

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 222	07-04132-00-BR	VERMILION	23	1
FED. ROAD DIST. NO.		ILLINOIS CONTRACT NO. 91544		

INDEX OF SHEETS

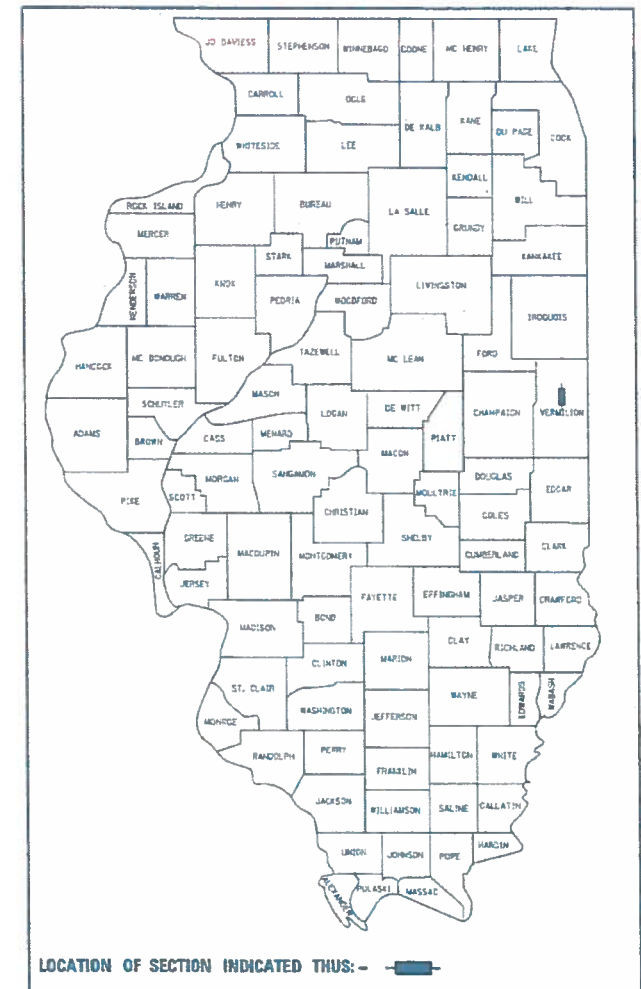
SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	SUMMARY OF QUANTITIES AND GENERAL NOTES
3.	TYPICAL CROSS SECTIONS
4.	PLAN AND PROFILE
5-11.	BRIDGE PLANS
12.	BORINGS
13-23.	STATION CROSS SECTIONS

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
OFF SYSTEM BRIDGE

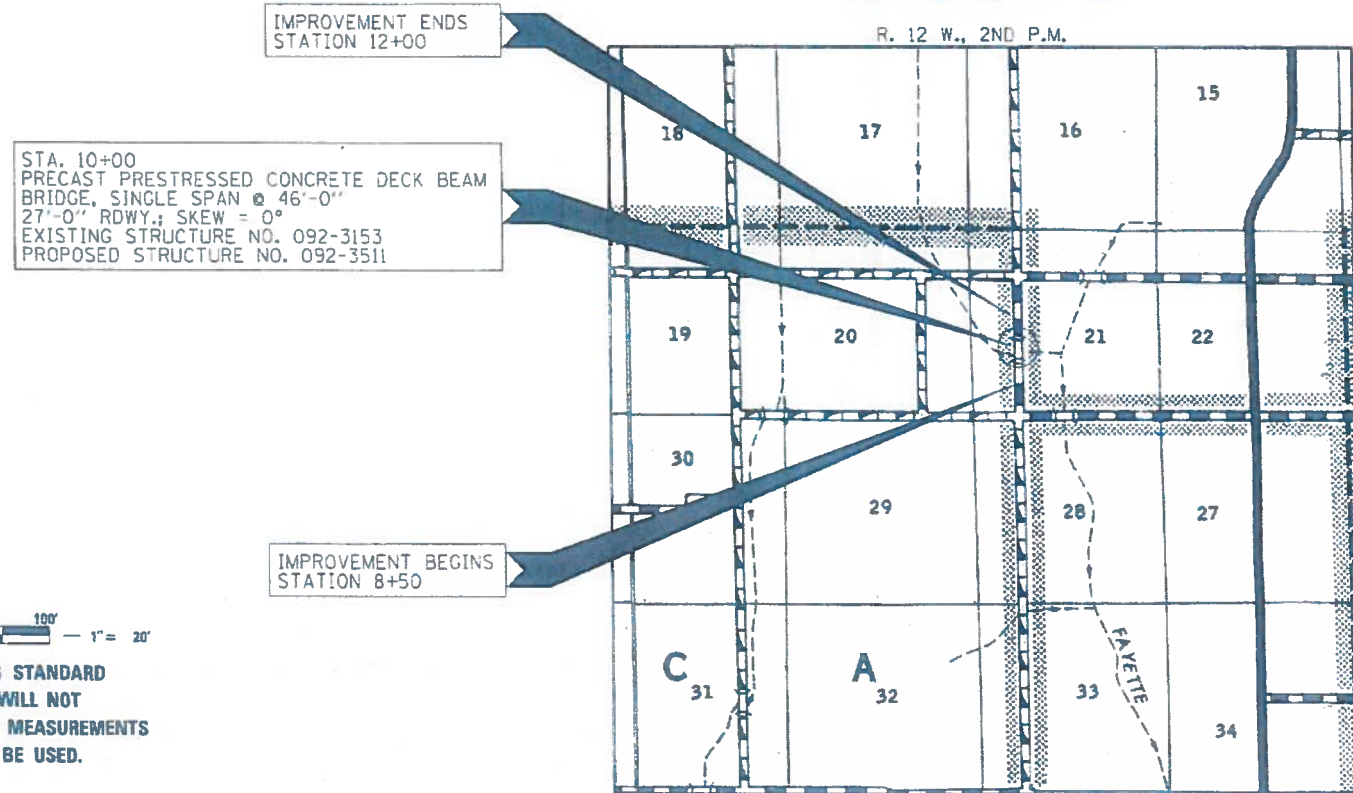
PROJECT SZ7G(083)
SECTION 07-04132-00-BR
CATLIN ROAD DISTRICT
VERMILION COUNTY
T.R. 222
PROPOSED STRUCTURE NO. 092-3511
C-95-310-16



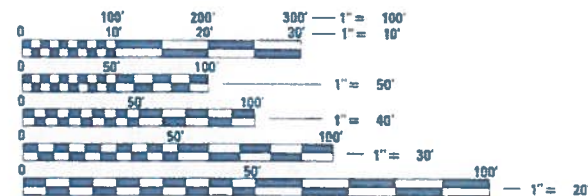
UTILITIES

AMEREN
1050 WEST BOULEVARD
BELLEVILLE, IL 62221

AT&T
1000 COMMERCE DRIVE, 1ST FLOOR
OAKBROOK, IL 60523



STA. 10+00
PRECAST PRESTRESSED CONCRETE DECK BEAM
BRIDGE, SINGLE SPAN @ 46'-0"
27'-0" RDWY., SKEW = 0°
EXISTING STRUCTURE NO. 092-3153
PROPOSED STRUCTURE NO. 092-3511



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: 50 ADT (2016)

LOCATION MAP

APPROXIMATE SCALE: 0 1/2 MILE
NET LENGTH OF SECTION = 350 FEET = 0.666 MILES



ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED 3/26 2018
Adrian R. Freeman
COUNTY ENGINEER

APPROVED 3-26 2018
Matthew M. McGee
TOWNSHIP COMMISSIONER

PASSED APRIL 16 2018
B. K. Kress
DISTRICT FIVE ENGINEER OF LOCAL ROADS & STREETS
4/12 2018
Kensil Garnett
REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.540.3400 www.hlrengineering.com

184.000650
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION
EXPIRES: 11/30/2019
PROJECT NUMBER: 15,0148,130
DATE: 03/20/18

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	CONSTRUCTION
			TYPE CODE 0010 TOTAL
20200100	EARTH EXCAVATION	CU YD	375
20300100	CHANNEL EXCAVATION	CU YD	105
28000500	INLET AND PIPE PROTECTION	EACH	4
A 28100807	STONE DUMPED RIPRAP, CLASS A4	TON	280
A 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	430
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	86
50300225	CONCRETE STRUCTURES	CU YD	24.4
A 50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	1,242
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,720
* 50900205	STEEL RAILING, TYPE S1	FOOT	89
51201400	FURNISHING STEEL PILES HP10X42	FOOT	390
51202305	DRIVING PILES	FOOT	390
51203400	TEST PILE STEEL HP10X42	EACH	2
51204850	PILE SHOES	EACH	8
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	188
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	56
58700300	CONCRETE SEALER	SQ FT	184
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	44
60100945	PIPE DRAINS 12"	FOOT	45
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	6.3
A Z0013798	CONSTRUCTION LAYOUT	L SUM	1

A SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

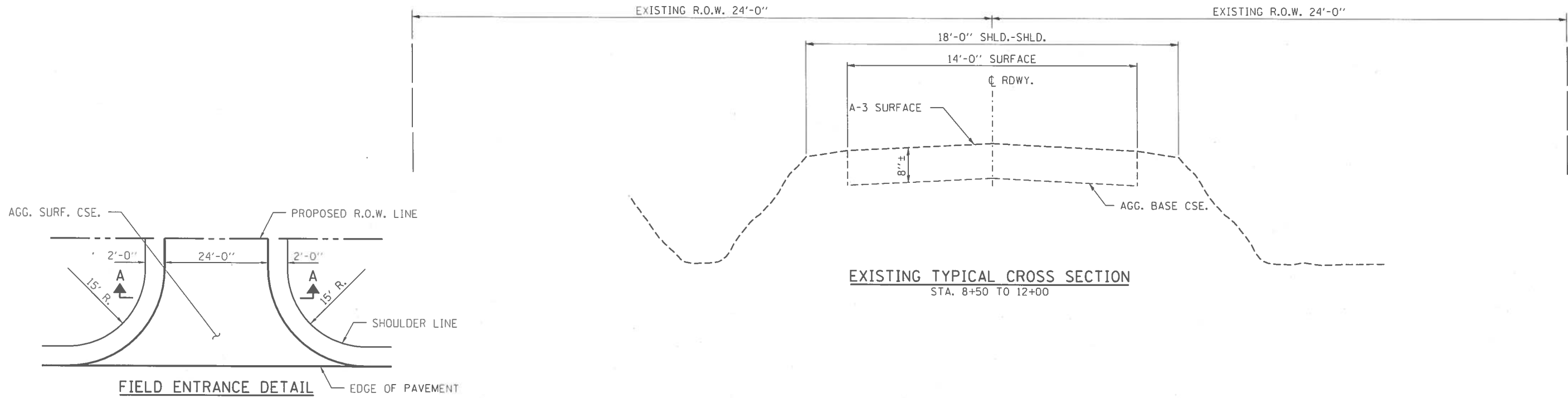
GENERAL NOTES

- 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 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 RIPRAP 1.75 TON/CU YD
 - THE AREA TO BE SEEDS 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
- COMMITMENTS:
 1) NONE

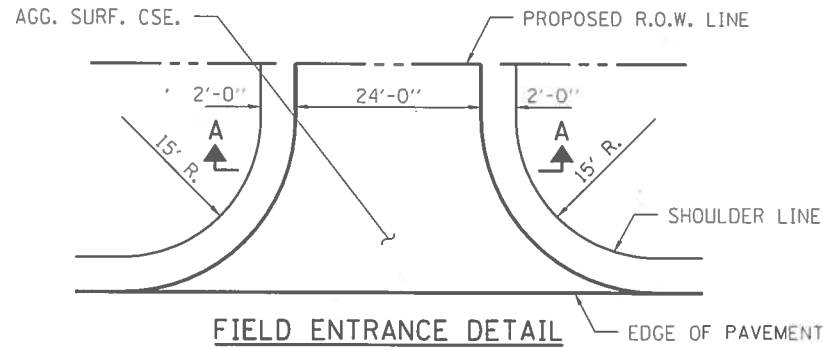
EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	STRUCTURE EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	20200100 CU YD.	20300100 CU YD.	5020100 CU YD.					
TR 222								
STA 8+50 TO STA 9+76.33	188			25.00%	100.00%	141	165	-24
STA 9+76.33 TO STA 10+23.67		105	86	25.00%	70.00%	100	0	100
STA 10+23.67 TO STA 12+00	187			25.00%	100.00%	140	190	-50
								0
TOTAL	374	105	86			381	355	26
USE	375	105	86					26

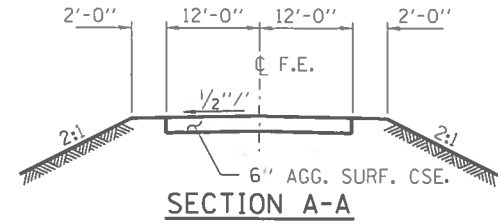
WASTE 26 CU YDS



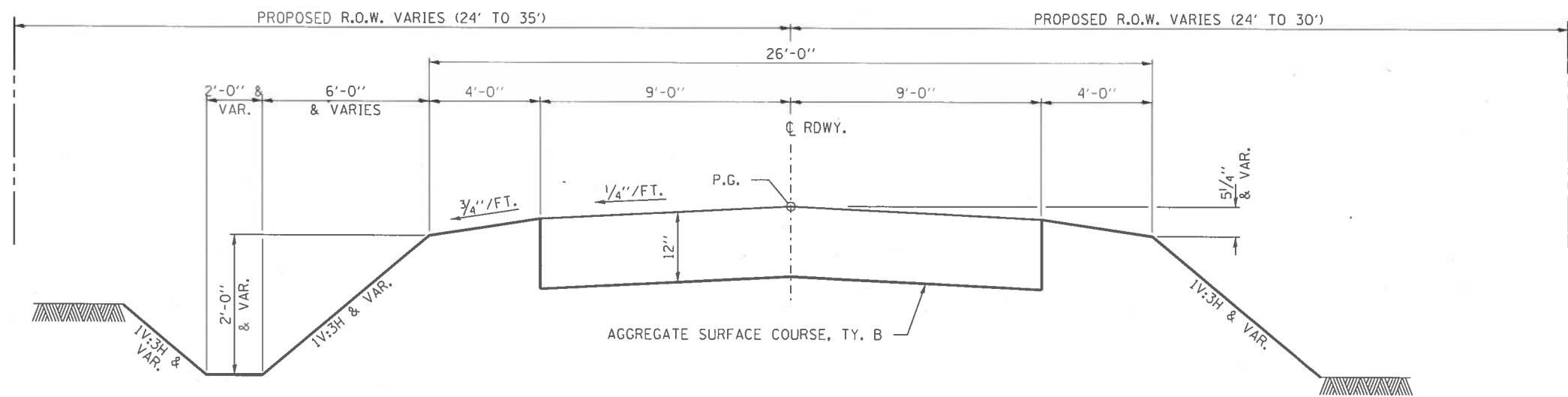
EXISTING TYPICAL CROSS SECTION
STA. 8+50 TO 12+00



FIELD ENTRANCE DETAIL



SECTION A-A



PROPOSED TYPICAL CROSS SECTION
STA. 8+50 TO 12+00

SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

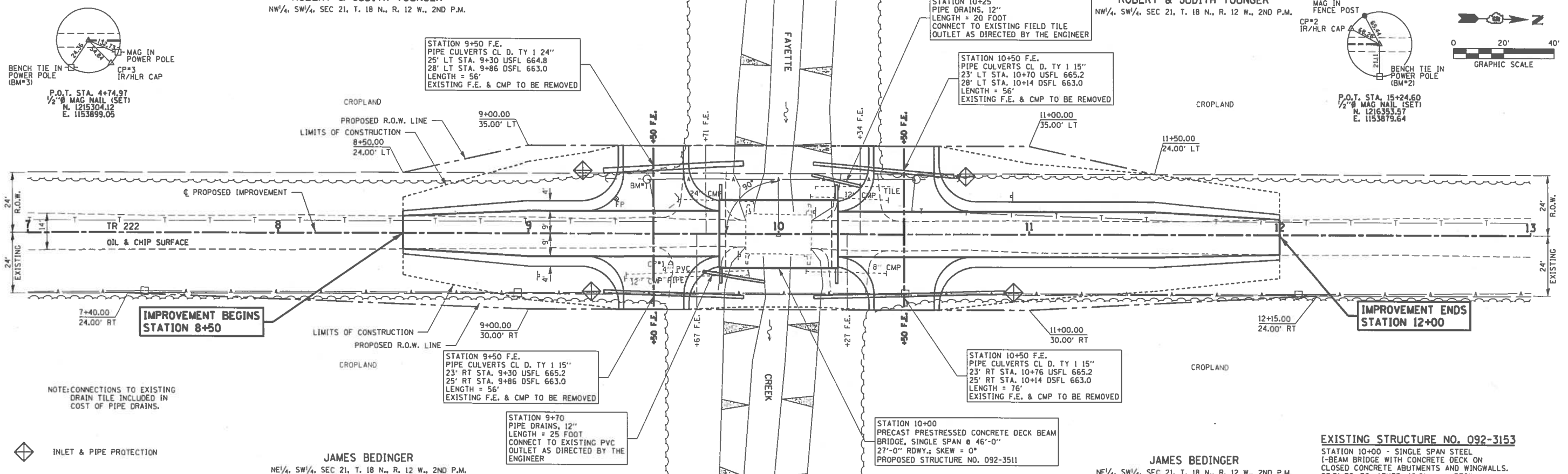
SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

TRANSITIONS FROM THE PROPOSED PAVEMENT TO THE EXISTING PAVEMENT ARE TO BE CONSTRUCTED FROM STA. 8+50 TO 9+00 AND STA. 11+50 TO 12+00. SEE SHEET 5 FOR TRANSITION AT BRIDGE.

