

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 179	16-09124-00-BR	CLAY	25	1
FED. ROAD DIST. NO.		ILLINOIS CONTRACT NO. 95850		

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
6-13.	BRIDGE PLANS
14.	BORINGS
15-25.	STATION CROSS SECTIONS

HIGHWAY STANDARDS:

000001-07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
515001-03	NAME PLATE FOR BRIDGES
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 27-1	TRAFFIC BARRIER TERMINAL, TYPE 5A

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

**PROJECT M3XU(565)
SECTION 16-09124-00-BR
PIXLEY TOWNSHIP
CLAY COUNTY
T.R. 179 / QUARTZ LANE
PROPOSED STRUCTURE NO. 013-3252
C-97-050-18**

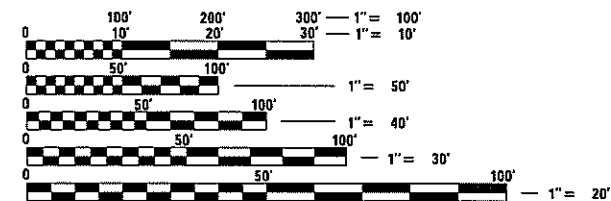
UTILITIES

CLAY ELECTRIC CO-OP
P.O. BOX 517
7784 OLD HWY. 50
FLORA, IL 62839

EJ WATER COOPERATIVE, INC.
P.O. BOX 8
108 S. MAIN ST.
DIETERICH, IL 62424

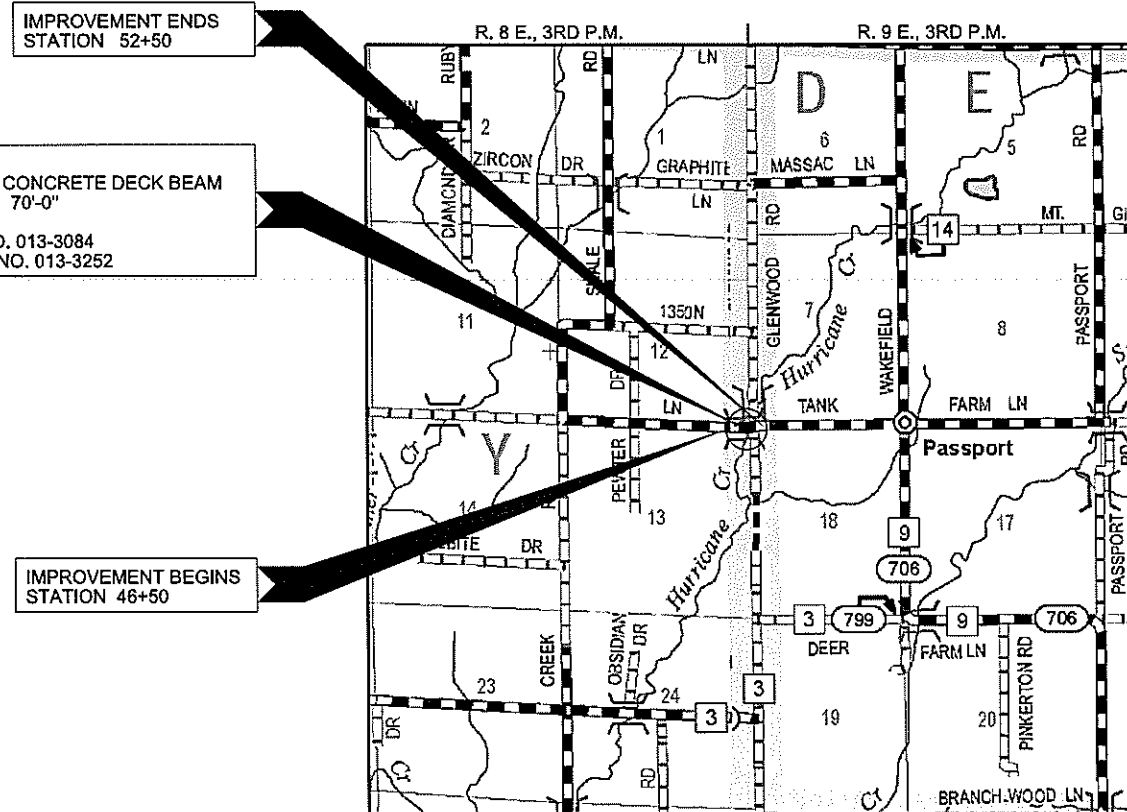
WABASH COMMUNICATIONS CO-OP
210 S. CHURCH ST.
LOUISVILLE, IL 62858

STA. 50+02
PRECAST PRESTRESSED CONCRETE DECK BEAM
BRIDGE, SINGLE SPAN @ 70'-0"
24'-0" RDWY.; SKEW = 20°
EXISTING STRUCTURE NO. 013-3084
PROPOSED STRUCTURE NO. 013-3252



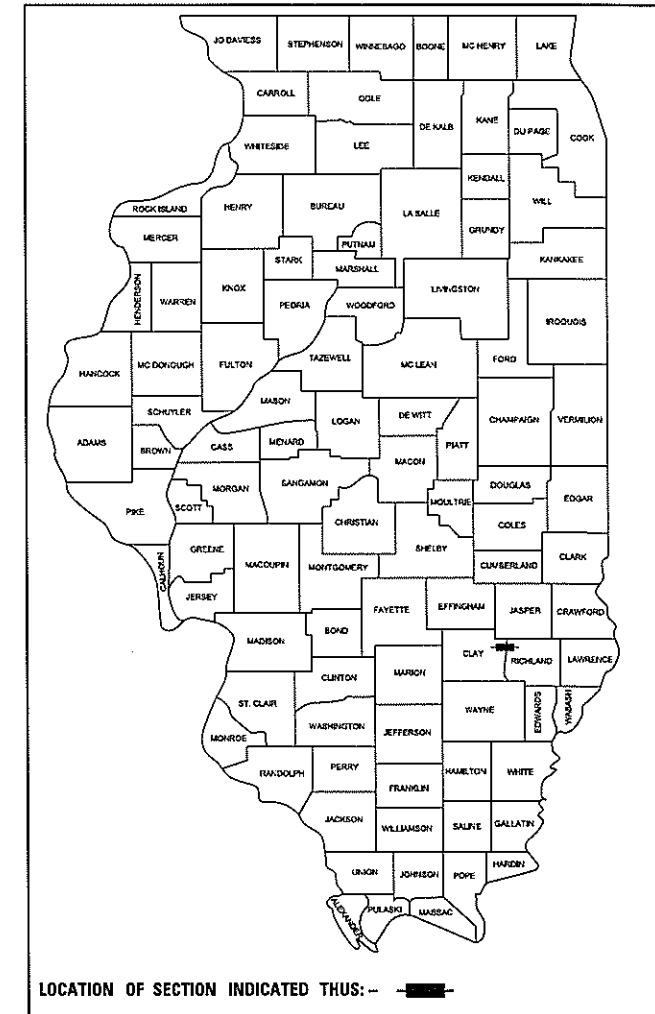
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

FUNCTIONAL CLASSIFICATION: LOCAL ROAD
DESIGN SPEED: 30 MPH
DESIGN TRAFFIC: 50 ADT



LOCATION MAP

APPROXIMATE SCALE: 0 1/2 MILE
NET LENGTH OF SECTION = 600 FEET = 0.114 MILES



LOCATION OF SECTION INDICATED THUS: -



ILLINOIS DEPARTMENT OF TRANSPORTATION

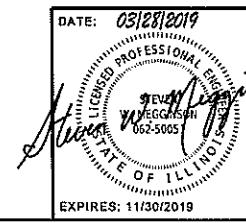
APPROVED: *[Signature]*
COUNTY ENGINEER

APPROVED: *[Signature]*
TOWNSHIP COMMISSIONER

PASSED: *[Signature]*
DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bids Based on Limited Review: *[Signature]*
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DATE: 03/28/2019

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

184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

EXPIRES: 11/30/2019 PROJECT NUMBER: 17.0520.130 DATE: 03/28/19

SUMMARY OF QUANTITIES			
ITEM NO.	ITEM	CONSTRUCTION TYPE CODE 0010	
		UNIT	TOTAL
20200100	EARTH EXCAVATION	CU YD	170
20300100	CHANNEL EXCAVATION	CU YD	40
20400800	FURNISHED EXCAVATION	CU YD	2,005
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	515
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	28.0
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,680
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,080
* 50900205	STEEL RAILING, TYPE S1	FOOT	146
51201400	FURNISHING STEEL PILES HP10X42	FOOT	270
51202305	DRIVING PILES	FOOT	270
51203400	TEST PILE STEEL HP10X42	EACH	1
51500100	NAME PLATES	EACH	1
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	75
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
67100100	MOBILIZATION	L SUM	1
^ X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.4
^ X2810208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	370

^ SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

GENERAL NOTES

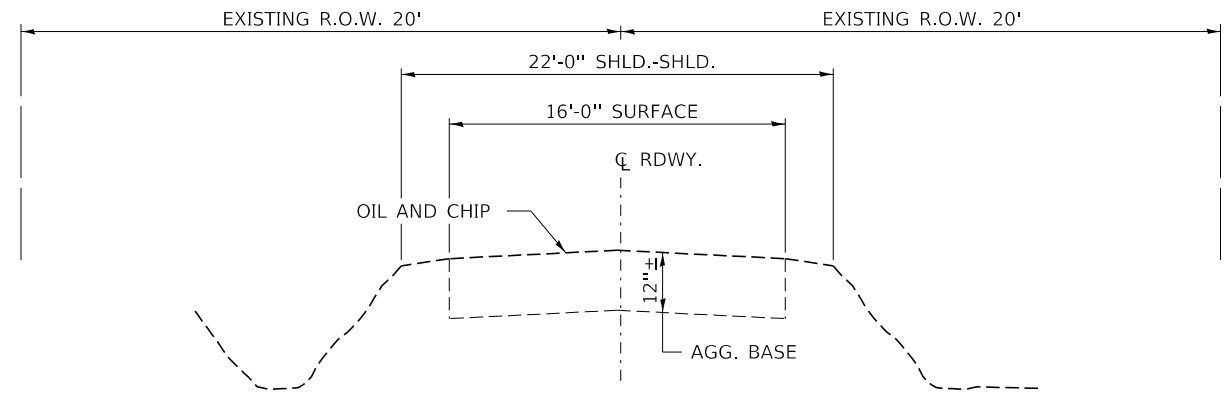
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED APRIL 1, 2016", (HERE IN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2019; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE DETAILS IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE DOCUMENTS.
- ALL CLEARING AND GRUBBING, TREE REMOVAL, AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE REMOVAL OF THE EXISTING BITUMINOUS SURFACE WILL BE PAID FOR AS EARTH EXCAVATION. ALL BITUMINOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. PROPER DISPOSAL OF BITUMINOUS MATERIAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE LOCATION ON THE PLANS OF EXISTING DRAINAGE STRUCTURES, TELEPHONE LINES, ELECTRIC LINES, WATER SERVICE LINES, GAS MAINS, AND OTHER UTILITY FACILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- THE REVISION NUMBER INDICATED FOR THE STANDARDS LISTED IN THE INDEX SHEETS SHALL BE USED IN THE CONSTRUCTION OF THIS SECTION.
- THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES
AGGREGATE SURFACE COURSE 2.05 TON/CU.YD.
STONE RIPRAP, CLASS A4 1.75 TON/CU.YD.
- EARTH SURFACES SHALL BE SEEDED WITHIN 14 DAYS OF THE END OF ACTIVE DISTURBANCE. THE AREA TO BE SEEDED SHALL CONSIST OF ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION AND AS DIRECTED BY THE ENGINEER.
ESTIMATED AREAS OF SEEDING: SEEDING, CLASS 2 (SPECIAL) 0.40 ACRES
- ANY SUITABLE MATERIAL FROM EXCAVATION IN THE CHANNEL MAY BE USED IN THE CONSTRUCTION AT THE ROADWAY EMBANKMENTS AS DIRECTED BY THE ENGINEER, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- COMMITMENTS:
1) THE CONTRACTOR SHALL INSPECT THE STRUCTURE FOR SIGNS OF BAT USAGE PRIOR TO WORK IF CONSTRUCTION BEGINS BEFORE NOVEMBER 2020.
2) TREES GREATER THAN 3" DIA. SHALL NOT BE CLEARED FROM APRIL 1 TO SEPTEMBER 30.

EARTHWORK SUMMARY

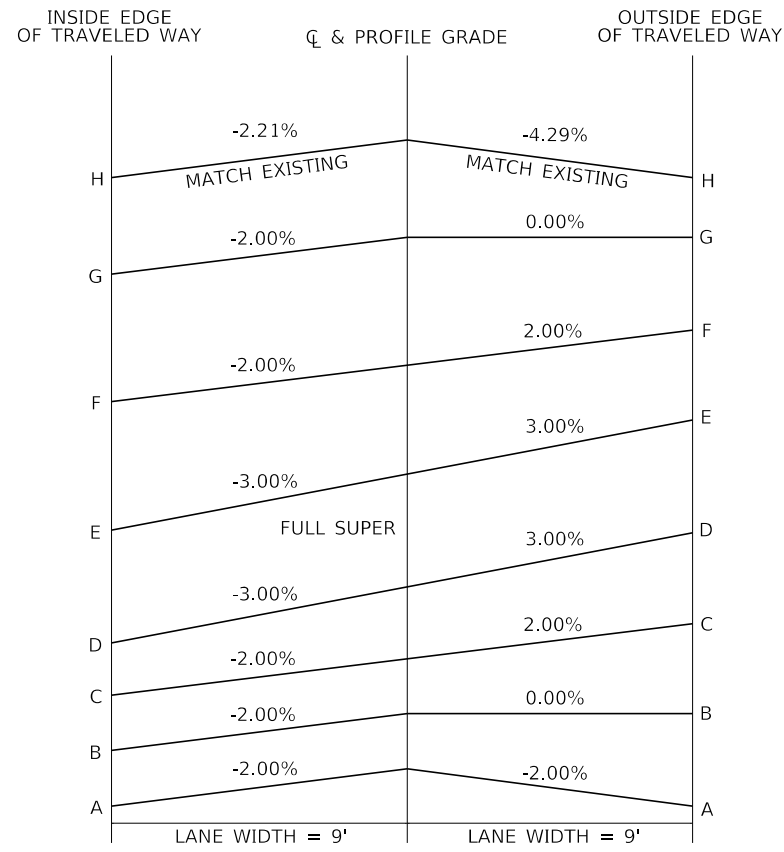
LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	% USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE(25%)	EMBANKMENT REQUIRED	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CUBIC YARD	CUBIC YARD			CUBIC YARD	CUBIC YARD	CUBIC YARD
TR 179 / Quartz Lane							
STA. 46+50 TO STA. 49+66.29	116		25.00%	100.00%	87	896	-809
STA. 49+66.29 TO STA. 50+37.71		40	25.00%	70.00%	21		21
STA. 50+37.71 TO STA. 52+50	54		25.00%	100.00%	40	1255	-1215
TOTAL	170	40			148	2151	-2003
USE	170	40					2005

FURNISHED 2005 CU YDS

FILE NAME = 170520-ehd-summary.dgn	USER NAME = rthosick	DESIGNED - J.W.F	REVISED -	STATE OF ILLINOIS CLAY COUNTY HIGHWAY DEPARTMENT	SUMMARY OF QUANTITIES AND GENERAL NOTES	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	DRAWN - M.M.P.	REVISED -	179			16-08124-00-BR	CLAY	25	2	
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / P/E / SE CORP. 184-000399	CHECKED - S.W.M.	REVISED -	PIXLEY TOWNSHIP			CONTRACT NO. 95850				
PLOT SCALE = SCALES	DATE - 03/28/19	REVISED -	ILLINOIS FED. AID PROJECT MBXJ(658)							
PLOT DATE = 3/28/2019	DATE - 03/28/19	REVISED -	SCALE:	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.					

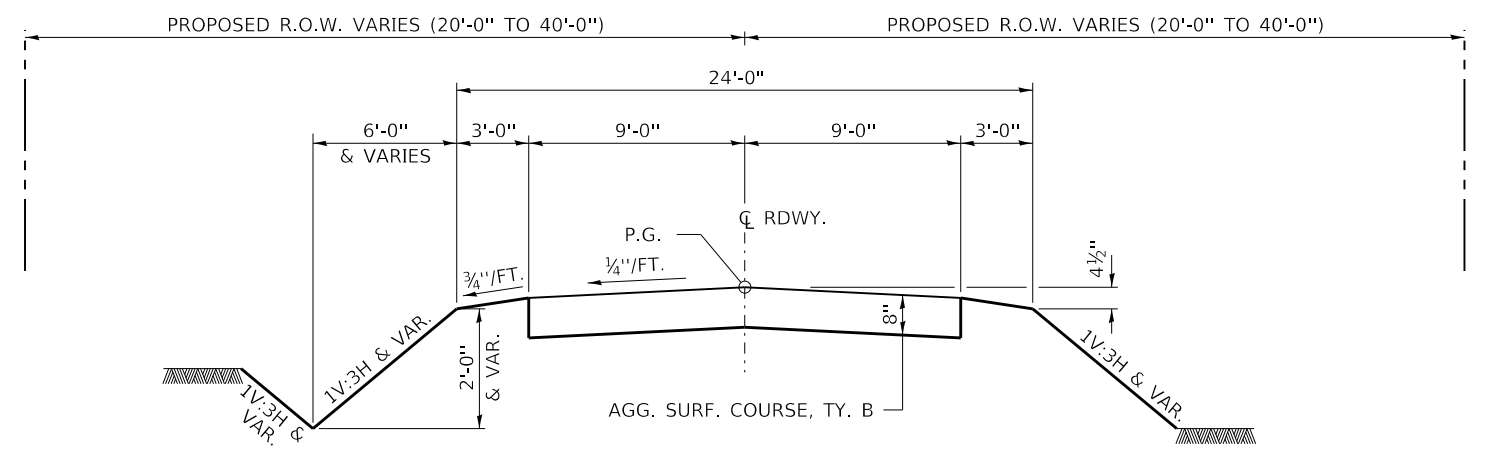


EXISTING TYPICAL CROSS SECTION
STA. 46+50 TO 52+50

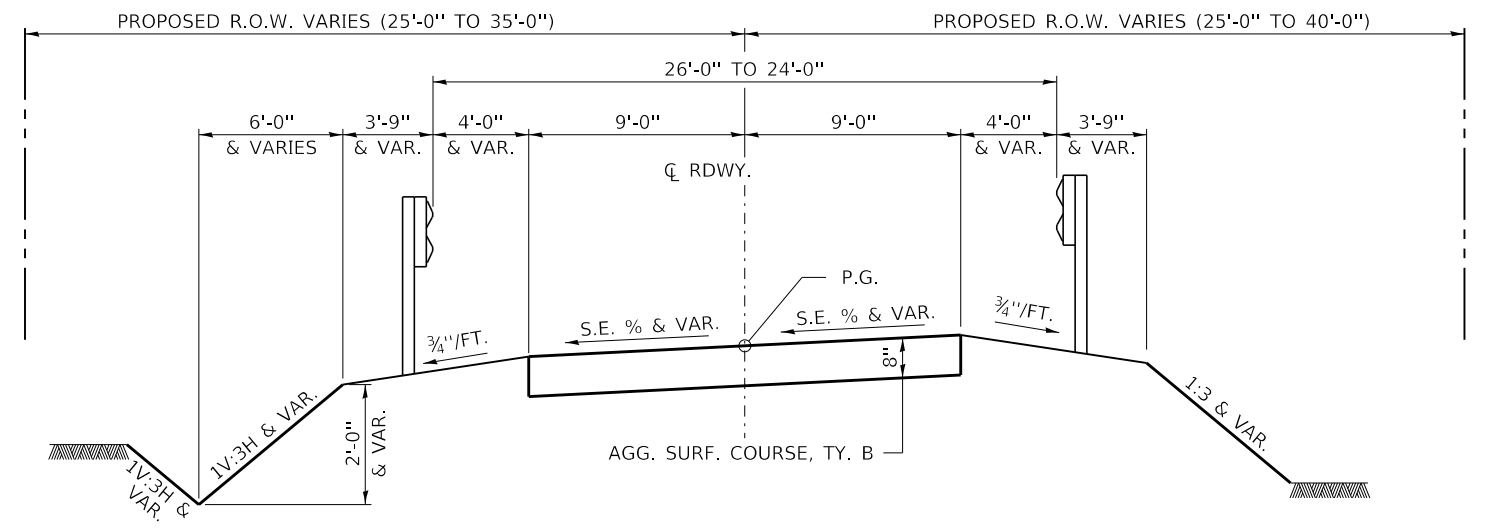


CURVE 1 SUPERELEVATION TRANSITION			
LOCATION	STATION	CROSS SLOPE	
		LEFT	RIGHT
A	48+86.00	-2.00%	-2.00%
B	49+13.40	-2.00%	0.00%
C	49+40.80	-2.00%	2.00%
D	49+54.40	-3.00%	3.00%
FULL SUPER			
E	51+90.00	-3.00%	3.00%
F	52+03.60	-2.00%	2.00%
G	52+31.00	-2.00%	0.00%
H	52+50.00	-2.21%	-4.29%

SUPERELEVATION TRANSITIONS
NOTE PT TRANSITION SPECIAL TO MATCH EXISTING PAVEMENT



PROPOSED TYPICAL CROSS SECTION
STA. 46+50 TO 48+86



PROPOSED TYPICAL CROSS SECTION
STA. 48+86 TO 52+50

TRANSITIONS FROM THE PROPOSED ROADWAY TO THE EXISTING ROADWAY ARE TO BE CONSTRUCTED FROM STA. 46+50 TO 47+00 AND STA. 52+00 TO 52+50.

