

11-08-2024 LETTING ITEM 131

INDEX OF SHEETS

SHEET NO. DESCRIPTION

- | | |
|--------|---|
| 1. | COVER SHEET |
| 2. | SUMMARY OF QUANTITIES AND GENERAL NOTES |
| 3. | TYPICAL CROSS SECTIONS |
| 4. | PLAN AND PROFILE |
| 5-15. | BRIDGE PLANS |
| 16-23. | STATION CROSS SECTIONS |

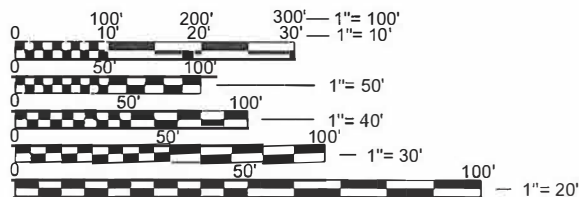
SEE PROPOSAL BOOKLET FOR HIGHWAY STANDARDS:

515001-04	NAME PLATE FOR BRIDGES
701901-09	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

UTILITIES

AMEREN
713 S. 9TH STREET
P.O. BOX 566
MATTOON, IL 61938

FRONTIER COMMUNICATIONS
109 E. MARKET STREET
BLOOMINGTON, IL 61705



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.

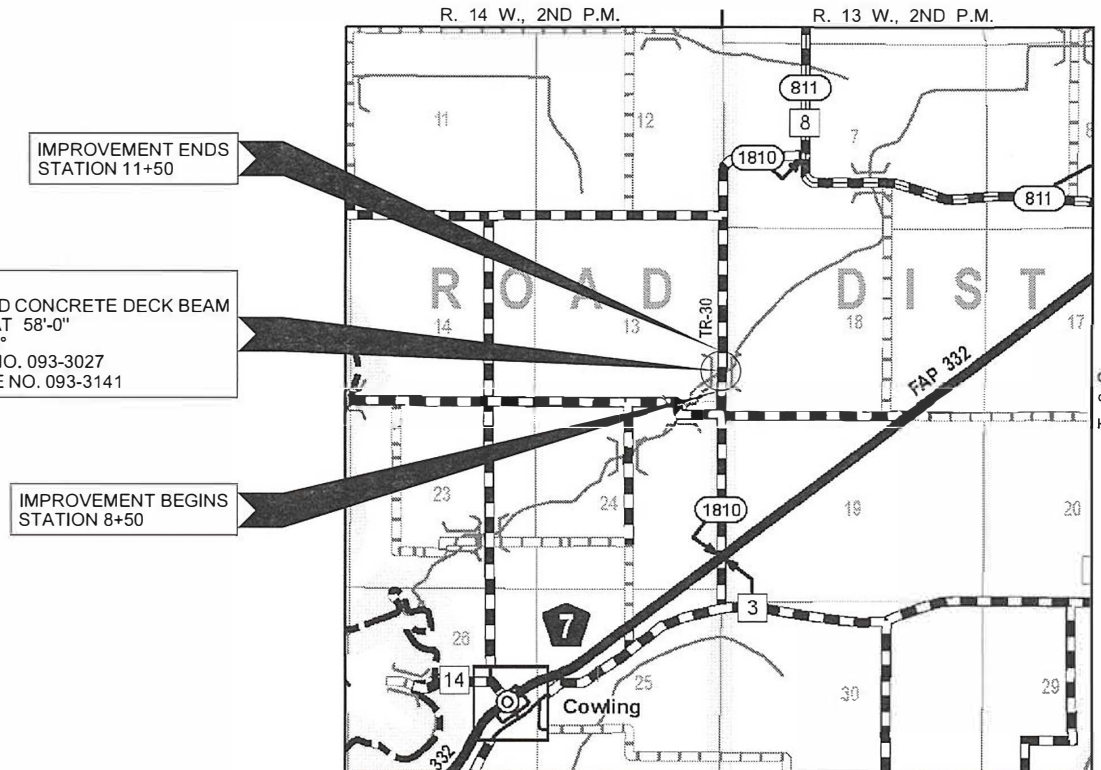
FUNCTIONAL CLASSIFICATION: MINOR COLLECTOR
DESIGN SPEED: 40 MPH
DESIGN TRAFFIC: 150 ADT

CONTRACT NO. 95966 PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED LOCAL BRIDGE FORMULA PROGRAM

PROJECT QH3P(061)
SECTION 20-05124-00-BR
ROAD DISTRICT NO. 5
WABASH COUNTY
F.A.S. 1810 / 400E
PROPOSED STRUCTURE NO. 093-3141
C-97-098-23



LOCATION MAP

APPROXIMATE SCALE: 0 1/2 MILE
NET LENGTH OF SECTION = 300 FEET = 0.057 MILES

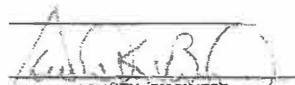


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1810	20-05124-00-BR	WABASH	23	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 95966	



LOCATION OF SECTION INDICATED THUS: —

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED 
COUNTY ENGINEER

APPROVED _____
TOWNSHIP COMMISSIONER

PASSED 7-24-24

DISTRICT SEVEN ENGINEER OF
LOCAL ROADS & STREETS
7-24-24

REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE: 03/21/2024



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
184.002959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

EXPIRES: 11/30/2025

PROJECT NUMBER: 22.0151.130

DATE: 03/21/2024

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	CONSTRUCTION TYPE CODE	
		0010	
		UNIT	TOTAL
20200100	EARTH EXCAVATION	CU YD	290
20300100	CHANNEL EXCAVATION	CU YD	90
20400800	FURNISHED EXCAVATION	CU YD	5
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	350
35200410	PROCESSING SOIL-CEMENT BASE COURSE 10"	SQ YD	535
35200500	CEMENT	100 WT	264
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	237
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	335
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	28.6
50300280	CONCRETE ENCASEMENT	CU YD	3.4
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,624
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,420
* 50900205	STEEL RAILING, TYPE S1	FOOT	114
51201400	FURNISHING STEEL PILES HP10X42	FOOT	400
51202305	DRIVING PILES	FOOT	400
51500100	NAME PLATES	EACH	1
67100100	MOBILIZATION	L SUM	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	114
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	38
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.2
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
LR403200	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.6
LR403400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	2.4
LR403500	COVER COAT AGGREGATE	TON	13.8
LR403600	SEAL COAT AGGREGATE	TON	13.8

* SPECIALTY ITEM

EARTHWORK SCHEDULE							
LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	CU.YD.	CU.YD.			CU.YD.	CU.YD.	CU.YD.
F.A.S. 1810 / 400 E.							
STA. 8+50.00 TO STA. 9+70.29	144		25.00%	100.00%	108	34	74
STA. 9+70.29 TO STA. 10+29.71		90	25.00%	70.00%	47		47
STA. 10+29.71 TO STA. 11+50.00	147		25.00%	100.00%	111	91	20
TOTAL	291	90			266	125	141
USE	290	90					140

