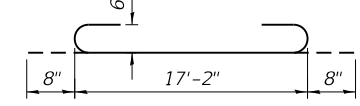


AT DOWNSTREAM END AT STAGE CONSTRUCTION LINE AT UPSTREAM END

HEADWALL DETAILS

BAR	A	B
d(E)	1'-9"	2'-7"
d1(E)	10"	3'-6"
d2(E)	10"	6'-6"
v(E)	10"	6'-4"

BAR S d(E), d1(E), d2(E) & v(E)



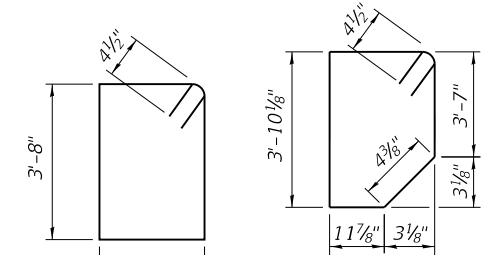
BAR a(E)

BAR	A	B
h3(E)	6'-5"	2'-1 1/2"
h4(E)	13'-5"	2'-1 1/2"
h5(E)	12'-3"	2'-1 1/2"
h6(E)	11'-6"	2'-1 1/2"
h7(E)	5'-11"	2'-1 1/2"
h8(E)	4'-7"	1'-10 7/8"
h9(E)	3'-10"	2'-3 3/4"
h10(E)	5'-10"	1'-10 7/8"

BAR S h3(E) THRU h10(E)

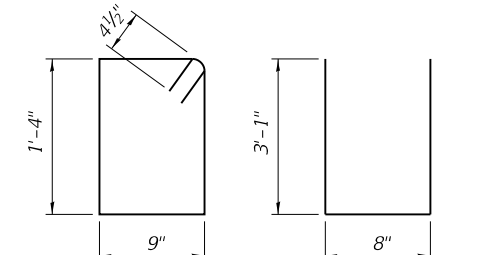
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	141	#6	18'-6"	□
a1(E)	134	#6	17'-2"	□
a2(E)	1	#4	18'-6"	□
a3(E)	1	#4	17'-2"	□
a4(E)	1	#4	18'-2"	□
d(E)	56	#4	4'-4"	□
d1(E)	50	#5	4'-4"	□
d2(E)	44	#5	7'-4"	□
h(E)	72	#5	17'-8"	□
h1(E)	18	#5	17'-6"	□
h2(E)	90	#5	27'-2"	□
h3(E)	44	#6	9'-5"	□
h4(E)	28	#6	16'-5"	□
h5(E)	42	#6	15'-3"	□
h6(E)	14	#6	14'-6"	□
h7(E)	22	#6	8'-11"	□
h8(E)	14	#6	7'-7"	□
h9(E)	22	#6	6'-10"	□
h10(E)	14	#6	8'-10"	□
h11(E)	3	#5	16'-8"	□
h12(E)	10	#5	17'-2"	□
h13(E)	1	#6	16'-8"	□
h14(E)	4	#6	17'-2"	□
h15(E)	2	#7	17'-2"	□
s(E)	33	#4	10'-10"	□
s1(E)	17	#4	9'-7"	□
s2(E)	17	#4	4'-11"	□
u(E)	14	#4	6'-10"	□
v(E)	208	#5	7'-2"	□
v1(E)	8	#4	11'-9"	□
v2(E)	9	#4	11'-6"	□
Concrete Box Culverts			Cu. Yd.	94.2
Reinforcement Bars, Epoxy Coated			Pound	18,370



BAR S s1(E)

BAR S s(E)



BAR S s2(E)

BAR S u(E)

(Sheet 4 of 4)

MODEL: PLOT FILE NAME: Y:\IDOT\1295-10\_78501\CADD\SP\_SN\_083-7102\0837102-78501-09-CulvertDis.dgn



USER NAME = skm  
ESCA PROJECT NO. 1295.10  
PLOT SCALE = 0.1667' / in.  
PLOT DATE = 10/9/2020

DESIGNED - SMA 06/20  
CHECKED - MTD 06/20  
DRAWN - NHC 07/20  
CHECKED - MTD 07/20

REVISED -  
REVISED -  
REVISED -  
REVISED -

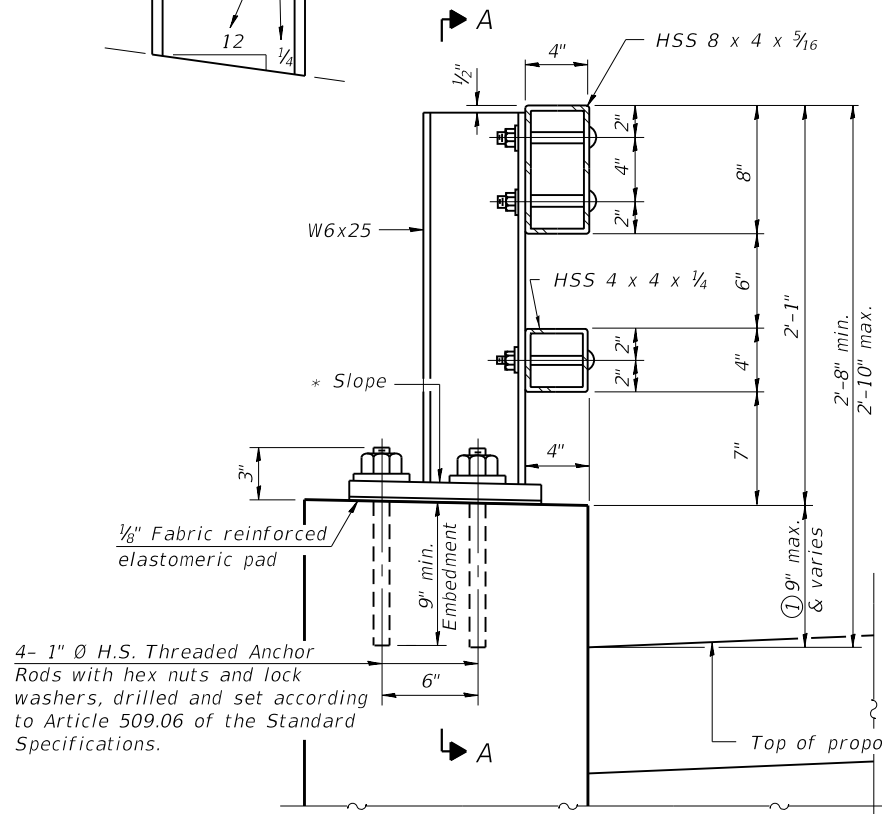
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BOX CULVERT DETAILS  
STRUCTURE NO. 083-7102

SHEET 9 OF 12 SHEETS

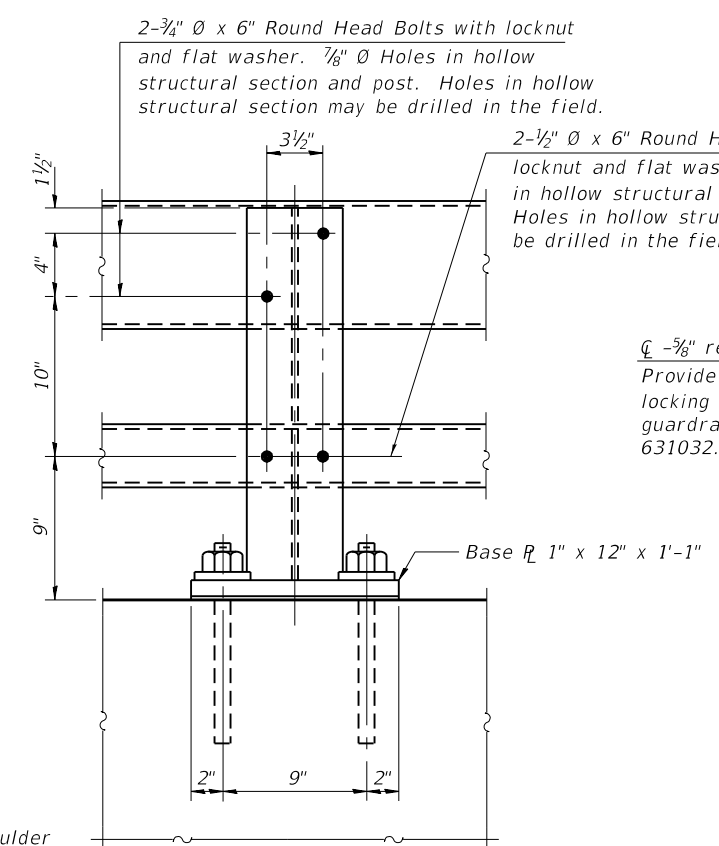
F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
881 32B-2;32B-3 SALINE 73 44  
CONTRACT NO. 78501  
ILLINOIS FED. AID PROJECT

\* Cut bottom end of post to curb slope.



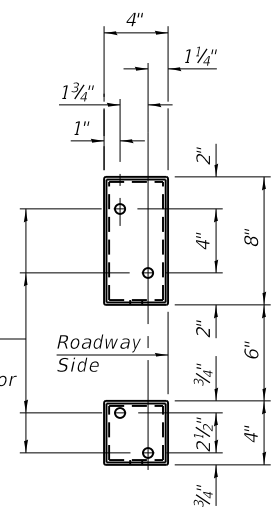
SECTION AT RAIL POST

① Use steel shims under base plates as necessary to provide 2'-10" rail height; top of rail profile shall parallel US 45 profile grade.

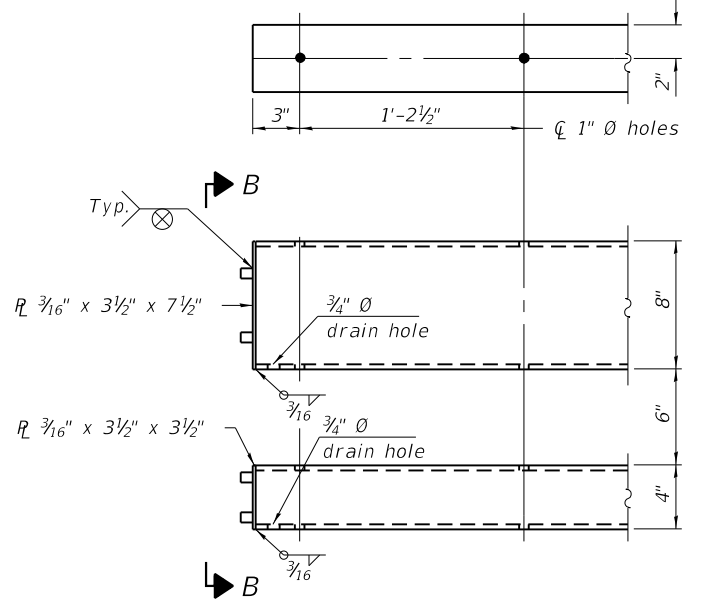


SECTION A-A

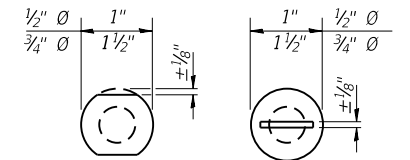
② -5/8" reduced base welded studs. Provide 4 -5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032.



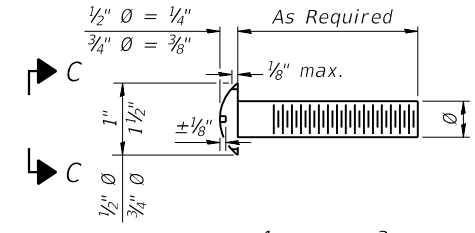
VIEW B-B



END OF RAIL DETAILS

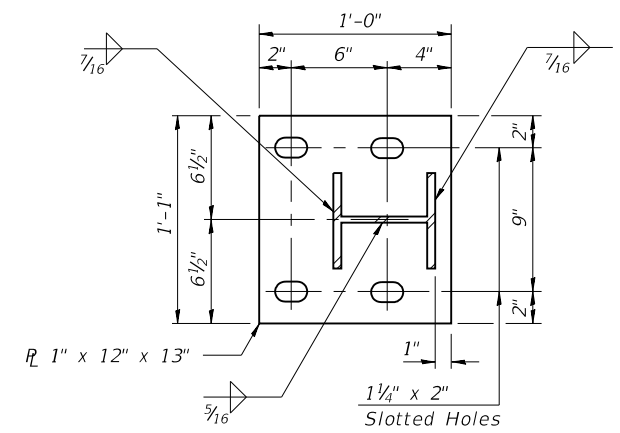


VIEW C-C

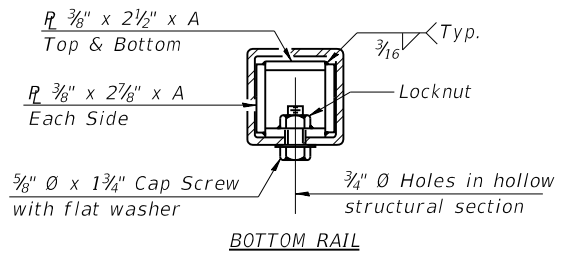


DETAIL OF 1/2" Ø & 3/4" Ø ROUND HEAD BOLTS

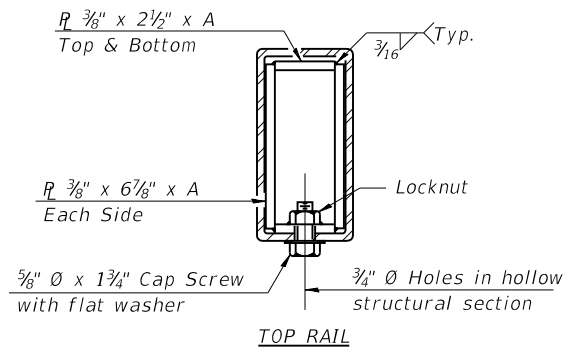
Notes:  
 Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.  
 Steel Bridge Rail expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened only to a point that will allow railing movement.  
 ① Provide one 1/8" and two 1/16" steel shims for all posts. Shims shall be similar to base plates in size and holes.  
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



BASE PLATE DETAIL

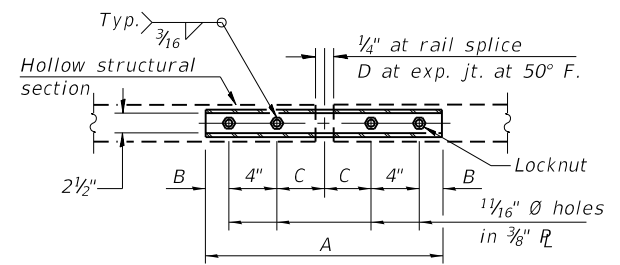


BOTTOM RAIL

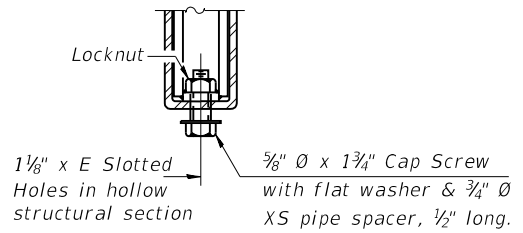


TOP RAIL

SECTIONS AT RAIL SPLICE



PLAN-BOTT. SPLICE R TYPICAL



RAIL SPLICE CONNECTION AT EXPANSION JT.

SPLICE DIMENSIONS

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/4"	1'-8"	2"	4"	—

T = Total movement at expansion joint as shown on the design plans.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	19

MODEL: PLOT FILE NAME: Y:\IDOT\1295-10\_78501\CADD\SP\_SN\_083-7102\0837102-78501-10-SteelRailing.dgn

R-31

2-17-2017

(6'-3" Maximum Post Spacing)



USER NAME = skm  
 ESCA PROJECT NO. 1295.10  
 PLOT SCALE = 0:2" = 1' / in.  
 PLOT DATE = 10/9/2020

DESIGNED - ELH 03/20  
 CHECKED - MTD 06/20  
 DRAWN - NHC 07/20  
 CHECKED - MTD 07/20

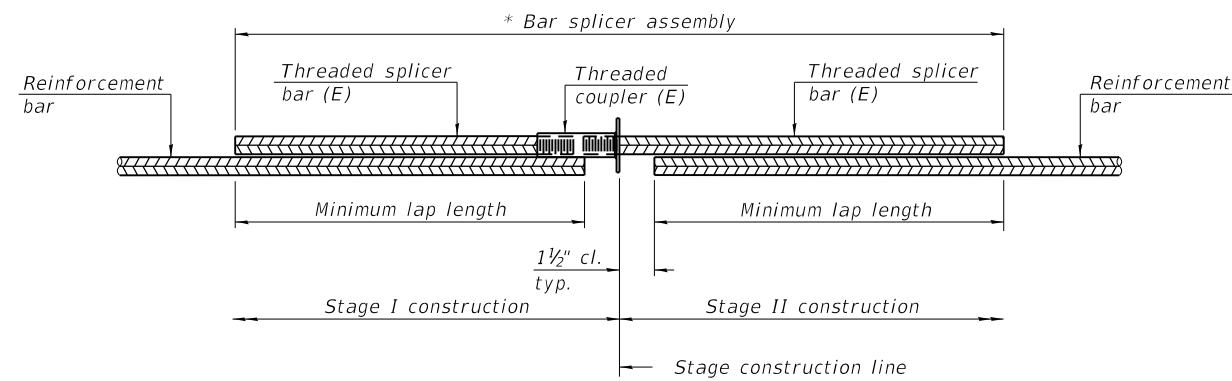
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE 2399  
 STRUCTURE NO. 083-7102

SHEET 10 OF 12 SHEETS

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.  
 881 32B-2;32B-3 SALINE 73 45  
 CONTRACT NO. 78501  
 ILLINOIS FED. AID PROJECT

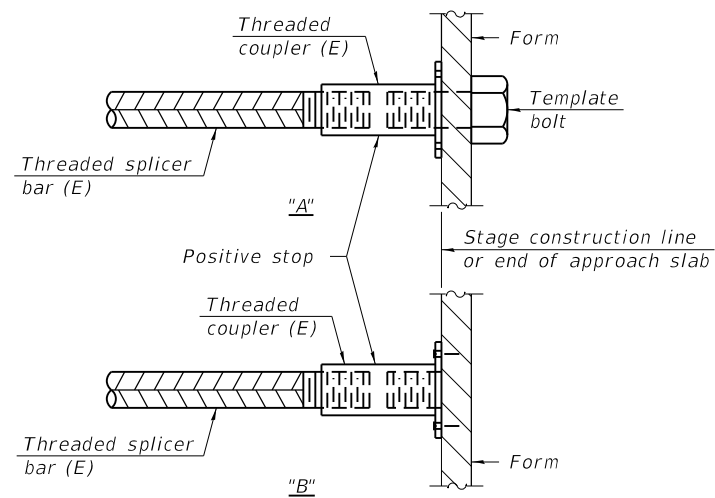


**STANDARD BAR SPLICER ASSEMBLY PLAN**  
(All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + 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 of top slab	#5	18	3'-2"
Bot. of top slab	#5	18	3'-2"
Top of bot. slab	#5	18	3'-2"
Bot. of bot. slab	#5	18	3'-2"
Walls	#5	18	3'-7"

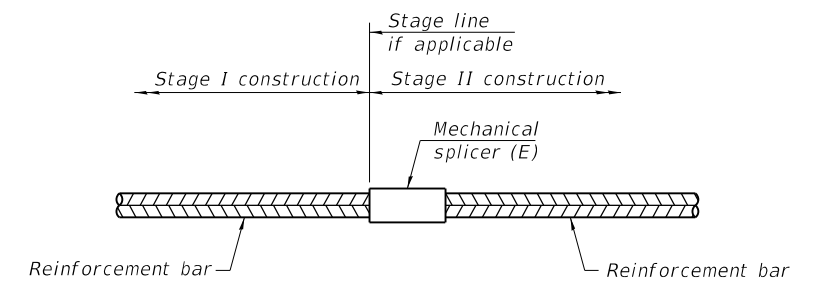


**INSTALLATION AND SETTING METHODS**

"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
NA		

**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.

MODEL: PLOT FILE NAME: Y:\IDOT\1295-10\_78501\CADD\SP\_SN\_083-7102\0837102-78501-11-BSD.dgn

BSD-1

1-1-2020



USER NAME = skm	DESIGNED - SMA	06/20	REVISED -
ESCA PROJECT NO. 1295.10	CHECKED - MTD	06/20	REVISED -
PLOT SCALE = 0:2 " = 1" / in.	DRAWN - NHC	06/20	REVISED -
PLOT DATE = 10/9/2020	CHECKED - MTD	06/20	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS  
STRUCTURE NO. 083-7102**

SHEET 11 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	46
CONTRACT NO. 78501				
ILLINOIS		FED. AID PROJECT		



SOIL BORING LOG

Date 10/1/19

ROUTE US 45 DESCRIPTION Double barrel 8'x5' box culvert/stream LOGGED BY L. Estel

SECTION 32B-3;32B-2 LOCATION Near Feazel St S of Harrisburg, SEC. 28, TWP. 9S, RNG. 6E, PM

COUNTY Saline DRILLING METHOD Hollow stem auger (8" O.D., 3.25" I.D.) HAMMER TYPE Auto SPT 140 lbs

Table with columns for STRUCT. NO., BORING NO., and SOIL PROPERTIES (DEPTH, BLOW COUNT, UNCONFINED COMPRESSIVE STRENGTH, MOISTURE CONTENT).

Main soil log table with columns for SOIL DESCRIPTION, DEPTH (ft), BLOW COUNT, UCS (tsf), and MOISTURE CONTENT (%).

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)



SOIL BORING LOG

Date 10/1/19

ROUTE US 45 DESCRIPTION Double barrel 8'x5' box culvert/stream LOGGED BY L. Estel

SECTION 32B-3;32B-2 LOCATION Near Feazel St S of Harrisburg, SEC. 28, TWP. 9S, RNG. 6E, PM

COUNTY Saline DRILLING METHOD Hollow stem auger (8" O.D., 3.25" I.D.) HAMMER TYPE Auto SPT 140 lbs

Table with columns for STRUCT. NO., BORING NO., and SOIL PROPERTIES (DEPTH, BLOW COUNT, UNCONFINED COMPRESSIVE STRENGTH, MOISTURE CONTENT).

Main soil log table with columns for SOIL DESCRIPTION, DEPTH (ft), BLOW COUNT, UCS (tsf), and MOISTURE CONTENT (%).

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)

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File Name S:\MATERIALS GEOTECHNICAL UNIT\BORING LOGS USING GINT\STATE STRUCTURES\SALINE\083-7067.GPJ Data Template D6\TEMPLT.GDT Date Printed 10/4/19



Table with columns for USER NAME, DESIGNED, CHECKED, DRAWN, PLOT DATE, and REVISIONS.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS STRUCTURE NO. 083-7102

SHEET 12 OF 12 SHEETS

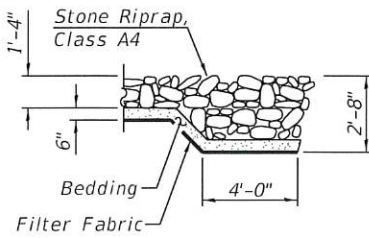
Table with columns for F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., and CONTRACT NO.



BENCHMARK: BM 083-9510 - Aluminum disk stamped "083-9510 1994" located in the Harrisburg IDOT Operations Yard, ±40' north of a witness post set in a chainlink fence. Elev. 379.30.

EXISTING STRUCTURE:  
SN 083-0042 was originally built in 1923 as Route 1, Section 32-B. It is a single-span reinforced concrete slab bridge that is 28'-0" long inside-face-to-inside-face of closed abutments. It has an out-to-out width of 32'-5". There is a 28 deg. right-forward skew. Feazel Road will be closed during construction.

