01-15-2016 LETTING ITEM 051

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 158	11-14126 -00-BR	EDGAR	71	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 91508		

INDEX OF SHEETS

HIGHWAY STANDARDS:

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-03	NAME PLATES FOR BRIDGES
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701901-04	TRAFFIC CONTROL DEVICES
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 27-1	TRAFFIC BARRIER TERMINAL, TYPE 5A

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM
OFF SYSTEM BRIDGE

T.R. 158 / N 1200TH STREET
SECTION 11-14126-00-BR
PROJECT BROS-0045(053)
SYMMES ROAD DISTRICT
EDGAR COUNTY
PROPOSED STRUCTURE NO. 023-5331
C-95-308-14

LOCATION OF SECTION INDICATED THUS: –

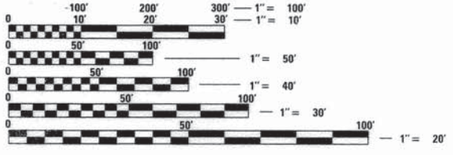
FUNCTIONAL CLASSIFICATION: LOCAL ROAD (NON-URBAN)
DESIGN SPEED: 30 MPH
DESIGN TRAFFIC: 225 ADT (2015)

UTILITIES

CLARK-EDGAR RURAL WATER DISTRICT
330 N. CENTRAL AVENUE
PARIS, IL 61944
ATTN: BOB COLVIN
FRANCIS & ASSOCIATES
217-465-5306

ENERSTAR POWER CORP.
11597 ILLINOIS HWY 1
PARIS, IL 61944
ATTN: TIM HADDIX
217-463-4145

FRONTIER COMMUNICATIONS
1205 S. CENTRAL AVENUE
PARIS, IL 61944
ATTN: MICHELE LEWSADER

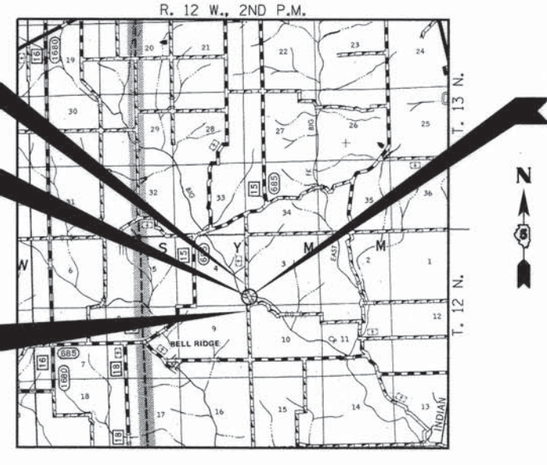


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

IMPROVEMENT ENDS STATION 16+00

STA. 12+83
CONTINUOUS STEEL WF BEAM BRIDGE.
TWO SPANS: 80'-0", 80'-0"
28'-0" RDWY.; SKEW = 20°
EXISTING STRUCTURE NO. 023-5300
PROPOSED STRUCTURE NO. 023-5331

IMPROVEMENT BEGINS STATION 3+50



EXISTING STRUCTURE TO BE REMOVED:
2 SPAN CONCRETE THRU GIRDER BRIDGE
WITH CONCRETE ABUTMENTS AND PIER
83.6' FACE TO FACE OF ABUTMENTS
19.2' OUT TO OUT OF DECK
EXISTING STRUCTURE NO. 023-5300

LOCATION MAP

APPROXIMATE SCALE: 0 — 1 MILE

M.L. NET LENGTH OF SECTION = 1250 FEET = 0.237 MILES
S.R. NET LENGTH OF SECTION = 360 FEET = 0.068 MILES
GROSS LENGTH OF SECTION = 1610 FEET = 0.305 MILES

WARNING

CALL JUL.I.E. TOLL FREE 1-800-892-0123

CALL 811 BEFORE YOU DIG

DIG NO: A1362150

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED 10/9 20 15
COUNTY ENGINEER

APPROVED 10-09 20 15
TOWNSHIP COMMISSIONER

PASSED OCTOBER 27 20 15
DISTRICT FIVE ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review: October 27 20 15
DEPUTY DIRECTOR OF HIGHWAYS
REGION THREE ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE: 09/15/2015
STEVEN WEGGINTON 062-005078 LICENSED PROFESSIONAL ENGINEER STATE OF ILLINOIS
EXPIRES: 11/30/2015

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
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

PROJECT NUMBER: 11.0346.130 DATE: 09/15/15

CONTRACT NO. 91508 PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-201
TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS.

G.N.-202 (REV)
GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF THE RIGHT-OF-WAY AND TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-280
TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED DISTURBED EARTH DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE TEMPORARY EROSION CONTROL SEEDING WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH SLOPES AT THE TIME OF THEIR COMPLETION.

G.N.-281
THE RIPRAP GRADATION SHALL BE IN ACCORDANCE WITH THE GRADATION SPECIFIED IN THE PLANS OR, WITH APPROVAL OF THE ENGINEER, A RIPRAP GRADATION MEETING A D50 GREATER THAN OR EQUAL TO 0.67 FEET (8 IN). D50 IS DEFINED AS THE MEAN ROCK SIZE AS DESCRIBED IN THE FHWA HYDRAULIC ENGINEERING CIRCULARS (HEC 11, HEC 14 AND HEC 15).

IF GRAVEL IS USED FOR THE BEDDING MATERIAL UNDER RIPRAP, THE GRAVEL SHALL BE CRUSHED AS ALLOWED UNDER ARTICLE 1005.01.

G.N.-403 (REV)
BITUMINOUS SURFACE TREATMENTS: GRADATION CA-14 (MID SPEC.) IS ASSUMED FOR COVER COATS AND GRADATION CA-16 (MID-SPEC.) IS ASSUMED FOR SEAL COATS. THE RESULTING TARGET APPLICATION RATES ARE AS FOLLOWS:

TYPE OF CONSTRUCTION	BITUMINOUS MATERIAL	APPLICATION RATE	AGGREGATE	APPLICATION RATE
PRIME COAT (AGGREGATE SURFACE)	SEE ARTICLE 403.02	0.25 gal/yd²*		
A-3 (1ST COVER COAT)	SEE ARTICLE 403.02	0.38 gal/yd²	CA-14	25lb/yd²
A-3 (2ND COVER COAT)	SEE ARTICLE 403.02	0.38 gal/yd²	CA-14	25lb/yd²
A-3 (SEAL COAT)	SEE ARTICLE 403.02	0.35 gal/yd²	CA-16	25lb/yd²

NOTE: THE ENGINEER RESERVES THE RIGHT TO ADJUST THE TARGET APPLICATION RATES AND THE QUANTITIES.

*NOTE: DO NOT PUDDLE PRIME.

G.N.-542
BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

G.N.-107.37
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTLILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800) 892-0123 OR 811.

G.N.-1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

SUMMARY OF QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	BRIDGE STA 12+83	ROADWAY STA 3+50 TO STA 16+00
			CONSTRUCTION TYPE CODE		0011	0004
^	20100500	TREE REMOVAL, ACRES	ACRE	1.10		1.1
	20200100	EARTH EXCAVATION	CU YD	5,631		5,631
	20300100	CHANNEL EXCAVATION	CU YD	260	260	
	20400800	FURNISHED EXCAVATION	CU YD	1,165		1,165
	20800150	TRENCH BACKFILL	CU YD	134		134
	25100115	MULCH, METHOD 2	ACRE	2.25		2.25
	25100630	EROSION CONTROL BLANKET	SQ YD	308		308
	25100900	TURF REINFORCEMENT MAT	SQ YD	444		444
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	460		460
	28000305	TEMPORARY DITCH CHECKS	FOOT	414		414
	28000400	PERIMETER EROSION BARRIER	FOOT	670		670
	28000500	INLET AND PIPE PROTECTION	EACH	3		3
	35101400	AGGREGATE BASE COURSE, TYPE A	TON	1,624		1,624
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	170		170
	40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	900		900
	40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	3,600		3,600
	40300500	COVER COAT AGGREGATE	TON	80		80
	40300600	SEAL COAT AGGREGATE	TON	40		40
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	105		105
^	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
	50105220	PIPE CULVERT REMOVAL	FOOT	211		211
	50200300	COFFERDAM EXCAVATION	CU YD	185	185	
^	50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1	1	
^	50300225	CONCRETE STRUCTURES	CU YD	88.4	88.4	
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	154.1	154.1	
	50300265	SEAL COAT CONCRETE	CU YD	46.4	46.4	
	50300300	PROTECTIVE COAT	SQ YD	594	594	
	50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	1	
	50500505	STUD SHEAR CONNECTORS	EACH	2,625	2,625	
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	44,680	44,680	

*** SPECIALTY ITEM**

^ SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	BRIDGE STA 12+83	ROADWAY STA 3+50 TO STA 16+00
			CONSTRUCTION TYPE CODE		0011	0004
*	50900205	STEEL RAILING, TYPE S1	FOOT	334	334	
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	540	540	
	51201900	FURNISHING STEEL PILES HP14X89	FOOT	600	600	
	51202305	DRIVING PILES	FOOT	1,140	1,140	
	51203600	TEST PILE STEEL HP12X53	EACH	2	2	
	51203900	TEST PILE STEEL HP14X89	EACH	1	1	
	51500100	NAME PLATES	EACH	1	1	
	52100520	ANCHOR BOLTS, 1"	EACH	30	30	
^	542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	47		47
^	542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	162		162
^ *	56100500	WATER MAIN 4"	FOOT	375		375
*	56108710	TAPPING VALVES AND SLEEVES	EACH	2		2
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	72	72	
*	63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4		4
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4		4
	67100100	MOBILIZATION	L SUM	1	1	
^	70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1		1
*	78200410	GUARDRAIL MARKERS, TYPE A	EACH	8		8
*	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4
^	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	122	122	
^	X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	2.25		2.25
^	X2810208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	1,440	1220	220
*	X5610744	WATER MAIN LINE STOP 4"	EACH	2		2
*	X5630004	CUT AND CAP EXISTING 4" WATER MAIN	EACH	2		2
^	X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	188	188	
^	X6650208	WOVEN WIRE FENCE REMOVAL AND REPLACEMENT	FOOT	636		636
	XZ193300	SURVEY MARKER, TYPE I (SPECIAL)	EACH	1		1
^	XX001537	PERMANENT ROAD CLOSURE	EACH	1		1
^	XX008542	OBLITERATE EXISTING ROADBED	SQ YD	812		812

*** SPECIALTY ITEM**

^ SEE SPECIAL PROVISIONS

20100500 TREE REMOVAL ACRES

STATION	TO	STATION	LENGTH	WIDTH	ACRES
TR 158					
RT 8+50		RT 9+50	100	25+50/2	0.09
RT 9+50		RT 12+15	265	50.00	0.30
LT 9+00		LT 10+00	100	VAR	0.10
LT 10+00		LT 11+00	100	80+50/2	0.15
LT 11+00		LT 12+30	130	50.00	0.15
RT 12+56		RT 13+84	128	VAR	0.10
LT 12+67		LT 14+26	159	VAR	0.14
TR 341					
LT 51+85		LT 53+08	VAR	VAR	0.09

See Erosion Control Plan for locations

TOTAL = 1.1 ACRES

EARTHWORK ANALYSIS

STATION	TO	STATION	20200100 EARTH EXCAVATION	20300100 CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENTAGE OF EXCAVATION USABLE	EMBANKMENT NEEDED	20400800 FURNISHED EXCAVATION
SOUTH OF BRIDGE								
TR 158								
3+00		12+15	5,190		25%	100%	3,287	(1,081)
TR 341								
50+50		53+77	248		25%	100%	1,141	1,178
CHANNEL EXC				110	25%	50%	-	(55)
RIPRAP EXC	(1)		250		25%	50%		(125)
		SUB TOTALS =	5,438 CU YDS	110 CU YDS			4,428 CU YDS	(83) CU YDS
NORTH OF BRIDGE								
TR 158								
13+23.45		16+50	193		25%	100%	1,313	1,448
CHANNEL EXC				150	25%	50%	-	(75)
RIPRAP EXC	(1)		250		25%	50%		(125)
		SUB TOTALS =	193 CU YDS	150 CU YDS			1,313 CU YDS	1,248 CU YDS
		TOTALS =	5,631 CU YDS	260 CU YDS			5,741 CU YDS	1,165 CU YDS

(1) PAYMENT FOR THE EXCAVATION REQUIRED FOR RIPRAP SHALL BE INCLUDED IN THE PAY ITEM FOR RIPRAP
THE 630 CU YDS OF EXCESS EARTH ON TR 158 SOUTH OF THE BRIDGE MAY BE WASTED OR USED TO FLATTEN SLOPES STA 10+50 TO 11+85
ANY WASTE MATERIAL NOT USED ON THE PROJECT SITE SHALL BE REMOVED BY THE CONTRACTOR AT NO ADDITIONAL COMPENSATION

PIPE CULVERT SCHEDULE

STATION	DESCRIPTION	50105220 PIPE CULVERT REMOVAL (FOOT)	542D0220 P CULVERT CL D, TYPE 1 15"	542D0229 P CULVERT CL D, TYPE 1 24"	20800150 TRENCH BACKFILL CU YDS
TR 158					
RT 5+10	PIPE REMOVAL	24.0			5.7
AR 5+65	AR CULVERT			60.0	9.4
RT 14+70	ENT CULVERT		47.0		9.1
TR 341					
AR 52+17	PIPE REMOVAL	187.0			36.9
AR 52+50	AR CULVERT			102.0	9.0
VARIES (375 FEET)	4" WATER MAIN				64.0
	TOTALS =	211 FOOT	47 FOOT	162 FOOT	134 CU YDS

X2810208 STONE RIPRAP, CLASS A-4 (SPECIAL)

STATION	TO	STATION	LENGTH	WIDTH	TONS
TR 158					
RT 11+68		LT 12+83	VAR	90'	531.0
RT 12+50		LT 13+05	VAR	90'	301.0
RT 13+25		LT 13+98	VAR	90'	388.0
TR 341					
LT 52+77		LT 53+33	56.00	46.30	220.0

TOTAL = 1,440 TON

MULCH, METHOD 2 & SEEDING, CLASS 2 (SPECIAL)

STATION	TO	STATION	LENGTH	WIDTH	25100115 MULCH METHOD 2 ACRES	X2501000 SEEDING, CL 2 (SPECIAL) ACRES
TR 158						
LT 3+00		LT 3+50	50.00	28.54+30/2	0.03	0.03
LT 3+50		LT 4+00	50.00	29+36/2	0.04	0.04
LT 4+00		LT 5+35.48	135.48	36+44/2	0.12	0.12
LT 5+35.48		LT 6+50	114.52	44+29/2	0.10	0.10
LT 6+50		LT 6+91	41.00	39.00	0.04	0.04
LT 7+09		LT 7+50	41.00	39.00	0.04	0.04
LT 7+50		LT 9+50	200.00	39+69/2	0.25	0.25
LT 9+50		LT 10+00	50.00	69.00	0.08	0.08
LT 10+00		LT 11+00	100.00	69+39/2	0.12	0.12
LT 11+00		LT 11+09.45	9.45	39.00	0.01	0.01
LT 11+09.45		LT 11+33.07	23.62	36+32/2	0.02	0.02
LT 11+33.07		LT 11+50	16.93	32.00	0.01	0.01
LT 11+50		LT 12+09.93	59.93	VAR	0.02	0.02
RT 3+00		RT 3+50	50.00	24.76+23/2	0.03	0.03
RT 3+50		RT 4+50	100.00	22+29/2	0.06	0.06
RT 4+50		RT 4+56.34	6.34	29+29.64	0.00	0.00
RT 4+56.34		RT 6+00	143.66	29.64+24/2	0.09	0.09
RT 6+00		RT 6+91	91.00	24.00	0.05	0.05
RT 7+09		RT 8+50	141.00	24.00	0.08	0.08
RT 8+50		RT 9+50	100.00	24+39/2	0.07	0.07
RT 9+50		RT 10+98.90	148.90	39.00	0.13	0.13
RT 10+98.90		RT 11+22.88	23.98	36+32/2	0.02	0.02
RT 11+22.88		RT 11+57.88	35.00	32.00	0.03	0.03
RT 11+57.88		RT 12+21.06		VAR	0.02	0.02
LT 13+57.25		LT 14+00	42.75	VAR	0.01	0.01
LT 14+00		LT 14+08.12	8.12	33+31/2	0.01	0.01
LT 14+08.12		LT 14+43.12	25.00	31+27.11/2	0.02	0.02
LT 14+43.12		LT 14+71.17	28.05	27.11+28.62/2	0.02	0.02
LT 14+71.17		LT 15+50	78.83	31.62+23.86/2	0.05	0.05
LT 15+50		LT 16+00	50.00	23.86+23.72/2	0.03	0.03
LT 16+00		LT 16+50	50.00	25.00	0.03	0.03
RT 13+18.44		RT 14+59	140.56	VAR	0.07	0.07
RT 13+28.22		RT 15+00	171.78	VAR	0.08	0.08
RT 15+00		RT 16+00	100.00	24.32+11.76/2	0.04	0.04
RT 16+00		RT 16+50	50.00	12.75	0.01	0.01
TR 341						
LT 50+35		LT 50+60	25.00	53.45+25/2	0.02	0.02
LT 50+60		LT 52+25	165.00	25.00	0.09	0.09
LT 52+25		LT 52+84	59.00	25+62.7/2	0.06	0.06
LT 52+84		LT 53+70	97+90/2	27.00	0.06	0.06
RT 50+41.28		RT 53+70	328.72	VAR	0.20	0.20
				TOTALS =	2.25 ACRES	2.25 ACRES

25100630 EROSION CONTROL BLANKET

STATION	TO	STATION	LENGTH	WIDTH	SQ YDS
TR 158					
LT 11+50		LT 12+09.93	59.93	VAR	89.33
RT 11+50		RT 11+95.10	45.10	VAR	92.63
LT 13+70.90		LT 14+00	29.10	55+120/2	29.91
RT 13+58.66		RT 14+00	41.34	120+57/2	96.39

TOTAL = 308 SQ YDS

AREA INCLUDES AN 11% SLOPE FACTOR

25100900 TURF REINFORCEMENT MAT

STATION	TO	STATION	LENGTH	WIDTH	SQ YDS
TR 341					
LT 50+40		LT 52+85	260.00	8.32	240.4
RT 50+30		RT 52+50	220.00	8.32	203.4

TOTAL = 444 SQ YDS

XZ193300 SURVEY MARKER, TYPE 1 (SPECIAL)

STATION	OFFSET		EACH
TR 158			
5+33.63	LT.	2.41 FT	1

TOTAL = 1 EACH

FILE NAME = 110346-sht-schedule.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	SCHEDULE OF QUANTITIES
HAMPTON, LENZINI AND RENWICK, INC. 3595 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LB / PE / SE CORP. 184.000969		DRAWN - D.A.B.	REVISED -		
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -		SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.
	PLOT DATE = 10/13/2015	DATE - 09/15/15	REVISED - 10/13/15		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	4
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

28000250 TEMPORARY EROSION CONTROL SEEDING

LOCATION	LENGTH	WIDTH	POUND
TR 158	3,800.0'	ROW WIDTH	371.1
TR 314		ROW WIDTH	89.1

TOTAL = 460 POUNDS

USE AREA DERIVED FROM SEEDING, CLASS 2 (SPECIAL)
ASSUME: 100 LBS PER ACRE AND 2 APPLICATIONS

28000305 TEMPORARY DITCH CHECKS

TR 158

RIGHT SIDE

STATION	FOOT
RT 4+05	9
RT 4+31	9
RT 4+57	9
RT 6+00	9

LEFT SIDE

STATION	FOOT
LT 4+11.76	9
LT 4+69.05	9
LT 5+21.27	9
LT 793.22	9
LT 8+62.60	9
LT 9+10.80	9
LT 9+49.88	9
LT 9+83.62	9
LT 10+14.55	9
LT 10+49.76	9
LT10+70.50	9
LT 10+91.14	9
LT 11+11.78	9
LT 11+32.41	9
LT 11+53.05	9
LT 11+73.69	9
LT 11+94.33	9
LT 12+14.97	9
LT 13+55	9

TOTAL = 207 FOOT

TR 341

RIGHT SIDE

STATION	FOOT
RT 50+48	9
RT 50+74	9
RT 51+00	9
RT 51+18	9
RT 51+36	9
RT 51+54	9
RT 51+72	9
RT 51+90	9
RT 52+08	9

LEFT SIDE

STATION	FOOT
LT 50+57	9
LT 50+78	9
LT 51+00	9
LT 51+20	9
LT 51+41	9
LT 51+62	9
LT 51+83	9
LT 52+04	9
LT 52+16	9
LT 52+28	9
LT 52+40	9
LT 52+52	9
LT 52+64	9
LT 52+76	9

TOTAL = 207 FOOT

GRAND TOTAL = 414 FOOT

28000400 PERIMETER EROSION BARRIER

STATION	TO	STATION	FOOT
TR 158			
RT 7+10		RT 12+05	495.0
RT 13+45		RT 15+00	175.0

TOTAL = 670 FOOT

28000500 INLET AND PIPE PROTECTION

STATION	EACH
TR 158	
LT 4+75	1
RT 14+93	1
TR 341	
RT 52+20	1

TOTAL = 3 EACH

X6650208 WOVEN WIRE FENCE REMOVAL AND REPLACEMENT

STATION	TO	STATION	LENGTH
TR 158			
RT 5+60		RT 6+90	130.00
RT 7+10		RT 9+85	275.00
TR 341			
LT 50+63		LT 52+85	231.00

TOTAL = 636 FEET

35101400 AGGREGATE BASE COURSE, TYPE A

STATION	TO	STATION	LENGTH	WIDTH	TONS
TR 158					
3+50		4+50	100.00	16.6+22/2	100.0
4+50		12+01.22	751.22	22.00	856.2
13+64.78		15+00	135.22	22.00	154.1
15+00		16+00	100.00	22+19.5/2	107.5
TR 341					
50+11		53+20	309.00	20.00	320.2
53+20		53+77	57.00	20+15.8/2	50.3
SOUTH RADIUS = 40 x 40 x .21460 =					17.8
NORTH RADIUS = 40 x 40 x .21460 =					17.8

ASSUME: 8" AVERAGE DEPTH
ASSUME: 2.0 TON PER CU YD

TOTAL = 1,624 TONS

40200800 AGGREGATE SURFACE COURSE, TYPE B

STATION	TO	STATION	LENGTH	WIDTH	TONS
TR 158					
LT 6+10 FE			29.00	18.00	20.2
2 RADII = 15 x 15 x .21460 x 2					3.7
RT 7+00 FE			24.00	18.00	16.8
2 RADII = 15 x 15 x .21460 x 2					3.7
RT 13+23.45		RT 13+34.83	13.83	13+18/2	8.3
RT 13+34.83		RT 14+70	162.55	18.00	113.5
2 RADII = 15 x 15 x .21460 x 2					3.7

ASSUME: 6" AVERAGE DEPTH
ASSUME: 2.0 TON PER CU YD

TOTAL = 170 TONS

BITUMINOUS SURFACE TREATMENT, CLASS A-3

STATION	TO	STATION	LENGTH	WIDTH	40300100 PRIME COAT GALLONS	40300300 C&S COATS GALLONS	40300500 COVER COAT AGG TONS	40300600 SEAL COAT AGG TONS
TR 158								
3+50		4+50	100.00	14.6+20/2	55.6	219.5	4.9	2.4
4+50		12+01.22	751.22	20.00	475.7	1,906.0	42.4	21.2
13+64.78		15+00	135.22	20.00	85.6	343.1	7.6	3.8
15+00		16+00	100.00	20+17.5/2	59.7	237.9	5.3	2.6
TR 341								
50+11		53+20	309.00	18.00	177.9	705.6	15.7	7.8
53+20		53+70	50.00	18+13.8/2	25.8	100.9	2.2	1.1
SOUTH RADIUS = 40 x 40 x .21460 =					9.9	43.6	1.0	0.5
NORTH RADIUS = 40 x 40 x .21460 =					9.9	43.6	1.0	0.5

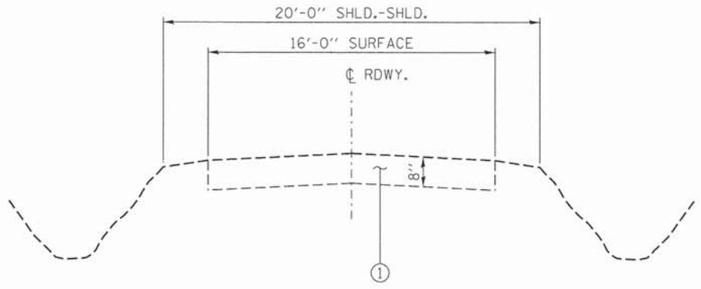
TOTALS = 900 GALLONS | 3,600 GALLONS | 80 TONS | 40 TONS

48101200 AGGREGATE SHOULDERS, TYPE B

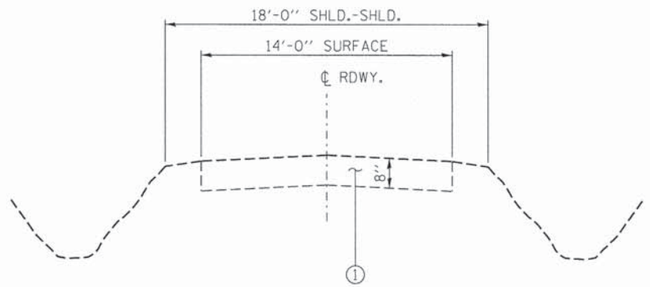
STATION	TO	STATION	LENGTH	WIDTH	TONS
TR 158					
RT 10+97.07		RT 11+21.07	24.00	3.75+7.75/2	5.1
RT 11+21.07		RT 11+56.07	35.00	7.75	10.1
RT 11+56.07		RT 11+96	39.93	7.75+6.8/2	10.8
LT 11+07.26		LT 11+31.26	24.00	3.75+7.75/2	5.1
LT 11+31.26		LT 11+66.26	35.00	7.75	10.1
LT 11+68.07		LT 12+06	37.93	7.75+6.8/2	10.2
RT 13+58		RT 13+99.74	41.74	6.80	10.5
RT 13+99.74		RT 14+34.74	35.00	6.8+7.75/2	9.4
RT 14+34.74		RT 14+59	24.26	7.75	7.0
LT 13+70		LT 14+09.93	39.93	6.80	10.1
LT 14+09.93		LT 14+44.93	35.00	6.8+7.75/2	9.4
LT 14+44.93		LT 14+68.93	24.00	7.75	6.7

ASSUME: 6" AVERAGE DEPTH
ASSUME: 2.0 TON PER CU YD

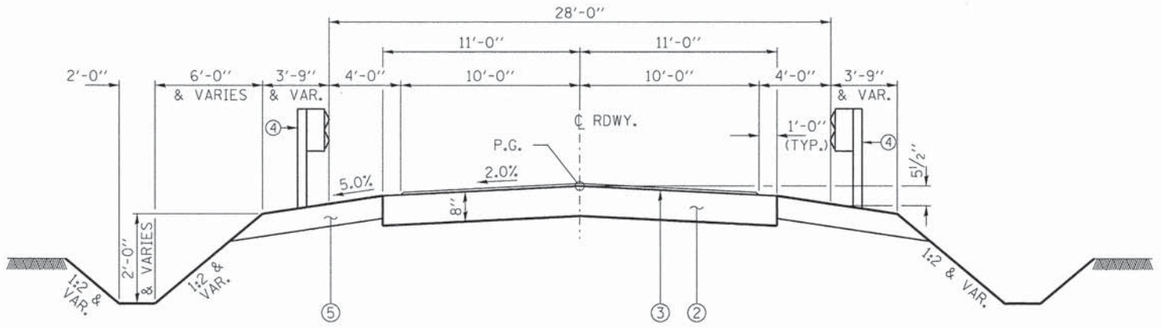
TOTAL = 105 TONS



EXISTING CROSS SECTION (N. 1200TH ST.)
STA. 2+50 TO STA. 17+00



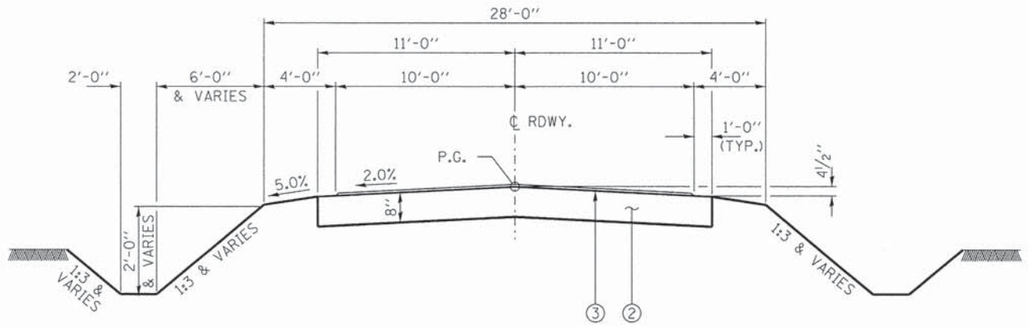
EXISTING CROSS SECTION (E. 300TH ROAD)
STA. 50+00 TO STA. 53+70



PROPOSED TYPICAL CROSS SECTION (N. 1200TH ST.)
STA. 11+33.27 TO 12+02.28
STA. 13+63.72 TO 14+32.67

SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

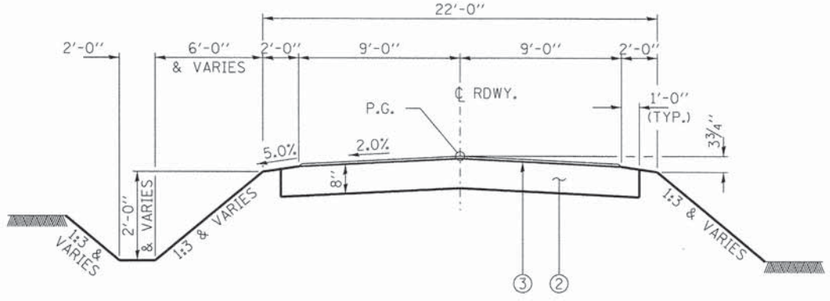


PROPOSED TYPICAL CROSS SECTION (N. 1200TH ST.)
STA. 3+50 TO 11+33.27
STA. 14+32.67 TO 16+00

SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

TRANSITIONS FROM THE PROPOSED ROADWAY TO THE EXISTING ROADWAY ARE TO BE CONSTRUCTED FROM STA. 3+50 TO 4+50 AND STA. 15+00 TO 16+00. SEE SHEET 19 FOR TRANSITION AT BRIDGE.



SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

PROPOSED TYPICAL CROSS SECTION (E. 300TH ROAD)
STA. 50+10 TO 53+77

LEGEND

① EXISTING BITUMINOUS SURFACE TREATMENT ON AGGREGATE BASE.
② AGGREGATE BASE COURSE, TY A
③ BITUMINOUS SURFACE TREATMENT, CLASS A-3
④ TRAFFIC BARRIER TERMINALS
⑤ AGGREGATE SHOULDERS, TYPE A (6")
⑥ AGGREGATE SURFACE COURSE, TY B

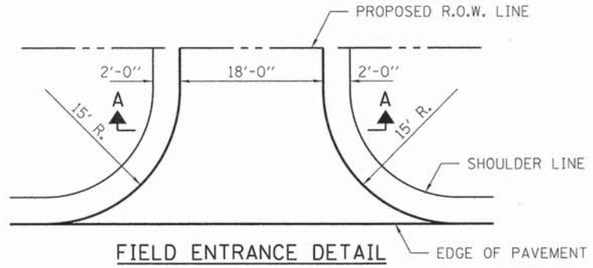
FILE NAME = 110346-sht-typsections.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LD / PE / SE CORP. 184.000959		DRAWN - R.D.H.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

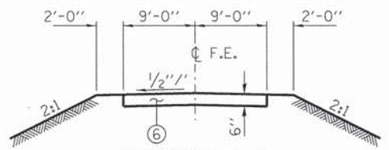
TYPICAL CROSS SECTIONS

SCALE: | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	6
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			



FIELD ENTRANCE DETAIL



SECTION A-A

LEGEND

① EXISTING BITUMINOUS SURFACE TREATMENT ON AGGREGATE BASE.

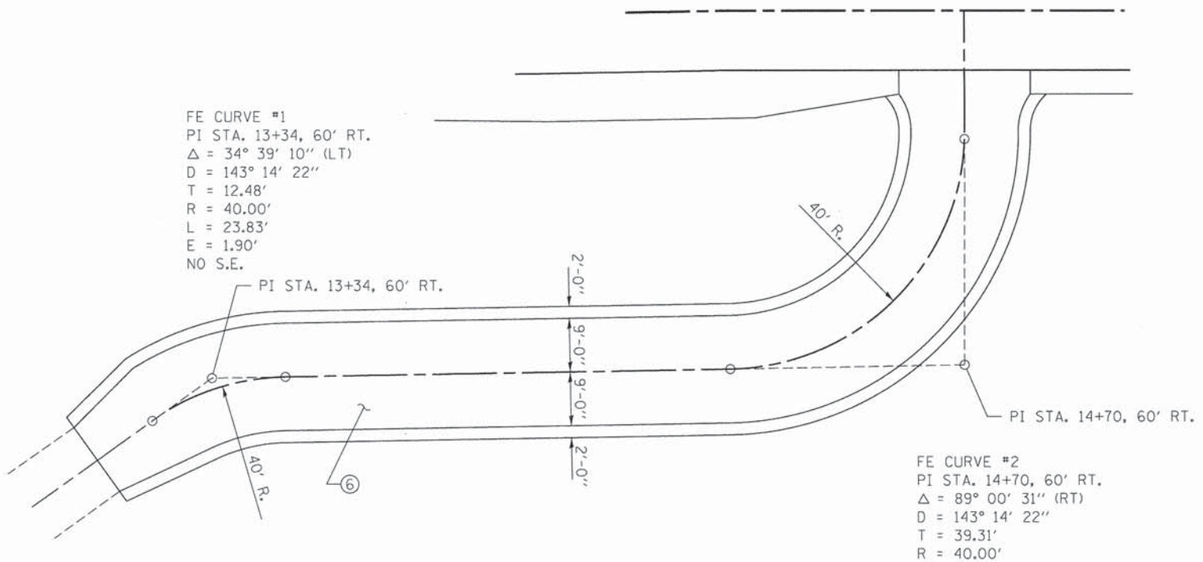
② AGGREGATE BASE COURSE, TY A

③ BITUMINOUS SURFACE TREATMENT, CLASS A-3

④ TRAFFIC BARRIER TERMINALS

⑤ AGGREGATE SHOULDERS, TYPE A (6")

⑥ AGGREGATE SURFACE COURSE, TY B



FIELD ENTRANCE DETAIL
STA. 14+70

FILE NAME = 110346-sht-entdet.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3093 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.002959		DRAWN - R.D.H.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

FIELD ENTRANCE DETAILS

SCALE: | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	11-14126-00-BR	EDGAR	71	7
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-1004(053)			

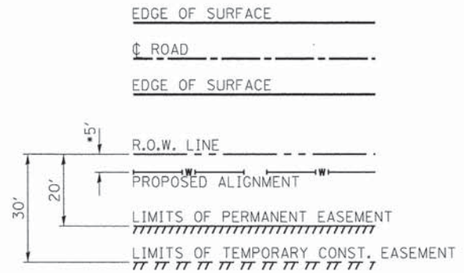
WATER MAIN NOTES

1.) THE WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 561 OF THE IDOT STANDARD SPECIFICATIONS AND THE STANDARD SPECIFICATION FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS - 7TH EDITION, 2014.

2.) THE WATER MAIN PIPE MATERIAL SHALL BE PVC, CLASS 200.

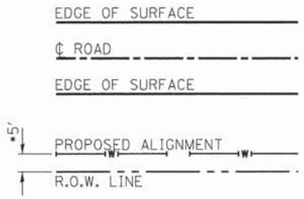
3.) THE CONTRACTOR SHALL NOTIFY THE CLARK EDGAR RURAL WATER DISTRICT AT LEAST 48 HOURS IN ADVANCE OF THE WATER MAIN WORK. THE CONTRACTOR SHALL NOT OPERATE ANY VALVES OR OTHERWISE INTERRUPT WATER SERVICE WITHOUT PRIOR APPROVAL FROM THE WATER DISTRICT. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED USERS AT LEAST 24 HOURS IN ADVANCE OF WATER SERVICE INTERRUPTION.

4.) BEFORE MAKING ANY CONNECTIONS TO EXISTING WATER MAINS, THE CONTRACTOR SHALL HAVE ALL NECESSARY TOOLS, MATERIALS, PIPE AND FITTINGS ON HAND AND SUFFICIENT EXPERIENCED WORKERS AVAILABLE TO PRECLUDE ANY UNNECESSARY DELAY IN MAKING THE CONNECTION DUE TO ADVERSE CONDITIONS OR MISHAP. THE ACTUAL WORK OF CUTTING INTO THE MAIN SHALL NOT BE DONE UNTIL ALL MEASUREMENTS, NECESSARY PIPE ASSEMBLY AND OTHER SPECIFIED PROVISIONS HAVE BEEN COMPLETED.



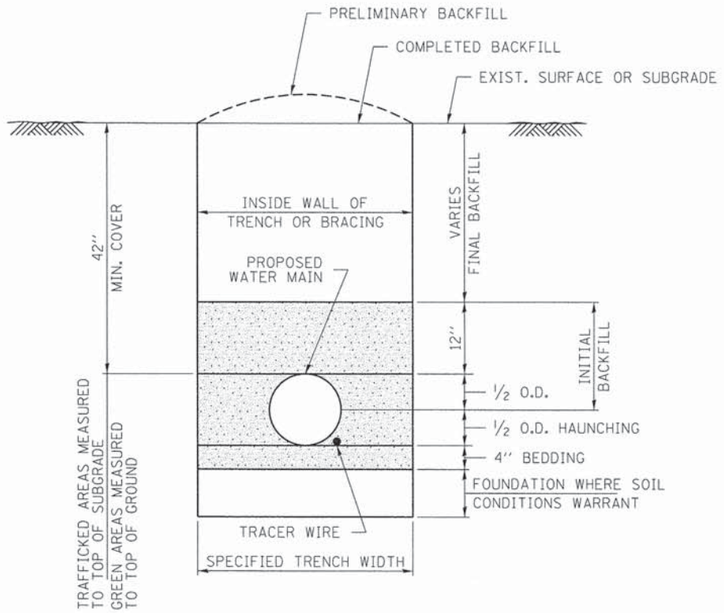
*WATER MAIN SHALL BE INSTALLED APPROXIMATELY 5' BEYOND THE R.O.W. UNLESS OTHERWISE DIRECTED BY ENGINEER NO EXCEPTIONS.

