

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 162	09-01118-01-BR	SANGAMON	23	1
		ILLINOIS	CONTRACT NO. 93570	

**SANGAMON COUNTY  
 HIGHWAY DEPARTMENT  
 STATE OF ILLINOIS / DEPARTMENT OF TRANSPORTATION  
 PLANS FOR:  
**PROPOSED  
 HIGHWAY BRIDGE PROGRAM****

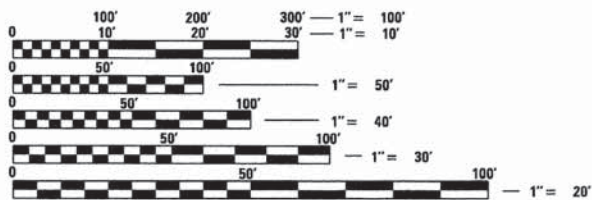
**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES AND SCHEDULES
- 4 TYPICAL SECTIONS
- 5 ALIGNMENT, TIES, AND BENCHMARKS
- 6 - 8 PLAN AND PROFILE SHEETS
- 9 TRAFFIC CONTROL SHEETS
- 10 EROSION AND SEDIMENT CONTROL SHEETS
- 11 - 19 BRIDGE PLANS
- 20 - 23 CROSS SECTIONS

**TR ROUTE 162 (PANTHER CREEK RD)  
 SECTION 09-01118-01-BR  
 PROJECT BROS-0167 (076)  
 BRIDGE REPLACEMENT  
 SANGAMON COUNTY - AUBURN ROAD DISTRICT  
 C-96-234-14**

**STANDARDS**

- 000001-06 666001-01
- 280001-07 701901-04
- 515001-03 BLR 21-9
- 542401-01 BLR 27-1
- 635006-03



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

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

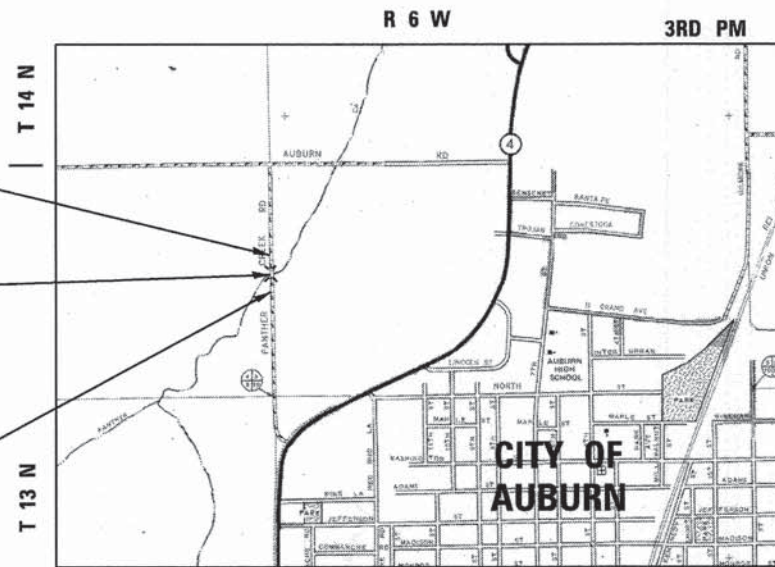
PROJECT ENGINEER: BRIAN DAVIS P.E., SANGAMON  
 COUNTY HIGHWAY DEPT., (217) 535-3070

CONTRACT NO. 93570

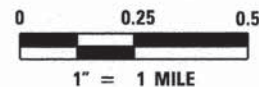
END IMPROVEMENT  
 STA. 115 + 00

BRIDGE REPLACEMENT  
 STA. 109 + 97  
 EXIST SN 084-3103  
 PROP SN 084-3503

BEGIN IMPROVEMENT  
 STA. 104 + 00



**LOCATION MAP**



GROSS LENGTH = 1100.00 FT. = 0.208 MILE  
 NET LENGTH = 1100.00 FT. = 0.208 MILE

FUNCTIONAL CLASSIFICATION  
 LOCAL ROAD, NON URBAN  
 CURRENT ADT < 150

RELEASING FOR  
 BID BASED ON  
 LIMITED REVIEW



LOCATION OF SECTION  
 INDICATED THUS: [black rectangle]

SANGAMON COUNTY HIGHWAY DEPARTMENT

SUBMITTED January 23, 2015  
*David P. Beck*  
 AUBURN DISTRICT ROAD COMMISSIONER

James 23, 2015  
*[Signature]*  
 SANGAMON COUNTY ENGINEER

STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

2-10-2015  
*[Signature]*  
 DISTRICT 6 ENGINEER, LOCAL ROADS & STREETS

2-10-2015  
*[Signature]*  
 DISTRICT 6 ENGINEER OF CONSTRUCTION

2-10-2015  
*[Signature]*  
 DEPUTY DIRECTOR / REGION 4 ENGINEER

DATE: 1-23-2015  
 LICENSE EXP. 11/30/2015

**GENERAL NOTES**

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
2. THESE PLANS HAVE BEEN PREPARED USING STANDARD SYMBOLS AS INDICATED IN THESE PLANS, AND THEY SHALL TAKE PRECEDENCE OVER THOSE SHOWN ON STANDARD 000001 IF THERE IS A CONFLICT.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
4. THE CONTRACTOR SHALL PROTECT UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, BY CONTACTING THE UTILITY COMPANY DIRECTLY.

IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN SUBMITTING HIS BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED BY THE SAME.

THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS. FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE TO THE RESIDENT ENGINEER SO THAT UTILITIES CAN BE GIVEN NOTICE. NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR 1) REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, VERIFYING IF ANY CONFLICTS EXIST WITH THE PROPOSED WORK AND UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS; COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION, AND THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERETO RESULTING FROM THE WORK AT HIS EXPENSE.

5. ALL UTILITIES TO BE RELOCATED BY OTHERS.
6. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
7. ALL AREAS DISTURBED WITHIN OR BEYOND THE CONSTRUCTION LIMITS FOR ANY REASON SHALL BE SEEDED WITH CLASS 2 SEEDING, AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04. FINAL SEEDING SHALL BE PERFORMED AS SOON AS POSSIBLE.
8. MULCH, AS APPLIED TO FINAL SEEDING (CLASS 2), SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS. MULCH UNLESS OTHERWISE PERMITTED BY THE ENGINEER, SHALL CONFORM TO METHOD 2 AS SPECIFIED IN ARTICLE 251.03 (b).
9. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATE BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE A COPY OF THE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
10. ALL WORK AS SHOWN ON THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIAL PROVISIONS PREPARED BY HOELSCHER ENGINEERING, P.C. ENTITLED "TR 162 (PANTHER CREEK RD.), SECTION 09-01118-01-BR.
11. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS/HER OPERATIONS.
12. THE CONTRACTOR SHALL MAINTAIN FIELD ACCESS CONTROL AT ALL TIMES DURING CONSTRUCTION.

**COMMITMENTS**

1. THE FIELD/RESIDENT ENGINEER SHALL CONTRACT THE COUNTY ENGINEER COVERING ANY MAJOR PLAN CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN, AND TO ALLOW IMPROVED DESIGN FOR THE FUTURE.
2. ALL COMMERCIAL, PRIVATE, AND FIELD ENTRANCES TO REMAIN OPEN AT ALL TIMES.

WATER  
N/A

SEWER  
N/A

ELECTRIC  
AMEREN CIPS  
700 JERSEY ST  
QUINCY, IL 62301  
217-221-0825

GAS  
ATMOS ENERGY  
136 E. DEAN ST.  
VIRDEN, IL 62690  
217-965-4212

TELEPHONE  
FRONTIER COMMUNICATIONS  
330 W. BEECHER AVE.  
JACKSONVILLE, IL 62650  
217-243-0211

**UTILITIES**

**RATES OF APPLICATION TABLE**

ITEM	RATE
AGGREGATE (SURFACE, BASE, SUBBASE, OR BACKFILL)	2.05 TONS/CU YD
STONE DUMPED RIPRAP	1.50 TON/CU YD
SEEDING AREA	
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
AGRICULTURAL GROUND LIMESTONE	2 TON/ACRE
MULCH	2 TON/ACRE
BITUMINOUS MATERIALS (PRIME COAT)	0.35 GAL/SQ YD
BITUMINOUS SURFACE TREATMENT A-3 (SPECIAL)	25 LBS/SQ YD (1ST) 25 LBS/SQ YD (2ND) 25 LBS/SQ YD (3RD)

**HMA MIXTURE REQUIREMENTS**

ITEM	AGG. COMP.	ASPHALT GRD.	DESIGN VOIDS
SURFACE	IL 9.5 MIX C	PG 64-22	4% @ N50

**EARTHWORK SCHEDULE**

LOCATION			EARTH EXCAVATION	CHANNEL EXCAVATION	EARTH EXCAVATION & CHANNEL EXCAVATION ADJUSTMENT FOR SHRINKAGE	EMBANKMENT (FILL)	EARTH BALANCE WASTE (+) OR SHORTAGE (-) (FURNISHED EXCAVATION)
			CU YD	CU YD	CU YD	CU YD	CU YD
104+00.00	to	109+63.88	195		146	1,097	-951
110+29.04	to	114+25.00	195		146	856	-710
<b>CHANNEL EXCAVATION</b>				705	529	3	526
			<b>TOTAL=</b>	<b>390</b>	<b>705</b>	<b>1,956</b>	<b>-1,135</b>

- EARTH EMBANKMENT SHRINKAGE FACTOR = 25%
- SUITABLE CHANNEL EXCAVATION TO BE UTILIZED IN CONSTRUCTION OF EMBANKMENT

USER NAME = jantonacci	DESIGNED - J.S.A.	REVISED -	<b>SANGAMON COUNTY HIGHWAY DEPARTMENT</b>	<b>GENERAL NOTES</b>				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 2.0000' / 1" =	DRAWN - B.T.M.	REVISED -						TR 162	09-01118-01-BR	SANGAMON	23	2
PLOT DATE = 4/17/2014	CHECKED - J.S.A.	REVISED -		SCALE:      SHEET NO. OF SHEETS STA.      TO STA.				CONTRACT NO. 93570				
DATE - 4/17/2014	DATE - 4/17/2014	REVISED -		ILLINOIS FED. AID PROJECT								

# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNITS	TOTAL QUANT
20200100	EARTH EXCAVATION	CU YD	390
20300100	CHANNEL EXCAVATION	CU YD	705
20400800	FURNISHED EXCAVATION	CU YD	1,135
25000200	SEEDING, CLASS 2	ACRE	0.7
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	63
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	63
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	63
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.4
25100115	MULCH, METHOD 2	ACRE	0.7
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	70
28000305	TEMPORARY DITCH CHECKS	FOOT	64
28000400	PERIMETER EROSION BARRIER	FOOT	270
28100207	STONE RIPRAP, CLASS A4	TON	695
28200200	FILTER FABRIC	SO YD	758
35100700	AGGREGATE BASE COURSE, TYPE A, 8"	SO YD	1920
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50	TON	18.2
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	49
50200100	STRUCTURE EXCAVATION	CU YD	38
50300225	CONCRETE STRUCTURES	CU YD	23.2
50300280	CONCRETE ENCASEMENT	CU YD	6.6
50400505	PRECAST, PRESTRESSED, CONCRETE DECK BEAMS (27" DEPTH)	SO FT	1,516
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,380
Δ 50900205	STEEL RAILING, TYPE S1	FOOT	130

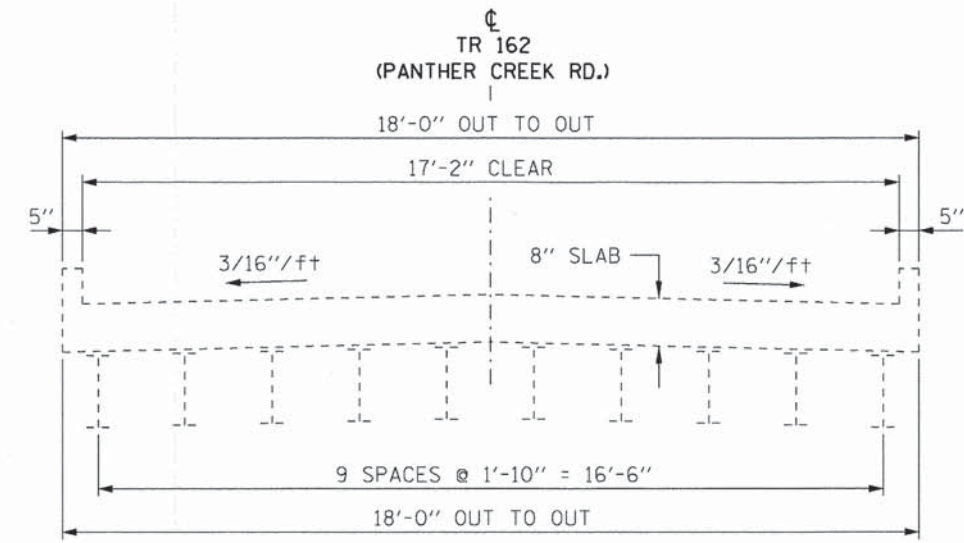
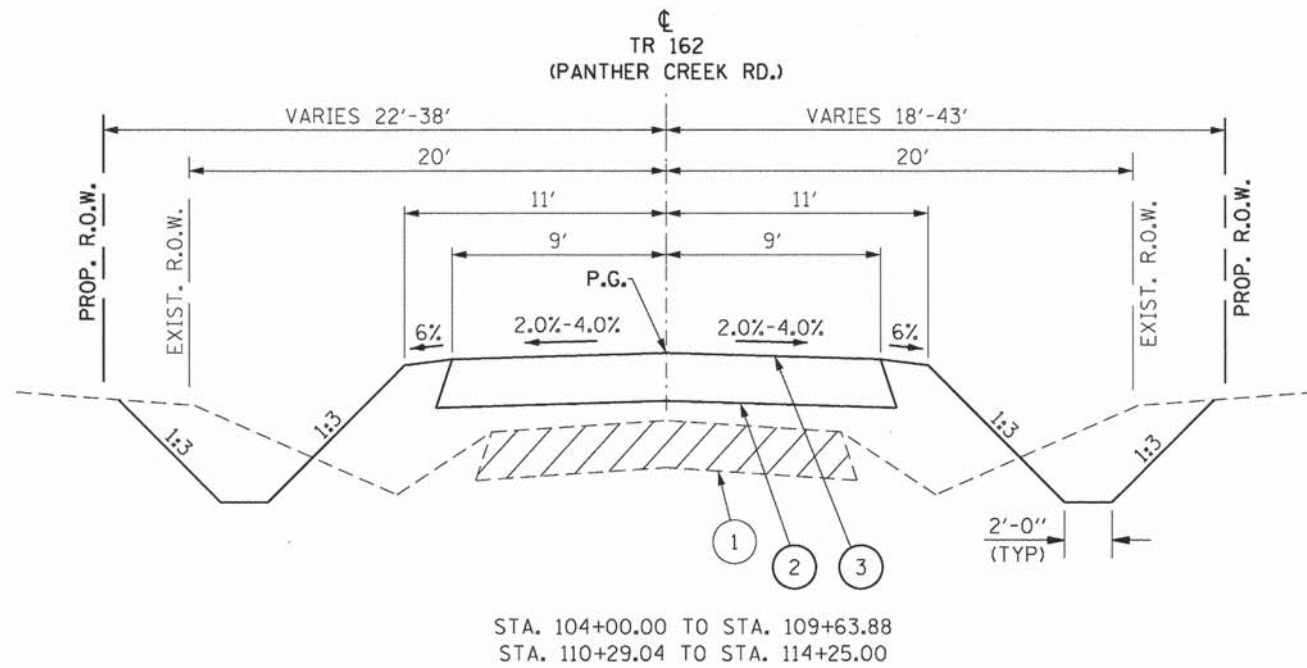
CODE NO.	ITEM	UNITS	TOTAL QUANT
51201800	FURNISHING STEEL PILES, HP 14 X 73	FOOT	305
51202305	DRIVING PILES	FOOT	305
51203800	TEST PILE STEEL HP 14 X 73	EACH	2
51500100	NAME PLATES	EACH	1
54200220	PIPE CULVERTS, CLASS D, TYPE 1, 15"	FOOT	64
54215550	METAL END SECTIONS, 15"	EACH	4
58100200	WATERPROOFING MEMBRANE SYSTEM	SO YD	168
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	189
59300100	CONTROLLED LOW STRENGTH MATERIAL	CU YD	30.0
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	8
67100100	MOBILIZATION	L SUM	1
* 70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
*Δ 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1
* XX005699	BITUMINOUS SURFACE TREATMENT, A-3 SPECIAL	SO YD	1920

\* - SEE SPECIAL PROVISIONS

CONSTRUCTION TYPE CODE: 0011 (X080)

