

06-14-2019 LETTING ITEM 221

**DESIGN DESIGNATION**

FUNCTIONAL CLASSIFICATION: LOCAL ROAD (NON-URBAN)  
 ADT (SCHOOL ROAD): 125  
 DESIGN SPEED: 55 MPH  
 VARIANCES GRANTED: NONE  
 COMMITMENTS: NONE

**INDEX OF SHEETS**

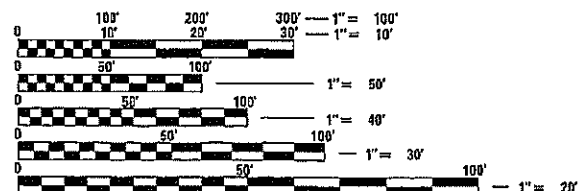
- 1 COVER SHEET
- 2 GENERAL DATA
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 SCHEDULE OF QUANTITIES
- 6 ALIGNMENT, TIES AND BENCHMARK
- 7 PLAN AND PROFILE
- 8 HORIZONTAL LAYOUT AND R.O.W.
- 9 EROSION CONTROL PLAN
- 10 ENTRANCE DETAILS
- 11-16 BRIDGE PLANS
- 17-21 CROSS SECTIONS

**LIST OF STANDARDS**

SEE SHEET NO. 2

**UTILITY COMPANIES**

SEE SHEET NO. 2



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

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

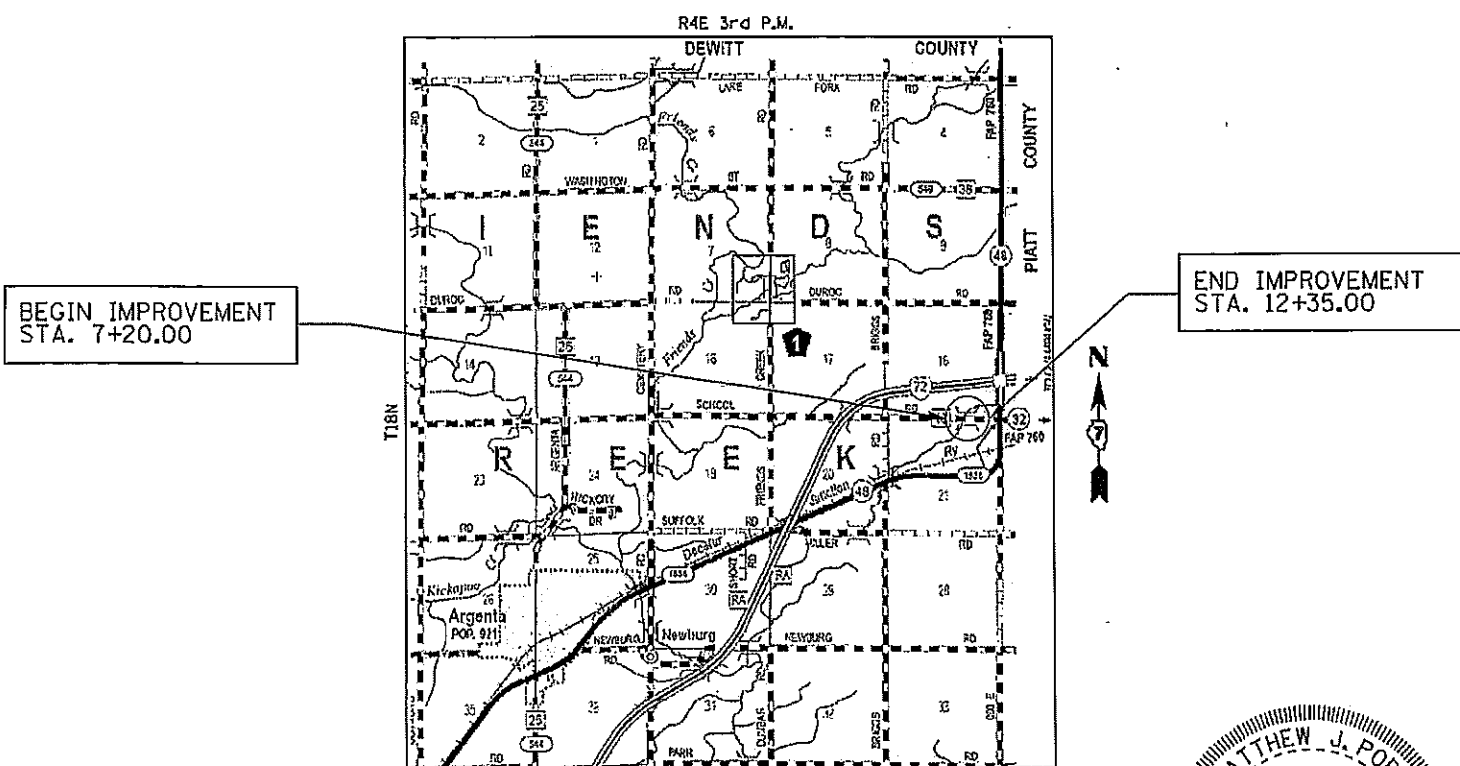
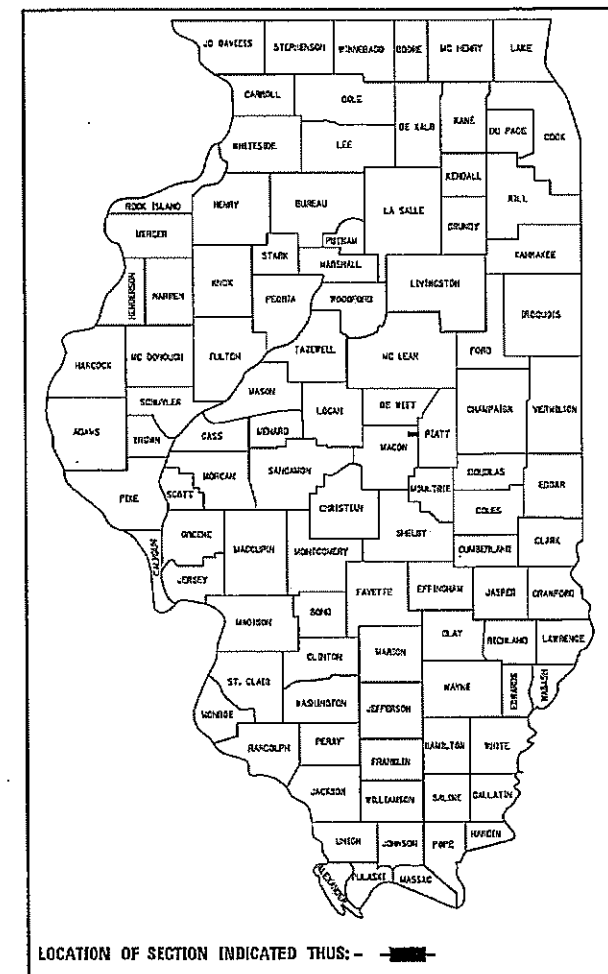
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 OF THE STATE OF ILLINOIS**

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED  
 LOCAL AGENCY IMPROVEMENT**

STP - BRIDGE PROGRAM  
 CH 18 (SCHOOL ROAD) OVER TRIBUTARY TO FRIENDS CREEK  
 SECTION 15-00275-00-BR  
 MACON COUNTY  
 BRIDGE REPLACEMENT  
 PROJECT NO. FGMV(182)  
 JOB NO. C-97-060-18

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 18	15-00275-00-BR	MACON	21	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 95852		



**LOCATION MAP**

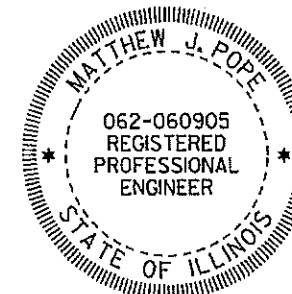
APPROXIMATE SCALE



TOTAL AND NET LENGTH OF IMPROVEMENT = 515.00 FT. = 0.098 MILE

EXISTING STRUCTURE  
 NUMBER 058-3206

PROPOSED STRUCTURE  
 NUMBER 058-3406



Matthew J. Pope  
 SIGNATURE DATE: 3/15/2019  
 ILL. REG. P.E. NO. 062-060905  
 EXPIRES: 11/30/2019

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

APPROVED MARCH 21, 2019  
*[Signature]*  
 COUNTY ENGINEER

PASSED APRIL 5, 2019  
*[Signature]*  
 DISTRICT SEVEN ENGINEER OF  
 LOCAL ROADS & STREETS

RELEASING FOR  
 BID BASED ON  
 LIMITED REVIEW APRIL 5, 2019  
*[Signature]*  
 REGION FOUR ENGINEER

**AECOM** 345 EAST ASH AVENUE, SUITE B  
 DECATUR, ILLINOIS 62526  
 PH. 217-875-4800

**GENERAL NOTES**

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED APRIL 1, 2016, THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT-OF-WAY AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL EVENT EQUAL TO 1/2 INCH OR MORE.

DISTURBED AREAS SHALL RECEIVE PERMANENT STABILIZATION WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION ACTIVITIES. TEMPORARY STABILIZATION OF WORK AREAS IS REQUIRED FOR ALL AREAS REMAINING UNDISTURBED FOR 14 DAYS, UNLESS WORK RESUMES PRIOR TO 21 DAYS. TEMPORARY STABILIZATION MUST BE APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY OTHER CONSTRUCTION WORK AT THE SITE. LAYOUT OF EROSION CONTROL ITEMS MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA AND/OR CONSTRUCTION LIMITS. ANY ADDITIONAL STAGING AREAS ADJACENT TO THE PROJECT AREA ARE SUBJECT TO PRIOR APPROVAL BY THE ENGINEER AND MUST NOT CONFLICT WITH EXISTING SIDE ROADS, INTERSECTIONS, DRIVEWAYS, OR DRAINAGE. ALL OPERATIONS SHALL BE SUBJECT TO REGULATORY REQUIREMENTS PERMITTED FOR THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR COMPLIANCE WITH THE ABOVE REQUIREMENTS.

FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123) TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UNDERGROUND UTILITIES. DRAWINGS INDICATE ONLY APPROXIMATE LOCATIONS OF UTILITIES KNOWN TO EXIST AT THE TIME OF DESIGN.

BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONTACT THE ENGINEER AS TO THE EXACT LENGTH AND QUANTITY REQUIRED.

THE CONTRACTOR SHALL RELOCATE OR REMOVE AND REPLACE ALL SIGNS THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS AND TEMPORARILY RESET ALL SUCH SIGNS DURING ALL STAGES OF CONSTRUCTION AS DIRECTED BY THE ENGINEER. ENGINEER WILL DETERMINE PERMANENT LOCATION FOR EXISTING SIGNS TO BE RE-ERECTED. ALL NEW SIGNS WILL BE INSTALLED BY OTHERS.

ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND REPAIRED OR CONNECTED TO THE PROPOSED DRAINAGE STRUCTURES OR DITCHES AS DIRECTED BY THE ENGINEER. PAYMENT OF THIS WORK SHALL BE INCLUDED IN THE VARIOUS DRAINAGE ITEMS OR AS DIRECTED BY THE ENGINEER.

THE MACON COUNTY HIGHWAY DEPARTMENT WILL BE RESPONSIBLE FOR THE CONSTRUCTION LAYOUT.

**APPLICATION RATES**

AGG SURFACE COURSE	2.05	TONS/CU YD
STONE RIPRAP	1.50	TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.25	LBS/SQ FT (ON AGG BASE COURSE)
BITUMINOUS MATERIALS (COVER AND SEAL COAT)	0.25	LBS/SQ FT
COVER COAT AGGREGATE	25	LBS/SQ YD
SEAL COAT AGGREGATE	25	LBS/SQ YD
FERTILIZER NUTRIENTS	90	LBS/ACRE
TEMPORARY EROSION CONTROL SEEDING	100	LBS/ACRE (3 APPLICATIONS)

**COMMITMENTS**

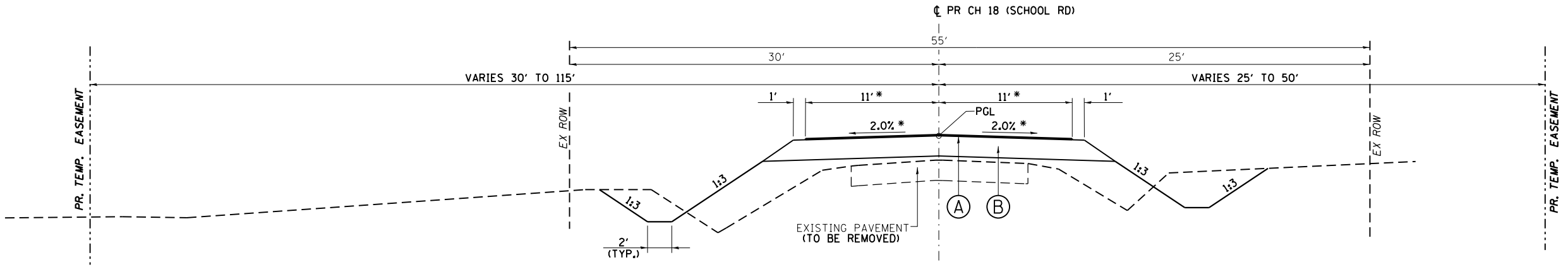
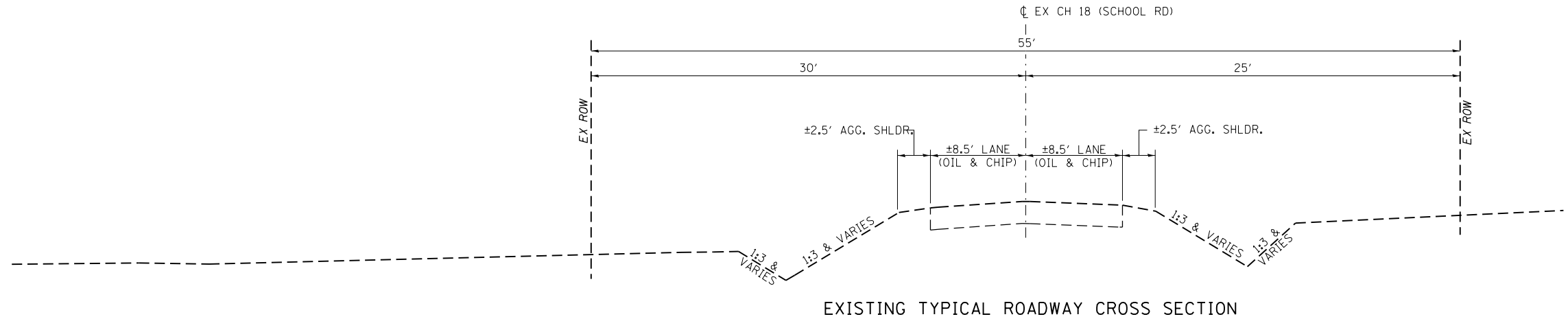
NO COMMITMENTS WERE MADE FOR THIS PROJECT.