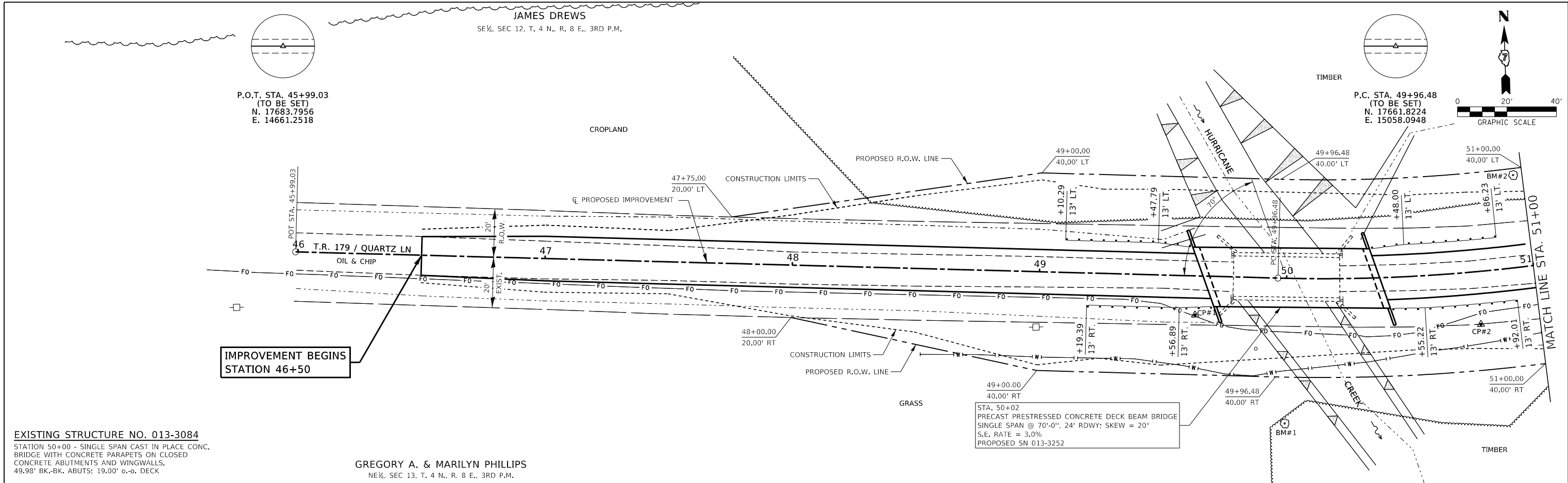
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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - M.M.P.	REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = \$SCALE\$	CHECKED - S.W.M.	REVISED -
HLR	PLOT DATE = 3/28/2019	DATE - 03/28/19	REVISED -

STATE OF ILLINOIS
CLAY COUNTY HIGHWAY DEPARTMENT

TYPICAL CROSS SECTIONS		T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET NO. 1 OF 1 SHEETS	179	16-09124-00-BR	CLAY	25	3
STA.	TO STA.	PIXLEY TOWNSHIP		CONTRACT NO. 95850		
		ILLINOIS		FED. AID PROJECT M3XU(665)		

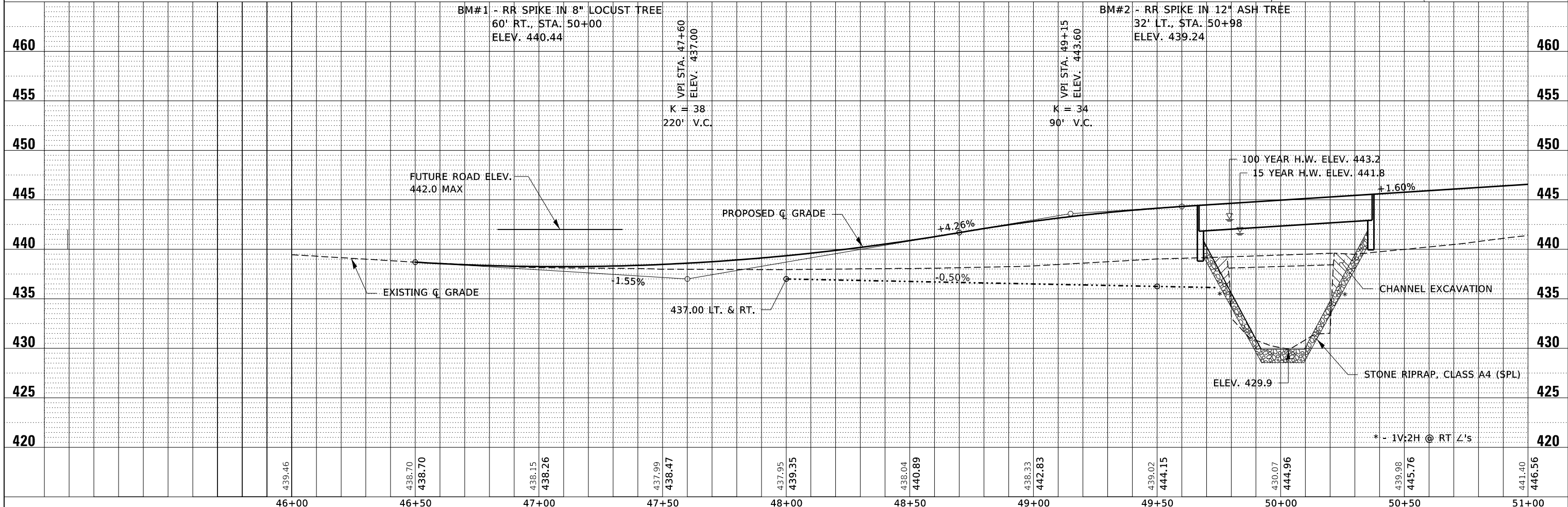
PLAN	DATE
BY	
REVIEWED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
STRUCTURE NOTATING CHECKED	
NOTE BOOK NO.	
FILE NAME	

PROFILE	DATE
BY	
REVIEWED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATING CHECKED	
NOTE BOOK NO.	
FILE NAME	



EXISTING STRUCTURE NO. 013-3084
 STATION 50+00 - SINGLE SPAN CAST IN PLACE CONC. BRIDGE WITH CONCRETE PARAPETS ON CLOSED CONCRETE ABUTMENTS AND WINGWALLS.
 49.98' BK.-BK. ABUTS; 19.00' o.-o. DECK

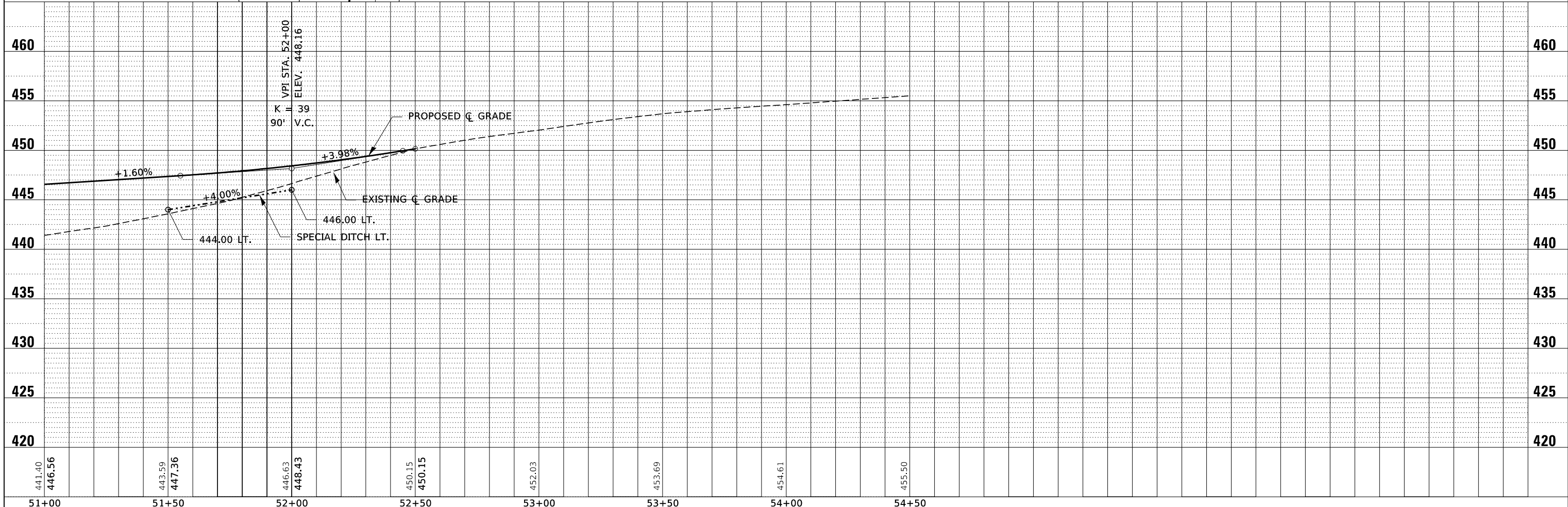
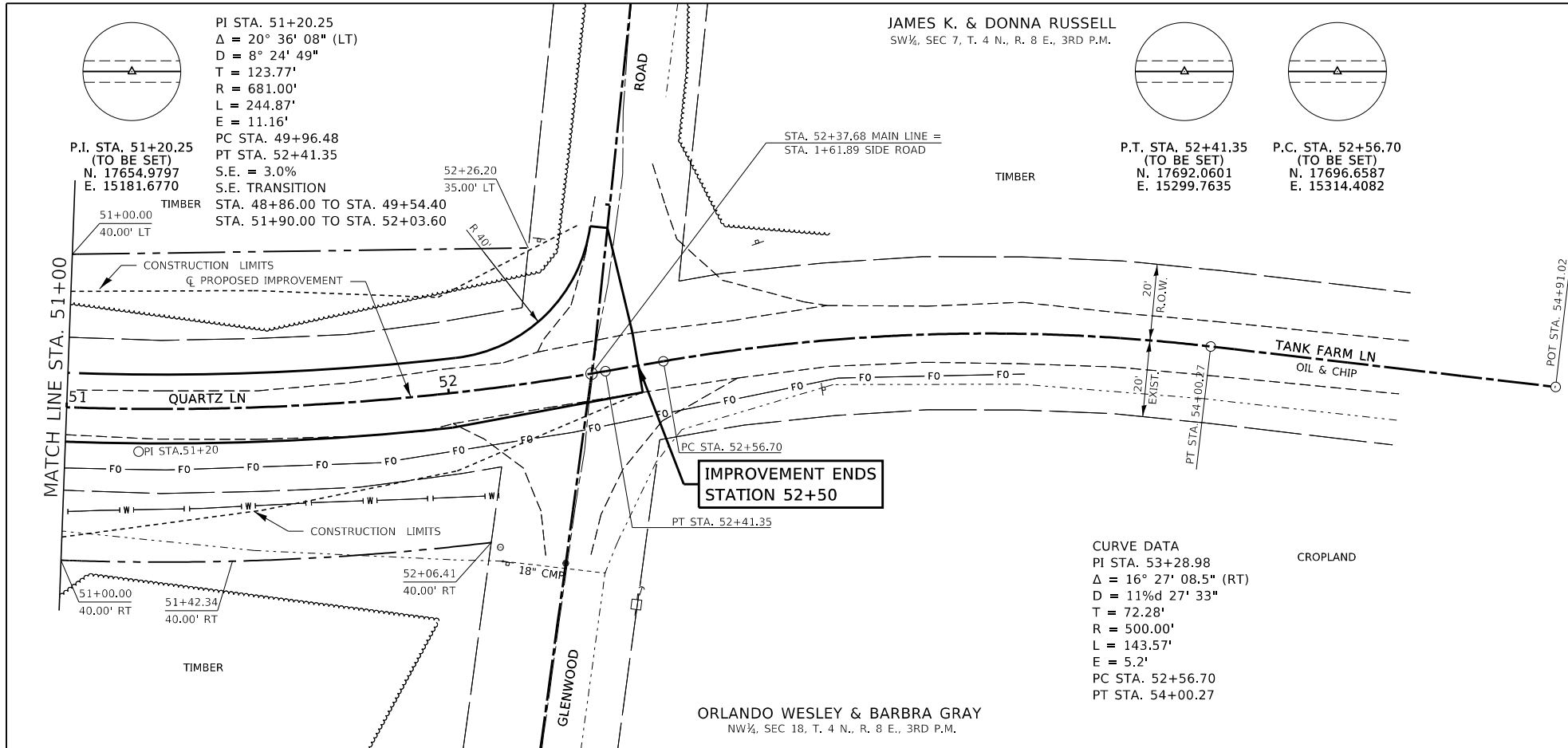
GREGORY A. & MARILYN PHILLIPS
 NE 1/4, SEC 13, T. 4 N., R. 8 E., 3RD P.M.



FILE NAME = 170520-shi-planpr1.dgn	USER NAME = rmosick	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLAY COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE QUARTZ LN	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. 184.000959	DESIGNED - J.W.F.	REVISED -	179			16-09124-00-BR	CLAY	25	4	
PLOT SCALE = \$SCALE\$	CHECKED - S.W.M.	REVISED -	PIXLEY TOWNSHIP			CONTRACT NO. 95850				
PLOT DATE = 3/28/2019	DATE = 03/28/19	REVISED -	SCALE: 5V:20H			SHEET NO. 1 OF 2 SHEETS				
				STA. 46+00 TO STA. 51+00		ILLINOIS FED. AID PROJECT M3XU(565)				

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	



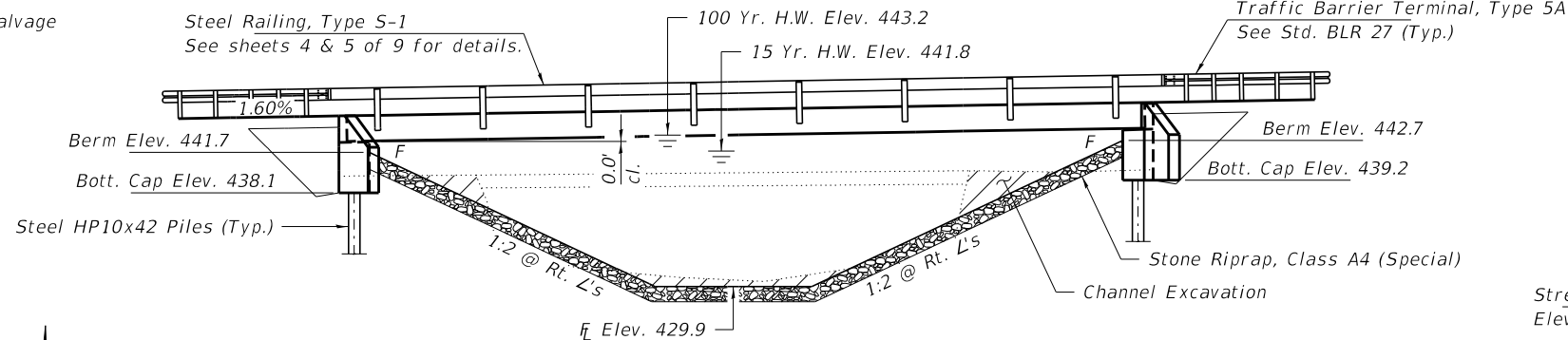
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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -			179	16-09124-00-BR	CLAY	25	5
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -			PIXLEY TOWNSHIP		CONTRACT NO. 95850		
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DATE - 03/28/19	REVISED -			SCALE: 5V:20H	SHEET NO. 2 OF 2 SHEETS	STA. 51+00 TO STA. 54+89.85	ILLINOIS FED. AID PROJECT M3XU(565)	

BENCHMARK: RR spike in 12" Ash tree; 32' Lt. Station 50+98, Elev. 439.24

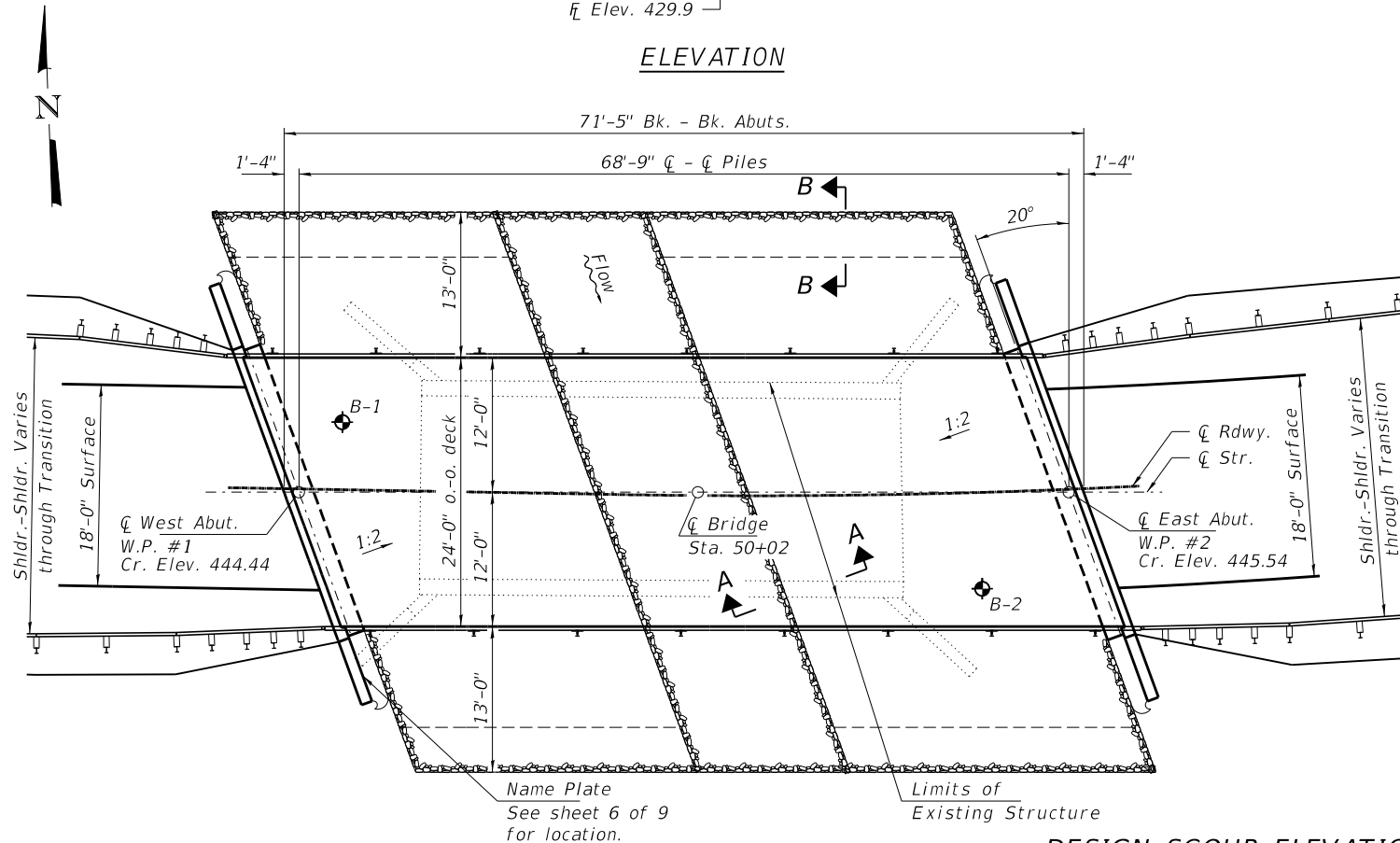
EXISTING STRUCTURE: Sta. 50+00 - Single span concrete slab bridge with concrete parapets on closed concrete abutments and wingwalls. 49.98' bk.-bk. abuts., 19.00' o.-o. deck.

Structure closed to traffic during construction.

No Salvage



ELEVATION



PLAN

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition with all interims.