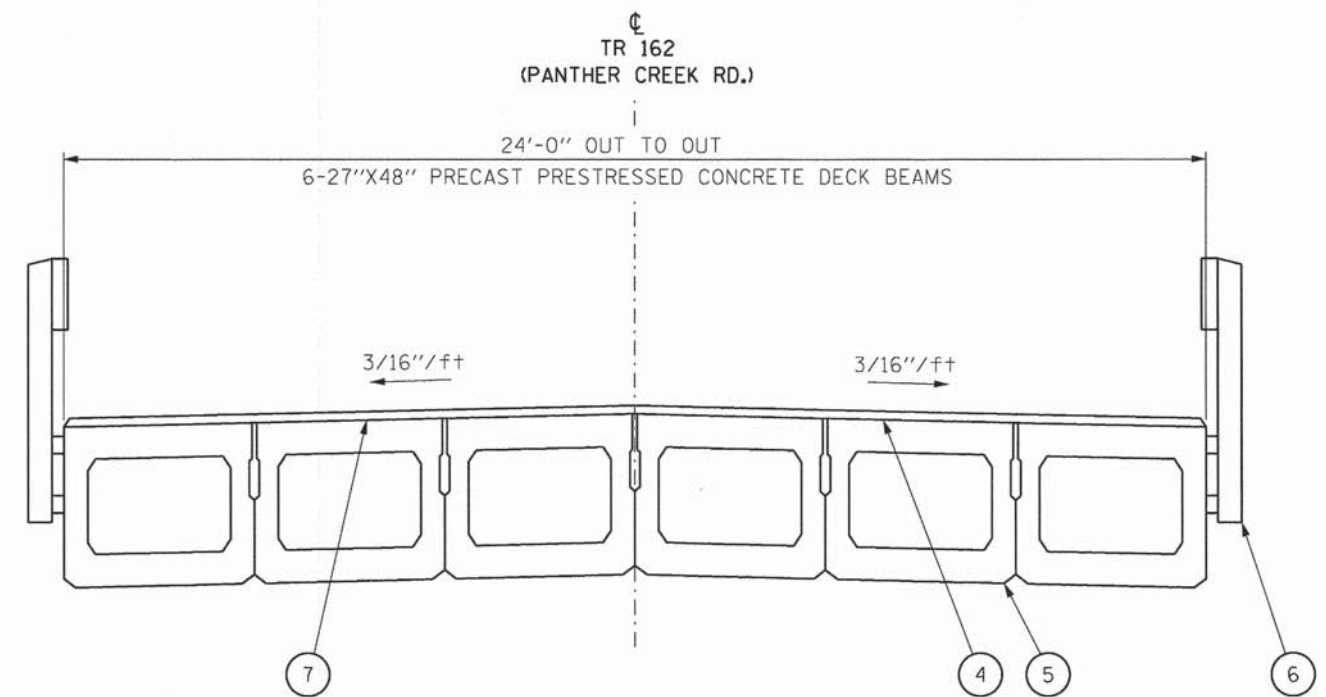
Δ - SPECIALTY ITEMS

USER NAME: jantonacci	DESIGNED: J.S.A.	REVISED:	<b>SANGAMON COUNTY HIGHWAY DEPARTMENT</b>	<b>SUMMARY OF QUANTITIES</b>			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN: B.T.M.	CHECKED: J.S.A.	REVISED:					TR 162	09-01118-01-BR	SANGAMON	23	3
PLOT SCALE: 2.0000' / in.	DATE: 4/17/2014	REVISED:		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		
PLOT DATE: 4/22/2014	DATE: 4/17/2014	REVISED:		CONTRACT NO. 93570							



STA. 109+82.89 TO STA. 110+10.17

EXISTING BRIDGE



STA. 109+63.88 TO STA. 110+29.04

PROPOSED BRIDGE

**LEGEND**

- ① EXIST. AGGREGATE AND BIT SURFACE (SEE ART. 205.03)
- ② PROP. AGGREGATE BASE COURSE, TY A, 8"
- ③ PROP. SURFACE TREATMENT A-3
- ④ PROP. HMA SURF. CRSE, MIX "C", N50 1 1/2" & VAR.
- ⑤ PROP. PRECAST PRESTRESSED CONC. DECK BEAMS, 27" DEPTH
- ⑥ PROP. STEEL RAILING, TYPE S1
- ⑦ PROP. WATERPROOFING MEMBRANE SYSTEM

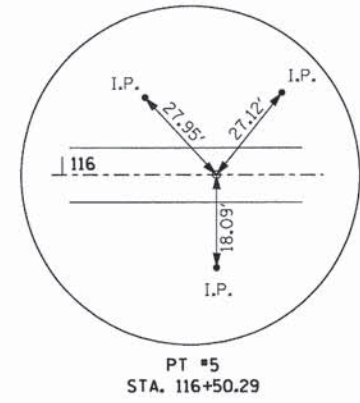
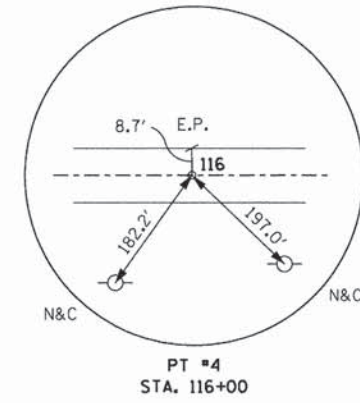
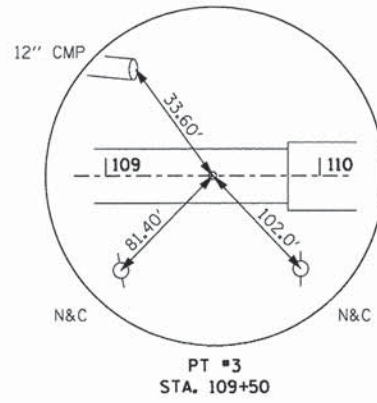
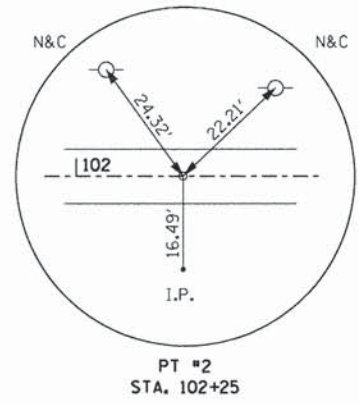
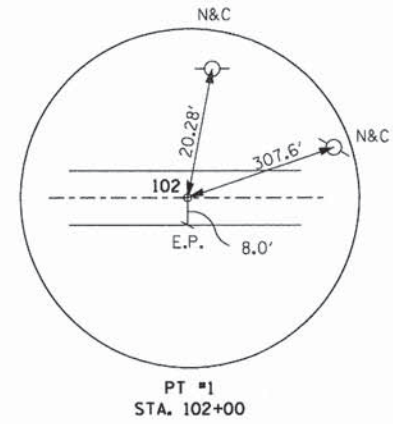
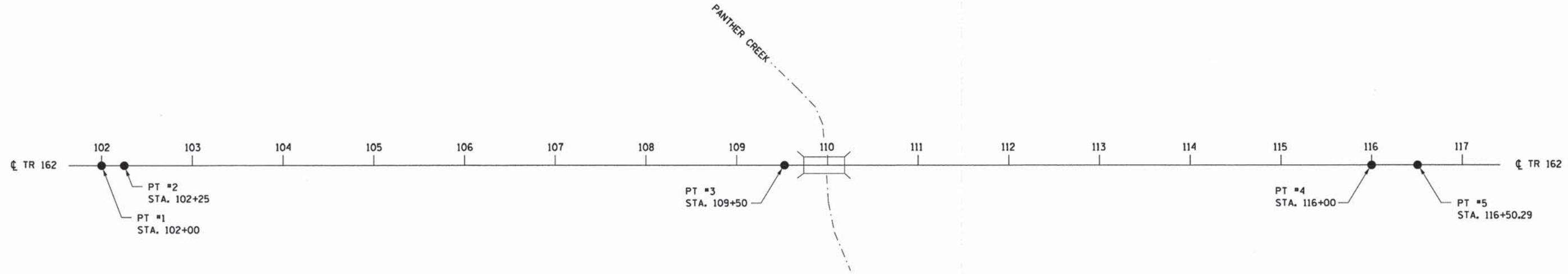
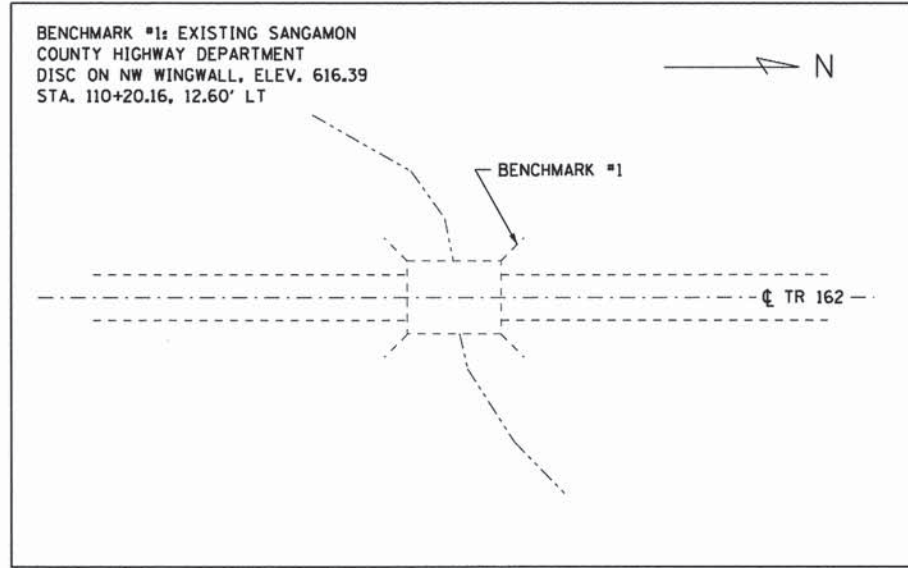
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	DRAWN - B.T.M.	REVISED -
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PLLOT DATE = 4/17/2014	DATE - 4/17/2014	REVISED -

**SANGAMON COUNTY  
HIGHWAY DEPARTMENT**

**TYPICAL SECTIONS**

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

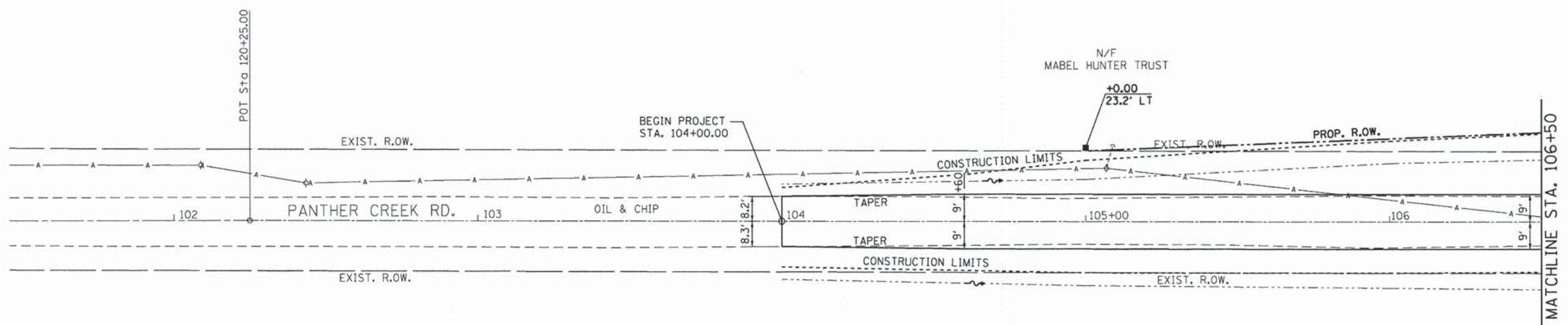
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TR 162	09-01118-01-BR	SANGAMON	23	4
CONTRACT NO. 93570				
ILLINOIS FED. AID PROJECT				



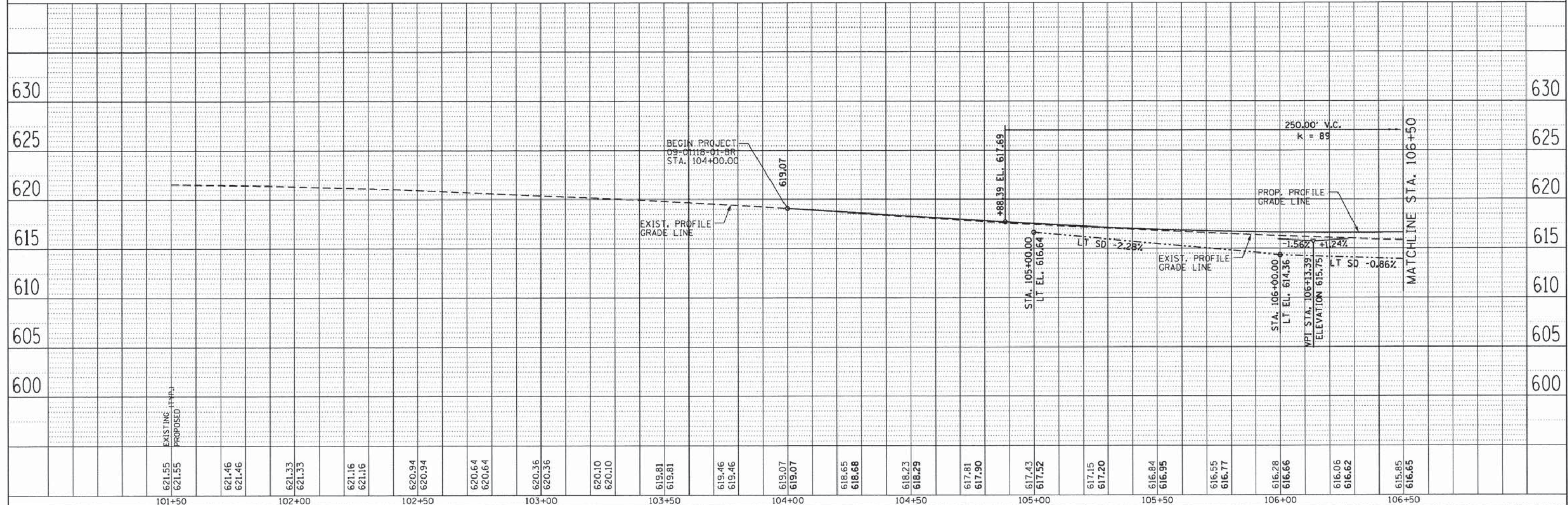
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PLOT SCALE = 2.0002' / 1"v	DRAWN - B.T.M.	REVISED -					TR 162	09-01118-01-BR	SANGAMON	23	5
PLOT DATE = 4/17/2014	CHECKED - J.S.A.	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 93570		
	DATE - 4/17/2014	REVISED -							ILLINOIS FED. AID PROJECT		



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
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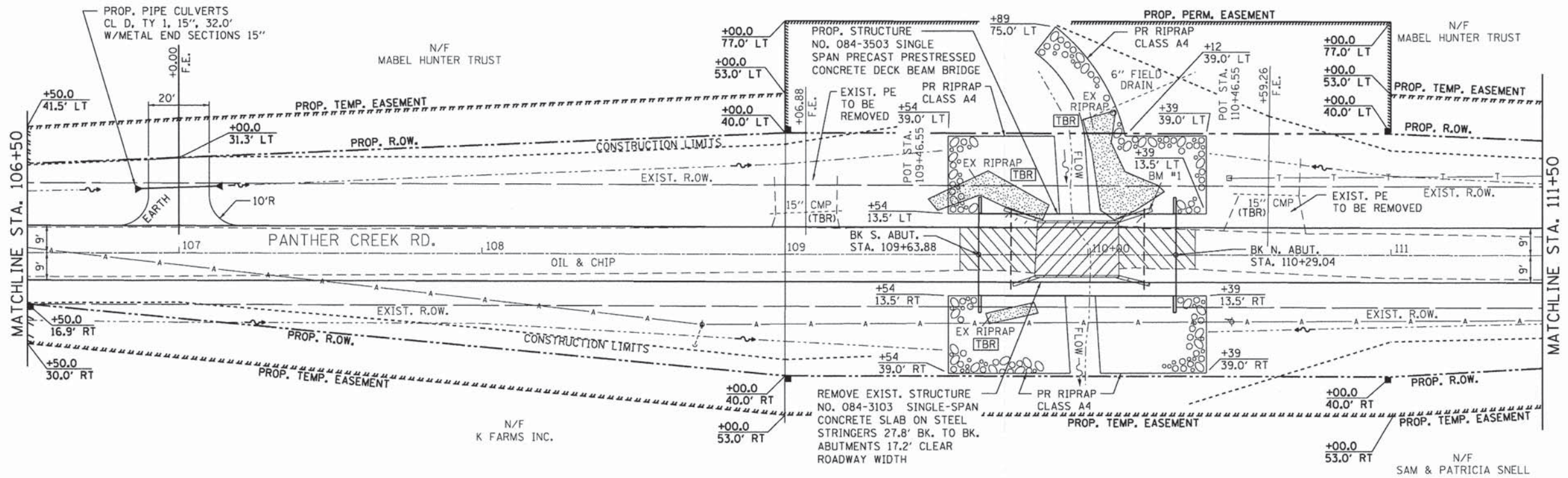
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	NO. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHKD		