**HIGHWAY STANDARDS**

STANDARD 000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
STANDARD 001001-02	AREAS OF REINFORCEMENT BARS
STANDARD 001006	DECIMAL OF AN INCH AND OF A FOOT
STANDARD 280001-07	TEMPORARY EROSION CONTROL SYSTEMS
STANDARD 515001-03	NAME PLATE FOR BRIDGES
STANDARD 701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
STANDARD 701901-08	TRAFFIC CONTROL DEVICES
STANDARD 725001-01	OBJECT AND TERMINAL MARKERS
STANDARD BLR-21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

FILE NAME =	USER NAME = matt.pope	DESIGNED - JAC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL DATA</b>			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\60489840 Macon-CH18-School Rd\900-Work\910-CAD\GDData_sht_001.dgn		DRAWN - DCS	REVISED -		<b>CH 18 (SCHOOL RD) OVER TRIB TO FRIENDS CREEK</b>			CH 18	15-00275-00-BR	MACON	21	2
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED - MJP	REVISED -					<b>CONTRACT NO. 95852</b>				
	PLOT DATE = 3/14/2019	DATE - 1/18/2019	REVISED -		SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				





**PROPOSED TYPICAL ROADWAY CROSS SECTION**  
 \* TRANSITION TO EXISTING: STA 7+20.00 TO STA 8+20.00  
 STA 11+35.00 TO STA 12+35.00  
 PROPOSED BRIDGE: STA 9+75.38 TO STA 10+24.82

- PROPOSED LEGEND**
- (A) PROPOSED BITUMINOUS SURFACE TREATMENT (CLASS A-2)
  - (B) PROPOSED AGGREGATE BASE COURSE, TYPE A 10"

FILE NAME =	USER NAME = matt.pope	DESIGNED - JAC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS CH 18 (SCHOOL RD) OVER TRIB TO FRIENDS CREEK</b>	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 3/15/2019	DATE - 1/18/2019	REVISIED -			ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE					
LOCATION	EARTH EXCAVATION	*EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	**CHANNEL EXCAVATION	EMBANKMENT	EARTHWORK BALANCE WASTE (+) AND SHORTAGE (-) (FURNISHED EXCAVATION)
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
WEST OF BRIDGE STA. 7+20.00 TO STA. 9+75.38	76	57	133	209	-152
EAST OF BRIDGE STA. 10+24.82 TO STA. 12+35.00	100	75	118	35	40
TOTALS	176	132	251	244	-112

\*SHRINKAGE FACTOR FOR EARTH EXCAVATION = 25%  
 \*\*CHANNEL EXCAVATION IS ASSUMED TO BE UNSUITABLE MATERIAL

PAVEMENT SCHEDULE									
STATION	STATION	LENGTH	WIDTH	AREA	AGGREGATE BASE COURSE, TYPE A 10"	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	COVER COAT AGGREGATE	SEAL COAT AGGREGATE
		FOOT	FOOT	SQ FT	SQ YD	TON	TON	TON	TON
7+20.00	8+20.00	100.00	22.92		255	1	1	4	4
8+20.00	9+75.38	155.38	24.00		415	1	1	6	6
10+24.82	11+35.00	110.18	24.00		294	1	1	4	4
11+35.00	12+35.00	100.00	22.95		255	1	1	4	4
TOTALS					1,219	4	4	18	18

LANDSCAPING SCHEDULE									
STATION	STATION	OFFSET	AREA	SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING
			SQ FT	ACRE	POUND	POUND	POUND	SQ YD	POUND
7+20.00	9+45.00	LT	3,748	0.09	9	9	9	417	27
9+45.00	10+00.00	LT	791	0.02	2	2	2	88	6
10+00.00	12+35.00	LT	2,582	0.06	6	6	6	287	18
7+20.00	10+00.00	RT	2,747	0.07	7	7	7	306	21
10+00.00	10+63.48	RT	342	0.01	1	1	1	38	3
10+63.48	12+35.00	RT	1,396	0.04	4	4	4	156	12
TOTALS				0.25	29	29	29	1,292	87

SIGNING SCHEDULE					
STATION	OFFSET	DESCRIPTION	LENGTH	WIDTH	REMOVE SIGN PANEL - TYPE 1
			INCH	INCH	SQ FT
9+22	17' RT	WEIGHT LIMIT 14 TONS	24	30	5
10+97	19' LT	WEIGHT LIMIT 14 TONS	24	30	5
TOTALS					10

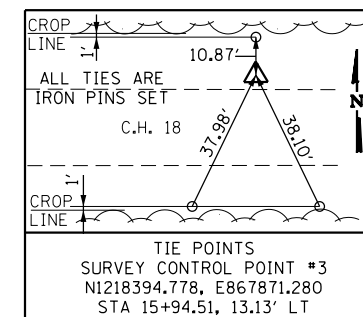
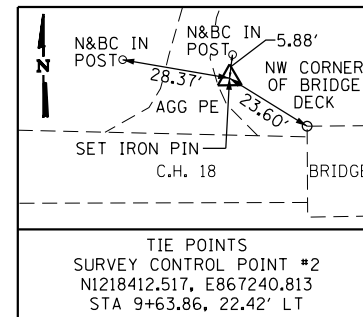
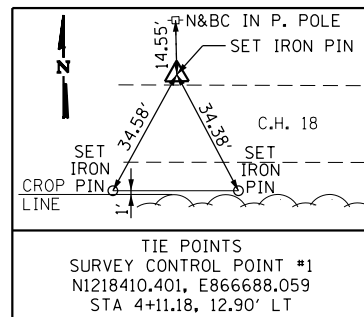
ENTRANCE SCHEDULE								
STATION	OFFSET	ENTRANCE TYPE	LENGTH	WIDTH	AREA	THICKNESS	AGGREGATE SURFACE COURSE, TYPE B	AGGREGATE FOR TEMPORARY ACCESS
			FOOT	FOOT	SQ FT	INCHES	TON	TON
9+45.00	LT	PE	100.05	24.00	1821	6	70	20
10+63.48	RT	FE	25.50	24.00	722	6	28	20
TOTALS							98	40

REMOVE WOOD POST SCHEDULE		
STATION	OFFSET	REMOVE WOOD POST EACH
9+36	27' LT	1
9+65	29' LT	1
TOTALS		2

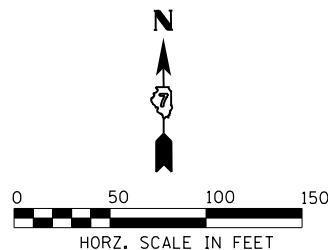
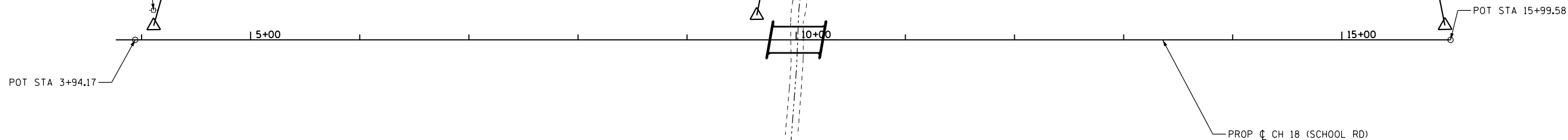
PAVEMENT REMOVAL SCHEDULE				
STATION	STATION	LENGTH	AREA	PAVEMENT REMOVAL
		FOOT	SQ FT	SQ YD
7+20.00	9+84.10	264.10	5,022	558
10+15.94	12+35.00	219.06	4,151	462
TOTALS				1,020

PIPE CULVERT SCHEDULE			
STATION	OFFSET	PIPE CULVERT REMOVAL	PIPE CULVERTS, CLASS D, TYPE 1 15"
		FOOT	FOOT
9+45.00	LT	27	64
10+63.48	RT		49
TOTALS		27	113

EROSION CONTROL SCHEDULE					
STATION	STATION	OFFSET	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
			FOOT	FOOT	EACH
7+20	9+48	LT		288	
7+32		RT	8		
8+03		RT	8		
8+00		LT	8		
8+50	9+94	RT		147	
9+22		21' LT			1
9+78		RT	8		
9+80	9+97	LT		88	
10+05	10+49	RT		44	
10+10	10+36	LT		26	
10+20		LT	8		
10+78	12+00	RT		126	
10+88		19' RT			1
11+59		LT	8		
11+72		RT	8		
TOTALS			56	719	2



BENCHMARK:  
30 PENNY NAIL IN 6"  
POWER POLE, ELEV 687.60,  
STA 4+11, 27' LT



ALIGNMENT COORDINATES - CH 18 (SCHOOL RD.)			
C CH 18	STATION	N	E
POT	3+94.17	1218397.7252	866670.8734
BK W ABUT	9+75.38	1218389.9401	867252.0311
BK E ABUT	10+24.82	1218389.2779	867301.4667
POT	15+99.58	1218381.5792	867876.1751

FILE NAME =	USER NAME = matt.pope	DESIGNED - JAC	REVISED -
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	PLOT DATE = 3/15/2019	DATE - 1/18/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

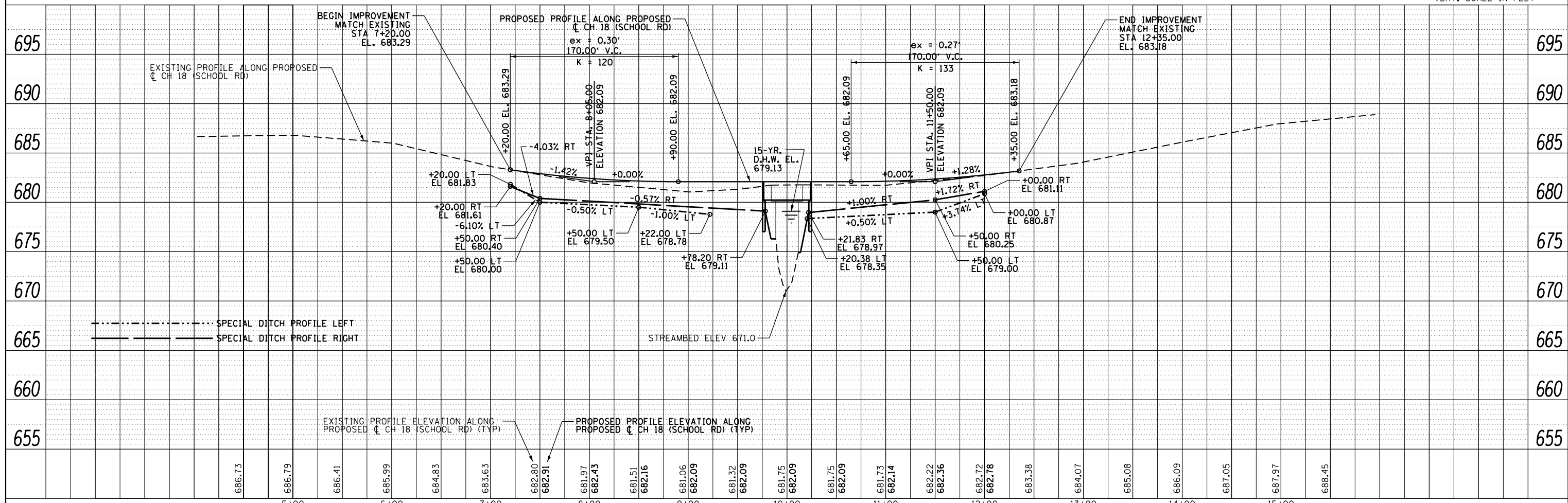
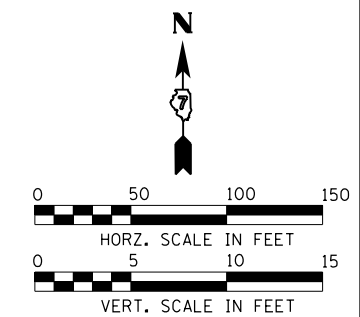
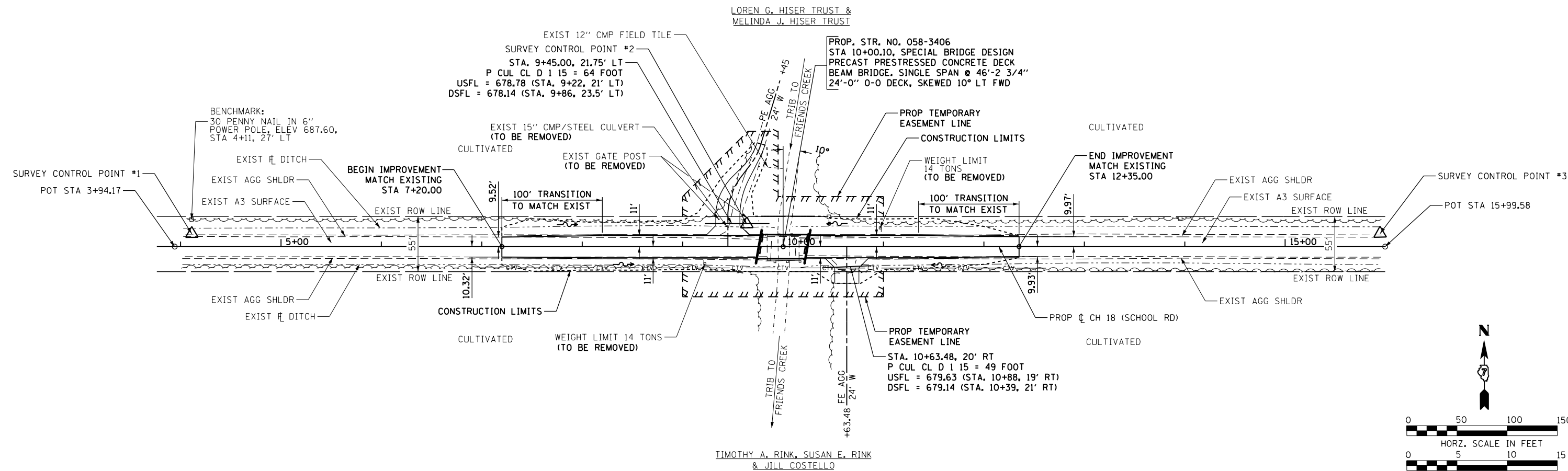
ALIGNMENT, TIES AND BENCHMARK  
CH 18 (SCHOOL RD) OVER TRIB TO FRIENDS CREEK

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 7+20.00 TO STA. 12+35.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 18	15-00275-00-BR	MACON	21	6
CONTRACT NO. 95852			ILLINOIS FED. AID PROJECT	

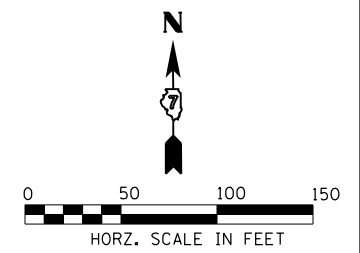
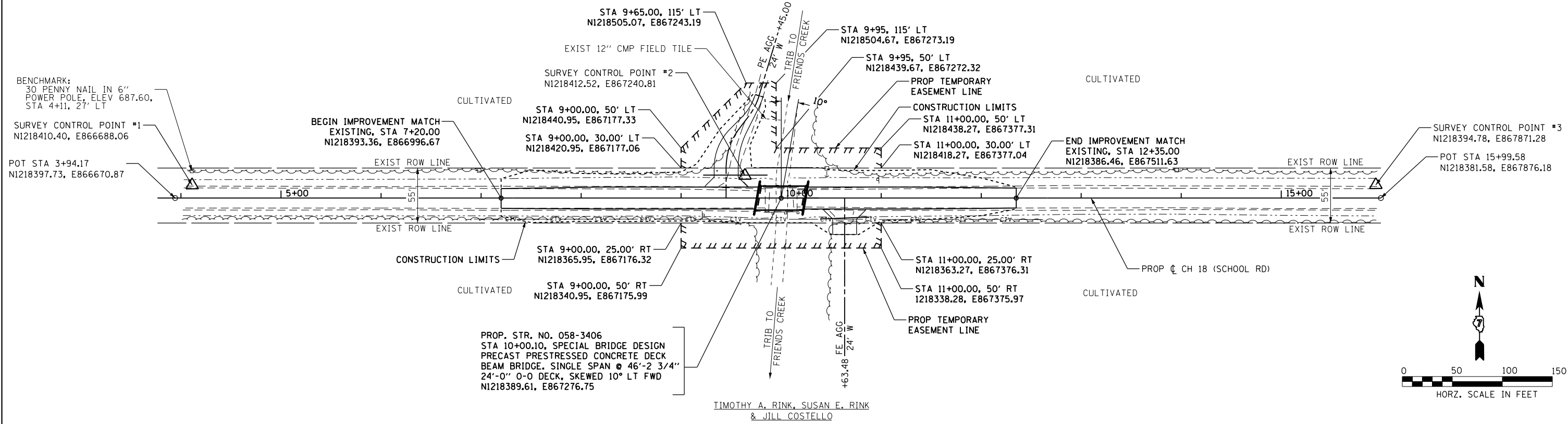
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GRADES CHECKED	
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DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
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CADD FILE NAME	



