

06-13-14 LETTING ITEM 181

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM – BRIDGE

PROJECT BROS-0045(049)
SECTION 11-04124-00-BR
EDGAR COUNTY
FARNHAMS CHRISTMAS TREE ROAD
T.R. 275 / 600TH ROAD
PROPOSED STRUCTURE NO. 023-4323
C-95-327-13

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 275	11-04124-00-BR	EDGAR	36	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 91492	

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	SUMMARY OF QUANTITIES AND GENERAL NOTES
3.	TYPICAL CROSS SECTIONS
4-5.	PLAN AND PROFILE
6-16.	BRIDGE PLANS
17.	BORINGS
18-23.	WATER MAIN RELOCATION PLANS
24-36.	STATION CROSS SECTIONS

HIGHWAY STANDARDS:

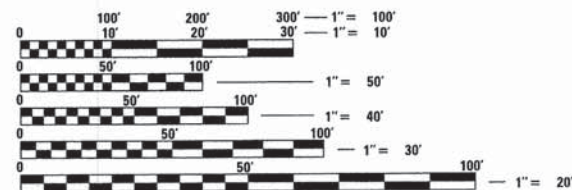
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-03	NAME PLATE FOR BRIDGES
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
701901-03	TRAFFIC CONTROL DEVICES
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

UTILITIES

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

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

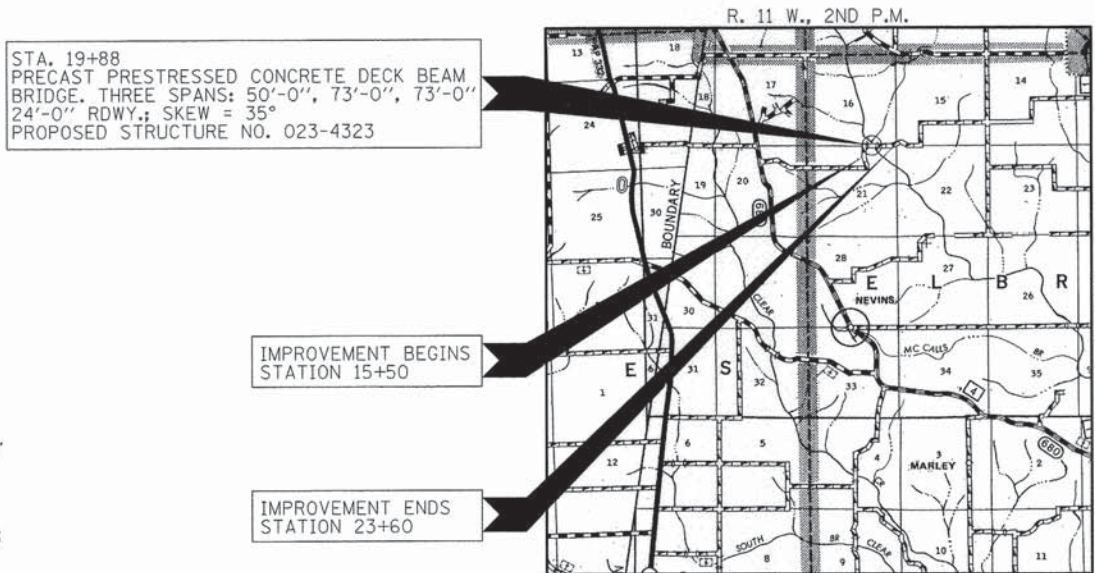
FRONTIER COMMUNICATIONS
1205 S. CENTRAL AVENUE
PARIS, IL 61944
217-463-3129



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



FUNCTIONAL CLASSIFICATION: LOCAL ROAD
DESIGN SPEED: 30 MPH
DESIGN TRAFFIC: 59 ADT (2013)



LOCATION MAP

APPROXIMATE SCALE: 0 1 MILE
NET LENGTH OF SECTION = 810 FEET = 0.153 MILES



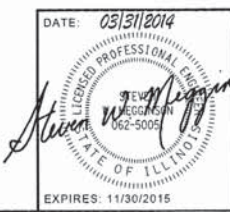
ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED: *[Signature]* 4/2 20 14
COUNTY ENGINEER

APPROVED: *[Signature]* 4/3 20 14
TOWNSHIP COMMISSIONER

PASSED: *[Signature]* 04/10 20 14
DISTRICT FIVE ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review: *[Signature]* April 10 20 14
DEPUTY DIRECTOR OF HIGHWAYS
REGION THREE ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

CONTRACT NO. 91492

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	TOTAL CONSTRUCTION TYPE CODE 0011
20100500	TREE REMOVAL, ACRES	ACRE	0.1
20200100	EARTH EXCAVATION	CU YD	595
20300100	CHANNEL EXCAVATION	CU YD	285
20400800	FURNISHED EXCAVATION	CU YD	1,111
20700110	POROUS GRANULAR EMBANKMENT	TON	130
28000305	TEMPORARY DITCH CHECKS	FOOT	54
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	594
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1
50201102	COFFERDAM (TYPE 1) (LOCATION - 2)	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	99.2
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	4704
50800105	REINFORCEMENT BARS	POUND	7,590
50900205	STEEL RAILING, TYPE S1	FOOT	392
51201600	FURNISHING STEEL PILES HP 12X53	FOOT	865
51202305	DRIVING PILES	FOOT	865
51203600	TEST PILE STEEL HP 12 X 53	EACH	2
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	36
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	60
56100500	WATER MAIN 4"	FOOT	665
67100100	MOBILIZATION	L SUM	1
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.7
X2810208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	1,320
X6650208	WOVEN WIRE FENCE REMOVAL AND REPLACEMENT	FOOT	410
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	120

^ SEE SPECIAL PROVISIONS
* SPECIALTY ITEMS

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. ALL BITUMINOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. PROPER DISPOSAL OF BITUMINOUS MATERIAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE LOCATIONS OF EXISTING WATERMANS, GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR COVERED. CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE AREA TO BE SEEDDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT-OF-WAY AS DIRECTED BY THE ENGINEER. SEEDING WILL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012."
ESTIMATED QUANTITY = SEEDING CLASS 2 (SPECIAL) = 0.7 ACRES
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE SURFACE COURSE	2.05 TON/CU YD
STONE RIPRAP	1.75 TON/CU YD
POROUS GRANULAR EMBANKMENT	2.00 TON/CU YD
- TREES WITHIN THE RIGHT-OF-WAY WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER. ANY TREES ALREADY FELLED SHALL BE MEASURED AND REMOVED AS PER SPECIAL PROVISIONS.

ROADWAY SCHEDULE		
LOCATION	AGGREGATE SURFACE COURSE TYPE B 8"	AGGREGATE SURFACE COURSE TYPE B 6"
	40200800 TON	40200800 TON
T.R. 275 / 600TH ROAD		
CL. STA 15+50.00 TO CL. STA 18+89.09	298	
CL. STA 20+86.92 TO CL. STA 23+60.00	241	
F.E. LT. STA 16+35		18
F.E. LT. STA 23+00		18
F.E. RT. STA 23+00		19
SUBTOTAL	539	55
TOTAL	594	

TEMPORARY DITCH CHECKS 28000305	
LOCATION	FOOT
T.R. 275 / 600TH ROAD	
LT. STA 17+75	15
LT. STA 18+90	15
LT. STA 20+50	12
RT. STA 21+00	12
TOTAL	54

TREE REMOVAL, ACRES 20100500	
LOCATION	ACRE
T.R. 275 / 600TH ROAD	
RT. STA 20+60 TO RT. STA 22+00	0.03
TOTAL	0.03
USE	0.1

EARTHWORK SCHEDULE							
LOCATION	EARTH EXCAVATION 20200100	CHANNEL EXCAVATION 20300100	SHRINKAGE FACTOR	PERCENT USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	CU.YD.	CU.YD.			CU.YD.	CU.YD.	CU.YD.
TR 275 / 600TH ROAD							
STA 15+50 TO STA 18+89.09	198		25.00%	100.00%	149	1020	-871
STA 18+89.09 TO STA 20+86.92		285	25.00%	70.00%	150		150
STA 20+86.92 TO STA 23+60	396		25.00%	100.00%	297	1011	-714
ENTRANCE EMBANKMENT EXCAVATION FROM RIPRAP (685 CU YD)			25.00%	70.00%	360	36	-36
TOTAL	594	285			956	2067	-1111
USE	595	285					1111

FURNISHED EXCAVATION 1111 CU YDS

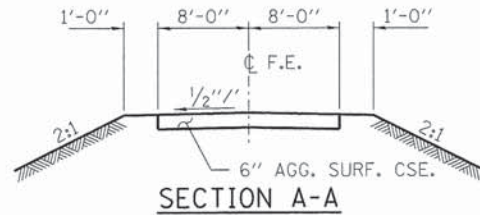
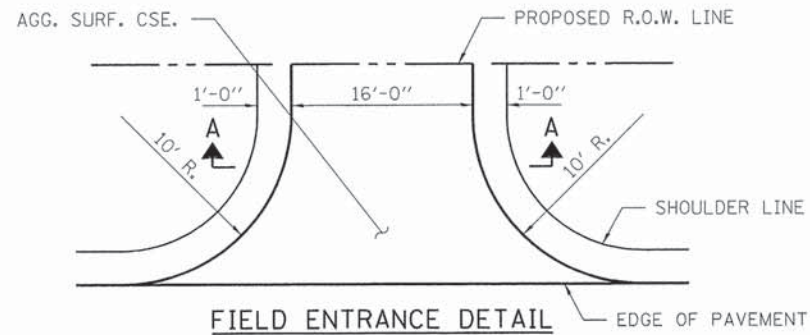
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ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE COMP. 06A-00009	PLOT DATE = 4/8/2014	CHECKED - S.W.M.	REVISED -
		DATE - 03/31/14	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

SUMMARY OF QUANTITIES AND GENERAL NOTES

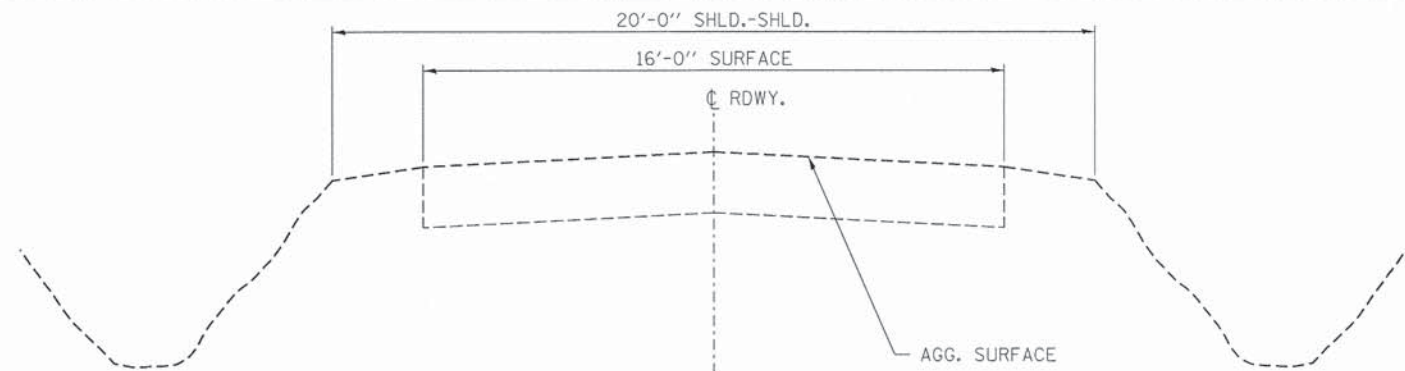
SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	2
ELBRIDGE ROAD DISTRICT		CONTRACT NO. 91492		
ILLINOIS FED. AID PROJECT BROS-00451049				

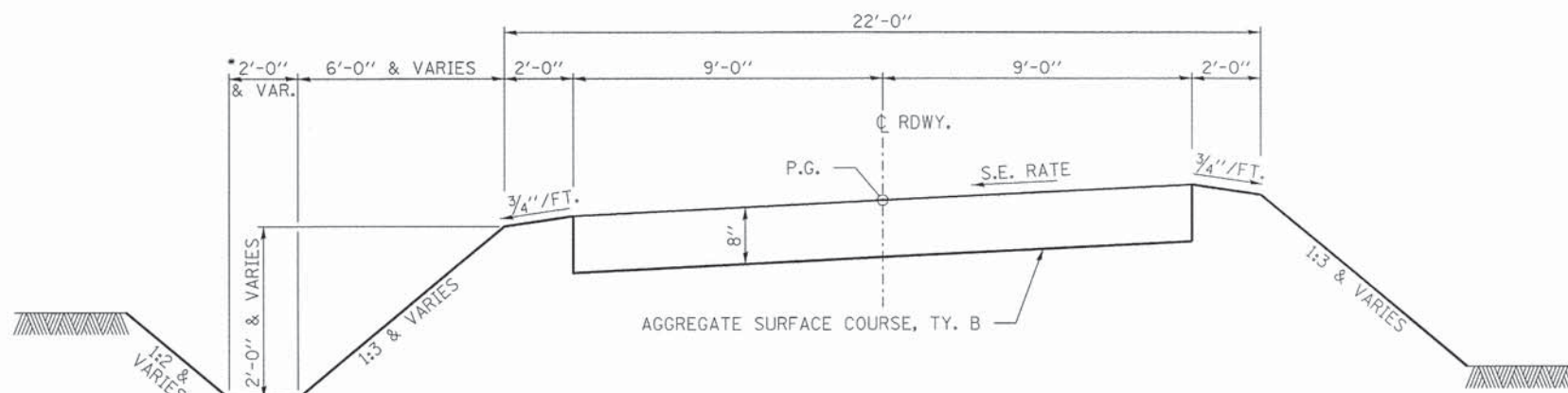


HORIZONTAL ALIGNMENT		
LOCATION	NORTHING	EASTING
P.C. STA 12+75.99	1,055,586.60	1,180,735.57
P.I. STA 13+87.38	1,055,696.84	1,180,719.59
P.T. STA 14+58.39	1,055,726.16	1,180,827.06
P.C. STA 15+61.51	1,055,753.30	1,180,926.54
P.I. STA 16+85.84	1,055,786.02	1,181,046.49
P.T. STA 18+02.90	1,055,746.37	1,181,164.33
P.C. STA 19+01.01	1,055,715.08	1,181,257.35
P.I. STA 21+98.54	1,055,707.58	1,181,555.05
P.T. STA 19+75.12	1,055,703.78	1,181,330.20
P.C. STA 29+55.86	1,055,718.50	1,182,310.82
P.I. STA 30+88.37	1,055,720.05	1,182,445.04
P.T. STA 32+17.47	1,055,791.59	1,182,558.57

* 4' BOTTOM DITCH FROM
LT. STA. 20+50 TO 22+50



EXISTING CROSS SECTION
STA. 15+50 TO STA. 23+60



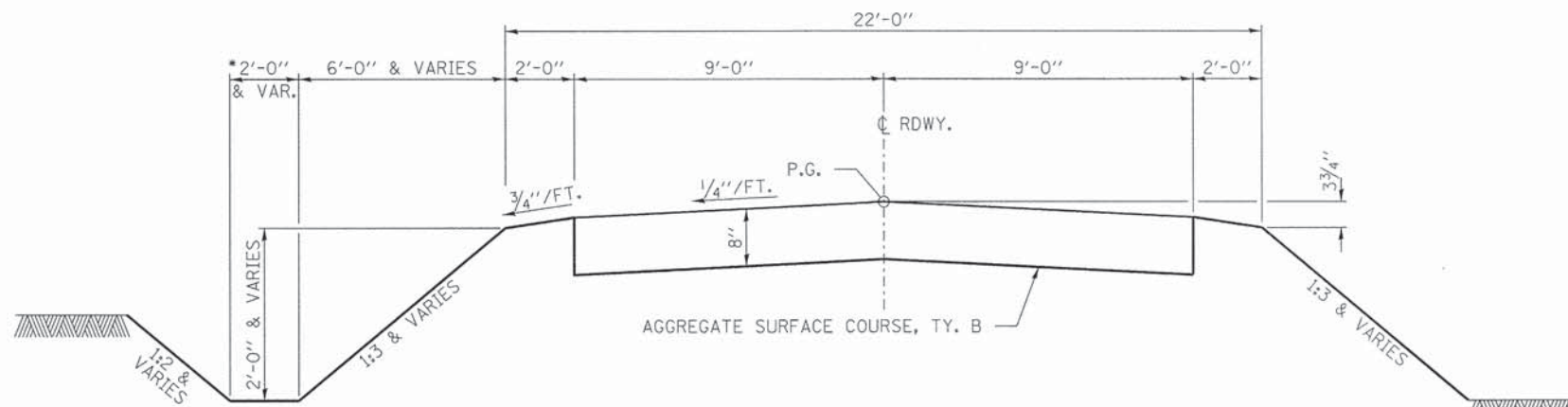
PROPOSED TYPICAL CROSS SECTION

STA. 16+22 TO 17+47.81
STA. 21+48.42 TO 22+48.42

TRANSITIONS FROM THE PROPOSED ROADWAY TO THE EXISTING ROADWAY ARE TO BE CONSTRUCTED FROM STA. 15+50 TO 16+50 AND STA. 22+60 TO 23+60. SEE SHEET 19 FOR TRANSITION AT BRIDGE.

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS



PROPOSED TYPICAL CROSS SECTION

STA. 15+50 TO 16+22
STA. 17+47.81 TO 18+89.09
STA. 20+86.92 TO 21+48.42
STA. 22+48.42 TO 23+60

TRANSITIONS FROM THE PROPOSED ROADWAY TO THE EXISTING ROADWAY ARE TO BE CONSTRUCTED FROM STA. 15+50 TO 16+50 AND STA. 22+60 TO 23+60. SEE SHEET 19 FOR TRANSITION AT BRIDGE.

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

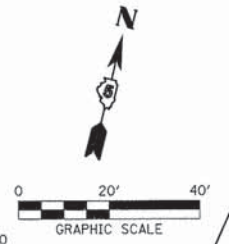
SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

EXIST. CURVE DATA
 PI STA. = 13+87.38
 $\Delta = 82^\circ 59' 25''$ (RT)
 $D = 45^\circ 29' 53''$
 $R = 125.93'$
 $T = 111.39'$
 $L = 182.40'$
 $E = 42.20'$

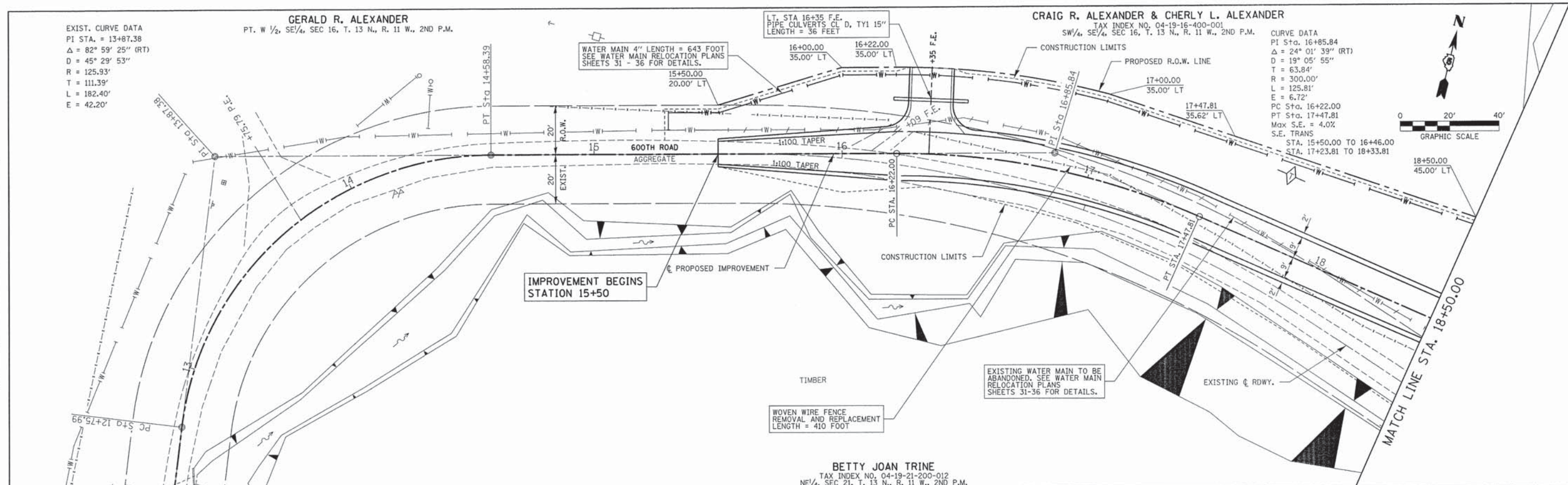
GERALD R. ALEXANDER
 PT. W 1/2, SE 1/4, SEC 16, T. 13 N., R. 11 W., 2ND P.M.

CRAIG R. ALEXANDER & CHERLY L. ALEXANDER
 TAX INDEX NO. 04-19-16-400-001
 SW 1/4, SE 1/4, SEC 16, T. 13 N., R. 11 W., 2ND P.M.

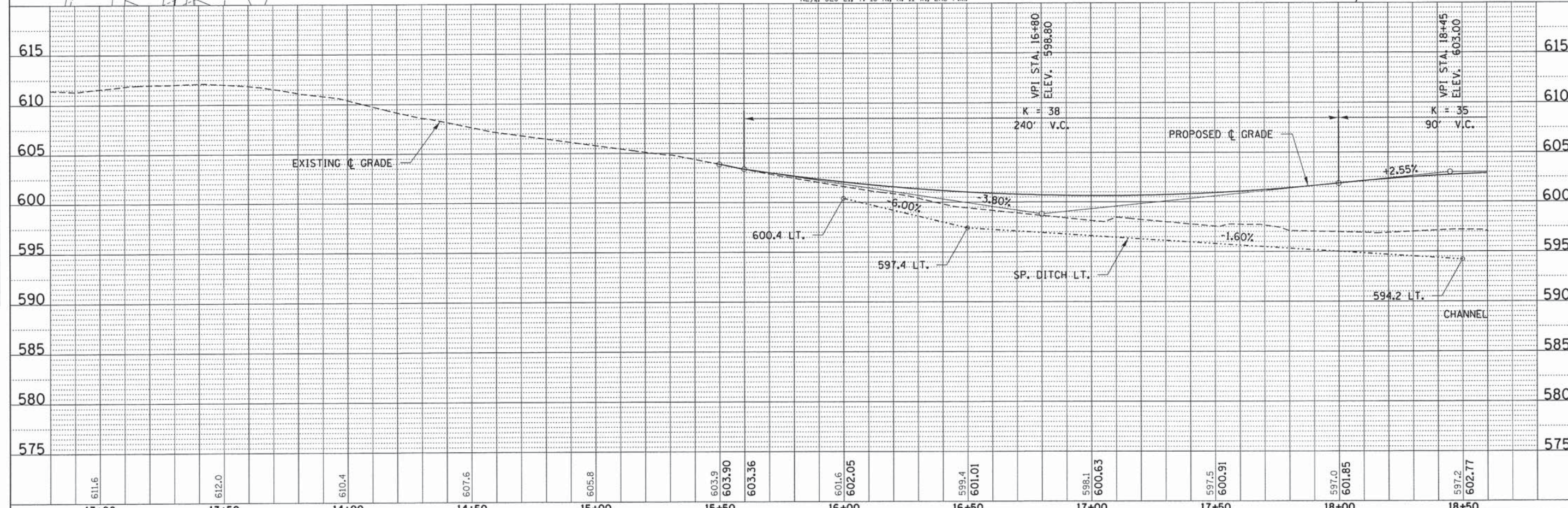
CURVE DATA
 PI Sta. 16+85.84
 $\Delta = 24^\circ 01' 39''$ (RT)
 $D = 19^\circ 05' 55''$
 $T = 63.84'$
 $R = 300.00'$
 $L = 125.81'$
 $E = 6.72'$
 PC Sta. 16+22.00
 PT Sta. 17+47.81
 Max S.E. = 4.0%
 S.E. TRANS
 STA. 15+50.00 TO 16+46.00
 STA. 17+23.81 TO 18+33.81



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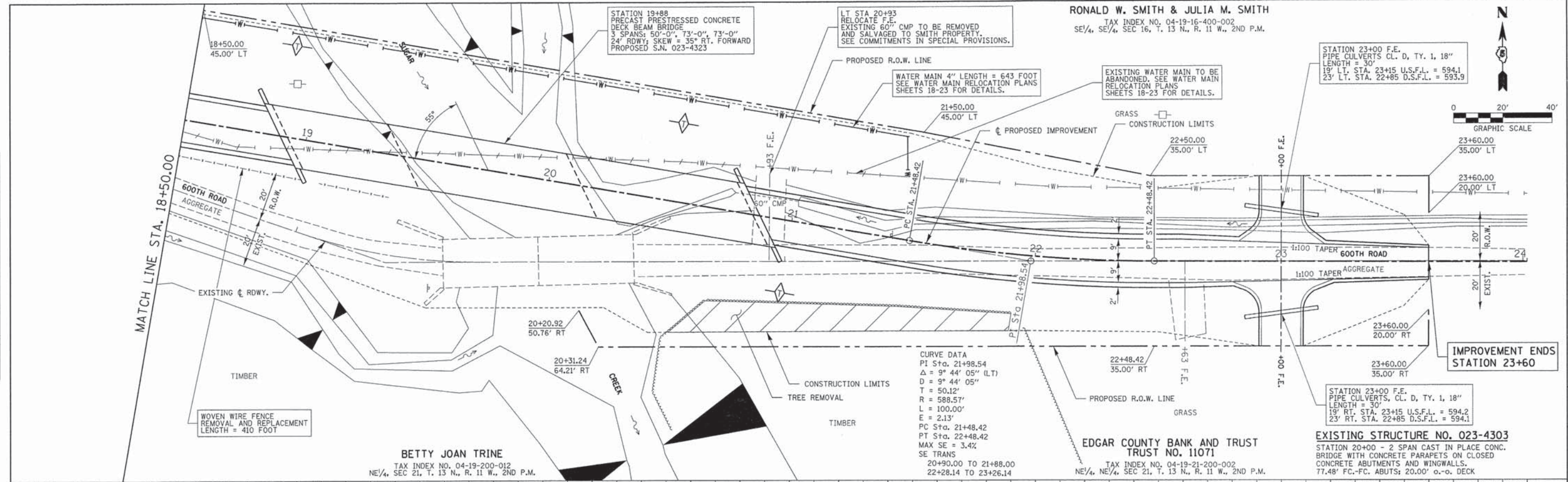
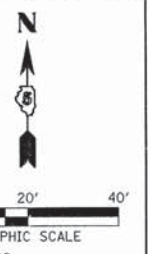


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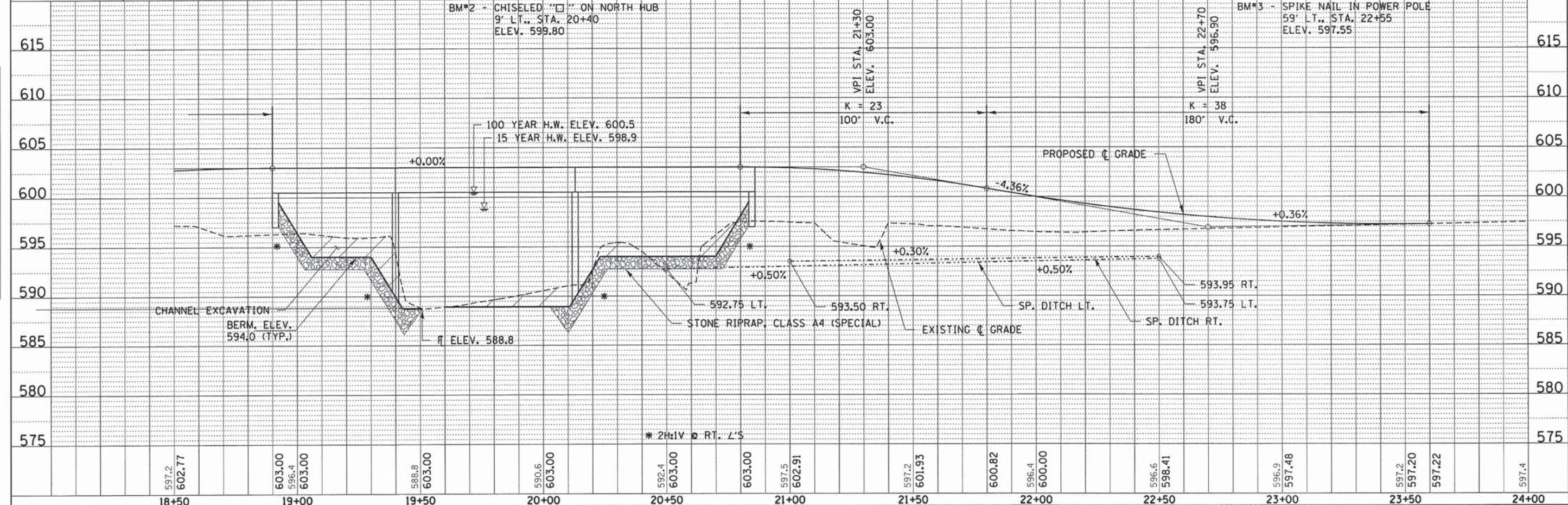
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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -		275	11-04124-00-BR	EDGAR	36	4			
3895 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L3 / P8 / SE CORP. 184.000999	PLOT SCALE =	CHECKED - S.W.M.	REVISED -		SCALE: 20H:5V	SHEET NO. 1 OF 2 SHEETS	STA. 13+00.00 TO STA. 18+50.00	ELBRIDGE ROAD DISTRICT		CONTRACT NO. 91492	ILLINOIS FED. AID PROJECT BROS-00450499	
	PLOT DATE = 3/31/2014	DATE - 03/31/14	REVISED -									

RONALD W. SMITH & JULIA M. SMITH
TAX INDEX NO. 04-19-16-400-002
SE 1/4, SE 1/4, SEC 16, T. 13 N., R. 11 W., 2ND P.M.