No salvage.



SECTION A-A

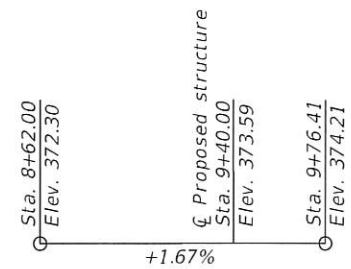
\*Limits of riprap quantity included with SN 083-2018, remainder included with SN 083-7102



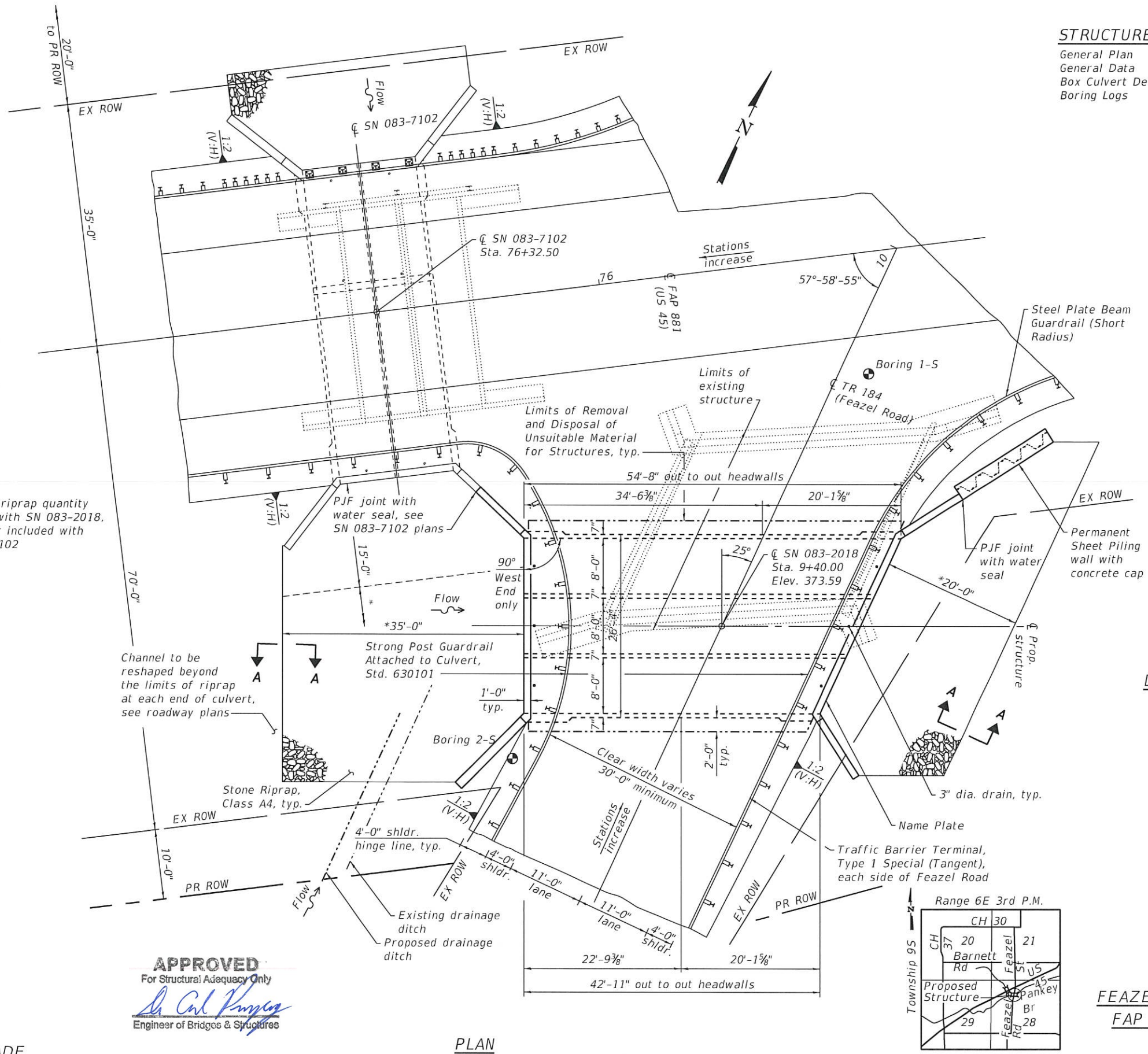
EXPIRES 11-30-20

*Michael T. Dooley*  
SIGNATURE

10-12-20  
DATE



FEAZEL ROAD PROFILE GRADE  
(Along  $\bar{c}$  roadway)



PLAN

APPROVED  
For Structural Adequacy Only  
*Dr. Carl Kumpke*  
Engineer of Bridges & Structures

STRUCTURE INDEX OF SHEETS

General Plan	Sheet No. 1 of 10
General Data	Sheet No. 2 of 10
Box Culvert Details	Sheet No. 3-8 of 10
Boring Logs	Sheet No. 9-10 of 10

DESIGN SPECIFICATIONS

2017 AASHTO LRFD  
Bridge Design Specifications  
8th Edition

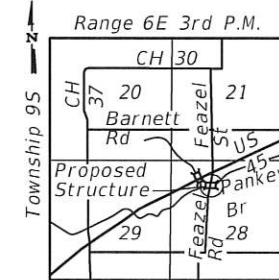
LOADING HL-93

Allow 50 psf for future  
wearing surface

DESIGN STRESSES

FIELD UNITS

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



LOCATION SKETCH

GENERAL PLAN  
FEAZEL ROAD OVER PANKEY BRANCH  
FAP ROUTE 881 - SECTION 32B-3  
SALINE COUNTY  
STATION 9+40.00 FEAZEL RD  
STRUCTURE NO. 083-2018

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

USER NAME = skm	DESIGNED - SMA 05/20	REVISED -
ESCA PROJECT NO. 1295 10	CHECKED - MTD 07/20	REVISED -
PLOT SCALE = 0.1667' / 1 in.	DRAWN - KAH/NHC 07/20	REVISED -
PLOT DATE = 10/9/2020	CHECKED - MTD 07/20	REVISED -

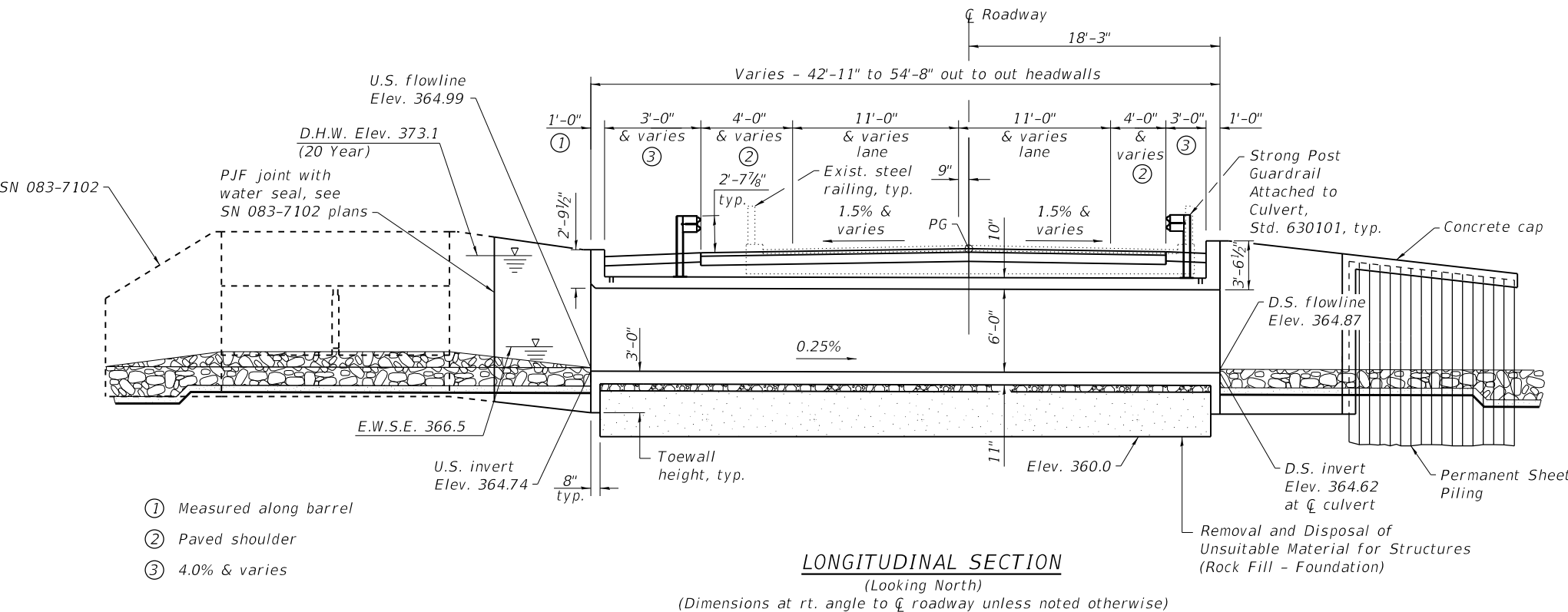
F.A.P. RTE. 881	SECTION 32B-2:32B-3	COUNTY SALINE	TOTAL SHEETS 73	SHEET NO. 48
CONTRACT NO. 78501			ILLINOIS FED. AID PROJECT	





**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.
3. Precast alternate is not allowed.
4. Modify existing channel to match culvert at each end as directed by the Engineer, cost included in the pay item for Stone Riprap, Class A4.
5. Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.



STATION 9+40.00  
 BUILT 20\_\_ BY  
 STATE OF ILLINOIS  
 F.A.P. RT. 881 SEC. 32B-3  
 LOADING HL-93  
 STR. NO. 083-2018

**NAME PLATE**  
 See Std. 515001

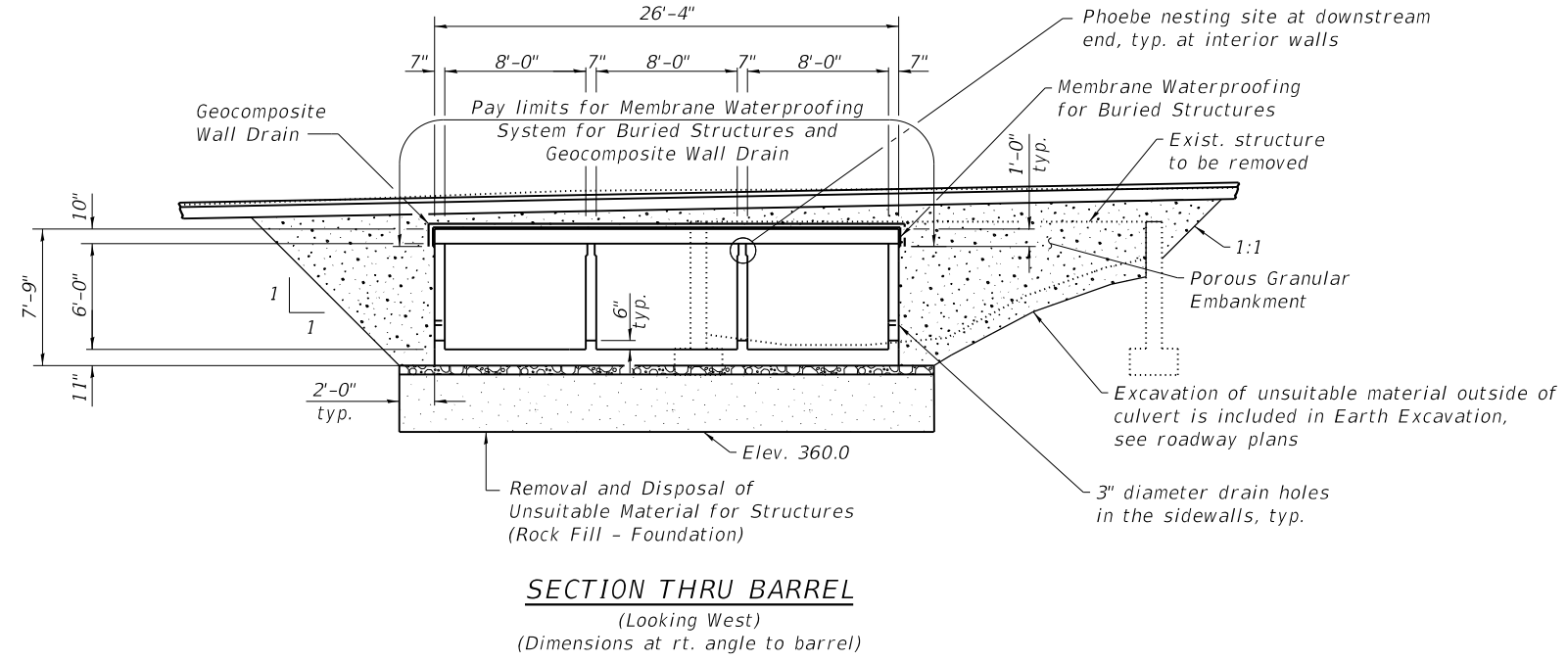
**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Porous Granular Embankment	Cu. Yd.	410
Stone Riprap, Class A4	Sq. Yd.	220
Filter Fabric	Sq. Yd.	220
Removal of Existing Structures No. 1	Each	1
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	201
Reinforcement Bars, Epoxy Coated	Pound	30,590
Name Plates	Each	1
Permanent Sheet Piling	Sq. Ft.	600
Concrete Box Culverts	Cu. Yd.	142.8
Geocomposite Wall Drain	Sq. Yd.	147
Membrane Waterproofing System for Buried Structures	Sq. Yd.	147
Rock Fill - Foundation	Ton	350

See roadway plans for quantities of Earth Excavation and Pavement Removal.  
 Removal of existing steel railing is included with Removal of Existing Structures No. 1.

**Notes:**

The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.  
 Excavation for construction of the box culvert, including the excavation necessary to construct the granular backfill, is included in Earth Excavation, see roadway plans.  
 Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.



**SN 083-2018 WATERWAY INFORMATION**

Drainage Area = 2.9 Sq. Mi.      Exist. Overtopping Elev. 372.30 at Sta. 8+50  
 Prop. Overtopping Elev. 372.30 at Sta. 8+50

Flood	Freq. Yr.	Discharge (C.F.S.)	Waterway Opening (sq. ft.)		Natural H.W.E. (ft.)	Head (ft.)		Headwater Elev. (ft.)	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	1060	134.5	138.0	372.9	0.6	0.2	373.5	373.1
Base	20	1380	134.5	138.0	373.1	0.7	0.2	373.8	373.3
Overtop Existing	50	1740	134.5	138.0	373.3	0.8	0.3	374.1	373.6
Overtop Proposed	3	500	134.5	-	372.3	0.2	-	372.5	-
Max. Calc.	3	500	-	138.0	372.3	-	0.0	-	372.3
	100	2050	134.5	138.0	373.4	0.8	0.3	374.2	373.7

10 Year Velocity through Existing Structure = 3.9 ft/s  
 10 Year Velocity through Proposed Structure = 5.0 ft/s

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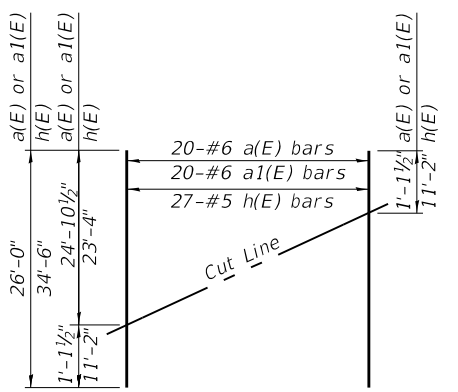
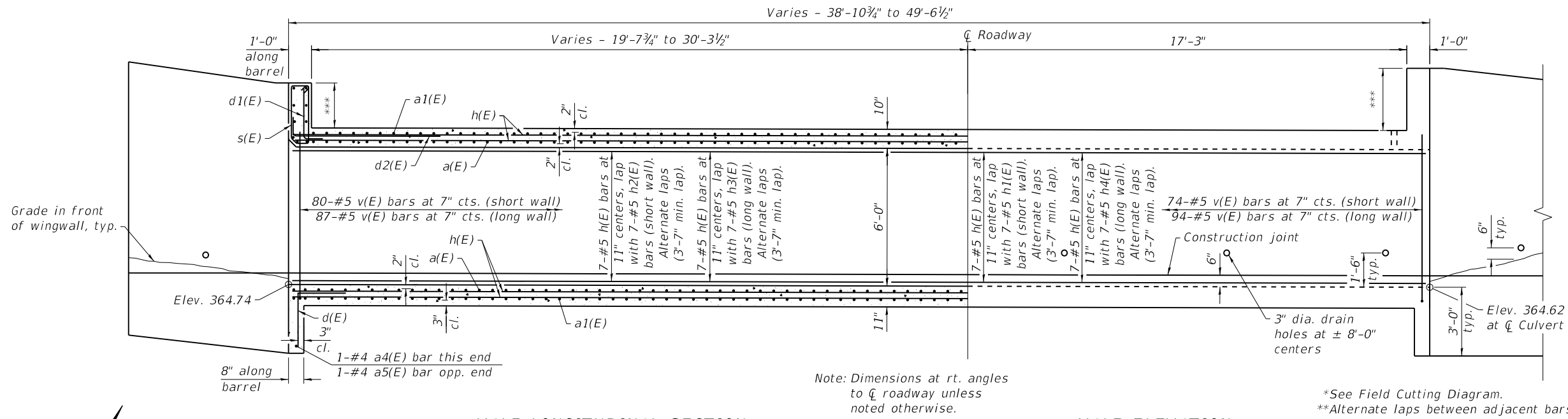


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ESCA PROJECT NO. 1295.10	CHECKED - MTD 07/20	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - KAH/NHC 07/20	REVISED -
PLOT DATE = 12/2/2020	CHECKED - MTD 07/20	REVISED -

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

**GENERAL DATA**  
**STRUCTURE NO. 083-2018**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	49
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



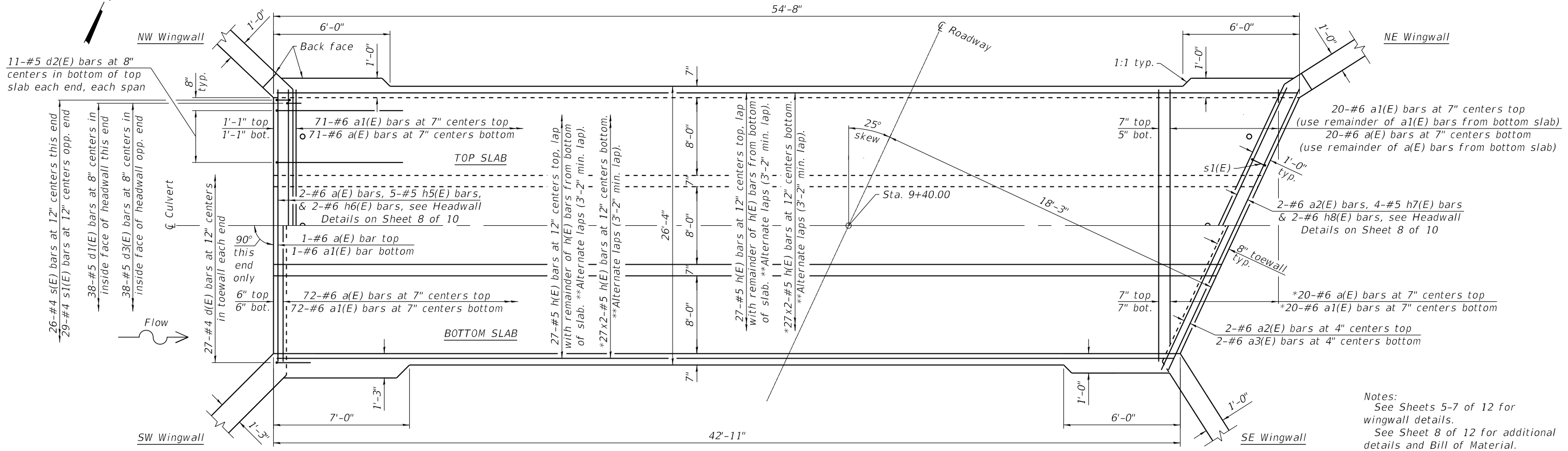
**FIELD CUTTING DIAGRAM**  
 Order a(E), a1(E) and h(E) bars full length. Cut as shown and use remainder of bars as noted in Plan view.

**HALF LONGITUDINAL SECTION**  
 (Showing bars in interior walls)

**HALF ELEVATION**  
 (Showing bars in outside walls)

Note: Dimensions at rt. angles to  $\phi$  roadway unless noted otherwise.

\*See Field Cutting Diagram.  
 \*\*Alternate laps between adjacent bars and between top and bottom mats.  
 \*\*\*See Headwall Details on Sheet 8 of 10.



**SHOWING REINFORCEMENT**

**SHOWING OUTLINES**

**PLAN**

Notes:  
 See Sheets 5-7 of 12 for wingwall details.  
 See Sheet 8 of 12 for additional details and Bill of Material.  
 A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the horizontal cantilever wingwalls.