FILE NAME = 150148-sh-typsections.dgn	USER NAME = rhaosck	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	TYPICAL CROSS SECTIONS			TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3463 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62779	PLOT SCALE = 8/SCALE8	DRAWN - R.D.H.	REVISED -					222	07-04132-00-BR	VERMILION	23	3
ILLINOIS PROFESSIONAL DESIGN FIRM 18 / PE / SE COMP. 184.800989	PLOT DATE = 3/20/2018	CHECKED - S.W.M.	REVISED -		CATLIN ROAD DISTRICT			CONTRACT NO. 91544				
		DATE - 03/20/18	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT 527G083			

ROBERT & JUDITH YOUNGER
NW 1/4, SW 1/4, SEC 21, T. 18 N., R. 12 W., 2ND P.M.

ROBERT & JUDITH YOUNGER
NW 1/4, SW 1/4, SEC 21, T. 18 N., R. 12 W., 2ND P.M.

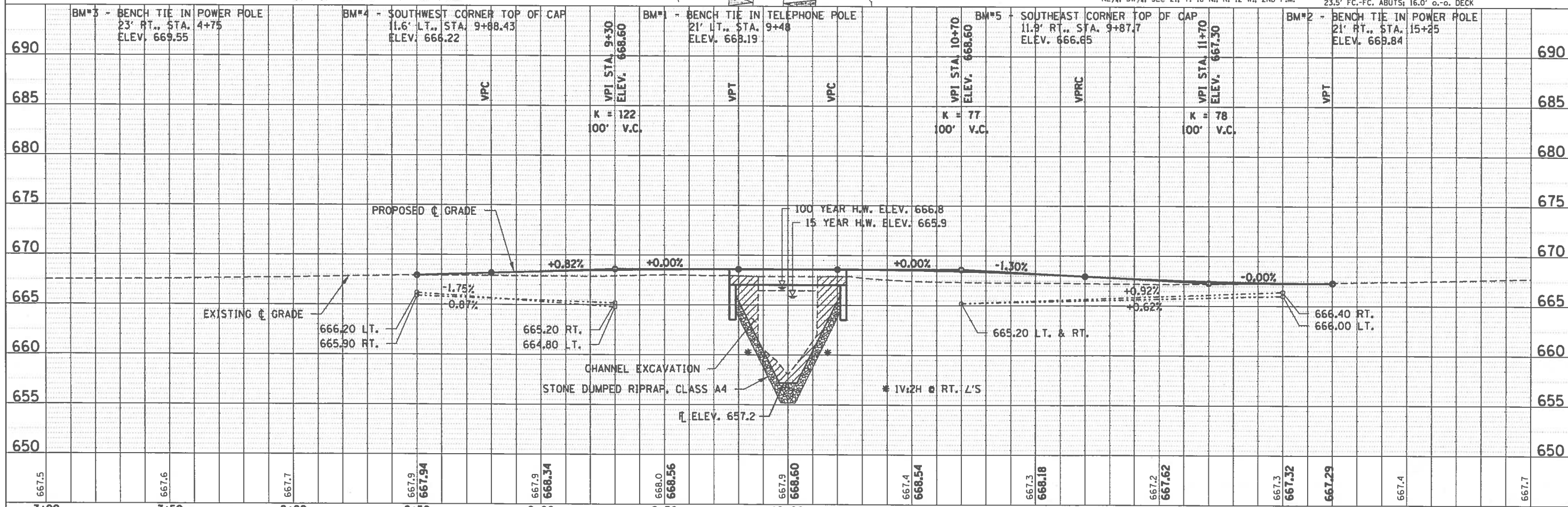


NOTE: CONNECTIONS TO EXISTING DRAIN TILE INCLUDED IN COST OF PIPE DRAINS.

EXISTING STRUCTURE NO. 092-3153
STATION 10+00 - SINGLE SPAN STEEL I-BEAM BRIDGE WITH CONCRETE DECK ON CLOSED CONCRETE ABUTMENTS AND WINGWALLS. 23.5' FC-FC. ABUTS; 16.0' o.-o. DECK

JAMES BEDINGER
NE 1/4, SW 1/4, SEC 21, T. 18 N., R. 12 W., 2ND P.M.

JAMES BEDINGER
NE 1/4, SW 1/4, SEC 21, T. 18 N., R. 12 W., 2ND P.M.



FILE NAME = 150148-ah1-p&g.dgn	USER NAME = rhosick	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE	TR 222	SECTION 07-04132-00-BR	COUNTY VERMILION	TOTAL SHEETS 23	SHEET NO. 4
HAMPTON, LENZINI AND RENWICK, INC. 380 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761 ILLINOIS PROFESSIONAL DESIGN FIRM L8 / PE / SE CORP. 184-000998	PLOT SCALE = 8/SCALE	DRAWN - L.G.C.	REVISED -	SCALE: 20H:5V	SHEET NO. 1 OF 1 SHEETS	STA. 7+00.00	TO STA. 13+00.00	CONTRACT NO. 91544	ILLINOIS FED. AID PROJECT 82710831	
PLOT DATE = 3/20/2018	DATE = 03/20/18	CHECKED - S.W.M.	REVISED -							

PLAN
DATE
BY
SURVEYED
NOTED
CHECKED
ALIGNED
RT. OF WAY
CHECKED
NO.
NOTE BOOK
FILE NAME

PROFILE
DATE
BY
SURVEYED
NOTED
CHECKED
STRUCTURE
NOTATIONS
CHFD
NO.

BENCHMARK: Bench tie in telephone pole, 21.0' Lt. Sta. 9+48, Elev. 668.19

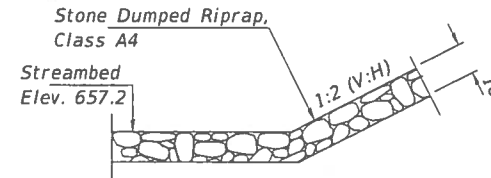
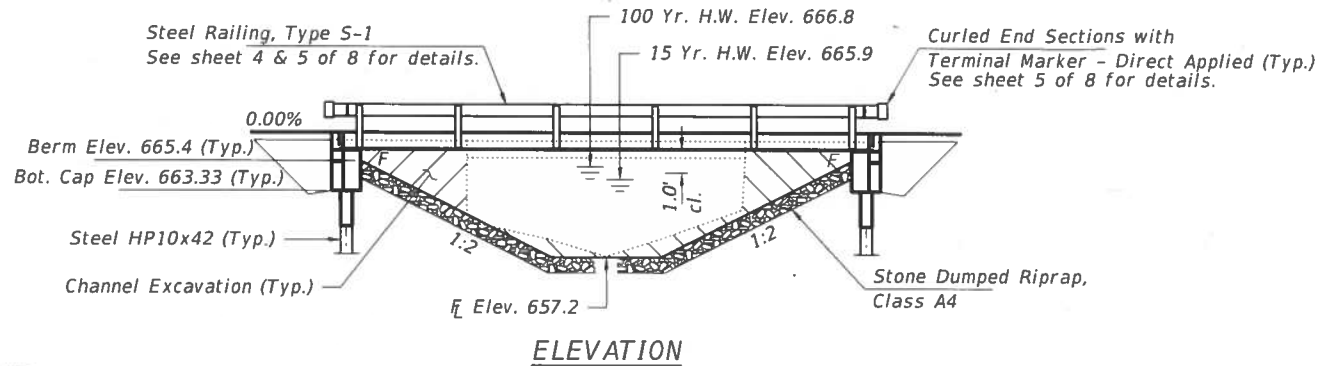
EXISTING STRUCTURE NO. 092-3153: Sta. 10+00, Single span steel I-beam bridge with concrete deck, on closed concrete abutment and wingwalls. 23.5' fc.-fc. abuts.; 16.00' o.-o. deck.

Structure closed to traffic during construction.

No Salvage.

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 North Abutment or approved by the Engineer before ordering the remainder of piles.
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
 All bars to 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.

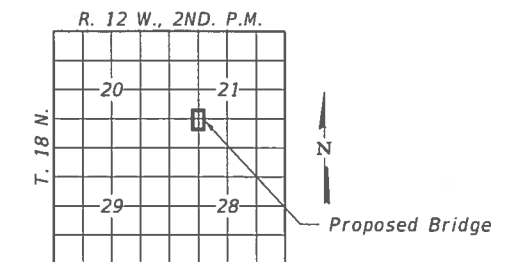


SECTION A-A

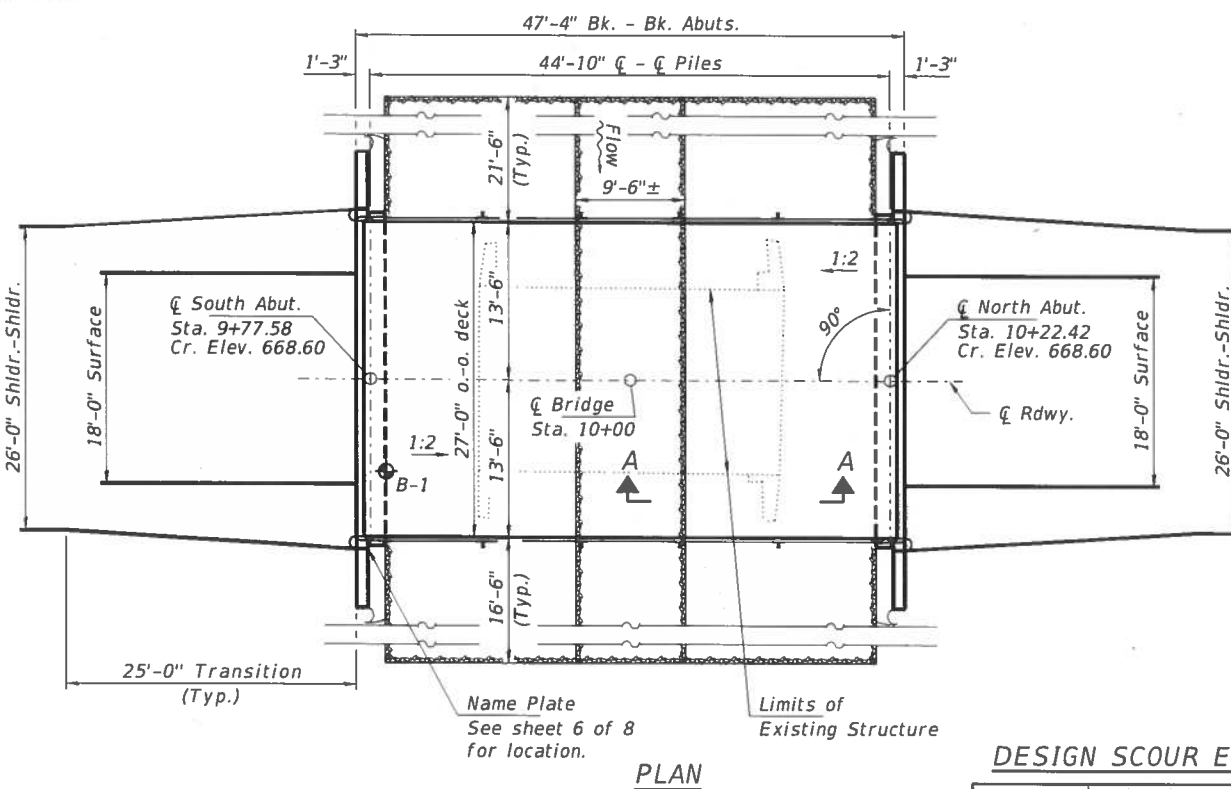
Note: See Special Provisions for Stone Dumped Riprap, Class A4.

INDEX OF STRUCTURE SHEETS

1. General Plan & Elevation
2. 17"x36" PPC Deck Beam
3. 17"x36" PPC Deck Beam Details
4. Superstructure Details
5. Steel Railing, Type S-1
6. Abutments
7. HP Pile Details
8. Borings



LOCATION SKETCH



PLAN

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.)		Item 113
	S. Abut.	N. Abut.	
Q100	663.3	663.3	8
Q200	663.3	663.3	
Design	663.3	663.3	
Check	663.3	663.3	

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with all interims.

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

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

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
 f'ci = 5,000 psi
 fpu = 270,000 psi (1/2" low lax. strands)
 fpbt = 201,960 psi (1/2" low lax. strands)
 fy = 60,000 psi (Reinf.)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.138g
 Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.243g
 Soil Site Class = D

WATERWAY INFORMATION

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. Head - Ft.		Headwater El.		
			Exist.	Prop.	H.W.E. Exist.	Prop.	Exist.	Prop.	
Design	15	540	160	200	665.94	0.10	0.03	666.04	665.97
Base	100	880	170	240	666.81	0.38	0.40	667.19	667.21
Scour Check	200	1010	170	250	666.98	0.39	0.56	667.37	667.54
Existing Overtop	100	880	170		666.81	0.38		667.19	666.81
Proposed Overtop	500	1190		250	667.18		0.76	667.18	667.94
Max. Calc.	500	1190	170	250	667.18	0.31	0.76	667.49	667.94

Existing Low Grade Elev. 667.2 @ Sta. 11+50
 Proposed Low Grade Elev. 668.0 @ Sta. 11+20
 Drainage Area = 3.5 Sq. Mi.

10 Year Velocity through Existing Bridge = 3.1 fps
 10 Year Velocity through Proposed Bridge = 2.5 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. Megginson 03/20/2018
 ILLINOIS STRUCTURAL ENGINEER NO. 081-6064



Expires 11-30-2018

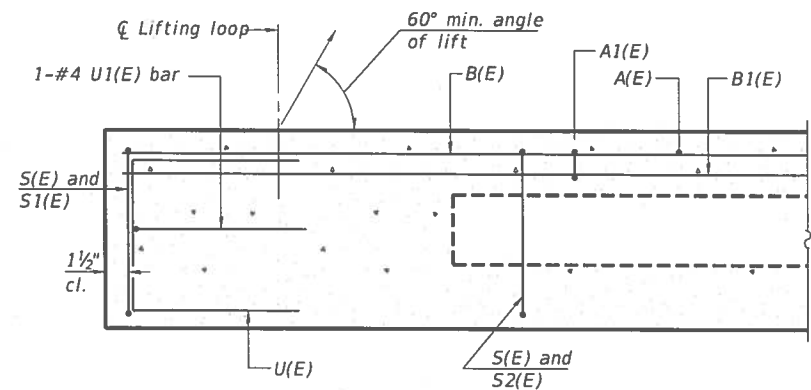
NAME PLATE

See Std. 515001

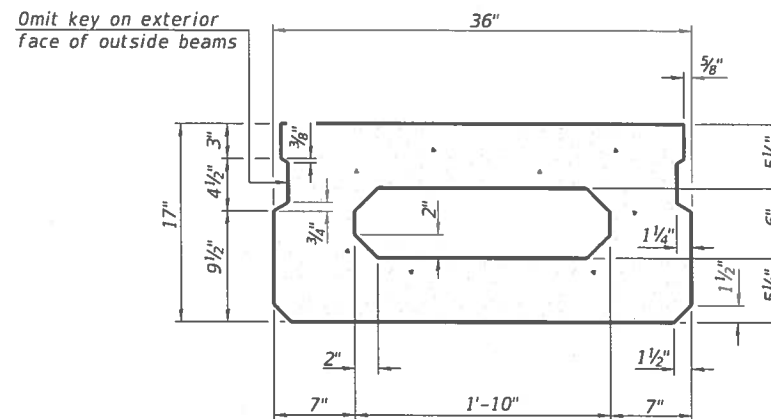
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			105 ✓
Stone Dumped Riprap, Class A4	Ton			260 ✓
Removal of Existing Structures	Each			1 ✓
Structure Excavation	Cu. Yd.		86	86 ✓
Concrete Structures	Cu. Yd.		24.4	24.4 ✓
Precast Prestressed Conc. Deck Beams (17" Depth)	Sq. Ft.	1,242		1,242 ✓
Reinforcement Bars, Epoxy Coated	Pound		2,720	2,720 ✓
Steel Railing, Type S-1	Foot	89		89 ✓
Furnishing Steel Piles HP10x42	Foot		390	390 ✓
Driving Piles	Foot		390	390 ✓
Test Pile Steel HP10x42	Each		2	2 ✓
Pile Shoes	Each		8	8 ✓
Name Plates	Each		1	1 ✓
Concrete Sealer	Sq. Ft.		104	104 ✓
Controlled Low-Strength Material	Cu. Yd.		44	44 ✓
Concrete Cut-Off Wall	Cu. Yd.		6.3	6.3 ✓

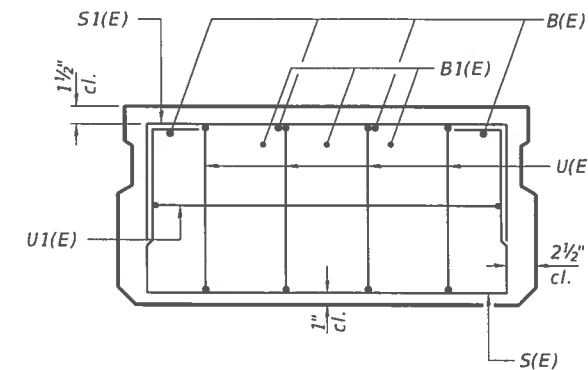
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HAMPTON, LENZINI AND RENWICK, INC. 3665 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62779 ILLINOIS PROFESSIONAL DESIGN FIRM 18 / PE / SE COMP. 184.000958	PLOT SCALE =	CHECKED - S.W.M.	REVISED -		SHEET NO. 1 OF 8 SHEETS	222	07-04132-00-BR	VERMILION	23	5
	PLOT DATE = 3/20/2018	DRAWN - R.D.H.	REVISED -			CATLIN ROAD DISTRICT				CONTRACT NO. 91544
		CHECKED - S.W.M.	REVISED -							ILLINOIS FED. AID PROJECT S27G0B3



