

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 261	15-14141-00-BR	VERMILION	36	1
FED. ROAD DIST. NO		ILLINOIS CONTRACT NO 91563		

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	SUMMARY OF QUANTITIES AND GENERAL NOTES
3.	TYPICAL CROSS SECTIONS
4.	PLAN AND PROFILE
5-12.	BRIDGE PLANS
13-14.	BORINGS
15-16.	EXISTING PLANS
17-36.	STATION CROSS SECTIONS

HIGHWAY STANDARDS:

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-03	NAME PLATE FOR BRIDGES
701901-07	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM – BRIDGE

PROJECT V8GM(039)
SECTION 15-14141-00-BR
OAKWOOD ROAD DISTRICT
VERMILION COUNTY

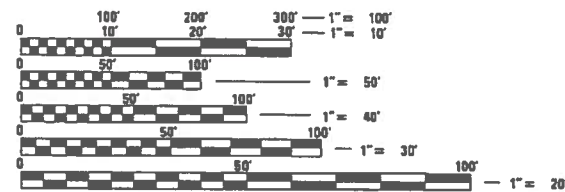
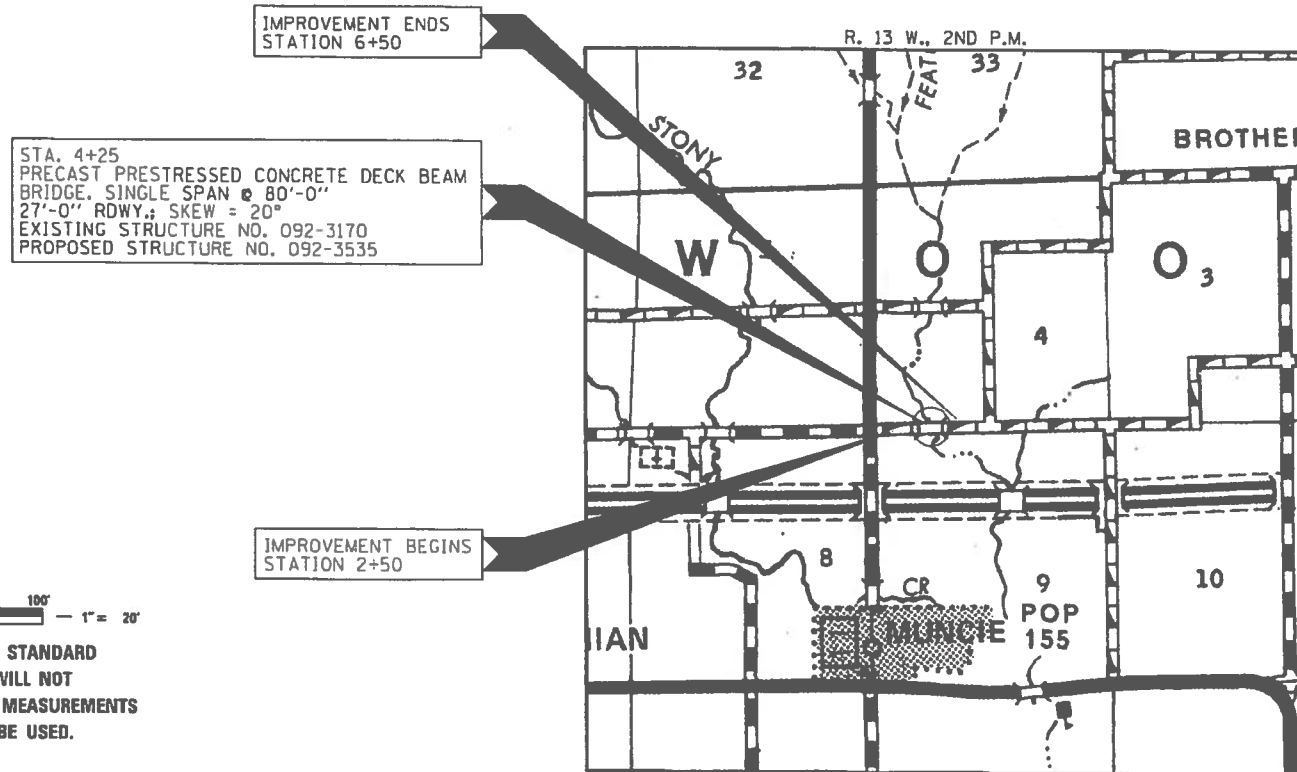
T.R. 261
PROPOSED STRUCTURE NO. 092-3535
C-95-329-17



UTILITIES

AMEREN ILLINOIS
1155 E. VORHEES ST
DANVILLE IL 61832
217-431-9726

AT&T
201 S. NEIL STREET
CHAMPAIGN, IL 61820
217-398-7980



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: 100 ADT

LOCATION MAP

APPROXIMATE SCALE: 0 1/2 MILE
NET LENGTH OF SECTION = 400 FEET = 0.075 MILES



WARNING

CALL 811
BEFORE YOU DIG
DIG NO: X2231422

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED *October 25 2017*
Douglas R. Stuber
COUNTY ENGINEER

APPROVED *OCTOBER 25 2017*
Raymond...
TOWNSHIP COMMISSIONER

PASSED *OCTOBER 31 2017*
...
DISTRICT FIVE ENGINEER OF LOCAL ROADS & STREETS
October 31 2017
...
REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE: 10/24/2017

EXPIRES: 11/30/2017

HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com

194 000889
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / BC CORPORATION

PROJECT NUMBER: 15.0190.130 DATE: 10/24/17

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	CONSTRUCTION
			TYPE CODE 0010 TOTAL
20200100	EARTH EXCAVATION	CU YD	252
20300100	CHANNEL EXCAVATION	CU YD	140
20400800	FURNISHED EXCAVATION	CU YD	155
28000305	TEMPORARY DITCH CHECKS	FOOT	60
^ 28100807	STONE DUMPED RIPRAP, CLASS A4	TON	470
^ 28300400	AGGREGATE DITCH	TON	36
^ 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	450
^ 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	86
50300225	CONCRETE STRUCTURES	CU YD	30.6
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	2,160
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,480
* 50900205	STEEL RAILING, TYPE S1	FOOT	158
51201400	FURNISHING STEEL PILES HP10X42	FOOT	440
51202305	DRIVING PILES	FOOT	440
51203400	TEST PILE STEEL HP10X42	EACH	2
51204650	PILE SHOES	EACH	10
51500100	NAME PLATES	EACH	1
^ 542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	42
^ 542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	96
58700300	CONCRETE SEALER	SQ FT	112
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	75
67100100	MOBILIZATION	LSUM	1
^ 70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	LSUM	1
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
^ X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5
^ XX004566	CONCRETE CUT-OFF WALL	CU YD	6.8
^ Z0013798	CONSTRUCTION LAYOUT	LSUM	1

^ 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 AND REMOVAL OF EXISTING DRAINAGE STRUCTURES 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:

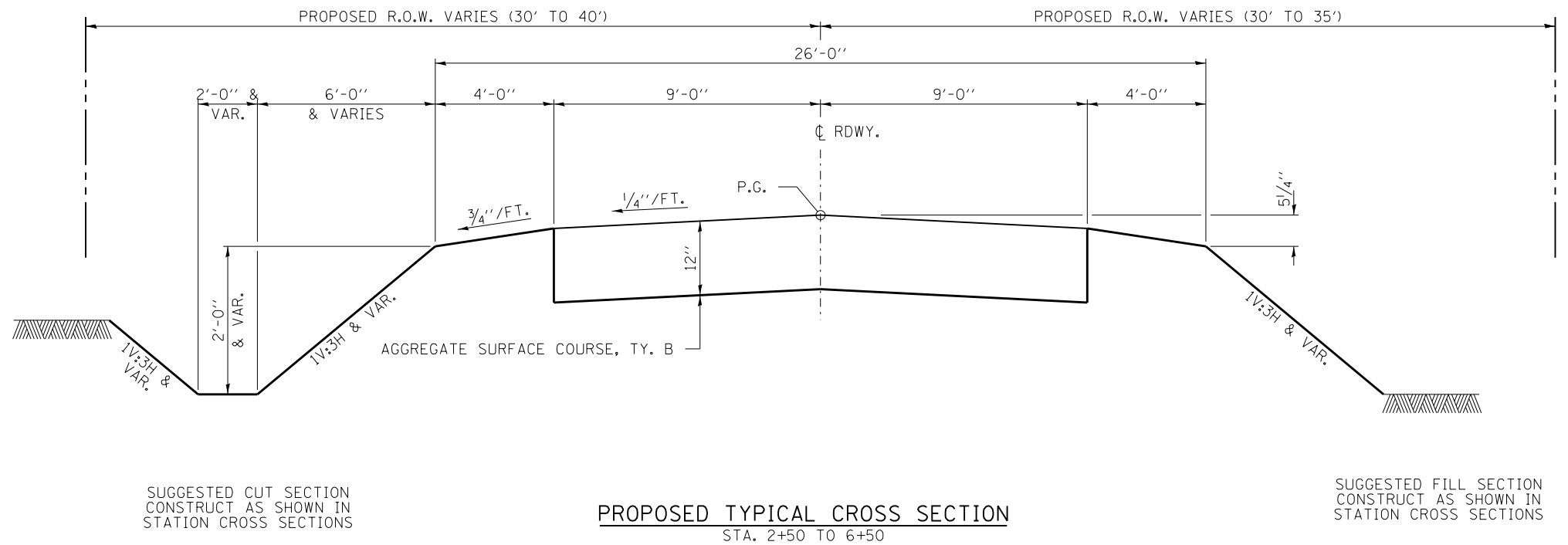
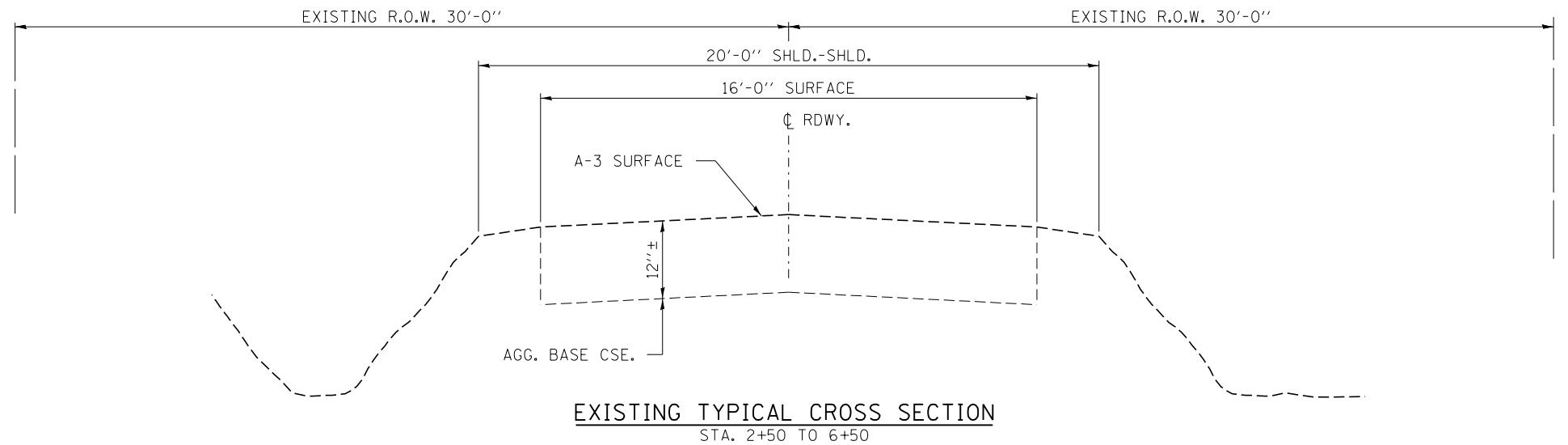
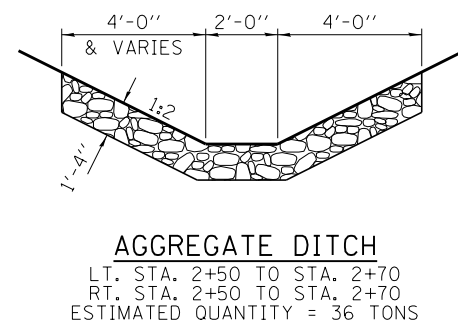
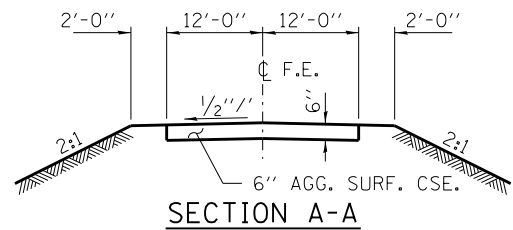
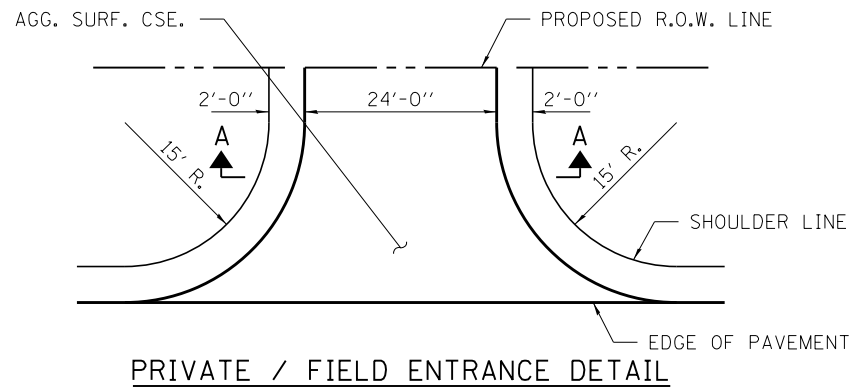
AGGREGATE SURFACE COURSE	1.80 TON/CU YD
STONE DUMPED RIPRAP	1.75 TON/CU YD
AGGREGATE DITCH	1.75 TON/CU YD
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.
ESTIMATED QUANTITY: SEEDING, CLASS 2 (SPECIAL) = 0.5 ACRES
- COMMITMENTS:
 1) NONE

AGGREGATE DITCH	
LOCATION	28300400 TON
TR 261	
LT. STA. 2+50 TO STA 2+70	18
RT. STA 2+50 TO STA 2+70	18
TOTAL	36
USE	36

TEMPORARY DITCH CHECKS	
LOCATION	28300305 FOOT
TR 261	
LT. STA 3+80	15
RT. STA 3+90	15
LT. STA 4.75	15
RT. STA 5+00	15
TOTAL	60
USE	60

LOCATION	EARTHWORK SCHEDULE				EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENT USED			
	20200100 CU.YD.	20300100 CU.YD.					
TR 261							
STA2+50.00 TO STA3+84.30	154		25.00%	100.00%	116	182	-66
STA4+84.30 TO STA4+65.73		140	25.00%	70.00%	74		74
STA4+65.73 TO STA6+50.00	98		25.00%	100.00%	73	236	-163
TOTAL	252	140			263	418	-155
USE	252	140					-155

FURNISHED EXCAVATION 155 CU YD

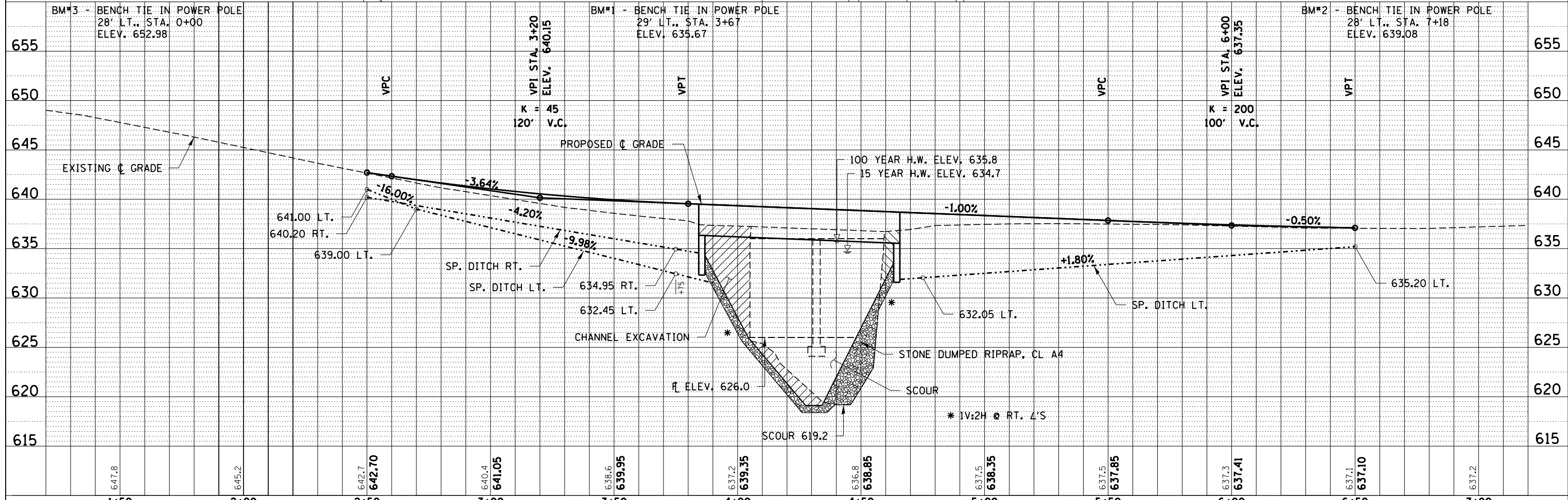
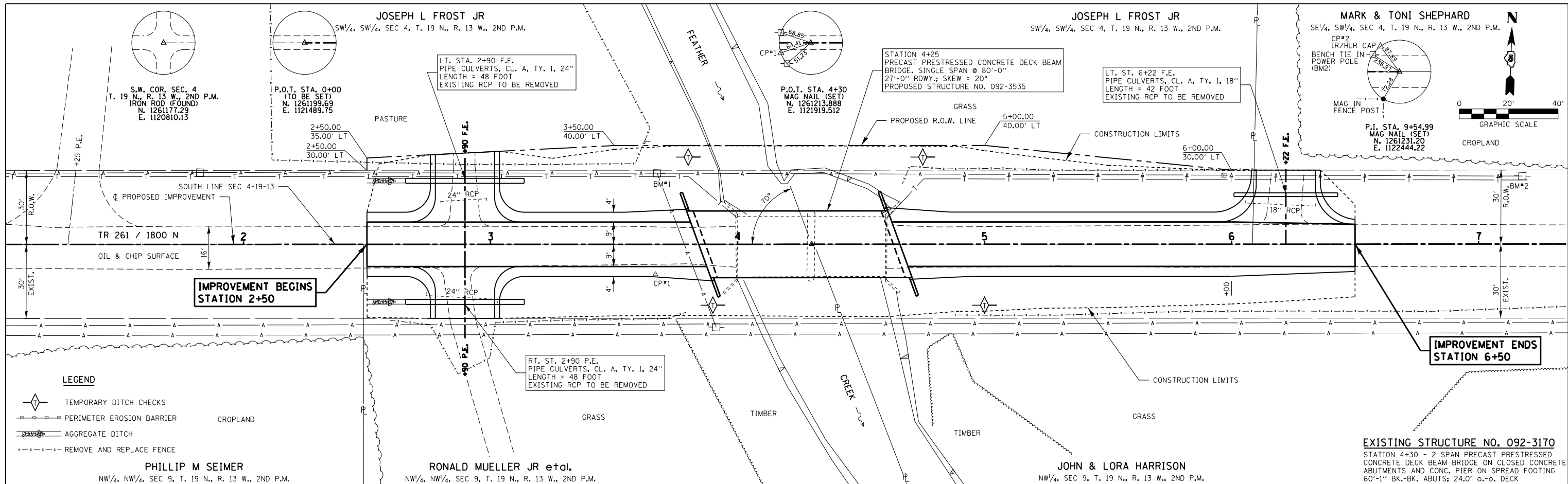


TRANSITIONS FROM THE PROPOSED PAVEMENT TO THE EXISTING PAVEMENT ARE TO BE CONSTRUCTED FROM STA. 2+50 TO 2+70 AND STA. 6+00 TO 6+50. SEE SHEET 5 FOR TRANSITION AT BRIDGE.