(Sheet 1 of 6)

MODEL: PLOT  
 FILE NAME: Y:\DOT\1295-10\_78501\CADD\SP\_SN\_083-2018\0832018-78501-03-CulvertDwg.dgn



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ESCA PROJECT NO. 1295.10	CHECKED - MTD 07/20	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - KAH/NHC 07/20	REVISED -
PLOT DATE = 10/9/2020	CHECKED - MTD 07/20	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

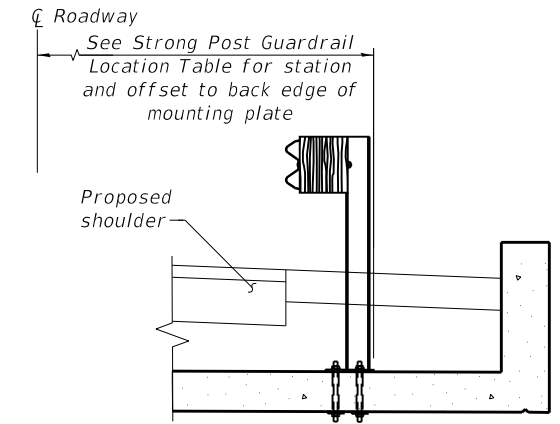
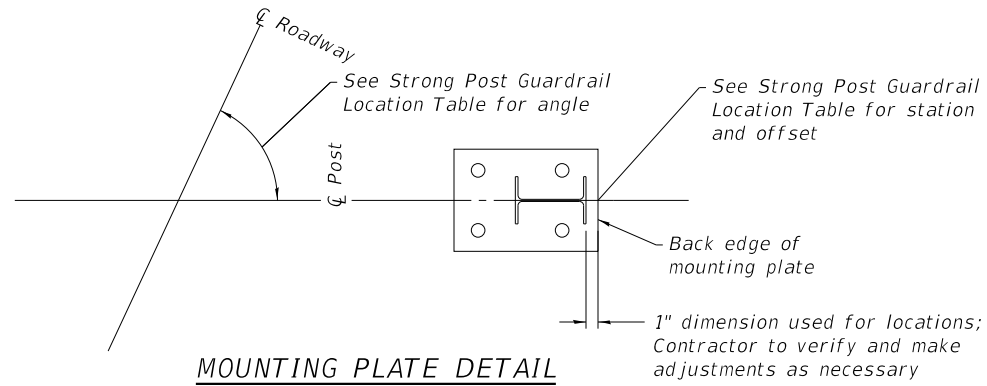
**BOX CULVERT DETAILS  
 STRUCTURE NO. 083-2018**

SHEET 3 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	50
CONTRACT NO. 78501				
ILLINOIS		FED. AID PROJECT		

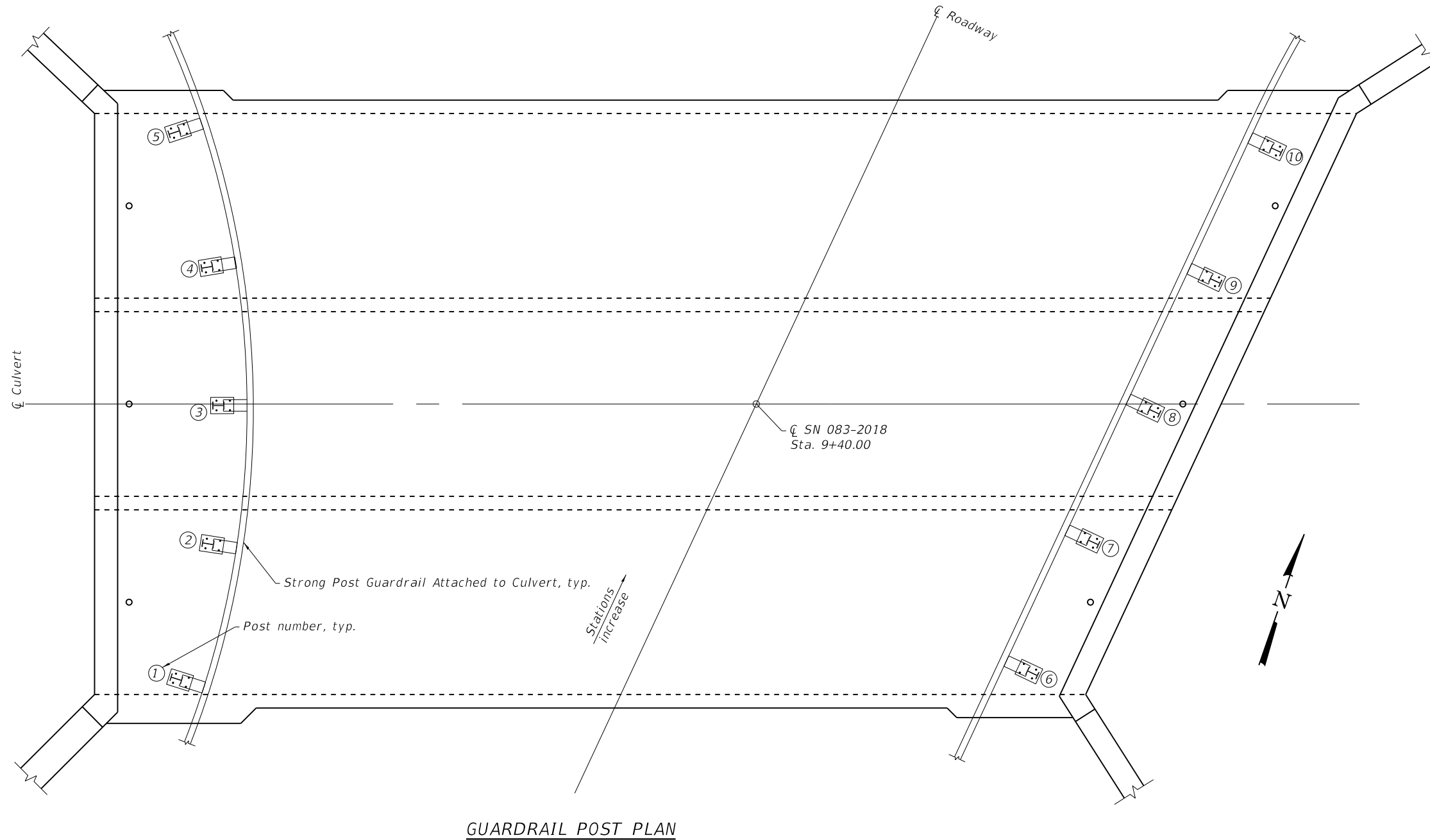
**STRONG POST GUARDRAIL  
LOCATION TABLE**

POST NO.	STATION	OFFSET	ANGLE
1	9+18.55	18.06' LT	82.6724°
2	9+24.38	19.28' LT	73.7199°
3	9+29.95	21.39' LT	64.7674°
4	9+35.13	24.34' LT	55.8150°
5	9+39.78	28.06' LT	46.8625°
6	9+34.48	16.10' RT	90.0000°
7	9+40.73	16.10' RT	90.0000°
8	9+46.98	16.10' RT	90.0000°
9	9+53.23	16.10' RT	90.0000°
10	9+59.48	16.10' RT	90.0000°



**STRONG POST GUARDRAIL  
ATTACHED TO CULVERT DETAIL**

See Std. 630101 for mounting plate and anchor rod details.  
Space reinforcement to miss anchor rods.



**GUARDRAIL POST PLAN**

(Sheet 2 of 6)

MODEL: PLOT  
FILE NAME: Y:\IDOT\1295-10\_78501\CADD\SP\_SN\_083-2018\0832018-78501-04-CulvertDtl.dgn



USER NAME = skm	DESIGNED - SMA 06/20	REVISED -
ESCA PROJECT NO. 1295.10	CHECKED - MTD 07/20	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - KAH/NHC 07/20	REVISED -
PLOT DATE = 10/9/2020	CHECKED - MTD 07/20	REVISED -

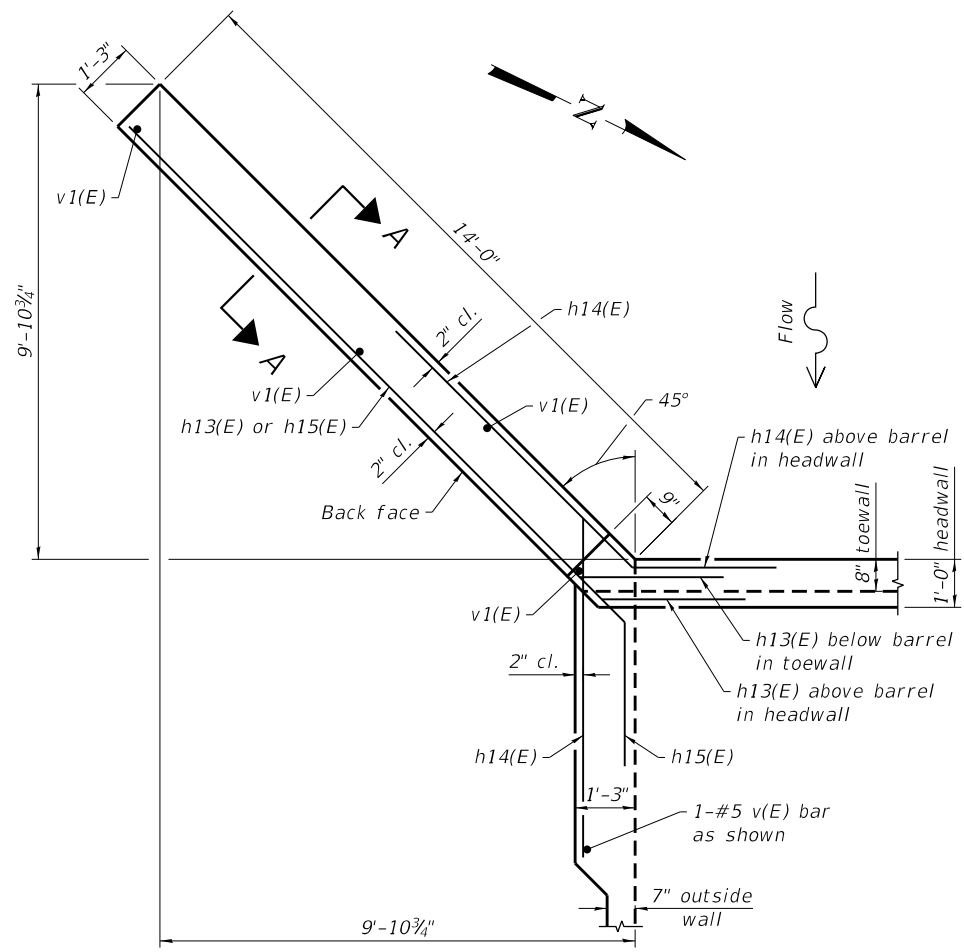
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT DETAILS  
STRUCTURE NO. 083-2018**

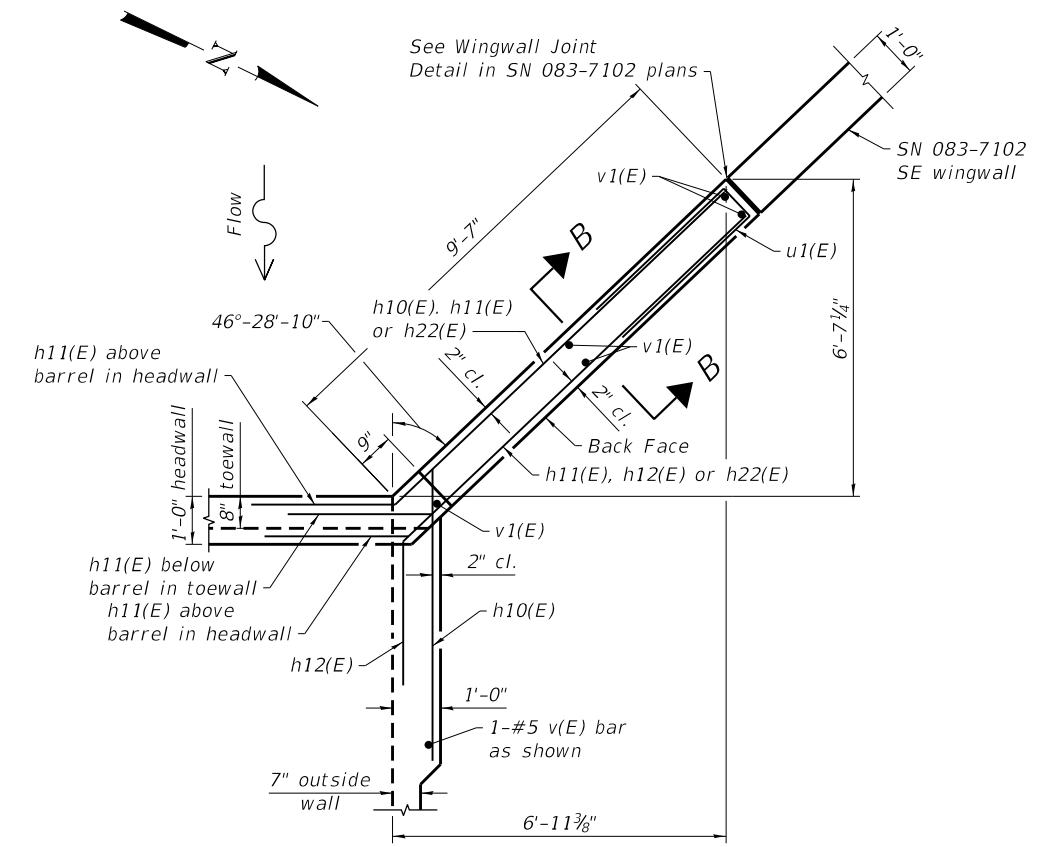
SHEET 4 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	51
CONTRACT NO. 78501				

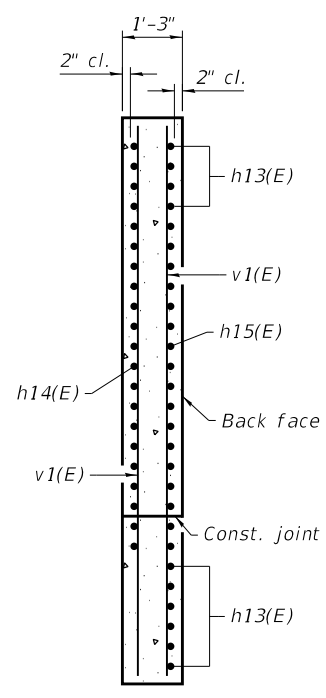
ILLINOIS FED. AID PROJECT



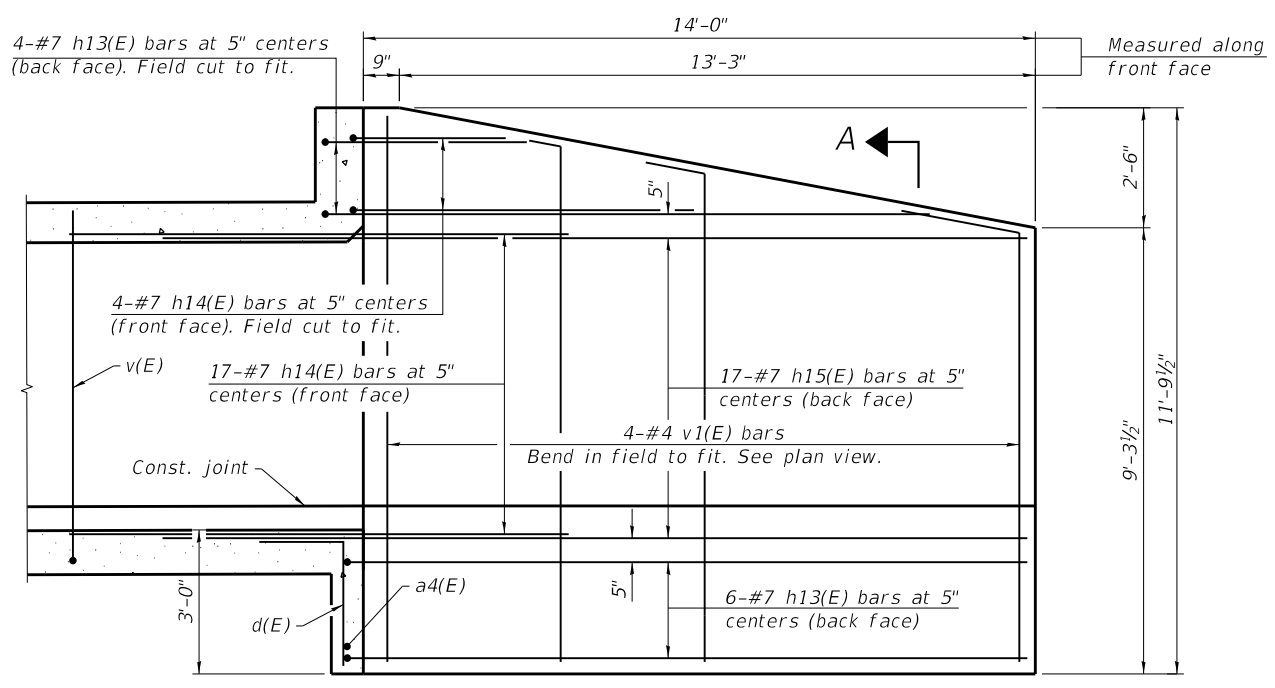
**SOUTHWEST WINGWALL PLAN**



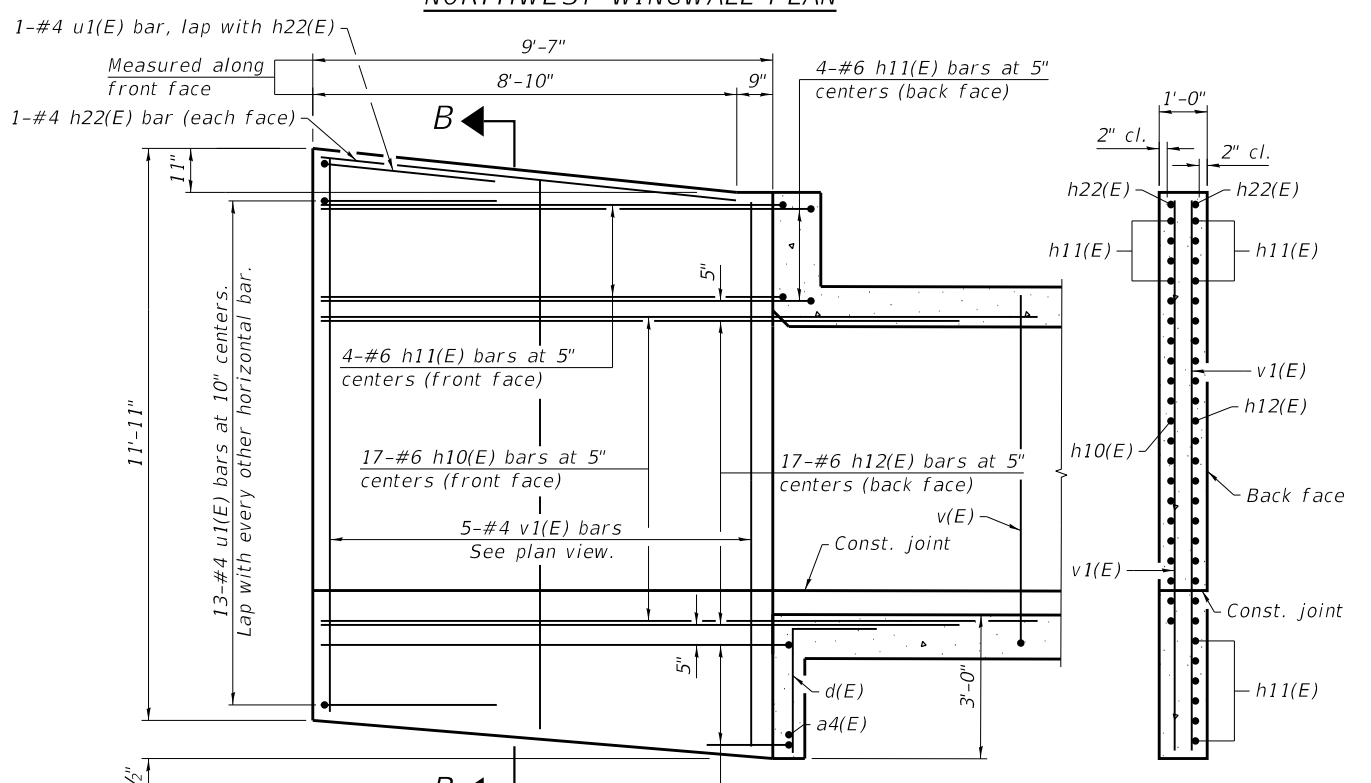
**NORTHWEST WINGWALL PLAN**



**SECTION A-A**



**SOUTHWEST WINGWALL ELEVATION**



**NORTHWEST WINGWALL ELEVATION**

**SECTION B-B**

(Sheet 3 of 6)

MODEL: PLOT  
 FILE NAME: Y:\IDOT\1295-10\_78501\CADD\SP\_SN\_083-2018\0832018-78501-05-CulvertDtls.dgn



USER NAME = skm
ESCA PROJECT NO. 1295.10
PLOT SCALE = 0:2" / in.
PLOT DATE = 10/9/2020

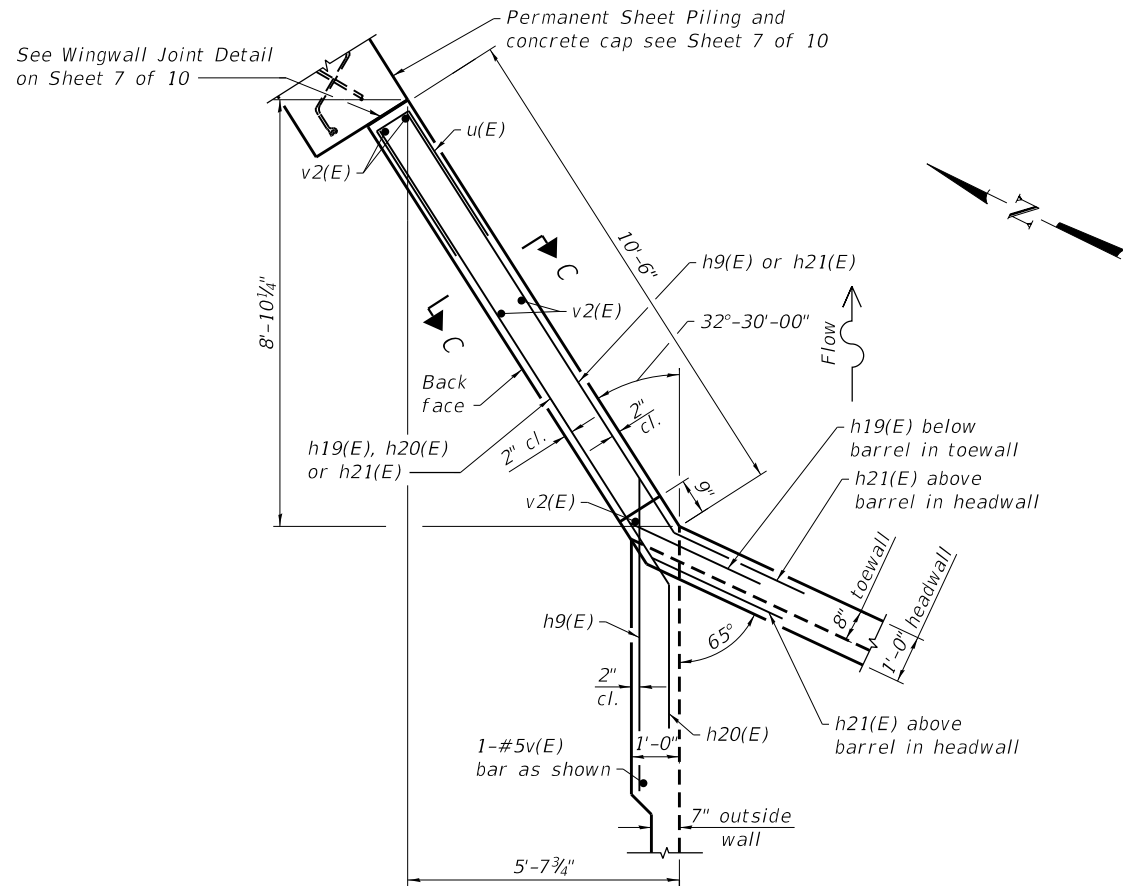
DESIGNED - SMA 06/20	REVISED -
CHECKED - MTD 07/20	REVISED -
DRAWN - KAH/NHC 07/20	REVISED -
CHECKED - MTD 07/20	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