INSTALLATION OF WATER MAIN ON PRIVATE EASEMENT

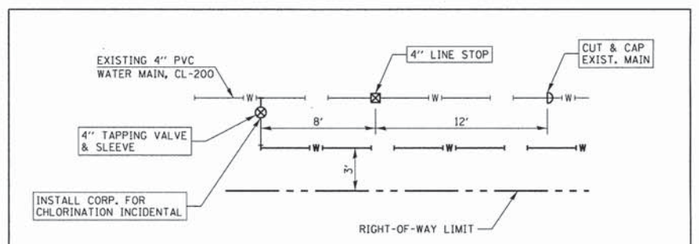


*WATER MAIN SHALL BE INSTALLED APPROXIMATELY 5' INSIDE OF THE R.O.W. UNLESS OTHERWISE DIRECTED BY ENGINEER NO EXCEPTIONS.

INSTALLATION OF WATER MAIN ON STATE, COUNTY, OR TOWNSHIP RIGHT OF WAY



WATER MAIN INSTALLATION DETAIL



TYPICAL WATER MAIN RELOCATION DETAIL

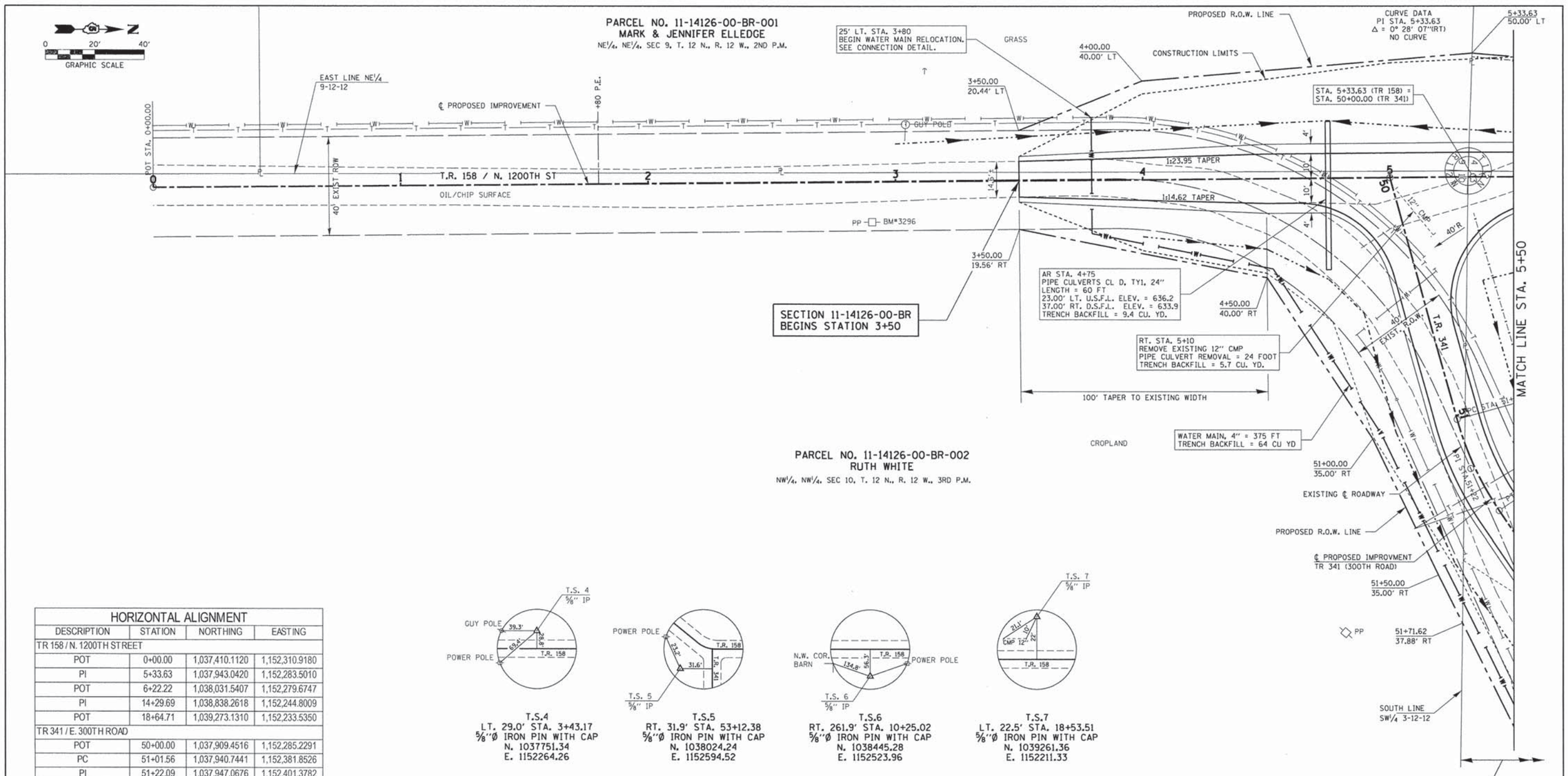
FILE NAME = 110346-sht-water main.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - D.A.B.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

WATER MAIN DETAILS

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

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	8
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			



HORIZONTAL ALIGNMENT			
DESCRIPTION	STATION	NORTHING	EASTING
TR 158 / N. 1200TH STREET			
POT	0+00.00	1,037,410.1120	1,152,310.9180
PI	5+33.63	1,037,943.0420	1,152,283.5010
POT	6+22.22	1,038,031.5407	1,152,279.6747
PI	14+29.69	1,038,838.2618	1,152,244.8009
POT	18+64.71	1,039,273.1310	1,152,233.5350
TR 341 / E. 300TH ROAD			
POT	50+00.00	1,037,909.4516	1,152,285.2291
PC	51+01.56	1,037,940.7441	1,152,381.8526
PI	51+22.09	1,037,947.0676	1,152,401.3782
PT	51+42.25	1,037,959.3028	1,152,417.8566
PC	52+63.95	1,038,031.8549	1,152,515.5706
PI	52+98.36	1,038,052.3655	1,152,543.1945
PT	53+31.10	1,038,055.8513	1,152,577.4233
POT	53+77.25	1,038,060.5272	1,152,623.3381

BENCHMARKS						
BM #	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
3296	2+90.53	RT. 16.7'	1,037,701.123	1,152,312.702	644.16	SPIKE IN SOUTH SIDE OF POWER POLE
3297	10+93.97	RT. 231.6'	1,038,512.861	1,152,490.690	618.93	SPIKE IN SOUTH SIDE OF POWER POLE
3298	15+08.89	RT. 41.3'	1,038,919.509	1,152,284.010	620.42	SPIKE IN SOUTH SIDE OF POWER POLE

T.S.4
LT. 29.0' STA. 3+43.17
⅝"Ø IRON PIN WITH CAP
N. 1037751.34
E. 1152264.26

T.S.5
RT. 31.9' STA. 53+12.38
⅝"Ø IRON PIN WITH CAP
N. 1038024.24
E. 1152594.52

T.S.6
RT. 261.9' STA. 10+25.02
⅝"Ø IRON PIN WITH CAP
N. 1038445.28
E. 1152523.96

T.S.7
LT. 22.5' STA. 18+53.51
⅝"Ø IRON PIN WITH CAP
N. 1039261.36
E. 1152211.33

HORIZONTAL CONTROL POINTS

NOTE:
SEE SHEET 15 FOR
SIDE ROAD DETAILS.

FILE NAME = 110346-sht-plan-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LE / PE / SE CORP. 184.000959		DRAWN - T.W.K.	REVISED -	
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -	
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -	

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

PLAN
1200TH STREET

SCALE: 20:1 | SHEET NO. 1 OF 3 SHEETS | STA. 0+00.00 TO STA. 5+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	9
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

PARCEL NO. 11-14126-00-BR-003
CAROL JEAN EADS
SE¼, SE¼, SEC 4, T. 12 N., R. 12 W., 3RD P.M.

PARCEL NO. 11-14126-00-BR-004
JOHN LOUIS ELLEDGE
SW¼, SW¼, SEC 3, T. 12 N., R. 12 W., 2ND P.M.

PARCEL NO. 11-14126-00-BR-007
STATE BANK OF CHRISMAN,
CUSTODIAN FOR STEPHEN W. EITEL
SW¼, SW¼, SEC 3, T. 12 N., R. 12 W., 2ND P.M.

VERN SEE
SW¼, SW¼, SEC 3, T. 12 N., R. 12 W., 2ND P.M.

STATE BANK OF CHRISMAN,
CUSTODIAN FOR STEPHEN W. EITEL
SW¼, SW¼, SEC 3, T. 12 N., R. 12 W., 2ND P.M.

T.R. 158 / N. 1200TH ST

T.R. 341 (300TH ROAD)

MATCH LINE STA. 5+50

MATCH LINE STA. 11+50

STA. 6+10 LT
CONSTRUCT 18' F.E.

+10 F.E.

GRASS

6+50.00
40.00' LT

7+50.00
40.00' LT

CONSTRUCTION LIMITS

PROPOSED R.O.W. LINE

PROP. R.O.W.
9+50.00
80.00' LT

PROP. R.O.W.
10+00.00
80.00' LT

TIMBER

11+00.00
50.00' LT

11+50.00
50.00' LT

GRAPHIC SCALE
0 20' 40'

+07.26
14' LT

+31.26
18' LT

+41.26
14' LT

℄ PROPOSED IMPROVEMENT

TREE LINE

B3

B2

B4

WETLAND
TO BE FILLED
0.03 ACRE

+00 F.E.

STA. 7+00 RT
CONSTRUCT 18' F.E.

6+00.00
35.00' RT

8+50.00
35.00' RT

9+50.00
55.00' RT

9+84.68
55.00' RT

WEST LINE SW¼
3-12-12

+97.07
14' RT

+21.07
18' RT

+31.07
14' RT

50+63.56
43.25' LT

PC STA. 51+01.56

CONSTRUCTION LIMITS

PT STA. 51+42.25

51+45.90
33.36' LT

PROPOSED R.O.W. LINE

℄ PROPOSED IMPROVEMENT
TR 341 (300TH ROAD)

NOTE:
SEE SHEET 15 FOR
SIDE ROAD DETAILS.

WOVEN WIRE FENCE REMOVAL AND REPLACEMENT
FINAL LOCATTIN TO BE APPROVED BY ENGINEER.

STA. 52+17
REMOVE EXISTING 18" CMP
PIPE CULVERT REMOVAL = 187 FOOT
TRENCH BACKFILL = 36.9 CU. YD.

STONE RIPRAP
220 TON

52 18" CMP

TIMBER

52+59.82
29.50' LT

52+85.02
71.6' LT

52+96.85
105.23' LT

52+94.11
96.2' LT

52+25.00
45.00' RT

PC STA. 52+63.95

PT STA. 53+09.98

53 T.R. 341

1:22 TAPER

NO TAPER

CONSTRUCTION LIMITS

53+00.00
25.31' RT
PT STA. 53+31.10

GUY

PP

53+40.24
48.6' LT

53+40.24
76.7' LT

EXISTING S.N. 023-5300
REMOVAL OF EXISTING
STRUCTURES = 1 EACH

PERMANENT ROAD
CLOSURE = 1 EACH

BARN

BIG CREEK

TREE LINE

AGGR. SURFACE

20' EXIST.

20' R.O.W.

22

20

32

20

+05 P.E.

PP

BM=3297

GRASS

EXISTING ROADWAY TO
REMAIN IN PLACE

9+84.00±
131.00'± RT

NOTE:
SEE SHEETS 16 THRU 18 FOR EROSION CONTROL ITEMS,
PAVEMENT DEGRADTION AND TREE REMOVAL ITEMS.

EXISTING STRUCTURE NO. 023-5300

STATION 8+79 - TWO SPAN RC THRU GIRDER BRIDGE WITH CLOSED CONCRETE ABUTMENTS AND SOLID CONCRETE PIER AND CONCRETE HANDRAIL. 83.6' FC.-FC. ABUTS; 19.2' o.-o. DECK

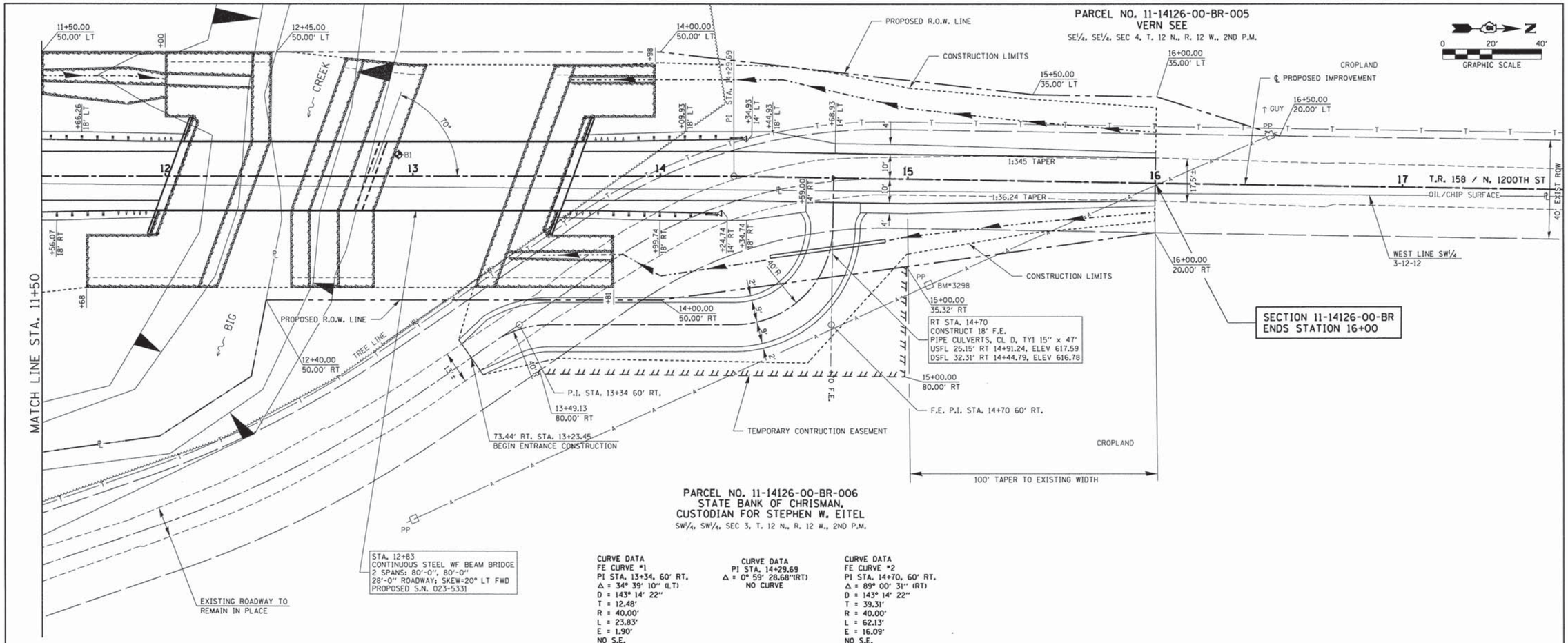
FILE NAME = 110346-sht-plan-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3083 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - T.W.K.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

PLAN
1200TH STREET

SCALE: 20:1 | SHEET NO. 2 OF 3 SHEETS | STA. 5+50.00 TO STA. 11+50.00

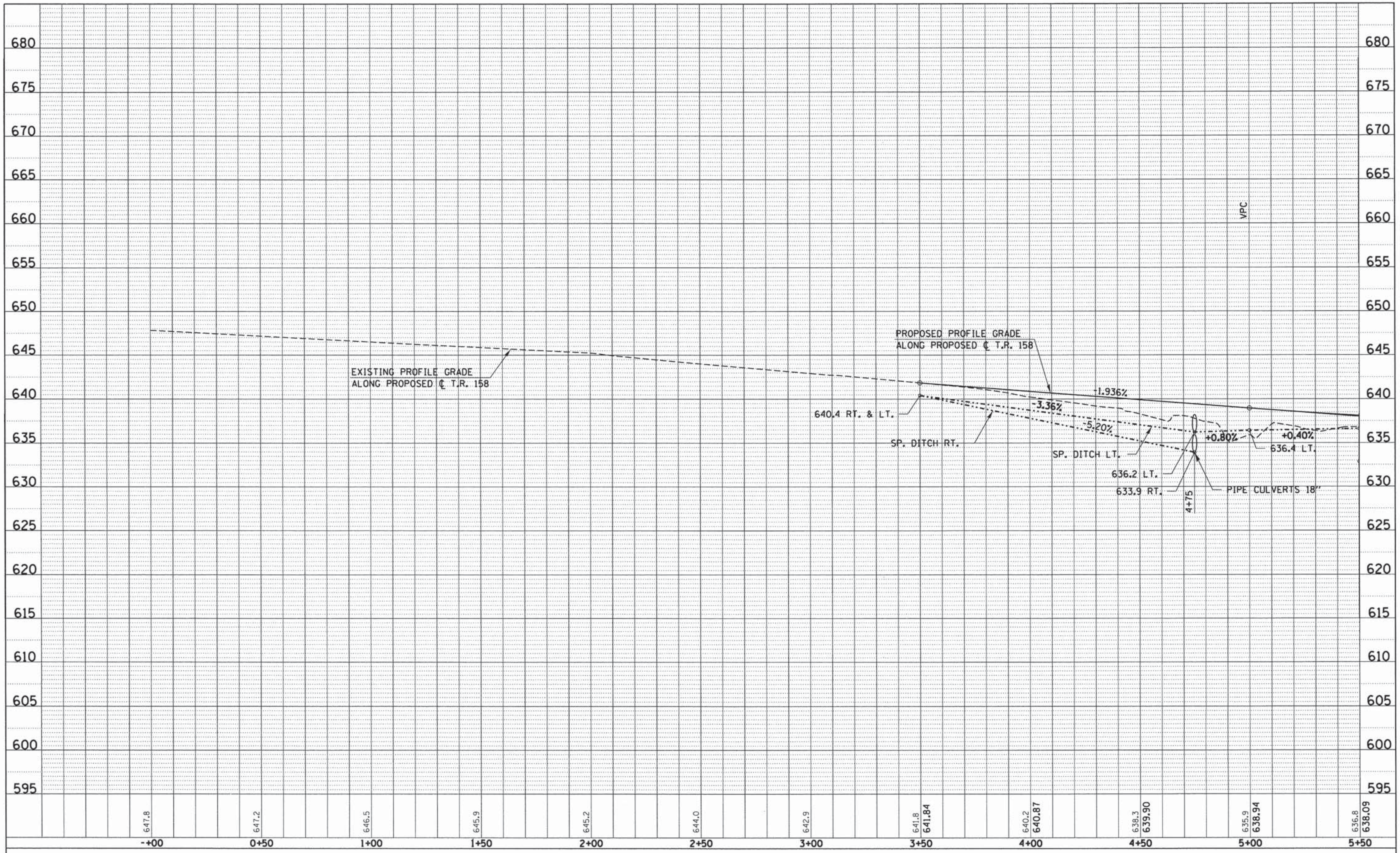
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	10
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			



NOTE:
SEE SHEETS 16 TRU 18 FOR EROSION CONTROL ITEMS, PAVEMENT DEGRADATION AND TREE REMOVAL ITEMS.

FILE NAME = 110346-sht-plan-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	PLAN 1200TH STREET			
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000869		DRAWN - T.W.K.	REVISED -					
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -		SCALE: 20:1	SHEET NO. 3 OF 3 SHEETS	STA. 11+50.00 TO STA. 17+50.00	
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -					

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	11
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			



PLAN NOTE BOOK NO.____ SURVEYED____ PLOTTED____ ALIGNMENT CHECKED____ RT. OF WAY CHECKED____ CADD FILE NAME____ BY DATE

PROFILE NOTE BOOK NO.____ SURVEYED____ PLOTTED____ GRADES CHECKED____ B.M. NOTED____ STRUCTURE NOTAT'NS CH'KD____ BY DATE

FILE NAME = 110346-sht-profile-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - T.W.K.	REVISED -
HLR ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

PROFILE
1200TH STREET

SCALE: 20H:5V | SHEET NO. 1 OF 3 SHEETS | STA. 0+00.00 TO STA. 5+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	12
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT BROS-0045(053)		

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATING CHKD
NOTE BOOK
NO.
CAD FILE NAME
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATING CHKD
NOTE BOOK
NO.
BY
DATE

680
675
670
665
660
655
650
645
640
635
630
625
620
615
610
605
600
595

VPI STA. 6+00
ELEV. 637.00
K = 103
200' V.C.
VPRC
VPI STA. 8+50
ELEV. 637.00
K = 60
300' V.C.
VPRC
VPI STA. 11+00
ELEV. 624.50
K = 43
200' V.C.

PROPOSED PROFILE GRADE
ALONG PROPOSED ℄ T.R. 158

-1.936%
+0.80%
636.6 LT.
+1.08%
637.0 LT.
-0.40%
635.23 LT.
634.2 RT.
SP. DITCH LT.
-1.92%
634.73 LT.
+0.000%
633.77 LT.
-5.000%
632.85 RT.
SP. DITCH RT.
STD DITCH LT. - 2FT BELOW SHOULDER PT
EXISTING PROFILE GRADE
ALONG PROPOSED ℄ T.R. 158
200' V.C.
624.89 LT.
-7.26%
SP. DITCH LT.
617.63 LT.

5+65
6+25
5+75

636.8 638.09
637.3 637.48
636.7 637.12
636.0 637.00
636.2 636.79
636.6 636.17
637.5 635.13
638.3 633.67
639.0 631.79
629.6 629.50
618.7 627.29
618.2 625.65
617.5 624.59

5+50 6+00 6+50 7+00 7+50 8+00 8+50 9+00 9+50 10+00 10+50 11+00 11+50

FILE NAME = 110346-sht-profile-TR158.dgn
USER NAME =
PLOT SCALE =
PLOT DATE = 9/15/2015

HAMPTON, LENZINI AND RENWICK, INC.
3065 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

DESIGNED - J.W.F.
DRAWN - L.G.C.
CHECKED - S.W.M.
DATE - 09/15/15

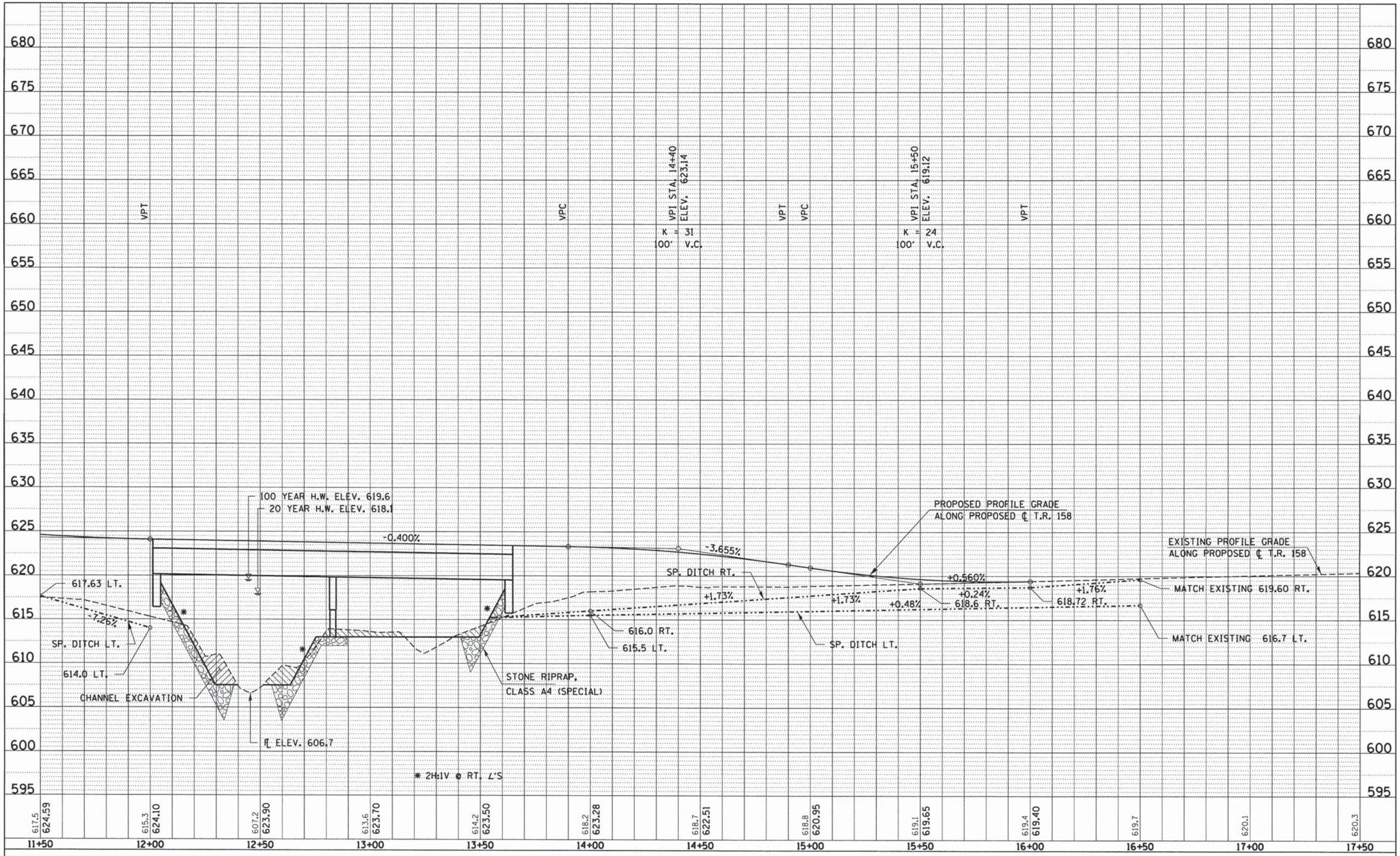
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

PROFILE
1200TH STREET

SCALE: 20H:5V | SHEET NO. 2 OF 3 SHEETS | STA. 5+50.00 TO STA. 11+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	13
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT BROS-0045(053)		



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

PROFILE	NOTE BOOK NO.	SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CHK'D	BY	DATE

FILE NAME = 110346-sht-profile-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

PROFILE
1200TH STREET

SCALE: 20H:5V | SHEET NO. 3 OF 3 SHEETS | STA. 11+50.00 TO STA. 17+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	14
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT BROS-0045(053)		

CAROL JEAN EADS
SE¼, SE¼, SEC 4,
T. 12 N., R. 12 W., 3RD P.M.

MARK & JENNIFER ELLEDGE
NE¼, NE¼, SEC 9,
T. 12 N., R. 12 W., 2ND P.M.

PARCEL NO. 11-14126-00-BR-002
RUTH WHITE
NW¼, NW¼, SEC 10, T. 12 N., R. 12 W., 2ND P.M.

SW¼, SW¼, SEC 3, T. 12 N., R. 12 W., 2ND P.M.

WOVEN WIRE FENCE REMOVAL AND REPLACEMENT

WELL TO BE ABD. 0.03

CURVE DATA
PI Sta. 51+22.09
Δ = 18° 38' 55" (LT)
D = 45° 50' 12"
T = 20.52'
R = 125.00'
L = 40.69'
E = 1.67'
PC Sta. 51+01.56
PT Sta. 51+42.25

6+50.00
40.00' LT

6+00.00
35.00' RT

PROPOSED R.O.W. LINE

℄ PROPOSED IMPROVEMENT
300TH ROAD

CONSTRUCTION LIMITS

51+45.90
33.56' LT

50+63.56
43.25' LT

5+33.63
50.00' LT

STA. 5+00.00 N. 1200TH ST.
STA. 50+00.00 E. 300TH RD.

51+50.00
35.00' RT

51+00.00
35.00' RT

52+59.82
29.50' LT

52+25.00
45.00' RT

EXIST. R.O.W. LINE
300TH ROAD

STA. 52+50
PIPE CULVERTS CL D, TY1, 24"
LENGTH = 102 FT. SKEW = 45°
27' RT. U.S.F.L. ELEV. 618.00
49' LT. D.S.F.L. ELEV. 611.00
TRENCH BACKFILL = 9.0 CU. YD.

30' RT. STA. 52+50
END WATER MAIN RELOCATION.
SEE CONNECTION DETAIL.

CURVE DATA
PI Sta. 52+98.36
Δ = 30° 46' 44" (RT)
D = 45° 50' 12"
T = 34.41'
R = 125.00'
L = 67.15'
E = 4.65'
PC Sta. 52+63.95
PT Sta. 53+31.10

300TH / T.R. 341

53+00.00
25.31 RT

CONSTRUCTION LIMITS

IMPROVEMENT ENDS
STATION 53+77.25

40' R.O.W. EXISTING

OIL/CHIP SURFACE

SOUTH LINE SW¼
3-12-12

GRAPHIC SCALE 0 20' 40'

VPI STA. 50+11
ELEV. 638.11

VPI STA. 51+00
ELEV. 633.66

VPI STA. 52+75
ELEV. 619.02

K = 30
100' V.C.

K = 26
150' V.C.

2.00%
-5.00%
-8.40%
-5.60%
-6.57%
-8.31%
-8.46%
-11.23%
-1.30%
-13.64%
-2.63%
-3.76%

+45, 633.9 RT.
+32.12, 633.0 LT.
632.9 LT.
631.8 RT.
629.0 RT.
623.0 LT.
620.54 RT.
SP. DITCH RT.
618.0 RT.
620.0 RT.
616.2 RT.
611.0 LT.
SP. DITCH LT.

EXISTING PROFILE GRADE
ALONG PROPOSED ℄ T.R. 341

PROPOSED PROFILE GRADE
ALONG PROPOSED ℄ T.R. 341

50+00	50+50	51+00	51+50	52+00	52+50	53+00	53+50
635.9 638.33	634.5 637.41	632.4 636.16	630.6 634.80	628.7 633.24	626.9 631.46	624.8 629.48	623.0 627.39	621.3 625.29	620.2 623.32	619.7 621.59	619.3 620.10	618.6 618.84	617.6 617.82	617.0 617.05	616.55 616.4

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, R.O.W. MONUMENTED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. MONUMENTED, STRUCTURE NO(S)/ING CHKD, NOTE BOOK, NO., BY, DATE

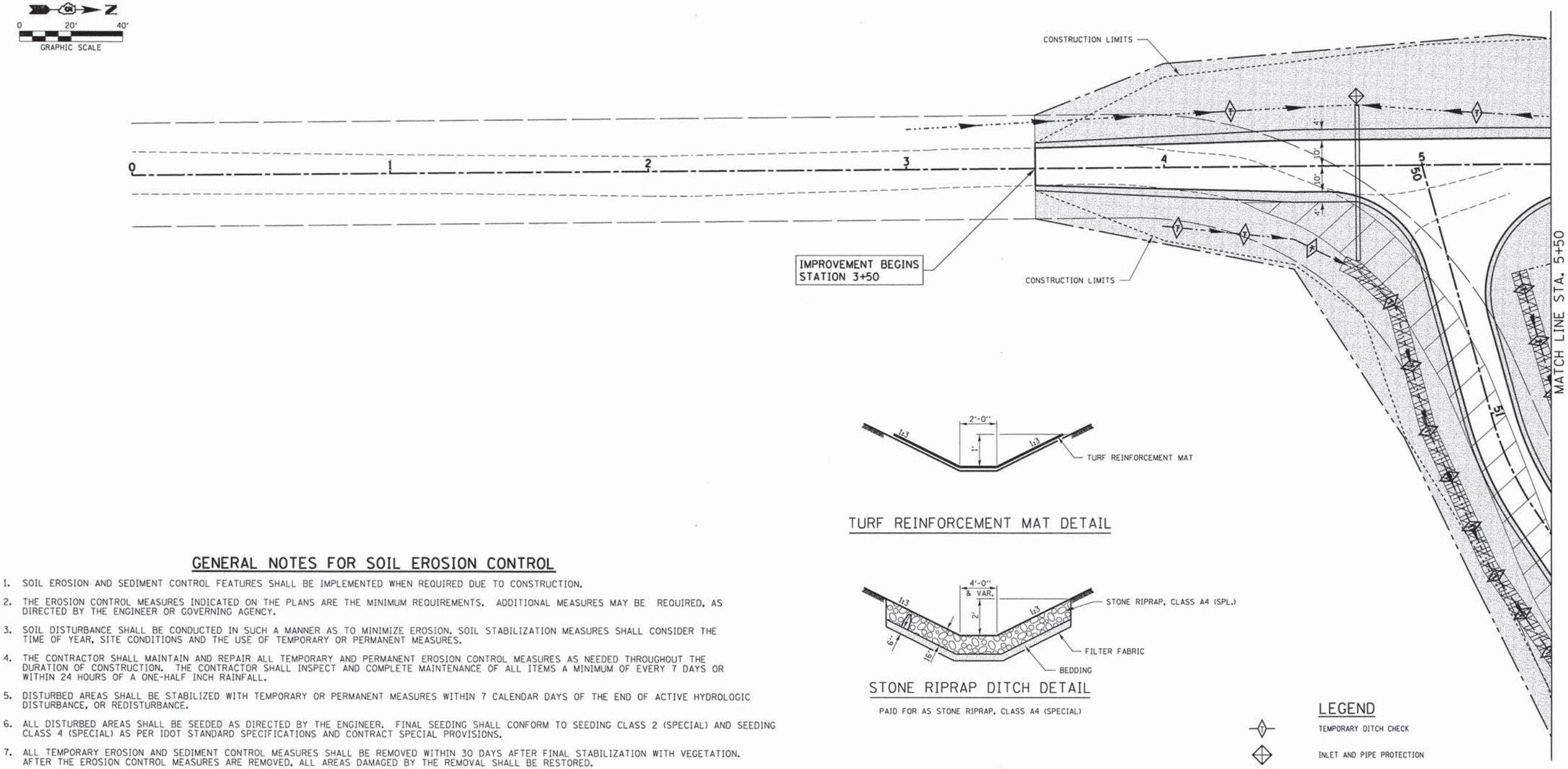
FILE NAME = 110346-sht-p&p-SR.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3360 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - L.G.C.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

PLAN & PROFILE
300TH ROAD

SCALE: 20H:5V | SHEET NO. 1 OF 1 SHEETS | STA. 50+00.00 TO STA. 54+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	11-14126-00-BR	EDGAR	71	15
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			



TURF REINFORCEMENT MAT DETAIL

STONE RIPRAP DITCH DETAIL

PAID FOR AS STONE RIPRAP, CLASS A4 (SPECIAL)

GENERAL NOTES FOR SOIL EROSION CONTROL

1. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE IMPLEMENTED WHEN REQUIRED DUE TO CONSTRUCTION.
2. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
3. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
4. THE CONTRACTOR SHALL MAINTAIN AND REPAIR ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES AS NEEDED THROUGHOUT THE DURATION OF CONSTRUCTION. THE CONTRACTOR SHALL INSPECT AND COMPLETE MAINTENANCE OF ALL ITEMS A MINIMUM OF EVERY 7 DAYS OR WITHIN 24 HOURS OF A ONE-HALF INCH RAINFALL.
5. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
6. ALL DISTURBED AREAS SHALL BE SEEDED AS DIRECTED BY THE ENGINEER. FINAL SEEDING SHALL CONFORM TO SEEDING CLASS 2 (SPECIAL) AND SEEDING CLASS 4 (SPECIAL) AS PER IDOT STANDARD SPECIFICATIONS AND CONTRACT SPECIAL PROVISIONS.
7. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION WITH VEGETATION. AFTER THE EROSION CONTROL MEASURES ARE REMOVED, ALL AREAS DAMAGED BY THE REMOVAL SHALL BE RESTORED.
8. PERIMETER EROSION BARRIER SHALL BE INSTALLED AT LOCATIONS SPECIFIED IN THE PLANS AT 4 FEET OUTSIDE THE TOE OF SLOPE OR INSIDE THE RIGHT-OF-WAY OR EASEMENT WHICHEVER IS CLOSER TO THE CENTERLINE, OR AS DIRECTED BY THE ENGINEER PRIOR TO THE START OF ANY EARTHWORK. STAKES SHALL BE PLACED AT A MAXIMUM SPACING OF 5 FOOT. THE FENCE INSTALLATION, MAINTENANCE, REMOVAL AND THE RESTORATION OF THE AREA DISTURBED BY THE FENCE INSTALLATION IS INCLUDED IN COST OF THE PAY ITEM PERIMETER EROSION BARRIER.
9. TEMPORARY DITCH CHECKS SHALL BE CONSTRUCTED AS SHOWN HEREON OR AS DIRECTED BY THE ENGINEER. THE DITCH CHECK SPACING IS BASED ON 1.5' HIGH DITCH CHECKS WITH A MAXIMUM SPACING DISTANCE OF 150' AT OR LESS THAN A 1% DITCH SLOPE. THE DITCH CHECKS SHALL BE INSTALLED AS GRADING PROGRESSES THROUGH THE PROJECT. THE PAY ITEM FOR TEMPORARY DITCH CHECK SHALL INCLUDE THE COST OF INSTALLATION, MANTENANCE AND REMOVAL.
10. THE CONTRACTOR SHALL MAINTAIN AND PRESERVE ANY EXISTING SUB-SURFACE DRAINAGE SYSTEMS (i.e. FIELD TILES) ACCORDING TO SECTION 611 OF THE IDOT STANDARD SPECIFICATIONS. ALL WORK REQUIRED TO REPAIR OR REPLACE FIELD TILE WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
11. EROSION CONTROL BLANKET SHALL BE PLACED ON ALL SLOPES STEEPER THAN 1V:3H AFTER PLACEMENT OF FINAL SEEDING AND FERTILIZER.