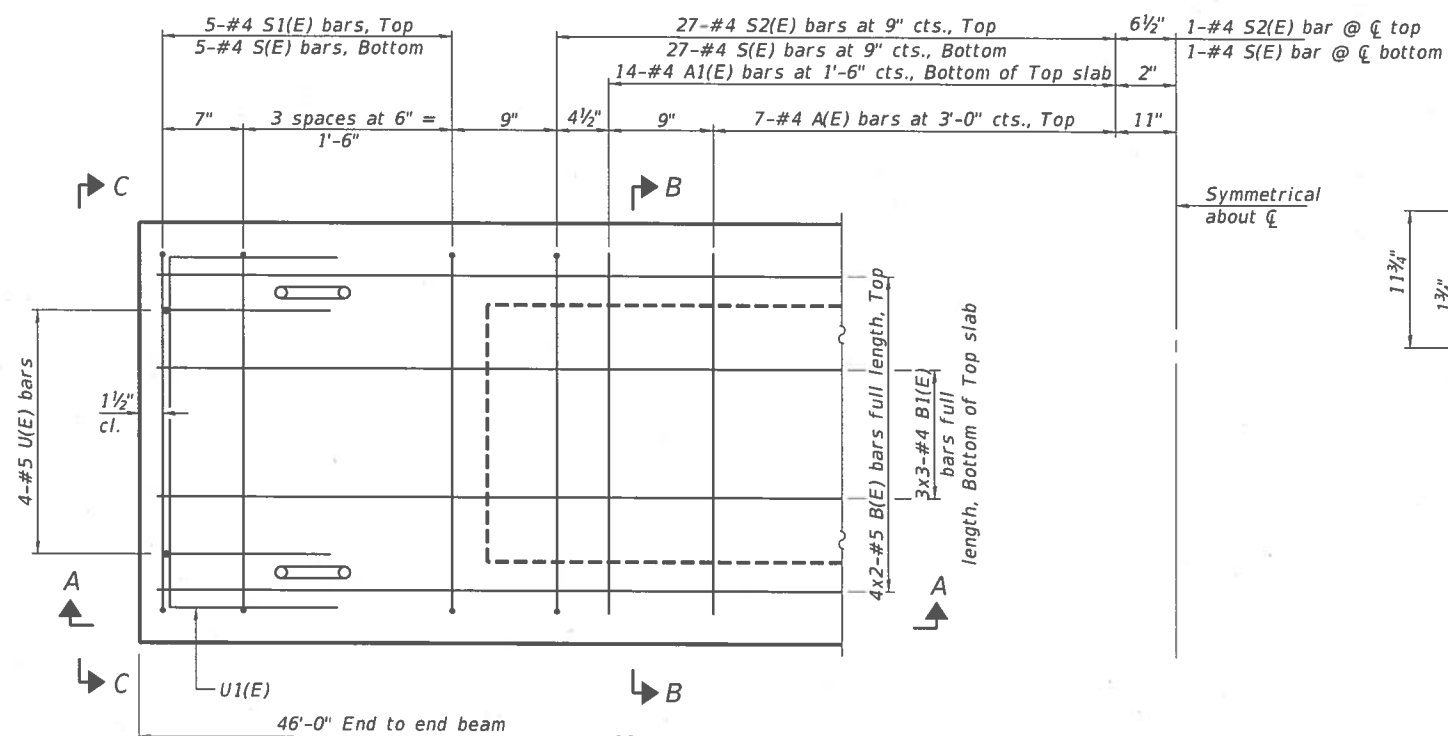
SECTION A-A



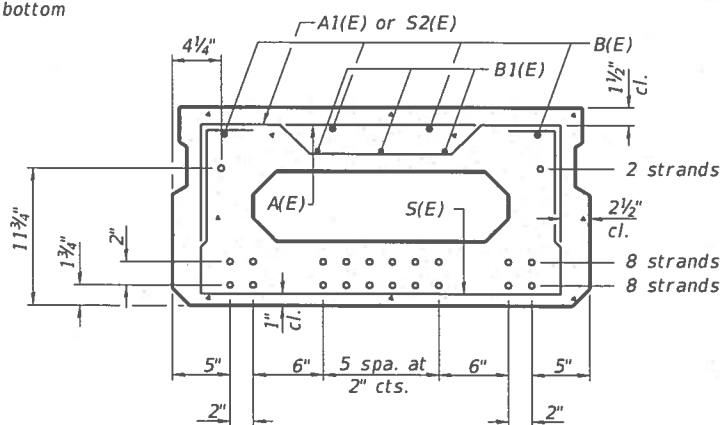
SECTION B-B
(Showing dimensions)



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)	14	#4	2'-7"	—
A1(E)	28	#4	2'-10"	—
B(E)	8	#5	24'-2"	—
B1(E)	9	#4	16'-7"	—
S(E)	65	#4	5'-9"	□
S1(E)	10	#4	4'-3"	□
S2(E)	55	#4	4'-6"	□
U(E)	8	#5	3'-8"	□
U1(E)	2	#4	5'-0"	□

Note: See sheet 3 & 4 of 8 for additional details and Bill of Material.

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

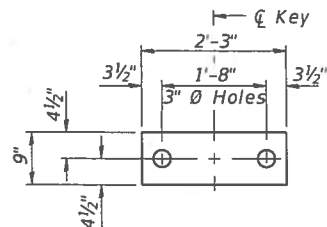
Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.
Bars indicated thus 4x2-#5 etc. indicates 4 lines of bars with 2 lengths per line.

PD-1736-0

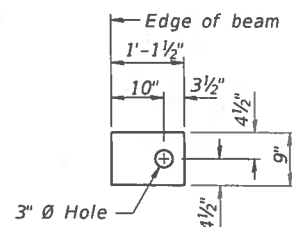
2-17-2017

FILE NAME = ISB14B-sh1-bridge.dgn	USER NAME =	DESIGNED - L.A.P.	REVISIONS	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	17" x 36" PPC DECK BEAM STRUCTURE NO. 092-3511	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3645 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62783	PLOT SCALE =	CHECKED - S.W.M.	REVISIONS			222	07-04132-00-BR	VERMILION	23	6
ILLINOIS PROFESSIONAL DESIGN FIRM L8 / PE / SE CORP. 164.00058	PLOT DATE = 3/28/2018	DRAWN - R.D.H.	REVISIONS			CATLIN ROAD DISTRICT				CONTRACT NO. 91544
		CHECKED - S.W.M.	REVISIONS							ILLINOIS FED. AID PROJECT S276083

SHEET NO. 2 OF 8 SHEETS



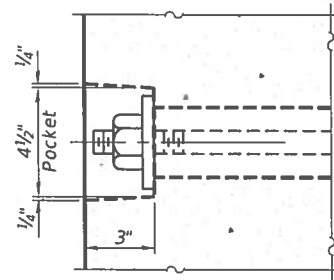
FABRIC BEARING PAD
(Interior - 16 Req'd.)



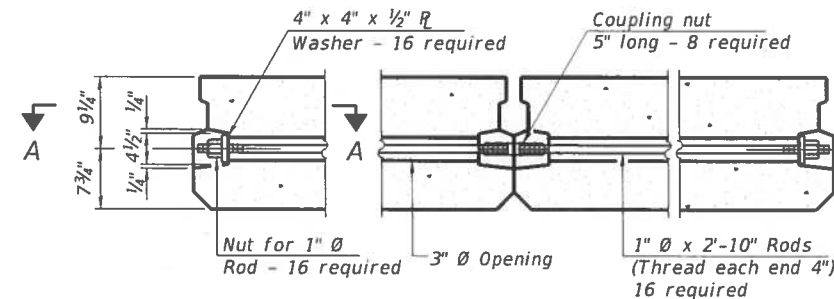
FABRIC BEARING PAD
(Exterior - 4 Req'd.)

FIXED

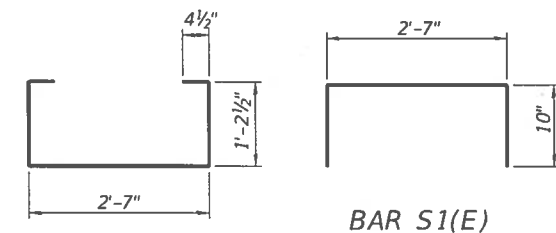
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



SECTION A-A

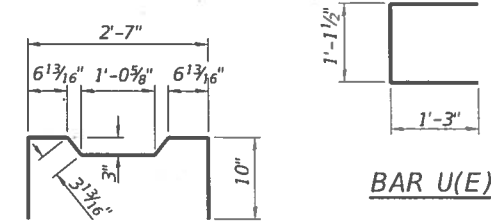


TYPICAL TRANSVERSE TIE ASSEMBLY



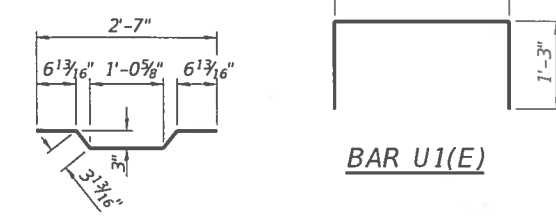
BAR S(E)

BAR S1(E)



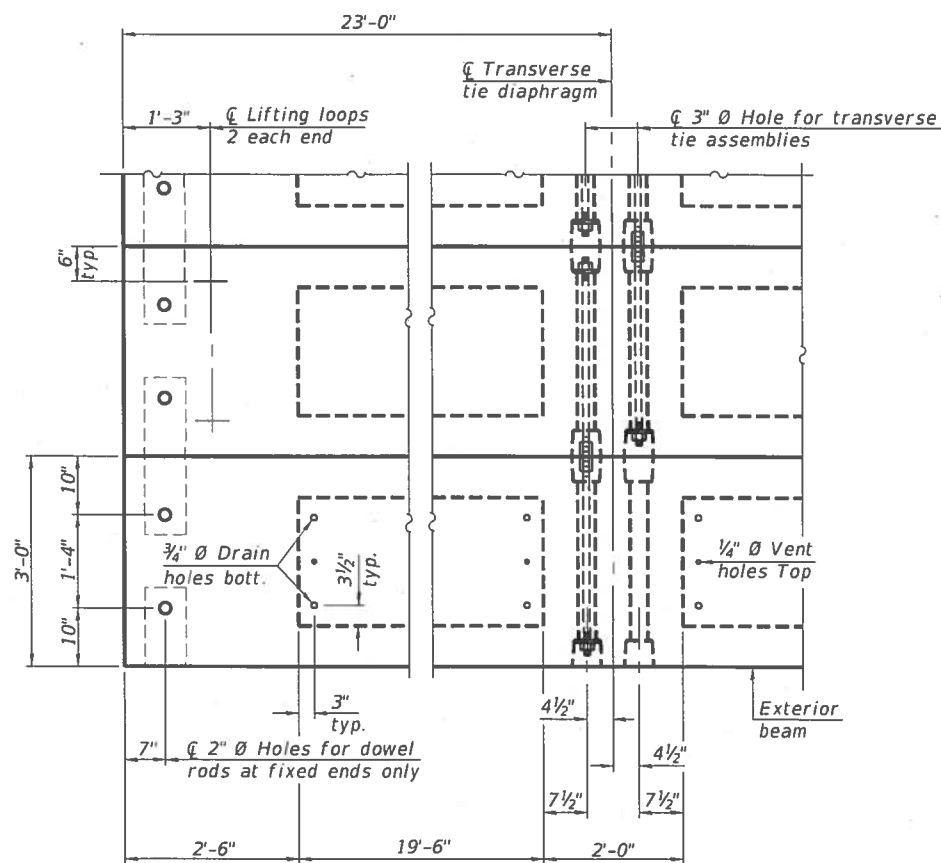
BAR S2(E)

BAR U(E)



BAR A1(E)

BAR U1(E)

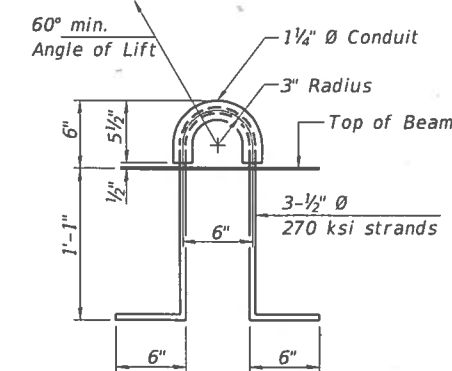


PLAN VIEW

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" and the nominal cross-sectional area shall be 0.153 sq. in.
The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
Corrosion Inhibitor, per Article 1020.05(b)(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.



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (17" depth)	Sq. Ft.	1,242
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PD-1736-0D

2-17-2017

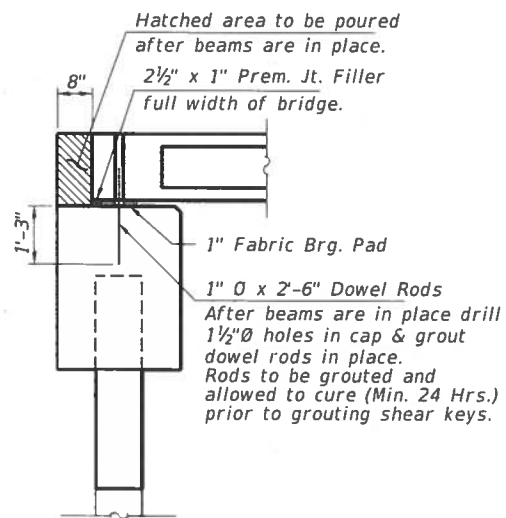
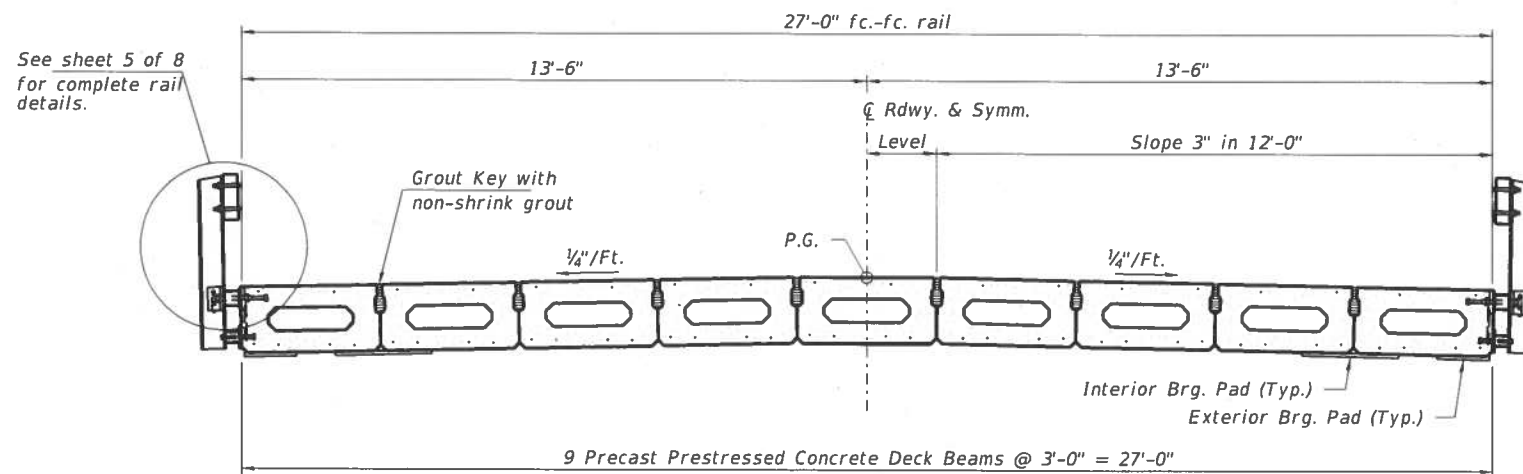
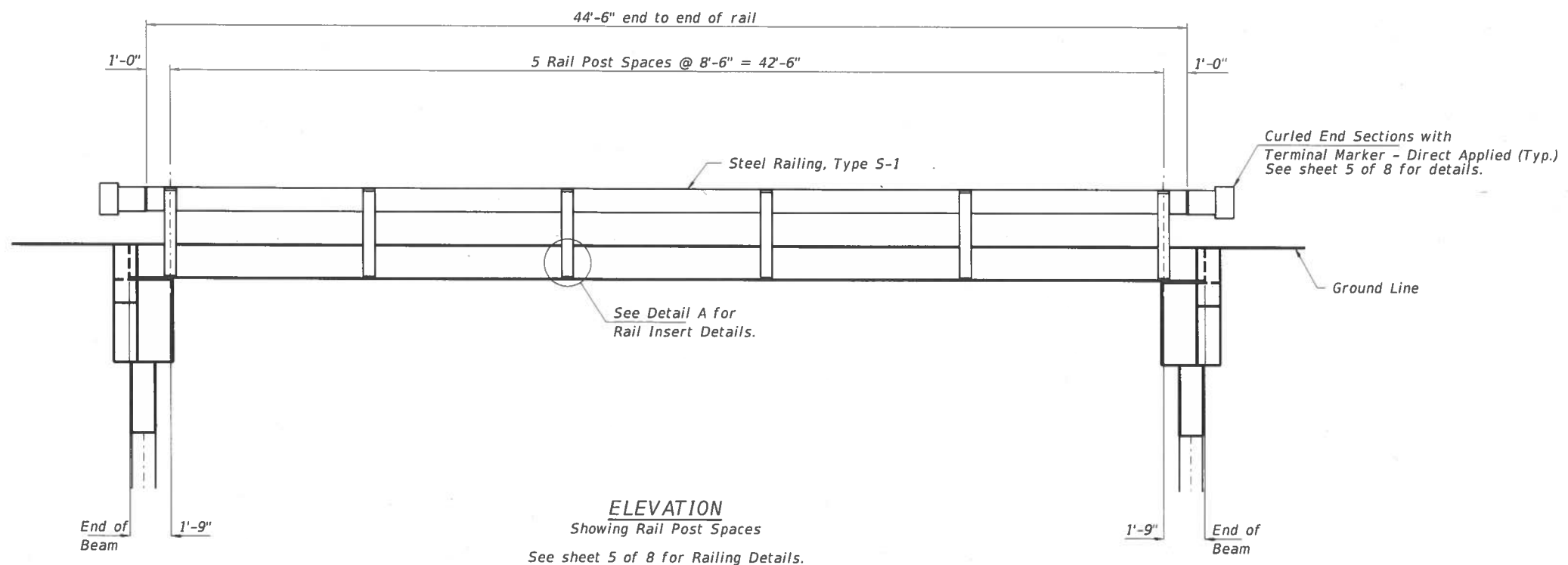
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ILLINOIS PROFESSIONAL DESIGN FIRM L8 / PE / SE CORP. 184.000951	PLOT DATE = 3/28/2018	DRAWN - R.D.H.	REVISED -
		CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
VERMILION COUNTY HIGHWAY DEPARTMENT