WASTE EXCAVATION 140 CU YDS

GENERAL NOTES

- 1) ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022". (HERE IN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS; 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.
- 2) ALL CLEARING, GRUBBING, FENCE REMOVAL, PAVEMENT REMOVAL, AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. ALL AGGREGATE AND BITUMINOUS PAVEMENT SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. REMOVAL AND DISPOSAL OF PAVEMENT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 3) 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.
- 4) ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF THE DEPARTMENT.
- 5) 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.
- 6) THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES

AGGREGATE BASE COURSE2.05 TON/CU YD

STONE DUMPED RIPRAP1.75 TON/CU YD

BITUMINOUS MATERIALS (PRIME COAT)0.25 GAL/SQ YD

BITUMINOUS MATERIALS (COVER COAT)0.50 GAL/SQ YD

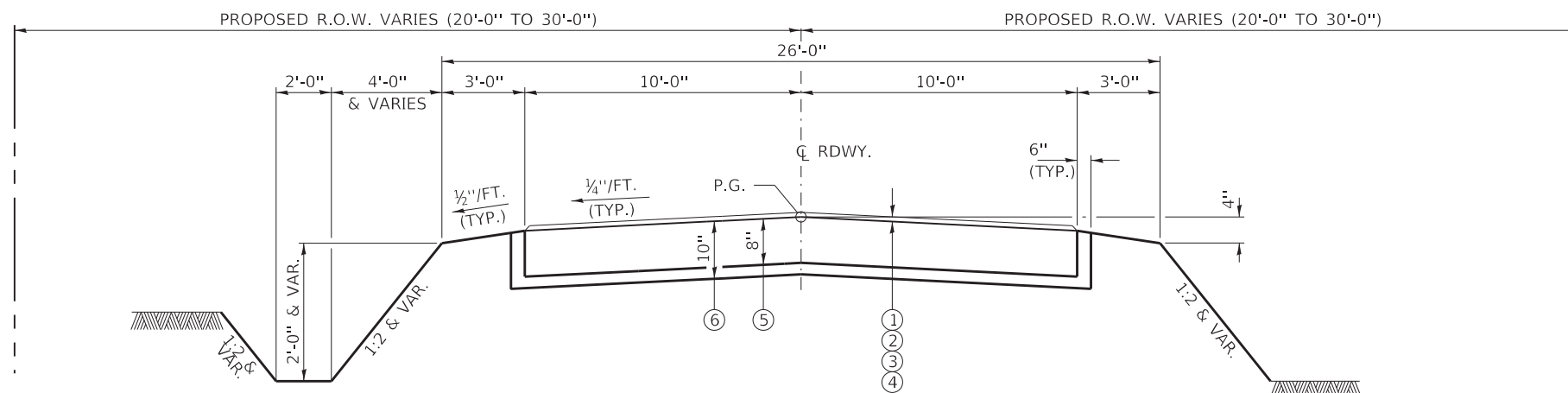
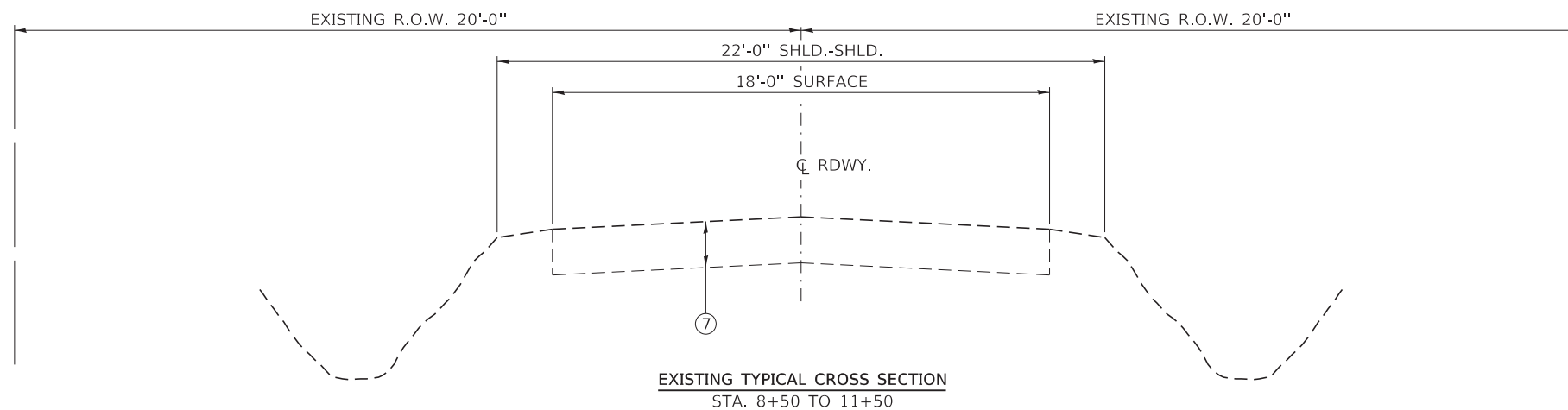
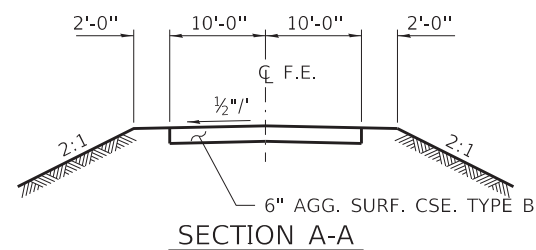
BITUMINOUS MATERIALS (SEAL COAT)0.50 GAL/SQ YD

COVER COAT AGGREGATE25 LBS/SQ YD

SEAL COAT AGGREGATE25 LBS/SQ YD
- 7) THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER.

SEEDING, CLASS 2 (SPECIAL) =0.2 ACRES
- 8) ALL WASTE MATERIAL FROM EXCAVATIONS SHALL BE DISPOSED OF BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 9) CONTRACTOR SHALL CONSULT THE ENGINEER REGARDING THE EXACT PIPE CULVERT LENGTH BEFORE ORDERING THESE ITEMS.
- 10) CONTRACTOR SHALL CONSULT THE ENGINEER REGARDING THE EXACT TYPE OF OIL FOR BITUMINOUS MATERIALS TO BE APPLIED.