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PLAN	
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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -		275	11-04124-00-BR	EDGAR	36	5			
3045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62769 ILLINOIS PROFESSIONAL DESIGN FIRM L8 / PE / SE CORP 184.000989		CHECKED - S.W.M.	REVISED -		ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492				
		DATE - 03/31/14	REVISED -		ILLINOIS FED. AID PROJECT BROS-004510491							

BENCHMARK: Chiseled "□" on North HUB 9' Lt., Sta. 20+40 Elev. 599.80

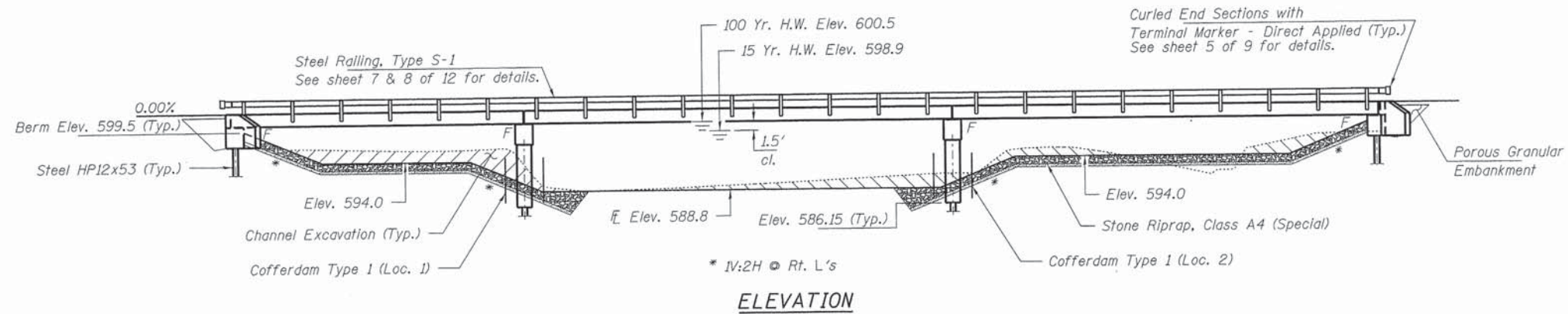
EXISTING STRUCTURE NO. 023-4303 2 Span Cast-in-Place concrete bridge with concrete parapets on closed concrete abutments and solid wall pier. 77.48' Fc.-Fc. Abuts; 20.00' o-o deck.

Structure closed to traffic during construction.

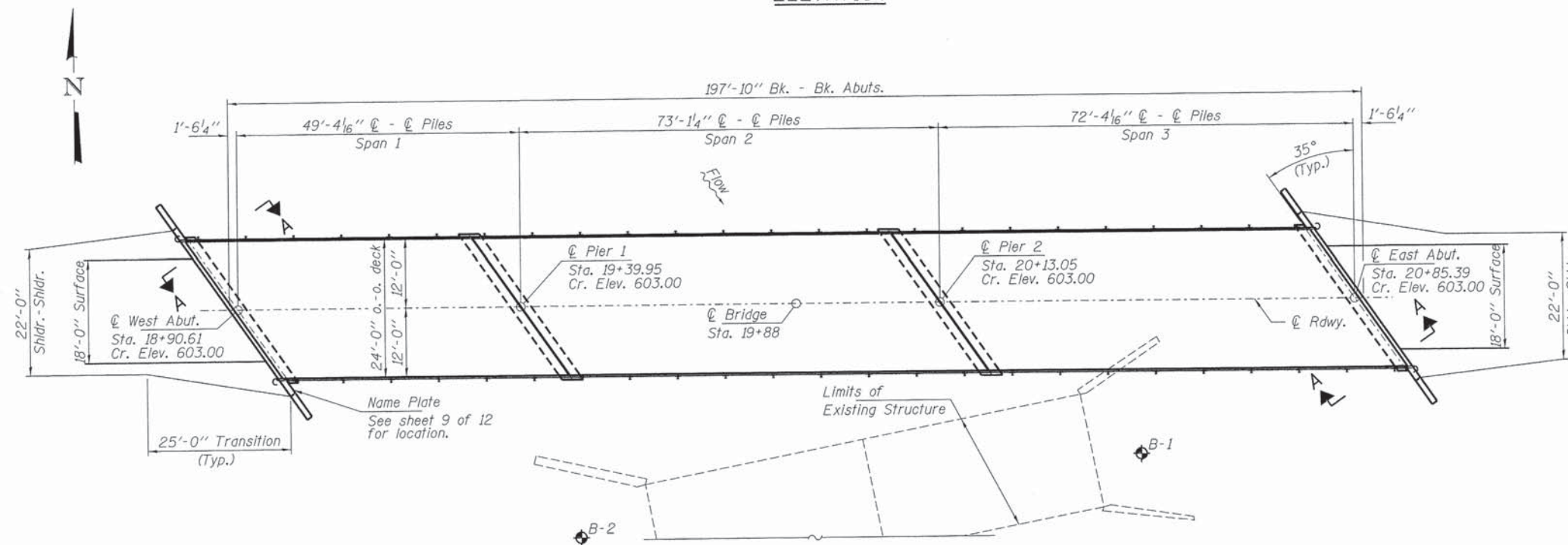
No Salvage of Structure.

GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer. The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at East Abutment and at Pier 1 or approved by the Engineer before ordering the remainder of piles. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. Excavation required to construct the Abutments and Piers shall be included in the cost of Concrete Structures. No additional compensation will be allowed for Structure Excavation or Cofferdam Excavation. All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.



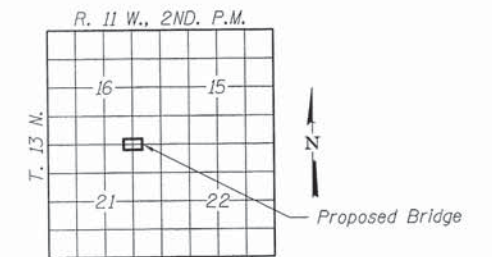
ELEVATION



PLAN

INDEX OF STRUCTURE SHEETS

1. General Plan & Elevation
2. Riprap Layout
3. 27"x48" PPC Deck Beam - Span 1
4. 27"x48" PPC Deck Beam Details - Span 1
5. 27"x48" PPC Deck Beam - Spans 2 & 3
6. 27"x48" PPC Deck Beam Details - Spans 2 & 3
7. Superstructure Details
8. Steel Railing, Type S-1
9. Abutments
10. Piers
11. HP Pile Details
12. Borings



LOCATION SKETCH

SUGAR CREEK
BUILT 20L BY
EDGAR COUNTY
SEC. 11-04124-00-BR
ELBRIDGE ROAD DISTRICT
STR. NO. 023-4323
LOADING HL-93

NAME PLATE
See Std. 515001

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition with all applicable Interims.

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

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

PRECAST PRESTRESSED UNITS

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

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.114g
Design Spectral Acceleration at 0.2 sec. (SDs) = 0.239g
Soil Site Class = C

WATERWAY INFORMATION

		Existing Low Grade Elev. 596.4 @ Sta. 22+00		Proposed Low Grade Elev. 600.0 @ Sta. 23+00	
Drainage Area = 40.8 Sq. Mi.					
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist. Prop.	Natural H.W.E. Exist. Prop.	Headwater El. Exist. Prop.
Overtop	10	4300	470 850	598.47 0.35 850	598.82 599.34
Design	15	4900	480 910	598.85 0.39 1.00	599.24 599.85
Base	100	7970	480 1150	600.50 0.40 0.61	600.90 601.11
Max. Calc.	500	10800	480 1150	601.74 0.36 0.36	602.10 602.10

10 Year Velocity through Existing Bridge = 9.1 fps 10 Year Velocity through Proposed Bridge = 5.1 fps

Design Scour Elevations (ft.)				
	W. Abut.	Pier 1	Pier 2	E. Abut.
Q100	596.9	583.2	583.2	596.9

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

Steven W. Megginson 03/31/2014
ILLINOIS STRUCTURAL ENGINEER NO. 081-6064



Expires 11-30-2016

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			285
Stone Riprap, Class A4 (Special)	Ton			1,320
Removal of Existing Structures	Each			1
Cofferdam, Type 1 (Location-1)	Each			1
Cofferdam, Type 1 (Location-2)	Each			1
Concrete Structures	Cu. Yd.		99.2	99.2
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	4,704		4,704
Reinforcement Bars	Pound		7,590	7,590
Steel Railing, Type S-1	Foot	392		392
Furnishing Steel Piles HP12x53	Foot		865	865
Driving Piles	Foot		865	865
Test Pile Steel HP 12x53	Each		2	2
Name Plates	Each		1	1
Porous Granular Embankment	Ton		130	130
Pipe Underdrains for Structures 4"	Foot		120	120

FILE NAME = 128218-shl-bridge.dgn	USER NAME =	DESIGNED - C.C.S	REVISED -
		CHECKED - L.A.P.	REVISED -
		DRAWN - R.D.H.	REVISED -
		CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

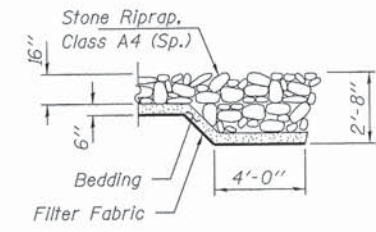
GENERAL PLAN & ELEVATION
STRUCTURE NO. 023-4323

SHEET NO. 1 OF 12 SHEETS

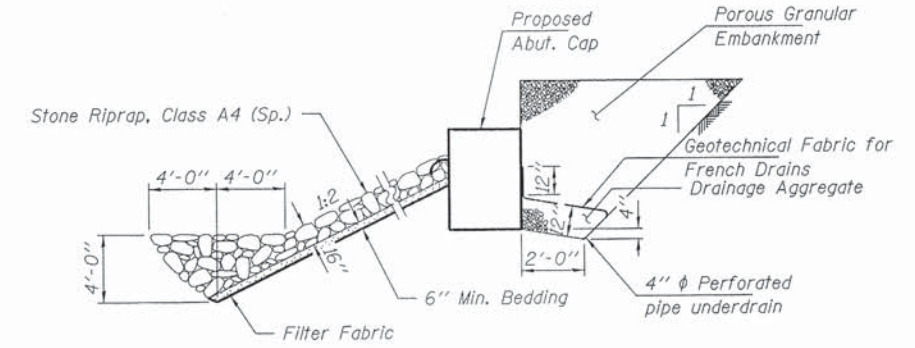
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	6
ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492	
ILLINOIS FED. AID PROJECT BR05-0045(049)				



PLLOT SCALE =
PLLOT DATE = 3/31/2014

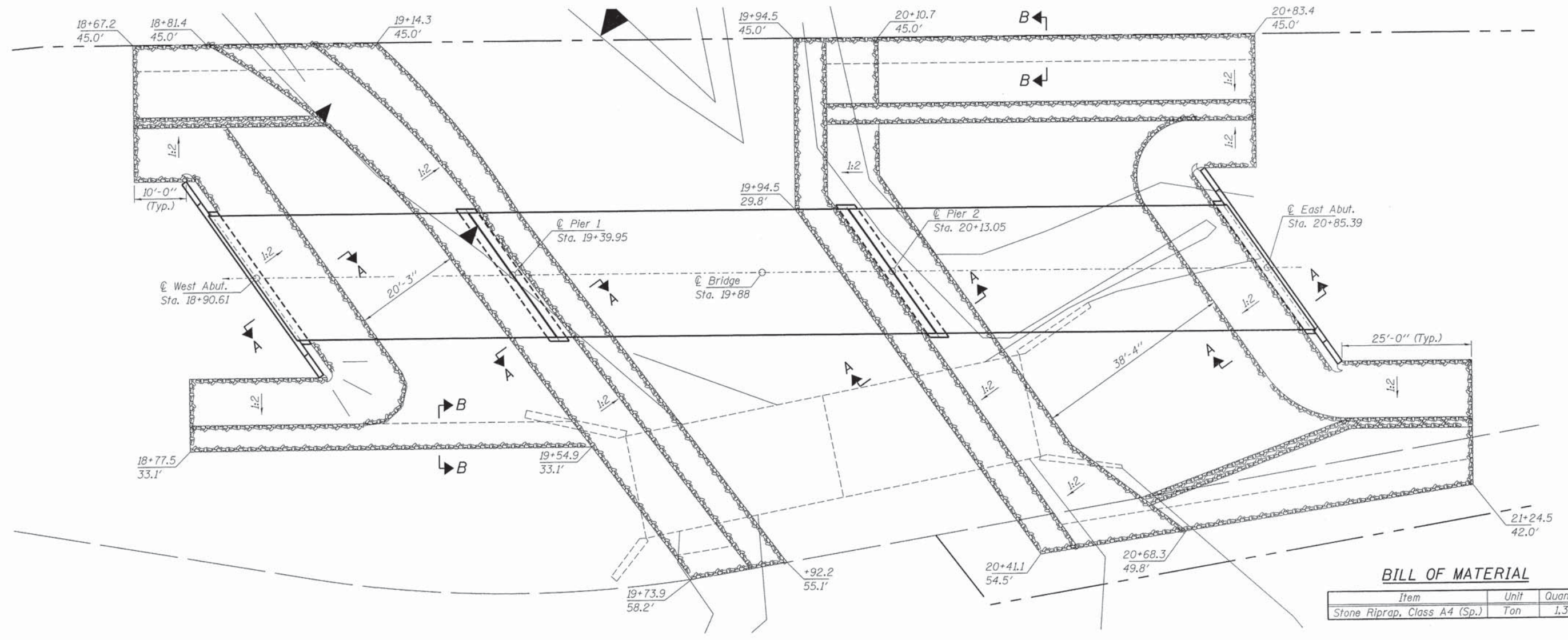


SECTION B-B



SECTION A-A

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

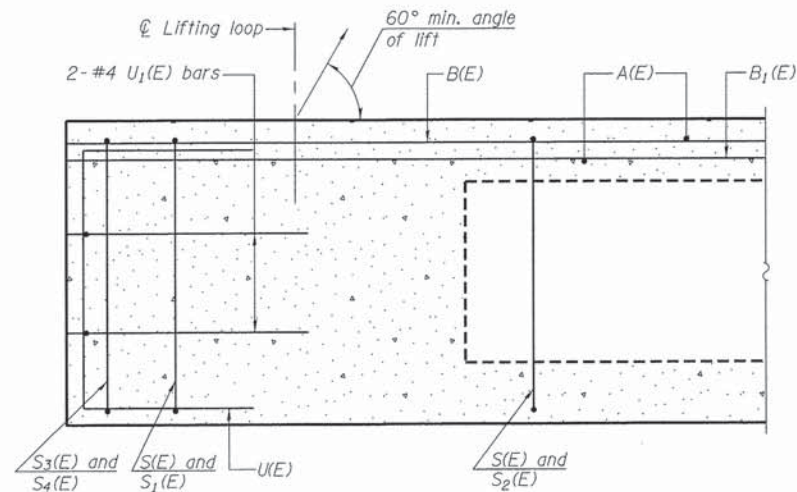


PLAN

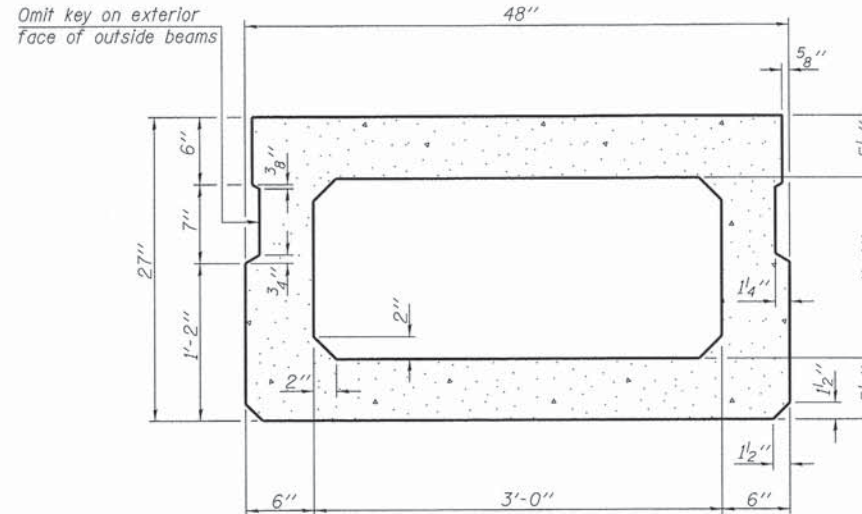
BILL OF MATERIAL

Item	Unit	Quantity
Stone Riprap, Class A4 (Sp.)	Ton	1,320

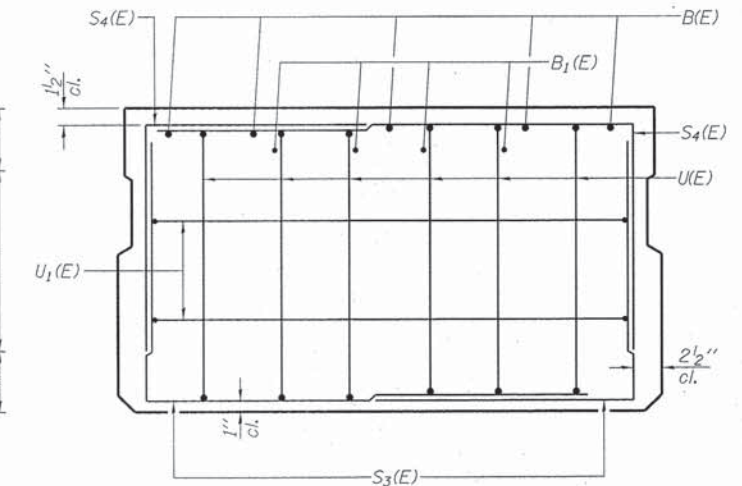
FILE NAME = 120218-shr-bridge.dgn	USER NAME =	DESIGNED - C.C.S	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	RIPRAP LAYOUT STRUCTURE NO. 023-4323	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 2005 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-000989	PLOT SCALE =	CHECKED - L.A.P.	REVISED -			275	11-04124-00-BR	EDGAR	36	7
PLOT DATE = 3/31/2014	DRAWN - R.D.H.	REVISED -	REVISED -			ELBRIDGE ROAD DISTRICT		CONTRACT NO. 91492		ILLINOIS FED. AID PROJECT BROS-004510491
	CHECKED - S.W.M.	REVISED -	REVISED -			SHEET NO. 2 OF 12 SHEETS				



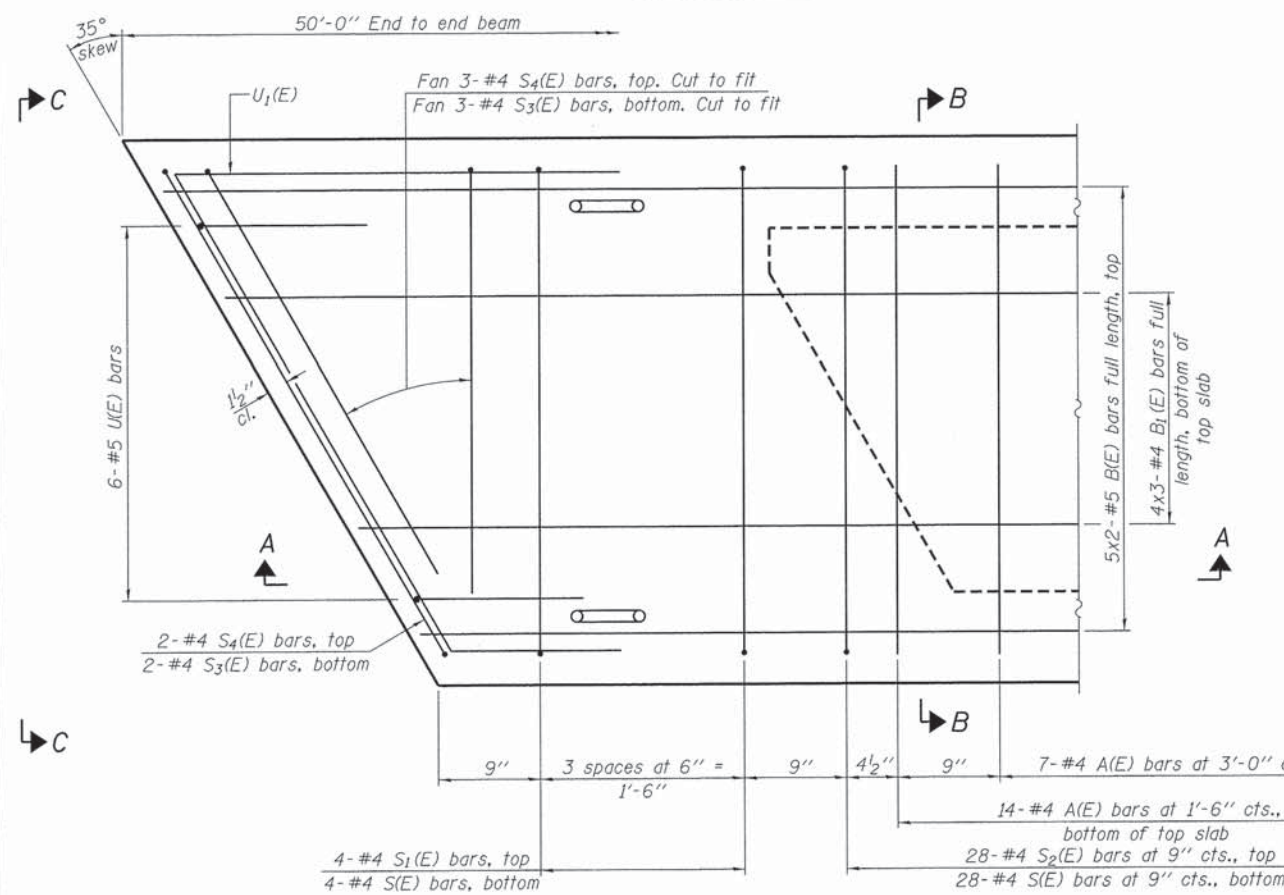
SECTION A-A



SECTION B-B
(Showing dimensions)

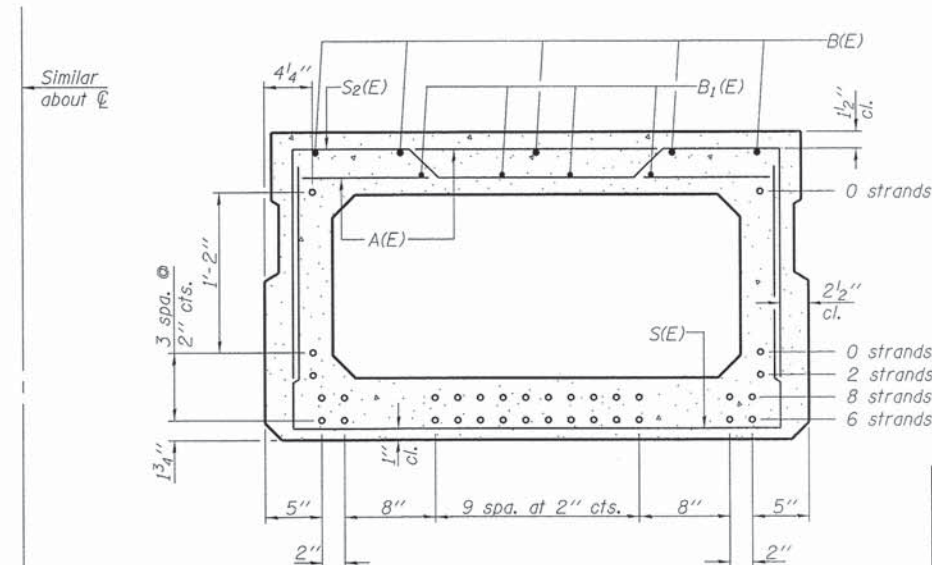


VIEW C-C



PLAN VIEW

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



SECTION B-B

(Showing reinforcement and permissible strand locations)
Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	44	#4	3'-7"	—
B(E)	10	#5	26'-2"	—
B1(E)	12	#4	17'-11"	—
S(E)	65	#4	7'-5"	U
S1(E)	8	#4	6'-11"	U
S2(E)	57	#4	7'-2"	U
S3(E)	10	#4	5'-0"	U
S4(E)	10	#4	4'-9"	U
U(E)	12	#5	4'-6"	U
U1(E)	4	#4	9'-3"	U

Note: See sheet 4 & 7 of 12 for additional details and Bill of Material.