LEGEND

- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- TREE REMOVAL ACRES
- DELINEATED WETLAND BOUNDARY
- STONE RIPRAP CLASS A4, (SPECIAL)
- SEEDING CLASS 2 (SPECIAL)
- AGGREGATE SHOULDERS
- TURF REINFORCEMENT MAT
- EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- EXISTING OIL/CHIP SURFACE TO BE DEGRADED. OBLITERATE EXISTING ROAD BED.

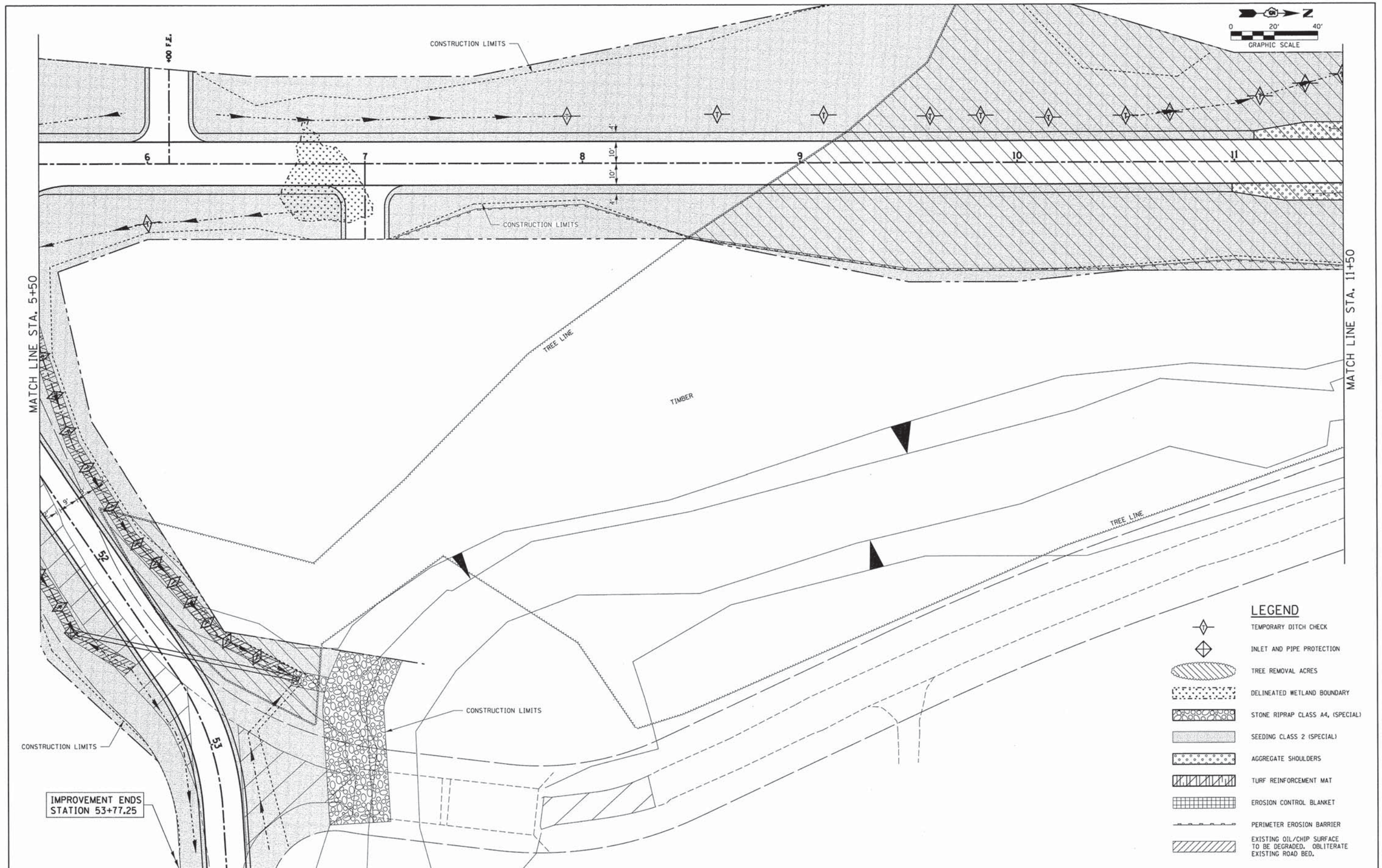
FILE NAME = 110346-sht-erosion.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LB / PE / SE CORP. 184.000959		DRAWN - T.W.K.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

EROSION CONTROL PLAN

SCALE: 20:1 | SHEET NO. 1 OF 3 SHEETS | STA. 0+00.00 TO STA. 5+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	16
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			



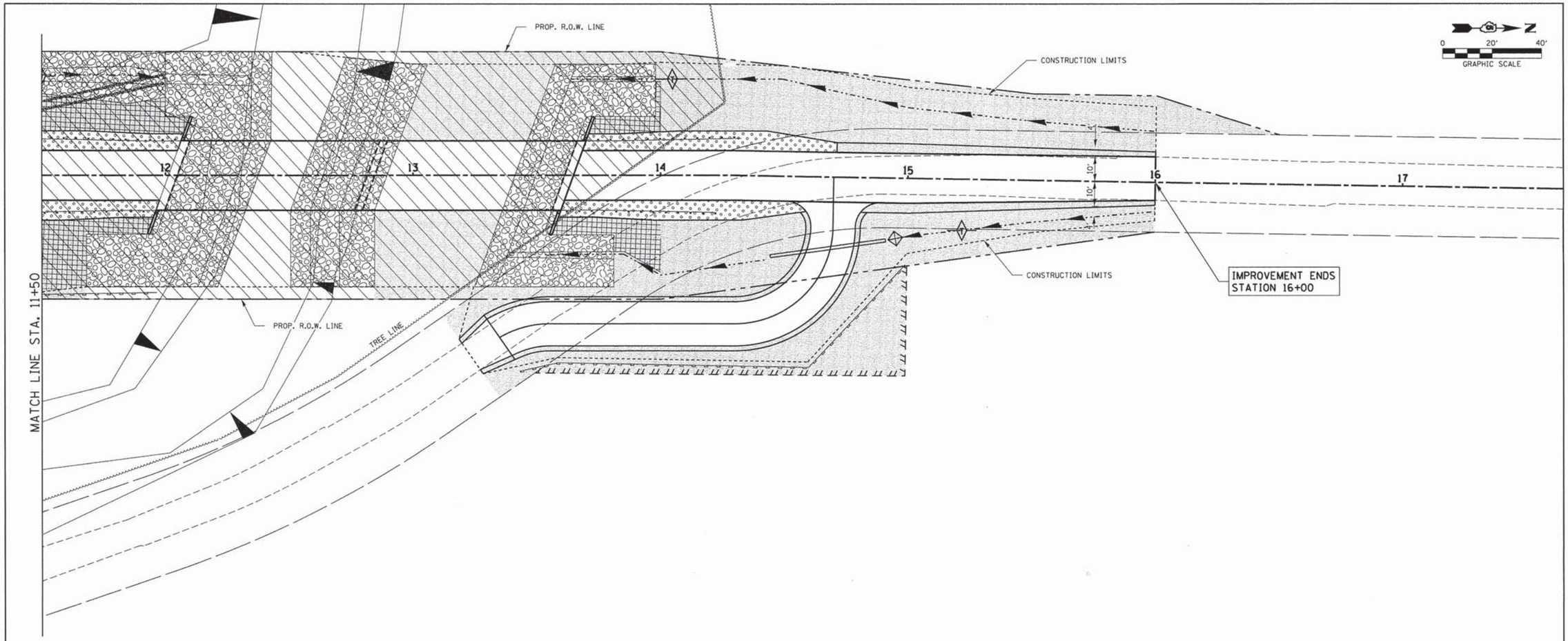
FILE NAME = 110346-sht-erosion.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

EROSION CONTROL PLAN

SCALE: 20:1 | SHEET NO. 2 OF 3 SHEETS | STA. 5+50.00 TO STA. 11+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	17
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			



SEEDING MIXTURES		
CLASS - TYPE	SEEDS	LBS / ACRE
2 ROADSIDE MIXTURE	INFERNO TALL FESCUE OR TARHEEL II TALL FESCUE	100
	PERENNIAL RYEGRASS	50
	CREEPING RED FESCUE	40
	RED TOP	10
4 NATIVE GRASS	ANDROPOGON GERARDI (BIG BLUE STEM)	4
	ANDROPOGON SCOPARIUS (LITTLE BLUE STEM)	5
	BOUTELOUA CURTIPENDULA (SIDE-OATS GRAMA)	5
	ELYMUS CANADENSIS (CANADA WILD RYE)	1
	PANICUM VIRGATUM (SWITCH GRASS)	1
	SORGHASTRUM NUTANS (INDIAN GRASS)	2
	ANNUAL RYEGRASS	25
	OATS, SPRING	25
	PERENNIAL RYEGRASS	15

LEGEND

- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- TREE REMOVAL ACRES
- DELINEATED WETLAND BOUNDARY
- STONE RIPRAP CLASS A4, (SPECIAL)
- SEEDING CLASS 2 (SPECIAL)
- AGGREGATE SHOULDERS
- TURF REINFORCEMENT MAT
- EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- EXISTING OIL/CHIP SURFACE TO BE DEGRADED. OBLITERATE EXISTING ROAD BED.

FILE NAME = 110346-sht-erosion.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -
3105 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

EROSION CONTROL PLAN

SCALE: 20:1 | SHEET NO. 3 OF 3 SHEETS | STA. 11+50.00 TO STA. 17+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	18
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

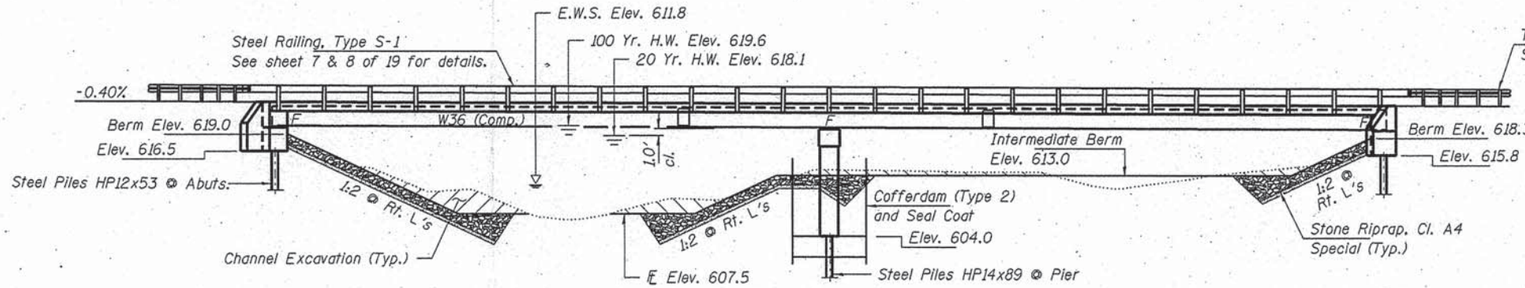
BENCHMARK: Spike in south side of power pole NNW of barn. Elev. 618.93

EXISTING STRUCTURE: SN 023-5300 was originally constructed in 1920. The structure is a two span reinforced concrete slab bridge on closed concrete abutments and pier. The length is 44.0' bk.-bk. abutments and the width is 19.2' o.-o. deck. Structure is to be removed and replaced.

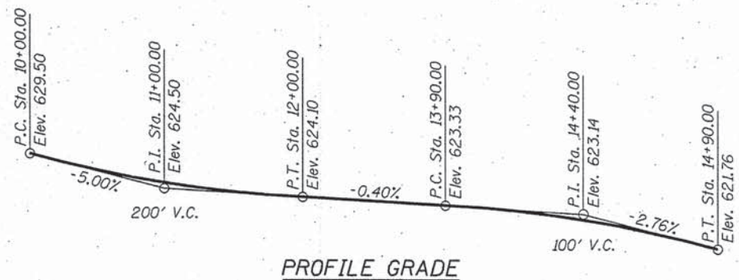
The road will be closed and traffic detoured during construction.

Salvage: The existing concrete structure will be salvaged for use as broken concrete riprap. See Special Provisions.

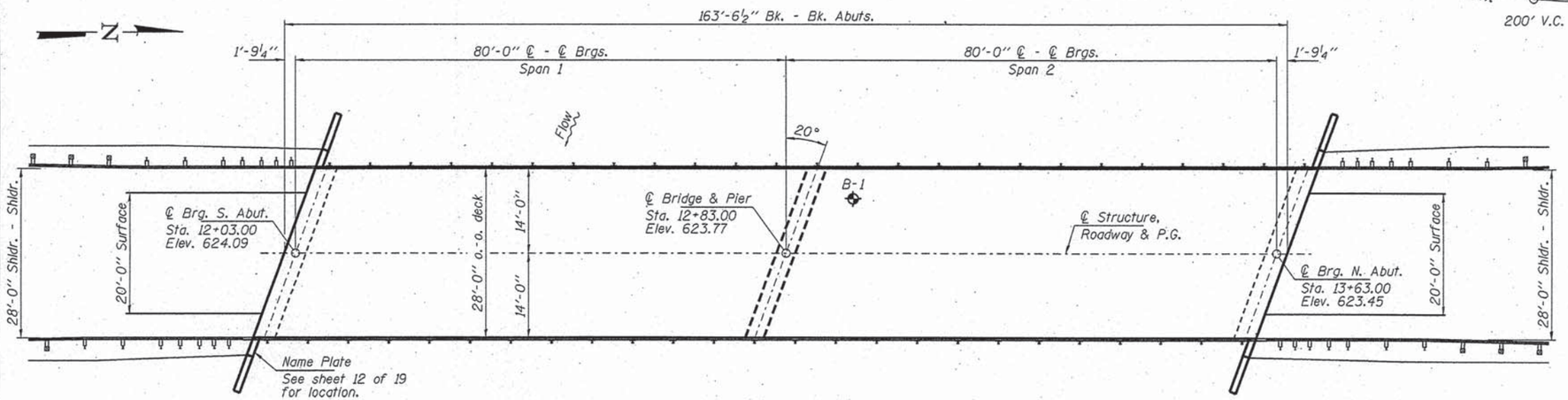
INDEX OF STRUCTURE SHEETS



ELEVATION



PROFILE GRADE
(along ℄ roadway)



PLAN

BIG CREEK
BUILT 201_ BY
EDGAR COUNTY
SEC. 11-14126-00-BR
SYMMES ROAD DISTRICT
STR. NO. 023-5331
LOADING HL-93

NAME PLATE
See Std. 515001

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications with 2013 interims.

LOADING HL-93

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

DESIGN STRESSES

f'c = 3,500 psi
fy = 60,000 psi (Reinf.)
fy = 50,000 psi (Structural Steel M270 GR. 50W)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (Sd1) = 0.166g
Design Spectral Acceleration at 0.2 sec. (Sds) = 0.333g
Soil Site Class = D

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	S. Abut.	Pier	N. Abut.
	616.5	600.5	615.8

WATERWAY INFORMATION

Drainage Area = 13.1 Sq. Mi.
Existing Low Grade Elev. 616.3 @ Sta. 10+50
Proposed Low Grade Elev. 620.1 @ Sta. 16+50

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Natural H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	2320	550	840	617.25	0.03	0.22	617.28	617.47
Design	20	2920	550	960	618.05	0.07	0.33	618.12	618.38
Base	100	4420	550	1110	619.56	0.13	0.69	619.69	620.25
Max. Calc.	500	6040	550	1110	620.53	0.13	0.61	620.66	621.14

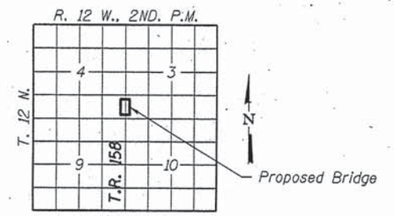
10 Year Velocity through Existing Bridge = 4.2 fps
10 Year Velocity through Proposed Bridge = 2.8 fps

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Specifications."

Donald W. Tempinson 09/15/2015
ILLINOIS STRUCTURAL NO. 081-7446

ILLINOIS STRUCTURAL ENGINEER
DONALD W. TEMPINSON
081-7446
SPRINGFIELD, IL.
STATE OF ILLINOIS

Expires 11-30-2016



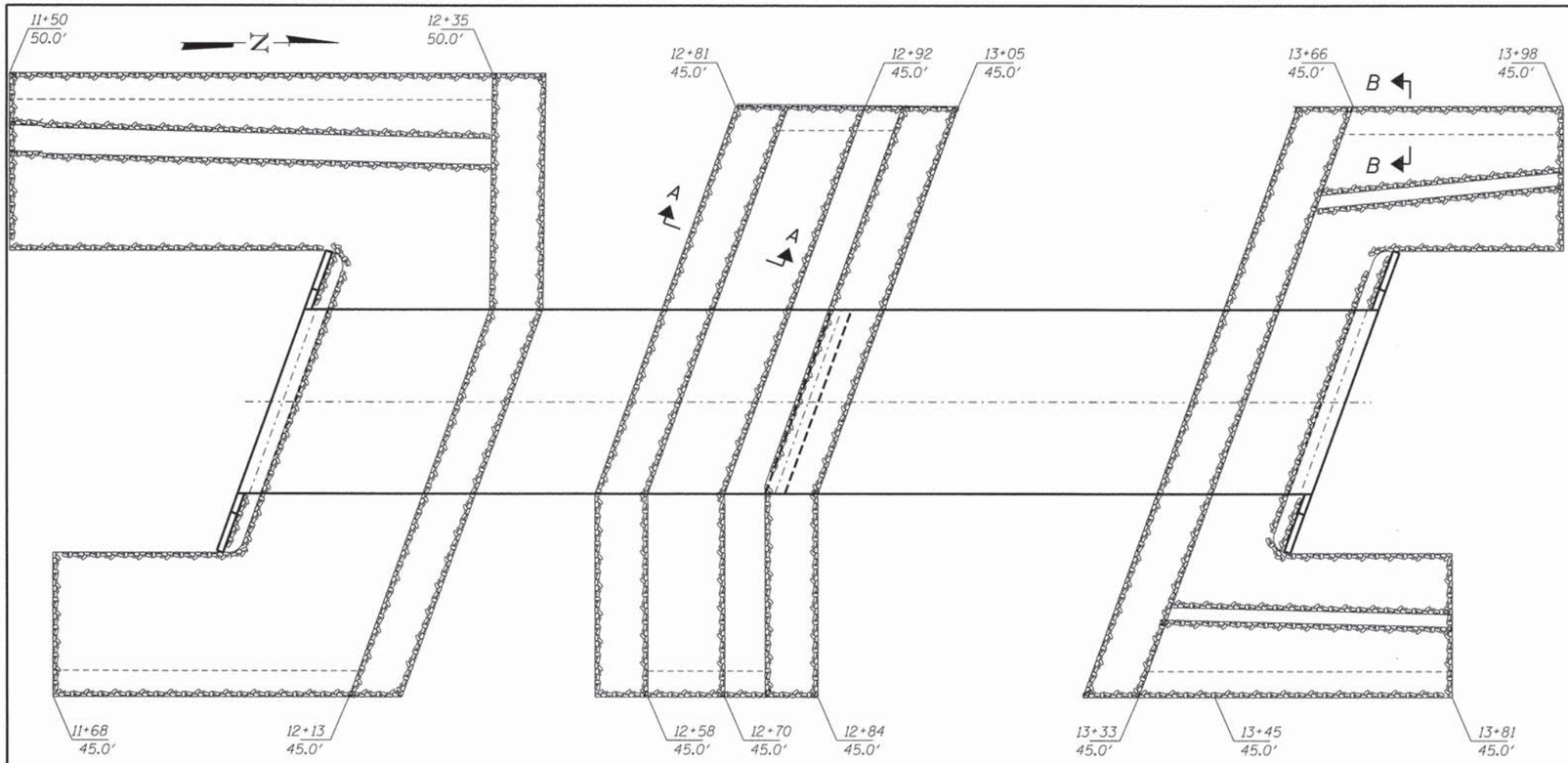
LOCATION SKETCH

FILE NAME = 118346-sht-bridge.dgn	USER NAME = #USER#	DESIGNED - D.W.T.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3083 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LD / PE / SC CORP. 184.000959	PLOT SCALE = #SCALE#	DRAWN - D.A.B.	REVISED -
	PLOT DATE = 11/10/2015	CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

GENERAL PLAN & ELEVATION
STRUCTURE NO. 023-5331
SHEET NO. 1 OF 19 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	19
SYMMES, ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BRGS-0045(053)			



RIPRAP LAYOUT

GENERAL NOTES

Fasteners shall be ASTM A325 Type 3, mechanically galvanized bolts. Bolts $\frac{3}{4}$"ϕ, holes $\frac{15}{16}$"ϕ, unless otherwise noted.

Calculated weight of Structural Steel = 134,010 lbs.

All structural steel shall be AASHTO M 270 Grade 50W.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.

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

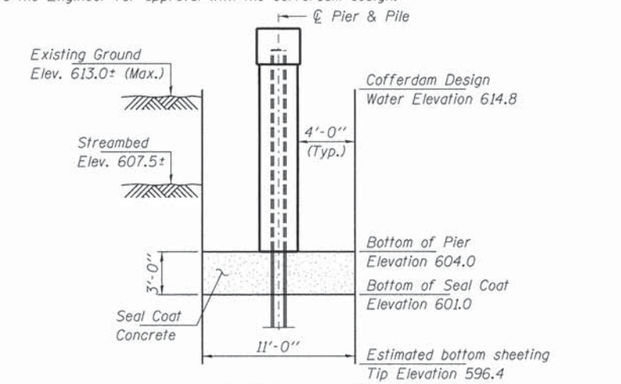
The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

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

Excavation required to construct the Abutments shall be included in the cost of Concrete Structures. No additional compensation will be allowed for Structure Excavation.

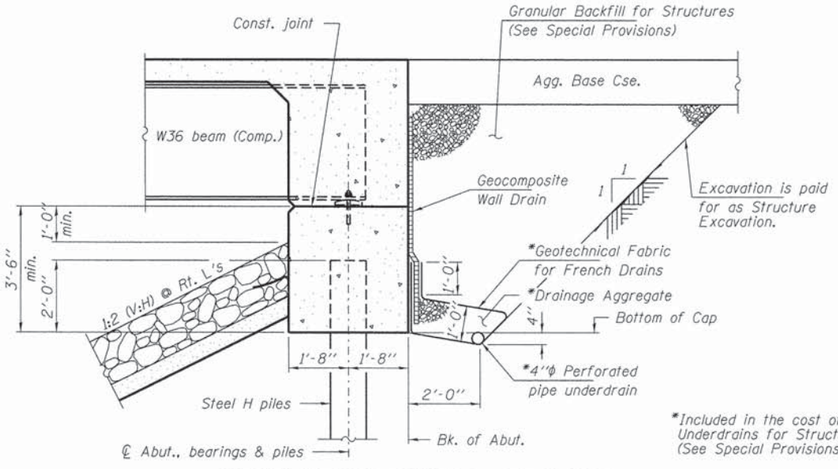
Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$" (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.



COFFERDAM DETAIL

Note:
It is the Contractor's responsibility to provide a design for the cofferdam and all other required appurtenances, subject to approval of the Engineeer. Plan dimensions of the cofferdam are 11'-0" x 38'-0" min.

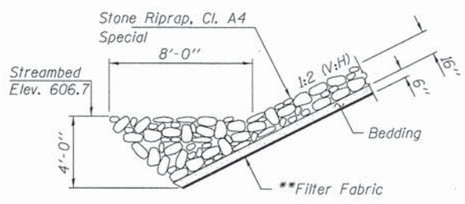


SECTION THRU INTEGRAL ABUTMENT

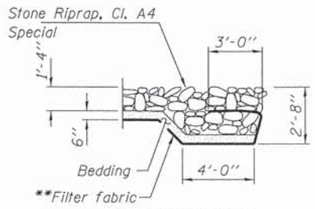
(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures, 4". (See Special Provisions)

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101)



SECTION A-A



SECTION B-B

TOTAL BILL OF MATERIAL

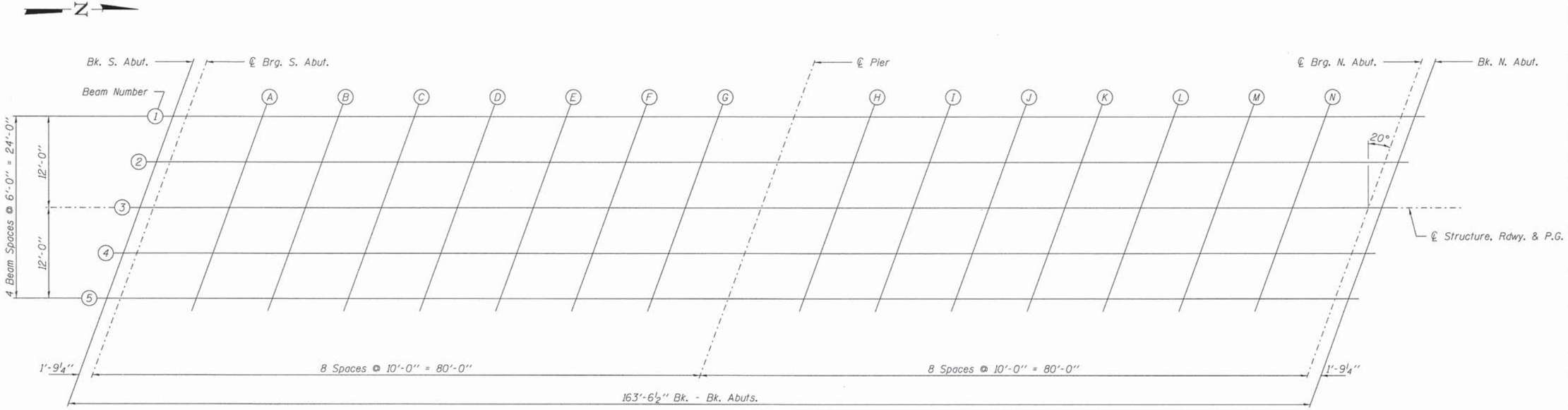
ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			260
Stone Riprap, Class A4 (Special)	Ton			1,220
Removal of Existing Structures	Each			1
Cofferdam Excavation	Cu. Yd.			185
Cofferdam (Type 2) (Location-1)	Each		1	1
Concrete Structures	Cu. Yd.		88.4	88.4
Concrete Superstructure	Cu. Yd.	154.1		154.1
Protective Coat	Sq. Yd.	572	22	594
Seal Coat Concrete	Cu. Yd.		46.4	46.4
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	2,625		2,625
Reinforcement Bars, Epoxy Coated	Pound	34,240	10,440	44,680
Steel Railing, Type S-1	Foot	334		334
Furnishing Steel Piles HP12x53	Foot		540	540
Furnishing Steel Piles HP14x89	Foot		600	600
Driving Piles	Foot		1,140	1,140
Test Pile Steel HP12x53	Each		2	2
Test Pile Steel HP14x89	Each		1	1
Name Plates	Each		1	1
Anchor Bolts, 1"	Each		30	30
Geocomposite Wall Drain	Sq. Yd.		72	72
Granular Backfill for Structures	Cu. Yd.		188	188
Pipe Underdrains for Structures 4"	Foot		122	122

FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.002959		CHECKED - S.W.M.	REVISED -	
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -	
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -	

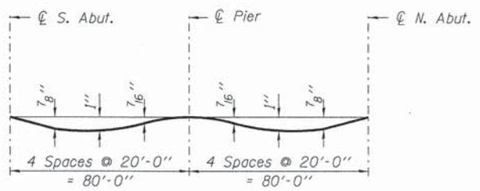
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

GENERAL DETAILS
STRUCTURE NO. 023-5331
SHEET NO. 2 OF 19 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	20
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			



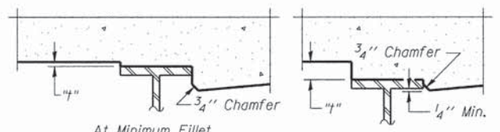
PLAN



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 4 and 5 of 19.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 4 and 5 of 19, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	TOP OF SLAB ELEVATIONS STRUCTURE NO. 023-5331
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP 184.000959		CHECKED - S.W.M.	REVISED -		SHEET NO. 3 OF 19 SHEETS
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	21
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	12+05.60	-12.00	623.83	623.83
℄ Brg. S. Abut.	12+07.37	-12.00	623.82	623.82
A	12+17.37	-12.00	623.78	623.82
B	12+27.37	-12.00	623.74	623.81
C	12+37.37	-12.00	623.70	623.79
D	12+47.37	-12.00	623.66	623.75
E	12+57.37	-12.00	623.62	623.69
F	12+67.37	-12.00	623.58	623.62
G	12+77.37	-12.00	623.54	623.55
℄ Pier	12+87.37	-12.00	623.50	623.50
H	12+97.37	-12.00	623.46	623.47
I	13+07.37	-12.00	623.42	623.46
J	13+17.37	-12.00	623.38	623.45
K	13+27.37	-12.00	623.34	623.43
L	13+37.37	-12.00	623.30	623.39
M	13+47.37	-12.00	623.26	623.33
N	13+57.37	-12.00	623.22	623.26
℄ Brg. N. Abut.	13+67.37	-12.00	623.18	623.18
Bk. N. Abut.	13+69.14	-12.00	623.17	623.17

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	12+03.41	-6.00	623.96	623.96
℄ Brg. S. Abut.	12+05.18	-6.00	623.95	623.95
A	12+15.18	-6.00	623.91	623.96
B	12+25.18	-6.00	623.87	623.95
C	12+35.18	-6.00	623.83	623.92
D	12+45.18	-6.00	623.79	623.88
E	12+55.18	-6.00	623.75	623.82
F	12+65.18	-6.00	623.71	623.75
G	12+75.18	-6.00	623.67	623.69
℄ Pier	12+85.18	-6.00	623.63	623.63
H	12+95.18	-6.00	623.59	623.61
I	13+05.18	-6.00	623.55	623.59
J	13+15.18	-6.00	623.51	623.58
K	13+25.18	-6.00	623.47	623.56
L	13+35.18	-6.00	623.43	623.52
M	13+45.18	-6.00	623.39	623.47
N	13+55.18	-6.00	623.35	623.40
℄ Brg. N. Abut.	13+65.18	-6.00	623.31	623.31
Bk. N. Abut.	13+66.95	-6.00	623.31	623.31

℄ BEAM 3, STRUCTURE, RDWY. & P.G.

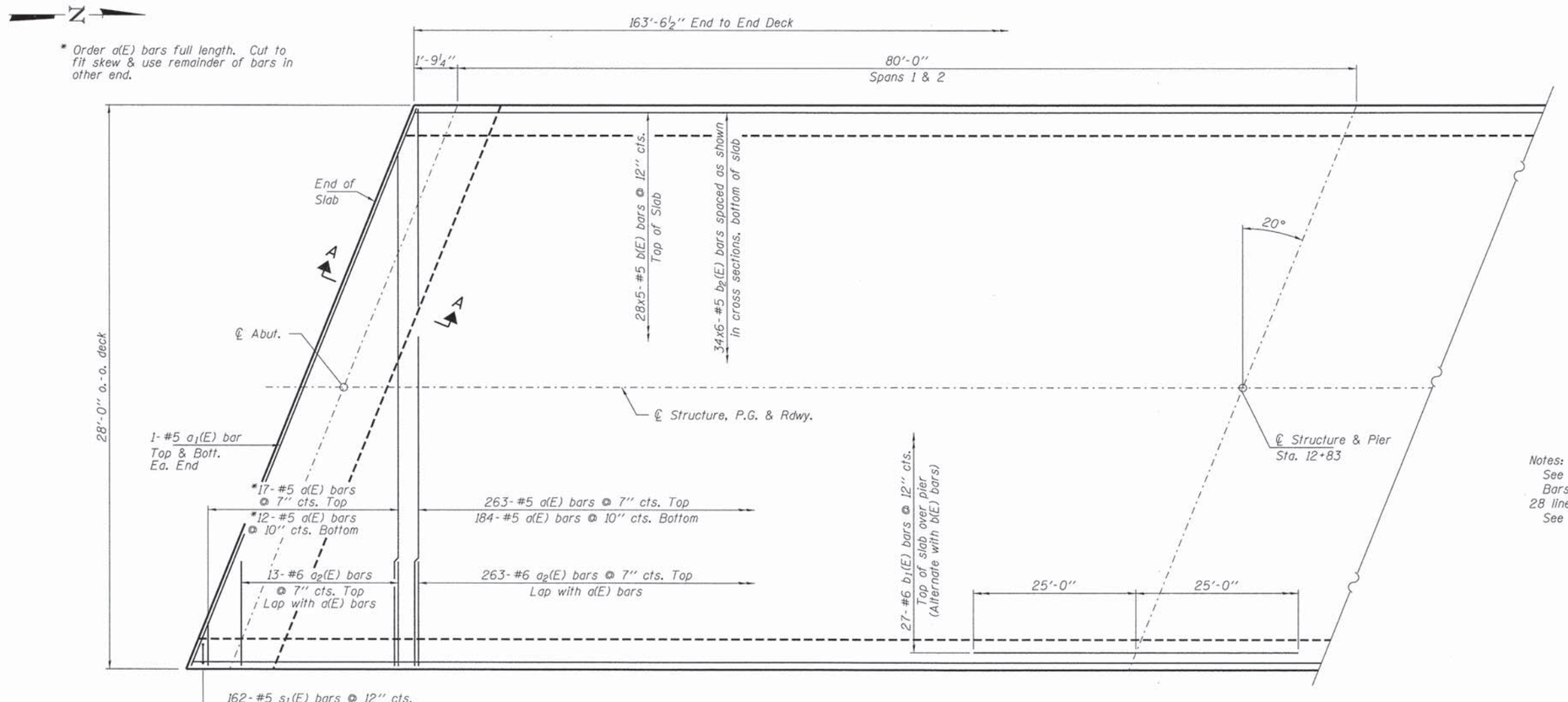
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	12+01.23	0.00	624.10	624.10
℄ Brg. S. Abut.	12+03.00	0.00	624.09	624.09
A	12+13.00	0.00	624.05	624.09
B	12+23.00	0.00	624.01	624.08
C	12+33.00	0.00	623.97	624.06
D	12+43.00	0.00	623.93	624.01
E	12+53.00	0.00	623.89	623.95
F	12+63.00	0.00	623.85	623.89
G	12+73.00	0.00	623.81	623.82
℄ Pier	12+83.00	0.00	623.77	623.77
H	12+93.00	0.00	623.73	623.74
I	13+03.00	0.00	623.69	623.73
J	13+13.00	0.00	623.65	623.71
K	13+23.00	0.00	623.61	623.69
L	13+33.00	0.00	623.57	623.66
M	13+43.00	0.00	623.53	623.60
N	13+53.00	0.00	623.49	623.53
℄ Brg. N. Abut.	13+63.00	0.00	623.45	623.45
Bk. N. Abut.	13+64.77	0.00	623.44	623.44

BEAM 4

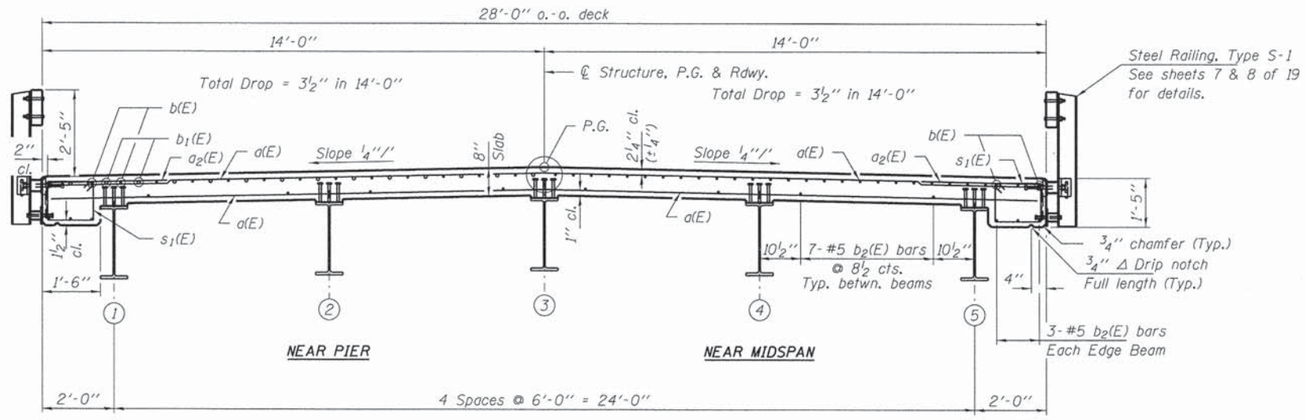
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	11+99.05	6.00	623.98	623.98
℄ Brg. S. Abut.	12+00.82	6.00	623.97	623.97
A	12+10.82	6.00	623.93	623.97
B	12+20.82	6.00	623.89	623.97
C	12+30.82	6.00	623.85	623.94
D	12+40.82	6.00	623.81	623.90
E	12+50.82	6.00	623.77	623.84
F	12+60.82	6.00	623.73	623.77
G	12+70.82	6.00	623.69	623.70
℄ Pier	12+80.82	6.00	623.65	623.65
H	12+90.82	6.00	623.61	623.62
I	13+00.82	6.00	623.57	623.61
J	13+10.82	6.00	623.53	623.60
K	13+20.82	6.00	623.49	623.58
L	13+30.82	6.00	623.45	623.54
M	13+40.82	6.00	623.41	623.49
N	13+50.82	6.00	623.37	623.41
℄ Brg. N. Abut.	13+60.82	6.00	623.33	623.33
Bk. N. Abut.	13+62.59	6.00	623.32	623.32

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	11+96.86	12.00	623.86	623.86
℄ Brg. S. Abut.	11+98.63	12.00	623.86	623.86
A	12+08.63	12.00	623.82	623.86
B	12+18.63	12.00	623.78	623.85
C	12+28.63	12.00	623.74	623.82
D	12+38.63	12.00	623.70	623.78
E	12+48.63	12.00	623.66	623.72
F	12+58.63	12.00	623.62	623.65
G	12+68.63	12.00	623.58	623.59
℄ Pier	12+78.63	12.00	623.54	623.54
H	12+88.63	12.00	623.50	623.51
I	12+98.63	12.00	623.46	623.49
J	13+08.63	12.00	623.42	623.48
K	13+18.63	12.00	623.38	623.46
L	13+28.63	12.00	623.34	623.42
M	13+38.63	12.00	623.30	623.37
N	13+48.63	12.00	623.26	623.30
℄ Brg. N. Abut.	13+58.63	12.00	623.22	623.22
Bk. N. Abut.	13+60.40	12.00	623.21	623.21



PLAN



CROSS SECTION
(Looking North)

Notes:
See sheet 7 of 19 for superstructure details.
Bars indicated thus 28x5-#5 etc. indicates 28 lines of bars with 5 lengths per line.
See sheet 7 of 19 for Section A-A.