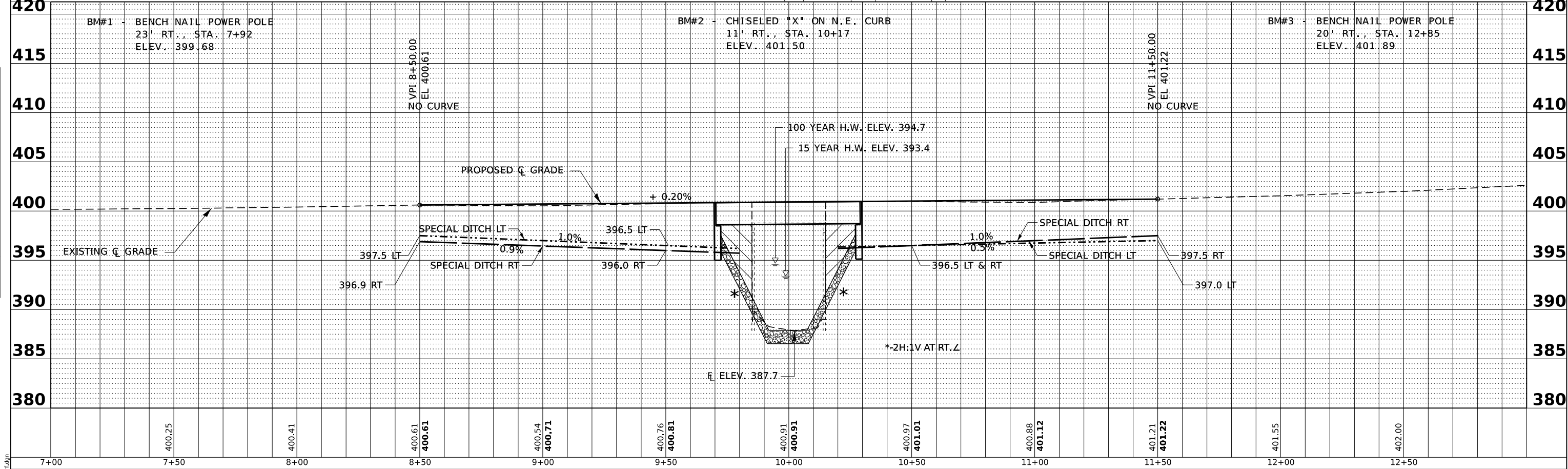
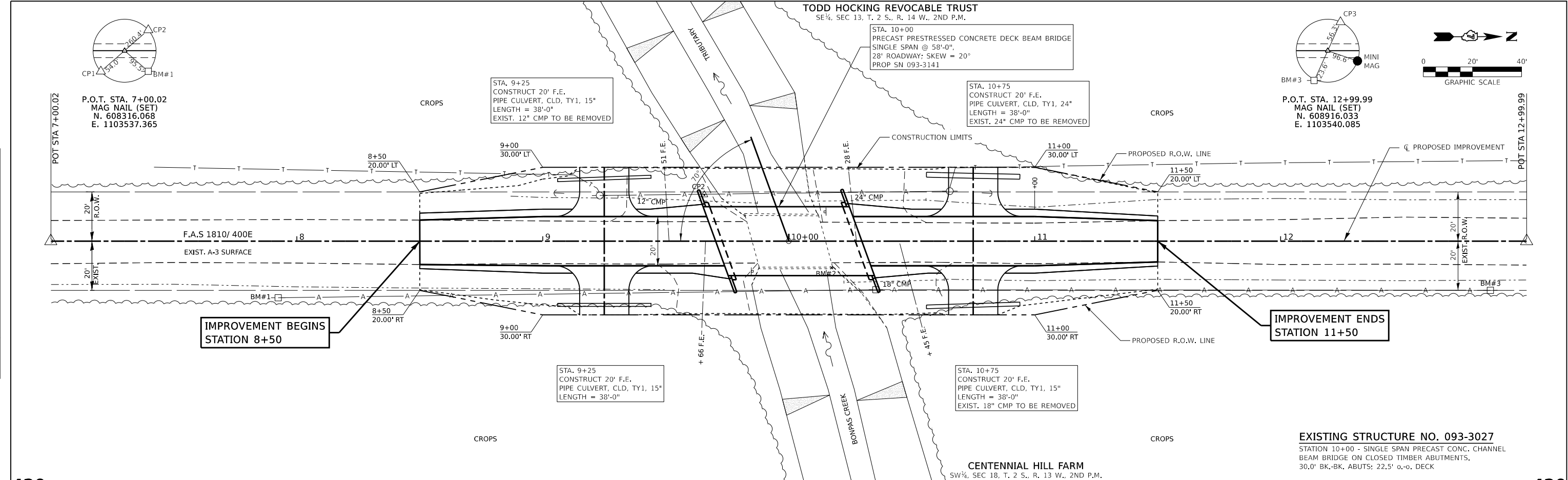
ROADWAY SCHEDULE		
LOCATION	AGGRFGATF SURFACE COURSE, TYPE A	AGGRFGATF SURFACE COURSE, TYPE B
	40200100	40200800
F.A.S. 1810 / 400 E.	TON	TON
STA. 8+50.00 TO STA. 9+70.29	119	
STA. 10+29.71 TO STA. 11+50.00	118	
BACKFILL AT ABUTMENTS		140
ENTRANCES		195
TOTAL	237	335



FILE NAME = 220151-shit-tysections.dgn		USER NAME = rthosick	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS WABASH COUNTY HIGHWAY DEPARTMENT	TYPICAL CROSS SECTIONS					F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM 1/S / P E / S E CORP. 184.000959			DRAWN - D.M.F.	REVISED -							1810	20-05124-00-BR	WABASH	23	3
PLOT SCALE = \$SCALE\$			CHECKED - S.W.M.	REVISED -		ROAD DISTRICT NO. 5		CONTRACT NO. 95966							
PLOT DATE = 7/3/2024			DATE = 03/21/2024	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		C-97-098-23	ILLINOIS	FED. AID PROJECT QH39(061)		

PLAN	SURVEYED	DATE
BY		
NO.		
NOTE BOOK		
NO.		

PROFILE	SURVEYED	DATE
BY		
NO.		
NOTE BOOK		
NO.		



FILE NAME: 220151-sh-rd-impr.dgn

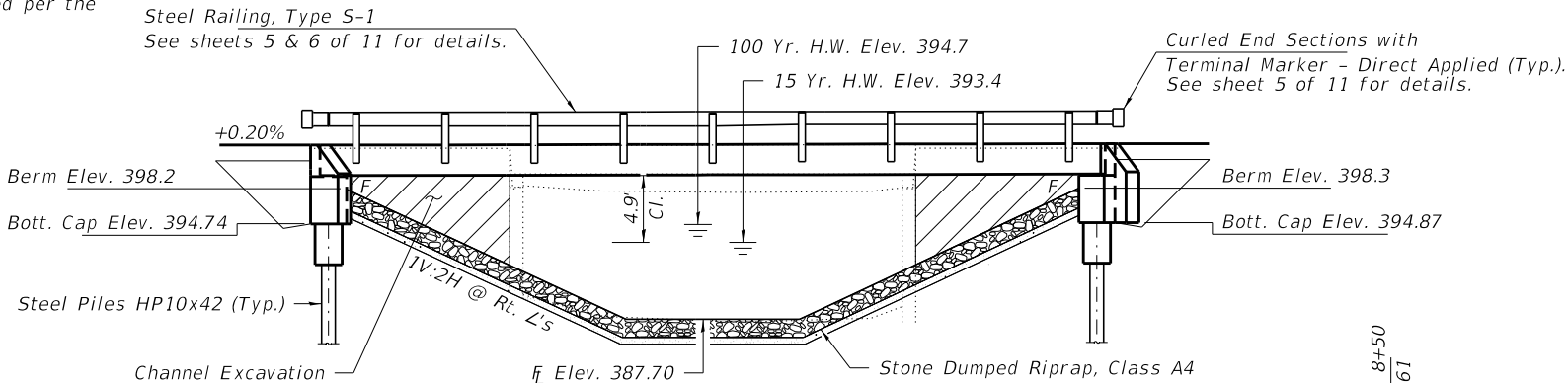
HAMPTON, LENZINI AND RENWICK, INC. 3085 ADLAI STEVENSON DR SPRINGFIELD, IL 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-000999 	USER NAME = dfoley	DESIGNED = S.A.A.	REVISED =	STATE OF ILLINOIS WABASH COUNTY HIGHWAY DEPARTMENT	PLAN AND PROFILE					F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALE\$	DRAWN = J.B.L.	REVISED =							1810	20-05124-00-BR	WABASH	23	4
	PLOT DATE = 5/3/2024	CHECKED = J.W.F.	REVISED =		1400 E. ROAD	CONTRACT NO. 95966								
		DATE = \$DAT\$	REVISED =		C-97-098-23	ILLINOIS	FED. AID PROJECT QH39(061)							
					SCALE: 5V:20H	SHEET 1	OF 1	SHEETS	STA. 7+00	TO STA. 13+00				

