

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 194	13-01132-00-BR	VERMILION	30	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 91548	

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	SUMMARY OF QUANTITIES AND GENERAL NOTES
3.	TYPICAL CROSS SECTIONS
4.	PLAN AND PROFILE
5.	SHOULDER AND GUARDRAIL LAYOUT
6-13.	BRIDGE PLANS
14-15.	BORINGS
16-30.	STATION CROSS SECTIONS

HIGHWAY STANDARDS:

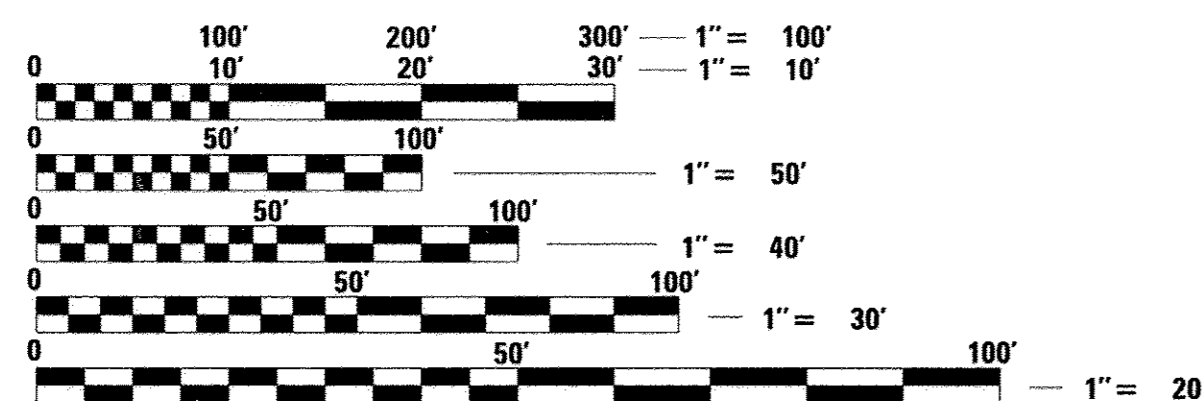
001006	DECIMAL OF AN INCH AND OF A FOOT
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-03	NAME PLATE FOR BRIDGES
630301-07	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701901-06	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 27-1	TRAFFIC BARRIER TERMINAL, TYPE 5A

UTILITIES

AT&T
201 S. NEIL STREET
CHAMPAIGN, IL 61820

**PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM
OFF SYSTEM BRIDGE**

**PROJECT BROS-0183(326)
SECTION 13-01132-00-BR
BLOUNT ROAD DISTRICT
VERMILION COUNTY
T.R. 194 / INDIAN SPRINGS ROAD
PROPOSED STRUCTURE NO. 092-3529
C-95-307-17**



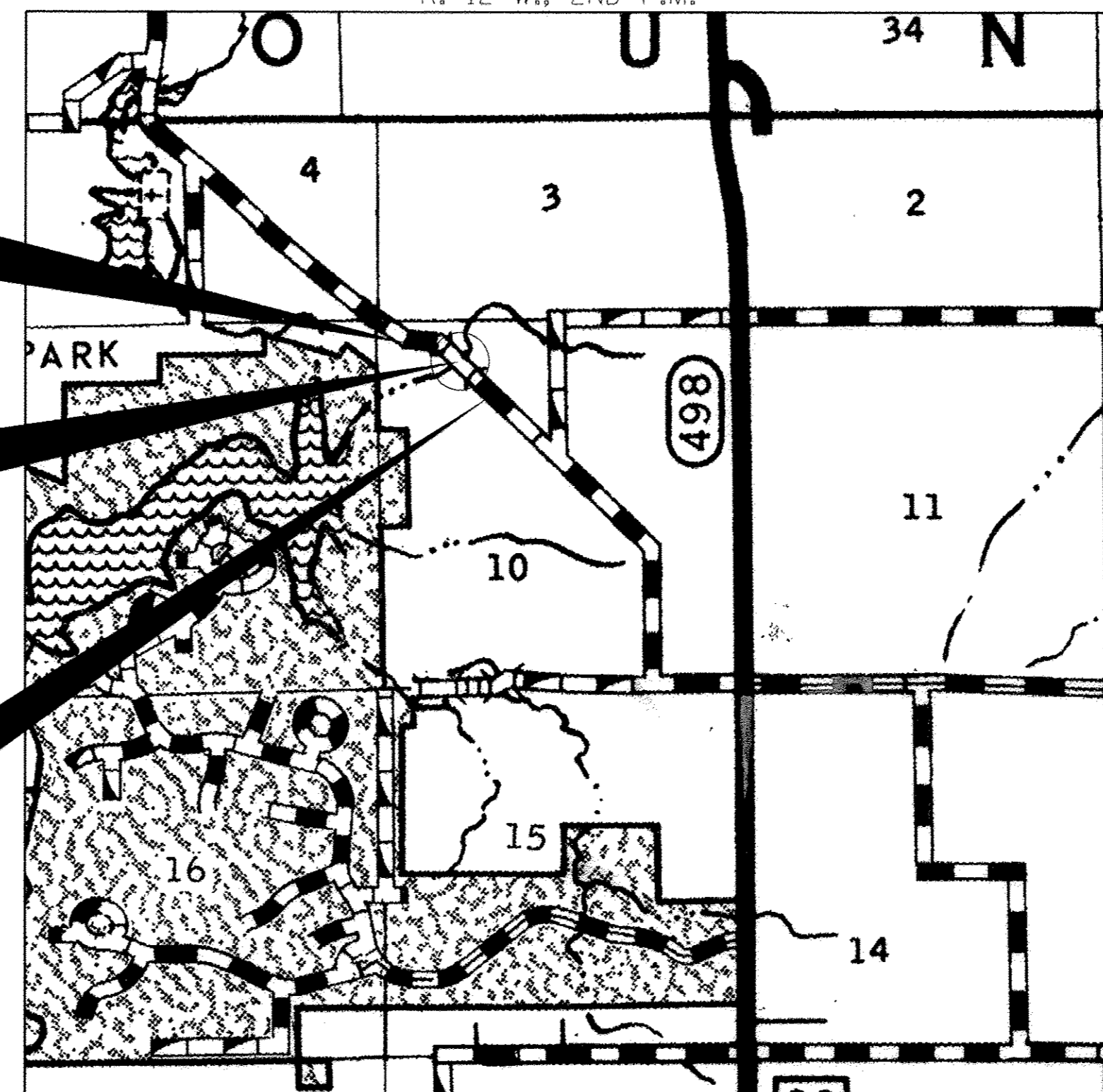
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

FUNCTIONAL CLASSIFICATION: LOCAL ROAD (0-250)
DESIGN SPEED: 30 MPH
DESIGN TRAFFIC: 150 ADT

IMPROVEMENT BEGINS
STATION 10+00

STA. 11+43
PRECAST PRESTRESSED CONCRETE DECK BEAM
BRIDGE. SINGLE SPAN @ 55'-0"
27'-0" RDWY.; SKEW = 30°
EXISTING STRUCTURE NO. 092-3145
PROPOSED STRUCTURE NO. 092-3529

IMPROVEMENT ENDS
STATION 13+00



LOCATION MAP

APPROXIMATE SCALE: 0 1/2 MILE
NET LENGTH OF SECTION = 300 FEET = 0.056 MILES



WARNING

**CALL 811
BEFORE YOU DIG
DIG NO: X1392225**

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED *April 7* 2017
Douglas R. Atack
COUNTY ENGINEER

APPROVED *April 11* 2017
Randall G. Leber
TOWNSHIP COMMISSIONER

PASSED *April 12* 2017
Bob F. [Signature]
DISTRICT FIVE ENGINEER OF
LOCAL ROADS & STREETS
Releasing For Bid Based on Limited Review
April 11 2017
James O. [Signature]
REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE: *04/06/2017*

EXPIRES: 11/30/2017

HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS

HLR
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	CONSTRUCTION
			TYPE CODE 0011 TOTAL
20200100	EARTH EXCAVATION	CU YD	185
20300100	CHANNEL EXCAVATION	CU YD	330
28000305	TEMPORARY DITCH CHECKS	FOOT	36
28000400	PERIMETER EROSION BARRIER	FOOT	180
A 28100807	STONE DUMPED RIPRAP, CLASS A4	TON	350
A 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	344
48101200	AGGREGATE SHOULDERS, TYPE B	TON	30
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	60
50300225	CONCRETE STRUCTURES	CU YD	31.6
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	1,485
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,540
* 50900205	STEEL RAILING, TYPE S1	FOOT	111
51201400	FURNISHING STEEL PILES HP10X42	FOOT	400
51202305	DRIVING PILES	FOOT	400
51203400	TEST PILE STEEL HP10X42	EACH	2
51204650	PILE SHOES	EACH	10
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	150
58700300	CONCRETE SEALER	SQ FT	120
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	66
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
67100100	MOBILIZATION	L SUM	1
A 70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
A X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.25
A XX004566	CONCRETE CUT-OFF WALL	CU YD	6.0
A Z0013798	CONSTRUCTION LAYOUT	L SUM	1

A SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

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.
- THE REVISION NUMBERS OF THE STANDARDS LISTED IN THE PLANS ARE TO BE USED FOR CONSTRUCTING OF THIS SECTION.
- ALL CLEARING AND GRUBBING, FENCE REMOVAL, REMOVAL OF EXISTING DRAINAGE STRUCTURES AND PAVED DITCH SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE REMOVAL OF THE EXISTING PAVEMENT WILL BE PAID FOR AS EARTH EXCAVATION. ALL BITUMINOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. PROPER DISPOSAL OF BITUMINOUS MATERIAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE LOCATION OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- 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 PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE SURFACE COURSE	1.80 TON/CU YD
STONE RIPRAP	1.75 TON/CU YD
AGGREGATE SHOULDER	2.00 TON/CU YD
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.
ESTIMATED QUANTITY: SEEDING, CLASS 2 (SPECIAL) = 0.25 ACRES
- TREE REMOVAL WILL BE COMPLETED BY OTHERS.
- COMMITMENTS:

THE FAIRCHILD CEMETERY PRAIRIE / SAVANNA NATURE PRESERVE OCCURS WITHIN THE VICINITY OF THE PROPOSED IMPROVEMENT. THE FOLLOWING COMMITMENTS SHALL BE IMPLEMENTED AS TO NOT ADVERSELY IMPACT THIS SITE OR ANY THREATENED OR ENDANGERED SPECIES:

- THERE CAN BE NO INTRODUCTION OF SEED OR PLANT MATERIAL INTO THE NATURE PRESERVE.
- PREVENTIVE EROSION CONTROL MEASURES MUST BE TAKEN, WITH SPECIFIC ATTENTION GIVEN TO THE SLOPING TOPOGRAPHY OF THE NATURE PRESERVE; THERE CAN BE NO UNDERCUTTING OF THE SLOPE THAT SUPPORTS THE NATURE PRESERVE.
- THERE CAN BE NO STAGING OF EQUIPMENT OR CONSTRUCTION MATERIALS WITHIN THE BOUNDARY OF THE NATURE PRESERVE.
- TREES 3 INCHES OR GREATER IN DIAMETER AT BREST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1 TO SEPTEMBER 30.

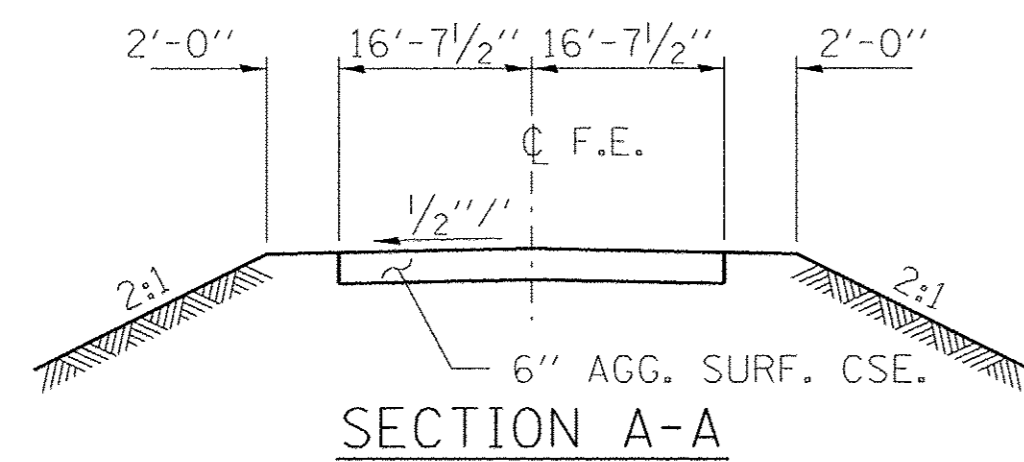
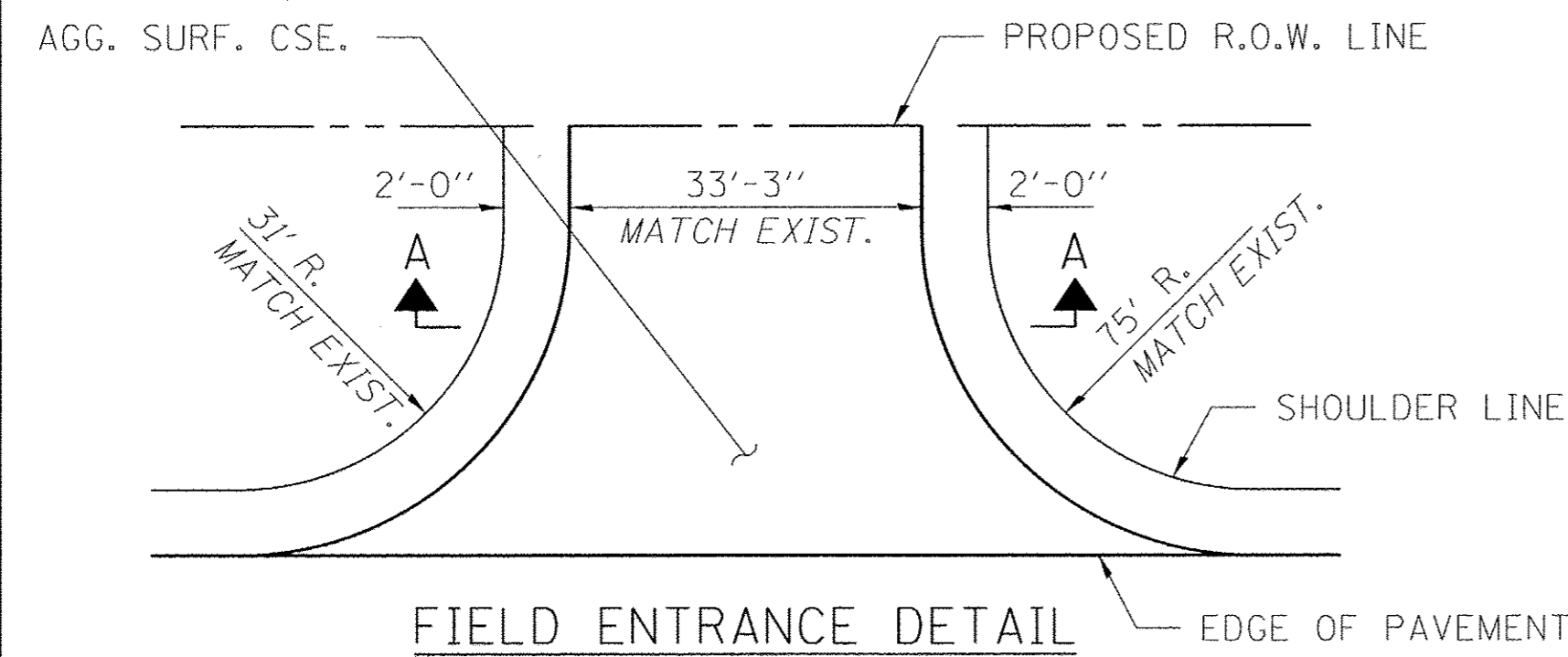
EROSION CONTROL SCHEDULE

LOCATION	TEMPORARY	PERIMETER
	DITCH CHECK 28000305 FOOT	EROSION BARRIER 28000400 FOOT
TR 194		
RT. STA 11+10	18	
LT. STA 11+70	18	
LT. STA 10+45 TO LT. STA 11+00		55
RT. STA 11+75 TO LT. STA 13+00		125
TOTAL	36	180

EARTHWORK SCHEDULE

LOCATION	EARTH	CHANNEL	SHRINKAGE	PERCENT	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	EXCAVATION	EXCAVATION	FACTOR	USED			
	20200100	20300100			CU.YD.	CU.YD.	CU.YD.
TR 194							
STA 10+00 TO STA 11+14.72	79		25.00%	100.00%	60	99	-39
STA 11+14.72 TO STA 11+71.27		330	25.00%	70.00%	173	0	173
STA 11+71.27 TO STA 13+00	105		25.00%	100.00%	79	107	-28
TOTAL	185	330			312	206	106
USE	185	330					106

WASTE 106 CU YDS

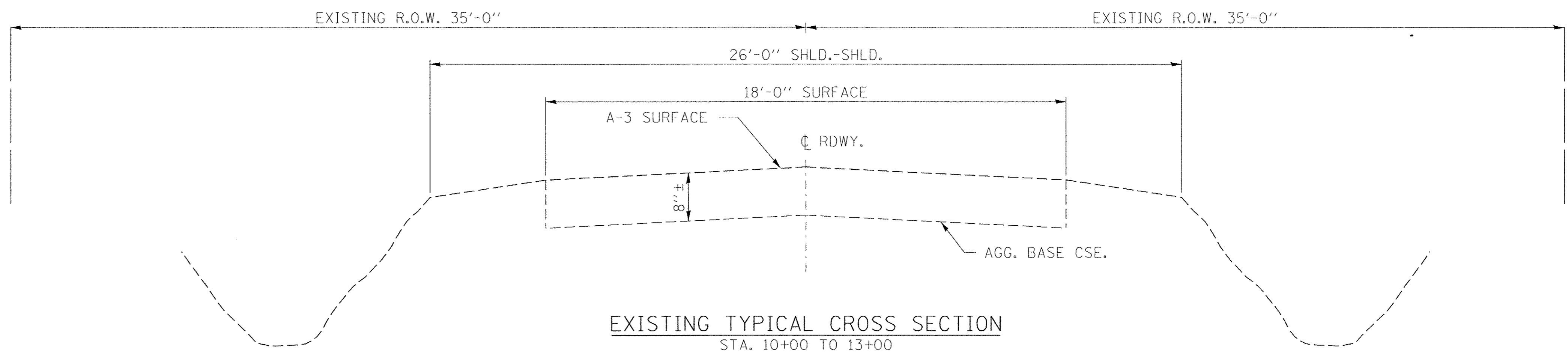


CURVE SUPERELEVATION TRANSITION DETAIL

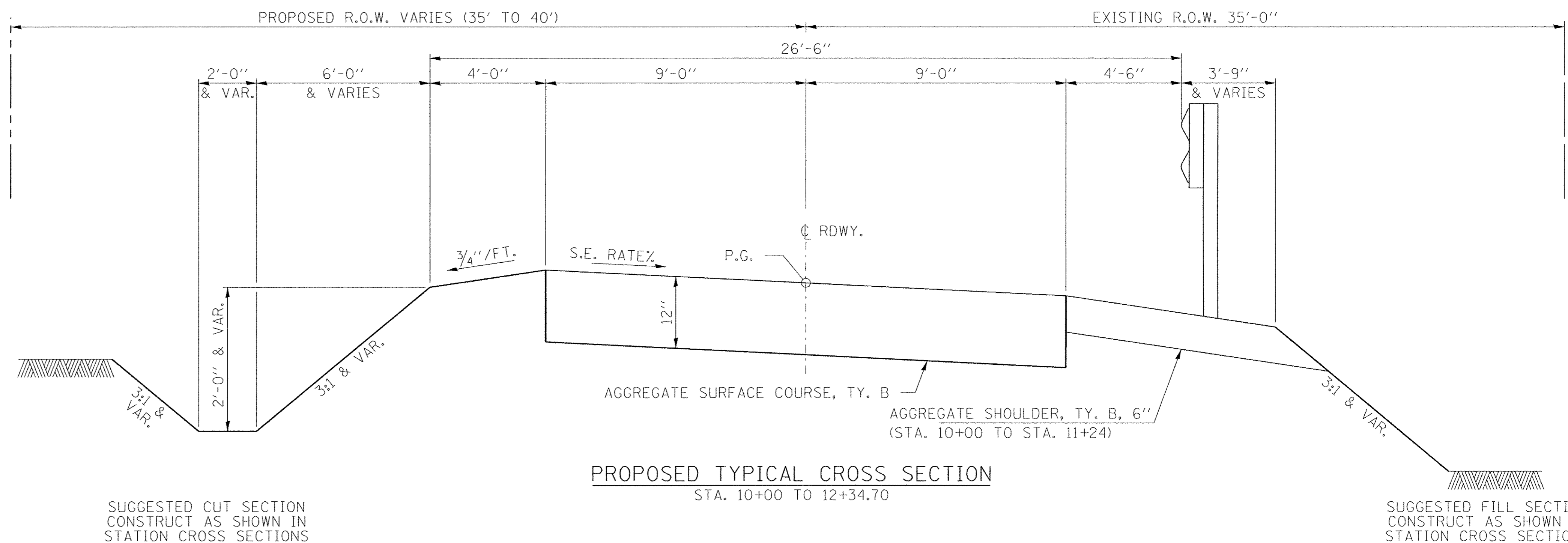
LEFT EDGE OF TRAVELED WAY	CL & AXIS OF ROTATION	RIGHT EDGE OF TRAVELED WAY
G	-2.00%	-2.00%
	MATCH EXISTING	MATCH EXISTING
	NORMAL CROWN	
F	-2.00%	-2.00%
E	0.00%	-2.00%
D	2.00%	-2.00%
	PROPOSED STRUCTURE (2% S.E.)	
C	2.00%	-2.00%
B	3.50%	-3.50%
A	3.50%	-3.50%
	MATCH EXISTING	MATCH EXISTING
	9' LANE	9' LANE

CURVE SUPERELEVATION TRANSITION			
LOCATION	STATION	CROSS SLOPE	
		LEFT	RIGHT
A	10+00.00	3.50%	-3.50%
B	10+87.50	3.50%	-3.50%
C	11+08.00	2.00%	-2.00%
PROPOSED STRUCTURE (2% S.E.)			
D	11+80.00	2.00%	-2.00%
E	12+07.40	0.00%	-2.00%
F	12+34.70	-2.00%	-2.00%
NORMAL CROWN			
G	13+00.00	-2.00%	-2.00%

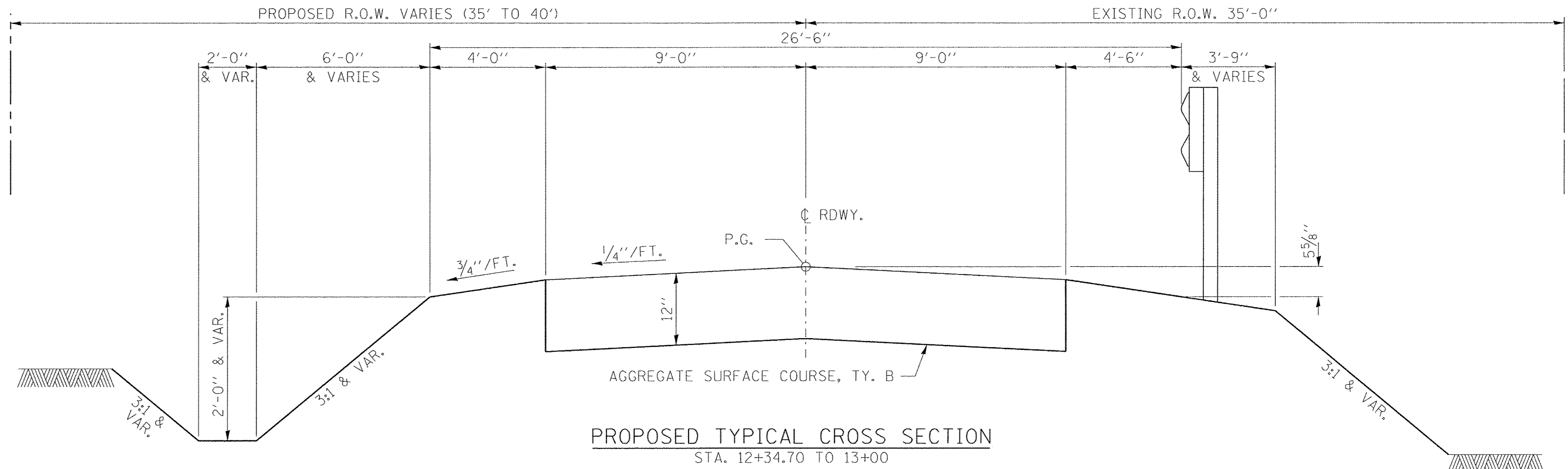
** THEORETICAL GRADE SHOWN. MATCH EXISTING CROSS SLOPES AT THESE STATIONS



EXISTING TYPICAL CROSS SECTION
STA. 10+00 TO 13+00



PROPOSED TYPICAL CROSS SECTION
STA. 10+00 TO 12+34.70



PROPOSED TYPICAL CROSS SECTION
STA. 12+34.70 TO 13+00

SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

TRANSITIONS FROM THE PROPOSED ROADWAY TO THE EXISTING ROADWAY ARE TO BE CONSTRUCTED FROM STA. 10+00 TO 10+50 AND STA. 12+50 TO 13+00.