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

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

PRECAST PRESTRESSED UNITS

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

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.244g
Design Spectral Acceleration at 0.2 sec. (SD5) = 0.569g
Soil Site Class = D

WATERWAY INFORMATION

Drainage Area = 18.9 Sq. Mi.		Existing Low Grade Elev. 438.0 @ Sta. 47+50		Proposed Low Grade Elev. 438.3 @ Sta. 47+00		
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater El.
			Exist. Prop.	Exist. Prop.	Exist. Prop.	Exist. Prop.
Existing Overtop	10	2730	280 460	441.46 0.08 0.48	441.54 441.94	
Design	15	3120	280 480	441.78 0.09 0.50	441.87 442.28	
Base/Prop. Overtop	100	5070	280 510	443.15 0.10 0.52	443.25 443.67	
Scour Check	200	5790	280 510	443.59 0.10 0.43	443.69 444.02	
Max. Calc.	500	6820	280 510	444.17 0.11 0.31	444.28 444.48	

10 Year Velocity through Existing Bridge = 11.1 fps

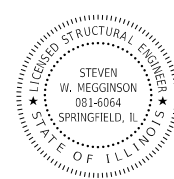
10 Year Velocity through Proposed Bridge = 6.5 fps

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elev. (ft.)		Item 113
	S. Abut.	N. Abut.	
Q100	438.3	439.3	8
Q200	438.3	439.3	
Design	438.3	439.3	
Check	438.3	439.3	

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

Steven W. Meggison 03/28/2019
ILLINOIS STRUCTURAL ENGINEER NO. 081-6064

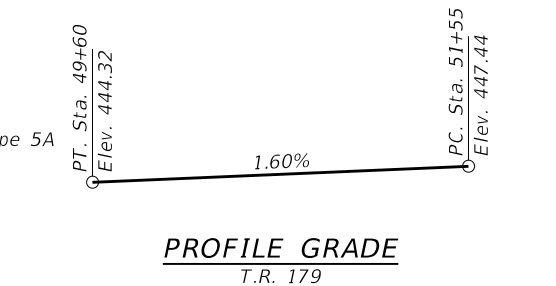


Expires 11-30-2020

GENERAL NOTES

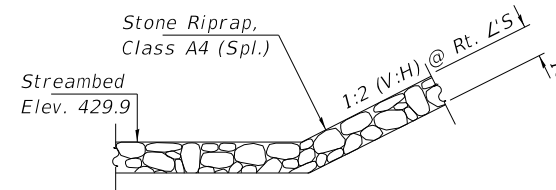
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at West Abutment or approved by the Engineer before ordering the remainder of piles.
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.
All bars to be epoxy coated.
Excavation required to construct the Abutments shall be included in the cost of Concrete Structures. No additional compensation will be allowed for Structure 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.

PROFILE GRADE

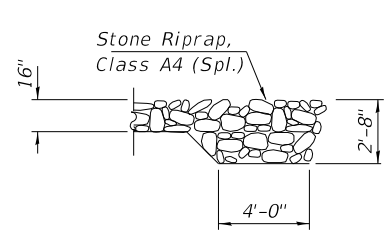


SECTION A-A

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



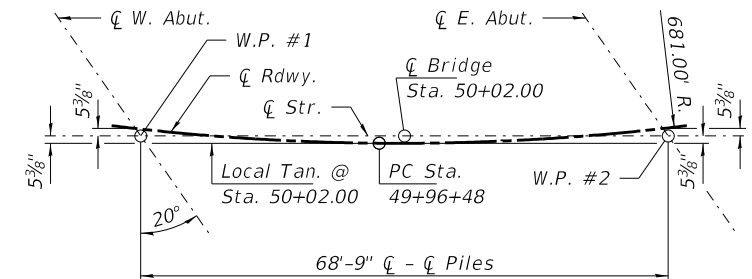
SECTION B-B



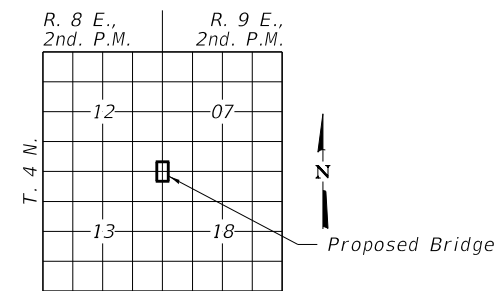
INDEX OF STRUCTURE SHEETS

1. General Plan & Elevation
2. 17"x48" PPC Deck Beam
3. 17"x48" PPC Deck Beam Details
4. Superstructure Details
5. Steel Railing, Type S-1
6. West Abutment
7. East Abutment
8. HP-Pile Details
9. Borings

OFFSET SKETCH



LOCATION SKETCH



NAME PLATE

See Std. 515001

HURRICANE CREEK
BUILT 201_ BY
CLAY COUNTY
SEC. 16-09124-00-BR
PIXLEY ROAD DISTRICT
STR. NO. 013-3252
LOADING HL-93

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			40
Stone Riprap, Class A4 (Special)	Ton			370
Removal of Existing Structures	Each			1
Concrete Structures	Cu. Yd.		28.0	28.0
Precast Prestressed Conc. Deck Beams (27" Depth)	Sq. Ft.	1,680		1,680
Reinforcement Bars, Epoxy Coated	Pound		3,080	3,080
Steel Railing, Type S-1	Foot	146		146
Furnishing Steel Piles HP10x42	Foot		270	270
Driving Piles	Foot		270	270
Test Pile Steel HP10x42	Each		1	1
Name Plates	Each		1	1
Controlled Low-Strength Material	Cu. Yd.		75	75

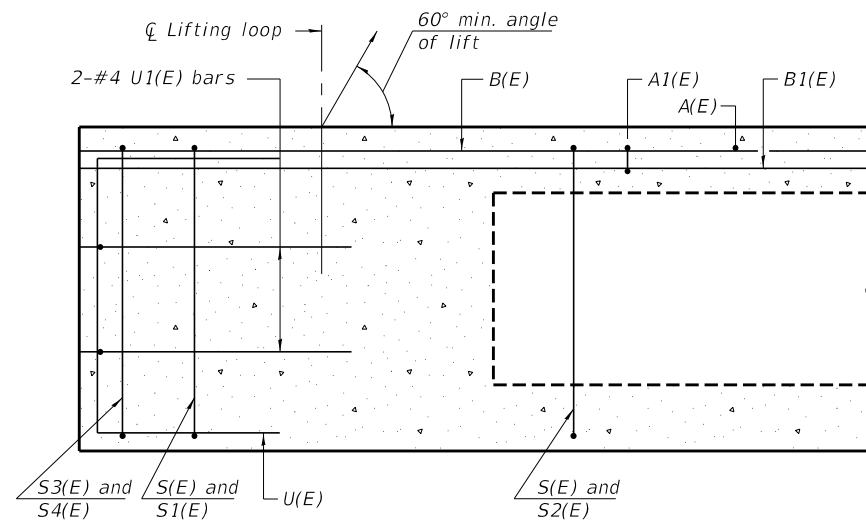
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PLOT DATE = 3/28/2019		DRAWN - M.M.P.	REVISED -
		CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
CLAY COUNTY HIGHWAY DEPARTMENT

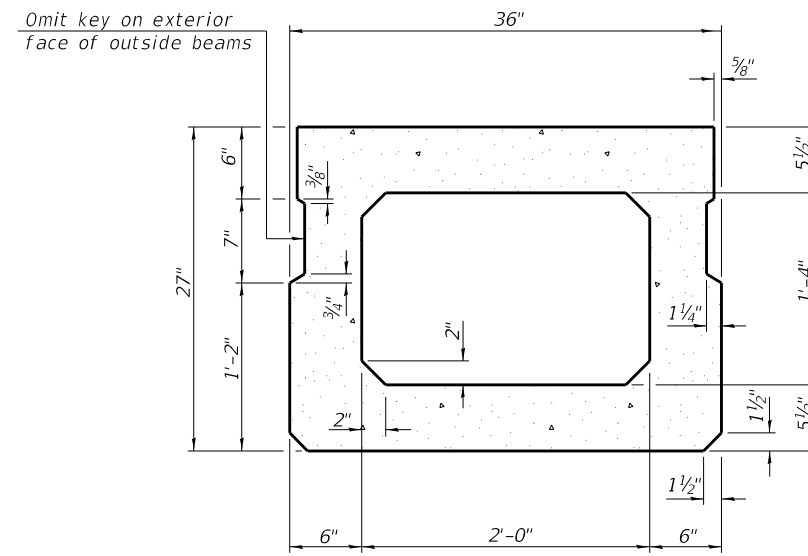
GENERAL PLAN & ELEVATION
STRUCTURE NO. 013-3252

SHEET NO. 1 OF 9 SHEETS

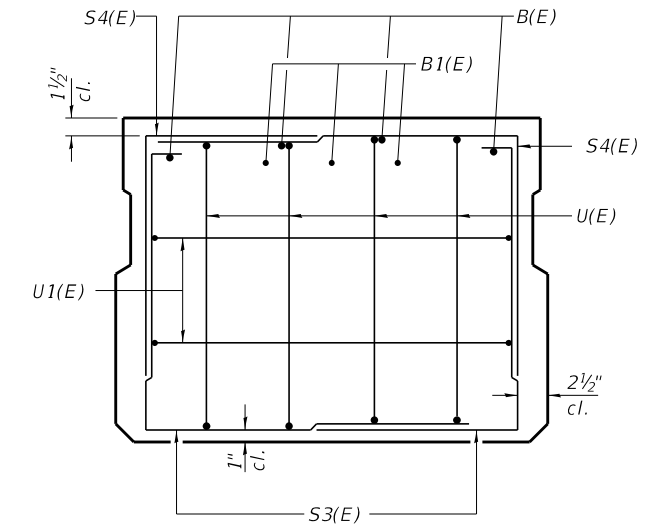
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
179	16-09124-00-BR	CLAY	25	6
PIXLEY ROAD DISTRICT			CONTRACT NO. 95850	
ILLINOIS FED. AID PROJECT M3XU(665)				



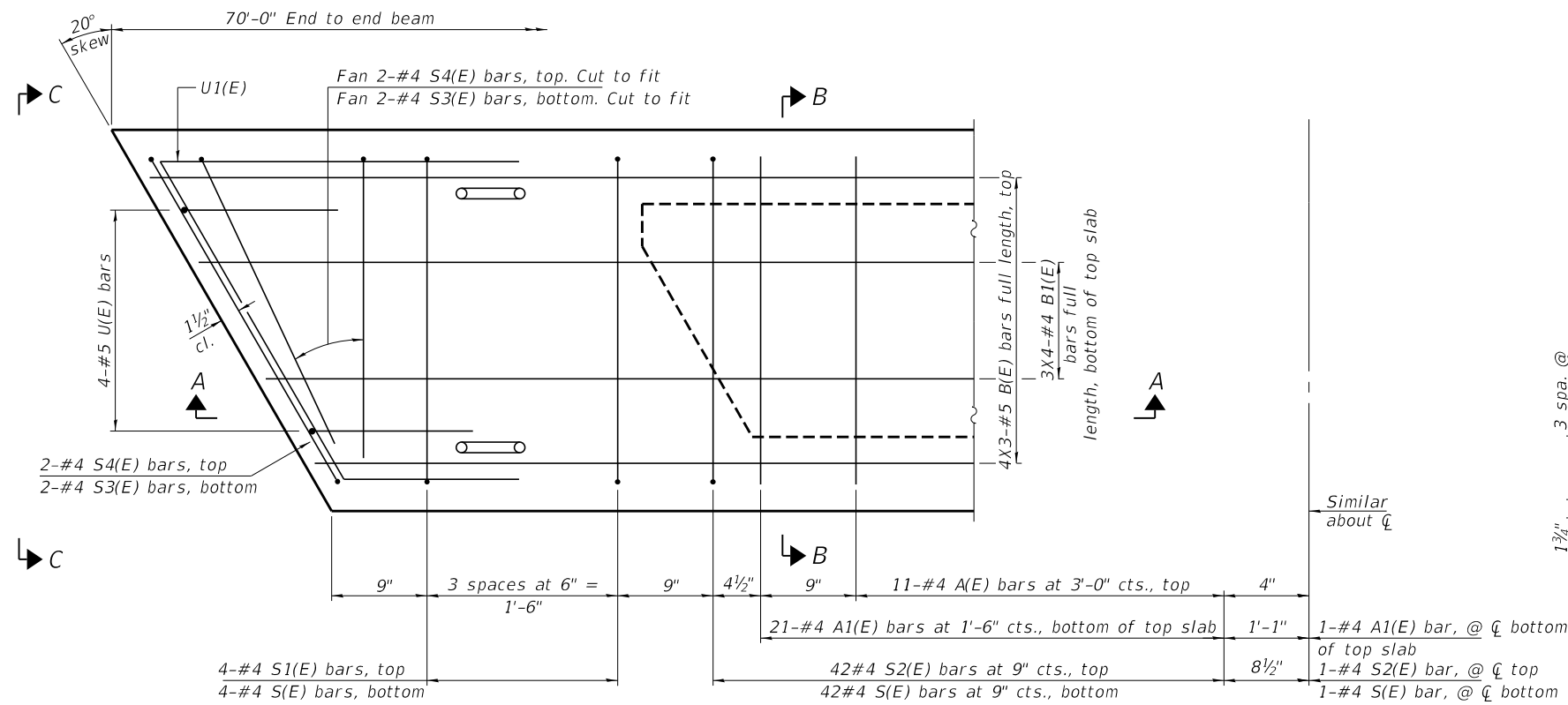
SECTION A-A



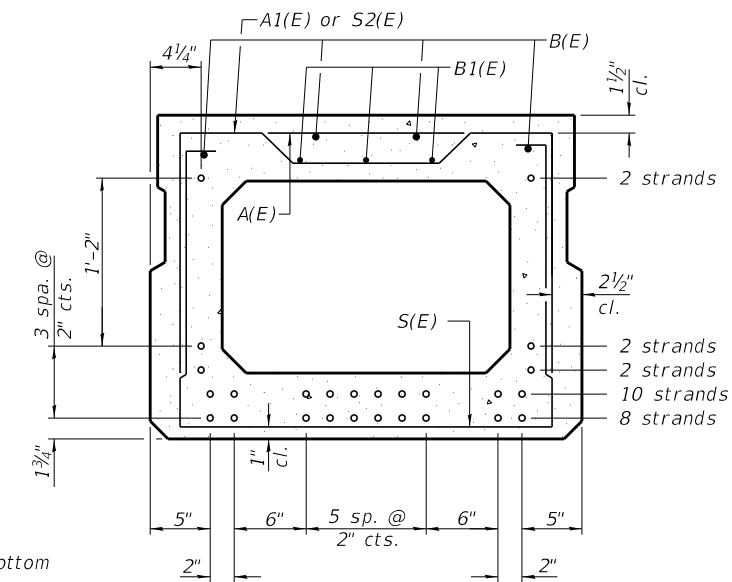
SECTION B-B
(Showing dimensions)



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)	22	#4	2'-7"	—
A1(E)	43	#4	2'-10"	~
B(E)	12	#5	24'-11"	—
B1(E)	12	#4	18'-11"	—
S(E)	93	#4	7'-5"	□
S1(E)	8	#4	5'-11"	□
S2(E)	85	#4	6'-2"	□
S3(E)	8	#4	4'-10"	┘
S4(E)	8	#4	4'-1"	┘
U(E)	8	#5	4'-6"	┘
U1(E)	4	#4	7'-1"	┘

Note:
See sheet 3 & 4 of 9 for additional details and Bill of Material.

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

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

PD-2736-R

2-17-2017

FILE NAME = 170520-shl-brkge.dgn	USER NAME = rmosck	DESIGNED - J.R.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 3/28/2019	DRAWN - M.M.P.	REVISED -
		CHECKED - S.W.M.	REVISED -

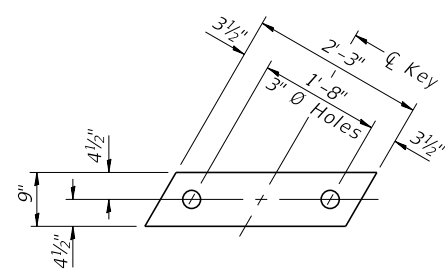
STATE OF ILLINOIS
CLAY COUNTY HIGHWAY DEPARTMENT

27" x 36" PPC DECK BEAM
STRUCTURE NO. 013-3252

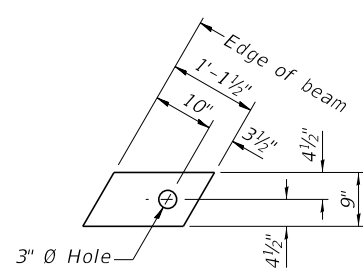
SHEET NO. 2 OF 9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
179	16-09124-00-BR	CLAY	25	7
PIXLEY ROAD DISTRICT		CONTRACT NO. 95850		

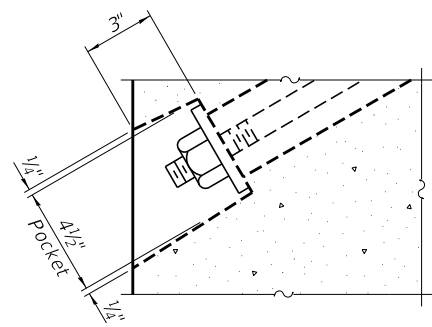
ILLINOIS FED. AID PROJECT M3XU(565)



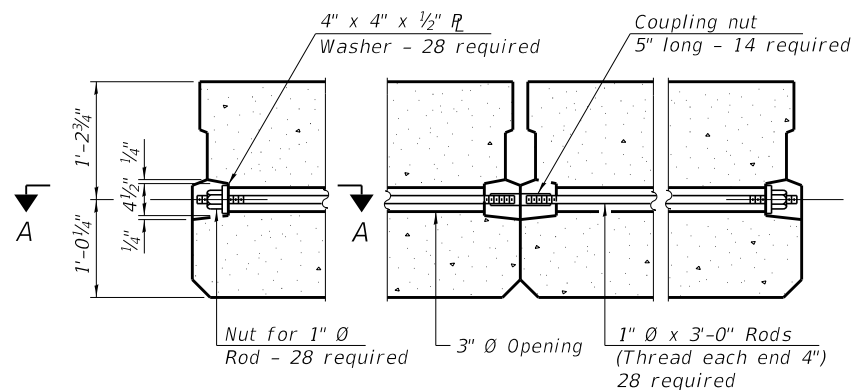
FABRIC BEARING PAD
(Interior - 14 Req'd.)