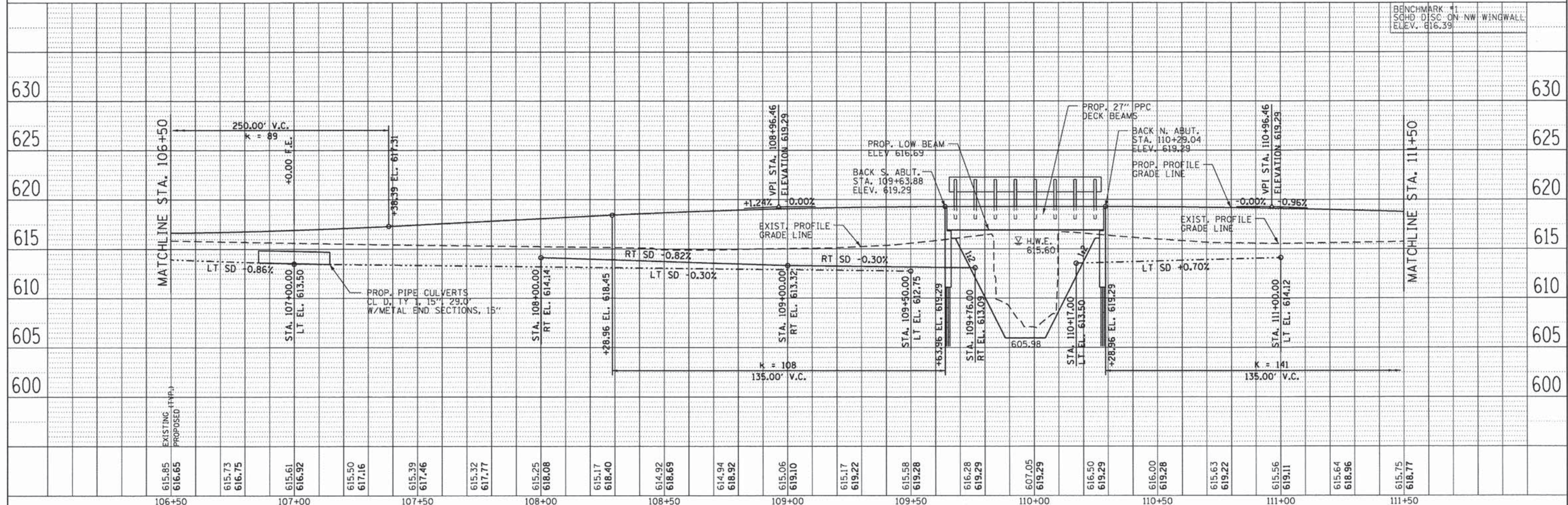
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101+50	102+00	102+50	103+00	103+50	104+00	104+50	105+00	105+50	106+00	106+50																																

USER NAME = jleaf	DESIGNED -	REVISED -	<b>SANGAMON COUNTY HIGHWAY DEPARTMENT</b>	<b>PLAN &amp; PROFILE</b>	SCALE: 1" = 20'	SHEET NO. 1 OF 3 SHEETS	STA. 101+50.00 TO STA. 106+50.00	ILLINOIS FED. AID PROJECT	
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -			RT. 162	SECTION 09-01118-01-BR	COUNTY SANGAMON	TOTAL SHEETS 23	SHEET NO. 6
PLOT DATE = 4/21/2014	CHECKED -	REVISED -			CONTRACT NO. 93570				
	DATE -	REVISED -							

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



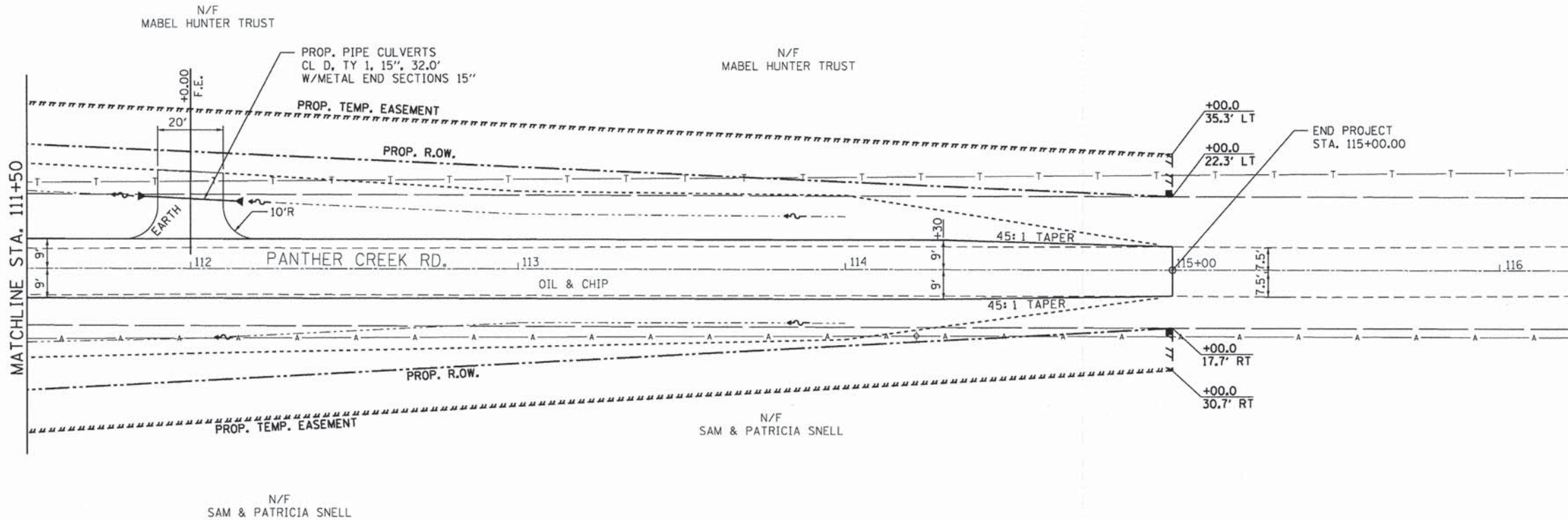
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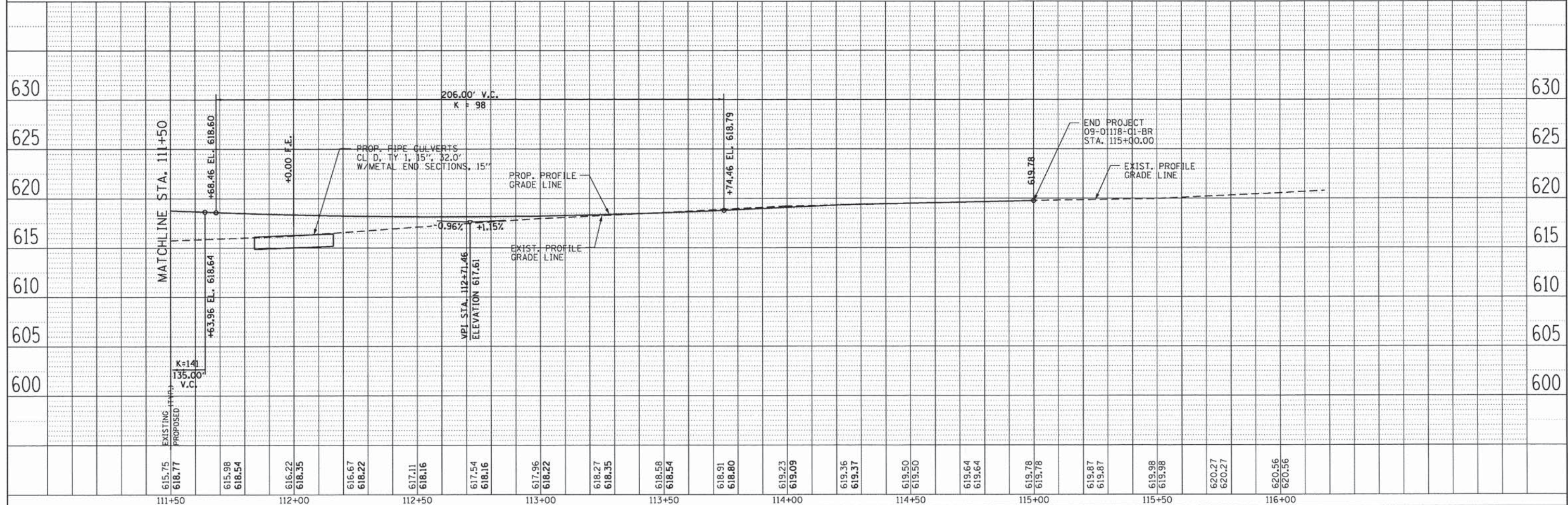
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106+50		107+00		107+50		108+00		108+50		109+00		109+50		110+00		110+50		111+00		111+50																					
USER NAME = jleaf		DESIGNED -		REVISED -		DRAWN -		REVISED -		CHECKED -		REVISED -		DATE -		REVISED -		SANGAMON COUNTY HIGHWAY DEPARTMENT		PLAN & PROFILE		RTE. SECTION		COUNTY		TOTAL SHEETS		SHEET NO.													
PLOT SCALE = 40.0000' / in.		CHECKED -		REVISED -		DATE -		REVISED -		SCALE: 1" = 20'		SHEET NO. 1 OF 3 SHEETS		STA. 106+50.00 TO STA. 111+50.00		TR 162		09-01118-01-BR		SANGAMON		COUNTY		23		7															
PLOT DATE = 4/21/2014		DATE -		REVISED -																		ILLINOIS FED. AID PROJECT		CONTRACT NO. 93570																	



DATE	
BY	
PLANNED	
CHECKED	
NO. OF WAY CHECKED	
NO. OF FILE NAME	
NO.	



DATE	
BY	
PROFILING	
PLANNED	
CHECKED	
NO. OF WAY CHECKED	
NO. OF FILE NAME	
NO.	



615.75	618.77	615.98	618.54	616.22	618.35	616.67	618.22	617.11	618.16	617.54	618.16	617.96	618.22	618.27	618.35	618.58	618.54	618.91	618.80	619.23	619.09	619.36	619.37	619.50	619.50	619.64	619.64	619.78	619.78	619.87	619.87	619.98	619.98	620.27	620.27	620.56	620.56					
111+50		112+00		112+50		113+00		113+50		114+00		114+50		115+00		115+50		116+00																								

USER NAME = jleaf	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLLOT SCALE = 40.0000' / 1"	CHECKED -	REVISED -
PLLOT DATE = 4/21/2014	DATE -	REVISED -

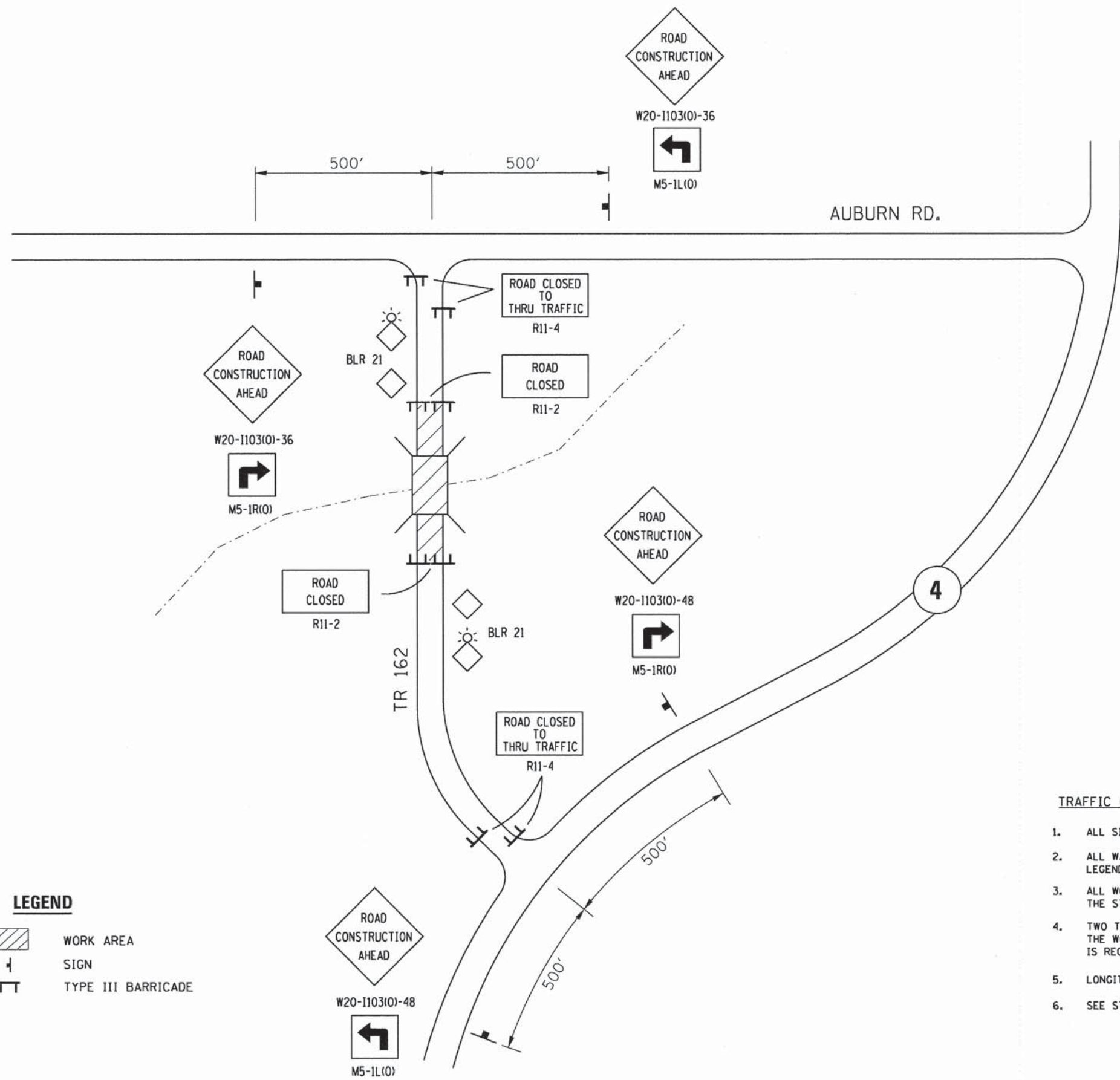
**SANGAMON COUNTY  
HIGHWAY DEPARTMENT**

**PLAN & PROFILE**




RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 162	09-01118-01-BR	SANGAMON	23	8
CONTRACT NO. 93570				
ILLINOIS FED. AID PROJECT				

SCALE: = 20'      SHEET NO. 1 OF 3 SHEETS      STA. 106+50.00 TO STA. 111+50.00





**LEGEND**

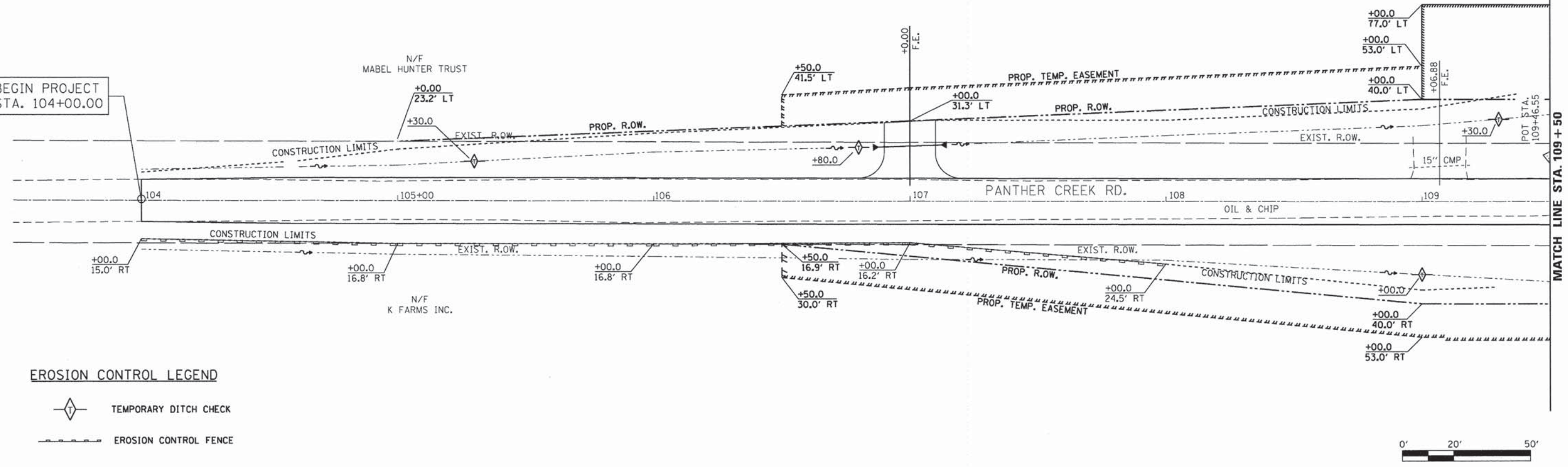
-  WORK AREA
-  SIGN
-  TYPE III BARRICADE

**TRAFFIC CONTROL NOTES**

1. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
2. ALL WARNING SIGNS SHALL HAVE MINIMUM DIMENSIONS OF 48" X 48" AND HAVE A BLACK LEGEND ON AN ORANGE REFLECTORIZED BACKGROUND.
3. ALL WORK ZONE SIGNS ARE REQUIRED TO MEET REQUIREMENTS OF ARTICLE 1106.01 OF THE STANDARD SPECIFICATIONS.
4. TWO TYPE A LOW INTENSITY FLASHING LIGHTS SHALL BE USED ON EACH APPROACH IN ADVANCE OF THE WORK AREA. ONE LIGHT SHALL BE INSTALLED ABOVE EACH BARRICADE. IF ONLY ONE BARRICADE IS REQUIRED, THE OTHER LIGHT SHALL BE INSTALLED ABOVE THE FIRST ADVANCE WARNING SIGN.
5. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
6. SEE STANDARDS 701901 AND BLR-21 FOR ADDITIONAL DETAILS.