FILE NAME =	USER NAME = matt.pope	DESIGNED - JAC	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE</b> <b>CH 18 (SCHOOL RD) OVER TRIB TO FRIENDS CREEK</b>	RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT DATE = 3/15/2019	CHECKED - MJP	REVISED -			CONTRACT NO. 95852					
		DATE - 1/18/2019	REVISED -			ILLINOIS FED. AID PROJECT					

LOREN G. HISER TRUST &  
MELINDA J. HISER TRUST



TIMOTHY A. RINK, SUSAN E. RINK  
& JILL COSTELLO

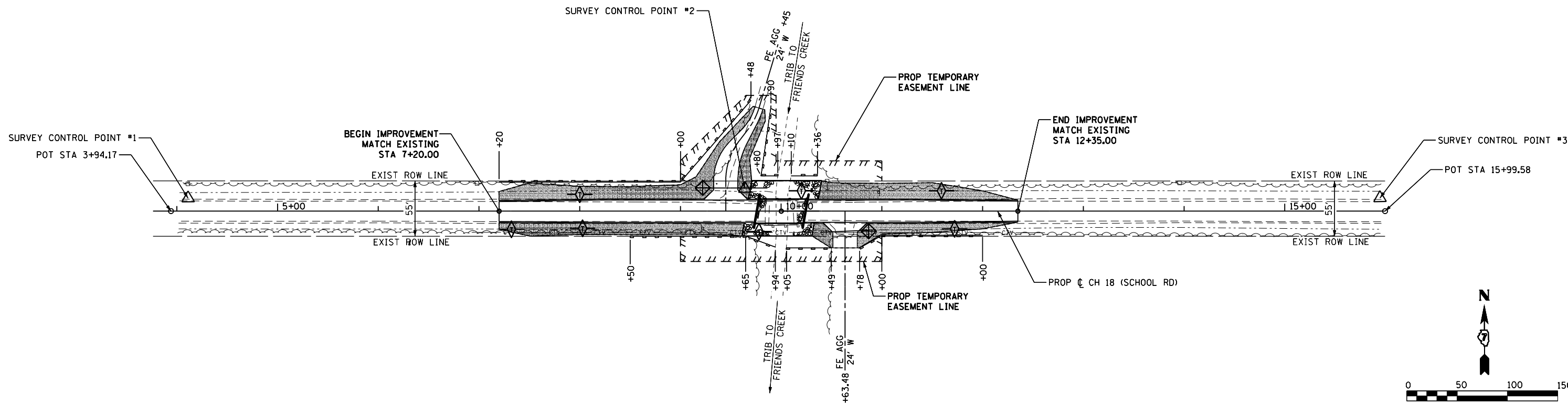
**PROPOSED STRUCTURE LAYOUT**

<b>WEST ABUTMENT</b>	<b>EAST ABUTMENT</b>
BK OF W ABUT STA 9+75.38 N1218389.94, E867252.03	BK OF E ABUT STA 10+24.82 N1218389.28, E867301.47
☐ OF BENT W ABUT STA 9+76.69 N1218389.92, E867253.34	☐ OF BENT E ABUT STA 10+23.51 N1218389.30, E867300.16

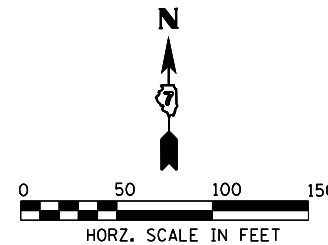
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S:\60489840 Macon-CH18-School Rd\900-Work\910-CAD\Layout.sht.001.dgn		DRAWN - DCS	REVISED -			CH 18	15-00275-00-BR	MACON	21	8	
Default		CHECKED - MJP	REVISED -			CONTRACT NO. 95852			ILLINOIS FED. AID PROJECT		
		DATE - 1/18/2019	REVISED -			SCALE: 1"=50'	SHEET 1 OF 1 SHEETS	STA. 7+20.00 TO STA. 12+35.00			



LOREN G. HISER TRUST &  
MELINDA J. HISER TRUST



TIMOTHY A. RINK, SUSAN E. RINK  
& JILL COSTELLO



**LEGEND**

- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER
- STONE RIPRAP
- SEEDING, CLASS 2
- TEMPORARY EASEMENT
- EXISTING R.O.W.
- CONSTRUCTION LIMITS

FILE NAME =	USER NAME = matt.pope	DESIGNED - JAC	REVISED -
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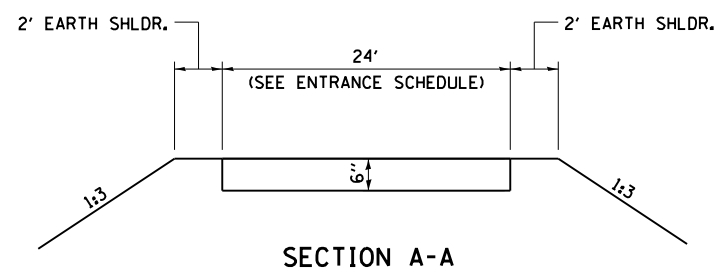
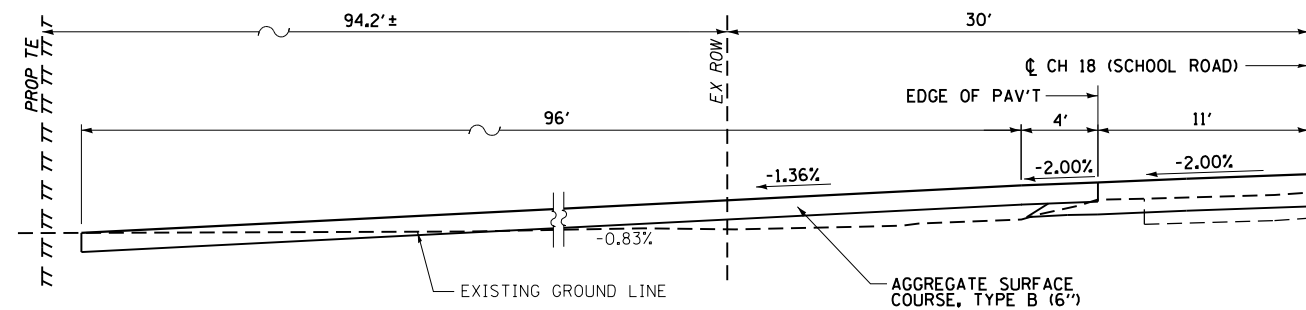
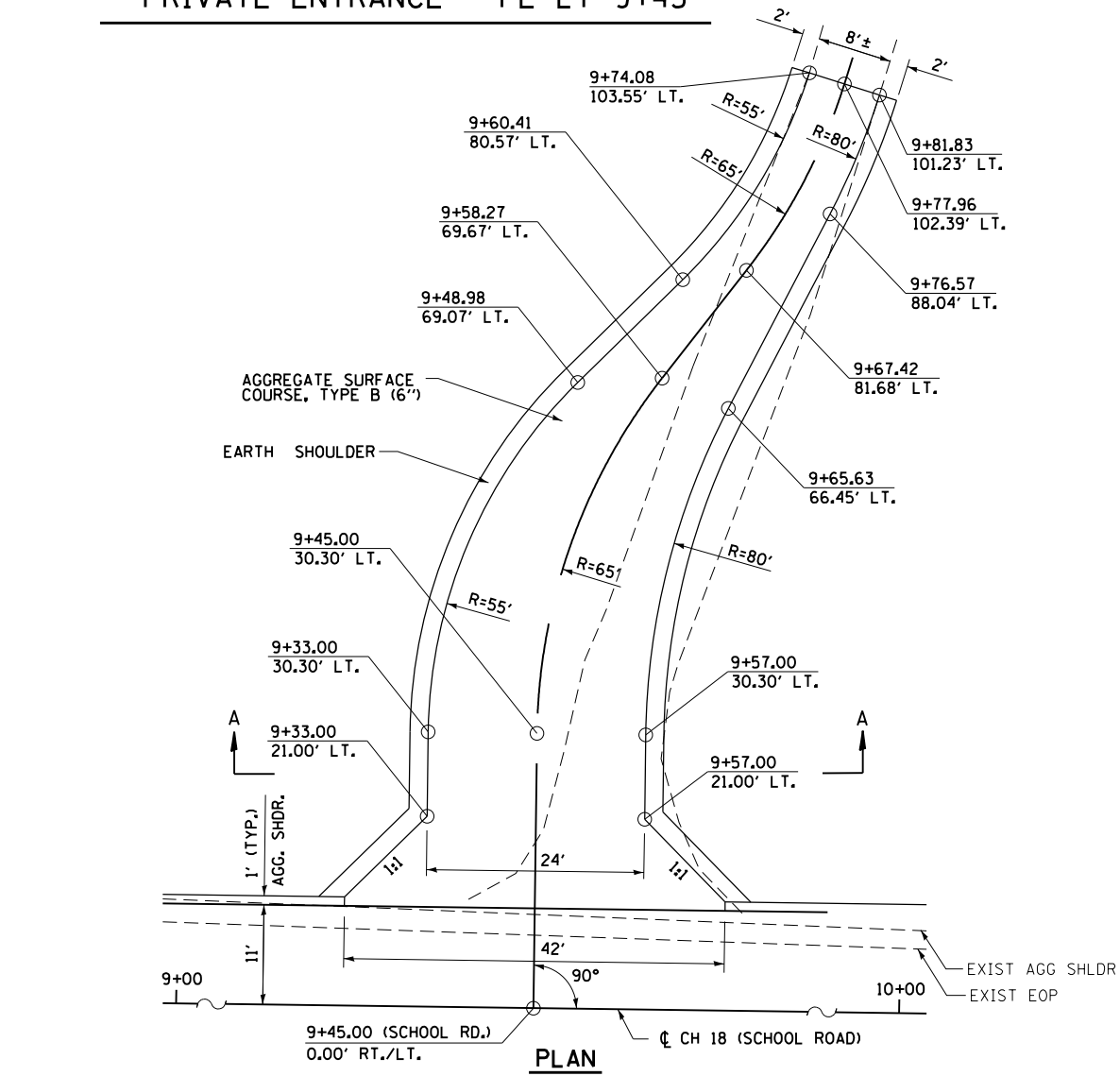
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**EROSION CONTROL PLAN**  
**CH 18 (SCHOOL RD) OVER TRIB TO FRIENDS CREEK**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 7+20.00 TO STA. 12+35.00

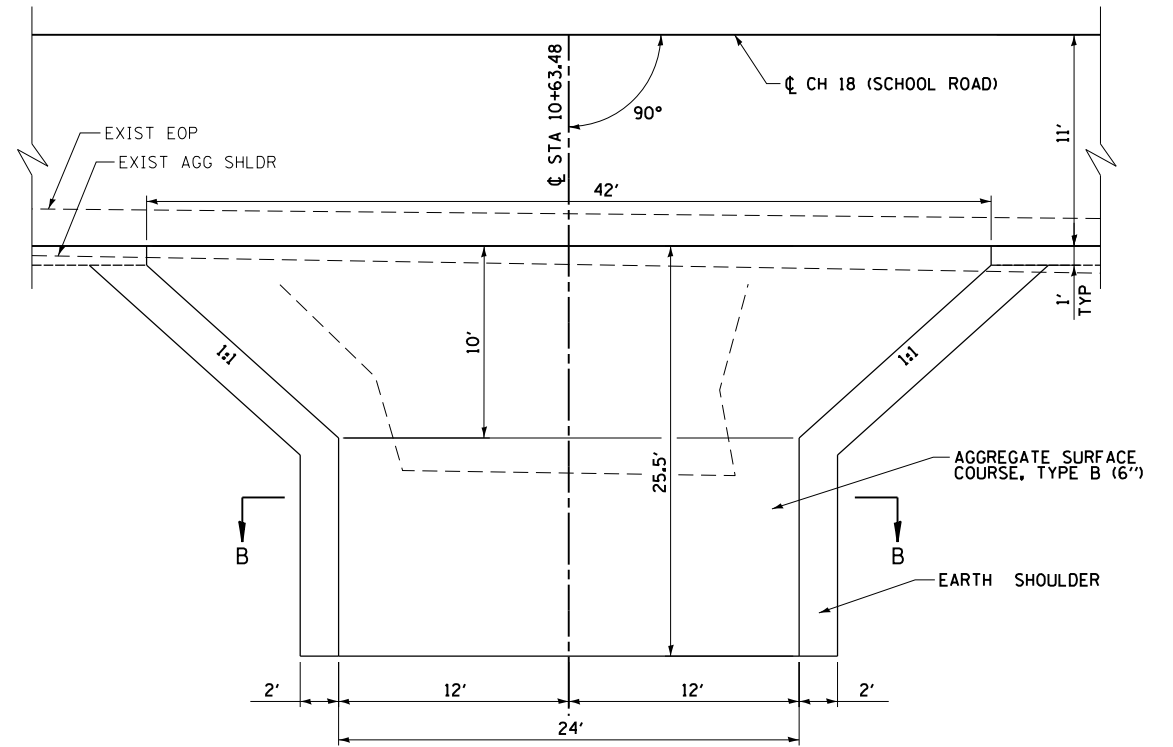
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 18	15-00275-00-BR	MACON	21	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 95852	

**PRIVATE ENTRANCE - PE LT 9+45**

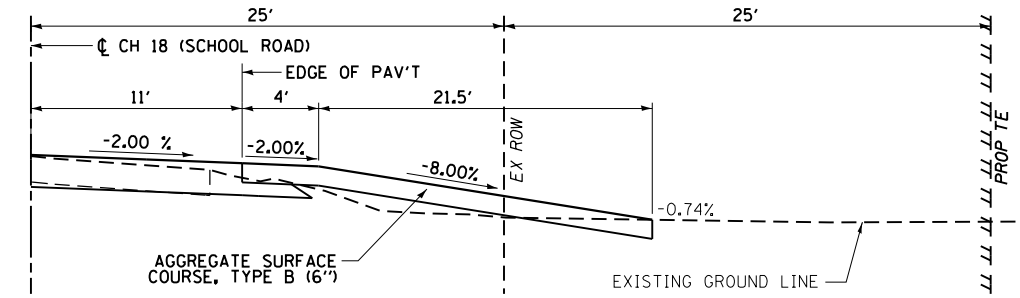


NOTE: EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.

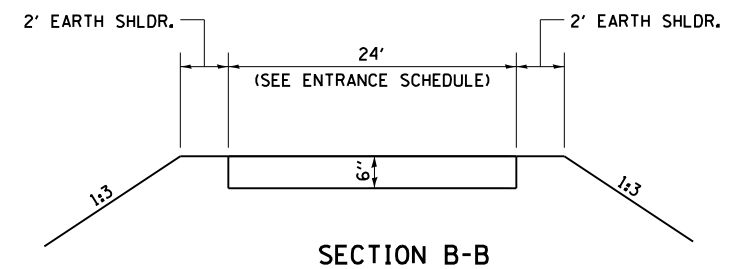
**FIELD ENTRANCE - FE RT 10+63.48**



**PLAN**



**PROFILE**



FILE NAME =	USER NAME = matt.pope	DESIGNED - JAC	REVISED -
S:\60489840 Macon-CH18-School Rd\900-Work\910-CAD\Ent_Det.sht.001.dgn		DRAWN - DCS	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED - MJP	REVISED -
	PLOT DATE = 3/15/2019	DATE - 1/18/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ENTRANCE DETAILS</b>		RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>CH 18 (SCHOOL RD) OVER TRIB TO FRIENDS CREEK</b>		CH 18	15-00275-00-BR	MACON	21	10
SCALE: N.T.S.		SHEET 1 OF 1 SHEETS		STA.	TO STA.	