SUPERSTRUCTURE BILL OF MATERIAL

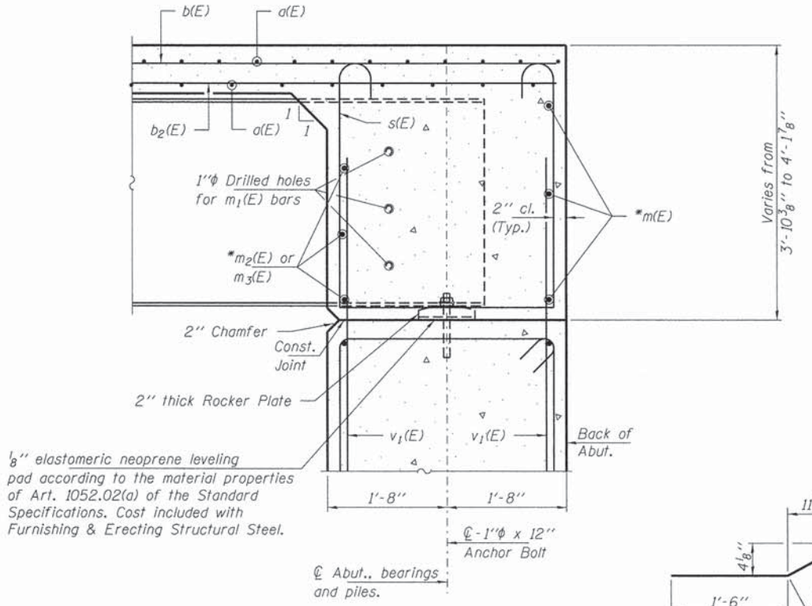
BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	476	#5	27'-8"	
a1(E)	4	#5	29'-5"	
a2(E)	552	#6	4'-8"	
b(E)	140	#5	34'-8"	
b1(E)	27	#6	50'-0"	
b2(E)	204	#5	29'-5"	
m(E)	6	#6	29'-5"	
m1(E)	30	#5	4'-0"	
m2(E)	24	#6	6'-0"	
m3(E)	12	#6	1'-9"	
s(E)	60	#5	11'-1"	
s1(E)	324	#5	5'-5"	
Concrete Superstructure		Cu. Yd.	154.1	
Protective Coat		Sq. Yd.	572	
Reinforcment Bars, Epoxy Coated		Pound	34,240	

Reinforcement bars designated (E) shall be epoxy coated.

MIN. BAR LAP
#5 bars = 2'-7"
#6 bars = 3'-1"

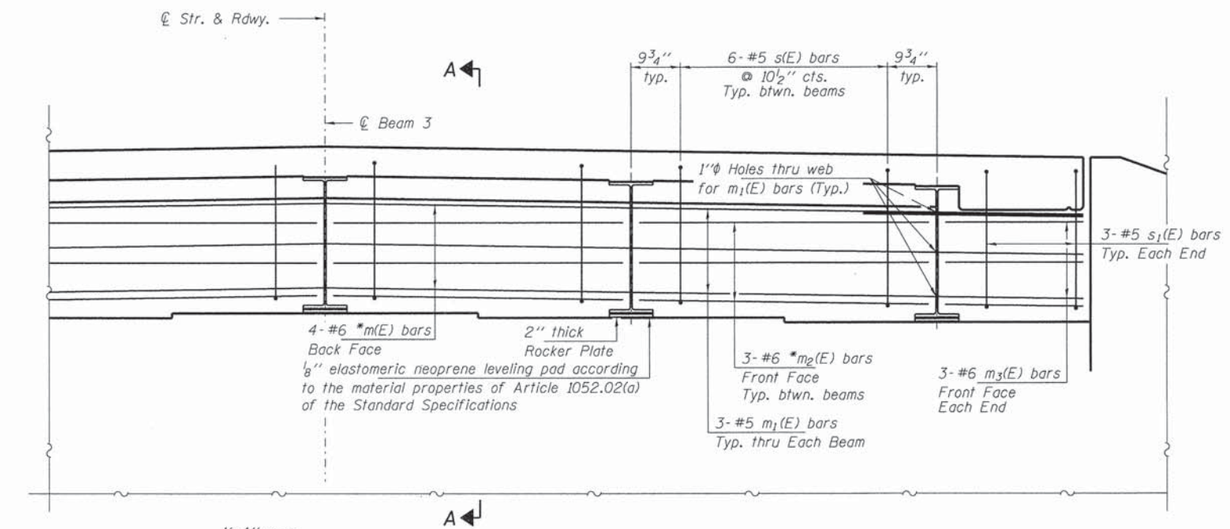
FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	SUPERSTRUCTURE STRUCTURE NO. 023-5331 SHEET NO. 6 OF 19 SHEETS
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000969		CHECKED - S.W.M.	REVISED -		
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	24
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			



SECTION A-A

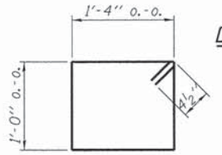
Dimensions at right angles to abutment, except as shown.



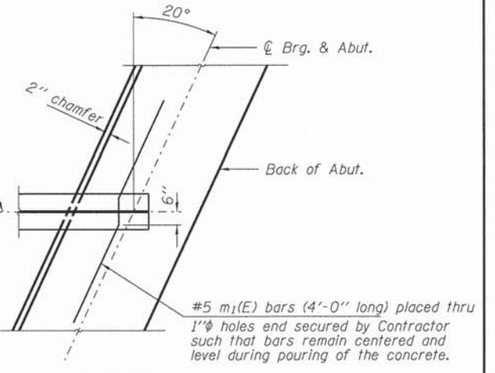
DIAPHRAGM ELEVATION AT ABUTMENT

Dimensions at right angles to beams
(South Abut. shown, North Abut. similar)

BAR m1(E)



BAR s1E)



PLAN

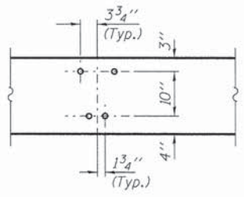
(Showing bottom flange of beam)

Notes:

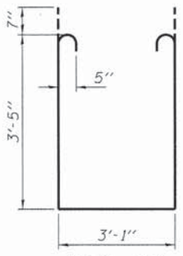
Reinforcement bars in diaphragm are billed with superstructure on sheet 6 of 19.

Concrete in diaphragm is included with Concrete Superstructure on sheet 6 of 19.

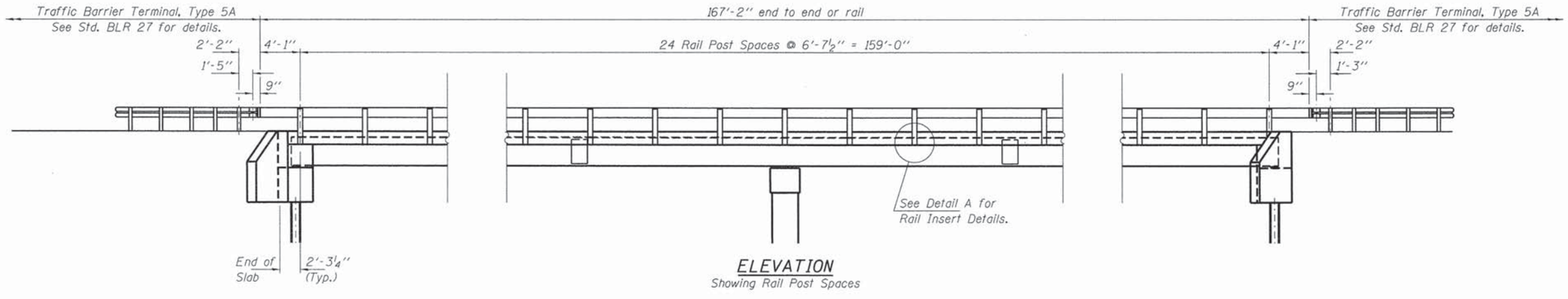
The s(E) and s_1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.



DETAIL A



BAR s(E)

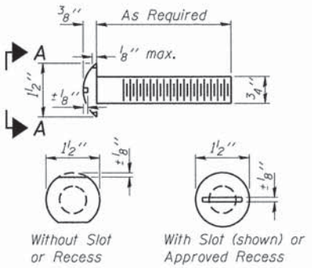


ELEVATION

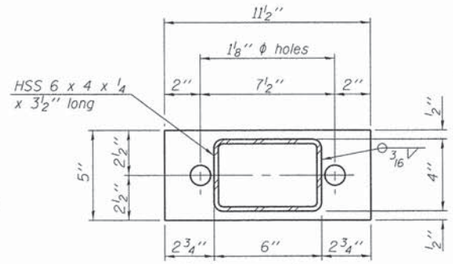
Showing Rail Post Spaces

See sheet 8 of 19 for Railing Details.

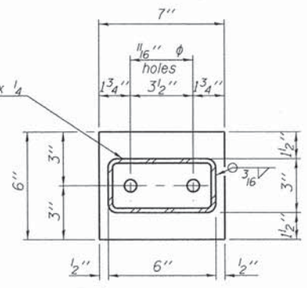
FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	SUPERSTRUCTURE DETAILS STRUCTURE NO. 023-5331	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LB / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -			158	11-14126-00-BR	EDGAR	71	25
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -			SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -		SHEET NO. 7 OF 19 SHEETS	ILLINOIS	FED. AID PROJECT BROS-0045(053)			



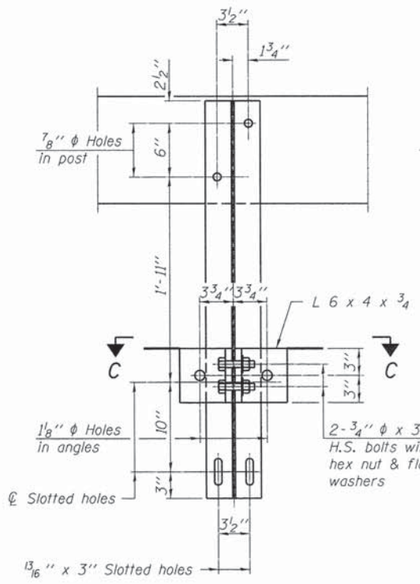
VIEW A-A
ROUND HEAD BOLT



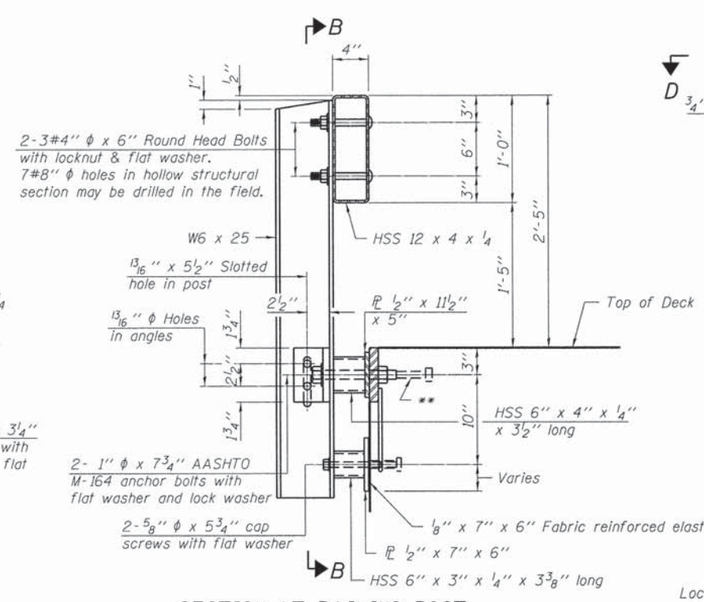
℄ 1/2" x 11 1/2" x 5"



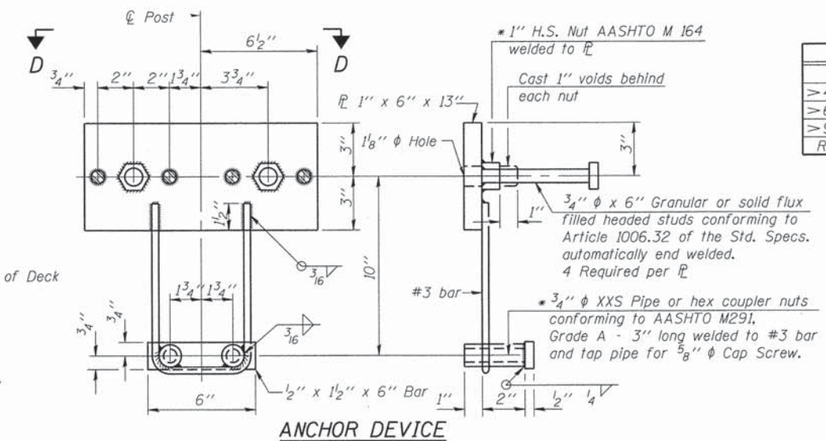
℄ 1/2" x 7" x 6"



SECTION B-B



SECTION AT RAILING POST



ANCHOR DEVICE

* Threaded areas shall be plugged or blocked off during casting of beam.

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"	——

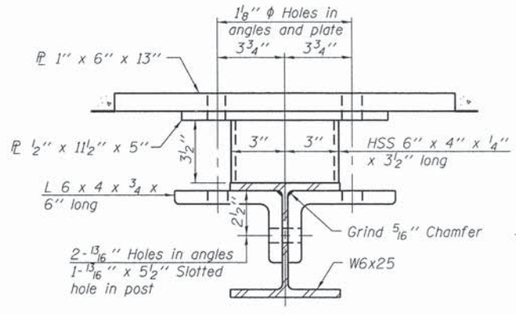
T = Total movement at expansion joint as shown on the design plans.

Notes:

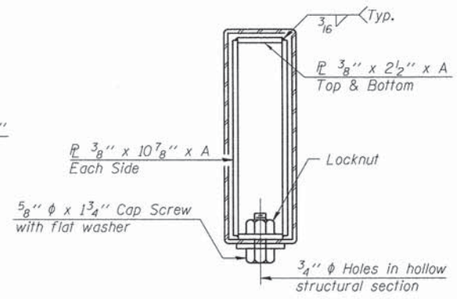
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

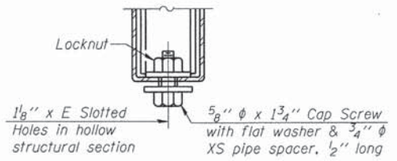
** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.



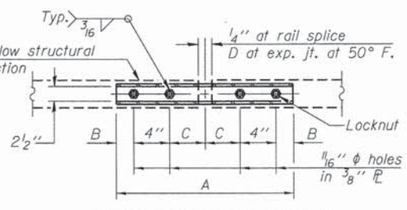
SECTION C-C



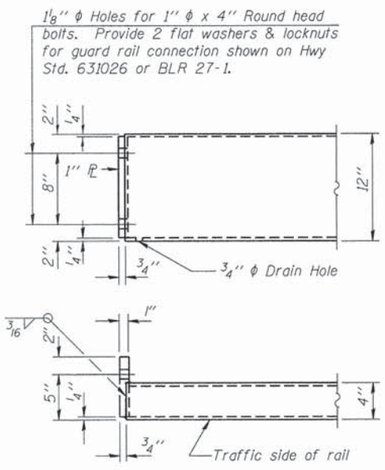
SECTIONS AT RAIL SPLICE



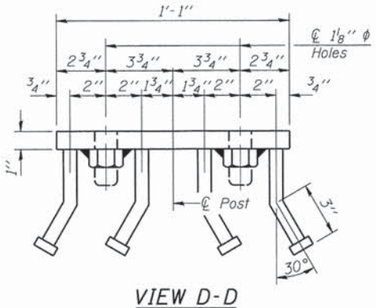
RAIL SPLICE CONNECTION
AT EXPANSION JT.



PLAN-BOTT. SPLICE ℄
TYPICAL



END OF RAIL DETAILS



VIEW D-D

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	334

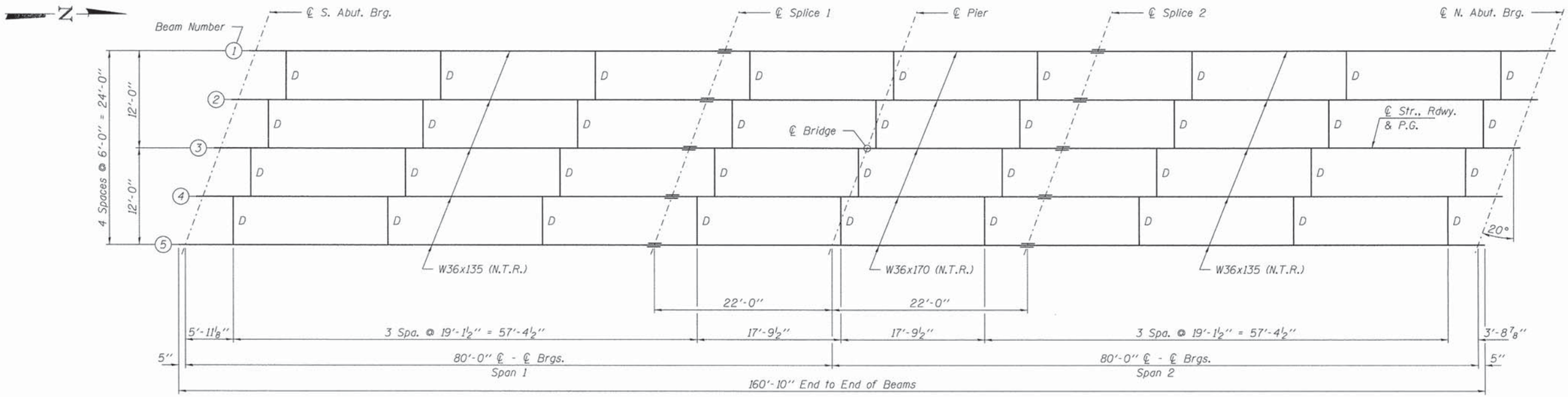
R-23A 1-12-15 (10'-9" Maximum Post Spacing)

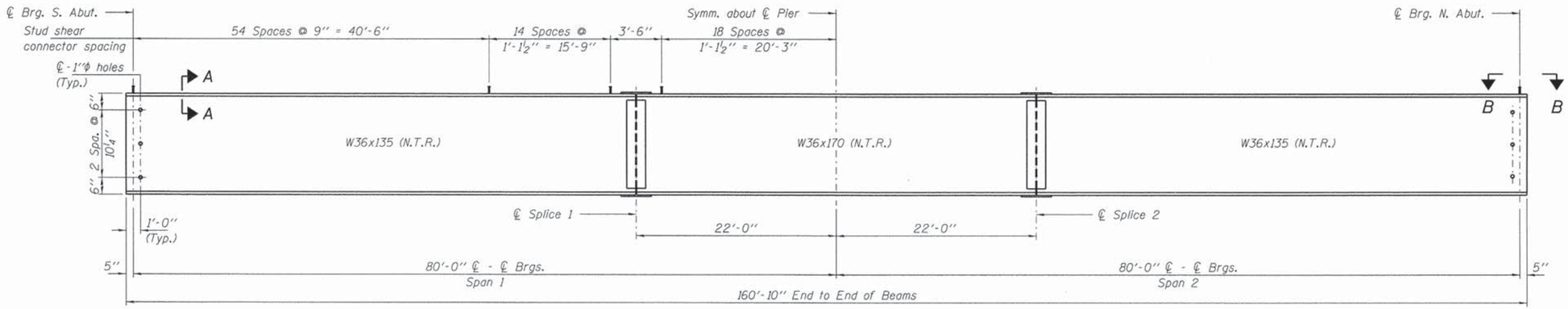
FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

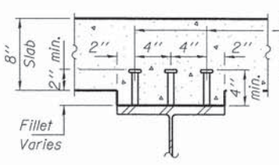
STEEL RAILING, TYPE S-1
STRUCTURE NO. 023-5331
SHEET NO. 8 OF 19 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	26
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS FED. AID PROJECT BROS-0045(053)				





ELEVATION



¾"ϕ Granular or solid flux filled headed studs, automatically end welded to flange. (2.625 Req'd.)

SECTION A-A

Location	℄ Brg. S. Abut.	℄ Splice	℄ Pier	℄ Splice	℄ Brg. N. Abut.
BEAM 1	623.09	622.88	622.79	622.70	622.45
BEAM 2	623.22	623.01	622.93	622.84	622.58
BEAM 3	623.35	623.15	623.06	622.97	622.72
BEAM 4	623.24	623.03	622.94	622.86	622.60
BEAM 5	623.12	622.91	622.83	622.74	622.48

TOP OF BEAM ELEVATIONS
(For fabrication only)
(Does not include Dead Load Deflections)

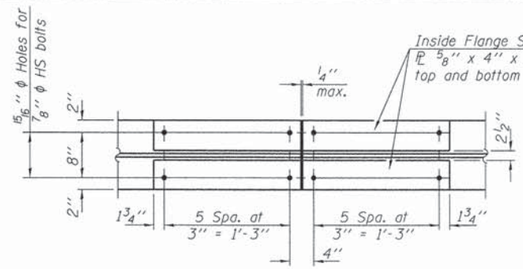
Notes:
Load carrying components designated "NTR" shall conform to the Impact Testing Requirements, Zone 2.
All steel beams and diaphragms shall be M270 Grade 50W.
All cross frames and diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
For Structural Steel details see sheet 10 & 11 of 19.

FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3086 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 - D.A.B.	REVISED -
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

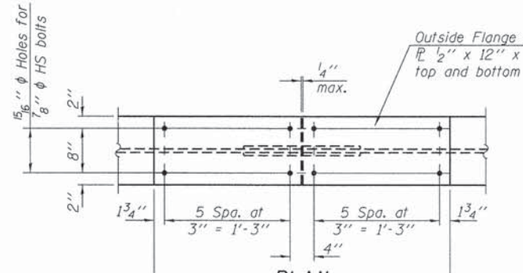
STRUCTURAL STEEL
STRUCTURE NO. 023-5331
SHEET NO. 9 OF 19 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	27
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS FED. AID PROJECT BROS-0045(053)				



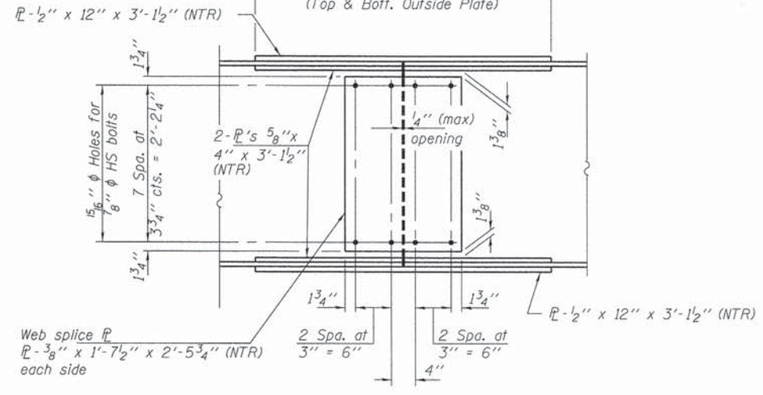
PLAN

(Top & Bott. Inside Plates)



PLAN

(Top & Bott. Outside Plate)



ELEVATION

SPLICE 1 & 2 DETAIL

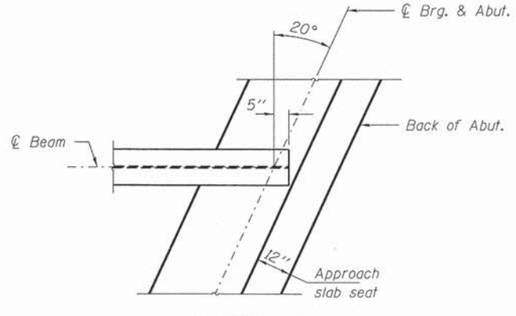
(10 Required)

INTERIOR GIRDER MOMENT TABLE			
		0.4 Sp. 1 or 0.6 Sp. 3	Pier
I_s	(in^4)	7800	10500
$I_c(n)$	(in^4)	20600	25560
$I_c(3n)$	(in^4)	15070	18561
$I_c(cr)$	(in^4)	9295	13273
S_s	(in^3)	438	580
$S_c(n)$	(in^3)	646	822
$S_c(3n)$	(in^3)	582	739
$S_c(cr)$	(in^3)	435	634
DC1	(k/')	0.85	0.89
M_{DC1}	('k)	352	746
DC2	(k/')	0.03	0.03
M_{DC2}	('k)	13	26
DW	(k/')	0.30	0.30
M_{DW}	('k)	128	257
M_{L+IM}	('k)	847	977
M_u (Strength I)	('k)	2131	3060
* $\phi_f M_n$	('k)	3201	-
f_s DC1	(ksi)	9.6	15.4
f_s DC2	(ksi)	0.3	0.5
f_s DW	(ksi)	2.6	4.9
f_s 1.3(LL+IM)	(ksi)	15.7	18.5
f_f (Service II)	(ksi)	33.0	44.8
$0.95R_hF_yf_{s+f}$	(ksi)	47.5	47.5
** f_s (Total)(Strength I)	(ksi)	-	59.6
** $\phi_f F_n$	(ksi)	-	-
V_f	(k)	26.9	26.9

* Compact sections

** Non-compact sections

INTERIOR GIRDER REACTION TABLE			
		Abut.	Pier
R_{DC1}	(k)	24.5	87.5
R_{DC2}	(k)	0.9	3.1
R_{DW}	(k)	8.8	30.5
R_{L+IM}	(k)	74.9	106.7
R_{Total}	(k)	109.1	227.8



SECTION B-B

I_s, S_s: Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads ($in.^4$ and $in.^3$).

$I_c(n)$, $S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to short-term composite live loads ($in.^4$ and $in.^3$).

$I_c(3n)$, $S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads ($in.^4$ and $in.^3$).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M_{L+IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
$1.25\ (M_{DC1} + M_{DC2}) + 1.5\ M_{DW} + 1.75\ M_{L+IM}$

$\phi_f M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 (kip-ft.).

f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
M_{DC1} / S_{nc}

f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
$M_{DC2} / S_c(3n)$ or $M_{DC2} / S_c(cr)$ as applicable.

f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
$M_{DW} / S_c(3n)$ or $M_{DW} / S_c(cr)$ as applicable.

f_s (L+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live plus impact loads as calculated below (ksi).
$M_{L+IM} / S_c(3n)$ or $M_{L+IM} / S_c(cr)$ as applicable.

f_s (Service II): Sum of stresses as computed below (ksi).
$f_sDC1 + f_sDC2 + f_sDW + 1.3f_s(L + IM)$

$0.95R_hF_yf_{s+f}$: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).

f_s (Total)(Strength I): Sum of stresses as computed from the moments below on non-compact section (ksi)
$1.25\ (f_sDC1 + f_sDC2) + 1.5\ f_sDW + 1.75\ f_s(L+IM)$

$\phi_r F_n$: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).

V_f: Maximum factored shear range in composite portion of span computed according to Article 6.10.10.

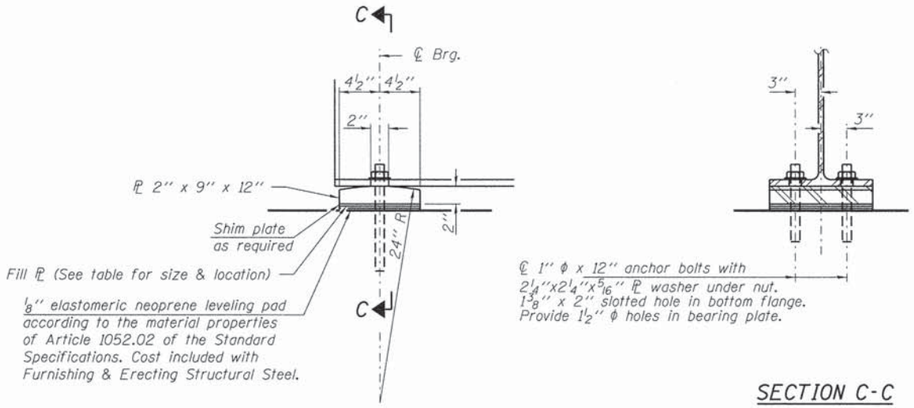
Notes:

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

All beams and splices shall be M270 Grade 50W.

FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	STRUCTURAL STEEL DETAILS STRUCTURE NO. 023-5331
HAMPTON, LENZINI AND RENWICK, INC. 3383 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -		SHEET NO. 10 OF 19 SHEETS
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	28
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS FED. AID PROJECT BR05-0045(053)				

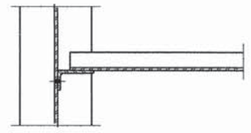


ELEVATION

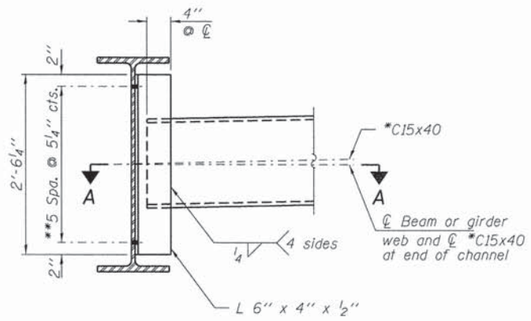
SECTION C-C

FIXED BEARING AT ABUTMENT

(10 required)



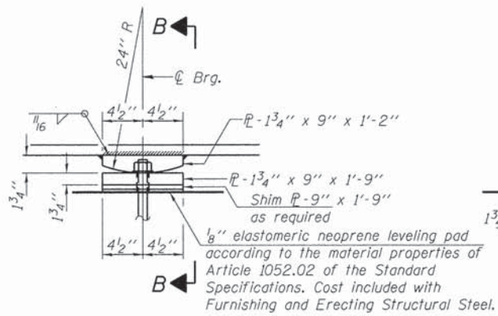
SECTION A-A



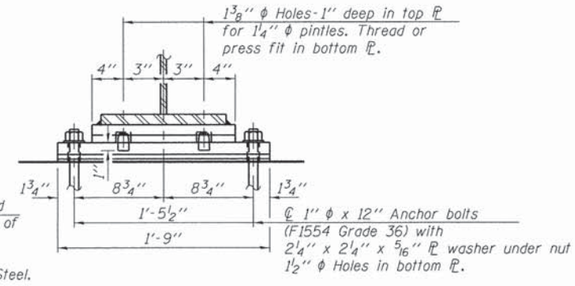
INTERIOR DIAPHRAGM D

(36 Required)

Note:
Two hardened washers required for each set of oversized holes.
*Alternate channels (C15x50) are permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section.
The alternate, if utilized, shall be provided at no additional cost to the Department.
**¾" ϕ HS bolts, ¹⁵⁄₁₆" ϕ holes.



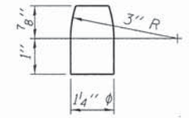
ELEVATION



SECTION B-B

FIXED BEARING AT PIER

(5 required)



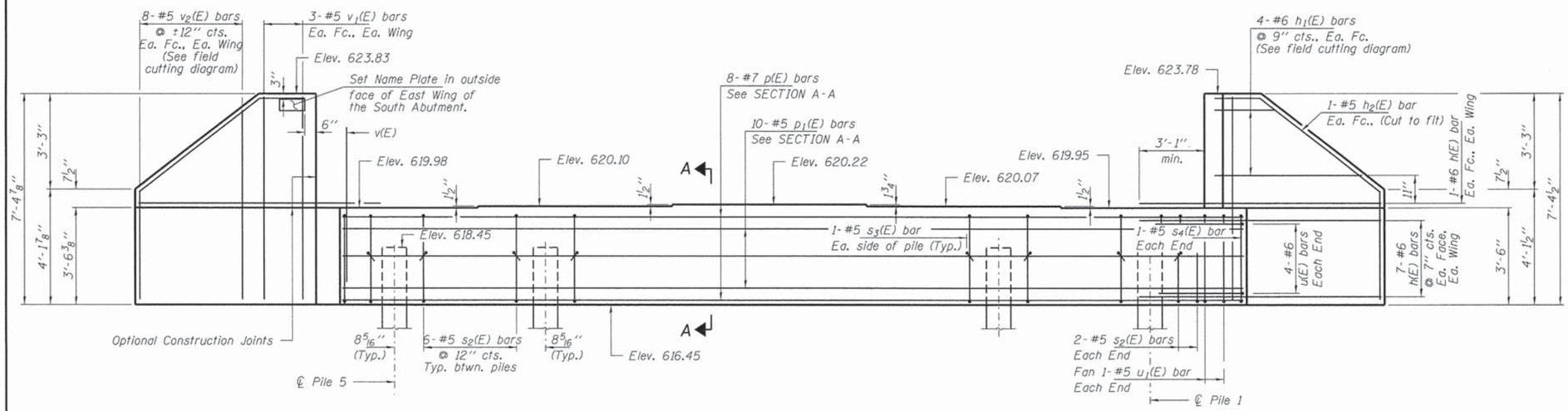
PINTLE

Notes:
Two ⅛" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified.
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.
Drilled and set anchor bolts shall be installed according to Art. 521.06 of the Standard Specifications.
All structural steel of the bearing assembly including plate material and pintles shall be M270 Grade 50W.
The anchor bolts and sizes shown constitute a calculated seismic structural fuse. Substitution of higher diameter and/or grade bolts will not be allowed.
All diaphragms and connecting plates or angles shall be ASSHTO M270, Gr. 50W.

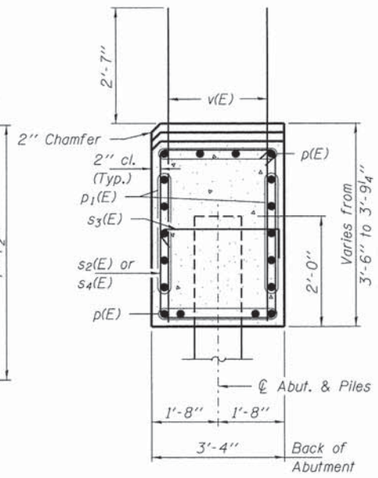
BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 1"	Each	30

FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	STRUCTURAL STEEL DETAILS STRUCTURE NO. 023-5331	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.005959		CHECKED - S.W.M.	REVISED -			158	11-14126-00-BR	EDGAR	71	29
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -			SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -		SHEET NO. 11 OF 19 SHEETS	ILLINOIS FED. AID PROJECT BROS-0045(053)				

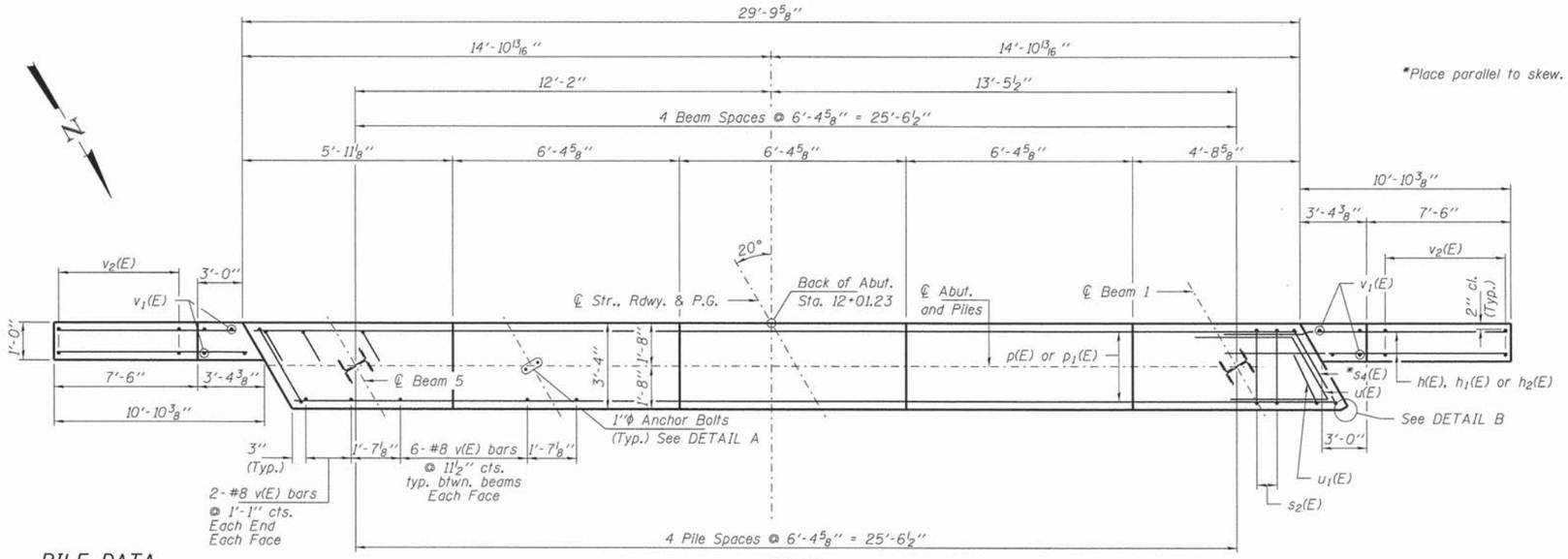


ELEVATION
(Looking South)



SECTION A-A
Dimensions at right angles to abutment.

Notes:
Pour steps monolithically with cap.
Space reinforcement in cap to miss anchor bolts.
See sheet 14 of 19 for DETAIL A and DETAIL B.
See sheet 14 of 19 for bar details.
For details of piles, see sheet 16 of 19.