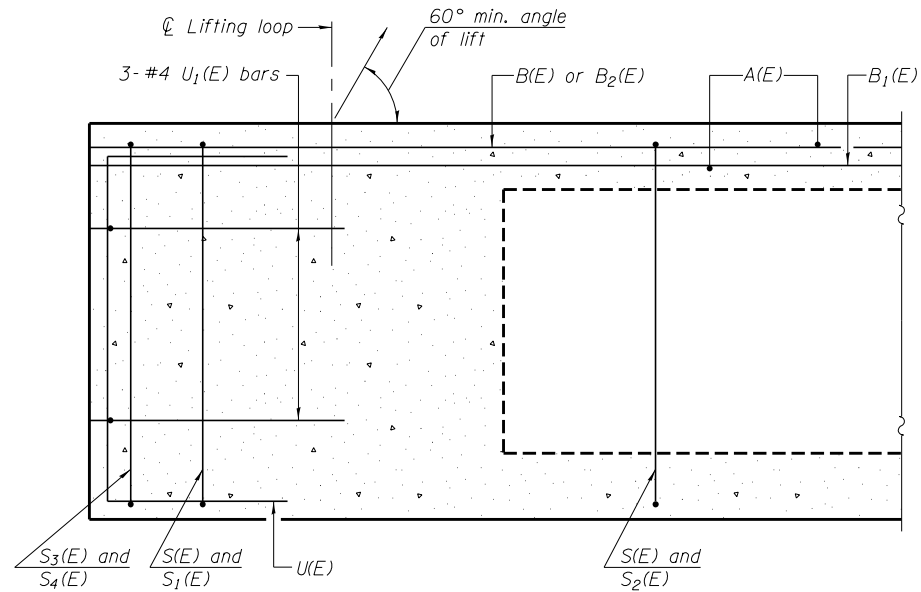
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HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = *SCALE*	DRAWN - R.D.H.	REVISED -					261	15-14141-00-BR	VERMILION	36	3
PLOT DATE = 10/24/2017	DATE = 10/24/17	CHECKED - S.W.M.	REVISED -		OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563				
		DATE = 10/24/17	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT V8GM0391			

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	

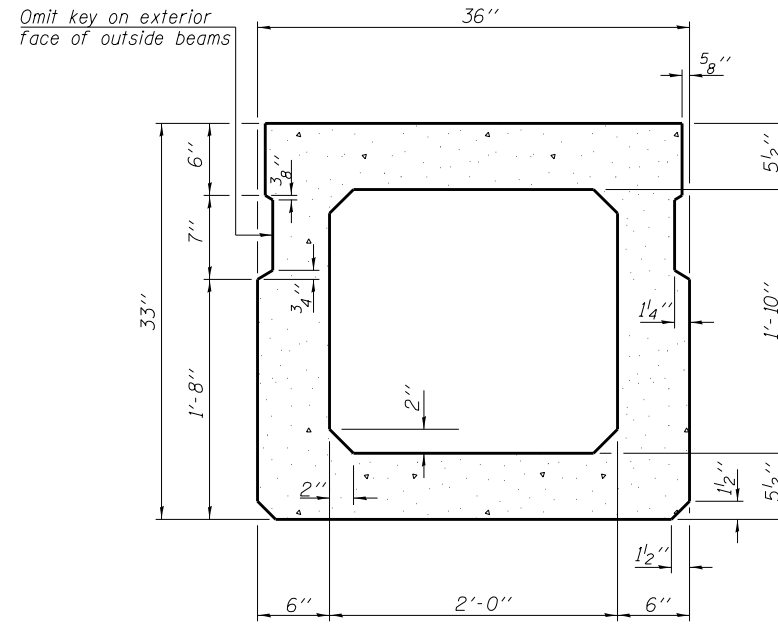
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DATE	
BY	
PLAN	
NO.	



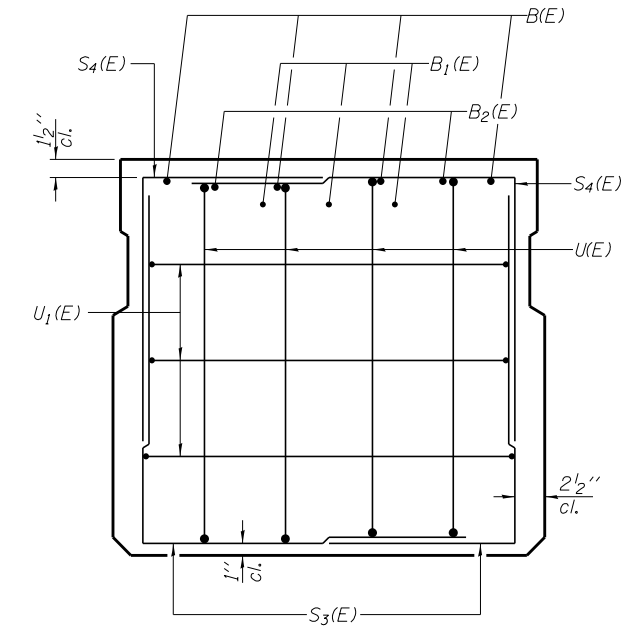
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HAMPTON, LENZINI AND RENWICK, INC. 3066 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = *SCALE*	CHECKED - S.W.M.	REVISED -			261	15-14141-00-BR	VERMILION	36	4
PLOT DATE = 10/24/2017	DATE = 10/24/17	REVISED -	REVISED -			OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563	
						ILLINOIS FED. AID PROJECT V8GM039J				



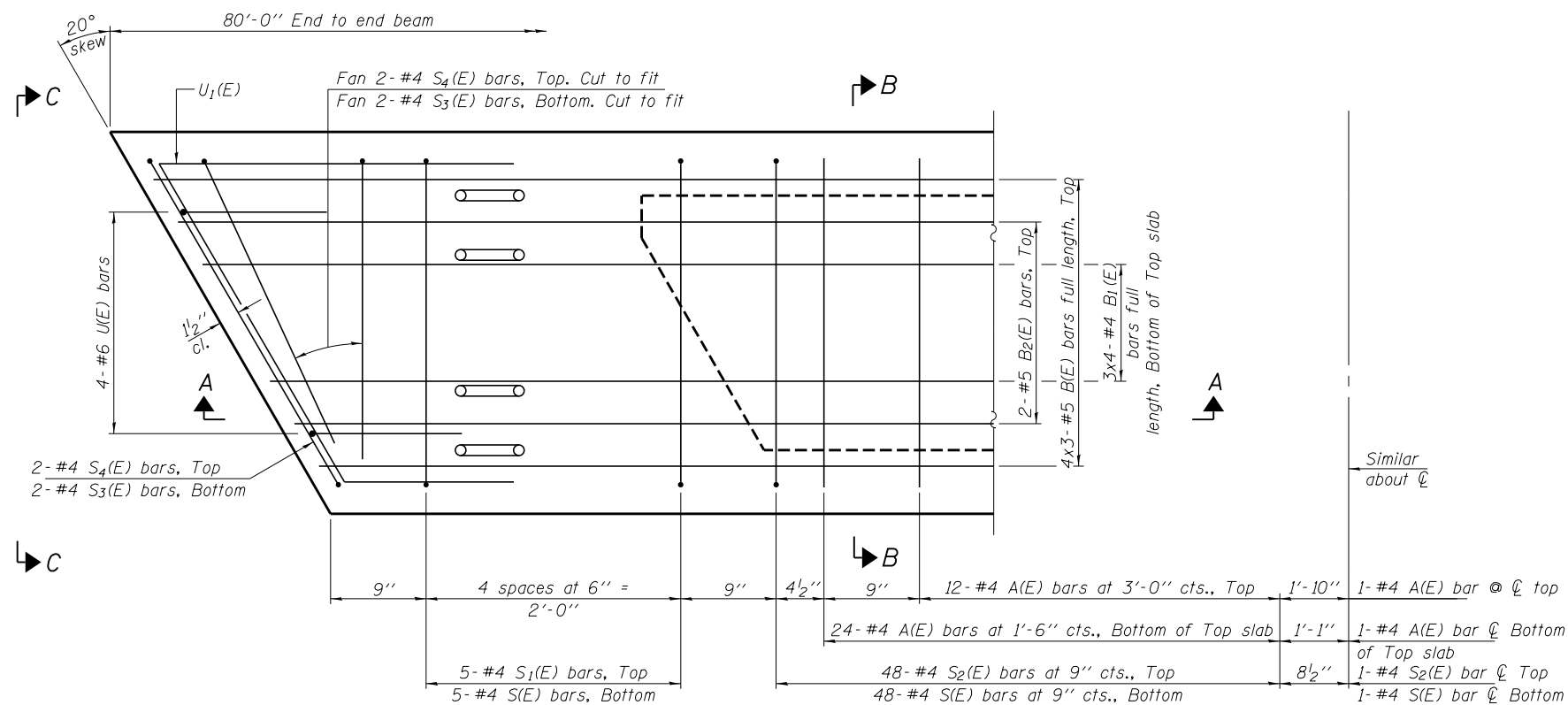
SECTION A-A



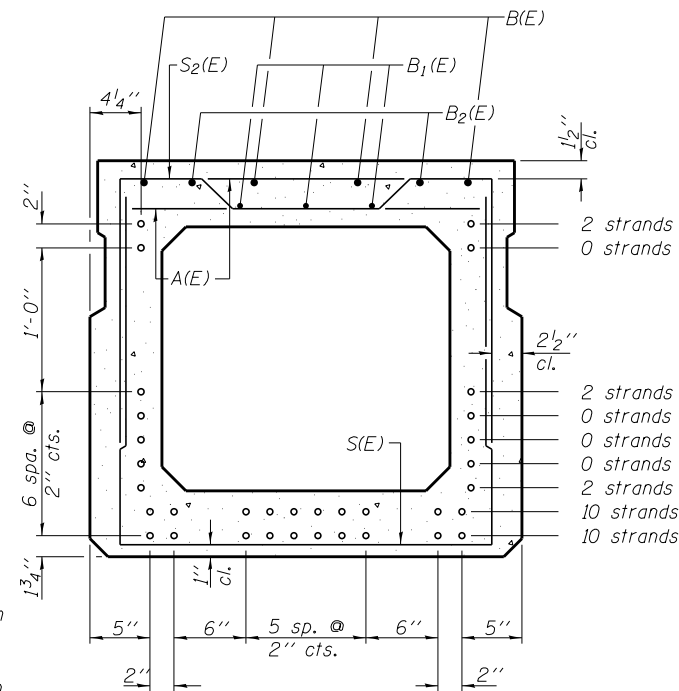
SECTION B-B
(Showing dimensions)



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)	74	#4	2'-7"	—
B(E)	12	#5	28'-3"	—
B1(E)	12	#4	21'-5"	—
B2(E)	4	#5	10'-0"	—
S(E)	107	#4	7'-8"	U
S1(E)	10	#4	6'-5"	U
S2(E)	97	#4	6'-8"	U
S3(E)	8	#4	5'-0"	U
S4(E)	8	#4	4'-4"	U
U(E)	8	#6	5'-0"	U
U1(E)	6	#4	6'-1"	U

Note: See sheets 3 & 4 of 12 for additional details and Bill of Material.

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 4x3-#5 etc. indicates 4 lines of bars with 3 lengths per line.

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

PD-3336-R

6-8-15

FILE NAME = 150190-sht-bridge.dgn	USER NAME =	DESIGNED - L.A.P.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	DESIGNED - S.W.M.	CHECKED - S.W.M.	REVISED -
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PLOT DATE = 10/24/2017	CHECKED - S.W.M.	REVISED -	REVISED -

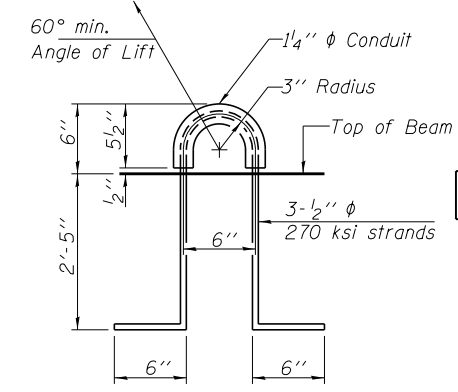
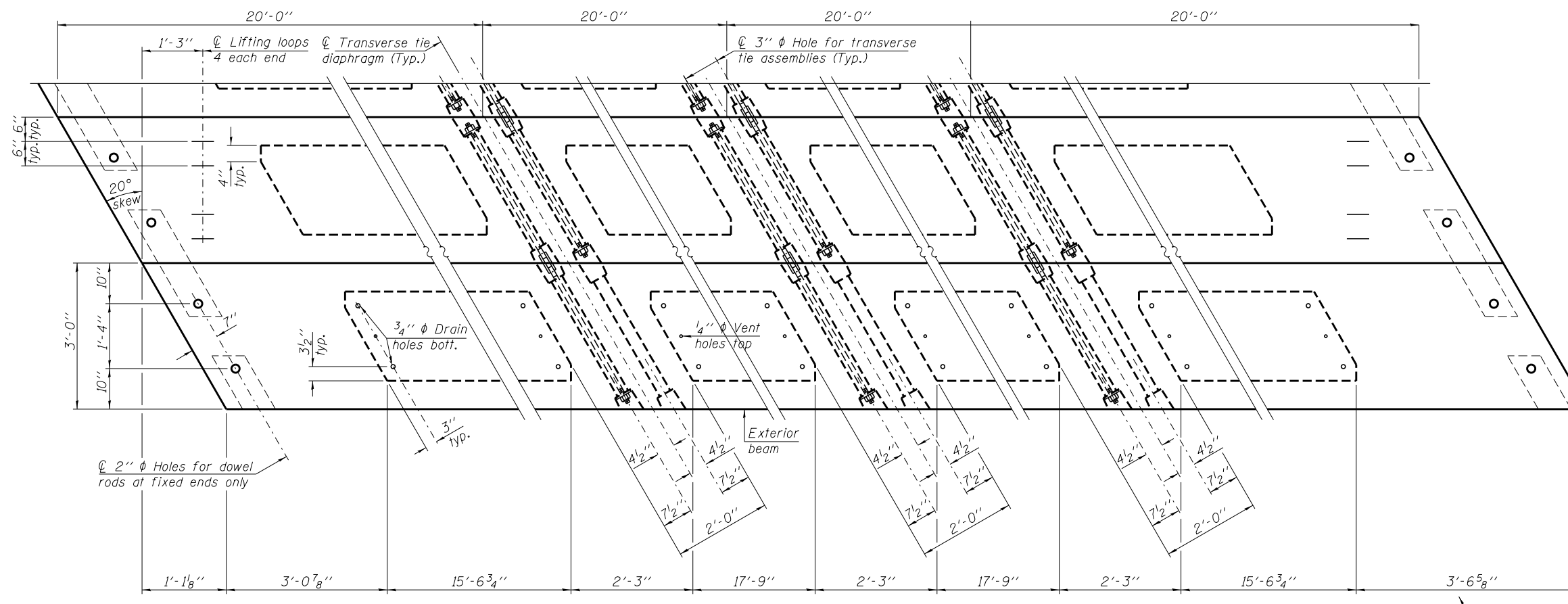
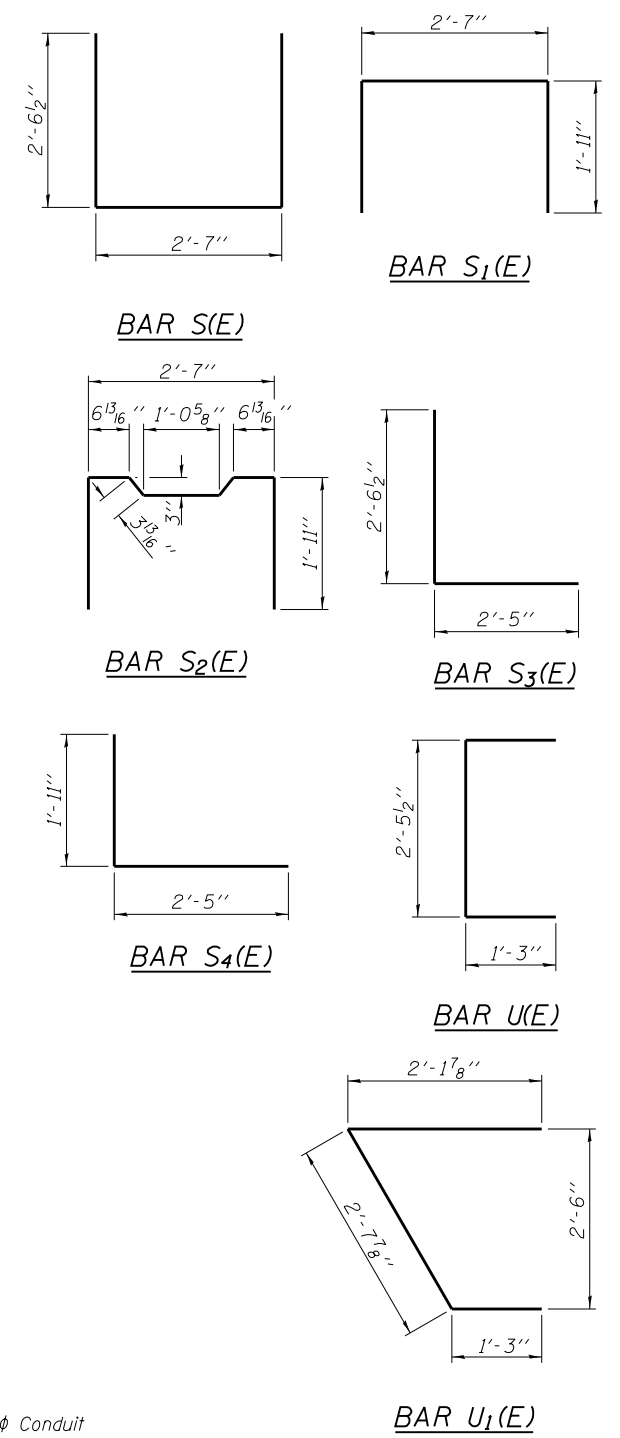
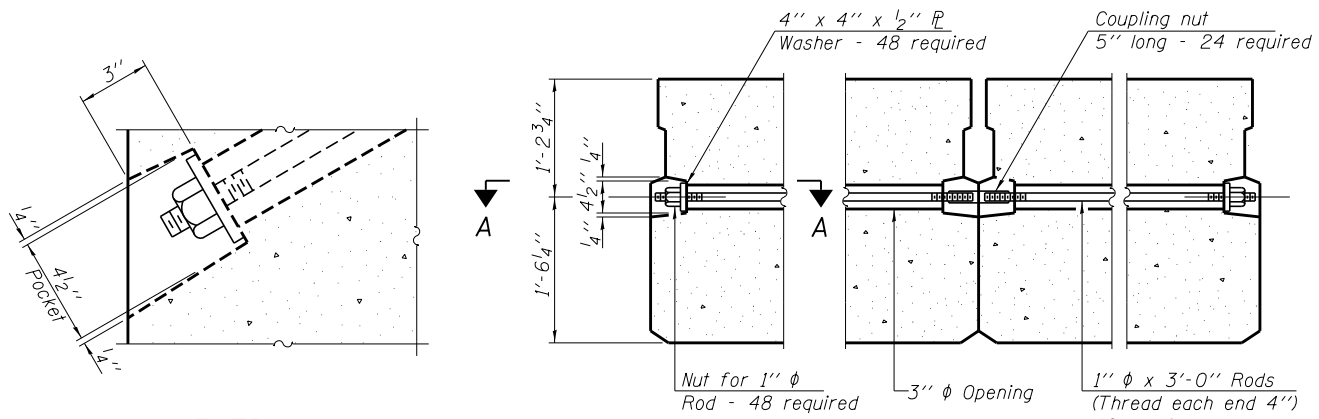
STATE OF ILLINOIS
VERMILION COUNTY HIGHWAY DEPARTMENT

33" x 36" PPC DECK BEAM
STRUCTURE NO. 092-3535

SHEET NO. 2 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
261	15-14141-00-BR	VERMILION	36	6
OAKWOOD ROAD DISTRICT		CONTRACT NO. 91563		

ILLINOIS FED. AID PROJECT VBGM039J



BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (33" depth)	Sq. Ft.	2,160
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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" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" φ 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" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2 1/2" φ 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.