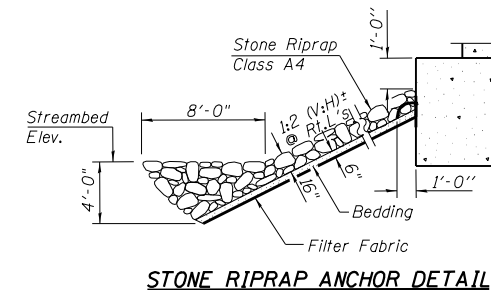
		COUNTY	TOTAL SHEETS	SHEET NO.
		MACON	21	10
		CONTRACT NO. 95852		
		ILLINOIS FED. AID PROJECT		

Benchmark: 30-penny nail in 6" power pole, Sta. 4+11.27' Lt. = Elev. 687.60.

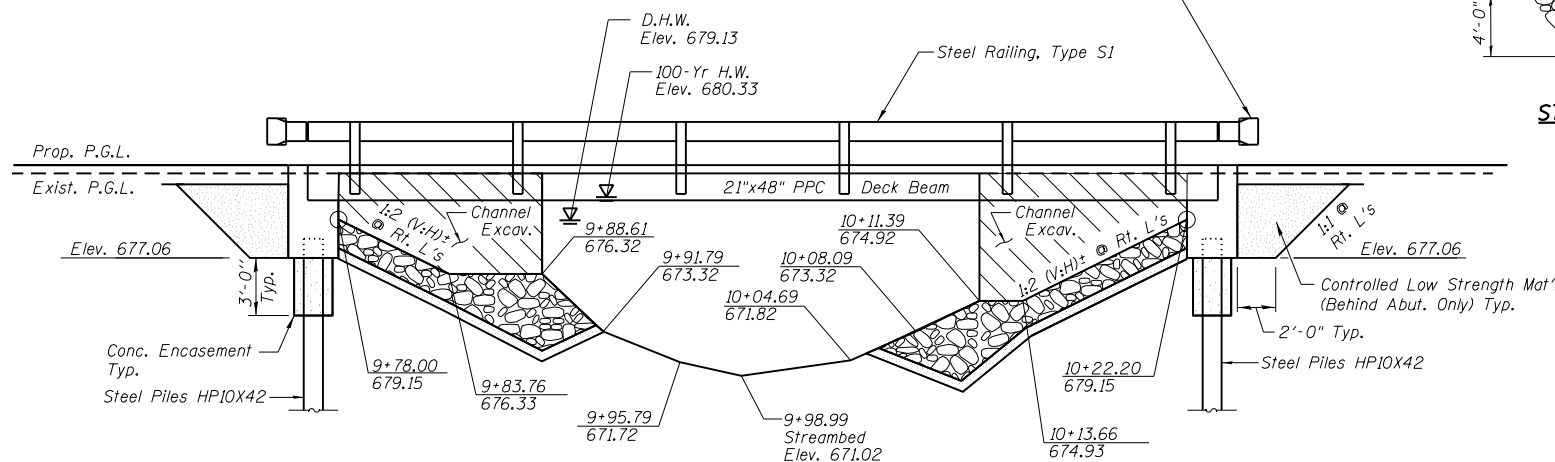
Existing Structure: Built in 1977, the existing structure is a single span with precast deck beams on concrete and timber abutments. The structure is approximately 32' face to face of abutments and 23.7' wide out to out of deck. Existing structure is to be removed and replaced. The existing roadway will be closed during construction.

No salvage.

Curled End Section - All 4 Quadrants  
Cost Included in Steel Railing, Type S1  
(See Details on Sht. 4 of 6)

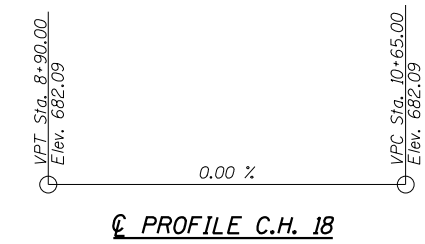


STONE RIPRAP ANCHOR DETAIL



ELEVATION

(Looking North - Upstream)



PROFILE C.H. 18

TRIB TO FRIENDS CREEK  
BUILT 2019 BY MACON COUNTY  
C.H. 18 STA. 10+00.10  
SECTION 15-00275-00-BR  
STR. NO. 058-3406 LOADING HL-93  
DU BOIS BRIDGE

NAME PLATE  
See Std. 515001

DESIGN SPECIFICATIONS

2014 AASHTO LRFD - 7th Edition  
with 2015 & 2016 Interim Revisions

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

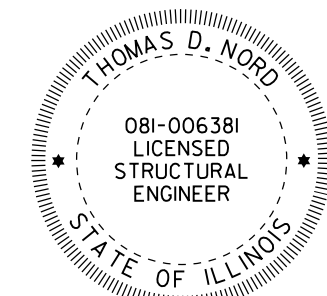
$f'_c = 3,500$  p.s.i.  
 $f_y = 60,000$  p.s.i. (Reinforcement)  
 $n = 9$

PPC UNITS

$f'_c = 5,000$  p.s.i.  
 $f'_c = 6,000$  p.s.i.  
 $f'_s = 270,000$  p.s.i.  
 $f'_{si} = 201,960$  p.s.i.

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1  
Design Spectral Acceleration at 1.0 sec. ( $S_{D1}$ ) = 0.101 g  
Design Spectral Acceleration at 0.2 sec. ( $S_{D5}$ ) = 0.189 g  
Soil Site Class = C



Thomas D. Nord  
THOMAS D. NORD  
SIGNATURE DATE: 3/15/2019  
ILL. STRUCTURAL NO. 081-006381  
EXP. DATE: 11/30/2020

"I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT 'AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES'."

GENERAL NOTES

Layout of Stone Riprap, Class A4 may be varied in the field to suit ground conditions as directed by the Engineer.

See Proposal for Boring Data.

Reinforcement Bars shall conform to the requirements of ASTM A 706, Grade 60. See Special Provisions.

The Contractor shall drive one Metal Shell Test Pile in a permanent location at the West Abutment and East Abutment as directed by the Engineer before ordering the remainder of piles.

Excavation required for abutment construction shall be included in Concrete Structures. No additional compensation will be provided for Structure Excavation.

WATERWAY INFORMATION

Drainage Area = 3.4 Sq. Mi. Existing Low Grade Elev. 681.06 @ Sta. 9+00.00  
Proposed Low Grade Elev. 682.09 @ Sta. 10+00.00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head-Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	15	458	147	197	679.13	0.03	0.00	679.16	679.13
Base	100	760	170	241	680.33	0.21	0.06	680.54	680.39
Overtopping									
Max. Calc.	500	1010	170	241	680.73	0.47	0.15	681.20	680.88

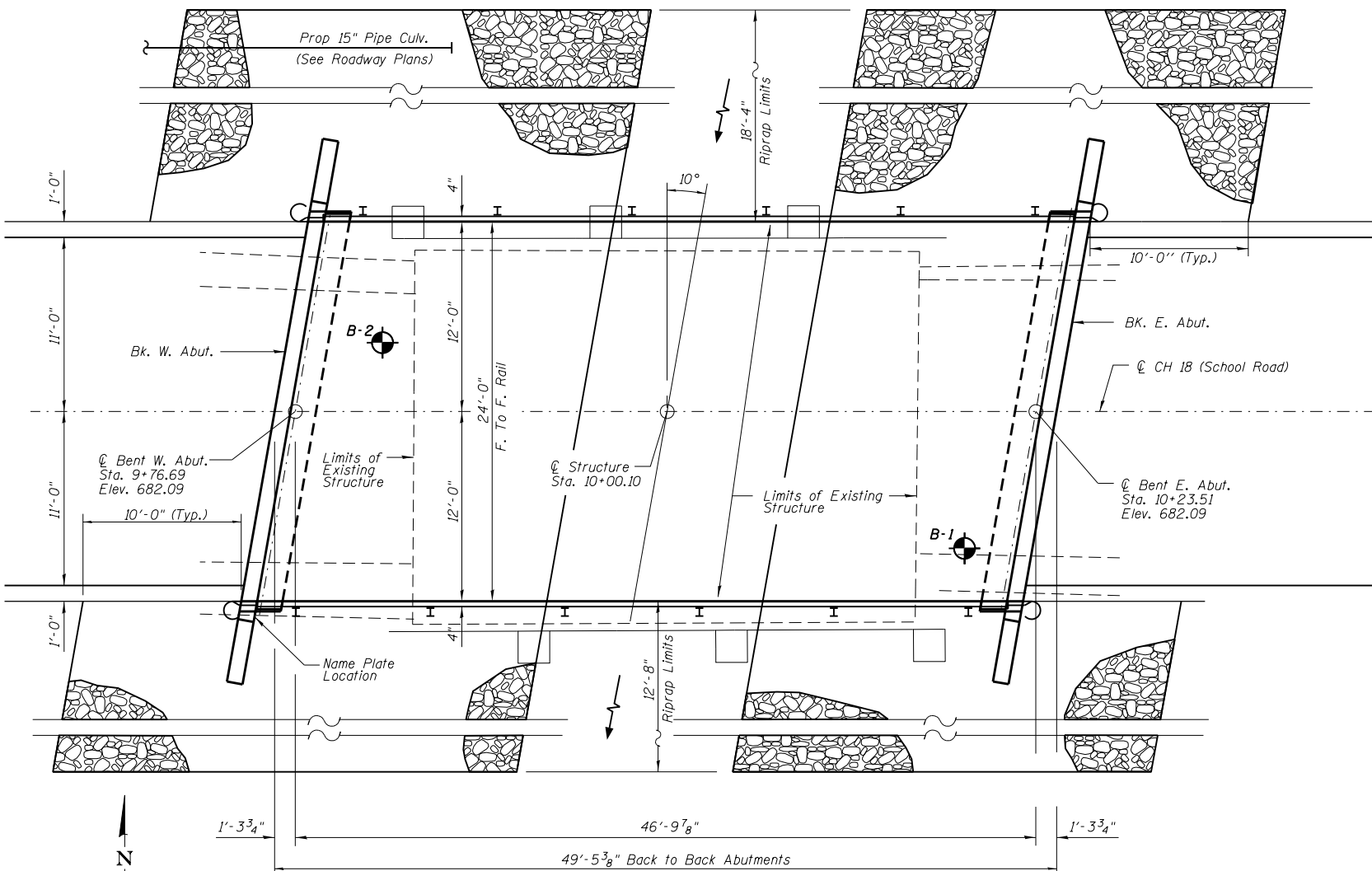
Low Beam Elev. (Prop.) = 680.15

DESIGN SCOUR ELEVATION TABLE

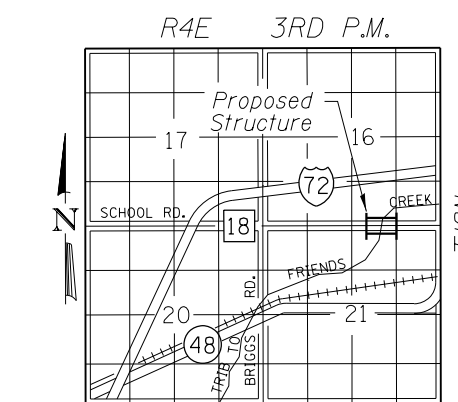
Event/Limit State	Design Scour Elev. (ft.)		Item 113
	West Abut.	East Abut.	
Design	677.06	677.06	8
Check	677.06	677.06	

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu Yd		251	251
Stone Riprap, Class A4	Ton		190	190
Filter Fabric	Sq Yd		297	297
Removal of Existing Structures	Each		1	1
Concrete Structures	Cu Yd		21.5	21.5
Concrete Encasement	Cu Yd		3.4	3.4
PPC Deck Beams (21" Depth)	Sq Ft	1138		1138
Reinforcement Bars, Epoxy Coated	Pound		3040	3040
Steel Railing, Type S1	Foot	95		95
Furnishing Steel Piles HP 10X42	Foot		432	432
Driving Piles	Foot		432	432
Test Piles Steel HP10X42	Each		2	2
Name Plates	Each		1	1
Controlled Low-Strength Material	Cu Yd		31.6	31.6
Terminal Marker-Direct Applied	Each	4		4



PLAN



LOCATION SKETCH

FILE NAME = GPE.dgn	DESIGNED - MJP	REVISED -
PLOT DATE = 3/15/2019	DRAWN - DCS	REVISED -
PLOT TIME = 12:56:24 PM	CHECKED - TDN	REVISED -
	DATE - 5/3/2017	REVISED -

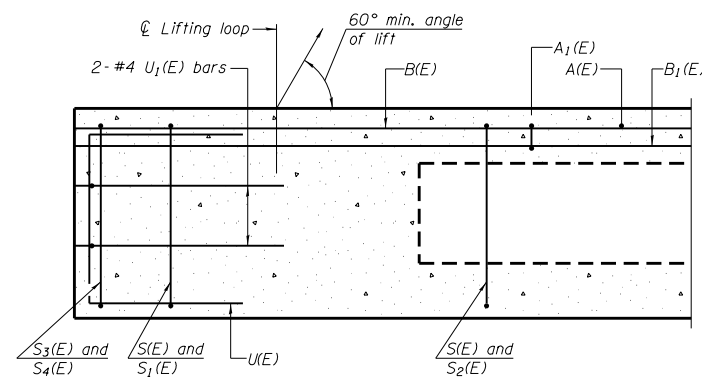
**AECOM** 345 EAST ASH AVE, SUITE B  
DECATUR, ILLINOIS 62526  
PH. 217-875-4800

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

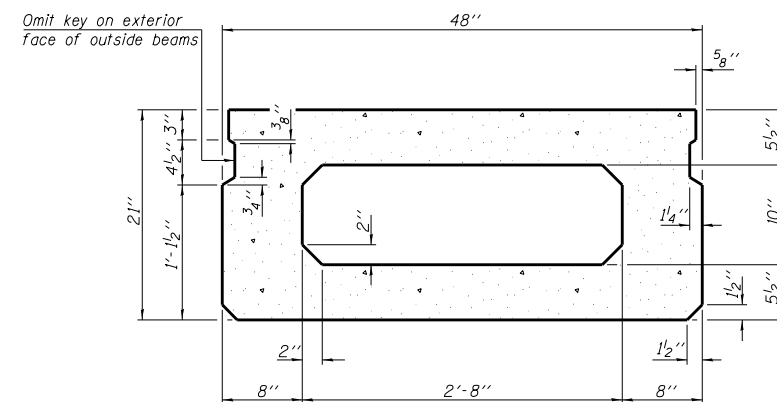
GENERAL PLAN AND ELEVATION  
STRUCTURE NO. 058-3406

SHEET 1 OF 6 SHEETS

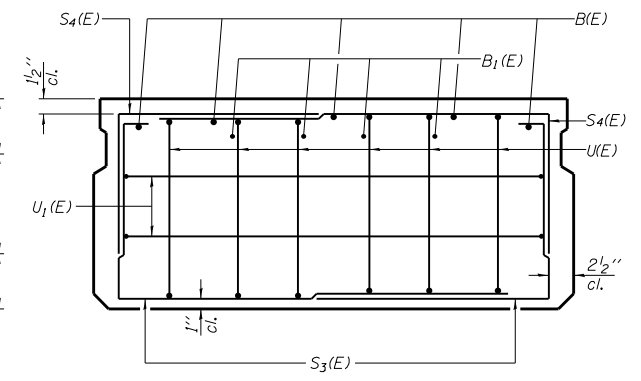
RT. CH 18	SECTION 15-00275-00-BR	COUNTY MACON	TOTAL SHEETS 21	SHEET NO. 11
			CONTRACT NO. 95852	
ILLINOIS FED. AID PROJECT				