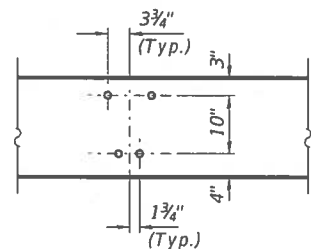
17" x 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 092-3511

SHEET NO. 3 OF 8 SHEETS

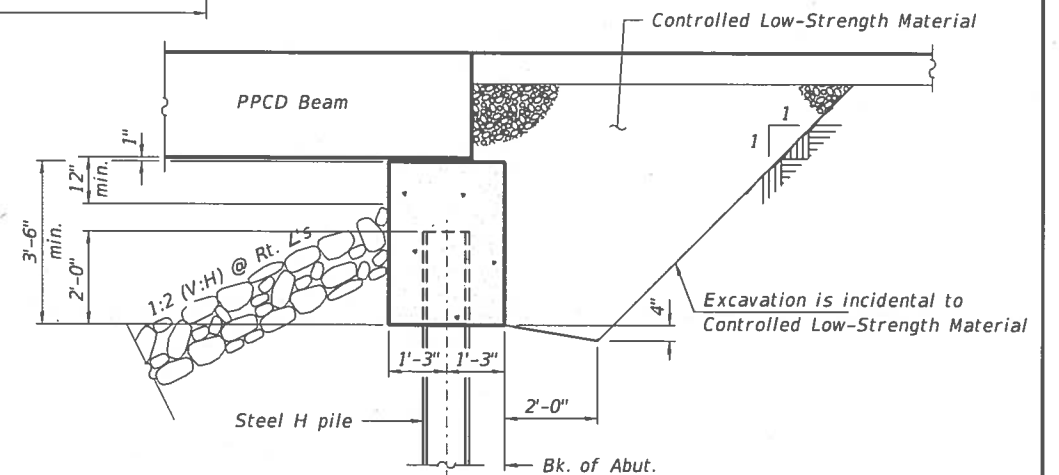
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
222	07-04132-00-BR	VERMILION	23	7
CATLIN ROAD DISTRICT			CONTRACT NO. 91544	
ILLINOIS FED. AID PROJECT 527G083				



SECTION AT ABUTMENTS
@ Rt. L's



DETAIL A



SECTION THRU ABUTMENT
(Horiz. dim. @ Rt. L's)

FILE NAME = 158148-ah-bridge.dgn	USER NAME =
HAMPTON, LENZINI AND RENWICK, INC. 3445 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62763	
PLOT SCALE =	
PLOT DATE = 3/20/2018	

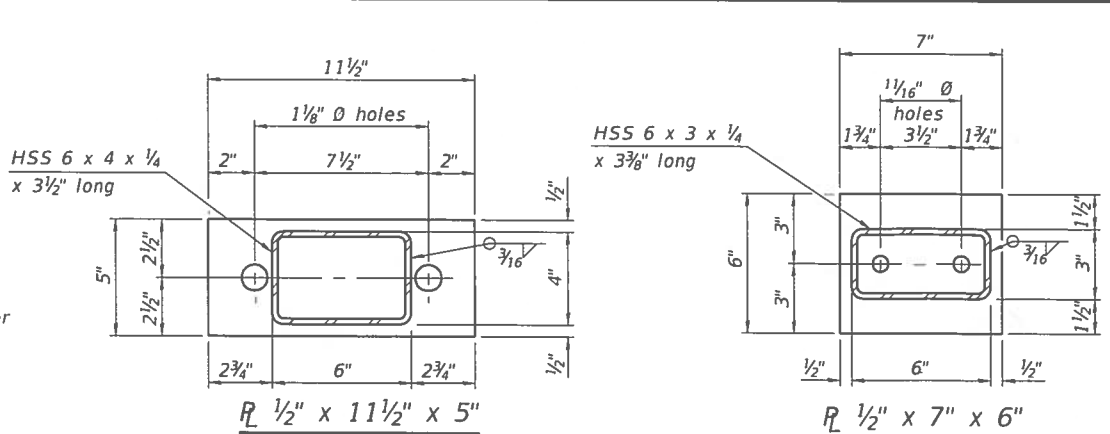
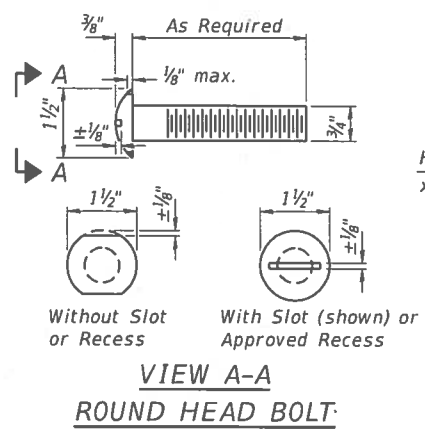
DESIGNED - L.A.P.	REVISIONS
CHECKED - S.W.M.	REVISIONS
DRAWN - R.D.H.	REVISIONS
CHECKED - S.W.M.	REVISIONS

STATE OF ILLINOIS
VERMILION COUNTY HIGHWAY DEPARTMENT

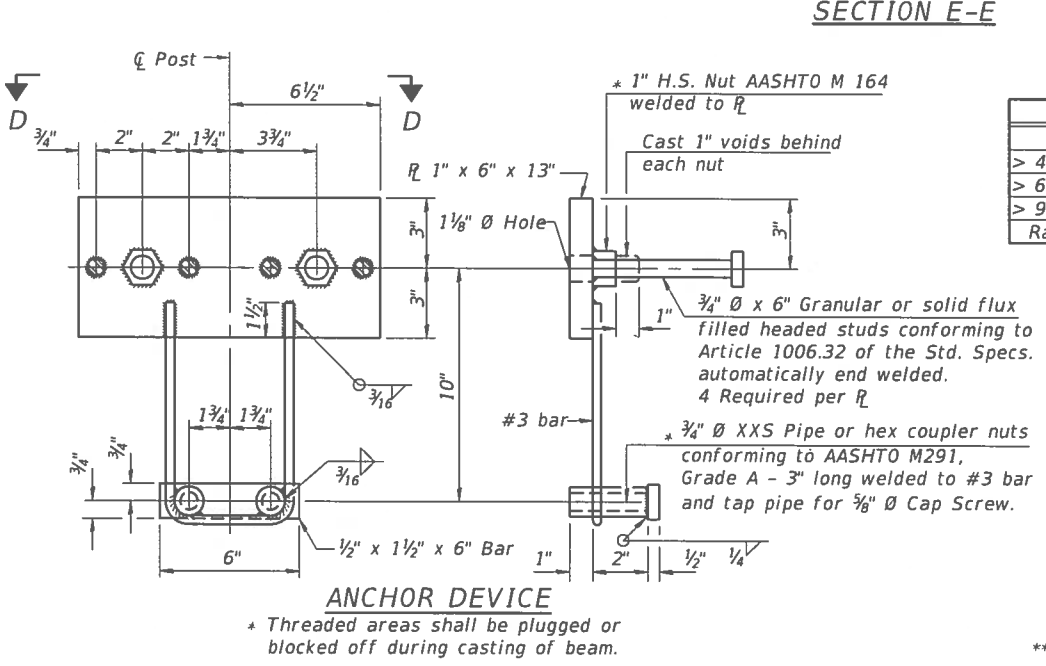
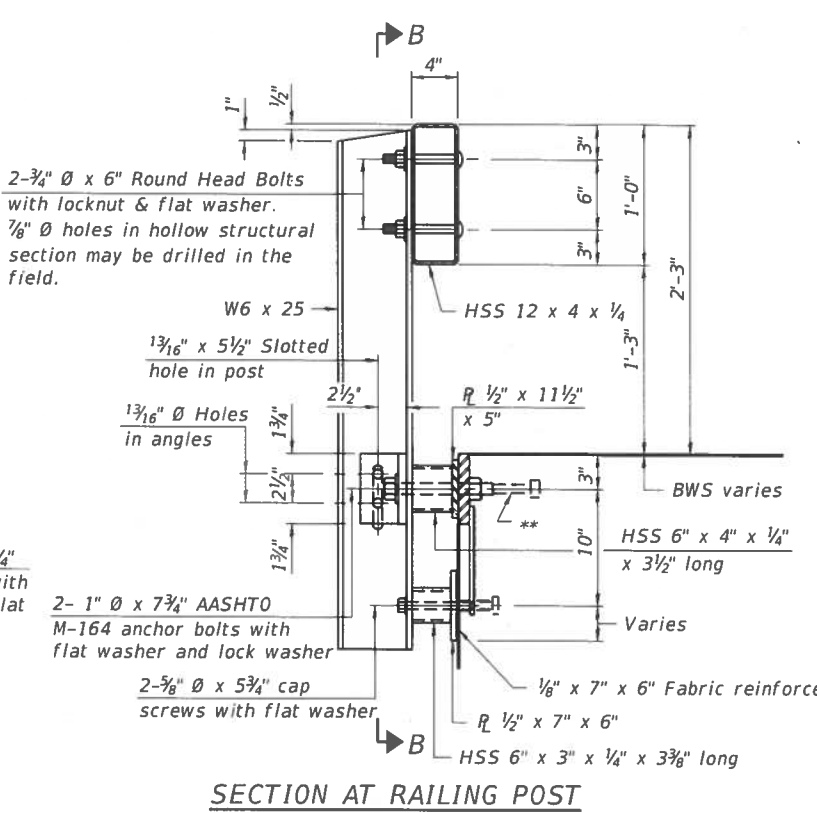
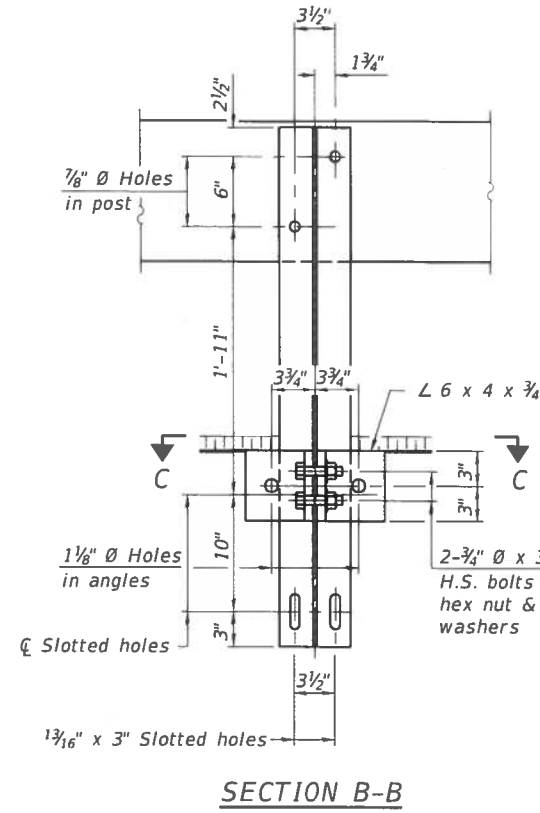
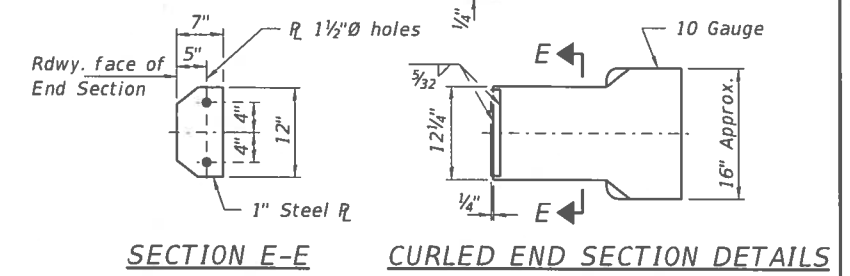
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 092-3511

SHEET NO. 4 OF 8 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
222	07-04132-00-BR	VERMILION	23	8
CATLIN ROAD DISTRICT			CONTRACT NO. 91544	
ILLINOIS FED. AID PROJECT S27G083				



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

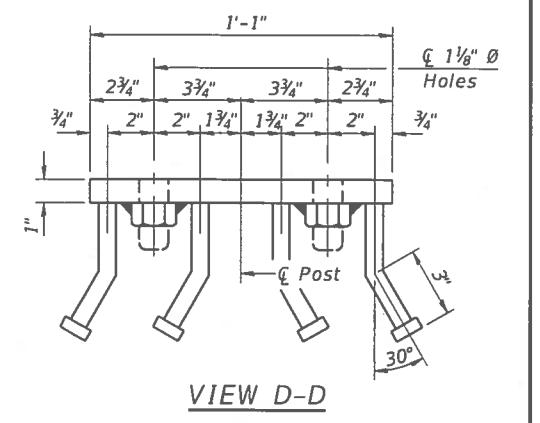
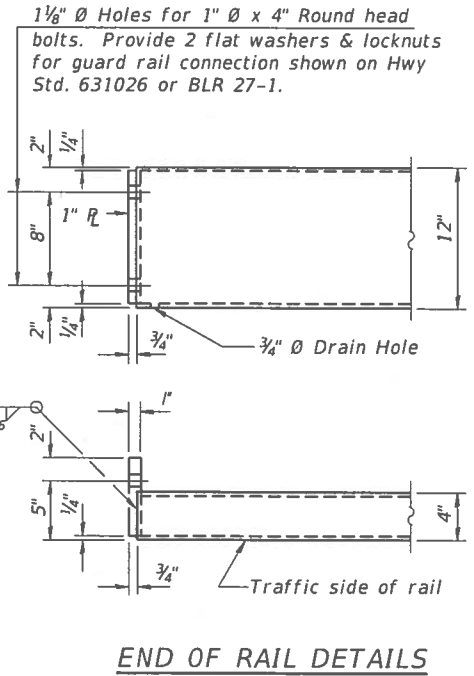
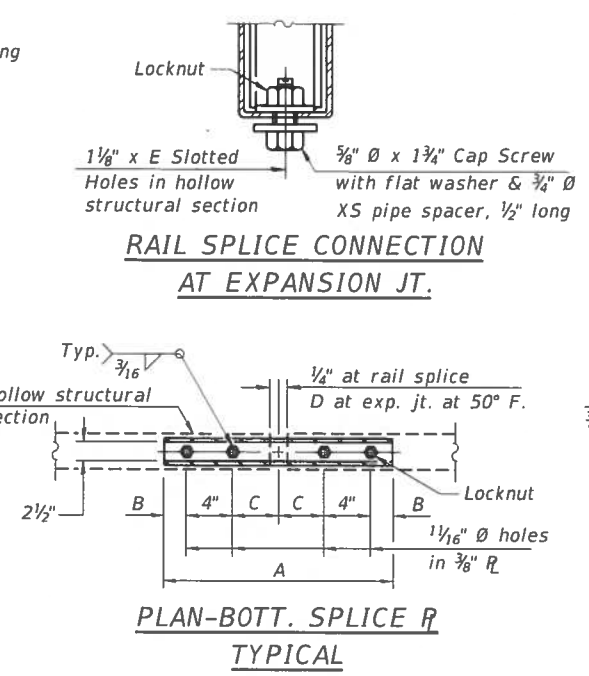
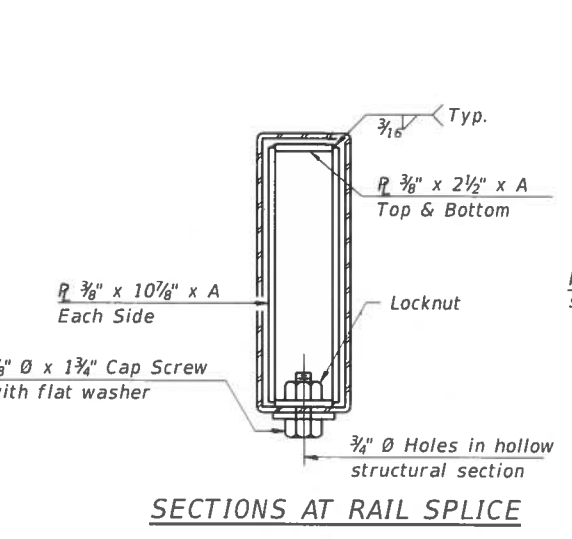
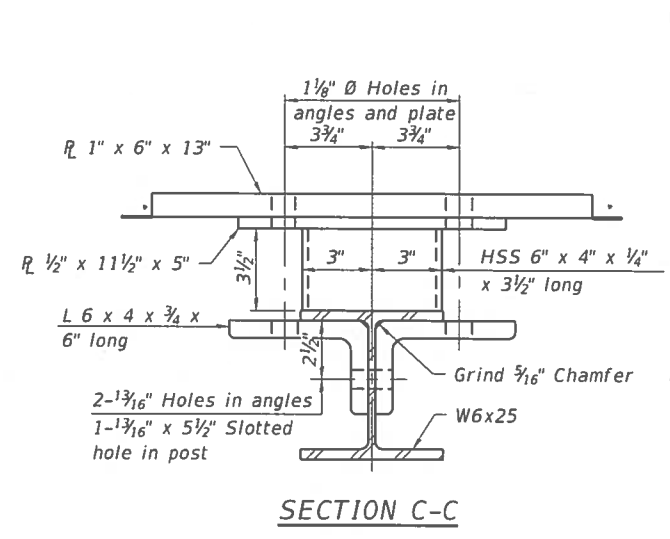


SPLICE DIMENSIONS

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

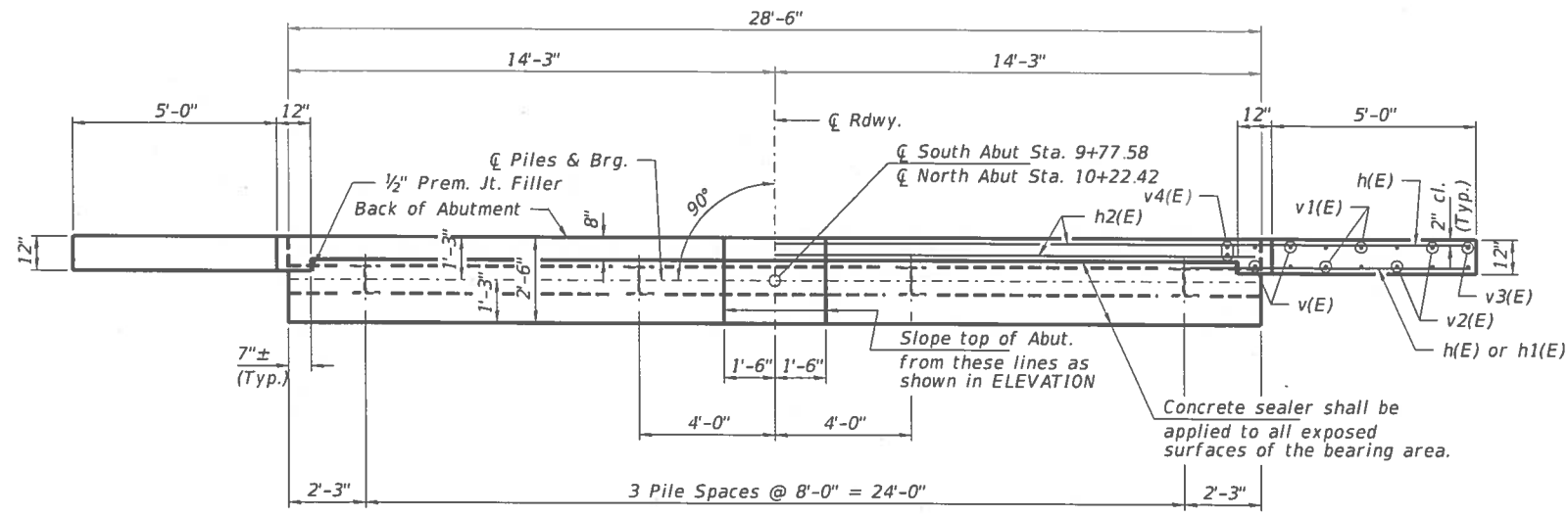
T = Total movement at expansion joint as shown on the design plans.