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

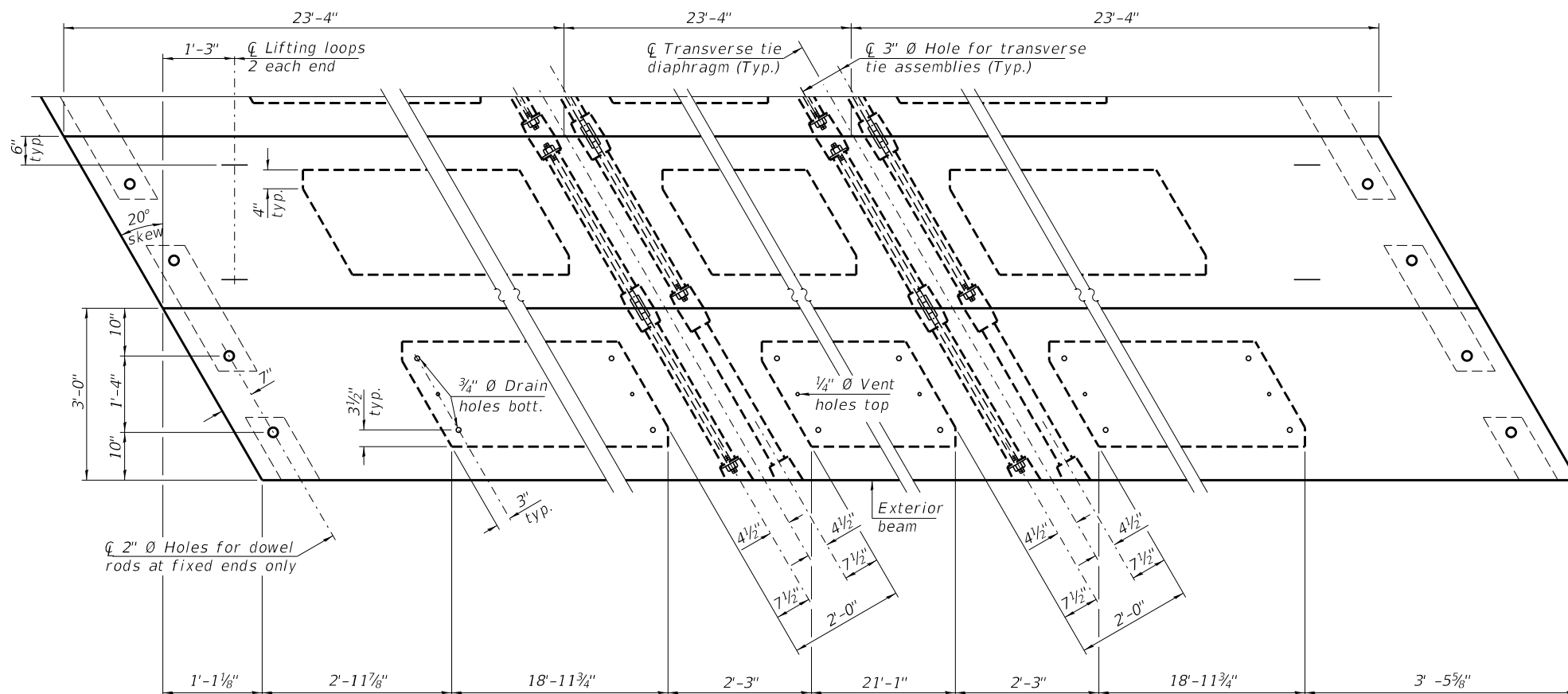


SECTION A-A

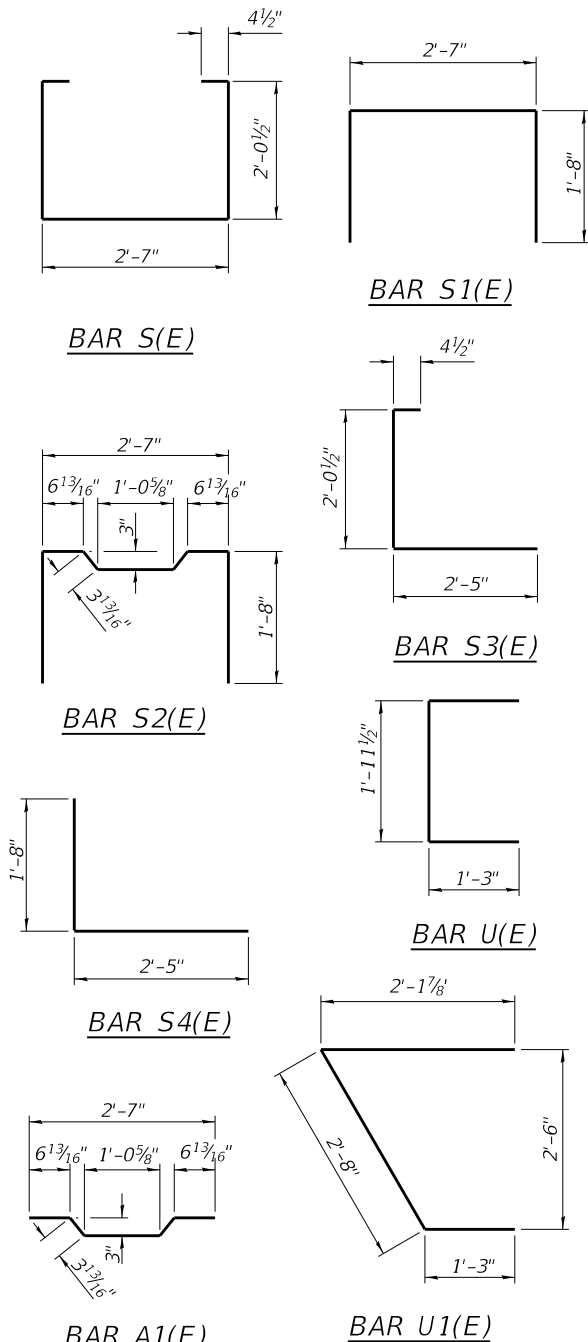


TYPICAL TRANSVERSE TIE ASSEMBLY

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



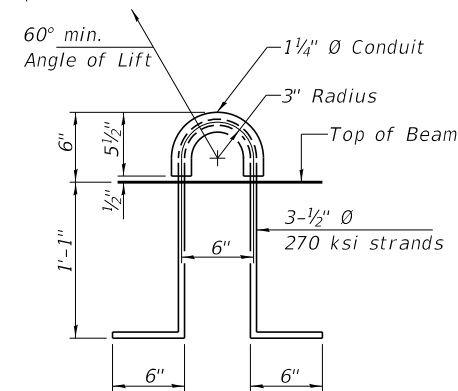
PLAN VIEW



NOTES

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

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.
Reinforcement bars designated (E) shall be epoxy coated.



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft. 1,680
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PD-2736-RD

2-17-2017

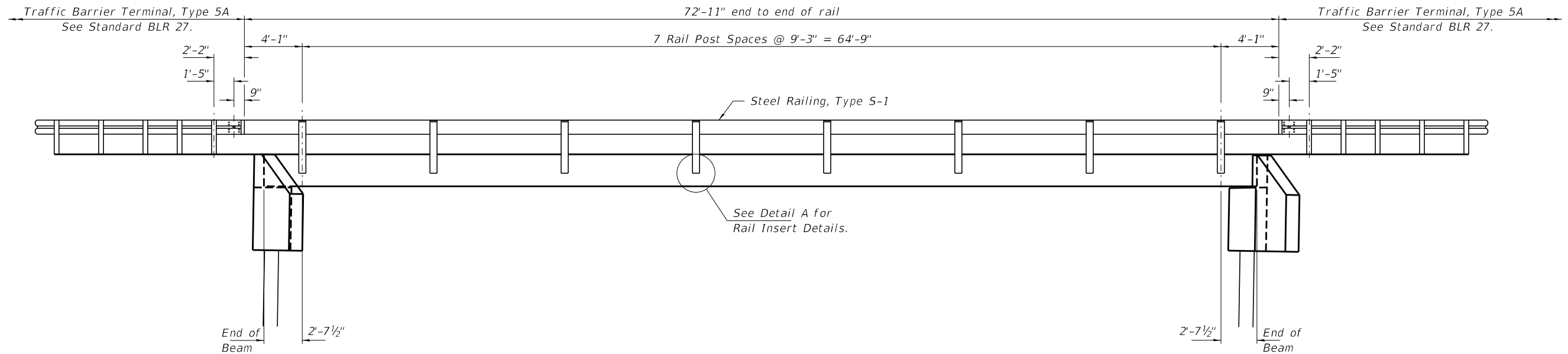
FILE NAME = 170520-shl-bridge.dgn	USER NAME = rmosick	DESIGNED - J.R.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E./S.E. CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 3/28/2019	DRAWN - M.M.P.	REVISED -
		CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
CLAY COUNTY HIGHWAY DEPARTMENT

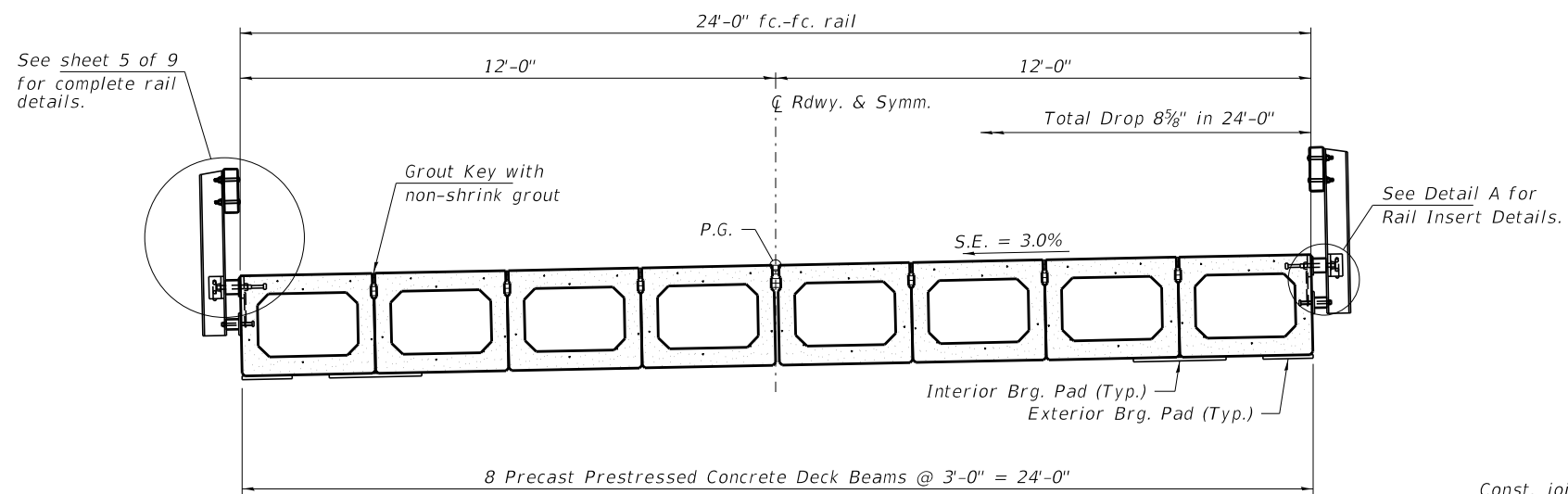
27" x 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 013-3252

SHEET NO. 3 OF 9 SHEETS

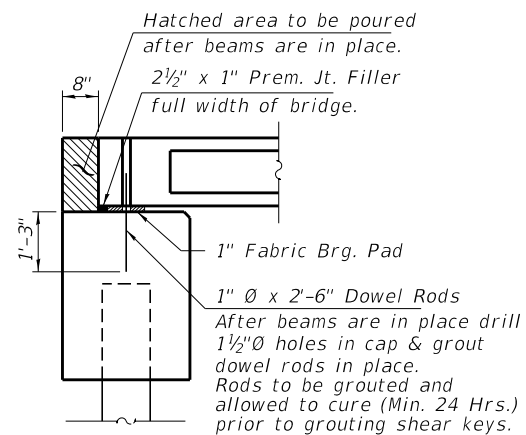
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
179	16-09124-00-BR	CLAY	25	8
PIXLEY ROAD DISTRICT		CONTRACT NO. 95850		
ILLINOIS FED. AID PROJECT M3XU(565)				



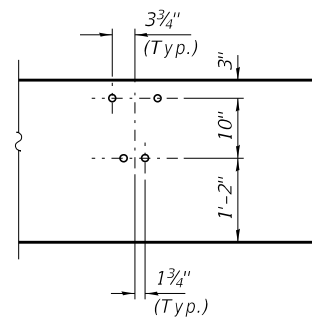
ELEVATION
Showing Rail Post Spaces
See sheet 5 of 9 for Railing Details.



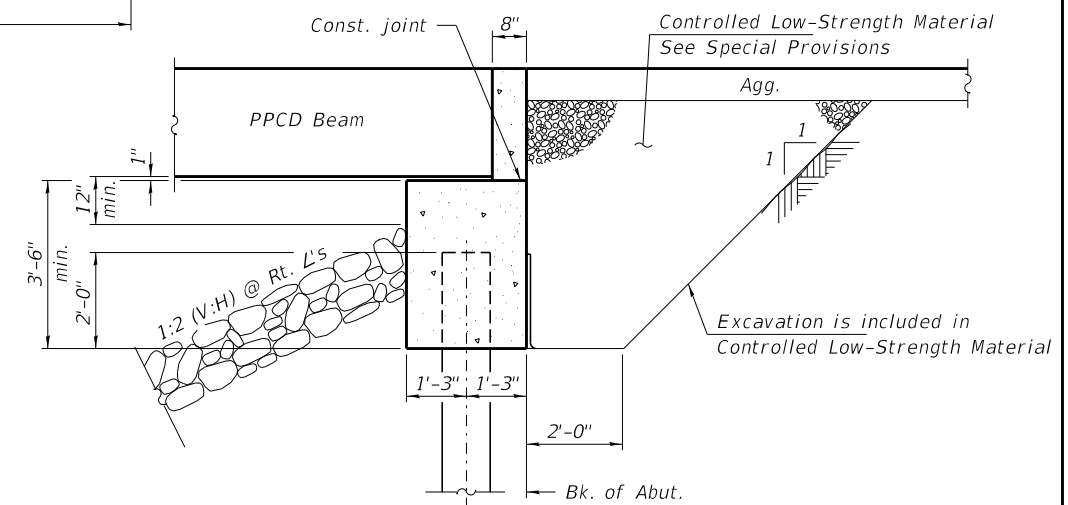
CROSS SECTION
See sheets 2 & 3 of 9 for Superstructure.



SECTION AT ABUTMENTS
@ Rt. L's

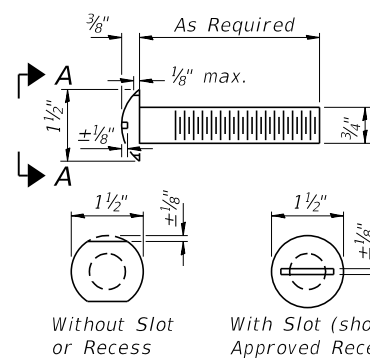


DETAIL A

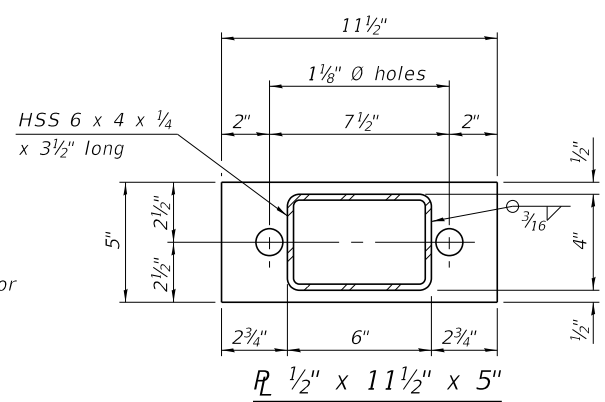


SECTION THRU ABUTMENT
(Horiz. dim. @ Rt. L's)

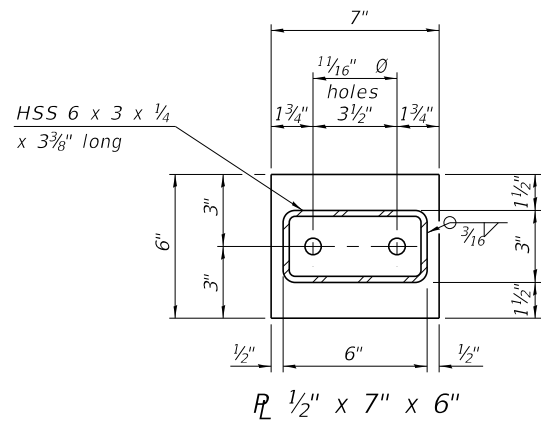
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HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -			179	16-09124-00-BR	CLAY	25	9
	PLOT SCALE =	DRAWN - M.M.P.	REVISED -			PIXLEY ROAD DISTRICT		CONTRACT NO. 95850		
	PLOT DATE = 3/28/2019	CHECKED - S.W.M.	REVISED -			SHEET NO. 4 OF 9 SHEETS		ILLINOIS FED. AID PROJECT M3XU(565)		



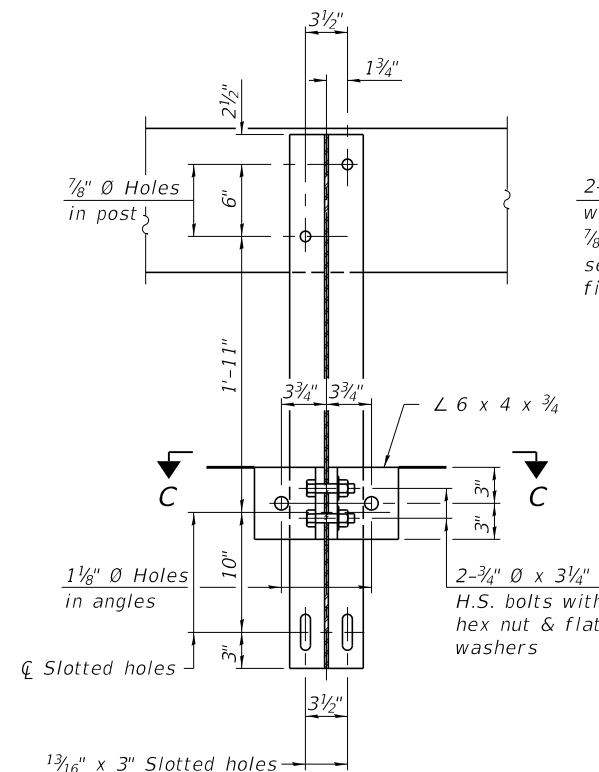
**VIEW A-A
ROUND HEAD BOLT**



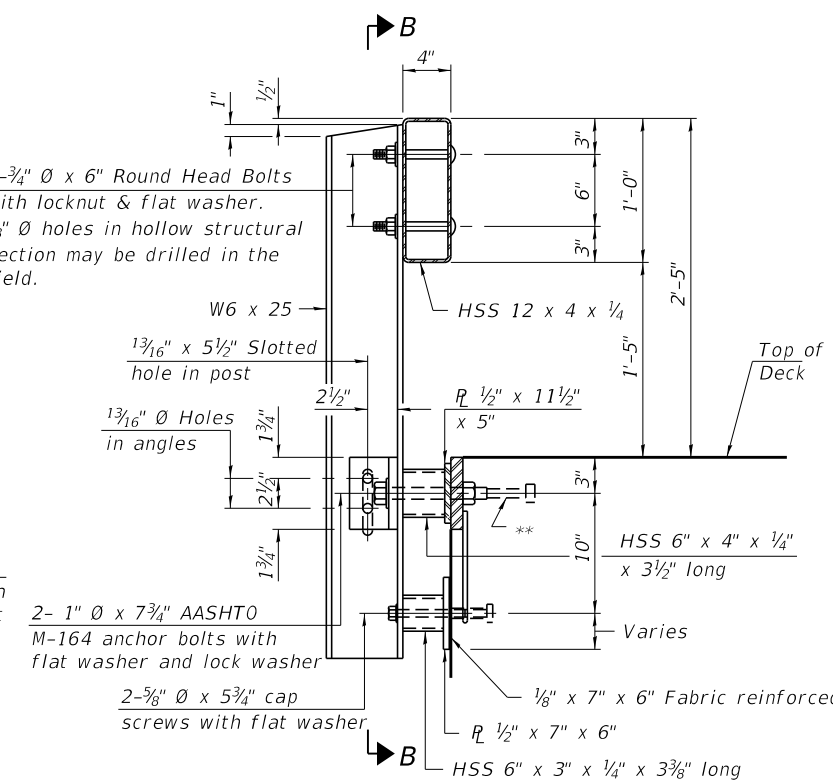
L 1/2" x 11 1/2" x 5"



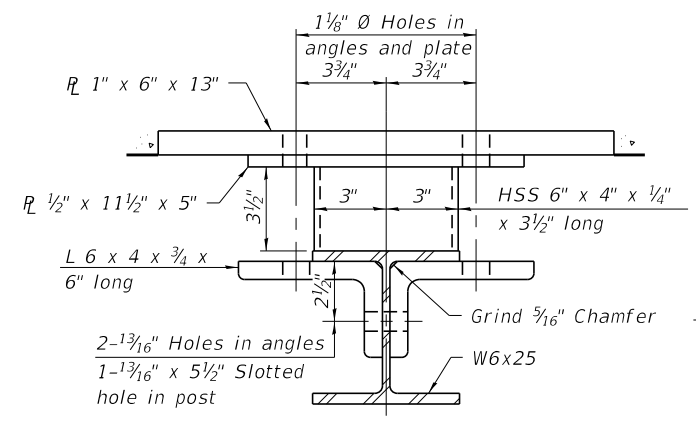
L 1/2" x 7" x 6"