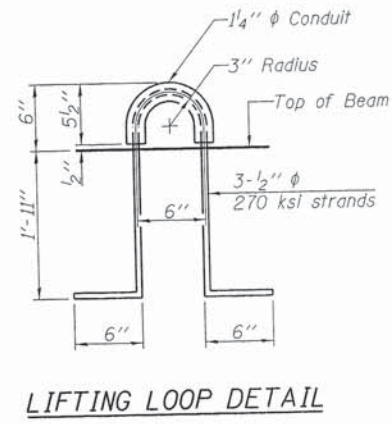
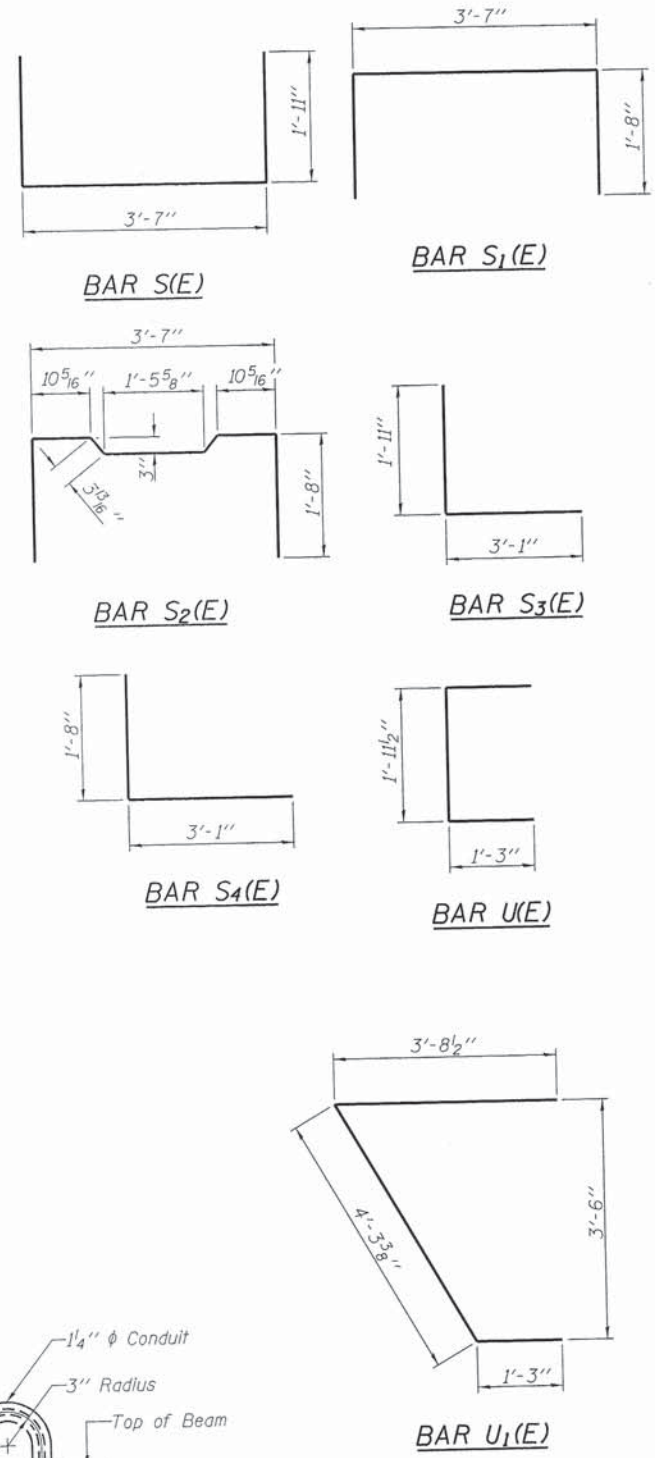
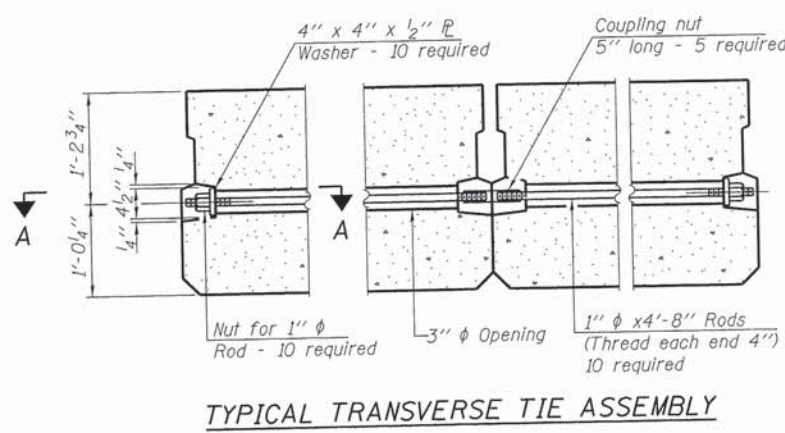
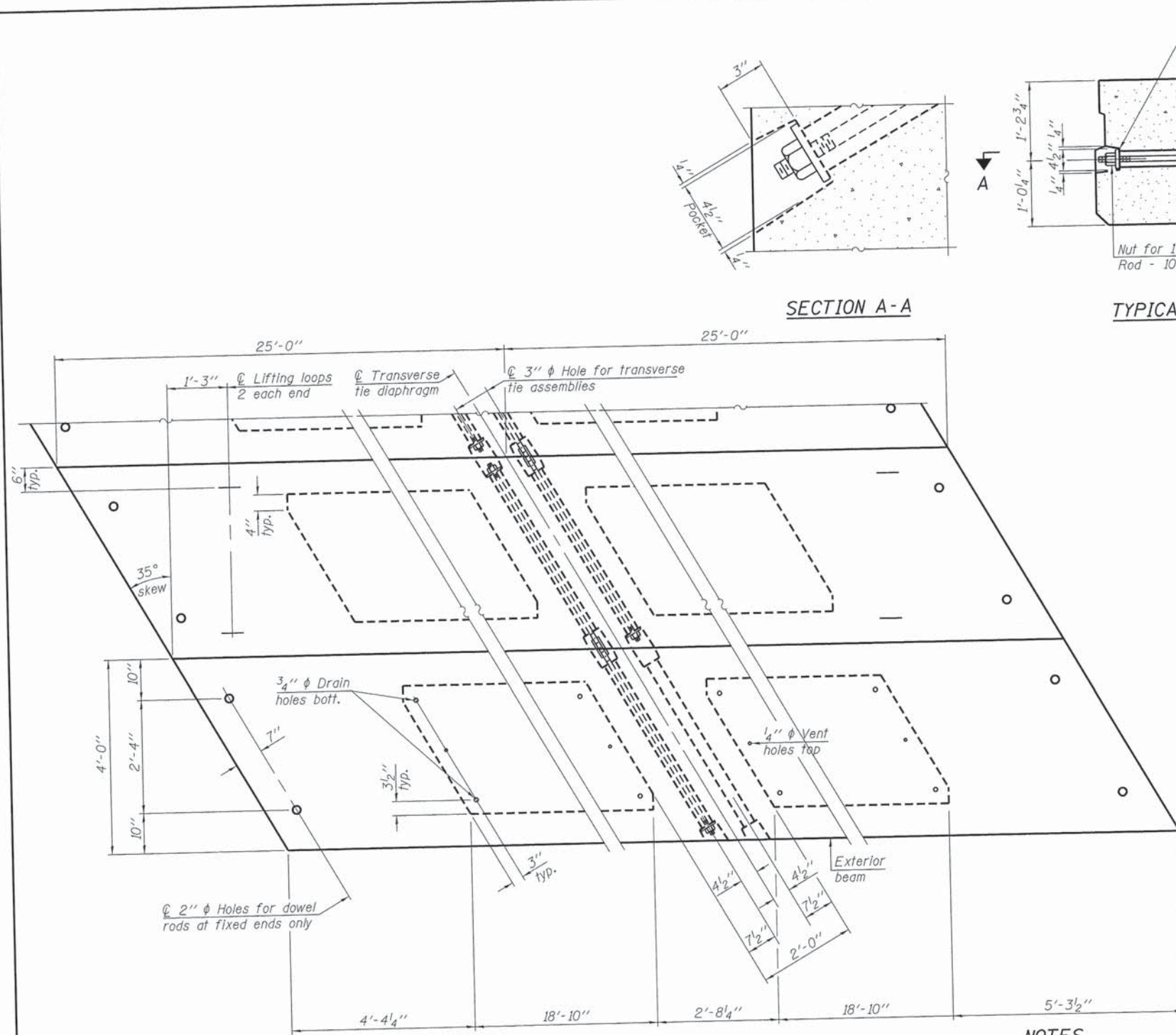
MINIMUM BAR LAP

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

PD-2748-R

7-1-10

FILE NAME = 120218-sht-bridge.dgn	USER NAME =	DESIGNED - C.C.S	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	27" x 48" PPC DECK BEAM - SPAN 1 STRUCTURE NO. 023-4323	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3083 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - L.A.P.	REVISED -			275	11-04124-00-BR	EDGAR	36	8	
ELBRIDGE ROAD DISTRICT	PLOT DATE = 3/31/2014	DRAWN - R.D.H.	REVISED -			SHEET NO. 3 OF 12 SHEETS		CONTRACT NO. 91492		ILLINOIS FED. AID PROJECT BR05-00450491	
ELBRIDGE ROAD DISTRICT		CHECKED - S.W.M.	REVISED -								



NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" diameter rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions). Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

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

Reinforcement bars designated (E) shall be epoxy coated.

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

PD-2748-RD 7-1-10
 FILE NAME = 128218-shr-bridge.dgn
 USER NAME =
 HAMPTON, LENZINI AND RENWICK, INC.
 3085 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 L.S./P.E./S.E. CORP. 184-000889

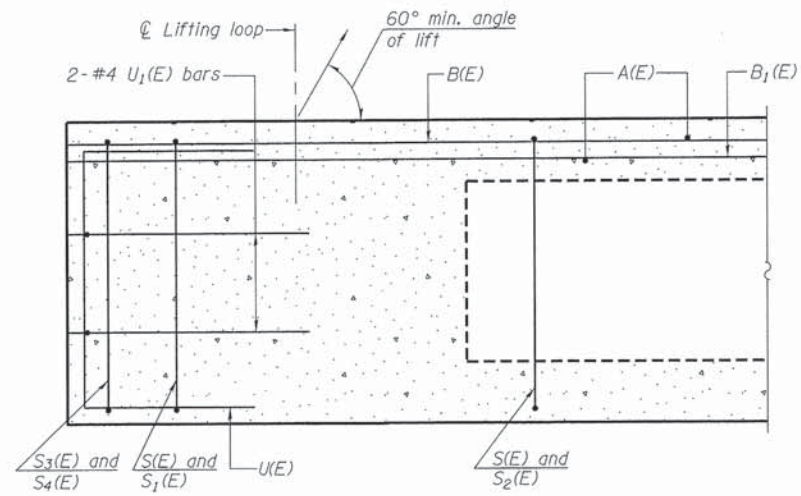
DESIGNED - C.C.S	REVISED -
CHECKED - L.A.P.	REVISED -
DRAWN - R.D.H.	REVISED -
CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
 EDGAR COUNTY HIGHWAY DEPARTMENT

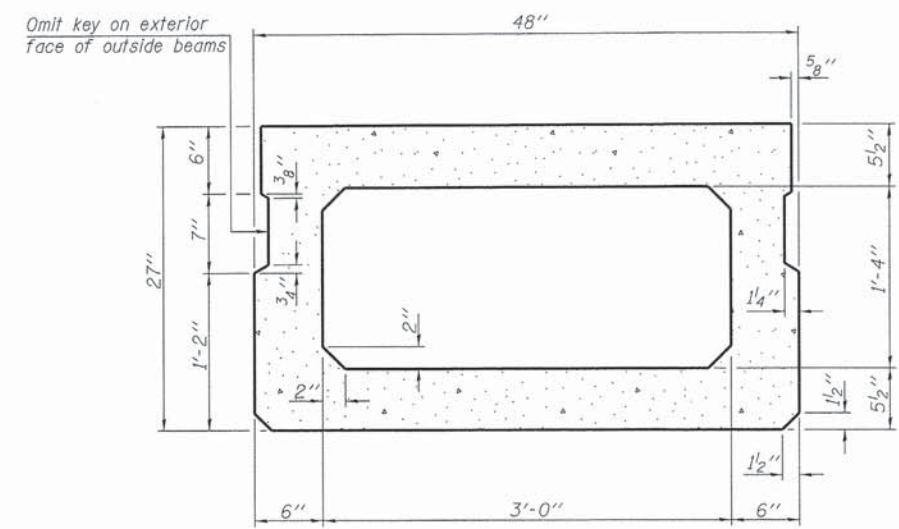
27" x 48" PPC DECK BEAM DETAILS - SPAN 1
 STRUCTURE NO. 023-4323
 SHEET NO. 4 OF 12 SHEETS

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	1,200
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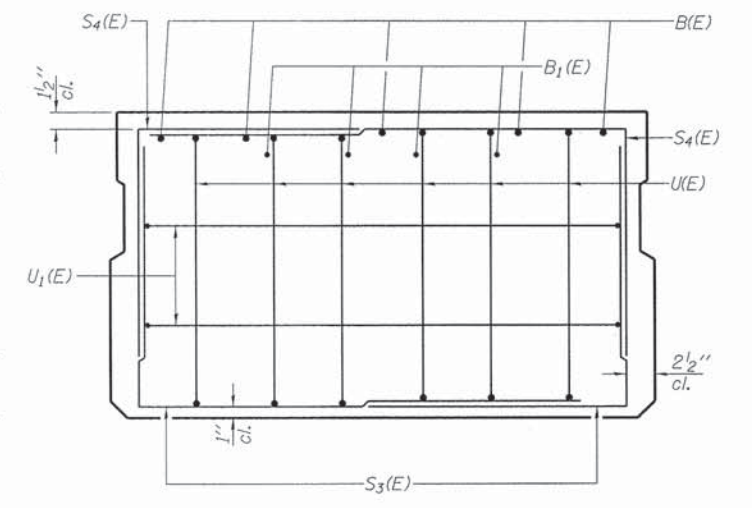
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	9
ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492	
ILLINOIS FED. AID PROJECT BROS-0045(049)				



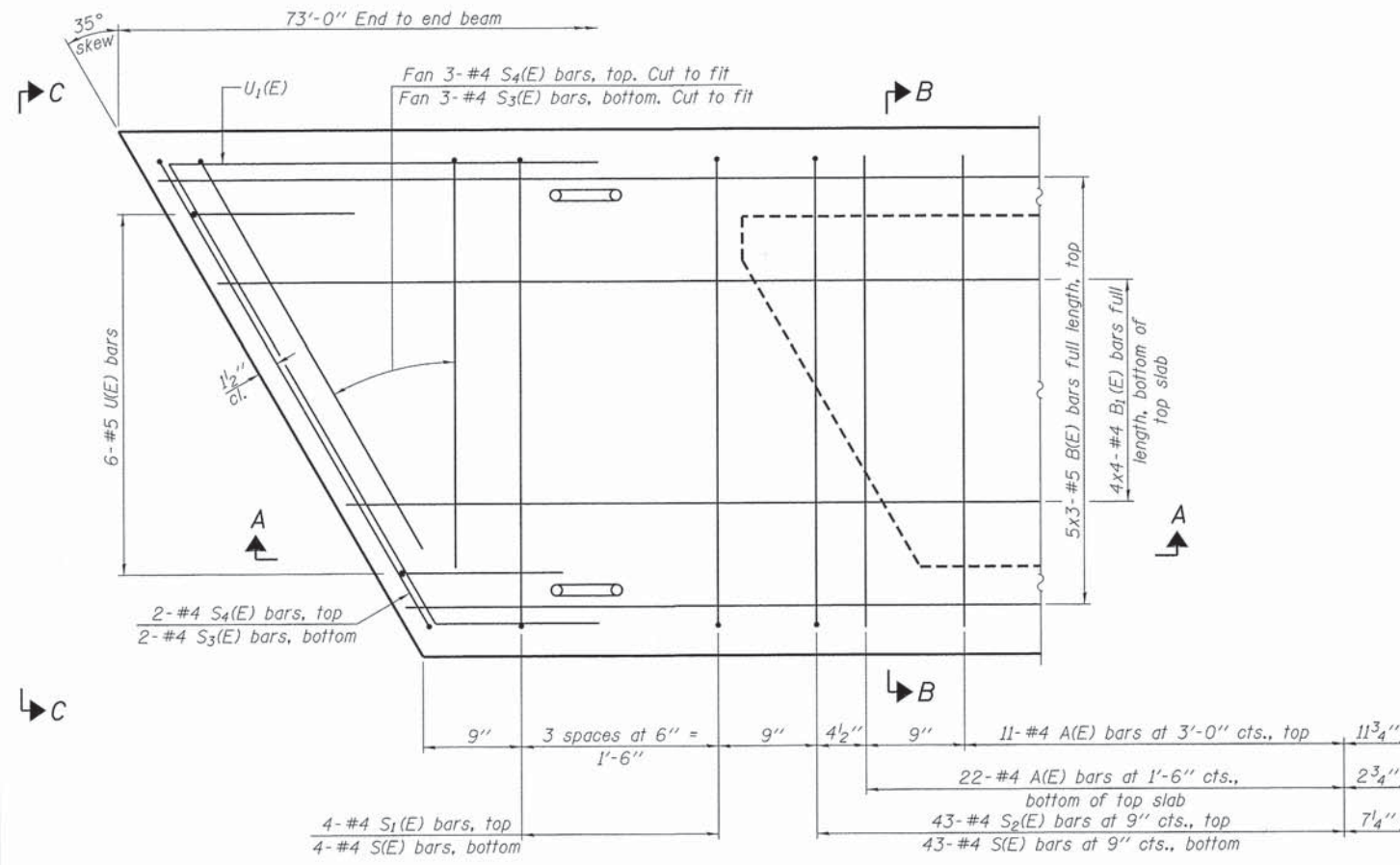
SECTION A-A



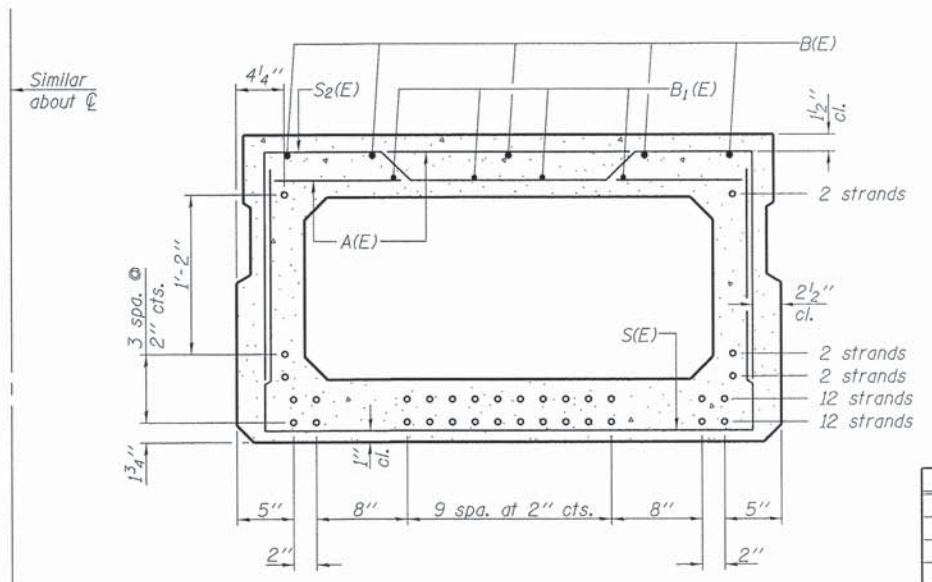
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



SECTION B-B

(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	66	#4	3'-7"	—
B(E)	15	#5	25'-11"	—
B1(E)	16	#4	19'-8"	—
S(E)	95	#4	7'-5"	U
S1(E)	8	#4	6'-11"	J
S2(E)	87	#4	7'-2"	J
S3(E)	10	#4	5'-0"	J
S4(E)	10	#4	4'-9"	J
U(E)	12	#5	4'-6"	C
U1(E)	4	#4	9'-3"	C

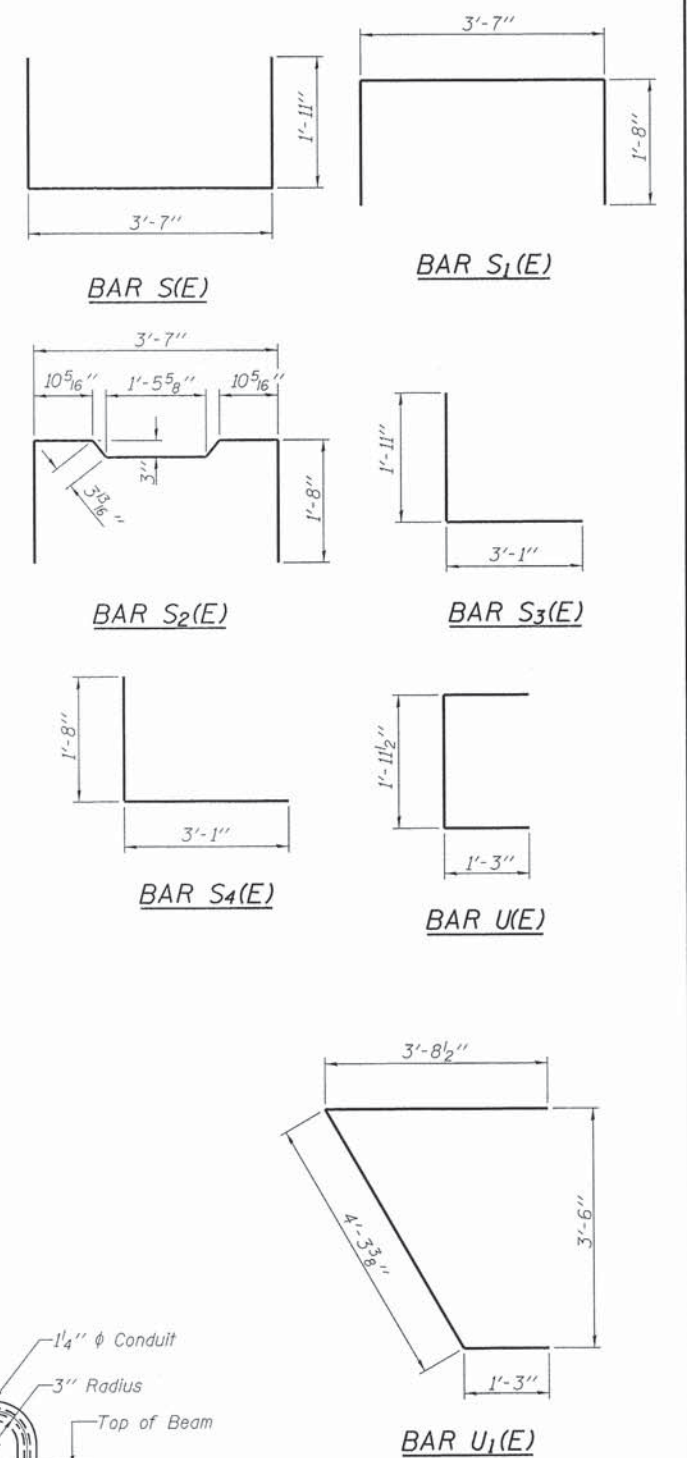
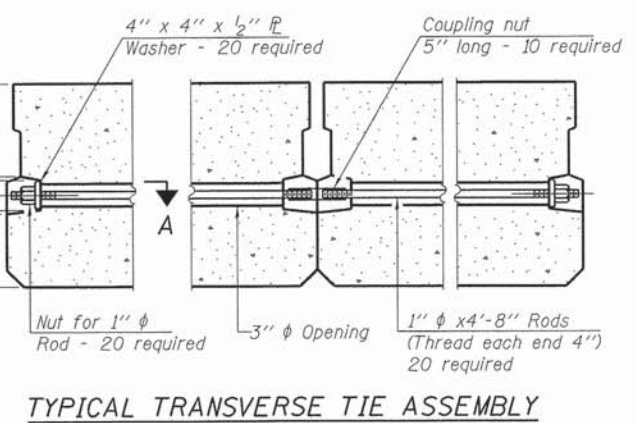
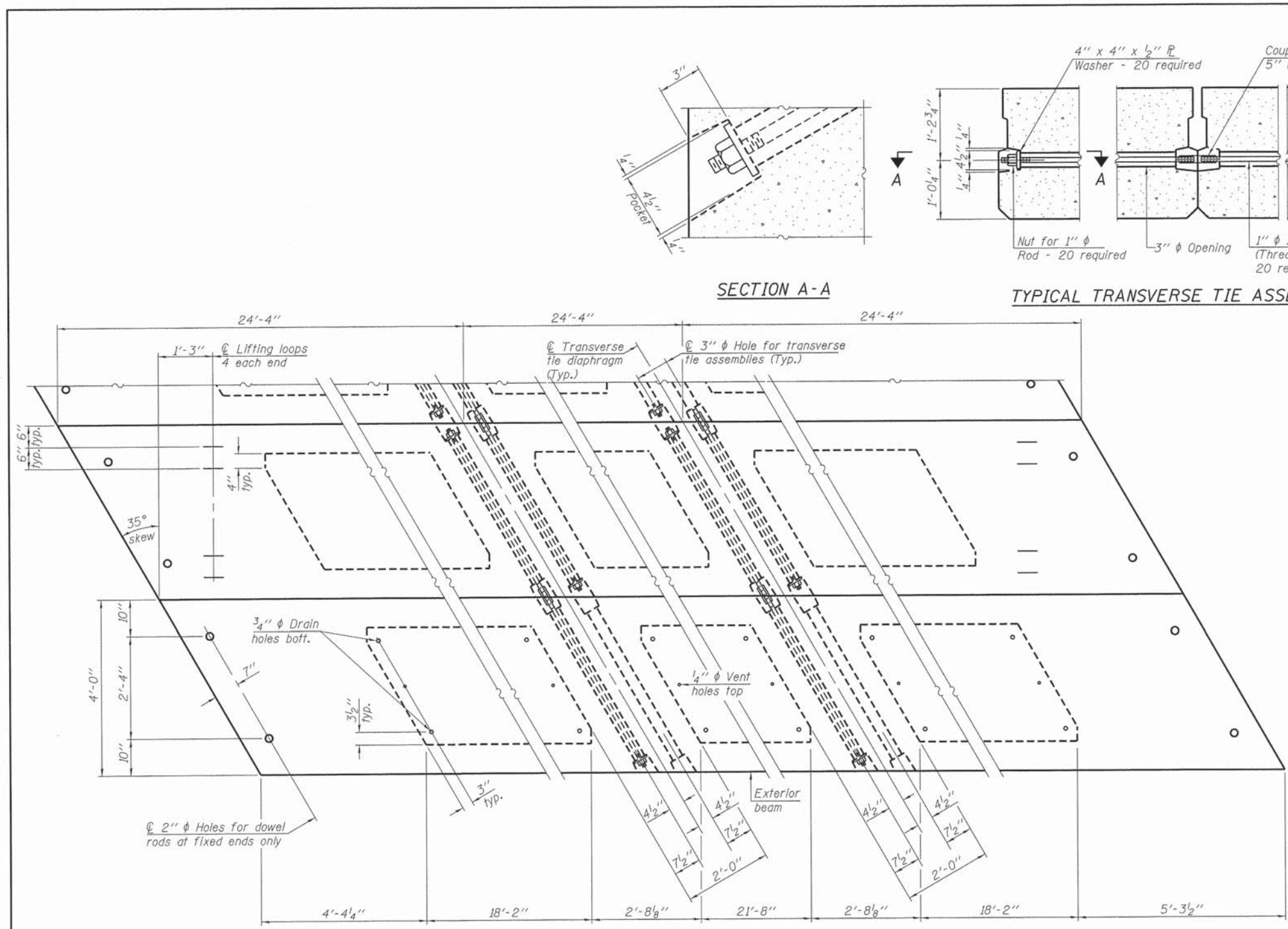
Note: See sheet 6 & 7 of 12 for additional details and Bill of Material.

Notes:
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.
Bars indicated thus 5x3-#5 etc. indicates 5 lines of bars with 3 lengths per line.

MINIMUM BAR LAP
#4 bar = 2'-0"
#5 bar = 2'-6"

PD-2748-R 7-1-10

FILE NAME * 120218-aht-bridge.dgn	USER NAME *	DESIGNED - C.C.S	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	27" x 48" PPC DECK BEAM - SPANS 2 & 3 STRUCTURE NO. 023-4323	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3501 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62763		CHECKED - L.A.P.	REVISED -			275	11-04124-00-BR	EDGAR	36	10
PLOT SCALE =		DRAWN - R.D.H.	REVISED -			ELBRIDGE ROAD DISTRICT		CONTRACT NO. 91492		
PLOT DATE = 3/31/2014		CHECKED - S.W.M.	REVISED -			SHEET NO. 5 OF 12 SHEETS		ILLINOIS FED. AID PROJECT BR05-0045(049)		



NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions). Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

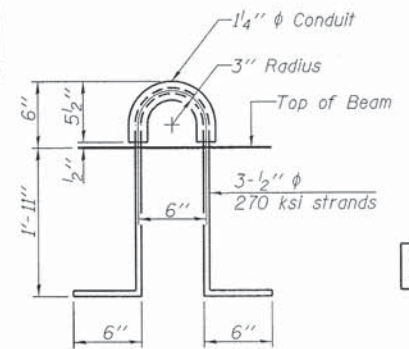
A minimum 2 1/2" lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

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

Reinforcement bars designated (E) shall be epoxy coated.



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

PD-2748-RD 7-1-10

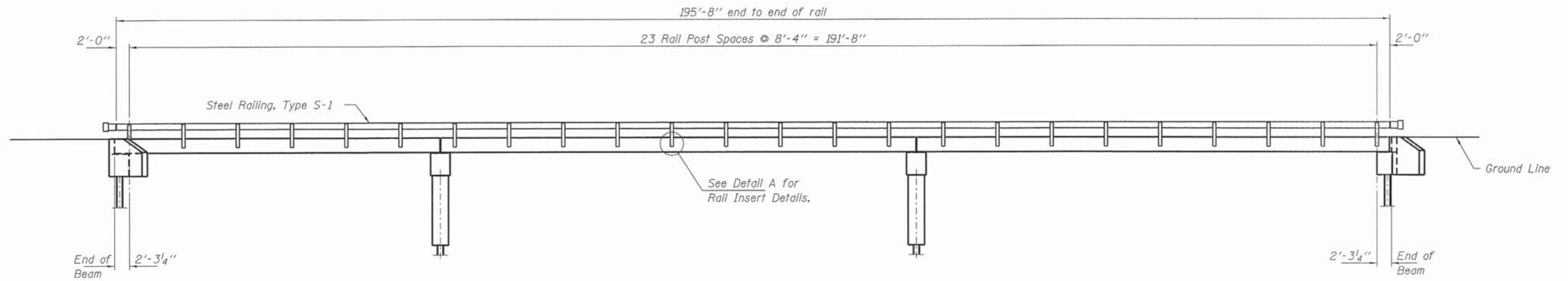
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HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - L.A.P.	REVISED -
3345 STEVENSON DRIVE, SUITE 001		DRAWN - R.D.H.	REVISED -
SPRINGFIELD, ILLINOIS 62782	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM	PLOT DATE = 3/31/2014		
LS / PE / SE CORP. 184 000939			

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

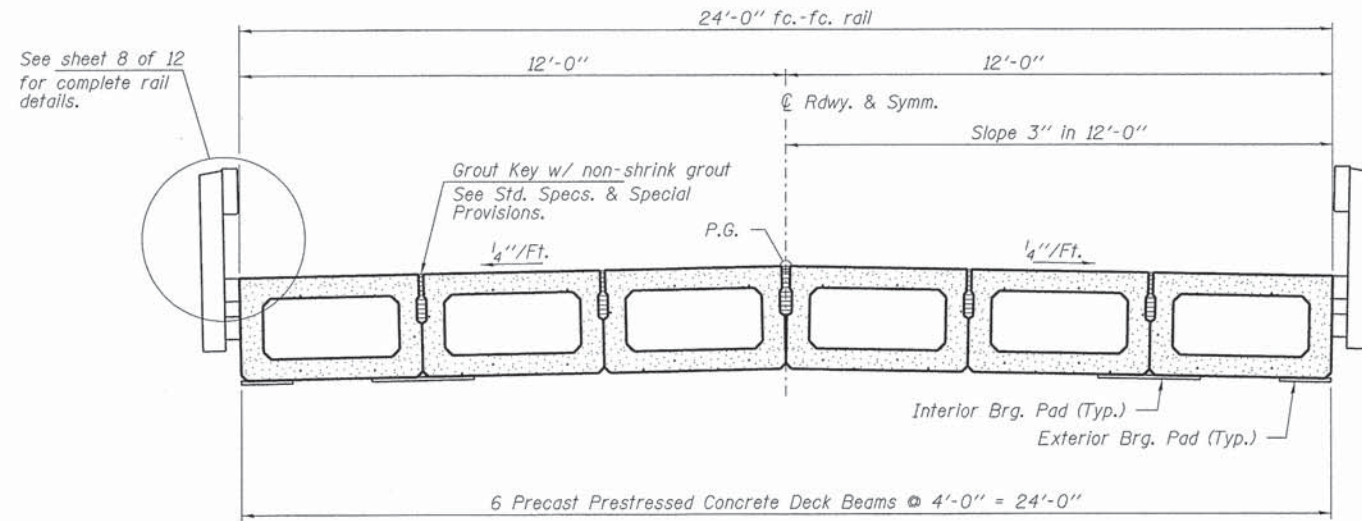
27" x 48" PPC DECK BEAM DETAILS - SPANS 2 & 3
STRUCTURE NO. 023-4323
SHEET NO. 6 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	11
ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492	
ILLINOIS FED. AID PROJECT BR05-00450491				

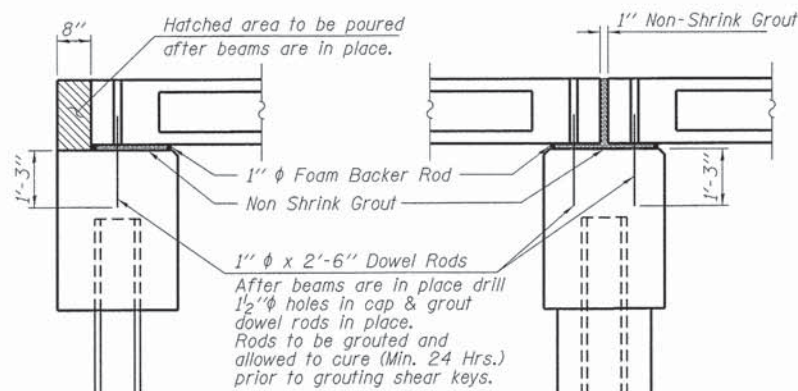
Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	1,752
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ELEVATION
Showing Rail Post Spaces
See sheet 8 of 12 for Railing Details.