PLAN

PILE DATA
Type: Steel HP12x53
Nominal Required Bearing: 275 Kips/pile
Factored Resistance Available: 151 Kips/pile
Est. Length: 50'
No. Production Piles: 4
No. Test Piles: 1

BILL OF MATERIAL - S. ABUT.

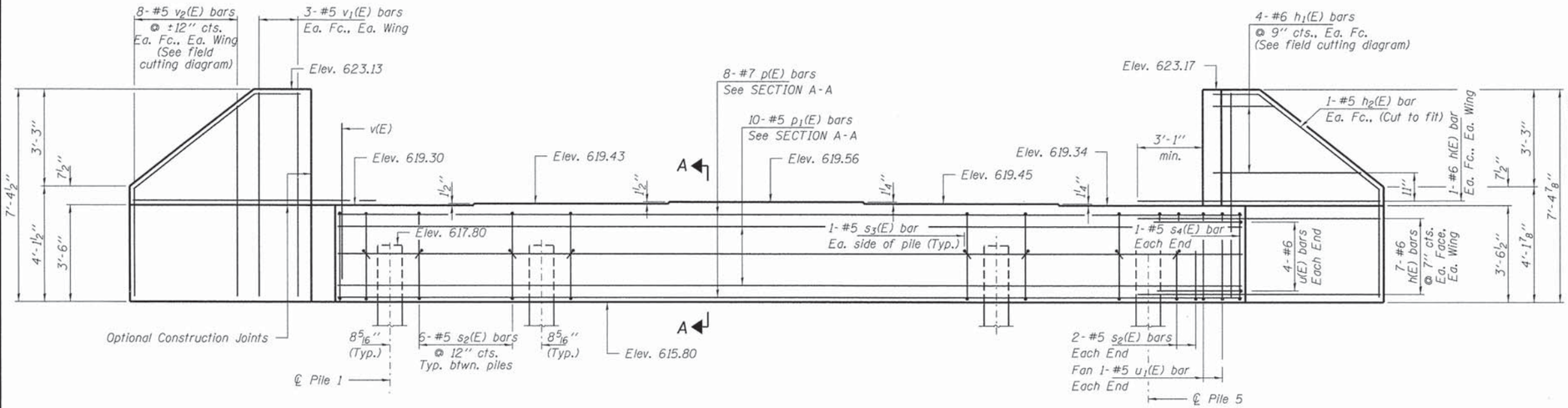
Bar	No.	Size	Length	Shape
h(E)	32	#6	13'-9"	
h1(E)	8	#6	11'-11"	
h2(E)	4	#5	9'-1"	
p(E)	8	#7	29'-5"	
p1(E)	10	#5	29'-5"	
s2(E)	28	#5	13'-3"	
s3(E)	10	#5	4'-0"	
s4(E)	2	#5	13'-7"	
u(E)	8	#6	10'-9"	
u1(E)	2	#5	7'-8"	
v(E)	56	#8	5'-11"	
v1(E)	12	#5	6'-8"	
v2(E)	16	#5	10'-3"	
Concrete Structures		Cu. Yd.	18.3	
Protective Coat		Sq. Yd.	11	
Reinforcement Bars, Epoxy Coated		Pound	3,380	
Furnishing Steel Piles, HP12x53		Foot	200	
Driving Piles		Foot	200	
Test Pile HP12x53		Each	1	

FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3083 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 - D.A.B.	REVISED -	
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -	

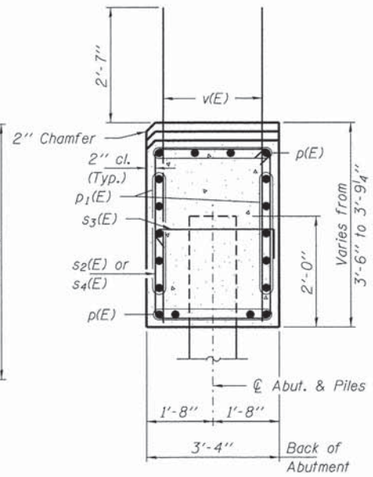
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

SOUTH ABUTMENT
STRUCTURE NO. 023-5331
SHEET NO. 12 OF 19 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	30
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

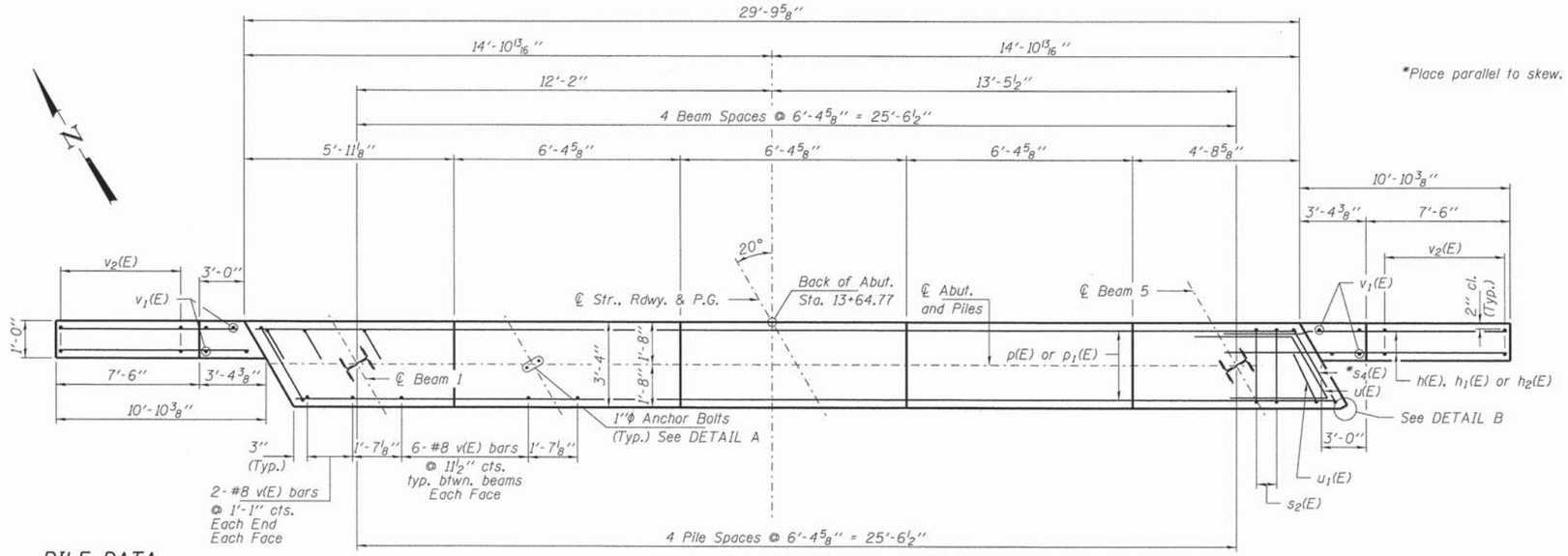


ELEVATION
(Looking North)



SECTION A-A
Dimensions at right angles to abutment.

Notes:
Pour steps monolithically with cap. Space reinforcement in cap to miss anchor bolts.
See sheet 14 of 19 for DETAIL A and DETAIL B.
See sheet 14 of 19 for bar details.
For details of piles, see sheet 16 of 19.



PLAN

PILE DATA
Type: Steel HP12x53
Nominal Required Bearing: 275 Kips/pile
Factored Resistance Available: 151 Kips/pile
Est. Length: 85'
No. Production Piles: 4
No. Test Piles: 1

BILL OF MATERIAL - N. ABUT.

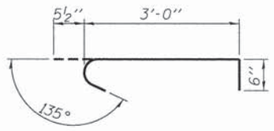
Bar	No.	Size	Length	Shape
h(E)	32	#6	13'-9"	
h_1(E)	8	#6	11'-11"	
h_2(E)	4	#5	9'-1"	
p(E)	8	#7	29'-5"	
p_1(E)	10	#5	29'-5"	
s_2(E)	28	#5	13'-3"	
s_3(E)	10	#5	4'-0"	
s_4(E)	2	#5	13'-7"	
u(E)	8	#6	10'-9"	
u_1(E)	2	#5	7'-8"	
v(E)	56	#8	5'-11"	
v_1(E)	12	#5	6'-8"	
v_2(E)	16	#5	10'-3"	
Concrete Structures		Cu. Yd.	18.3	
Protective Coat		Sq. Yd.	11	
Reinforcement Bars, Epoxy Coated		Pound	3,380	
Furnishing Steel Piles, HP12x53		Foot	340	
Driving Piles		Foot	340	
Test Pile Steel HP12x53		Each	1	

FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.002959		CHECKED - S.W.M.	REVISED -
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -

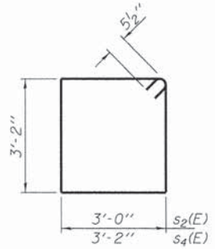
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

NORTH ABUTMENT
STRUCTURE NO. 023-5331
SHEET NO. 13 OF 19 SHEETS

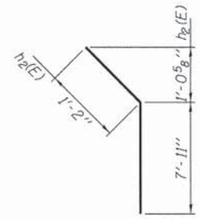
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	31
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			



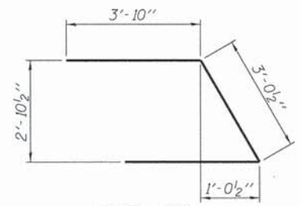
BAR $s_3(E)$



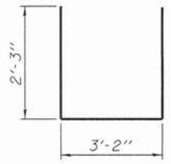
BARS $s_2(E)$ & $s_4(E)$



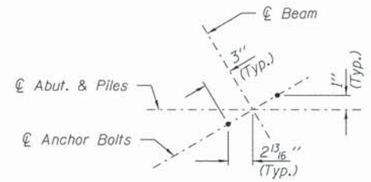
BARS $h_2(E)$



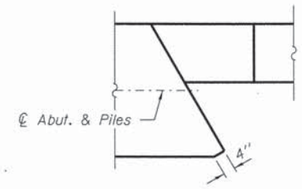
BAR $u(E)$



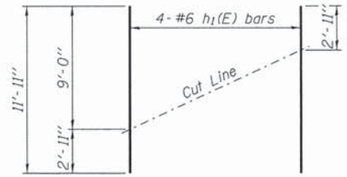
BAR $u_2(E)$



DETAIL A

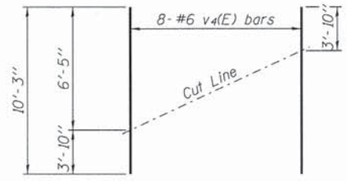


DETAIL B



FIELD CUTTING DIAGRAM

Order $h_1(E)$ full length. Cut as shown and use remainder of bars in opposite face.

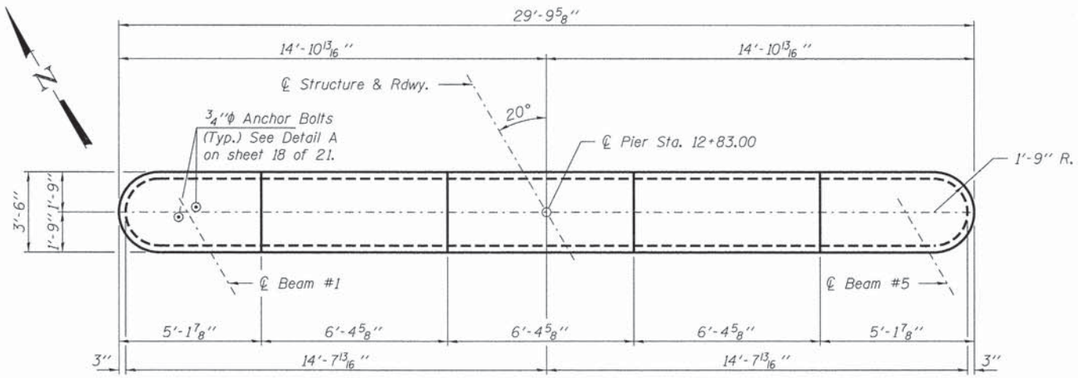


FIELD CUTTING DIAGRAM

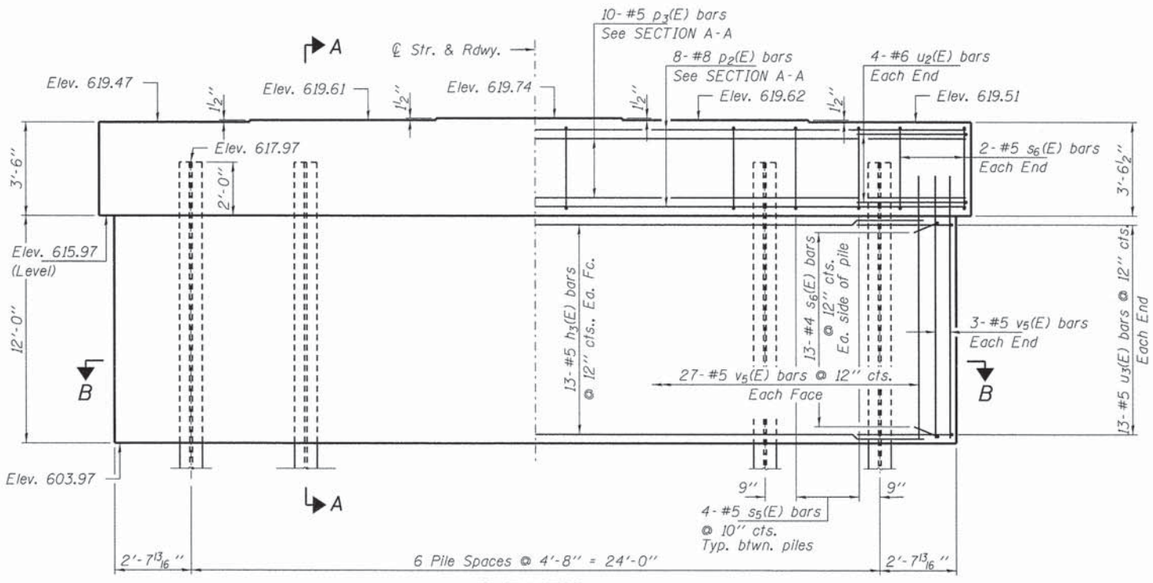
Order $v_4(E)$ full length. Cut as shown and use remainder of bars in opposite face.

FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	ABUTMENT DETAILS STRUCTURE NO. 023-5331
HAMPTON, LENZINI AND RENWICK, INC. 3080 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.002959		CHECKED - S.W.M.	REVISED -		SHEET NO. 14 OF 19 SHEETS
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -		

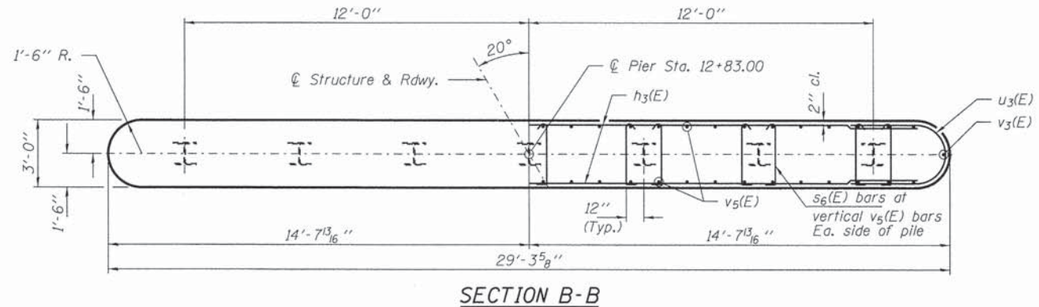
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	32
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			



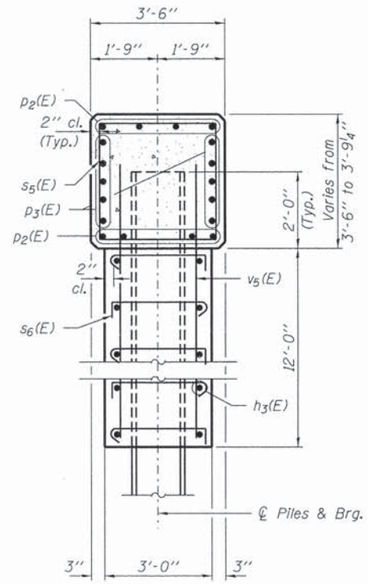
PLAN



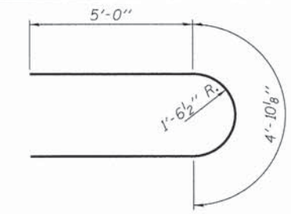
ELEVATION
(Looking North)



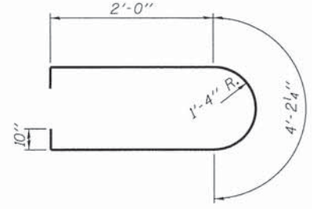
SECTION B-B



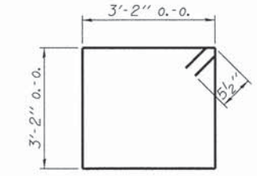
SECTION A-A



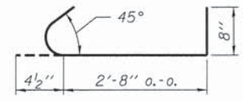
BAR $u_2(E)$



BAR $u_3(E)$



BAR $s_5(E)$



BAR $s_6(E)$

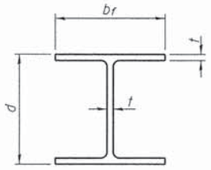
Notes:
Pour steps monolithically with cap.
The $s_6(E)$ bars shall enclose both the vertical and horizontal reinforcing bars. The position of the 90 and 135 degree hooked ends shall be alternated between adjacent bars as shown, both vertically and horizontally.
Space reinforcement in the cap to miss anchor bolts.
For details of piles, see sheet 16 of 19.
For Cofferdam detail, see sheet 2 of 19.

PILE DATA

Type: Steel HP14x89
Nominal Required Bearing: 413 Kips/pile
Factored Resistance Available: 227 Kips/pile
Est. Length: 100'
No. Production Piles: 6
No. Test Piles: 1

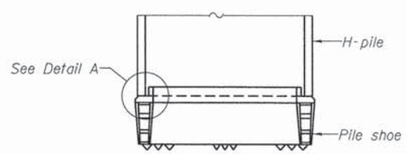
BILL OF MATERIAL - PIER

BAR	NO.	SIZE	LENGTH	SHAPE
$h_3(E)$	26	#5	26'-3"	
$p_2(E)$	8	#8	26'-3"	
$p_3(E)$	10	#5	26'-3"	
$s_5(E)$	28	#5	13'-7"	
$s_6(E)$	182	#4	3'-9"	
$u_2(E)$	8	#6	14'-11"	
$u_3(E)$	26	#5	9'-11"	
$v_5(E)$	60	#5	13'-4"	
Cofferdam Excavation			Cu. Yd.	138
Concrete Structures			Cu. Yd.	51.8
Seal Coal Concrete			Cu. Yd.	46.4
Reinforcement Bars, Epoxy Coated			Pound	3,680
Furnishing Steel Piles HP14x89			Foot	600
Driving Piles			Foot	600
Test Pile HP14x89			Each	1
Cofferdam, Type 2, Loc. 1			Each	1

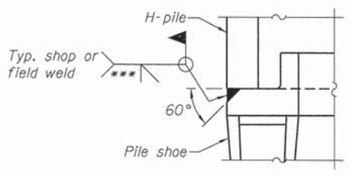


STEEL PILE TABLE

Designation	Depth d	Flange width b_f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	11/16"	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"	11/16"	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"

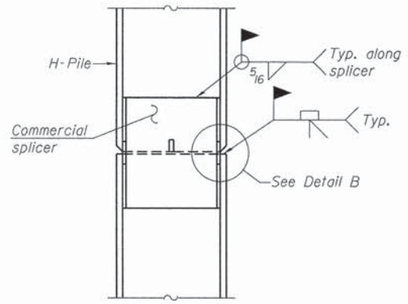


ELEVATION

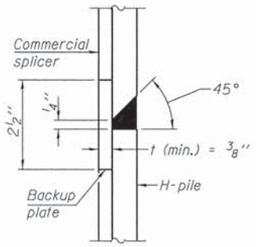


DETAIL A

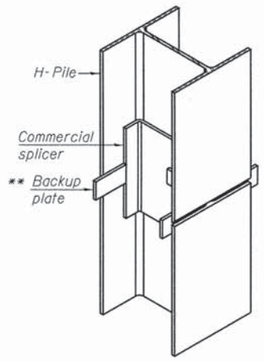
H-PILE SHOE ATTACHMENT



ELEVATION

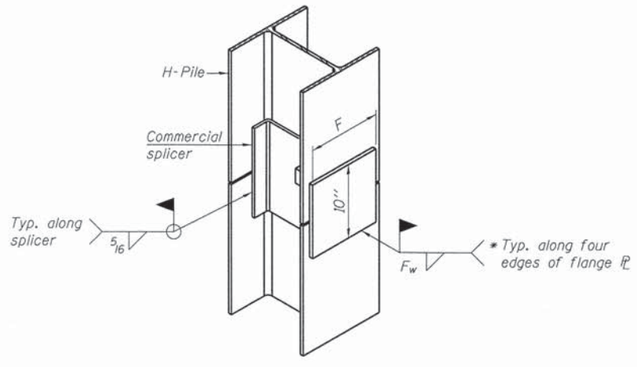


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



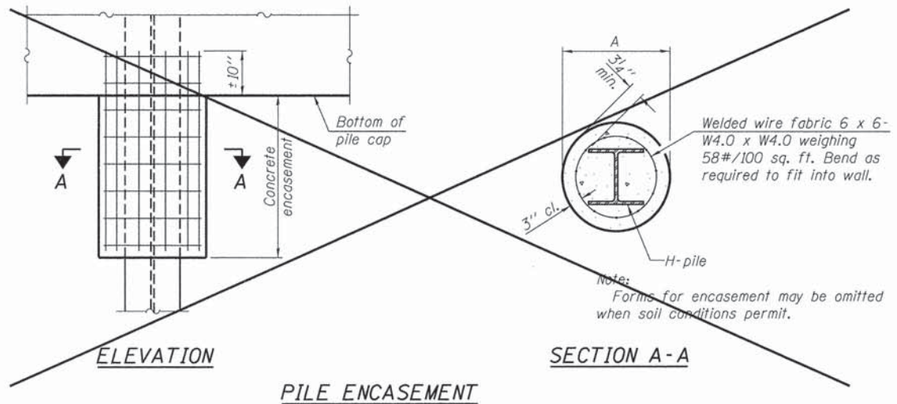
ISOMETRIC VIEW

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.).

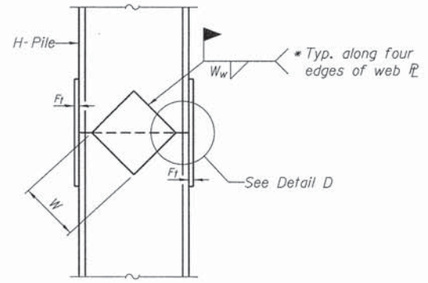


ELEVATION

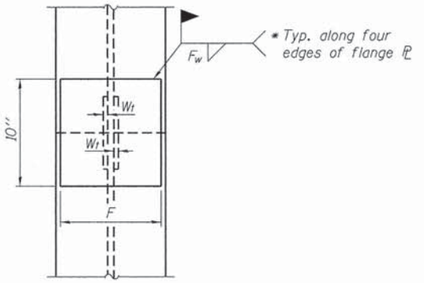
SECTION A-A

PILE ENCASEMENT

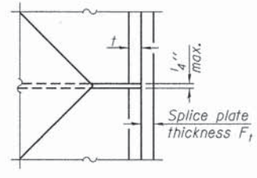
Not Required at Abut./Piers



ELEVATION



END VIEW



DETAIL D

Designation	F	F_t	F_w	W	W_f	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"	11/16"	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"	11/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	11/16"	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"

WELDED PLATE FIELD SPLICE

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

F-HP 1-27-12

FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	HP PILE DETAILS STRUCTURE NO. 023-5331	T.R. 158	SECTION 11-14126-00-BR	COUNTY EDGAR	TOTAL SHEETS 71	SHEET NO. 34
HAMPTON, LENZINI AND RENWICK, INC. 3080 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000550		CHECKED - S.W.M.	REVISED -		SHEET NO. 16 OF 19 SHEETS	SYMMES ROAD DISTRICT	CONTRACT NO. 91508
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -			ILLINOIS FED. AID PROJECT BROS-0045(053)
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -			

GEOCON PROFESSIONAL SERVICES

BORING NO. B-1
PAGE 1 OF 2

CLIENT Hampton, Lenzini & Renwick **PROJECT NAME** Bridge Structure Borings Edgar County, Illinois
PROJECT NUMBER 11-G616 **PROJECT LOCATION** 1200th St and E 300th Rd
DATE COMPLETED 03/09/12 **LOGGED BY** JL/BR **DRILLING METHOD** 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft.)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
0			Brown fine sand, very loose, moist to wet	SS 1	44	1-1-1 (2)		2.2	8.1					
				SS 2	78	2-1-2 (3)		2.1	22.8					
			Brown fine to course sand, trace gravel, medium dense, wet	SS 3	33	3-5-7 (12)		1.8	5.9					
10			Gray silty clay, trace sand and gravel, stiff to very stiff, moist	SS 4	89	2-4-5 (9)	2.5	2.4	13.8					
				SS 5	89	2-3-3 (6)	0.5	1.9	13.0					
				SS 6	78	4-10-11 (21)	1.5	1.2	12.7					
			Brown fine to course sand, trace gravel, medium dense, wet	SS 7	44	3-4-5 (9)			14.7					
			Gray fine to medium sand, trace gravel, medium dense to dense, wet	SS 8	11	5-7-8 (15)			15.4					
20				SS 9	11	10-3-3 (6)			9.2					
				SS 10	44	3-5-8 (13)			12.8					
				SS 11	100	15-8-7 (16)			14.1					
30				SS 12	67	8-10-12 (22)			11.2					
				SS 13	33	9-11-14 (25)			13.5					
			Gray fine to course sand, trace gravel, dense,wet	SS 14	11	8-10-14 (24)			10.2					
				SS 15	11	5-8-10 (18)	4.5	4.8	9.9					

COMPLETION DEPTH 70 ft **GROUND ELEVATION** _____
CAVE DEPTH 5 ft **BACKFILL** Soil Cuttings
GROUND WATER LEVELS:
▽ **AT TIME OF DRILLING** 5.00 ft
▼ **AT END OF DRILLING** 8.00 ft
AFTER DRILLING —

NOTES
Heaving sand encountered below 15 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.

3000 Research Road, Suite 1 Champaign, IL 61822 Phone 217-403-9990 Fax 217-403-1559

GEOCON PROFESSIONAL SERVICES

BORING NO. B-1
PAGE 2 OF 2

CLIENT Hampton, Lenzini & Renwick **PROJECT NAME** Bridge Structure Borings Edgar County, Illinois
PROJECT NUMBER 11-G616 **PROJECT LOCATION** 1200th St and E 300th Rd
DATE COMPLETED 03/09/12 **LOGGED BY** JL/BR **DRILLING METHOD** 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft.)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
40			Gray silty clay, trace sand and gravel, very stiff to hard, moist *(continued)*	SS 16	106	8-16-50/5"	4.5	7.0	11.7					
				SS 17	156	24-50/3"	4.5		9.2					
50			Gray fine to course sand, trace to little gravel, very dense, wet	SS 18	109	35-50/5"			12.2					
			Gray fine silty sand, very dense, wet	SS 19	89	10-21-28 (49)			20.3					
60			Gray silt, very dense, wet	SS 20	78	10-12-21 (33)			20.1					
			Gray fine to medium sand, trace gravel, very dense, wet	SS 21	89	10-28-30 (58)			20.7					
70				SS 22	72	11-16-25 (41)			12.1					

Bottom of borehole at 70.0 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.

3000 Research Road, Suite 1 Champaign, IL 61822 Phone 217-403-9990 Fax 217-403-1559

BORING B-1
Sta. 12+94, 9' Lt.

FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	**STATE OF ILLINOIS**	**BORINGS**
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -	**EDGAR COUNTY HIGHWAY DEPARTMENT**	**STRUCTURE NO. 023-5331**
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		SHEET NO. 17 OF 19 SHEETS
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	35
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

GEOCON PROFESSIONAL SERVICES

BORING NO. B-2
PAGE 1 OF 2

CLIENT Hampton, Lenzini & Renwick **PROJECT NAME** Bridge Structure Borings Edgar County, Illinois
PROJECT NUMBER 11-G616 **PROJECT LOCATION** 1200th St and E 300th Rd
DATE COMPLETED 03/09/12 **LOGGED BY** JL/BR **DRILLING METHOD** 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft.)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
0			Brown sandy clay, soft to medium stiff, moist	SS 1	89	1-1-2 (3)	0.25	0.8	18.3					
			Brown sandy silt, trace clay, loose, very moist	SS 2	100	1-2-2 (4)			17.6					
10			Brown-gray silty clay, trace sand, very stiff, moist	SS 3	89	4-5-8 (13)	4.5	2.7	11.0					
				SS 4	0	6-8-7 (15)								
			Gray silty clay, trace sand, stiff, moist	SS 5	100	2-3-4 (7)	1.5	1.6	14.0					
				SS 6	89	5-11-12 (23)			13.4					
			Brown fine to course sand, trace gravel, dense, wet	SS 7	100	6-7-11 (18)			16.1					
20			Gray silty clay, trace sand and gravel, hard, moist	SS 8	56	4-5-8 (13)	4.0		13.7					
				SS 9	100	4-8-12 (20)	4.5		11.7					
				SS 10	100	7-11-14 (25)	4.5	6.4	11.0					
				SS 11	100	7-10-13 (23)	4.5	5.0	12.6					
30				SS 12	100	5-10-14 (24)	4.5	6.2	11.7					
				SS 13	100	5-9-14 (23)	4.5	3.3	11.4					
				SS 14	100	5-11-16 (27)	4.5	6.2	10.8					
				SS 15	100	7-10-17 (27)	4.5	7.0	10.9					

COMPLETION DEPTH 70 ft **GROUND ELEVATION** _____
CAVE DEPTH 43 ft **BACKFILL** Soil Cuttings
GROUND WATER LEVELS:
▽ **AT TIME OF DRILLING** 16.00 ft
AT END OF DRILLING --- none above cave depth
AFTER DRILLING ---

NOTES
No sample recory at 10 feet. Heaving sand encountered below 15 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.

3000 Research Road, Suite 1 Champaign, IL 61822 Phone 217-403-9990 Fax 217-403-1559

GPS STANDARD GEOTECH LOG - GPS STD DATA TEMPLATE.GDT - 03/15/12 16:34 - L:\GINT\PROJECTS\11-G616 BRIDGE STRUCTURE BORINGS - EDGAR COUNTY.GPJ

GEOCON PROFESSIONAL SERVICES

BORING NO. B-2
PAGE 2 OF 2

CLIENT Hampton, Lenzini & Renwick **PROJECT NAME** Bridge Structure Borings Edgar County, Illinois
PROJECT NUMBER 11-G616 **PROJECT LOCATION** 1200th St and E 300th Rd
DATE COMPLETED 03/09/12 **LOGGED BY** JL/BR **DRILLING METHOD** 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft.)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
40			Gray silty clay, trace sand and gravel, hard, moist *(continued)*	SS 16	100	7-10-16 (26)	4.5	7.4	10.6					
				SS 17	100	6-11-15 (26)	4.5	6.6	10.6					
50			Gray sandy silt, very dense, wet	SS 18	145	28-50/5"	4.5		8.2					
				SS 19	100	15-22-17 (39)			20.3					
60				SS 20	100	8-12-14 (26)			24.7					
			Gray fine to course sand, trace gravel, very dense, wet	SS 21	100	12-20-27 (47)			9.5					
70				SS 22	100	16-22-28 (50)			8.2					

Bottom of borehole at 70.0 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.

3000 Research Road, Suite 1 Champaign, IL 61822 Phone 217-403-9990 Fax 217-403-1559

GPS STANDARD GEOTECH LOG - GPS STD DATA TEMPLATE.GDT - 03/15/12 16:35 - L:\GINT\PROJECTS\11-G616 BRIDGE STRUCTURE BORINGS - EDGAR COUNTY.GPJ

BORING B-2
Sta. 11+26, 1' Lt.

FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	**STATE OF ILLINOIS**
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -	**EDGAR COUNTY HIGHWAY DEPARTMENT**
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - D.A.B.	REVISED -	**BORINGS**
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP 184.002959	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -	**STRUCTURE NO. 023-5331**
				SHEET NO. 18 OF 19 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	36
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

GEOCON PROFESSIONAL SERVICES

BORING NO. B-3

PAGE 1 OF 1

CLIENT Hampton, Lenzini & Renwick **PROJECT NAME** Bridge Structure Borings Edgar County, Illinois

PROJECT NUMBER 11-G616 **PROJECT LOCATION** 1200th St and E 300th Rd

DATE COMPLETED 03/09/12 **LOGGED BY** JL/BR **DRILLING METHOD** 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft.)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
0			Topsoil (0-6")											
			Brown mottled silty clay, medium stiff to stiff, moist	SS 1	78	2-2-3 (5)	2.0	1.7	27.0					
				SS 2	89	2-3-2 (5)	2.0		22.4					
			Brown silty clay, trace to little sand, trace gravel, very stiff to hard, moist	SS 3	89	4-9-10 (19)	4.0	3.8	10.2					
10				SS 4	100	8-14-16 (30)	4.5	6.3	8.1					
			Gray silty clay, trace sand and gravel, hard, moist	SS 5	100	8-9-10 (19)	4.5	4.1	12.0					
20				SS 6	100	7-8-11 (19)	4.5	10.6	13.1					

Bottom of borehole at 20.0 feet.

COMPLETION DEPTH 20 ft **GROUND ELEVATION** _____

CAVE DEPTH 21 ft **BACKFILL** Soil Cuttings

GROUND WATER LEVELS:

AT TIME OF DRILLING --- none

AT END OF DRILLING --- none above cave depth

AFTER DRILLING ---

NOTES

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.

3000 Research Road, Suite 1 Champaign, IL 61822 Phone 217-403-9990 Fax 217-403-1559

BORING B-3
Sta. 9+19, 20' Lt.

GEOCON PROFESSIONAL SERVICES

BORING NO. B-4

PAGE 1 OF 1

CLIENT Hampton, Lenzini & Renwick **PROJECT NAME** Bridge Structure Borings Edgar County, Illinois

PROJECT NUMBER 11-G616 **PROJECT LOCATION** 1200th St and E 300th Rd

DATE COMPLETED 03/09/12 **LOGGED BY** JL/BR **DRILLING METHOD** 3.25 in. I.D. HSA

DEPTH (ft)	ELEVATION (ft.)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (Qp) (tsf)	UNC. STRENGTH (Qu) (tsf)	MOISTURE CONTENT (%)	DRY UNIT WT. (pcf)	ORGANIC CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX
0			Topsoil (0-8")											
			Brown clayey silt, very stiff, moist	SS 1	78	4-7-7 (14)	3.5	1.8	11.0					
			Brown-gray clay, trace sand and gravel, very stiff to hard, moist	SS 2	89	10-20-22 (42)	4.5	3.2	7.9					
			Gray silty clay, with sand and gravel, hard, moist	SS 3	100	8-17-16 (33)	4.5	6.2	7.9					
10			Gray fine to course sand, trace gravel, very dense, wet	SS 4	100	11-24-27 (51)			8.9					
			Gray silty clay, trace to little sand and gravel, very stiff to hard, moist	SS 5	100	8-17-24 (41)	4.5	3.6	9.4					
			Brown-gray silty clay, trace to little sand and gravel, hard, moist											
20				SS 6	100	8-14-19 (33)	4.5	7.0	11.9					

Bottom of borehole at 20.0 feet.

COMPLETION DEPTH 20 ft **GROUND ELEVATION** _____

CAVE DEPTH 8 ft **BACKFILL** Soil Cuttings

GROUND WATER LEVELS:

AT TIME OF DRILLING 9.00 ft

AT END OF DRILLING --- none above cave depth

AFTER DRILLING ---

NOTES

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.

3000 Research Road, Suite 1 Champaign, IL 61822 Phone 217-403-9990 Fax 217-403-1559

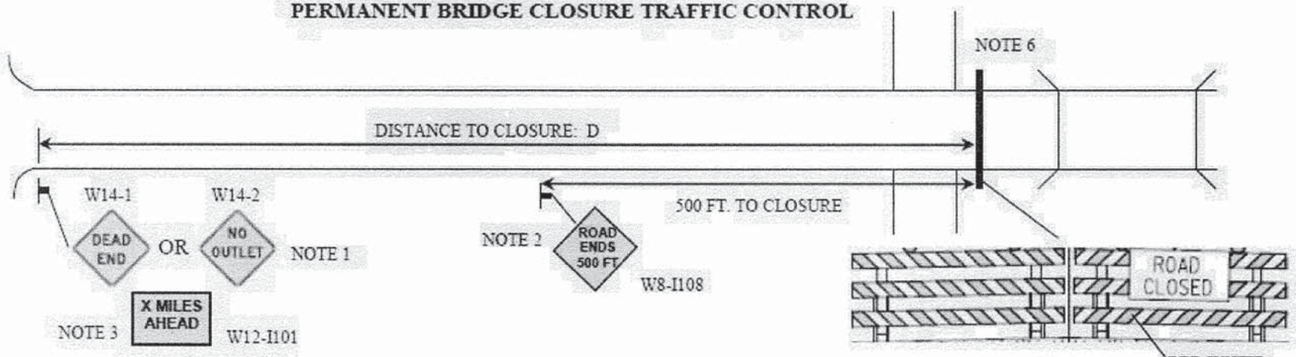
BORING B-4
Sta. 5+89, 14' Lt.