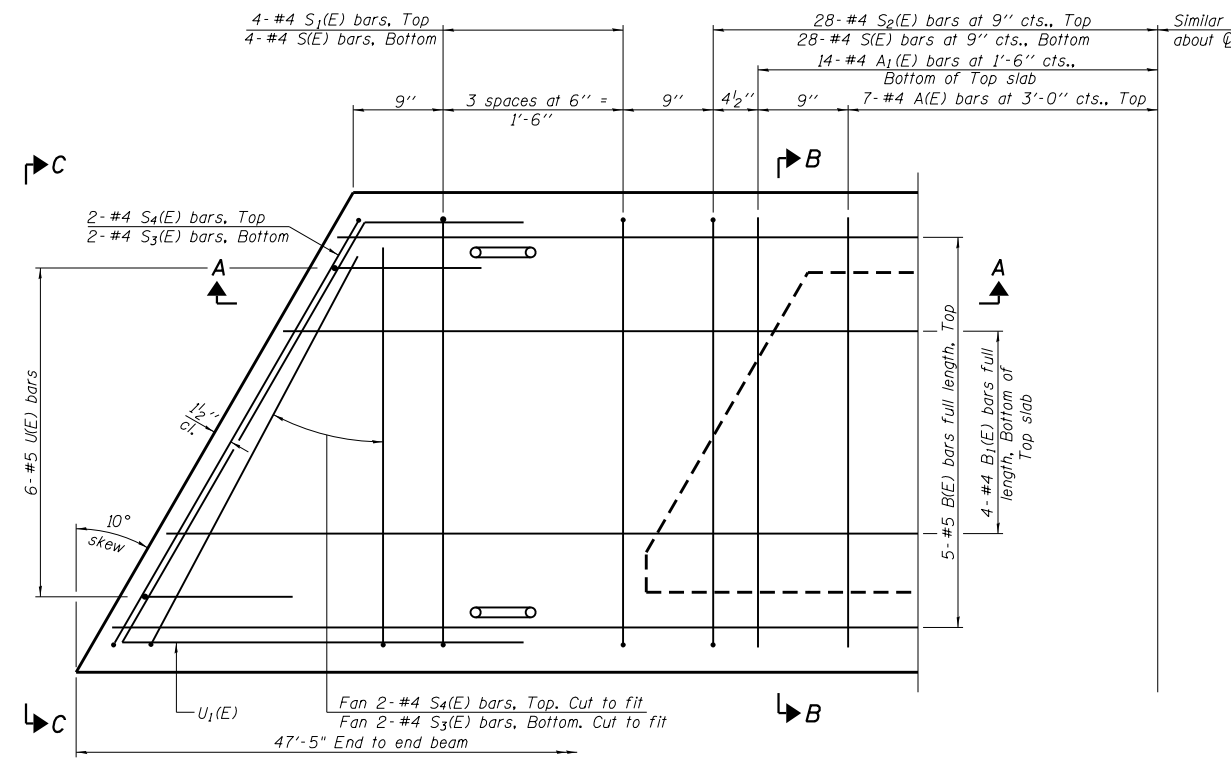
**SECTION A-A**



**SECTION B-B**  
(Showing dimensions)

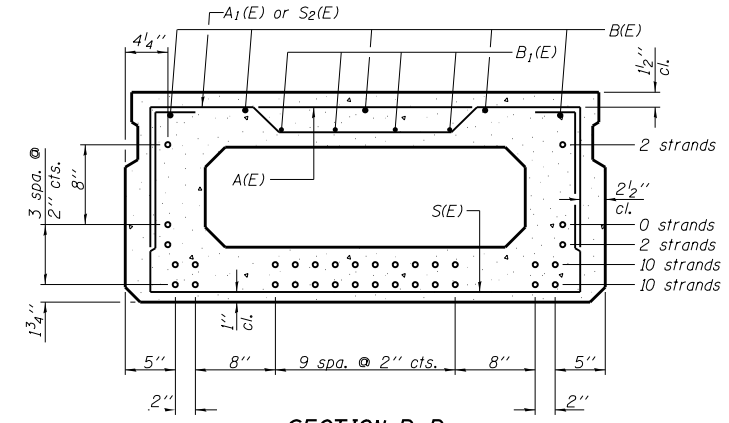


**VIEW C-C**



**PLAN VIEW**

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



**SECTION B-B**

(Showing reinforcement and permissible strand locations)  
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

**BAR LIST**  
**ONE BEAM ONLY**  
(For information only)

Bar	No.	Size	Length	Shape
A(E)	14	#4	3'-7"	
A1(E)	28	#4	3'-10"	
B(E)	5	#5	47'-2"	
B1(E)	4	#4	47'-2"	
S(E)	64	#4	7'-5"	
S1(E)	8	#4	5'-11"	
S2(E)	56	#4	6'-2"	
S3(E)	12	#4	4'-8"	
S4(E)	12	#4	3'-11"	
U(E)	12	#5	4'-0"	
U1(E)	4	#4	6'-8"	

Note: See sheet 3 of 6 for additional details and Bill of Material.

**MINIMUM BAR LAP**

#4 bar = 1'-11"  
#5 bar = 2'-6"

PD-2148-L 2-17-17

FILE NAME = 21x48.dgn	DESIGNED - MJP	REVISED -
PLOT DATE = 3/15/2019	DRAWN - DCS	REVISED -
PLOT TIME = 12:23:05 PM	CHECKED - TDN	REVISED -
	DATE - 5/3/2017	REVISED -

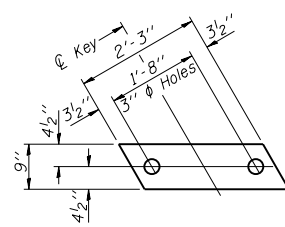
**AECOM** 345 EAST ASH AVE, SUITE B  
DECATUR, ILLINOIS 62526  
PH. 217-875-4800

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

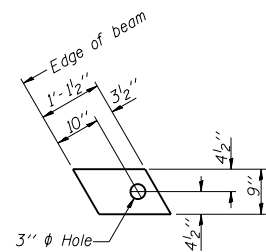
**SUPERSTRUCTURE DETAILS**  
**STRUCTURE NO. 058-3406**

SHEET 2 OF 6 SHEETS

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 18	15-00275-00-BR	MACON	21	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 95852	



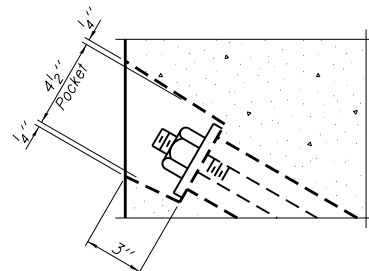
**FABRIC BEARING PAD**  
(Interior)



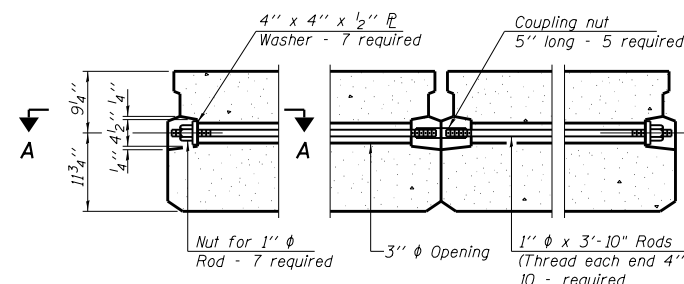
**FABRIC BEARING PAD**  
(Exterior)

**Notes:**  
All bearing pads shall be 1" thick.  
Omit holes when using expansion bearings.  
Expansion bearing pad shall be bonded to the substructure.

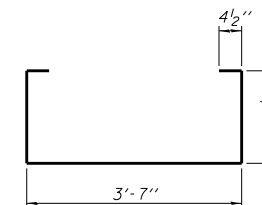
**FIXED**



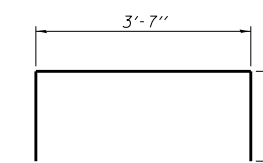
**SECTION A-A**



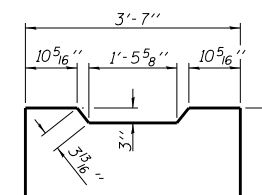
**TYPICAL TRANSVERSE TIE ASSEMBLY**



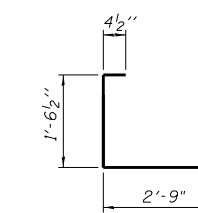
**BAR S1(E)**



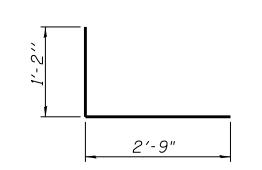
**BAR S2(E)**



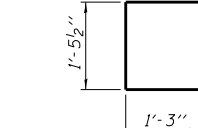
**BAR S3(E)**



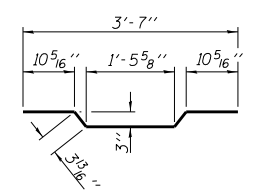
**BAR S4(E)**



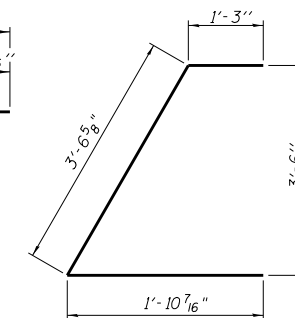
**BAR U1(E)**



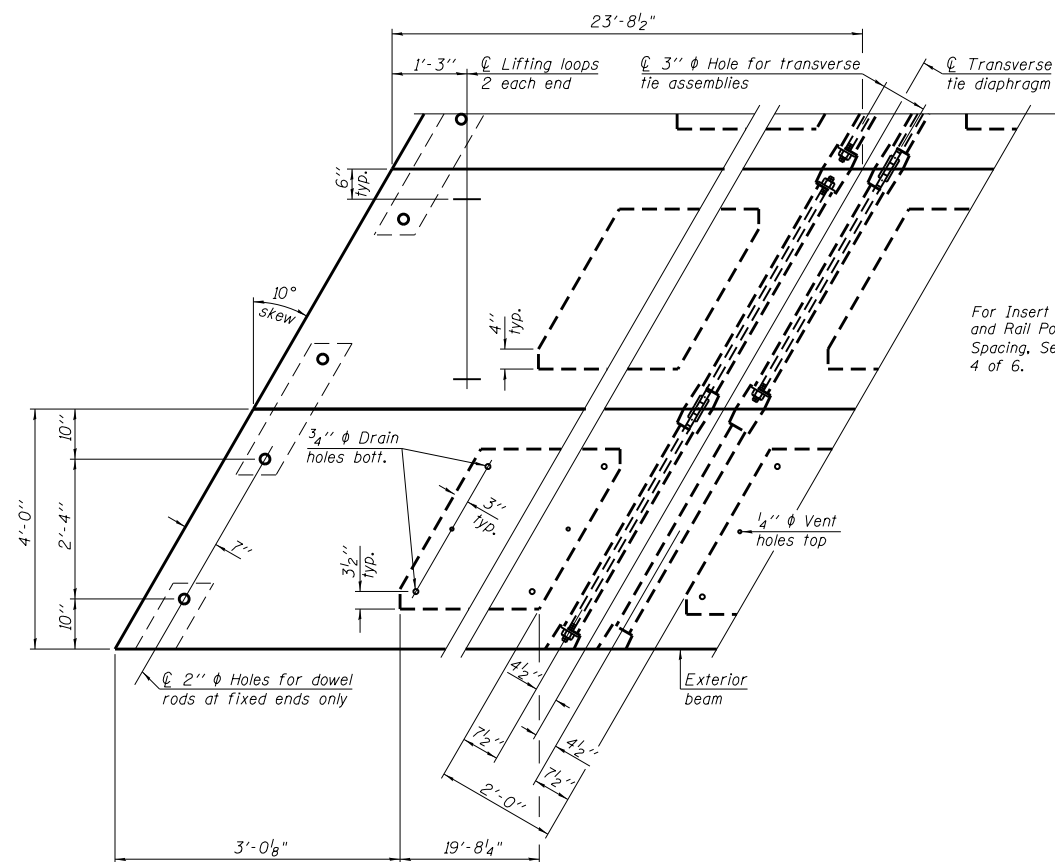
**BAR U2(E)**



**BAR A1(E)**



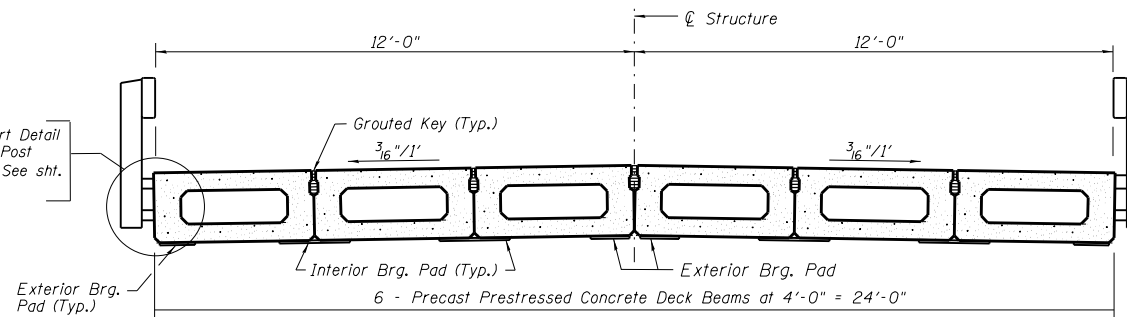
**BAR U3(E)**



**PLAN VIEW**

Typ. Opposite End of Beam

Note: Connect beams in pairs with the transverse tie configuration shown.

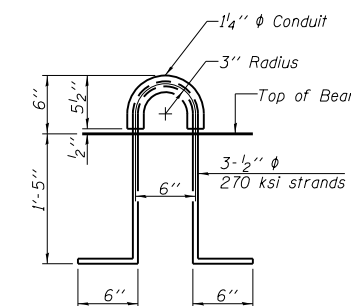


**CROSS SECTION**

For Insert Detail and Rail Post Spacing, See sht. 4 of 6.

**NOTES**

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" phi rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Two 5/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" phi lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.