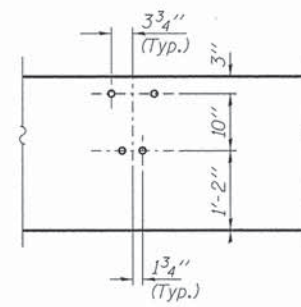


CROSS SECTION
See sheets 3 thru 6 of 12 for Superstructure.

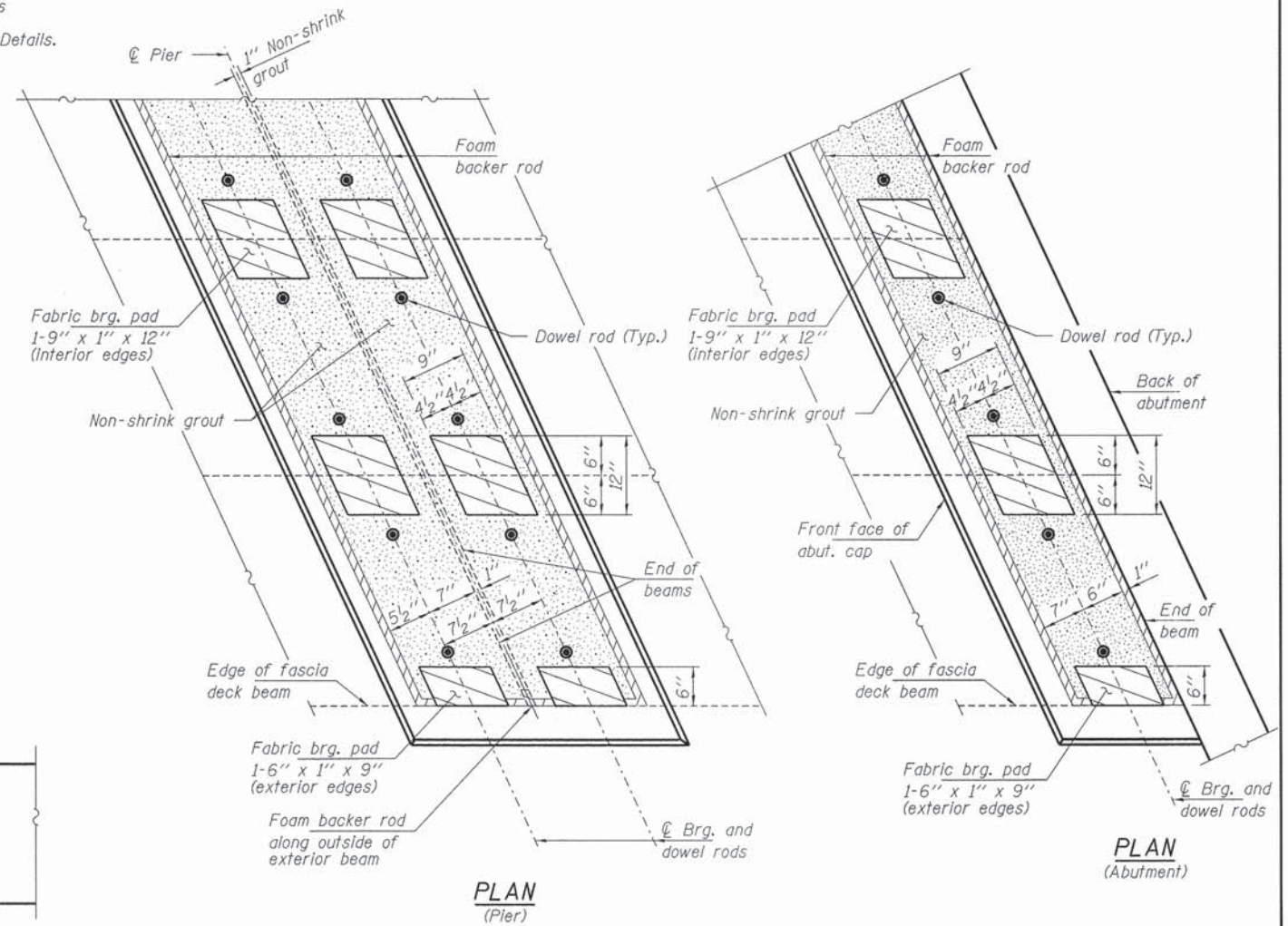


SECTION AT ABUTMENTS
© Rt. L's

SECTION AT PIERS
© Rt. L's



DETAIL A



PLAN
(Pier)

PLAN
(Abutment)

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

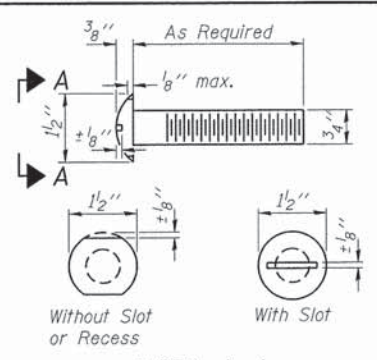
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HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - L.A.P.	REVISED -
3333 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - R.D.J.H.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000989	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 3/31/2014		

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

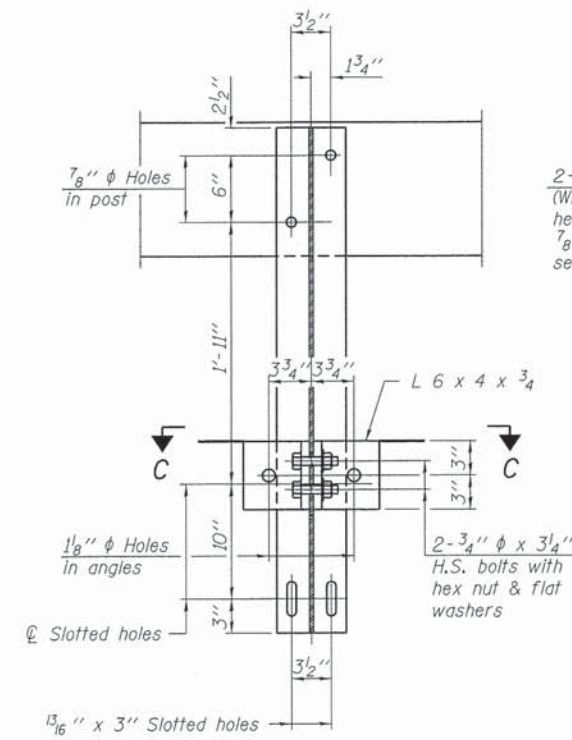
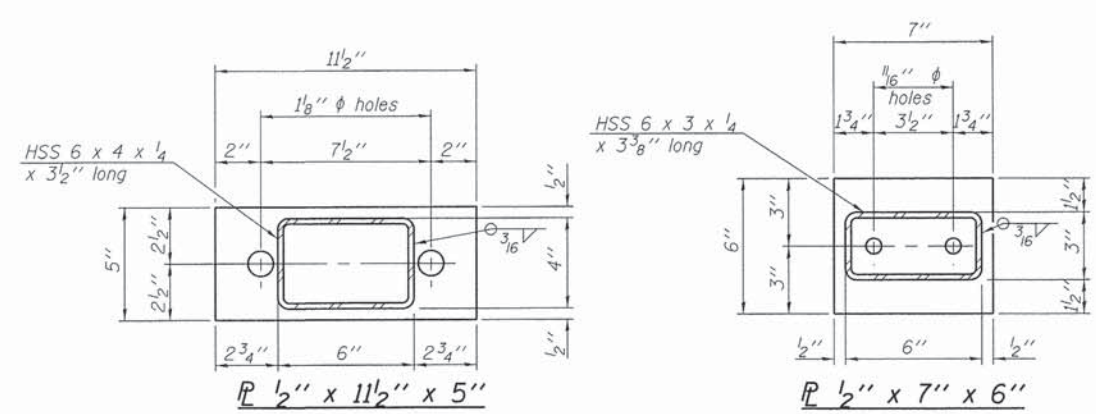
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 023-4323

SHEET NO. 7 OF 12 SHEETS

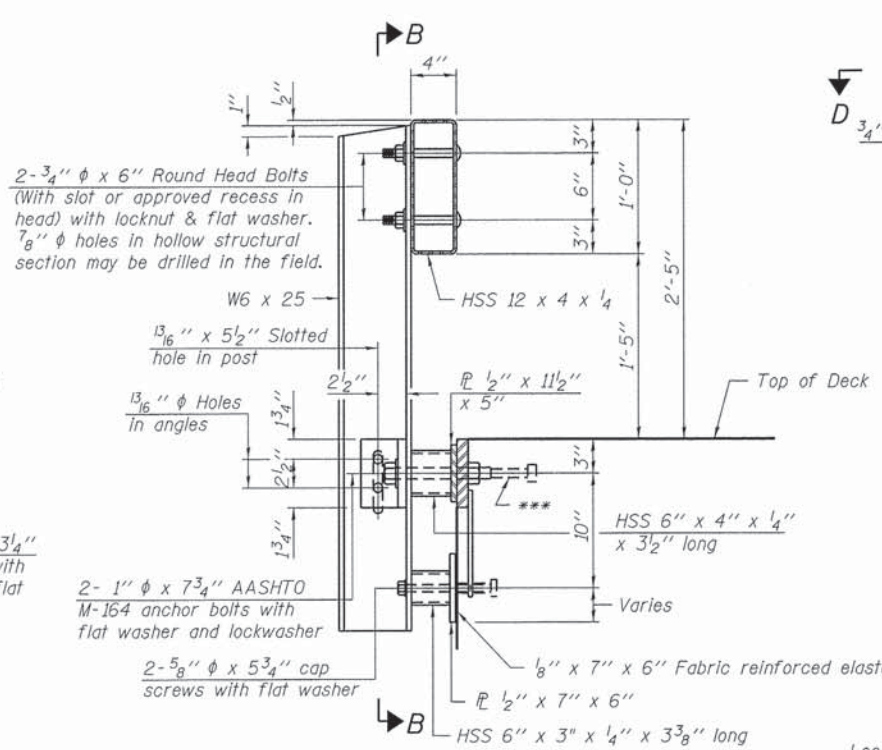
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	12
ELBRIDGE ROAD DISTRICT		CONTRACT NO. 91492		
ILLINOIS FED. AID PROJECT BR05-00450(49)				



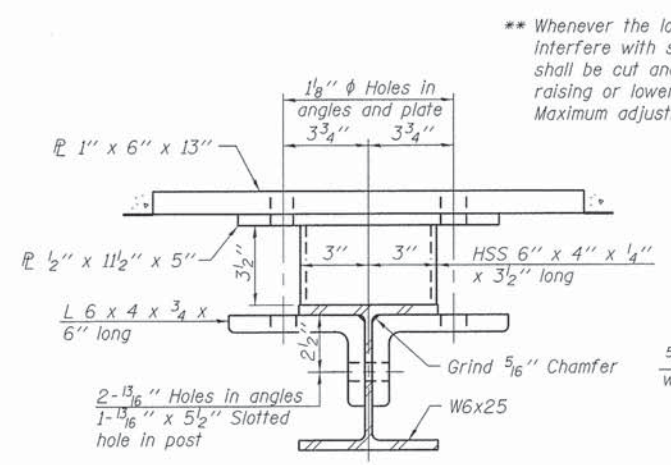
**VIEW A-A
ROUND HEAD BOLT**



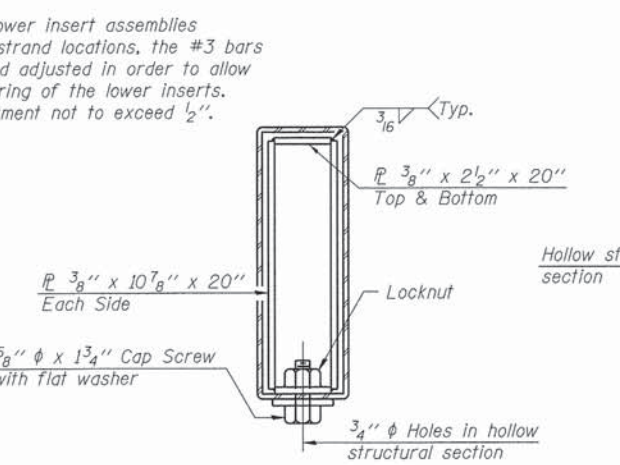
SECTION B-B



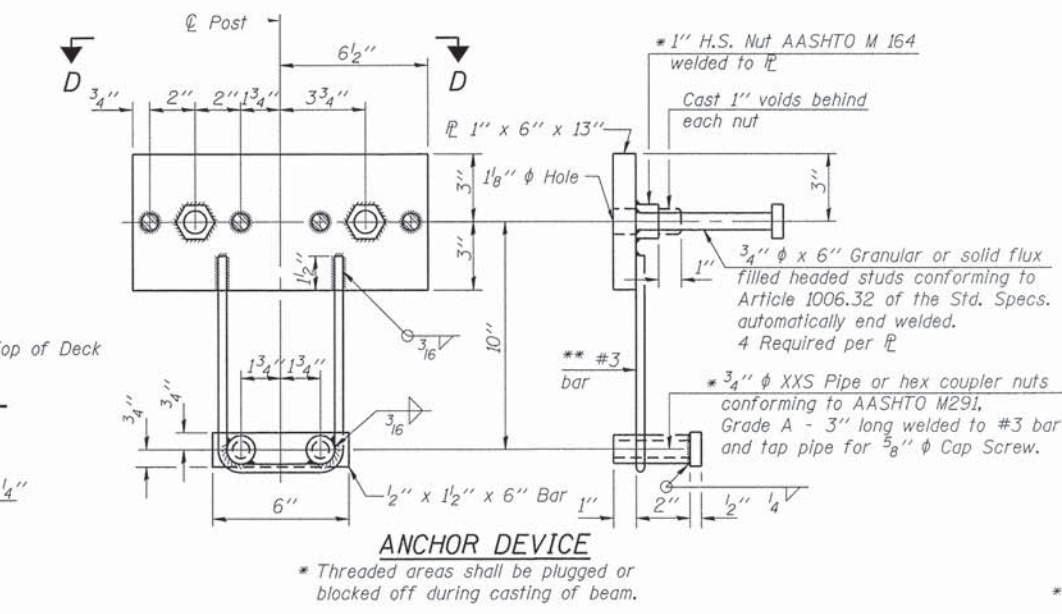
SECTION AT RAILING POST



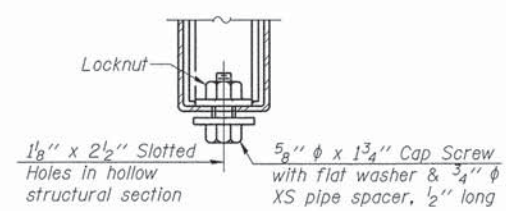
SECTION C-C



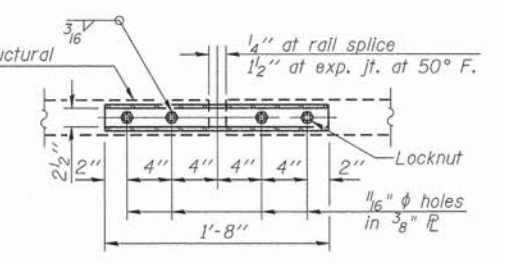
SECTIONS AT RAIL SPLICE



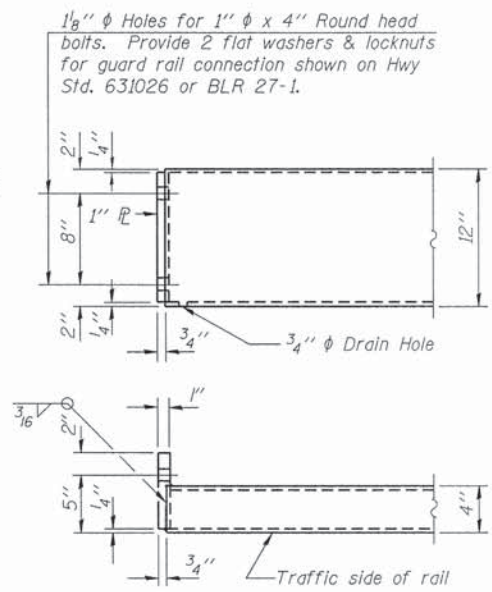
ANCHOR DEVICE



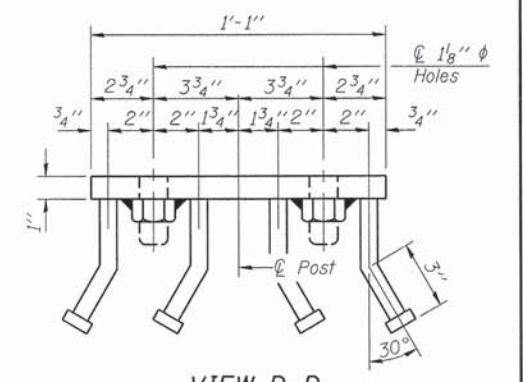
**RAIL SPLICE CONNECTION
AT EXPANSION JT.**



**PLAN-BOTT. SPLICE
TYPICAL**



END OF RAIL DETAILS



VIEW D-D

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	392

Notes:
 All field drilled holes shall be coated with an approved zinc rich paint before erection.
 For multi-span bridges, sufficient 1/4 inch x 6 inch x 1-2 inch 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.

R-23A 7-1-10 (10'-9" Maximum Post Spacing)

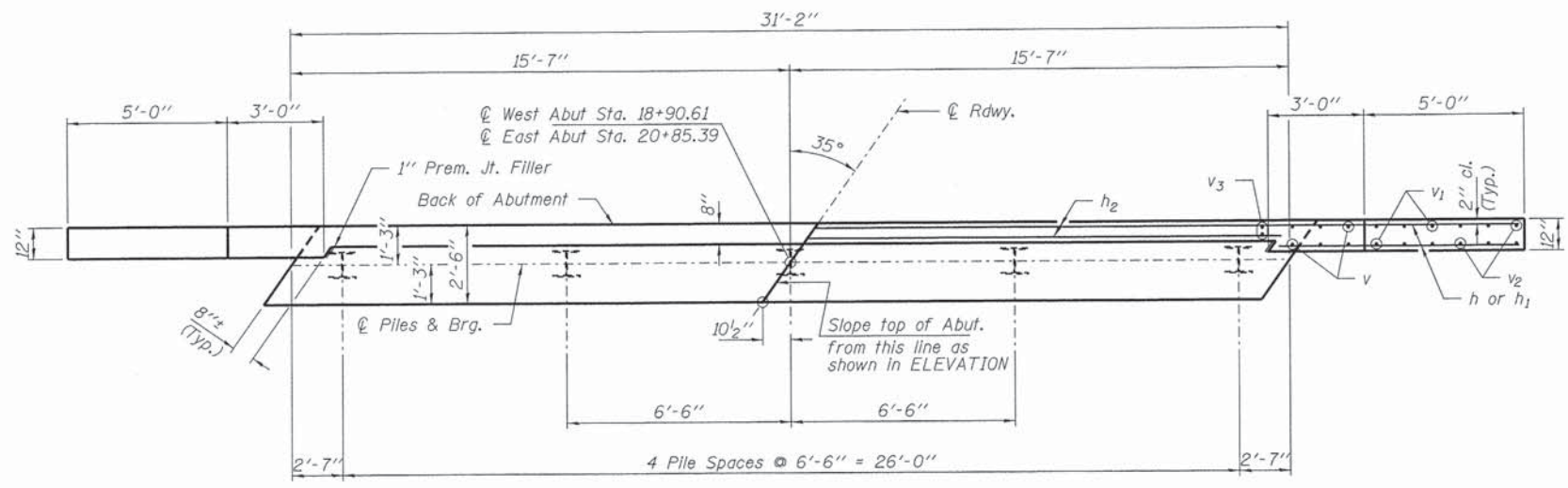
FILE NAME = I28218-shr-bridge.dgn	USER NAME =	DESIGNED - C.C.S.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - L.A.P.	REVISED -
3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62763	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM L5 / P1 / SE CORP. 184.003929	PLOT DATE = 3/31/2014	CHECKED - S.W.M.	REVISED -

**STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT**

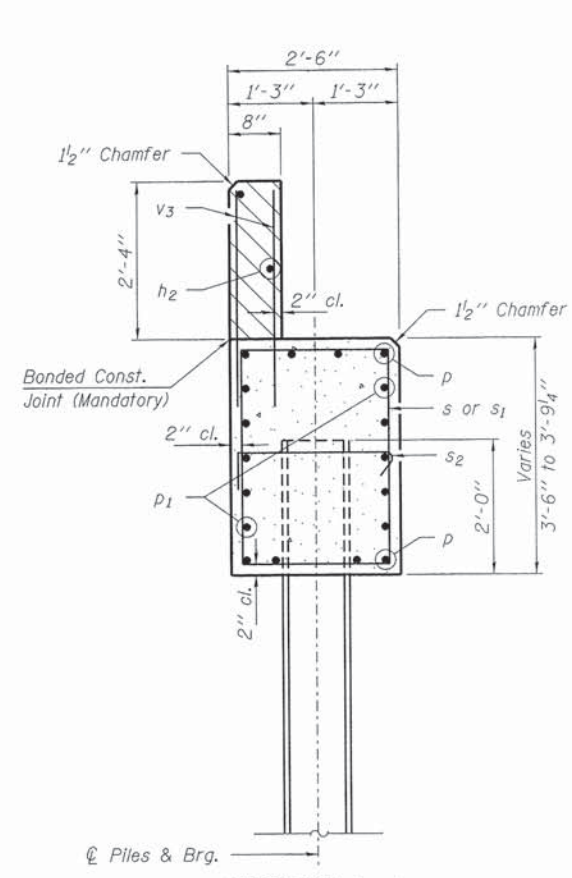
**STEEL RAILING, TYPE S-1
STRUCTURE NO. 023-4323**

SHEET NO. 8 OF 12 SHEETS

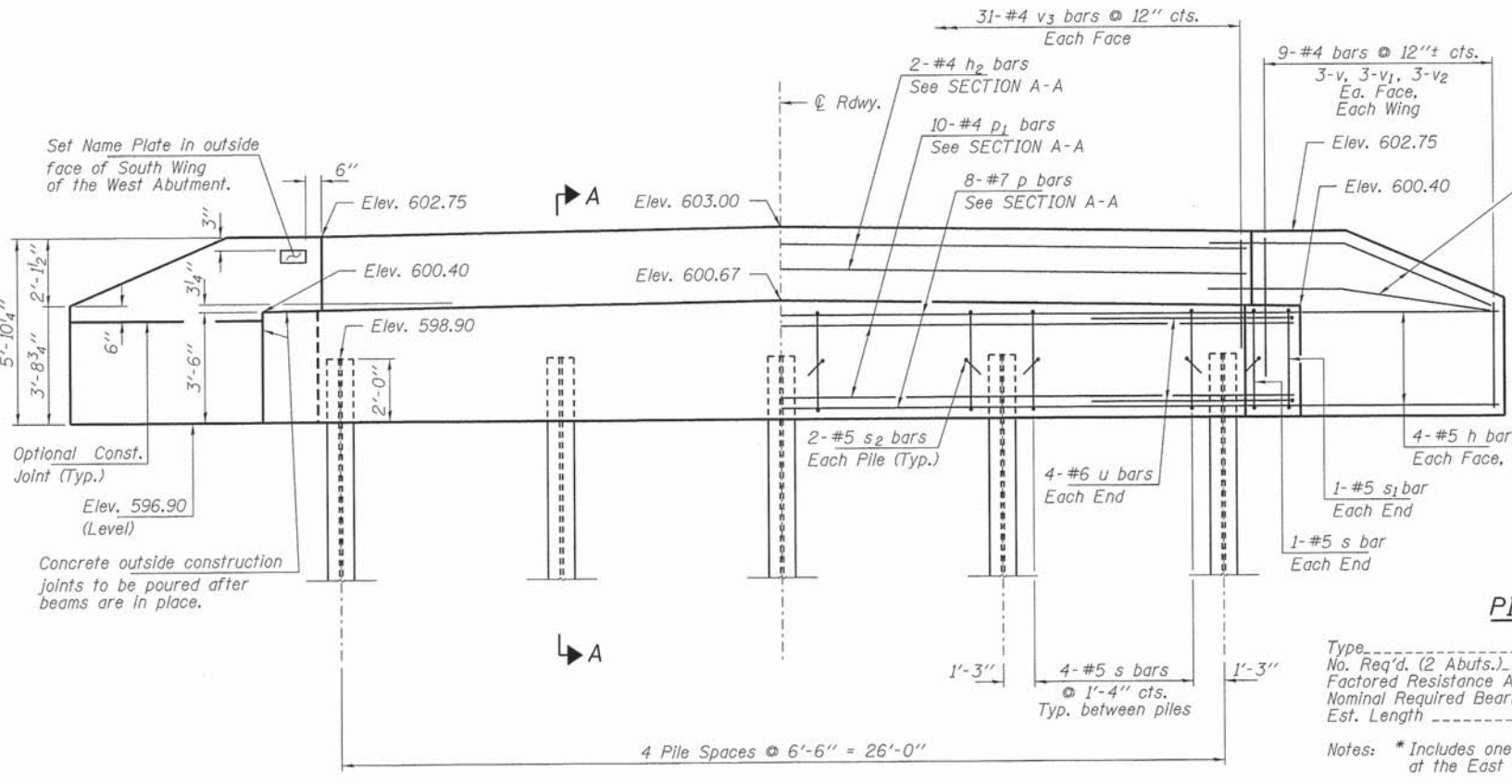
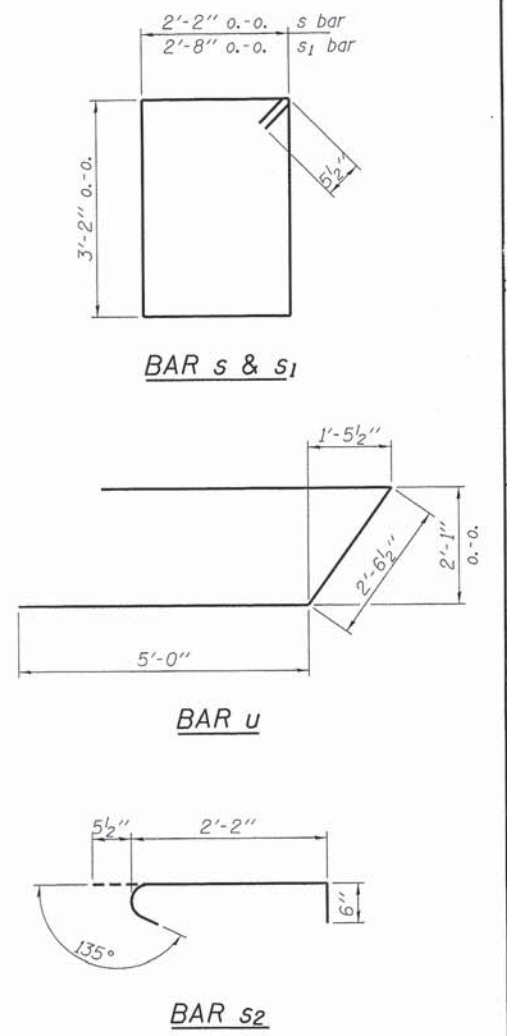
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	13
ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492	
(ILLINOIS) FED. AID PROJECT BR05-0045(049)				



PLAN



SECTION A-A
Hatched area to be poured after beams are in place.



ELEVATION

PILE DATA

Type ----- Steel HP12x53
 No. Req'd. (2 Abuts.) ----- *10
 Factored Resistance Available (Rf) ----- 154 Kips/Pile
 Nominal Required Bearing (Rn) ----- 280 Kips/Pile
 Est. Length ----- 35 Ft./Pile

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

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

BILL OF MATERIAL - 2 ABUTS.