FILE NAME = 110346-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	**STATE OF ILLINOIS**
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -	**EDGAR COUNTY HIGHWAY DEPARTMENT**
3096 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - D.A.B.	REVISED -	
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.002959	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -	

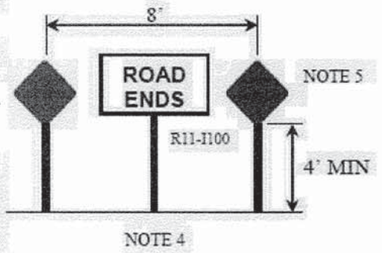
BORINGS
STRUCTURE NO. 023-5331
SHEET NO. 19 OF 19 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	37
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

PERMANENT BRIDGE CLOSURE TRAFFIC CONTROL



OR



NOTES:

1. SEE SECTION 2C.26 OF THE MUTCD. MULTI-LANE ROADS SHALL HAVE W14 SERIES SIGNS WITH A MINIMUM SIZE OF 36" X 36". SINGLE LANE ROADS MAY HAVE SIGNS OF 30" X 30".

2. USE WHERE 'D' EXCEEDS 1500 FT. OR WHERE SIGHT DISTANCE TO THE CLOSURE IS LESS THAN 500 FT.

3. ~~WHERE THE POINT OF CLOSURE IS OVER 1 MILE FROM THE LAST CROSS ROAD, AN "X MILES AHEAD" PLAQUE (W12-I101) MAY BE USED.~~

4. BARRICADES OR A ROAD ENDS SIGN WITH RED OBJECT MARKERS SHALL BE USED AT THE POINT OF CLOSURE. GUARDRAIL MAY BE USED IN CONJUNCTION WITH BARRICADES OR 'ROAD ENDS' SIGN. IF USED, BARRICADES SHALL BE RETRO-REFLECTORIZED RED/WHITE AND PERMANENTLY INSTALLED INTO THE PAVEMENT. ANY BARRIERS USED SHALL EXTEND BEYOND THE EDGE OF SHOULDER. IF PRACTICAL, OLD PAVEMENT SHOULD BE REMOVED BEYOND THE CLOSURE POINT OR COVERED WITH DIRT/ROCKS TO MINIMIZE THE ILLUSION OF THE ROAD CONTINUING. BARRICADES OR 'ROAD ENDS' SIGN SHOULD BE INSTALLED AT LEAST 100 FT. IN ADVANCE OF BROKEN PAVEMENT OR DIRT/ROCKS.

5. OBJECT MARKERS USED IN CONJUNCTION WITH A 'ROAD ENDS' SIGN SHALL BE RED AND CONFORM WITH SECTION 2C.66 OF THE MUTCD.

6. IF A CROSS ROAD OR ENTRANCE IS LOCATED NEAR THE ROAD CLOSURE, THE CLOSURE DEVICES SHALL BE OUTSIDE THE CLEAR ZONE OF THE CROSSROAD OR ENTRANCE.

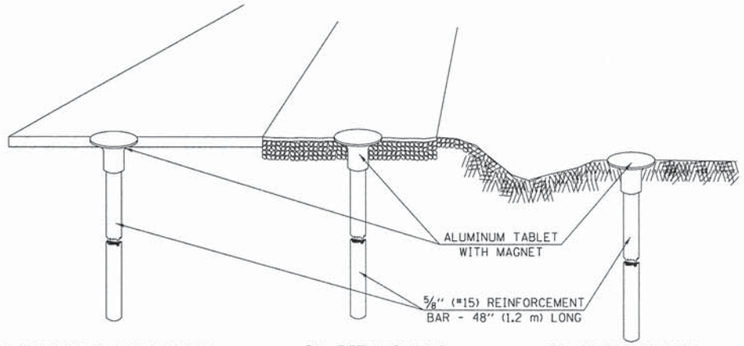
7. IF THE BRIDGE IS UNDER ACTIVE CONSTRUCTION, TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH PART 6 OF THE MUTCD.

FILE NAME = 110346-sht-permanent rd closure detail.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	PERMANENT ROAD CLOSURE DETAIL
HAMPTON, LENZINI AND RENWICK, INC. 3083 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP 184.000959	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		
	PLOT DATE = 9/15/2015	CHECKED - S.W.M.	REVISED -		SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.
		DATE - 09/15/15	REVISED -		

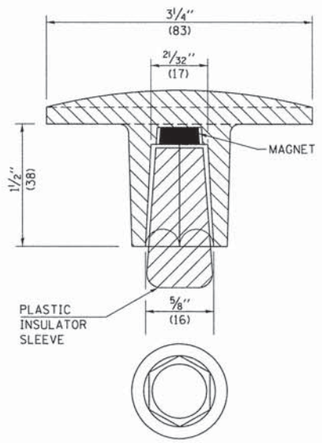
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	38
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



IN FLEXIBLE PAVEMENT OR SHOULDER | IN BITUMINOUS TREATED SURFACE | IN TURF AREAS WITHIN R.O.W.



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE REINFORCEMENT BAR AND ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE.
2. ALL SURVEY MARKERS, TYPE 1 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE 1 (SPECIAL).

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3 1/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-O; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

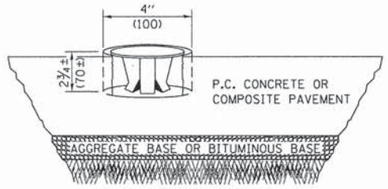
SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

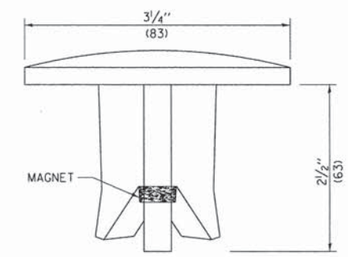
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



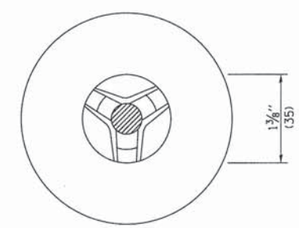
SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3 1/4" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2 1/2" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



SIDE VIEW



BOTTOM VIEW

THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. XZ193AAA

FILE NAME = 110346-sht-detail-survey marker.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED - 11/06	
HAMPTON, LENZINI AND RENWICK, INC. 2080 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - D.A.B.	REVISED - 11/10	
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -	
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -	

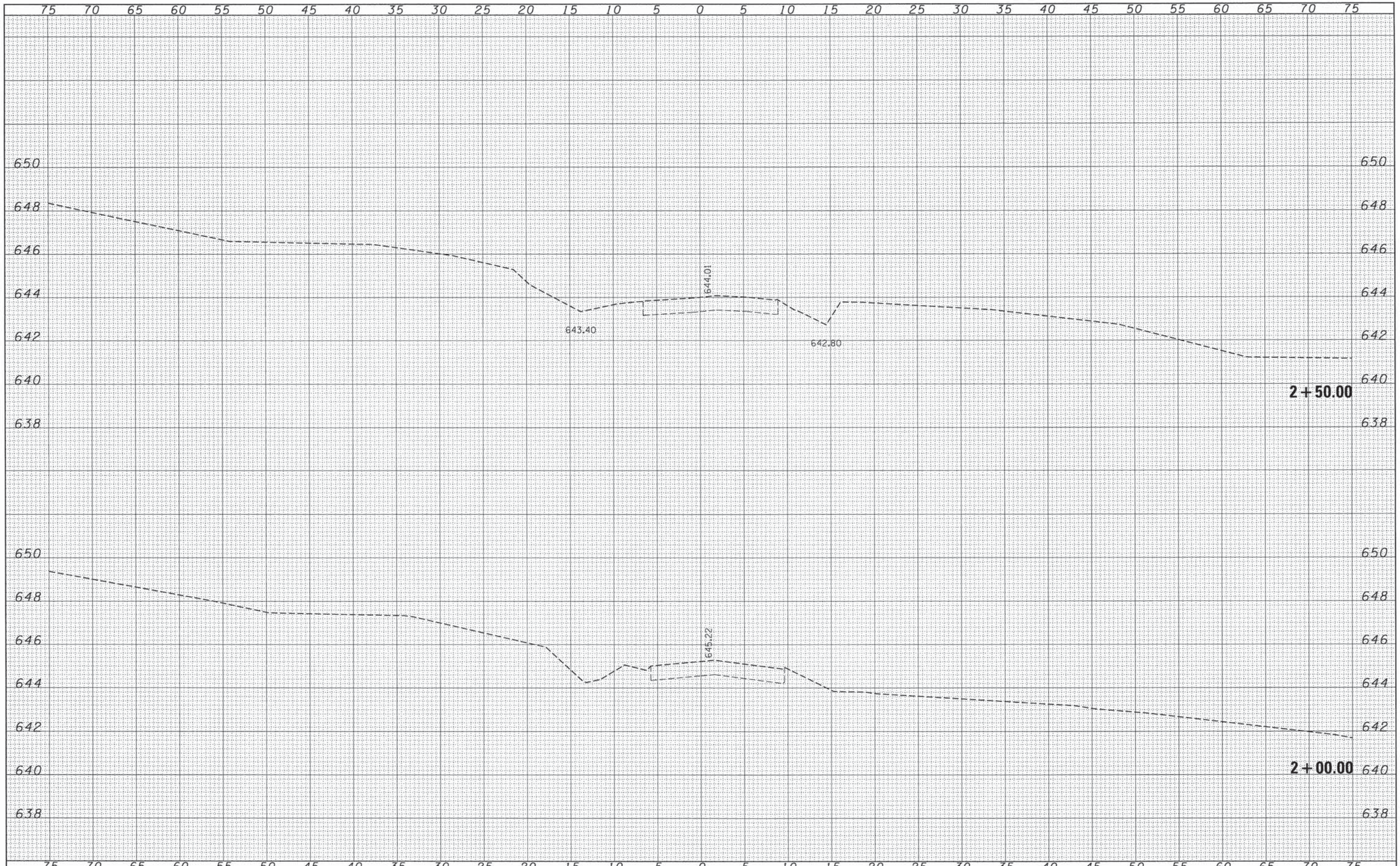
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

SCALE: | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	39
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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



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

FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

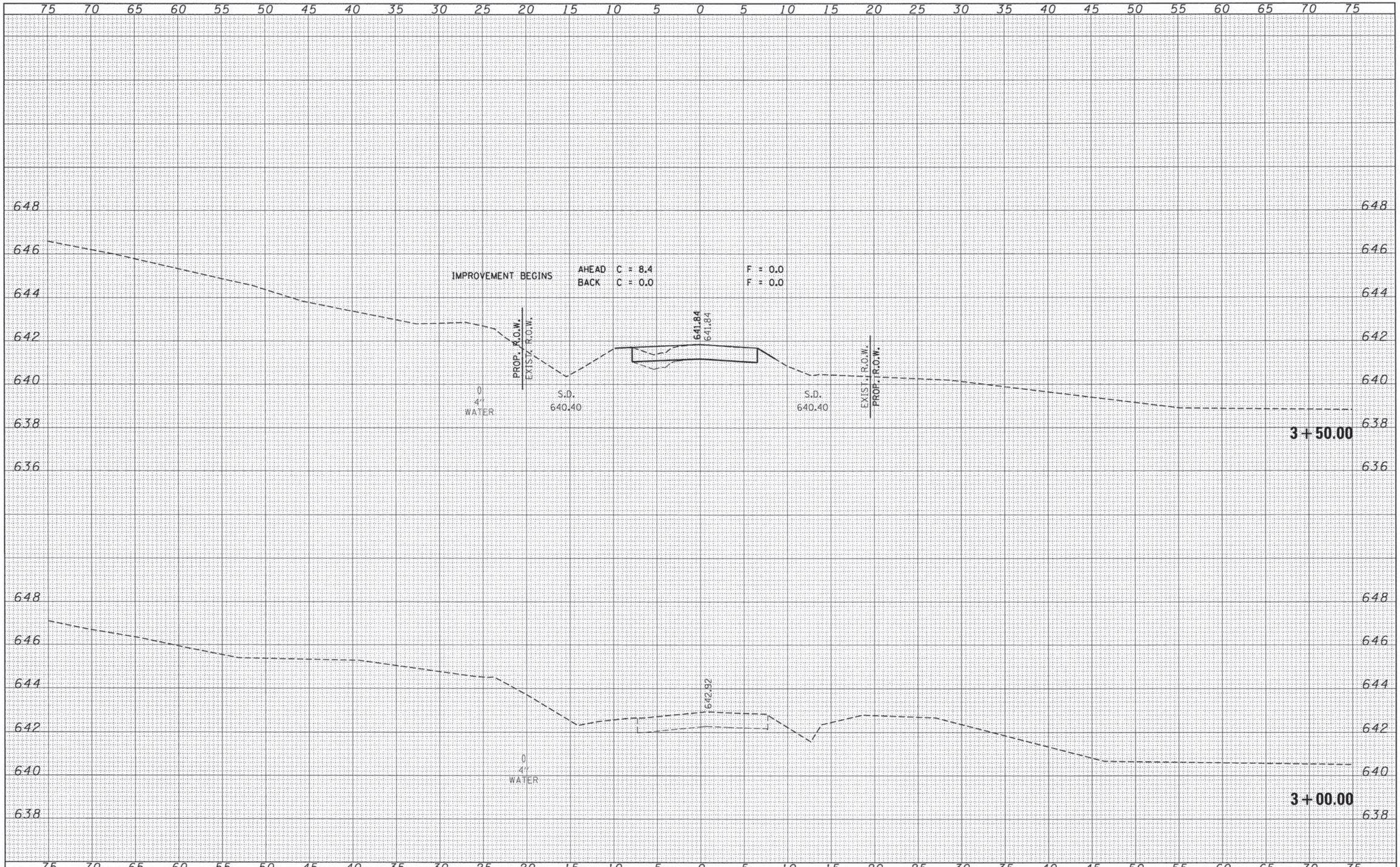
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 1 OF 25 SHEETS | STA. 2+00.00 | TO STA. 2+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	40
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
	ILLINOIS FED. AID PROJECT BROS-0045(053)			

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



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

FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3005 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000869		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

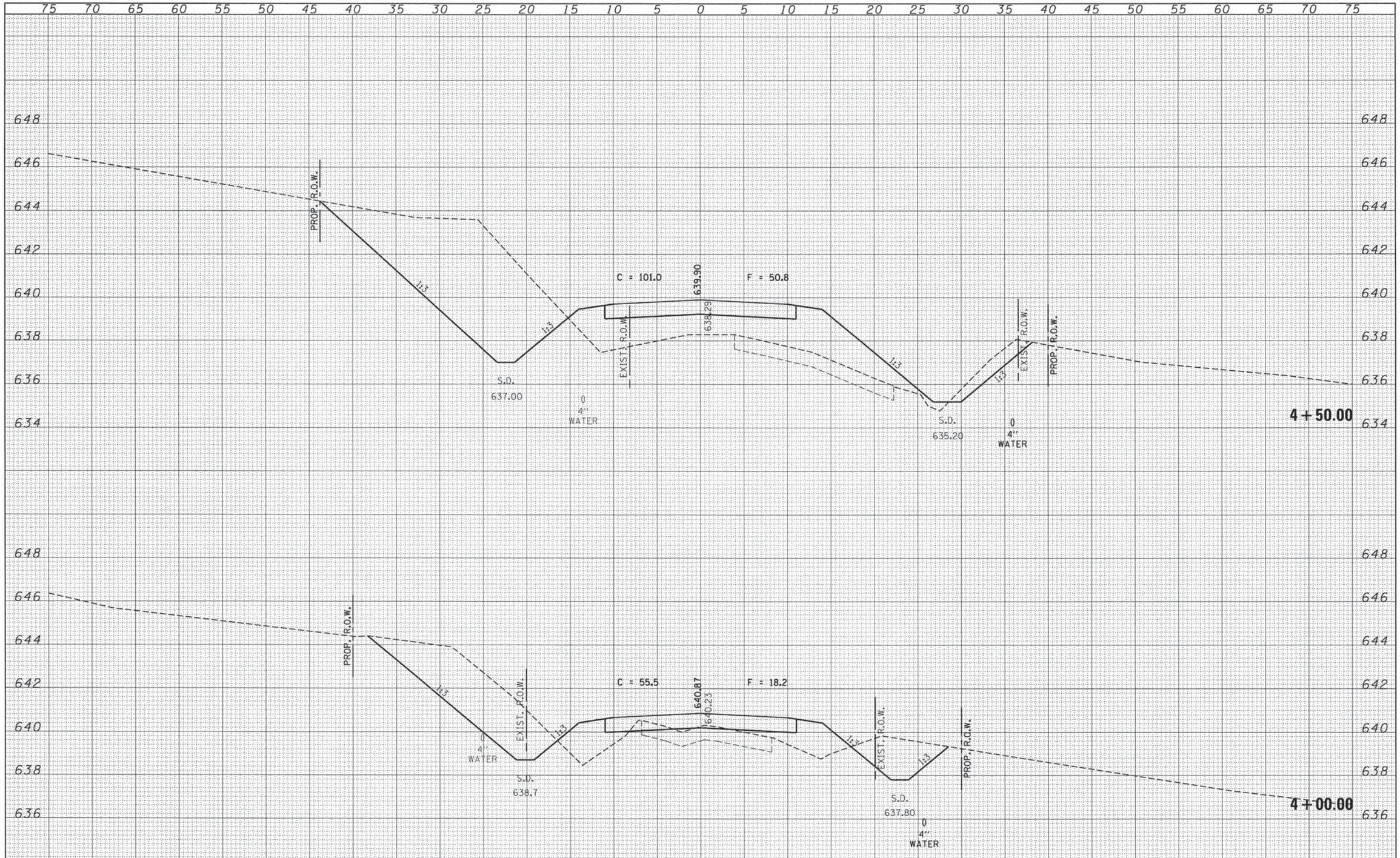
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 2 OF 25 SHEETS | STA. 3+00.00 TO STA. 3+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	41
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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



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

FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

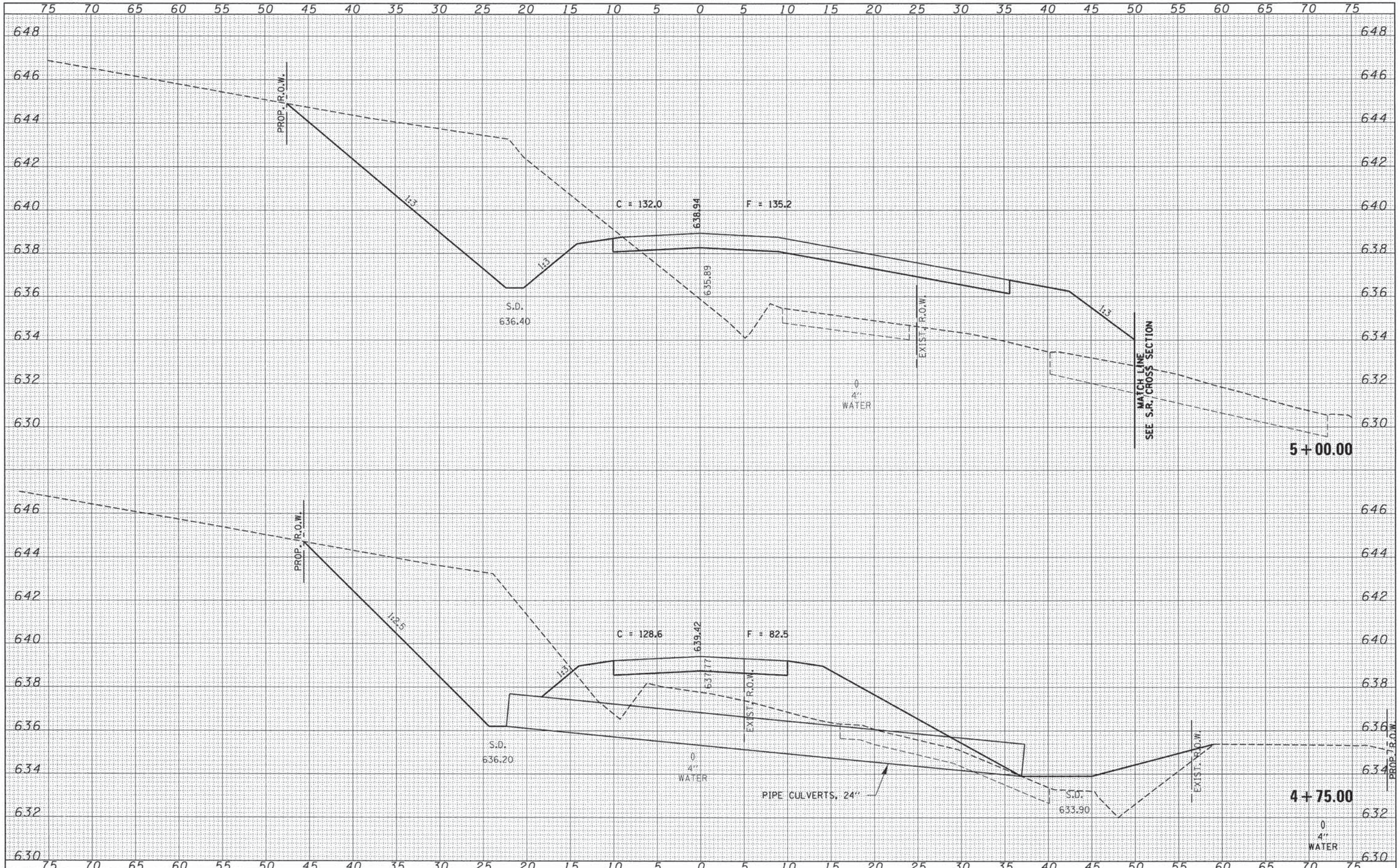
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 3 OF 25 SHEETS | STA. 4+00.00 TO STA. 4+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	42
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

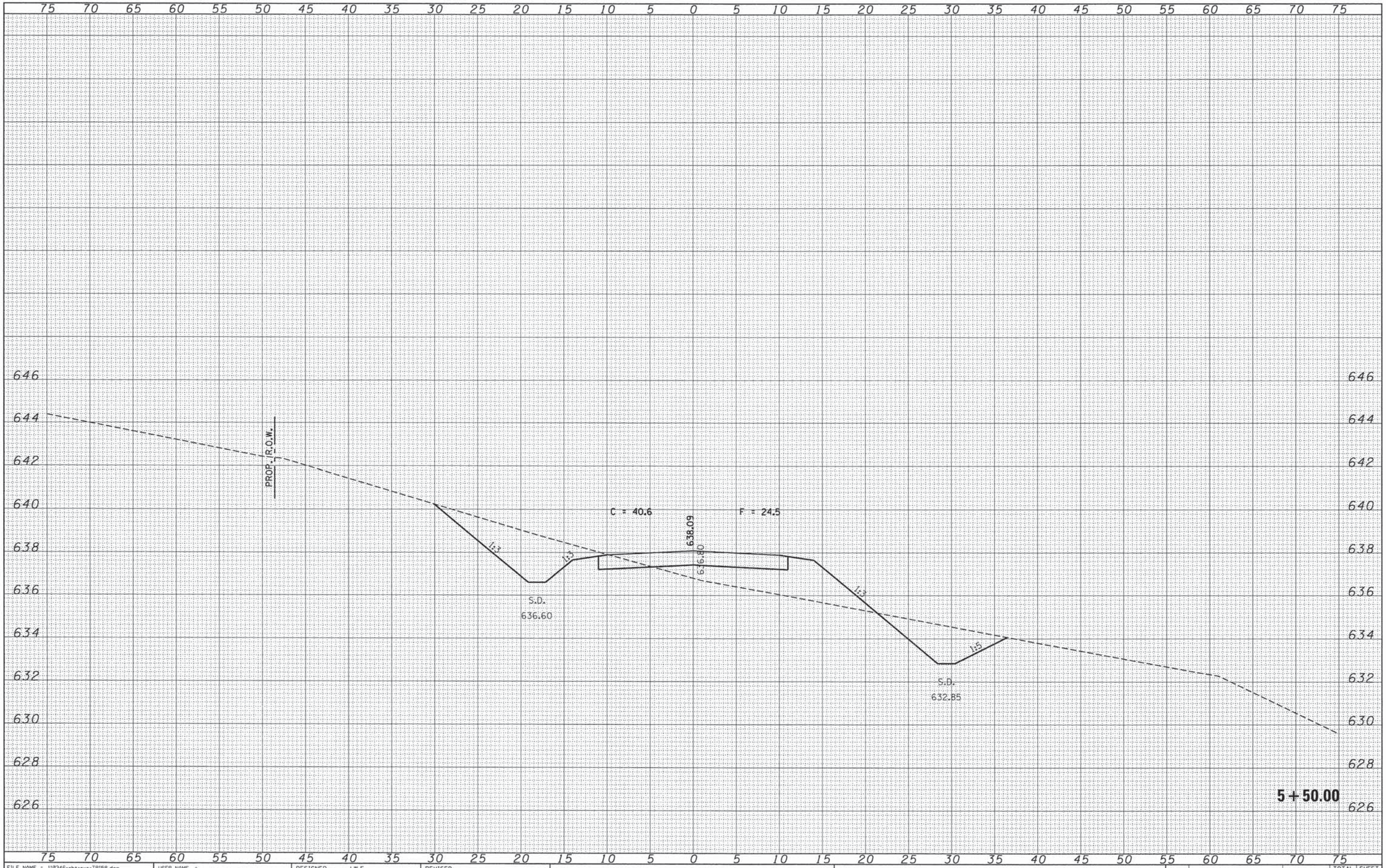
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 4 OF 25 SHEETS | STA. 4+75.00 | TO STA. 5+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	43
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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

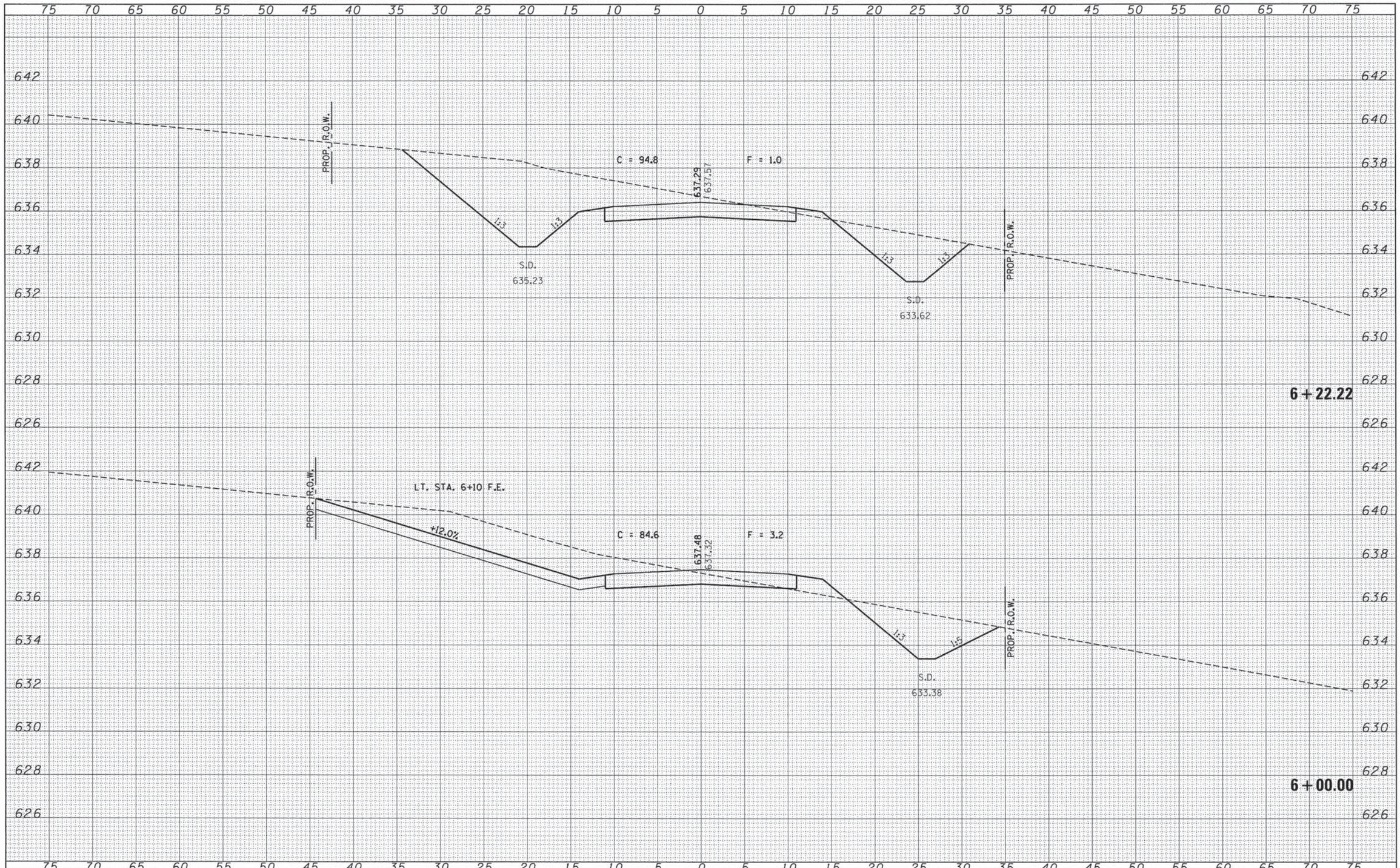


FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS N 1200TH ROAD
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -		
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -		
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -		

SCALE: 5H:2V | SHEET NO. 5 OF 25 SHEETS | STA. 5+50.00 TO STA. 5+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	44
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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



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

FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3180 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

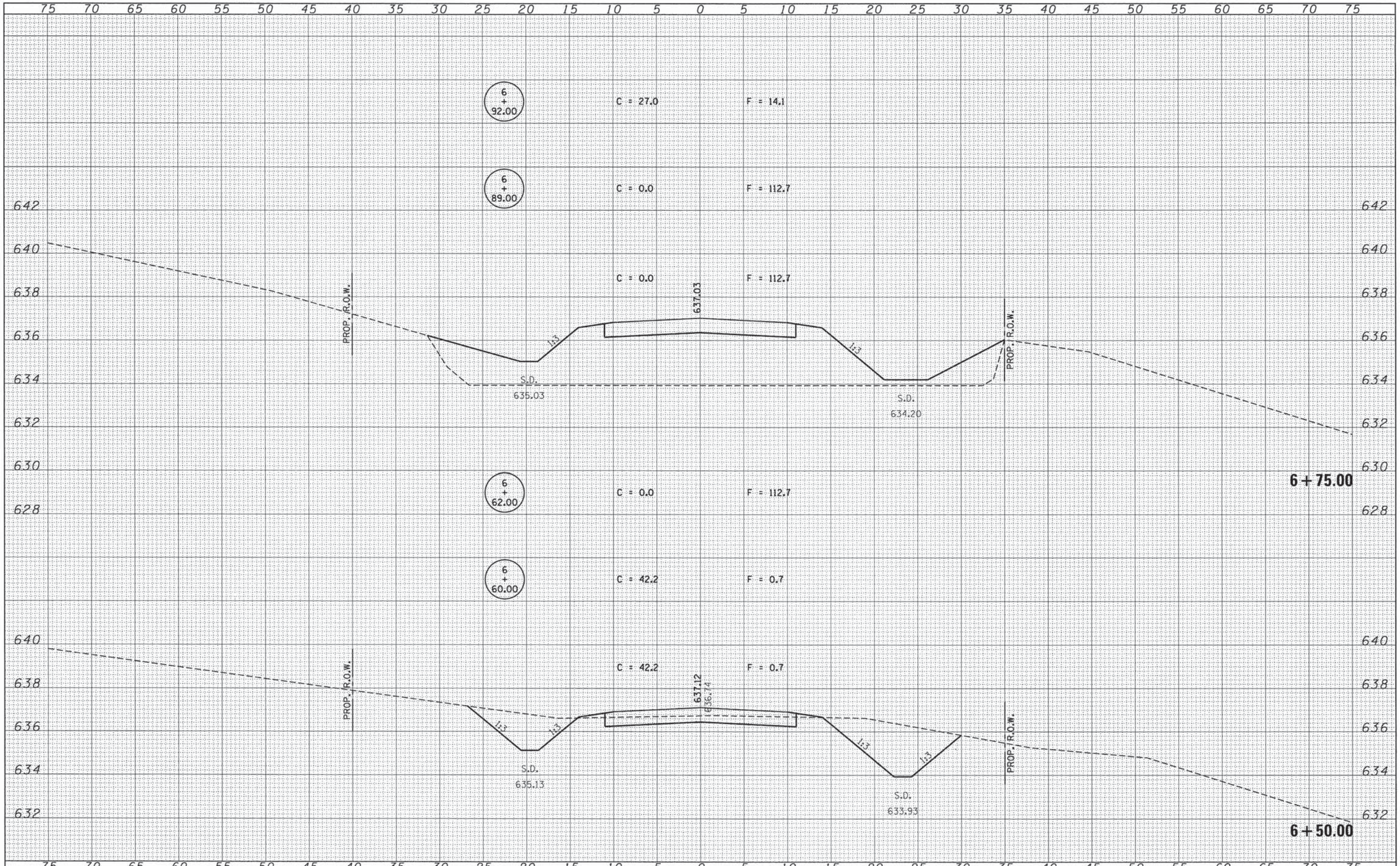
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5Hx2V | SHEET NO. 6 OF 25 SHEETS | STA. 6+00.00 | TO STA. 6+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	45
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - L.G.C.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 7 OF 25 SHEETS | STA. 6+50.00 TO STA. 6+75.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	46
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

7 + 15.00

C = 55.4 F = 8.8

7 + 11.00

C = 27.0 F = 14.1

C = 27.0 F = 14.1

RT STA 7+00 F.E.

637.00

636.02

PROP. R.O.W.

1:3 1:3

S.O. 634.93

-8.6%

PROP. R.O.W.