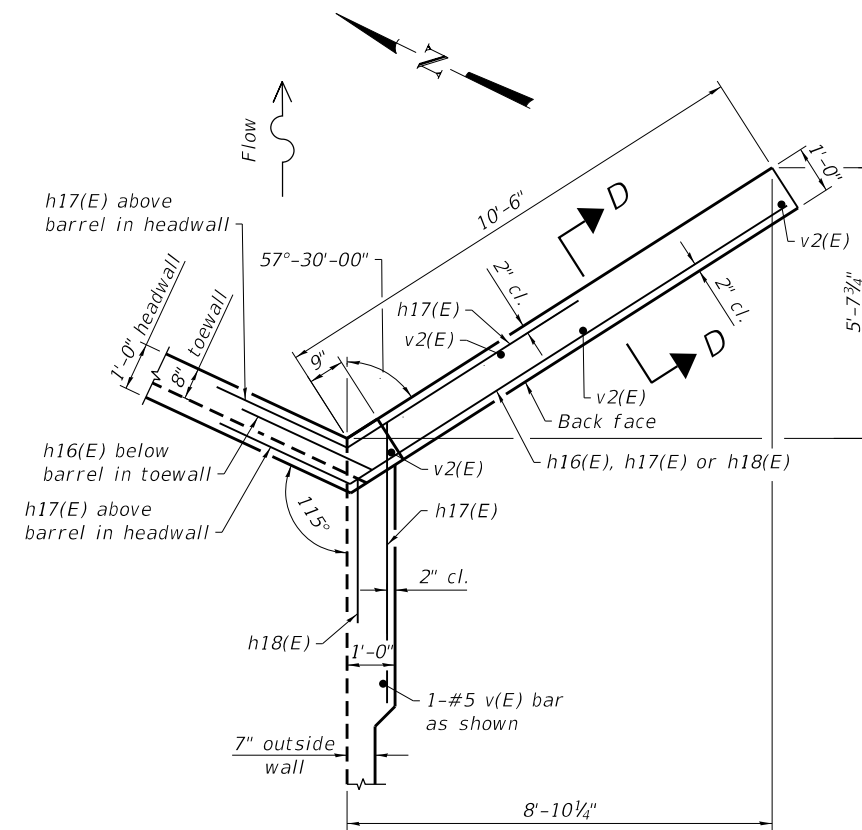
**BOX CULVERT DETAILS  
STRUCTURE NO. 083-2018**

SHEET 5 OF 10 SHEETS

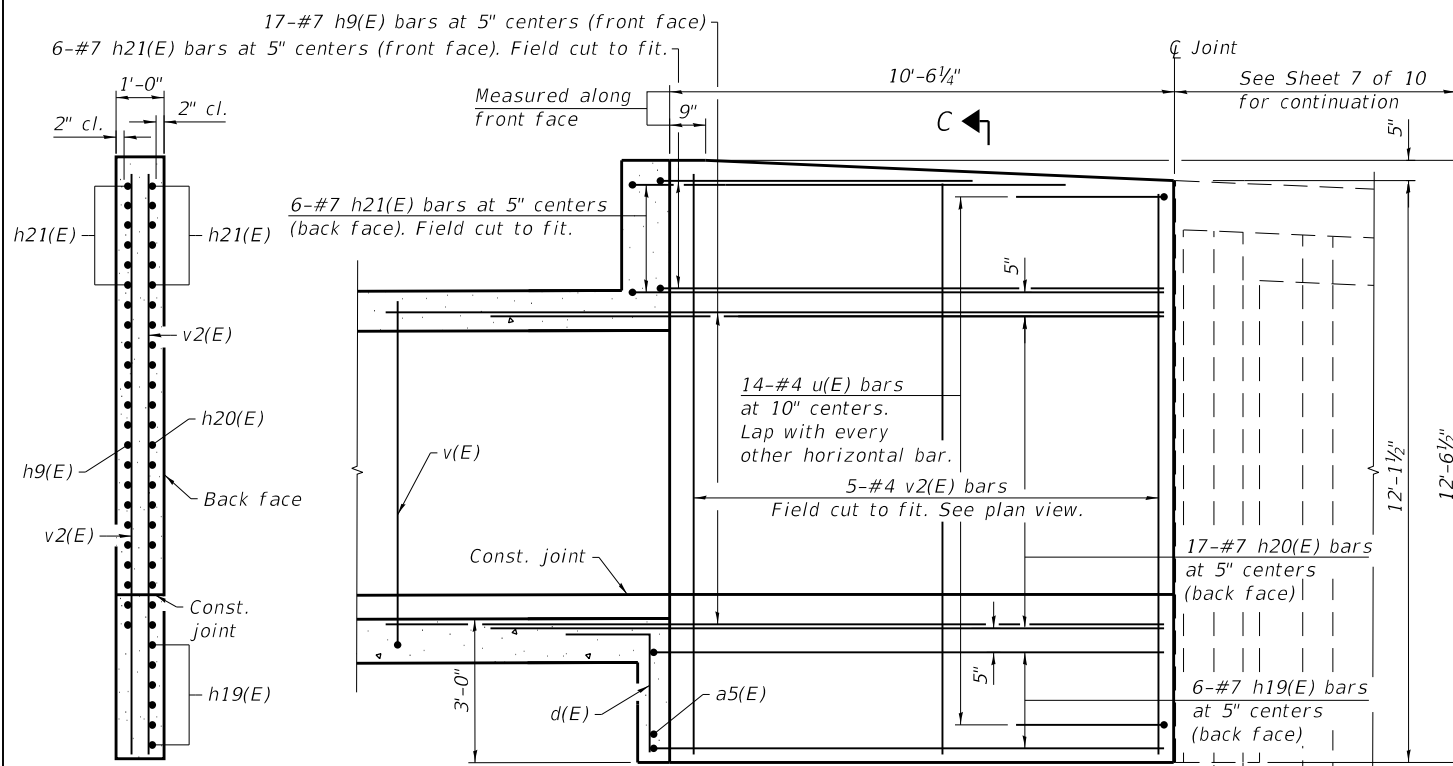
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	52
CONTRACT NO. 78501				
ILLINOIS / FED. AID PROJECT				



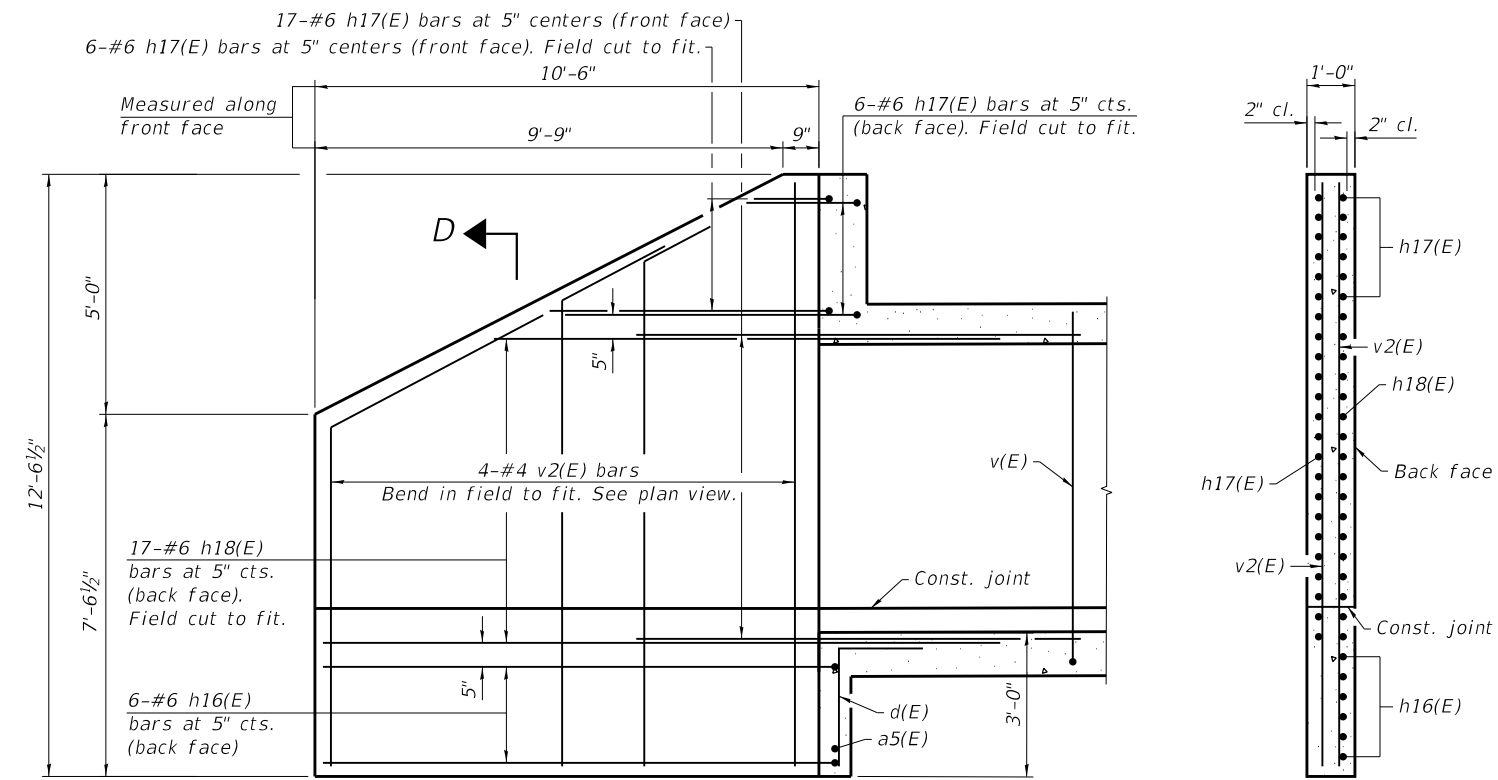
NORTHEAST WINGWALL PARTIAL PLAN



SOUTHEAST WINGWALL PLAN



NORTHEAST WINGWALL PARTIAL ELEVATION



SOUTHEAST WINGWALL ELEVATION

(Sheet 4 of 6)

MODEL: PLOT  
FILE NAME: Y:\IDOT\1295-10\_78501\CADD\SP\_SN\_083-2018\0832018-78501-06-CulvertDis.dgn



USER NAME = skm	DESIGNED - SMA 06/20	REVISED -
ESCA PROJECT NO. 1295.10	CHECKED - MTD 07/20	REVISED -
PLOT SCALE = 0:2 1/4" / in.	DRAWN - KAH/NHC 07/20	REVISED -
PLOT DATE = 10/9/2020	CHECKED - MTD 07/20	REVISED -

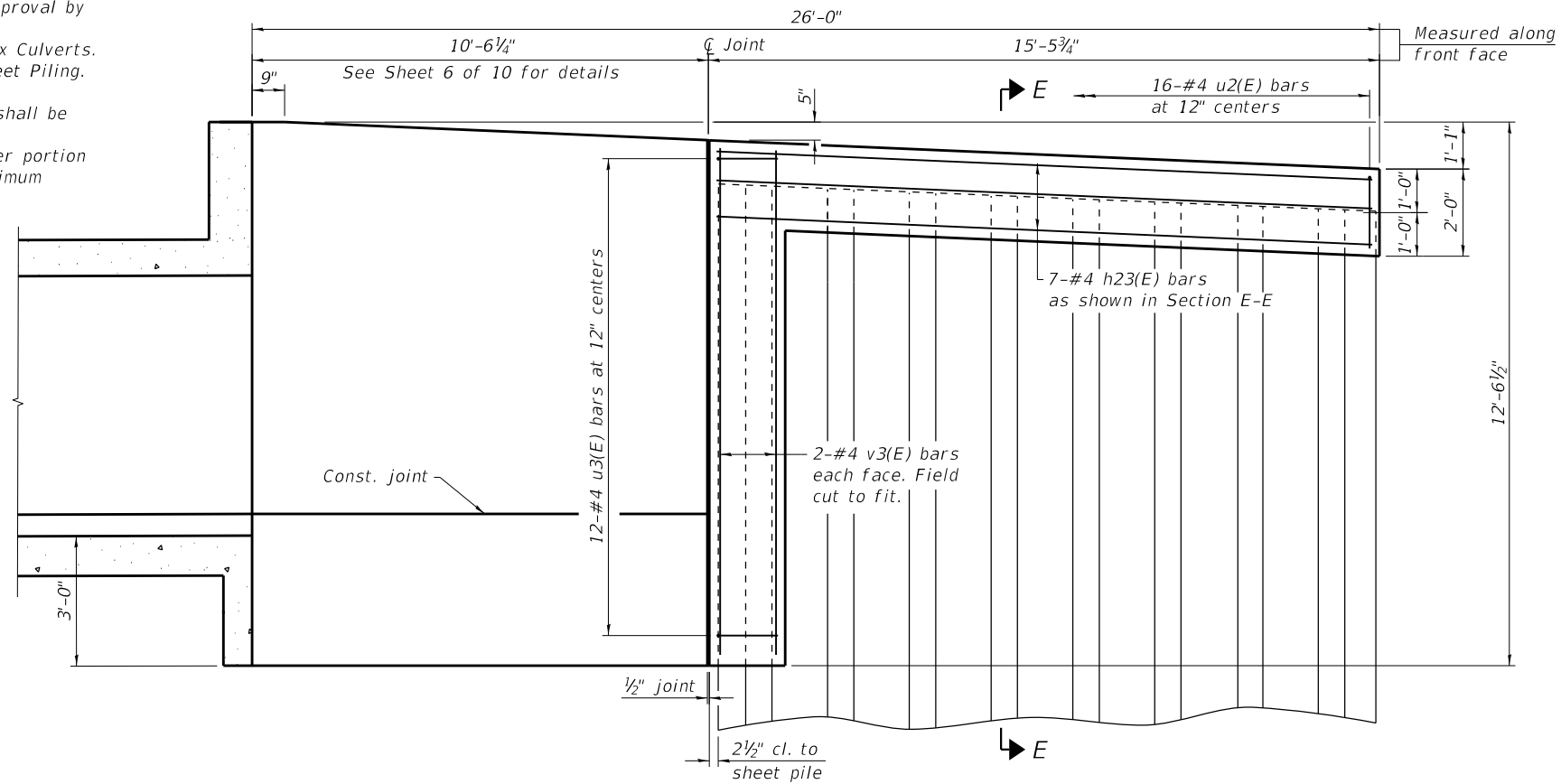
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BOX CULVERT DETAILS  
STRUCTURE NO. 083-2018

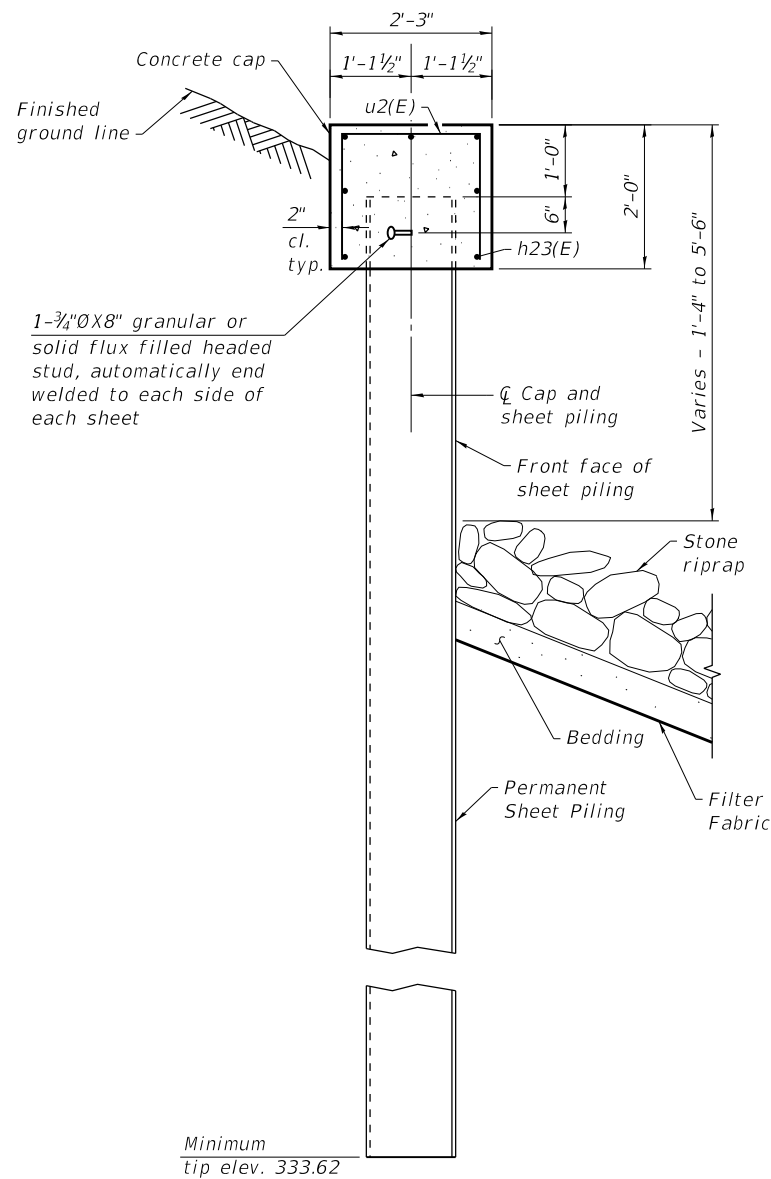
SHEET 6 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	53
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

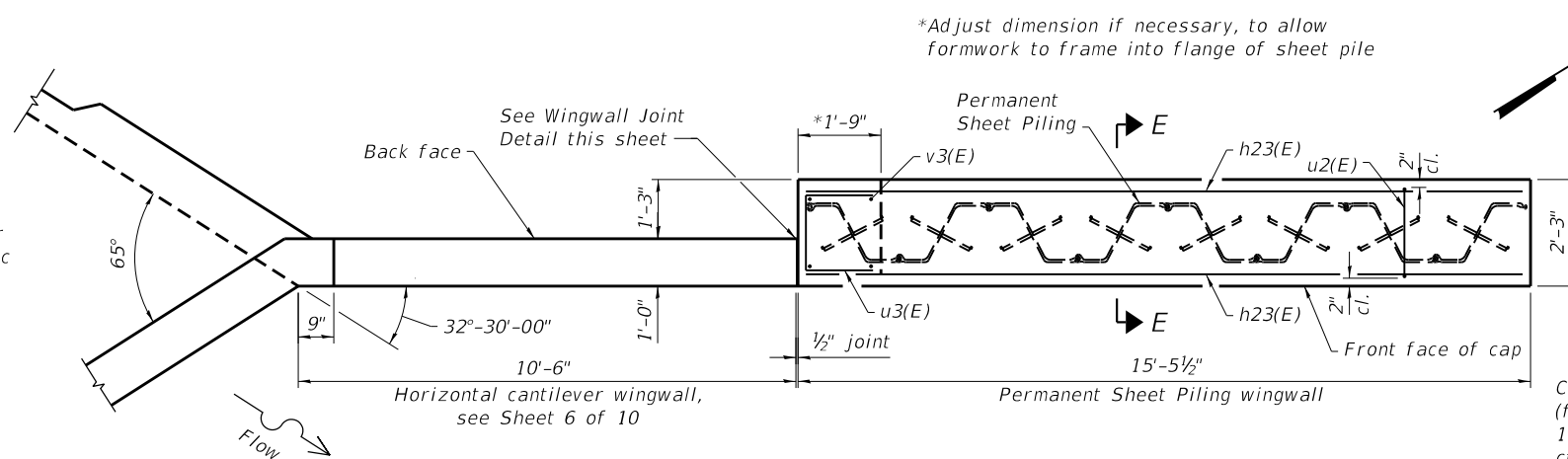
Notes:  
 The details for the concrete cap and reinforcement are based on section PZ 35 sheet piling. If the Contractor chooses to use a different sheet pile section, then the Contractor shall submit revised concrete cap and reinforcement details for approval by the Engineer. Such changes shall not be cause for additional compensation.  
 The quantity of concrete for the sheet piling cap is included in Concrete Box Culverts. The cost of furnishing and installing the studs is included in Permanent Sheet Piling. For details of reinforcement bars and Bill of Material, see Sheet 8 of 10.  
 The minimum effective section modulus of the permanent steel sheet piling shall be 33.4 in<sup>3</sup>/ft.  
 Sheet piling shall not be driven until the concrete in the horizontal cantilever portion of the wingwall has attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3500 psi.



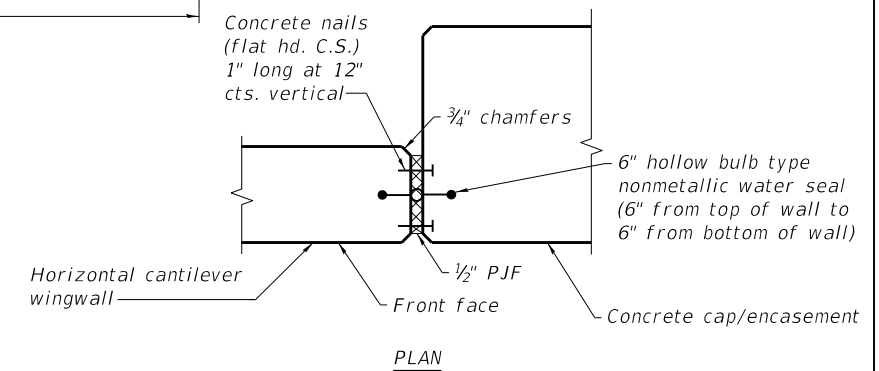
NORTHEAST WINGWALL ELEVATION



SECTION E-E



NORTHEAST WINGWALL PLAN



WINGWALL JOINT DETAIL

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

(Sheet 5 of 6)

MODEL: PLOT  
 FILE NAME: Y:\DOT\1295-10\_78501\CADD\SP\_SN\_083-2018\0832018-78501-07-CulvertDtls.dgn



USER NAME = skm	DESIGNED - ELH 03/20	REVISED -
ESCA PROJECT NO. 1295.10	CHECKED - SMA 07/20	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - KAH/NHC 07/20	REVISED -
PLOT DATE = 10/9/2020	CHECKED - MTD 07/20	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

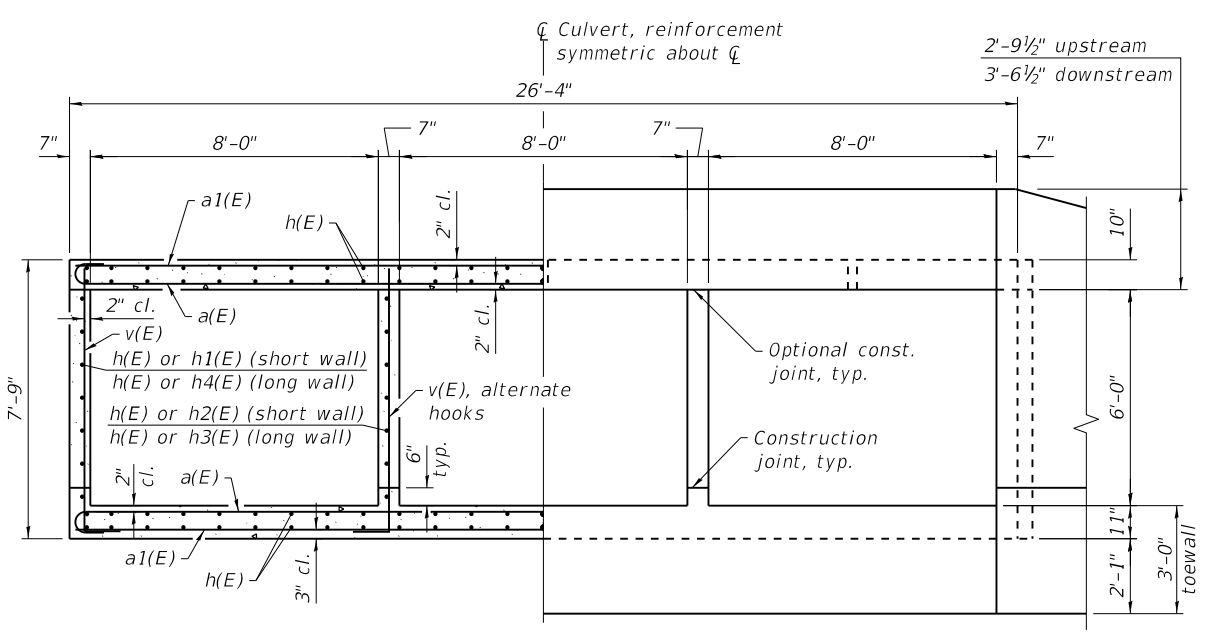
BOX CULVERT DETAILS  
 STRUCTURE NO. 083-2018

SHEET 7 OF 10 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	54
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