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

FILE NAME = 150147-sht-typsections.dgn	USER NAME = #USER#	DESIGNED - L.A.P.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = #SCALE#	DRAWN - R.D.H.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E./S.E. CORP. 186.000959	PLOT DATE = 4/6/2017	CHECKED - S.W.M.	REVISED -
		DATE - 04/06/17	REVISED -

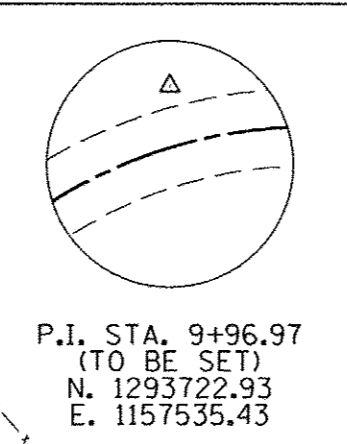
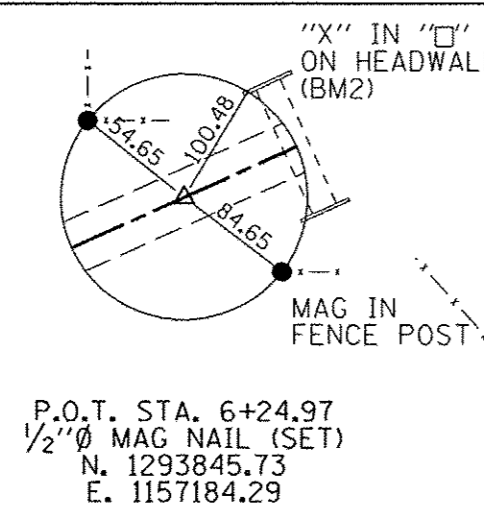
STATE OF ILLINOIS
VERMILION COUNTY HIGHWAY DEPARTMENT

TYPICAL CROSS SECTIONS

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

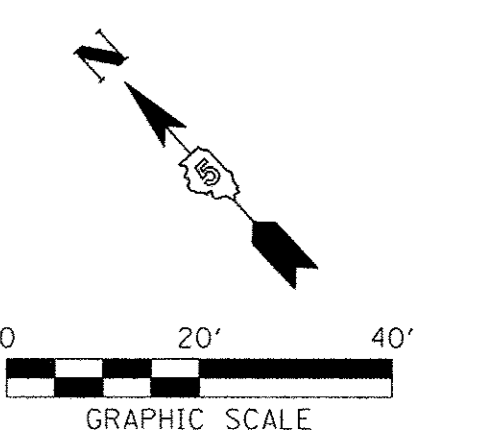
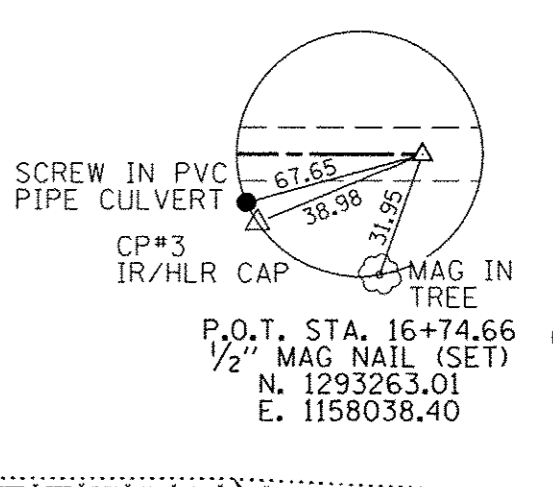
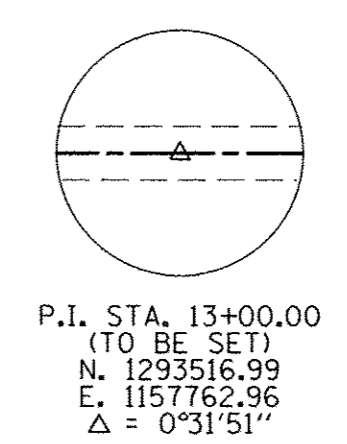
TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	3
BLOUNT ROAD DISTRICT		CONTRACT NO. 91548		
ILLINOIS FED. AID PROJECT BR05-018313261				

CURVE DATA
 PI STA. = 9+96.97
 $\Delta = 22^\circ 52' 22''$ (RT)
 $D = 8^\circ 00' 00''$
 $R = 716.20'$
 $L = 144.89'$
 $T = 285.91'$
 $e = 14.51'$
 $\theta = 3.5\%$
 $T.R. = 27.4'$
 $S.E. RUN = 54.7'$
 $P.C. STA. = 8+52.08$
 $P.T. STA. = 11+37.99$
 $S.E. TRANSITION$
 STA. 10+87.5 TO STA. 11+08
 STA. 11+80 TO STA. 12+34.70

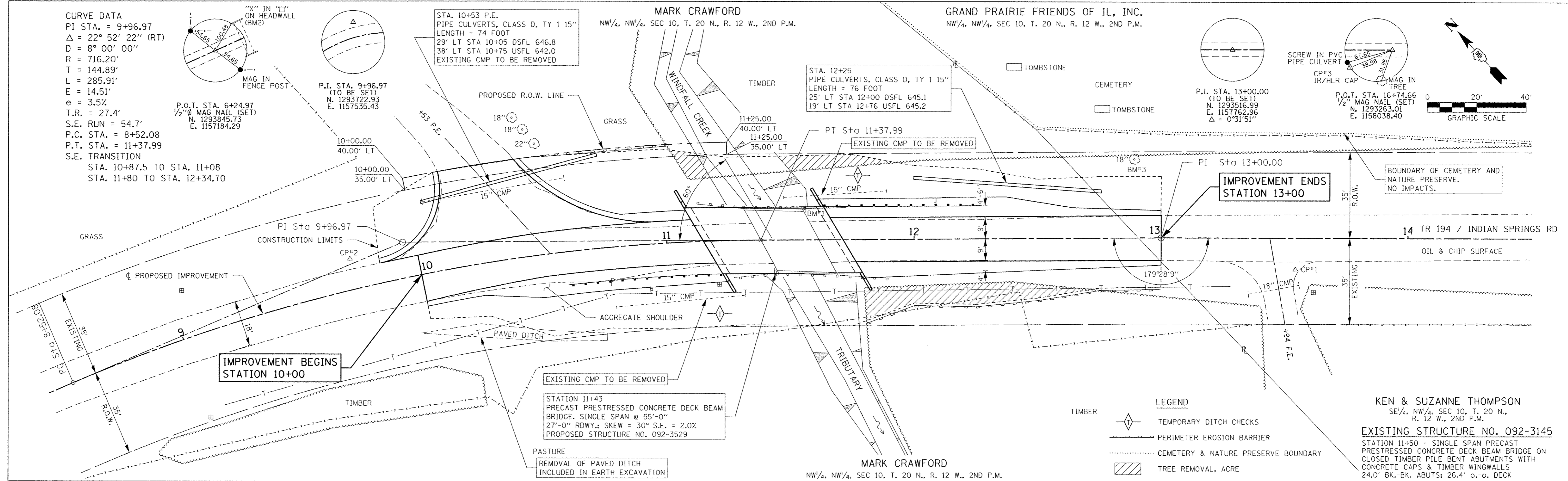


STA. 10+53 P.E.
 PIPE CULVERTS, CLASS D, TY 1 15"
 LENGTH = 74 FOOT
 29' LT STA 10+05 DSFL 646.8
 38' LT STA 10+75 USFL 642.0
 EXISTING CMP TO BE REMOVED

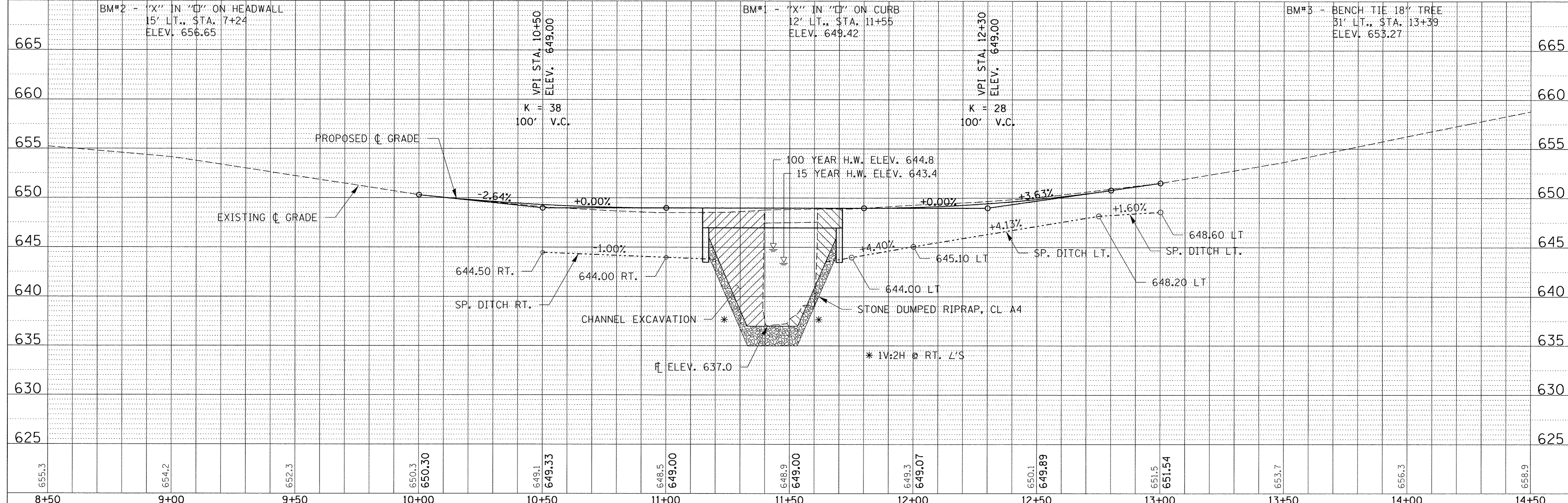
STA. 12+25
 PIPE CULVERTS, CLASS D, TY 1 15"
 LENGTH = 76 FOOT
 25' LT STA 12+00 DSFL 645.1
 19' LT STA 12+76 USFL 645.2



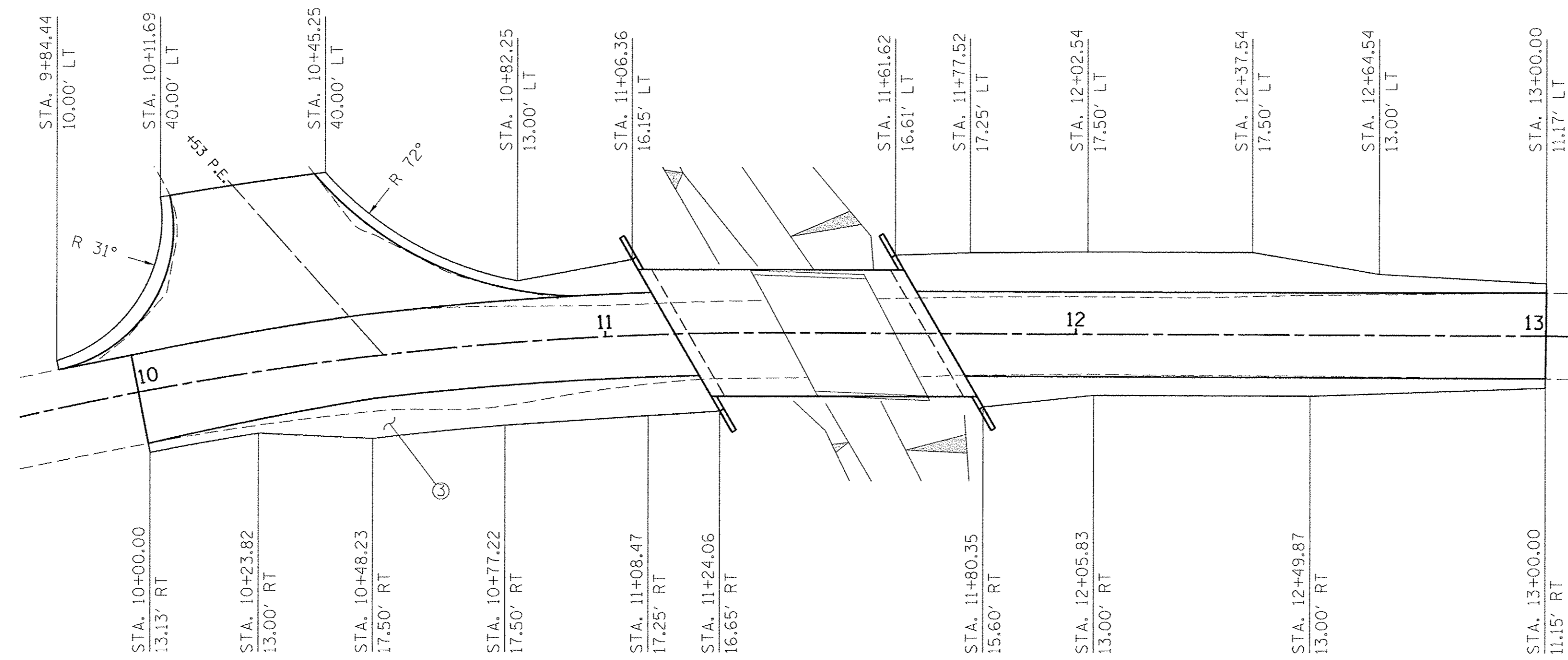
PLAN	BY	DATE
SURVEYED		
NOTED		
NOTE BOOK		
ALIGNMENT CHECKED		
BY		
DATE		
NO.		



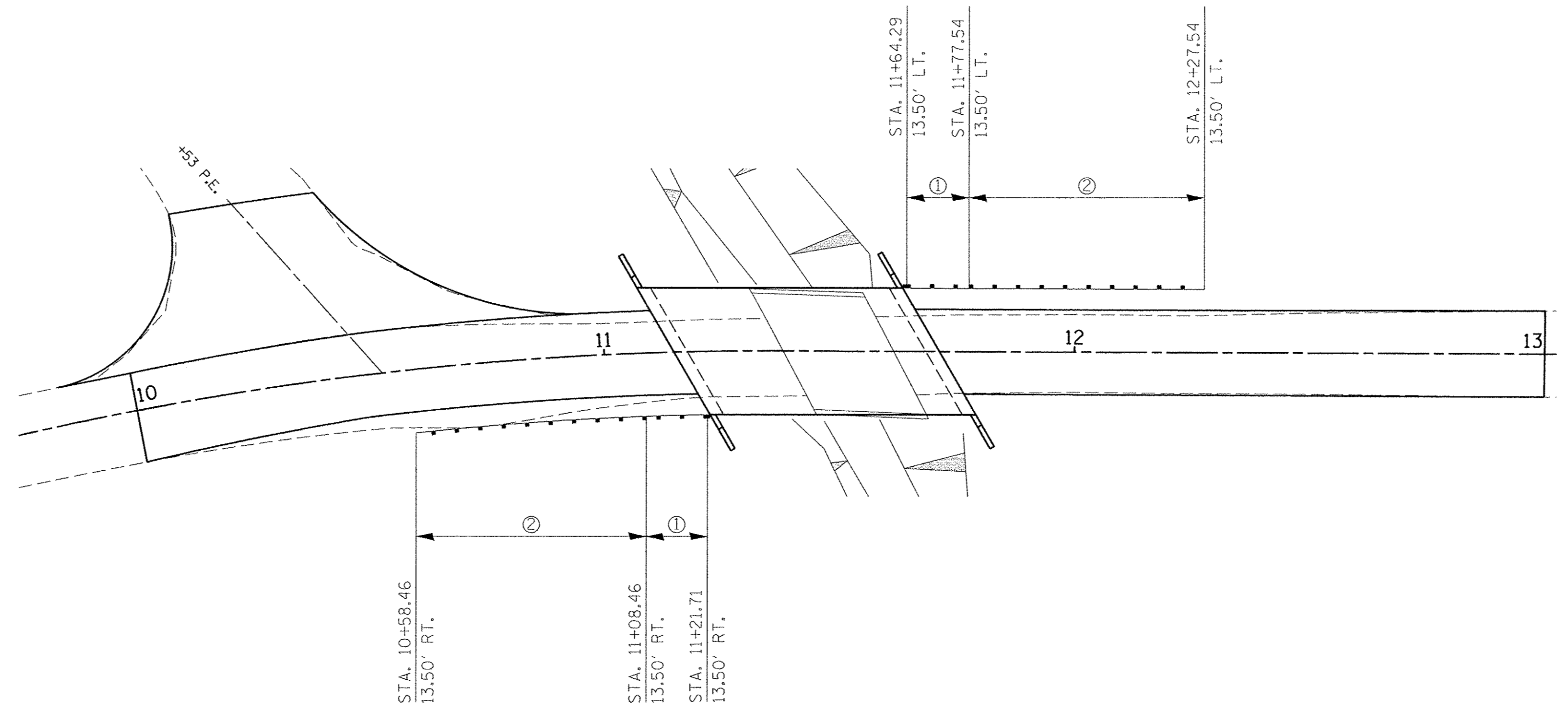
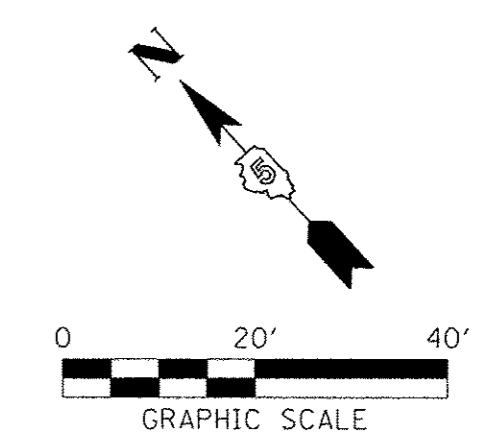
PROFILE	BY	DATE
GRADES CHECKED		
NOTED		
NOTE BOOK		
BY		
DATE		
NO.		



FILE NAME = 150147-sh1-p8p.dgn	USER NAME = #USER#	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE	TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZI AND RENWICK, INC.	PLOT SCALE = #SCALE#	DRAWN - L.G.C.	REVISED -			194	13-01132-00-BR	VERMILION	30	4
3085 STEVENSON DRIVE, SUITE 201	PLOT DATE = 4/7/2017	CHECKED - S.W.M.	REVISED -			BLOUNT ROAD DISTRICT				
SPRINGFIELD, ILLINOIS 62703	DATE = 04/06/17	REVISIONS				CONTRACT NO. 91548				



SHOULDER LAYOUT



GUARDRAIL LAYOUT

- ① TBT TY 5A
- ② TBT TY 1, SPECIAL TANGENT
- ③ AGGREGATE SHOULDER

FILE NAME = 150147-sht-guardrail.dgn	USER NAME = #USER#
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L3 / P.E. / SE. CORP. 194.000959	PLOT SCALE = #SCALE#
PLOT DATE = 4/6/2017	

DESIGNED - L.A.P.	REVISED -
DRAWN - R.D.H.	REVISED -
CHECKED - S.W.M.	REVISED -
DATE - 04/06/17	REVISED -

**STATE OF ILLINOIS
VERMILION COUNTY HIGHWAY DEPARTMENT**

GUARDRAIL & SHOULDER LAYOUT T.R. 194 / INDIAN SPRINGS ROAD	
SCALE:	TO STA.
SHEET NO. 1 OF 1 SHEETS	

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	5
BLOUNT ROAD DISTRICT			CONTRACT NO. 91548	
ILLINOIS FED. AID PROJECT BROS-018313261				

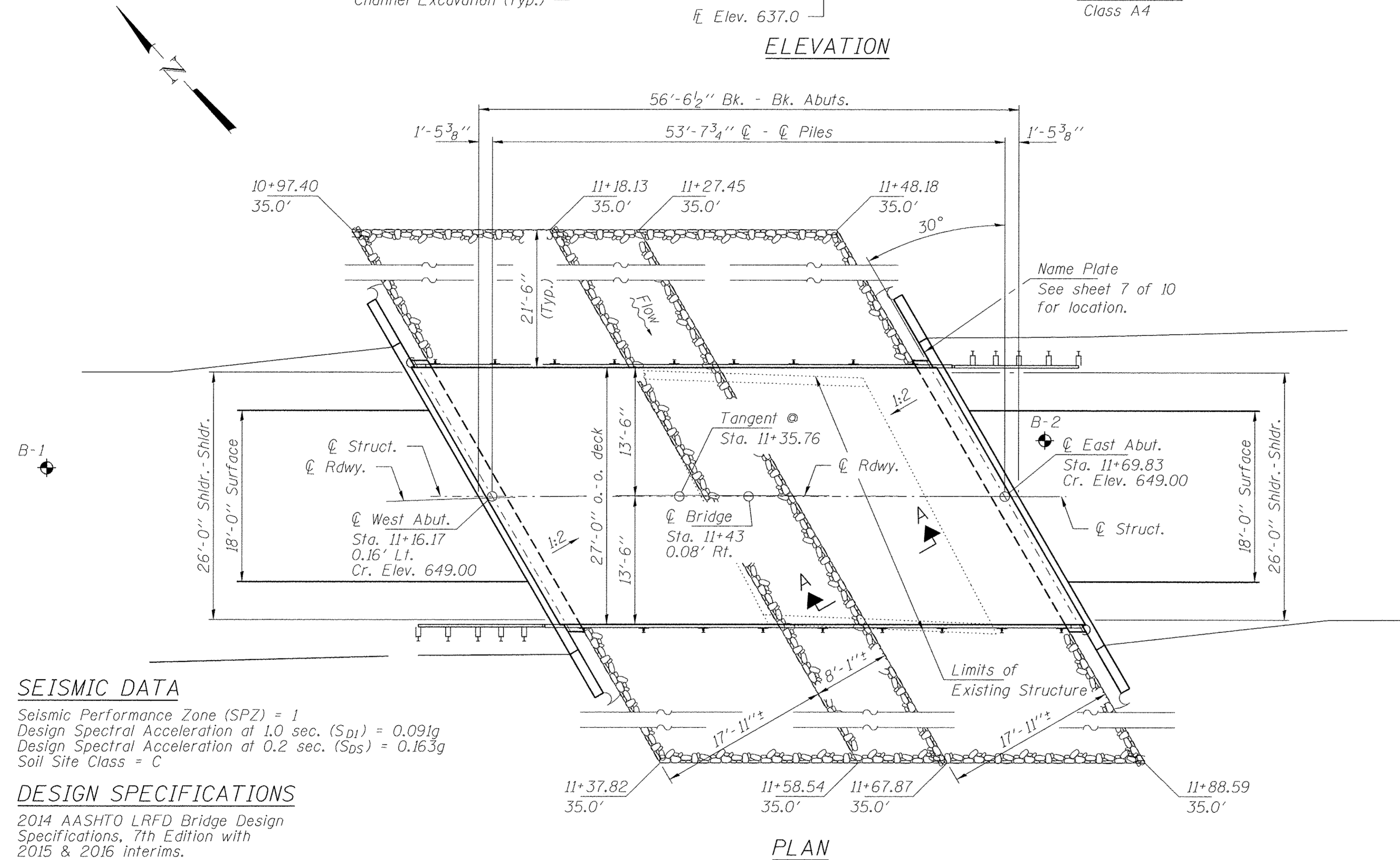
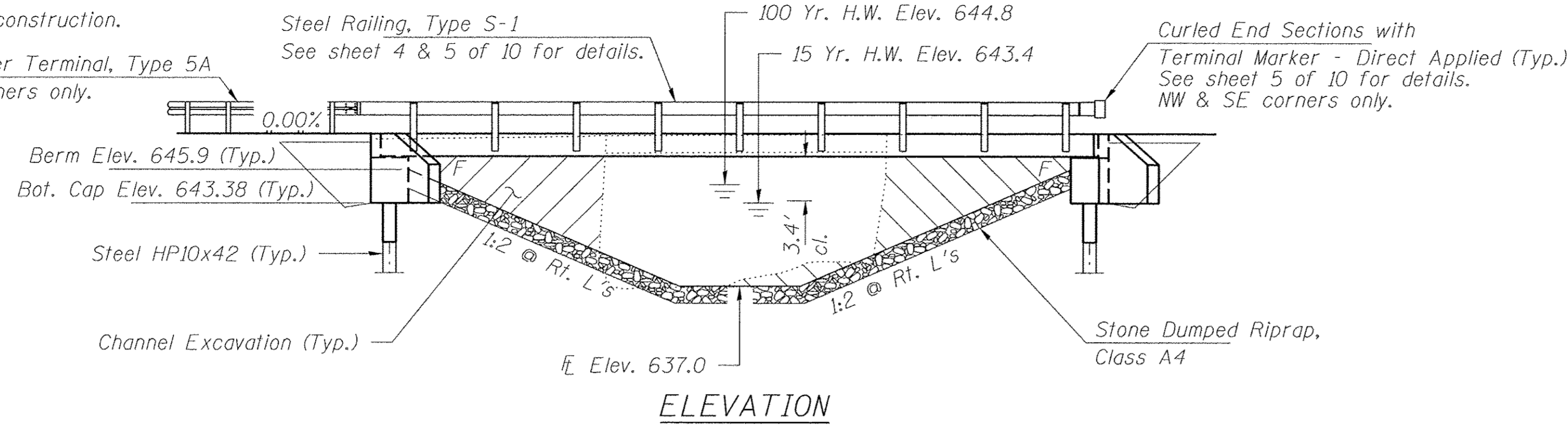
BENCHMARK: "X" in "□" on curb, 12.0' Lt. Sta. 11+55, Elev. 649.42

EXISTING STRUCTURE NO. 092-3145: Sta. 11+50, Single span precast prestressed concrete deck beam bridge on closed timber pile bent abutments with concrete caps and timber wingwalls. 24.0' bk.-bk. abuts.; 26.40' o.-o. deck.

Structure closed to traffic during construction.

No Salvage.

Traffic Barrier Terminal, Type 5A
NE & SW corners only.



SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.091g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.163g
Soil Site Class = C

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 & 2016 Interims.

LOADING HL - 93

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

DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi
f_y = 60,000 psi (Reinf.)

PRECAST PRESTRESSED UNITS

f'_c = 6,000 psi
f'_{ci} = 5,000 psi
f_{pu} = 270,000 psi (1/2" φ low lax. strands)
f_{pbt} = 201,960 psi (1/2" φ low lax. strands)
f_y = 60,000 psi (Reinf.)

WATERWAY INFORMATION

Flood		Q		Opening Sq. Ft.		Natural Head - Ft.		Headwater El.	
Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.	
10	450	90	120	643.01	0.00	0.17	643.01	643.18	
Design	15	520	100	130	643.36	0.02	0.18	643.38	643.54
Base	100	860	130	180	644.75	0.29	0.18	645.04	644.93
Max. Calc.	200	990	130	200	645.15	0.43	0.20	645.58	645.35

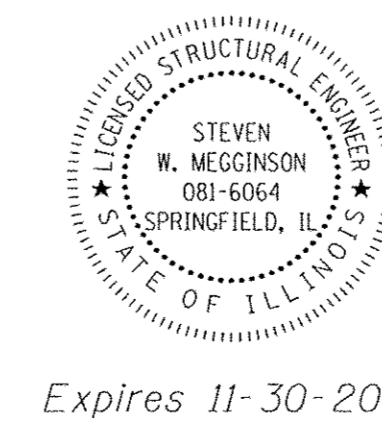
Existing Low Grade Elev. 648.5 @ Sta. 11+00
Proposed Low Grade Elev. 649.0 @ Sta. 11+00

Drainage Area = 1.8 Sq. Mi.

10 Year Velocity Through Existing Bridge = 5.0 fps
10 Year Velocity Through Proposed Bridge = 3.8 fps

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 LRFD Specifications."

Steven W. Meggison 04/06/2017
ILLINOIS STRUCTURAL ENGINEER NO. 081-6064



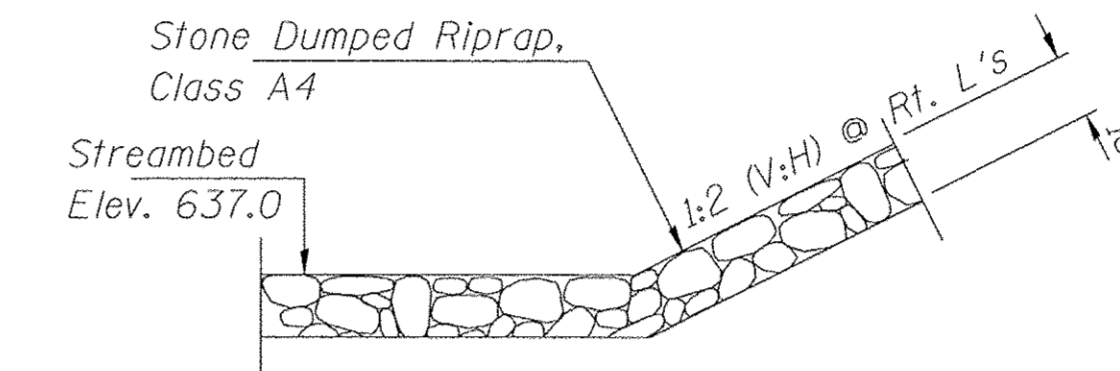
Expires 11-30-2018

GENERAL NOTES

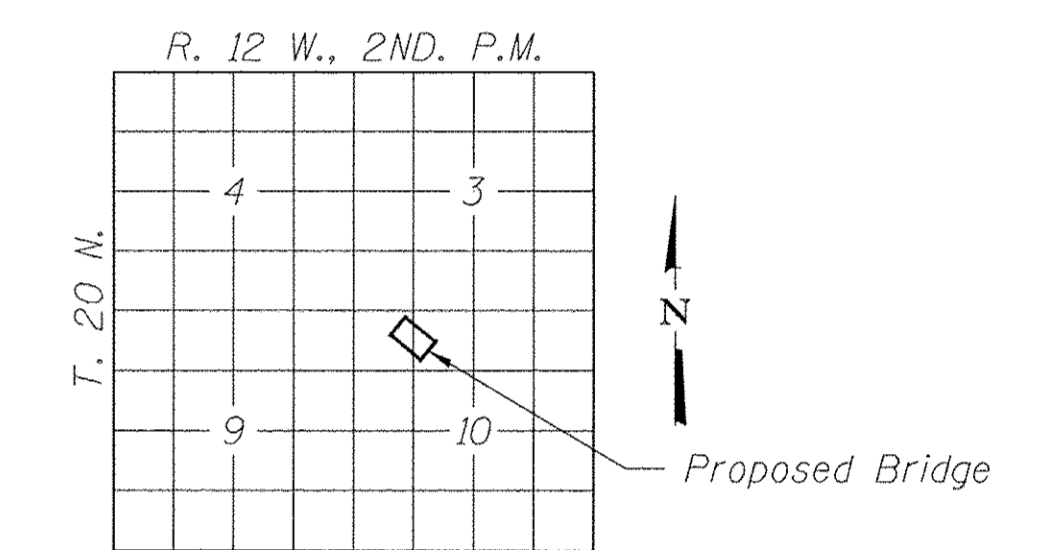
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at the West Abutment or approved by the Engineer before ordering the remainder of piles.
Reinforcement bars designated (E) shall be epoxy coated.
All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act.
The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.
Concrete sealer shall be applied to the designated areas of the abutments.

INDEX OF STRUCTURE SHEETS

1. General Plan & Elevation
2. 21"x36" PPC Deck Beam
3. 21"x36" PPC Deck Beam Details
4. Superstructure Details
5. Steel Railing, Type S-1
6. West Abutment
7. East Abutment
8. HP Pile Details
- 9-10. Borings



Note: See Special Provisions for Stone Dumped Riprap, Class A4.