BENCHMARK: Chisled "X" on N.E. Curb 11' RT., Sta 10+17, Elev. 401.50

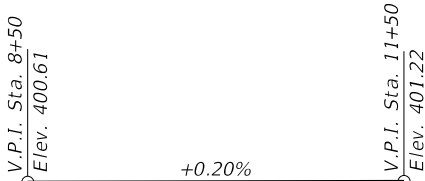
EXISTING STRUCTURE NO. 093-3027: Sta. 10+00 - Single Span Precast Concrete Channel Beam Bridge on Closed Tied Abutments 30.0' Bk.-Bk. Abuts., 22.5' o.-o. Deck.

Structure closed to traffic during construction.

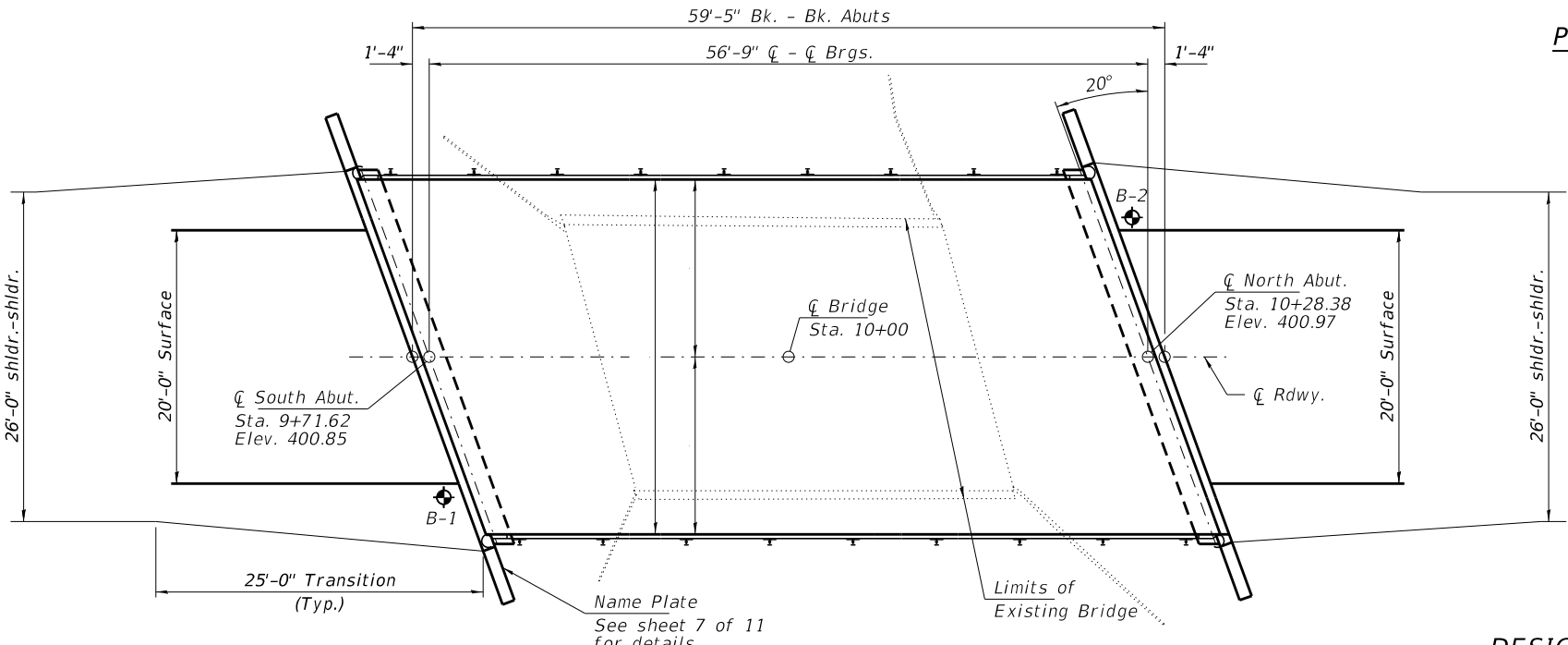
The existing bridge railing shall be salvaged per the direction of the Engineer.



ELEVATION



PROFILE GRADE
F.A.S. 1810



PLAN

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition with all interims.

LOADING HL-93

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

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinf.)

PRECAST PRESTRESSED UNITS

$f'_c = 6,000$ psi
 $f'_{ci} = 5,000$ psi
 $f_{pu} = 270,000$ psi ($\frac{1}{2}$ " $\emptyset$ low lax. strands)
 $f_{pbt} = 201,960$ psi ($\frac{1}{2}$ " $\emptyset$ low lax. strands)
 $f_y = 60,000$ psi (Reinf.)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.265g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.631g
Soil Site Class = D

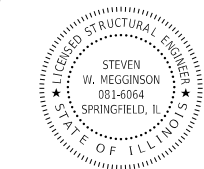
WATERWAY INFORMATION

Drainage Area = 5.5 Sq. Mi.				Existing Low Grade Elev. 400.2 @ Sta. 7+00 Proposed Low Grade Elev. 400.2 @ Sta. 7+00					
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. Exist.	Prop.	H.W.E. Exist.	Prop.	Headwater El. Exist.	Prop.
Ten-Year	10	332	120	120	393.1	0.0	0.0	393.1	393.1
Design	15	370	130	130	393.4	0.0	0.0	393.4	393.4
Base	100	563	160	180	394.7	0.0	0.0	394.7	394.7
Scour Check	200	630	170	200	395.1	0.0	0.0	395.1	395.1
Max Calc	500	725	190	220	395.6	0.0	0.0	395.6	395.6

10 Year Velocity through Existing Bridge = 2.6 fps
10 Year Velocity through Proposed Bridge = 2.8 fps

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

Steven W. Megginson 03/26/2024
ILLINOIS STRUCTURAL ENGINEER NO. 081-6064



Expires 11-30-2024

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elev. (ft.) S. Abut.	N. Abut.	Item
Q100	394.8	394.9	113
Q200	394.8	394.9	8
Design	394.8	394.9	
Check	394.8	394.9	

GENERAL NOTES

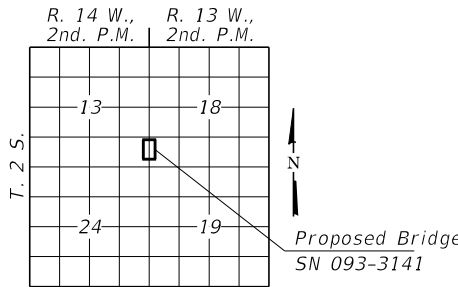
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.
All bars to be epoxy coated.
Excavation required to construct the Abutments 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.