**BILL OF MATERIAL**

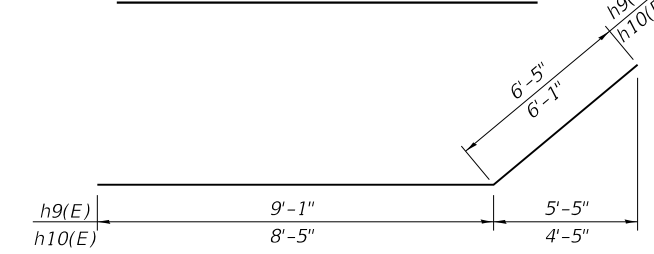
Bar	No.	Size	Length	Shape
a1(E)	166	#6	27'-4"	U
a1(E)	164	#6	26'-0"	U
a2(E)	4	#6	30'-2"	U
a3(E)	2	#6	29'-7"	U
a4(E)	1	#4	27'-0"	U
a5(E)	1	#4	29'-5"	U
d(E)	54	#4	4'-4"	J
d1(E)	38	#5	3'-2"	J
d2(E)	66	#5	7'-4"	J
d3(E)	38	#5	3'-10"	J
h(E)	190	#5	34'-6"	—
h1(E)	7	#5	11'-7"	—
h2(E)	7	#5	15'-7"	—
h3(E)	7	#5	19'-7"	—
h4(E)	7	#5	23'-7"	—
h5(E)	5	#5	26'-2"	—
h6(E)	2	#6	26'-2"	—
h7(E)	4	#5	28'-5"	—
h8(E)	2	#6	28'-5"	—
h9(E)	17	#7	15'-6"	—
h10(E)	17	#6	14'-6"	—
h11(E)	14	#6	12'-1"	—
h12(E)	17	#6	12'-10"	—
h13(E)	10	#7	16'-3"	—
h14(E)	21	#7	10'-0"	—
h15(E)	17	#7	17'-5"	—
h16(E)	6	#6	13'-2"	—
h17(E)	29	#6	8'-9"	—
h18(E)	17	#6	13'-6"	—
h19(E)	6	#7	12'-8"	—
h20(E)	17	#7	14'-1"	—
h21(E)	12	#7	13'-5"	—
h22(E)	2	#4	9'-6"	—
h23(E)	7	#4	15'-1"	—
s(E)	26	#4	7'-2"	D
s1(E)	29	#4	8'-10"	D
u(E)	14	#4	6'-10"	U
u1(E)	14	#4	8'-0"	U
u2(E)	16	#4	5'-3"	U
u3(E)	12	#4	4'-8"	U
v(E)	339	#5	8'-2"	J
v1(E)	9	#4	11'-5"	—
v2(E)	9	#4	12'-1"	—
v3(E)	4	#4	11'-8"	—
Concrete Box Culverts		Cu. Yd.	142.8	
Permanent Sheet Piling		Sq. Ft.	600	
Reinforcement Bars, Epoxy Coated		Pound	30,590	



**BARREL DETAILS**  
(Dimensions at rt. angle to barrel)

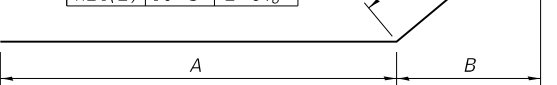
BAR	A	B
d(E)	1'-9"	2'-7"
d1(E)	10"	2'-4"
d2(E)	10"	6'-6"
d3(E)	10"	3'-0"
v(E)	10"	7'-4"

**BARS d(E) THRU d3(E) & v(E)**

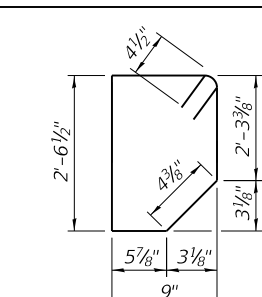


**BARS h9(E) & h10(E)**

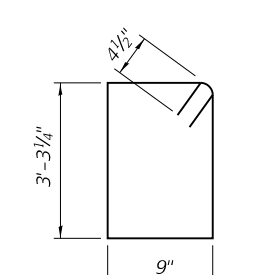
BAR	A	B
h11(E)	9'-1"	2'-0 <sup>3</sup> / <sub>4</sub> "
h12(E)	9'-10"	2'-2 <sup>1</sup> / <sub>8</sub> "
h13(E)	13'-3"	2'-1 <sup>1</sup> / <sub>2</sub> "
h14(E)	7'-0"	2'-1 <sup>1</sup> / <sub>2</sub> "
h15(E)	14'-5"	2'-1 <sup>1</sup> / <sub>2</sub> "
h16(E)	10'-2"	1'-7 <sup>3</sup> / <sub>8</sub> "
h17(E)	5'-9"	1'-7 <sup>3</sup> / <sub>8</sub> "
h18(E)	10'-6"	1'-7 <sup>3</sup> / <sub>8</sub> "
h19(E)	9'-8"	2'-6 <sup>3</sup> / <sub>8</sub> "
h20(E)	11'-1"	2'-6 <sup>3</sup> / <sub>8</sub> "
h21(E)	10'-5"	2'-6 <sup>3</sup> / <sub>8</sub> "



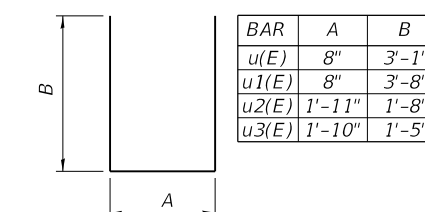
**BARS h11(E) THRU h21(E)**



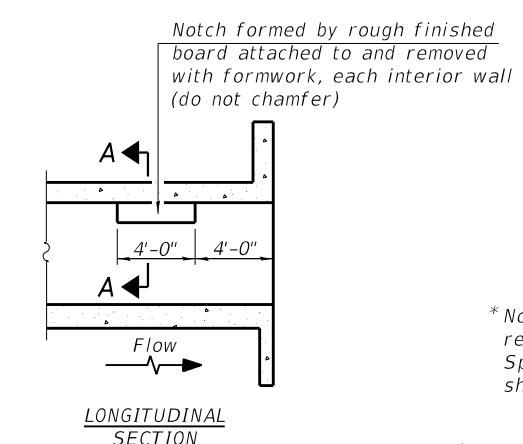
**BAR s(E)**



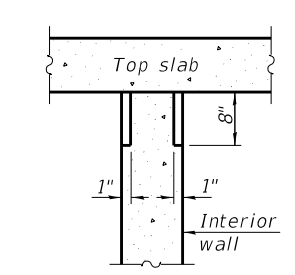
**BAR s1(E)**



**BARS u(E) THRU u3(E)**

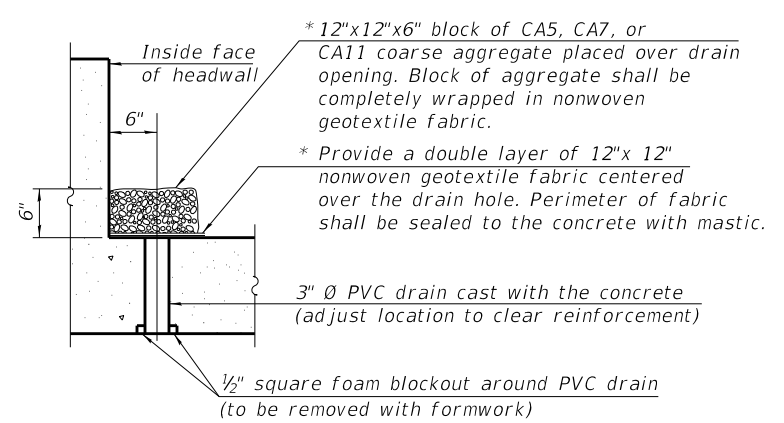


**LONGITUDINAL SECTION**



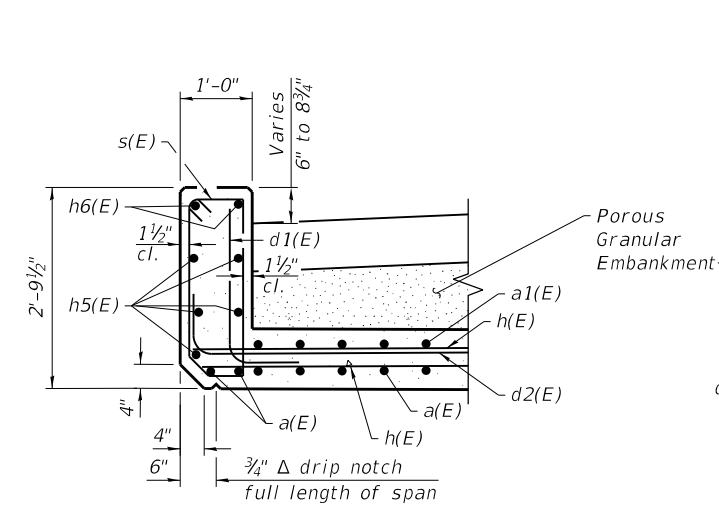
**SECTION A-A**

\* 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.

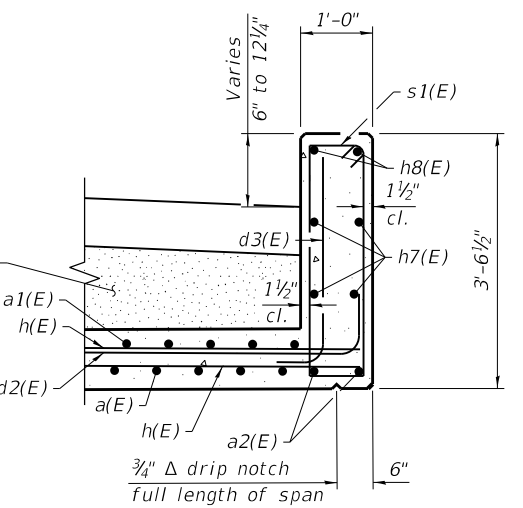


**DRAIN DETAIL**

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.  
One drain required at the center of each span at each headwall.



**AT UPSTREAM END**



**AT DOWNSTREAM END**

**HEADWALL DETAILS**

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

(Sheet 6 of 6)

MODEL: PLOT  
FILE NAME: Y:\IDOT\1295-10\_78501\CADD\SP\_SN\_083-2018\0832018-78501-08-CulvertDns.dgn



USER NAME	DESIGNED	REVISIONS
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ESCA PROJECT NO. 1295.10	MTD 07/20	-
PLOT SCALE = 0.1667' / in.	KAH/NHC 07/20	-
PLOT DATE = 10/9/2020	MTD 07/20	-

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT DETAILS STRUCTURE NO. 083-2018**

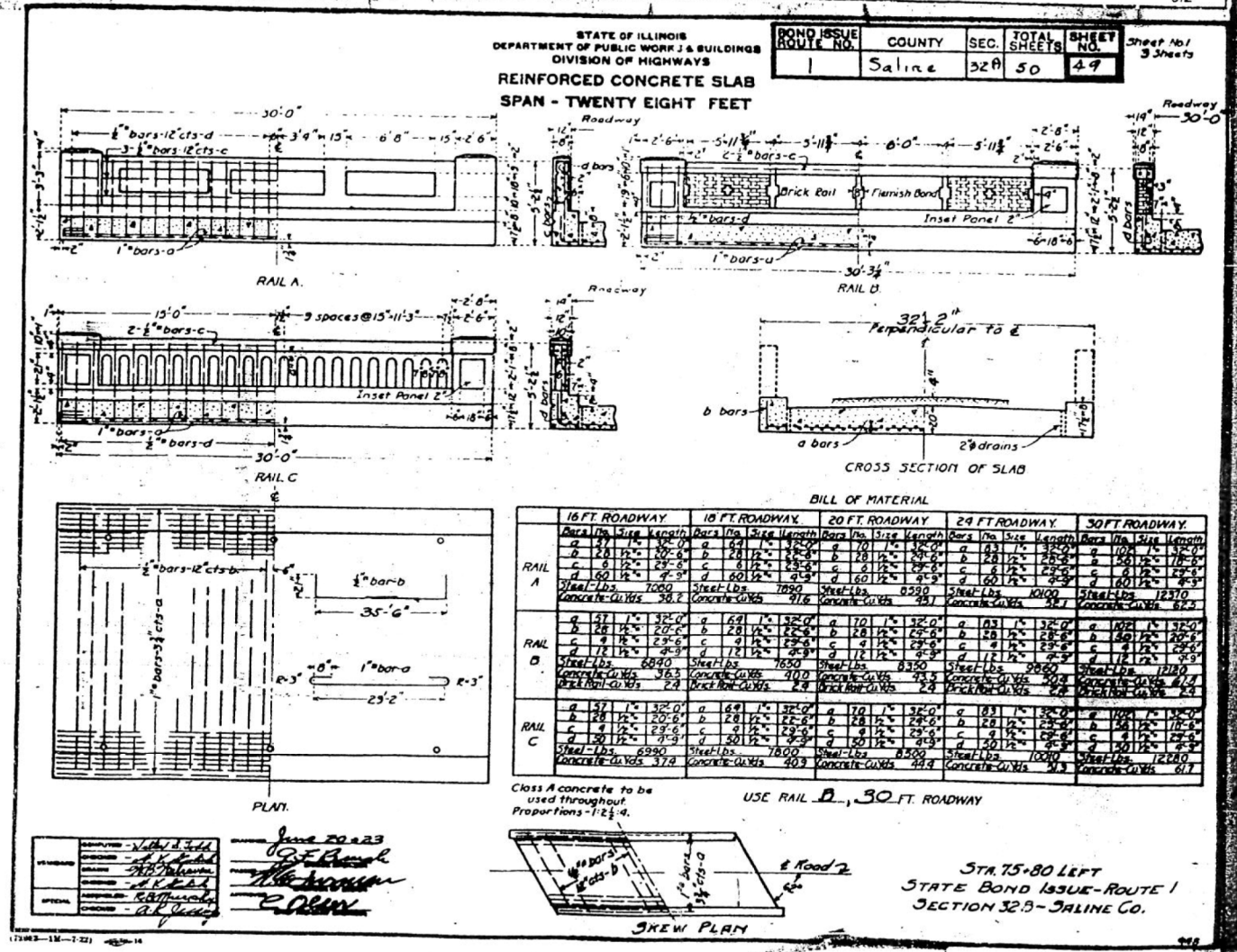
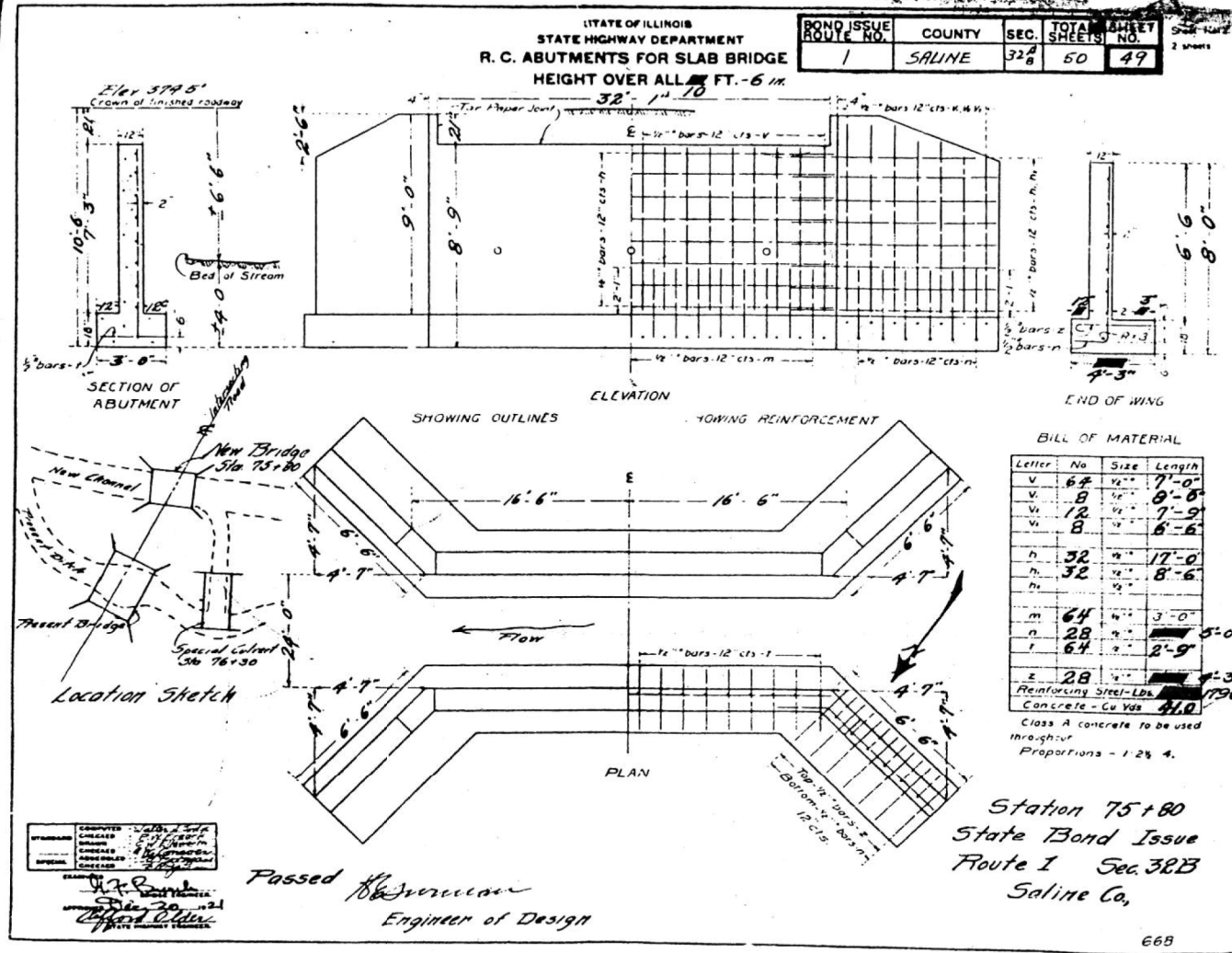
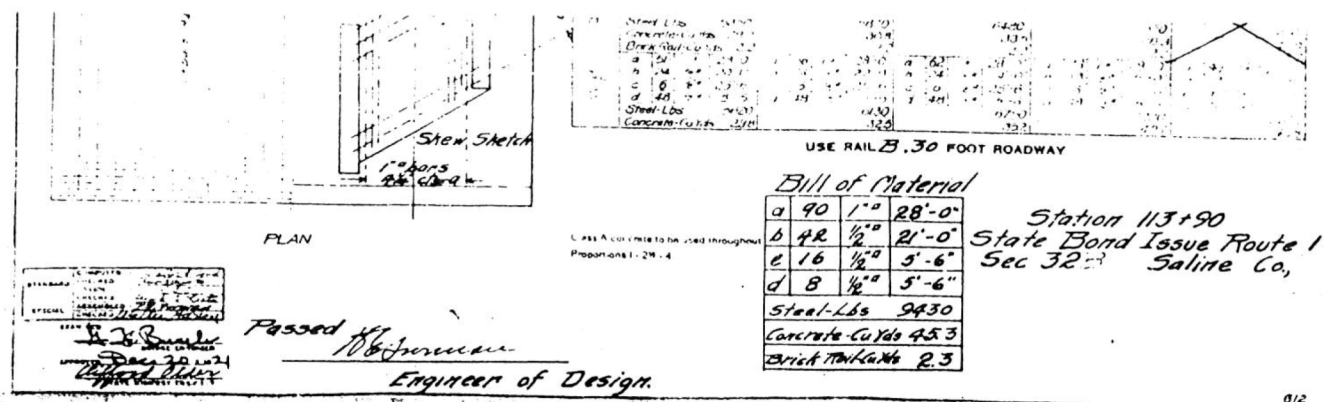
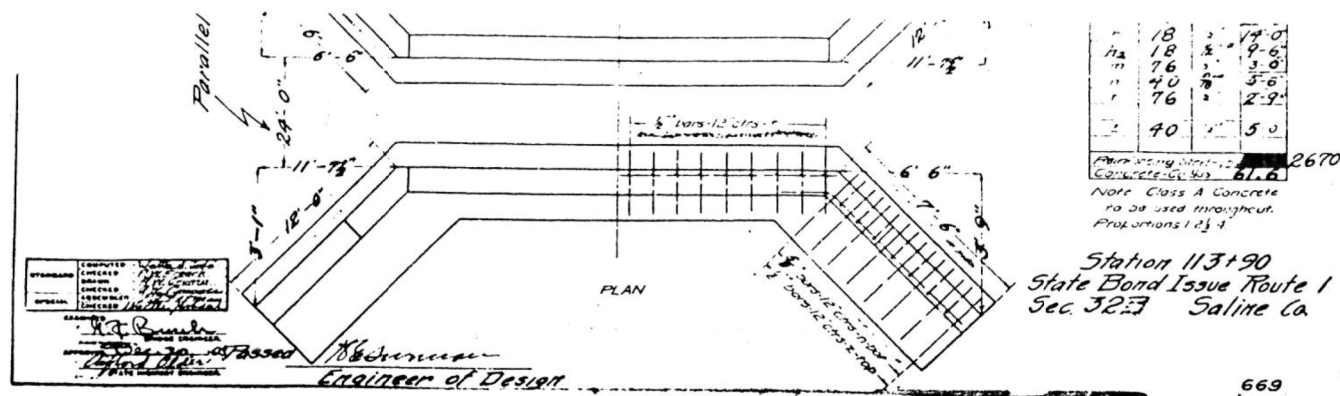
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	55
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

SHEET 8 OF 10 SHEETS









093-0042

MODEL: PLOT  
FILE: NAME: Y:\DOT11295-10\_78501\CADD\Highway\CADD\_Sheets\093042\101.dgn



USER NAME	= skm	DESIGNED	- SKM	REVISED	-
ESCA PROJECT NO.	1295.10	DRAWN	- SKM	REVISED	-
PLOT SCALE	= 0.1667' / in.	CHECKED	- ELH	REVISED	-
PLOT DATE	= 10/9/2020	DATE	- 06/20	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SN 083-0042 EXISTING STRUCTURE PLANS  
FOR INFORMATION ONLY

SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.