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.

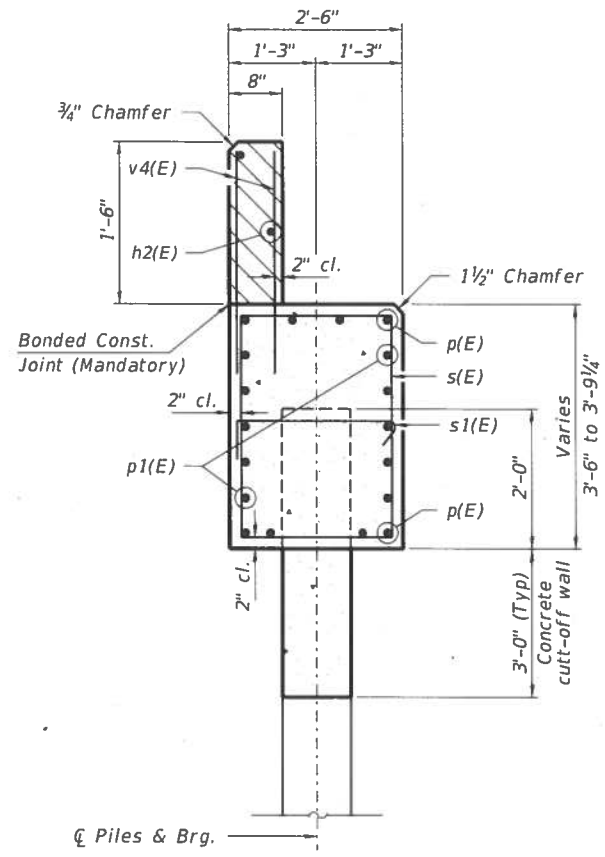


BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	89

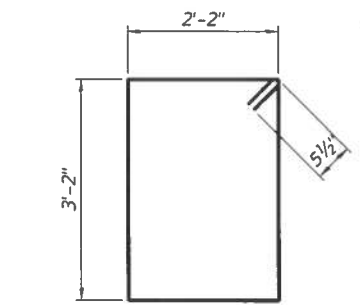


PLAN

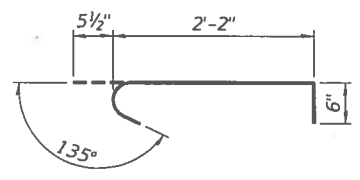


SECTION A-A

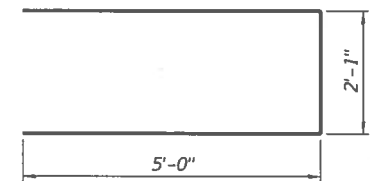
Hatched area to be poured after beams are in place.
Cast top of wingwall flush with exterior beam face after beams have been erected.



BAR s(E)

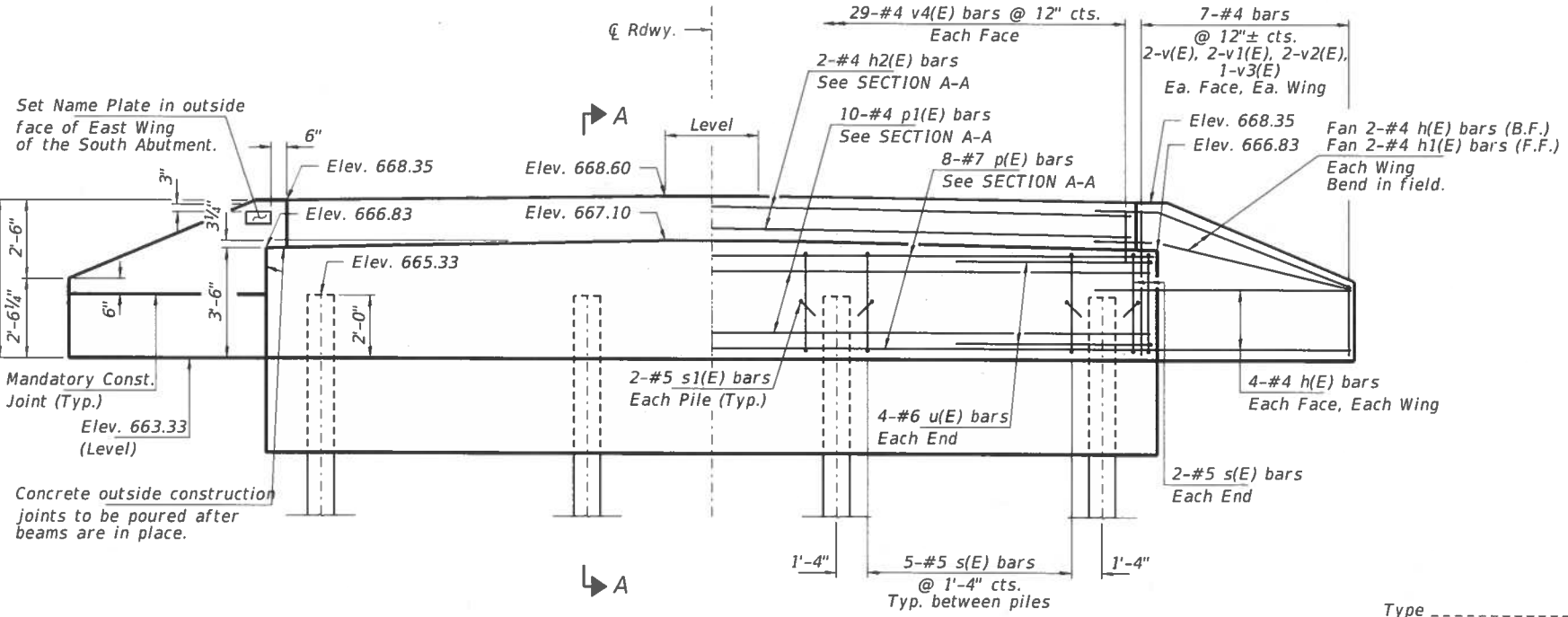


BAR s1(E)



BAR u(E)

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



ELEVATION

PILE DATA

Type ----- Steel Piles HP10x42 w/Pile Shoes
 No. Req'd. (2 Abut.) ----- *8
 Factored Resistance Available (Rf) ----- 146 Kips/Pile
 Nominal Required Bearing (Rn) ----- 265 Kips/Pile
 Est. Length ----- 65 Ft/Pile

Notes: *Includes two test piles to be driven in permanent locations at the Each Abutment.

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

BILL OF MATERIAL - 2 ABUTS.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	40	#4	7'-3"	—
h1(E)	8	#4	5'-9"	—
h2(E)	4	#4	28'-2"	—
p(E)	16	#7	28'-2"	—
p1(E)	20	#4	28'-2"	—
s(E)	38	#5	11'-7"	□
s1(E)	16	#5	3'-2"	┌
u(E)	16	#6	12'-1"	▭
v(E)	16	#4	4'-6"	—
v1(E)	16	#4	3'-8"	—
v2(E)	16	#4	2'-8"	—
v3(E)	4	#4	2'-3"	—
v4(E)	116	#4	2'-4"	—
Structure Excavation			Cu. Yd.	92
Concrete Structures			Cu. Yd.	24.4
Reinf. Bars, Epoxy Coated			Pound	2,720
Steel Piles HP10x42			Foot	390
Test Pile Steel HP10x42			Each	2
Pile Shoes			Each	8
Name Plates			Each	1
Concrete Sealer			Sq. Ft.	104
Concrete Cut-Off Wall			Cu. Yd.	6.3

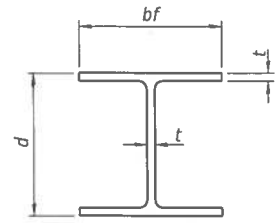
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 CHECKED - S.W.M.
 DRAWN - R.D.H.
 PLOT DATE = 3/20/2018

DESIGNED - L.A.P.
 CHECKED - S.W.M.
 DRAWN - R.D.H.
 PLOT DATE = 3/20/2018

STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

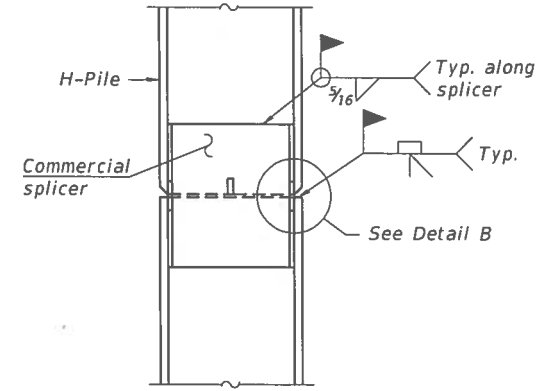
ABUTMENTS
 STRUCTURE NO. 092-3511
 SHEET NO. 6 OF 8 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
222	07-04132-00-BR	VERMILION	23	10
CATLIN ROAD DISTRICT			CONTRACT NO. 91544	
ILLINOIS FED. AID PROJECT 527G083				

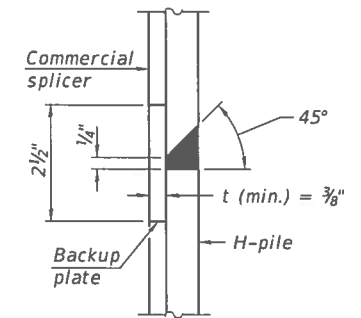


STEEL PILE TABLE

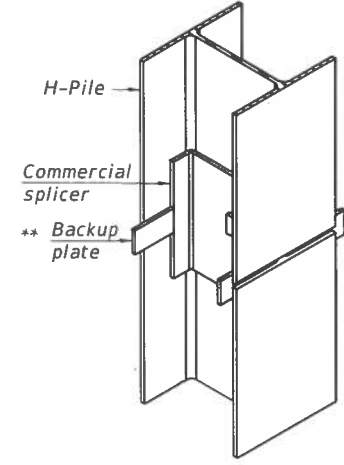
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 3/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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



ELEVATION

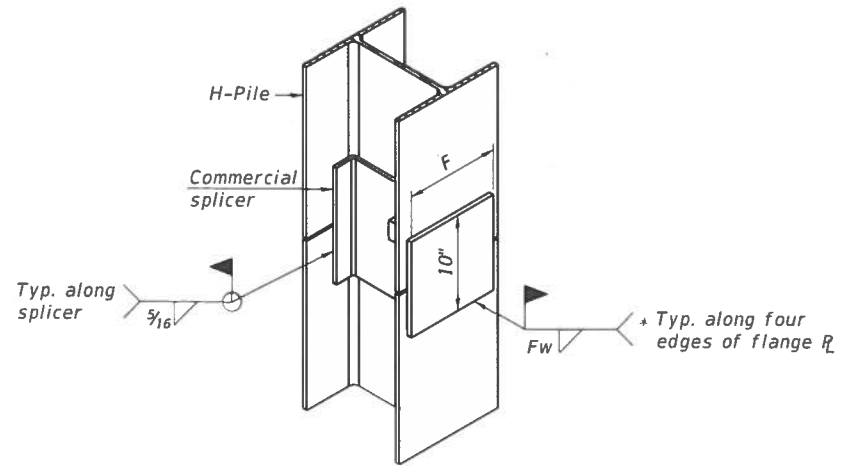


DETAIL "B"



ISOMETRIC VIEW

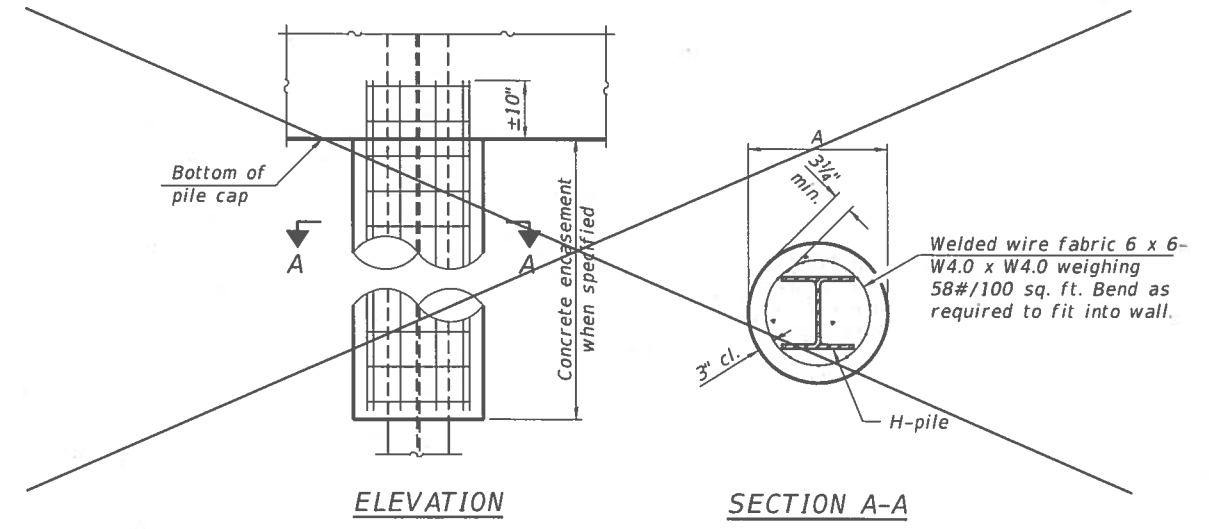
WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

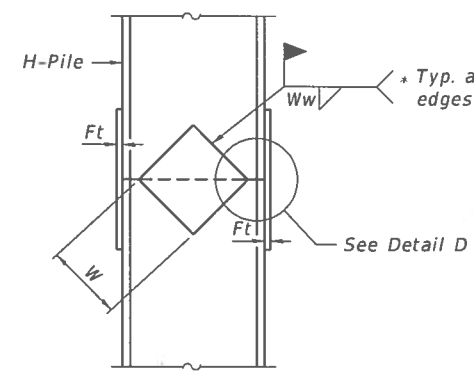
- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).



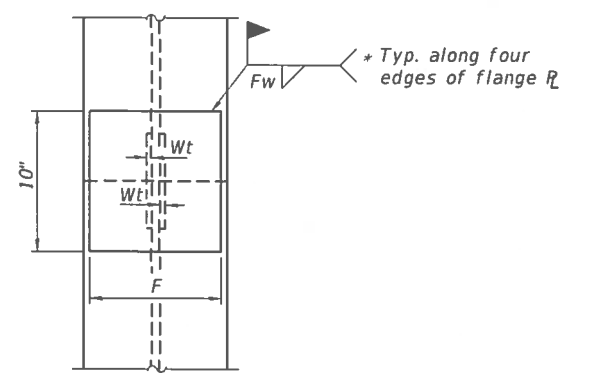
ELEVATION

SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASUREMENT
 (Forms for encasement may be omitted when soil conditions permit).
 (Not Required)

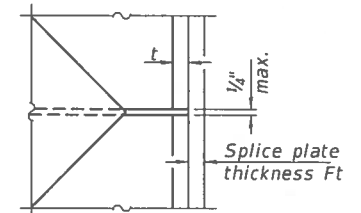


ELEVATION



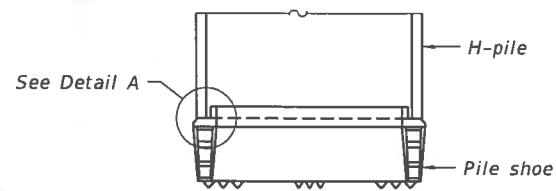
END VIEW

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

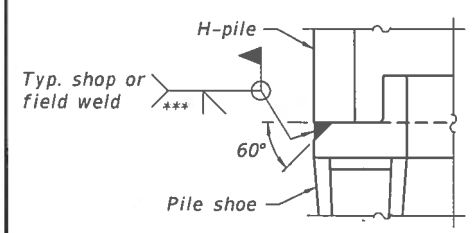


DETAIL D

WELDED PLATE FIELD SPLICE



ELEVATION



DETAIL A

SHOE ATTACHMENT

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

F-HP 8-11-2017



BORING NO. B-1
PAGE 1 OF 2

CLIENT Hampton Lenzini & Renwick, Inc. PROJECT NAME Section 07-04132-00-BR 1130 E Rd, north of 900 N Rd
PROJECT NUMBER 15-G341 PROJECT LOCATION Catlin Twp, Vermillion Co, Illinois
DATE COMPLETED 6/12/15 LOGGED BY NJ/GL DRILLING METHOD 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (ROD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Op) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS				
												LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX		
0	99.3		0-6" GRAVEL FILL													
	96.3		Black SILTY CLAY trace sand and gravel stiff, moist (664.2)	SS 1	56	2-3-3 (8)	1.5		8.6							
	93.3		Brown mottled Gray SILTY CLAY trace sand and gravel stiff, moist (658.2)	SS 2	89	1-2-3 (5)	1.75	1.3	27.8							
	92.8		Gray Fine SAND little gravel very loose, wet (657.7)	SS 3	22	1-1-1 (2)			31.1							
	88.8		Brown SILTY CLAY trace sand and gravel very stiff, moist (653.7)	SS 4	100	2-4-5 (9)	2.0	2.4	15.2							
			Gray SILTY CLAY trace sand and gravel very stiff to hard, moist	SS 5	100	2-3-4 (7)	2.25	2.4	13.3							
				SS 6	100	3-4-5 (9)	2.5	2.7	11.7							
				SS 7	100	3-7-7 (14)	4.5	4.6	10.4							
				SS 8	100	7-10-11 (21)	4.5	4.9	6.7							
				SS 9	100	5-8-10 (18)	4.5	5.4	11.3							
				SS 10	100	5-7-10 (17)	4.5	4.8	10.4							
				SS 11	100	7-9-10 (19)	4.5	6.2	10.4							
	71.3		Gray SANDY SILT trace gravel dense, moist (636.2)	SS 12	33	6-10-13 (23)			6.3							

COMPLETION DEPTH 50 ft GROUND ELEVATION 99.8 ft
CAVE DEPTH 35 ft BACKFILL Soil Cuttings

GROUND WATER LEVELS:
AT TIME OF DRILLING 6.50 ft / Elev 93.30 ft
AT END OF DRILLING —
AFTER DRILLING — Dry at caved depth.