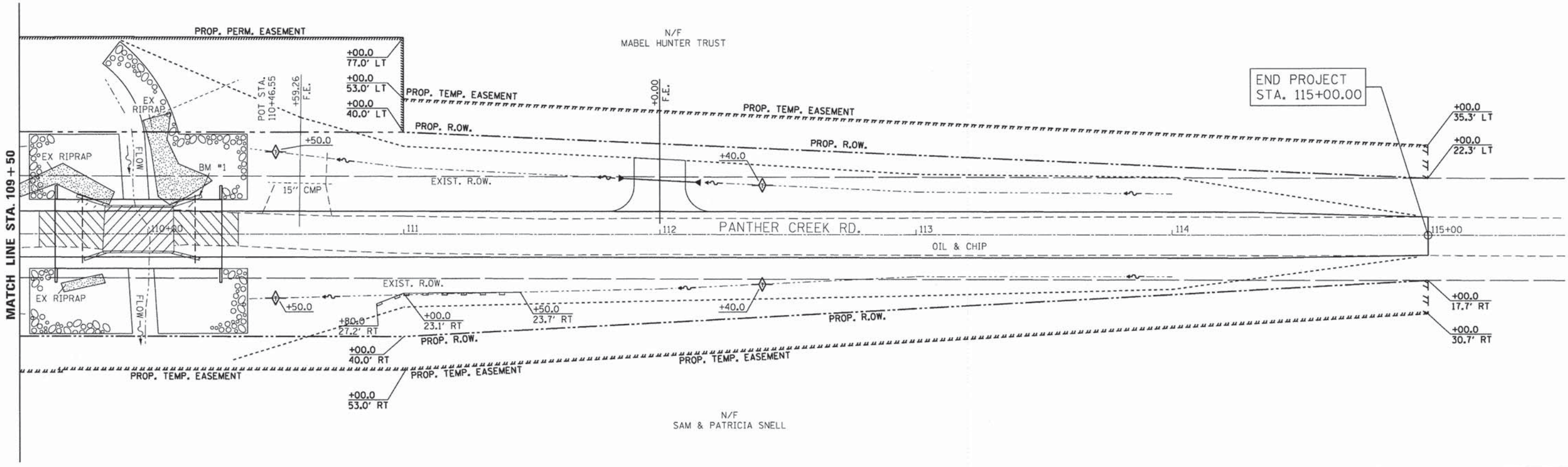
USER NAME = jantonacci PLOT SCALE = 2.0000' / in. PLOT DATE = 4/17/2014	DESIGNED - J.S.A. DRAWN - B.T.M. CHECKED - J.S.A. DATE - 4/17/2014	REVISED - REVISED - REVISED - REVISED -	<b>SANGAMON COUNTY HIGHWAY DEPARTMENT</b>	<b>TRAFFIC CONTROL PLAN</b>		RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. TR 162 09-01118-01-BR SANGAMON 23 9
				SCALE: SHEET NO. OF SHEETS STA. TO STA.	CONTRACT NO. 93570 ILLINOIS FED. AID PROJECT	

BEGIN PROJECT  
STA. 104+00.00



**EROSION CONTROL LEGEND**

- TEMPORARY DITCH CHECK
- EROSION CONTROL FENCE



END PROJECT  
STA. 115+00.00

USER NAME = jleaf	DESIGNED - J.S.A.	REVISED -	<b>SANGAMON COUNTY HIGHWAY DEPARTMENT</b>	<b>EROSION CONTROL PLAN</b>	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 48.0000' / in.	DRAWN - B.T.M.	REVISED -			TR 162	09-01118-01-BR	SANGAMON	23	10
PLOT DATE = 4/21/2014	CHECKED - J.S.A.	REVISED -			CONTRACT NO. 93570				
	DATE - 4/17/2014	REVISED -			ILLINOIS FED. AID PROJECT				

Bench Mark : Existing SCHD Disc on NW Wingwall, Elev. 616.39

Existing Structure: S.N. 084-3103 built in 1900 as a Single Span Concrete Slab on Steel Stringer Bridge on Concrete Abutments Supported by piles, 27.8' Back to Back Abutments and 17.2' CLR Roadway Width.

Road to be closed during construction.

No Salvage.

PANTHER CREEK  
 BUILT 20 BY SANGAMON COUNTY  
 SECTION 09-01118-01-BR  
 F.A. PROJECT BROS-0167(066)  
 STA. 109+96.46  
 LOADING HL-93 STR. NO. 084-3503

**GENERAL NOTES:**

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.  
 Reinforcement bars designated (E) shall be epoxy coated.  
 Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

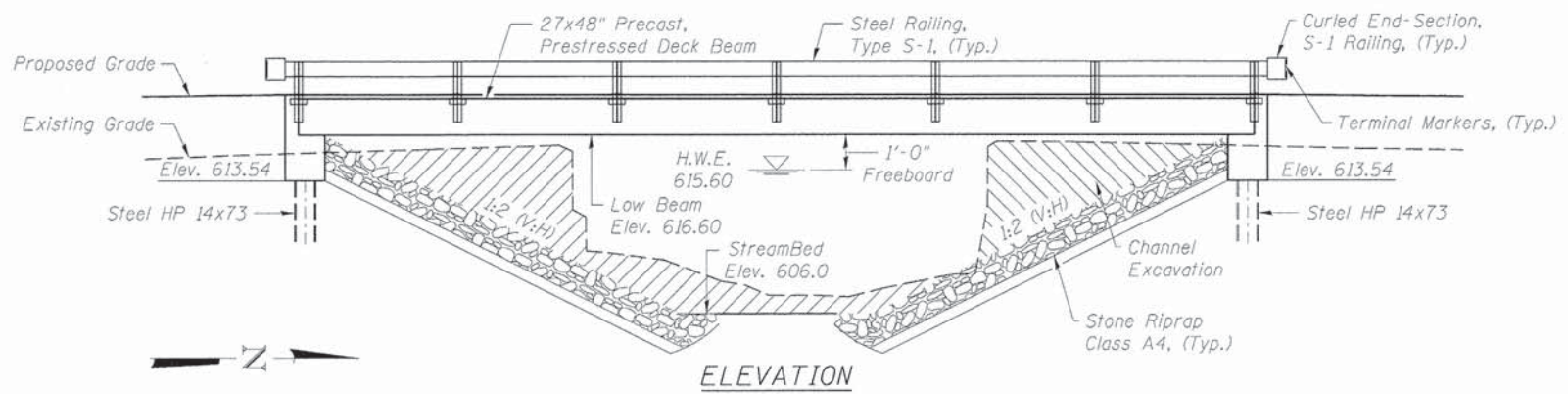
Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The top surface of the beams shall be finished according to Article 504.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of keys shall be rounded or chamfered a minimum of 1/4".

All Construction joints shall be bonded.

See Roadway Plans for channel excavation limits.

See Roadway Plans for additional riprap limits.



**NAME PLATE**  
 See Std. 515001

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

**DESIGN SPECIFICATIONS**

2010 AASHTO LRFD Bridge Design Specifications with 2010 Interims

**DESIGN STRESSES**

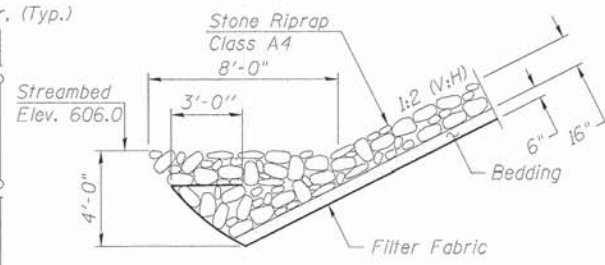
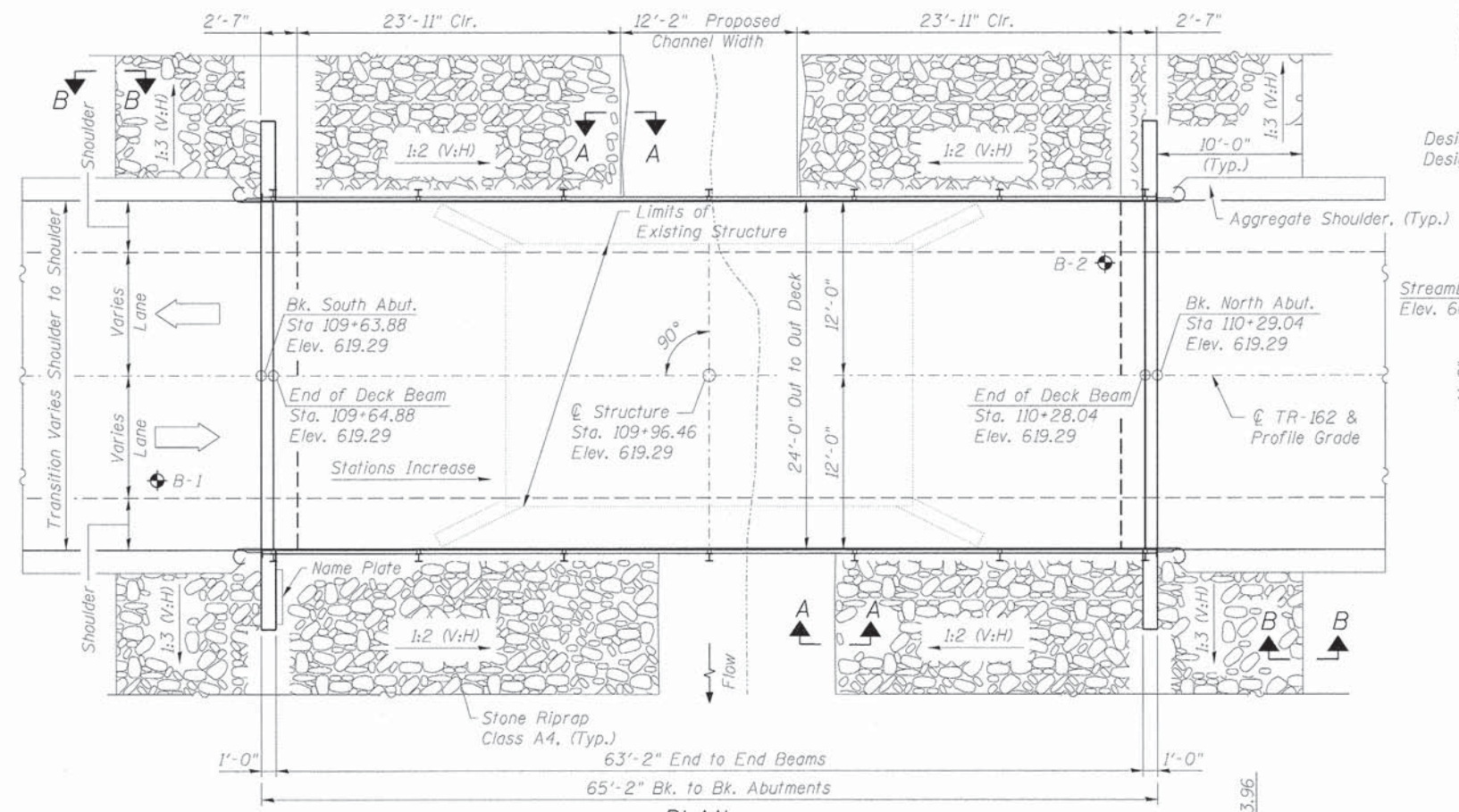
**FIELD UNITS**  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
 $f_y = 50,000$  psi (M270 Grade 50)  
**PRECAST PRESTRESSED UNITS**  
 $f'_c = 6,000$  psi  
 $f'_ci = 5,000$  psi  
 $f'_s = 270,000$  psi (1/2"  $\phi$  low-relaxation strands)  
 $f'_si = 201,960$  psi (1/2"  $\phi$  low-relaxation strands)

**SEISMIC DATA**

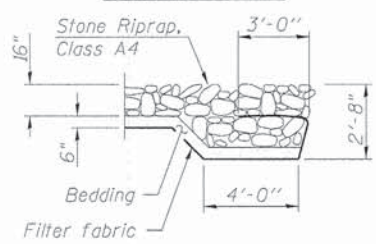
Seismic Performance Zone (SPZ) = 1  
 Design Spectral Acceleration at 1.0 sec. ( $S_{D1}$ ) = 0.067g  
 Design Spectral Acceleration at 0.2 sec. ( $S_{D5}$ ) = 0.190g  
 Soil Site Class = B

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.	-	705	705
Stone Riprap, Class A4	Tons	-	695	695
Filter Fabric	Sq. Yd.	-	758	758
Hot-Mix Asphalt Surface Course, Mix "C", N50	Ton	18.2	-	18.2
Removal of Existing Structure	Each	1	-	1
Structure Excavation	Cu. Yd.	-	53	53
Concrete Structures	Cu. Yd.	-	23.2	23.2
Concrete Encasement	Cu. Yd.	-	6.6	6.6
Precast, Prestressed, Concrete Deck Beams, 27" Depth	Sq. Ft.	1516	-	1516
Reinforcement Bars, Epoxy Coated	Pound	-	3380	3380
Steel Railing, Type S1	Foot	130	-	130
Furnishing Steel Piles, HP 14x73	Foot	-	305	305
Driving Piles	Foot	-	305	305
Test Pile Steel HP 14x73	Each	-	2	2
Name Plates	Each	1	-	1
Waterproofing Membrane System	Sq. Yd.	168.4	-	168.4
Portland Cement Mortar Fairing Course	Foot	189.5	-	189.5
Controlled Low Strength Material	Cu. Yd.	-	30.0	30.0
Terminal Marker - Direct Applied	Each	4	-	4



**SECTION A-A**



**SECTION B-B**

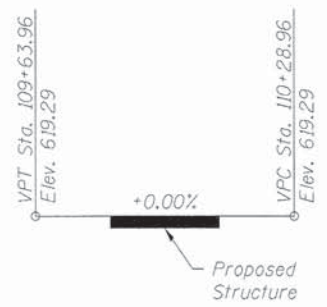
**DESIGN SCOUR ELEVATION TABLE**

Design Scour Elevation (ft.)	N. Abut.	S. Abut.
	613.54	613.54

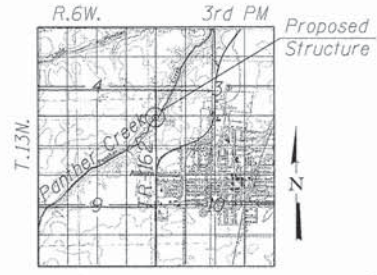
**WATERWAY INFORMATION**

Drainage Area = 8.2 Mi <sup>2</sup>		Exist. Low Grade Elev. 614.9 ft @ Sta. 108+50		Prop. Low Grade Elev. 617.6 ft @ Sta. 105+50		
Flood	Freq. Yr.	Q	C.F.S.	Opening Sq. Ft.	Not. Head - Ft.	Headwater El.
	10	1265	112	314	615.4	0.7
Design	15	1430	112	325	615.6	0.6
Base	100	2406	112	371	616.7	0.4
Overtopping	500	3264	112	397	617.4	0.3

10 Year Velocity through Existing Bridge = 6.0 fps.  
 10 Year Velocity through Proposed Bridge = 4.3 fps

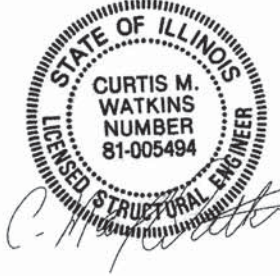


**PROFILE GRADE**  
 (Along  $\phi$  Roadway)



**LOCATION SKETCH**

27-Oct-2011



C. Max Watkins License No. 081.005494  
 Expires 30-November-2012

**INDEX OF SHEETS**

- General Plan
- 27"x48" PPC Deck Beam
- 27"x48" PPC Deck Beam Details
- Superstructure
- Steel Railing, Type S-1
- North Abutment
- South Abutment
- HP Pile Details
- Soil Boring Logs

**GENERAL PLAN**  
**TR-162 OVER PANTHER CREEK**  
**SECTION 09-01118-01-BR**  
**SANGAMON COUNTY**  
**STATION 109+96.46**  
**STRUCTURE NO. 084-3503**

FILE NAME = TR162 over Panther Creek	USER NAME =	DESIGNED - CMW	REVISED 10-27-2011 CMW
		CHECKED - SAL	REVISED -
		DRAWN - TJW	REVISED -
		CHECKED - SAL	REVISED -

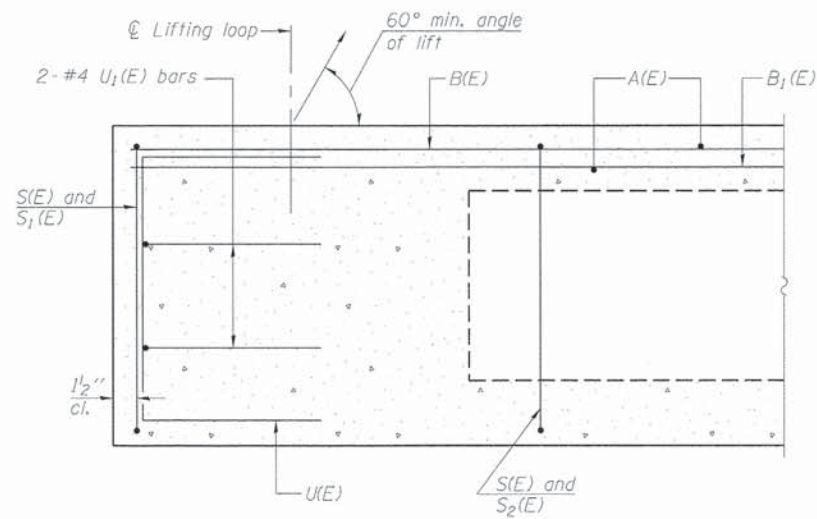
**SANGAMON COUNTY**  
**HIGHWAY DEPARTMENT**

**GENERAL PLAN**  
**TR-162 OVER PANTHER CREEK - S.N. 084-3503**

SHEET NO. 1 OF 9 SHEETS

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 162	09-01118-01-BR	SANGAMON	23	11
			CONTRACT NO.	03570