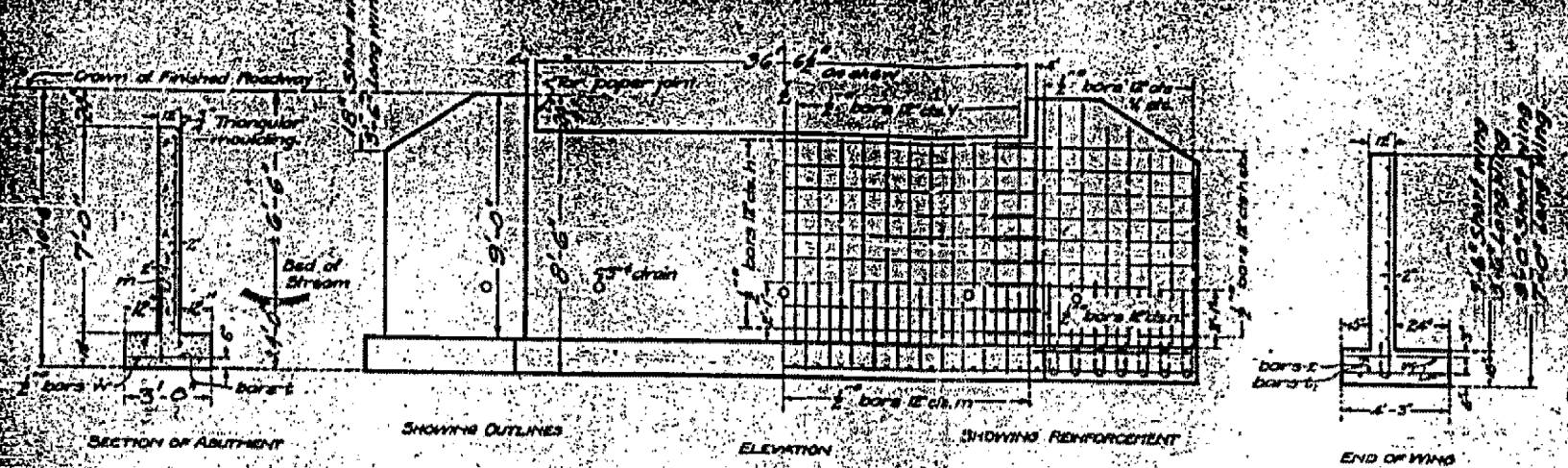
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	58
CONTRACT NO. 78501				
ILLINOIS		FED. AID PROJECT		

See Road Plans  
Removal of Existing Structure  
not included in this Contract

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

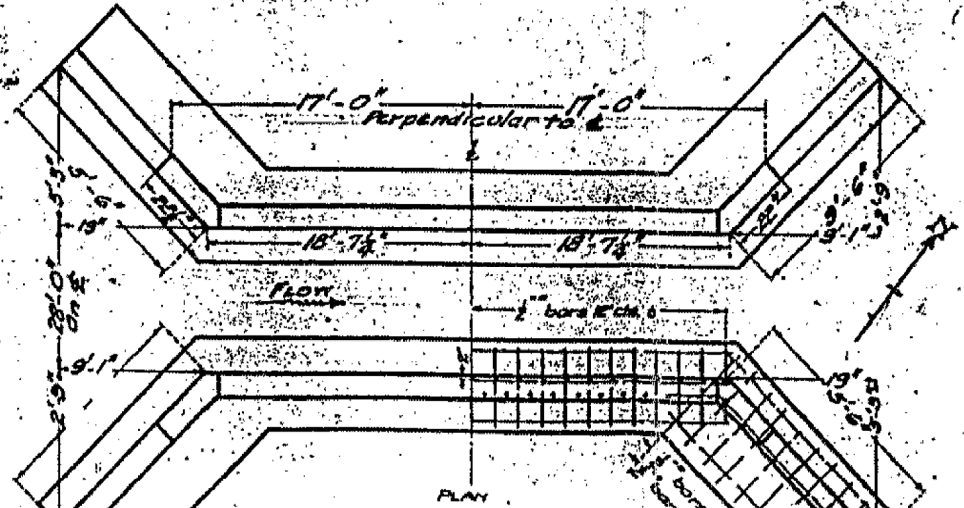
BOND ISSUE	COUNTY	SECTION	TOTAL SHEETS	SHEET NO.
ROUTE 1	SALINE	32B	73	59

R.C. ABUTMENTS FOR SLAB BRIDGE  
HEIGHT OVER ALL TO FEET 6 IN.



Class A concrete shall be used throughout  
Proportions 1:2:4  
All reinforcing steel shall be securely wired in place before concrete is poured.

Note:  
3#-3 1/2-3 1/2-4# & 7# bars in each long wing  
3#-2 1/2-4# & 7 1/2# bars in each short wing.



BILL OF MATERIAL

Bars	No.	Size	Length
V	7A	3/4"	6'-0"
W	12	1/2"	8'-6"
Y	10	1/2"	7'-0"
X	6	1/2"	5'-6"
H	2B	1/2"	18'-6"
I	1A	1/2"	11'-6"
J	2B	1/2"	4'-0"
K	7A	1/2"	21'-0"
L	3B	1/2"	4'-0"
Z	3B	1/2"	4'-0"
W	8	1/2"	18'-0"
M	7A	1/2"	5'-6"
N	1A	1/2"	7'-0"
O	3B	1/2"	18'-0"
Concrete	CUYLS	ALB	
Steel-Lbs.			2000

DESIGNED	-	MR. DILLI
DRAWN	-	MR. BISHOP
CHECKED	-	MR. P. J.
APPROVED	-	MR. P. J.
SPECIAL	-	MR. P. J.

Prepared by  
*John B. 223*  
*G. F. Bunch*  
Checked by  
*Oliver*  
Engineer of Design

STA 75+80 LEFT  
STATE BOND ISSUE-ROUTE 1  
SECTION 32B-SALINE CO.

976

MODEL\_PLOT  
FILE NAME: Y:\DOT\1295-10\_78501\CADD\Highway\CADD\_Sheets\0978501-rlt-rem-102.dwg



USER NAME = skm  
ESCA PROJECT NO. 1295.10  
PLOT SCALE = 0.1667' / in.  
PLOT DATE = 10/9/2020

DESIGNED - SKM  
DRAWN - SKM  
CHECKED - ELH  
DATE - 06/20

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SN 083-0042 EXISTING STRUCTURE PLANS  
FOR INFORMATION ONLY

SCALE: NA SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	59
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

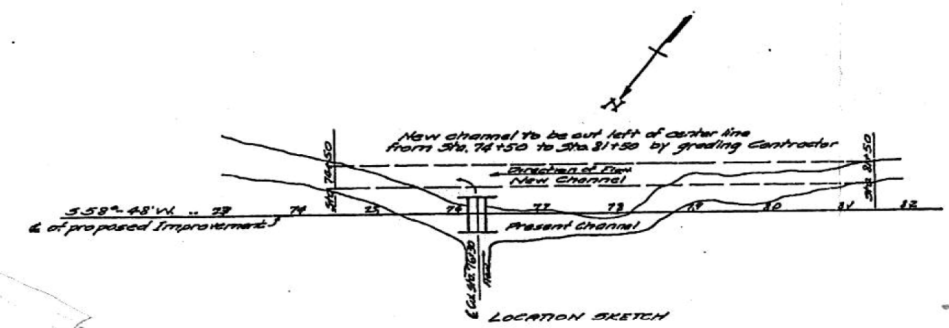
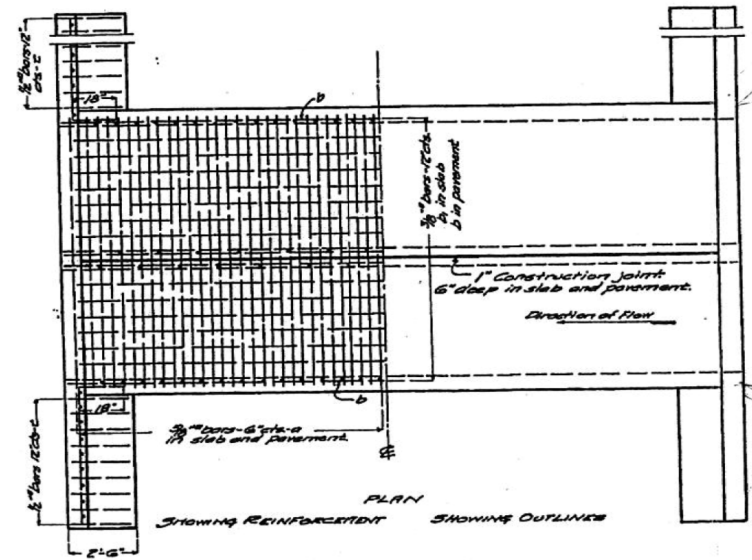
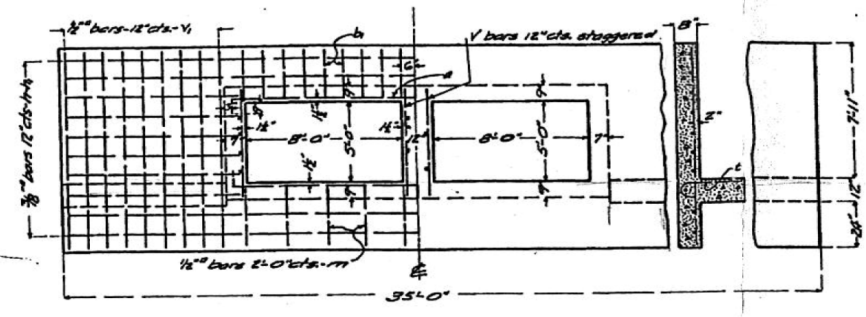
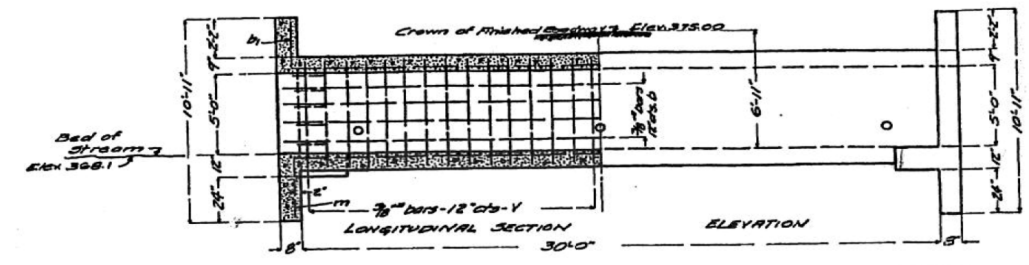


083-7067 ORIGINAL

ROUTE NO.	COUNTY	SEC.	SHEET NO.	TOTAL SHEETS
1	SALINE	32B	50	48

B.M. See Road Plans.  
No Existing Structure

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS



STANDARD	COMPUTED	- J. L. Wood
	CHECKED	- J. L. Wood
	DRAWN	- J. L. Wood
	CHECKED	- J. L. Wood
SPECIAL	ASSEMBLED	-
	CHECKED	-

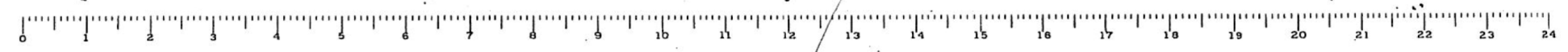
EXAMINED *[Signature]*  
BRIDGE ENGINEER  
PASSED *[Signature]*  
ENGINEER OF DESIGN  
APPROVED *[Signature]*  
CHIEF HIGHWAY ENGINEER

BILL OF MATERIAL

Bars	No.	Size	Length
V	40	3/8"	61'-6"
Y	36	1/2"	10'-6"
W	16	3/8"	18'-0"
T	16	3/8"	10'-6"
Q	12	3/8"	17'-0"
R	50	3/8"	10'-6"
B	36	3/8"	10'-6"
C	36	1/2"	31'-0"
M	10	1/2"	5'-0"
Concrete Cu. Yds			63.6
Reinforcing Steel Lbs.			4900

Class 70 Concrete to be used throughout  
Proportions 1-2 1/2-4

STATION 76+30  
STATE BOND ISSUE ROUTE #1  
SECTION 32B SALINE COUNTY



MODEL\_PLOT FILE NAME: Y:\DOT\1295-10\_78501\CADD\Highways\CADD\_Sheets\0978501-1-11-20-103.dgn



USER NAME = skm  
ESCA PROJECT NO. 1295.10  
PLOT SCALE = 0.1667' / in.  
PLOT DATE = 10/9/2020

DESIGNED - SKM  
DRAWN - SKM  
CHECKED - ELH  
DATE - 06/20

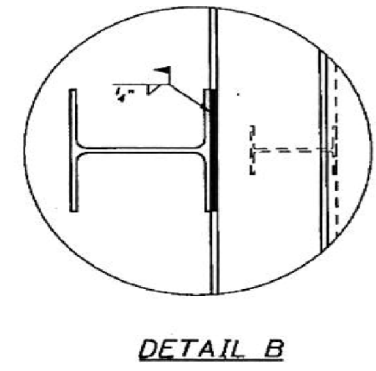
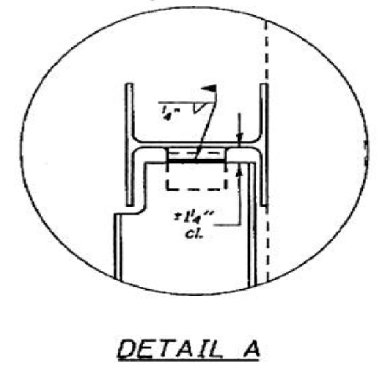
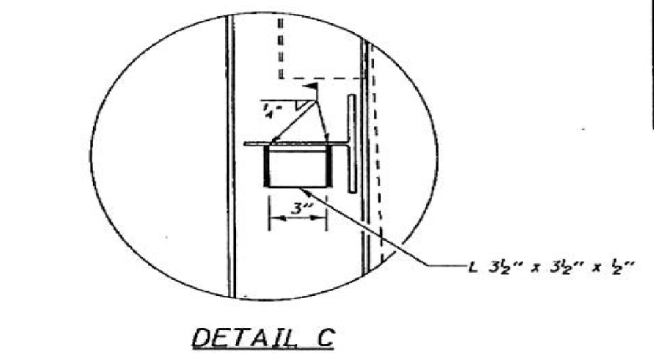
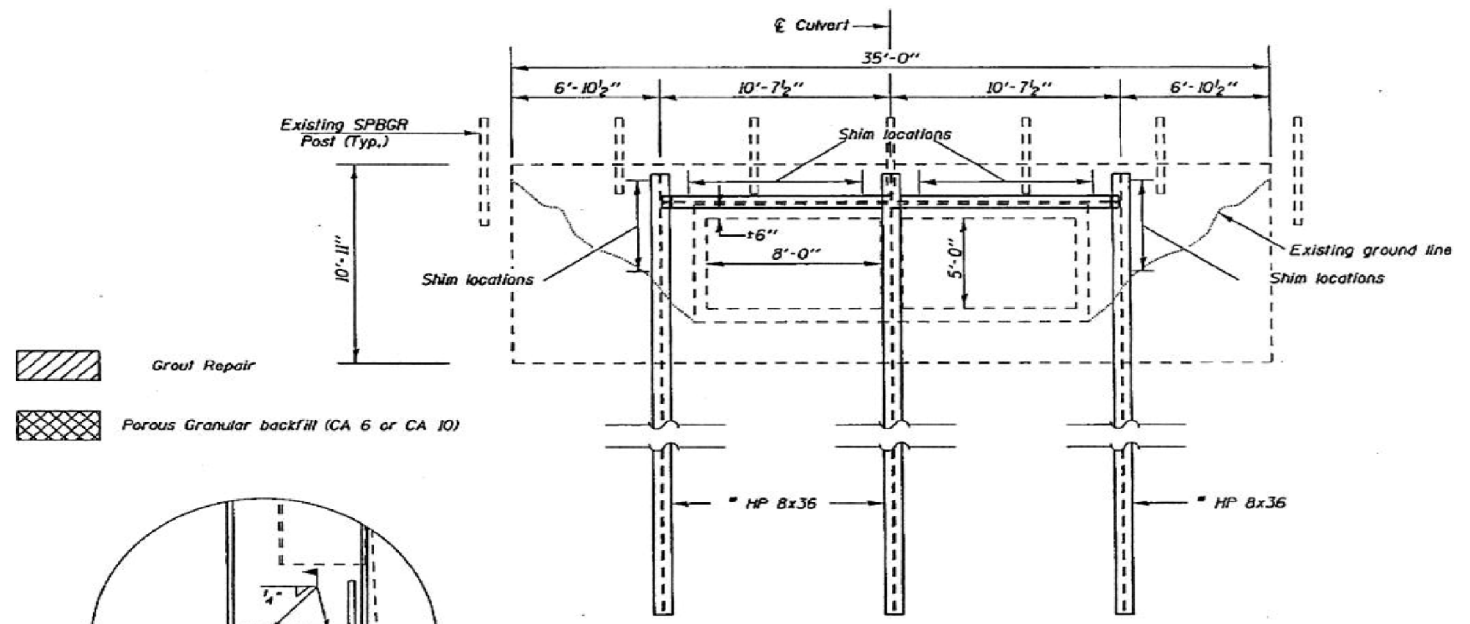
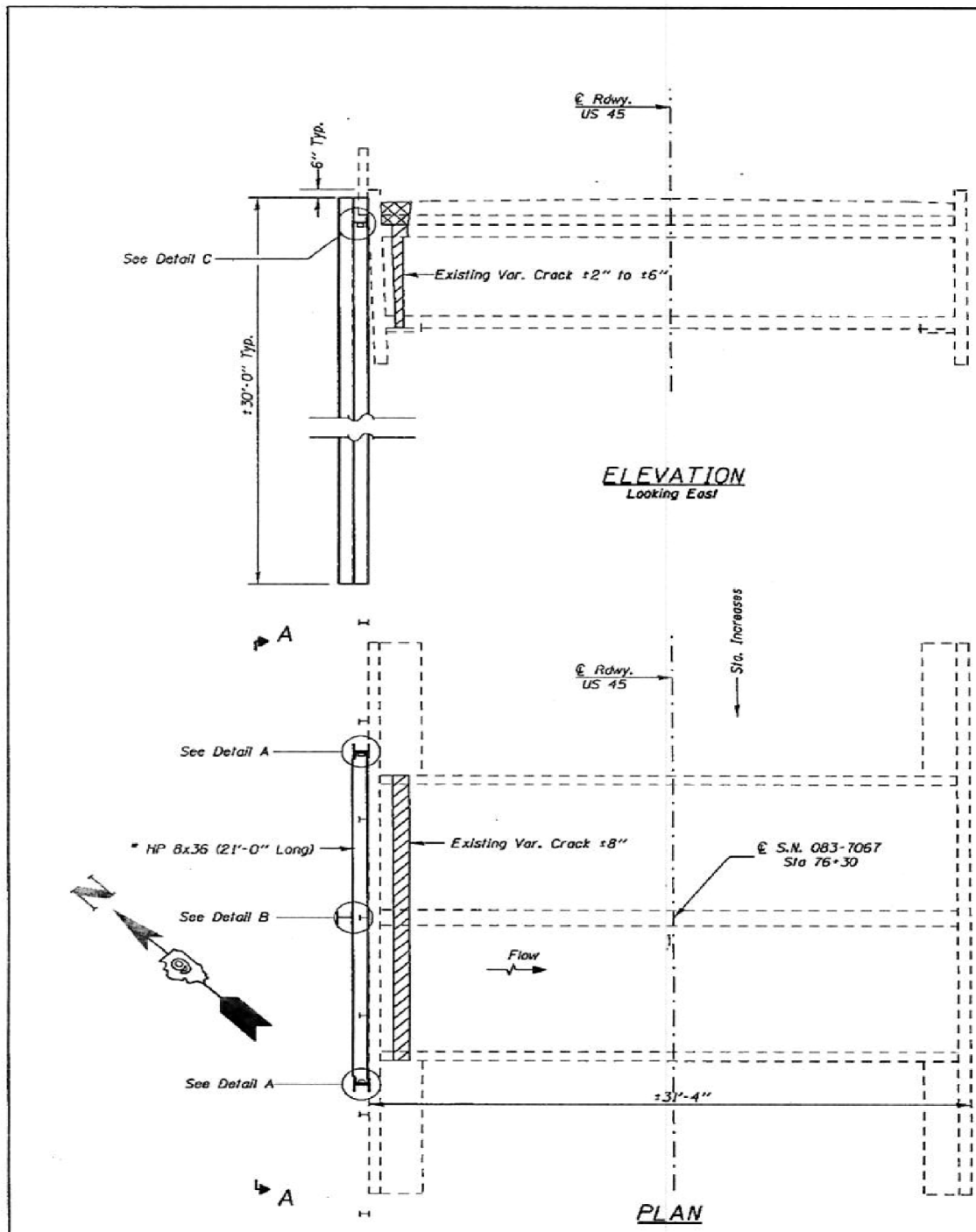
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SN 083-7067 EXISTING STRUCTURE PLANS  
FOR INFORMATION ONLY

SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	60
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



**Notes:**  
 Shim piles for a snug fit against the exist. wingwall as shown in VIEW A-A. Shims should consist of treated lumber, cost included with Furnishing Steel Piles HP8x36.  
 \* An equivalent Steel Section with a minimum Sx = 25 in<sup>2</sup> will be allowed in lieu of the HP as long as the connections are welded as shown. Field welding of the HP or equivalent section will be allowed.  
 Grout Repair shall consist of filling the existing cracks at the North end with non-shrink grout. FY1, the existing utility that is draped at the upstream section along the headwall is abandoned. The cost of the Steel angles and welding shall be included with Furnishing Steel Piles Hp 8x36.

**BILL OF MATERIALS**

Item description	Unit	Total
Furnishing Steel Piles HP8x36	Ft.	111
Driving Piles	Ft.	90
Grout Repair	Ft.	42
Porous Granular Backfill	Cu. Yd.	2

**HEADWALL / WINGWALL STABILIZATION STRUCTURE NO. 083-7067**

• HEADWALL / WINGWALL STABILIZATION, DAY LABOR FY14

FILE NAME =	USER NAME = hslatendw	DESIGNED -	REVISED -
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PLOT SCALE = 0.8888 1/2 in.		CHECKED -	REVISED -
PLOT DATE = 3/8/2013		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	F.A.P. RTE. 881	SECTION 32B-2;32B-3	COUNTY SALINE	TOTAL SHEETS 73	SHEET NO. 61
						CONTRACT NO. 78501	
ILLINOIS FED. AID PROJECT							

MODEL\_PLOT FILE NAME: Y:\PROJECTS\1295-10\_78501\CADD\Highways\CADD\_Sheets\083-7067-02.dwg



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PLOT DATE = 10/9/2020	DATE - 06/20	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SN 083-7067 EXISTING STRUCTURE PLANS  
FOR INFORMATION ONLY

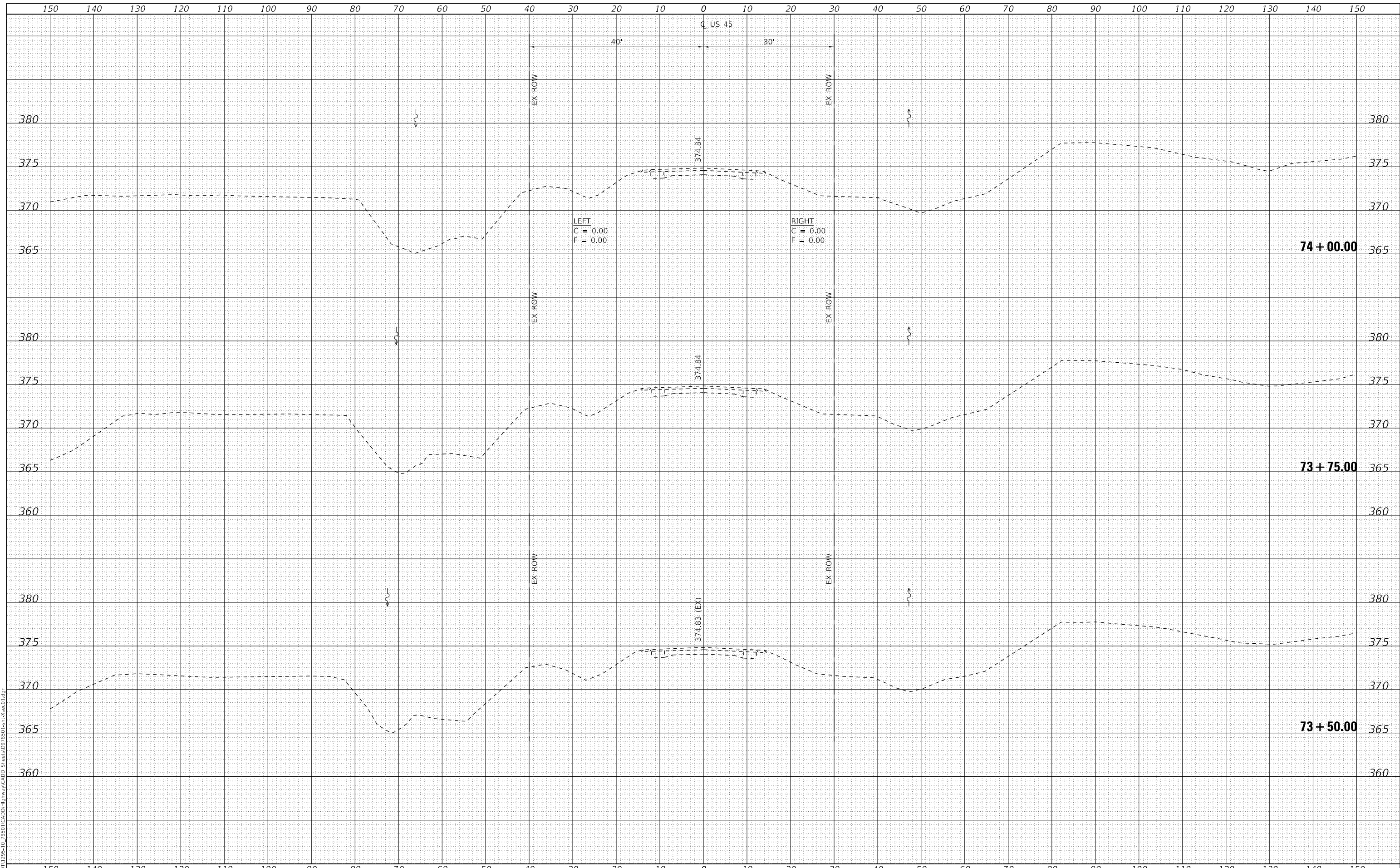
SCALE: NA	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.
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F.A.P. RTE. 881	SECTION 32B-2;32B-3	COUNTY SALINE	TOTAL SHEETS 73	SHEET NO. 61
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