NOTES
From the bridge, the boring is located 8 ft east and 8 ft south of the centerline. The top of the bridge deck in the center was used as a temporary benchmark and assigned an elevation of 100 ft.
(667.4)

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-1
PAGE 2 OF 2

CLIENT Hampton Lenzini & Renwick, Inc. PROJECT NAME Section 07-04132-00-BR 1130 E Rd, north of 900 N Rd
PROJECT NUMBER 15-G341 PROJECT LOCATION Catlin Twp, Vermillion Co, Illinois
DATE COMPLETED 6/12/15 LOGGED BY NJ/GL DRILLING METHOD 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (ROD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Op) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS				
												LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX		
	62.8		Gray SANDY SILT trace gravel dense, moist (continued) (627.7)	SS 13	100	11-13-17 (30)			15.0							
			Gray SILTY CLAY trace sand and gravel stiff to very stiff, moist	SS 14	100	6-7-10 (17)	2.5	2.2	11.4							
				SS 15	100	4-5-5 (10)	2.75	2.2	26.7							
				SS 16	6	5-5-7 (12)	2.75	1.8	12.4							

Bottom of borehole at 50.0 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

FILE NAME = 15B148-sht-bridge.dgn	USER NAME =	DESIGNED - L.A.P.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3043 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62763	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM L.P. / P.E. / S.E. CORP. 181.000058	PLOT DATE = 3/20/2018	DRAWN - R.D.H.	REVISED -
		CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
VERMILION COUNTY HIGHWAY DEPARTMENT

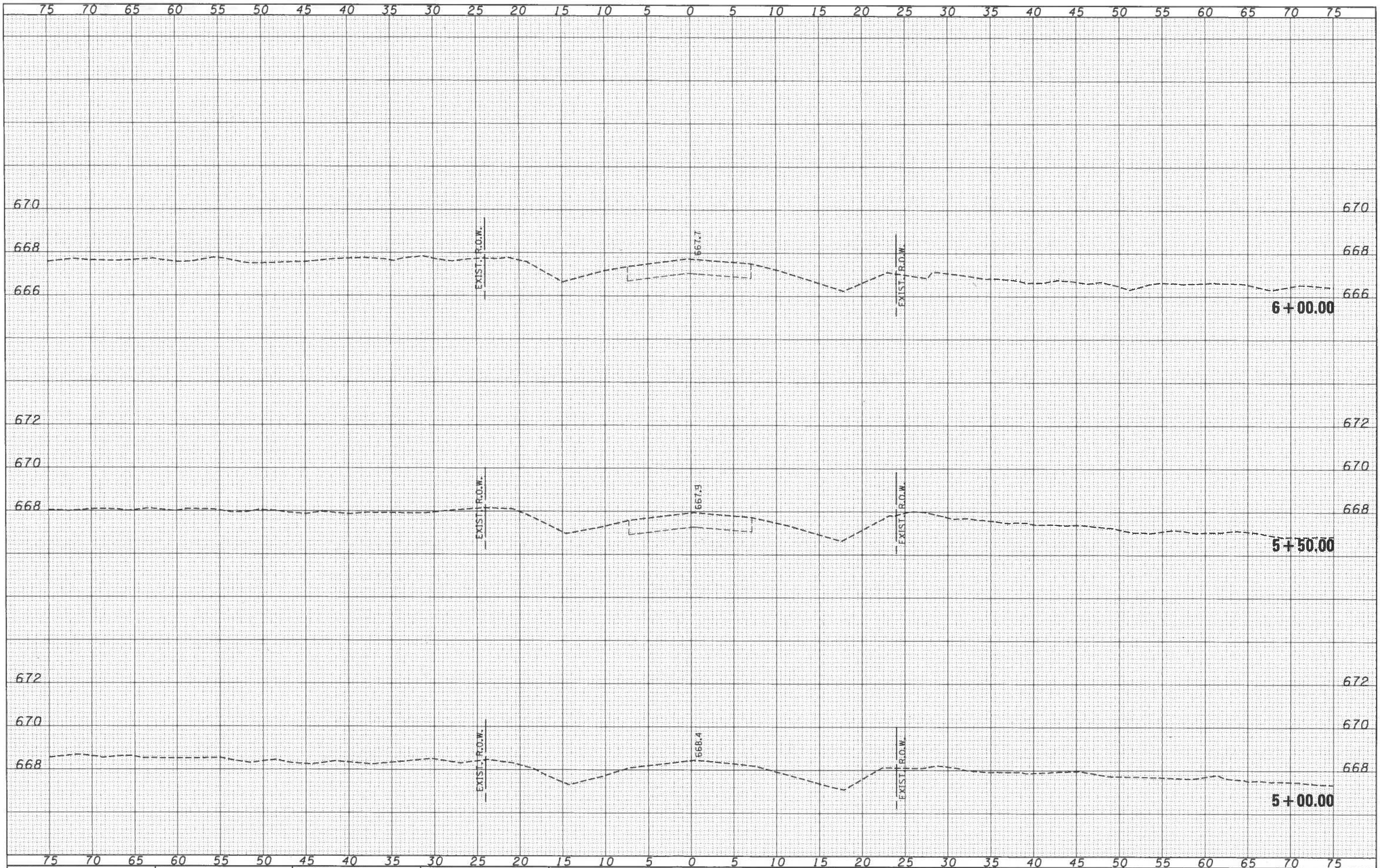
BORINGS
STRUCTURE NO. 092-3511
SHEET NO. 8 OF 8 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
222	07-04132-00-BR	VERMILION	23	12
CATLIN ROAD DISTRICT		CONTRACT NO. 91544		

ILLINOIS FED. AID PROJECT 527G083

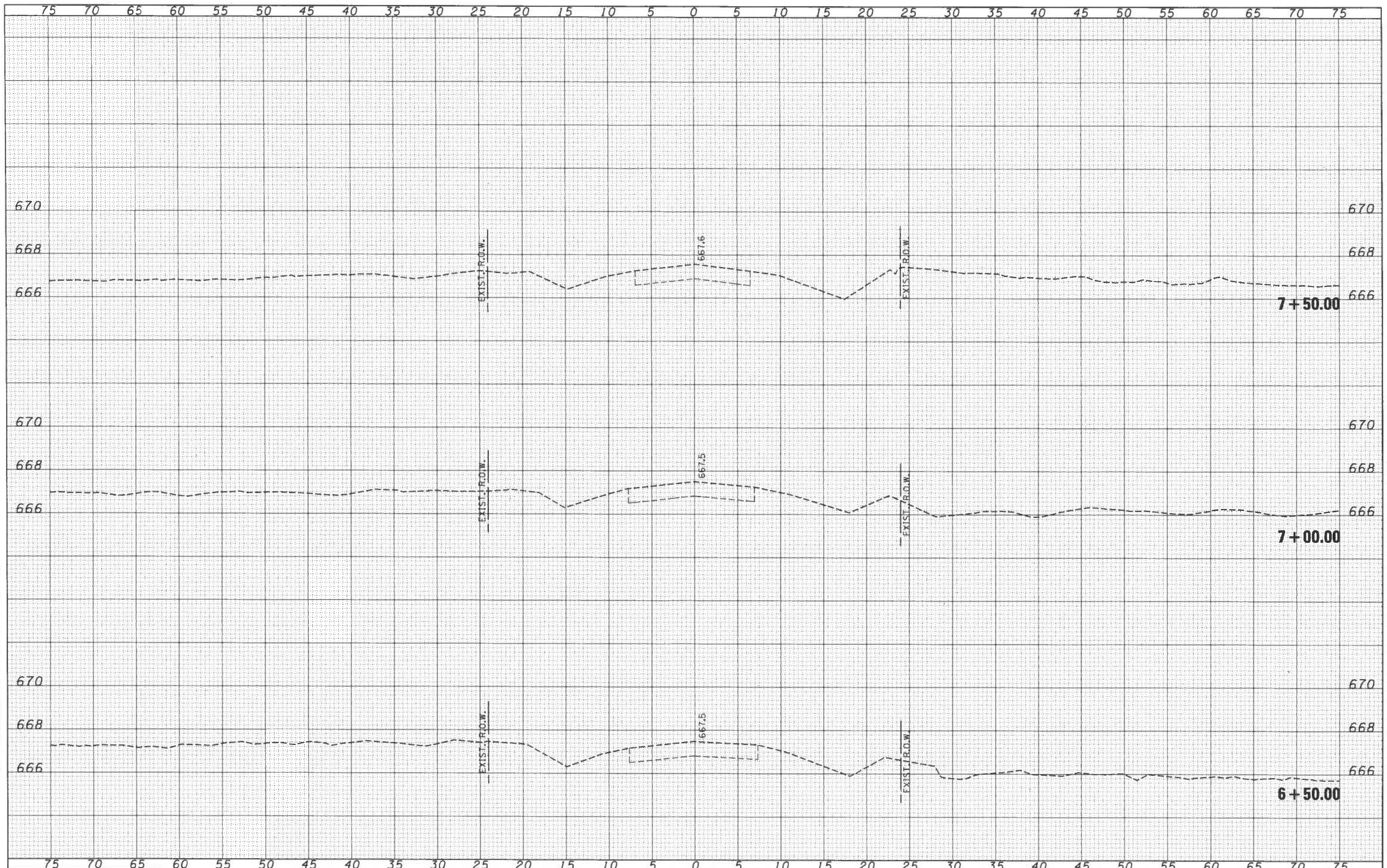
DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



FILE NAME : 150148.sht.dgn	USER NAME : rhorak	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS				
HLR HAMPTON, LENZI AND RENWICK, INC. 304 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761 ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184-000000	PLLOT SCALE : #SCALE#	DRAWN - L.G.C.	REVISED -		TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLLOT DATE : 3/20/2018	DATE - 03/20/18	CHECKED - S.W.M.	REVISED -		222	07-04132-00-BR	VERMILION	23	13
		DATE - 03/20/18	REVISED -		CATLIN ROAD DISTRICT			CONTRACT NO. 91544	

SCALE: 5H:2V SHEET NO. 1 OF 11 SHEETS STA. 5+00.00 TO STA. 6+00.00 [ILLINOIS] FED. AID PROJECT S27G(083)



BY	DATE
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

BY	DATE
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

FILE NAME = 150148-ahf-aaa.dgn

USER NAME = rhorick

HAMPTON, LENZINI AND RENWICK, INC.
 3493 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62733
HLR ILLINOIS PROFESSIONAL DESIGN FIRM
 L3 / PE / SE CORP. 184.000000

PLOT SCALE = #SCALE#
 PLOT DATE = 3/20/2018

DESIGNED -	L.A.P.	REVISED -	
DRAWN -	L.G.C.	REVISED -	
CHECKED -	S.W.M.	REVISED -	
DATE -	03/20/18	REVISED -	

**STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT**

STATION CROSS SECTIONS

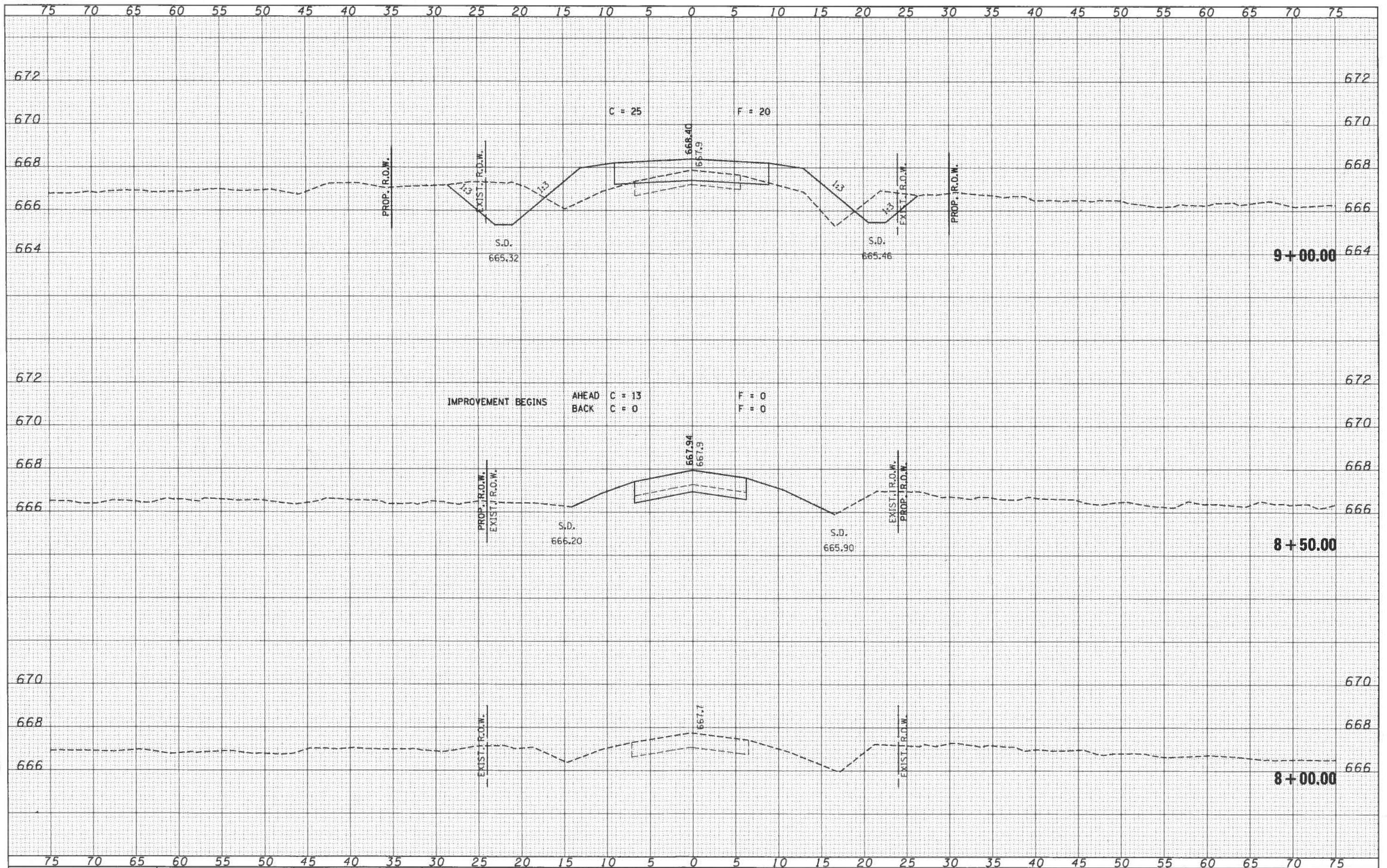
SCALE: 5H:2V SHEET NO. 2 OF 11 SHEETS STA. 6+50.00 TO STA. 7+50.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
222	07-04132-00-BR	VERMILION	23	14
CATLIN ROAD DISTRICT			CONTRACT NO. 91544	

ILLINOIS FED. AID PROJECT SZ7G10831

DATE	
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SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