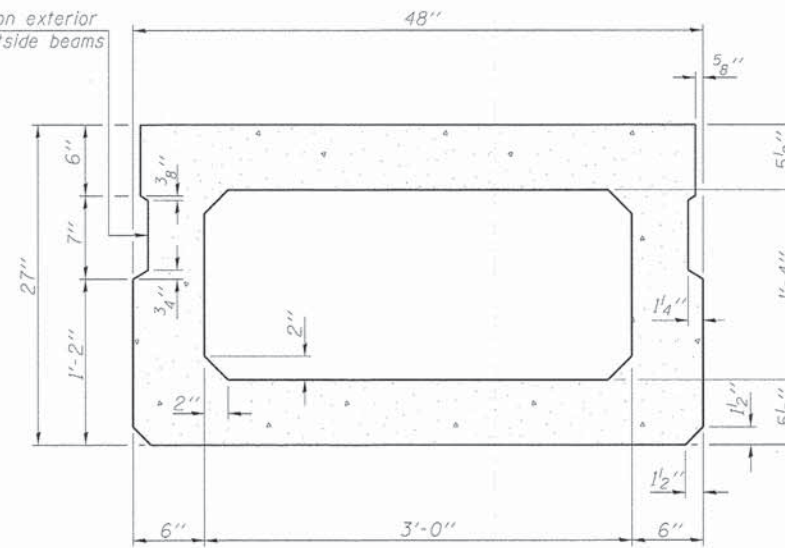
ILLINOIS FED. AID PROJECT



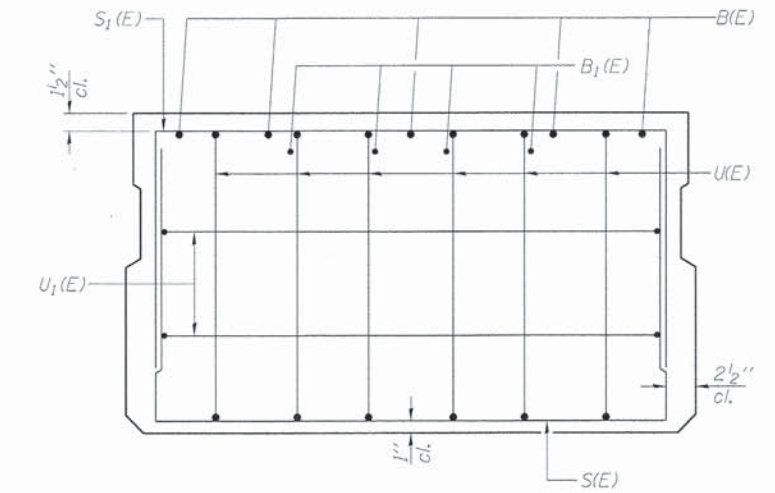
SECTION A-A

\*Omit key on exterior face of outside beams

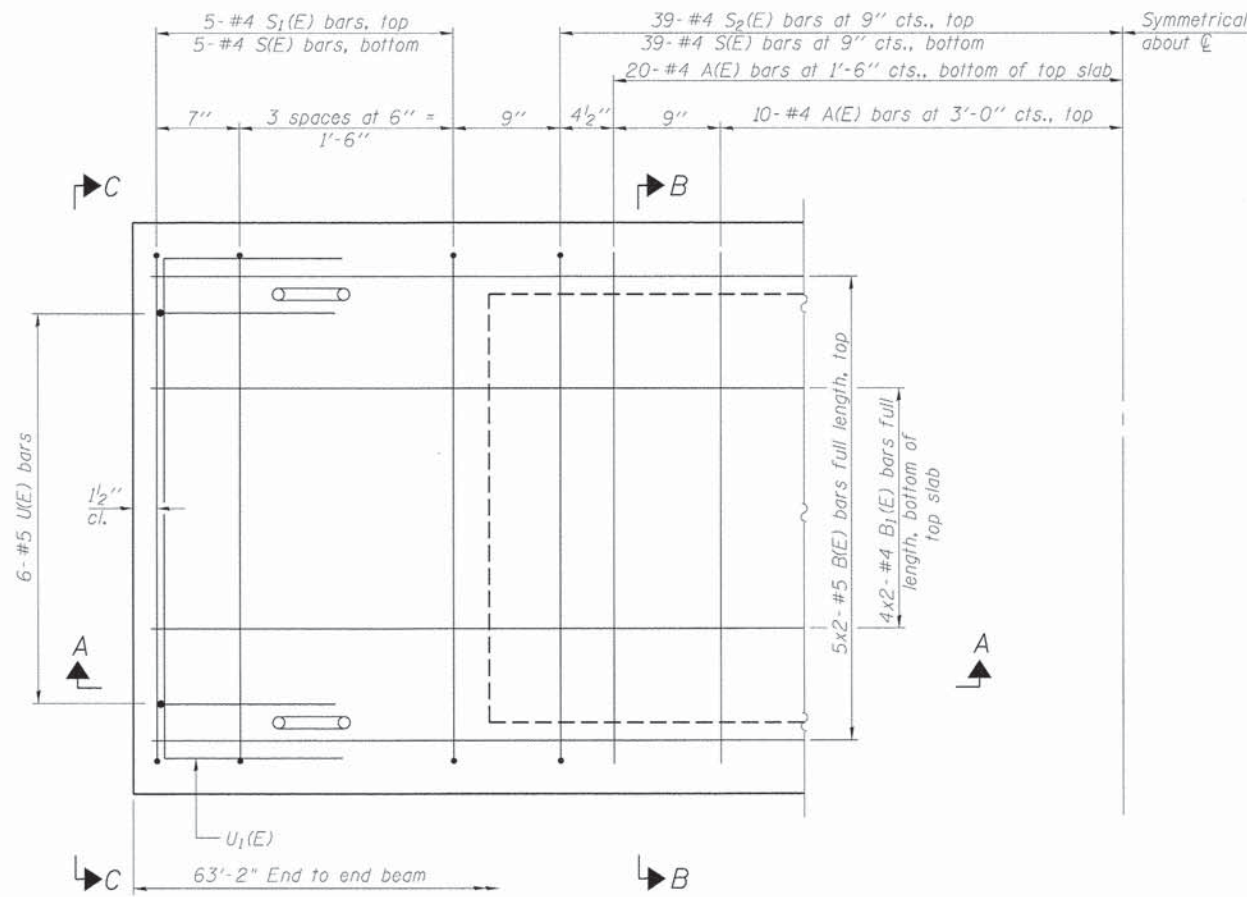
\*Rail Post Anchor Devices to be Cast into Exterior Face of Outside Beams.



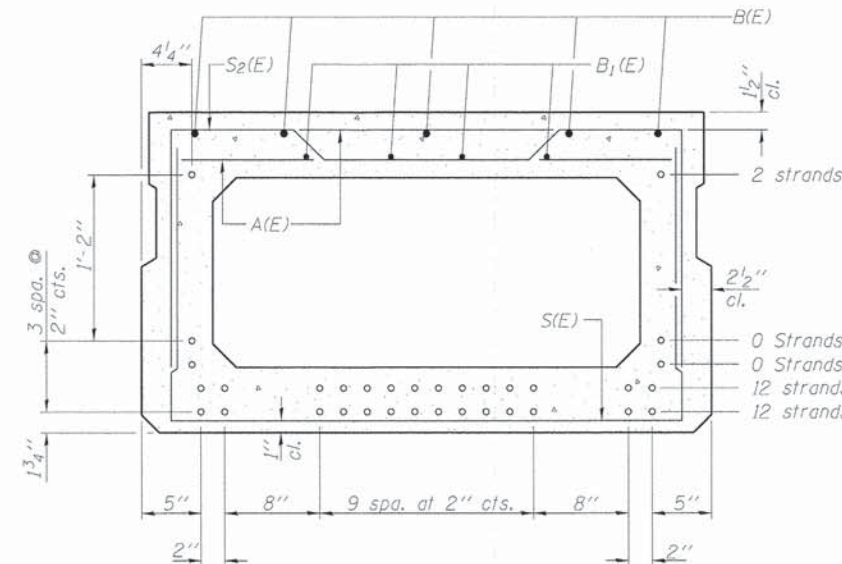
SECTION B-B  
(Showing dimensions)



VIEW C-C



PLAN VIEW



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)	60	#4	3'-7"	—
B(E)	10	#5	32'-8"	—
B1(E)	8	#4	32'-5"	—
S(E)	88	#4	7'-5"	┌
S1(E)	10	#4	6'-11"	┌
S2(E)	78	#4	7'-2"	┌
U(E)	12	#5	4'-6"	┌
U1(E)	4	#4	6'-0"	┌

Note: See sheet 3 of 9 for additional details and Bill of Material.

Bars indicated as thus 5x2 #5 etc. indicates 5 lines of bars with 2 lengths per line.

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.

MINIMUM BAR LAP

#4 bar = 2'-0"  
#5 bar = 2'-6"

PD-2748-0

7-1-10

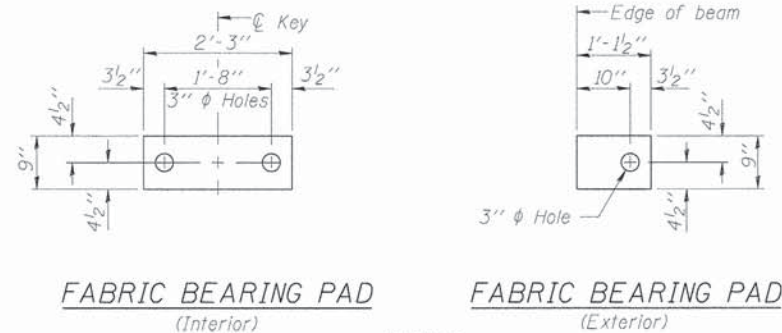
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		CHECKED - SAL	REVISED -
	PLOT SCALE =	DRAWN - TJW	REVISED -
	PLOT DATE =	CHECKED - SAL	REVISED -

SANGAMON COUNTY  
HIGHWAY DEPARTMENT

27" x 48" PPC DECK BEAM  
TR-162 OVER PANTHER CREEK - S.N. 084-3503

SHEET NO. 2 OF 9 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 162	09-01118-01-BR	SANGAMON	23	12
CONTRACT NO.			93570	
[ILLINOIS] FED. AID PROJECT				

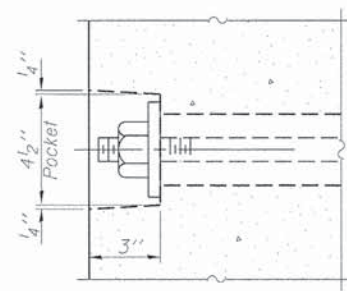


FABRIC BEARING PAD  
(Interior)

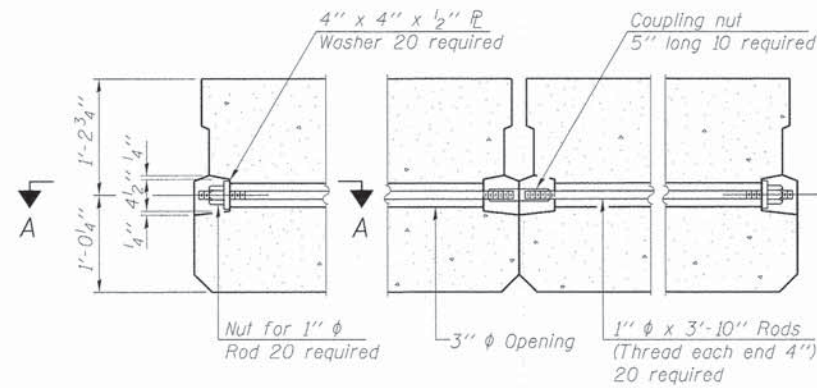
FABRIC BEARING PAD  
(Exterior)

FIXED

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

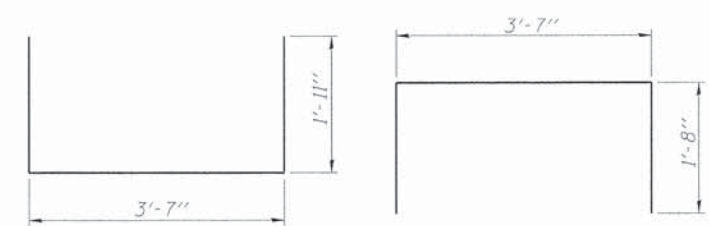


SECTION A-A



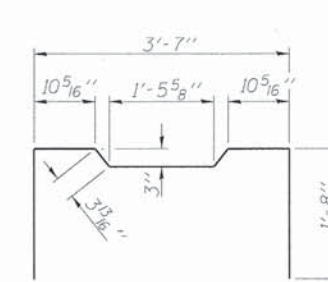
TYPICAL TRANSVERSE TIE ASSEMBLY

(2 Total Per Beam)



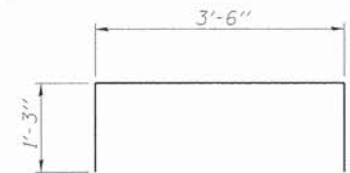
BAR S(E)

BAR S1(E)

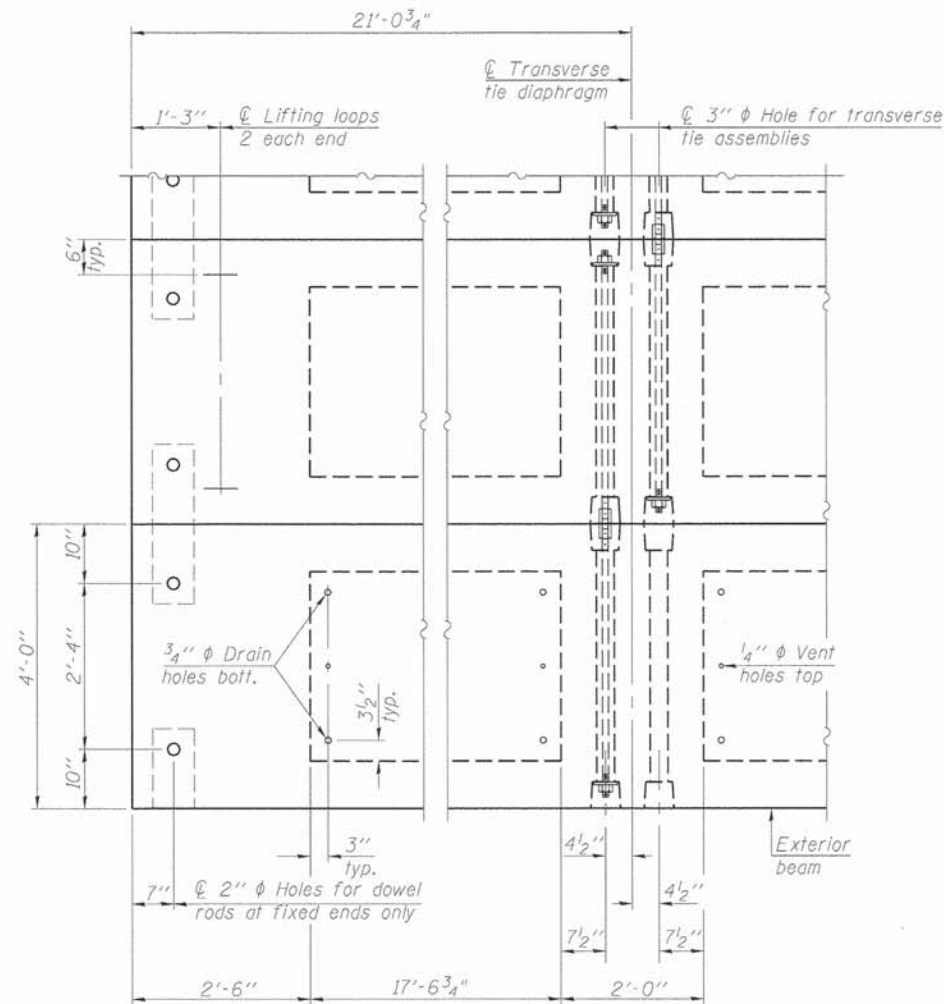


BAR S2(E)

BAR U(E)

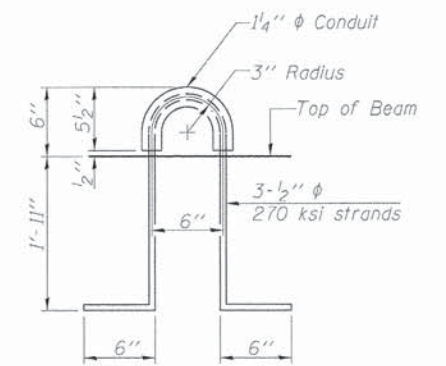


BAR U1(E)



PLAN VIEW

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



LIFTING LOOP DETAIL

(2 Total Per Beam)

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" 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.  
Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).  
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.  
A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.  
Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 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.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	1516
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PD-2748-OD

7-1-10

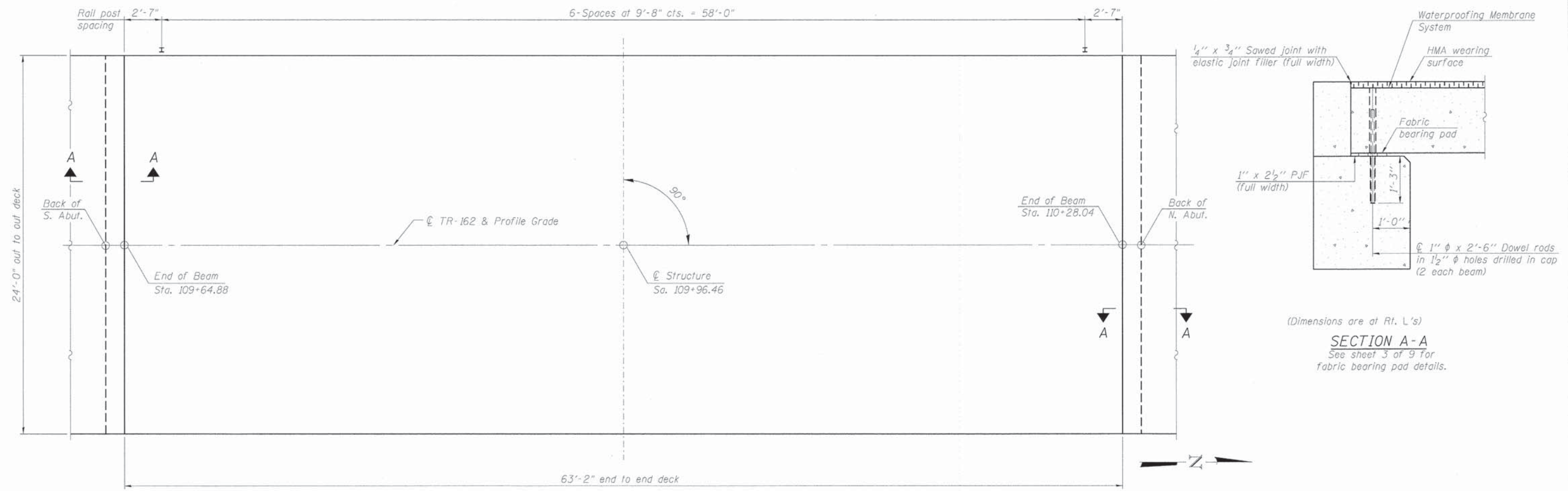
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		CHECKED - SAL	REVISED -
		DRAWN - TJW	REVISED -
		CHECKED - SAL	REVISED -