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

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

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PLOT DATE =	10/9/2020	DATE -	09/20	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAP 881 (US 45) CROSS SECTIONS**

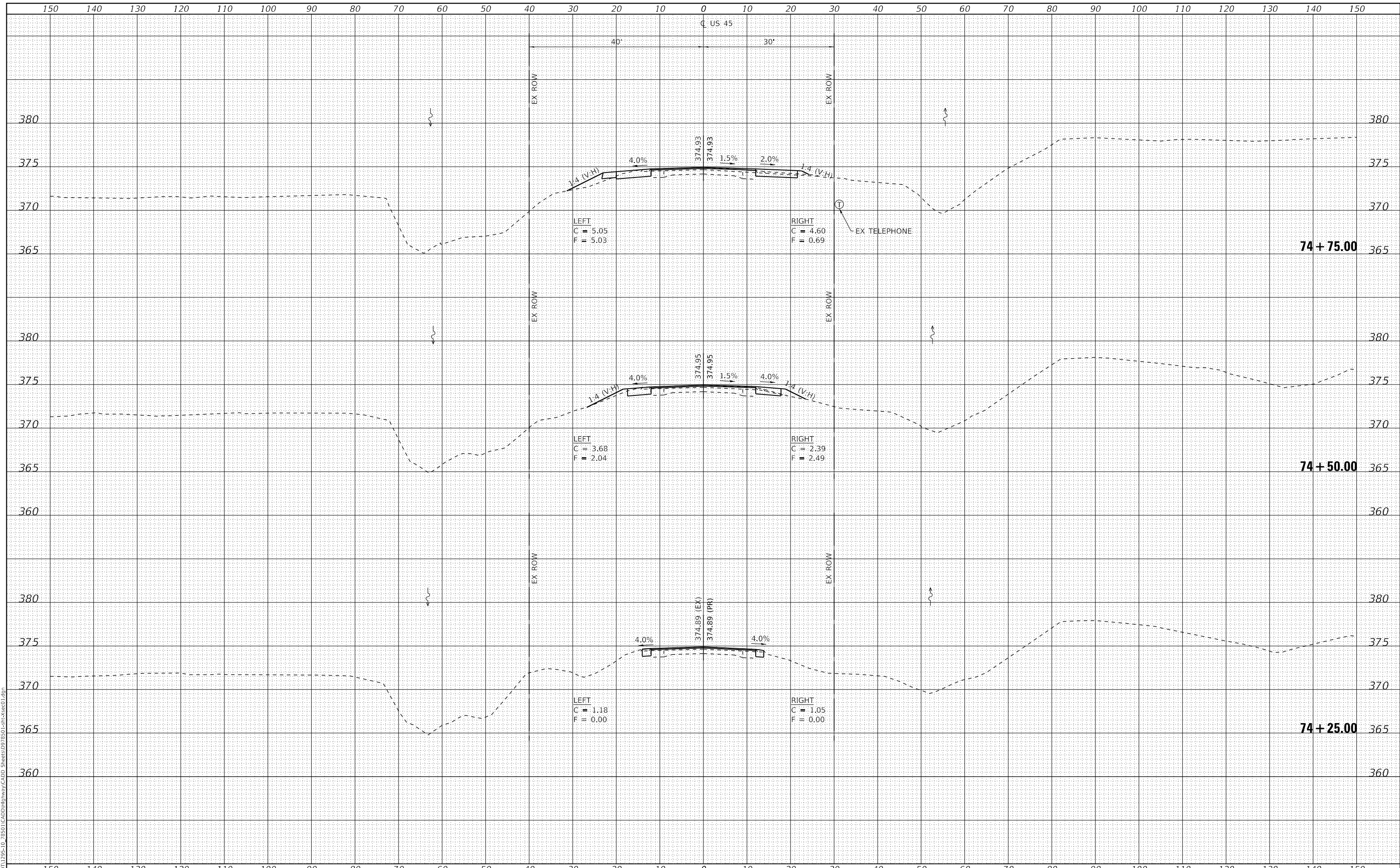
SCALE: AS SHOWN SHEET NO. 1 OF 8 SHEETS STA. 73+50.00 TO STA. 74+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	62
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

DATE	
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TEMPLATE	
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FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
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NOTE BOOK	
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PLOT DATE =	10/9/2020	DATE -	09/20	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAP 881 (US 45) CROSS SECTIONS**

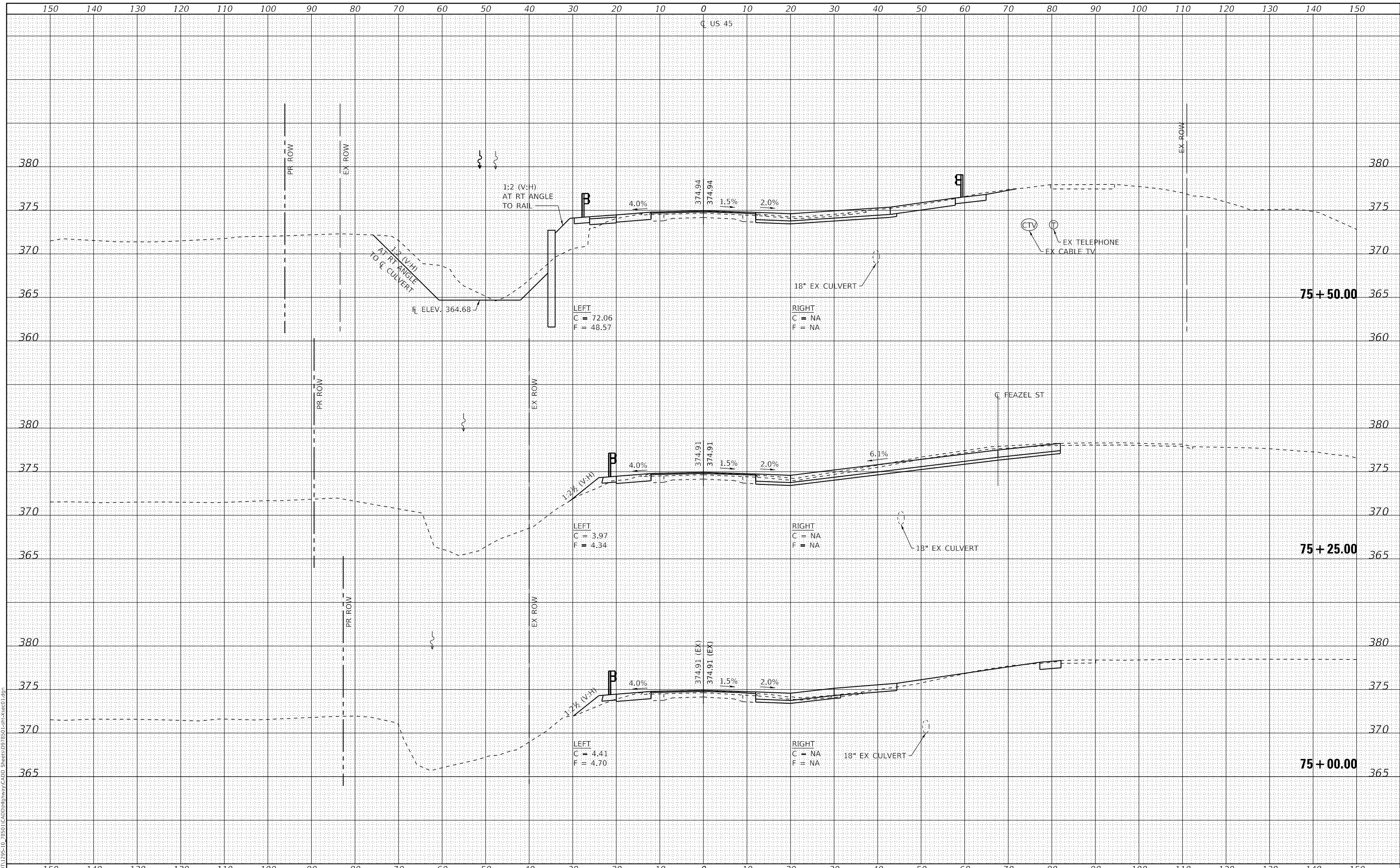
SCALE: AS SHOWN SHEET NO. 2 OF 8 SHEETS STA. 74+25.00 TO STA. 74+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	63
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED
	AREAS CHECKED

DATE	
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NOTE BOOK	PLOTTED
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	AREAS CHECKED
	AREAS CHECKED

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PLOT SCALE	= 20.0000' / in.	CHECKED	- ELH	REVISED	-
PLOT DATE	= 10/9/2020	DATE	- 09/20	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAP 881 (US 45) CROSS SECTIONS**

SCALE: AS SHOWN SHEET NO. 3 OF 8 SHEETS STA. 75+00.00 TO STA. 75+50.00

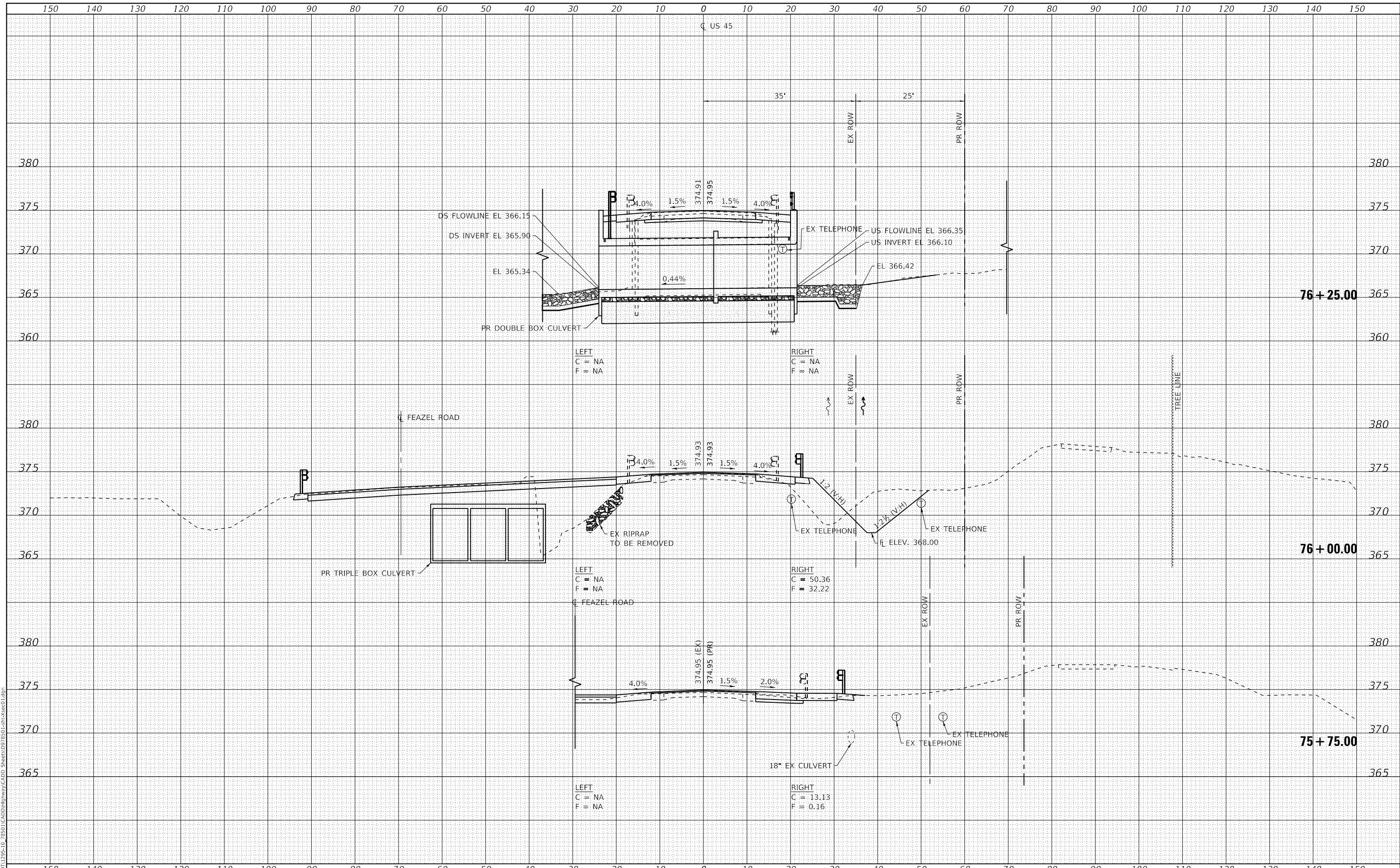
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	64
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



DATE	
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PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 10/9/2020

DESIGNED - SKM  
 DRAWN - SKM  
 CHECKED - ELH  
 DATE - 09/20

REVISED -  
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

FAP 881 (US 45) CROSS SECTIONS

SCALE: AS SHOWN SHEET NO. 4 OF 8 SHEETS STA. 75+75.00 TO STA. 76+25.00

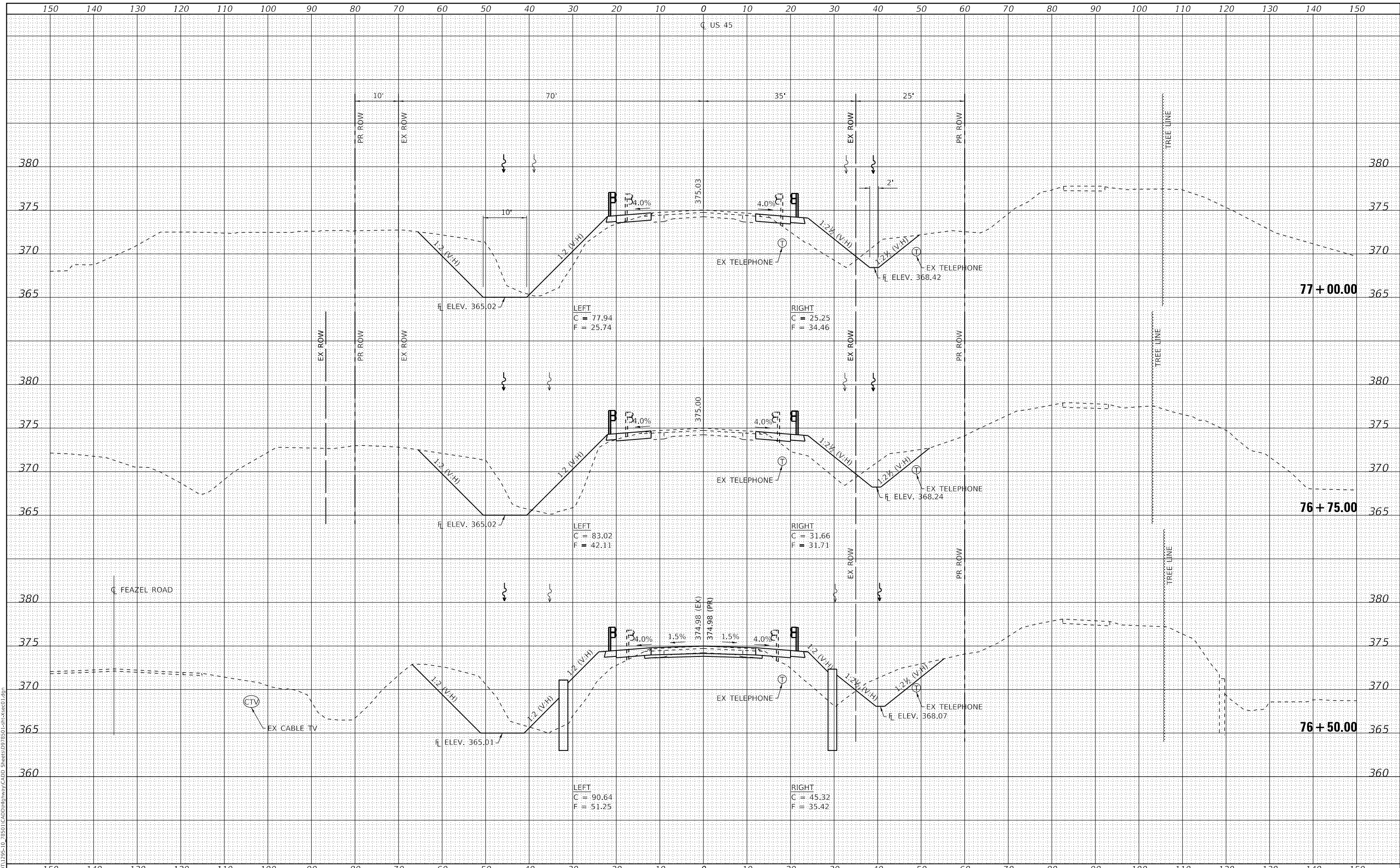
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	65
CONTRACT NO. 78501				

ILLINOIS FED. AID PROJECT

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FINAL SURVEY	
NOTE BOOK	
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ORIGINAL SURVEY	
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PLOT SCALE	= 20.0000' / in.	CHECKED	- ELH	REVISED	-
PLOT DATE	= 10/9/2020	DATE	- 09/20	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAP 881 (US 45) CROSS SECTIONS**

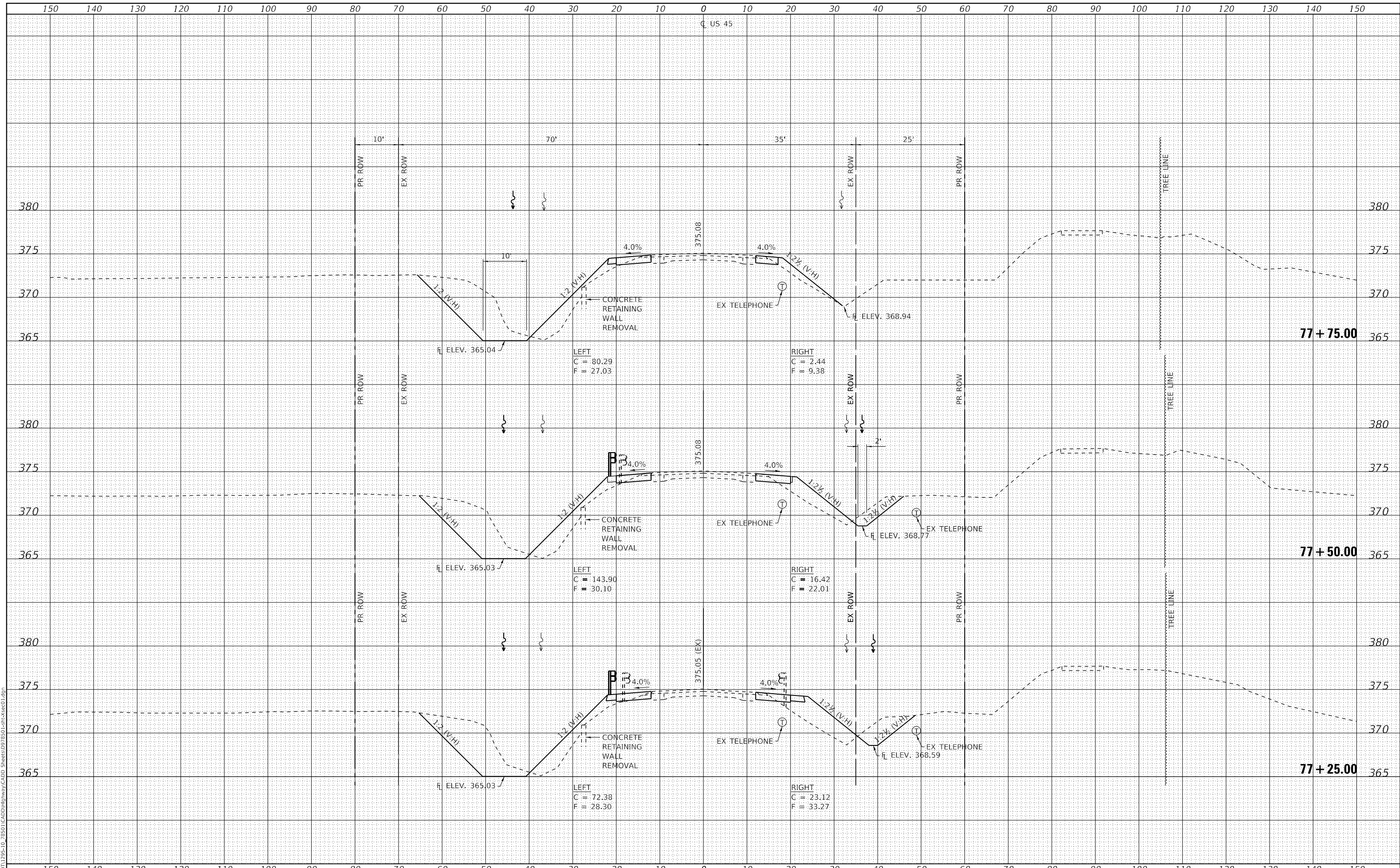
SCALE: AS SHOWN    SHEET NO. 5 OF 8 SHEETS    STA. 76+50.00 TO STA. 77+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	66
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 10/9/2020

DESIGNED	- SKM	REVISED	-
DRAWN	- SKM	REVISED	-
CHECKED	- ELH	REVISED	-
DATE	- 09/20	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAP 881 (US 45) CROSS SECTIONS**