LOCATION SKETCH

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.)		Item
	W. Abut.	E. Abut.	
Q100	643.3	643.3	113
Q200	643.3	643.3	8
Design	643.3	643.3	
Check	643.3	643.3	

BUILT 201_ BY
VERMILION COUNTY
SEC. 13-01132-00-BR
BLOUNT ROAD DISTRICT
STR. NO. 092-3529
LOADING HL-93

NAME PLATE

See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			330
Stone Dumped Riprap, Class A4	Ton			350
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.			60
Concrete Structures	Cu. Yd.		31.6	31.6
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	1,485		1,485
Reinforcement Bars, Epoxy Coated	Pound		3,540	3,540
Steel Railing, Type S-1	Foot	111		111
Furnishing Steel Piles HP10x42	Foot		400	400
Driving Piles	Foot		400	400
Test Pile Steel HP10x42	Each		2	2
Pile Shoes	Each		10	10
Name Plates	Each		1	1
Concrete Sealer	Sq. Ft.		120	120
Controlled Low-Strength Material	Cu. Yd.		66	66
Concrete Cut-Off Wall	Cu. Yd.		6.0	6.0

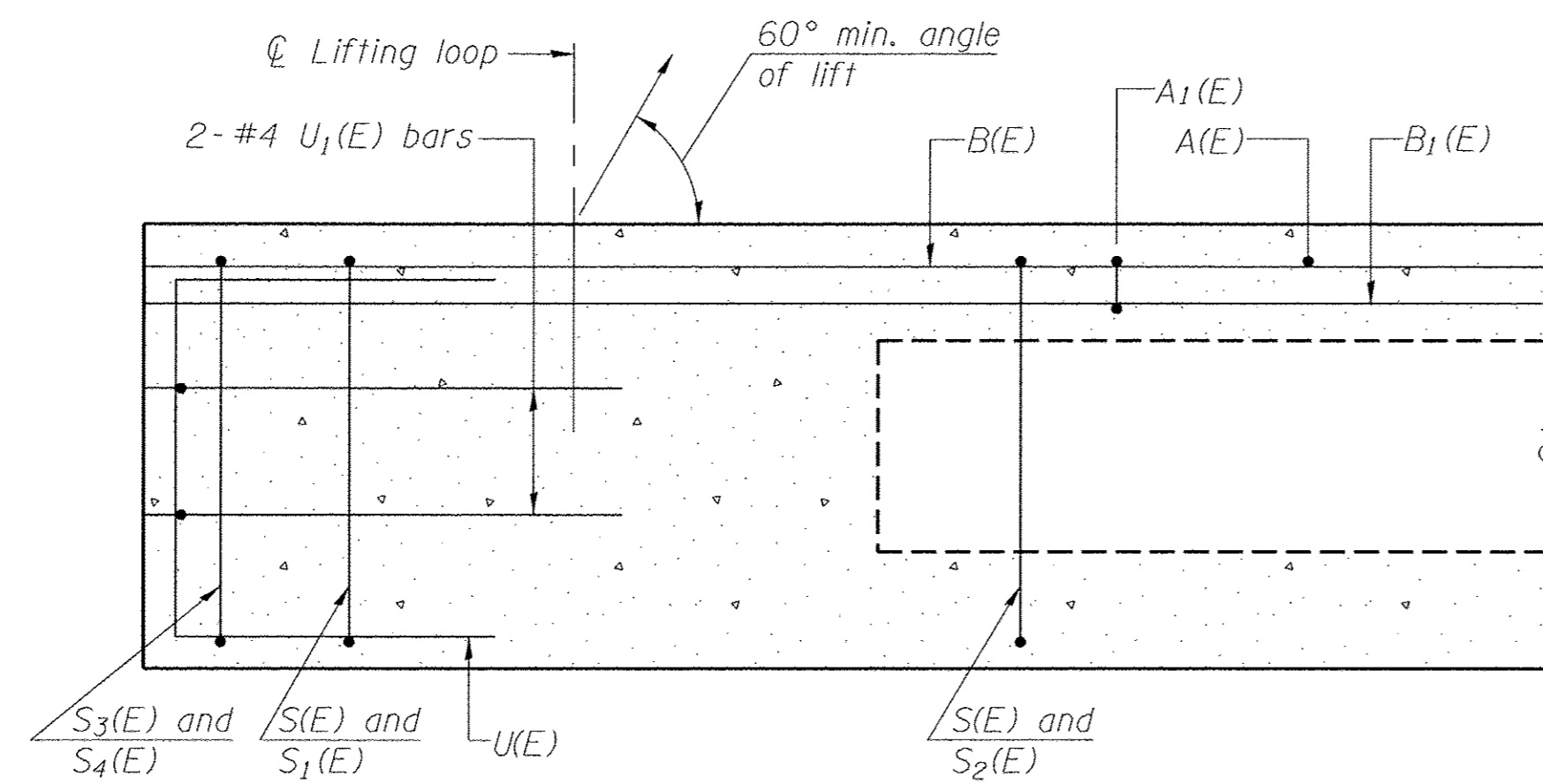
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HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS/PFE/SE CORP. 184-00999	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 4/7/2017	DRAWN - R.D.H.	REVISED -
		CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
VERMILION COUNTY HIGHWAY DEPARTMENT

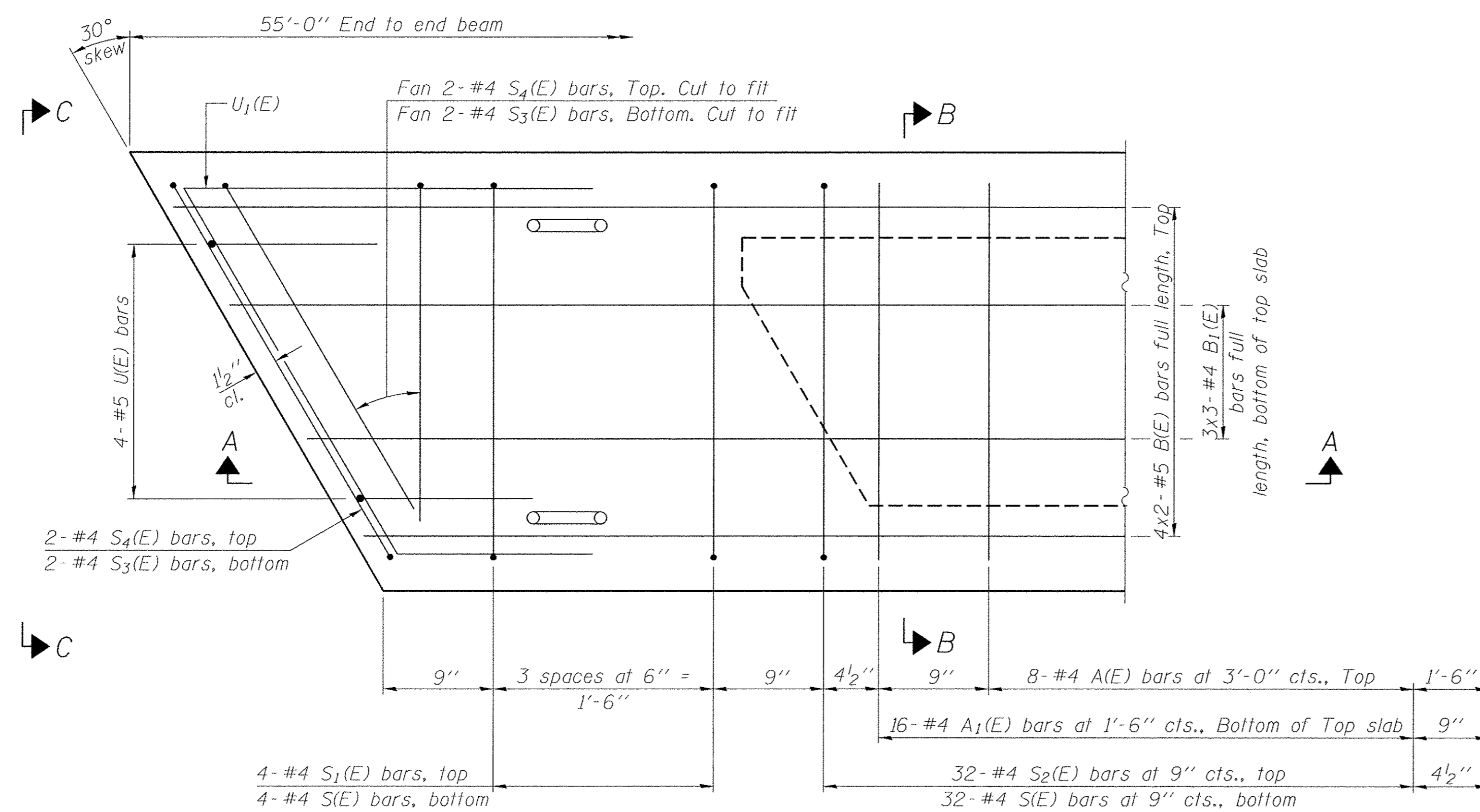
GENERAL PLAN & ELEVATION
STRUCTURE NO. 092-3529

SHEET NO. 1 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	6
BLOUNT ROAD DISTRICT		CONTRACT NO. 91548		
[ILLINOIS] FED. AID PROJECT BROS-0183(326)				

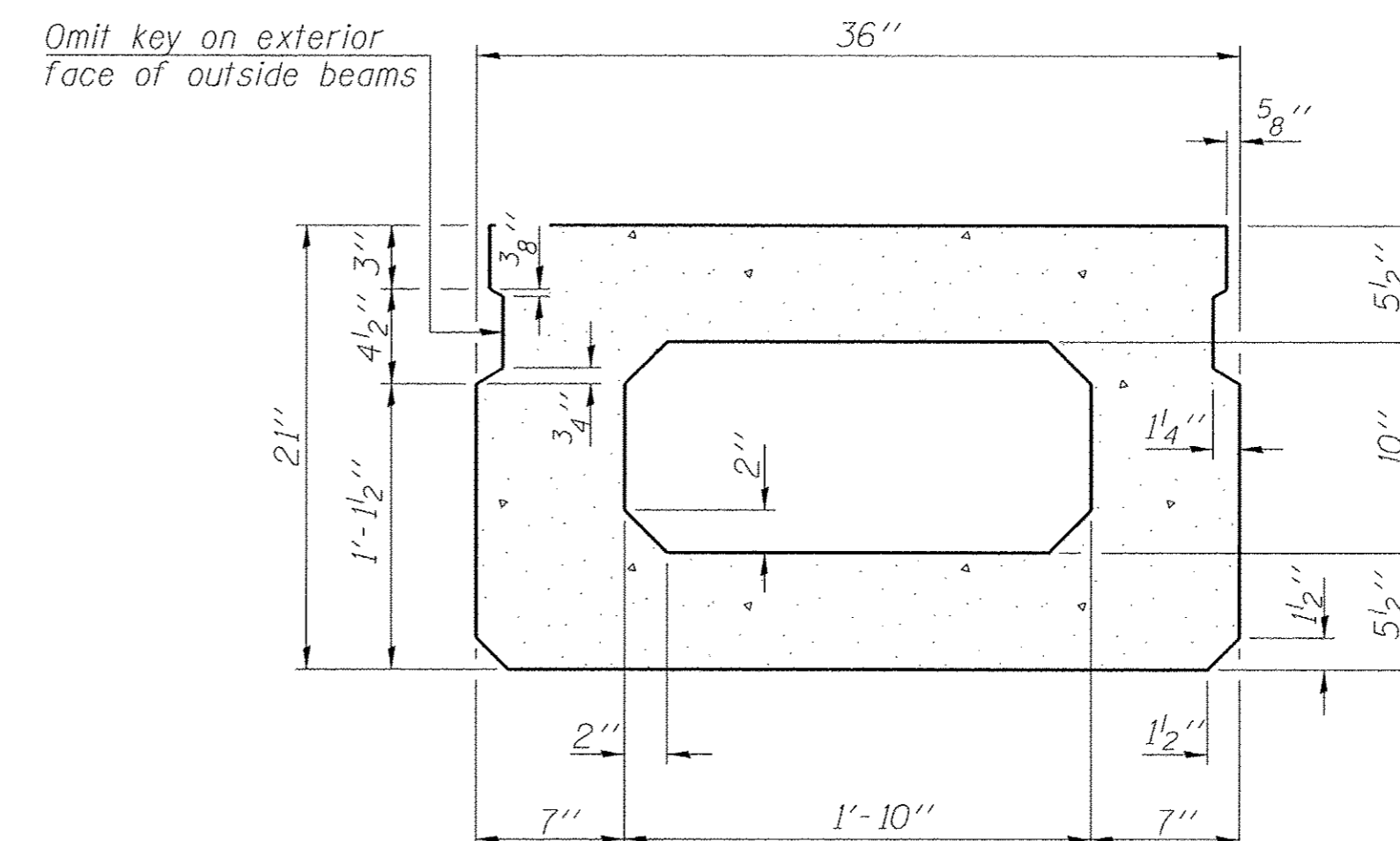


SECTION A-A

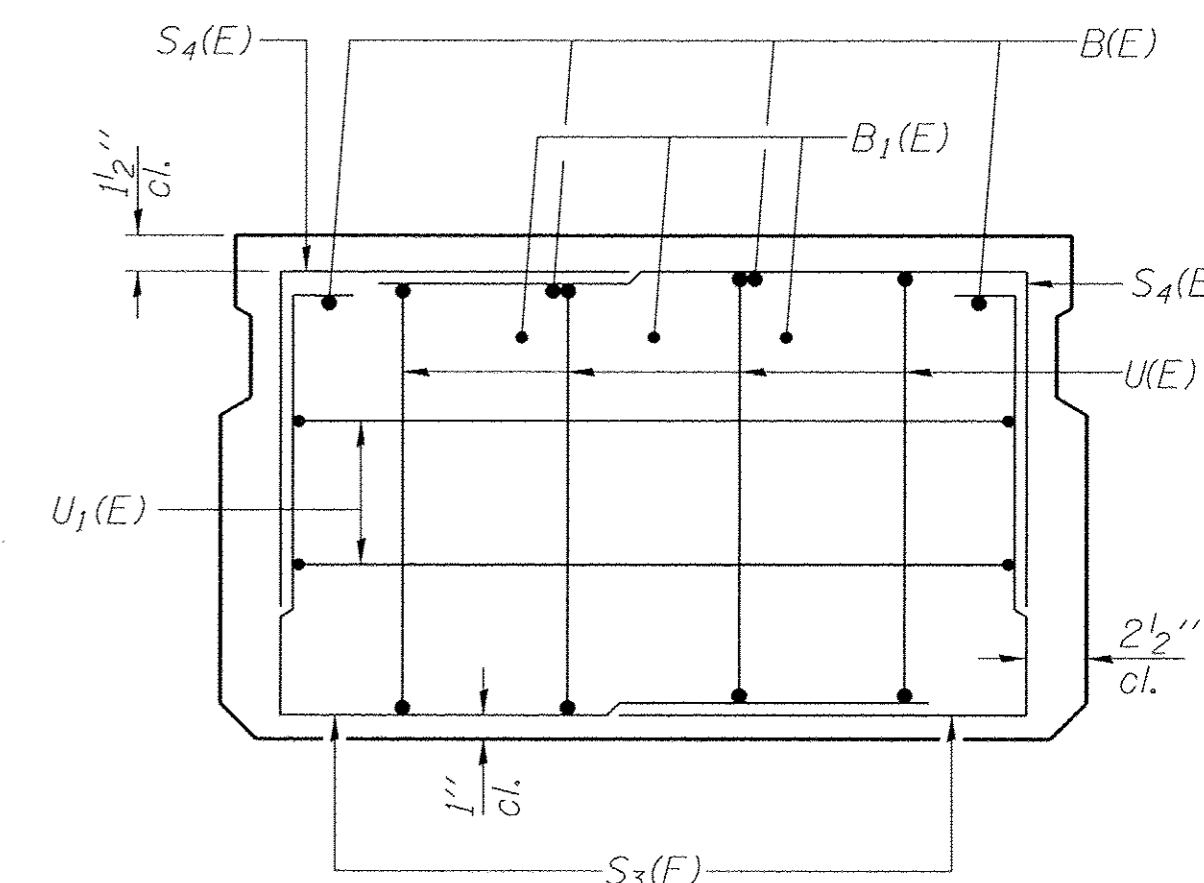


PLAN VIEW

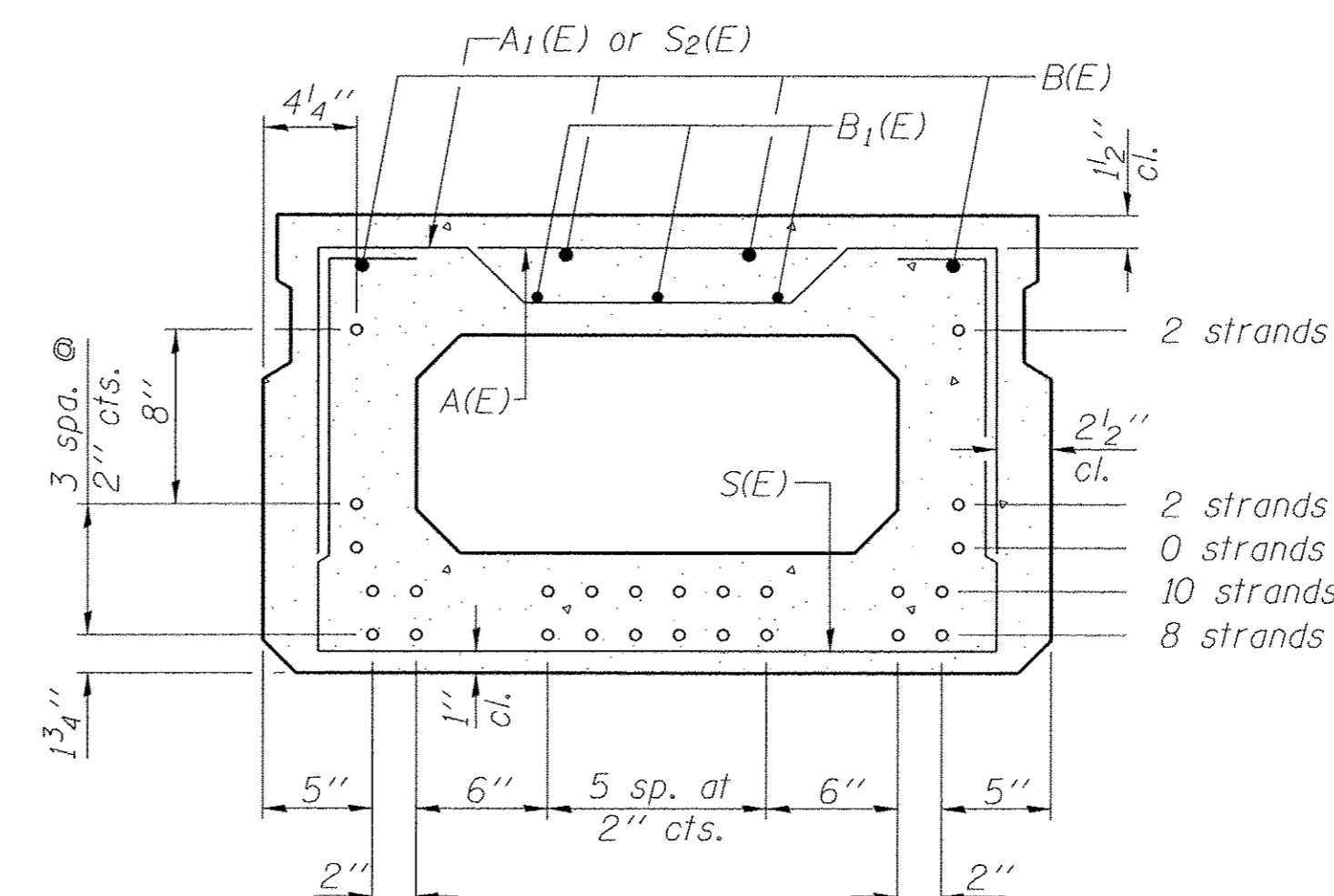
Notes:
 Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.
 Bars indicated thus 4x2-#5 etc. indicates 4 lines of bars with 2 lengths per line.



SECTION B-B
(Showing dimensions)



VIEW C-C



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)	16	#4	2'-7"	—
A1(E)	32	#4	2'-10"	—
B(E)	8	#5	28'-8"	—
B1(E)	9	#4	19'-7"	—
S(E)	72	#4	6'-5"	□
S1(E)	8	#4	4'-11"	□
S2(E)	64	#4	5'-2"	□
S3(E)	8	#4	4'-5"	□
S4(E)	8	#4	3'-8"	□
U(E)	8	#5	4'-0"	□
U1(E)	4	#4	6'-10"	□

Note: See sheets 3 & 4 of 10 for additional details and Bill of Material.

MINIMUM BAR LAP

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

PD-2136-R

06-01-16

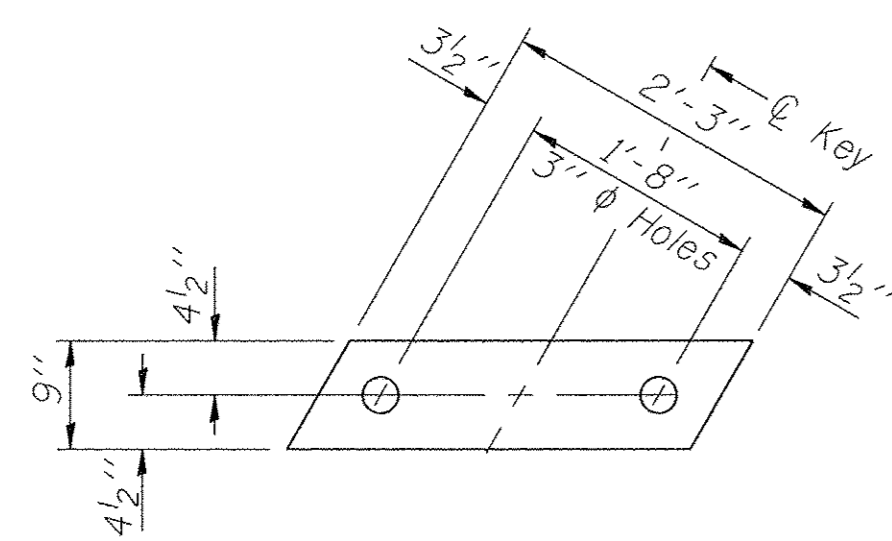
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HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
HLR ILLINOIS PROFESSIONAL DESIGN FIRM L3 / P/E / S/E CORP. 184-000959	PLOT DATE = 4/6/2017	DRAWN - R.D.H.	REVISED -
		CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

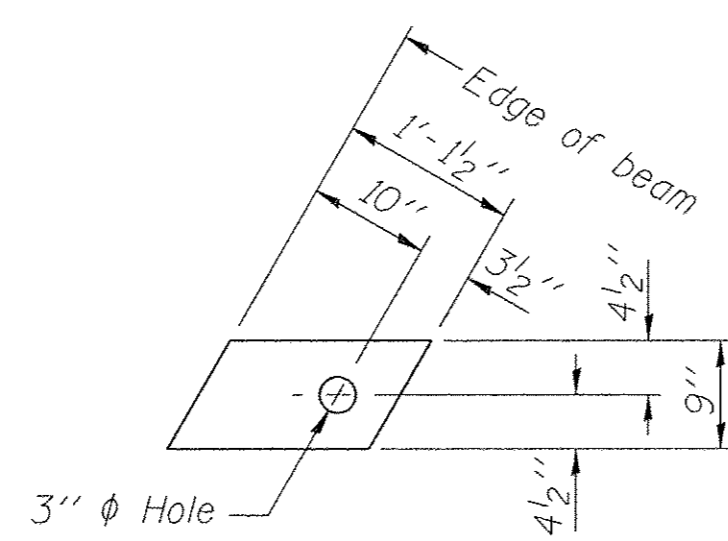
21" x 36" PPC DECK BEAM
 STRUCTURE NO. 092-3529

SHEET NO. 2 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	7
BLOUNT ROAD DISTRICT			CONTRACT NO. 91548	
[ILLINOIS] FED. AID PROJECT BR05-0183(326)				



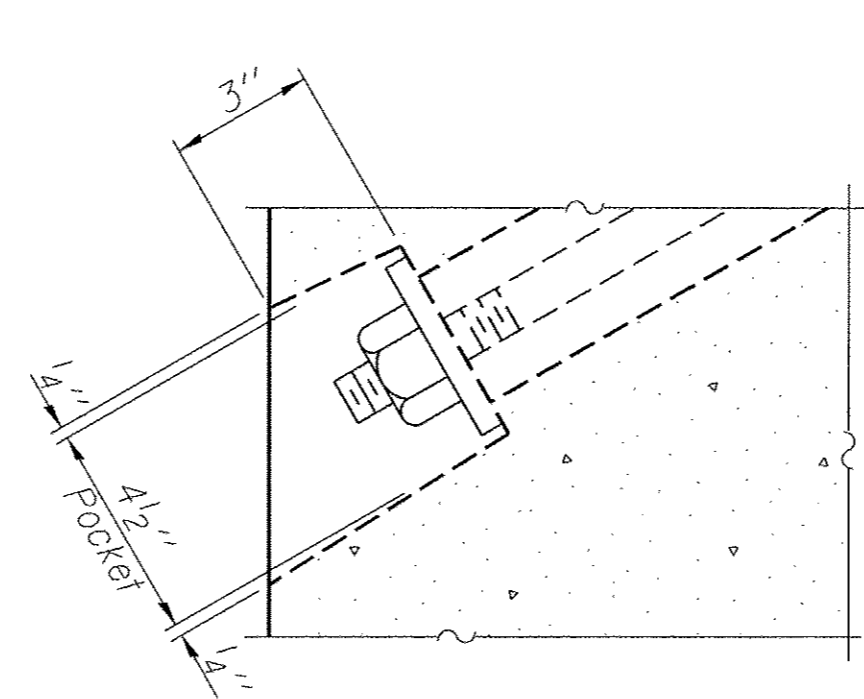
FABRIC BEARING PAD
(Interior - 16 Req'd.)



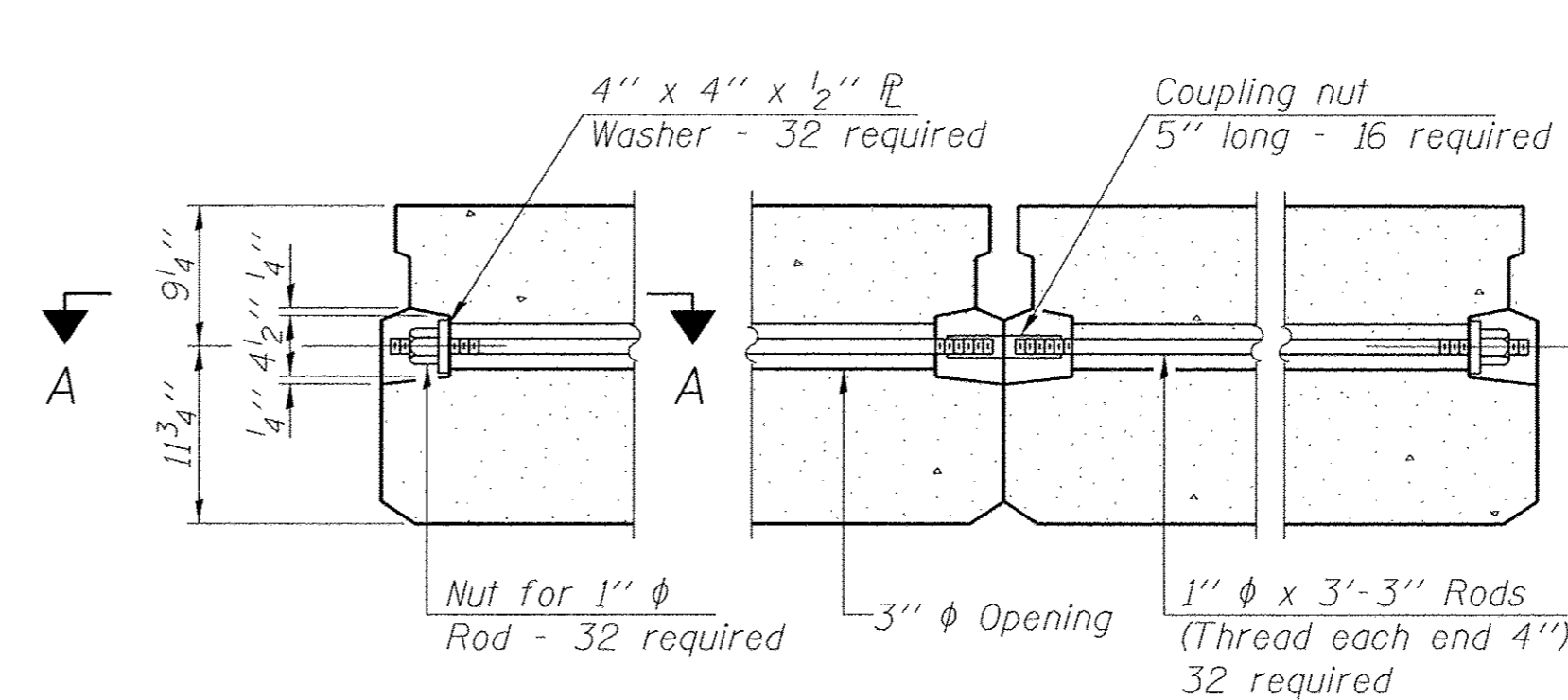
FABRIC BEARING PAD
(Exterior - 4 Req'd.)