SANGAMON COUNTY  
HIGHWAY DEPARTMENT

27" x 48" PPC DECK BEAM DETAILS  
TR-162 OVER PANTHER CREEK - S.N. 084-3503

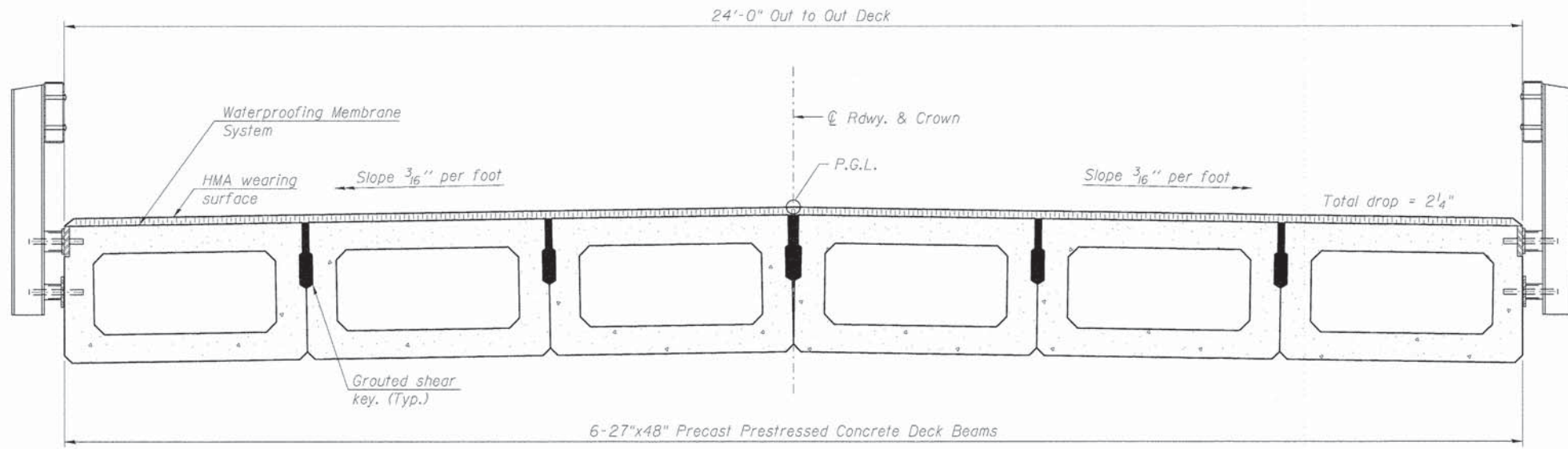
SHEET NO. 3 OF 9 SHEETS

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 162	09-01118-01-BR	SANGAMON	23	13
CONTRACT NO.			93570	
ILLINOIS FED. AID PROJECT				



(Dimensions are at Rt. L's)  
**SECTION A-A**  
 See sheet 3 of 9 for fabric bearing pad details.

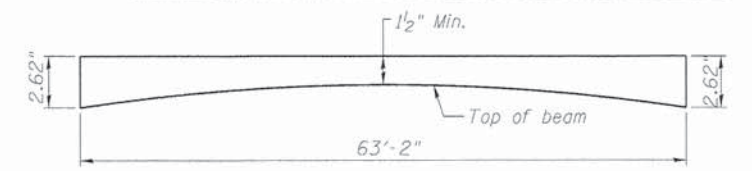
**PLAN**



**CROSS SECTION**

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Hot-Mix Asphalt Surface Course, Mix "C", N50	Tons	18.2



**ANTICIPATED HMA WEARING SURFACE PROFILE**  
 (For information only)

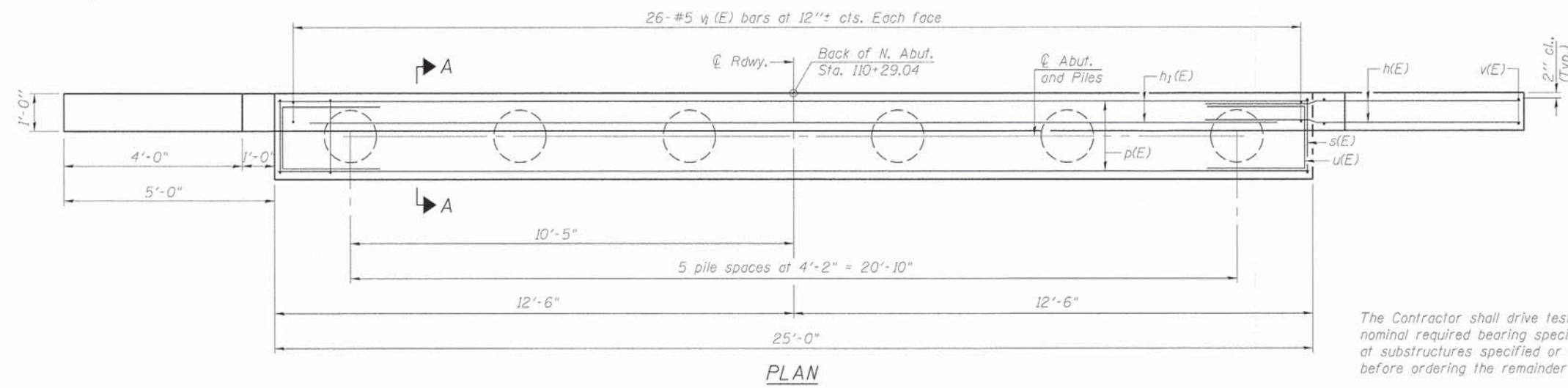
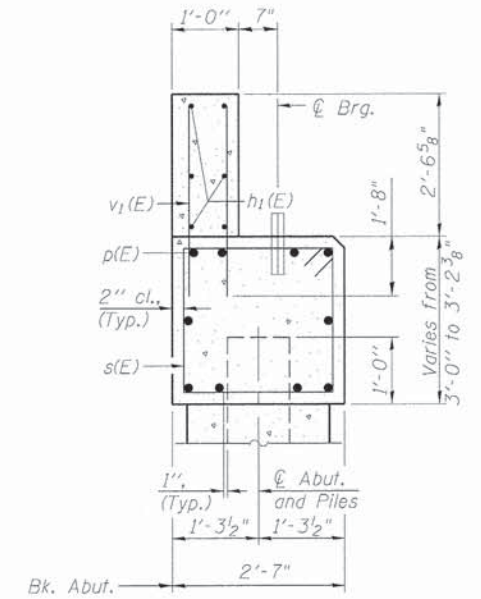
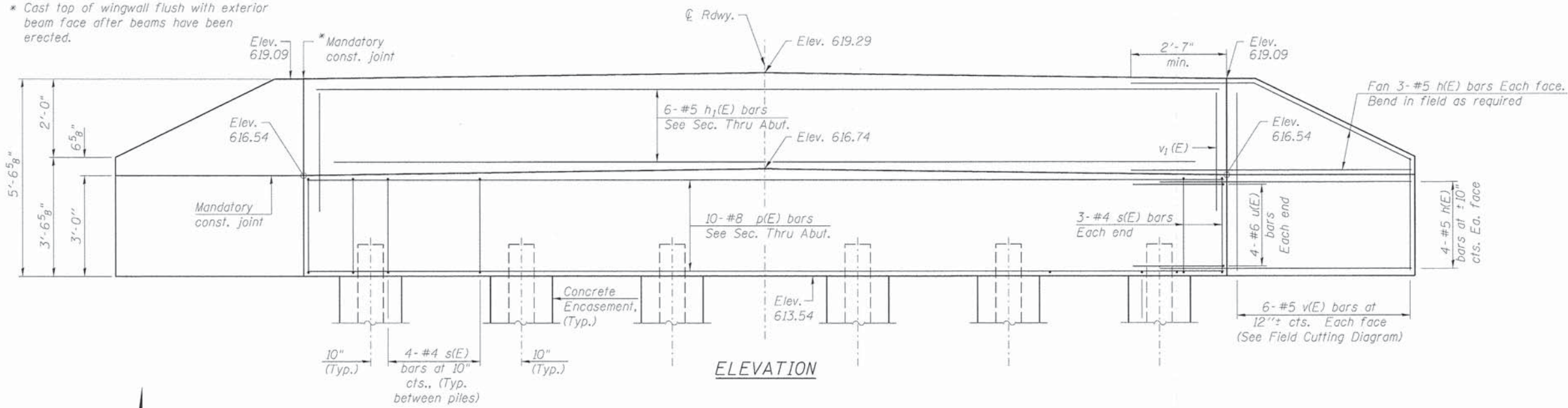
Note:  
 See sheet 3 of 9 for Superstructure Details and Bill of Material.

**MINIMUM BAR LAP**  
 #4 bar = 2'-7"

FILE NAME = TR162 over Panther Creek	USER NAME =	DESIGNED - CMW	REVISED -	<b>SANGAMON COUNTY HIGHWAY DEPARTMENT</b>	<b>SUPERSTRUCTURE TR-162 OVER PANTHER CREEK - S.N. 084-3503</b>	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED - SAL	REVISED -			TR 162	09-01118-01-BR	SANGAMON	23	14	
		DRAWN - TJW	REVISED -			CONTRACT NO. 93570					
		CHECKED - SAL	REVISED -			ILLINOIS FED. AID PROJECT					



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



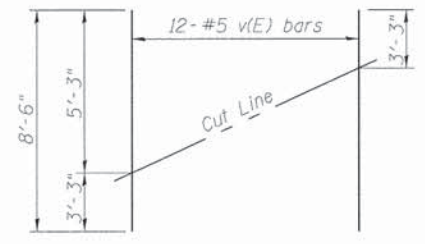
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	28	#5	8'-0"	—
h1(E)	6	#5	24'-8"	—
p(E)	10	#8	24'-8"	—
s(E)	26	#4	10'-7"	□
u(E)	8	#6	11'-2"	—
v(E)	12	#5	8'-6"	—
v1(E)	52	#5	4'-1"	—
Structure Excavation			Cu. Yd.	28
Concrete Structures			Cu. Yd.	11.6
Reinforcement Bars, Epoxy Coated			Pound	1690
Furnishing Steel Piles, HP 14x73			Foot	165
Driving Piles			Foot	165
Test Pile, HP 14x73			Each	1
Concrete Encasement			Cu. Yd.	3.3
Controlled Low-Strength Material			Cu. Yd.	15.0

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.

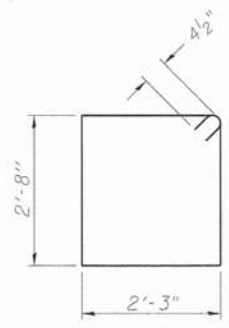
**PILE DATA**

Type: Steel HP 14x73  
 Nominal Required Bearing: 330k  
 Factored Resistance Available: 110k  
 Est. Length: 33'-0"  
 No. Production Piles: 6\*  
 No. Test Piles: 1  
 \*Includes Test Pile.

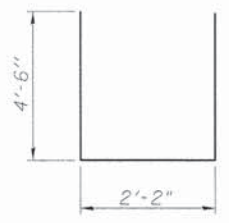


**FIELD CUTTING DIAGRAM**

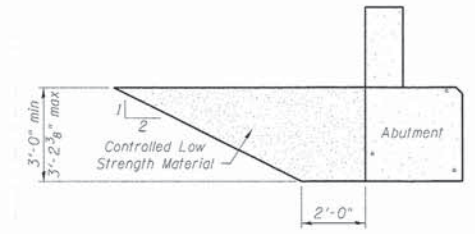
Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.



**BAR s(E)**



**BAR u(E)**



**CONTROLLED LOW STRENGTH MATERIAL LIMITS**

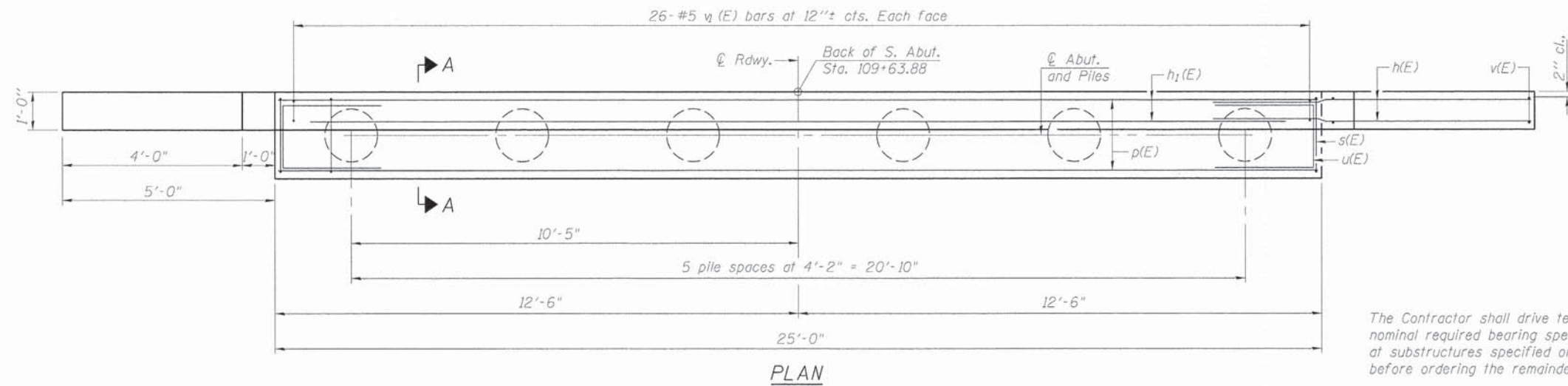
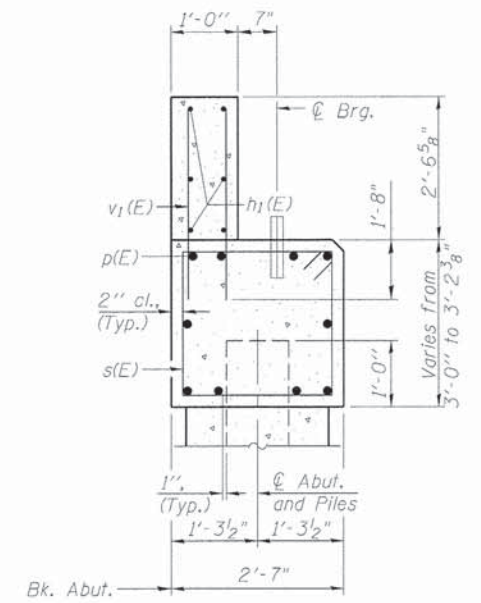
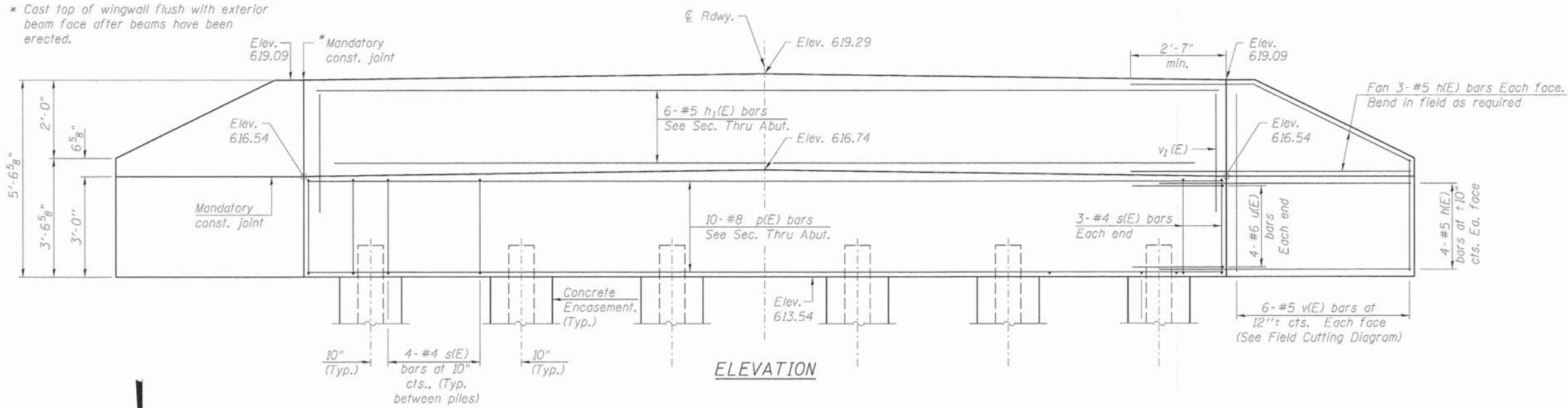
**NOTES:**

For details of piles and Concrete Encasement, see sheet 8 of 9.  
 Cast backwall after beams have been erected.  
 Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specifications.