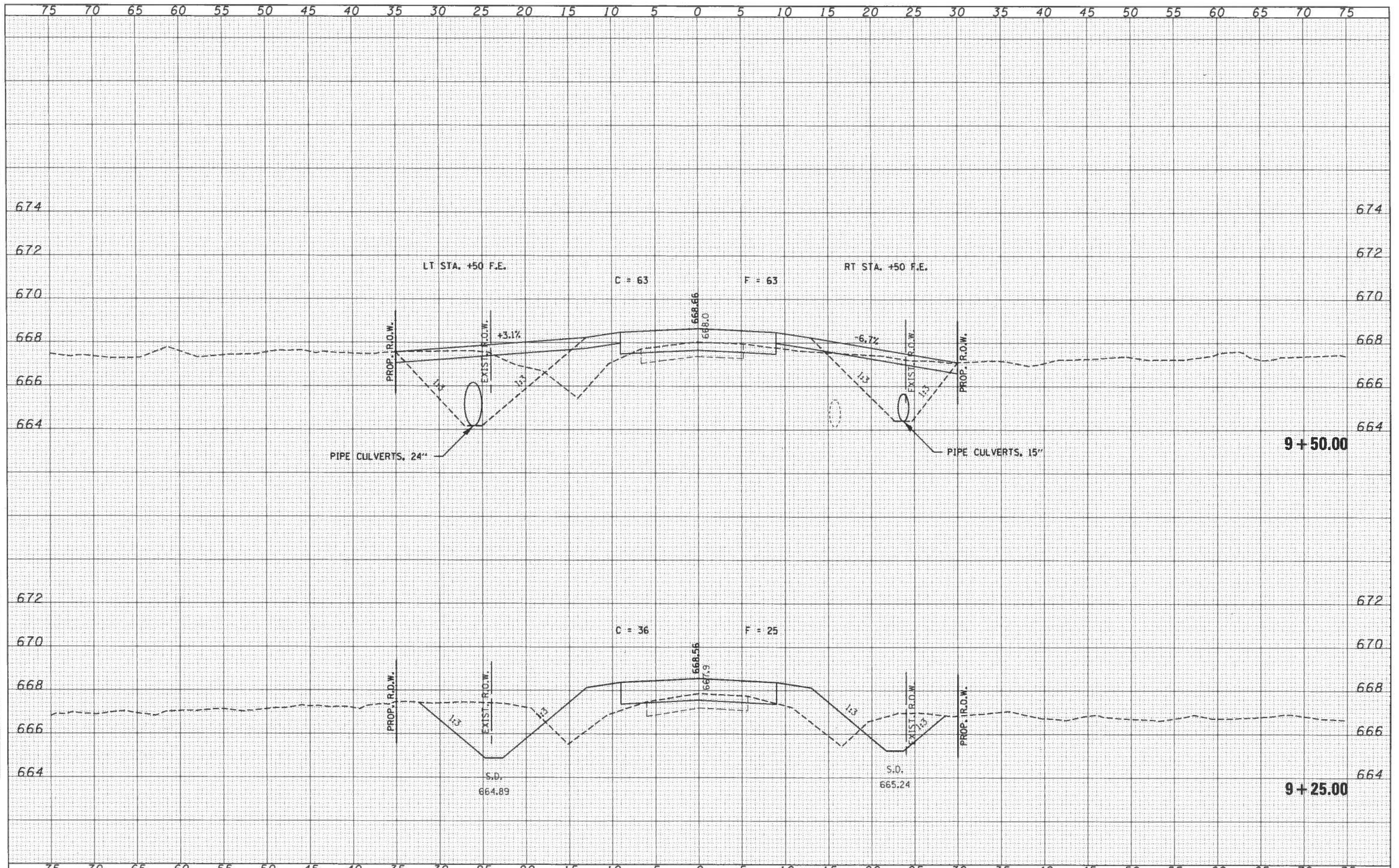
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SURVEYED	
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NOTE BOOK	
AREAS CHECKED	



FILE NAME = 150148-sht-sss.dgn	USER NAME = vhorick	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS				
HAMPTON, LENZINI AND RENWICK, INC.	3943 STEVENSON DRIVE, SUITE 201	DRAWN - L.G.C.	REVISED -		TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1810 W. WASHINGTON ST. CHICAGO, IL 60604	TEL: 773-399-8800	CHECKED - S.W.M.	REVISED -		222	07-04132-00-BR	VERMILION	23	15
ILLINOIS PROFESSIONAL DESIGN FIRM	1810 W. WASHINGTON ST. CHICAGO, IL 60604	DATE - 03/20/18	REVISED -		CATLIN ROAD DISTRICT CONTRACT NO. 91544				(ILLINOIS) FED. AID PROJECT S27G(083)

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



FILE NAME = 150148-sht-ss.dgn
 USER NAME = rhorick
 DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 03/20/18
 PLOT SCALE = #SCALE#
 PLOT DATE = 3/20/2018

DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 03/20/18

DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 03/20/18

REVISED -
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STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

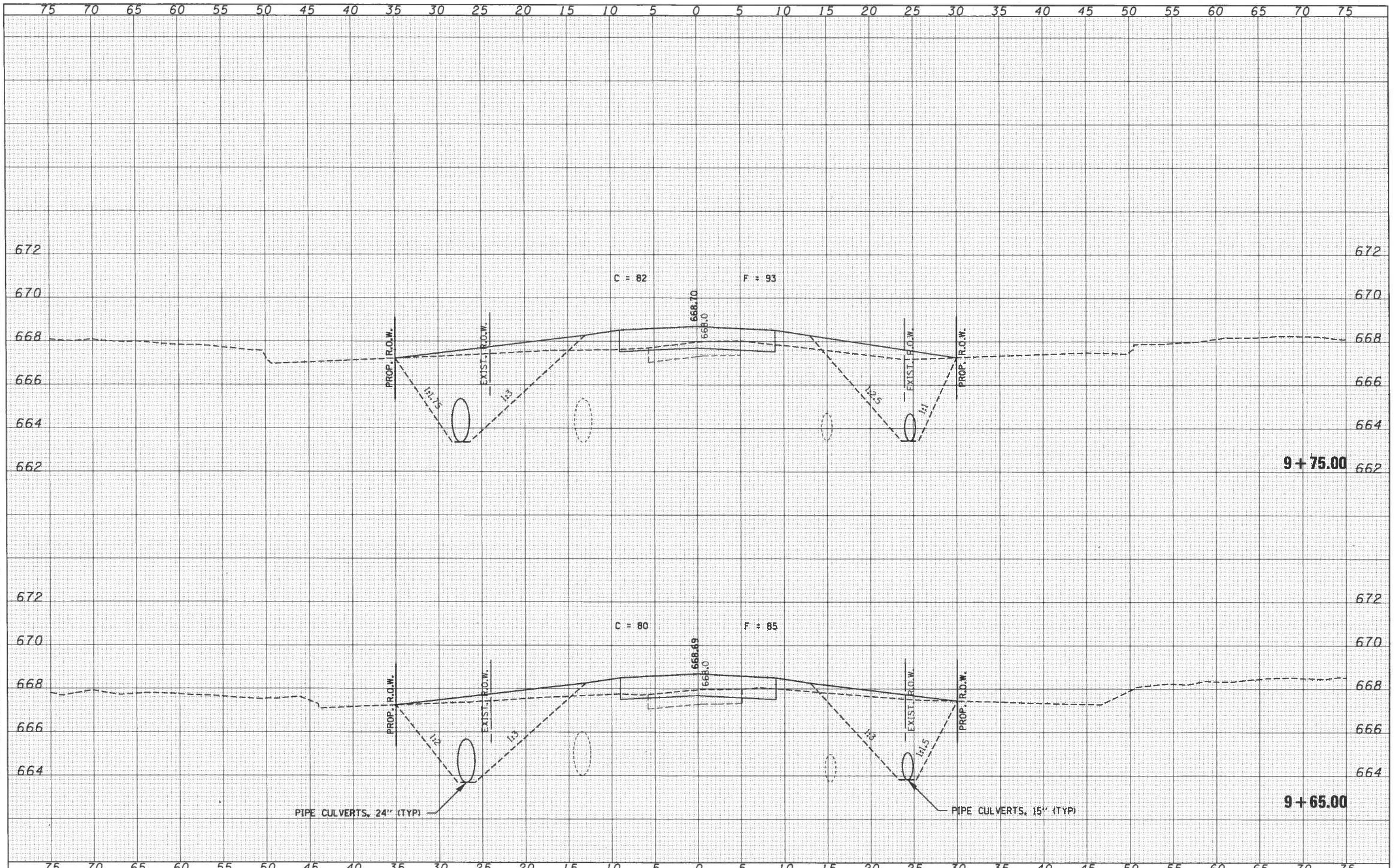
STATION CROSS SECTIONS

SCALE: 5H:2V SHEET NO. 4 OF 11 SHEETS STA. 9+25.00 TO STA. 9+50.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
222	07-04132-00-BR	VERMILION	23	16
CATLIN ROAD DISTRICT			CONTRACT NO. 91544	
ILLINOIS FED. AID PROJECT 527G(083)				

DATE	
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ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	

DATE	
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ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	



FILE NAME = 150148-sh1-ans.dgn
 HAMPTON, LENZINI AND RENWICK, INC.
 300 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS 1/PE 188 CORP. 184-300983

USER NAME = rhosack
 PLOT SCALE = 5/8"=1'
 PLOT DATE = 3/20/2018

DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 03/20/18

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STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

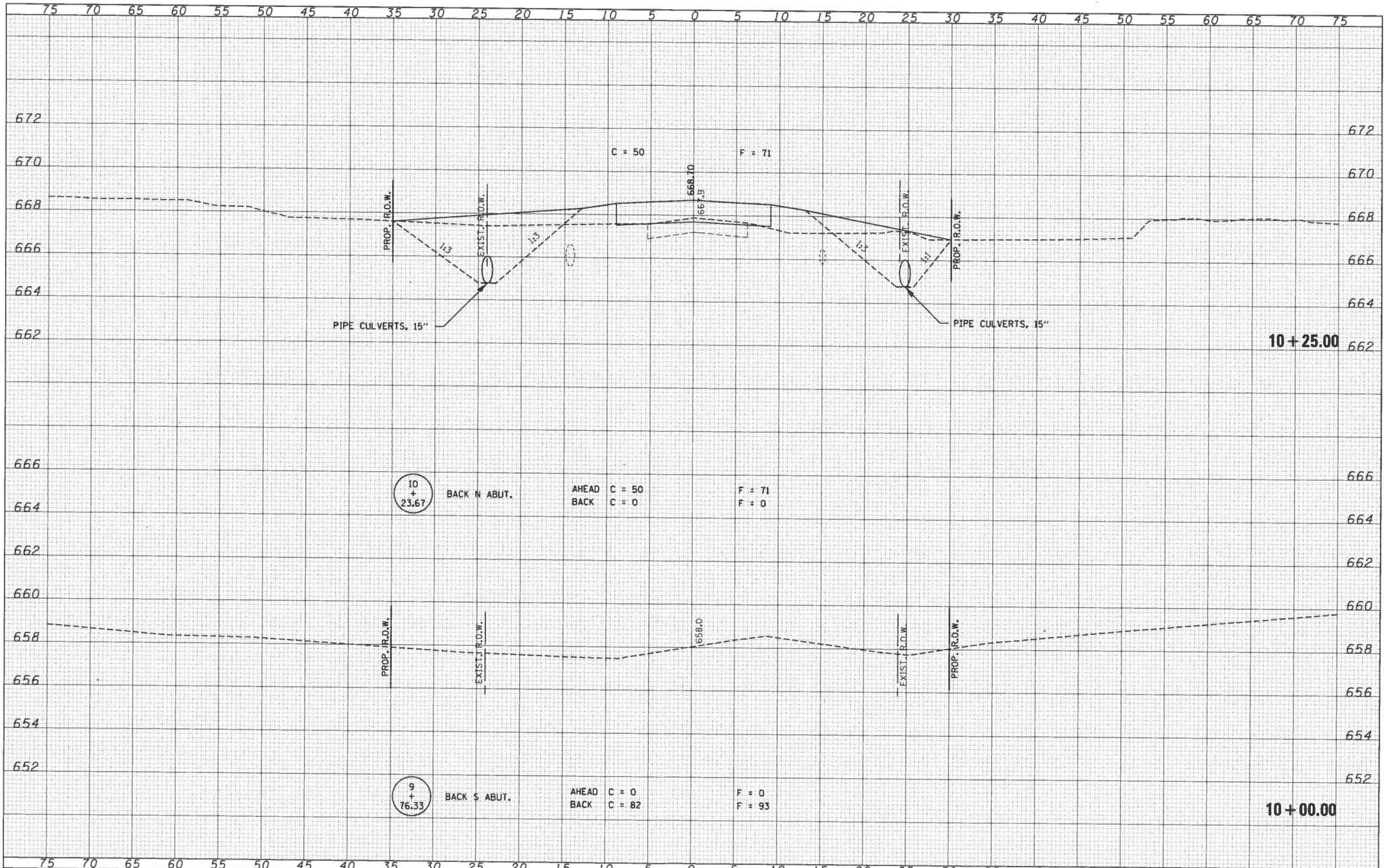
SCALE: 5H:2V
 SHEET NO. 5 OF 11 SHEETS
 STA. 9+65.00 TO STA. 9+75.00

STATION CROSS SECTIONS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
222	07-04132-00-BR	VERMILION	23	17
CATLIN ROAD DISTRICT			CONTRACT NO. 91544	
[ILLINOIS] FED. AID PROJECT 527(G)083				

DATE	
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ORIGINAL SURVEY	SURVEYED
PLOTTED	PLOTTED
NOTE BOOK	NOTE BOOK
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	AREAS CHECKED

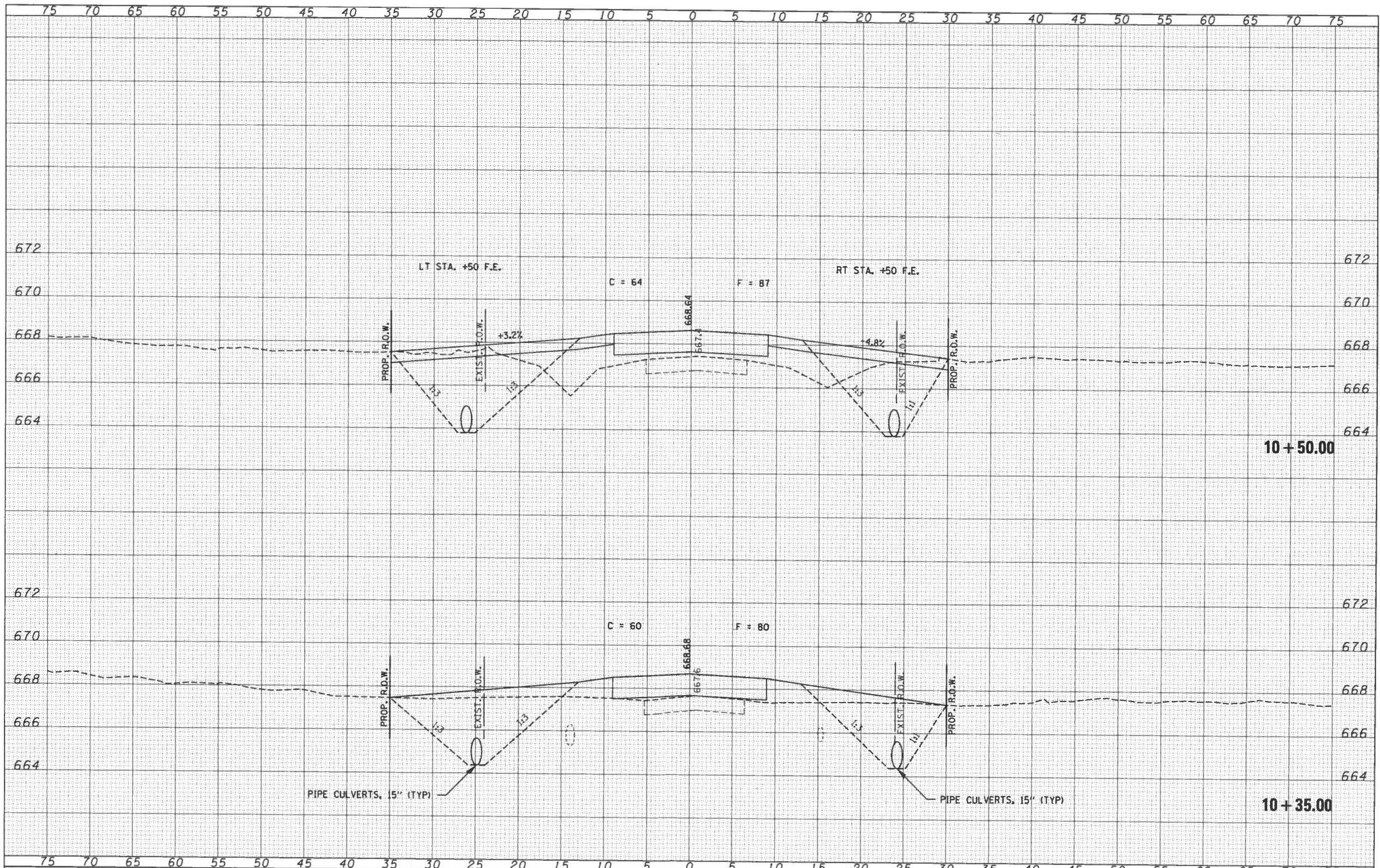
DATE	
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ORIGINAL SURVEY	SURVEYED
PLOTTED	PLOTTED
NOTE BOOK	NOTE BOOK
NO.	NO.
	AREAS CHECKED



FILE NAME = 150148-sh1-9ss.dgn	USER NAME = rhaick	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.		DRAWN - L.G.C.	REVISED -						222	07-04132-00-BR	VERMILION	23	18
3443 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761		CHECKED - S.W.M.	REVISED -		CATLIN ROAD DISTRICT				CONTRACT NO. 91544				
ILLINOIS PROFESSIONAL DESIGN FIRM L8/PET/SE CORP. 184-000893		DATE - 03/20/18	REVISED -		ILLINOIS FED. AID PROJECT 527G(083)								

DATE	
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AREAS CHECKED	

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ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	



FILE NAME = 150148-ah-ssa.dgn
 USER NAME = rhosick
 DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 03/20/18