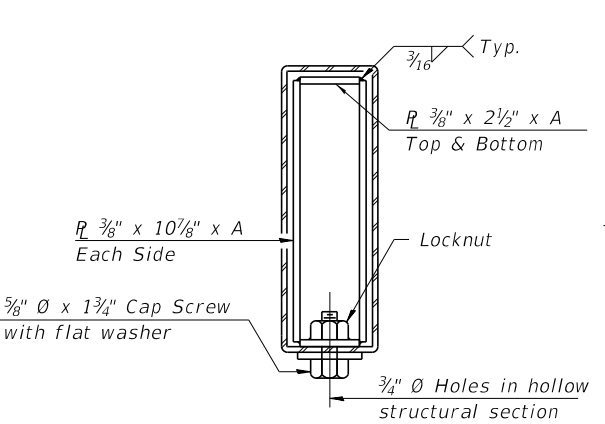
SECTION B-B



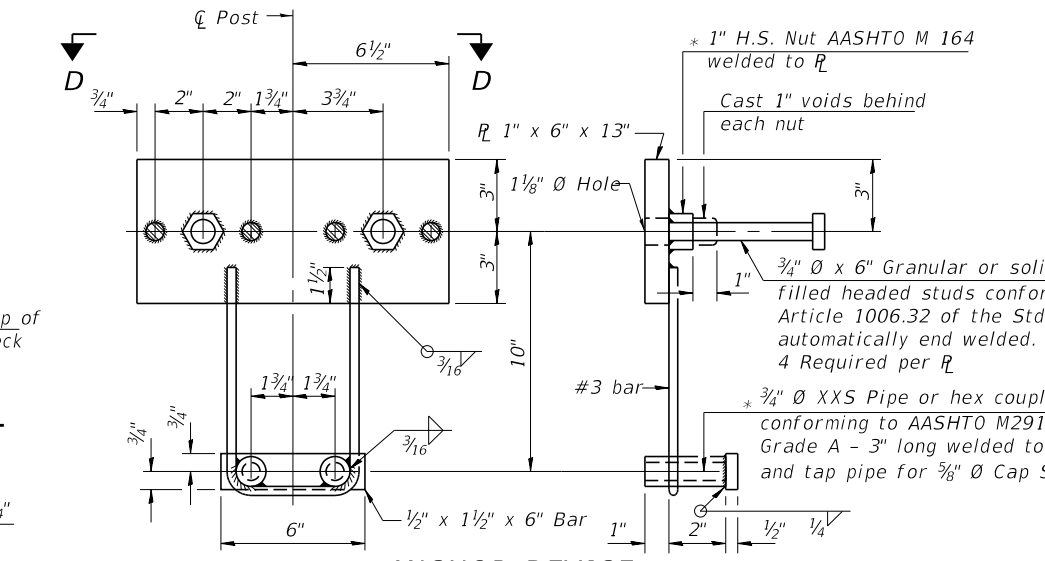
SECTION AT RAILING POST



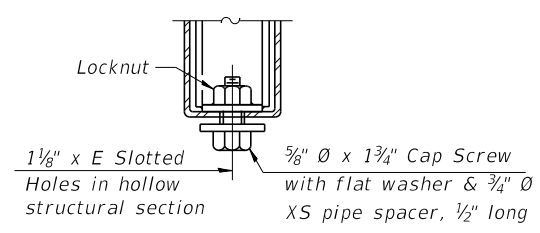
SECTION C-C



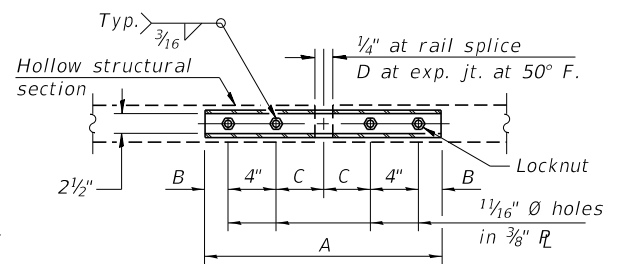
SECTIONS AT RAIL SPLICE



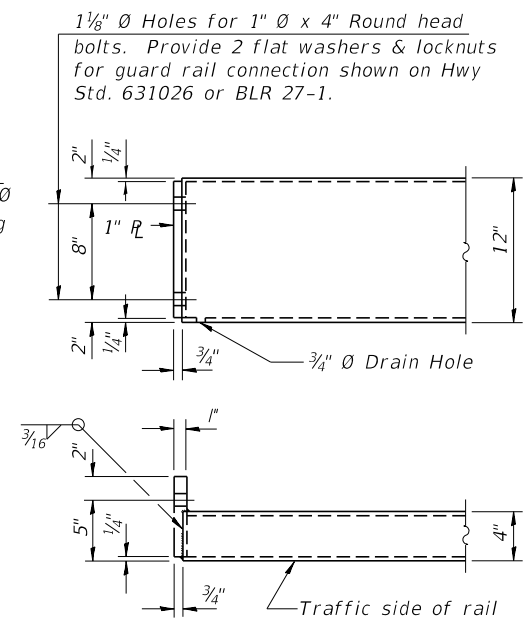
ANCHOR DEVICE



**RAIL SPLICE CONNECTION
AT EXPANSION JT.**



**PLAN-BOTT. SPLICE R
TYPICAL**



END OF RAIL DETAILS

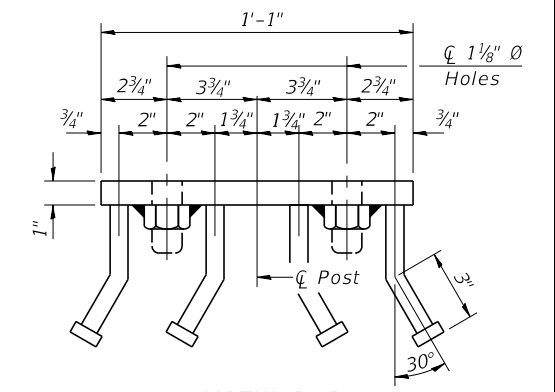
SPLICE DIMENSIONS

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. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.



VIEW D-D

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	146

R-23A 8-11-2017 (10'-9" Maximum Post Spacing)

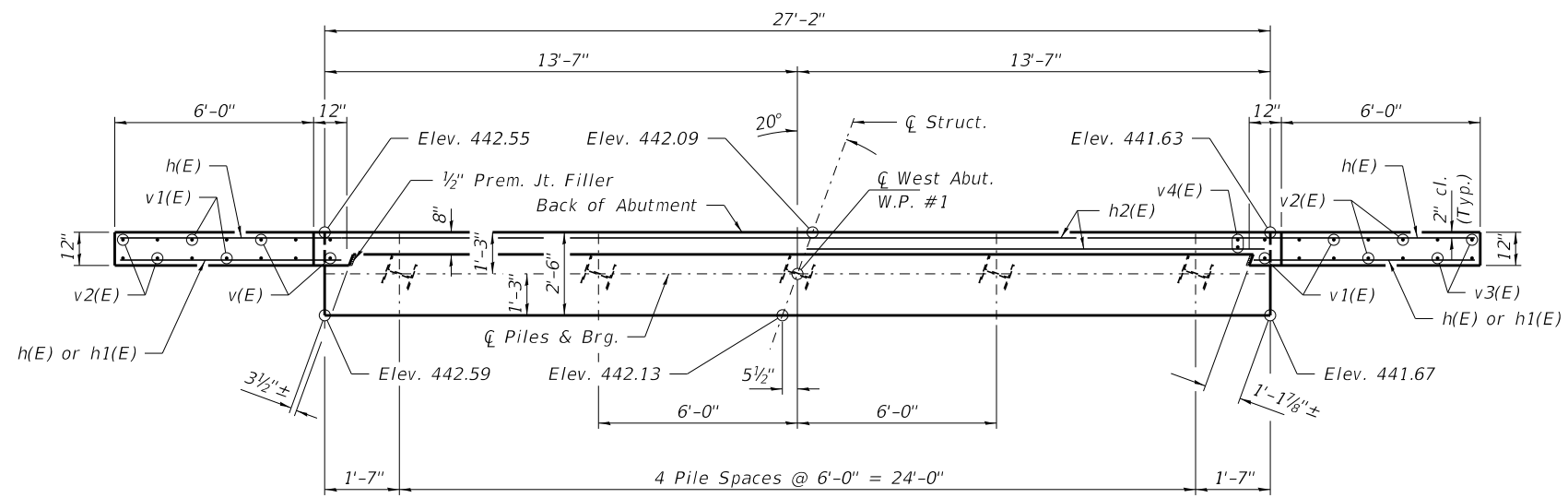
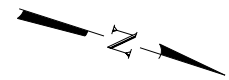
FILE NAME = 170520-shil-bridge.dgn	USER NAME = rmosck	DESIGNED - J.R.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62763 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.009959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 3/28/2019	DRAWN - M.M.P.	REVISED -
		CHECKED - S.W.M.	REVISED -

**STATE OF ILLINOIS
CLAY COUNTY HIGHWAY DEPARTMENT**

**STEEL RAILING, TYPE S-1
STRUCTURE NO. 013-3252**

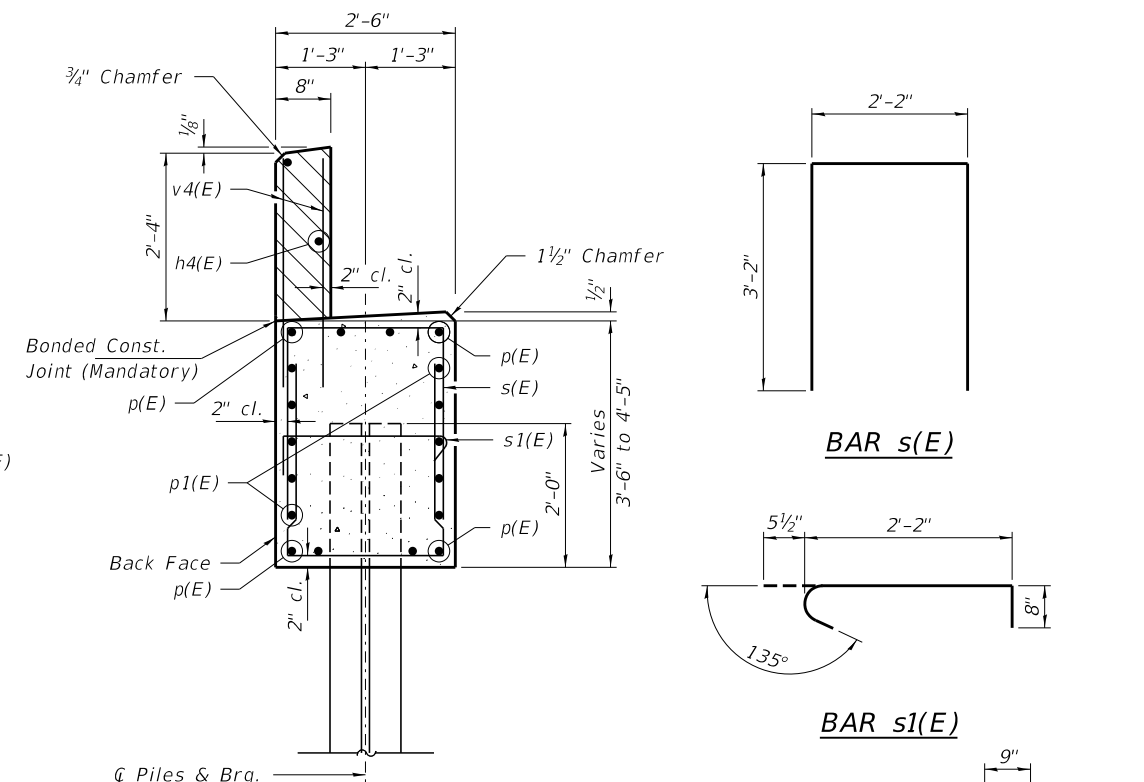
SHEET NO. 5 OF 9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
179	16-09124-00-BR	CLAY	25	10
PIXLEY ROAD DISTRICT		CONTRACT NO. 95850		
ILLINOIS FED. AID PROJECT M3XU(565)				



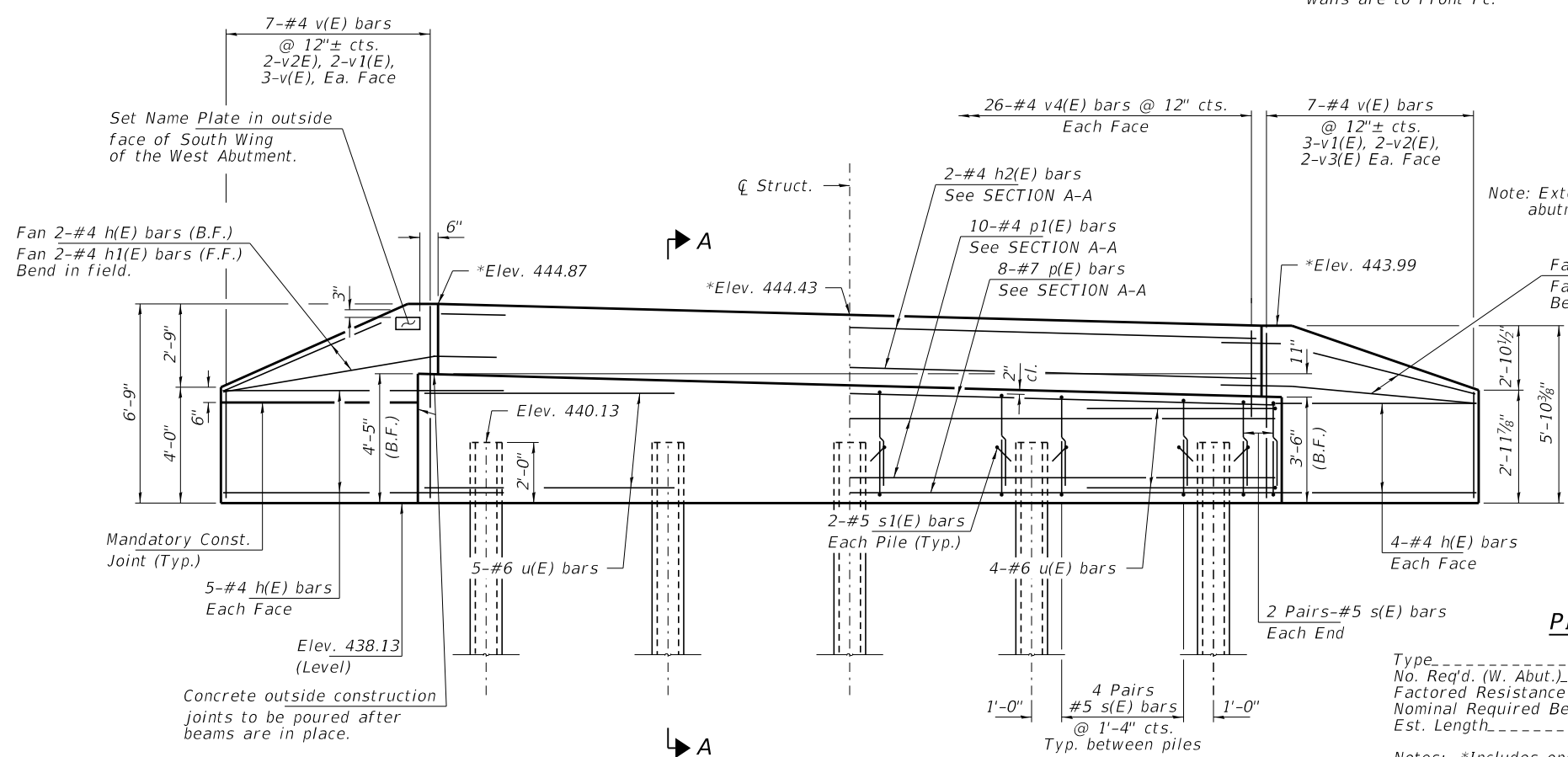
PLAN

Note: Elevations in PLAN are to top of concrete cap.
 *Elevations to top of walls are to Front Fc.



SECTION A-A

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



ELEVATION
(Looking West)

PILE DATA

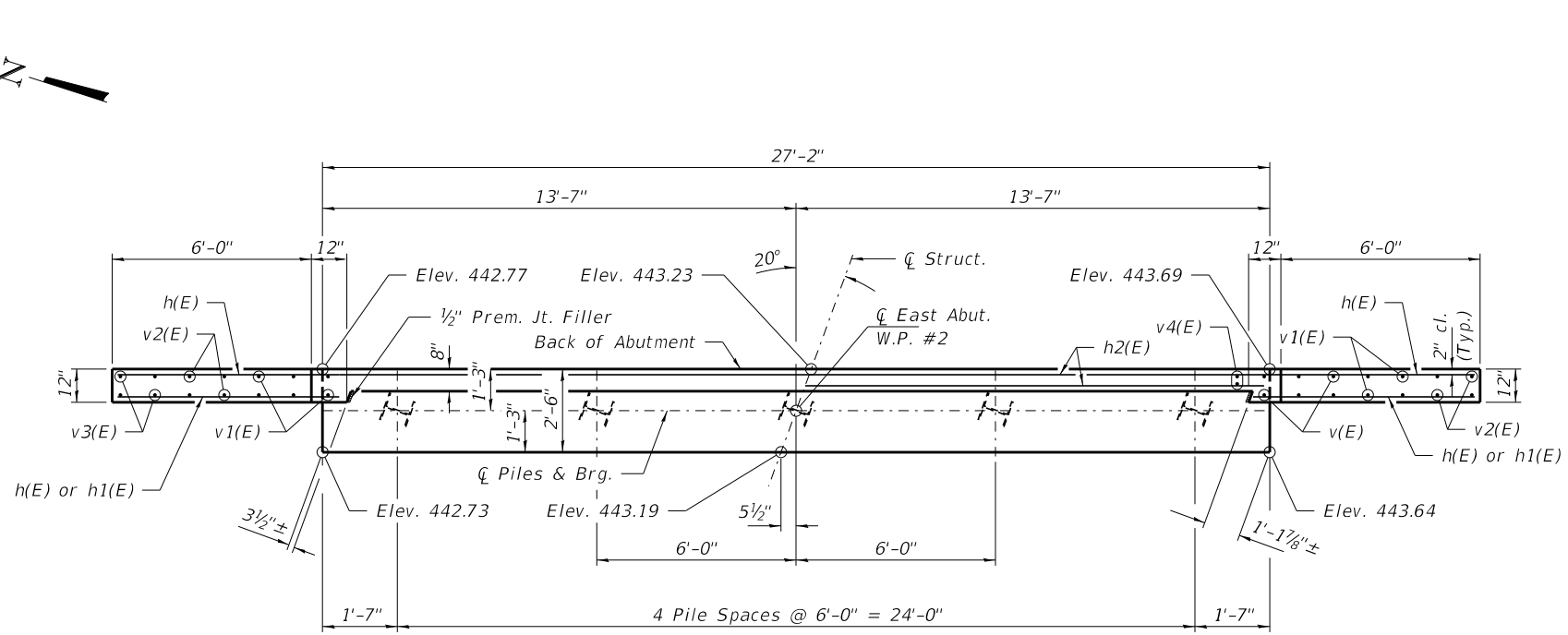
Type _____ Steel HP10x42
 No. Req'd. (W. Abut.) _____ 5
 Factored Resistance Available (RF) _____ 184 Kips/Pile
 Nominal Required Bearing (Rn) _____ 335 Kips/Pile
 Est. Length _____ 30 Ft/Pile

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

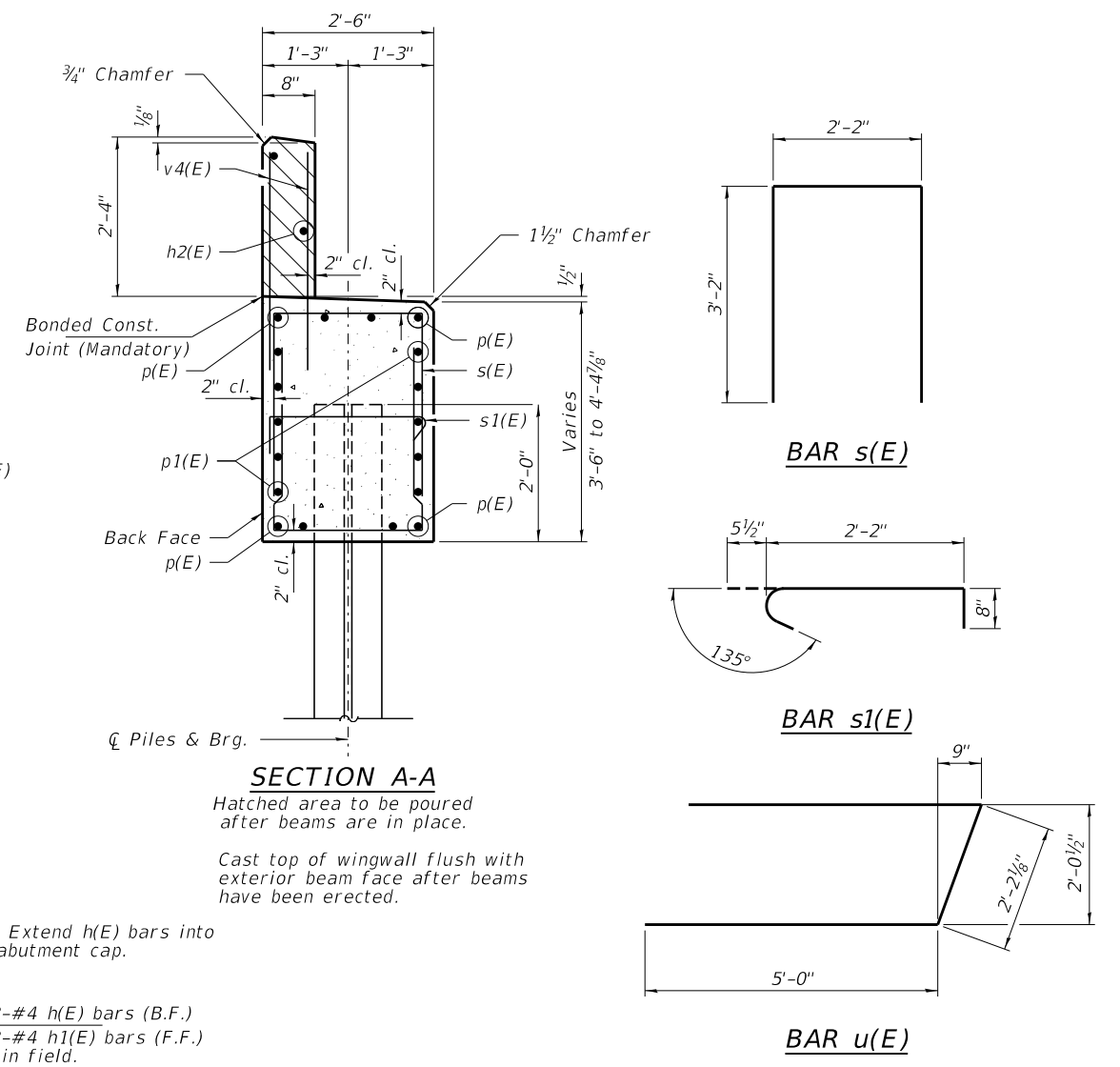
The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

BILL OF MATERIAL - W. ABUT.