**LIFTING LOOP DETAIL**

**BILL OF MATERIAL**

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1138

PD-2148-LD 2-17-17

FILE NAME = 21x48.dgn	DESIGNED - MJP	REVISED -
PLOT DATE = 3/15/2019	DRAWN - DCS	REVISED -
PLOT TIME = 12:56:57 PM	CHECKED - TDN	REVISED -
	DATE - 5/3/2017	REVISED -

**AECOM** 345 EAST ASH AVE, SUITE B  
DECATUR, ILLINOIS 62526  
PH. 217-875-4800

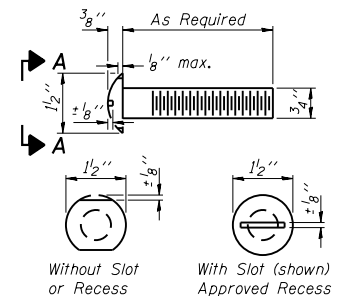
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS**  
**STRUCTURE NO. 058-3406**

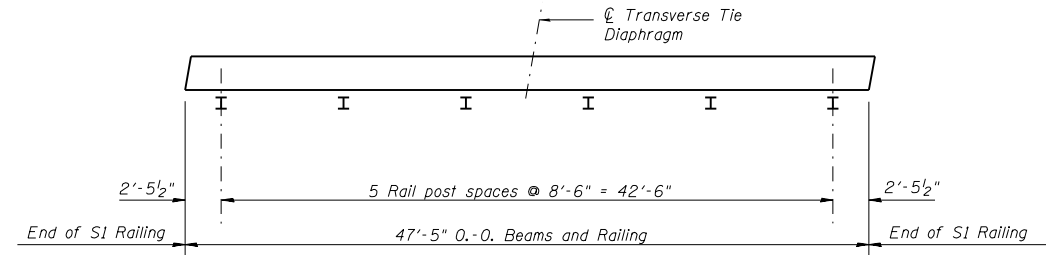
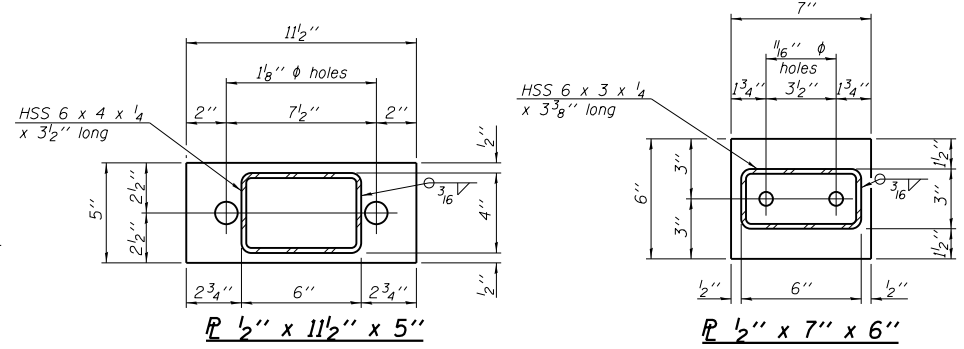
SHEET 3 OF 6 SHEETS

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 18	15-00275-00-BR	MACON	21	13
CONTRACT NO. 95852				

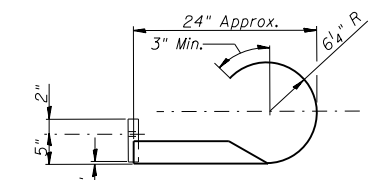
ILLINOIS FED. AID PROJECT



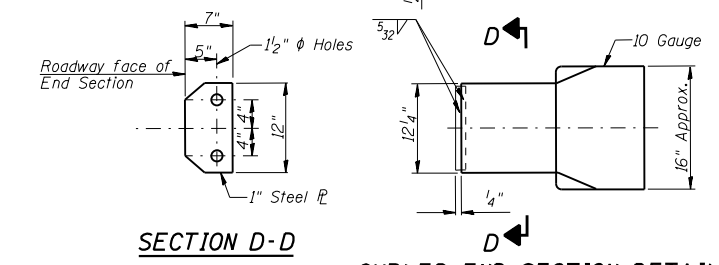
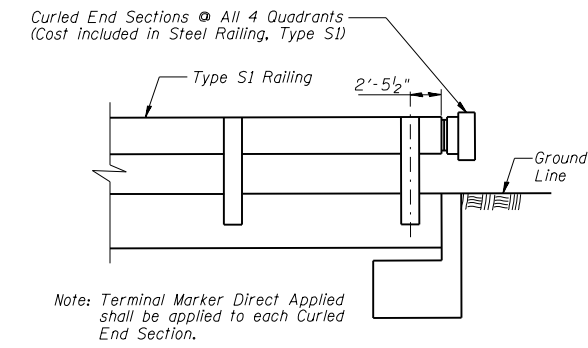
**VIEW A-A**  
**ROUND HEAD BOLT**



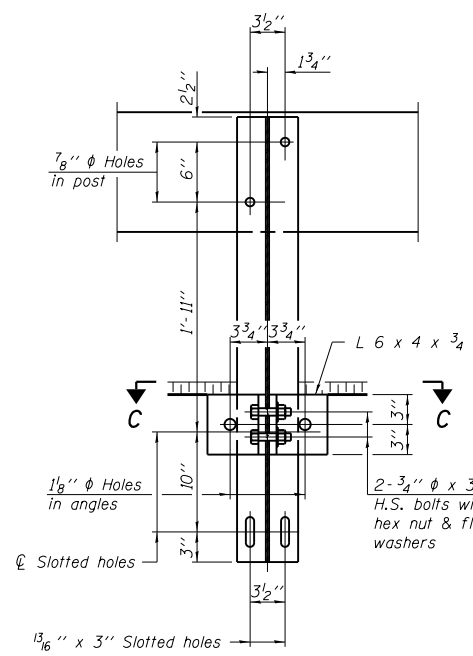
**PLAN VIEW - EXTERIOR BEAMS**  
(Showing Rail Post Spacing)



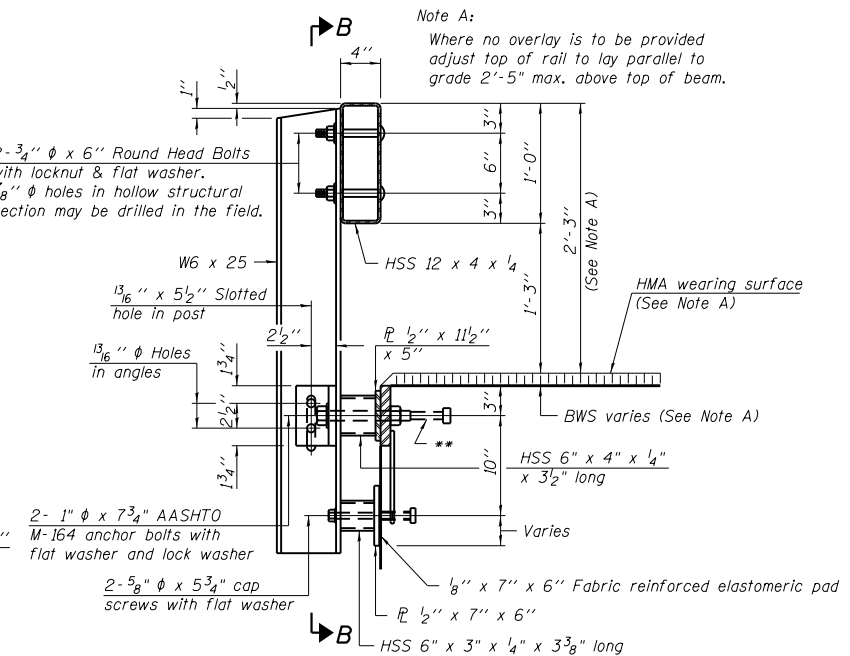
**CURLLED END SECTION DETAILS**  
(4 Required)



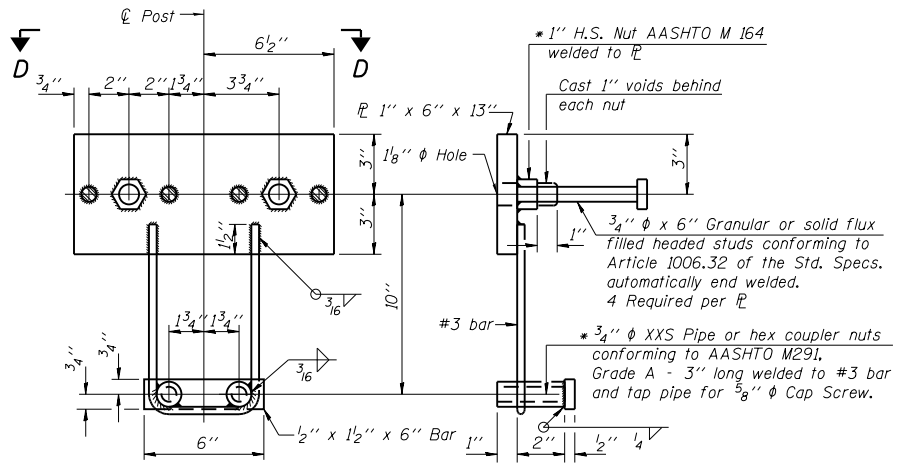
**SECTION D-D**



**SECTION B-B**



**SECTION AT RAILING POST**



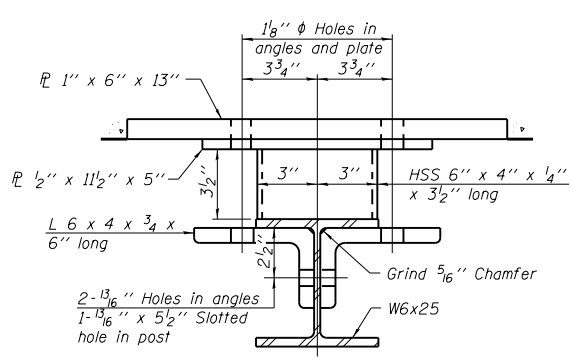
**ANCHOR DEVICE**

**SPLICE DIMENSIONS**

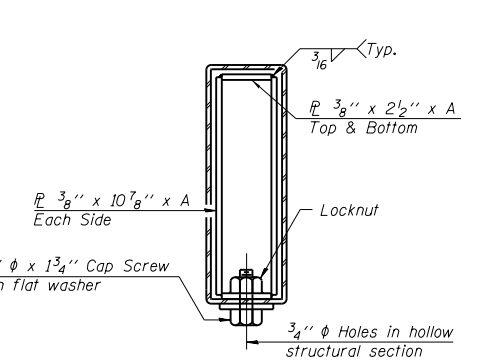
T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	4"	1'-8"	2"	4"	

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

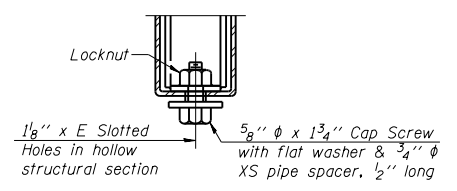
Notes:  
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S1.  
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.  
\*\* The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.



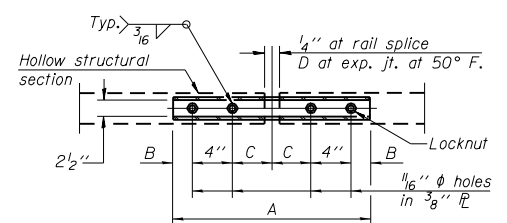
**SECTION C-C**



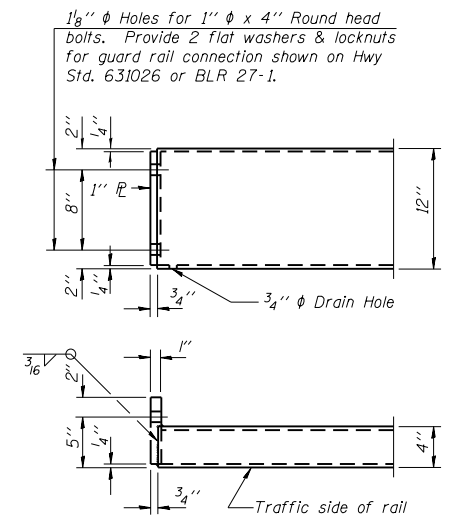
**SECTIONS AT RAIL SPLICE**



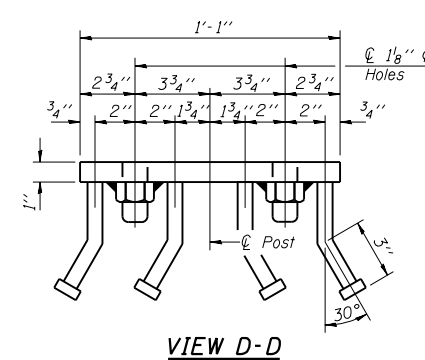
**RAIL SPLICE CONNECTION AT EXPANSION JT.**



**PLAN-BOTT. SPLICE R TYPICAL**



**END OF RAIL DETAILS**



**VIEW D-D**

**BILL OF MATERIAL**

Item	Unit	Quantity
Steel Railing, Type S1	Foot	95
Terminal Marker Direct Applied	Each	4

R-23A 8-11-17 (10'-9" Maximum Post Spacing)

FILE NAME = S1 Railing.dgn	DESIGNED - MJP	REVISED -
PLOT DATE = 3/15/2019	DRAWN - DCS	REVISED -
PLOT TIME = 1:01:25 PM	CHECKED - TDN	REVISED -
	DATE - 5/3/2017	REVISED -

**AECOM** 345 EAST ASH AVE, SUITE B  
DECATUR, ILLINOIS 62526  
PH. 217-875-4800

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

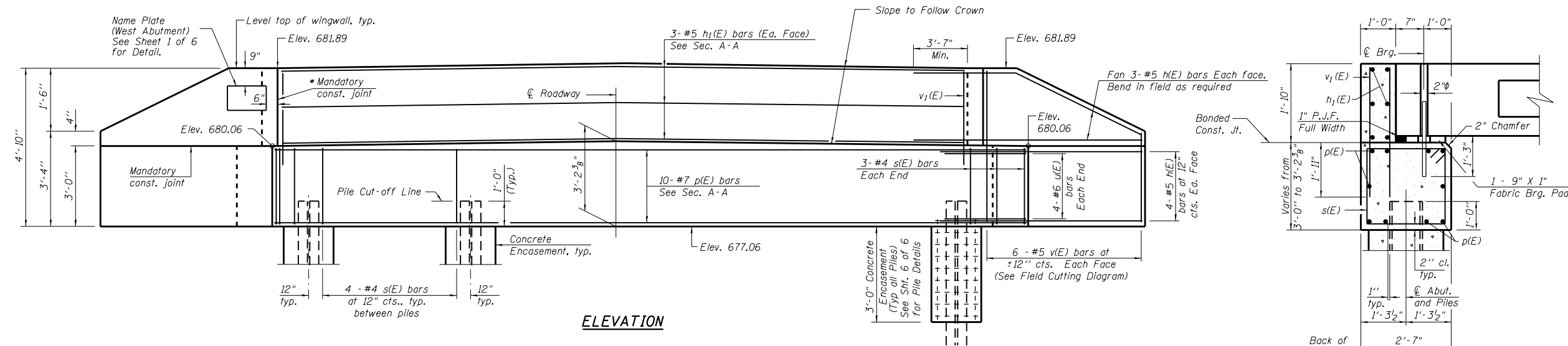
**STEEL RAILING**  
**STRUCTURE NO. 058-3406**

SHEET 4 OF 6 SHEETS

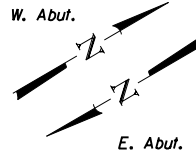
RT. CH 18	SECTION 15-00275-00-BR	COUNTY MACON	TOTAL SHEETS 21	SHEET NO. 14
			CONTRACT NO. 95852	

ILLINOIS FED. AID PROJECT

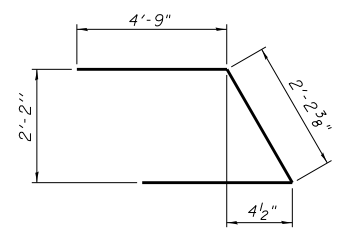
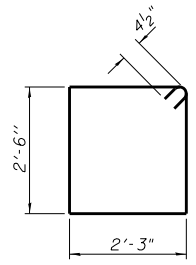
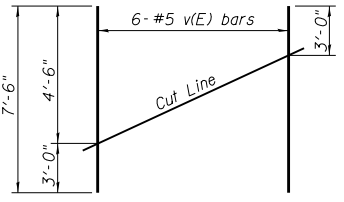
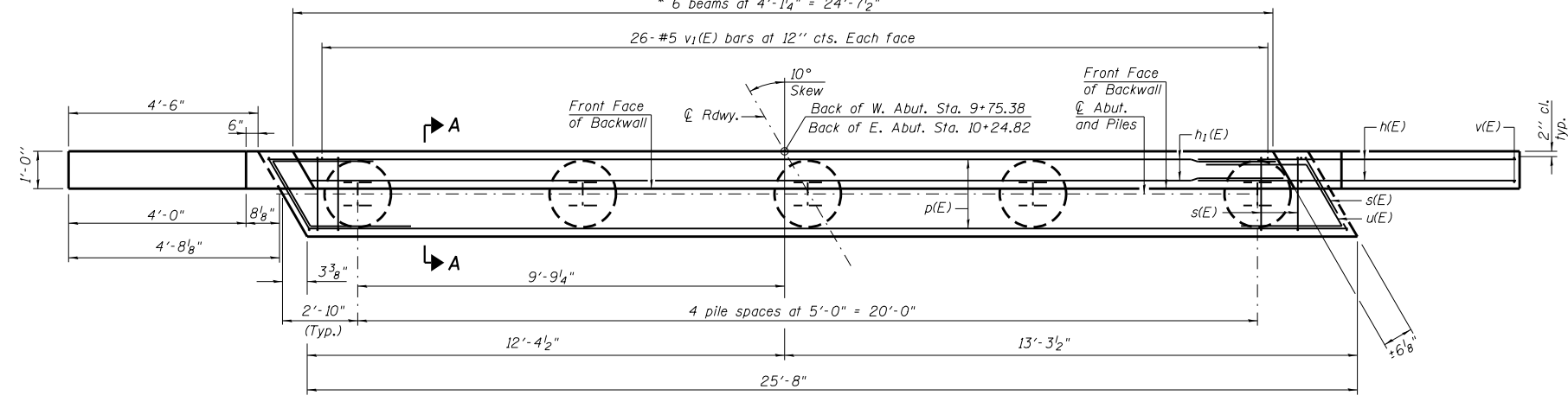
\* Cast top of wingwall flush with exterior beam face after beams have been erected.