INDEX OF STRUCTURE SHEETS

- General Plan & Elevation
- General Details
- 27"x48" PPC Deck Beam
- 27"x48" PPC Deck Beam Details
- Superstructure Details
- Steel Railing, Type S-1
- South Abutment
- North Abutment
- HP Pile Details
- Borings

BUILT 202_ BY
WABASH COUNTY
SEC. 20-05124-00-BR
ROAD DISTRICT NO. 5
STR. NO. 093-3141
LOADING HL-93

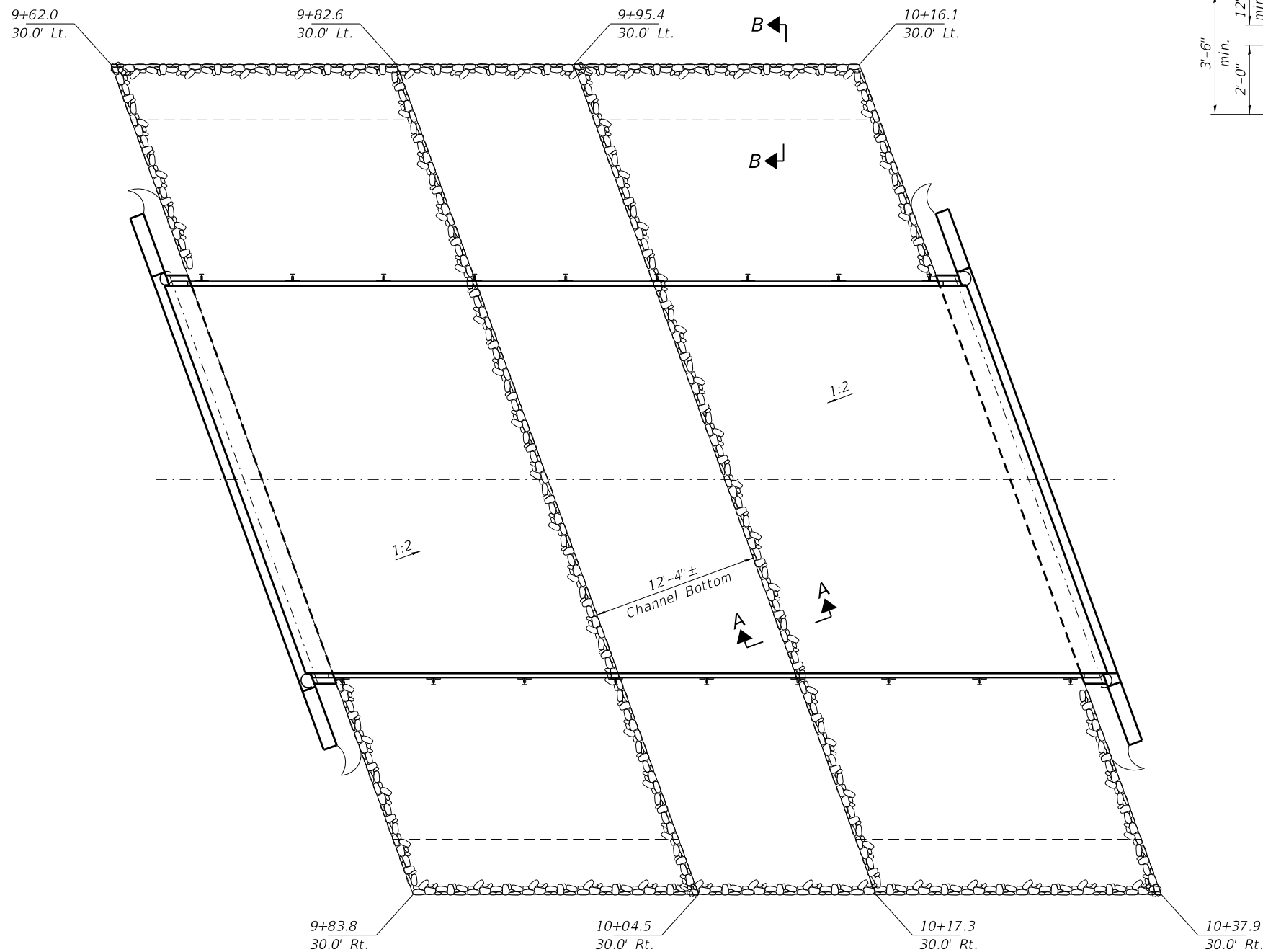
NAME PLATE
See Std. 515001



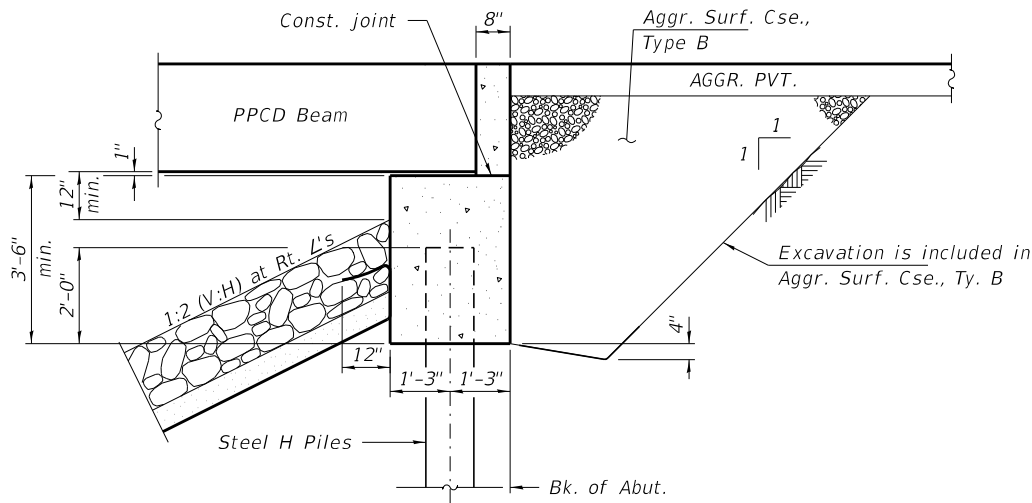
LOCATION SKETCH

GENERAL PLAN & ELEVATION
F.A.S. 1810 / 400E
OVER TRIBUTARY TO BONPAS CREEK
SECTION 20-05124-00-BR
WABASH COUNTY
STRUCTURE NO. 093-3141