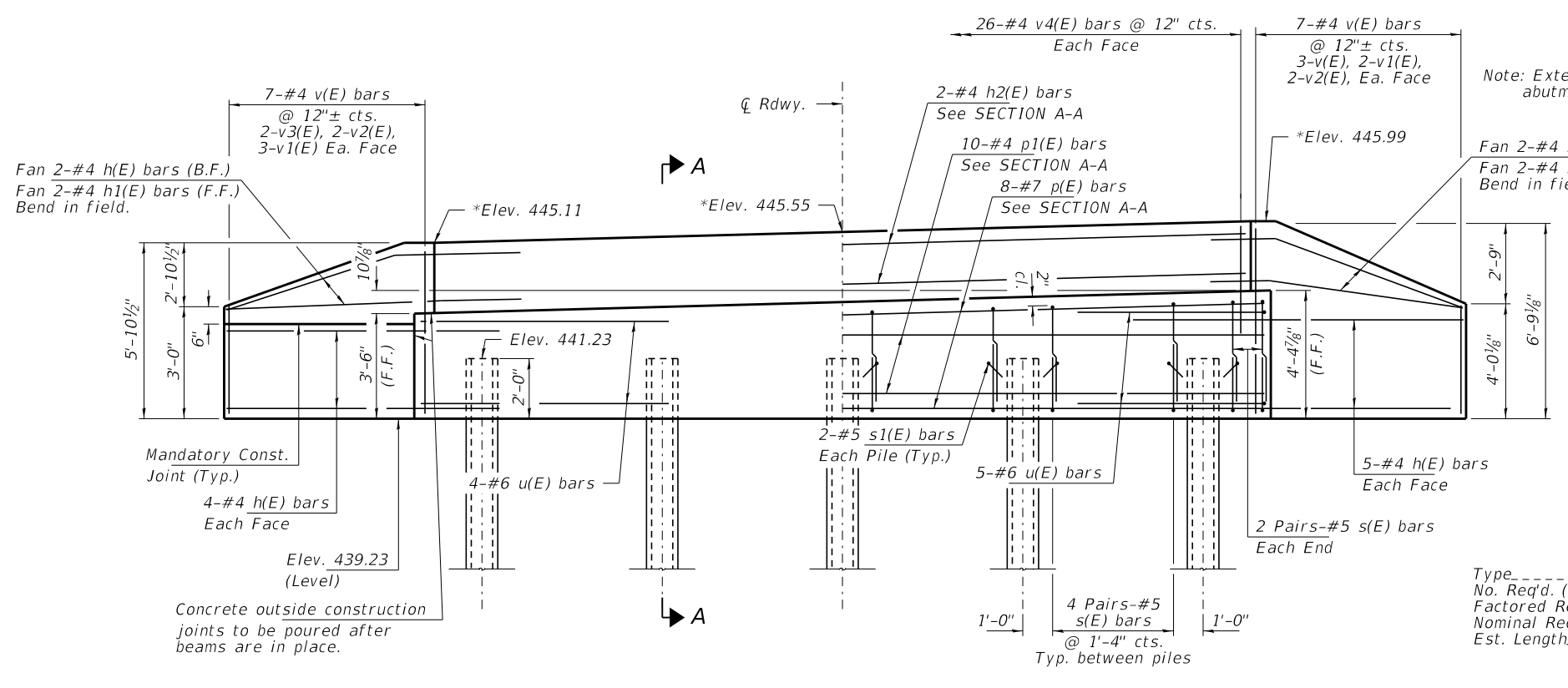
BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	22	#4	8'-3"	—
h1(E)	4	#4	6'-9"	—
h2(E)	2	#4	26'-10"	—
p(E)	8	#7	26'-10"	—
p1(E)	10	#4	26'-10"	—
s(E)	40	#5	8'-6"	□
s1(E)	10	#5	3'-4"	┌
u(E)	9	#6	12'-2"	┌
v(E)	6	#4	5'-9"	—
v1(E)	10	#4	4'-9"	—
v2(E)	8	#4	3'-9"	—
v3(E)	4	#4	2'-8"	—
v4(E)	52	#4	3'-2"	—
Concrete Structures			Cu. Yd.	14.0
Reinf. Bars, Epoxy Coated			Pound	1,540
Steel Piles HP10x42			Foot	120
Test Pile Steel HP10x42			Each	1
Name Plates			Each	1



Note: Elevations in PLAN are to top of concrete cap.
 *Elevations to top of walls are to Front Fc.



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

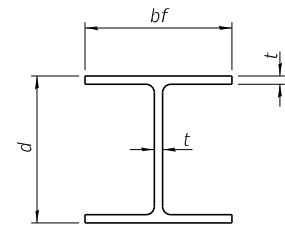


PILE DATA

Type _____ Steel HP10x42
 No. Req'd. (E. Abut.) _____ 5
 Factored Resistance Available (Rf) _____ 184 Kips/Pile
 Nominal Required Bearing (Rn) _____ 335 Kips/Pile
 Est. Length _____ 30 Ft./Pile

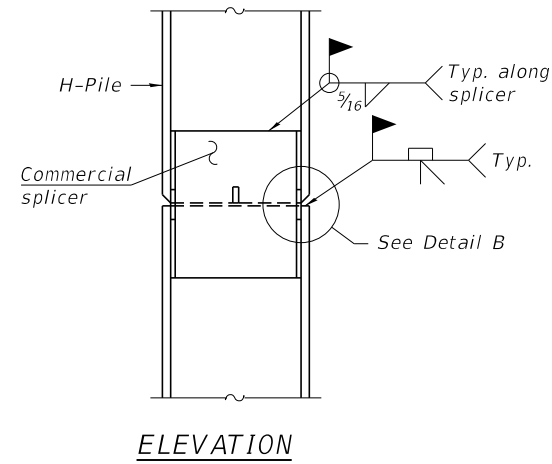
BILL OF MATERIAL - E. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	22	#4	8'-3"	—
h1(E)	4	#4	6'-9"	—
h2(E)	2	#4	26'-10"	—
p(E)	8	#7	26'-10"	—
p1(E)	10	#4	26'-10"	—
s(E)	40	#5	8'-6"	⊔
s1(E)	10	#5	3'-4"	⊔
u(E)	9	#6	12'-2"	⊔
v(E)	6	#4	5'-9"	—
v1(E)	10	#4	4'-9"	—
v2(E)	8	#4	3'-9"	—
v3(E)	4	#4	2'-8"	—
v4(E)	52	#4	3'-2"	—
Concrete Structures				Cu. Yd. 14.0
Reinf. Bars, Epoxy Coated				Pound 1,540
Steel Piles HP10x42				Foot 150

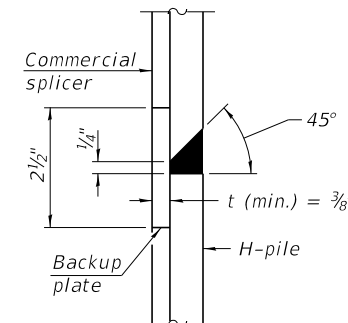


STEEL PILE TABLE

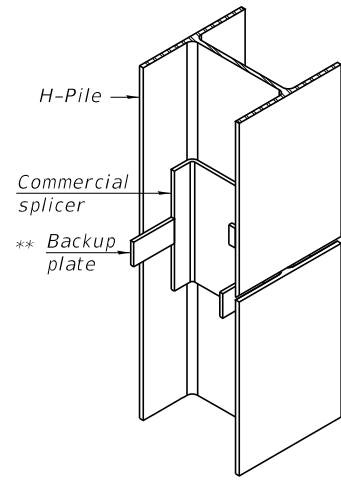
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 3/8"	14 3/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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



ELEVATION

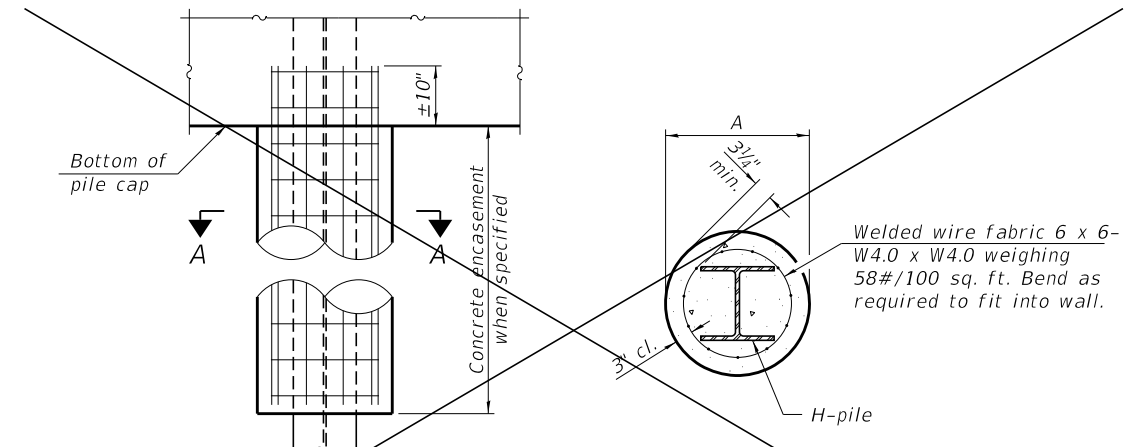


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE

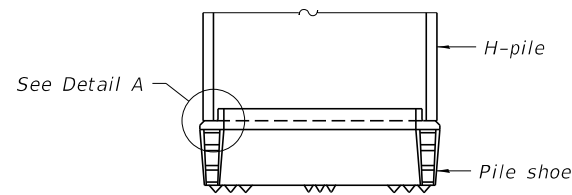


ELEVATION

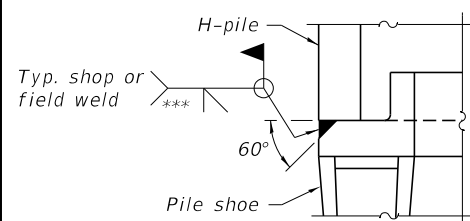
SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASUREMENT

(Forms for encasement may be omitted when soil conditions permit).
(Not required)

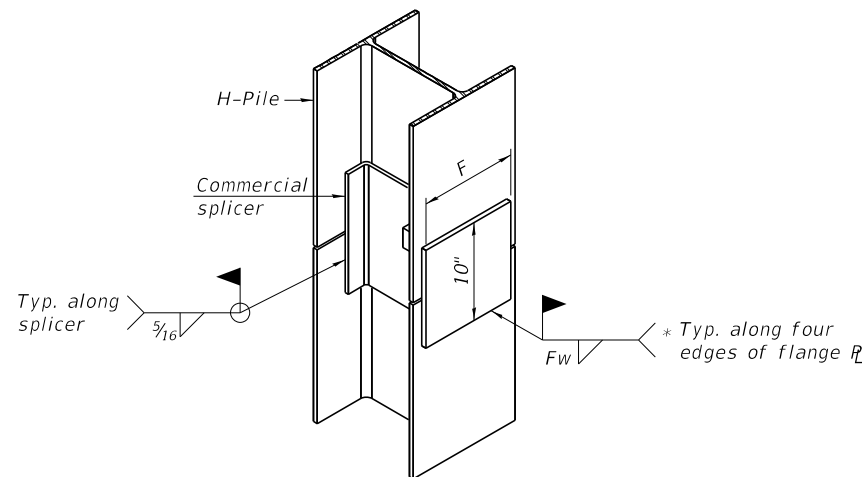


ELEVATION



DETAIL A

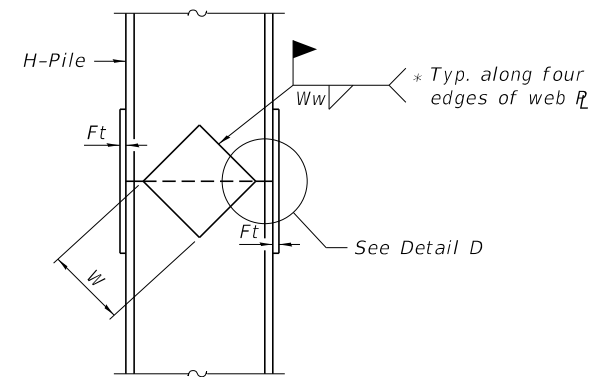
SHOE ATTACHMENT



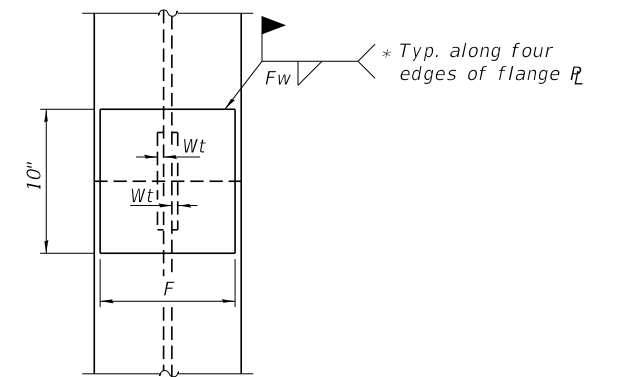
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

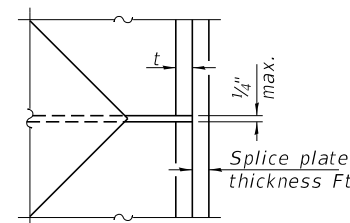
- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).



ELEVATION



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 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

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

F-HP 8-11-2017

NOBLE				BORING No. B-1		water level reading			
ENGINEERING CONSULTANTS		County: Clay, IL		Sheet No. 1 of 1		1st encounter: 17'			
Client: Clay County Highway Dept.		Weather: Sunny		Temperature: 80's		water level reading			
Driller: Noble Engineering Consultants		Date Start: 8-07-17		Surface Elevation: Bridge Deck		@completion Dry Cave			
Location: Str. #013-3084		Date Finished: 8-07-17		Driller: Tony Schocker		Backfill: Soil cuttings			
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	USC Class.	Elev.**
1									-1
2	SS-1	1.0'-2.5'	9	9-7-8	80		0.0'-6.1' Topsoil over silt, clay, sand, etc, FILL	FILL	-2
3									-3
4	SS-2	3.5'-5.0'	14	7-7-7	80			FILL	-4
5									-5
6	SS-3	6.0'-7.5'	9	4-4-5	100	1.0	6.1'-15.5' SILTY CLAY, trace to some sand, stiff, brown	CL	-6
7									-7
8									-8
9	SS-4	8.5'-10.0'	9	4-5-4	100	1.1		CL	-9
10									-10
11									-11
12									-12
13									-13
14	SS-5	13.5'-15.0'	14	4-5-9	100	1.3	15.5'-27.5' CLAYEY SILT(till), trace to some sand, dense to very dense, moist, brown mottled gray to gray below 17'	CL	-14
15									-15
16									-16
17									-17
18									-18
19	SS-6	18.5'-20.0'	60	11-29-31	100	-		CL-ML	-19
20									-20
21									-21
22									-22
23									-23
24	SS-7	23.5'-25.0'	87	20-29-58	100	-		CL-ML	-24
25									-25
26									-26
27									-27
28									-28
29							27.5'-32.2' HIGHLY WEATHERED ROCK		-29
30	SS-8	28.5'-30.0'	100+	27-100/5"	100	-	AR 32.2'		-30
Drilling Method: HSA (2-1/4" id)		comments		* Qp test is an estimate of the unconfined compressive strength performed					
Depth: 0' to 32.2'		comments		by a compact calibrated spring loaded cylinder					
Drill Rig: Mobile B-47		comments		** ground surface elevation at boring location is estimated and is not surveyed					
Sampling: split-spoon (SS)									

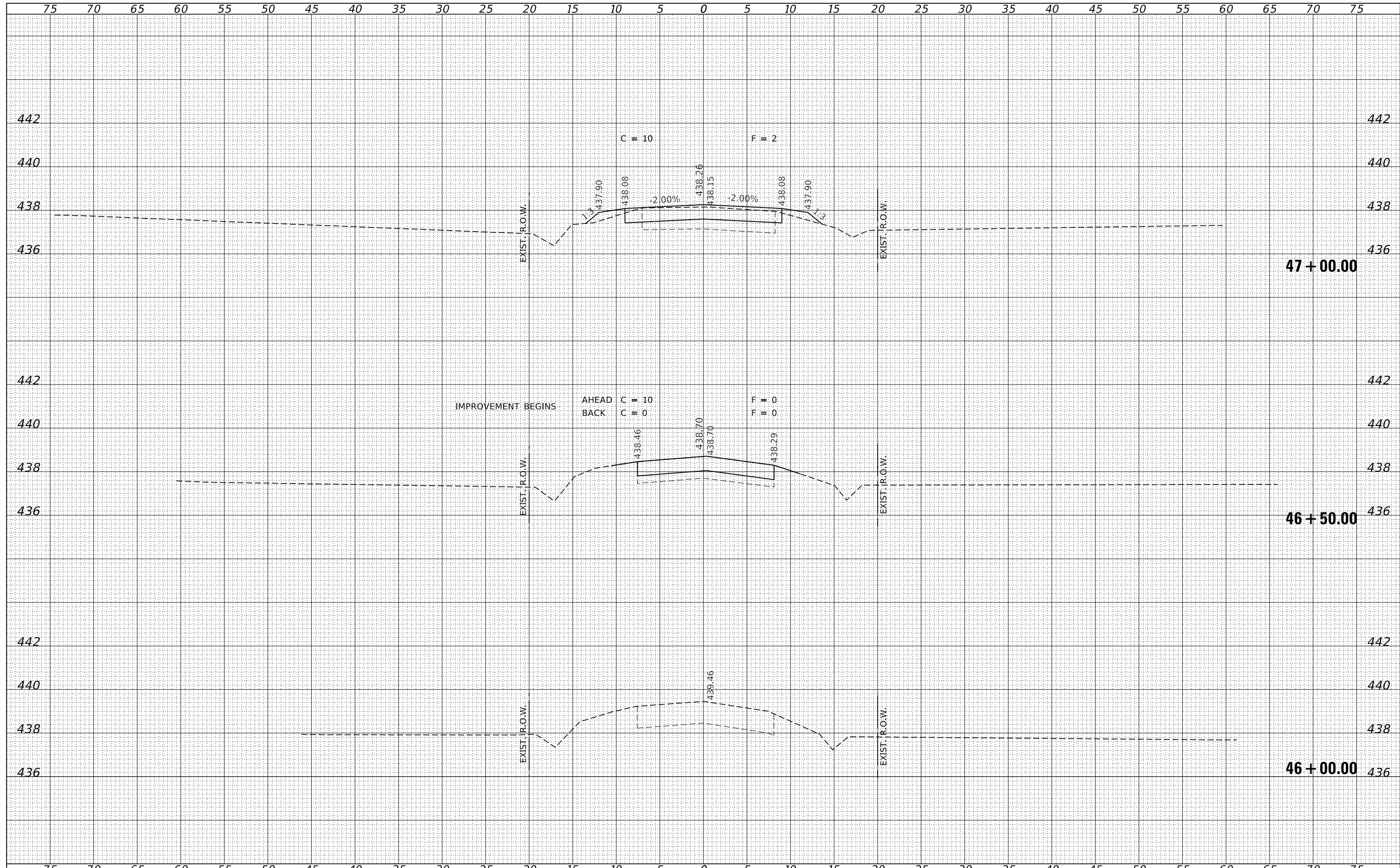
BORING-1

NOBLE				BORING No. B-2		water level reading			
ENGINEERING CONSULTANTS		County: Clay, IL		Sheet No. 1 of 1		1st encounter: 16'			
Client: Clay County Highway Dept.		Weather: Sunny		Temperature: 80's		water level reading			
Driller: Noble Engineering Consultants		Date Start: 8-07-17		Surface Elevation: Bridge Deck		@completion Dry Cave			
Location: Str. #013-3084		Date Finished: 8-07-17		Driller: Tony Schocker		Backfill: Soil cuttings			
Depth	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	USC Class.	Elev.**
1									-1
2	SS-1	1.0'-2.5'	7	5-4-3	30		0.0'-8.5' Topsoil over silt, clay, sand, etc, FILL	FILL	-2
3									-3
4	SS-2	3.5'-5.0'	3	1-1-2	100			FILL	-4
5									-5
6	SS-3	6.0'-7.5'	4	1-1-3	100			FILL	-6
7									-7
8									-8
9	SS-4	8.5'-10.0'	3	1-1-2	100	0.8	8.5'-14.0' SILTY CLAY, trace to some sand, medium stiff, brown	CL	-9
10									-10
11									-11
12									-12
13									-13
14	SS-5	13.5'-15.0'	60	10-29-31	100		14.0'-27.1' CLAYEY SILT(till), trace to some sand, dense to very dense, moist, brown mottled gray to gray below 16'	CL-ML	-14
15									-15
16									-16
17									-17
18									-18
19	SS-6	18.5'-20.0'	56	12-25-31	100	-		CL-ML	-19
20									-20
21									-21
22									-22
23									-23
24	SS-7	23.5'-25.0'	82	21-27-55	100	-		CL-ML	-24
25									-25
26									-26
27									-27
28									-28
29							27.1'-32.4' HIGHLY WEATHERED ROCK		-29
30	SS-8	28.5'-30.0'	100+	24-100/5"	100	-	AR 32.4'		-30
Drilling Method: HSA (2-1/4" id)		comments		* Qp test is an estimate of the unconfined compressive strength performed					
Depth: 0' to 32.4'		comments		by a compact calibrated spring loaded cylinder					
Drill Rig: Mobile B-47		comments		** ground surface elevation at boring location is estimated and is not surveyed					
Sampling: split-spoon (SS)									