**SECTION A-A**  
(Dimensions are at Rt. L's)



\* Accounts for skew and 1/2" beam overrun per beam  
 \* 6 beams at 4'-1 1/4" = 24'-7 1/2"



- NOTES**
- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
  - 1" dia. x 2'-6" dowel rods in 1 1/2" dia. holes drilled in cap (2 each beam). Dowel rods to be grouted after beams are in place and allowed to cure (min. 24 hrs.) prior to grouting the shear keys. The grout shall be an approved non-shrink grout.
  - Reinforcement bars designated (E) shall be Epoxy coated.
  - Reinforcement bars shall conform to the requirements of A.S.T.M A706 Grade 60.
  - Space reinforcement in cap to miss dowel rods.
  - For details of piles and Concrete Encasement, see sheet 6 of 6.
  - Ends of abutment cap shall be constructed parallel to ϕ of Roadway.
  - North arrow is depicted relative to ϕ Rdwy., not relative to abutment. See GP&E sheet for a depiction of north arrow relative to abutment.

**DESIGN STRESSES**

f'<sub>c</sub> = 3,500 psi  
 f<sub>y</sub> = 60,000 psi

**BILL OF MATERIAL WEST AND EAST ABUTMENTS**

Bar	No.	Size	Length	Shape
h(E)	56	#5	9'-1"	—
h <sub>1</sub> (E)	12	#5	24'-4"	—
p(E)	20	#7	25'-4"	—
s(E)	44	#4	10'-3"	□
u(E)	16	#6	11'-9"	⌒
v(E)	24	#5	7'-6"	—
v <sub>1</sub> (E)	104	#5	3'-7"	—
Concrete Structures		Cu. Yd.	21.5	
Reinforcement Bars, Epoxy Coated		Pound	3040	
Furnishing Steel Piles HP10x42		Foot	432	
Driving Piles HP10x42		Foot	432	
Test Pile Steel HP10x42		Each	2	
Concrete Encasement		Cu. Yd.	3.4	

**PILE DATA**

**East Abutment**  
 Type: Steel HP 10x42  
 Nominal Required Bearing: 180 kips  
 Factored Resistance Available: 99 kips  
 Est. Length: 51'  
 No. Production Piles: 4  
 No. Test Piles: 1

**West Abutment**  
 Type: Steel HP 10x42  
 Nominal Required Bearing: 197 kips  
 Factored Resistance Available: 108 kips  
 Est. Length: 57'  
 No. Production Piles: 4  
 No. Test Piles: 1

AD-1721-L 2-17-2017

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PLOT TIME = 3:06:50 PM	CHECKED - TDN	REVISED -
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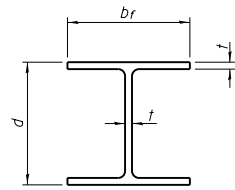
**AECOM** 345 EAST ASH AVE, SUITE B  
 DECATUR, ILLINOIS 62526  
 PH. 217-875-4800

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EAST AND WEST ABUTMENTS  
 STRUCTURE NO. 058-3406

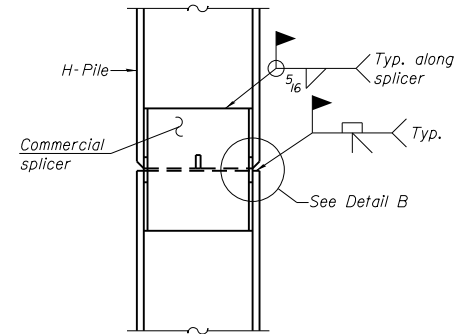
SHEET 5 OF 6 SHEETS

RT. 18	SECTION 15-00275-00-BR	COUNTY MACON	TOTAL SHEETS 21	SHEET NO. 15
CONTRACT NO. 95852			ILLINOIS FED. AID PROJECT	

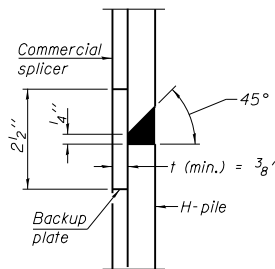


**STEEL PILE TABLE**

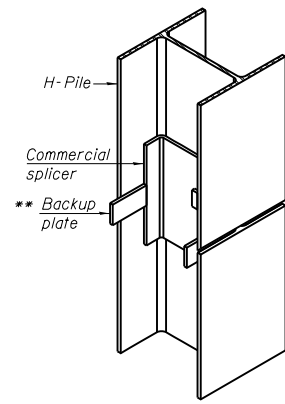
Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



**ELEVATION**

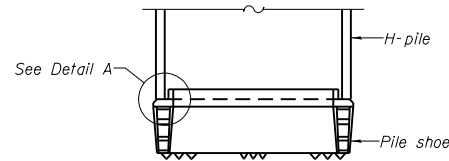


**DETAIL "B"**

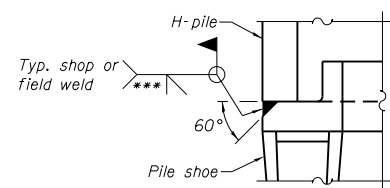


**ISOMETRIC VIEW**

**WELDED COMMERCIAL SPLICE**

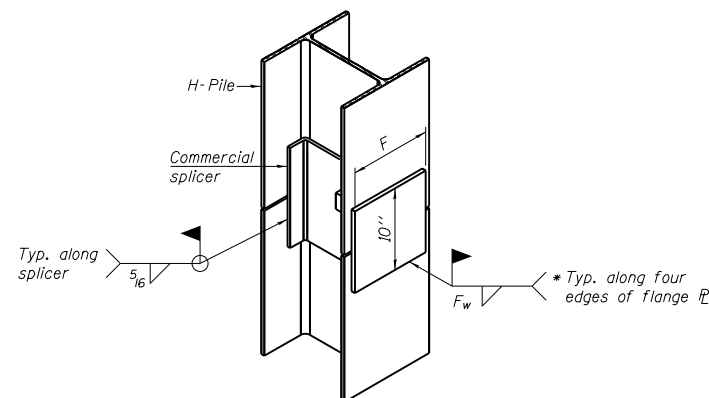


**ELEVATION**



**DETAIL A**

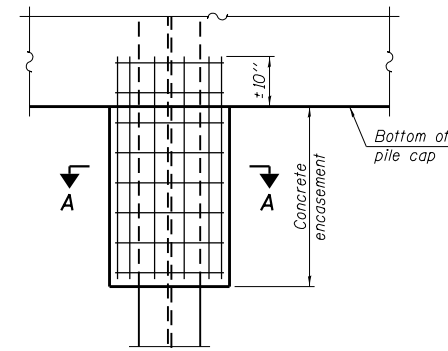
**H-PILE SHOE ATTACHMENT**



**ISOMETRIC VIEW**

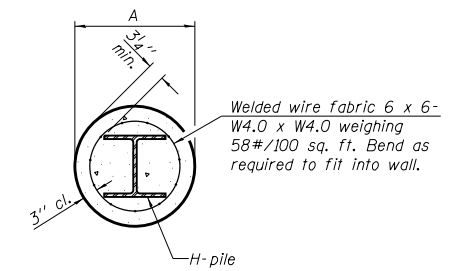
**WELDED COMMERCIAL SPLICE ALTERNATE**

- \* Interrupt welds 1/4" from end of web and/or each flange.
- \*\* Remove portions of backup plates that extend outside the flanges.
- \*\*\* Weld size per pile shoe manufacturer (5/16" min.).



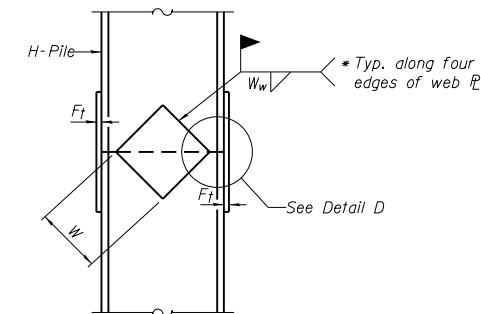
**ELEVATION**

**INDIVIDUAL PILE CONCRETE ENCASUREMENT**

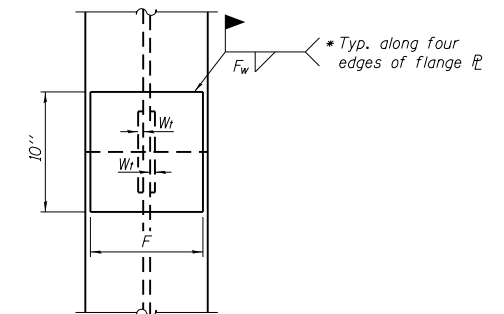


**SECTION A-A**

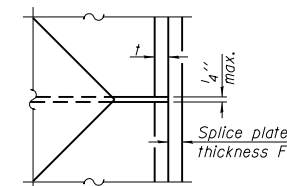
Note:  
Forms for encasement may be omitted when soil conditions permit.



**ELEVATION**



**END VIEW**



**DETAIL D**

**WELDED PLATE FIELD SPLICE**

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

Note:  
The steel H-piles shall be according to AASHTO M270 Grade 50.

F-HP 8-11-2017

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	DATE - 5/3/2017	REVISED -

**AECOM** 345 EAST ASH AVE, SUITE B  
DECATUR, ILLINOIS 62526  
PH. 217-875-4800

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PILE DETAILS  
STRUCTURE NO. 058-3406**

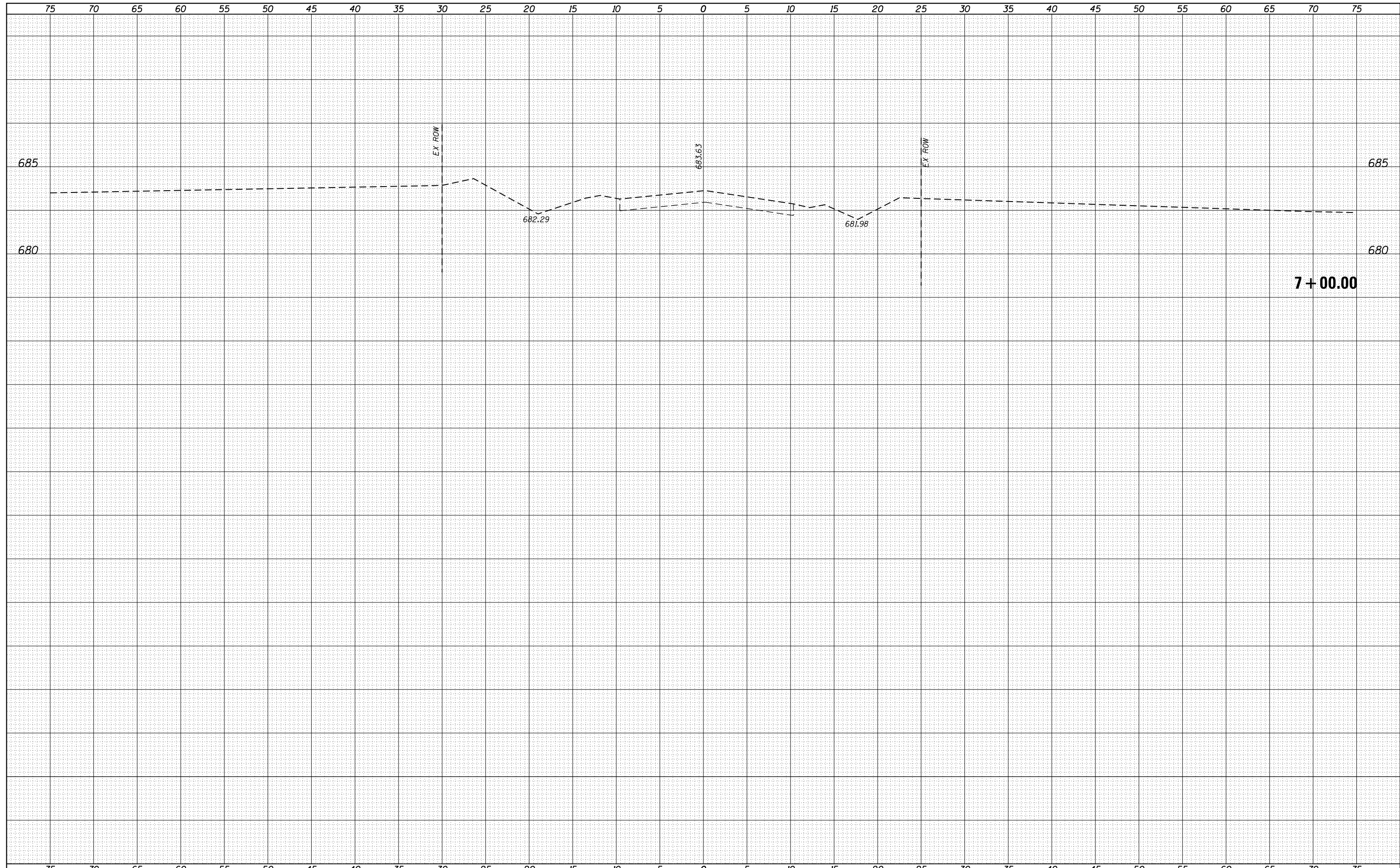
SHEET 6 OF 6 SHEETS

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 18	15-00275-00-BR	MACON	21	16
ILLINOIS FED. AID PROJECT			CONTRACT NO. 95852	