642 640 638 636 634 632 630 628

7+00.00

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

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3005 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

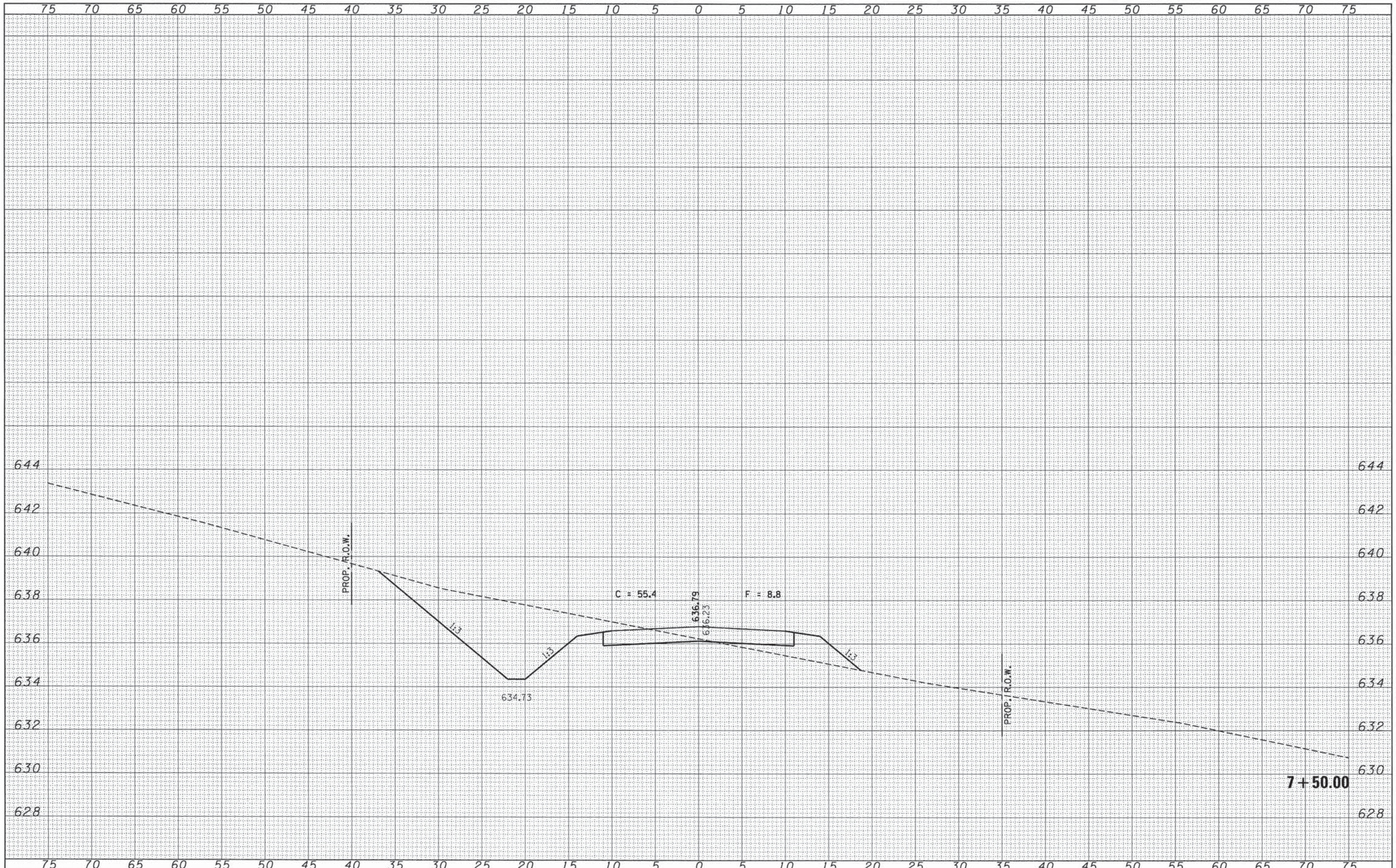
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 8 OF 25 SHEETS | STA. 7+00.00 | TO STA. 7+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	47
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.003959

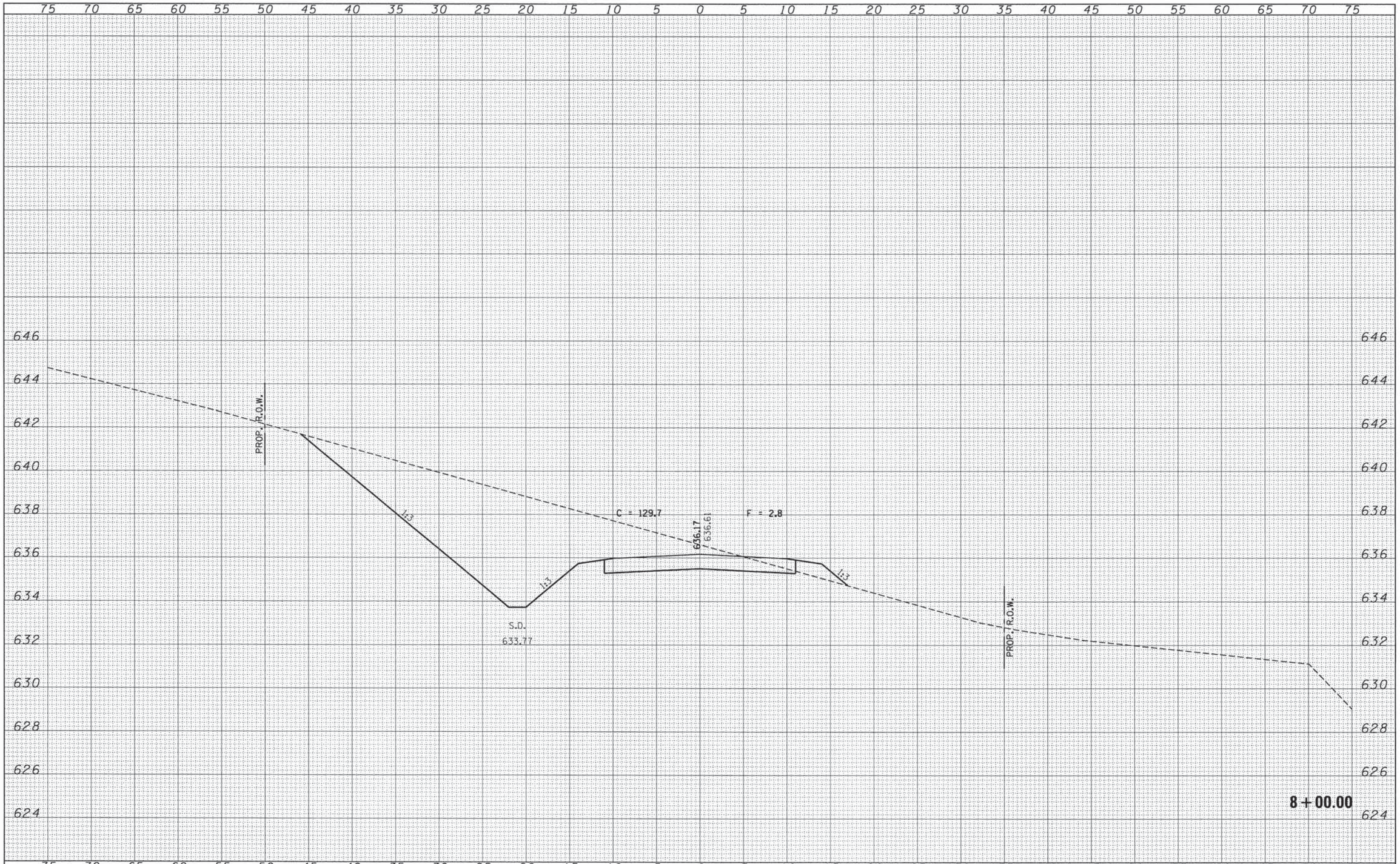
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5Hz2V | SHEET NO. 9 OF 25 SHEETS | STA. 7+50.00 | TO STA. 7+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	48
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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



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

FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -
3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

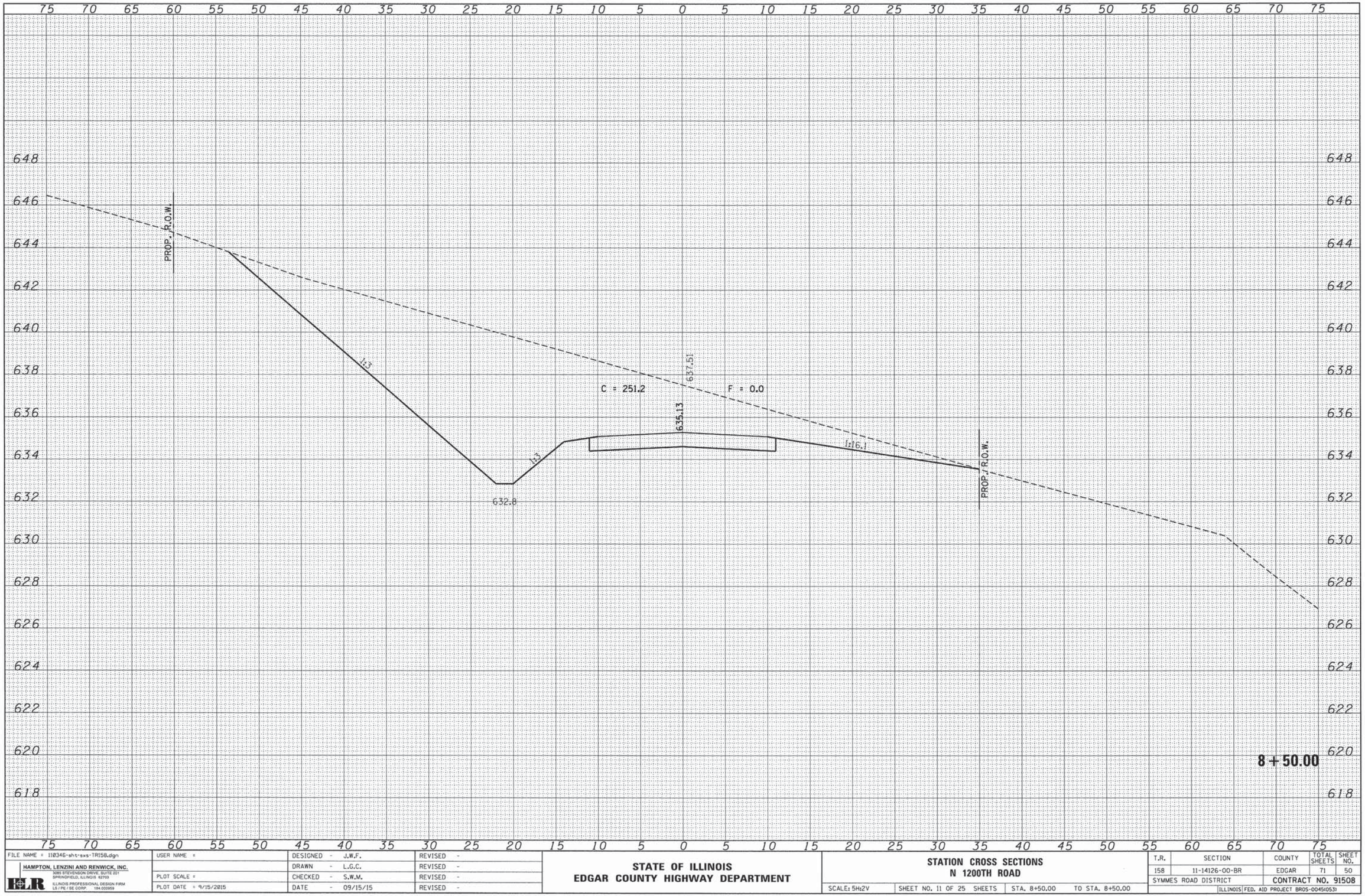
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 10 OF 25 SHEETS | STA. 8+00.00 | TO STA. 8+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	49
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

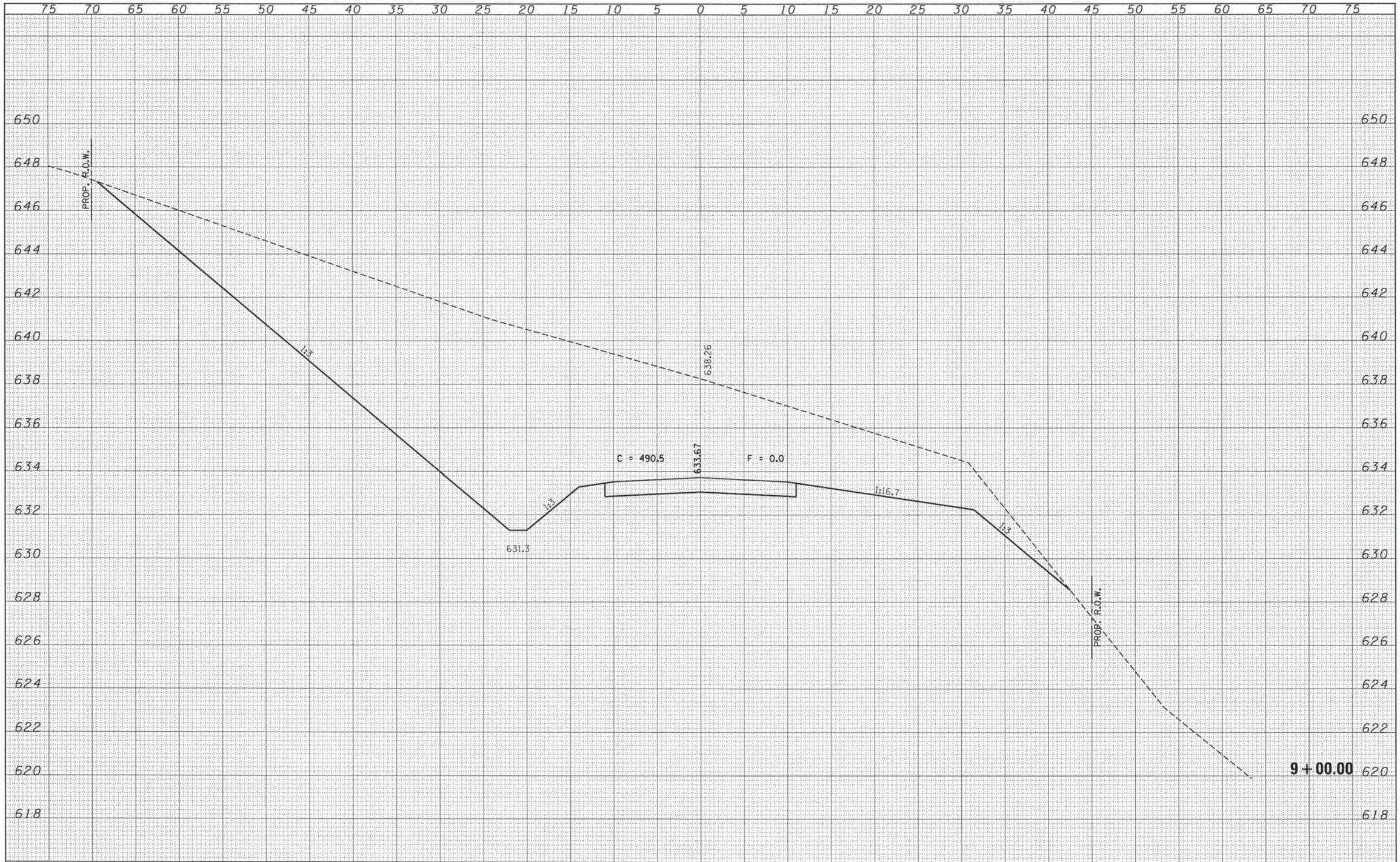
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5Hx2V | SHEET NO. 11 OF 25 SHEETS | STA. 8+50.00 TO STA. 8+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	50
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

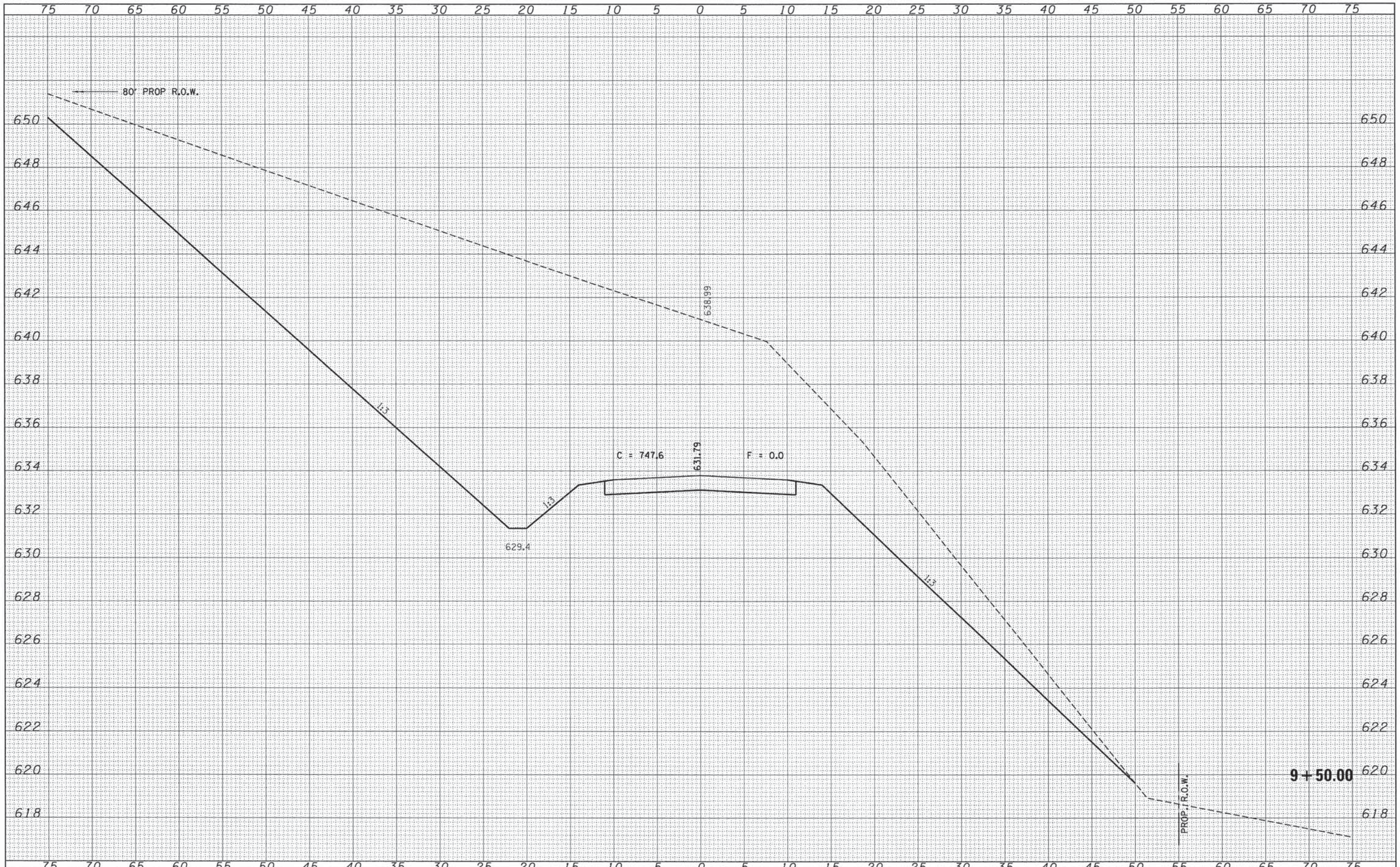
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 12 OF 25 SHEETS | STA. 9+00.00 | TO STA. 9+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	51
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -
3360 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.002959	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

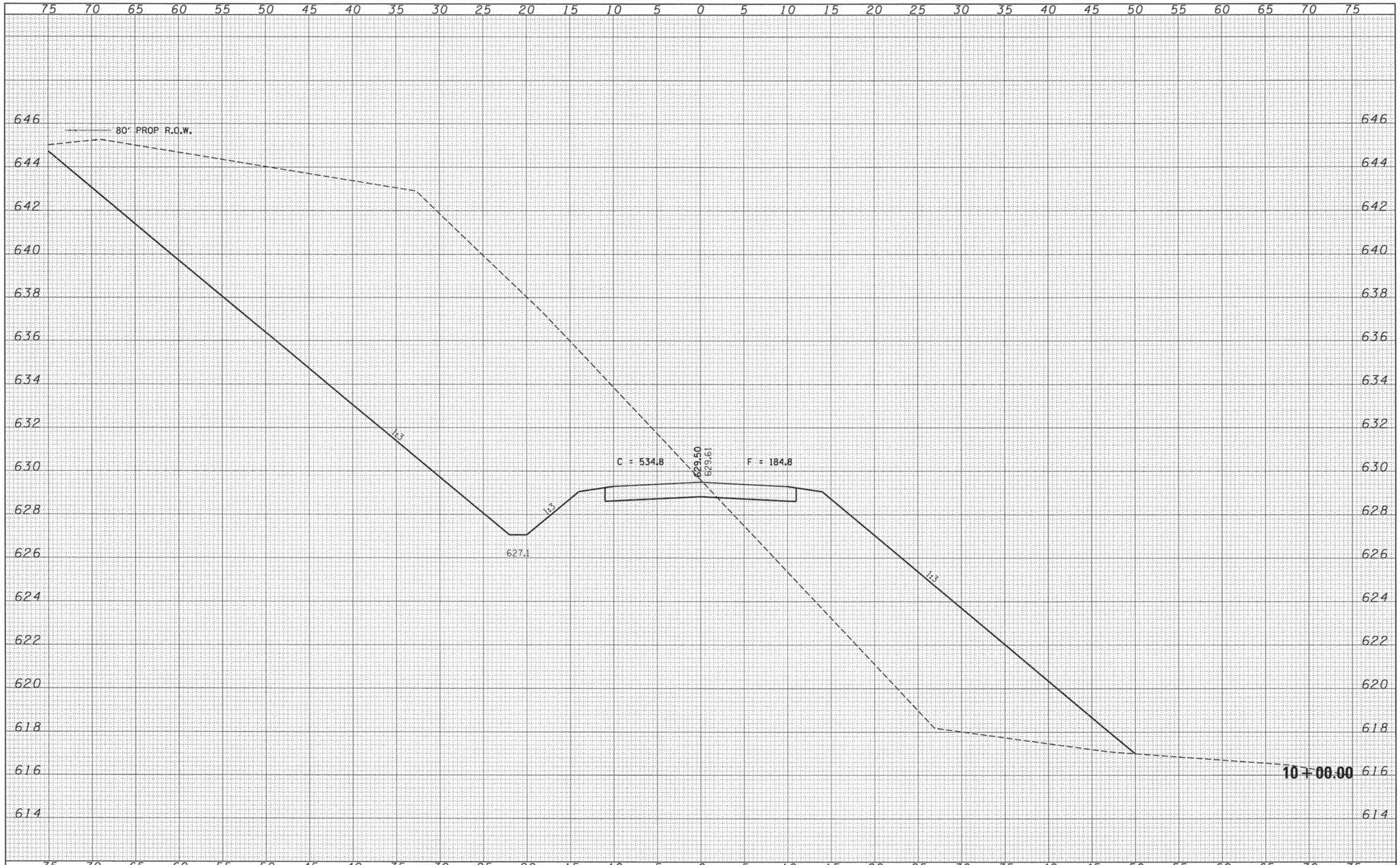
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5Ht2V | SHEET NO. 13 OF 25 SHEETS | STA. 9+50.00 | TO STA. 9+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	52
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 2985 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

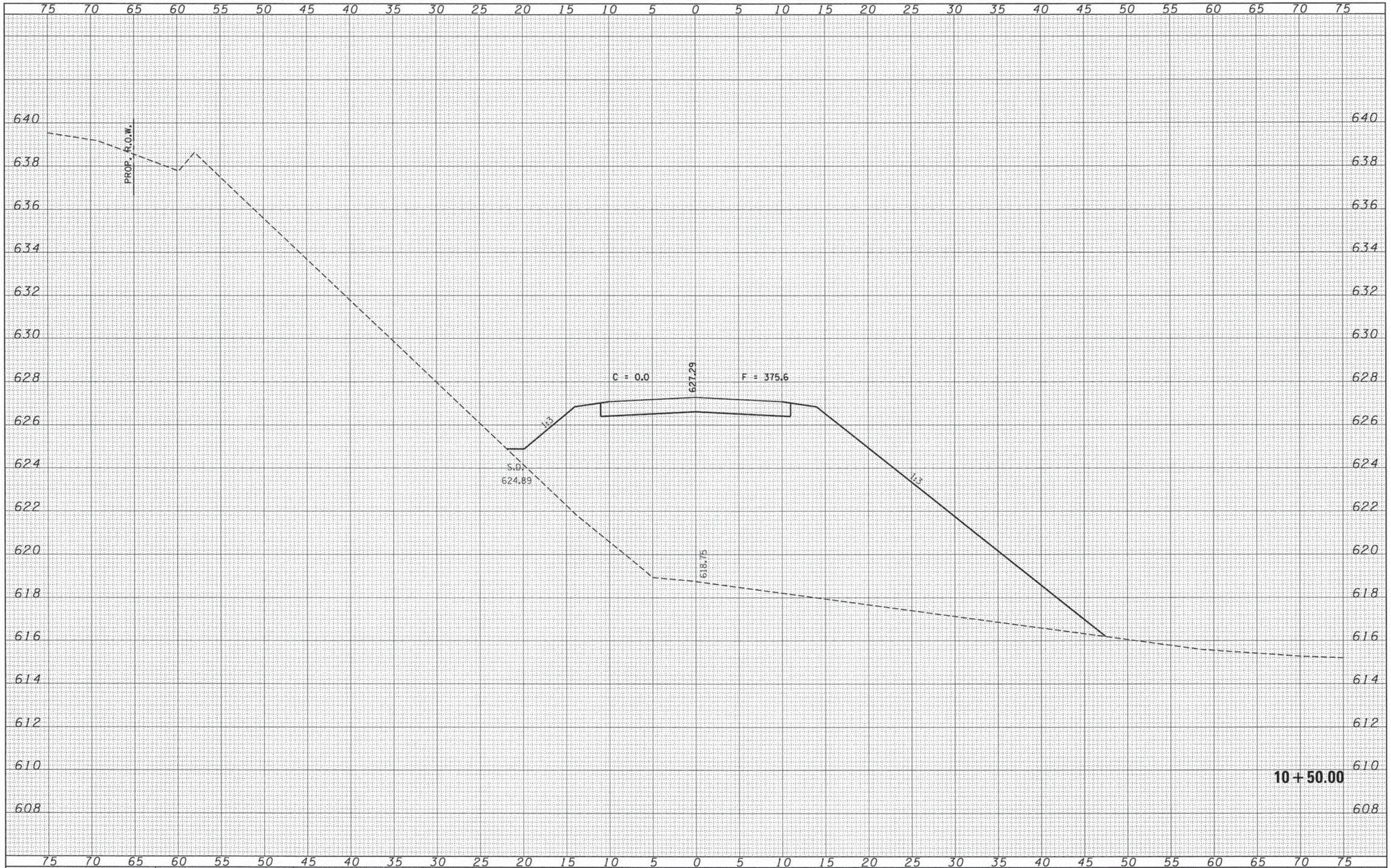
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 14 OF 25 SHEETS | STA. 10+00.00 | TO STA. 10+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	53
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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



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

FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3081 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

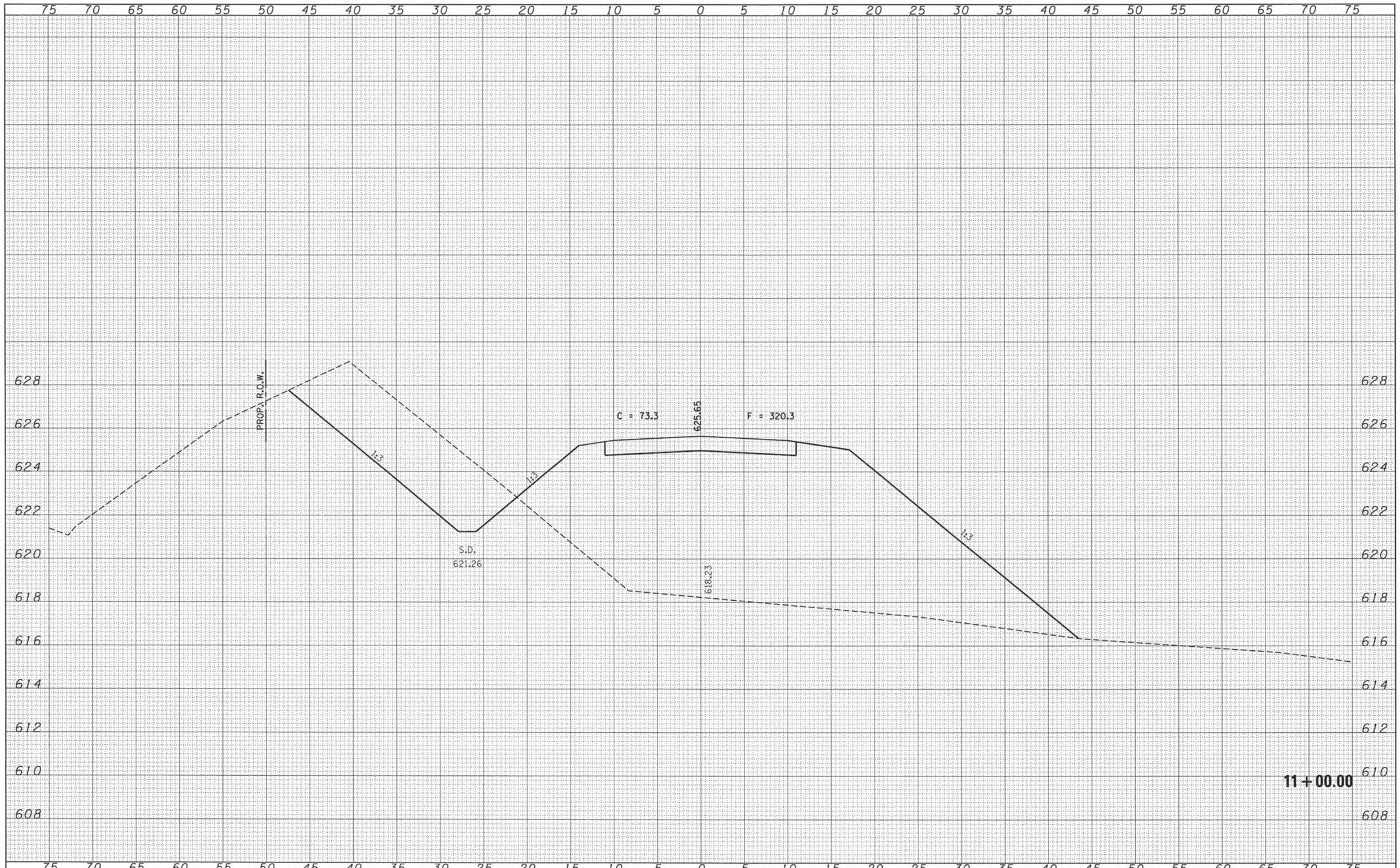
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 15 OF 25 SHEETS | STA. 10+50.00 TO STA. 10+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	54
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS FED. AID PROJECT BROS-0045(053)				

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

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



FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3365 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

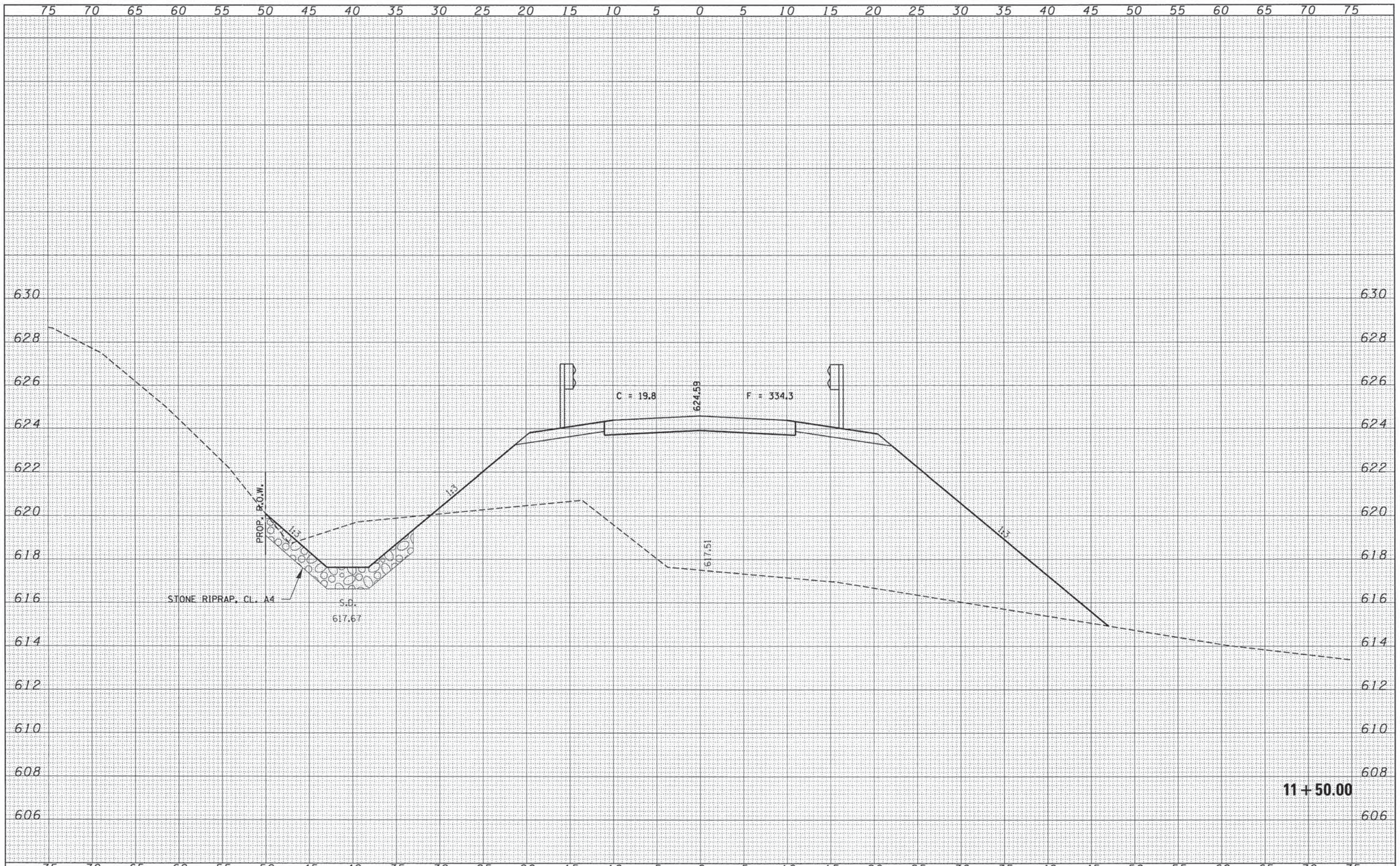
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5Ht2V | SHEET NO. 16 OF 25 SHEETS | STA. 11+00.00 | TO STA. 11+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	55
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
2085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

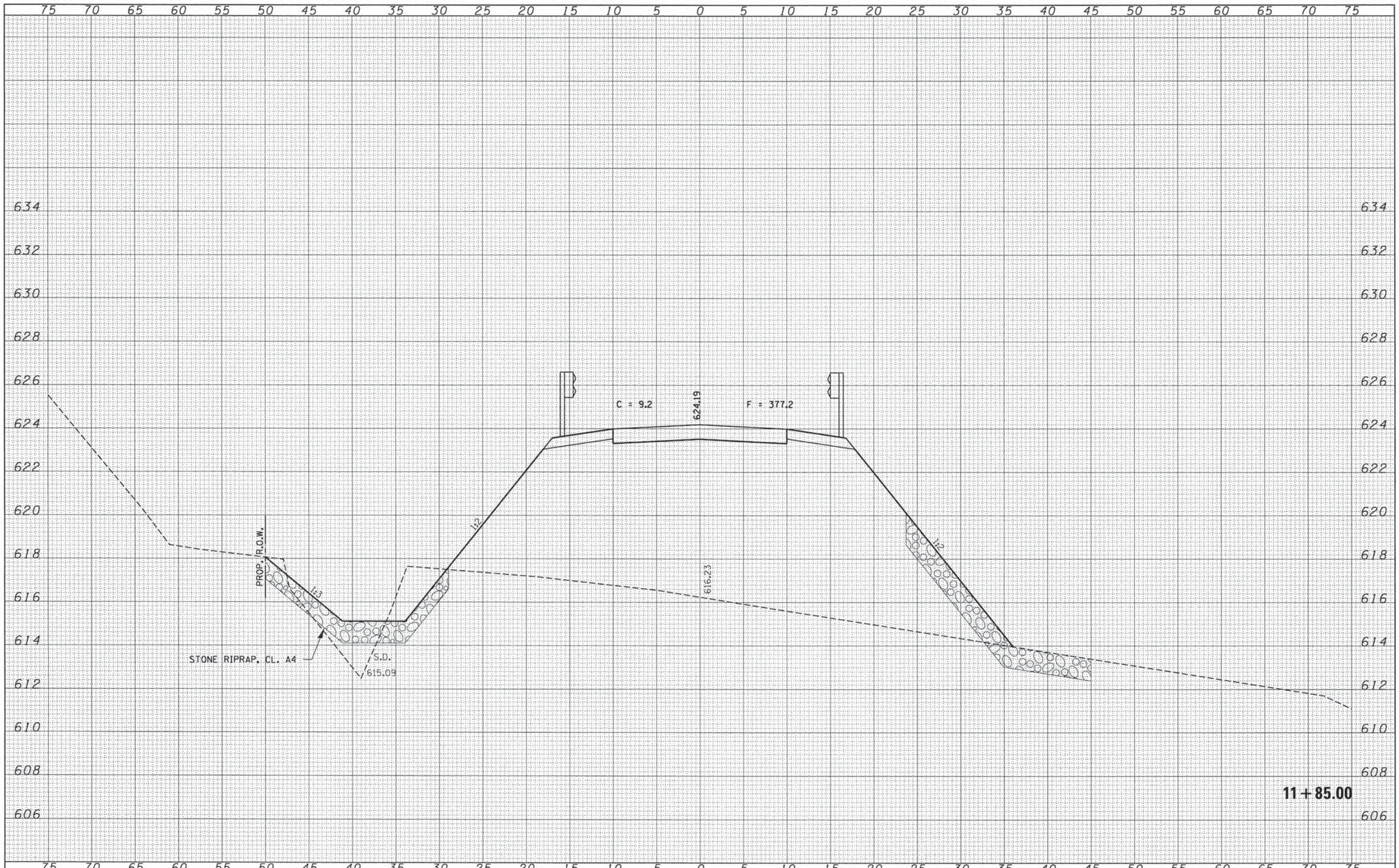
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 17 OF 25 SHEETS | STA. 11+50.00 | TO STA. 11+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	56
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5Hx2V | SHEET NO. 18 OF 25 SHEETS | STA. 12+00.00 | TO STA. 12+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	57
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

12 + 15 TOE OF SLOPE C = 0 F = 0

12 + 01.67 BK. S. ABUTMENT AHEAD C = 0.0 F = 296.0
BACK C = 9.2 F = 377.2

624.10

PROP. R.O.W.