DESIGNED	- L.A.P.	REVISED	-
DRAWN	- L.G.C.	REVISED	-
CHECKED	- S.W.M.	REVISED	-
DATE	- 03/20/18	REVISED	-

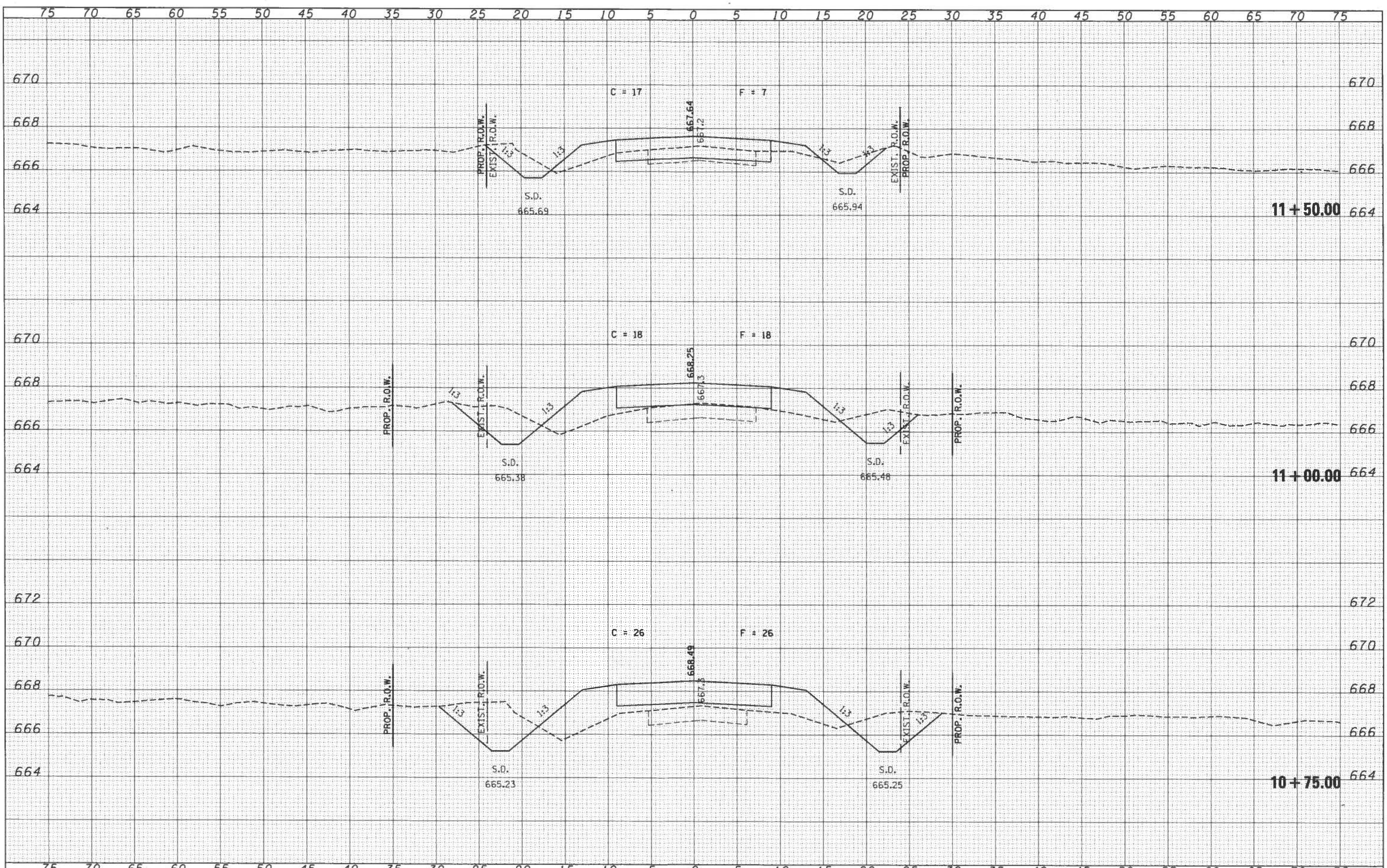
STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
 SCALE: 5H:2V
 SHEET NO. 7 OF 11 SHEETS
 STA. 10+35.00 TO STA. 10+50.00

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
222	07-04132-00-BR	VERMILION	23	19
CATLIN ROAD DISTRICT		CONTRACT NO. 91544		
ILLINOIS FED. AID PROJECT 5276083				

DATE	
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FINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	

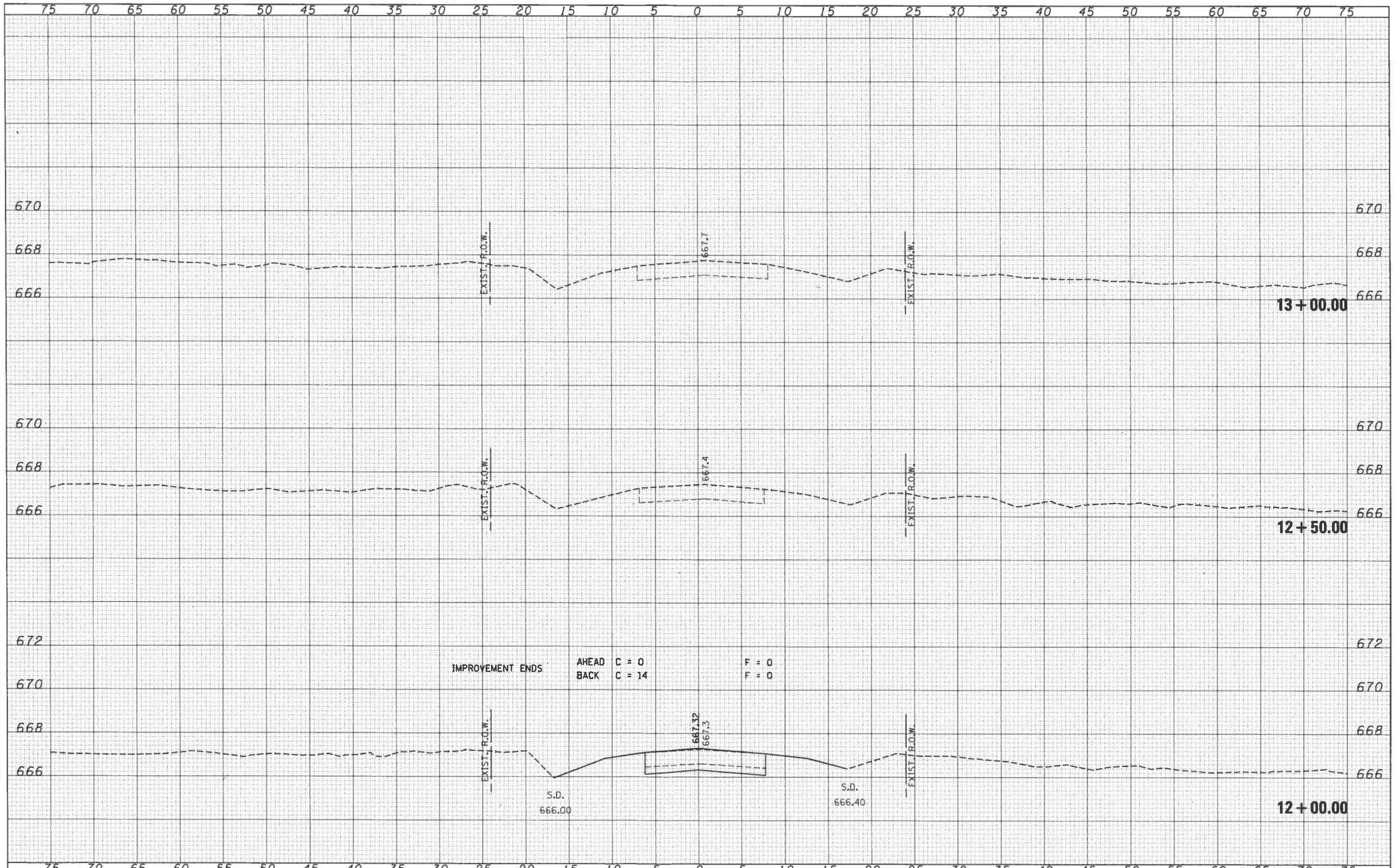
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



FILE NAME = 150148-ah1-sss.dgn	USER NAME = rhesick	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS				
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -		TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1315 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -		222	07-04132-00-BR	VERMILION	23	20
ILLINOIS PROFESSIONAL DESIGN FIRM 151 PR 182 CORP. 184-000003		DATE - 03/20/18	REVISED -		CATLIN ROAD DISTRICT				CONTRACT NO. 91544
				SCALE: 5H:2V	SHEET NO. 8 OF 11 SHEETS		STA. 10+75.00 TO STA. 11+50.00		ILLINOIS FED. AID PROJECT 52T0083

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



FILE NAME = 150148-ght-ssd.dgn
 HAMPTON, LENZINI AND RENWICK, INC.
 201 W. HENDERSON DRIVE, SUITE 211
 SPRINGFIELD, ILLINOIS 62763
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. 154-000893

USER NAME = rboisick
 PLOT SCALE = #SCALE#
 PLOT DATE = 3/20/2018

DESIGNED - L.A.P.
 DRAWN - L.G.C.
 CHECKED - S.W.M.
 DATE - 03/20/18

REVISED -
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STATE OF ILLINOIS
 VERMILION COUNTY HIGHWAY DEPARTMENT

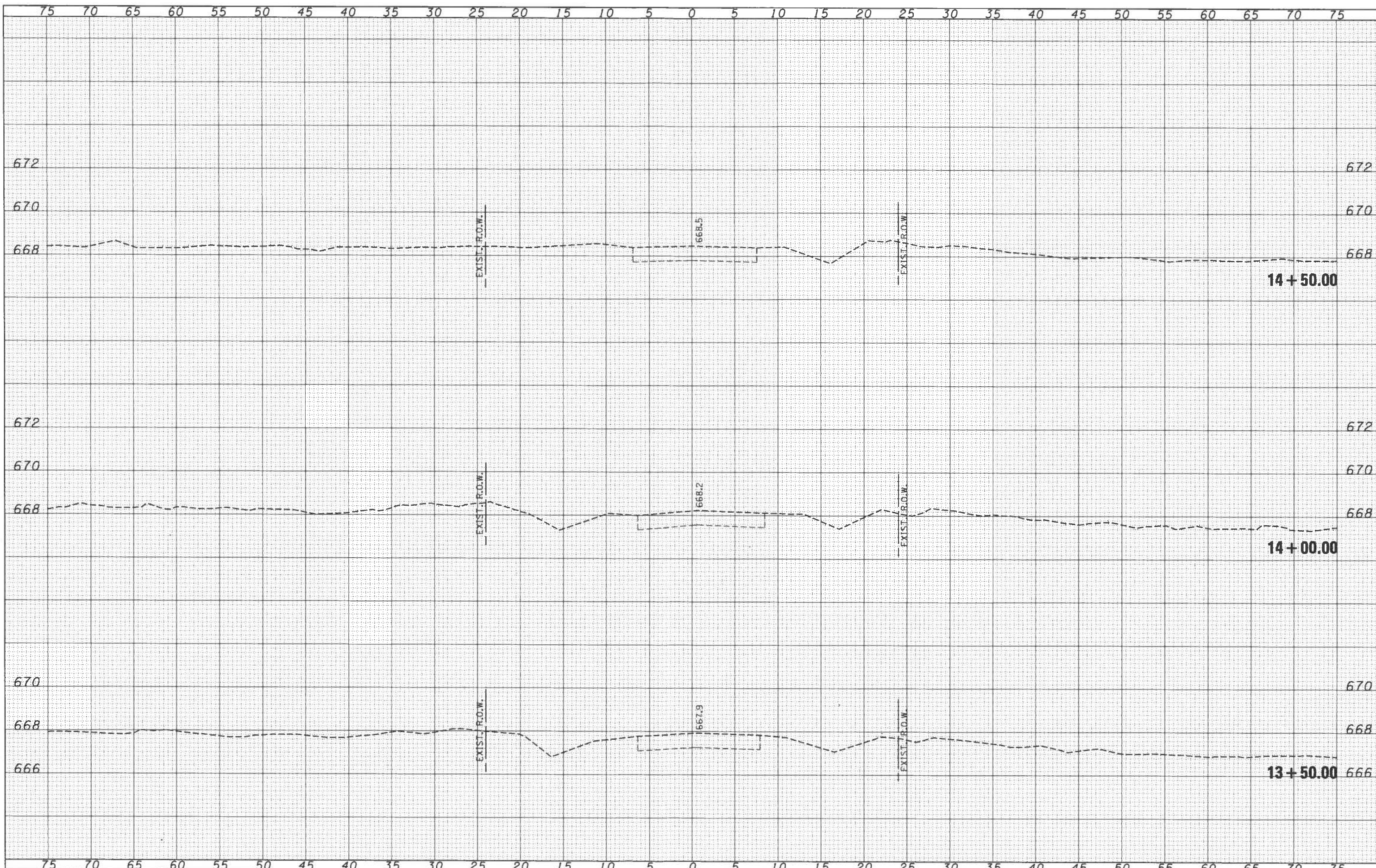
SCALE: 5H:2V SHEET NO. 9 OF 11 SHEETS STA. 12+00.00 TO STA. 13+00.00

STATION CROSS SECTIONS

TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
222	07-04132-00-BR	VERMILION	23	21
CATLIN ROAD DISTRICT			CONTRACT NO. 91544	
ILLINOIS FED. AID PROJECT 5270083				

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SURVEY	
NOTE BOOK	
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DATE	
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SURVEYED	
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AREAS CHECKED	
ORIGINAL	
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NOTE BOOK	
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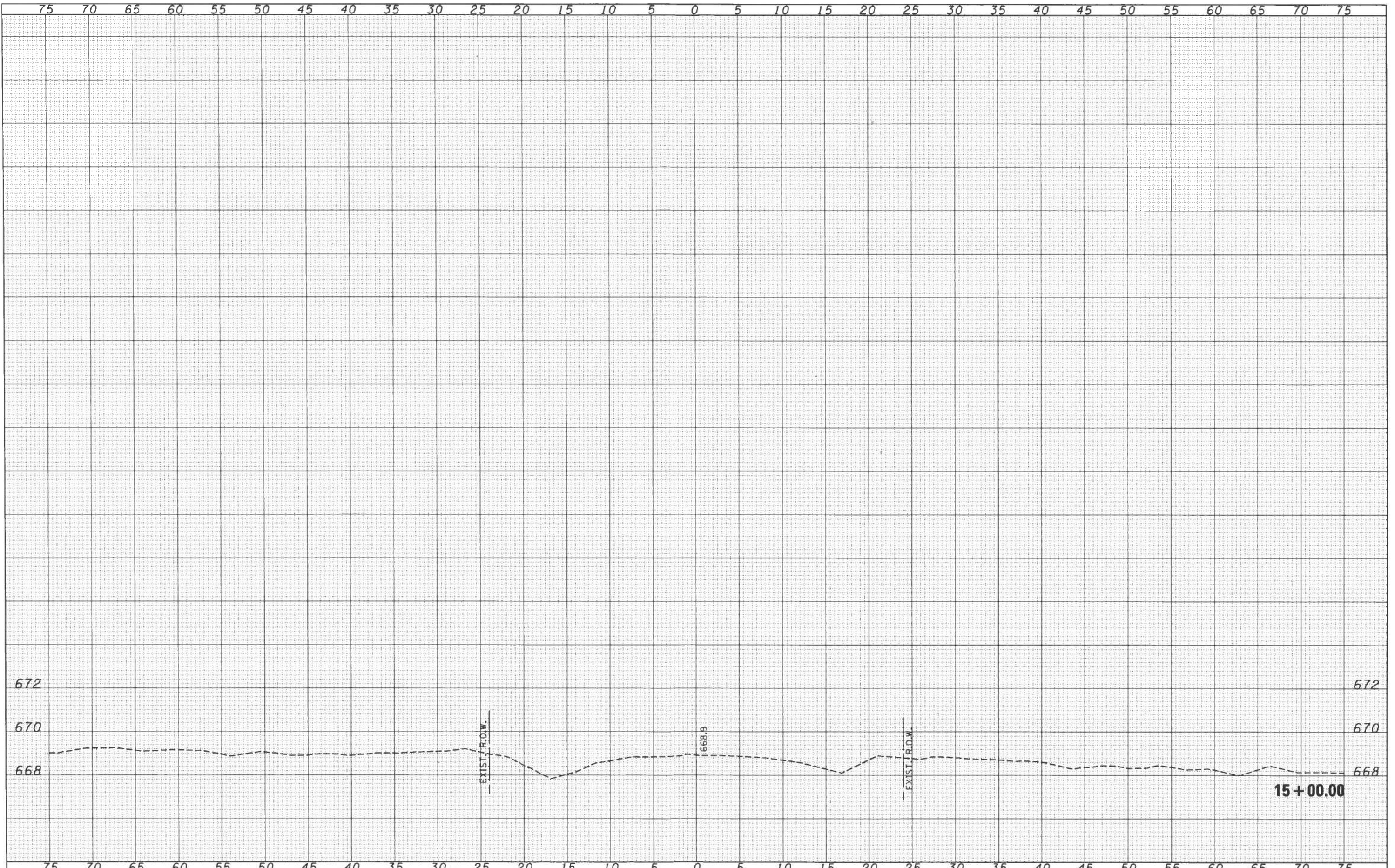


FILE NAME = 150148-sht-srs.dgn	USER NAME = rhasick	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS				
HAMPTON, LENZINI AND RENWICK, INC. 3043 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62778 ILLINOIS PROFESSIONAL DESIGN FIRM L.A./P.E./S.E. CORP. 184.000889	PLOT SCALE = #SCALE#	DRAWN - L.G.C.	REVISED -		TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT DATE = 3/20/2018	DATE = 03/20/18	CHECKED - S.W.M.	REVISED -		222	07-04132-00-BR	VERMILION	23	22
		DATE - 03/20/18	REVISED -		CATLIN ROAD DISTRICT		CONTRACT NO. 91544		(ILLINOIS) FED. AID PROJ. CT 527G(083)

SCALE: 5H:2V SHEET NO. 10 OF 11 SHEETS STA. 13+50.00 TO STA. 14+50.00

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

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



FILE NAME = 150148-ah1-ava.dgn	USER NAME = rhosick	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS				
HAMPTON, LENZINI AND RENWICK, INC. 1801 E. HENLOW DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62763	PLOT SCALE = 1/8"=1'-0"	DRAWN - L.G.C.	REVISED -		TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HLR ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 181-000000	PLOT DATE = 3/28/2018	CHECKED - S.W.M.	REVISED -		222	07-04132-00-BR	VERMILION	23	23
		DATE - 03/20/18	REVISED -		CATLIN ROAD DISTRICT		CONTRACT NO. 91544		[ILLINOIS] FED. AID PROJECT 52700831

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