DATE	
BY	
SURVEYED	
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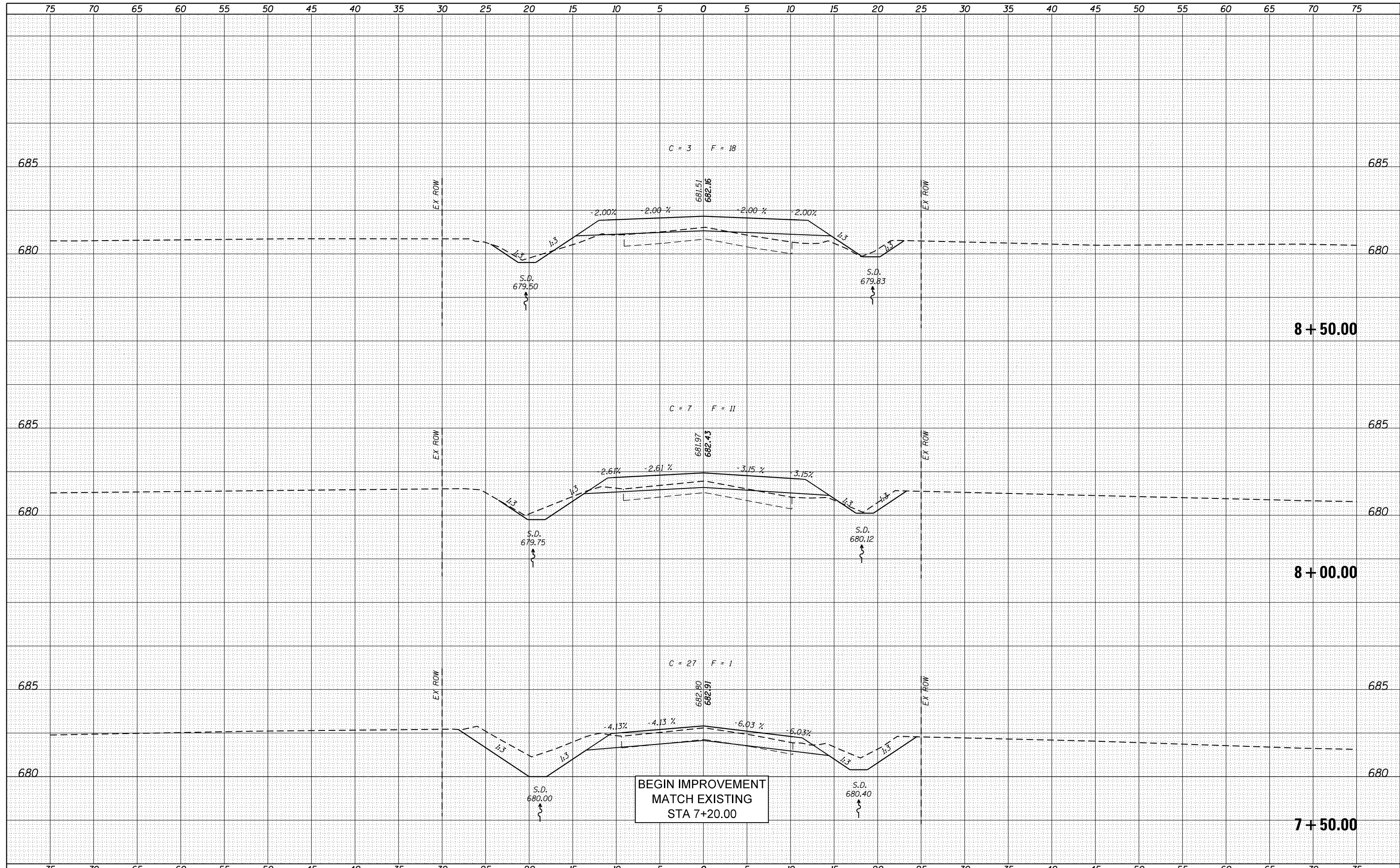
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FILE NAME =	USER NAME = matt.pope	DESIGNED - JAC	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>CH 18 (SCHOOL RD) OVER TRIB TO FRIENDS CREEK</b>			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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DATE	
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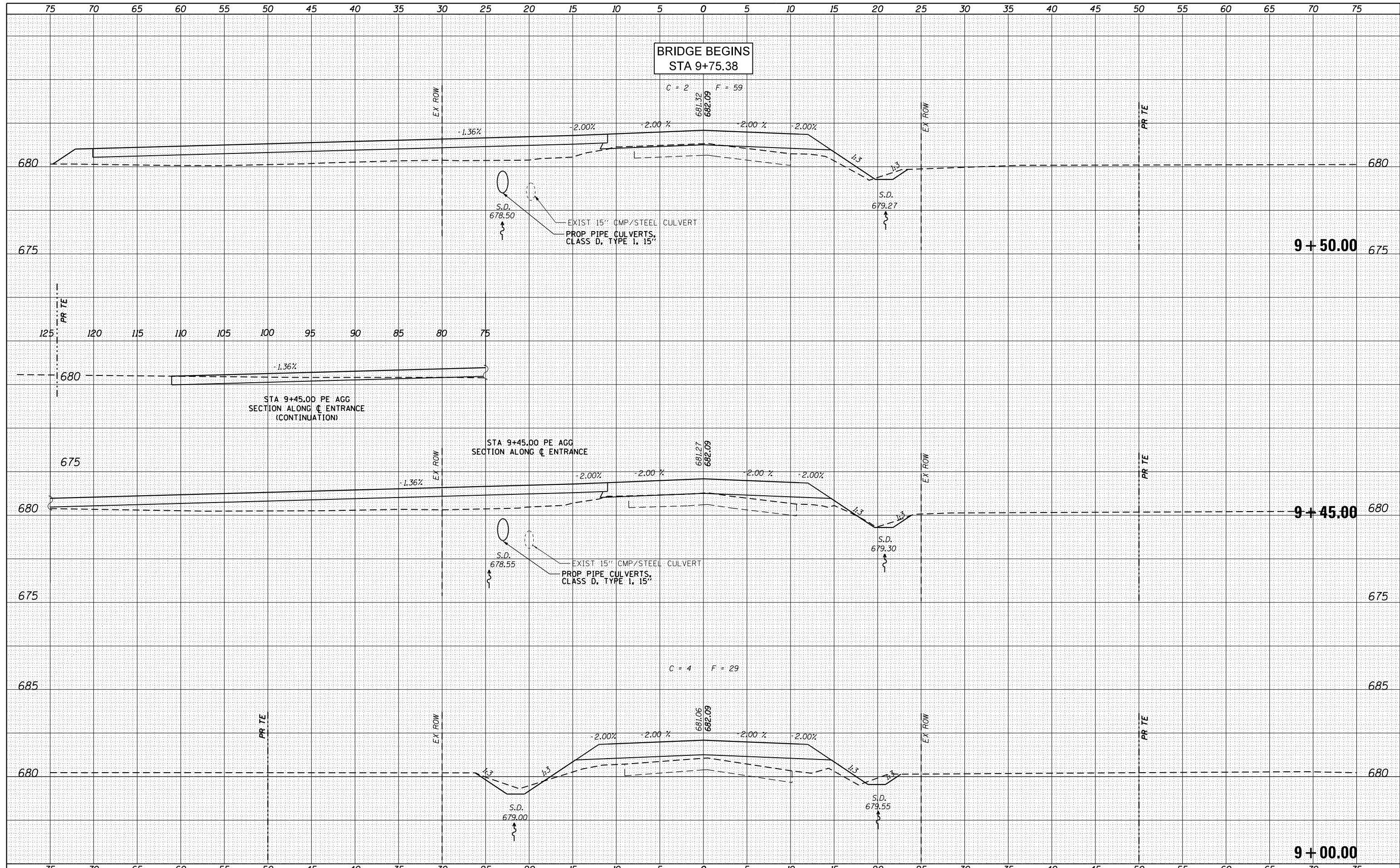


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PLOT DATE = 3/15/2019	DATE - 1/18/2019	REVISED -	ILLINOIS FED. AID PROJECT							
Default				SCALE: 1" = 5'	SHEET 2 OF 5 SHEETS	STA. 7+50.00	TO STA. 8+50.00			

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

DATE	
BY	
ORIGINAL SURVEY	
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PLOTTED	
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NOTE BOOK	
AREAS CHECKED	
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 PLOT DATE = 3/15/2019

DESIGNED - JAC  
 DRAWN - REZ  
 CHECKED - MJP  
 DATE - 1/18/2019

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

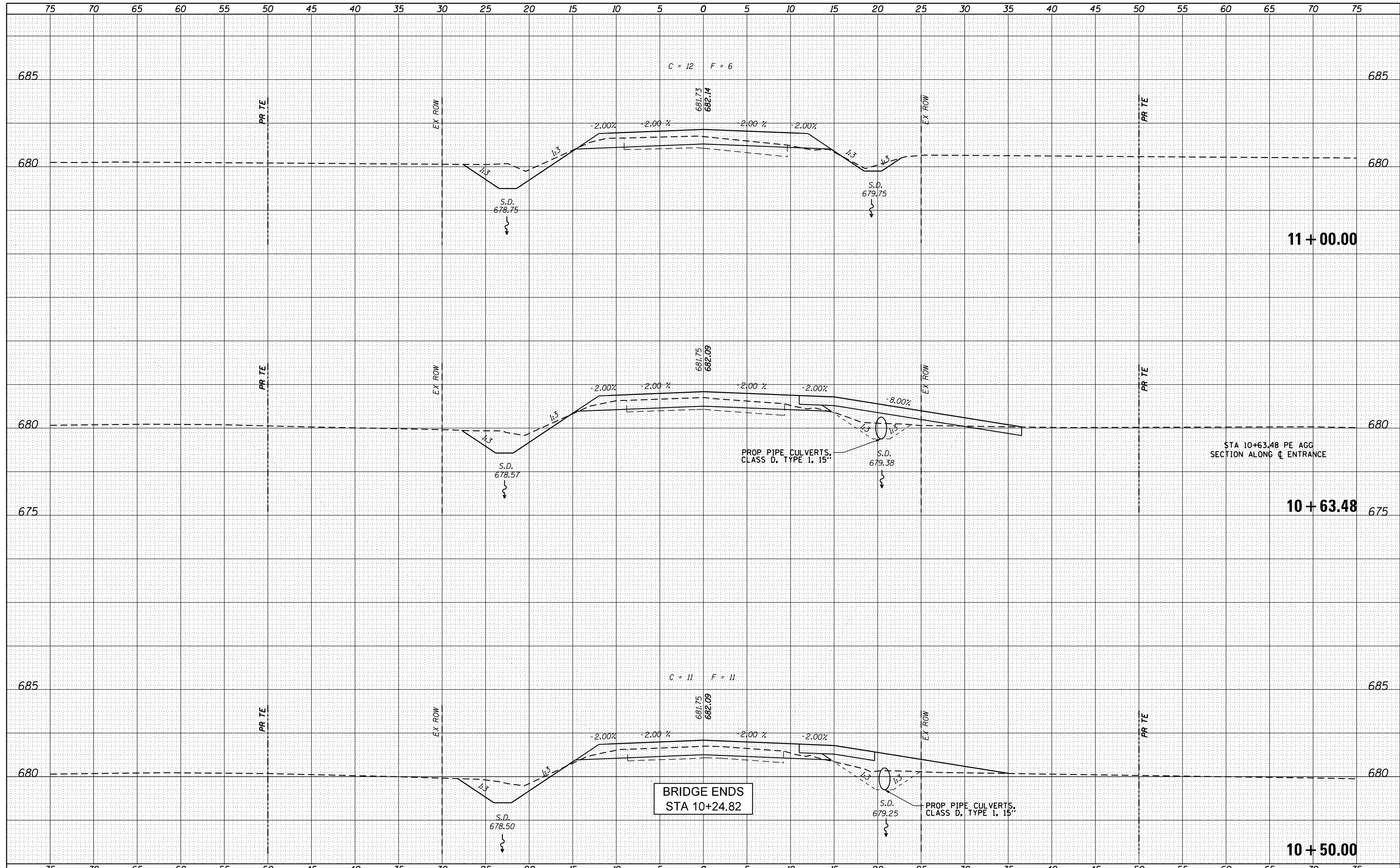
**CROSS SECTIONS**  
**CH 18 (SCHOOL RD) OVER TRIB TO FRIENDS CREEK**  
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 SHEET 3 OF 5 SHEETS  
 STA. 9+00.00 TO STA. 9+50.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 18	15-00275-00-BR	MACON	21	19
CONTRACT NO. 95852			ILLINOIS FED. AID PROJECT	



DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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 PLOT DATE = 3/15/2019

DESIGNED - JAC  
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 DATE - 1/18/2019

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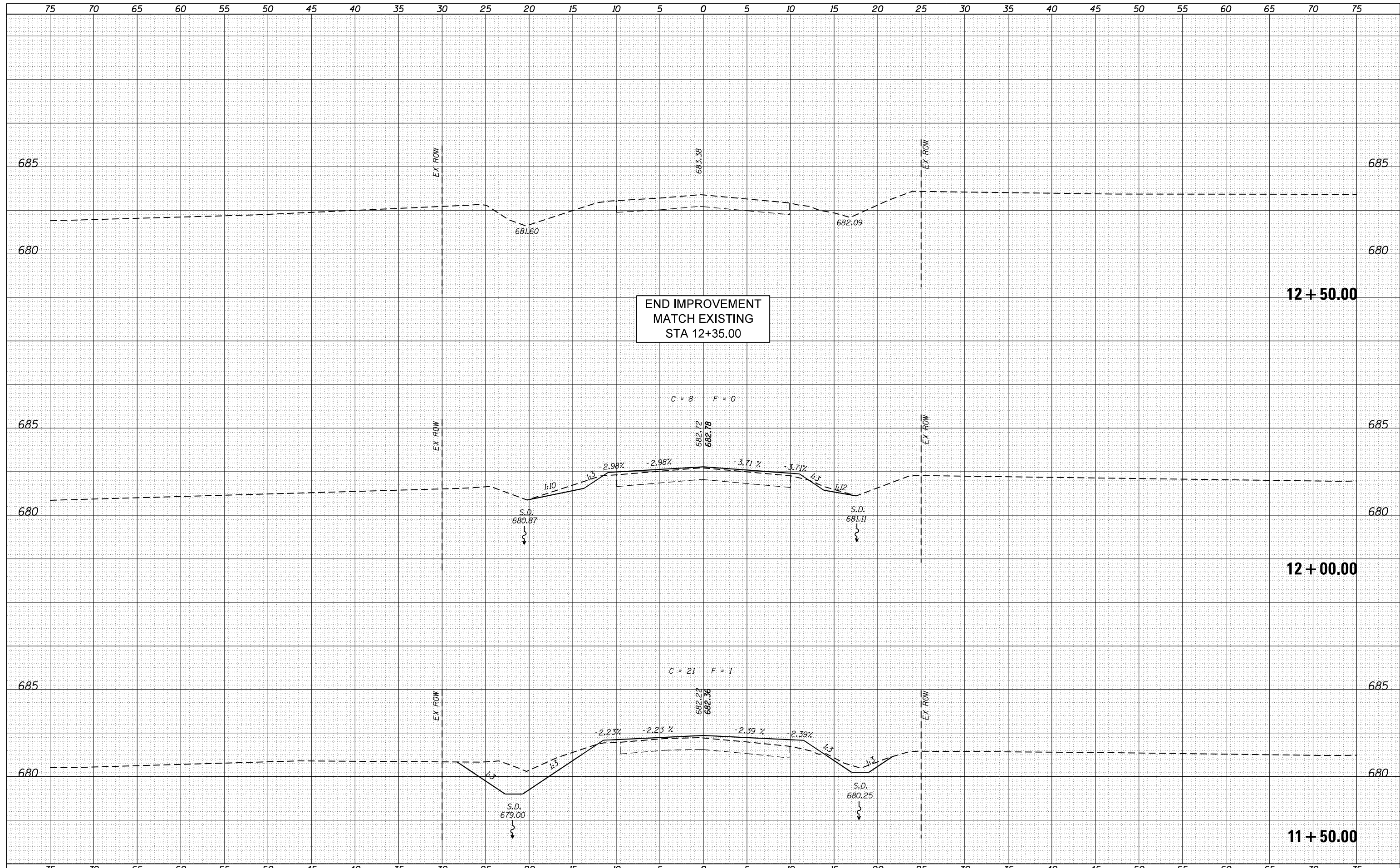
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 CH 18 (SCHOOL RD) OVER TRIB TO FRIENDS CREEK**  
 SCALE: 1" = 5'  
 SHEET 4 OF 5 SHEETS  
 STA. 10+50.00 TO STA. 11+00.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 18	15-00275-00-BR	MACON	21	20
			CONTRACT NO. 95852	
ILLINOIS FED. AID PROJECT				

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

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



END IMPROVEMENT  
MATCH EXISTING  
STA 12+35.00

FILE NAME =	USER NAME = matt.pope	DESIGNED - JAC	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>CH 18 (SCHOOL RD) OVER TRIB TO FRIENDS CREEK</b>			ROUTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 3/15/2019	CHECKED - MJP	REVISED -		SCALE: 1" = 5'			SHEET 5 OF 5 SHEETS	STA. 11+50.00 TO STA. 12+50.00	CONTRACT NO. 95852		
		DATE - 1/18/2019	REVISED -		ILLINOIS FED. AID PROJECT							