FIXED

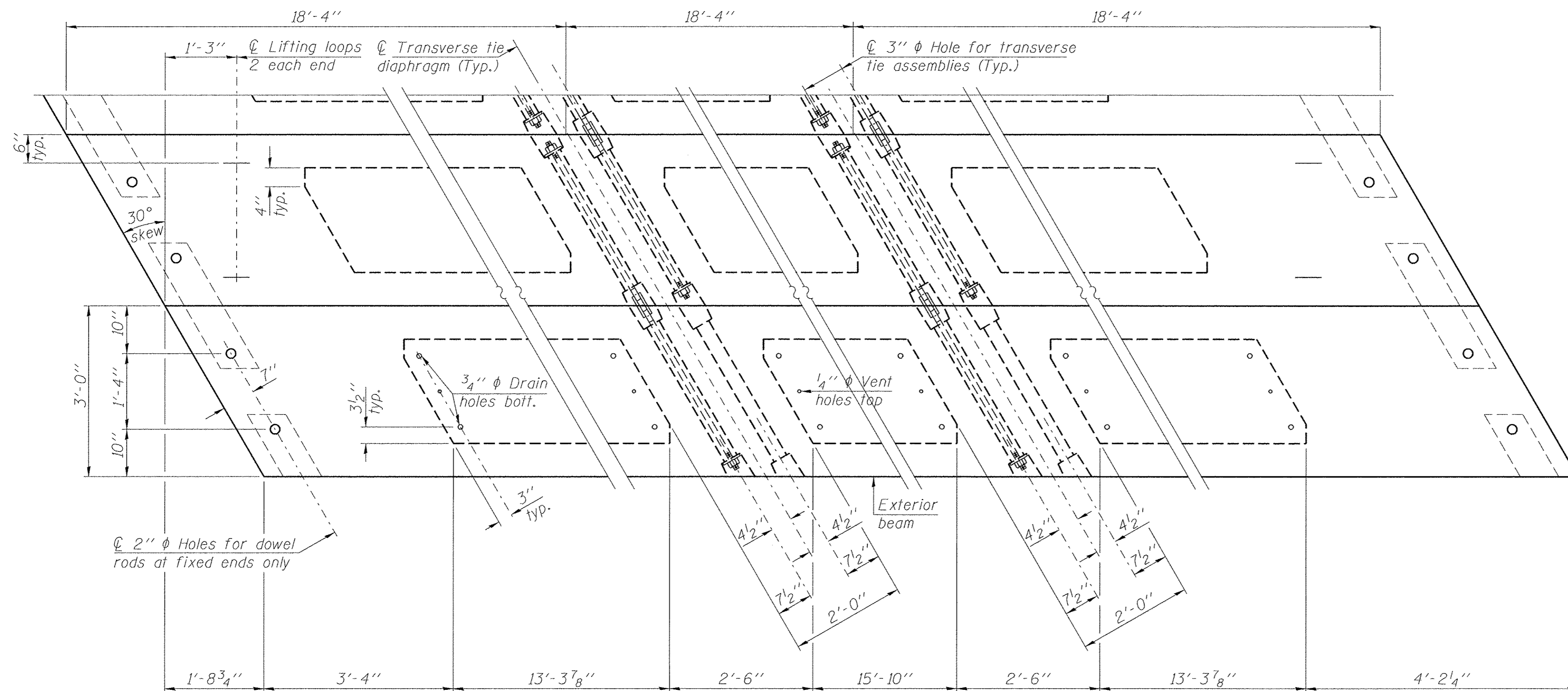
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY

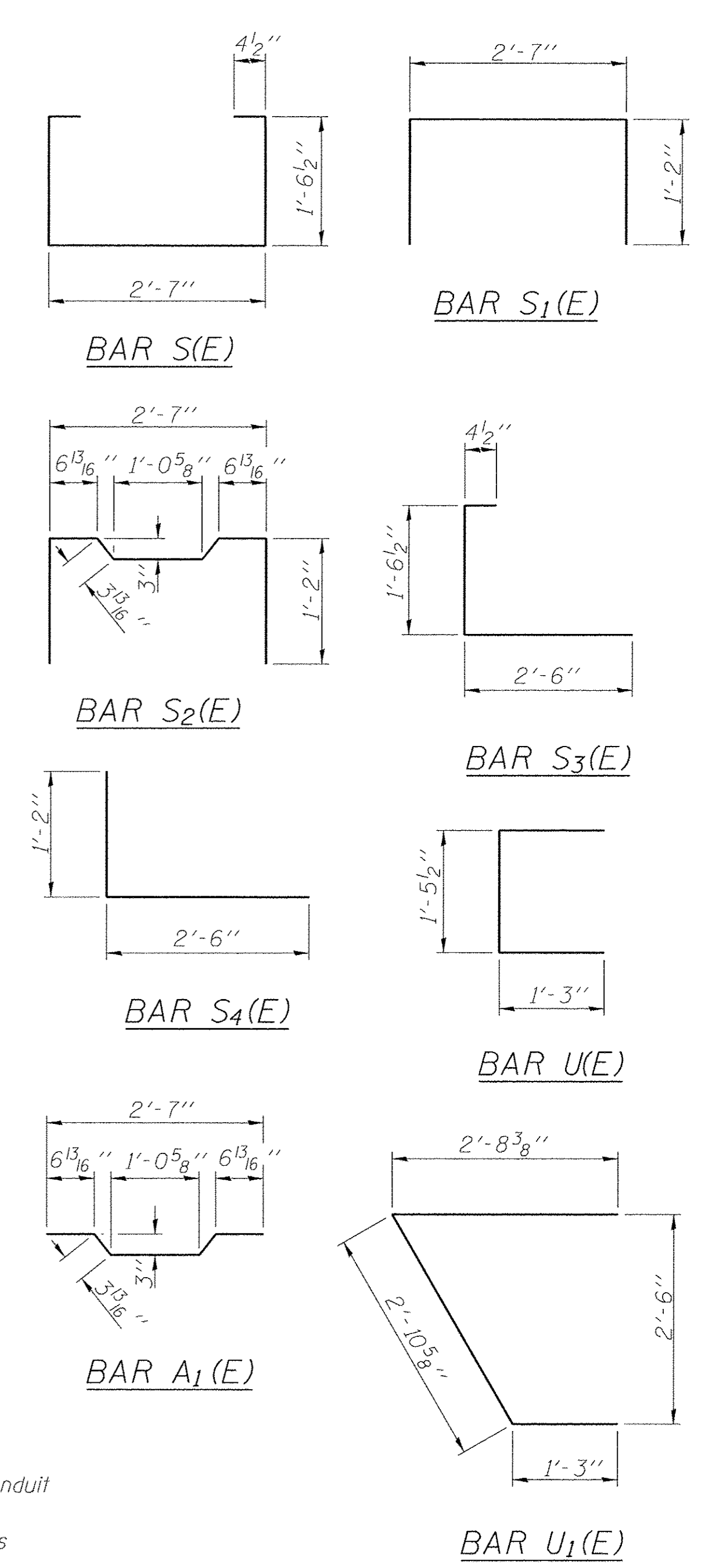


PLAN VIEW

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

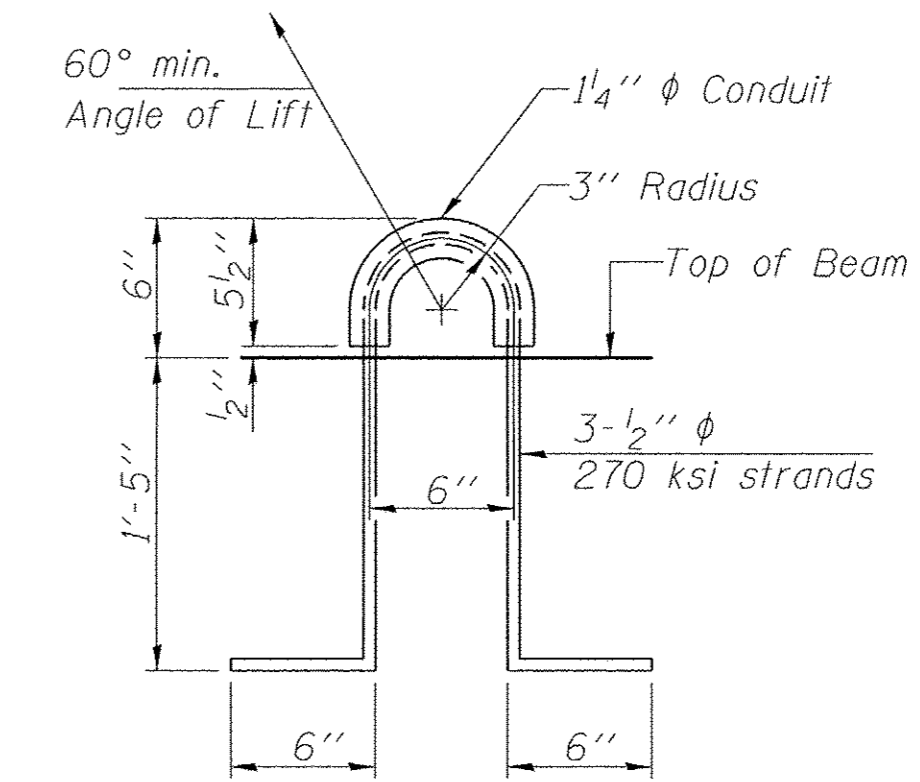
NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2 inch and the nominal cross-sectional area shall be 0.153 sq. in. The 1 inch diameter 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 1/8 inch fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2 inch diameter 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. All reinforcement bars designated (E) shall be epoxy coated.



BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1,485
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LIFTING LOOP DETAIL

PD-2136-RD 1-28-16

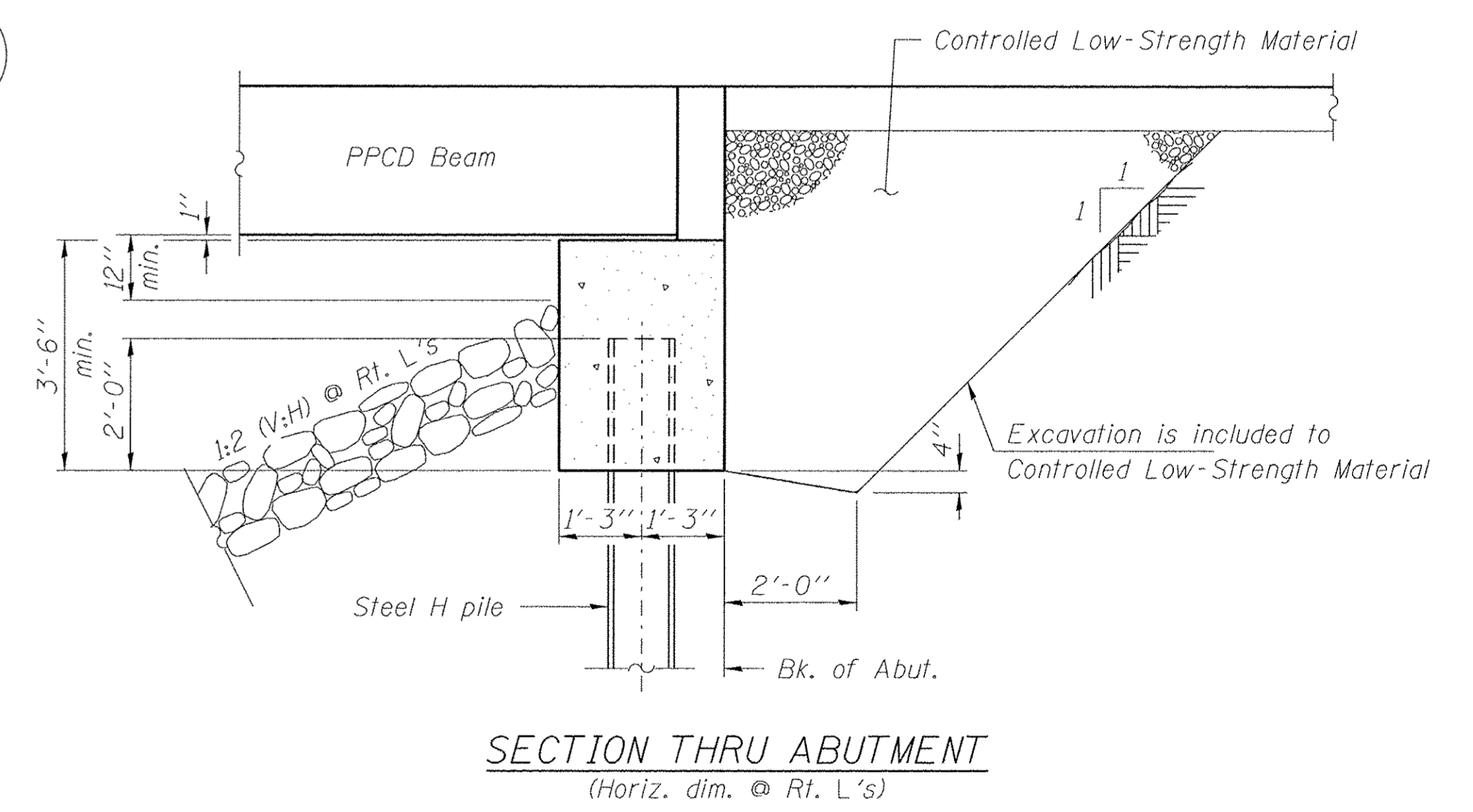
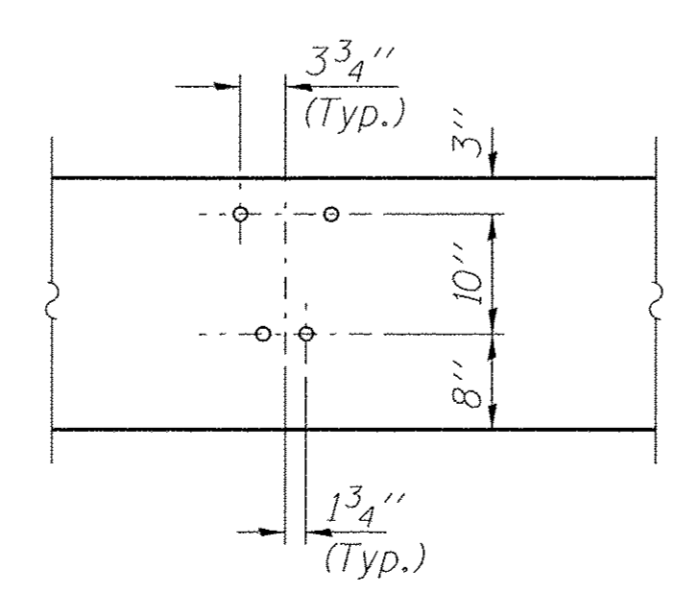
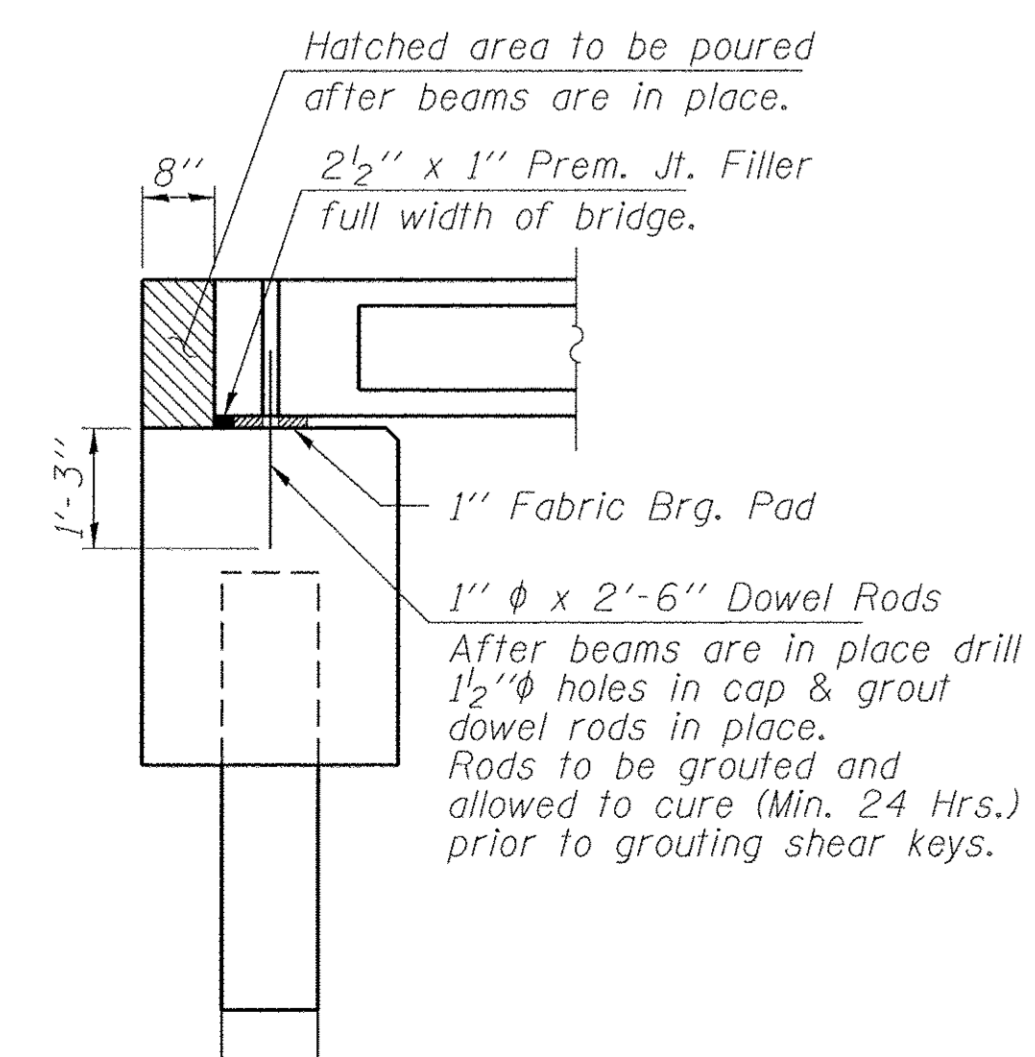
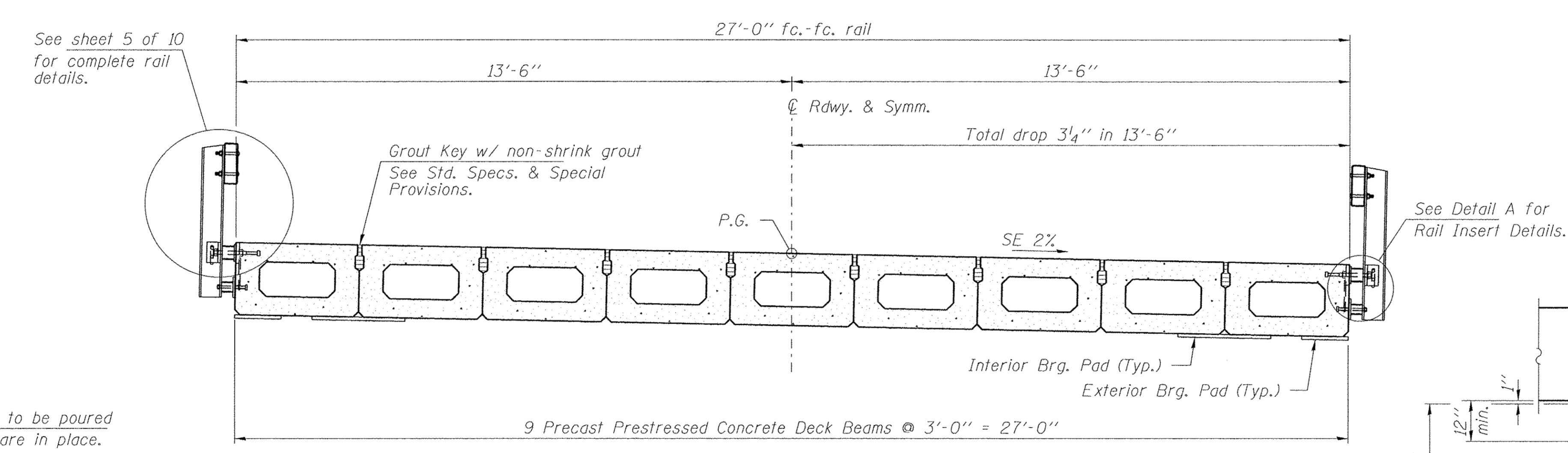
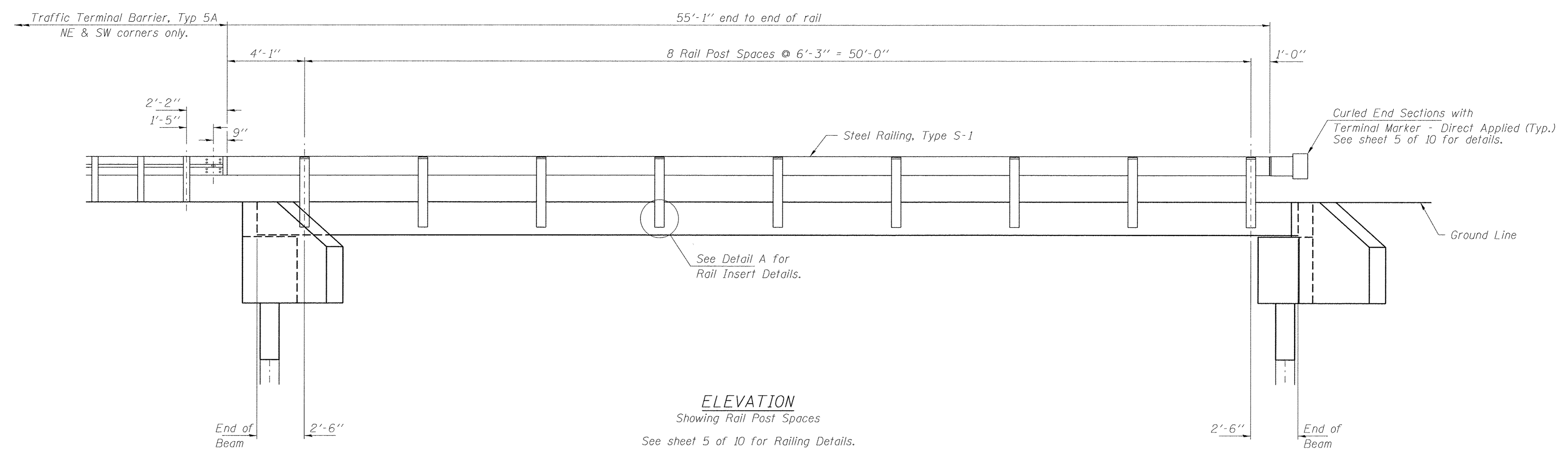
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HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
HLR ILLINOIS PROFESSIONAL DESIGN FIRM L3 / P.E. / S.E. CORP. 194.000959	PLOT DATE = 4/6/2017	DRAWN - R.D.H.	REVISED -
		CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
VERMILION COUNTY HIGHWAY DEPARTMENT

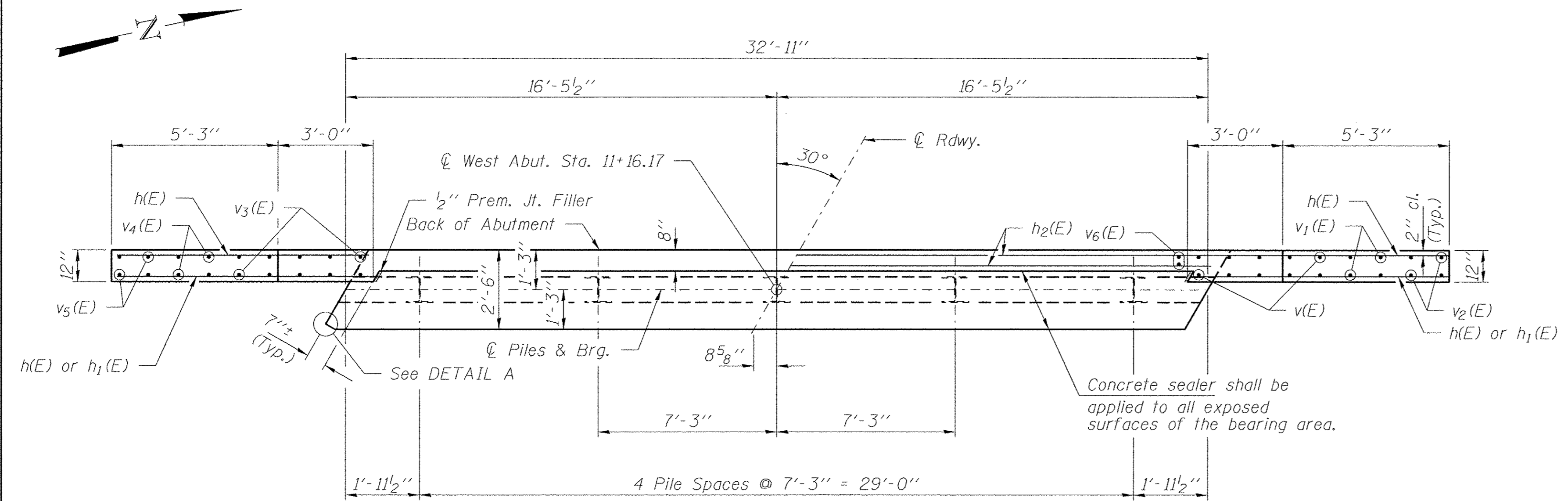
21" x 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 092-3529

SHEET NO. 3 OF 10 SHEETS

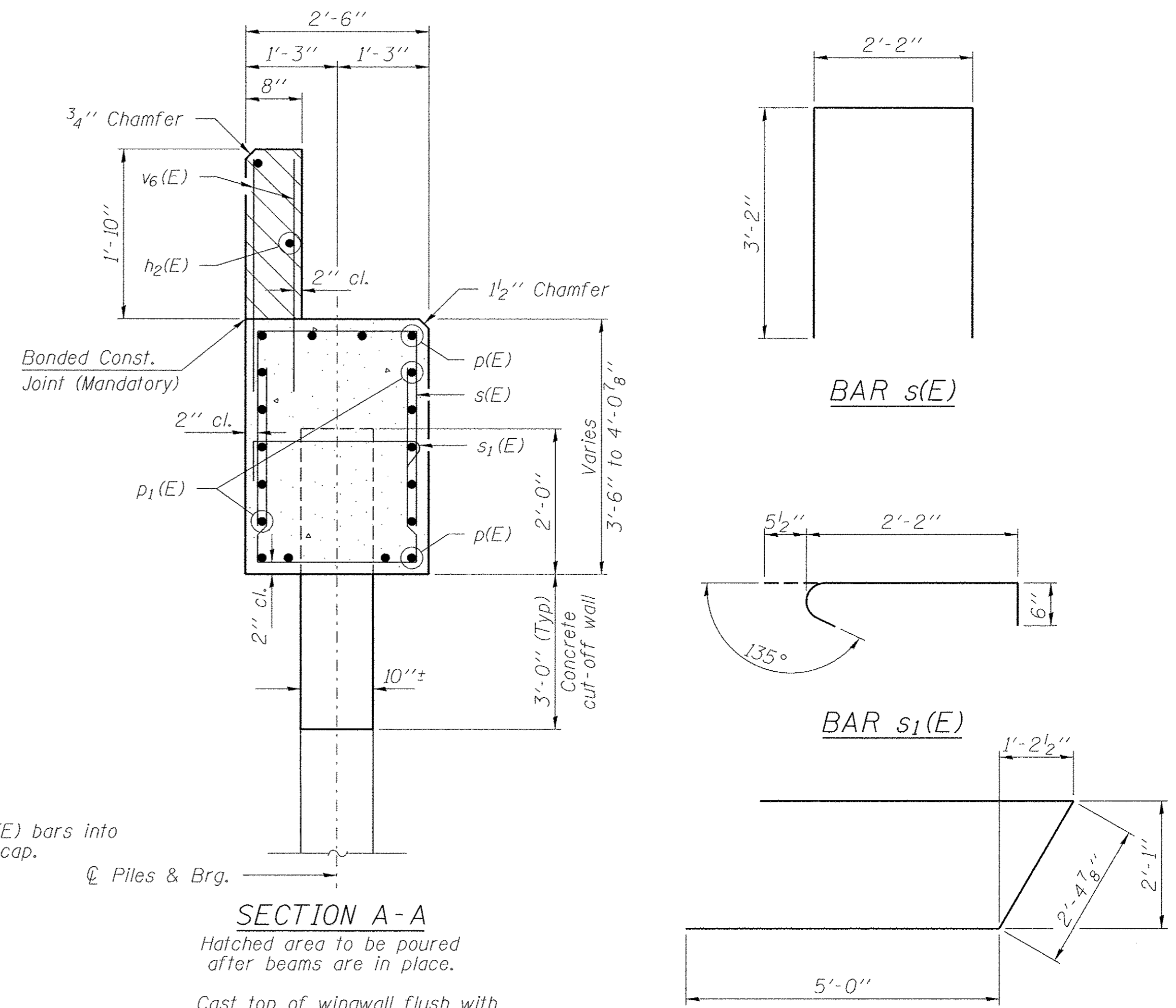
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	8
BLOUNT ROAD DISTRICT			CONTRACT NO. 91548	
ILLINOIS FED. AID PROJECT BROS-0183(326)				