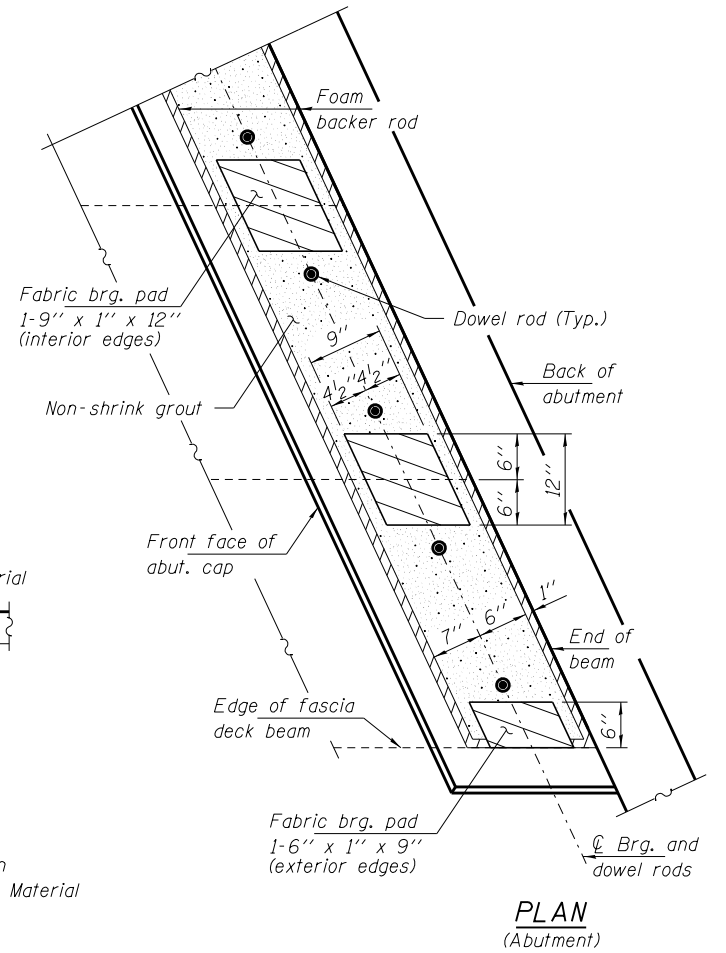
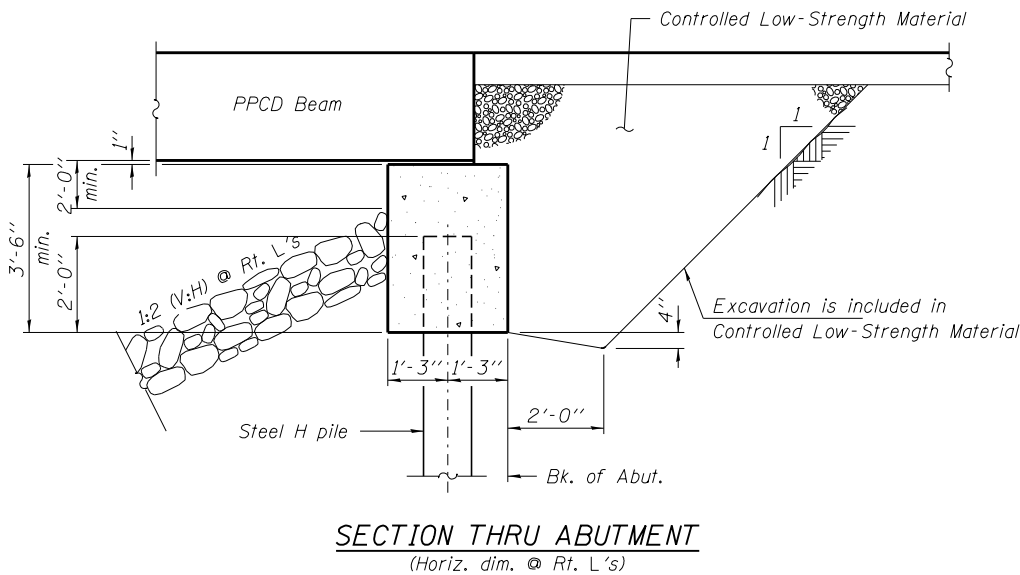
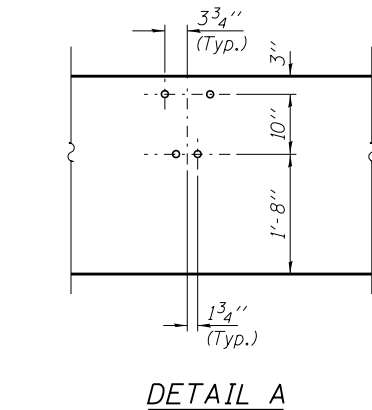
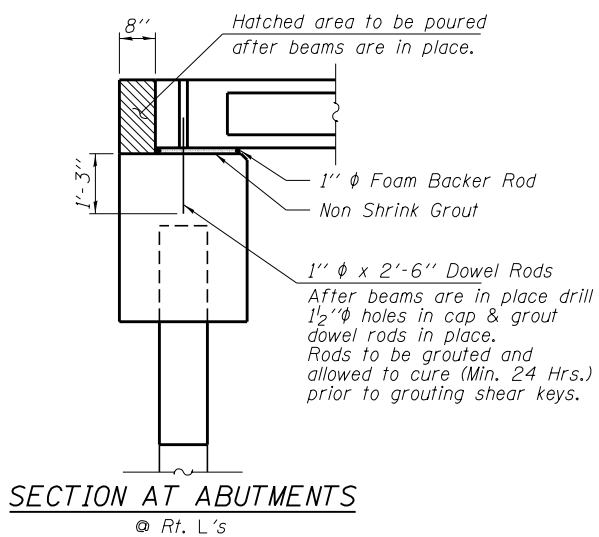
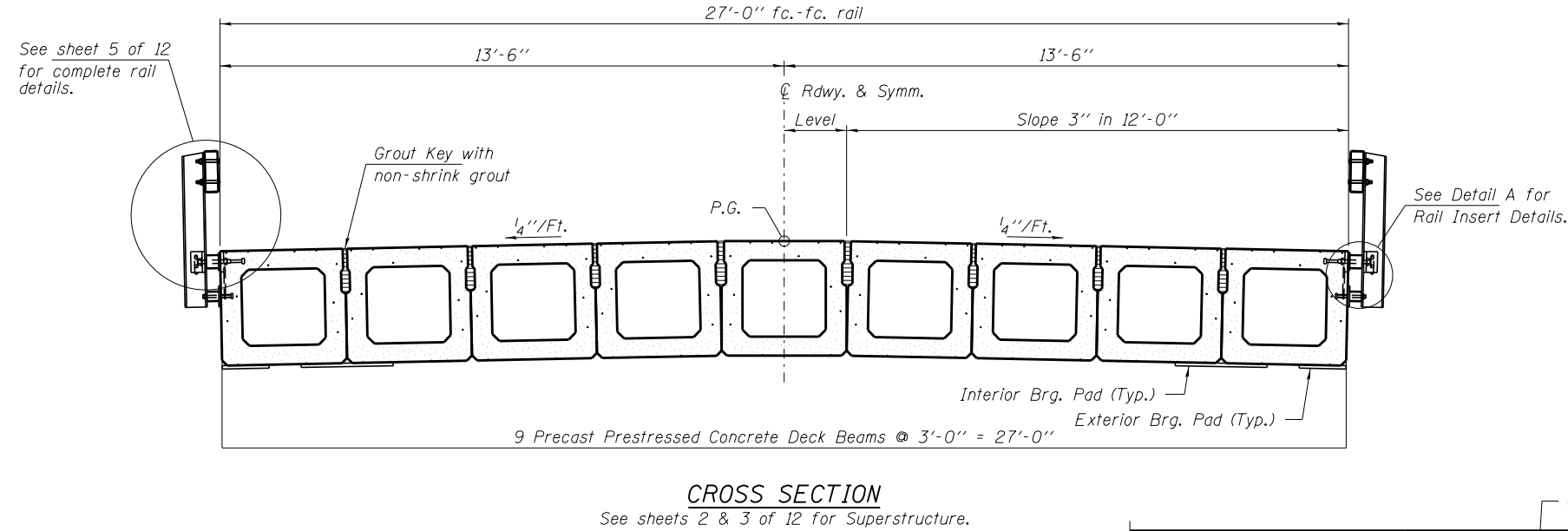
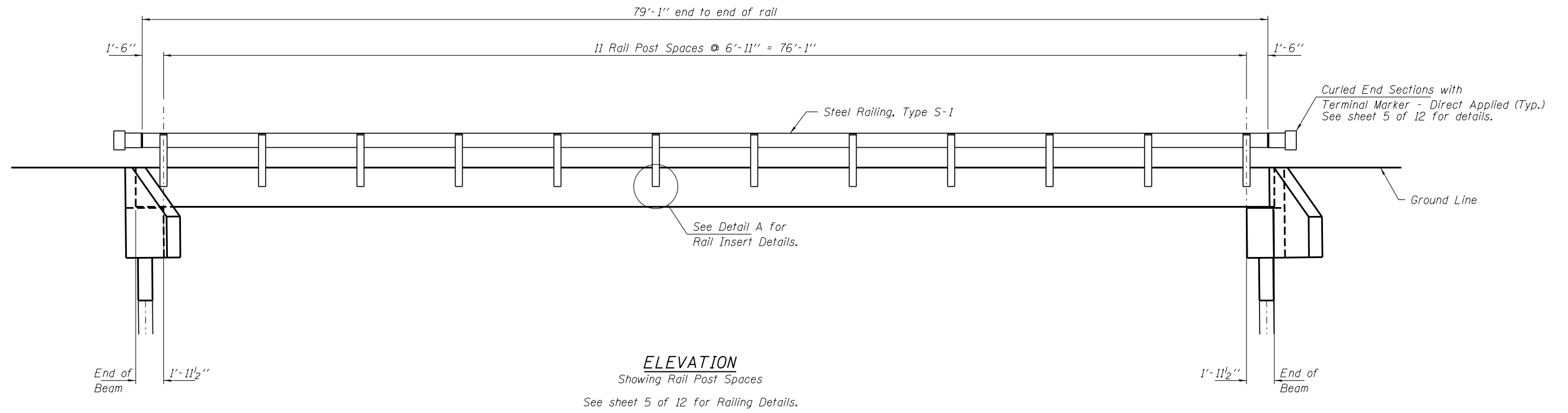
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

All reinforcement bars designated (E) shall be epoxy coated.

PD-3336-RD 1-28-16

FILE NAME = 150190-sht-bridge.dgn	DESIGNED - L.A.P.	REVISOR -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	33" x 36" PPC DECK BEAM DETAILS STRUCTURE NO. 092-3535	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L5 / PE / SE CORP. 184.000959	CHECKED - S.W.M.	REVISOR -			261	15-14141-00-BR	VERMILION	36	7
PLOT SCALE =	DRAWN - R.D.H.	REVISOR -			OAKWOOD ROAD DISTRICT	CONTRACT NO. 91563			
PLOT DATE = 10/24/2017	CHECKED - S.W.M.	REVISOR -			ILLINOIS FED. AID PROJECT V8CM039J				

SHEET NO. 3 OF 12 SHEETS



Notes:
The bearing seat surfaces shall be adjusted by shimming the bearing to assure firm and even bearing prior to placement of grout. 2-1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shown shall be provided for each bearing.

FILE NAME = 150190-sht-bridge.dgn	USER NAME =	DESIGNED - L.A.P.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
	PLOT DATE = 10/24/2017	CHECKED - S.W.M.	REVISED -

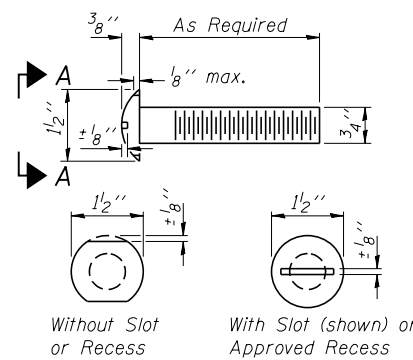
STATE OF ILLINOIS
VERMILION COUNTY HIGHWAY DEPARTMENT

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 092-3535

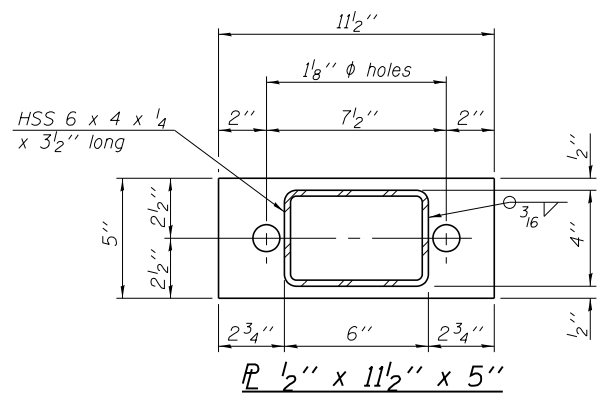
SHEET NO. 4 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
261	15-14141-00-BR	VERMILION	36	8
OAKWOOD ROAD DISTRICT		CONTRACT NO. 91563		

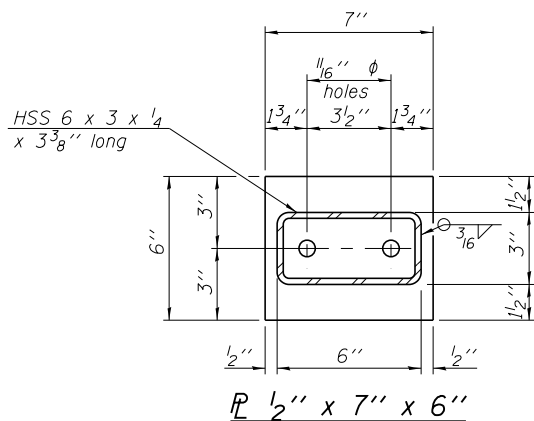
ILLINOIS FED. AID PROJECT VBGM039J



VIEW A-A
ROUND HEAD BOLT

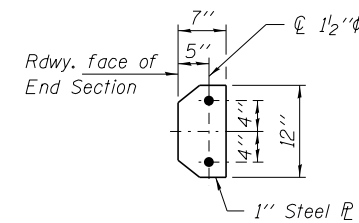


SECTION B-B
R 1 1/2" x 11 1/2" x 5"

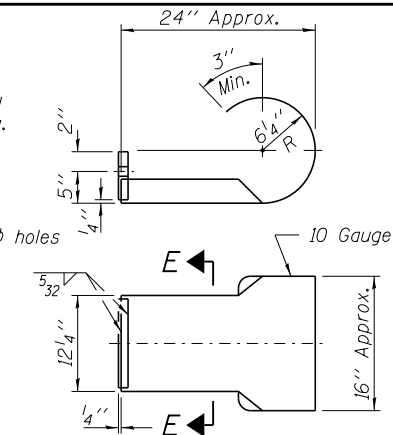


SECTION C-C
R 1 1/2" x 7" x 6"

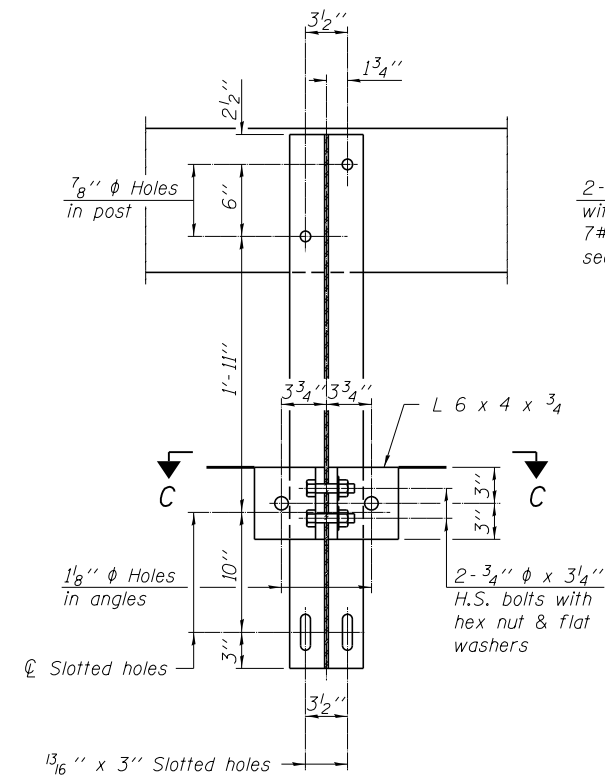
Note: Cost of curled end sections shall be included with the Steel Railing. (4 Required)



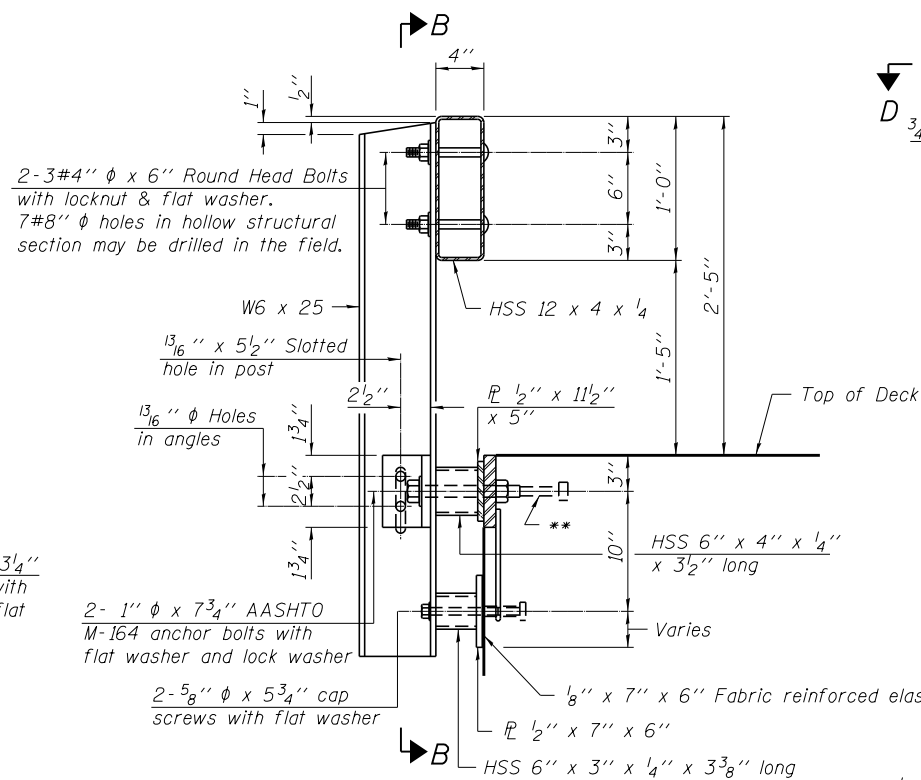
SECTION E-E



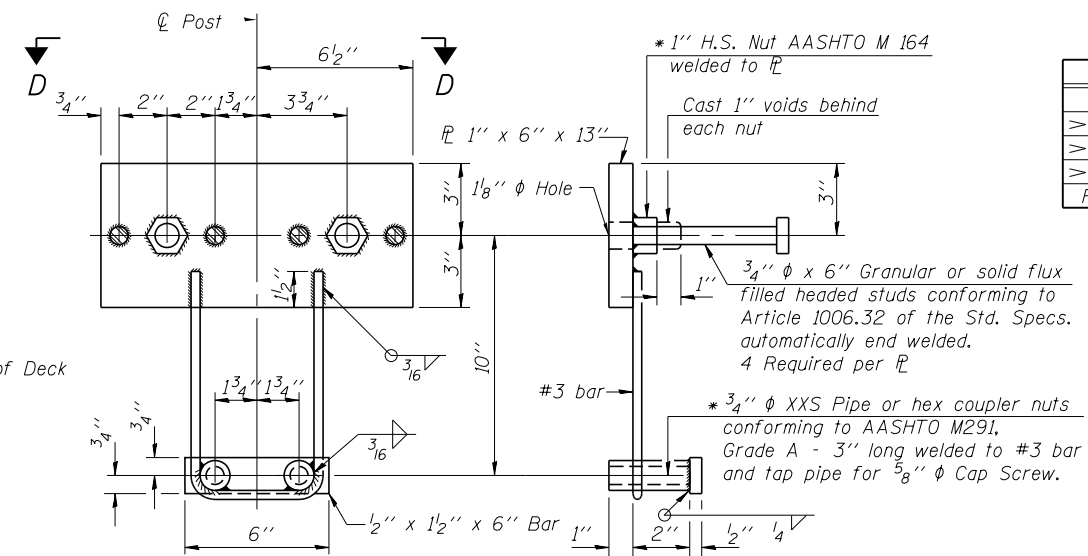
CURLLED END SECTION DETAILS



SECTION B-B



SECTION AT RAILING POST



ANCHOR DEVICE

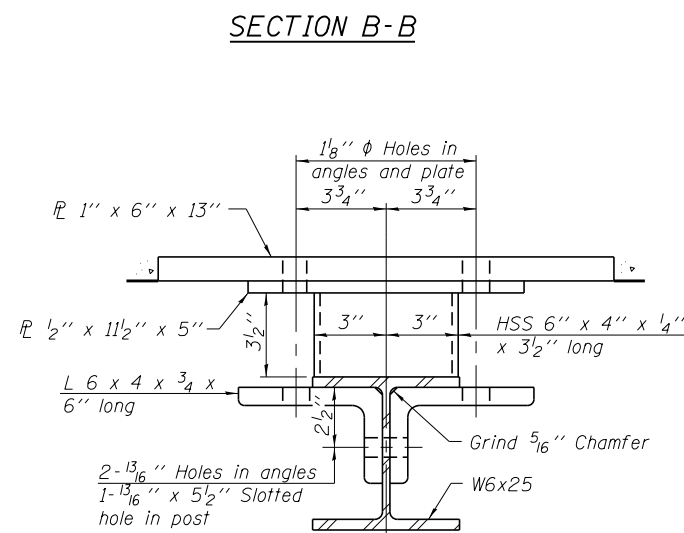
SPLICE DIMENSIONS

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

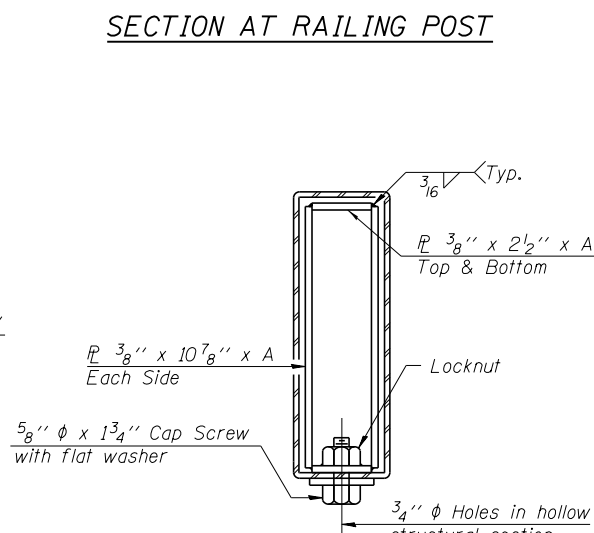
T = Total movement at expansion joint as shown on the design plans.