FILE NAME = TR162 over Panther Creek	USER NAME =	DESIGNED - CMW	REVISOR -	<b>SANGAMON COUNTY HIGHWAY DEPARTMENT</b>	<b>NORTH ABUTMENT TR-162 OVER PANTHER CREEK - S.N. 084-3503</b>	RT. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
PLLOT SCALE =	CHECKED - SAL	REVISOR -	TR 162			09-01118-01-BR	SANGAMON	23	16	
PLLOT DATE =	DRAWN - TJW	REVISOR -	CONTRACT NO. 93570							
	CHECKED - SAL	REVISOR -	SHEET NO. 6 OF 9 SHEETS							



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



**BILL OF MATERIAL**

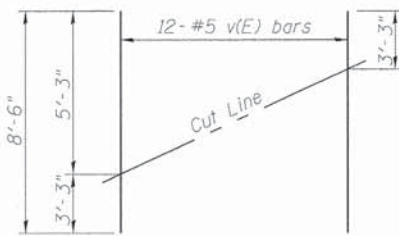
Bar No.	Size	Length	Shape
h(E)	#5	8'-0"	—
h1(E)	#5	24'-8"	—
p(E)	#8	24'-8"	—
s(E)	#4	10'-7"	□
u(E)	#6	11'-2"	—
v(E)	#5	8'-6"	—
v1(E)	#5	4'-1"	—
Structure Excavation	Cu. Yd.	25	
Concrete Structures	Cu. Yd.	11.6	
Reinforcement Bars, Epoxy Coated	Pound	1690	
Furnishing Steel Piles, HP 14x73	Foot	140	
Driving Piles	Foot	140	
Test Pile, HP 14x73	Each	1	
Concrete Encasement	Cu. Yd.	3.3	
Controlled Low-Strength Material	Cu. Yd.	15.0	

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.

**PILE DATA**

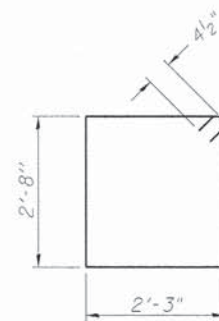
Type: Steel HP 14x73  
 Nominal Required Bearing: 330k  
 Factored Resistance Available: 110k  
 Est. Length: 28'-0"  
 No. Production Piles: 6\*  
 No. Test Piles: 1

\*Includes Test Pile.

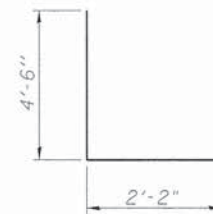


**FIELD CUTTING DIAGRAM**

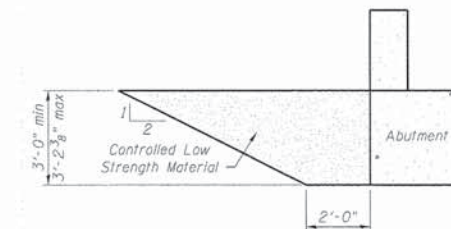
Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.



BAR s(E)



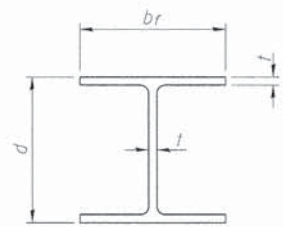
BAR u(E)



**CONTROLLED LOW STRENGTH MATERIAL LIMITS**

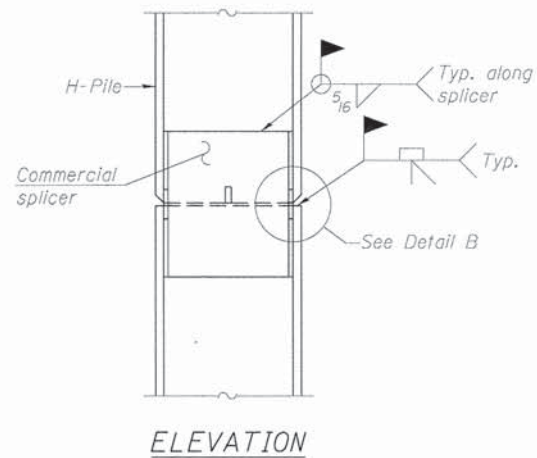
**NOTES:**

For details of piles and Concrete Encasement, see sheet 8 of 9.  
 Cast backwall after beams have been erected.  
 Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specifications.

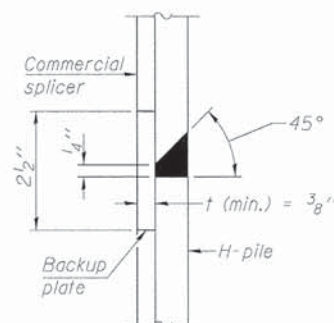


STEEL PILE TABLE

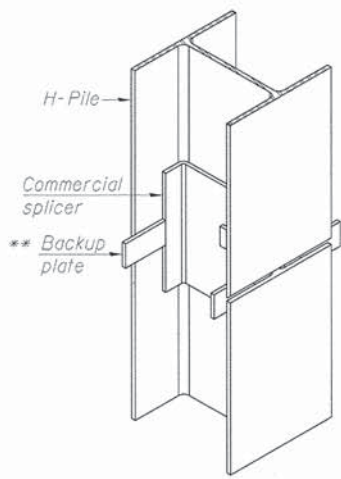
Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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

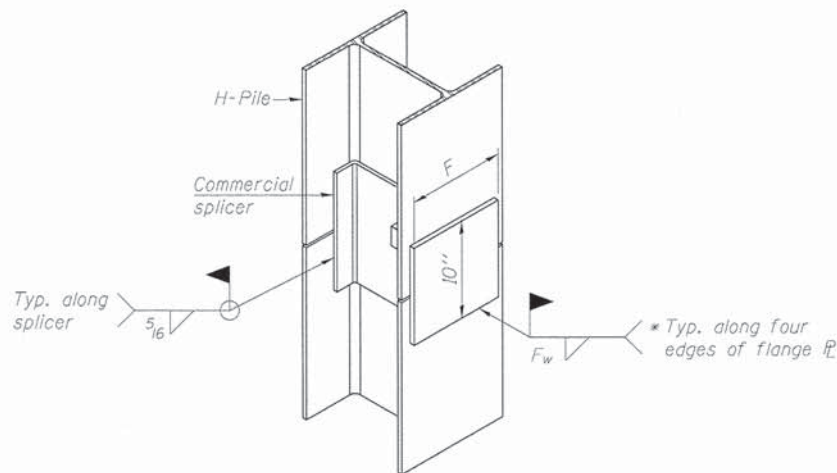


DETAIL "B"



ISOMETRIC VIEW

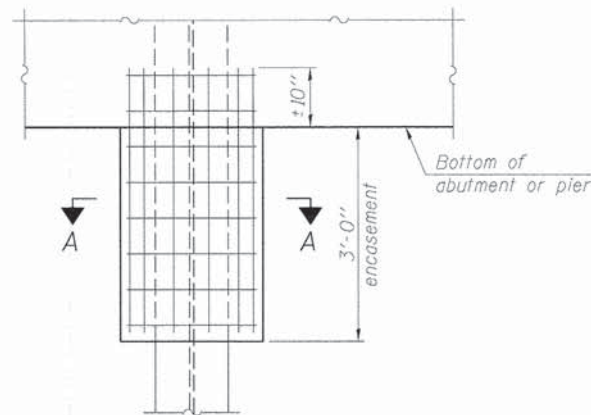
WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW

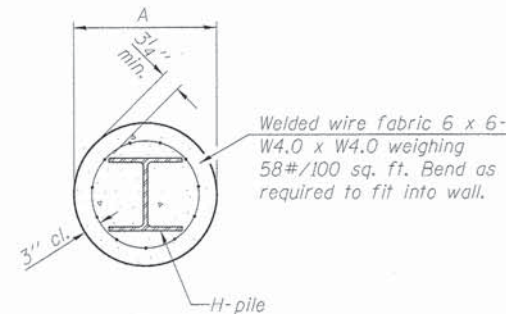
WELDED COMMERCIAL SPLICE ALTERNATE

- \* 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.).



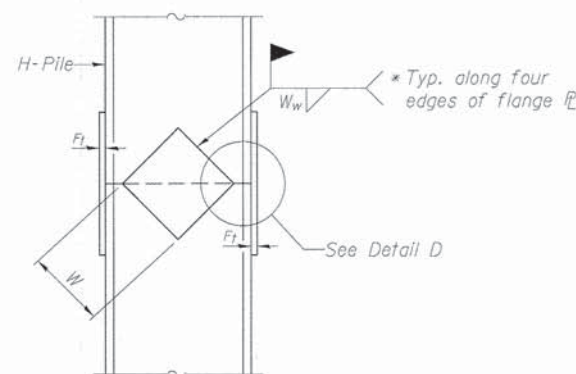
ELEVATION

PILE ENCASEMENT

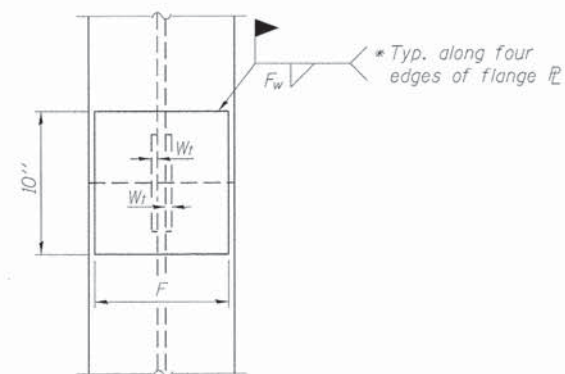


SECTION A-A

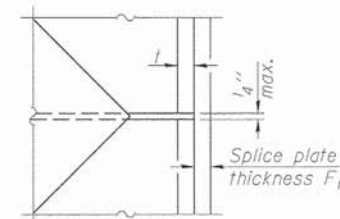
Note:  
Forms for encasement may be omitted when soil conditions permit.



ELEVATION



END VIEW



DETAIL D

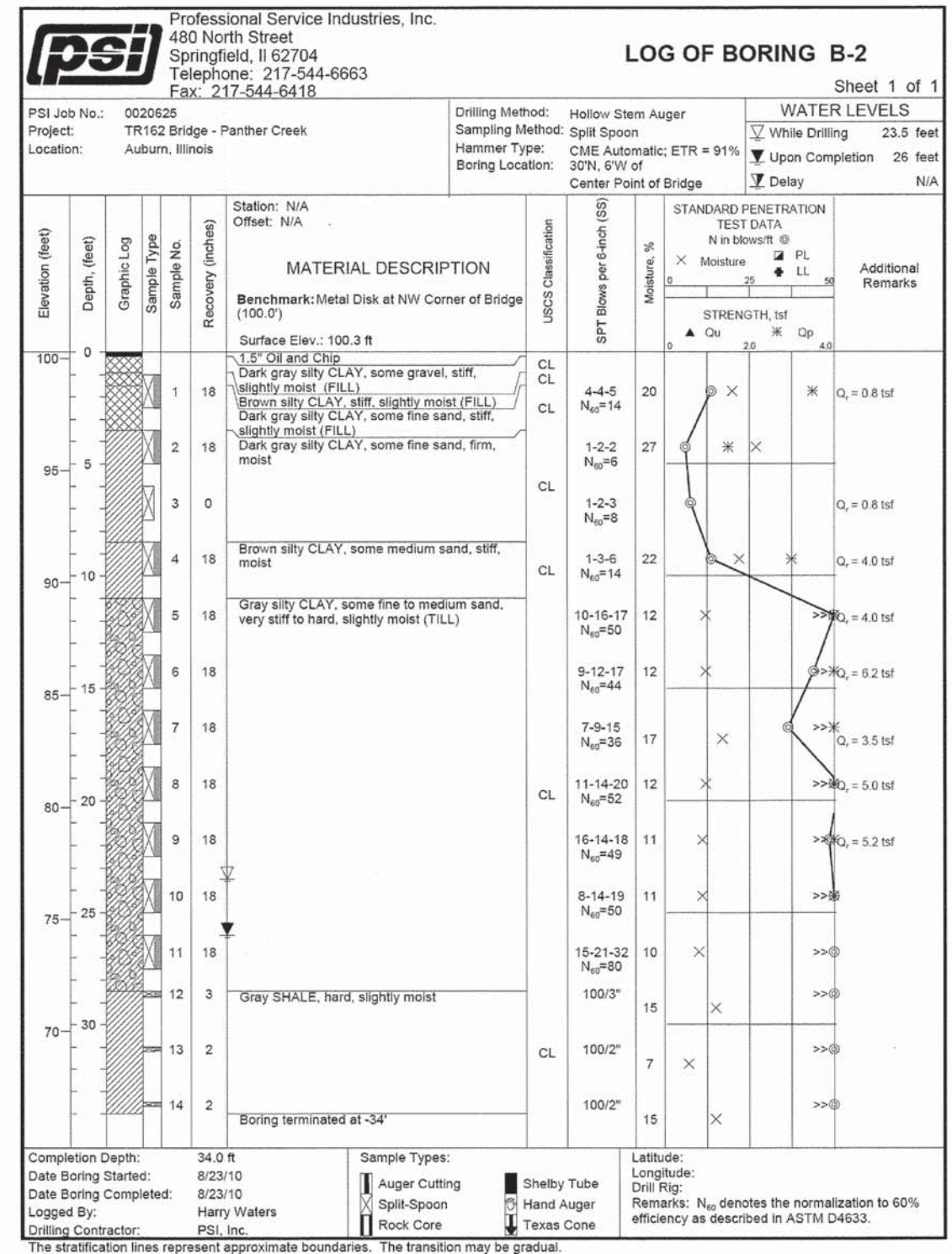
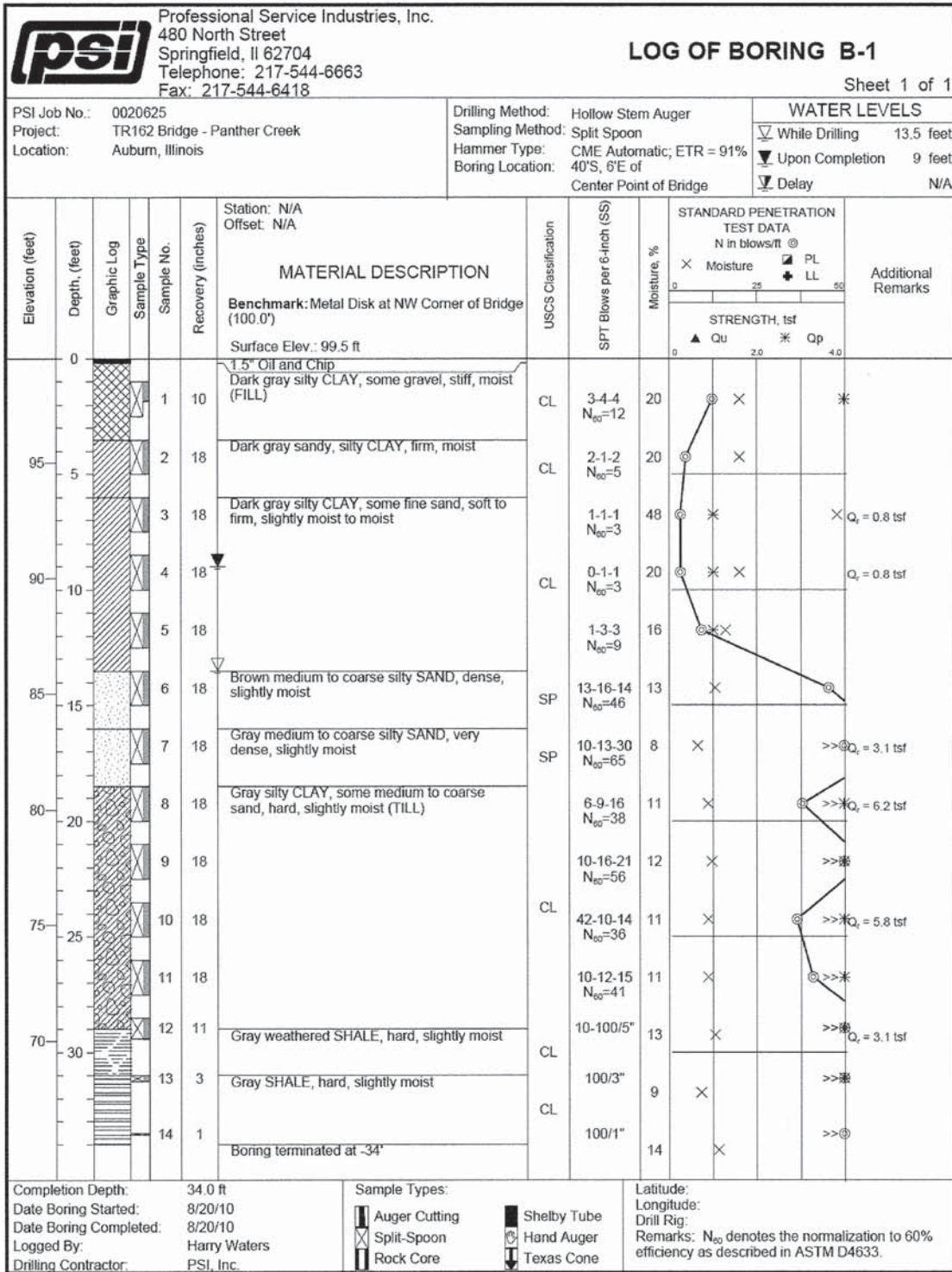
WELDED PLATE FIELD SPLICE

Designation	F	F <sub>t</sub>	F <sub>w</sub>	W	W <sub>t</sub>	W <sub>w</sub>
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 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 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 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.