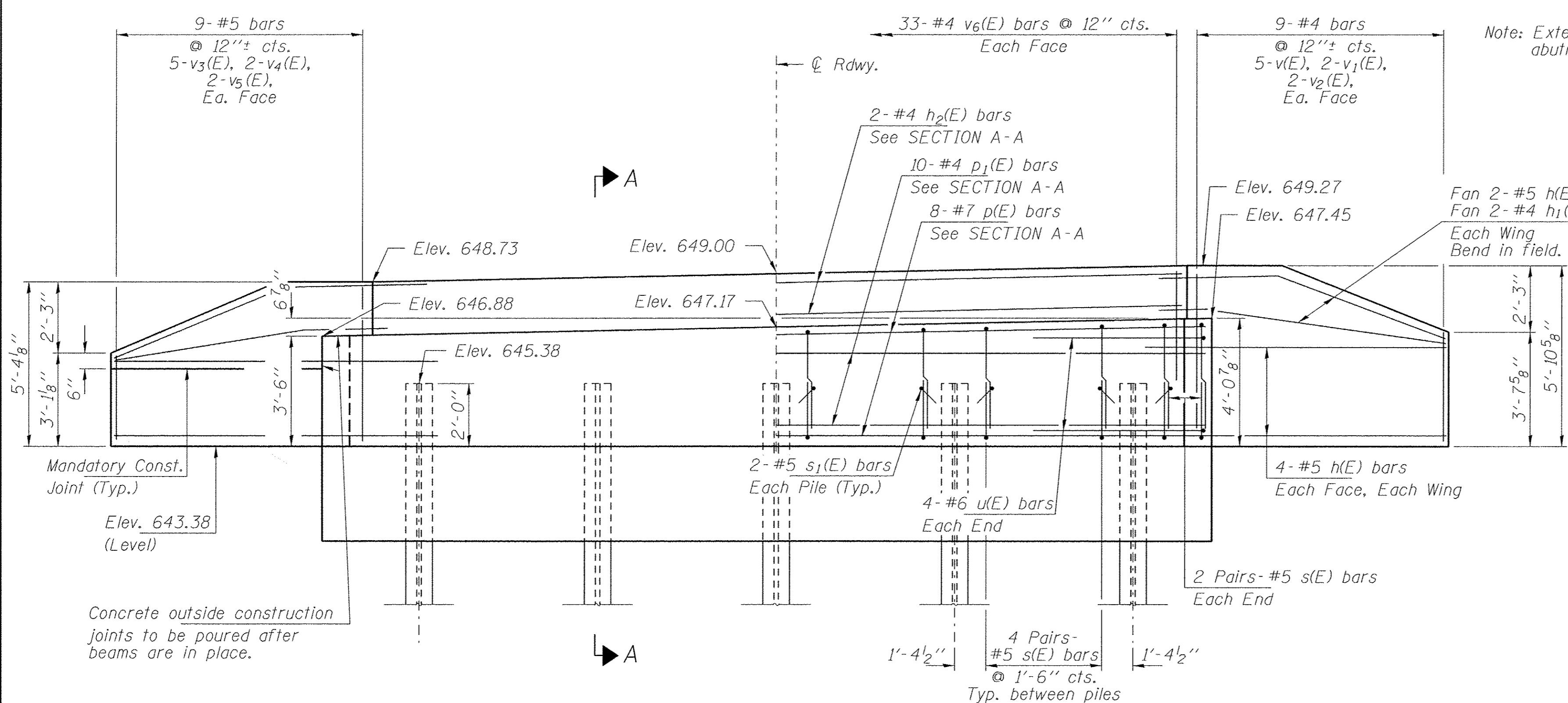
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HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -			194	13-01132-00-BR	VERMILION	30	9
HLR ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PFE / SE CORP. 194-000959	PLOT DATE = 4/6/2017	DRAWN - R.D.H.	REVISED -			BLOUNT ROAD DISTRICT		CONTRACT NO. 91548		
		CHECKED - S.W.M.	REVISED -			SHEET NO. 4 OF 10 SHEETS		[ILLINOIS] FED. AID PROJECT BROS-0183(326)		



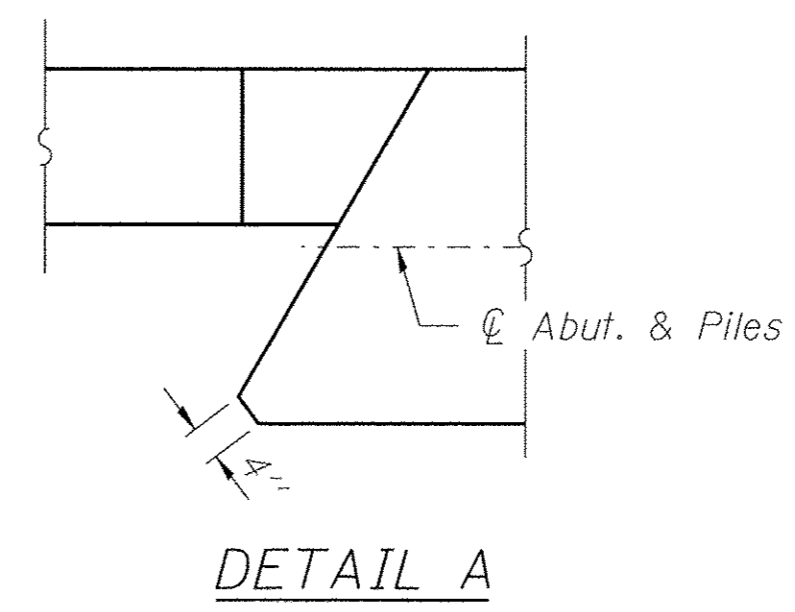
PLAN



SECTION A-A



ELEVATION
(Looking West)



DETAIL A

PILE DATA

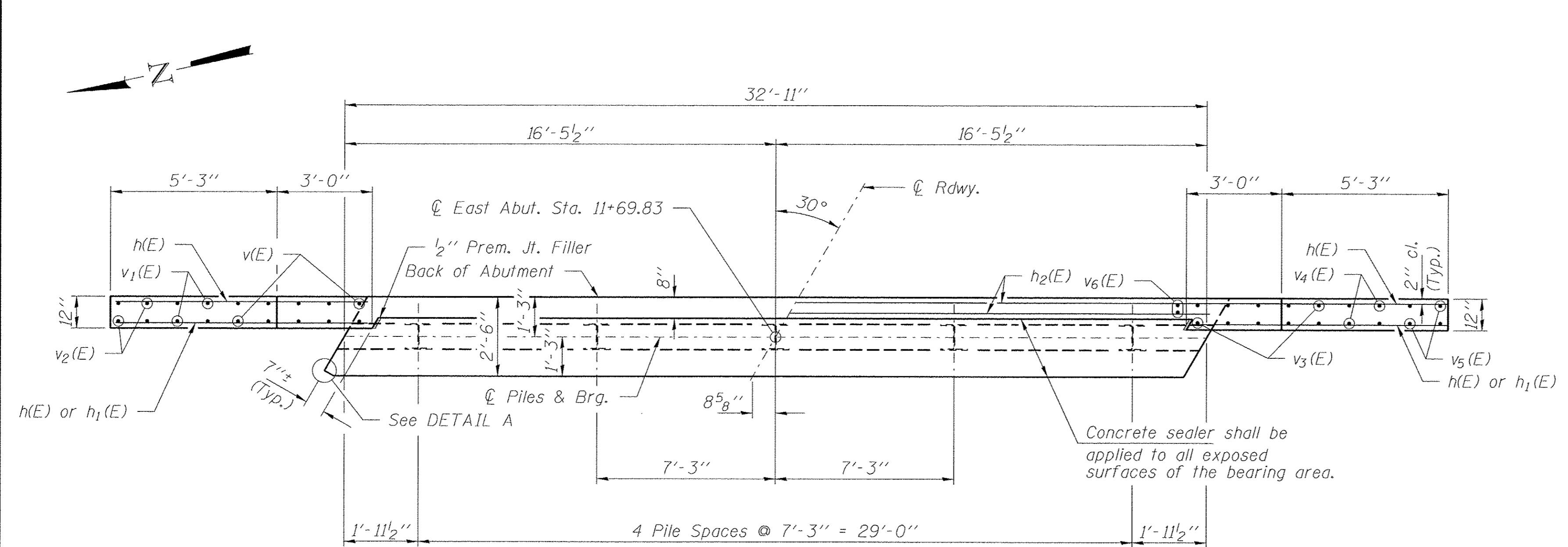
Type ----- Steel Piles HPI0x42 w/Pile Shoes
 No. Req'd. (W. Abut.) ----- *5
 Factored Resistance Available (Rf) ----- 136 Kips/Pile
 Nominal Required Bearing (Rn) ----- 247 Kips/Pile
 Est. Length ----- 50 Ft/Pile

Notes: * Includes one test pile to be driven in a permanent location at the West Abutment.

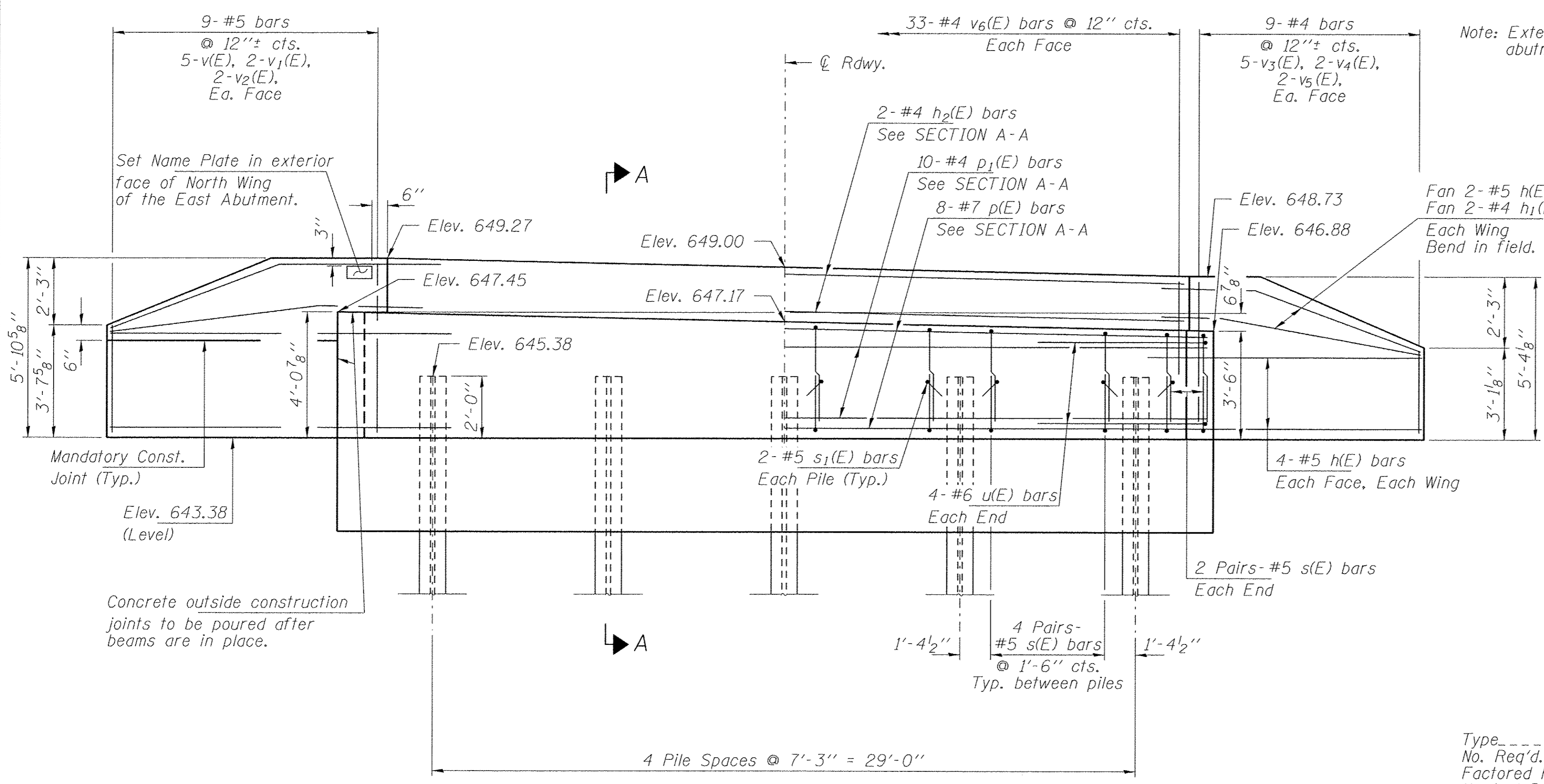
The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

BILL OF MATERIAL - W. ABUT.

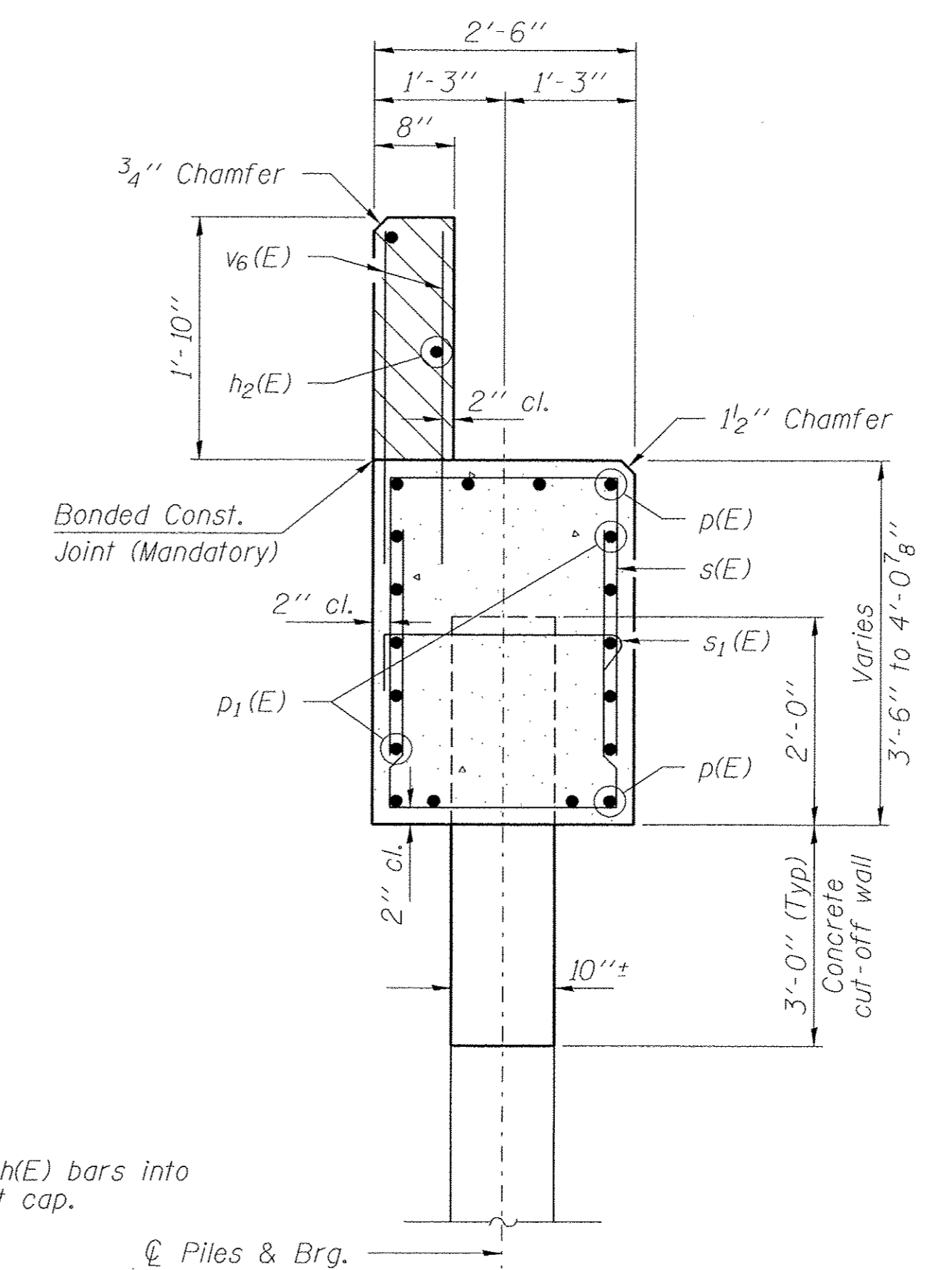
BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	20	#5	9'-6"	—
h1(E)	4	#4	8'-0"	—
h2(E)	2	#4	32'-7"	—
p(E)	8	#7	32'-7"	—
p1(E)	10	#4	32'-7"	—
s(E)	40	#5	8'-6"	□
s1(E)	10	#5	3'-2"	□
u(E)	8	#6	12'-5"	—
v(E)	10	#4	5'-1"	—
v1(E)	4	#4	4'-3"	—
v2(E)	4	#4	3'-5"	—
v3(E)	10	#4	4'-6"	—
v4(E)	4	#4	3'-8"	—
v5(E)	4	#4	2'-10"	—
v6(E)	66	#4	2'-8"	—
Concrete Structures			Cu. Yd.	15.8
Reinforcement Bars, Epoxy Coated			Pound	1,770
Steel Piles HPI0x42			Foot	200
Test Pile Steel HPI0x42			Each	1
Pile Shoes			Each	5
Concrete Sealer			Sq. Ft.	60
Concrete Cut-Off Wall			Cu. Yd.	3.0



PLAN

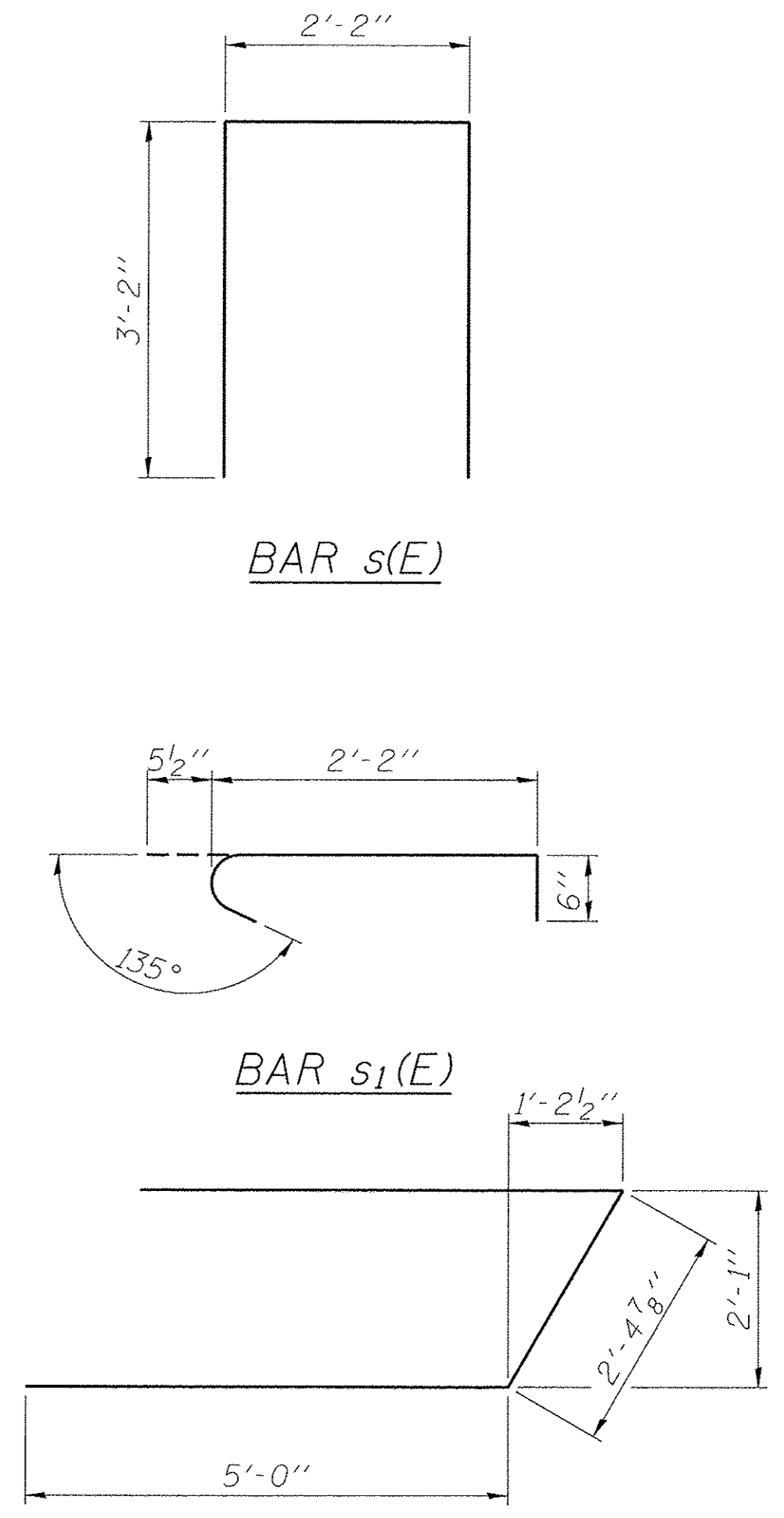


ELEVATION
(Looking East)



SECTION A-A

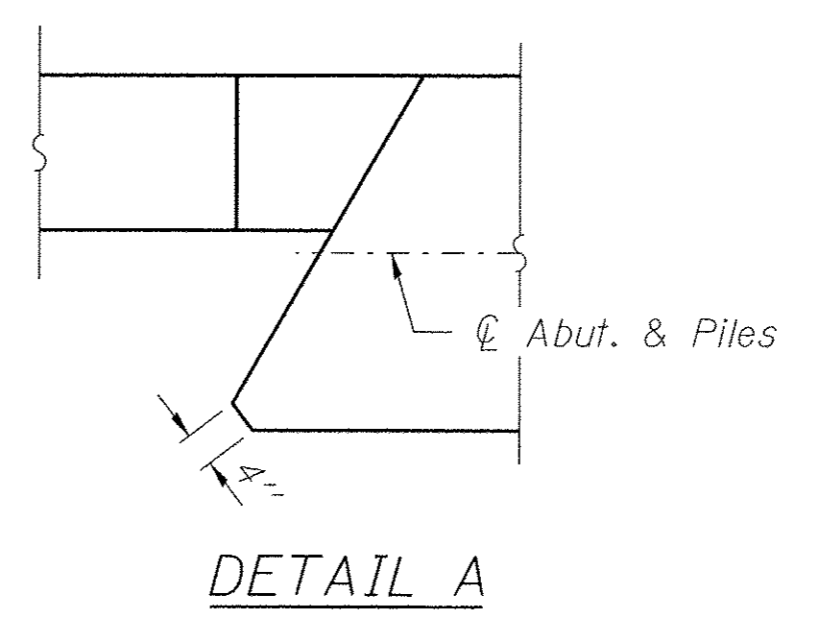
Hatched area to be poured after beams are in place.
Cast top of wingwall flush with exterior beam face after beams have been erected.



BAR u(E)

BILL OF MATERIAL - E. ABUT.

BAR NO.	NO.	SIZE	LENGTH	SHAPE
h(E)	20	#5	9'-6"	—
h1(E)	4	#4	8'-0"	—
h2(E)	2	#4	32'-7"	—
p(E)	8	#7	32'-7"	—
p1(E)	10	#4	32'-7"	—
s(E)	40	#5	8'-6"	□
s1(E)	10	#5	3'-2"	┌
u(E)	8	#6	12'-5"	└
v(E)	10	#4	5'-1"	—
v1(E)	4	#4	4'-3"	—
v2(E)	4	#4	3'-5"	—
v3(E)	10	#4	4'-6"	—
v4(E)	4	#4	3'-8"	—
v5(E)	4	#4	2'-10"	—
v6(E)	66	#4	2'-8"	—
Concrete Structures			Cu. Yd.	15.8
Reinforcement Bars, Epoxy Coated			Pound	1,770
Steel Piles HP10x42			Foot	200
Test Pile Steel HP10x42			Each	1
Pile Shoes			Each	5
Name Plates			Each	1
Concrete Sealer			Sq. Ft.	60
Concrete Cut-Off Wall			Cu. Yd.	3.0



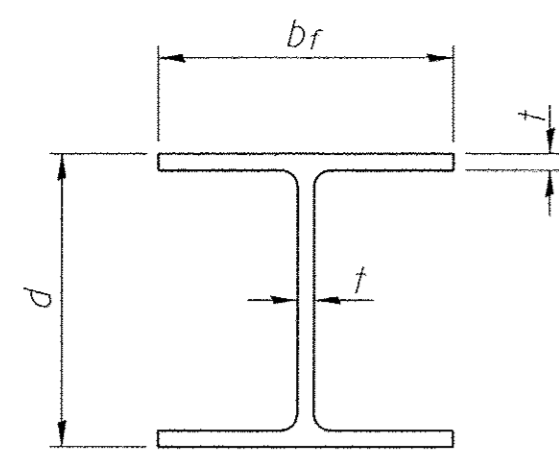
DETAIL A

PILE DATA

Type: Steel Piles HP10x42 w/Pile Shoes
 No. Req'd. (E. Abut.): 5
 Factored Resistance Available (Rf): 136 Kips/Pile
 Nominal Required Bearing (Rn): 247 Kips/Pile
 Est. Length: 50 Ft/Pile

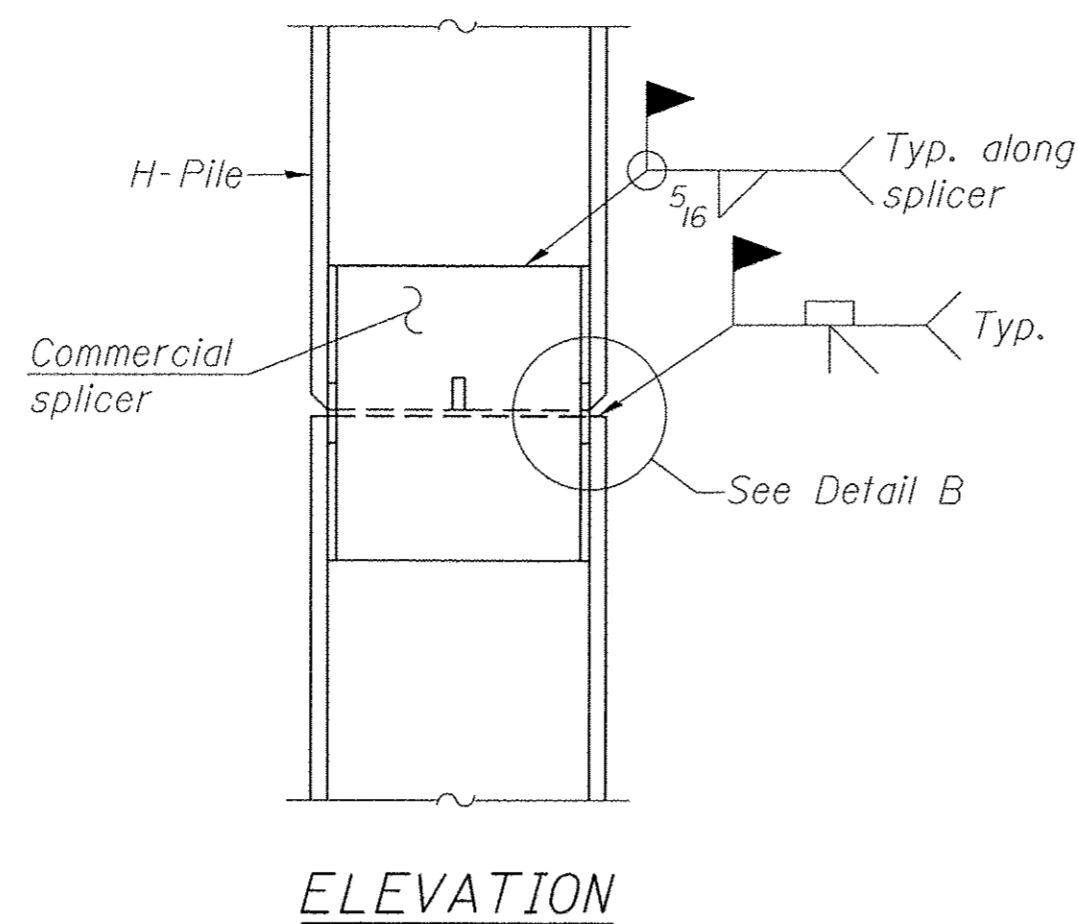
Notes: * Includes one test pile to be driven in a permanent location at the East Abutment.