Notes:
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

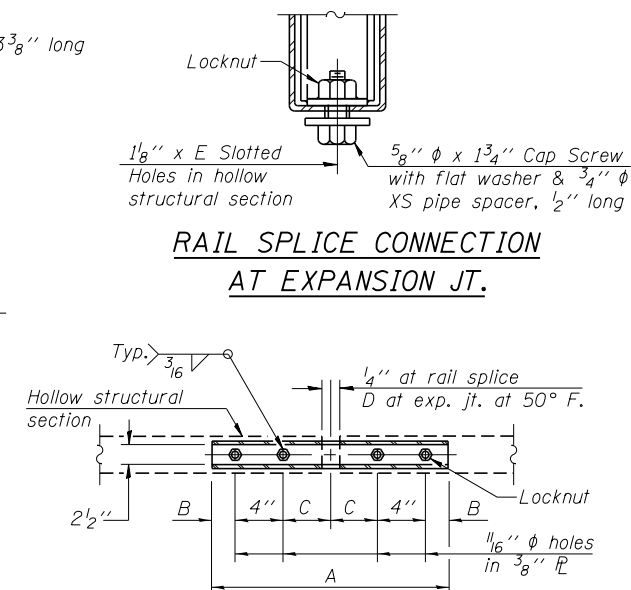
* The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.



SECTION C-C

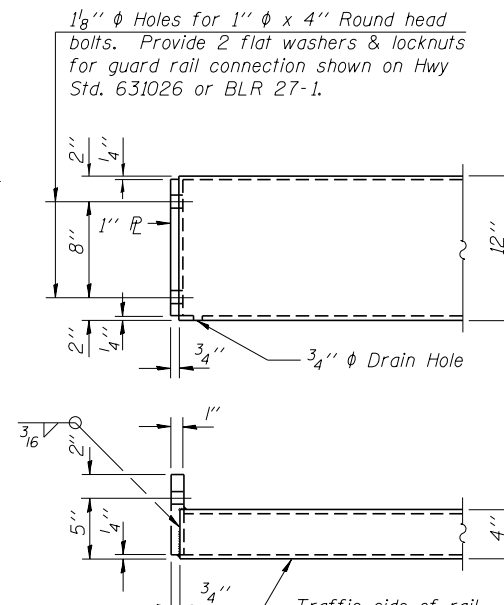


SECTIONS AT RAIL SPLICE

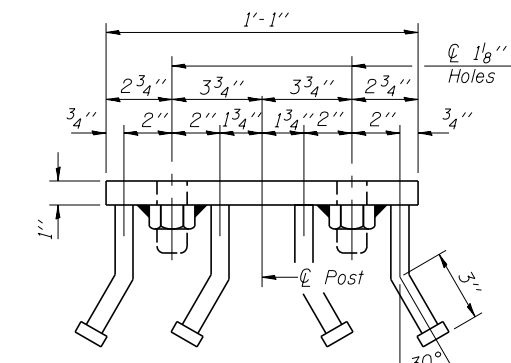


RAIL SPLICE CONNECTION AT EXPANSION JT.

PLAN-BOTT. SPLICE TYPICAL



END OF RAIL DETAILS



VIEW D-D

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	158

R-23A

2-17-17

(10'-9" Maximum Post Spacing)

FILE NAME = 150190-sht-bridge.dgn	USER NAME =	DESIGNED - L.A.P.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -
3085 STEVENSON DRIVE, SUITE 201		DRAWN - R.D.H.	REVISED -
SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM			
LS / PE / SE CORP. 184.000959			

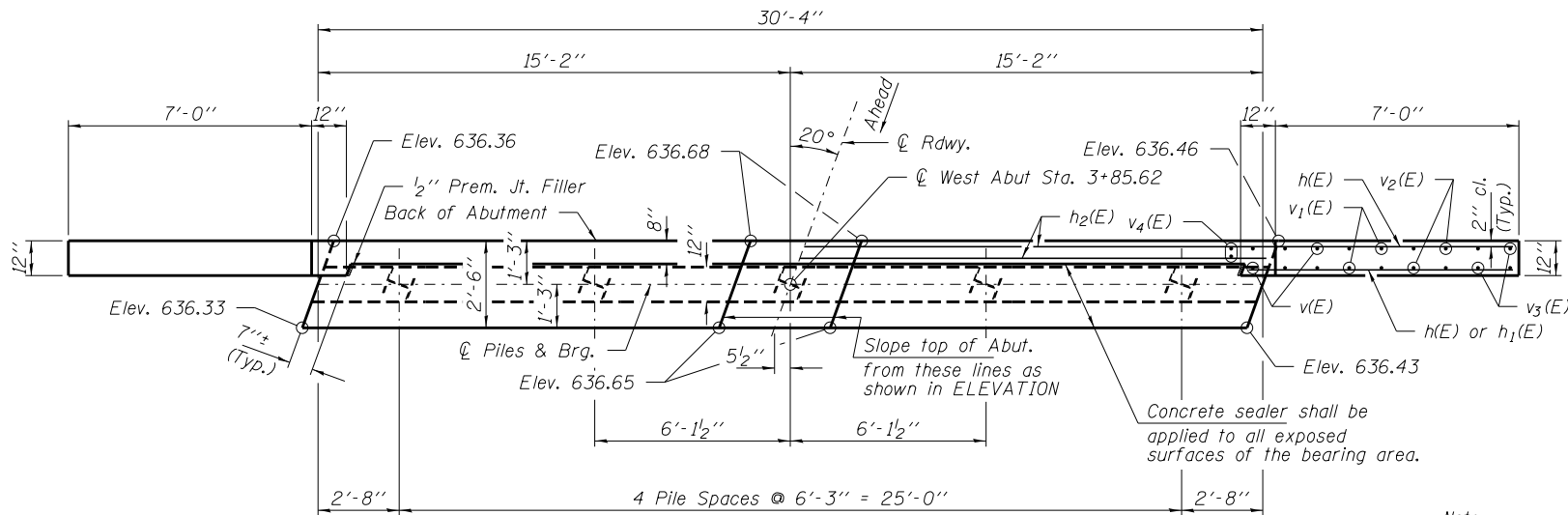
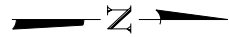
STATE OF ILLINOIS
VERMILION COUNTY HIGHWAY DEPARTMENT

STEEL RAILING, TYPE S-1
STRUCTURE NO. 092-3535

SHEET NO. 5 OF 12 SHEETS

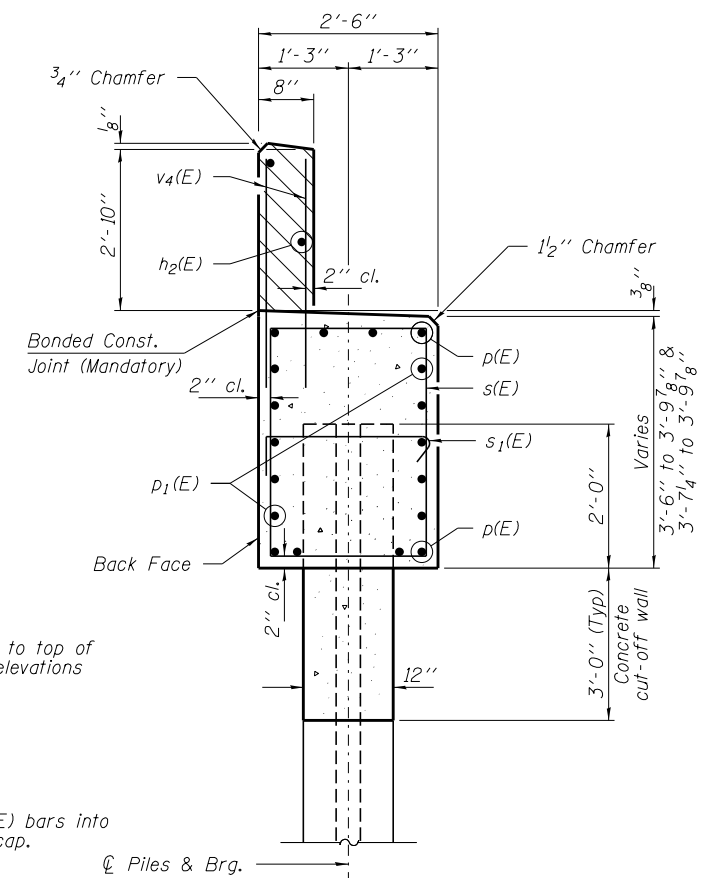
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
261	15-14141-00-BR	VERMILION	36	9
OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563	

ILLINOIS FED. AID PROJECT VBGM0391



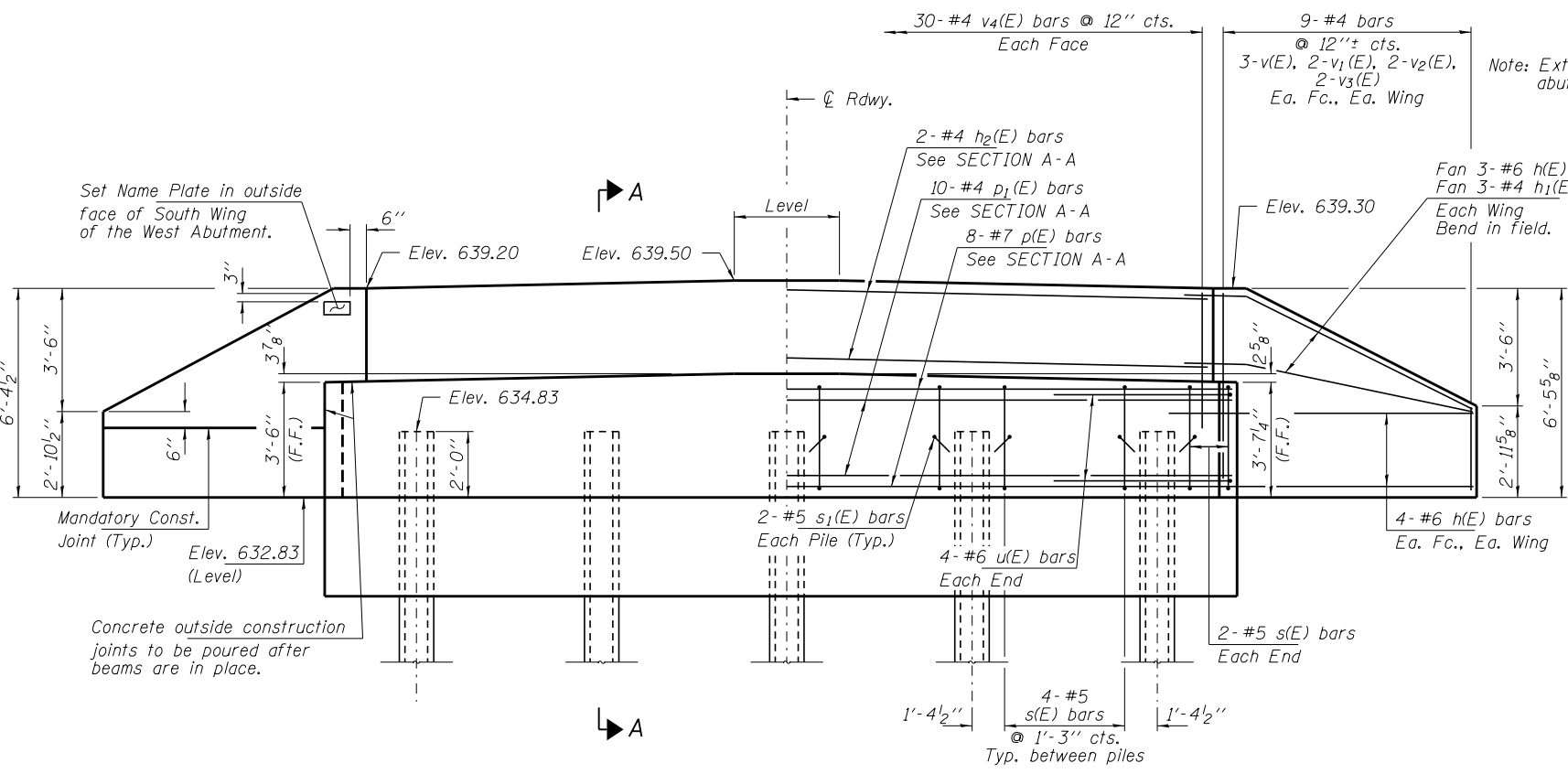
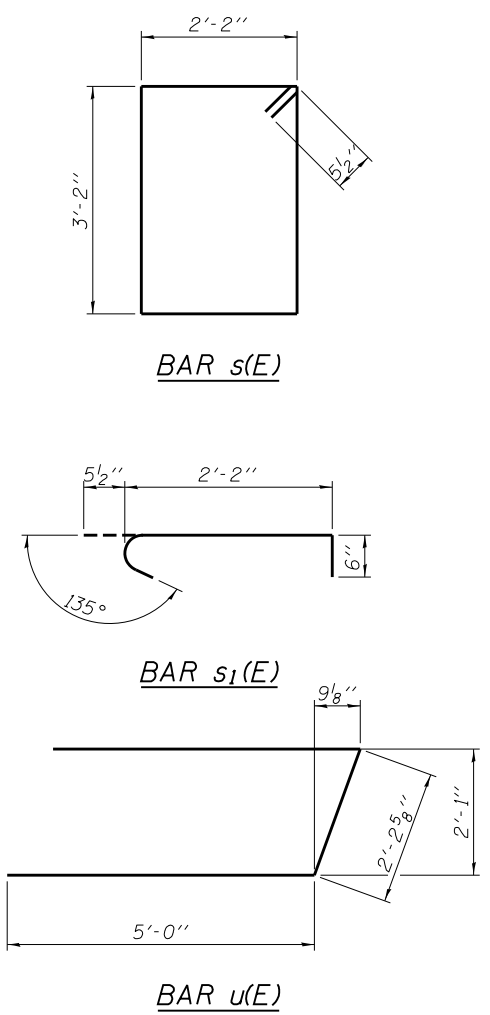
PLAN

Note: Elevations in PLAN are to top of concrete cap. Backwall elevations are to top of wall.



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.



ELEVATION
(Looking West)

Note: Extend h(E) bars into abutment cap.

PILE DATA

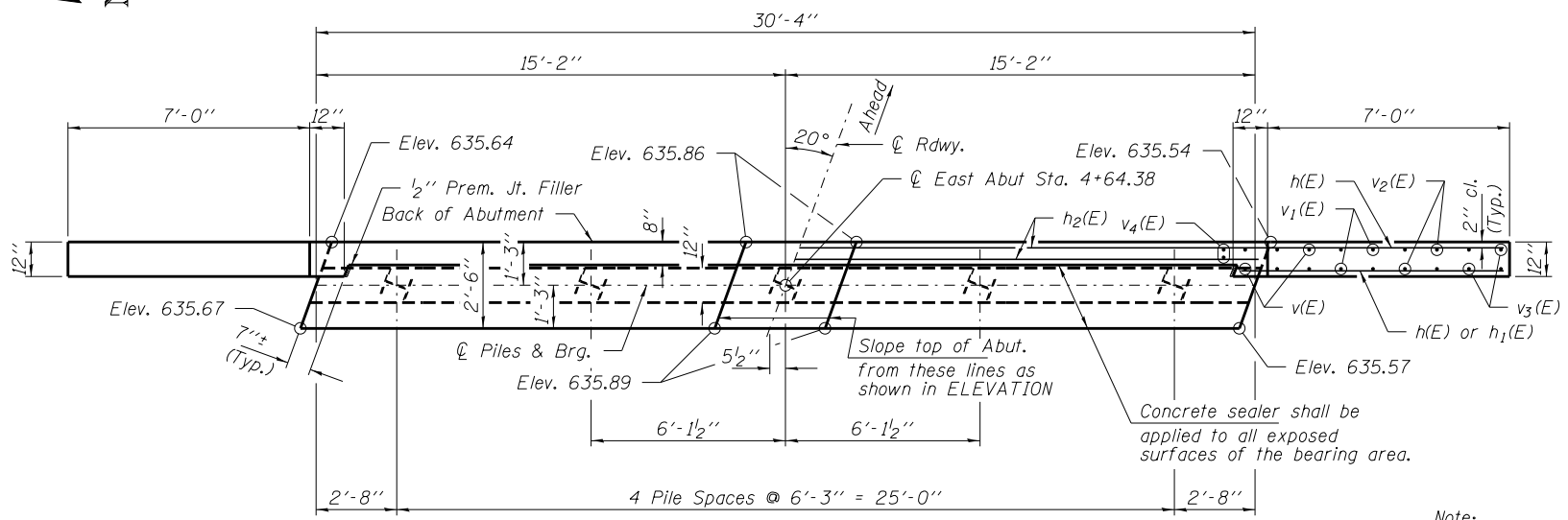
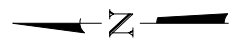
Type ----- Steel Piles HPI0x42 w/Pile Shoes
 No. Req'd. (W. Abut.) ----- *5
 Factored Resistance Available (Rf) ----- 184 Kips/Pile
 Nominal Required Bearing (Rn) ----- 335 Kips/Pile
 Est. Length ----- 55 Ft/Pile

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.