BAR	NO.	SIZE	LENGTH	SHAPE	
h	40	#5	9'-3"	—	
h1	8	#5	7'-9"	—	
h2	4	#4	30'-10"	—	
p	16	#7	30'-10"	—	
p1	20	#4	30'-10"	—	
s	36	#5	11'-7"	□	
s1	4	#5	12'-7"	□	
s2	20	#5	3'-2"	┌	
u	16	#6	12'-7"	┌	
v	24	#4	5'-6"	—	
v1	24	#4	4'-8"	—	
v2	24	#4	3'-5"	—	
v3	124	#4	3'-2"	—	
Concrete Structures				Cu. Yd.	30.2
Reinforcement Bars				Pound	3,290
Steel Piles HP12x53				Foot	315
Test Pile Steel HP12x53				Each	1
Name Plates				Each	1

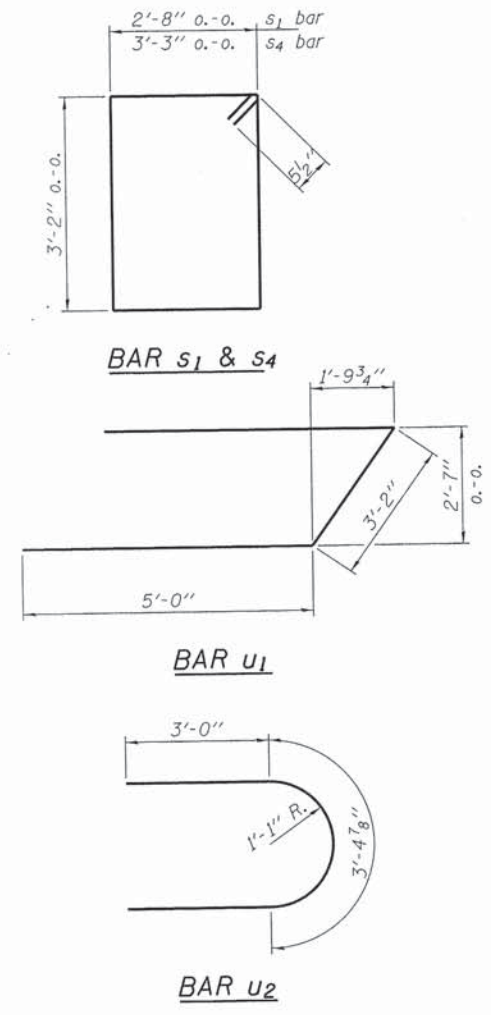
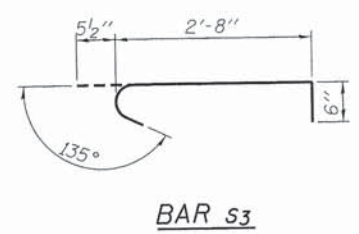
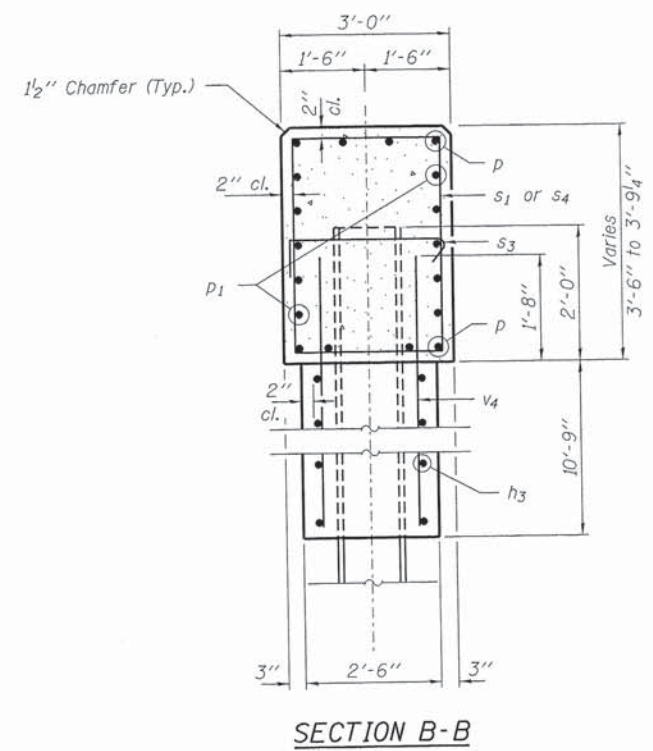
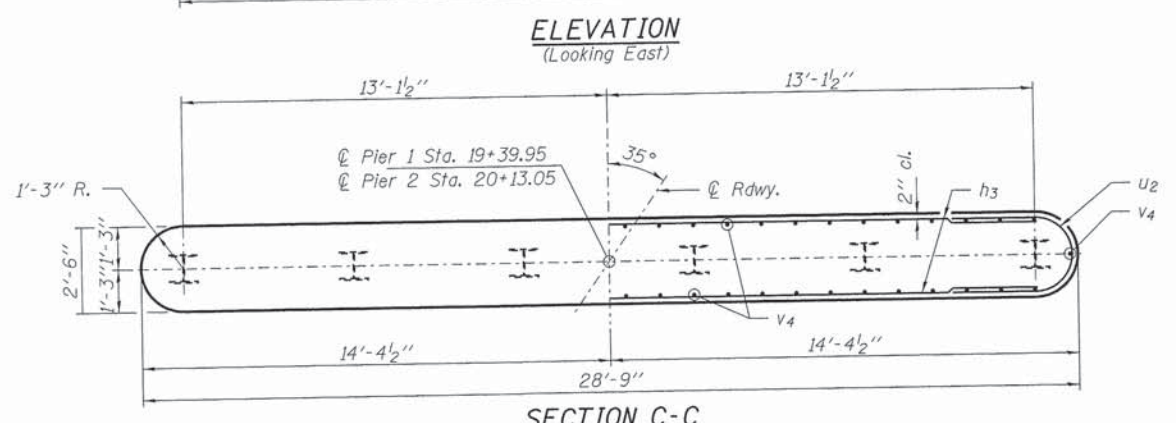
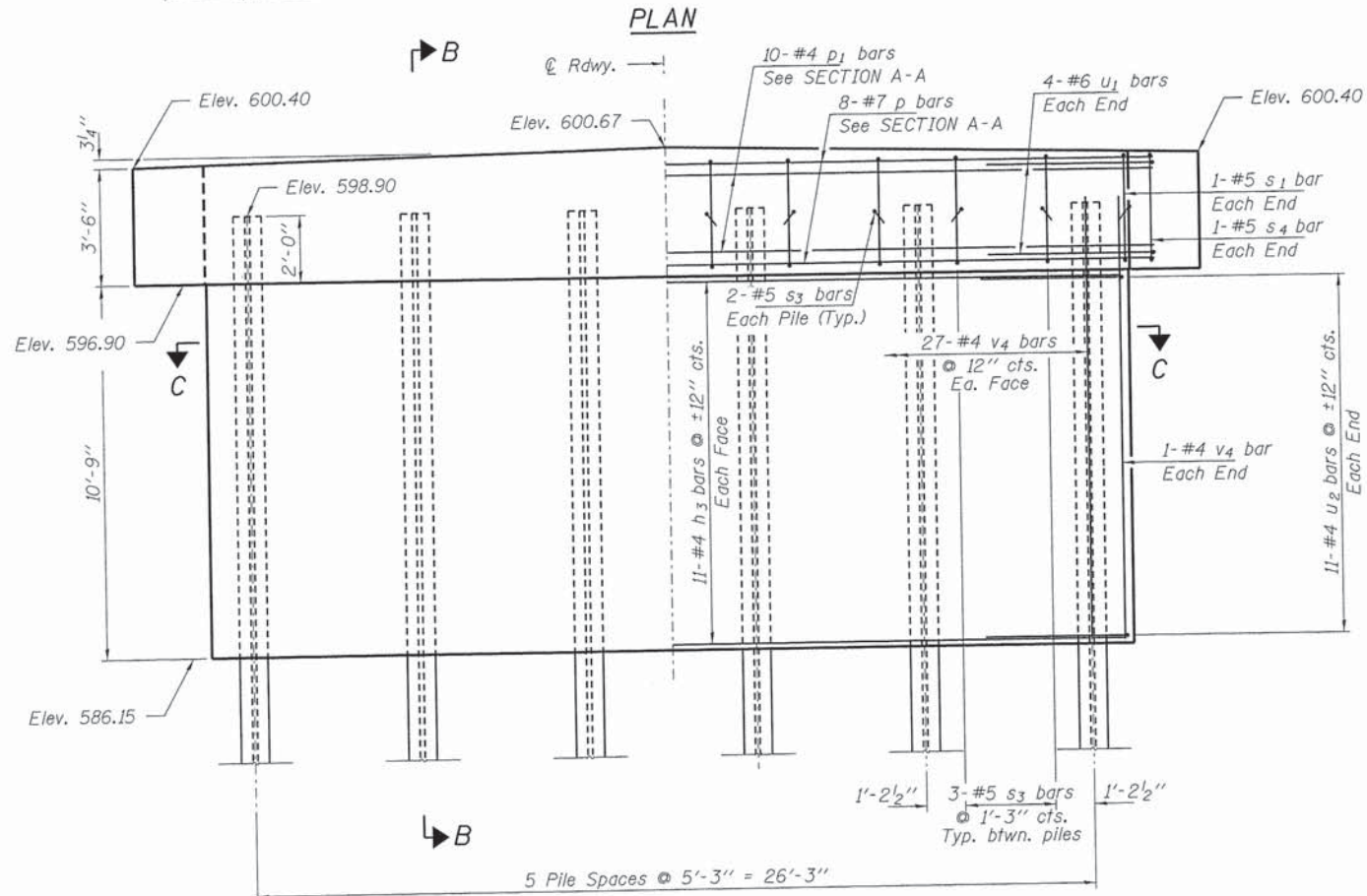
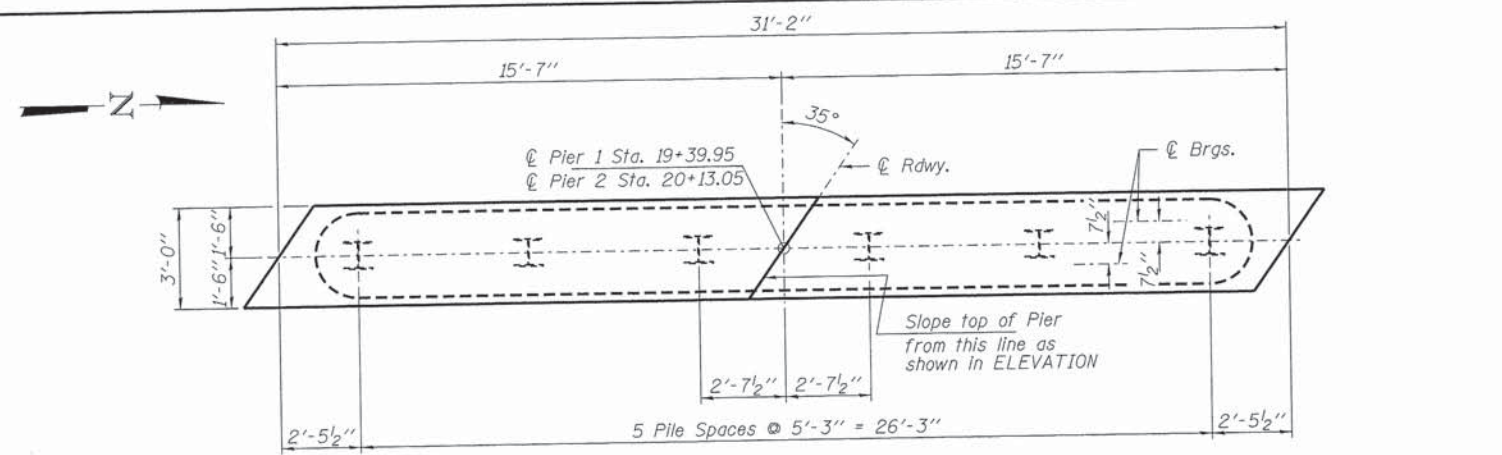
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 USER NAME *
 DESIGNED - C.C.S
 CHECKED - L.A.P.
 DRAWN - R.D.H.
 CHECKED - S.W.M.
 PLOT SCALE =
 PLOT DATE = 3/31/2014

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

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

ABUTMENTS
STRUCTURE NO. 023-4323
 SHEET NO. 9 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	14
ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492	
ILLINOIS FED. AID PROJECT BR05-0045049				



PILE DATA

Type: Steel HP12x53
 No. Req'd. (2 Piers): *12
 Factored Resistance Available (Rf): 212 Kips/Pile
 Nominal Required Bearing (Rn): 427 Kips/Pile
 Est. Length: 50 Ft/Pile

Notes: *Includes one test pile to be driven in a permanent location at Pier 1.
 The test pile shall be driven to 110 percent of the Nominal Required Bearing Indicated in the pile data information.

BILL OF MATERIAL - 2 PIERS

BAR	NO.	SIZE	LENGTH	SHAPE
h3	44	#4	26'-3"	—
p	16	#7	30'-10"	—
p1	20	#4	30'-10"	—
s1	34	#5	12'-7"	□
s3	24	#5	3'-8"	□
s4	4	#5	13'-9"	□
u1	16	#6	13'-2"	U
u2	44	#4	9'-5"	U
v4	112	#4	12'-3"	—
Concrete Structures			Cu. Yd.	69.0
Reinforcement Bars			Pound	4,300
Steel Piles HP12x53			Foot	550
Test Pile Steel HP12x53			Each	1
Cofferdam (Type 1) (Location - 1)			Each	1
Cofferdam (Type 1) (Location - 2)			Each	1

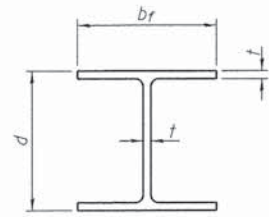
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 DESIGNED - C.C.S
 CHECKED - L.A.P.
 DRAWN - R.D.H.
 CHECKED - S.W.M.
 PLOT SCALE =
 PLOT DATE = 3/31/2014

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

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

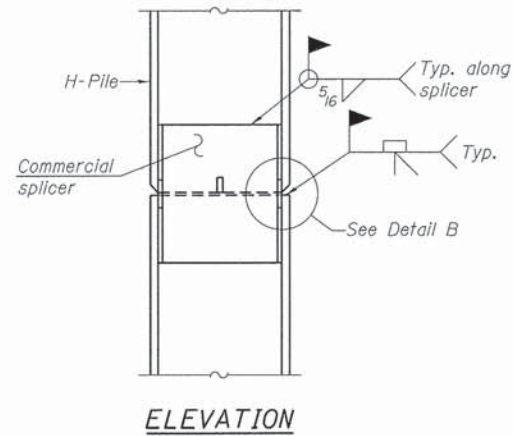
PIERS
STRUCTURE NO. 023-4323
 SHEET NO. 10 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	15
ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492	
ILLINOIS FED. AID PROJECT BR05-00450491				

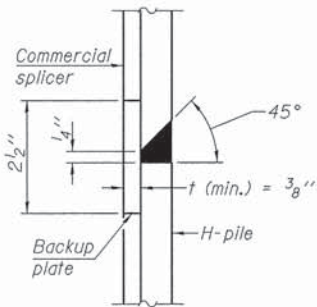


STEEL PILE TABLE

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

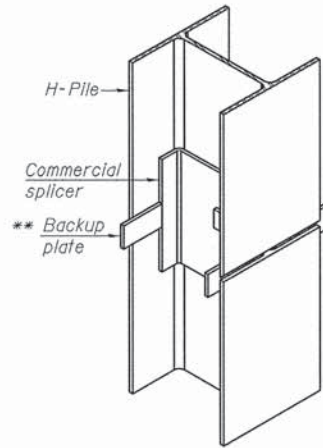


ELEVATION

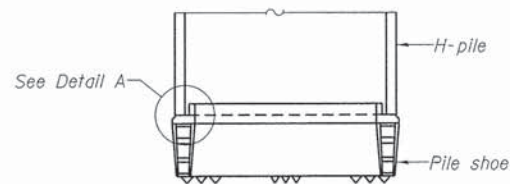


DETAIL "B"

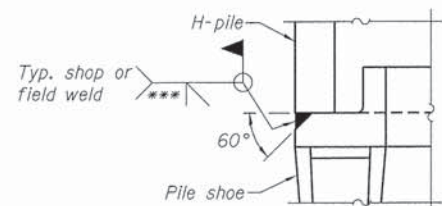
WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW

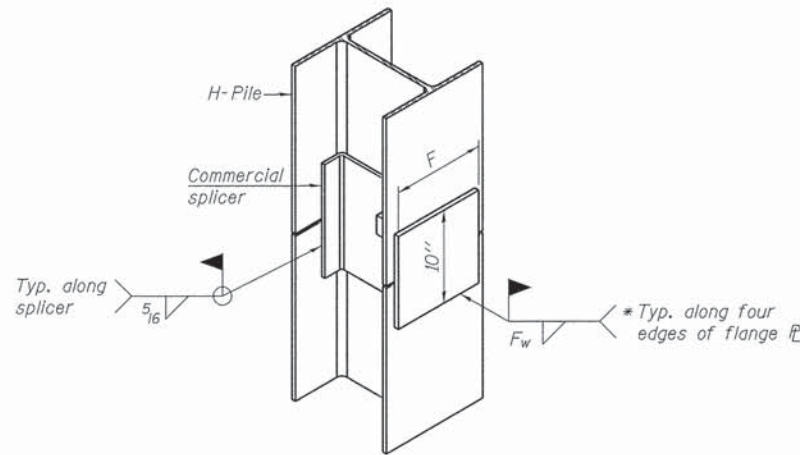


ELEVATION



DETAIL A

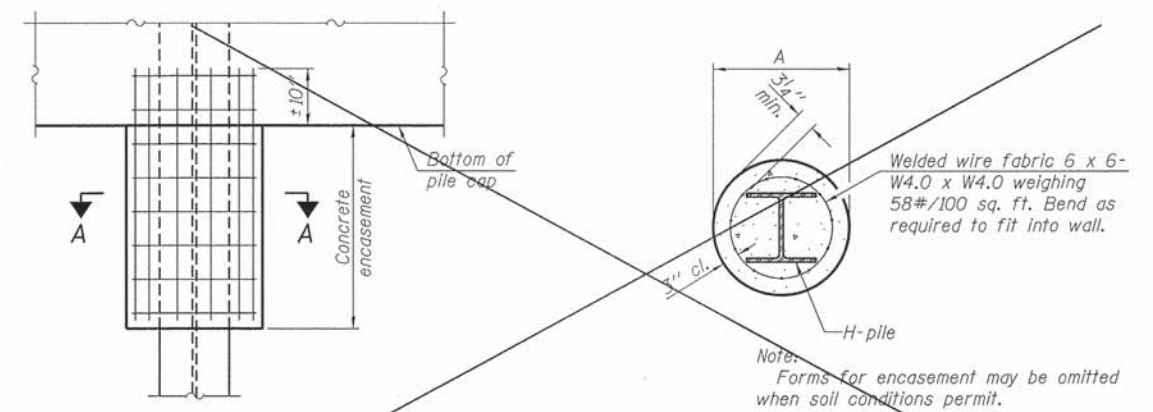
H-PILE SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

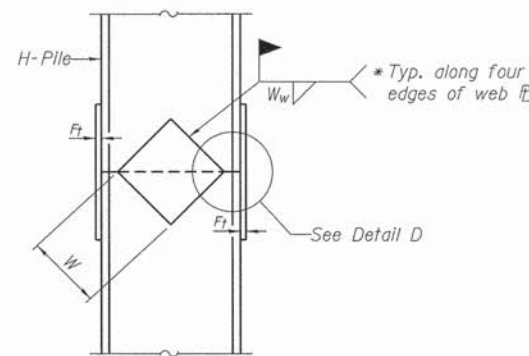
- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).



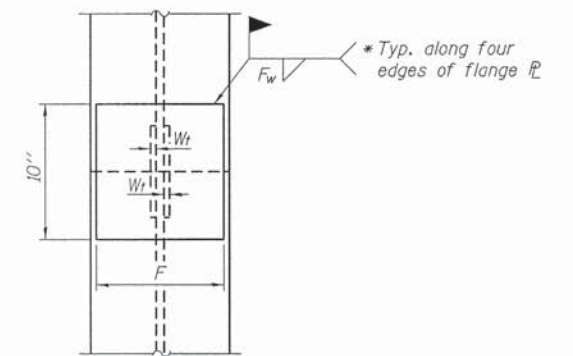
ELEVATION

SECTION A-A

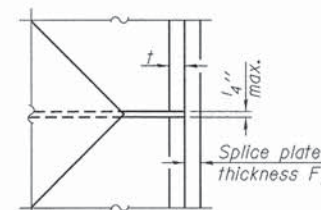
PILE ENCASEMENT



ELEVATION



END VIEW



DETAIL D

WELDED PLATE FIELD SPLICE

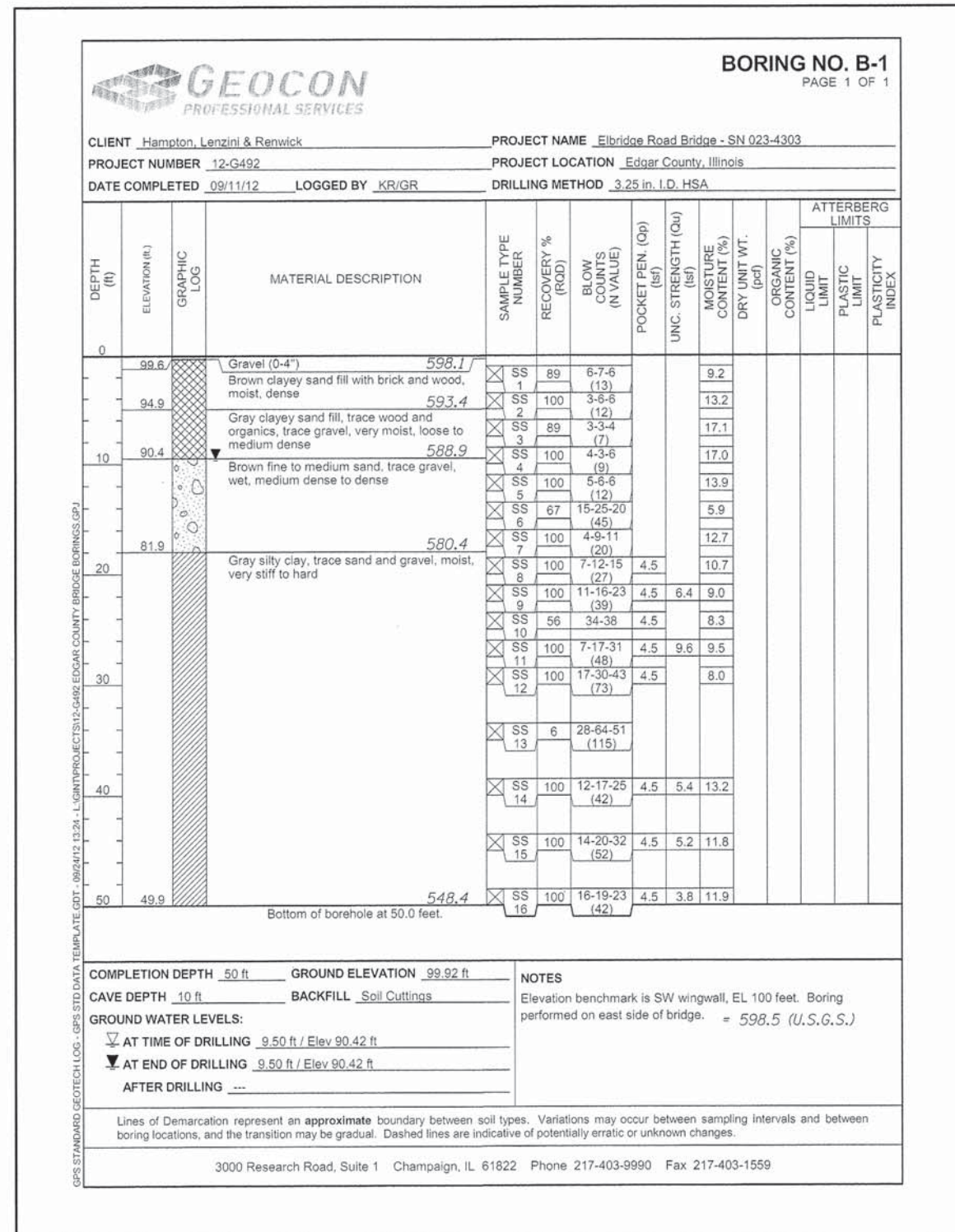
Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"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

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

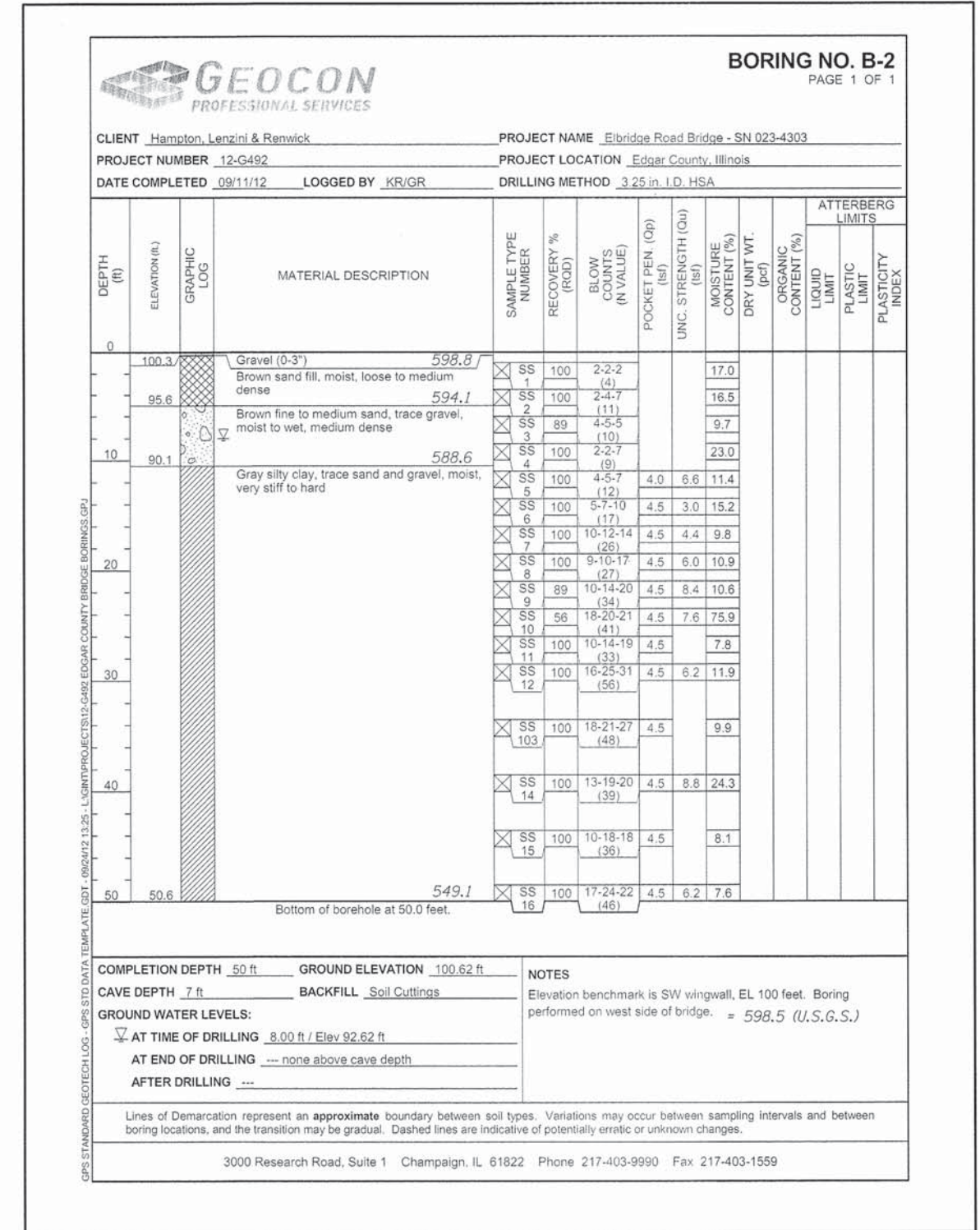
F-HP

1-27-12

FILE NAME = 128218-ah-bridge.dgn	USER NAME =	DESIGNED - C.C.S	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	HP PILE DETAILS STRUCTURE NO. 023-4323	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3038 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - L.A.P.	REVISED -			275	11-04124-00-BR	EDGAR	36	16	
FLR ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000859	PLOT SCALE =	DRAWN - R.D.H.	REVISED -			ELBRIDGE ROAD DISTRICT		CONTRACT NO. 91492		ILLINOIS FED. AID PROJECT BR05-00450491	
	PLOT DATE = 3/31/2014	CHECKED - S.W.M.	REVISED -			SHEET NO. 11 OF 12 SHEETS					



BORING 1



BORING 2

CERWD WATER MAIN RELOCATION ON NORTH 600th ROAD AT SUGAR CREEK 2013

NOTES:

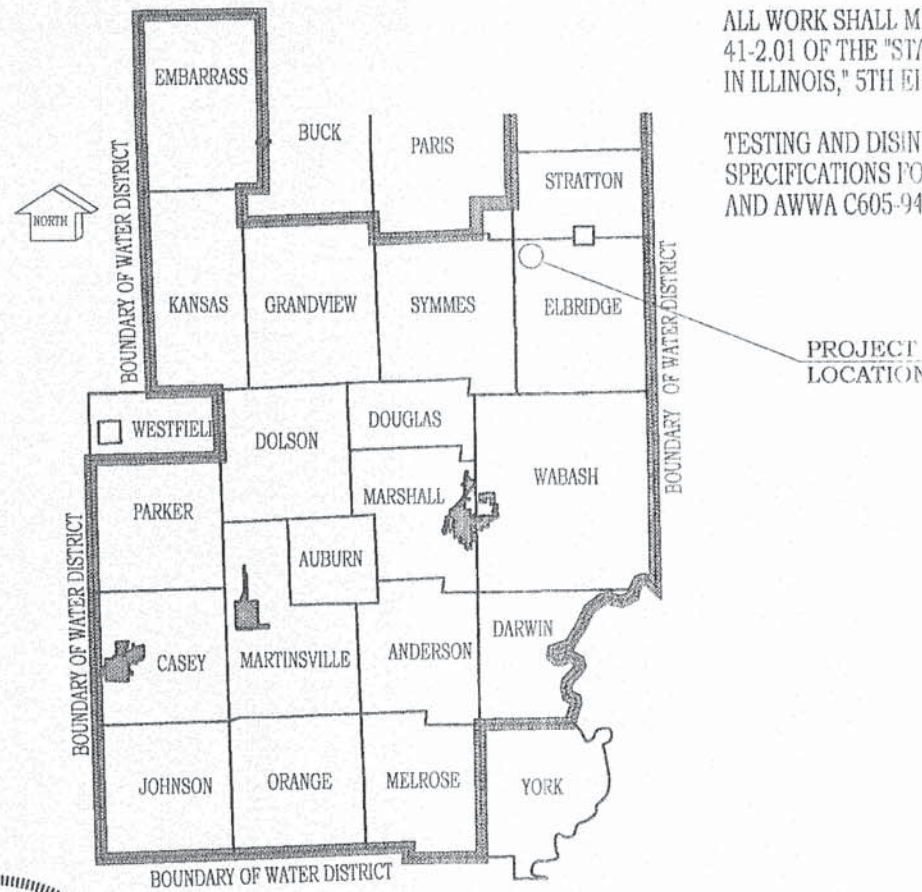
THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," 5TH EDITION, DATED MAY, 1996 SHALL GOVERN THE CONSTRUCTION OF THE PROPOSED WORK

ALL WORK SHALL MEET REQUIREMENTS OF 35 ILLINOIS ADM CODE 653.119 AND SECTION 41-2.01 OF THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS," 5TH EDITION, DATED MAY, 1996

TESTING AND DISINFECTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS AND AWWA C605-94 AND AWWA C651-99

TABLE OF CONTENTS

COVER SHEET	1
LOCATION MAP	2
PLAN SHEET	3-4
DETAILS	D1-D2



FRANCIS ASSOCIATES
CONSULTING ENGINEERS
LAND SURVEYORS
330 NORTH CENTRAL AVENUE
PARIS, ILLINOIS 61944
PH. (217) 465-5306
PROFESSIONAL DESIGN FIRM #184-001406

PREPARED:

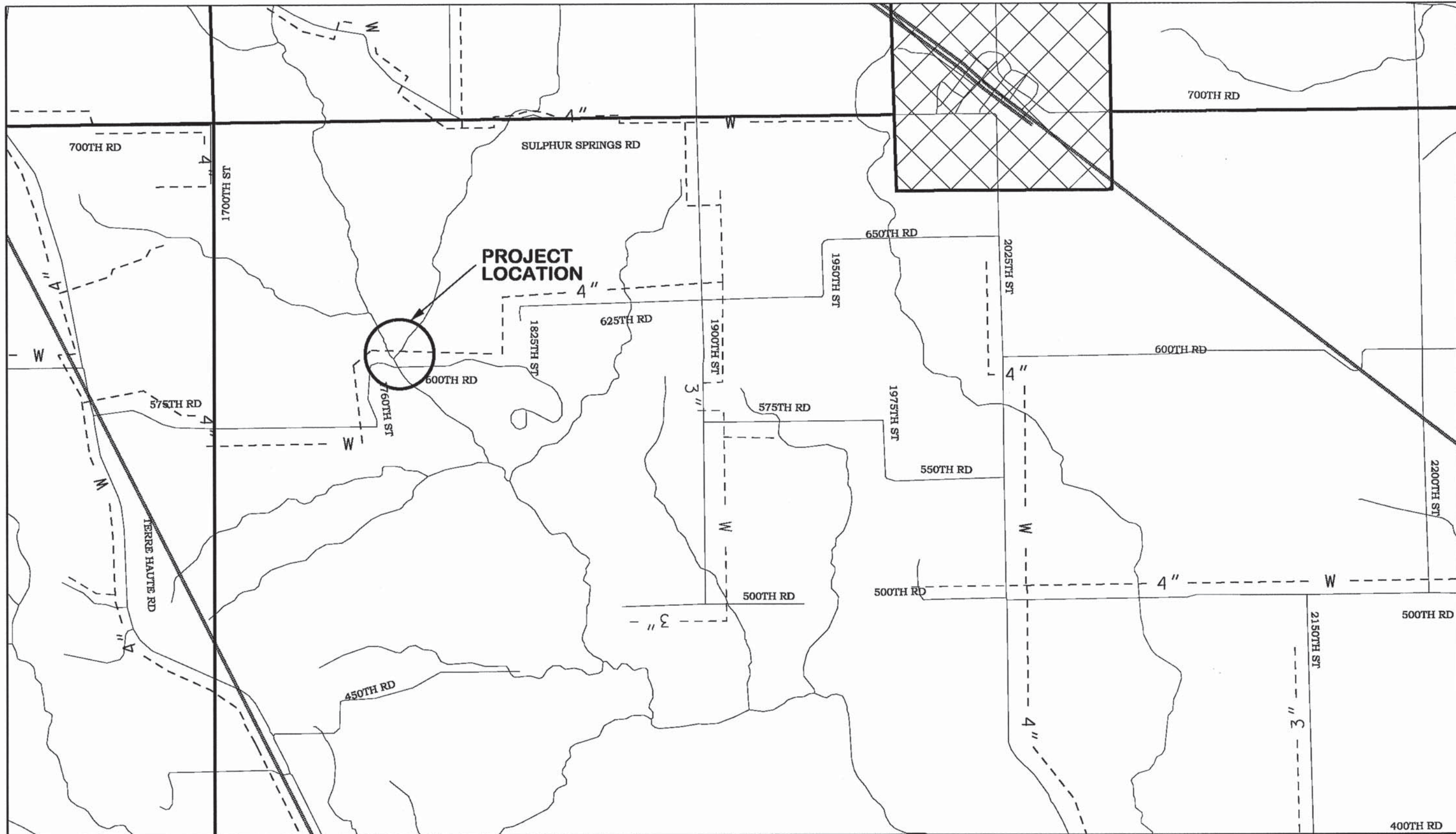
Duncan T. MacGibbon 09-30-13

DUNCAN MacGIBBON DATE
ILLINOIS PROFESSIONAL ENGINEER NO. 062-043706
EXP. 11/30/13



3810-161-016

FILE NAME = 120218-sht-br1dgn.dgn	USER NAME =	DESIGNED - C.C.S	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	WATER MAIN RELOCATION PLANS	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. <small>3305 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.00099</small>	PLOT SCALE =	CHECKED - L.A.P.	REVISED -			275	11-04124-00-BR	EDGAR	36	18
	PLOT DATE = 3/31/2014	DRAWN - R.D.H.	REVISED -			ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492	
		CHECKED - S.W.M.	REVISED -			SHEET NO. 1 OF 6 SHEETS			ILLINOIS FED. AID PROJECT BR05-00450491	



FRANCIS ASSOCIATES
 CONSULTING ENGINEERS
 LAND SURVEYORS
 330 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61944
 PH. (217) 465-5306
 PROFESSIONAL DESIGN FIRM #184-001406

SCALES	DRAWN	TLT
PLAN : N-T-S	DATE	9/27/13
REVISION	REVISION	
DATE	DATE	
REVISION	REVISION	
DATE	DATE	

FRANCIS
 ASSOC.
 FILE NO.
 3810-161 (016)

CERWD WATER MAIN RELOCATION ON
 NORTH 600th ROAD AT SUGAR CREEK

LOCATION MAP

SHEET NO.
 2

FILE NAME = 128218-sht-bridge.dgn	USER NAME =
HAMPTON, LENZINI AND RENWICK, INC. <small>3053 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761</small>	PLOT SCALE =
ILLINOIS PROFESSIONAL DESIGN FIRM <small>LS / PE / SE CORP. 184-000569</small>	PLOT DATE = 3/31/2014

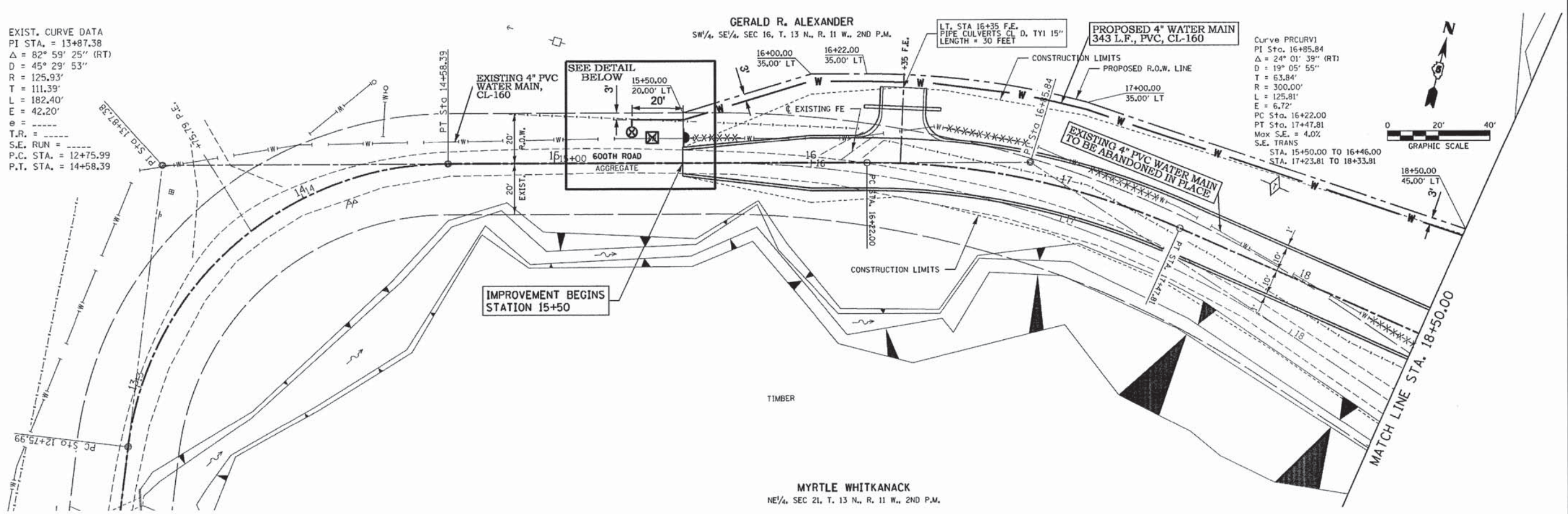
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CHECKED - L.A.P.	REVISION -
DRAWN - R.D.H.	REVISION -
CHECKED - S.W.M.	REVISION -

STATE OF ILLINOIS
 EDGAR COUNTY HIGHWAY DEPARTMENT

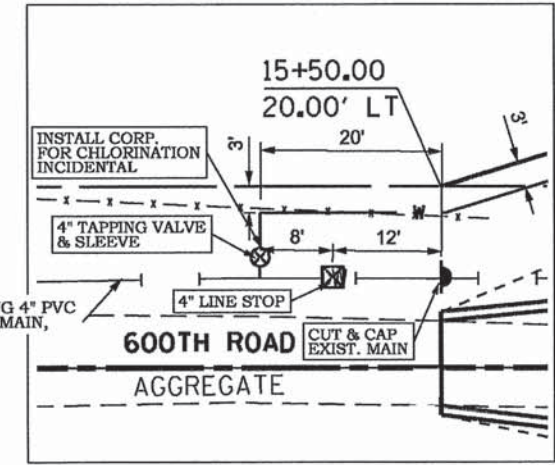
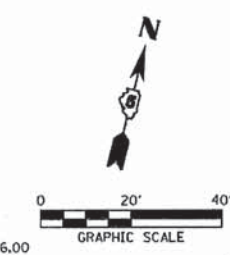
WATER MAIN RELOCATION PLANS
 SHEET NO. 2 OF 6 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	19
ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492	
(ILLINOIS) FED. AID PROJECT BROS-0045(049)				

EXIST. CURVE DATA
 PI STA. = 13+87.38
 $\Delta = 82^\circ 59' 25''$ (RT)
 $D = 45^\circ 29' 53''$
 $R = 125.93'$
 $T = 111.39'$
 $L = 182.40'$
 $E = 42.20'$
 $\theta =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 12+75.99
 P.T. STA. = 14+58.39



Curve PCURV1
 PI Sta. 16+85.84
 $\Delta = 24^\circ 01' 39''$ (RT)
 $D = 19^\circ 05' 55''$
 $T = 63.84'$
 $R = 300.00'$
 $L = 125.81'$
 $E = 6.72'$
 PC Sta. 16+22.00
 PT Sta. 17+47.81
 Max S.E. = 4.0%
 S.E. TRANS
 STA. 15+50.00 TO 16+46.00
 STA. 17+23.81 TO 18+33.81

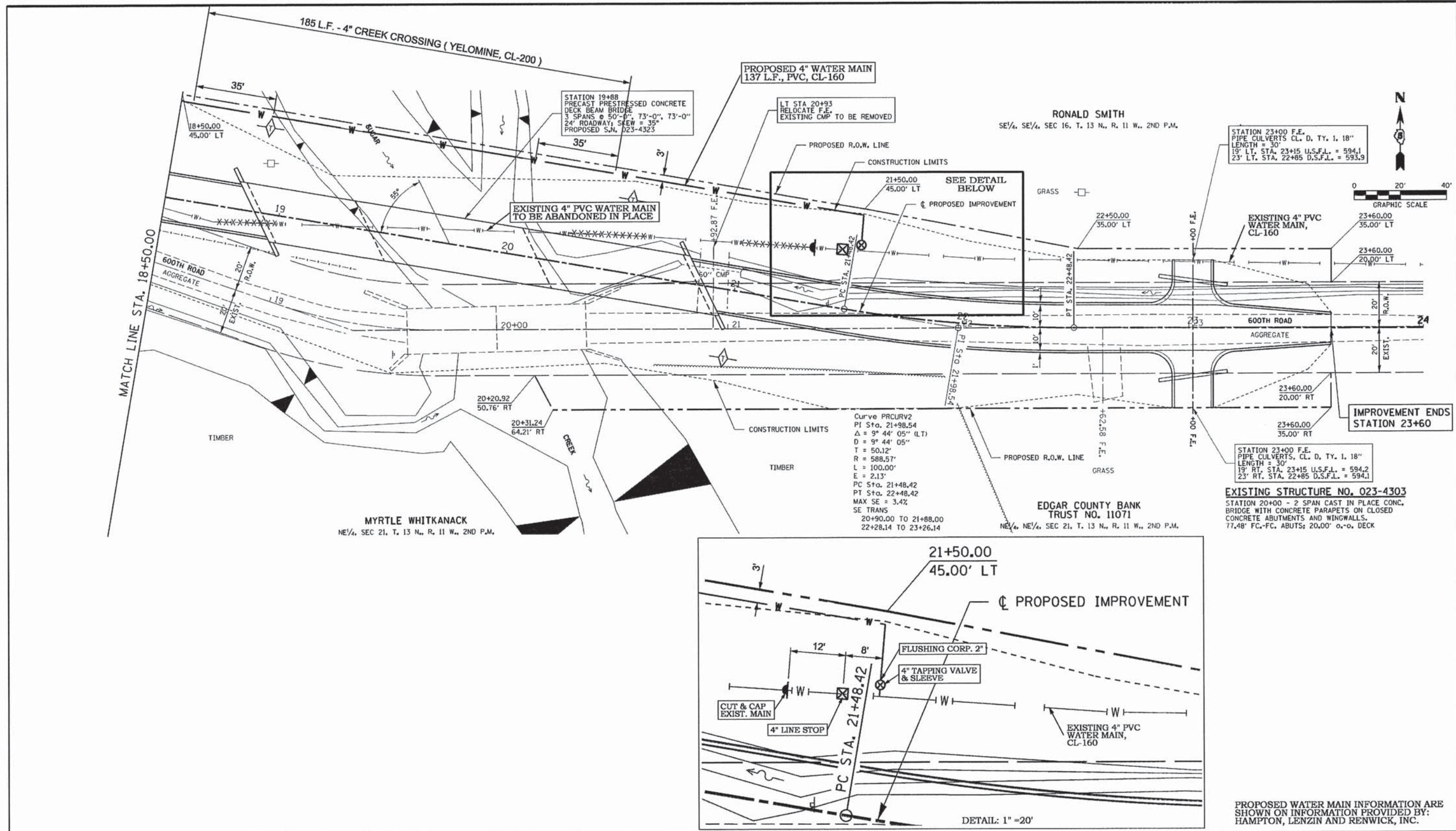


DETAIL: 1" = 20'

TOTAL QUALITIES:
 480 L.F. 4" PVC WATER MAIN, CL-160
 185 L.F. 4" CREEK CROSSING (YELOMINE, CL-200)
 2 4" TAPPING VALVES & SLEEVES
 2 4" LINE STOPS
 2 4" CAPS

PROPOSED WATER MAIN INFORMATION ARE SHOWN ON INFORMATION PROVIDED BY: HAMPTON, LENZIN AND RENWICK, INC.

FRANCIS ASSOCIATES CONSULTING ENGINEERS LAND SURVEYORS 330 NORTH CENTRAL AVENUE PARIS, ILLINOIS 61944 PH. (217) 465-5306 PROFESSIONAL DESIGN FIRM #184-001406	SCALES PLAN : 1" = 40'	DRAWN TLT DATE 9/27/13 CHECKED DATE REVISED DATE REVISED DATE	FRANCIS ASSOC. FILE NO. 3810-161 (016)	CERWD WATER MAIN RELOCATION ON NORTH 600th ROAD AT SUGAR CREEK PLAN SHEET	SHEET NO. 3
	FILE NAME = 128218-shr-bridge.dgn USER NAME = HAMPTON, LENZIN AND RENWICK, INC. 3883 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62763 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000999	DESIGNED - C.C.S CHECKED - L.A.P. DRAWN - R.D.H. CHECKED - S.W.M.	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	WATER MAIN RELOCATION PLANS SHEET NO. 3 OF 6 SHEETS



FRANCIS ASSOCIATES
 CONSULTING ENGINEERS
 LAND SURVEYORS
 330 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61944
 PH. (217) 465-5306
 PROFESSIONAL DESIGN FIRM #184-001406

SCALES	DRAWN	TLT
PLAN : 1" = 40'	DATE	9/27/13
REVISION	CHECKED	DATE
REVISION	REVISION	DATE
REVISION	REVISION	DATE

FRANCIS ASSOC. FILE NO. 3810-161 (016)

CERWD WATER MAIN RELOCATION ON NORTH 600th ROAD AT SUGAR CREEK

PLAN SHEET

SHEET NO. 4

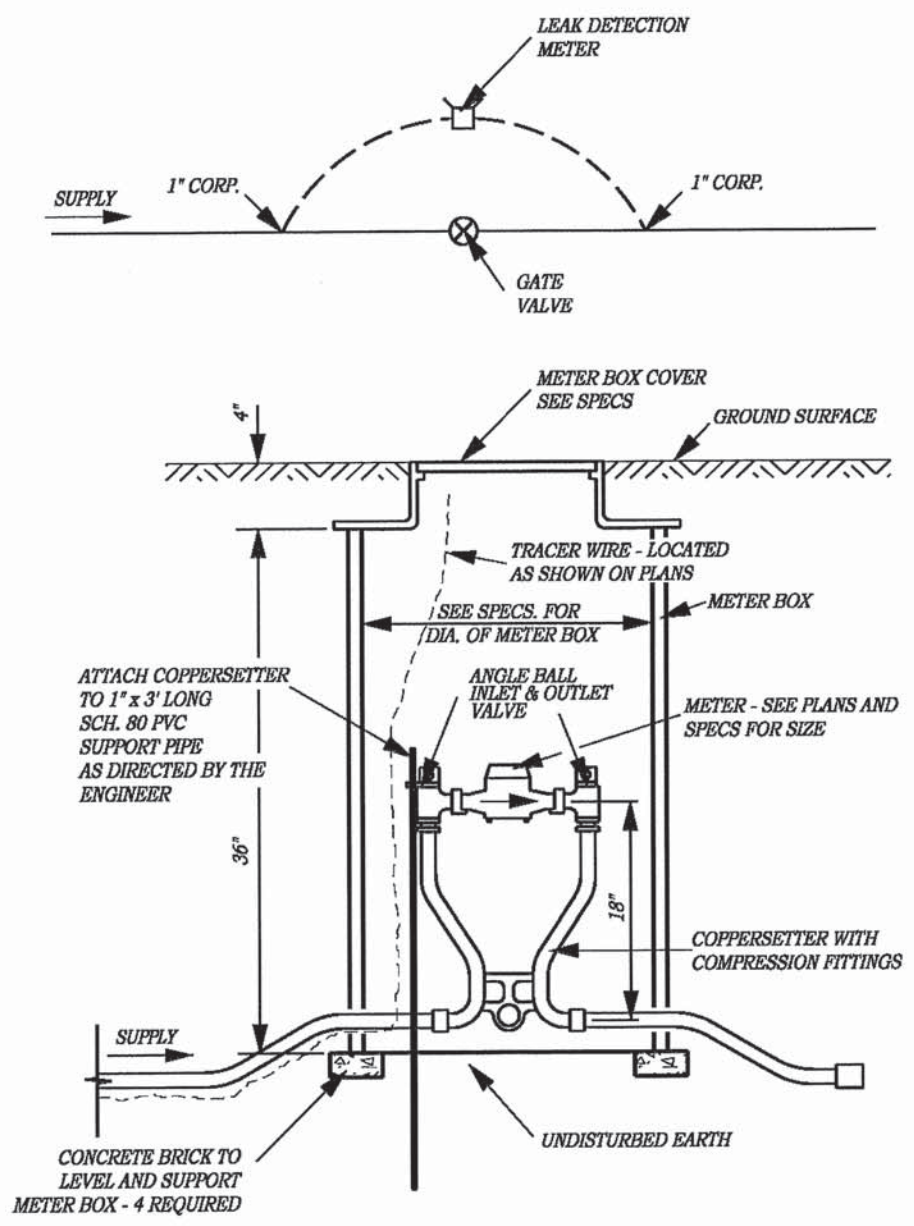
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HAMPTON, LENZINI AND RENWICK, INC.	3303 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	CHECKED - L.A.P.	REVISION -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / FE / SE CORP. 184-000959	PLOT SCALE =	DRAWN - R.D.H.	REVISION -
	PLOT DATE = 3/31/2014	CHECKED - S.W.M.	REVISION -

**STATE OF ILLINOIS
 EDGAR COUNTY HIGHWAY DEPARTMENT**

WATER MAIN RELOCATION PLANS

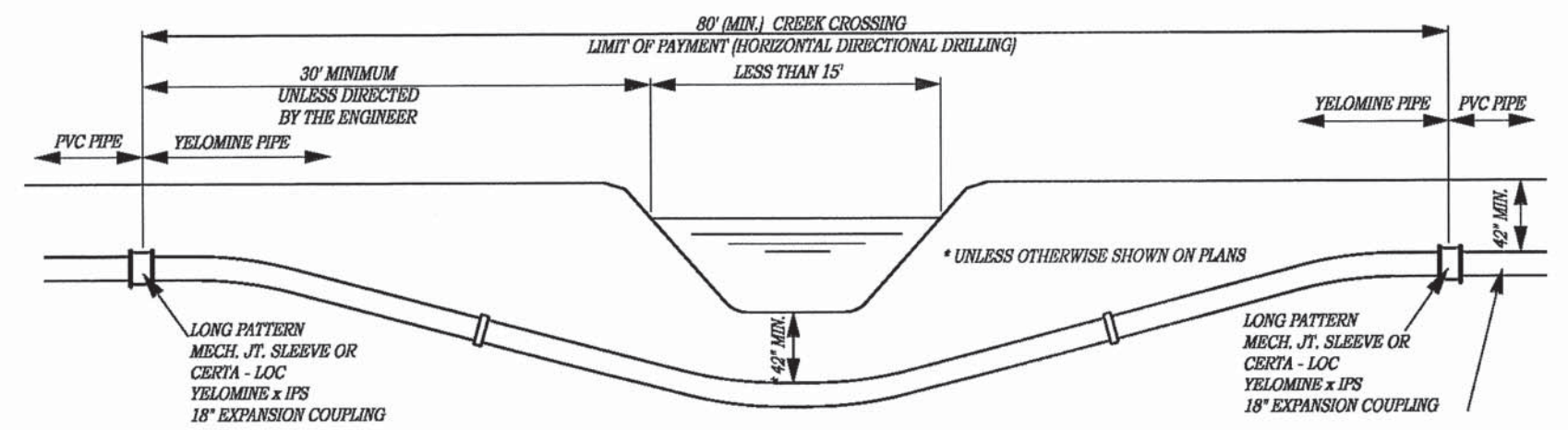
SHEET NO. 4 OF 6 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	21
ELBRIDGE ROAD DISTRICT		CONTRACT NO. 91492		
(ILLINOIS) FED. AID PROJECT BROS-0045(049)				

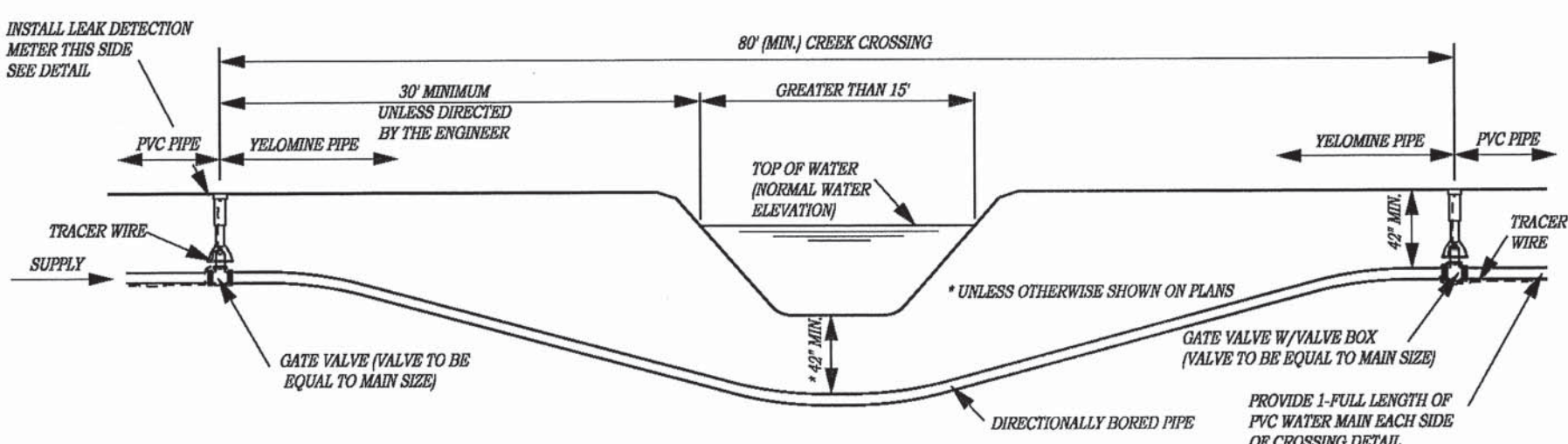


NOTE:
 ALL COPPERSETTERS SHALL BE 5/8" X 3/4" WITH 1" COMPRESSION END CONNECTIONS WITH INSERT STIFFENERS, ALL SERVICE LINES SHALL BE 1" POLYETHYLENE, AND ALL CORPORATION STOPS SHALL BE 1" WITH COMPRESSION CONNECTION OUTLET WITH INSERT STIFFENERS, UNLESS OTHERWISE SHOWN ON THE PLANS. THE COPPERSETTERS SHALL BE STAKED PER MANUFACTURER'S RECOMENDATIONS AND ENGINEER'S APPROVAL TO MAINTAIN A RIGID VERTICAL POSITION.