The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

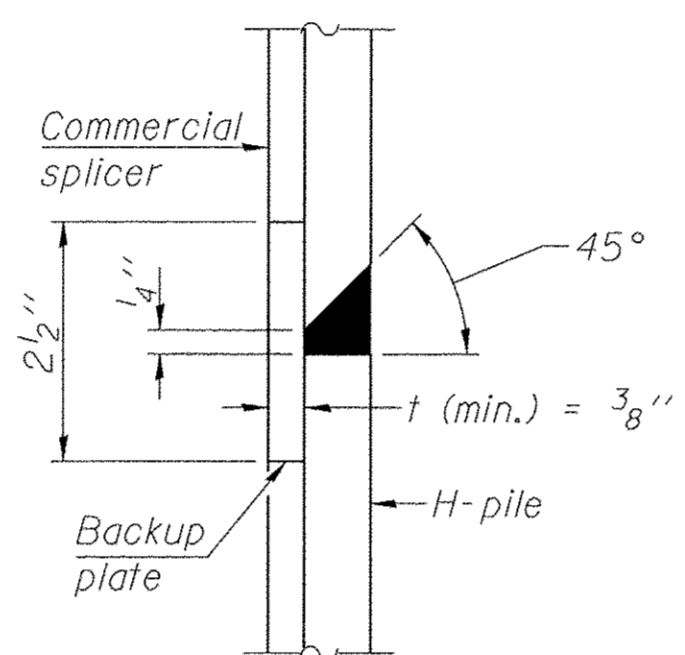


STEEL PILE TABLE

Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	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"	1/16"	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"

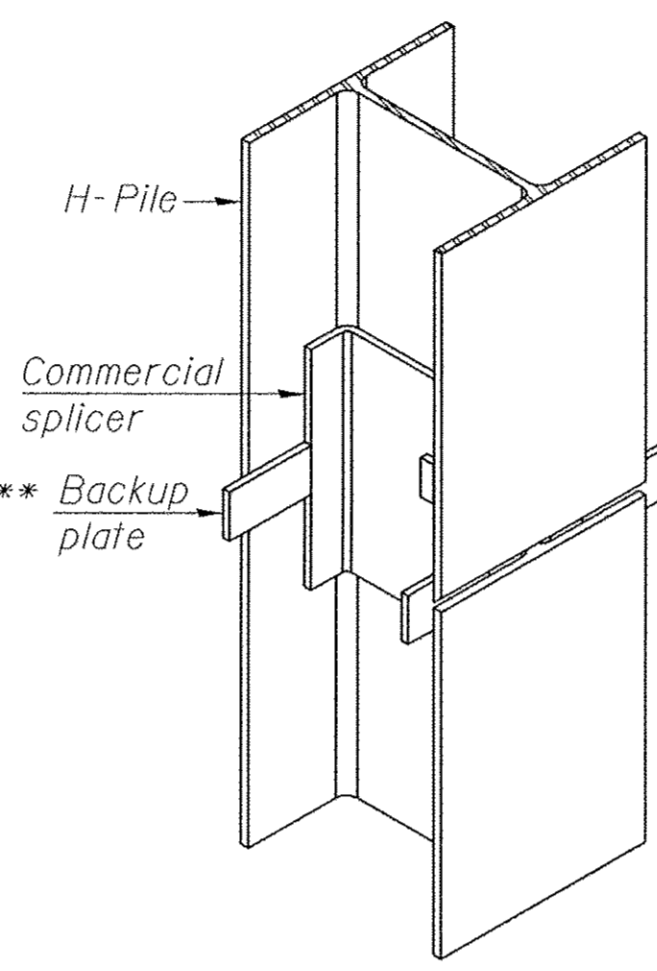


ELEVATION

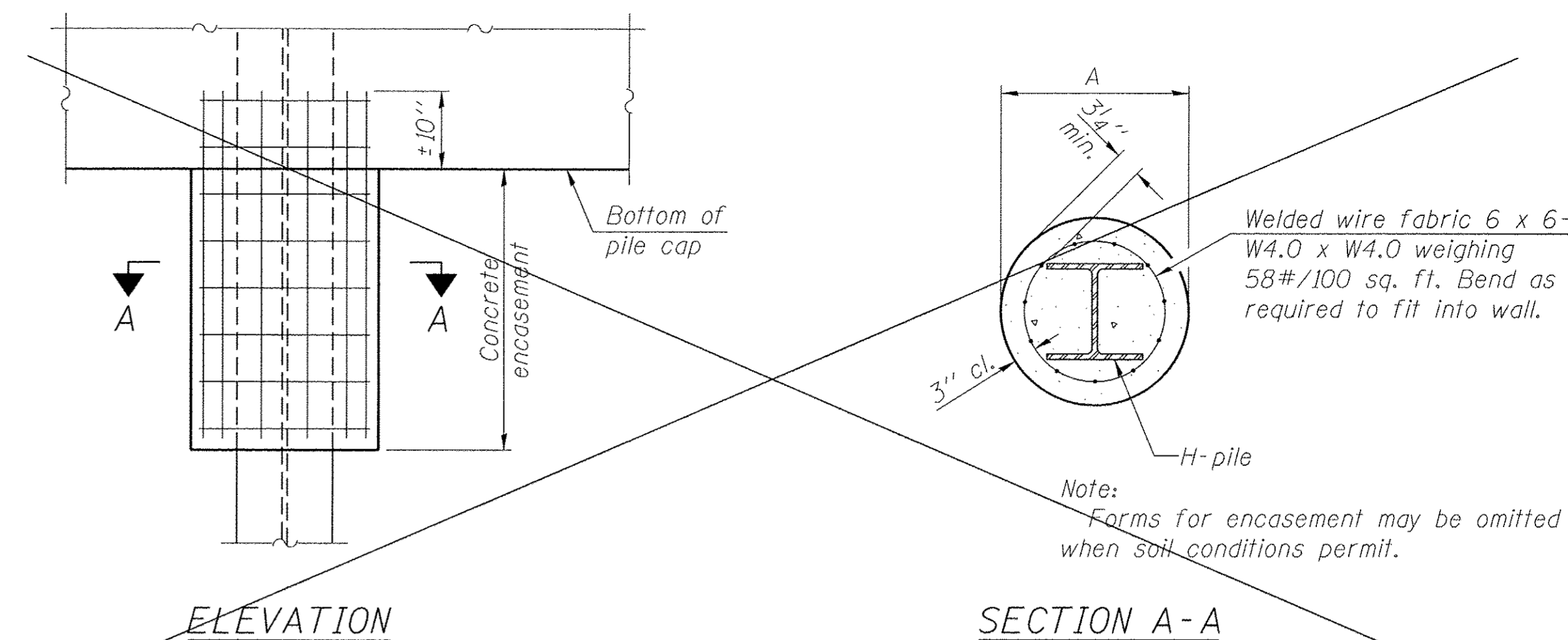


DETAIL "B"

WELDED COMMERCIAL SPLICE



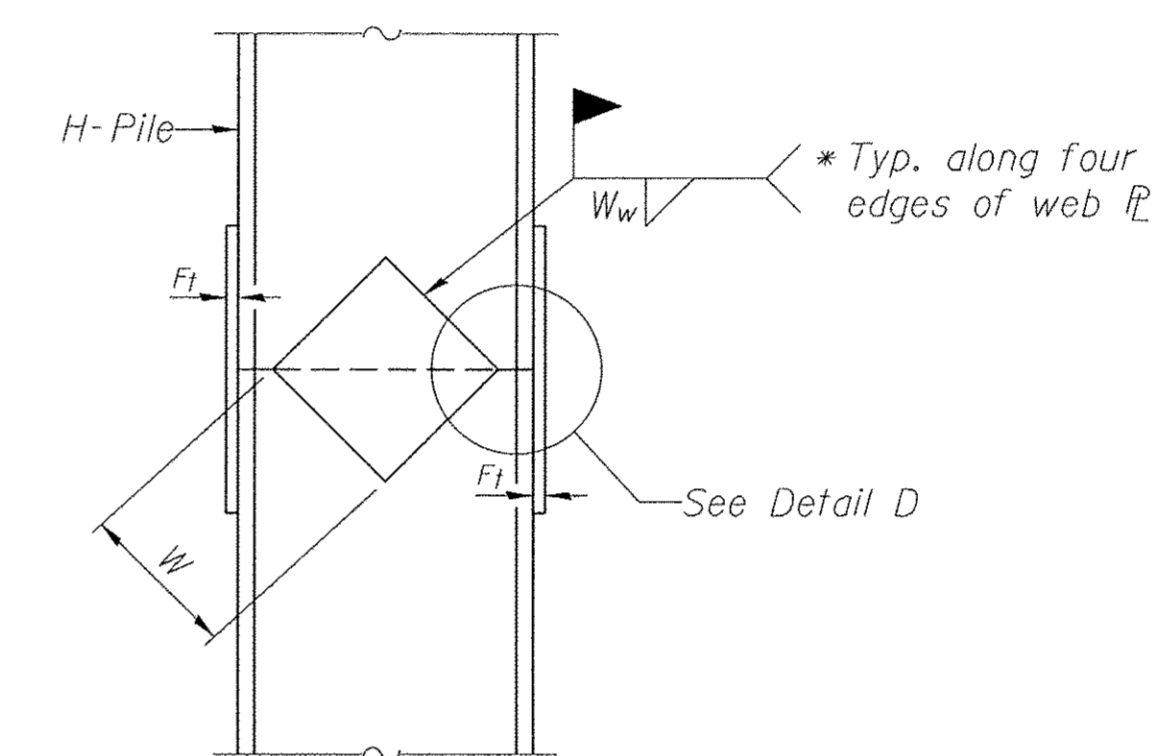
ISOMETRIC VIEW



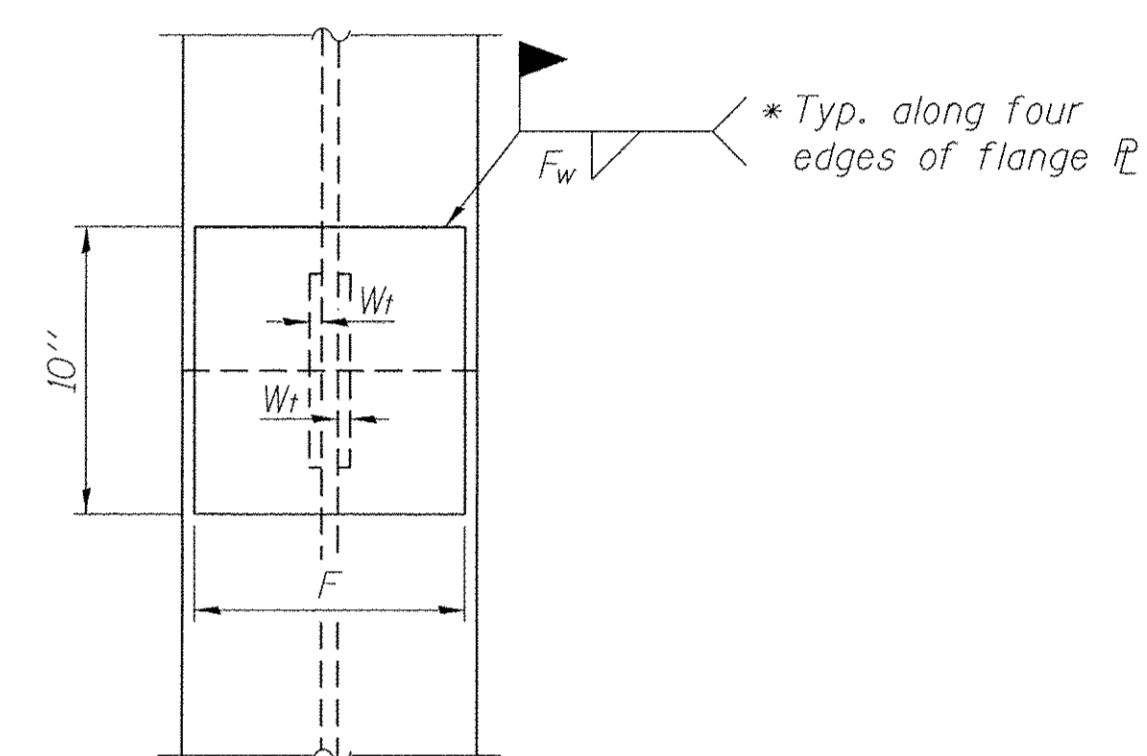
ELEVATION

SECTION A-A

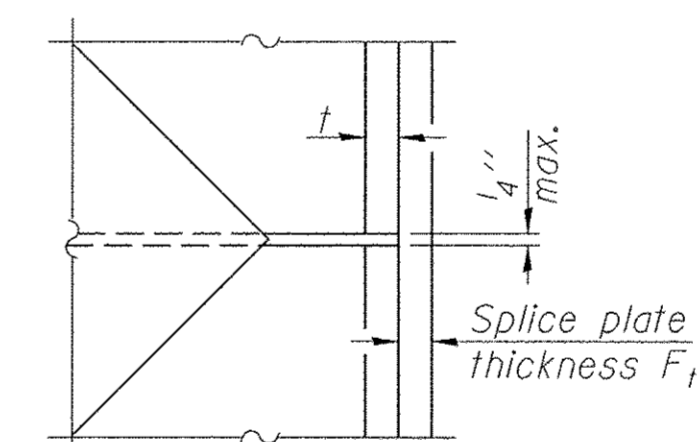
PILE ENCASEMENT (Not Required)



ELEVATION

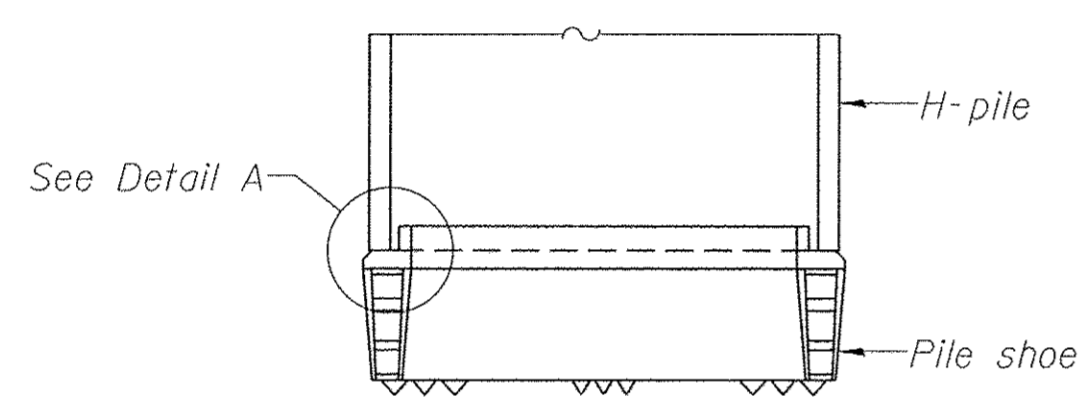


END VIEW

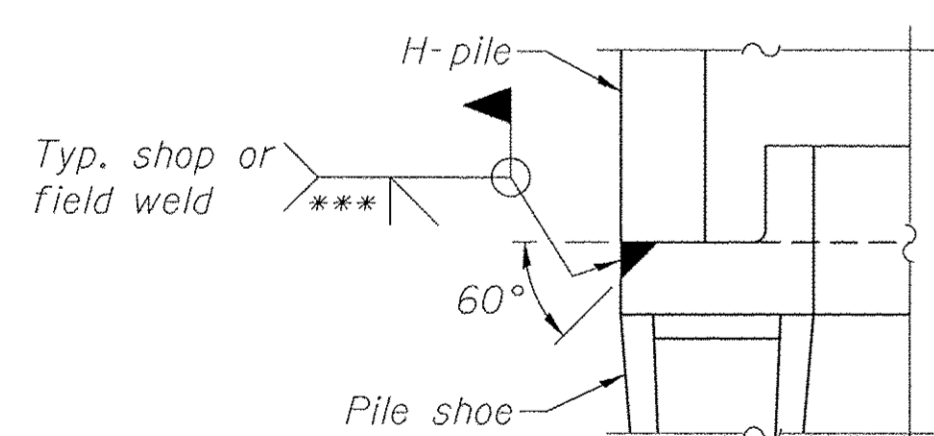


DETAIL D

WELDED PLATE FIELD SPLICE

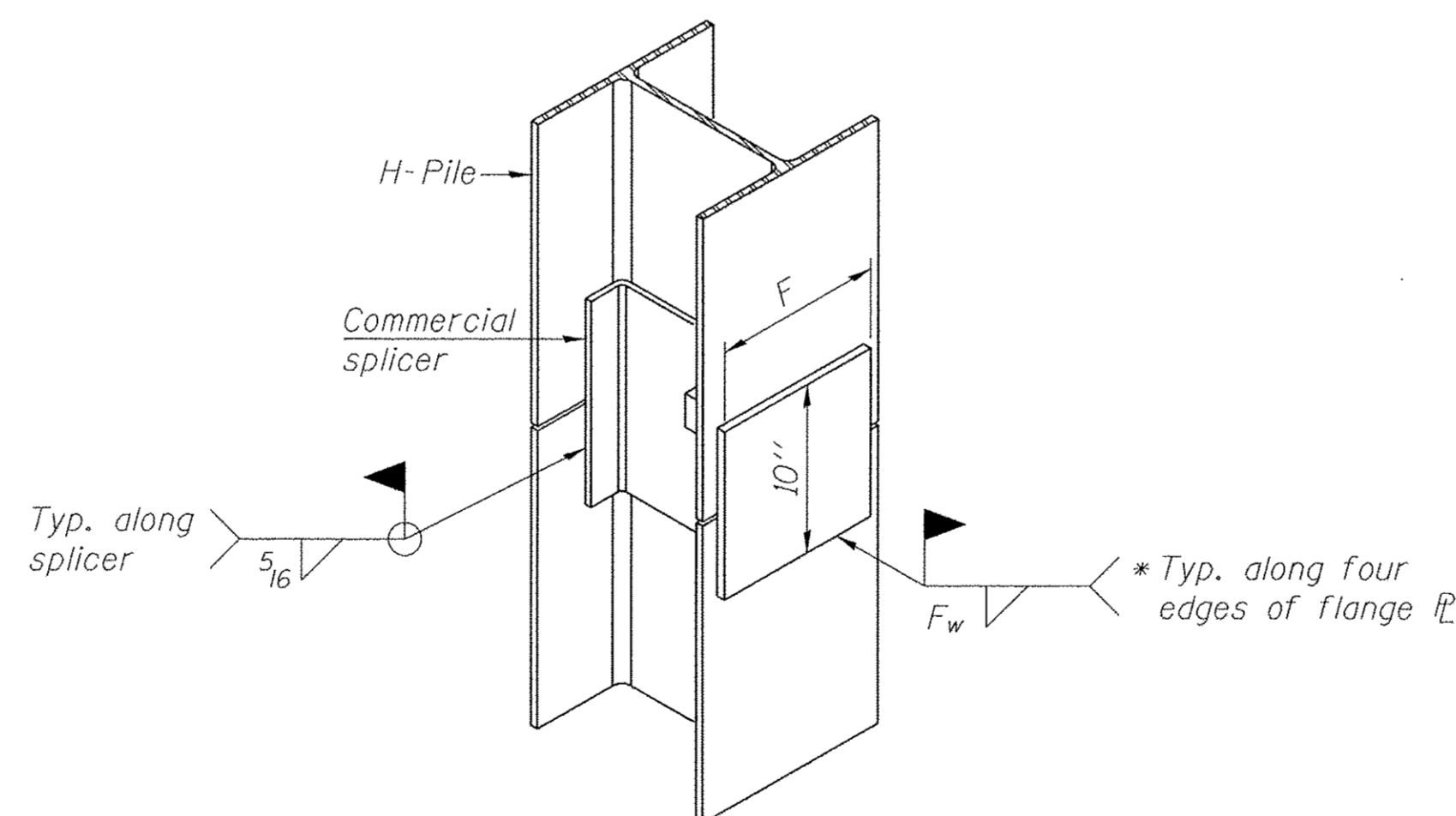


ELEVATION



DETAIL A

H-PILE SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

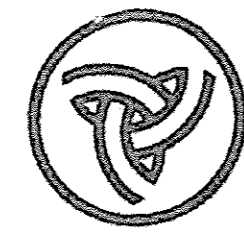
- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

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

Designation	F	F ₁	F _w	W	W ₁	W _w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 8/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 8/8"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5 8/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 8/8"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5 8/8"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5 8/8"	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"

F-HP 1-27-12

FILE NAME = 150147-sht-brIDGE.dgn	USER NAME =	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	HP PILE DETAILS STRUCTURE NO. 092-3529	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -			194	13-01132-00-BR	VERMILION	30	13
	PLOT DATE = 4/6/2017	DRAWN - R.D.H.	REVISED -			BLOUNT ROAD DISTRICT		CONTRACT NO. 91548		
		CHECKED - S.W.M.	REVISED -			ILLINOIS FED. AID PROJECT BROS-01831326				



Illinois Department of Transportation
Division of Highways
IDOT - Dist 5

SOIL BORING LOG

Page 1 of 2

Date 12/19/01

ROUTE T.R. 1140E DESCRIPTION 1 Mile Northwest of Snider LOGGED BY CNA

SECTION 00-01125-00-BR LOCATION NW, SEC. 10, TWP. 20N, RNG. 13W, 2nd PM

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-3145(Old)
Station 11+50

BORING NO. 2 SE Abut.
Station 11+74
Offset 6.0 ft Lt.
Ground Surface Elev. 100.00 ft

DEPTH (ft)	BLOW (ft)	UCS (tsf)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	DEPTH (ft)	BLOW (ft)	UCS (tsf)	MOIST (%)
				88.90	89.30				
				Groundwater Elev.:					
				First Encounter 87.0 ft					
				Upon Completion Wash Bore ft					
				After Hrs. ft					
(649.5)				Gray Dirty Coarse Sand (continued)					
				(628.5)	78.00				
				Gray Clay Loam Till					
	3						4		
	4	4.7	18				18	11.5	11
	5	-					29	B	
	0								
	3		24						
	4								
	0						4		
	1	0.4	23				7	4.9	12
(639.5)	1	B		(620.0)	70.00		12	B	
				Brown Mottled Silty Clay Loam					
	1								
	5		20						
(638.0)	7	-							
				Black Dirty Coarse Sand (636.5)					
	2						4		
	4	3.3	13				8	4.5	11
	7	B					16	B	
				Gray Clay Loam Till to Silty Clay Loam Till					
	2								
	4	3.7	14						
	5	S							
(632.0)									
	2						3		
	8	3.1	12				7	4.1	11
	8	B					14	B	
				Gray Dirty Coarse Sand					

S:\SCLSBORING-1\VERMIL-1131245.GPJ 01/03/2002 1:52:30 PM

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
IDOT - Dist 5

SOIL BORING LOG

Page 2 of 2

Date 12/19/01

ROUTE T.R. 1140E DESCRIPTION 1 Mile Northwest of Snider LOGGED BY CNA

SECTION 00-01125-00-BR LOCATION NW, SEC. 10, TWP. 20N, RNG. 13W, 2nd PM

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-3145(Old)
Station 11+50

BORING NO. 2 SE Abut.
Station 11+74
Offset 6.0 ft Lt.
Ground Surface Elev. 100.00 ft

DEPTH (ft)	BLOW (ft)	UCS (tsf)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	DEPTH (ft)	BLOW (ft)	UCS (tsf)	MOIST (%)
				88.90	89.30				
				Groundwater Elev.:					
				First Encounter 87.0 ft					
				Upon Completion Wash Bore ft					
				After Hrs. ft					
				Pink Clay Loam Till (continued)					
				(605.0)	55.00				
				End of Boring					

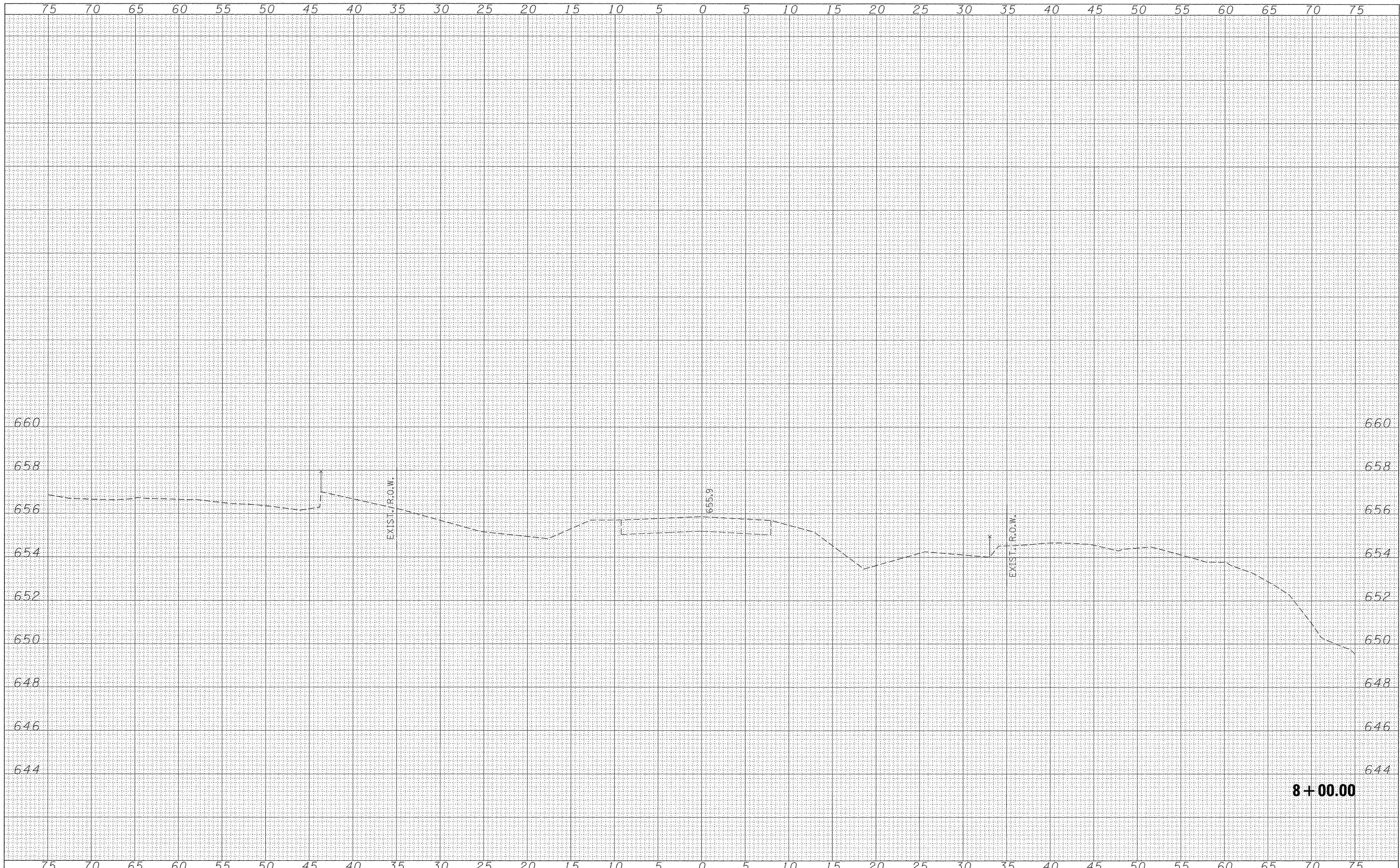
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The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