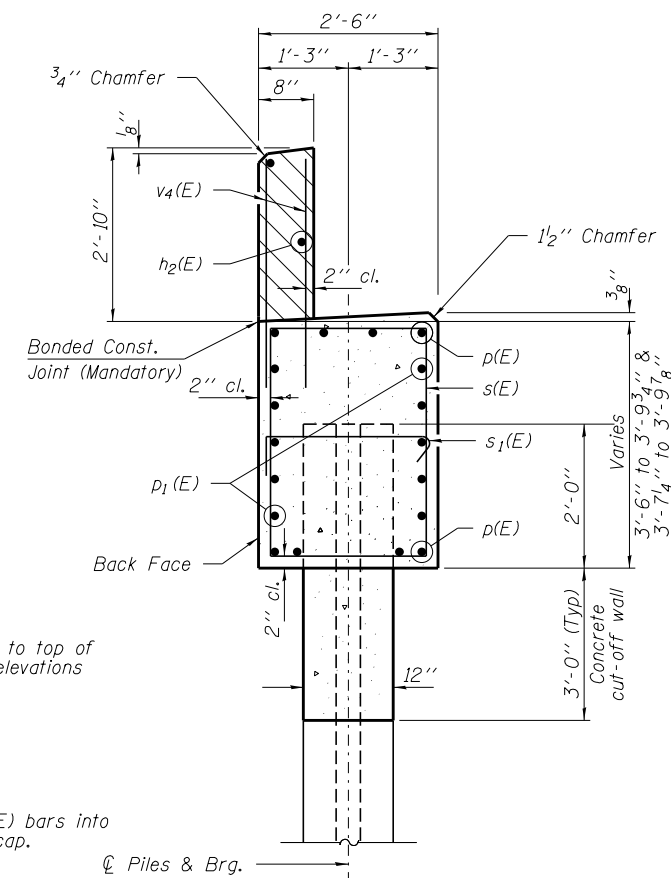
BILL OF MATERIAL - W. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	22	#6	9'-3"	—
h1(E)	6	#4	7'-9"	—
h2(E)	2	#4	30'-0"	—
p(E)	8	#7	30'-0"	—
p1(E)	10	#4	30'-0"	—
s(E)	20	#5	11'-7"	□
s1(E)	10	#5	3'-2"	U
u(E)	8	#6	12'-3"	—
v(E)	12	#4	5'-5"	—
v1(E)	8	#4	4'-5"	—
v2(E)	8	#4	3'-6"	—
v3(E)	8	#4	2'-6"	—
v4(E)	60	#4	3'-8"	—
Structure Excavation			Cu. Yd.	42
Concrete Structures			Cu. Yd.	15.3
Reinforcement Bars, Epoxy Coated			Pound	1,740
Steel Piles HPI0x42			Foot	220
Test Pile Steel HPI0x42			Each	1
Pile Shoes			Each	5
Name Plates			Each	1
Concrete Sealer			Sq. Ft.	56
Concrete Cut-Off Wall			Cu. Yd.	3.4



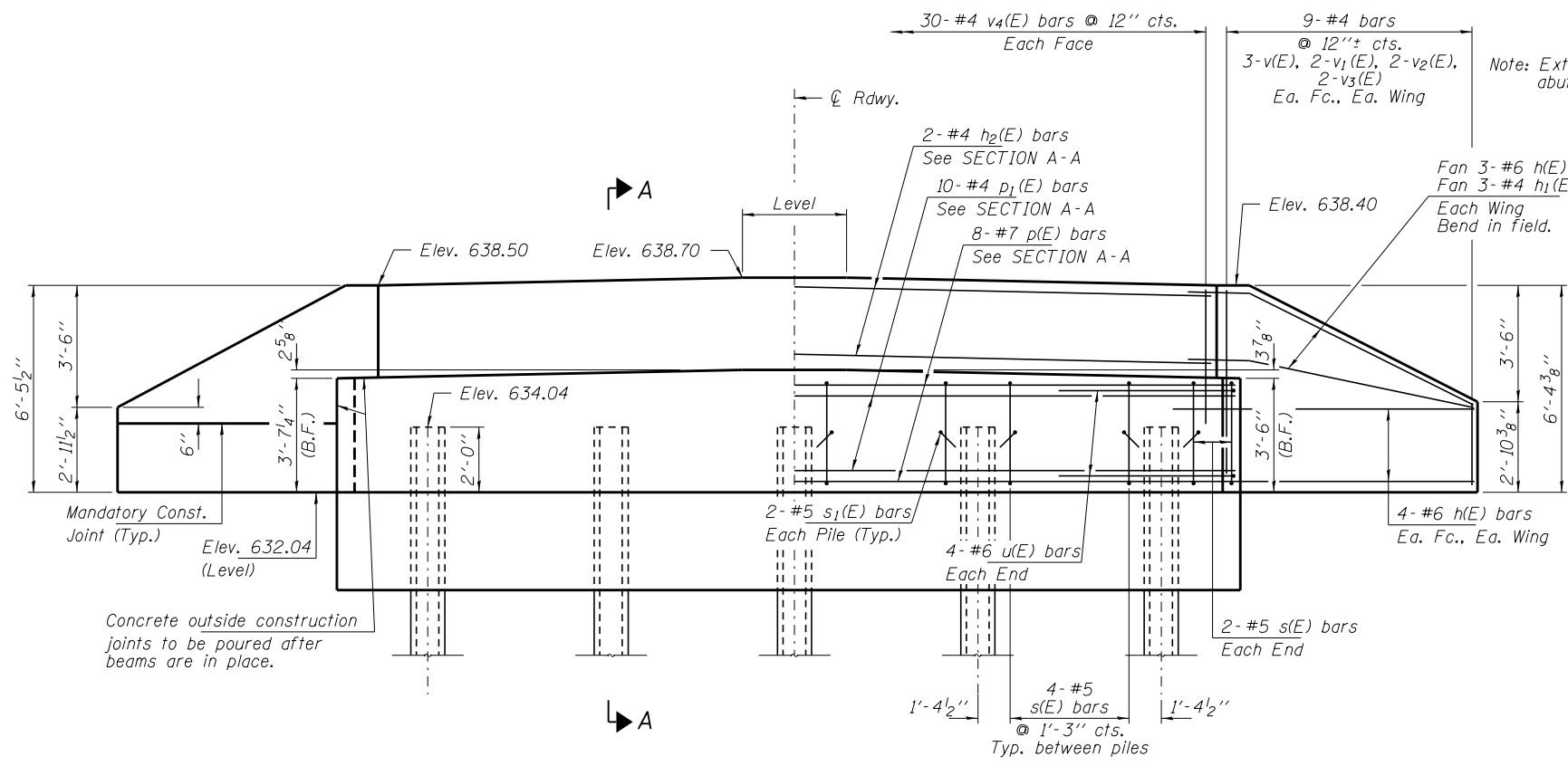
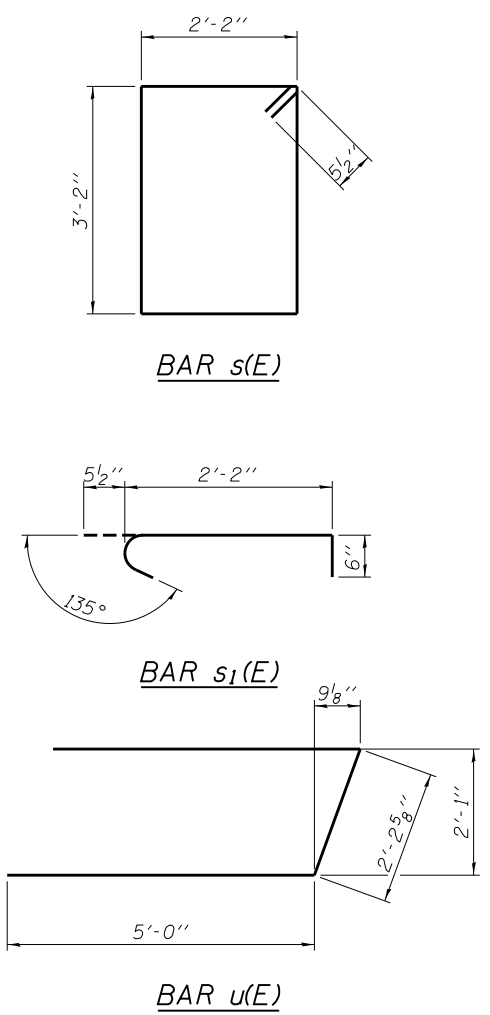
PLAN

Note:
Elevations in PLAN are to top of concrete cap. Backwall elevations are to top of wall.



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.



ELEVATION
(Looking East)

PILE DATA

Type ----- Steel Piles HP10x42 w/Pile Shoes
No. Req'd. (E. Abut.) ----- *5
Factored Resistance Available (Rf) ----- 184 Kips/Pile
Nominal Required Bearing (Rn) ----- 335 Kips/Pile
Est. Length ----- 55 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.

BILL OF MATERIAL - E. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE		
h(E)	22	#6	9'-3"	—		
h1(E)	6	#4	7'-9"	—		
h2(E)	2	#4	30'-0"	—		
p(E)	8	#7	30'-0"	—		
p1(E)	10	#4	30'-0"	—		
s(E)	20	#5	11'-7"	□		
s1(E)	10	#5	3'-2"	┌		
u(E)	8	#6	12'-3"	—		
v(E)	12	#4	5'-5"	—		
v1(E)	8	#4	4'-5"	—		
v2(E)	8	#4	3'-6"	—		
v3(E)	8	#4	2'-6"	—		
v4(E)	60	#4	3'-8"	—		
Structure Excavation					Cu. Yd.	44
Concrete Structures					Cu. Yd.	15.3
Reinforcement Bars, Epoxy Coated					Pound	1,740
Steel Piles HP10x42					Foot	220
Test Pile Steel HP10x42					Each	1
Pile Shoes					Each	5
Concrete Sealer					Sq. Ft.	56
Concrete Cut-Off Wall					Cu. Yd.	3.4

FILE NAME = 150190-sht-bridge.dgn
 HAMPTON, LENZINI AND RENWICK, INC.
 3035 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

USER NAME =
 PLOT SCALE =
 PLOT DATE = 10/24/2017

DESIGNED - L.A.P.
 CHECKED - S.W.M.
 DRAWN - R.D.H.
 CHECKED - S.W.M.

REVISED -
 REVISED -
 REVISED -
 REVISED -

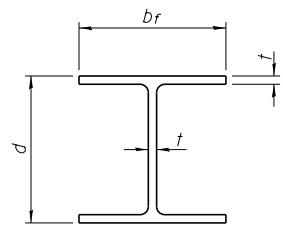
STATE OF ILLINOIS
VERMILION COUNTY HIGHWAY DEPARTMENT

EAST ABUTMENT
STRUCTURE NO. 092-3535

SHEET NO. 7 OF 12 SHEETS

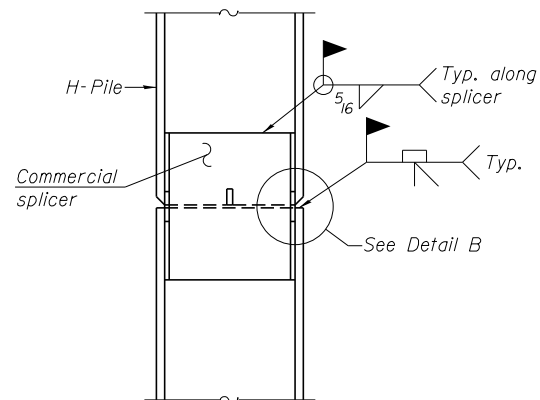
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
261	15-14141-00-BR	VERMILION	36	11
OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563	

ILLINOIS FED. AID PROJECT VBGM0391

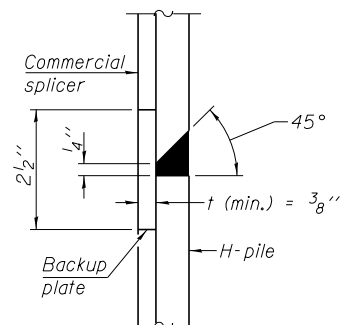


STEEL PILE TABLE

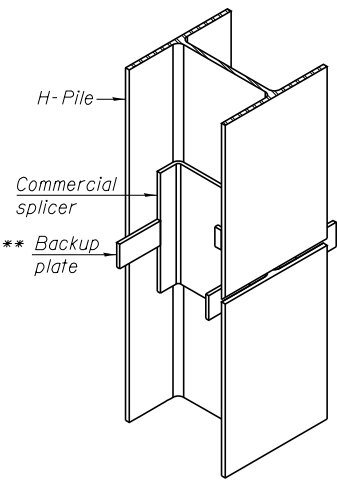
Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11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

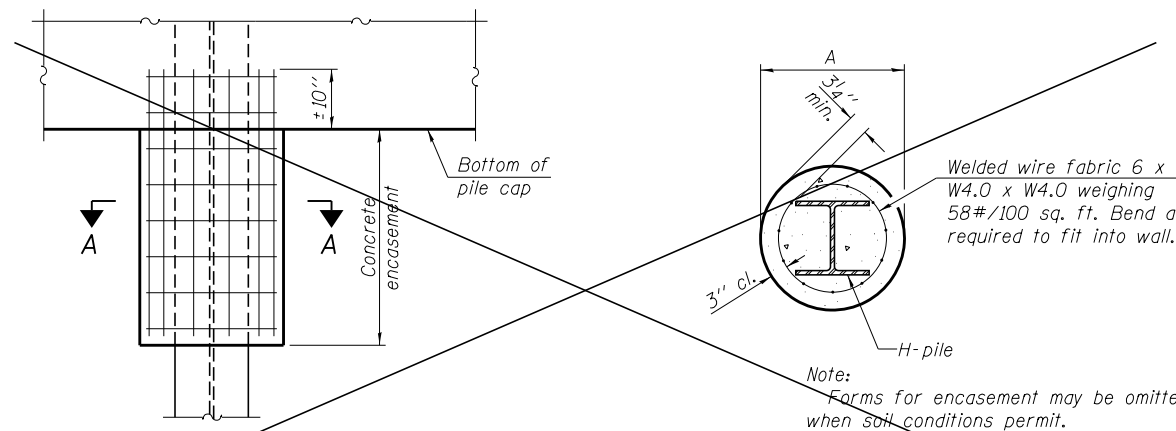


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE

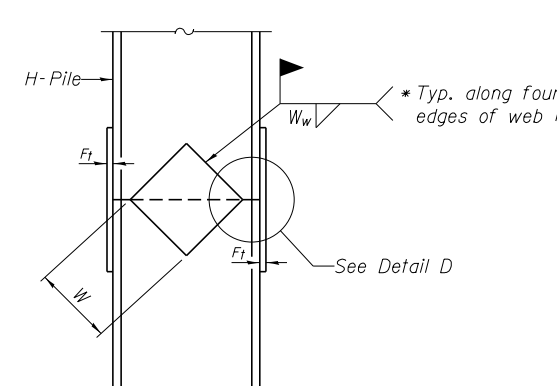


ELEVATION

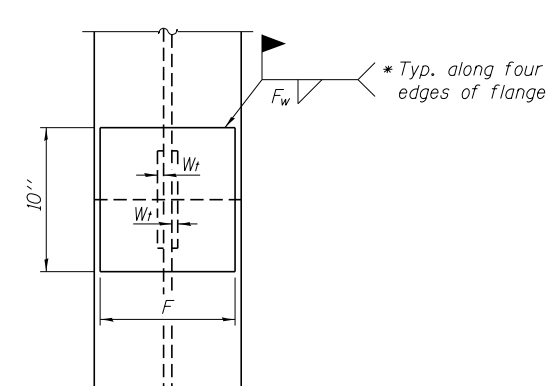
SECTION A-A

PILE ENCASEMENT

(Not Required)



ELEVATION

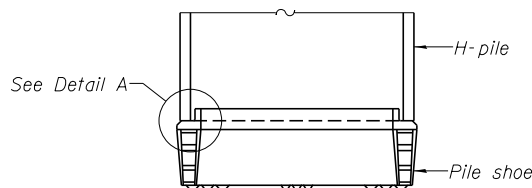


END VIEW

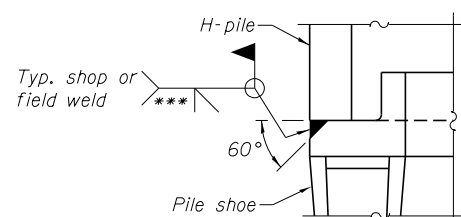
DETAIL D

WELDED PLATE FIELD SPLICE

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

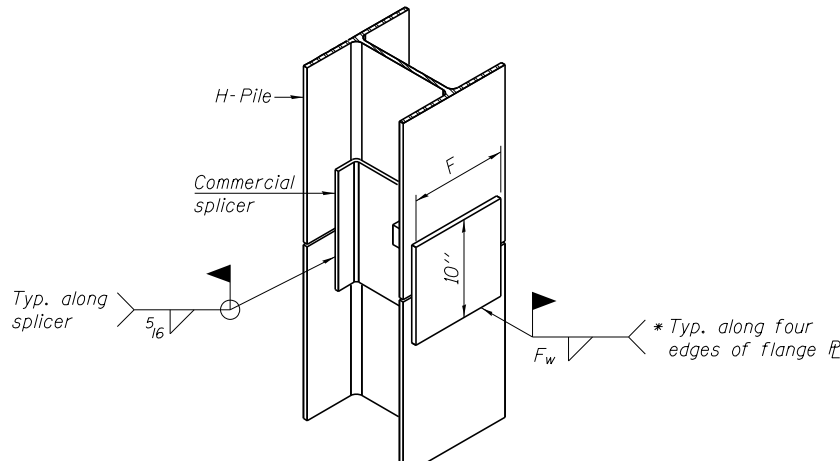


ELEVATION



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.

F-HP 1-27-12

FILE NAME = 150190-sht-bridge.dgn	USER NAME =	DESIGNED - L.A.P.	REVISIONS -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	HP PILE DETAILS STRUCTURE NO. 092-3535	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 L.S./P.E./S.E. CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISIONS -			261	15-14141-00-BR	VERMILION	36	12
	PLOT DATE = 10/24/2017	DRAWN - R.D.H.	REVISIONS -			OAKWOOD ROAD DISTRICT		CONTRACT NO. 91563		
		CHECKED - S.W.M.	REVISIONS -			ILLINOIS FED. AID PROJECT V8CM0391				



BORING NO. B-01
PAGE 1 OF 2

CLIENT Hampton, Lenzini & Renwick PROJECT NAME 1800 N Over Feather Creek
PROJECT NUMBER 15-C483 PROJECT LOCATION Oakwood Twp, Vermilion Co, IL
DATE COMPLETED 9/10/15 LOGGED BY DS/RR DRILLING METHOD 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RCD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Qp) (lbf)	UNC. STRENGTH (Qu) (lbf)	MOISTURE CONTENT (%) (pcf)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS				
												LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX		
0	100.6		0-4" Black SILTY CLAY TOPSOIL													
	97.9		Black CLAYEY SAND FILL loose, moist 634.9	SS 1	56	3-2-2 (4)			12.5							
	94.9		Black SANDY CLAY trace gravel medium stiff, moist 631.9	SS 2	67	2-3-5 (8)	1.0		26.0							
	91.9		Brown mottled Gray SILTY CLAY trace sand and gravel stiff, moist 628.9	SS 3	61	2-3-2 (5)	1.5	1.4	16.7							
	86.4		Gray SILTY CLAY trace sand and gravel hard, moist 623.4	SS 4	56	3-5-10 (15)	4.5	5.6	11.0							
				SS 5	83	13-14-15 (29)	4.25		11.6							
				SS 6	94	11-15-29 (44)	4.0		12.1							
			Gray Medium Coarse SAND trace gravel dense, moist to wet	SS 7	89	6-7-15 (22)			15.3							
				SS 8	100	2-5-11 (16)			12.7							
				SS 10	100	4-6-12 (18)			12.9							
	77.9		Gray SILT very dense, very moist 614.9	SS 10	100	35-50/4"			15.5							
				SS 11	79	28-38-50/2"			15.5							
				SS 12	78	19-16-21 (37)			12.9							
	67.9		Gray SILTY CLAY trace sand and gravel very stiff, very moist 604.9	SS 13	94	13-14-15 (29)	3.0	2.6	29.1							

COMPLETION DEPTH 58.6 ft GROUND ELEVATION 100.9 ft
 CAVE DEPTH 12 ft BACKFILL Soil Cuttings
 GROUND WATER LEVELS:
 AT TIME OF DRILLING 16.00 ft / Elev 84.90 ft
 AT END OF DRILLING --- Dry at caved depth.
 AFTER DRILLING ---

NOTES
 Temporary benchmark at center of bridge assigned elevation of 100.0'. B-01 located 30' west of southwest abutment. (637.0 U.S.G.S.)

Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

9370 W. Laraway Rd, Suite D Frankfort, Illinois Phone (815) 806-9986 Fax (815) 464-8691



BORING NO. B-01
PAGE 2 OF 2

CLIENT Hampton, Lenzini & Renwick PROJECT NAME 1800 N Over Feather Creek
PROJECT NUMBER 15-C483 PROJECT LOCATION Oakwood Twp, Vermilion Co, IL
DATE COMPLETED 9/10/15 LOGGED BY DS/RR DRILLING METHOD 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RCD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Qp) (lbf)	UNC. STRENGTH (Qu) (lbf)	MOISTURE CONTENT (%) (pcf)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS				
												LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX		
			Gray SILTY CLAY trace sand and gravel very stiff, very moist (continued)	SS 14	100	9-12-13 (25)	3.5	3.4	23.4							
	57.4		Gray SILT very dense, very moist 594.4	SS 15	89	39-27-17 (44)			16.7							
	52.9		Brownish Red CLAYEY SILT trace gravel very dense, moist 589.9	SS 16	89	13-28-31 (59)			20.3							
				SS 17	91	32-50/5"			15.9							

Refusal at 58.6 feet
 Bottom of borehole at 58.6 feet.

SS 18 0 50/1"

Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

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BORING - 1



BORING NO. B-02
PAGE 1 OF 2

CLIENT Hampton, Lenzini & Renwick PROJECT NAME 1800 N Over Feather Creek
PROJECT NUMBER 15-C483 PROJECT LOCATION Oakwood Twp, Vermilion Co, IL
DATE COMPLETED 9/10/15 LOGGED BY DS/RR DRILLING METHOD 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RCD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Qp) (lbf)	UNC. STRENGTH (Qu) (lbf)	MOISTURE CONTENT (%) (pcf)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS				
												LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX		
0	101.1		0-3" CHIP & TAR													
	98.8		GRAVEL FILL 635.8	SS 1	44	12-6-3 (9)			8.6							
			Black SANDY CLAY trace gravel medium stiff, moist to very moist	SS 2	89	6-2-4 (6)	1.0		12.9							
	92.8		629.8	SS 3	78	1-2-2 (4)	0.5	0.6	27.7							
	90.3		Gray FINE SAND trace gravel loose, moist 627.3	SS 4	83	4-3-2 (5)			7.5							
			Gray FINE SAND trace gravel dense to very dense, wet	SS 5	83	5-14-16 (30)			16.0							
				SS 6	89	16-23-17 (40)			17.8							
	82.8		619.8	SS 7	100	3-16-24 (40)			15.7							
			Gray SILT very dense, very moist	SS 8	138	9-37-50/1"			13.6							
				SS 9	80	14-32-50/3"			14.6							
				SS 10	89	17-17-20 (37)			13.4							
	75.3		612.3	SS 11	67	8-12-15 (27)	1.5	1.3	12.9							
			Gray SILTY CLAY trace sand and gravel stiff, moist	SS 12	67	9-6-7 (13)	1.25	1.2	10.0							
	67.8		604.8	SS 13	100	8-11-15 (26)	3.5	3.4	15.3							
			Gray SILTY CLAY trace sand and gravel very stiff to hard, moist													

COMPLETION DEPTH 58.6 ft GROUND ELEVATION 101.3 ft
CAVE DEPTH 11 ft BACKFILL Soil Cuttings
GROUND WATER LEVELS:
AT TIME OF DRILLING 9.00 ft / Elev 92.30 ft
AT END OF DRILLING 11.00 ft / Elev 90.30 ft
AFTER DRILLING ---

NOTES
Temporary benchmark at center of bridge assigned elevation of 100.0'. B-02 located 31' east of end of northeast railing and 4' south into roadway.
(637.0 U.S.G.S.)

Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

9370 W. Laraway Rd, Suite D Frankfort, Illinois Phone (815) 806-9986 Fax (815) 464-8691



BORING NO. B-02
PAGE 2 OF 2

CLIENT Hampton, Lenzini & Renwick PROJECT NAME 1800 N Over Feather Creek
PROJECT NUMBER 15-C483 PROJECT LOCATION Oakwood Twp, Vermilion Co, IL
DATE COMPLETED 9/10/15 LOGGED BY DS/RR DRILLING METHOD 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RCD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Qp) (lbf)	UNC. STRENGTH (Qu) (lbf)	MOISTURE CONTENT (%) (pcf)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS				
												LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX		
			Gray SILTY CLAY trace sand and gravel very stiff to hard, moist (continued)	SS 14	67	13-15-27 (42)	4.5	5.5	18.1							
				SS 15	225	33-50/2"	4.0		15.3							
	52.8		529.8	SS 16	91	23-50/5"	4.25		15.0							
			Reddish Brown CLAYEY SILT trace sand and gravel very dense, moist	SS 17	200	50/4"			15.8							
	42.7		579.7	SS 18												

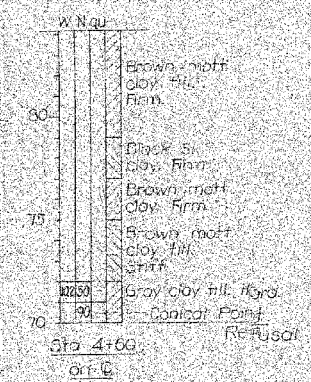
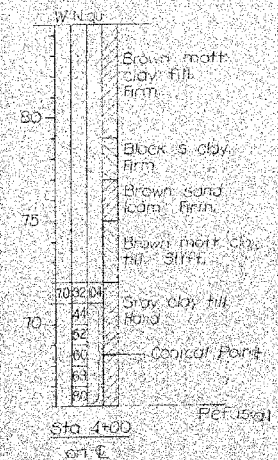
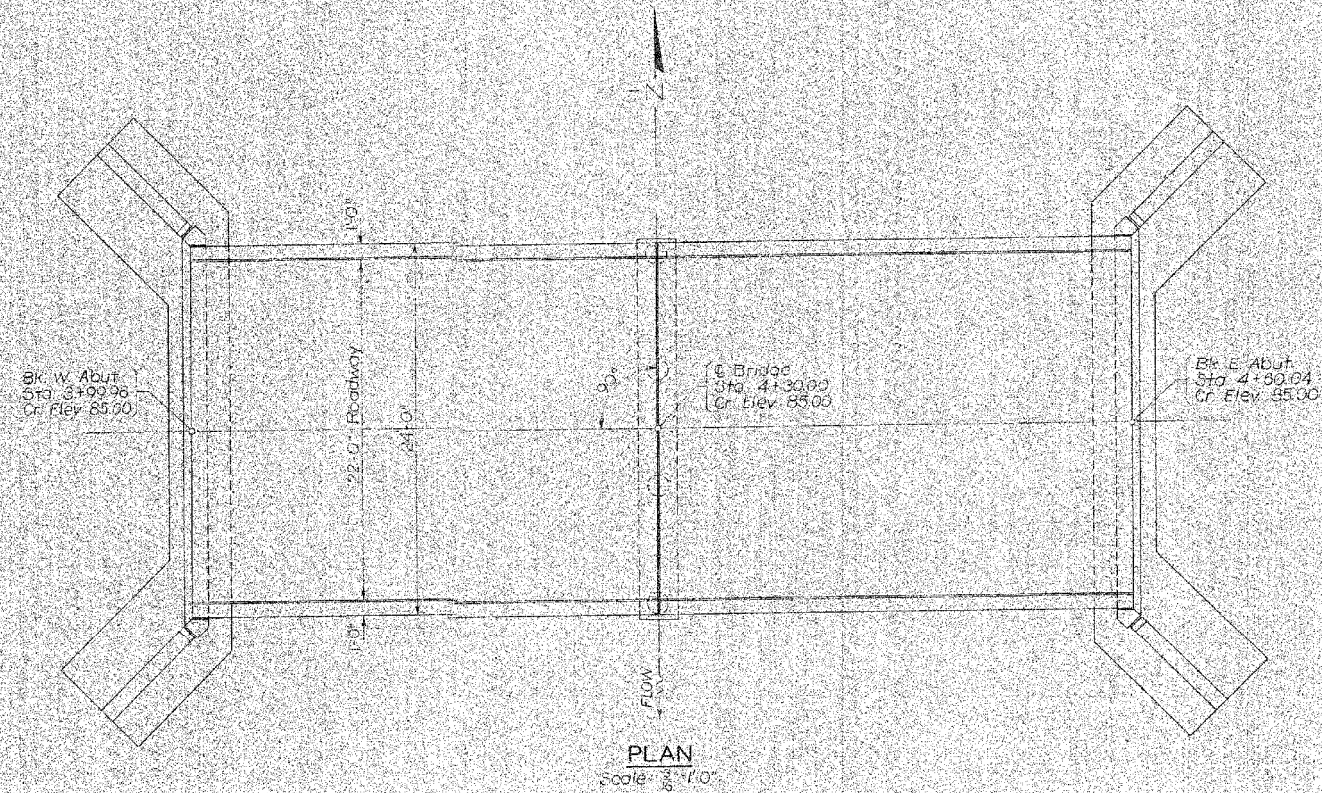
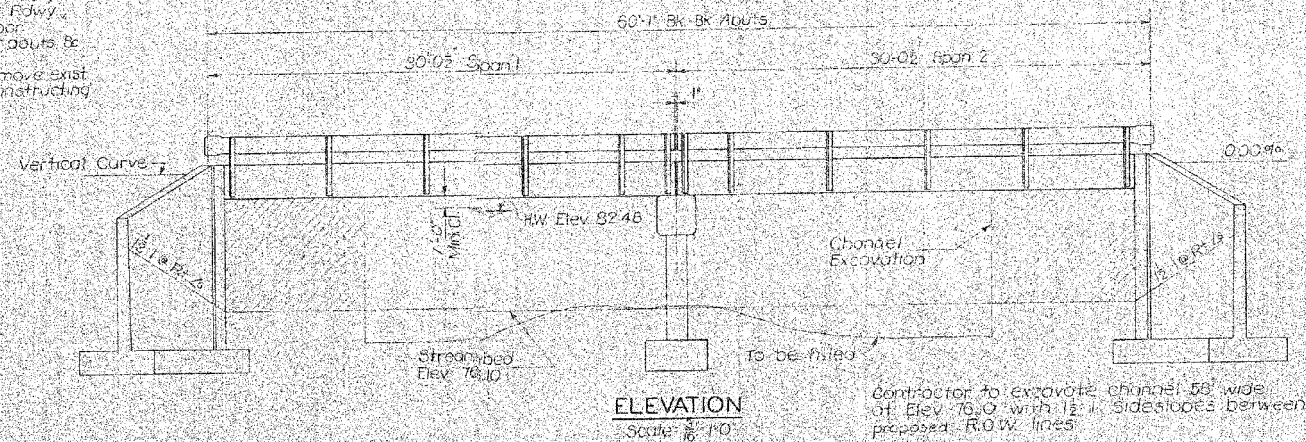
Refusal at 58.6 feet
Bottom of borehole at 58.6 feet.

Lines of Demarcation represent an approximate boundary between soil types. Variations may occur between sampling intervals and between boring locations, and the transition may be gradual. Dashed lines are indicative of potentially erratic or unknown changes.

9370 W. Laraway Rd, Suite D Frankfort, Illinois Phone (815) 806-9986 Fax (815) 464-8691

BORING-2

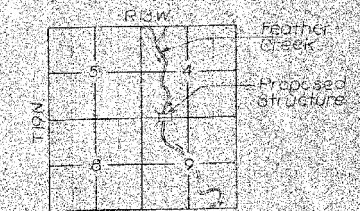
Box - Not in free LF Sta 115
 Elev. 107.00
 Exst. Struct - Pony truss, 1
 span @ 35.0' 15.2 Pkwy.
 10' conc. 5.00 floor
 Substructure - Conc. abutts &
 wing
 Contractor shall remove exist
 struct before constructing
 new bridge
 No salvage



- N Blows per foot of penetration at sampling station. Hammer wt 140 lbs Drop 2'-0"
- U Unconfined compressive strength in tons per sq ft
- W Natural water content, % of dry wt

GENERAL NOTES

Class X Concrete shall be used in Curbs, Abutments & Piers. For item "Precast Prestressed Concrete Bridge Deck" see Special Provisions.
 Bridge Rail & Posts shall receive one shop coat of red lead paint and two field coats of aluminum paint.
 A cubical deposit of gravel or broken stone shall be placed behind each drain hole in the abutments and wing walls in accordance with Article 50.10 of the Standard Specifications.
 The decks of the abutments and wing walls shall be waterproofed. See Article 51.21 of the Standard Specifications. No backfill or embankment shall be placed until the boots are in place, dowels grouted and abutment notch poured. See Article 50.10 of the Standard Specifications.
 Boring logs are shown on the plans only as a guide to bidders in estimating soil conditions which may be encountered in the work.



TOTAL BILL OF MATERIAL

ITEM	SUPER	SUB	TOTAL
Precast Prestressed Concrete Bridge Deck	30	140	170
Class X Concrete	32	727	759
Reinforcement Bars	5570		5570
Major Floor Bridge Rail	114		114
Panel Plates	1		1
Channel Excavation	183		183
Removal of Existing Structures			1
Bituminous Surface Treatment Sup. Class A-3	147		147

WATERWAY INFORMATION

Character - Level, Rolling, Cultivated, Pasture
 Drainage Area - 9280 Acres
 Existing Opening - 230' x 30' Ft.
 Required Opening (10 yr) - 260' x 30' Ft.
 Proposed Opening - 310' x 30' Ft. (Below Hwy 850)

DESIGN STRESSES

fc - 2000 PSI (Super)
 fc - 1000 PSI (Sub)
 fs - 20,000 PSI (Reinf)
 fs - 150,000 PSI (Prestress Cable)
 m - 10
 v - 75 PSI (Footings)

STATION 4+30
 FEATHER CREEK
 SEC. 106B-TR, BUILT 1929
 OAKWOOD TOWNSHIP
 VERMILION COUNTY
 LOADING H5-512

LETTERING FOR NAME PLATE
 See Std. 213

GENERAL PLAN & ELEVATION
 SECTION 106B-TR
 OAKWOOD TOWNSHIP
 VERMILION COUNTY
 STATION 4+30

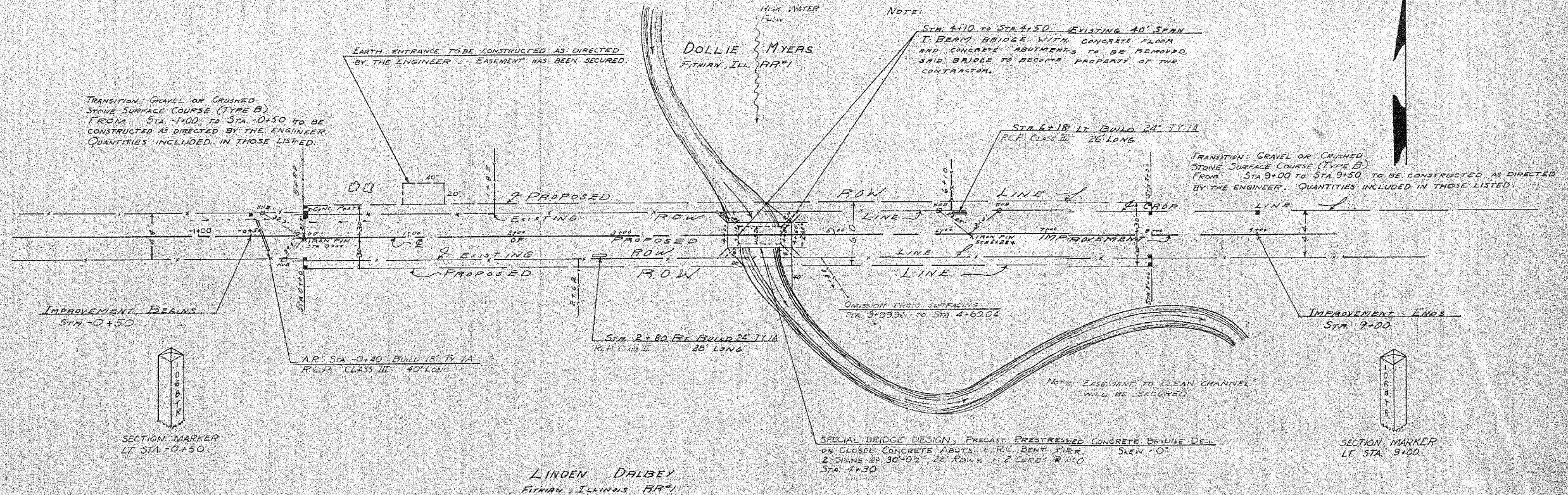
HANSON, COLLINS & RICE
 CONSULTING ENGINEERS



DESIGNED: J.L.P. CHECKED: J.L.P.
 DRAWN: R.D.H. DATE: 10/24/2017 NO. 8-15-11

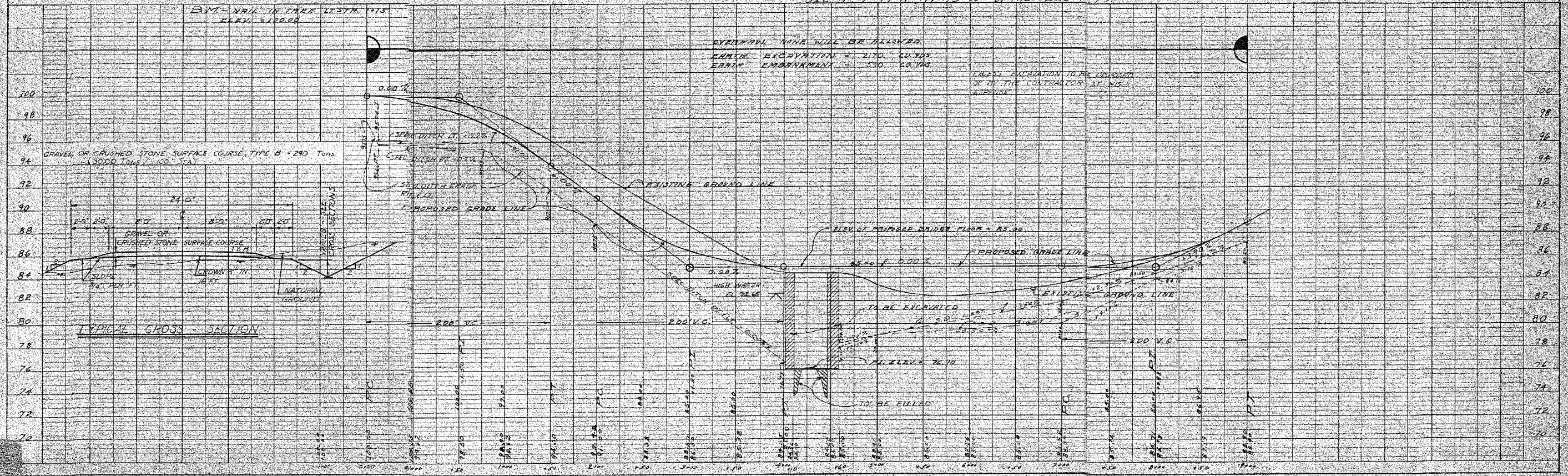
3170 SHEET 3 OF 10

SEC. 106 B-TR OAKWOOD TWP.



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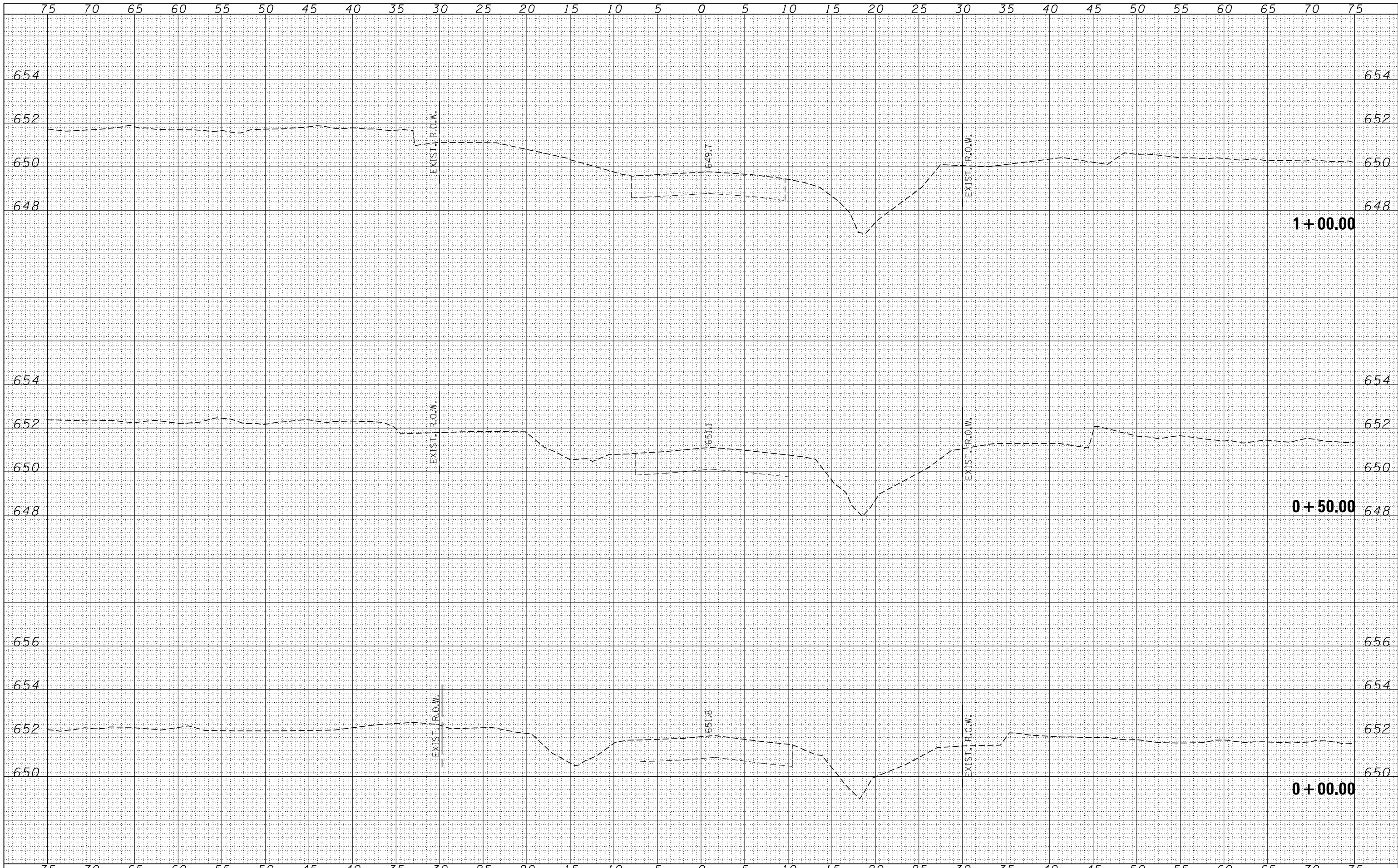
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SHEET 2 OF 0

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FILE NAME = 150190-sht-sxs.dgn
 HAMPTON, LENZINI AND RENWICK, INC.
 3885 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000958

USER NAME = rhosick
 DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 10/24/17
 PLOT SCALE = *SCALE*
 PLOT DATE = 10/24/2017

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STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