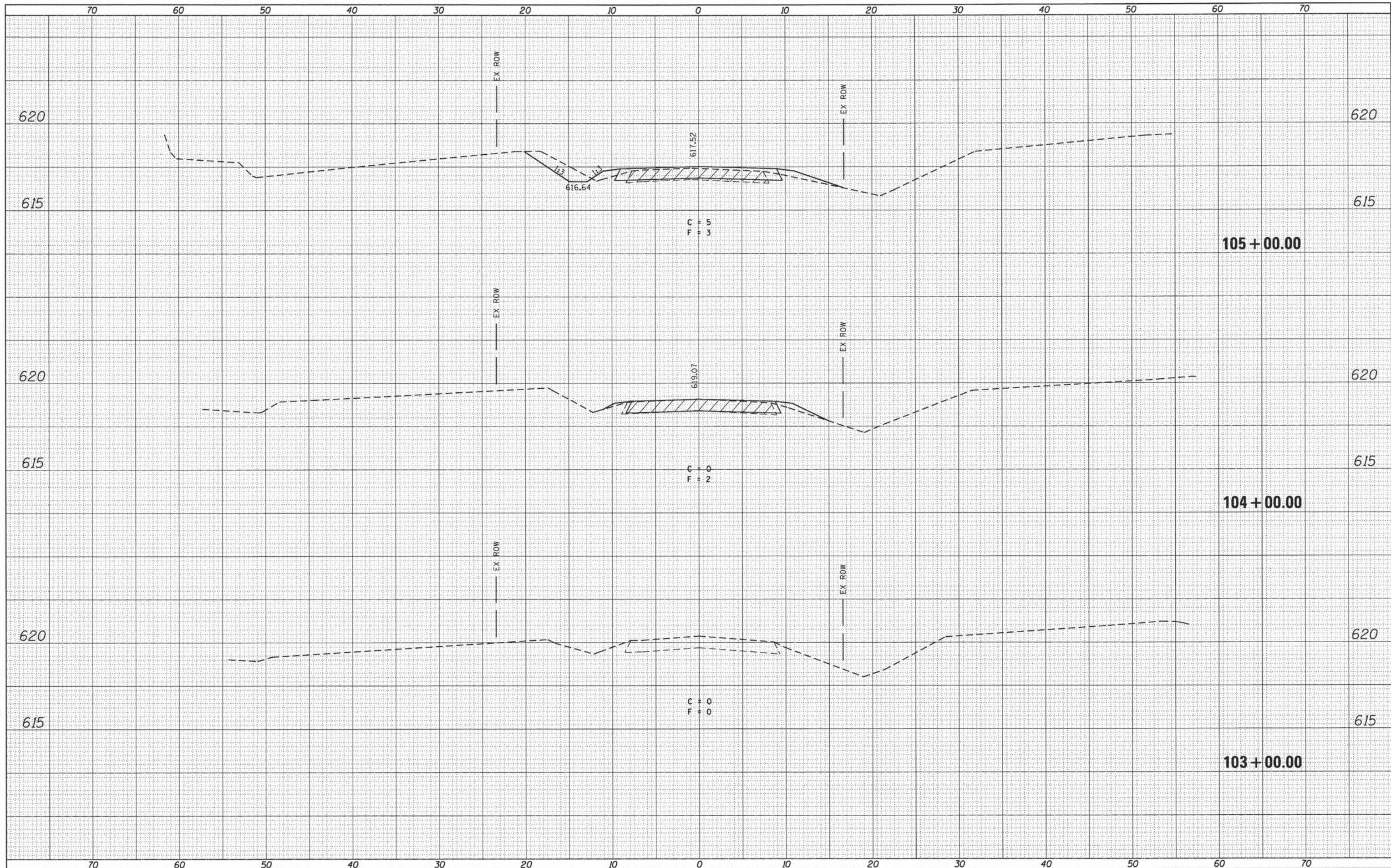
F-HP 7-1-10

FILE NAME = TR162 over Panther Creek	USER NAME =	DESIGNED - CMW	REVISD -	<b>SANGAMON COUNTY HIGHWAY DEPARTMENT</b>	<b>HP PILE DETAILS TR-162 OVER PANTHER CREEK - S.N. 084-3503</b>	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED - SAL	REVISD -			TR 162	09-01118-01-BR	SANGAMON	23	18	
		DRAWN - TJW	REVISD -			CONTRACT NO. 93570					
		CHECKED - SAL	REVISD -			ILLINOIS FED. AID PROJECT					



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

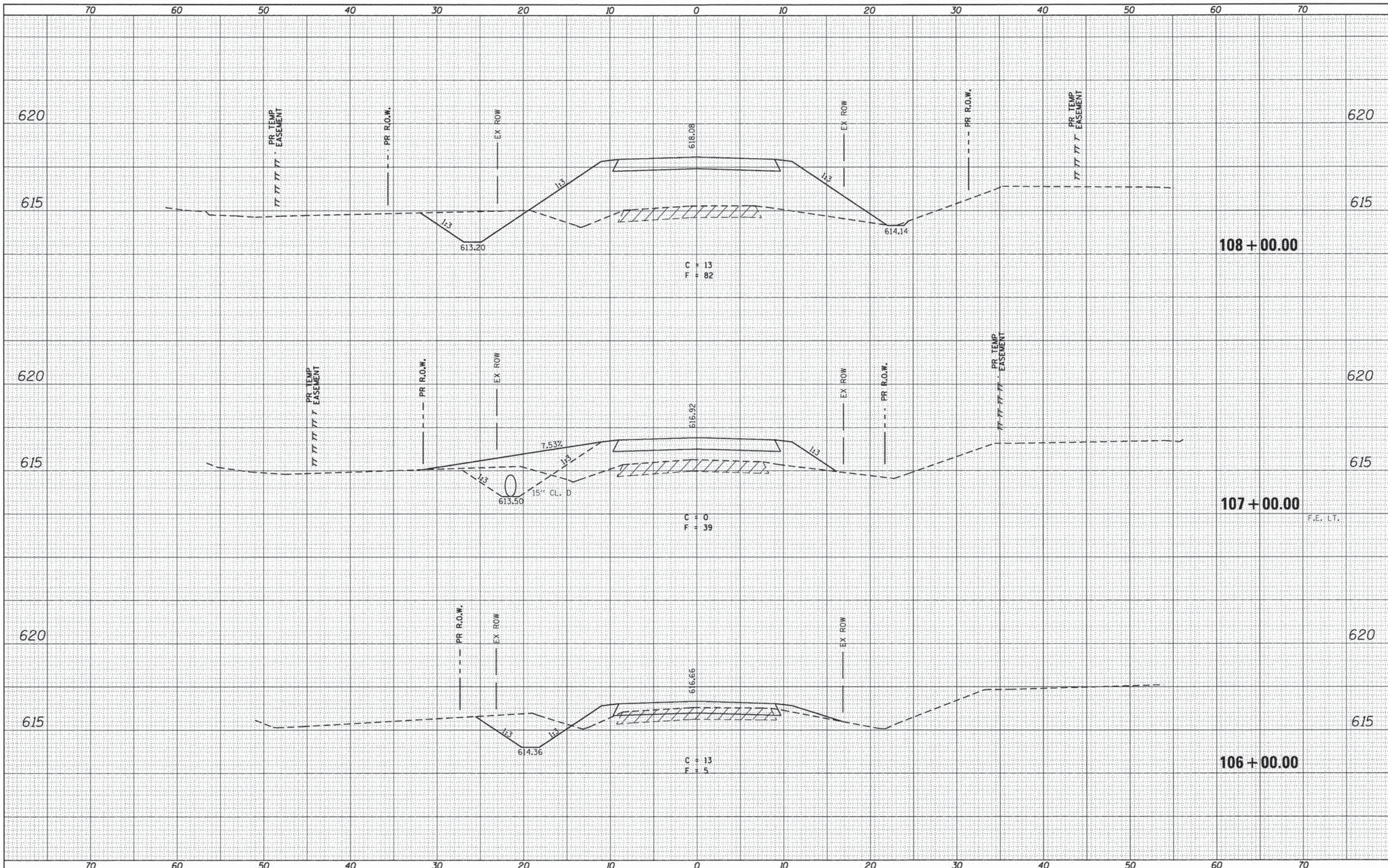
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	



USER NAME = jleaf	DESIGNED - R.A.W.	REVISED -	<b>SANGAMON COUNTY HIGHWAY DEPARTMENT</b>	<b>CROSS SECTIONS</b>			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLLOT SCALE = 10.0000' / 1in.	DRAWN - J.D.	REVISED -					TR 162	09-01118-01-BR	SANGAMON	23	20
PLLOT DATE = 4/21/2014	CHECKED - J.S.A.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 103+00.00 TO STA. 105+00.00			CONTRACT NO. 93570				
PLLOT DATE = 8/17/09	DATE - 8/17/09	REVISED -					ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

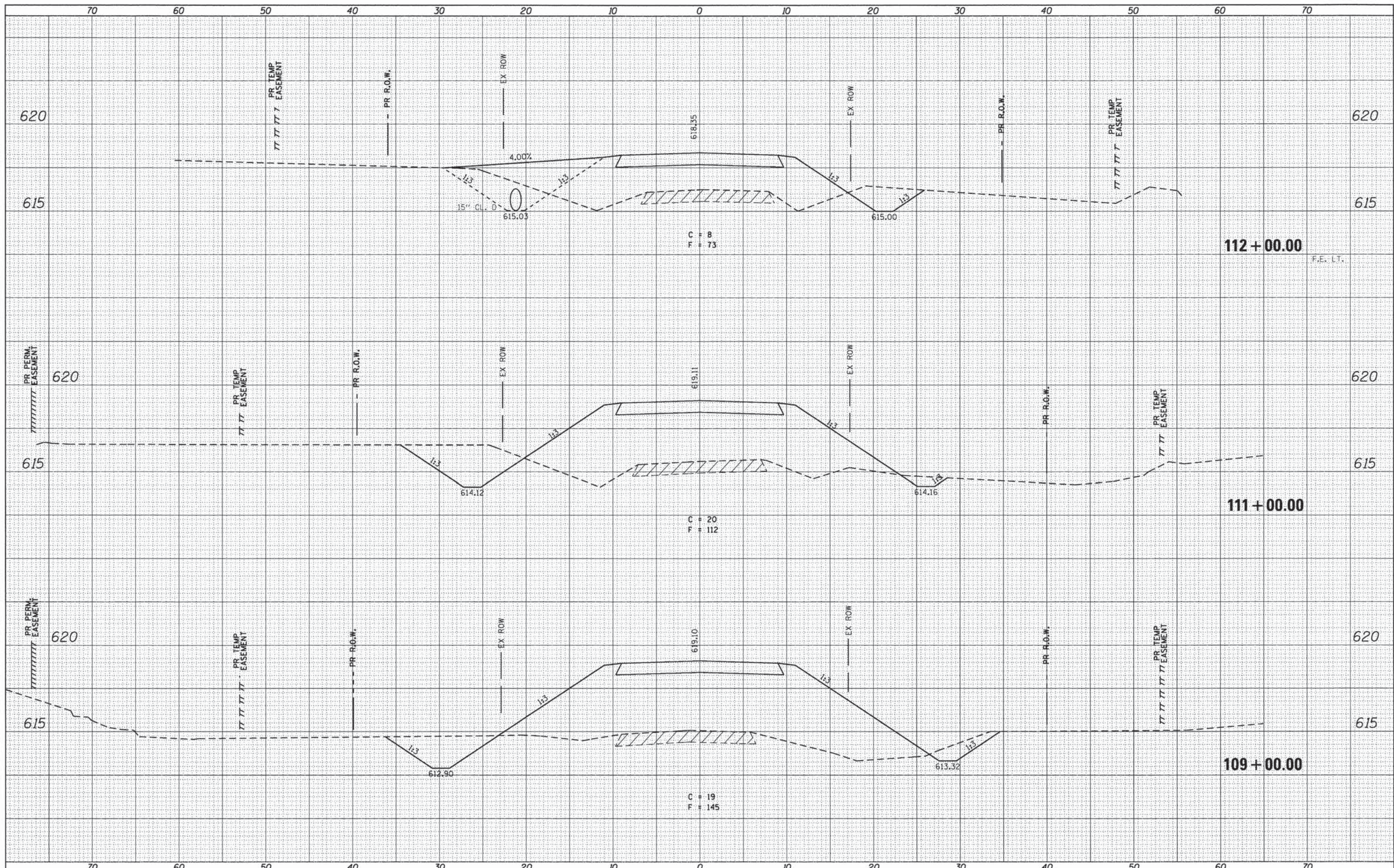
DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



USER NAME = jleaf	DESIGNED - R.A.W.	REVISED -	<b>SANGAMON COUNTY HIGHWAY DEPARTMENT</b>	<b>CROSS SECTIONS</b>			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 10,000' / 1" =	DRAWN - J.D.	REVISED -					TR 162	09-01118-01-BR	SANGAMON	23	21
PLOT DATE = 4/21/2014	CHECKED - J.S.A.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 106+00.00 TO STA. 108+00.00			CONTRACT NO. 93570				
DATE - 8/17/09	REVISED -	REVISED -					ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
NO.	

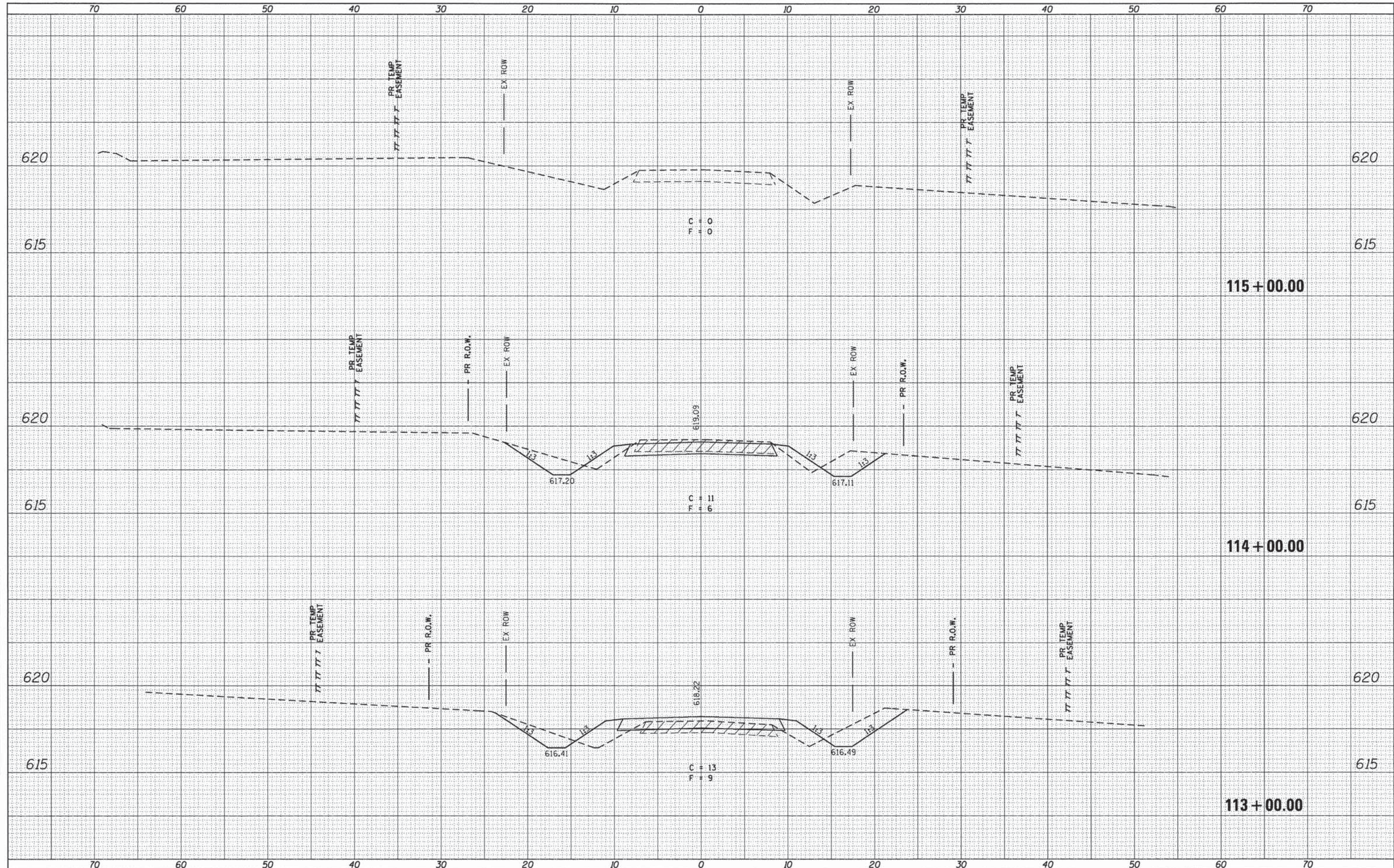
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
NO.	



USER NAME = jleaf	DESIGNED - R.A.W.	REVISED -	<b>SANGAMON COUNTY HIGHWAY DEPARTMENT</b>	<b>CROSS SECTIONS</b>				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLLOT SCALE = 10,0000' / 1" =	DRAWN - J.D.	REVISED -						TR 162	09-01118-01-BR	SANGAMON	23	22
PLLOT DATE = 4/21/2014	CHECKED - J.S.A.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 109+00.00 TO STA. 112+00.00				CONTRACT NO. 93570				
DATE - 8/17/09	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL	
SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	



USER NAME = jleaf	DESIGNED - R.A.W.	REVISED -
	DRAWN - J.D.	REVISED -
	CHECKED - J.S.A.	REVISED -
	DATE - 8/17/09	REVISED -

**SANGAMON COUNTY  
HIGHWAY DEPARTMENT**

**CROSS SECTIONS**

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 162	09-01118-01-BR	SANGAMON	23	23
CONTRACT NO. 93570				
ILLINOIS FED. AID PROJECT				

SCALE:	SHEET NO.	OF SHEETS	STA. 113+00.00 TO STA. 115+00.00
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