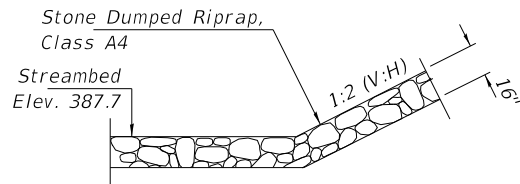
FILE NAME = 220151-shi-bridge.dgn	USER NAME = rmosick	DESIGNED - J.R.B.	REVISED -	STATE OF ILLINOIS WABASH COUNTY HIGHWAY DEPARTMENT	GENERAL PLAN & ELEVATION STRUCTURE NO. 093-3141	SHEET NO. 1 OF 11 SHEETS	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -				1810	20-05124-00-BR	WABASH	23	5
	PLOT SCALE =	DRAWN - D.M.F.	REVISED -				ROAD DISTRICT NO. 5			CONTRACT NO. 95966	
	PLOT DATE = 5/13/2024	CHECKED - S.W.M.	REVISED -				C-97-098-23		ILLINOIS	FED. AID PROJECT QH39(061)	



RIPRAP LAYOUT

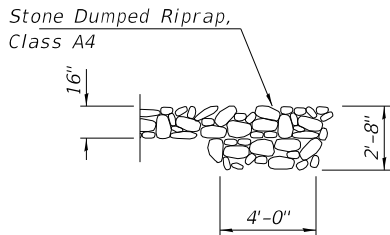


SECTION THRU ABUTMENT
(Horiz. dim. at Rt. L's)



SECTION A-A

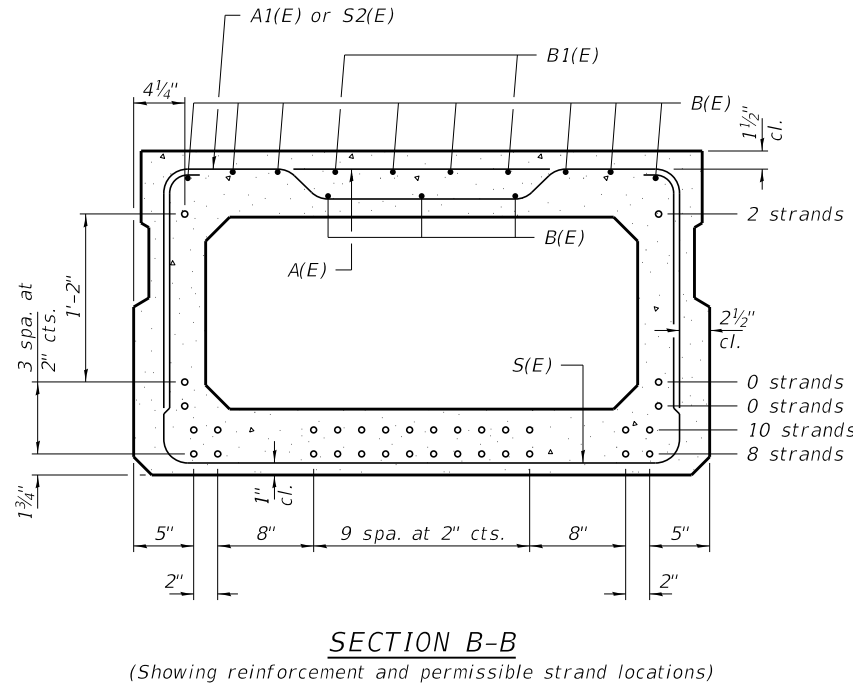
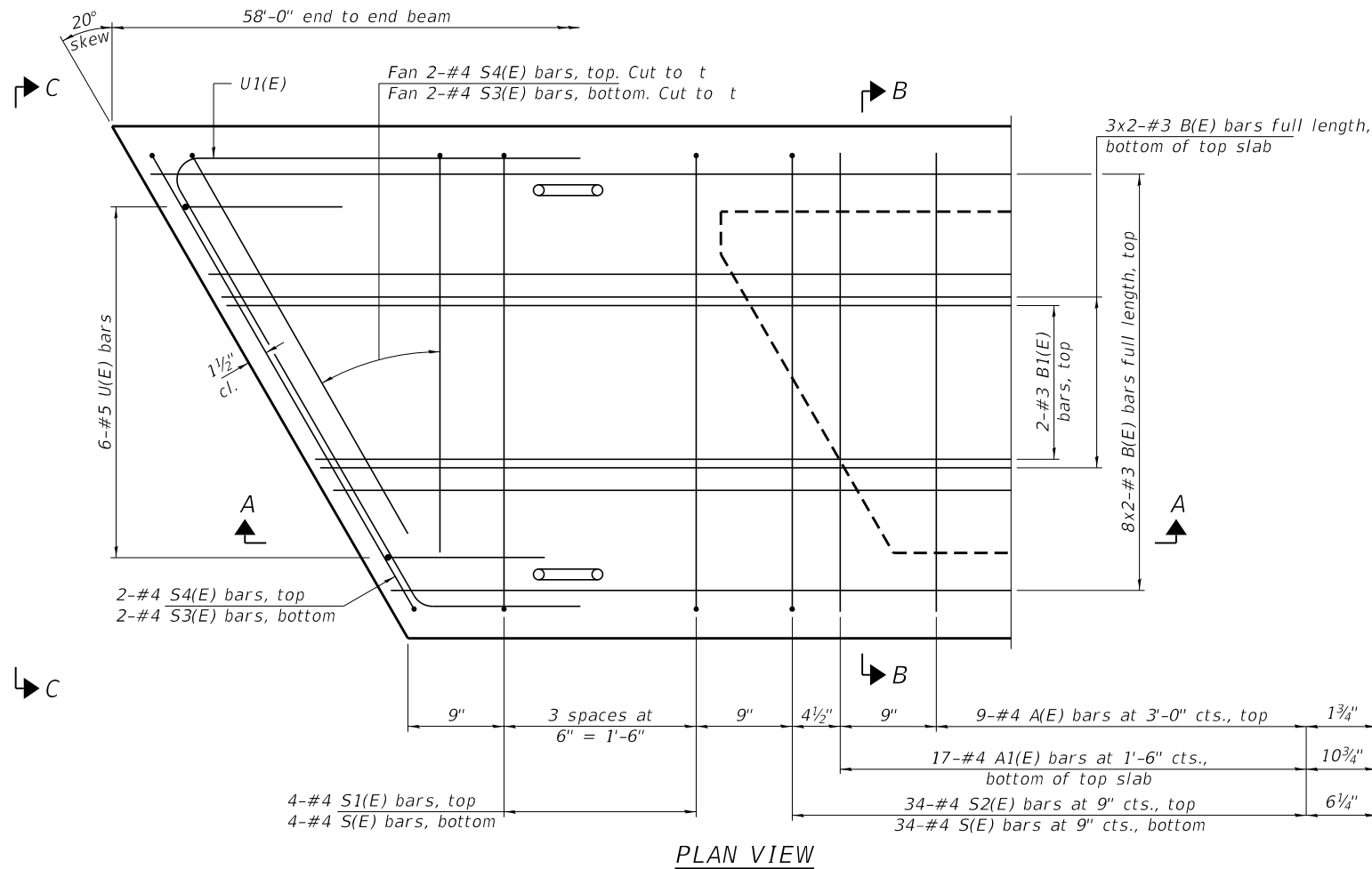
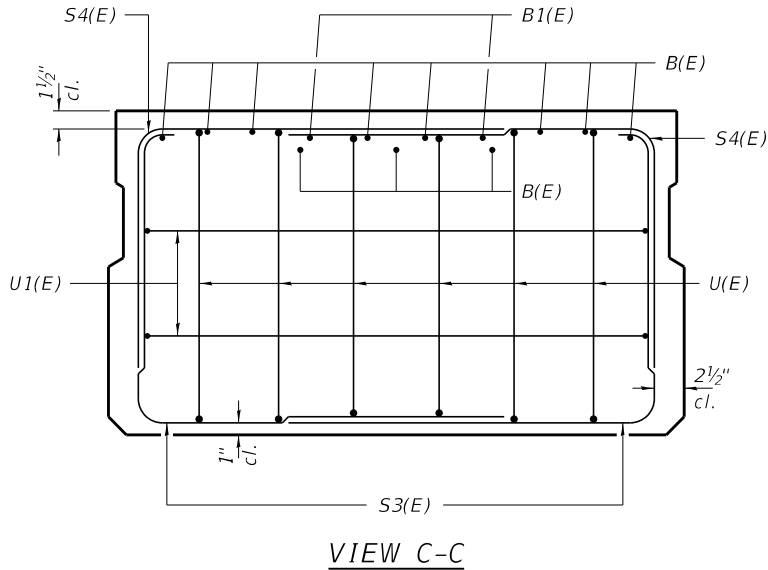
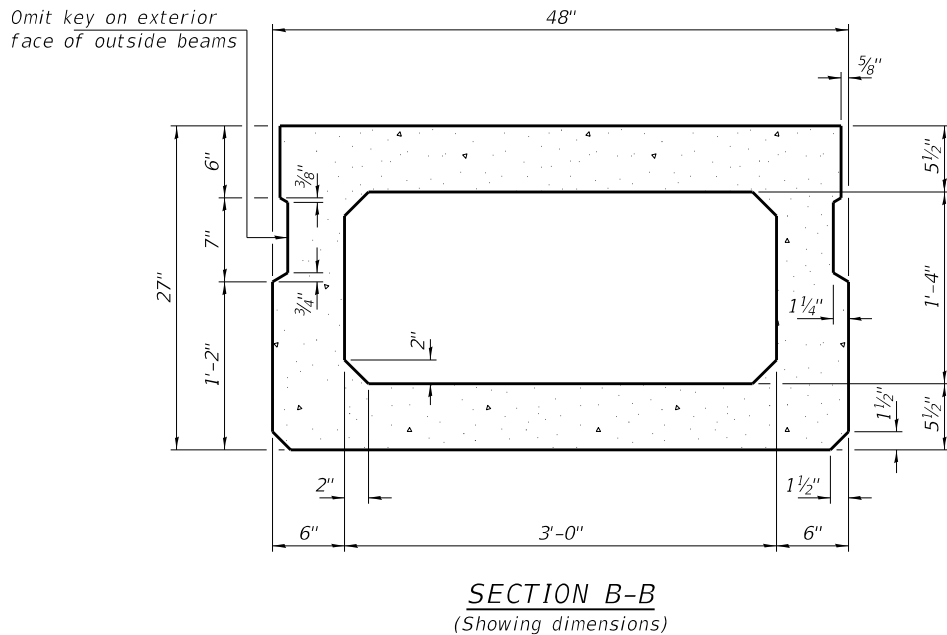
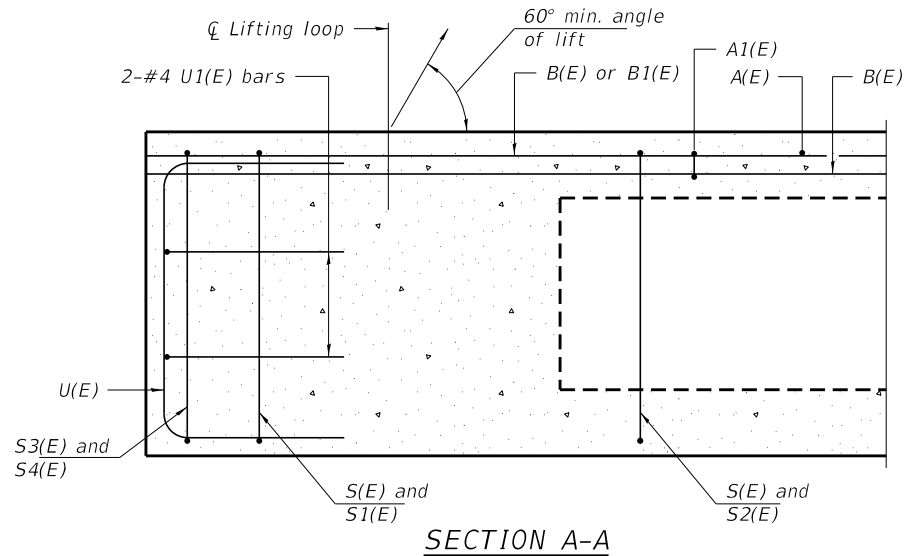
Note: See Special Provisions for
Stone Dumped Riprap, Class A4.