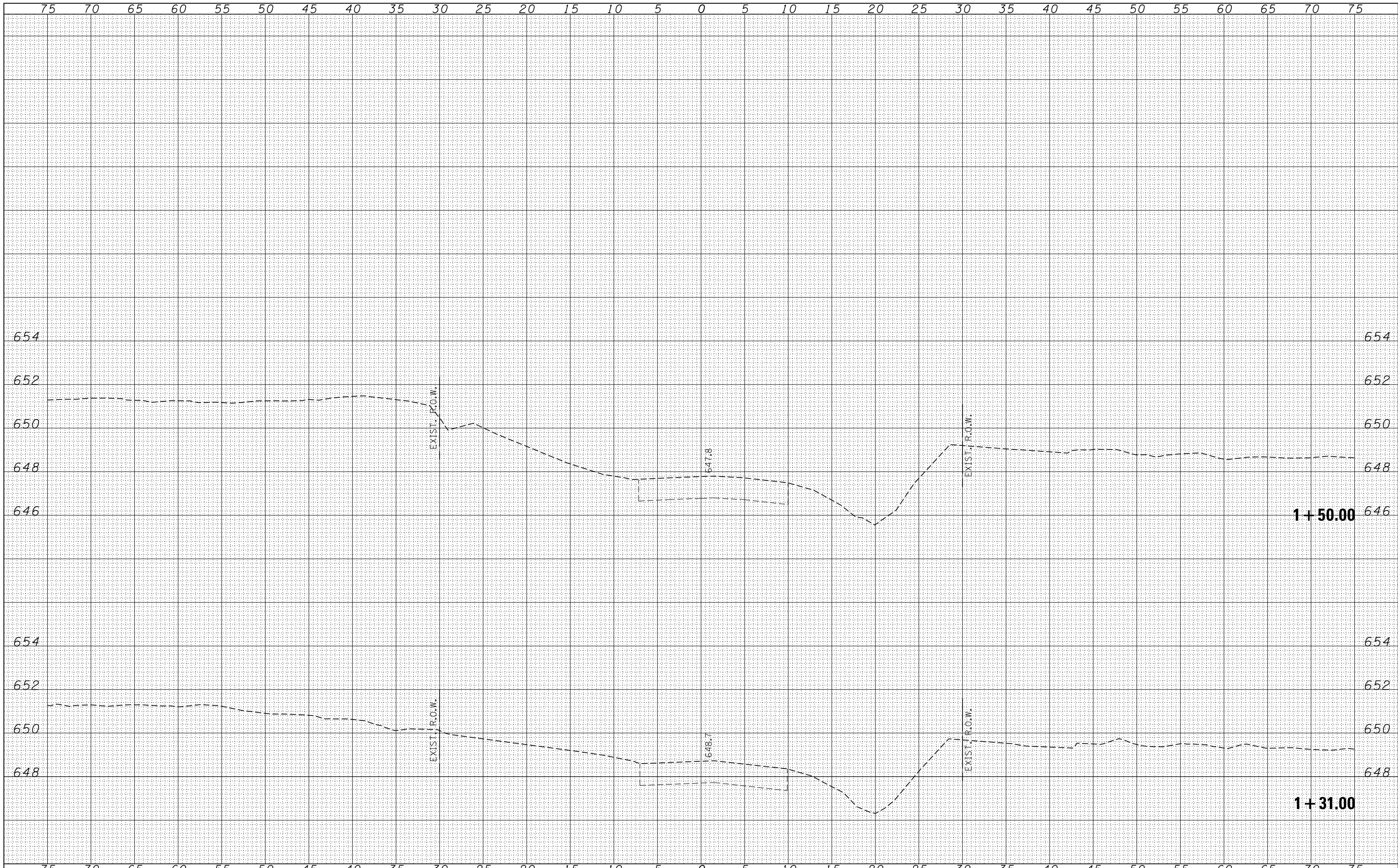
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261	15-14141-00-BR	VERMILION	36	17
OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563	
ILLINOIS FED. AID PROJECT VBGM0391				

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 HAMPTON, LENZINI AND RENWICK, INC.
 3885 STEVENSON DRIVE, SUITE 201
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 ILLINOIS PROFESSIONAL DESIGN FIRM
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STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

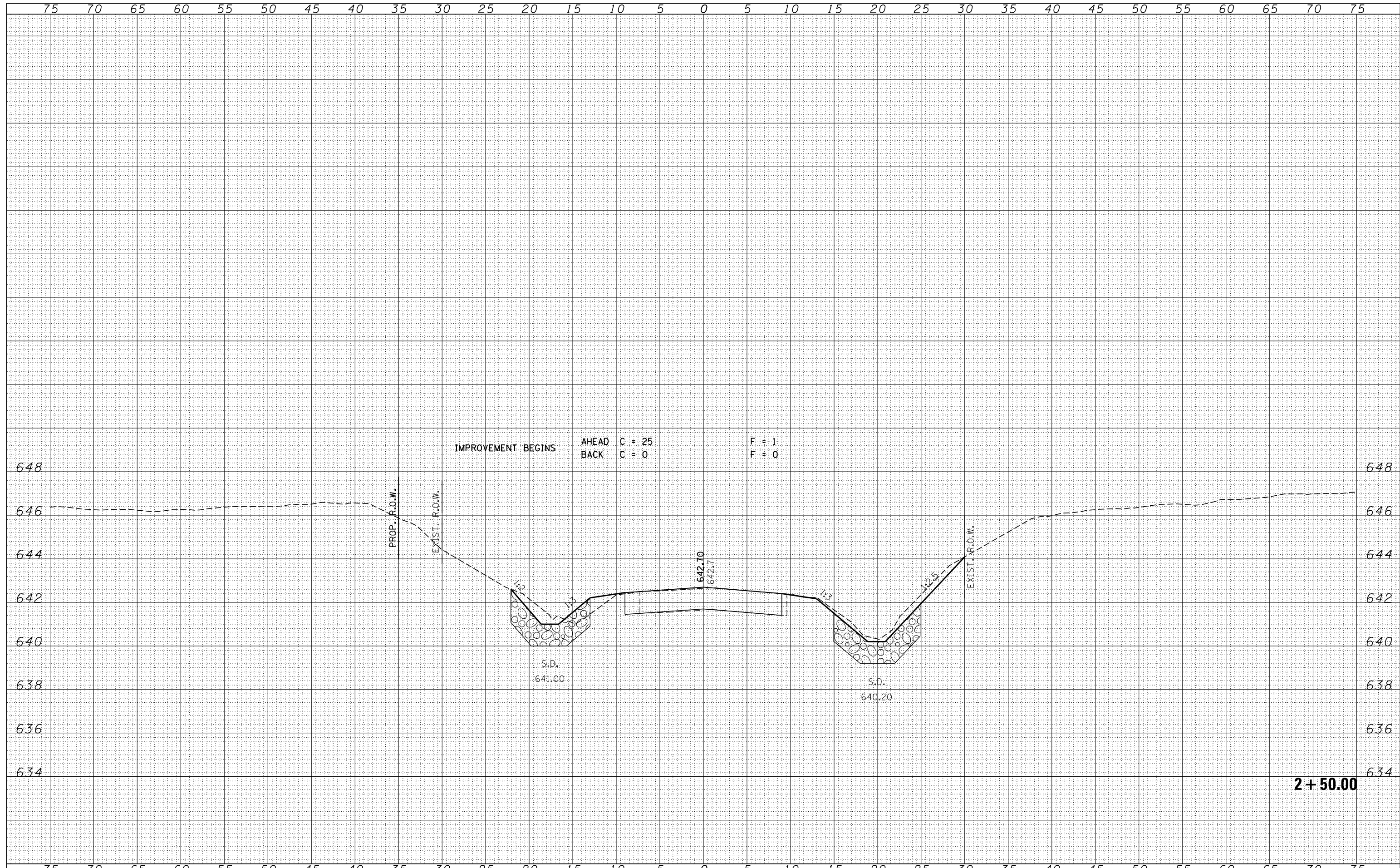
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TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
261	15-14141-00-BR	VERMILION	36	18
OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563	
ILLINOIS FED. AID PROJECT VBGM0391				

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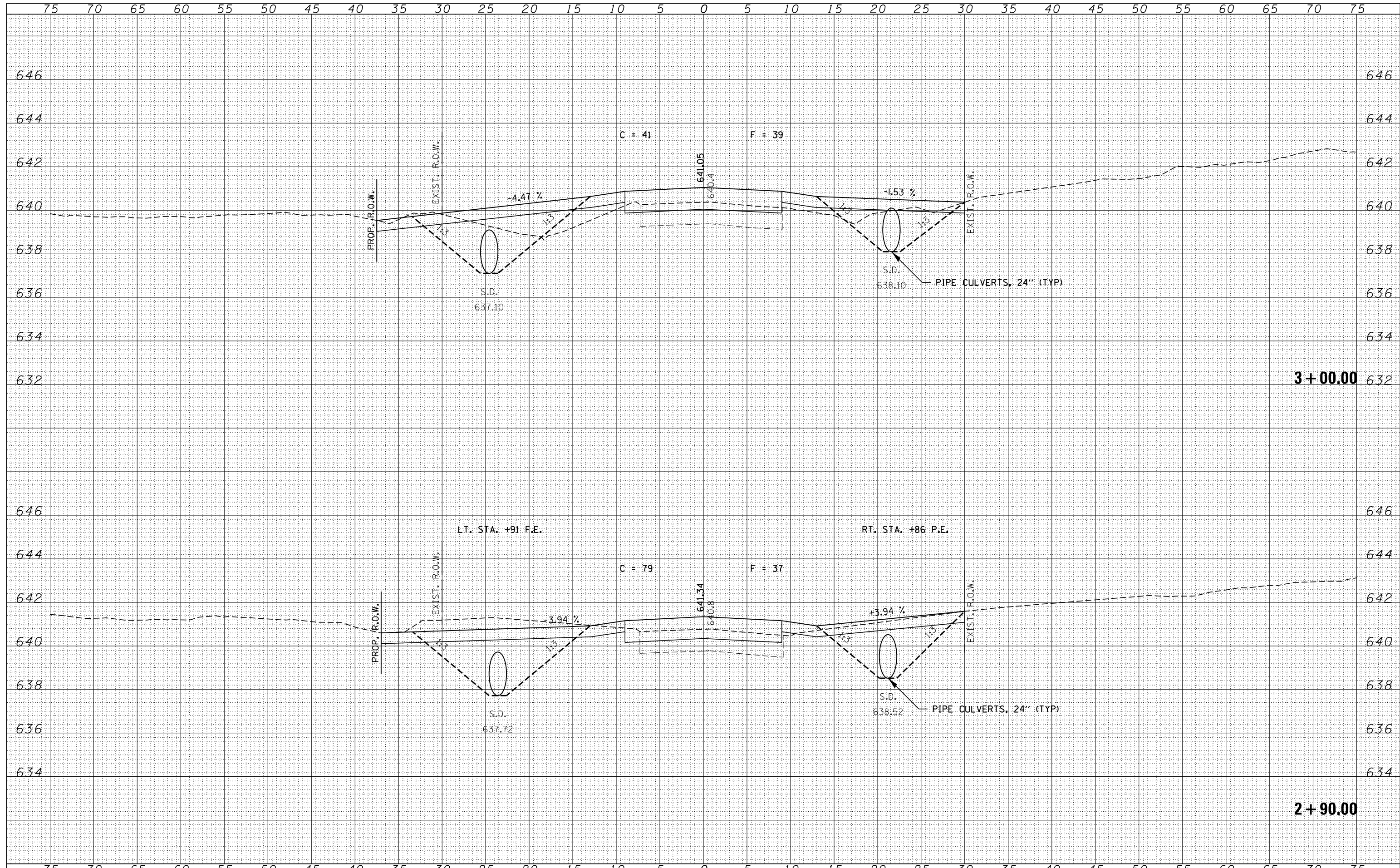
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FILE NAME = 150190-sht-sxs.dgn	USER NAME = rhosick	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS			TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L/S / PE / SE CORP. 184.000958		DRAWN - L.G.C.	REVISED -		261	15-14141-00-BR	VERMILION	36	20			
		CHECKED - S.W.M.	REVISED -		OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563				
		DATE - 10/24/17	REVISED -		SCALE: 5H:2V	SHEET NO. 4 OF 20 SHEETS	STA. 2+50.00	TO STA. 2+50.00				
										ILLINOIS FED. AID PROJECT V8GM039J		

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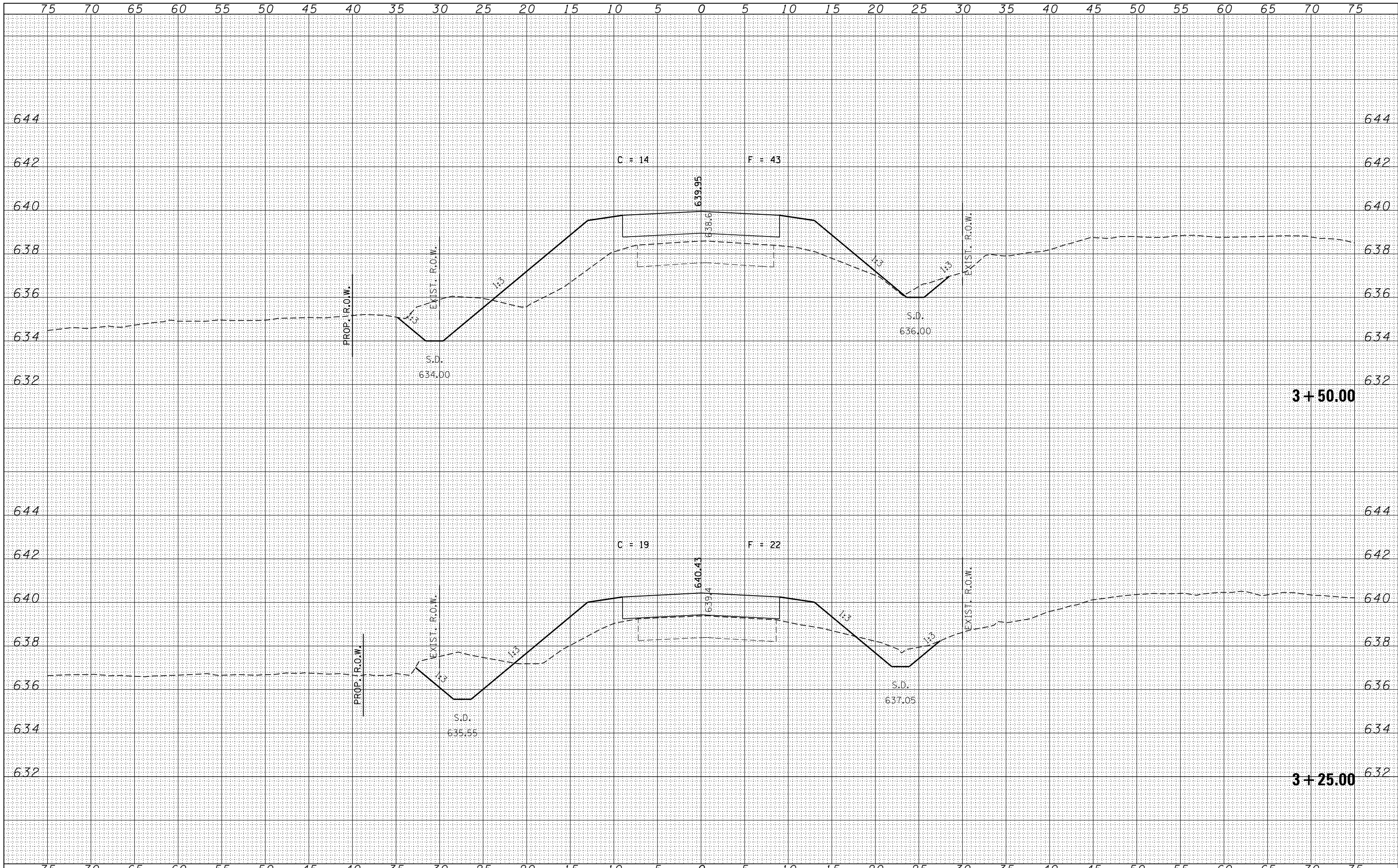
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FILE NAME = 150190-sht-sss.dgn	USER NAME = rhosick	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS			TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184-000958		DRAWN - L.G.C.	REVISED -		261	15-14141-00-BR	VERMILION	36	21			
		CHECKED - S.W.M.	REVISED -		OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563				
		DATE - 10/24/17	REVISED -		SCALE: 5H:2V	SHEET NO. 5 OF 20 SHEETS	STA. 2+90.00	TO STA. 3+00.00				
										ILLINOIS FED. AID PROJECT VBGM039J		

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 HAMPTON, LENZINI AND RENWICK, INC.
 3885 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000958

USER NAME = rhosick
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 PLOT DATE = 10/24/2017

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STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

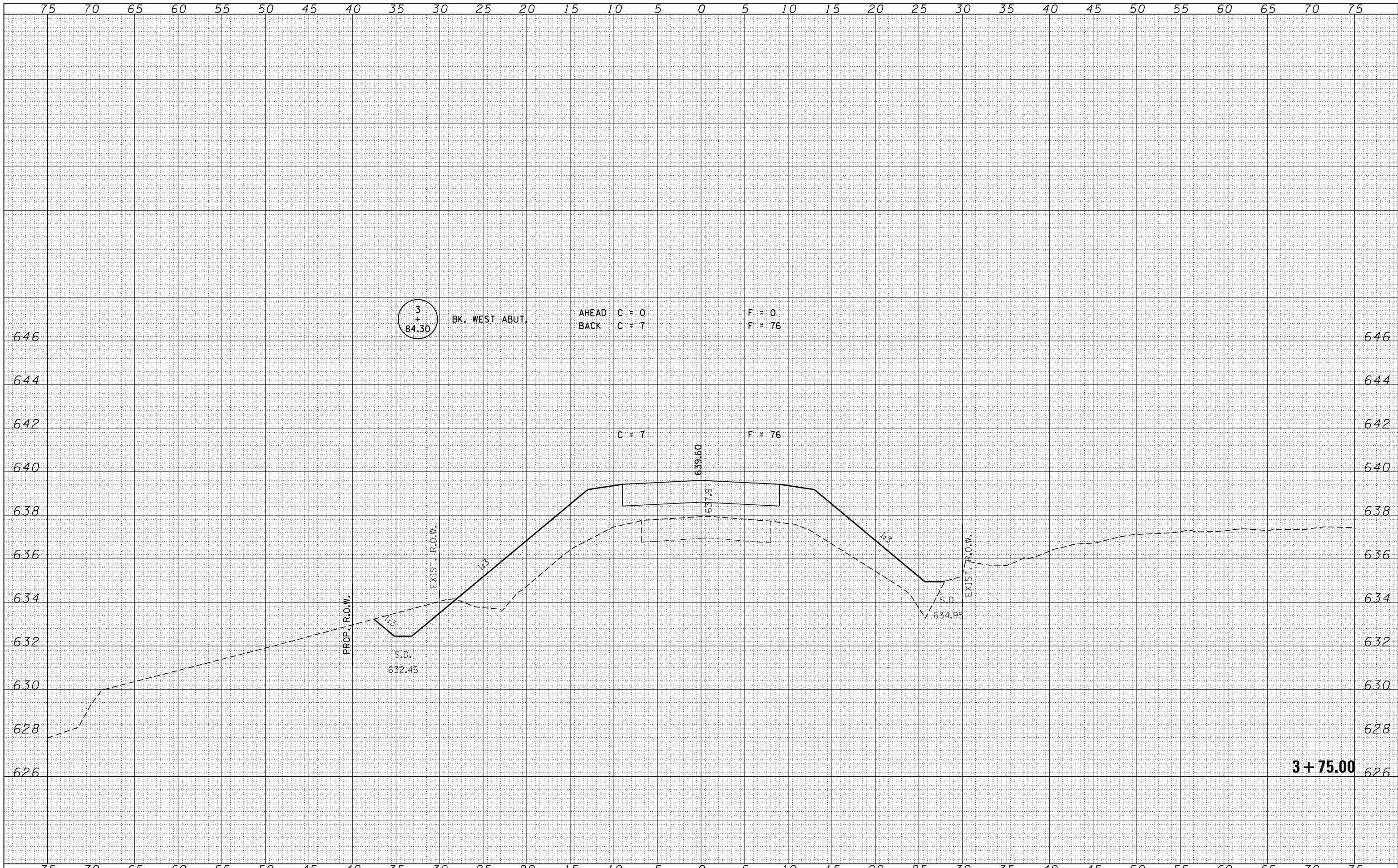
STATION CROSS SECTIONS

SCALE: 5H:2V SHEET NO. 6 OF 20 SHEETS STA. 3+25.00 TO STA. 3+50.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
261	15-14141-00-BR	VERMILION	36	22
OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563	
ILLINOIS FED. AID PROJECT VBGM0391				

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 3885 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
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STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