BORING-2

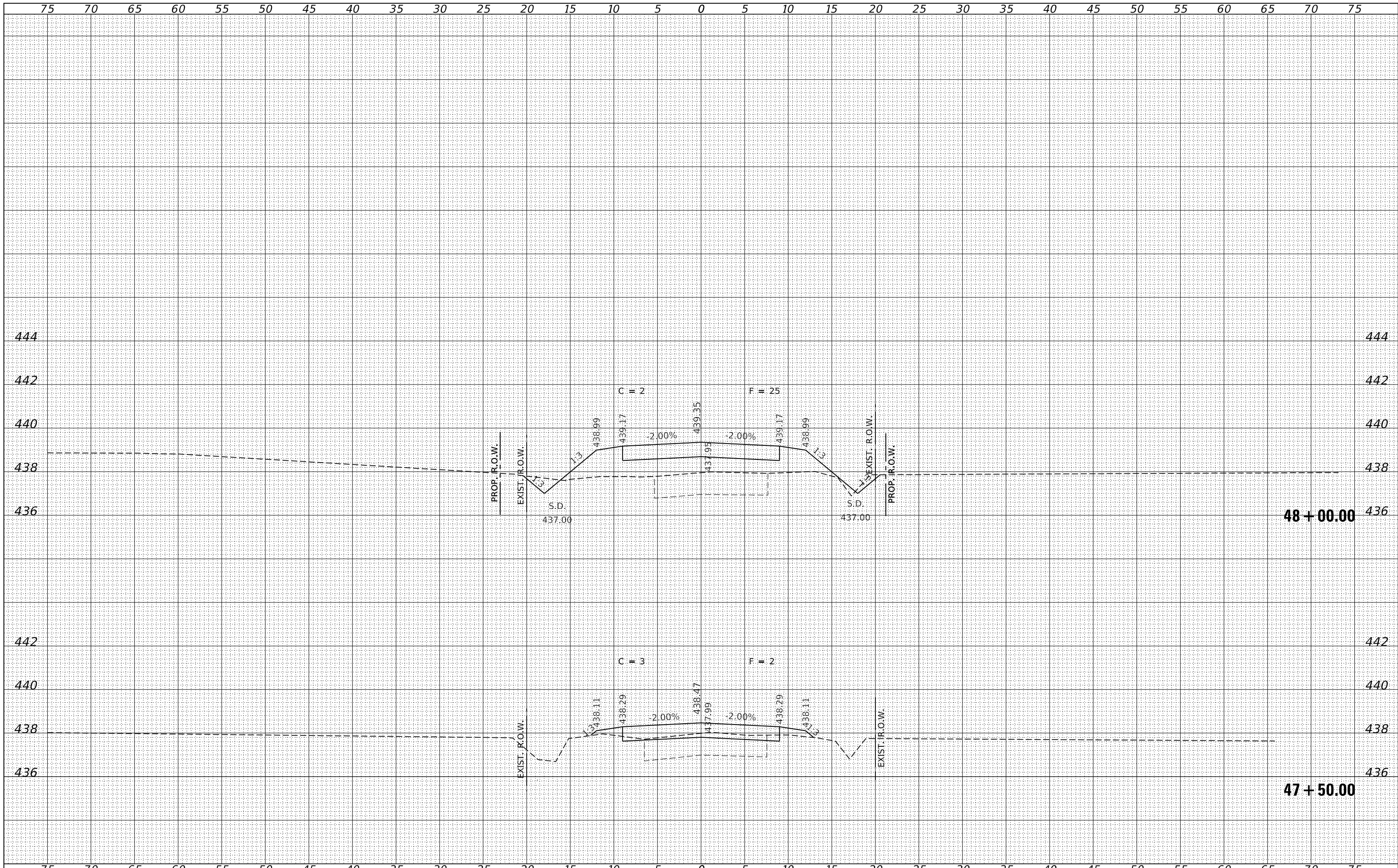
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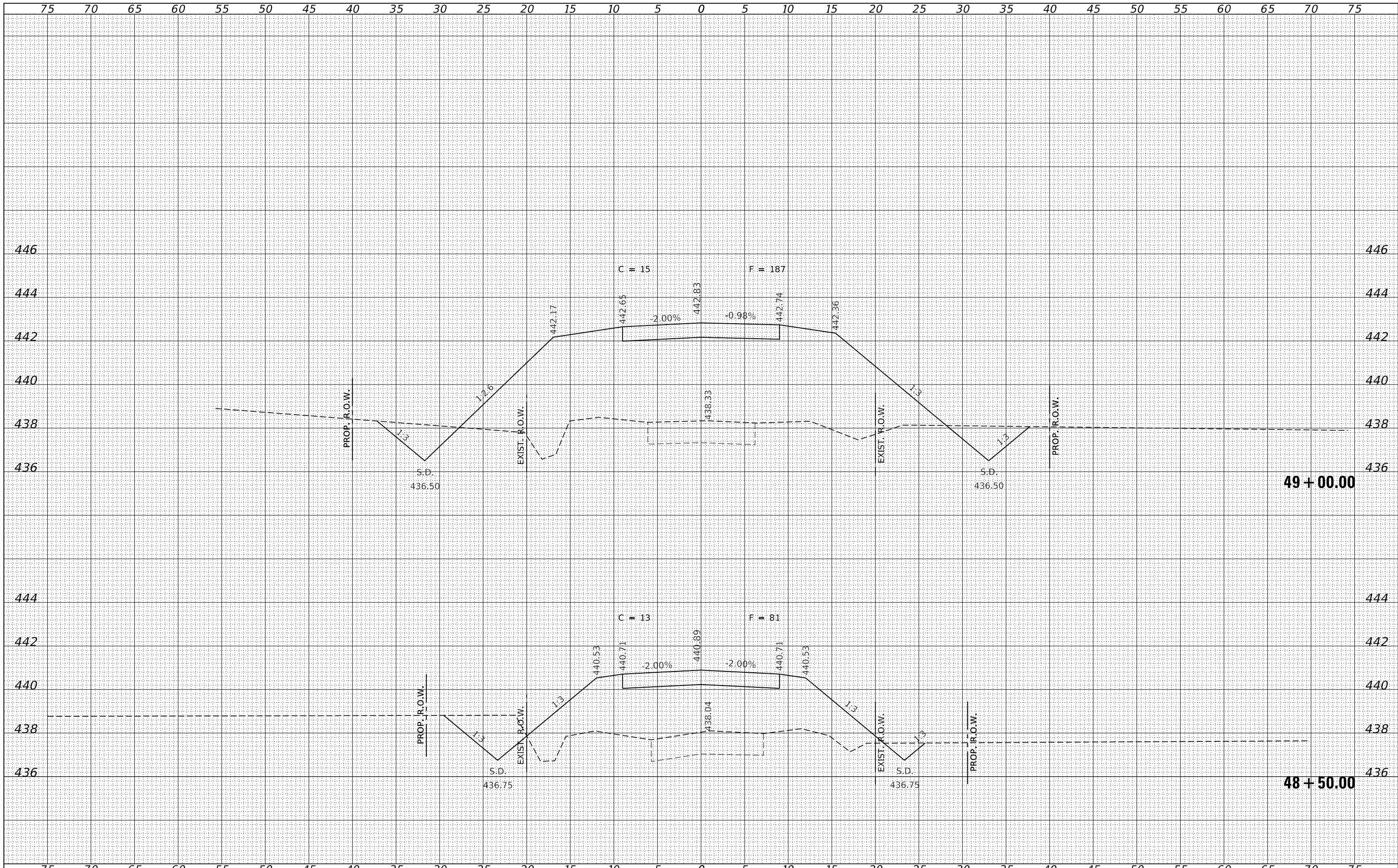
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HAMPTON, LENZINI AND RENWICK, INC. <small>3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000958</small>		DRAWN - T.W.K.	REvised -		179	16-09124-00-BR	CLAY	25	16		
PLOT SCALE = \$SCALES PLOT DATE = 3/28/2019		CHECKED - S.W.M.	REvised -		SCALE: 5H:2V SHEET NO. 2 OF 11 SHEETS STA. 47+50.00 TO STA. 48+00.00		PIXLEY TOWNSHIP CONTRACT NO. 95850				
		DATE - 03/28/19	REvised -				ILLINOIS FED. AID PROJECT M3XU(565)				

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NOTE BOOK	PLOTTED
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 CHECKED - S.W.M.
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 PLOT DATE = 3/28/2019

USER NAME = rmosck
 DESIGNED - J.W.F.
 DRAWN - T.W.K.
 CHECKED - S.W.M.
 DATE - 03/28/19
 PLOT SCALE = \$Scales\$
 PLOT DATE = 3/28/2019

DESIGNED - J.W.F.
 DRAWN - T.W.K.
 CHECKED - S.W.M.
 DATE - 03/28/19

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STATE OF ILLINOIS
 CLAY COUNTY HIGHWAY DEPARTMENT

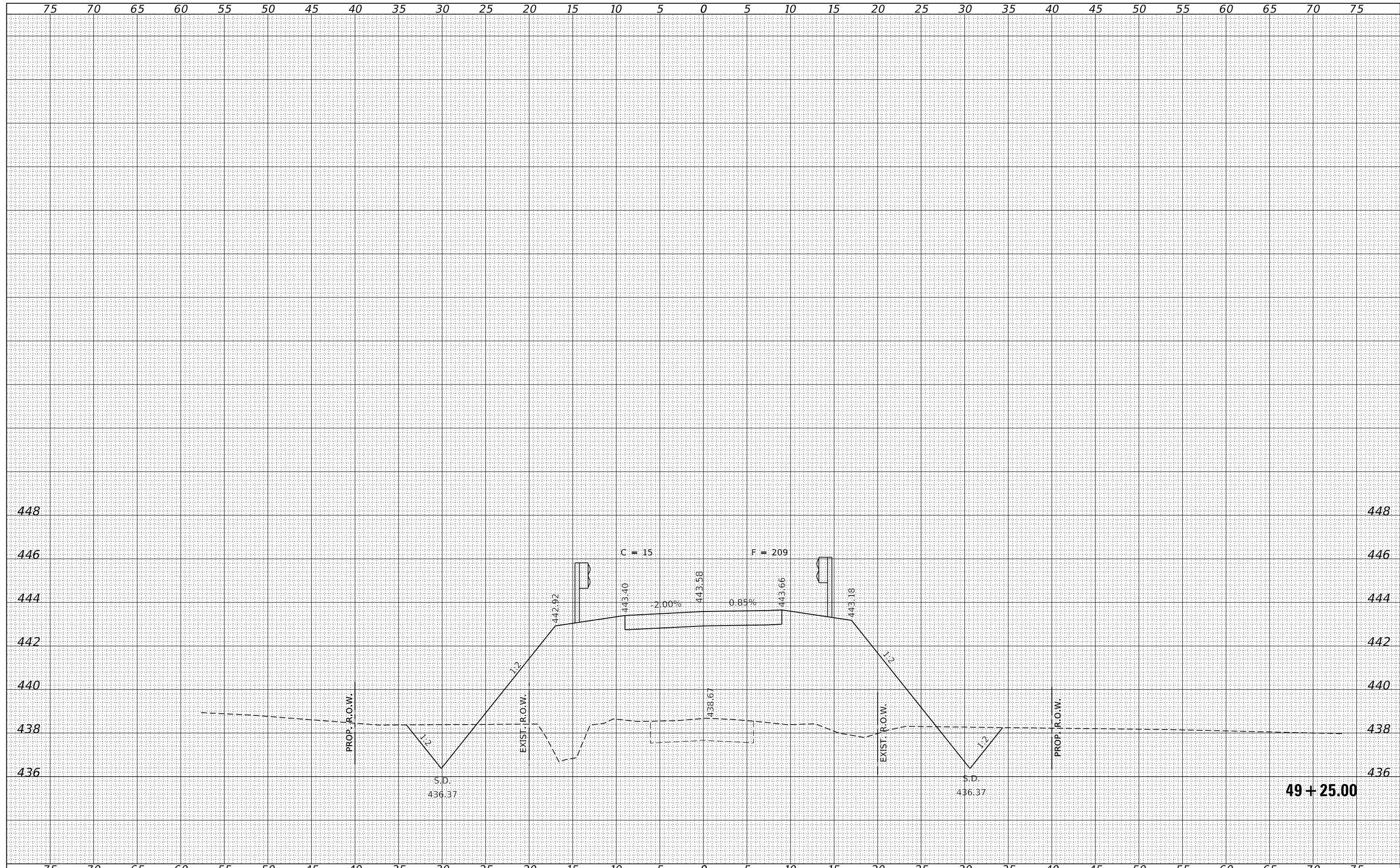
STATION CROSS SECTIONS
 QUARTZ LN

SCALE: 5H:2V SHEET NO. 3 OF 11 SHEETS STA. 48+50.00 TO STA. 49+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
179	16-09124-00-BR	CLAY	25	17
PIXLEY TOWNSHIP			CONTRACT NO. 95850	
ILLINOIS FED. AID PROJECT M3XU(565)				

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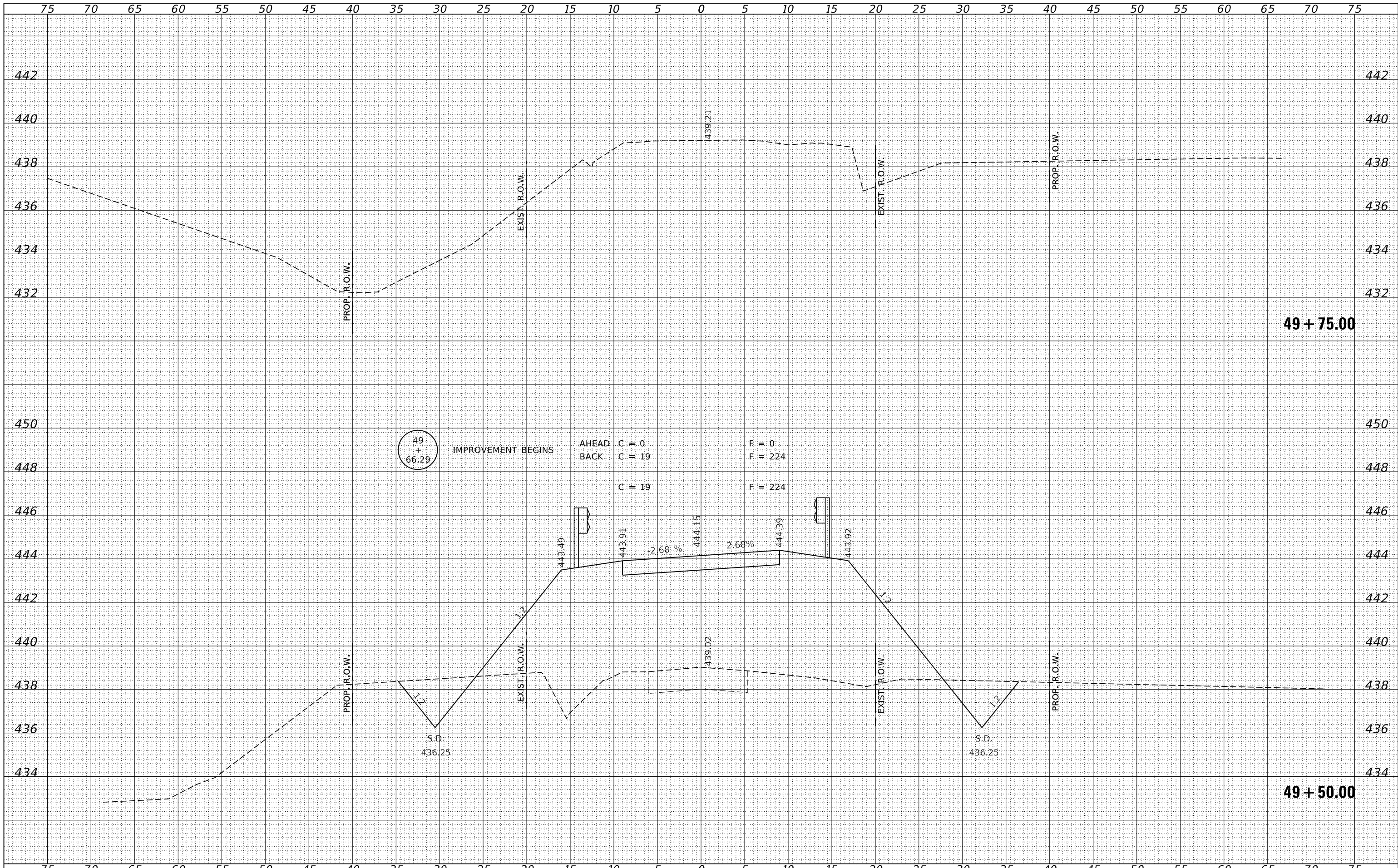


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HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.009958	PLOT SCALE = \$SCALES	DRAWN - T.W.K.	REvised -					179	16-09124-00-BR	CLAY	25	18
PLOT DATE = 3/28/2019	CHECKED - S.W.M.	REvised -	PIXLEY TOWNSHIP					CONTRACT NO. 95850				
DATE - 03/28/19	REvised -	SCALE: 5H:2V	SHEET NO. 4 OF 11 SHEETS					STA. 49+25.00 TO STA. 49+25.00	ILLINOIS FED. AID PROJECT M3XU(565)			

49 + 25.00

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 CHECKED - S.W.M.
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 HAMPTON, LENZINI AND RENWICK, INC.
 3885 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184-009858

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STATE OF ILLINOIS
 CLAY COUNTY HIGHWAY DEPARTMENT

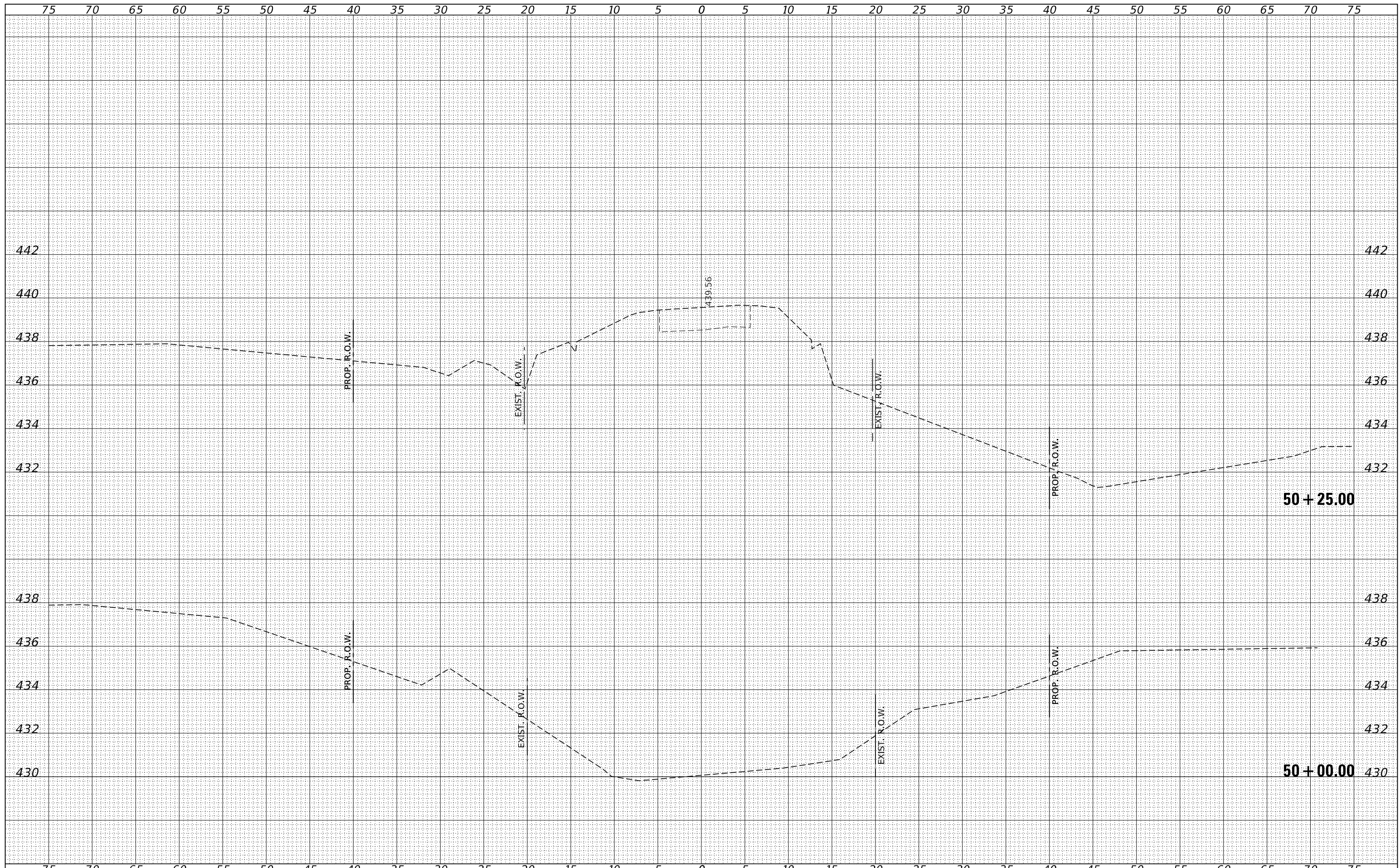
STATION CROSS SECTIONS
 QUARTZ LN

SCALE: 5H:2V SHEET NO. 5 OF 11 SHEETS STA. 49+50.00 TO STA. 49+75.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
179	16-09124-00-BR	CLAY	25	19
PIXLEY TOWNSHIP			CONTRACT NO. 95850	
ILLINOIS FED. AID PROJECT M3XU(565)				