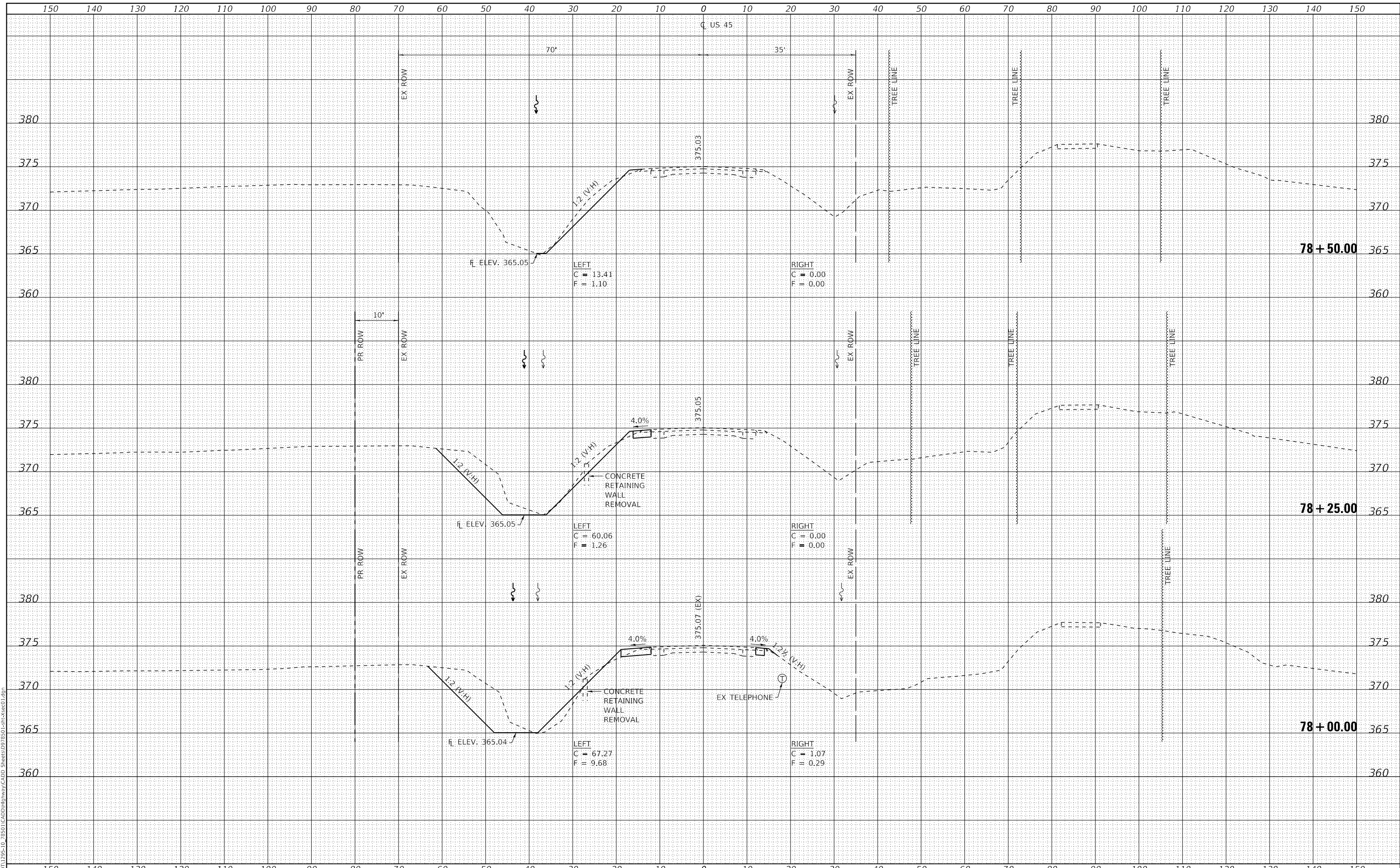
SCALE: AS SHOWN SHEET NO. 6 OF 8 SHEETS STA. 77+25.00 TO STA. 77+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	67
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

DATE	
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TEMPLATE	
NOTE BOOK	
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PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 10/9/2020

DESIGNED	- SKM	REVISED	-
DRAWN	- SKM	REVISED	-
CHECKED	- ELH	REVISED	-
DATE	- 09/20	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAP 881 (US 45) CROSS SECTIONS**

SCALE: AS SHOWN SHEET NO. 7 OF 8 SHEETS STA. 78+00.00 TO STA. 78+50.00

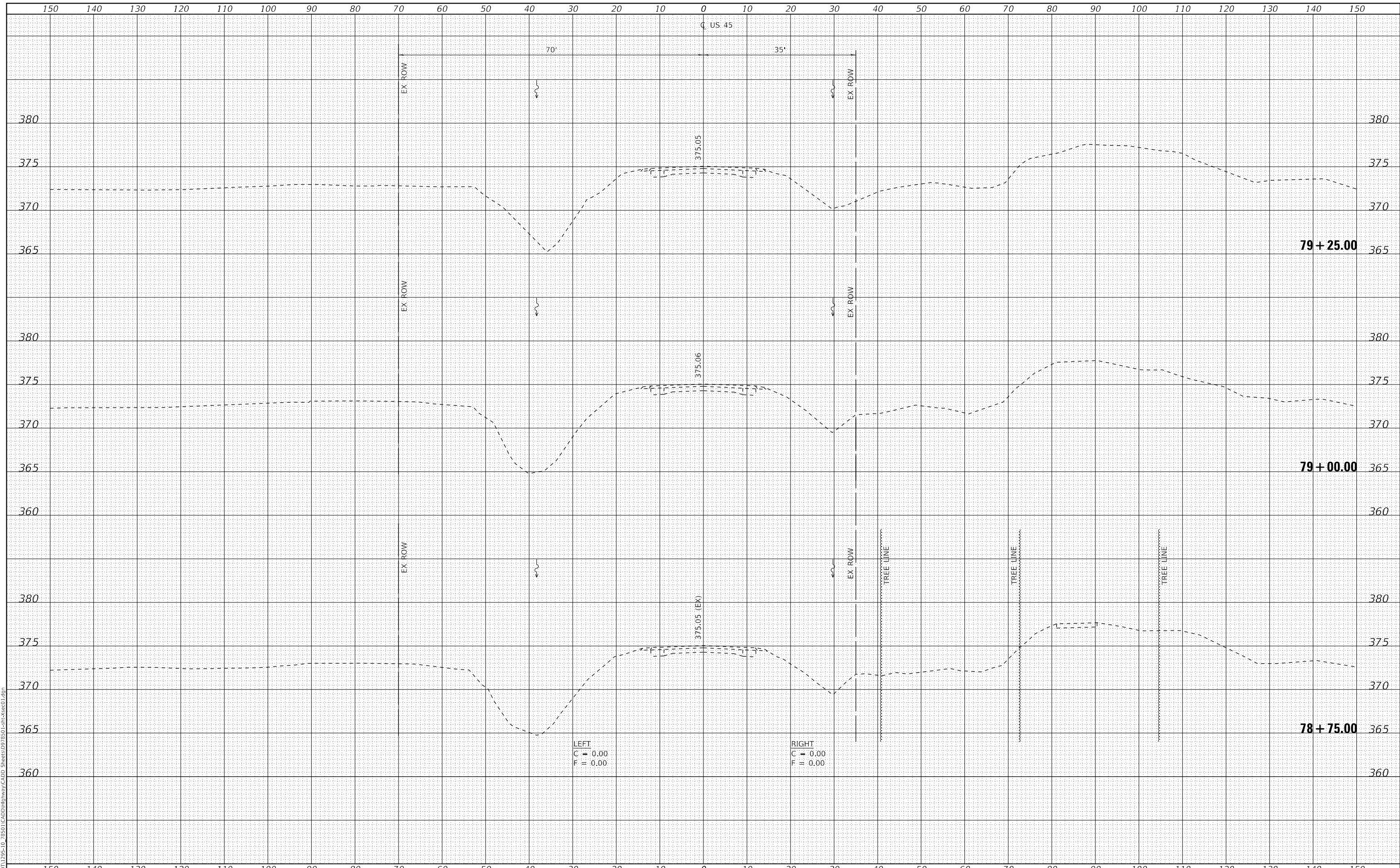
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	68
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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PLOT DATE =	10/9/2020
DESIGNED -	SKM
DRAWN -	SKM
CHECKED -	ELH
DATE -	09/20
REVISED -	
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FAP 881 (US 45) CROSS SECTIONS**

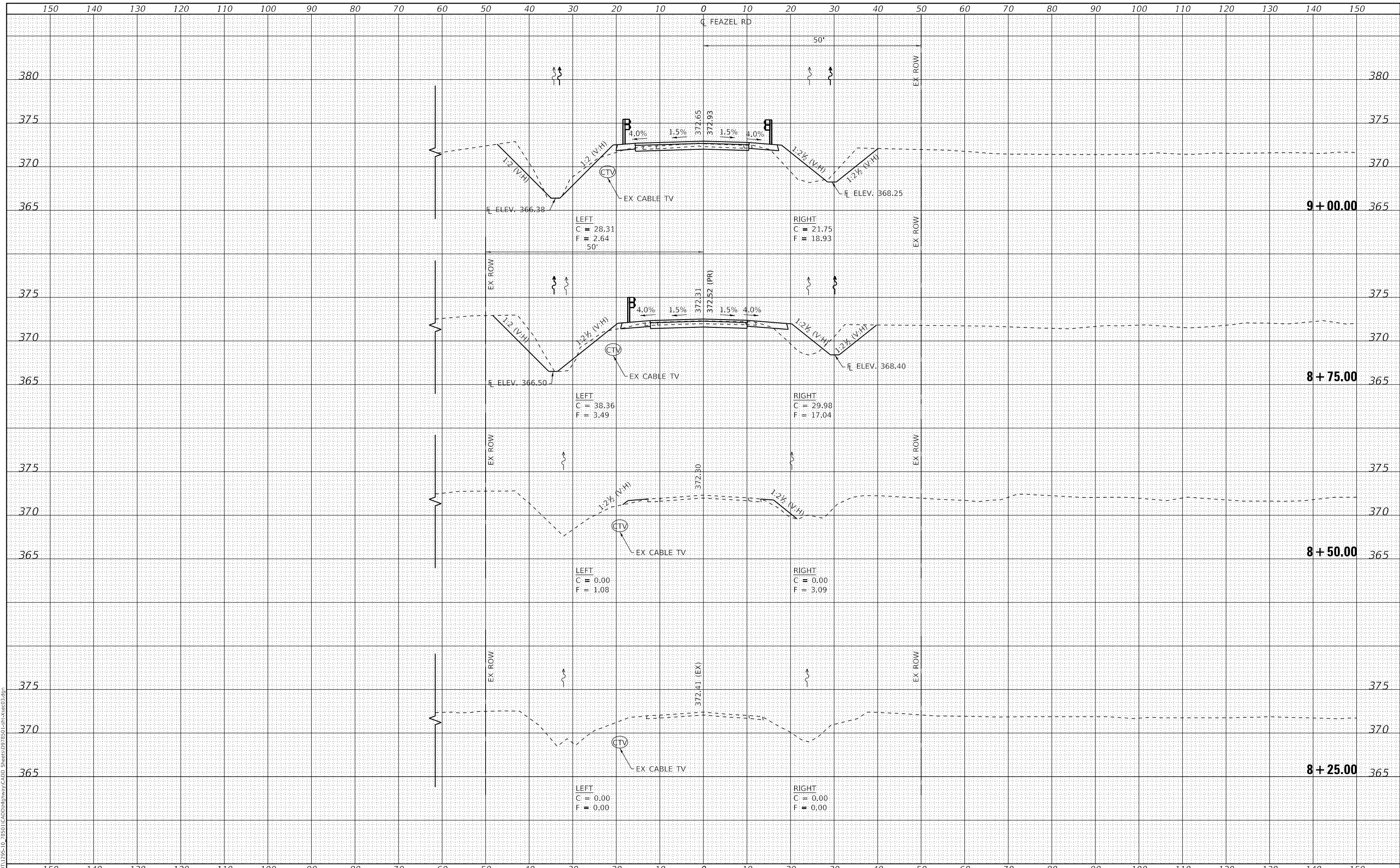
SCALE: AS SHOWN SHEET NO. 8 OF 8 SHEETS STA. 78+75.00 TO STA. 79+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	69
				CONTRACT NO. 78501
				ILLINOIS FED. AID PROJECT

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

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

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PLOT DATE =	10/9/2020	DATE -	09/20	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

FEAZEL ROAD CROSS SECTIONS

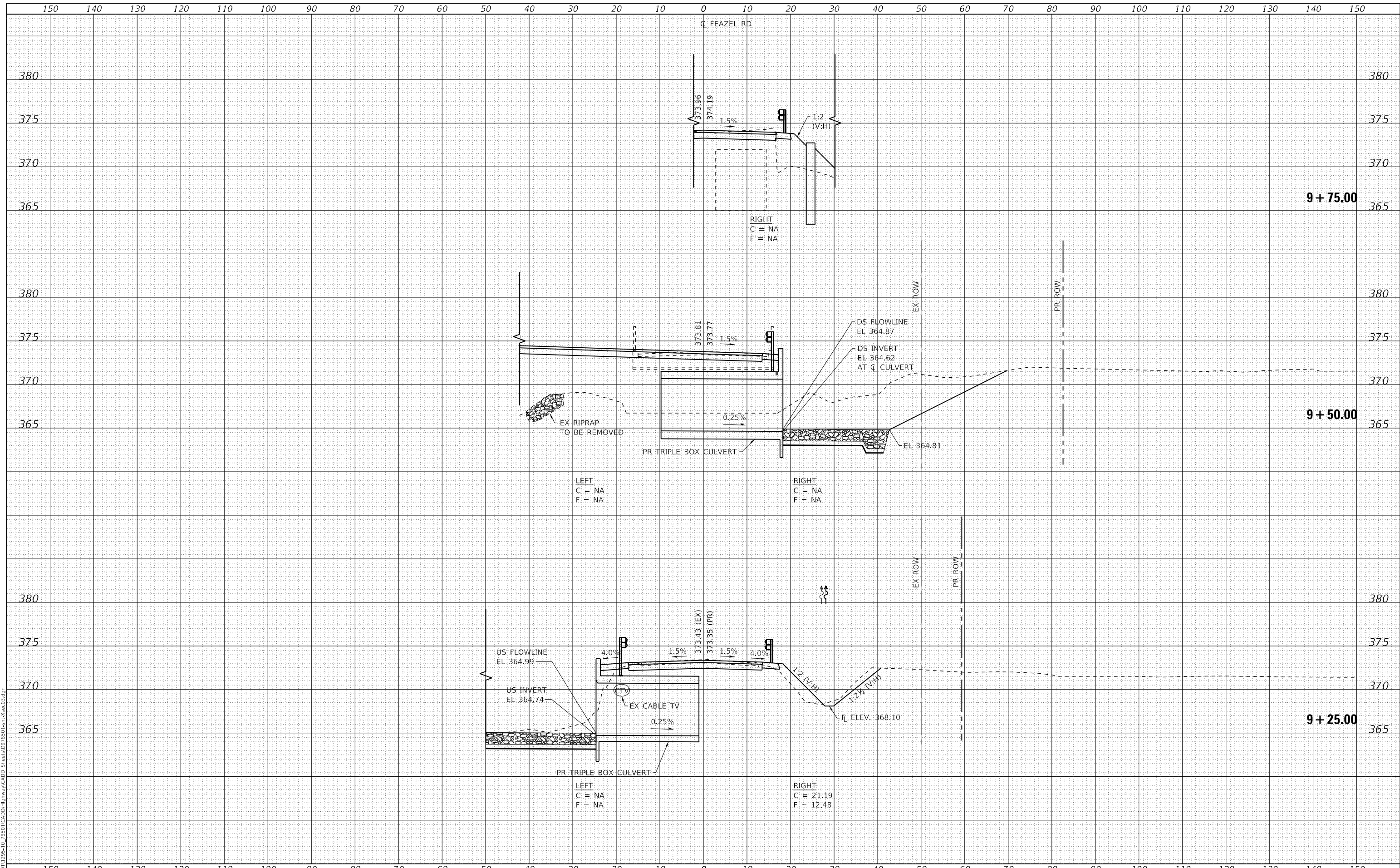
SCALE: AS SHOWN SHEET NO. 1 OF 2 SHEETS STA. 8+50.00 TO STA. 9+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	70
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FEAZEL ROAD CROSS SECTIONS**

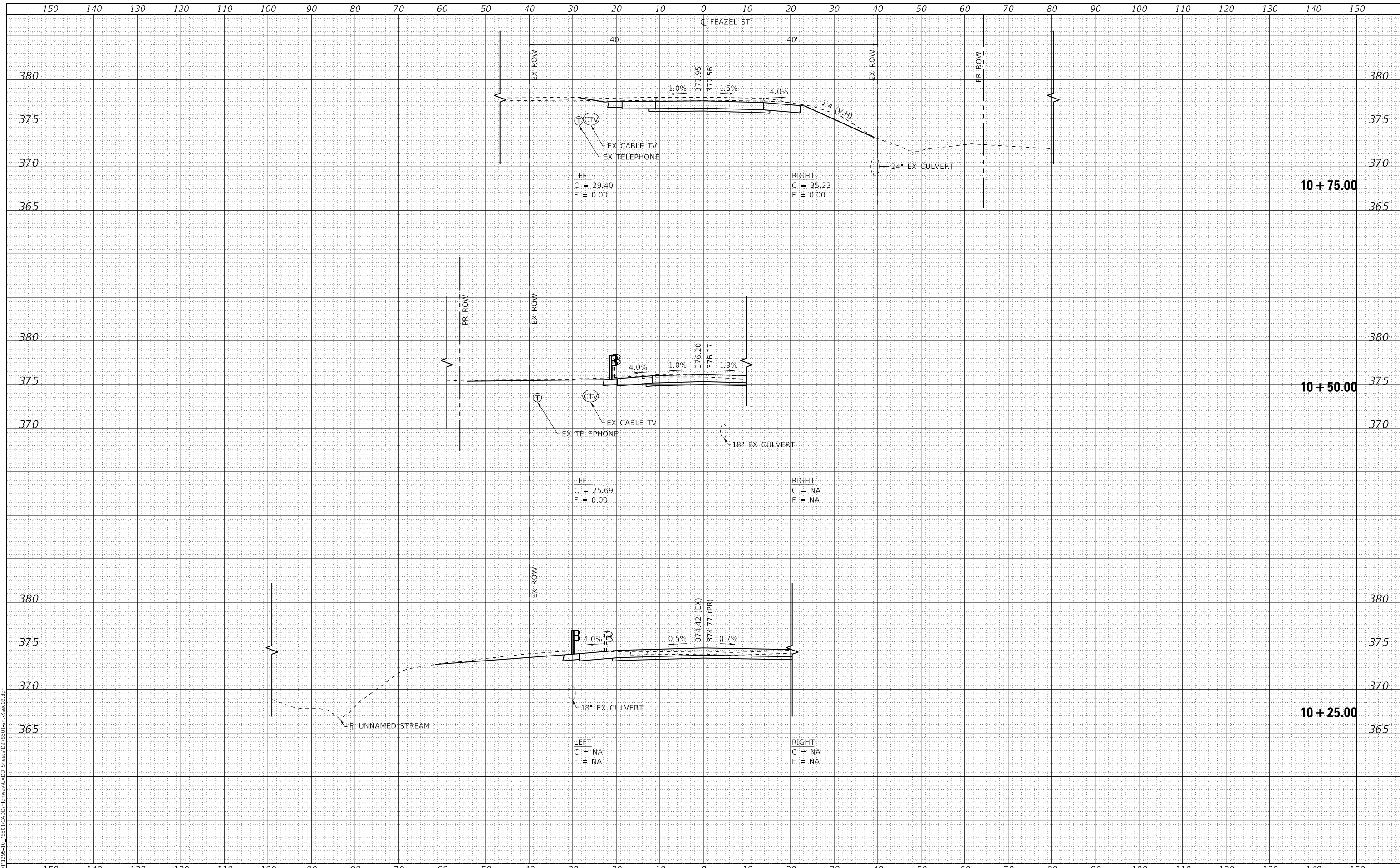
SCALE: AS SHOWN    SHEET NO. 2 OF 2 SHEETS    STA. 9+25.00 TO STA. 9+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	71
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				

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

DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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PLOT DATE =	10/9/2020	DATE -	09/20	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FEAZEL STREET CROSS SECTIONS**

SCALE: AS SHOWN    SHEET NO. 1 OF 2 SHEETS    STA. 10+25.00 TO STA. 10+75.00

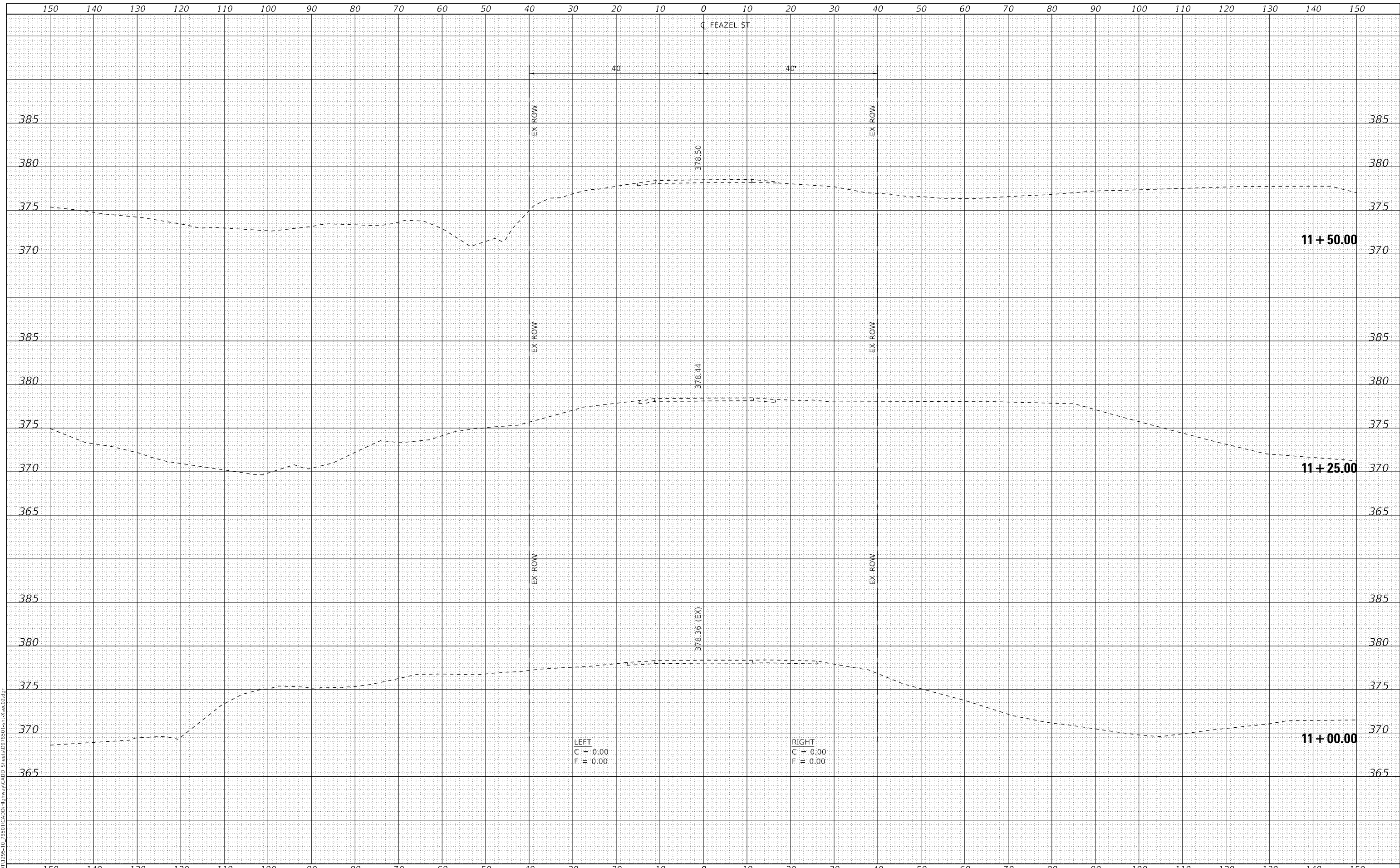
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	72
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				



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

DATE	
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SURVEYED	
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TEMPLATE	
AREAS CHECKED	
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RIGHT  
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F = 0.00



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PLOT DATE =	10/9/2020	DATE -	09/20	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FEAZEL STREET CROSS SECTIONS

SCALE: AS SHOWN SHEET NO. 2 OF 2 SHEETS STA. 11+00.00 TO STA. 11+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-2;32B-3	SALINE	73	73
CONTRACT NO. 78501				
ILLINOIS FED. AID PROJECT				