BORING-2

DATE	
BY	
SURVEYED	
PLANNED	
TEMPLATE	
AREAS	
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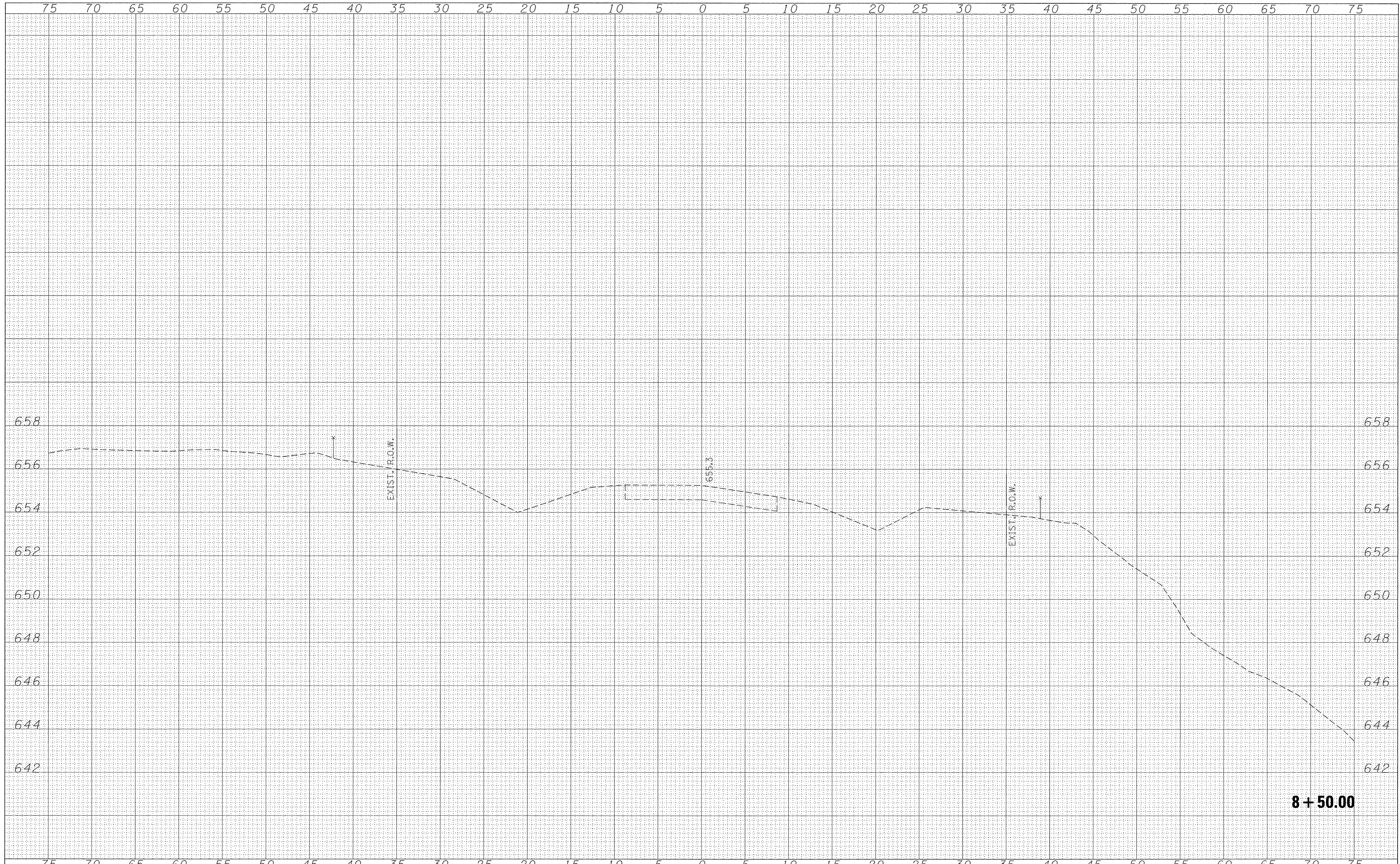
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HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000858		DRAWN - L.G.C.	REVISED -		TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - S.W.M.	REVISED -		194	13-01132-00-BR	VERMILION	30	16
	PLOT DATE = 4/6/2017	DATE - 04/06/17	REVISED -		BLOUNT ROAD DISTRICT		CONTRACT NO. 91548		ILLINOIS FED. AID PROJECT BROS-0183(326)
				SCALE: 5H:2V	SHEET NO. 1 OF 15 SHEETS	STA. 8+00.00	TO STA. 8+00.00		

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

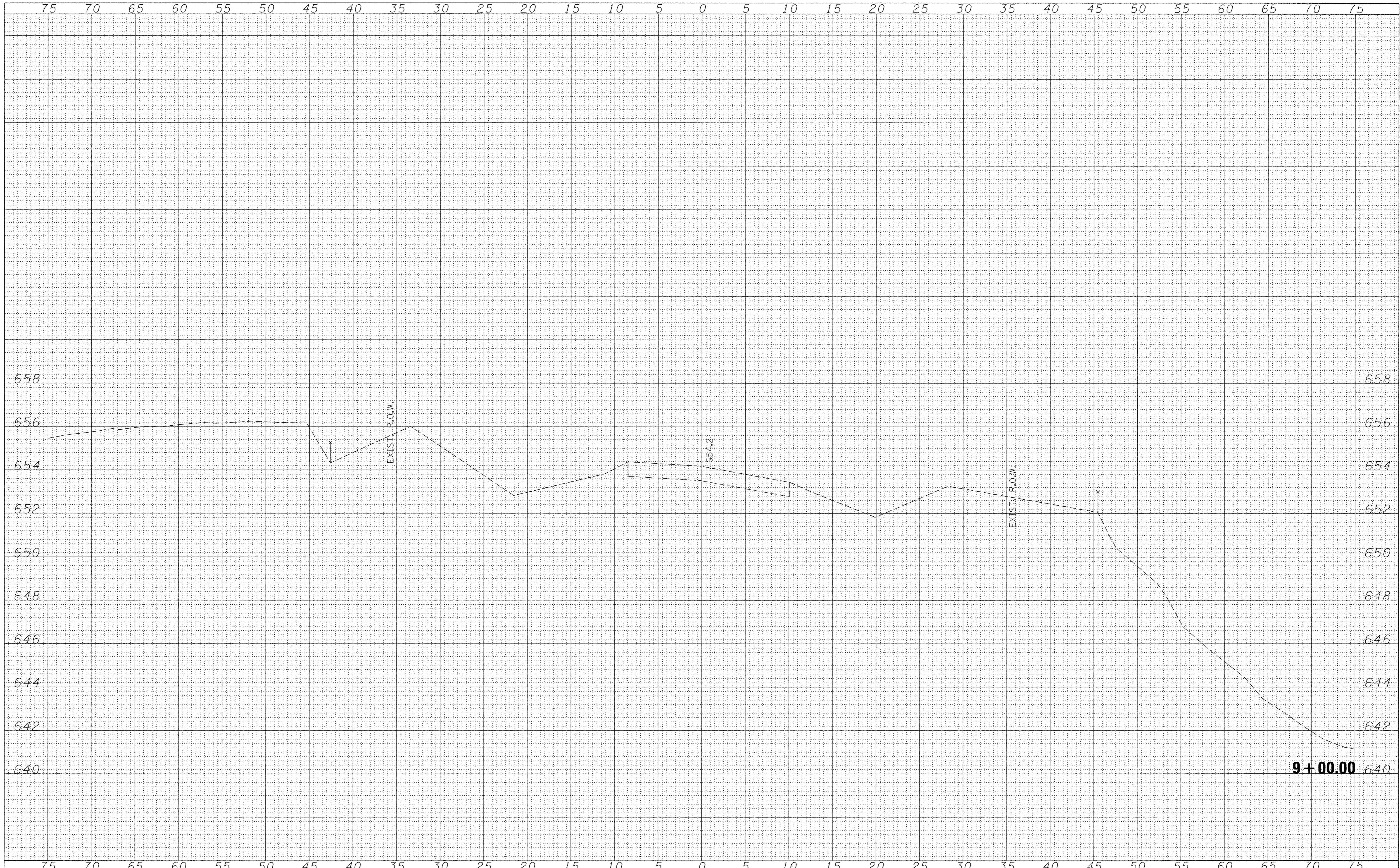
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NOTE BOOK	TEMPLATE	BY
NO.	AREAS CHECKED	



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HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.009959	PLOT SCALE = #SCALE#	DRAWN - L.G.C.	REVISED -		TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE = 4/6/2017	CHECKED - S.W.M.	REVISED -	REVISED -		194	13-01132-00-BR	VERMILION	30	17
DATE - 04/06/17	REVISIED -	REVISIED -	REVISIED -		BLOUNT ROAD DISTRICT		CONTRACT NO. 91548		[ILLINOIS] FED. AID PROJECT BR05-0183(326)
				SCALE: 5H:2V	SHEET NO. 2 OF 15 SHEETS		STA. 8+50.00 TO STA. 8+50.00		

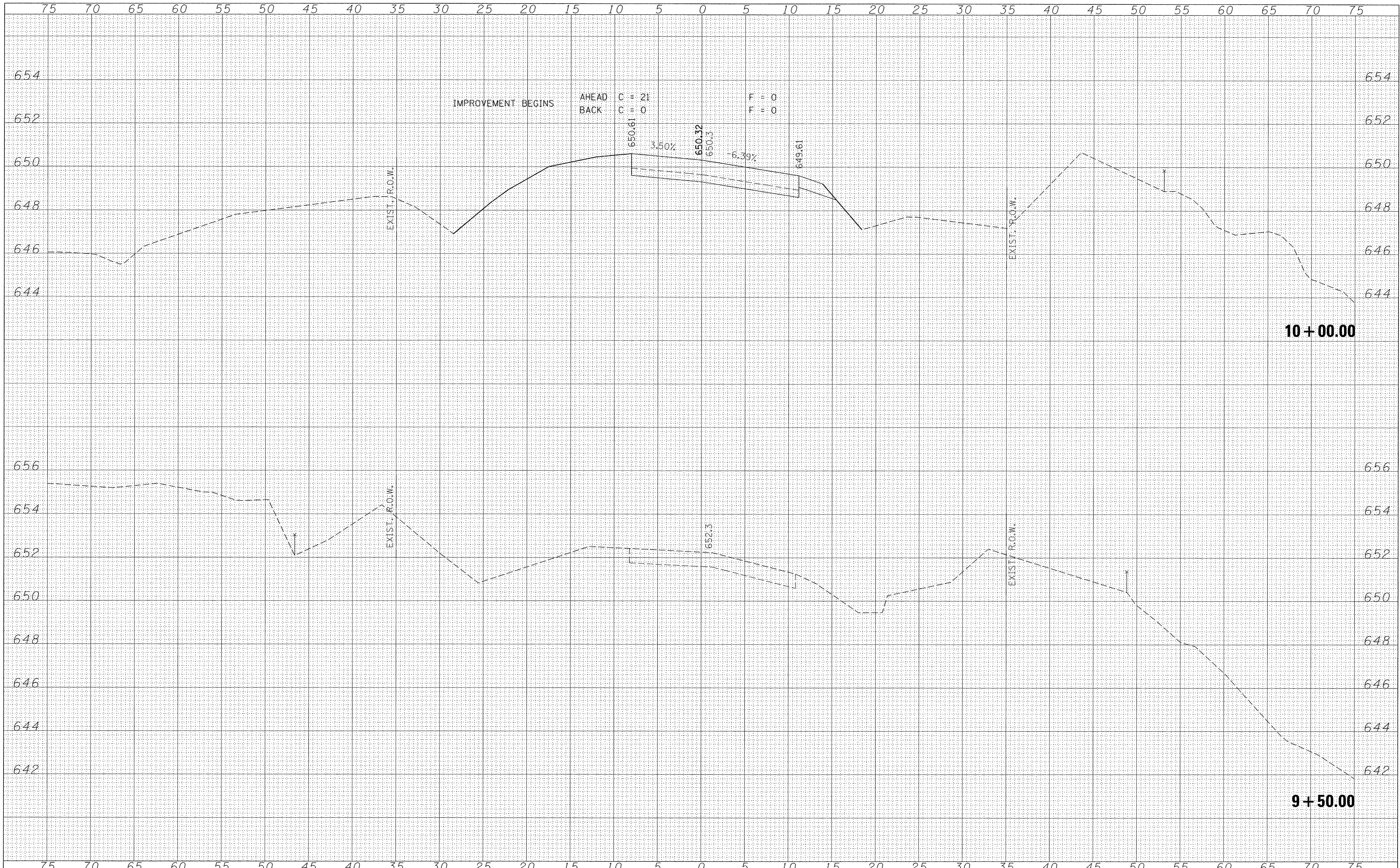
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SURVEYED	BY
NOTE BOOK	
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TEMPLATE	



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HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-009859	PLOT SCALE = #SCALE#	DRAWN - L.G.C.	REVISED -		TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE = 4/6/2017		CHECKED - S.W.M.	REVISED -		194	13-01132-00-BR	VERMILION	30	18
		DATE - 04/06/17	REVISED -		BLOUNT ROAD DISTRICT CONTRACT NO. 91548				ILLINOIS FED. AID PROJECT BROS-018313261

SCALE: 5H:2V SHEET NO. 3 OF 15 SHEETS STA. 9+00.00 TO STA. 9+00.00



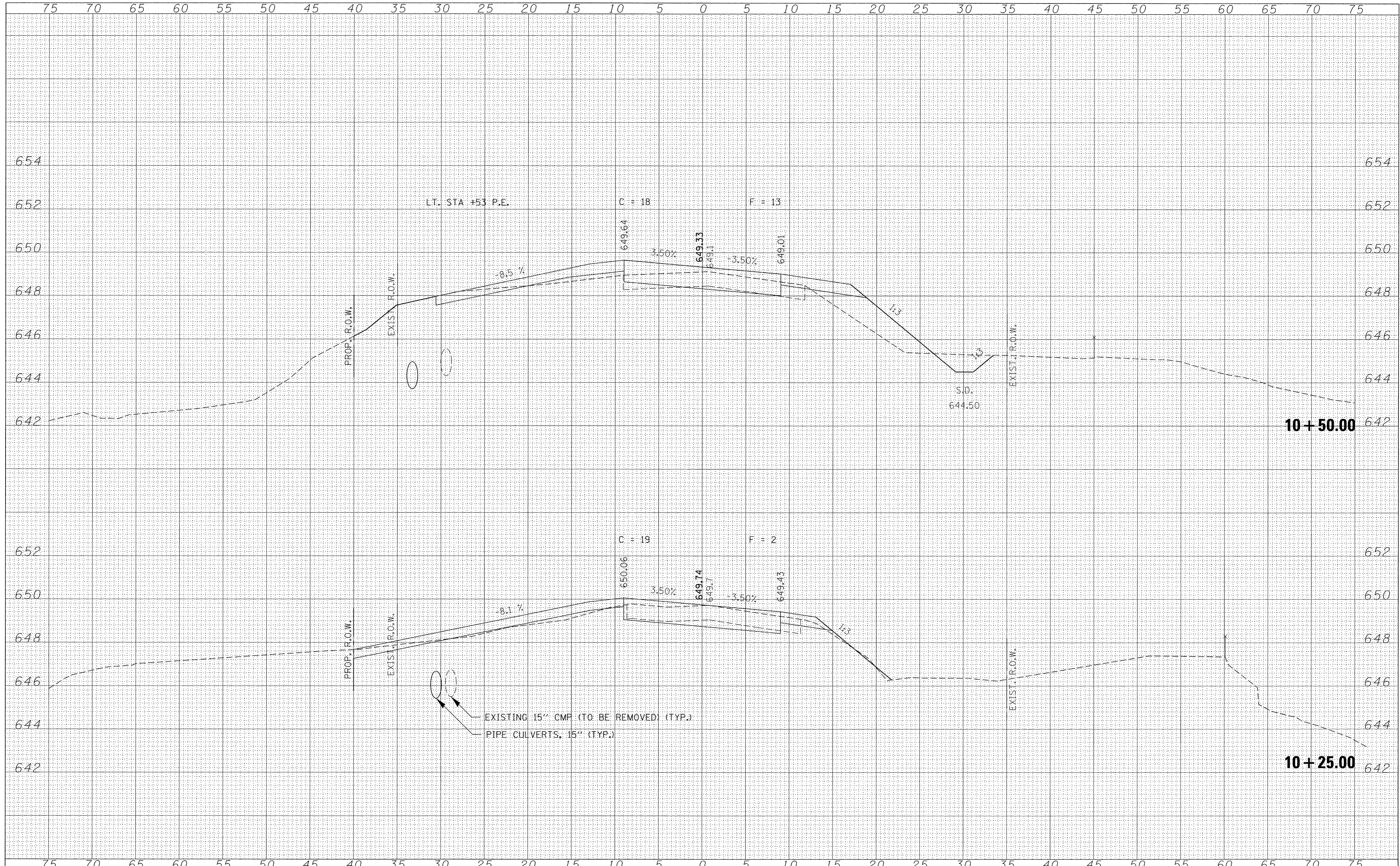
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DATE	
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ORIGINAL SURVEY	
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FILE NAME = 150147-shr-sxs.dgn	USER NAME = *USER*	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS				
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.009988		DRAWN - L.G.C.	REVISED -		TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = *SCALE*	CHECKED - S.W.M.	REVISED -		194	13-01132-00-BR	VERMILION	30	19
	PLOT DATE = 4/6/2017	DATE - 04/06/17	REVISED -		BLOUNT ROAD DISTRICT CONTRACT NO. 91548				
				SCALE: 5H:2V	SHEET NO. 4 OF 15 SHEETS		STA. 9+50.00 TO STA. 10+00.00		ILLINOIS FED. AID PROJECT BROS-01833261

DATE	
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PLANNED	
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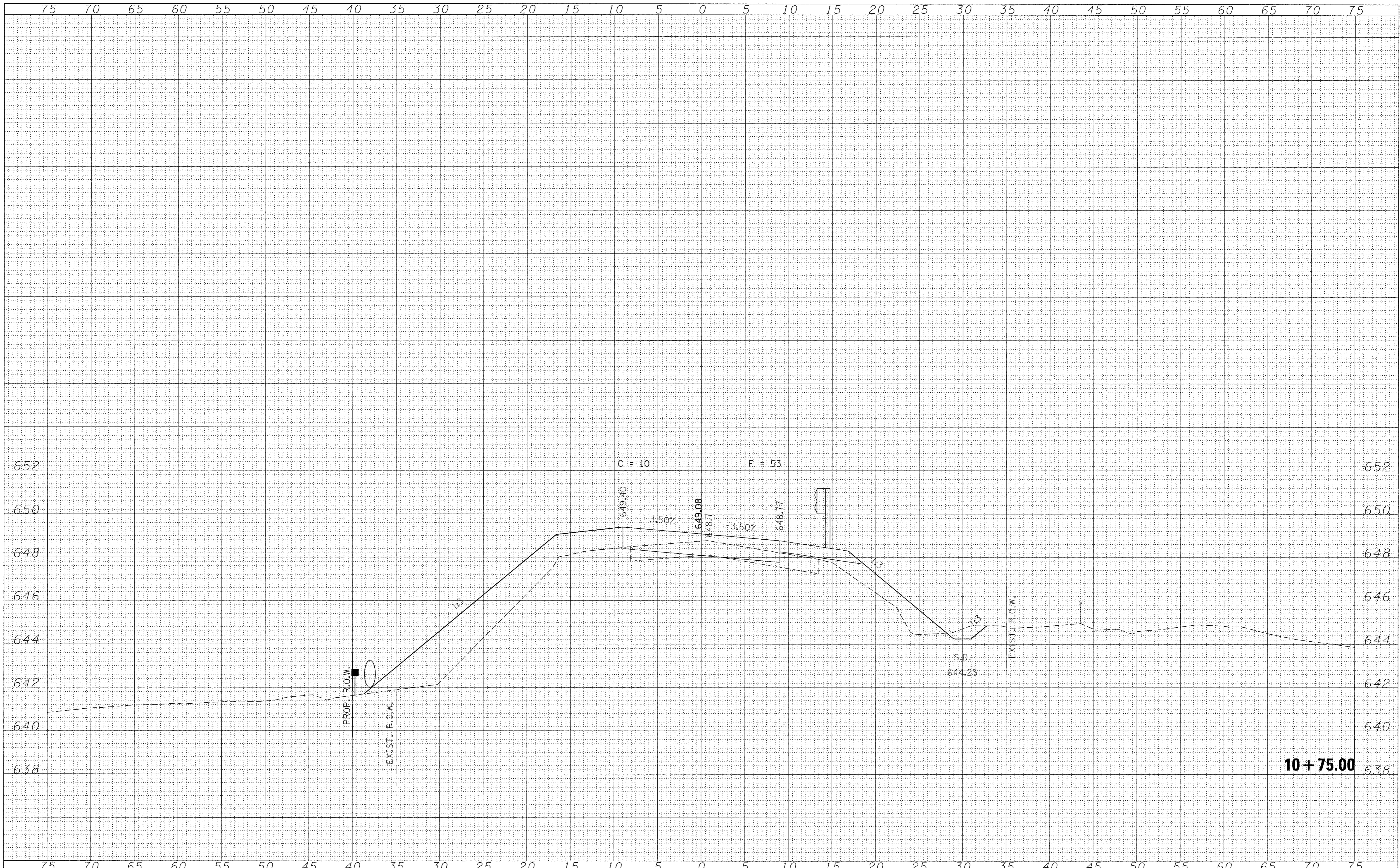
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PLANNED	
TEMPLATE	
AREAS	
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HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. TEL: 408/969		DRAWN - L.G.C.	REVISED -		TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = #SCALE#		CHECKED - S.W.M.	REVISED -		194	13-01132-00-BR	VERMILION	30	20
PLOT DATE = 4/6/2017		DATE - 04/06/17	REVISED -		BLOUNT ROAD DISTRICT CONTRACT NO. 91548				ILLINOIS FED. AID PROJECT BROS-01833261
				SCALE: 5H:2V	SHEET NO. 5 OF 15 SHEETS		STA. 10+25.00 TO STA. 10+50.00		

DATE	
BY	
SURVEYED	
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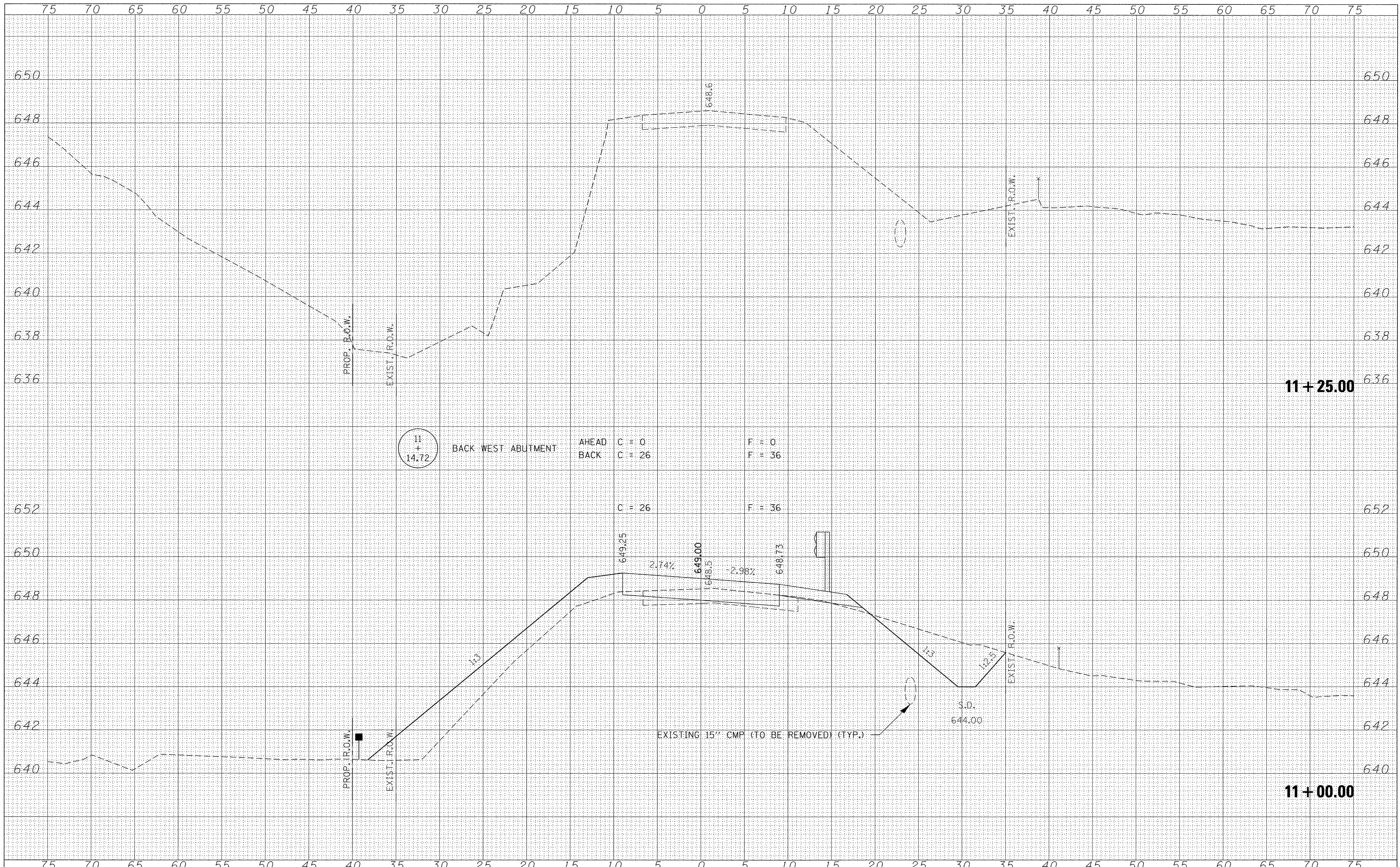
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DESIGNED - L.A.P.	DRAWN - L.G.C.	CHECKED - S.W.M.	REVISED -		194	13-01132-00-BR	VERMILION	30	21		
PLOT SCALE = #SCALE#	CHECKED - S.W.M.	DATE - 04/06/17	REVISED -		BLOUNT ROAD DISTRICT		CONTRACT NO. 91548		[ILLINOIS] FED. AID PROJECT GROS-0183(326)		
PLOT DATE = 4/6/2017	DATE - 04/06/17	REVISED -	SCALE: 5H:2V		SHEET NO. 6 OF 15 SHEETS	STA. 10+75.00	TO STA. 10+75.00				

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

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



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 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 04/06/17

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**STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT**

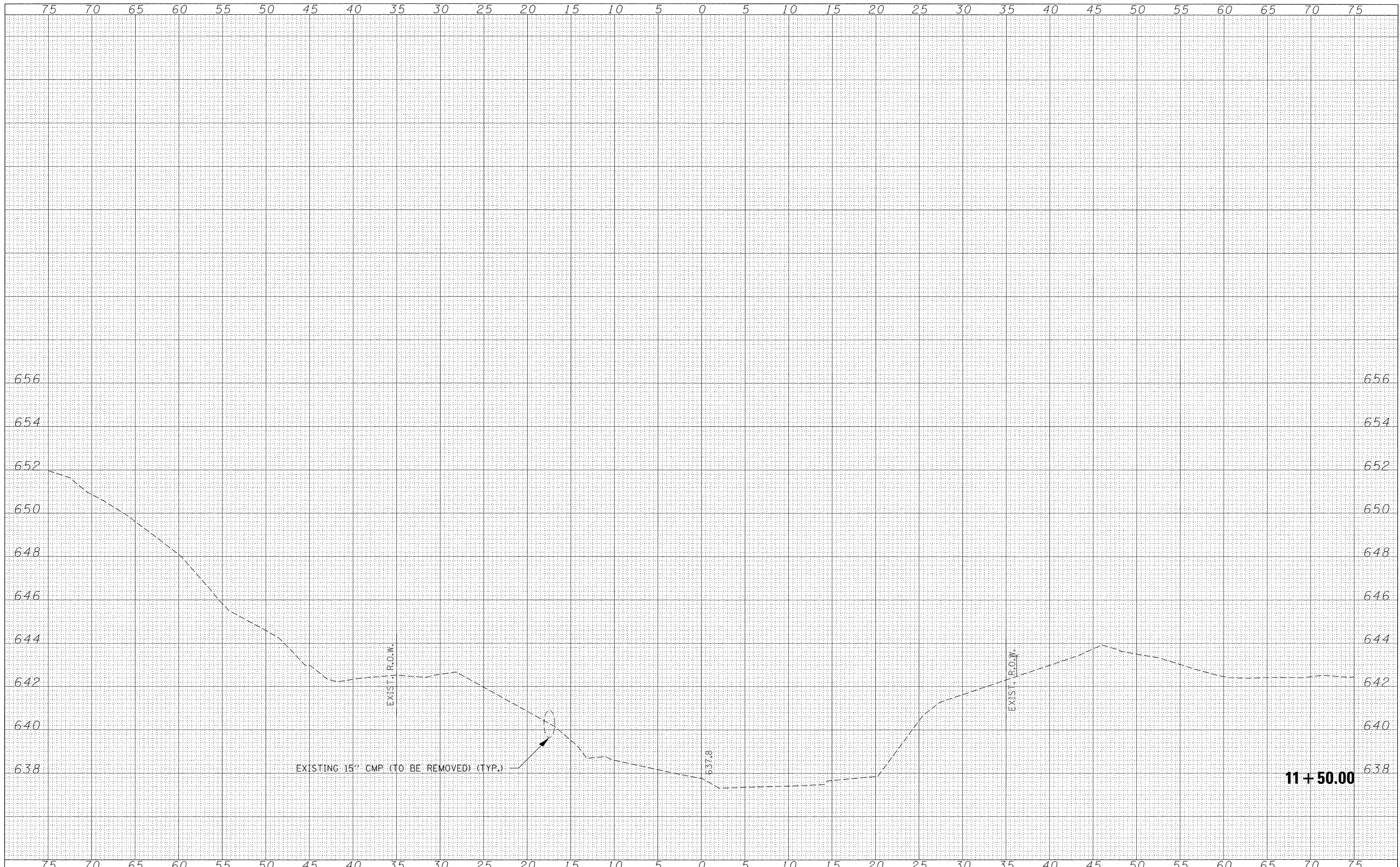
STATION CROSS SECTIONS

SCALE: 5H:2V SHEET NO. 7 OF 15 SHEETS STA. 11+00.00 TO STA. 11+25.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	22
BLOUNT ROAD DISTRICT		CONTRACT NO. 91548		
ILLINOIS FED. AID PROJECT BROS-018313261				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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FILE NAME = 150147-ah1-sxs.dgn
HAMPTON, LENZINI AND RENWICK, INC.
 3085 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.00959