TYPICAL LEAK DETECTION METER BOX INSTALLATION



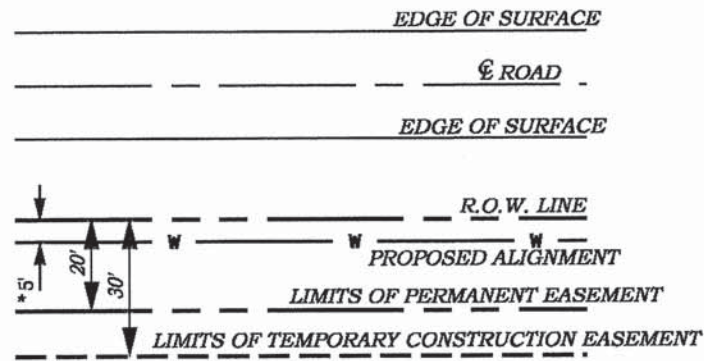
TYPICAL CREEK CROSSING LESS THAN 15'



TYPICAL CREEK CROSSING GREATER THAN 15'

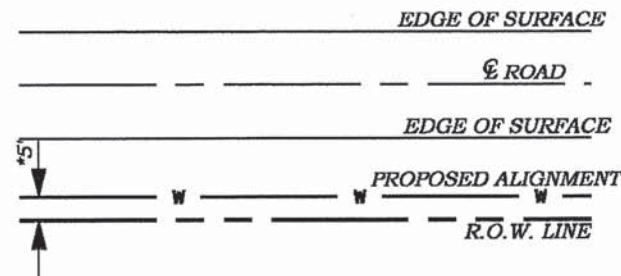
FRANCIS ASSOCIATES CONSULTING ENGINEERS LAND SURVEYORS 330 NORTH CENTRAL AVENUE PARIS, ILLINOIS 61944 PH. (217) 465-5306 PROFESSIONAL DESIGN FIRM #184-001406	SCALES PLAN : N-T-S	DRAWN TLT DATE 9/27/13 CHECKED DATE REVISED DATE REVISED DATE	FRANCIS ASSOC. FILE NO. 3810-161 (016)	CERWD WATER MAIN RELOCATION ON NORTH 600th ROAD AT SUGAR CREEK	SHEET NO. D1
	DETAIL SHEET				

FILE NAME = 120210-sht-bridge.dgn	USER NAME =	DESIGNED - C.C.S.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	WATER MAIN RELOCATION PLANS SHEET NO. 5 OF 6 SHEETS	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-00099	PLOT SCALE =	CHECKED - L.A.P.	REVISED -			275	11-04124-00-BR	EDGAR	36	22
	PLOT DATE = 3/31/2014	DRAWN - R.D.H.	REVISED -	ELBRIDGE ROAD DISTRICT		CONTRACT NO. 91492		[ILLINOIS] FED. AID PROJECT BROS-00450491		
		CHECKED - S.W.M.	REVISED -							



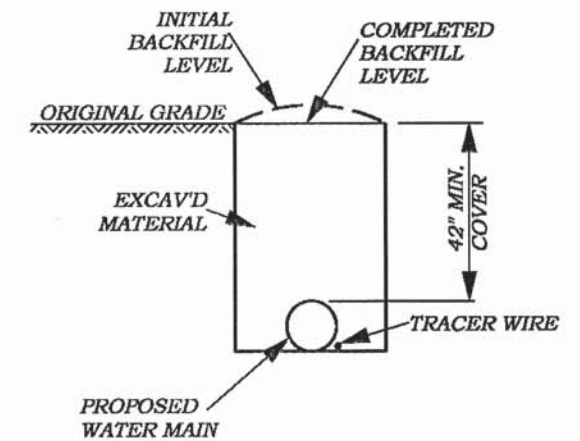
* WATER MAIN SHALL BE INSTALLED APPROXIMATELY 5' BEYOND THE R.O.W. UNLESS OTHERWISE DIRECTED BY ENGINEER NO EXCEPTIONS

INSTALLATION OF WATER MAIN ON PRIVATE EASEMENT



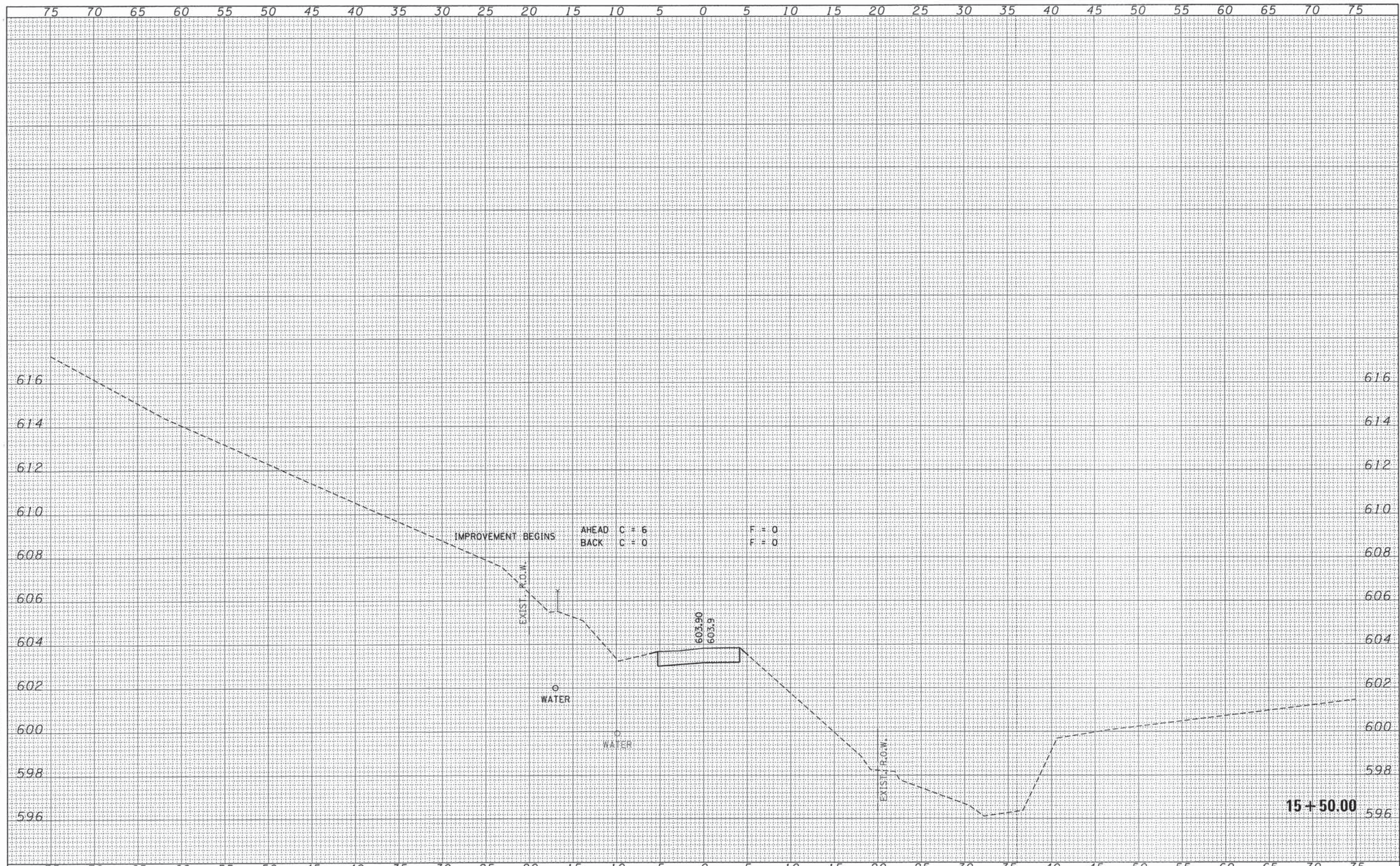
* WATER MAIN SHALL BE INSTALLED APPROXIMATELY 5' INSIDE OF THE R.O.W. UNLESS OTHERWISE DIRECTED BY ENGINEER NO EXCEPTIONS

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



TRENCH DETAIL

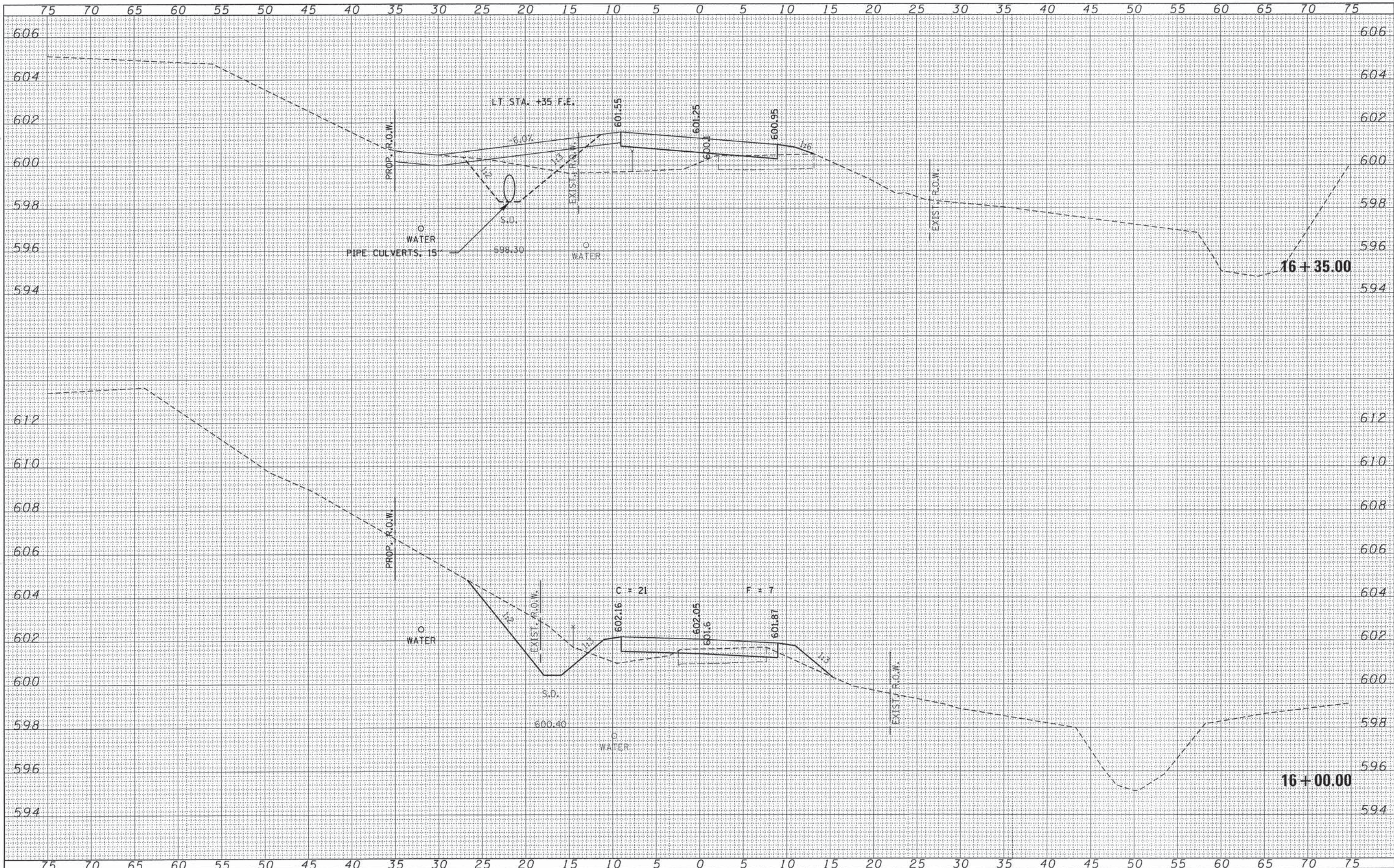
<p>FRANCIS ASSOCIATES CONSULTING ENGINEERS LAND SURVEYORS 330 NORTH CENTRAL AVENUE PARIS, ILLINOIS 61944 PH. (217) 465-5306 PROFESSIONAL DESIGN FIRM #184-001406</p>	<p>SCALES</p> <p>PLAN : N-T-S</p> <p>REVISIONS</p>	<p>DRAWN TLT DATE 9/27/13</p> <p>CHECKED DATE</p> <p>REVISIONS</p>	<p>FRANCIS ASSOC. FILE NO. 3810-161 (016)</p>	<p>CERWD WATER MAIN RELOCATION ON NORTH 600th ROAD AT SUGAR CREEK</p>	<p>SHEET NO. D2</p>
	<p>DETAIL SHEET</p>				
<p>FILE NAME * 120218-sht-bridge.dgn</p> <p>USER NAME *</p> <p>HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-000958</p>	<p>DESIGNED - C.C.S</p> <p>CHECKED - L.A.P.</p> <p>DRAWN - R.D.H.</p> <p>CHECKED - S.W.M.</p>	<p>REVISIONS</p>	<p>STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT</p>	<p>WATER MAIN RELOCATION PLANS</p> <p>SHEET NO. 6 OF 6 SHEETS</p>	<p>T.R. SECTION COUNTY TOTAL SHEETS SHEET NO.</p> <p>275 11-04124-00-BR EDGAR 36 23</p> <p>ELBRIDGE ROAD DISTRICT CONTRACT NO. 91492</p> <p>ILLINOIS FED. AID PROJECT BR05-0045(049)</p>



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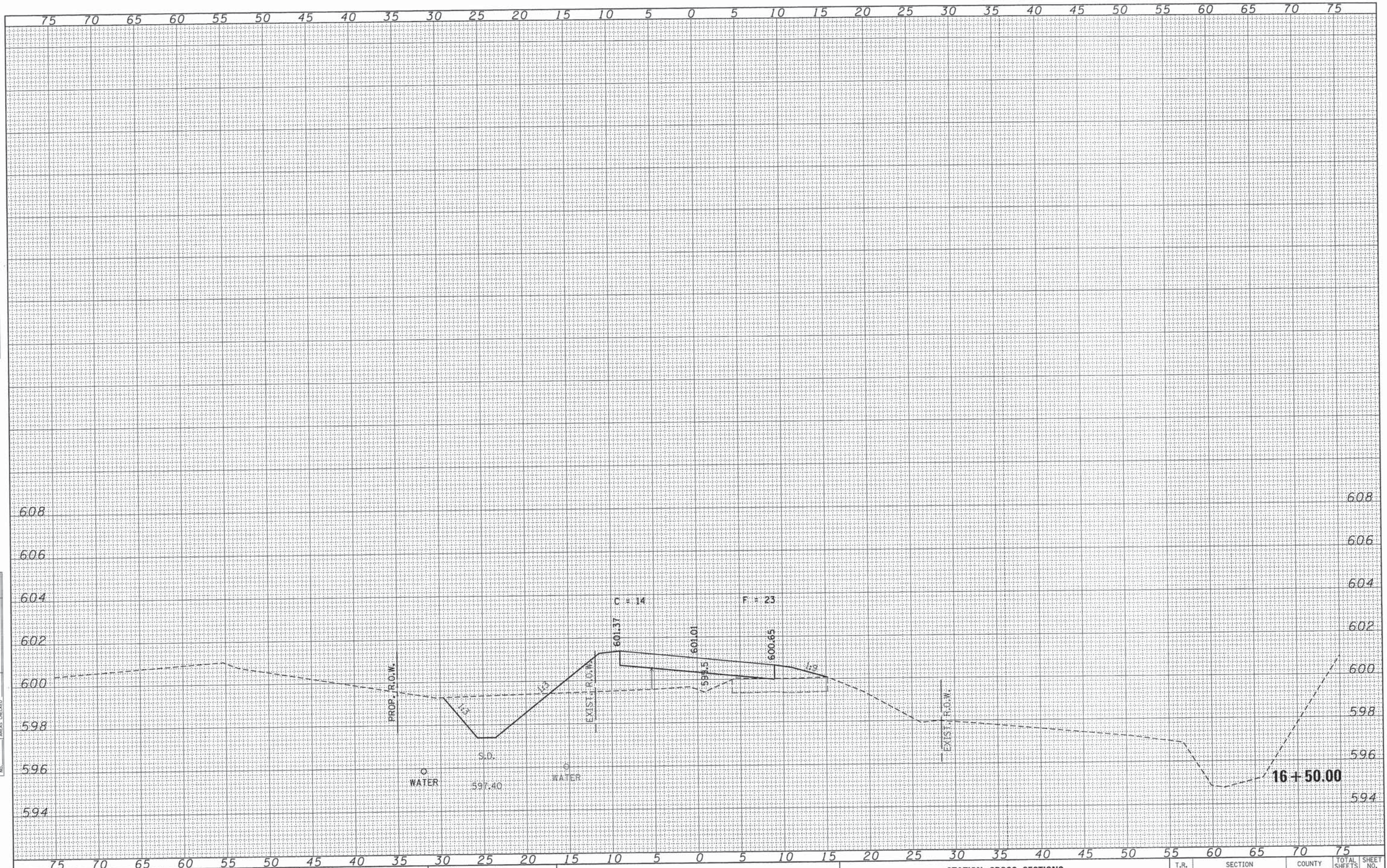
FILE NAME = 120218-ah-xxx.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT		STATION CROSS SECTIONS		T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3943 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62709 ILLINOIS PROFESSIONAL DESIGN FIRM L8 / PE / SE CORP. 184-000999	PLOT SCALE =	DRAWN - L.G.C.	REVISED -					275	11-04124-00-BR	EDGAR	36	25
	PLOT DATE = 3/31/2014	CHECKED - S.W.M.	REVISED -	SCALE: 5H:2V		SHEET NO. 2 OF 13 SHEETS		STA. 15+50.00 TO STA. 15+50.00		CONTRACT NO. 91492		
		DATE - 03/31/14	REVISED -					ILLINOIS FED. AID PROJECT BROS-00450491				



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FILE NAME = 120218-sh1t-sss.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT		STATION CROSS SECTIONS		T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 1405 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - L.G.C.	REVISED -			275	11-04124-00-BR	EDGAR	36	26		
ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184-00099	PLOT DATE = 3/31/2014	CHECKED - S.W.M.	REVISED -	SCALE: 5Hx2V	SHEET NO. 3 OF 13 SHEETS	STA. 16+00.00 TO STA. 16+35.00	ELBRIDGE ROAD DISTRICT		CONTRACT NO. 91492	ILLINOIS FED. AID PROJECT BROS-0046(049)		



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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

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

FILE NAME = 120218-ahtr-axs.dgn
 HAMPTON, LENZINI AND RENWICK, INC.
 2045 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62708
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.00059

USER NAME =	DESIGNED - J.W.F.	REVISED -
PLOT SCALE =	DRAWN - L.G.C.	REVISED -
PLOT DATE = 3/31/2014	CHECKED - S.W.M.	REVISED -
	DATE - 03/31/14	REVISED -

STATE OF ILLINOIS
 EDGAR COUNTY HIGHWAY DEPARTMENT

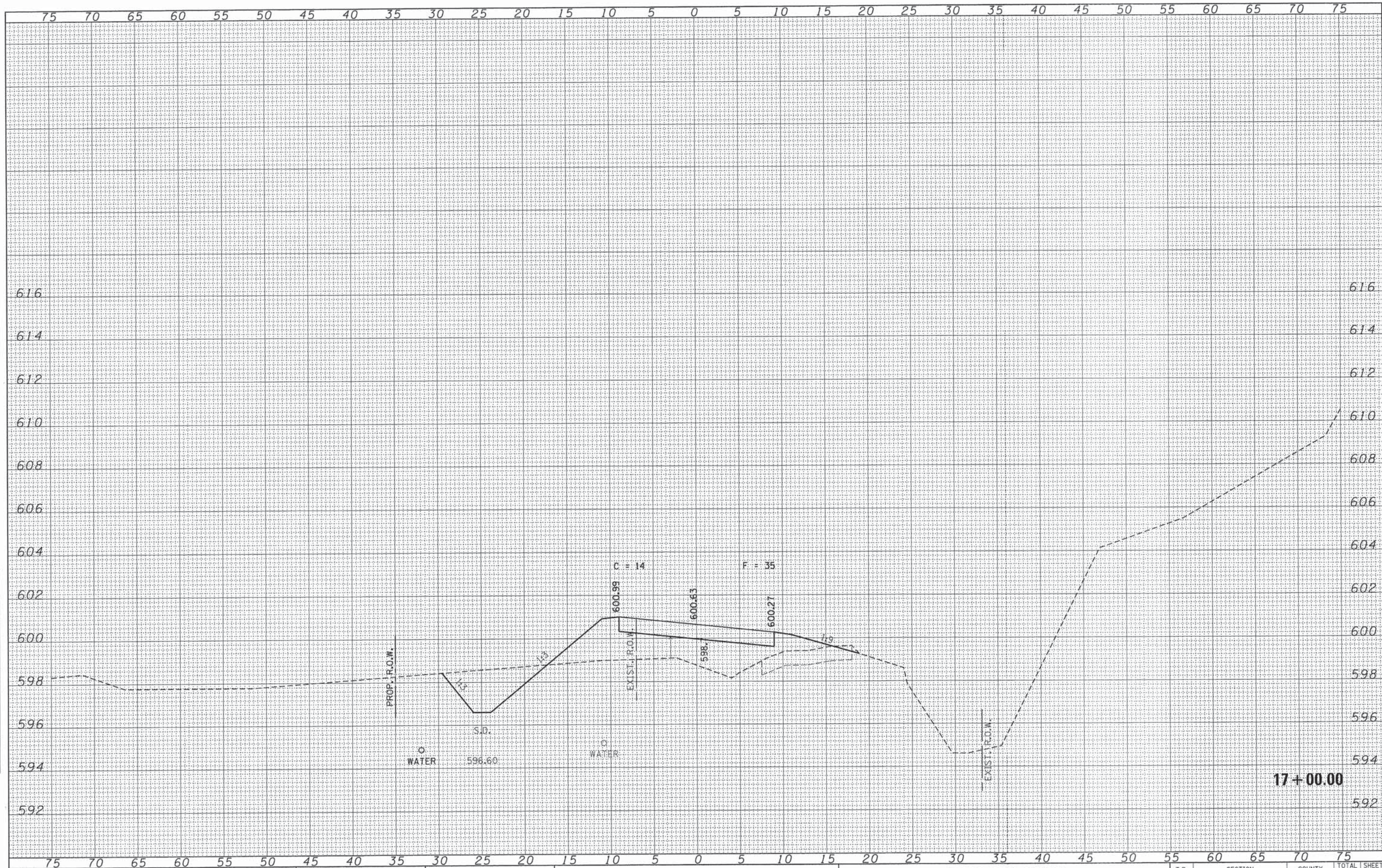
SCALE: 5H:2V
 SHEET NO. 4 OF 13 SHEETS
 STA. 16+50.00 TO STA. 16+50.00

STATION CROSS SECTIONS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	27
ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492	
[ILLINOIS] FED. AID PROJECT BR05-0045049				

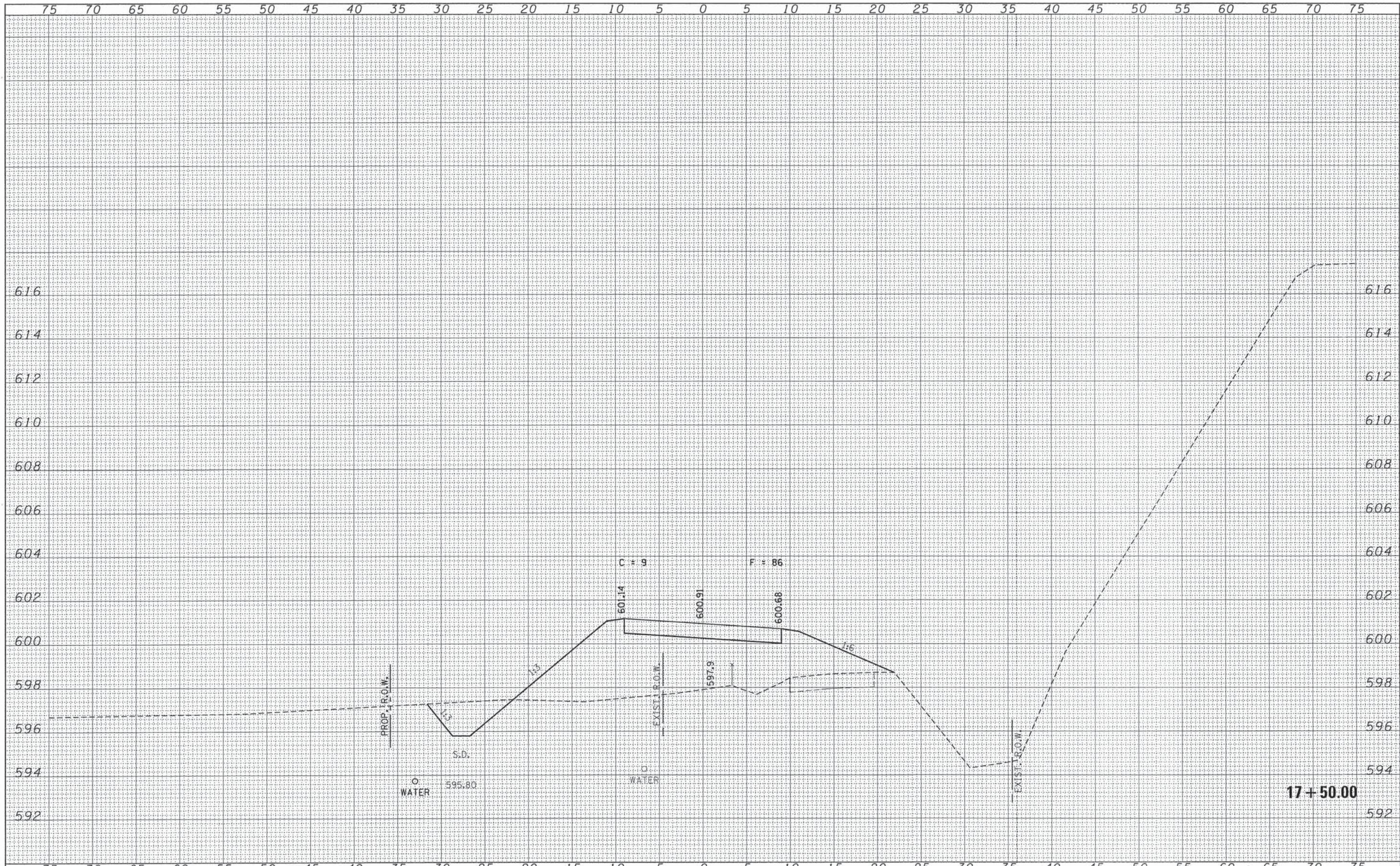
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FILE NAME = 120218-sh1-rwa.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS				
HAMPTON, LENZINI AND RENWICK, INC. 300 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62702	PLOT SCALE =	DRAWN - L.G.C.	REVISED -		T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000989	PLOT DATE = 3/31/2014	CHECKED - S.W.M.	REVISED -		275	11-04124-00-BR	EDGAR	36	28
		DATE - 03/31/14	REVISED -		CONTRACT NO. 91492				

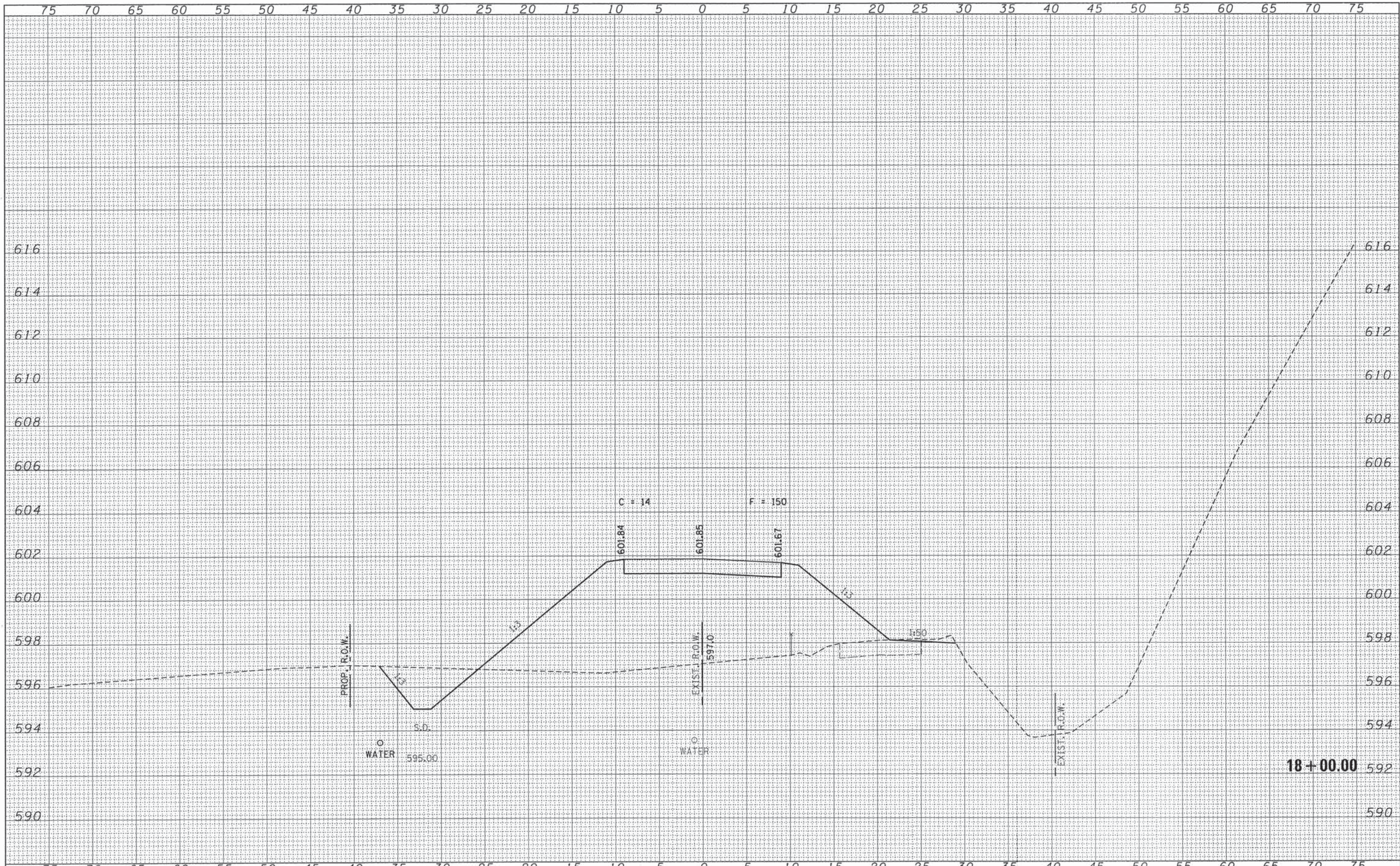
SCALE: 5Hx2V SHEET NO. 5 OF 13 SHEETS STA. 17+00.00 TO STA. 17+00.00 ILLINOIS FED. AID PROJECT BROS-0045(049)