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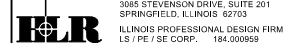
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**STATE OF ILLINOIS
 CLAY COUNTY HIGHWAY DEPARTMENT**

**STATION CROSS SECTIONS
 QUARTZ LN**

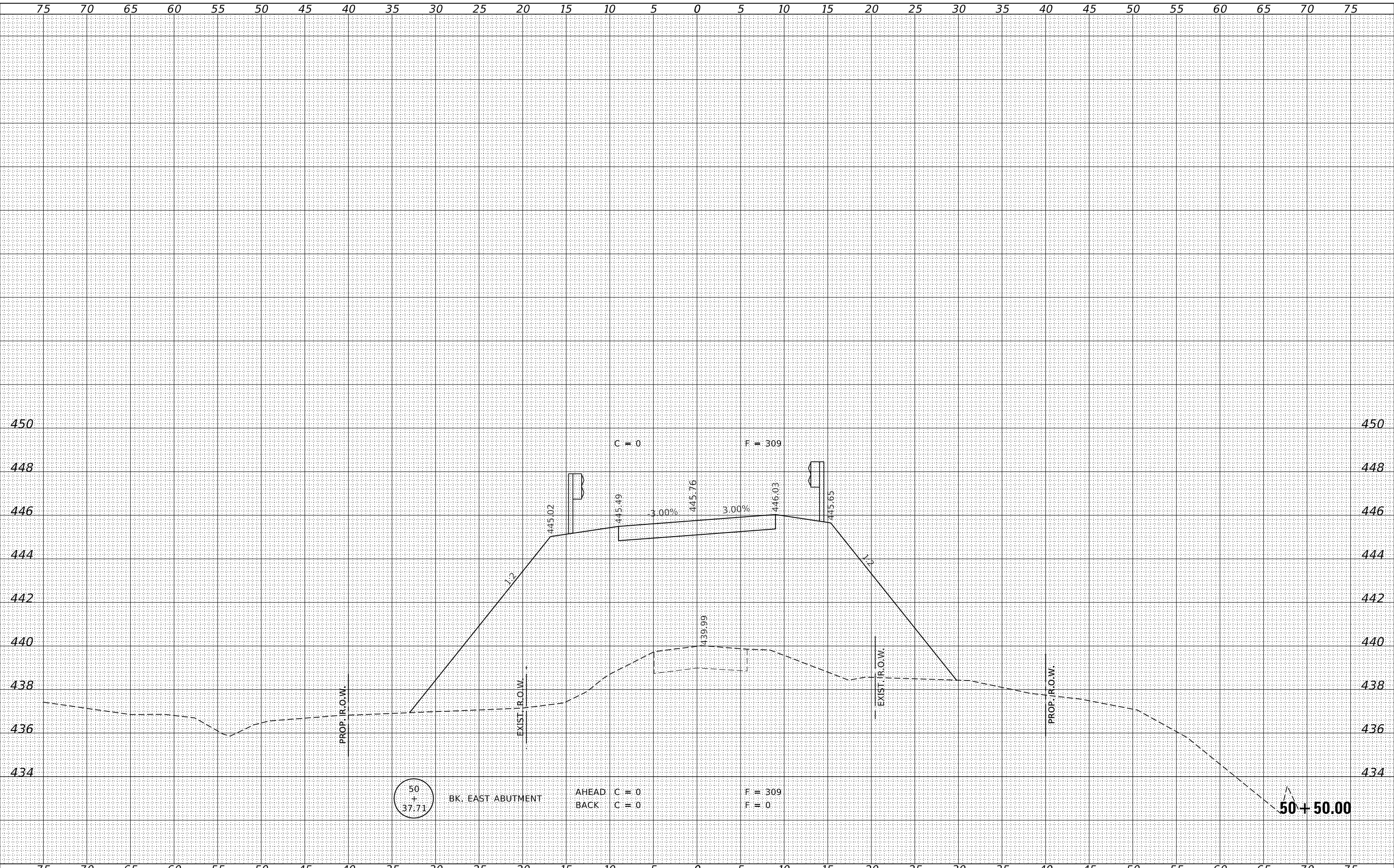
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T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PIXLEY TOWNSHIP			CONTRACT NO. 95850	
ILLINOIS FED. AID PROJECT M3XU(565)				



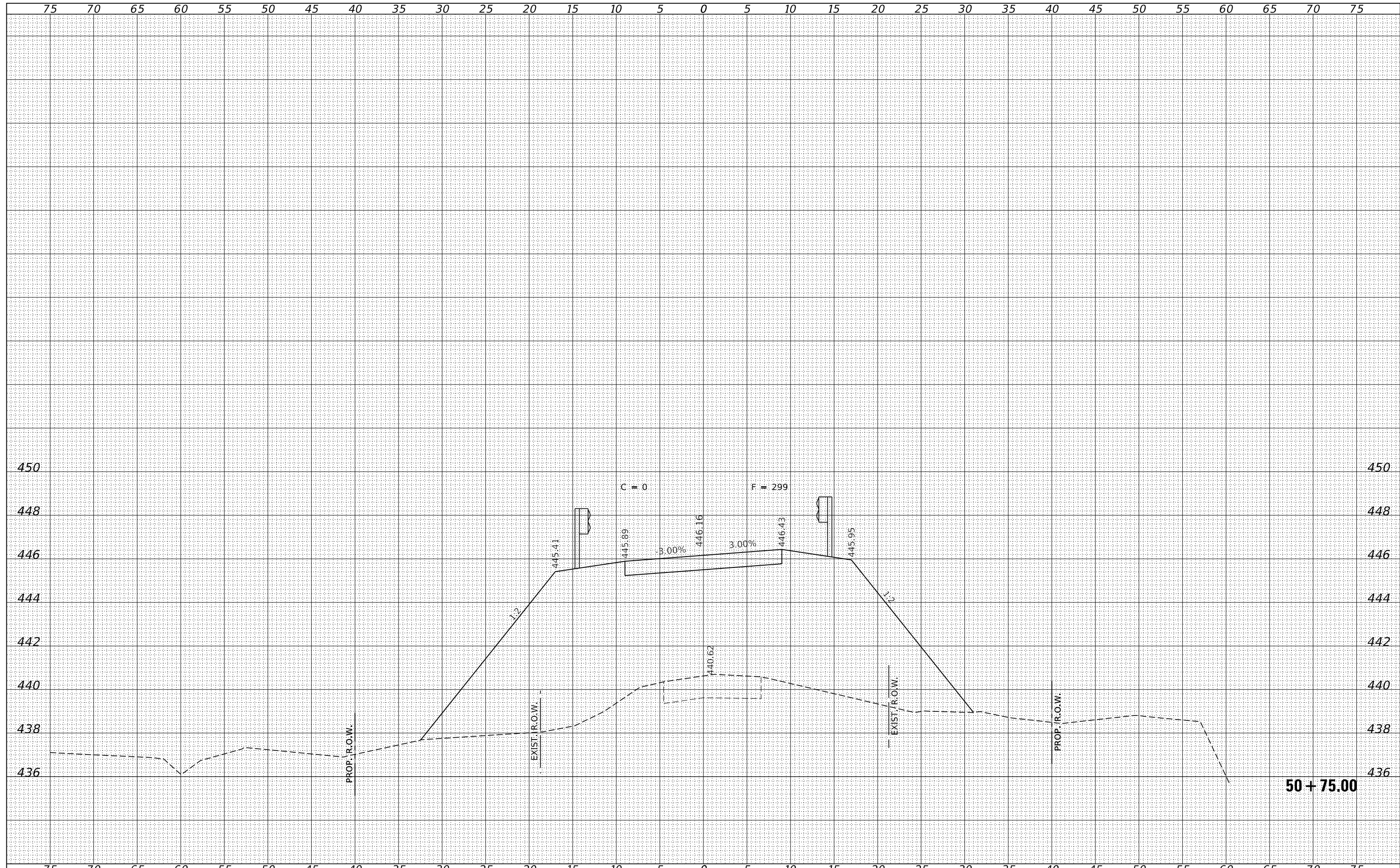
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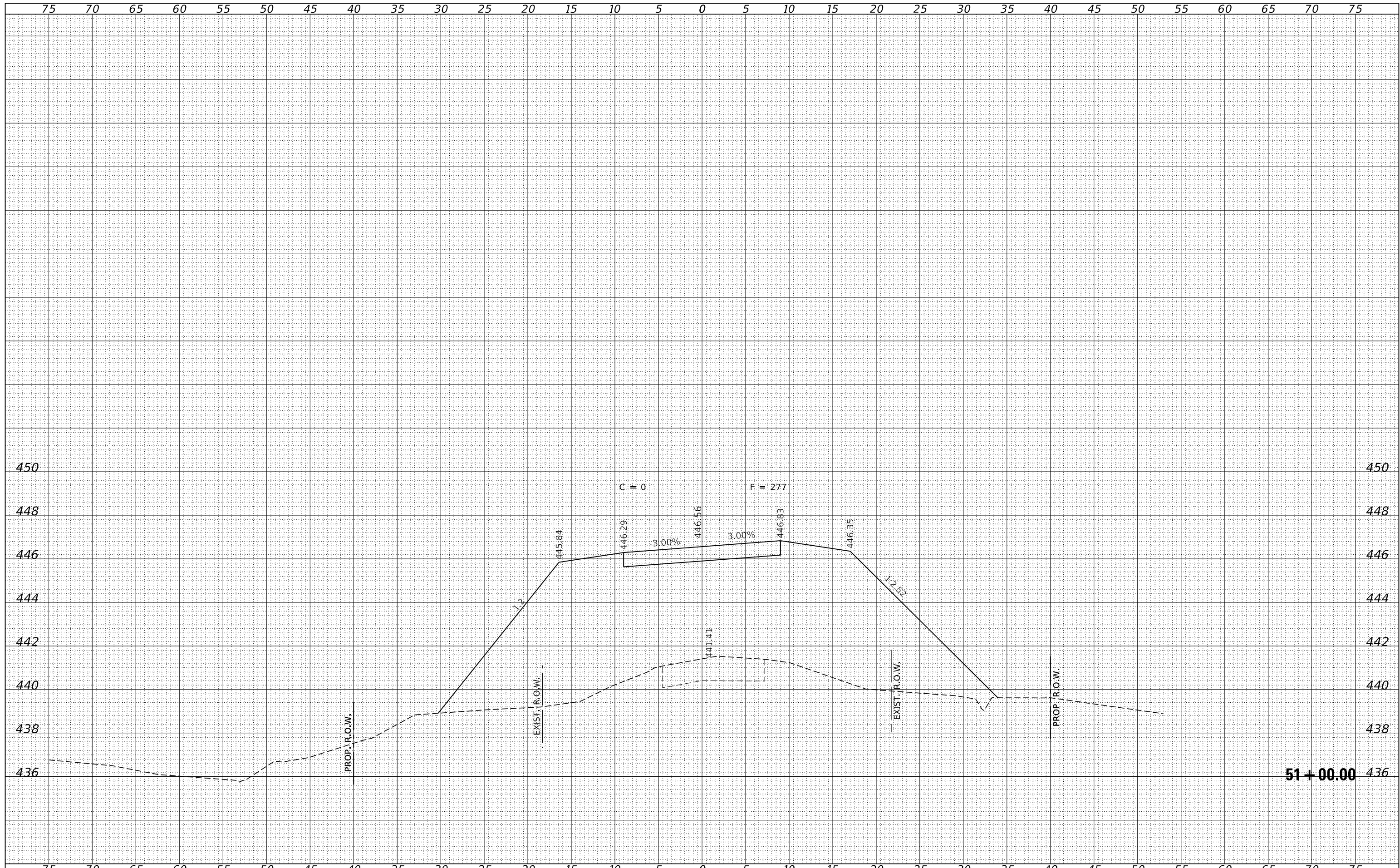
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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		179	16-09124-00-BR	CLAY	25	22
3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -		PIXLEY TOWNSHIP		CONTRACT NO. 95850		
ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E. CORP. 184.000958		DATE - 03/28/19	REVISED -		SCALE: 5H:2V	SHEET NO. 8 OF 11 SHEETS	STA. 50+75.00 TO STA. 50+75.00	ILLINOIS FED. AID PROJECT M3XU(565)	

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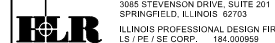
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**STATE OF ILLINOIS
 CLAY COUNTY HIGHWAY DEPARTMENT**

**STATION CROSS SECTIONS
 QUARTZ LN**

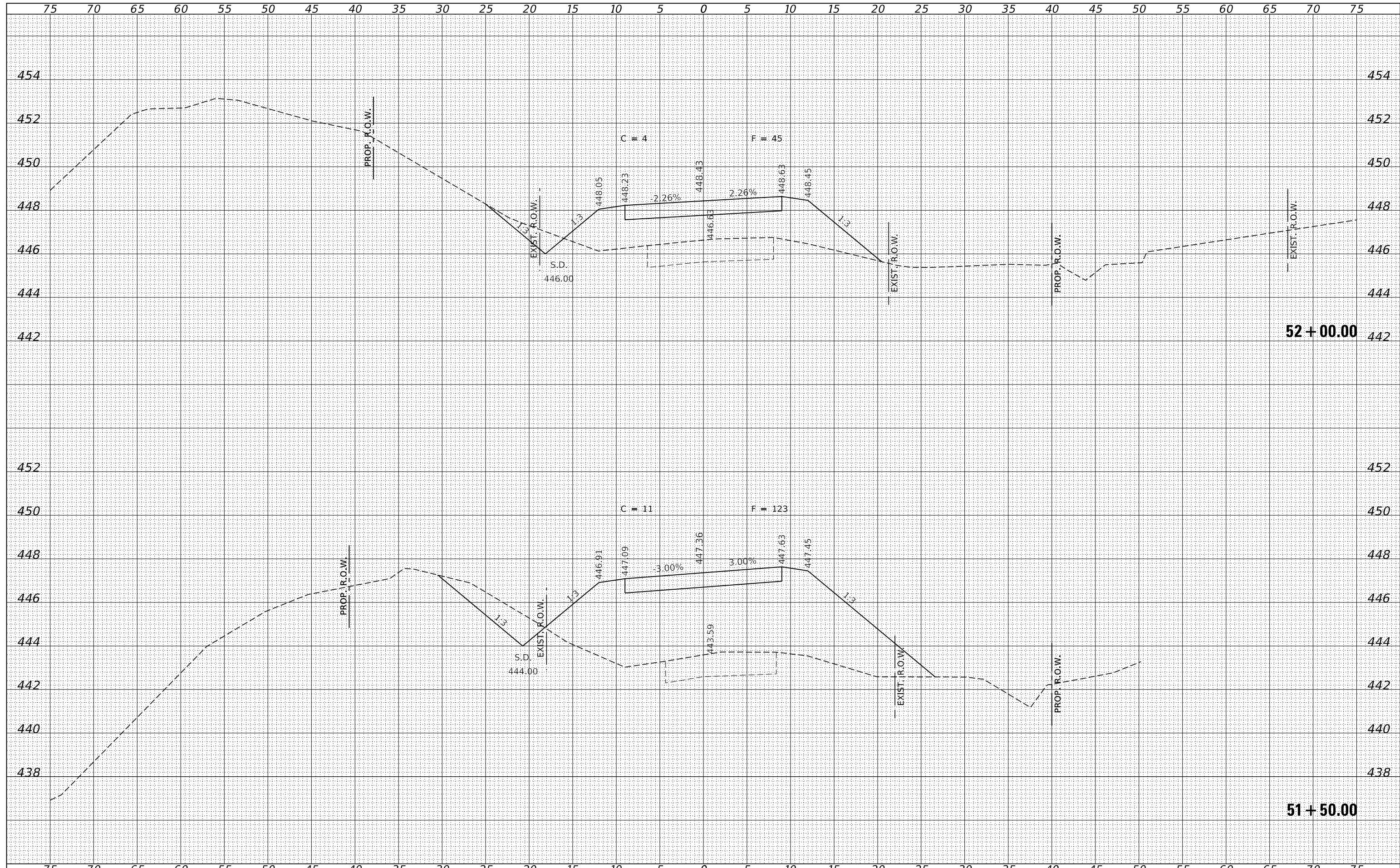
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T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
179	16-09124-00-BR	CLAY	25	23
PIXLEY TOWNSHIP		CONTRACT NO. 95850		
ILLINOIS FED. AID PROJECT M3XU(565)				

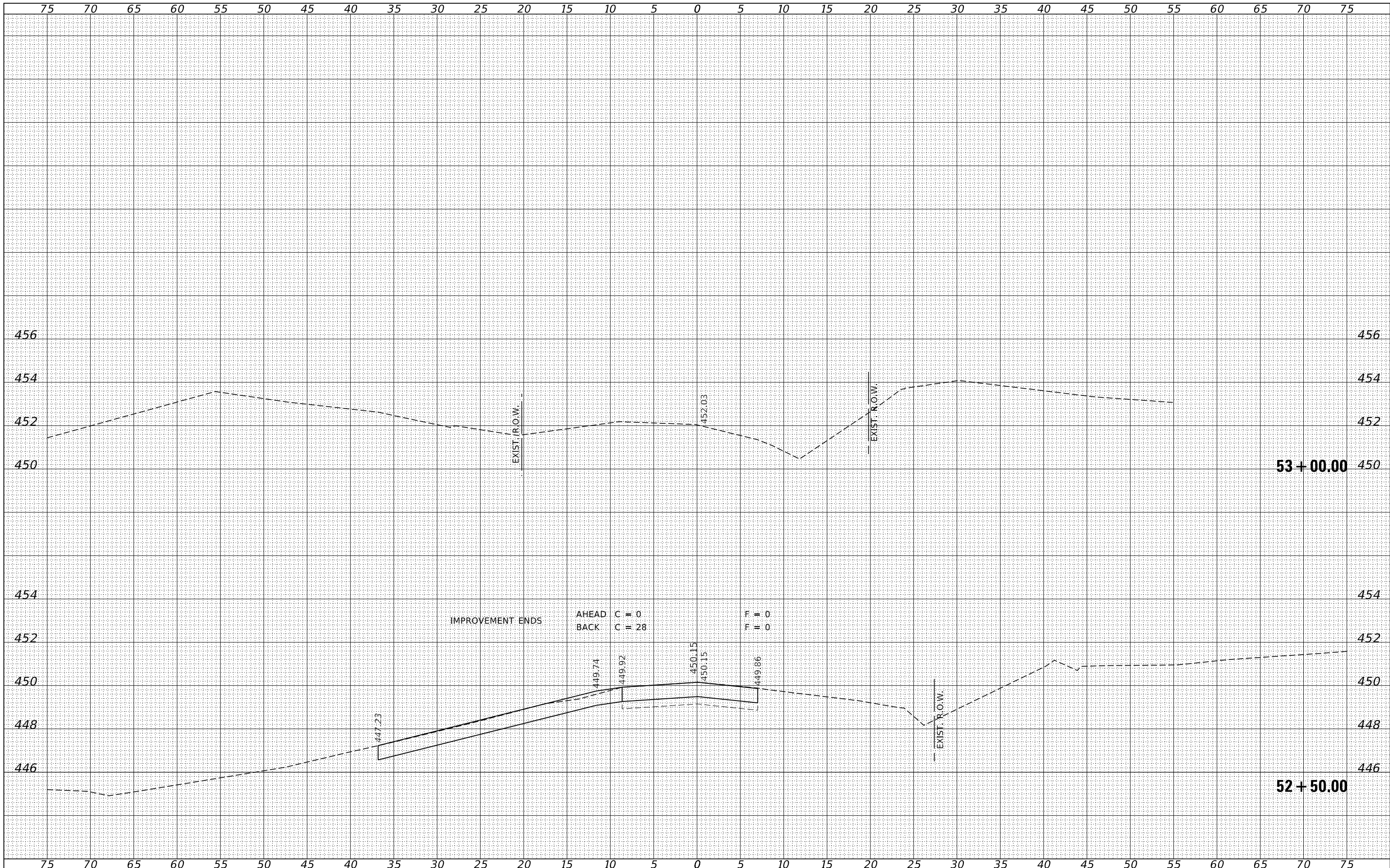


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HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000958	PLOT SCALE = \$Scales	DRAWN - T.W.K.	REvised -		179	16-09124-00-BR	CLAY	25	24
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		DATE - 03/28/19	REvised -		ILLINOIS FED. AID PROJECT M3XU(565)				



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