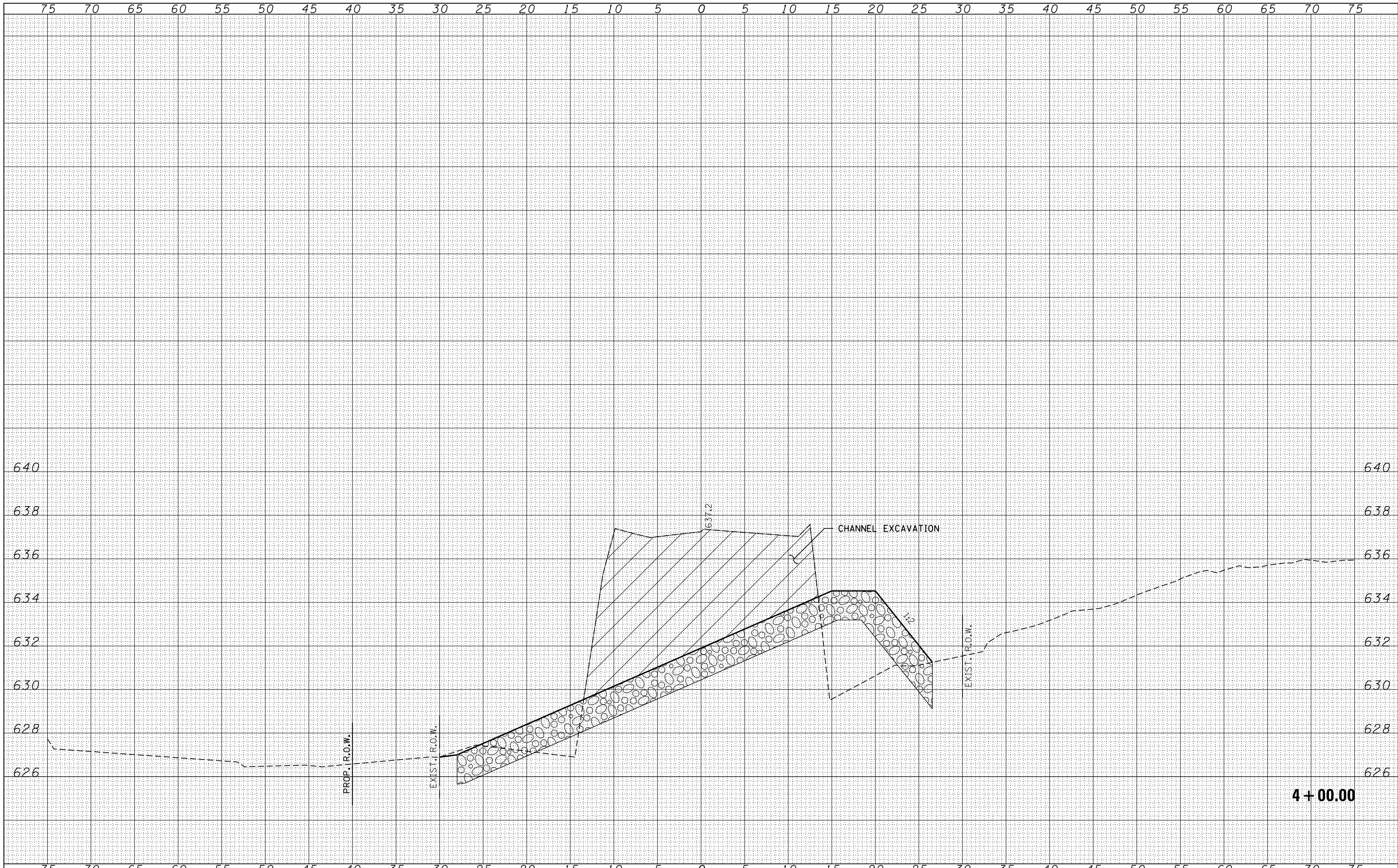
STATION CROSS SECTIONS

SCALE: 5H:2V
 SHEET NO. 7 OF 20 SHEETS
 STA. 3+75.00 TO STA. 3+75.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
261	15-14141-00-BR	VERMILION	36	23
OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563	
ILLINOIS FED. AID PROJECT VBGM0391				

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 HAMPTON, LENZINI AND RENWICK, INC.
 3885 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000958

USER NAME = rhosick
 PLOT SCALE = *SCALE*
 PLOT DATE = 10/24/2017

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STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

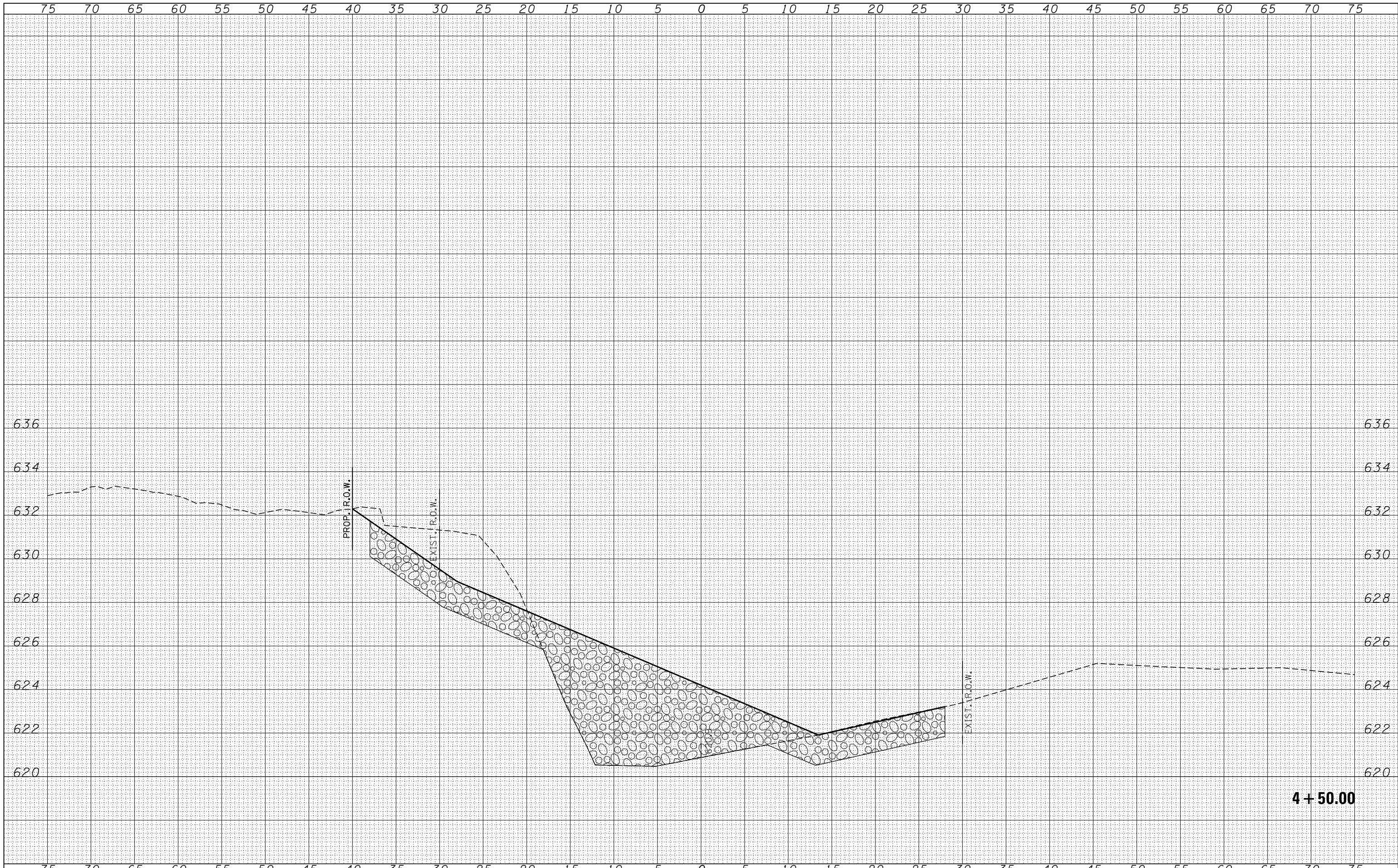
STATION CROSS SECTIONS

SCALE: 5H:2V SHEET NO. 9 OF 20 SHEETS STA. 4+00.00 TO STA. 4+10.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
261	15-14141-00-BR	VERMILION	36	25
OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563	
ILLINOIS FED. AID PROJECT VBGM0391				

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4 + 50.00

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 HAMPTON, LENZINI AND RENWICK, INC.
 3885 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184-009958

USER NAME = rhosick
 PLOT SCALE = *SCALE*
 PLOT DATE = 10/24/2017

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**STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT**

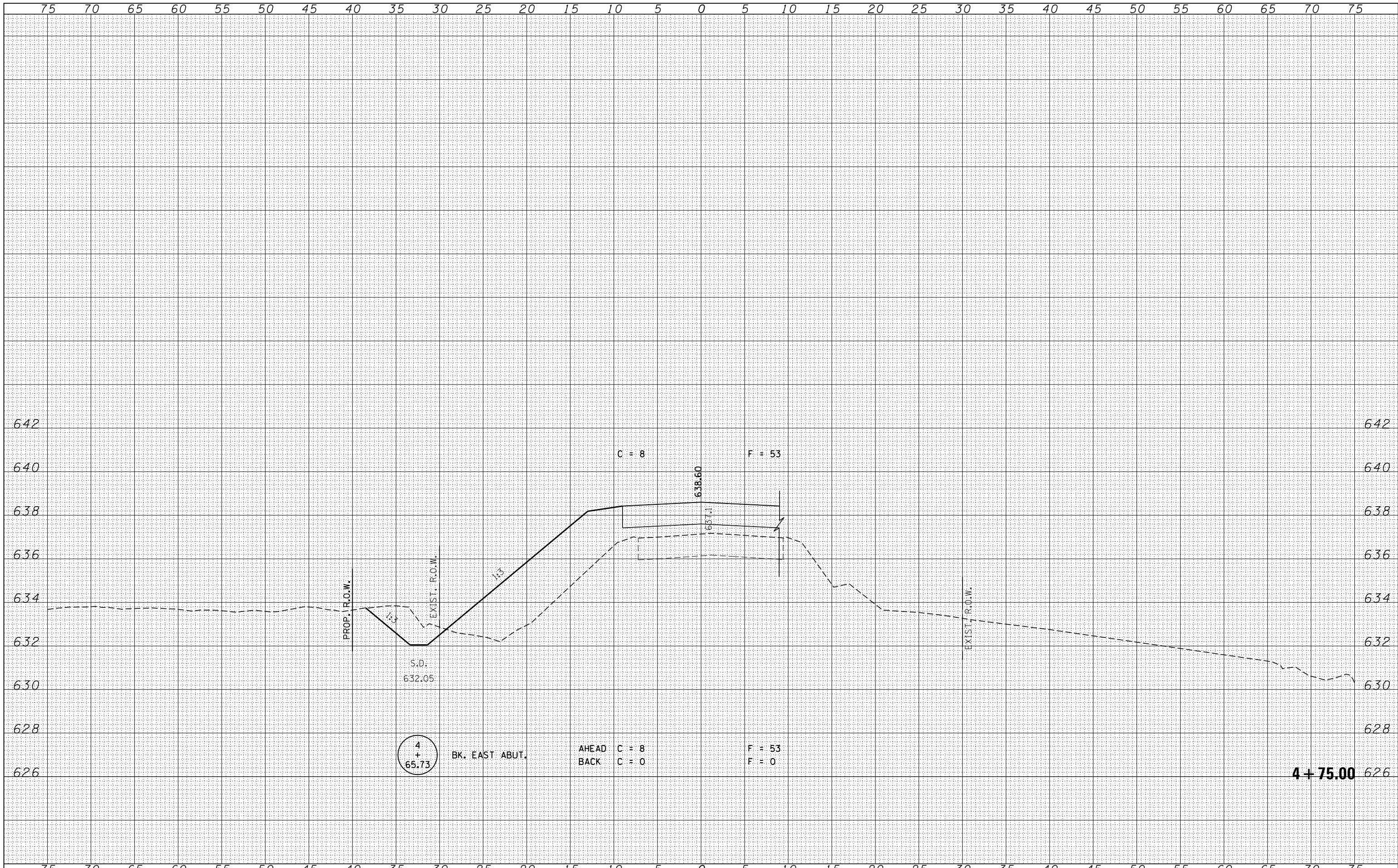
STATION CROSS SECTIONS

SCALE: 5H:2V SHEET NO. 11 OF 20 SHEETS STA. 4+50.00 TO STA. 4+50.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
261	15-14141-00-BR	VERMILION	36	27
OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563	
ILLINOIS FED. AID PROJECT VBGM0391				

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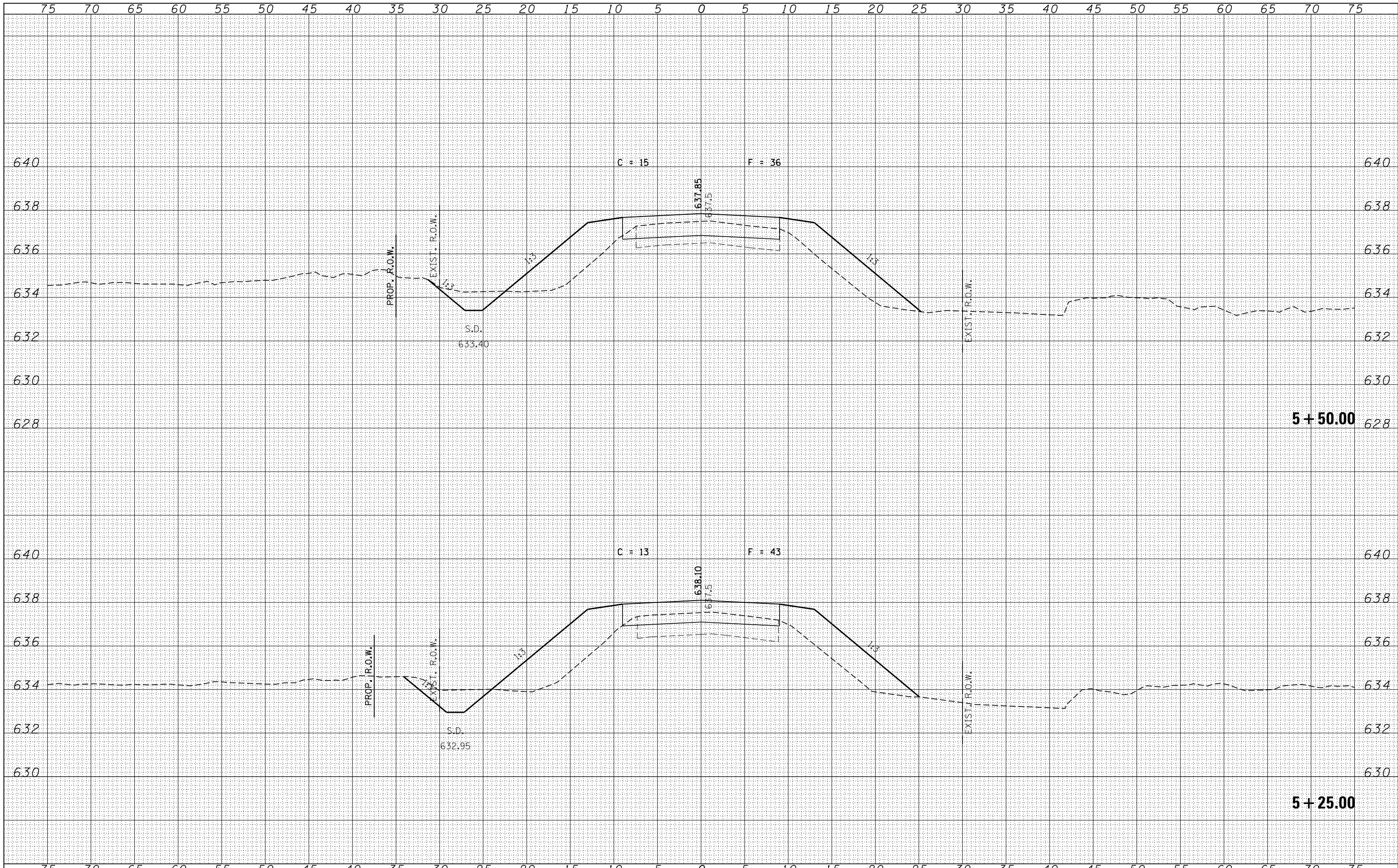
STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
 SCALE: 5H:2V
 SHEET NO. 13 OF 20 SHEETS
 STA. 4+75.00 TO STA. 4+75.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
261	15-14141-00-BR	VERMILION	36	29
OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563	
ILLINOIS FED. AID PROJECT V8GM039J				

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 3885 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
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STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

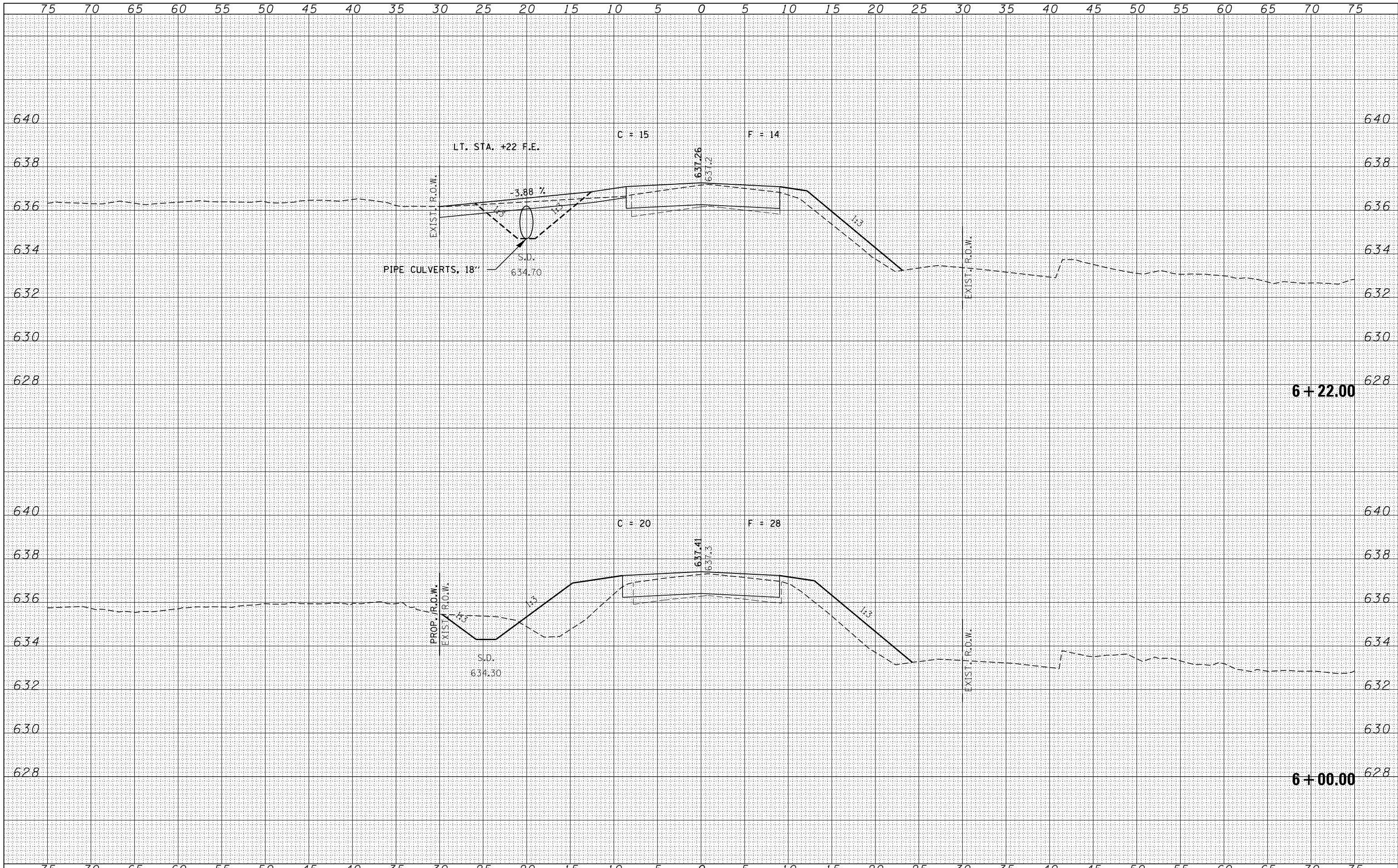
STATION CROSS SECTIONS

SCALE: 5H:2V
 SHEET NO. 15 OF 20 SHEETS
 STA. 5+25.00 TO STA. 5+50.00

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261	15-14141-00-BR	VERMILION	36	31
OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563	
ILLINOIS FED. AID PROJECT VBGM0391				

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 HAMPTON, LENZINI AND RENWICK, INC.
 3885 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 L.S. / P.E. / S.E. CORP. 184.000958

USER NAME = rhosick
 DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
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 PLOT SCALE = *SCALE*
 PLOT DATE = 10/24/2017

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STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V
 SHEET NO. 16 OF 20 SHEETS
 STA. 6+00.00 TO STA. 6+22.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
261	15-14141-00-BR	VERMILION	36	32
OAKWOOD ROAD DISTRICT			CONTRACT NO. 91563	
ILLINOIS FED. AID PROJECT VBGM0391				