1:2

1:2

BERM ELEV. 619.0

615.30

STONE RIPRAP, CL. A4

S.D. 614.00

624 622 620 618 616 614 612 610

626 624 622 620 618 616 614 612 610

12+00.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - L.G.C.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 19 OF 25 SHEETS | STA. 12+50.00 | TO STA. 12+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	58
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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

13 + 64.33 BK. N. ABUTMENT

AHEAD C = 20.7 F = 295.8
BACK C = 0.0 F = 0.0

80' TEMPORARY EASEMENT

AHEAD C = 6.0 F = 0.0
BACK C = 0.0 F = 0.0

PROP. R.O.W.
EXIST. R.O.W.
614.23
618.40
613.61
STONE RIPRAP, CLASS A4 (SPECIAL)

13 + 50.00

13 + 00.00

FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

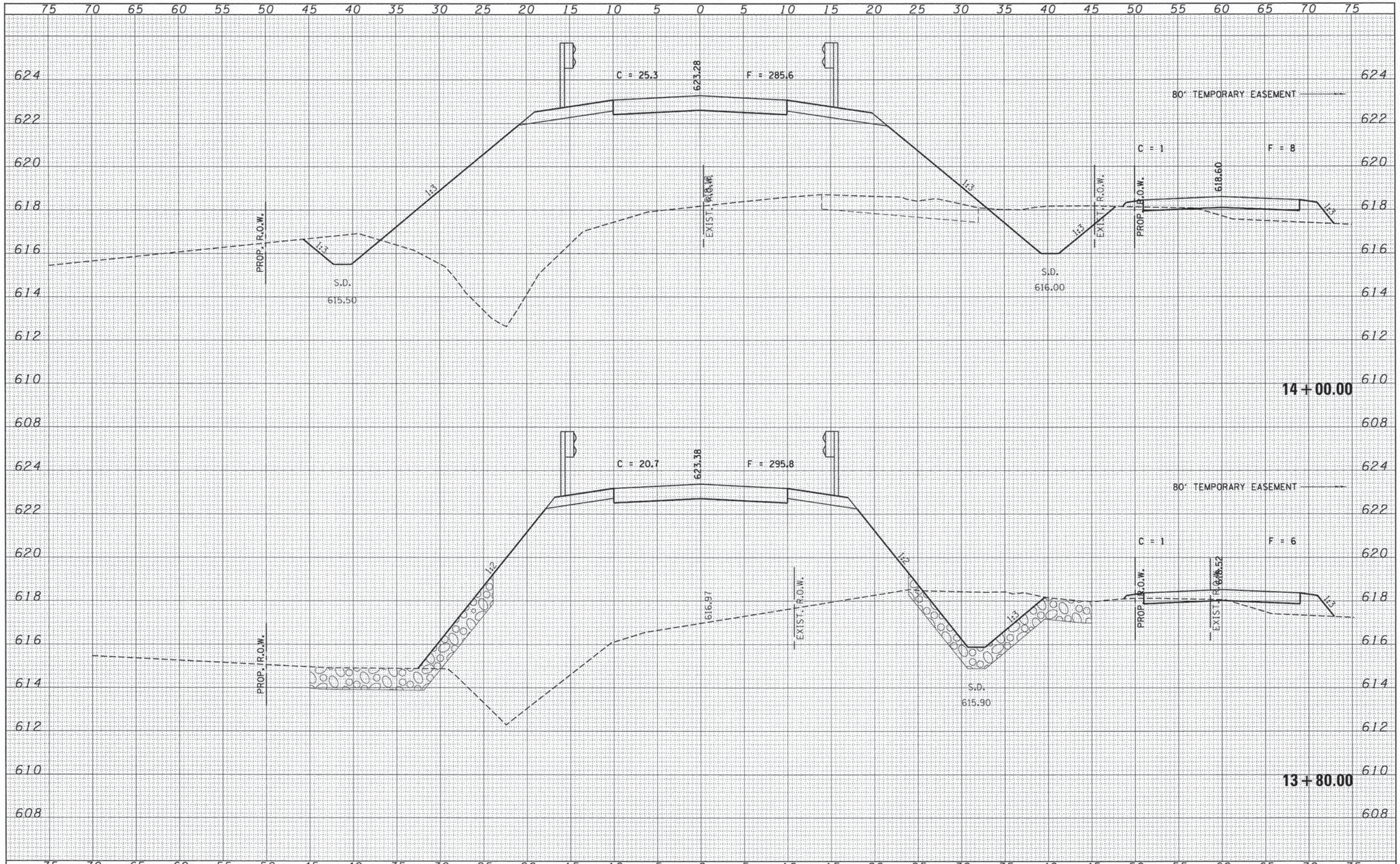
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LB / PE / SE CORP. 184.000959

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 20 OF 25 SHEETS | STA. 13+00.00 TO STA. 13+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	59
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			



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

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

FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3065 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LG / PE / SE CORP. 184.000859

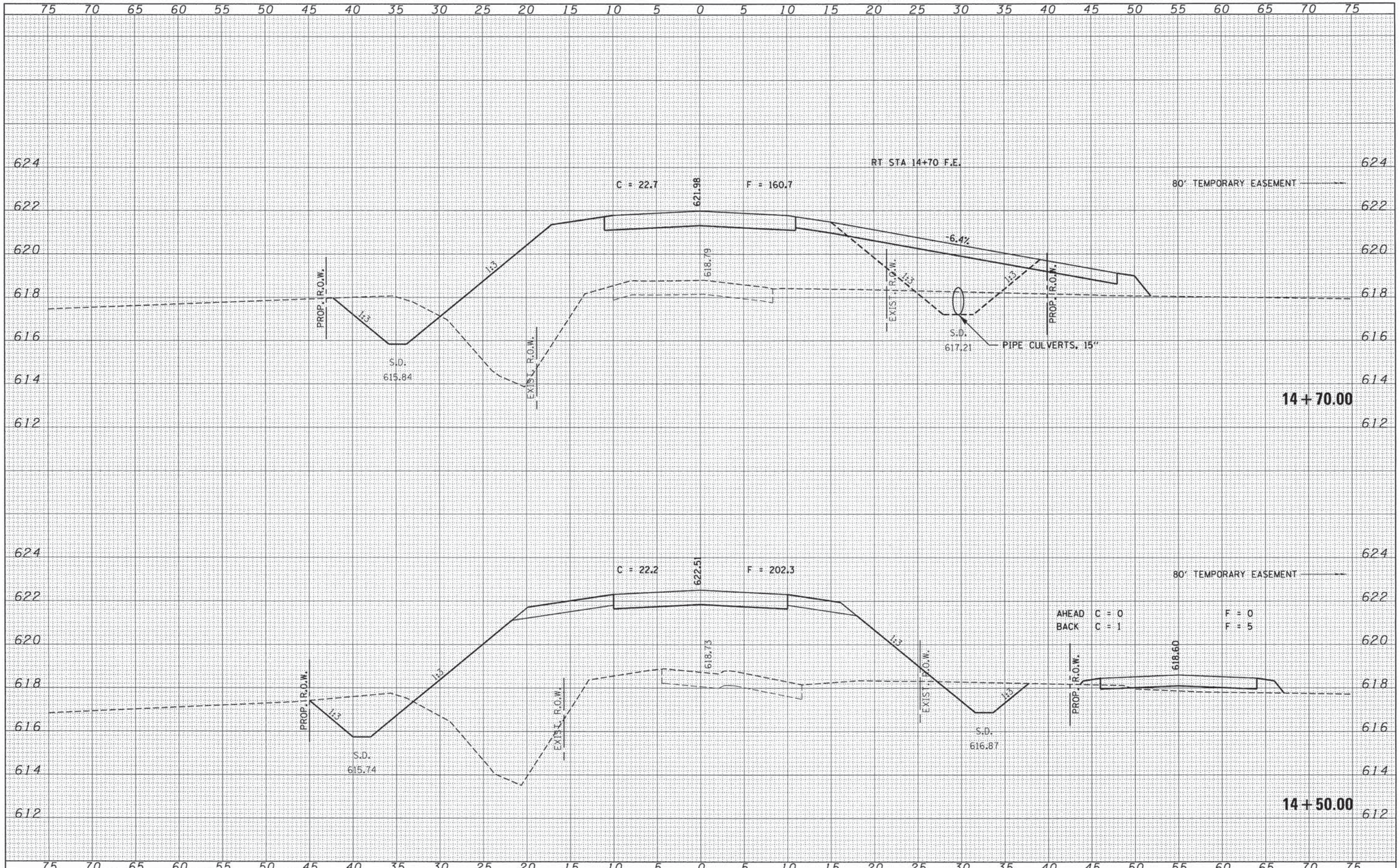
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 21 OF 25 SHEETS | STA. 14+00.00 | TO STA. 14+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	60
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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



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

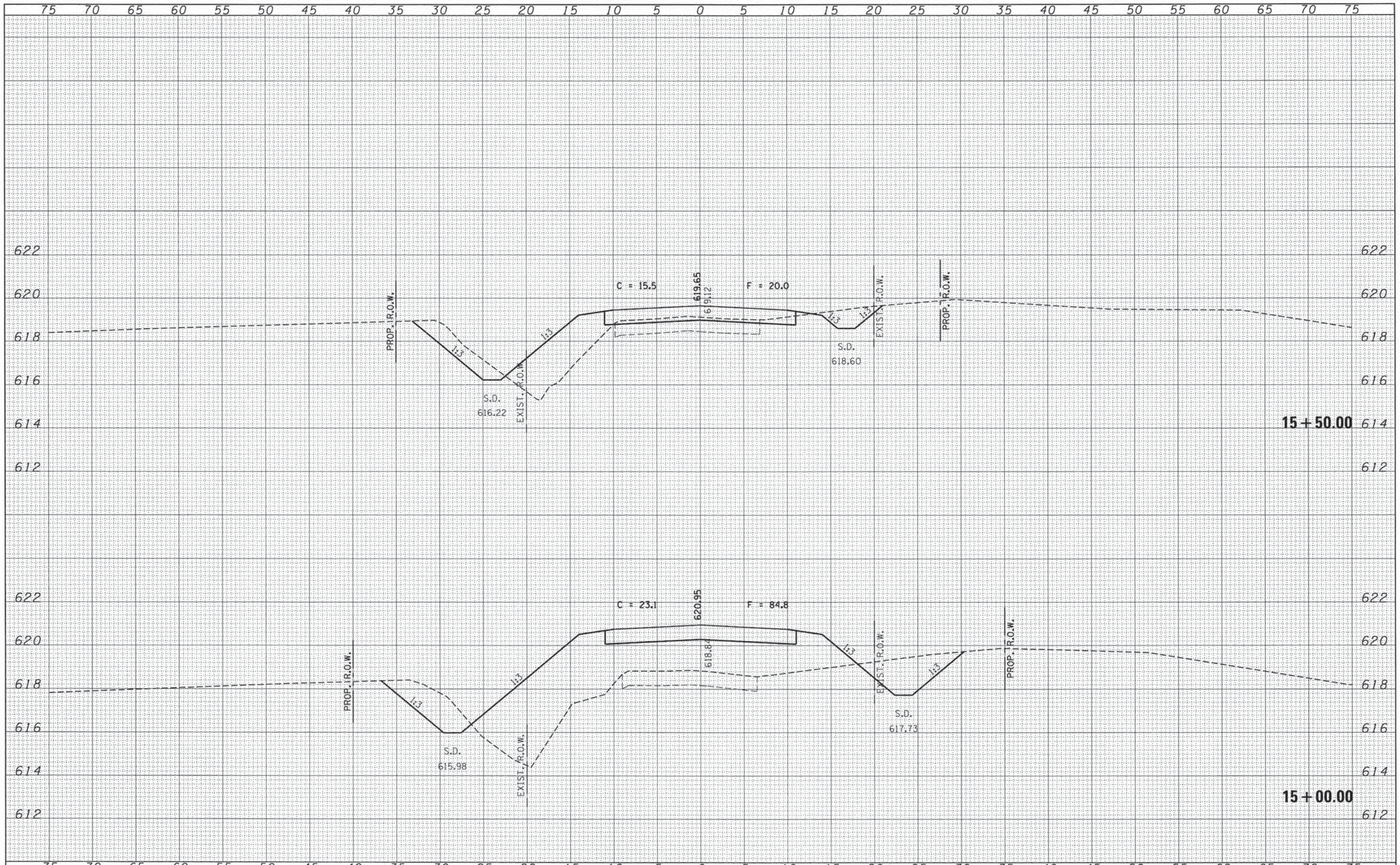
FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 22 OF 25 SHEETS | STA. 14+50.00 | TO STA. 14+70.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	61
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS FED. AID PROJECT BROS-0045(053)				



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

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

FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -
3995 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.002959	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

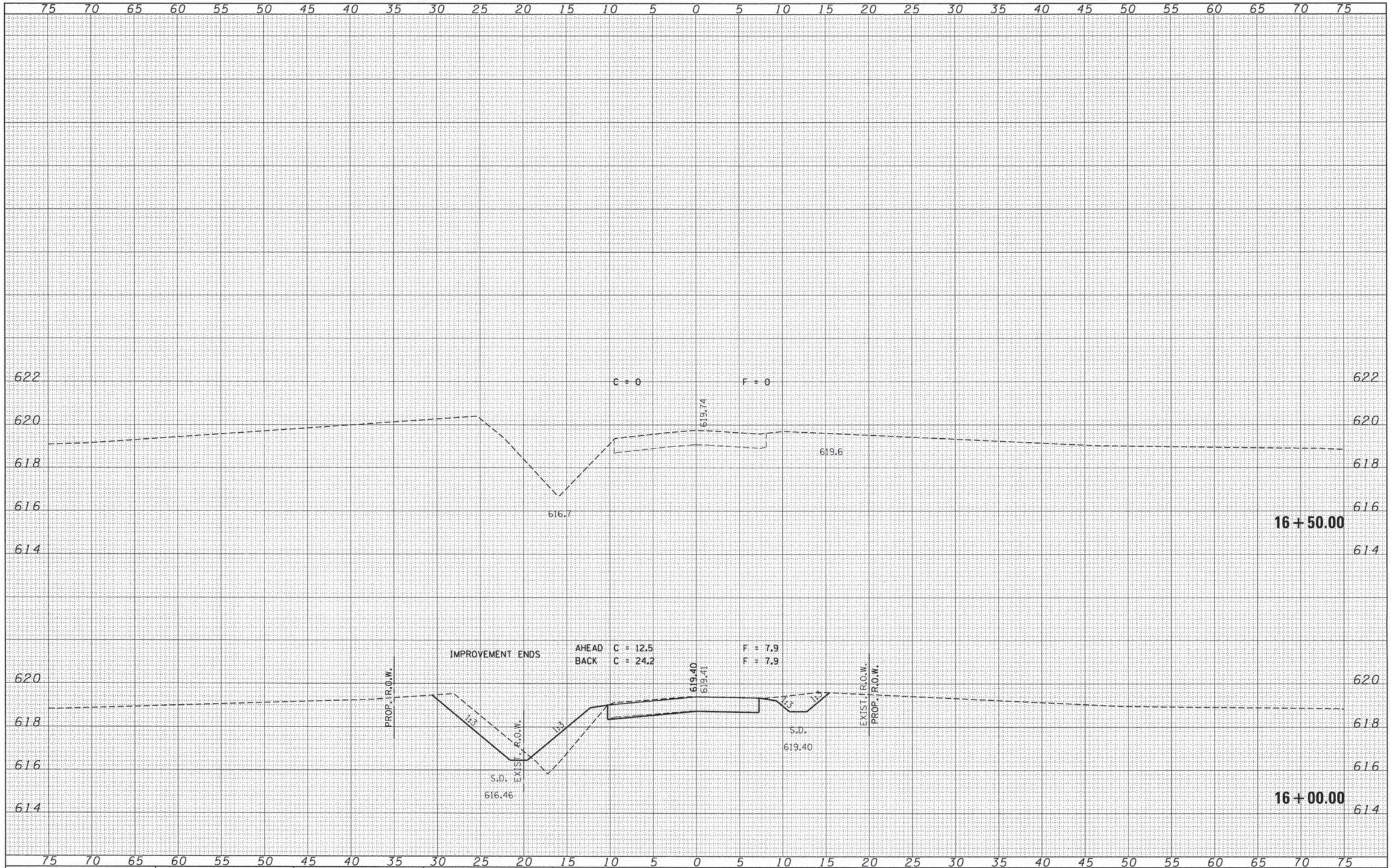
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 23 OF 25 SHEETS | STA. 15+00.00 TO STA. 15+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	62
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
5361 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.003959

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

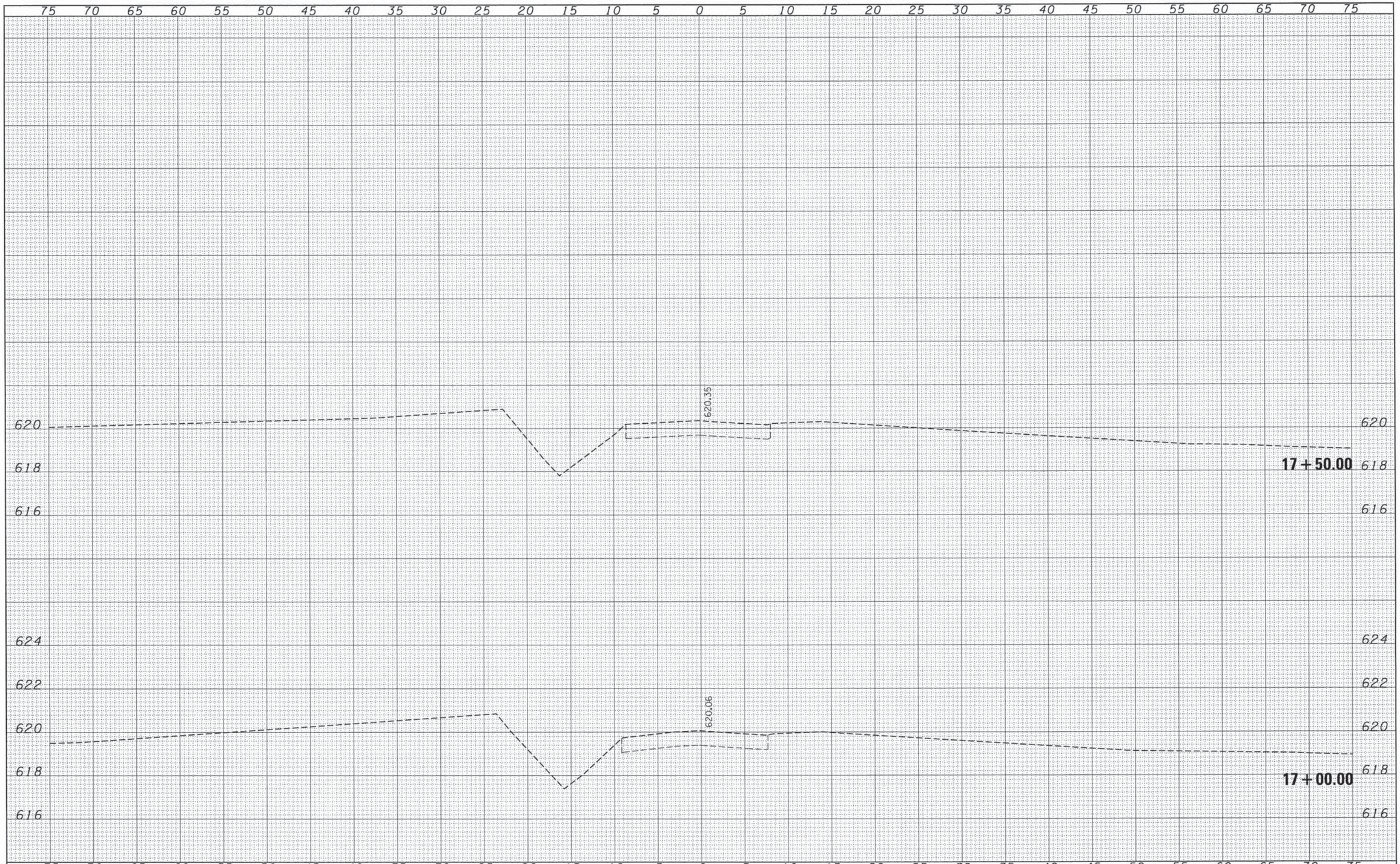
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 24 OF 25 SHEETS | STA. 16+00.00 | TO STA. 16+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	63
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-TR158.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.C.C.	REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

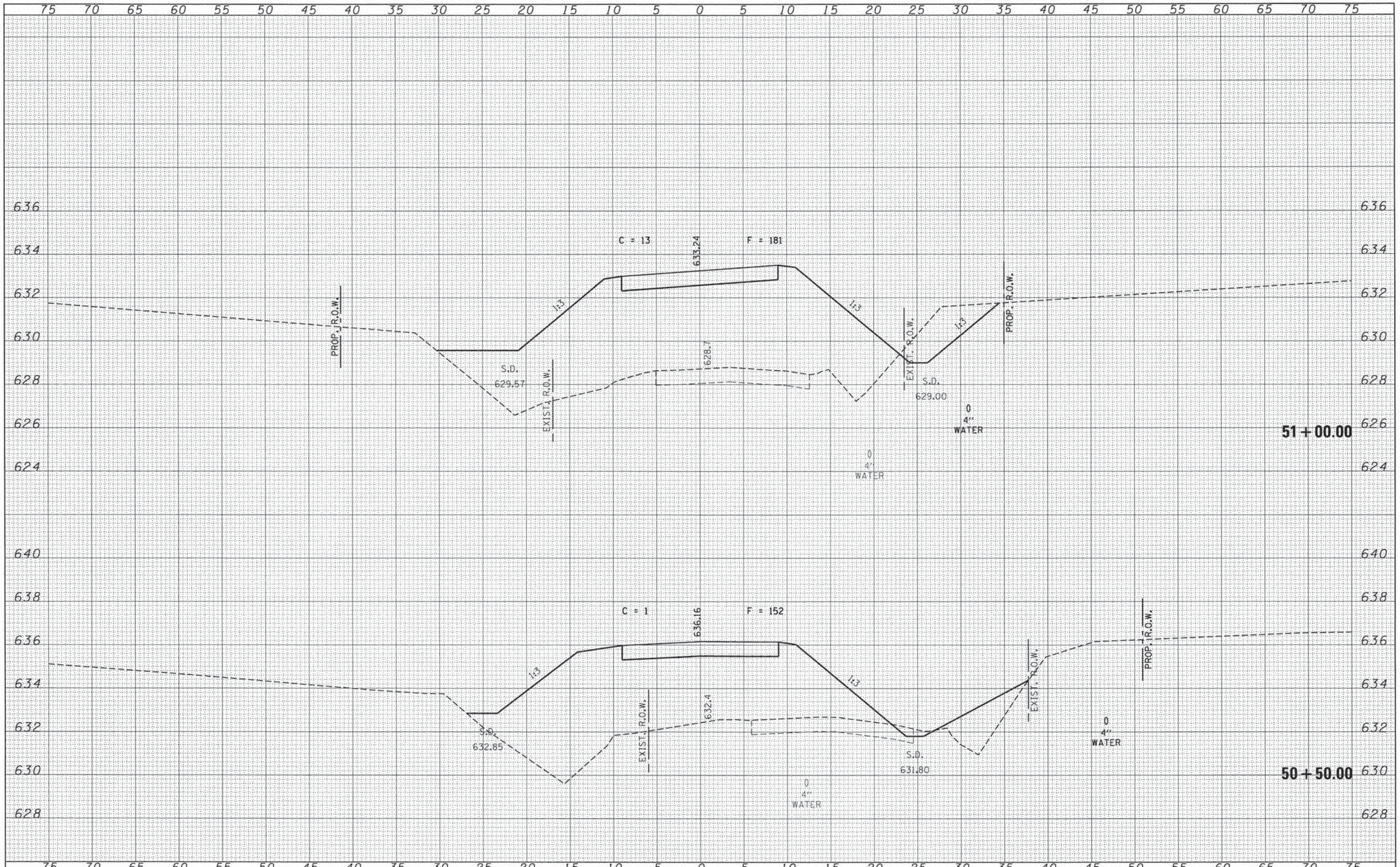
STATION CROSS SECTIONS
N 1200TH ROAD

SCALE: 5H:2V | SHEET NO. 25 OF 25 SHEETS | STA. 17+00.00 | TO STA. 17+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
158	11-14126-00-BR	EDGAR	71	64
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-SR.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3360 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

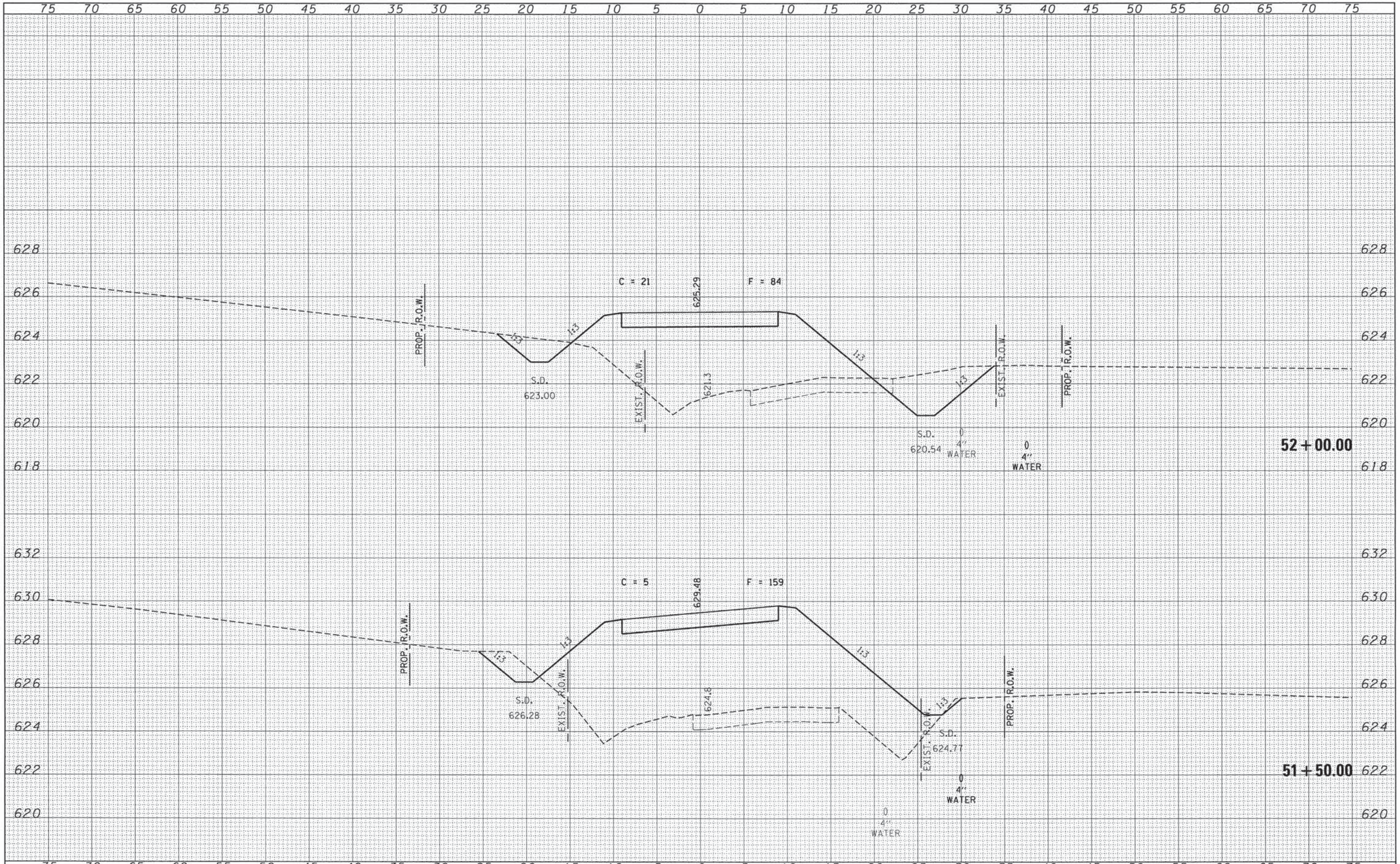
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 1 OF 7 SHEETS | STA. 50+50.00 TO STA. 51+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	11-14126-00-BR	EDGAR	71	65
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS FED. AID PROJECT BROS-0045(053)				

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



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

FILE NAME = 110346-sht-sxs-SR.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LB / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

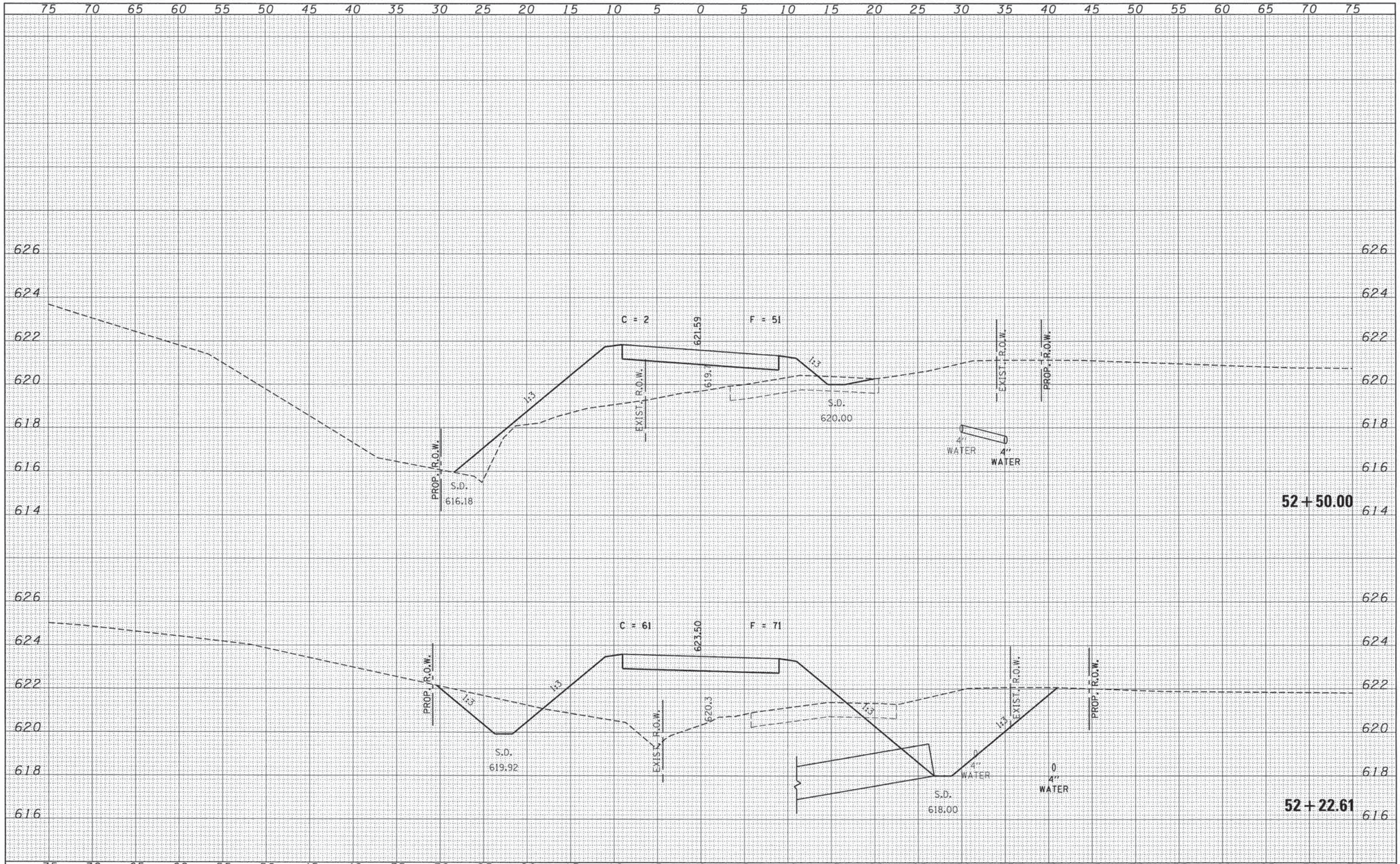
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5Ht2V | SHEET NO. 2 OF 7 SHEETS | STA. 51+50.00 TO STA. 52+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	11-14126-00-BR	EDGAR	71	66
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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



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

FILE NAME = 110346-sht-sxs-SR.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - L.G.C.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

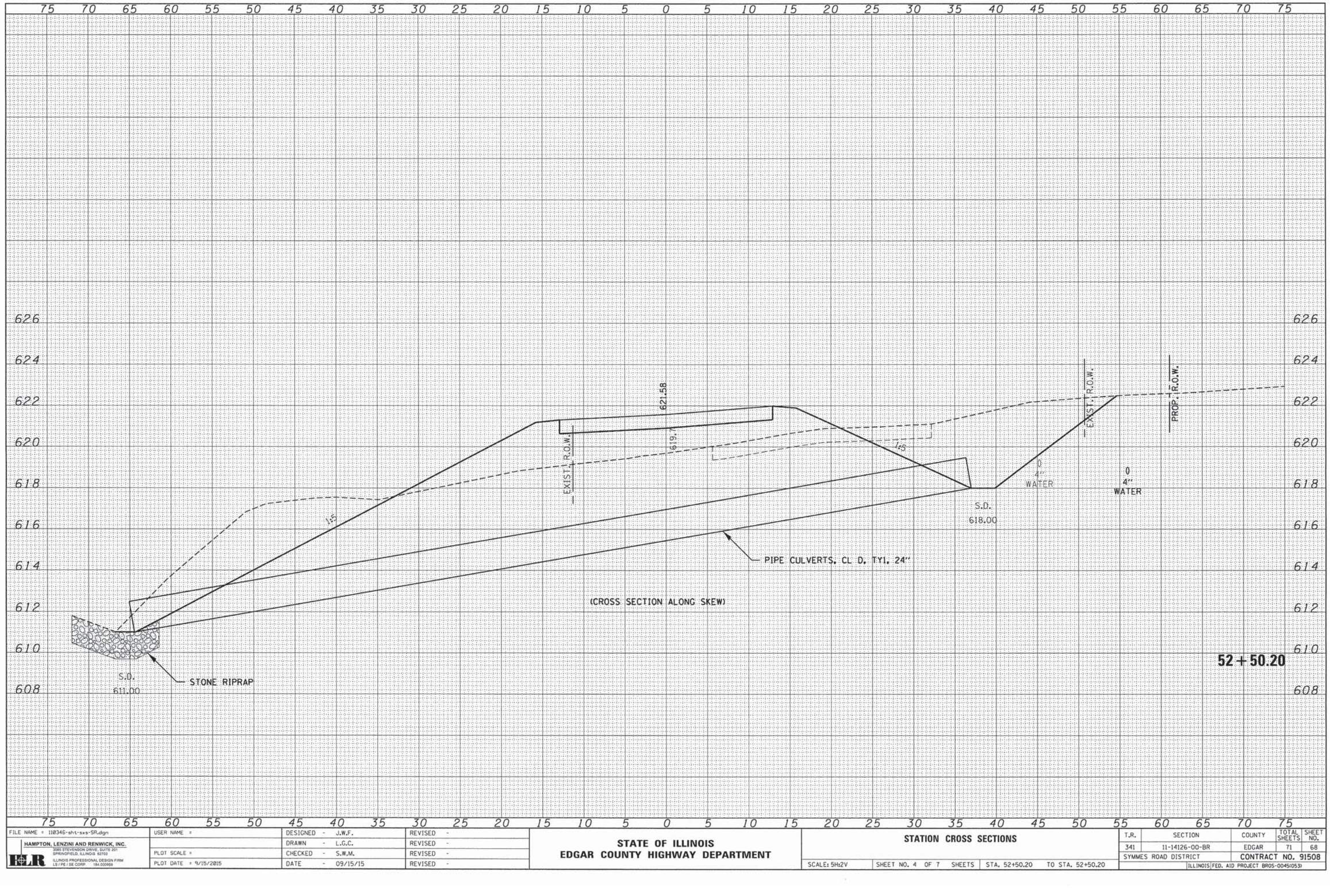
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 3 OF 7 SHEETS | STA. 52+22.61 TO STA. 52+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	11-14126-00-BR	EDGAR	71	67
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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



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

FILE NAME = 110346-sht-sxs-SR.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - L.G.C.	REVISED -
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 4 OF 7 SHEETS | STA. 52+50.20 TO STA. 52+50.20

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	11-14126-00-BR	EDGAR	71	68
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS FED. AID PROJECT BROS-0045(053)				

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

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

622 620 618 616 614 612 610 608 606

C = 92 F = 7

619.41
619.2

EXIST. R.O.W.

PROP. R.O.W.

EXIST. R.O.W.

1:3

1:4

1:3

S.D.
618.56

0
4"
WATER

S.D.
611.00

STONE RIPRAP

52+88.00

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

FILE NAME = 110346-sht-sxs-SR.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -
5085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

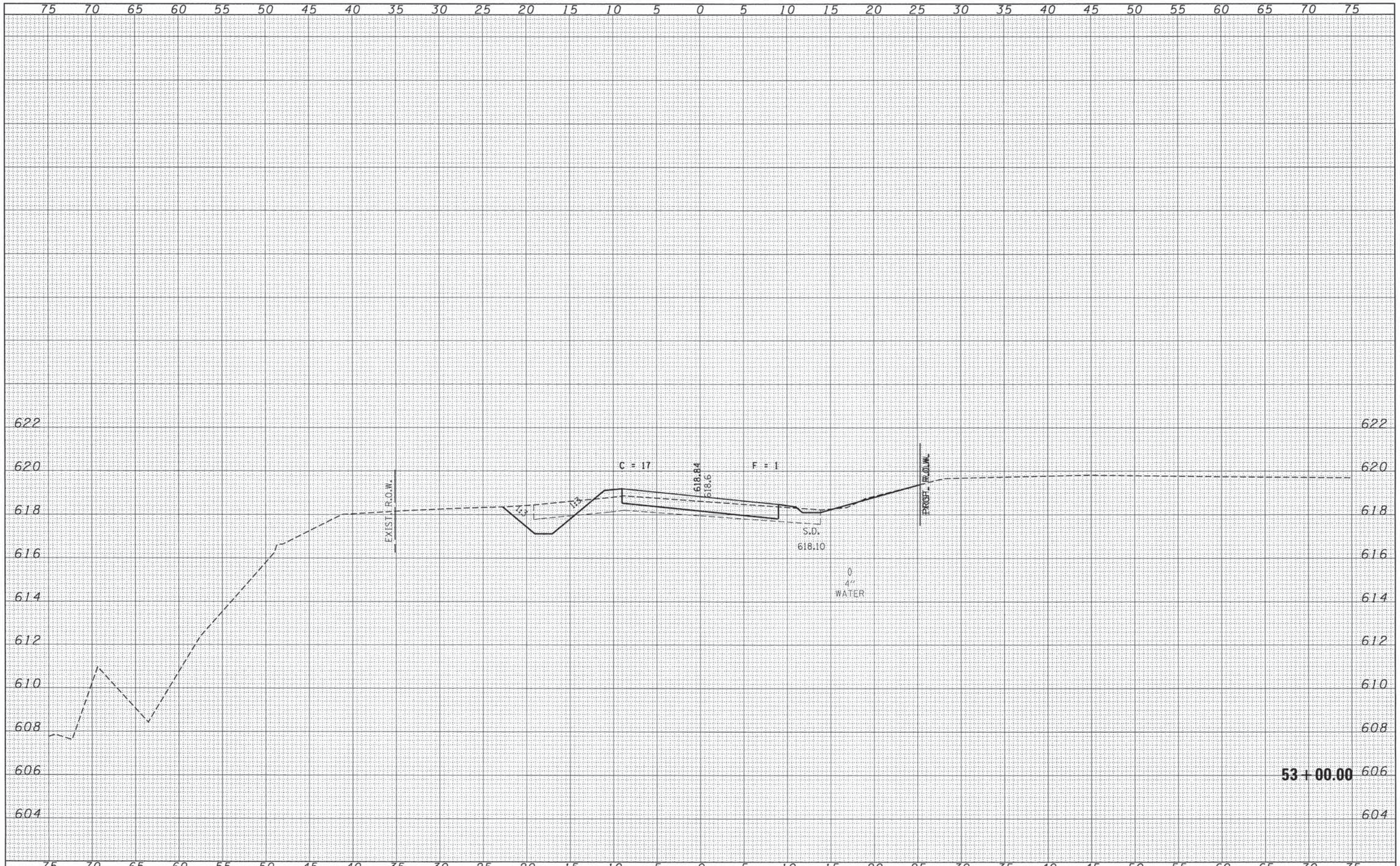
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 5 OF 7 SHEETS | STA. 52+88.00 TO STA. 52+88.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	11-14126-00-BR	EDGAR	71	69
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

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



FILE NAME = 110346-sht-sxs-SR.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - L.G.C.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 6 OF 7 SHEETS | STA. 53+00.00 TO STA. 53+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	11-14126-00-BR	EDGAR	71	70
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			

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

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

53 + 77 END S.R. IMPROVEMENT

AHEAD C = 0 F = 0
BACK C = 12 F = 0

622 620 618 616 614 612 610 608 606 604

C = 15 F = 7

617.05
617.0

1:43 1:3 1:3

EXIST. R.O.W. EXIST. R.O.W.

S.D.
616.20 0
4"
WATER

53 + 50.00

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

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FILE NAME = 110346-sht-sxs-SR.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - L.G.C.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 9/15/2015	DATE - 09/15/15	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 7 OF 7 SHEETS | STA. 53+50.00 TO STA. 53+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	11-14126-00-BR	EDGAR	71	71
SYMMES ROAD DISTRICT		CONTRACT NO. 91508		
ILLINOIS	FED. AID PROJECT BROS-0045(053)			