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FILE NAME = 128218-sht-axe.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	<p align="center">STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT</p> <p>SCALE: 5H:2V SHEET NO. 6 OF 13 SHEETS STA. 17+50.00 TO STA. 17+50.00</p>	<p align="center">STATION CROSS SECTIONS</p>		T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.	PLOT SCALE =	DRAWN - L.G.C.	REVISED -		275	11-04124-00-BR	EDGAR	36	29		
1101 W. MONROE DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT DATE = 3/31/2014	CHECKED - S.W.M.	REVISED -		ELBRIDGE ROAD DISTRICT		CONTRACT NO. 91492				
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 154-00999	DATE - 03/31/14	REVISED -			ILLINOIS FED. AID PROJECT BR05-0045(049)						



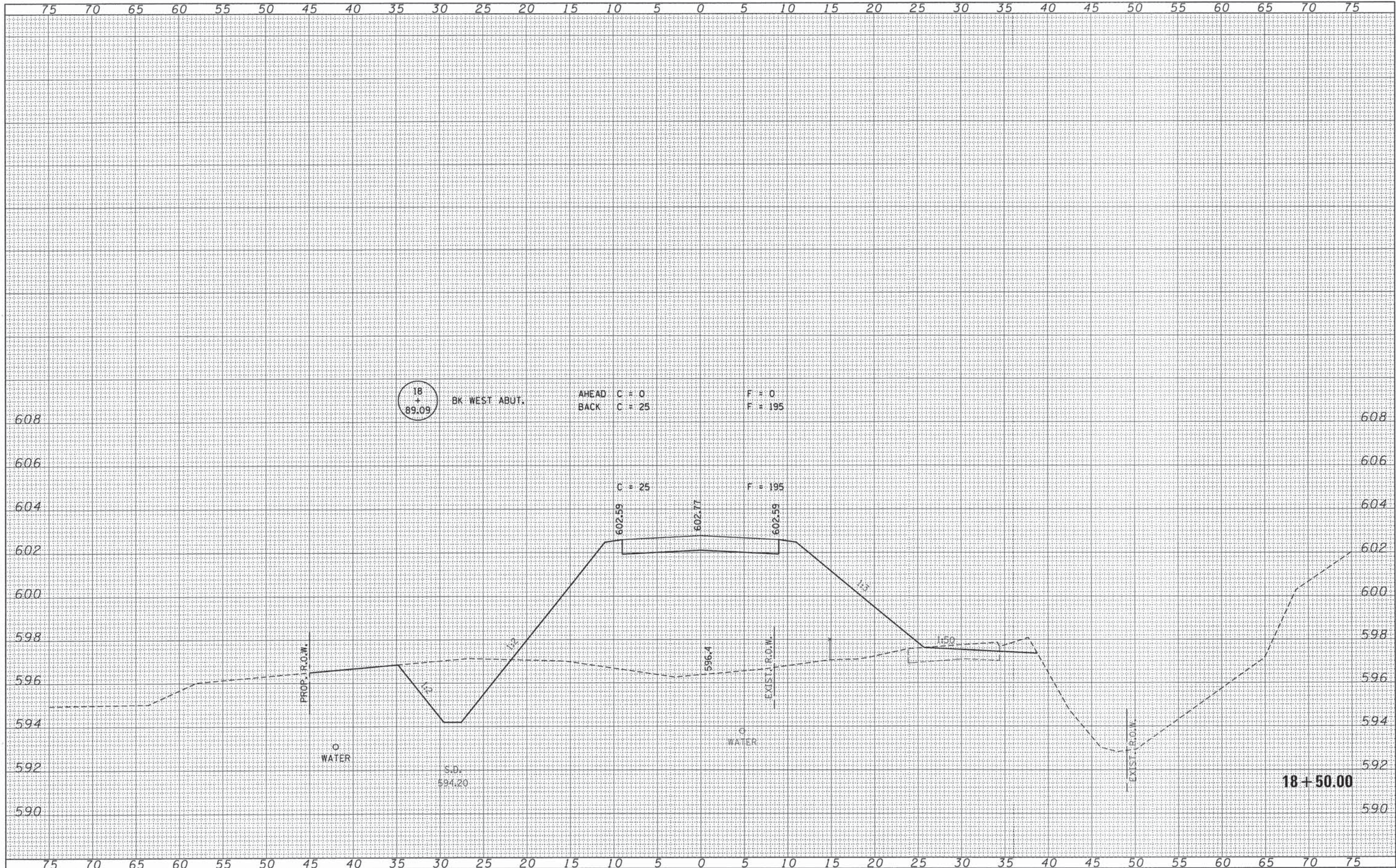
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FILE NAME = 128218-shr-sss.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT				STATION CROSS SECTIONS				T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3805 S. BIRCHWOOD DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - L.G.C.	REVISED -					275	11-04124-00-BR	EDGAR	36	30				
ILLINOIS PROFESSIONAL DESIGN FIRM LE 1 PE 1 SE CORP. 184-00099	PLOT DATE = 3/31/2014	CHECKED - S.W.M.	REVISED -	SCALE: 5H:2V				SHEET NO. 7 OF 13 SHEETS		STA. 18+00.00 TO STA. 18+00.00		ELBRIDGE ROAD DISTRICT		CONTRACT NO. 91492		ILLINOIS FED. AID PROJECT BROS-00450491
		DATE - 03/31/14	REVISED -													

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FILE NAME = 128218-shr-xxs.dgn
 HAMPTON, LENZINI AND RENWICK, INC.
 208 STEVENSON DRIVE, SUITE 301
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184-00089

USER NAME =	DESIGNED - J.W.F.	REVISED -
	DRAWN - L.G.C.	REVISED -
	CHECKED - S.W.M.	REVISED -
	DATE - 03/31/14	REVISED -
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PLOT DATE = 3/31/2014		

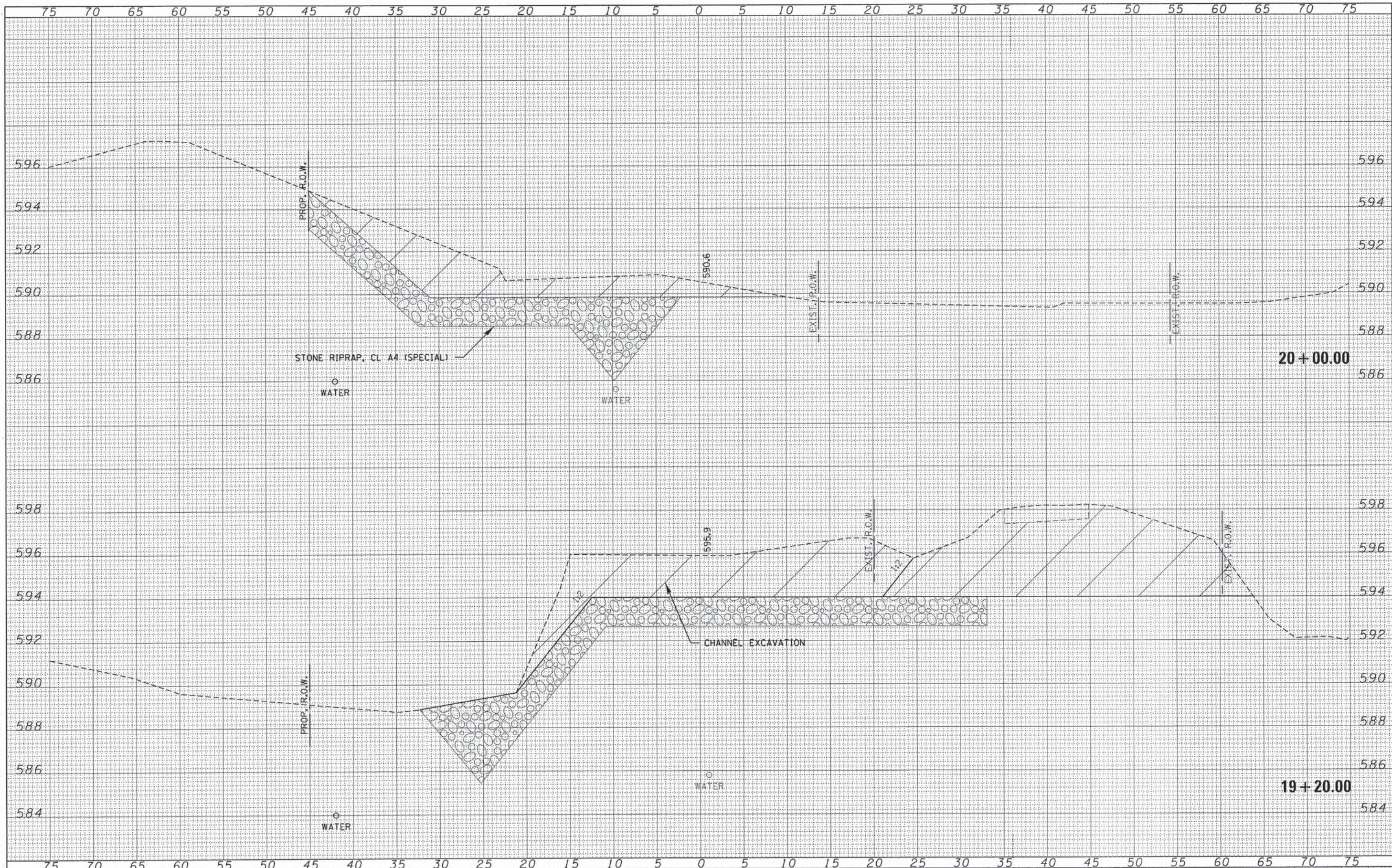
STATE OF ILLINOIS
 EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS			
T.R.	SECTION	COUNTY	TOTAL SHEETS
275	11-04124-00-BR	EDGAR	36
ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492
SCALE: 5H:2V		SHEET NO. 8 OF 13 SHEETS	
STA. 18+50.00 TO STA. 18+50.00			

TOTAL SHEETS	SHEET NO.
36	31
ILLINOIS FED. AID PROJECT BR05-00450(49)	

DATE	BY

DATE	BY



FILE NAME = 128218-sht-axa.dgn

USER NAME =
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 CHECKED - S.W.M.
 DATE - 03/31/14
 PLOT SCALE =
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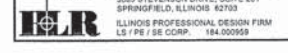
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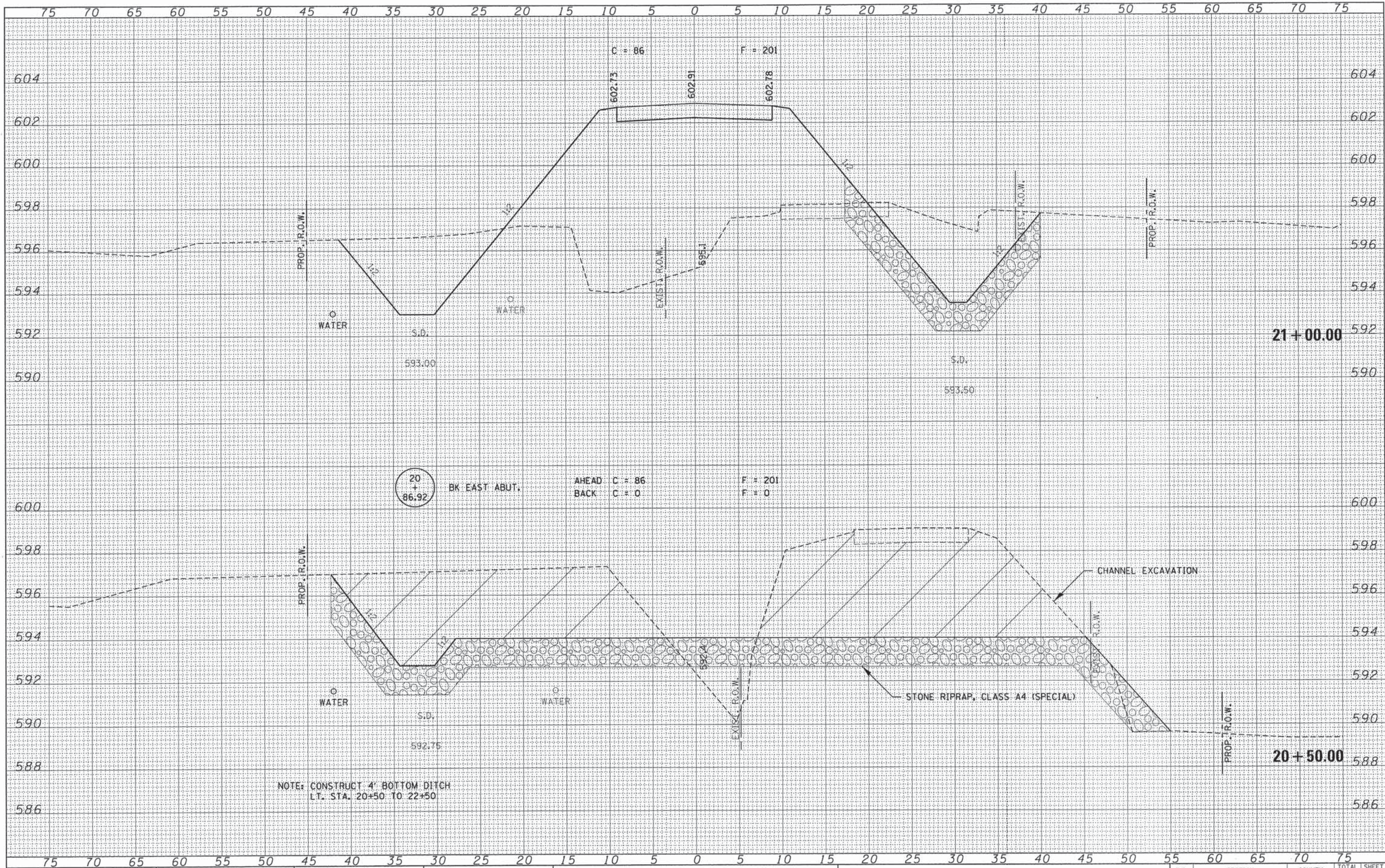
STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V
 SHEET NO. 9 OF 13 SHEETS
 STA. 19+20.00 TO STA. 20+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	32
ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492	
ILLINOIS FED. AID PROJECT BR05-0045(049)				





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NOTE: CONSTRUCT 4' BOTTOM DITCH
LT. STA. 20+50 TO 22+50

FILE NAME = 120210-shr-axs.dgn
 HAMPTON, LENZINI AND RENWICK, INC.
 3005 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.200893

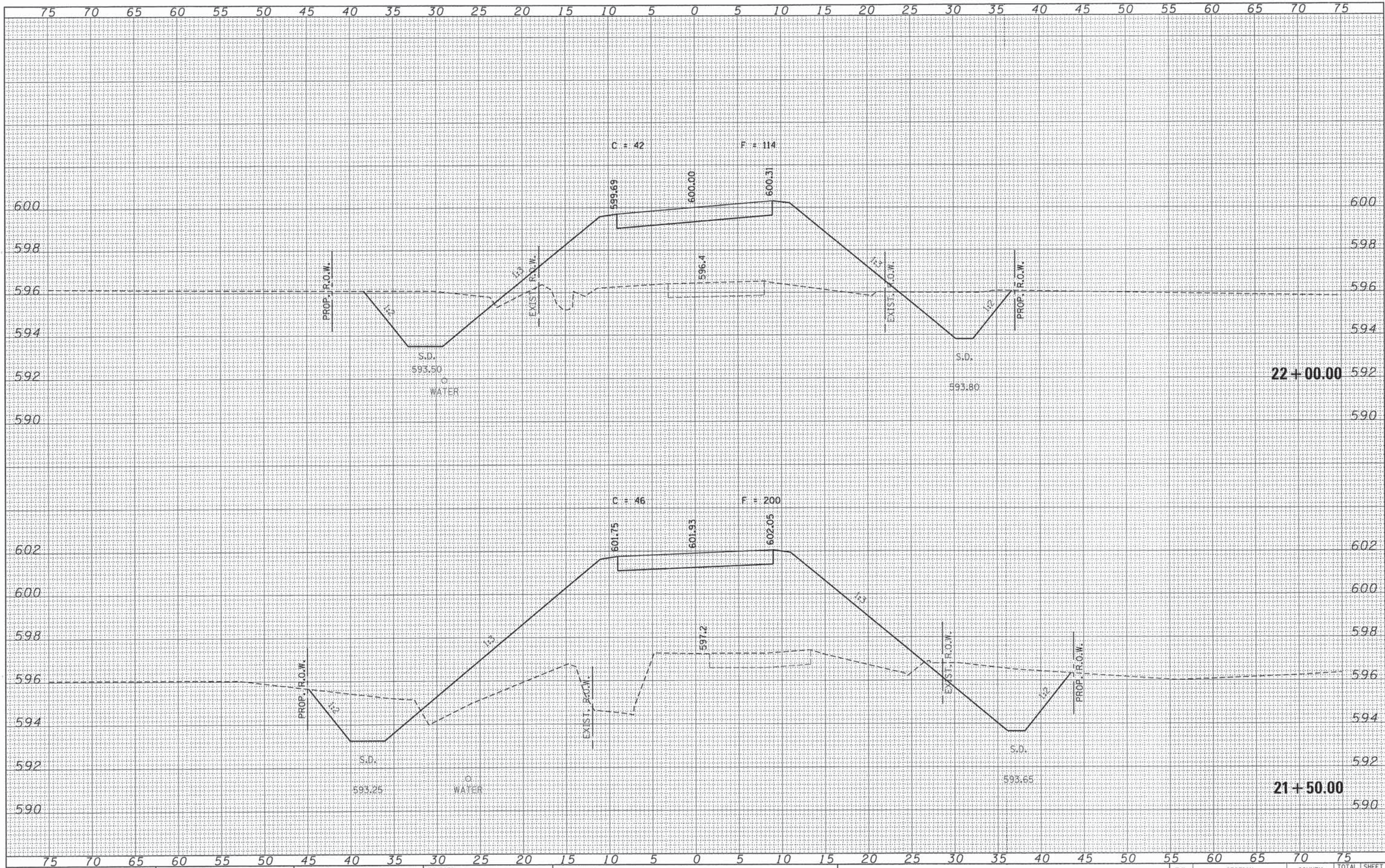
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	DRAWN - L.G.C.	REVISED -
	CHECKED - S.W.M.	REVISED -
PLOT SCALE =	DATE - 03/31/14	REVISED -
PLOT DATE = 3/31/2014		

STATE OF ILLINOIS
EDGAR COUNTY HIGHWAY DEPARTMENT

SCALE: 5H:2V
 SHEET NO. 10 OF 13 SHEETS
 STA. 20+50.00 TO STA. 21+00.00

STATION CROSS SECTIONS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
275	11-04124-00-BR	EDGAR	36	33
ELBRIDGE ROAD DISTRICT			CONTRACT NO. 91492	
ILLINOIS FED. AID PROJECT BROS-004510493				



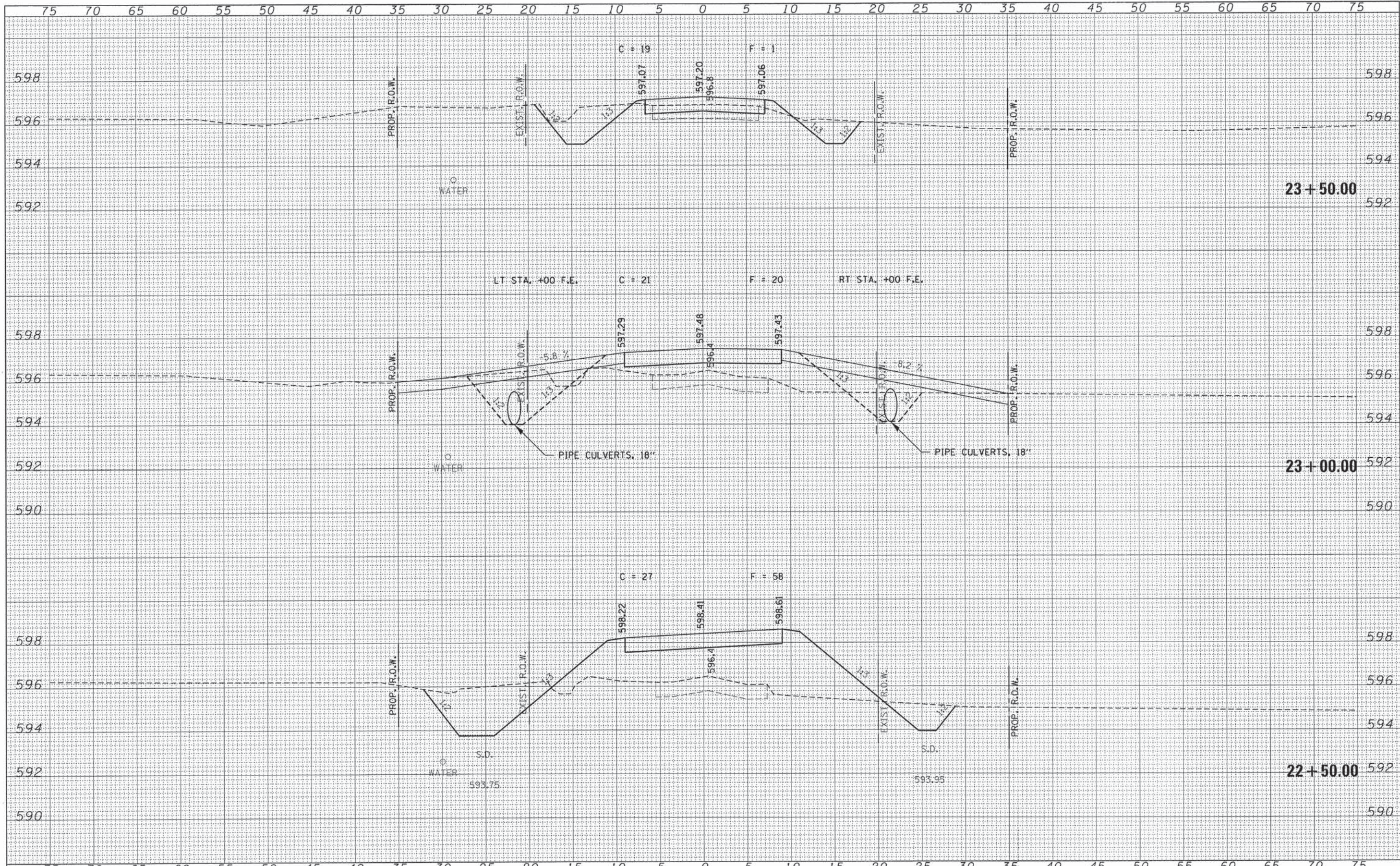
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HAMPTON, LENZINI AND RENWICK, INC.	PLOT SCALE =	DRAWN - L.G.C.	REVISED -		275	11-04124-00-BR	EDGAR	36	34
3888 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT DATE = 3/31/2014	CHECKED - S.W.M.	REVISED -		ELBRIDGE ROAD DISTRICT				
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-00099	DATE = 03/31/14	DATE - 03/31/14	REVISED -		CONTRACT NO. 91492				

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NOTE BOOK	
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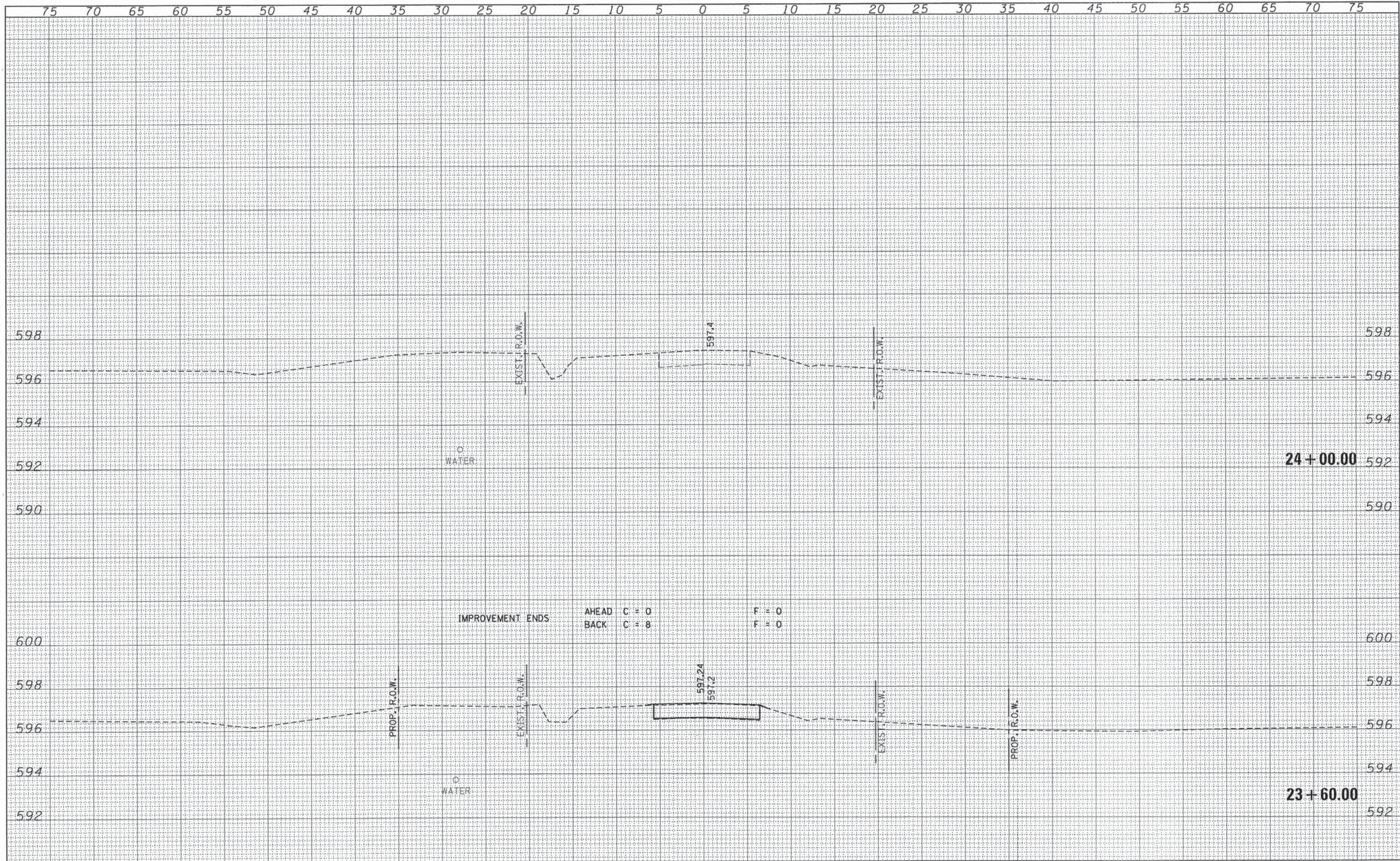
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NOTE BOOK	
AREAS CHECKED	
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FILE NAME = 128218-sh1-sss.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT				STATION CROSS SECTIONS				T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 308 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62769	PLOT SCALE =	DRAWN - L.G.C.	REVISED -					SCALE: 5H:2V	SHEET NO. 12 OF 13 SHEETS	STA. 22+50.00 TO STA. 23+50.00	275	11-04124-00-BR	EDGAR	36	35	
ILLINOIS PROFESSIONAL DESIGN FIRM 18 / PE / SE CORP. 184-00089	PLOT DATE = 3/31/2014	CHECKED - S.W.M.	REVISED -					ELBRIDGE ROAD DISTRICT				CONTRACT NO. 91492				
		DATE - 03/31/14	REVISED -					ILLINOIS FED. AID PROJECT BROS-004510493								

DATE	
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FINAL SURVEY	
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FILE NAME = 120218-shl*sss.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS EDGAR COUNTY HIGHWAY DEPARTMENT				STATION CROSS SECTIONS				T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3081 EYEVENDOR DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62765	PLOT SCALE =	DRAWN - L.G.C.	REVISED -					SCALE: 5H:2V	SHEET NO. 13 OF 13 SHEETS	STA. 23+60.00	TO STA. 24+00.00	275	11-04124-00-BR	EDGAR	36	36
ILR ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E. INCORP. 184-000559	PLOT DATE = 3/31/2014	CHECKED - S.W.M.	REVISED -	ELBRIDGE ROAD DISTRICT				CONTRACT NO. 91492				ILLINOIS FED. AID PROJECT BR05-0045049				
		DATE - 03/31/14	REVISED -													