USER NAME = #USER#
 DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 04/06/17
 PLOT SCALE = #SCALE#
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**STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT**

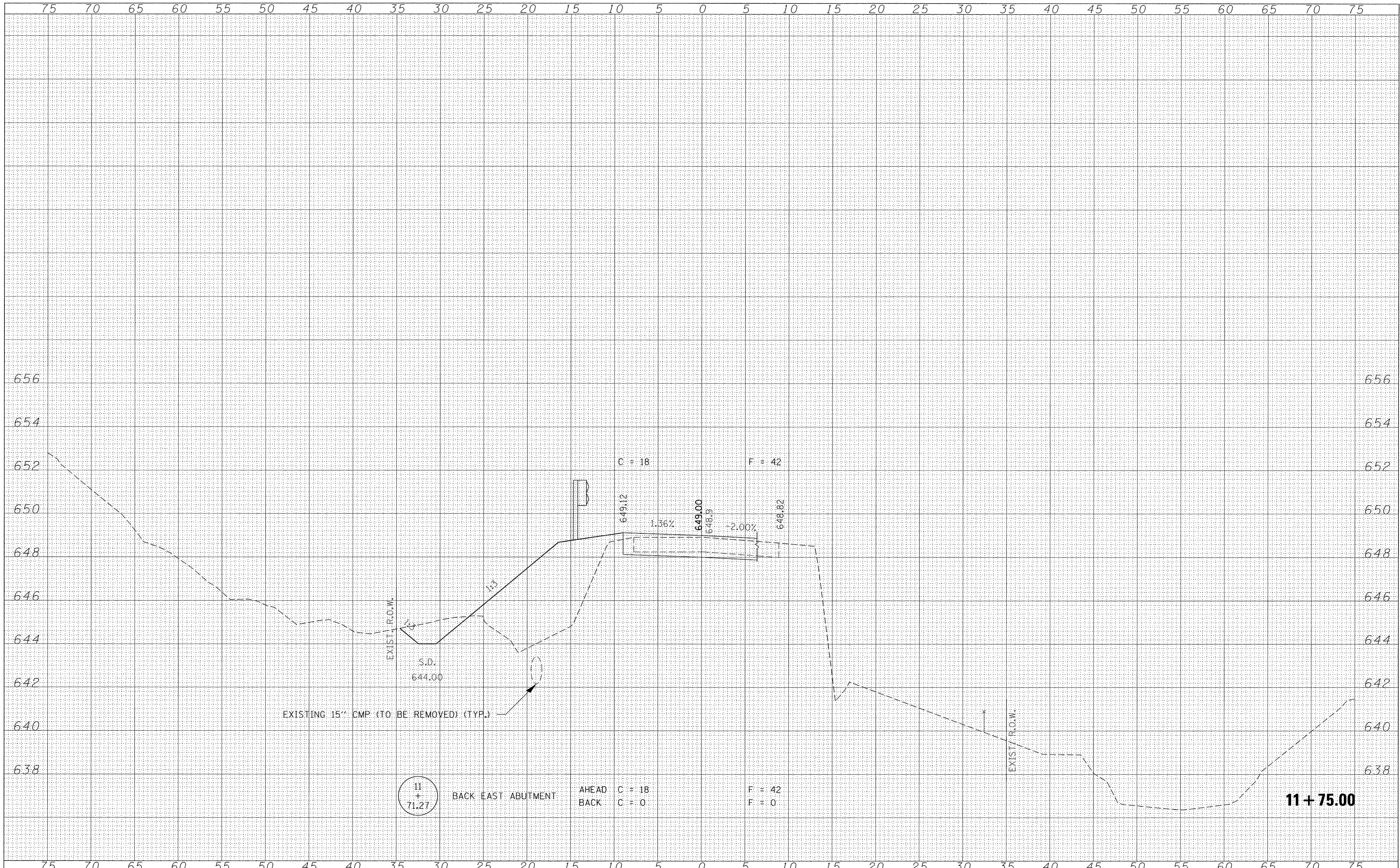
STATION CROSS SECTIONS

SCALE: 5H:2V SHEET NO. 8 OF 15 SHEETS STA. 11+50.00 TO STA. 11+50.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	23
BLOUNT ROAD DISTRICT			CONTRACT NO. 91548	
ILLINOIS FED. AID PROJECT BROS-018313261				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	AS NOTED	BY
NO.	AREAS CHECKED	
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	AS NOTED	BY
NO.	AREAS CHECKED	
	AREAS CHECKED	



FILE NAME = 150147-sh1-sxs.dgn
 DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 04/06/17

USER NAME = #USER#
 PLOT SCALE = #SCALE#
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**STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT**

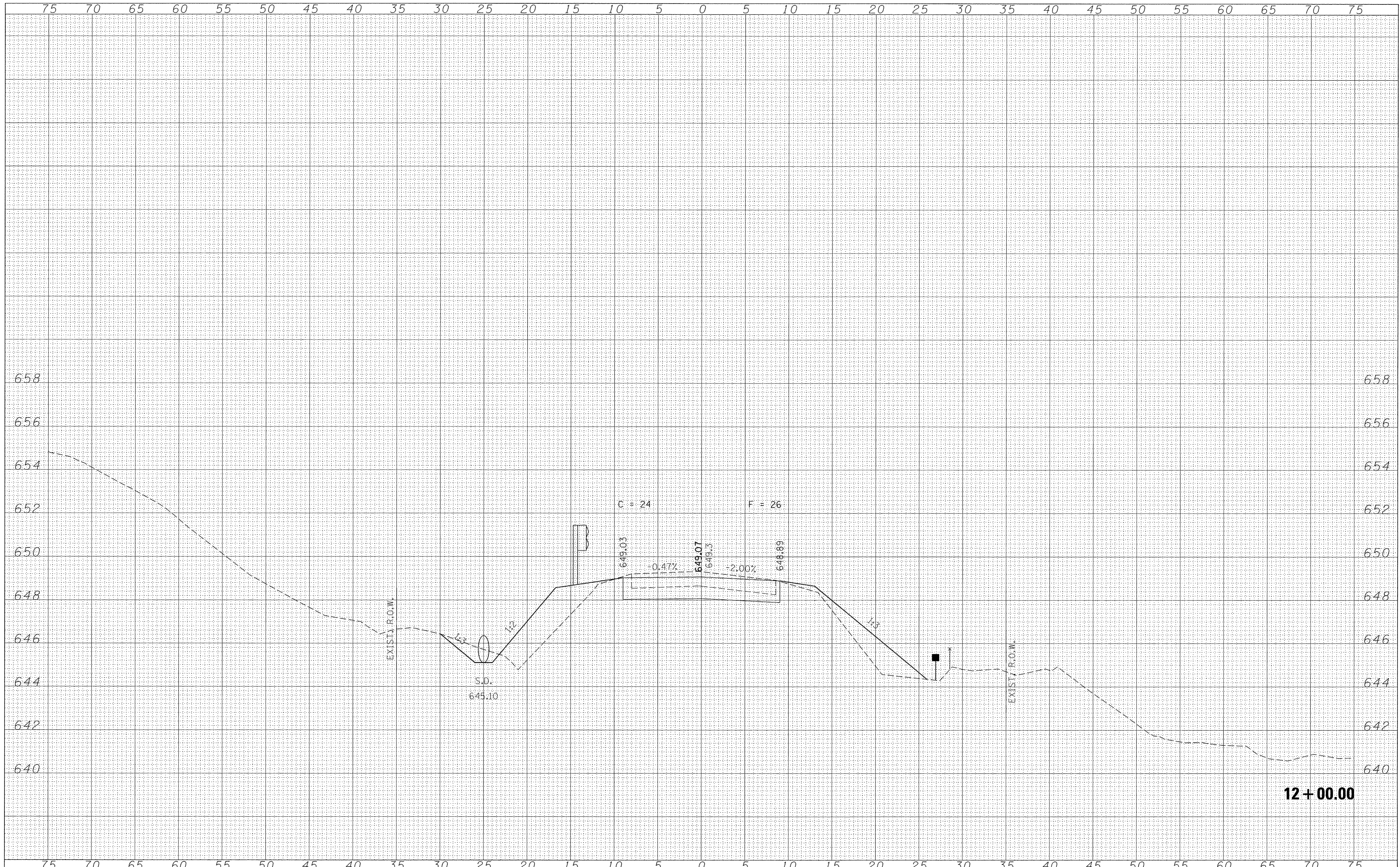
STATION CROSS SECTIONS

SCALE: 5H:2V SHEET NO. 9 OF 15 SHEETS STA. 11+75.00 TO STA. 11+75.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	24
BLOUNT ROAD DISTRICT			CONTRACT NO. 91548	
[ILLINOIS] FED. AID PROJECT BROS-0183(326)				

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

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTE BOOK	
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AREAS CHECKED	
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FILE NAME = 150147-ah1-sxs.dgn
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 DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 04/06/17
 PLOT SCALE = *SCALE*
 PLOT DATE = 4/6/2017

DESIGNED	-	L.A.P.	REVISED	-
DRAWN	-	L.G.C.	REVISED	-
CHECKED	-	S.W.M.	REVISED	-
DATE	-	04/06/17	REVISED	-

**STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT**

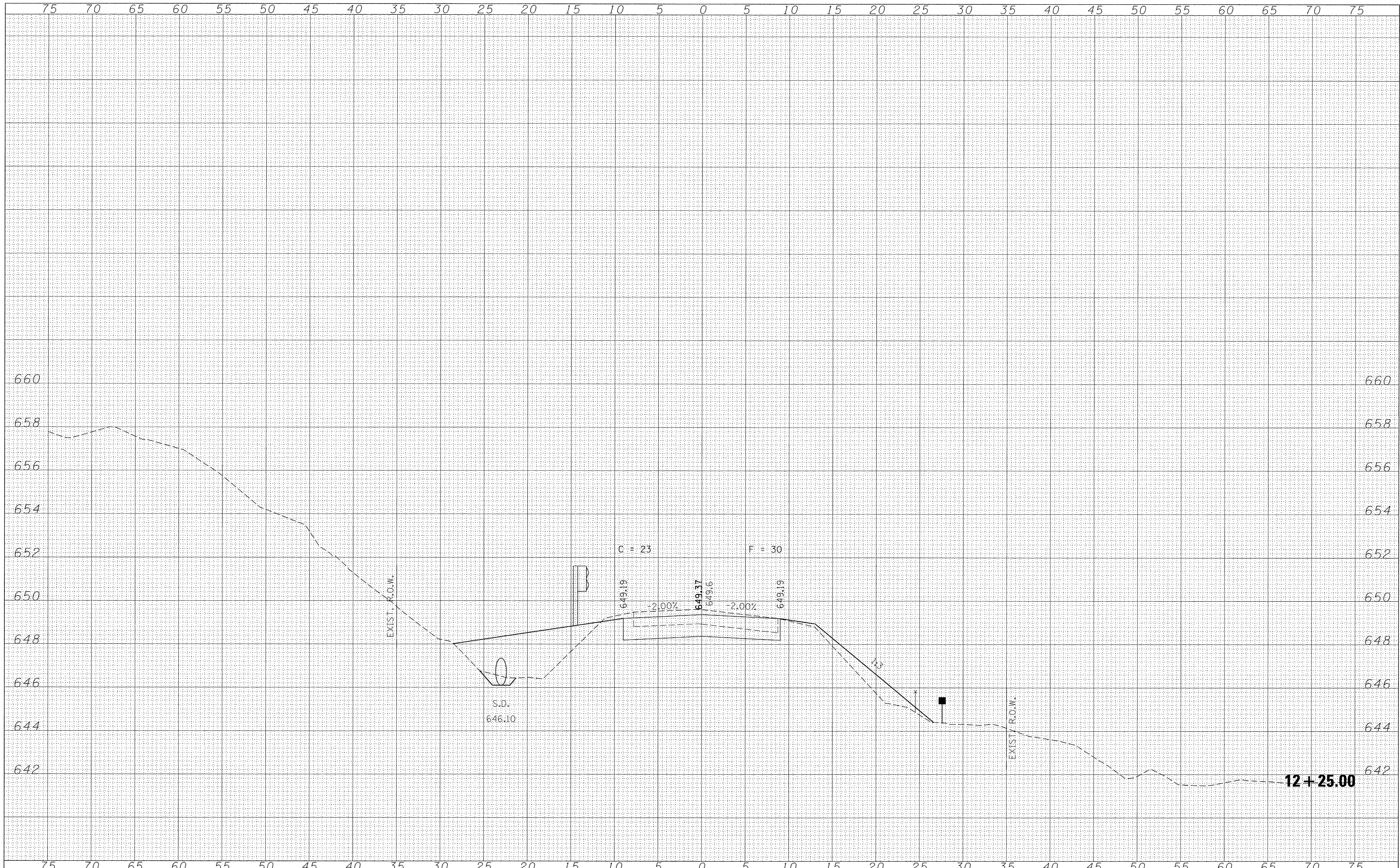
STATION CROSS SECTIONS

SCALE: 5H:2V SHEET NO. 10 OF 15 SHEETS STA. 12+00.00 TO STA. 12+00.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	25
BLOUNT ROAD DISTRICT			CONTRACT NO. 91548	
[ILLINOIS] FED. AID PROJECT BROS-0183(326)				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	NO.		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	NO.		



FILE NAME = 150147-sht-sxs.dgn
HAMPTON, LENZINI AND RENWICK, INC.
 3085 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

USER NAME = #USER#
 DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 04/06/17
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 PLOT DATE = 4/6/2017

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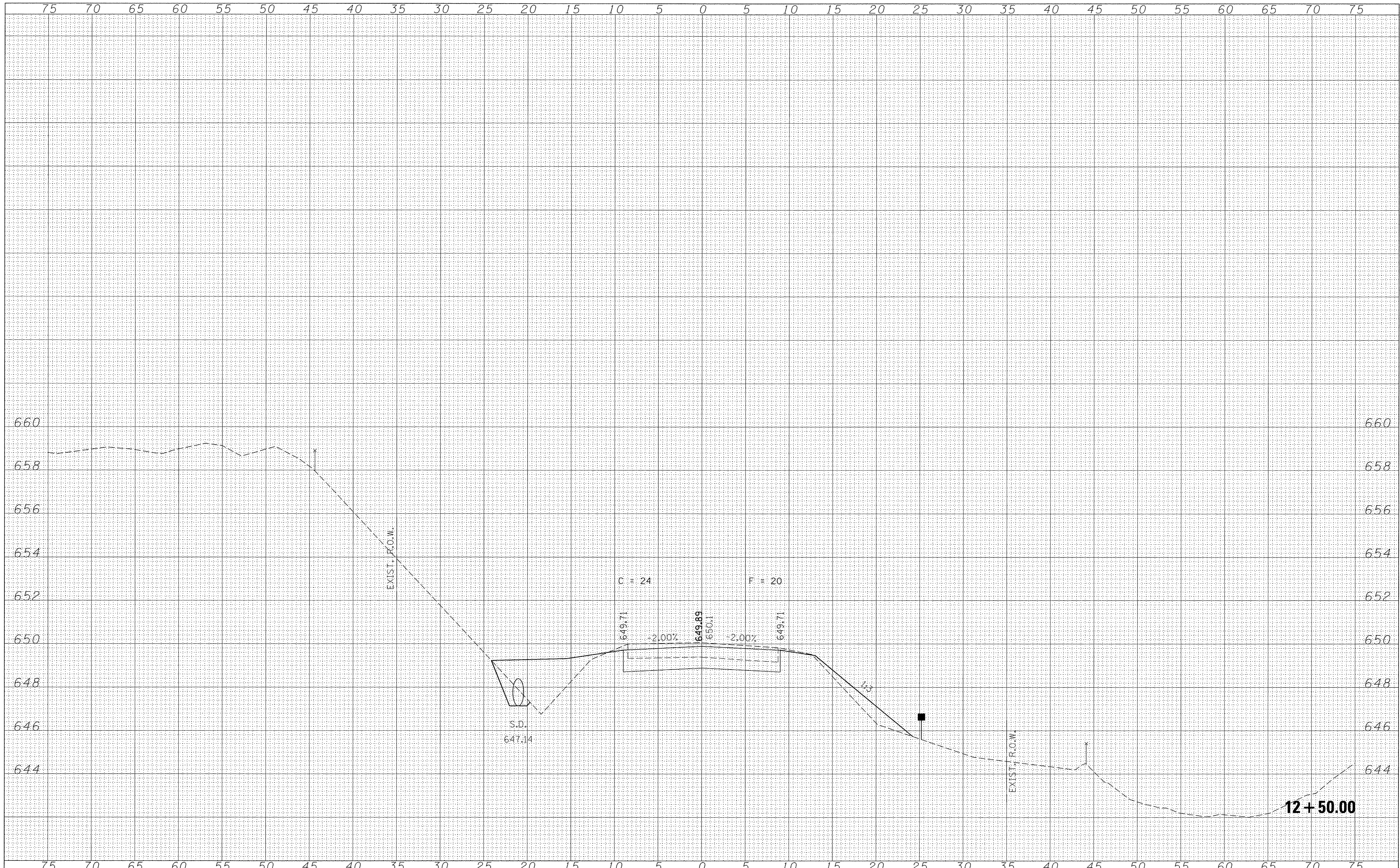
**STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT**

STATION CROSS SECTIONS
 SCALE: 5H:2V
 SHEET NO. 11 OF 15 SHEETS
 STA. 12+25.00 TO STA. 12+25.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	26
BLOUNT ROAD DISTRICT			CONTRACT NO. 91548	
ILLINOIS FED. AID PROJECT BROS-0183(326)				

FINAL SURVEY	DATE
NO. _____	BY _____
NOTE BOOK	
NO. _____	
AREAS CHECKED	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
NO. _____	BY _____
NOTE BOOK	
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AREAS CHECKED	



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HAMPTON, LENZINI AND RENWICK, INC.
 3085 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184-009859

USER NAME = #USER#
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DESIGNED - L.A.P.
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 CHECKED - S.W.M.
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**STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT**

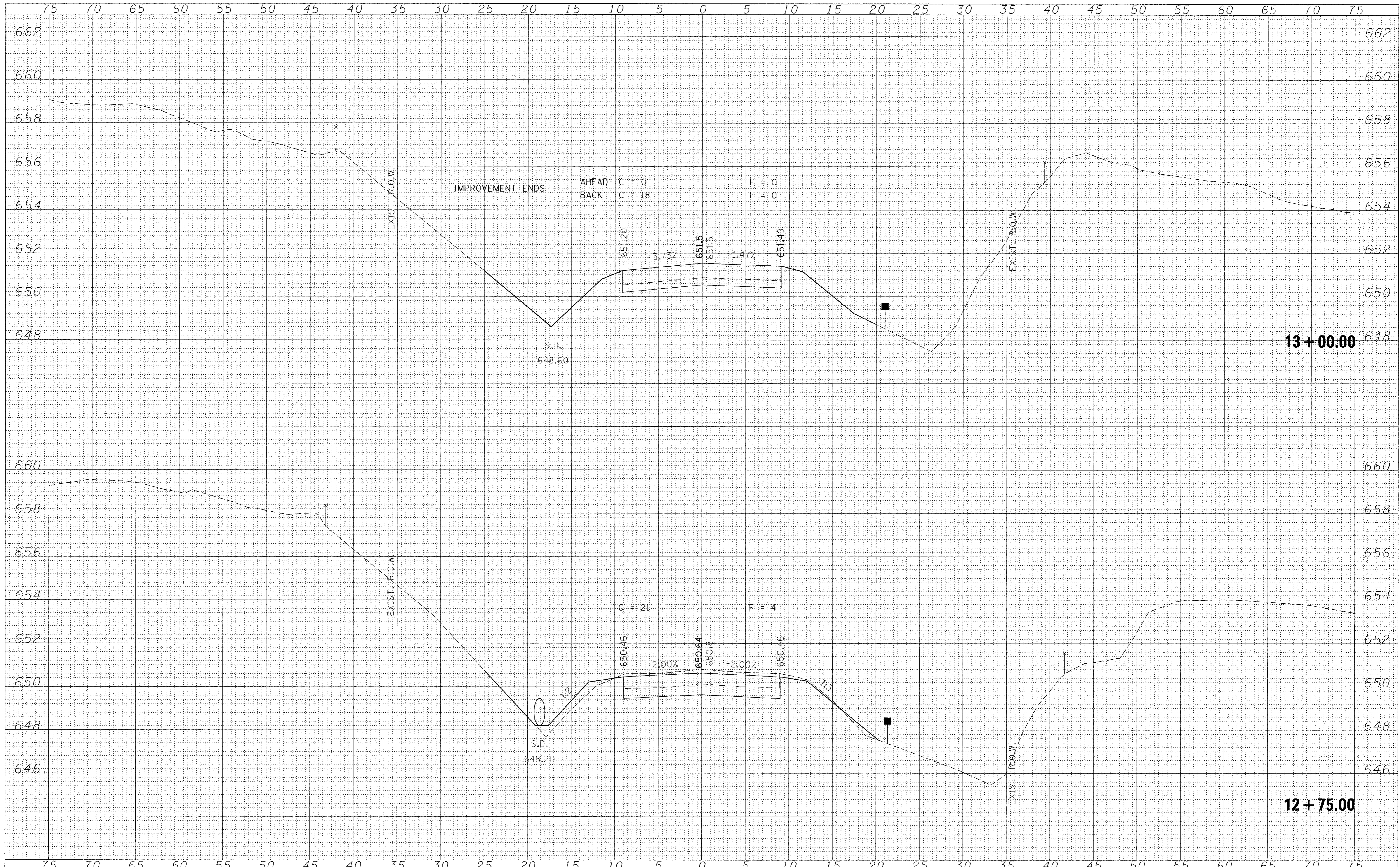
STATION CROSS SECTIONS

SCALE: 5H:2V SHEET NO. 12 OF 15 SHEETS STA. 12+50.00 TO STA. 12+50.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	27
BLOUNT ROAD DISTRICT			CONTRACT NO. 91548	
ILLINOIS FED. AID PROJECT BROS-0183(326)				

DATE	
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FINAL SURVEY	
NOTE BOOK	
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DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
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AREAS CHECKED	



FILE NAME = 150147-ah-t-sxs.dgn
 DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 04/06/17

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 PLOT DATE = 4/6/2017

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**STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT**

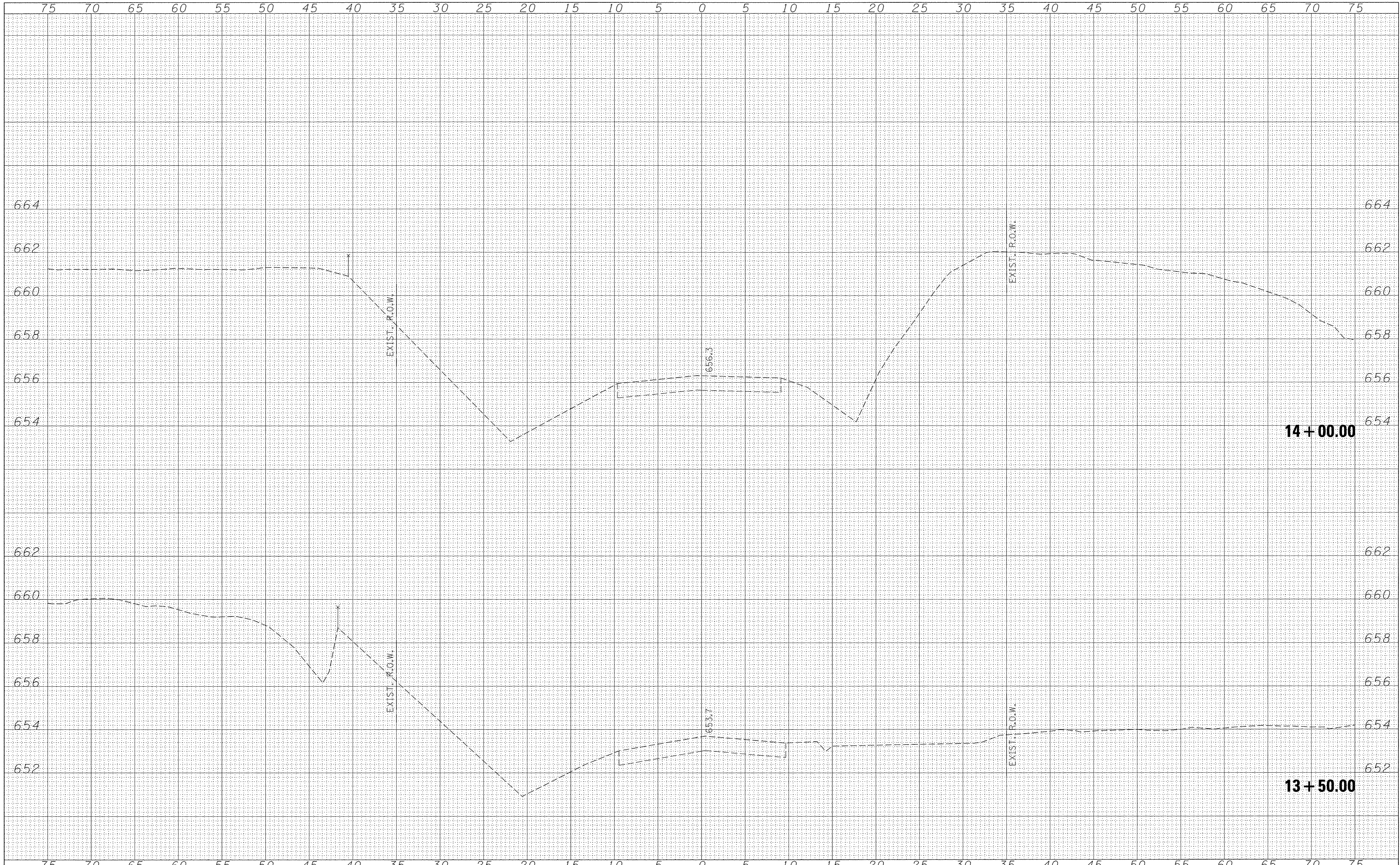
STATION CROSS SECTIONS

SCALE: 5H:2V SHEET NO. 13 OF 15 SHEETS STA. 12+75.00 TO STA. 13+00.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	28
BLOUNT ROAD DISTRICT			CONTRACT NO. 91548	
ILLINOIS FED. AID PROJECT BROS-0183(326)				

FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
TEMPLATE	
AREAS	
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NO.	

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



FILE NAME = 150147-sh1-sxs.dgn
 HAMPSON, LENZINI AND RENWICK, INC.
 3085 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

USER NAME = #USER#
 DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 04/06/17
 PLOT SCALE = \$SCALE#
 PLOT DATE = 4/6/2017

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
 SCALE: 5H:2V
 SHEET NO. 14 OF 15 SHEETS
 STA. 13+50.00 TO STA. 14+00.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	13-01132-00-BR	VERMILION	30	29
BLOUNT ROAD DISTRICT			CONTRACT NO. 91548	
[ILLINOIS] FED. AID PROJECT BROS-018313261				