SECTION B-B

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			90
Stone Dumped Riprap, Class A4	Ton			350
Aggregate Surface Course, Type B	Ton		140	140
Removal of Existing Structures	Each			1
Concrete Structures	Cu. Yd.		28.6	28.6
Concrete Encasement	Cu. Yd.		3.4	3.4
Precast Prestressed Conc. Deck Beams (27" Depth)	Sq. Ft.	1,624		1,624
Reinforcement Bars, Epoxy Coated	Pound		3,420	3,420
Steel Railing, Type S-1	Foot			114
Furnishing Steel Piles HP10x42	Foot		400	400
Driving Piles	Foot		400	400
Name Plates	Each		1	1
Terminal Marker - Direct Applied	Each	4		4



BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	18	#4	3'-7"	—
A1(E)	35	#4	3'-10"	—
B(E)	22	#3	29'-8"	—
B1(E)	4	#3	10'-0"	—
S(E)	77	#4	8'-5"	┌
S1(E)	8	#4	6'-11"	┌
S2(E)	69	#4	7'-2"	┌
S3(E)	8	#4	5'-5"	┌
S4(E)	8	#4	4'-7"	┌
U(E)	12	#5	4'-6"	┌
U1(E)	4	#4	7'-6"	┌

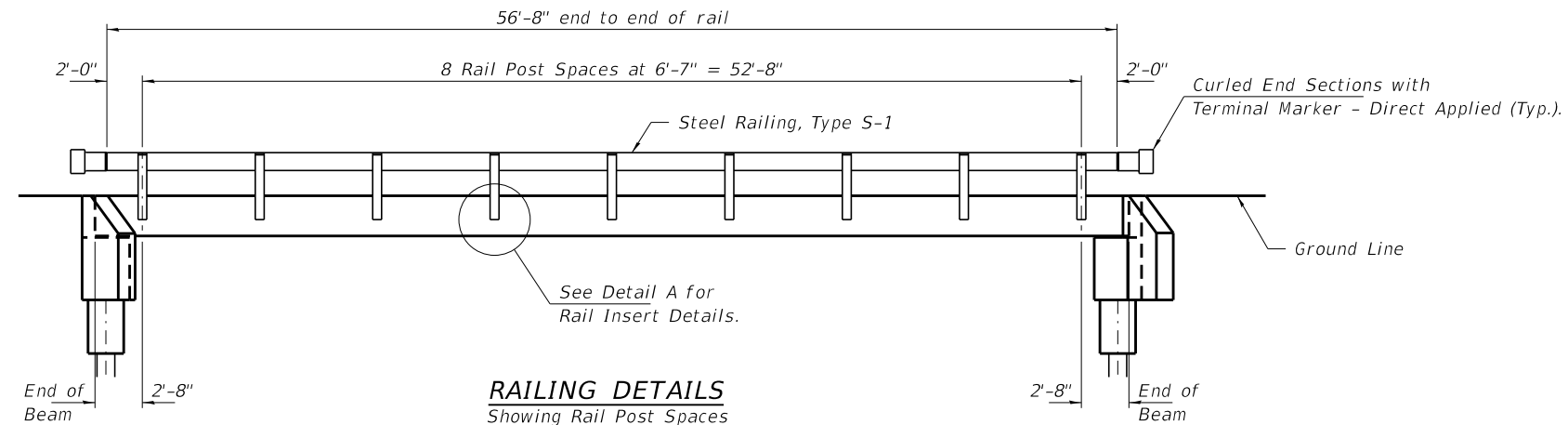
Note:
See sheet 4 & 5 of 11 for additional details and Bill of Material.

PD-2748-R

5-15-2023

FILE NAME = 220151-shi-bridge.dgn	USER NAME = dfoley	DESIGNED - J.R.B.	REVISED -	STATE OF ILLINOIS WABASH COUNTY HIGHWAY DEPARTMENT	27" x 48" PPC DECK BEAM STRUCTURE NO. 093-3141	SHEET NO. 3 OF 11 SHEETS	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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 -				1810	20-05124-00-BR	WABASH	23	7
	PLOT DATE = 5/3/2024	DRAWN - D.M.F.	REVISED -				ROAD DISTRICT NO. 5		CONTRACT NO. 95966		
		CHECKED - S.W.M.	REVISED -				C-97-098-23	ILLINOIS	FED. AID PROJECT QH39(061)		

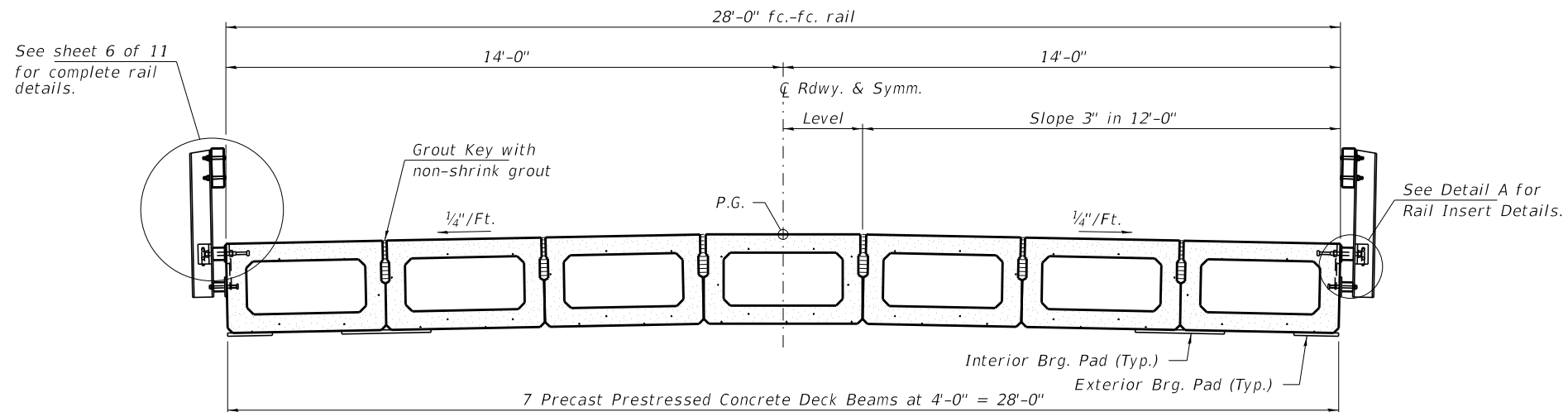
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1810	20-05124-00-BR	WABASH	23	8
ROAD DISTRICT NO. 5		CONTRACT NO. 95966		
C-97-098-23	ILLINOIS	FED. AID PROJECT QH39(061)		



RAILING DETAILS

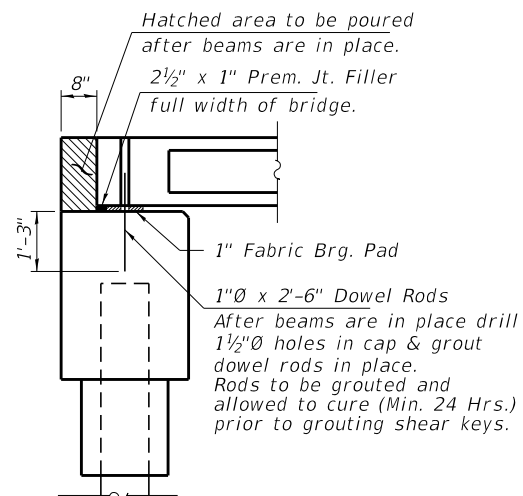
Showing Rail Post Spaces

See sheet 6 of 11 for Railing Details.



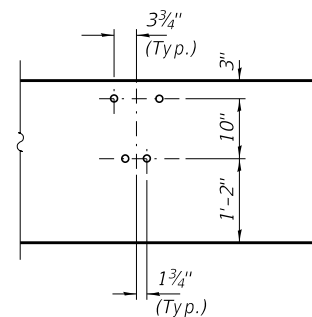
CROSS SECTION

See sheets 3 & 4 of 11 for Superstructure.



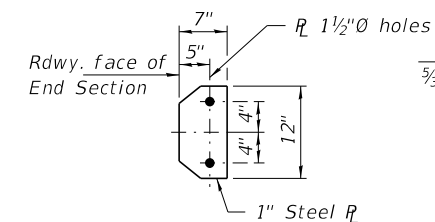
SECTION AT ABUTMENTS

at Rt. L's

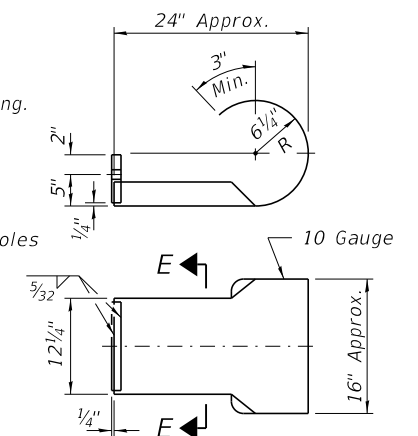


DETAIL A

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

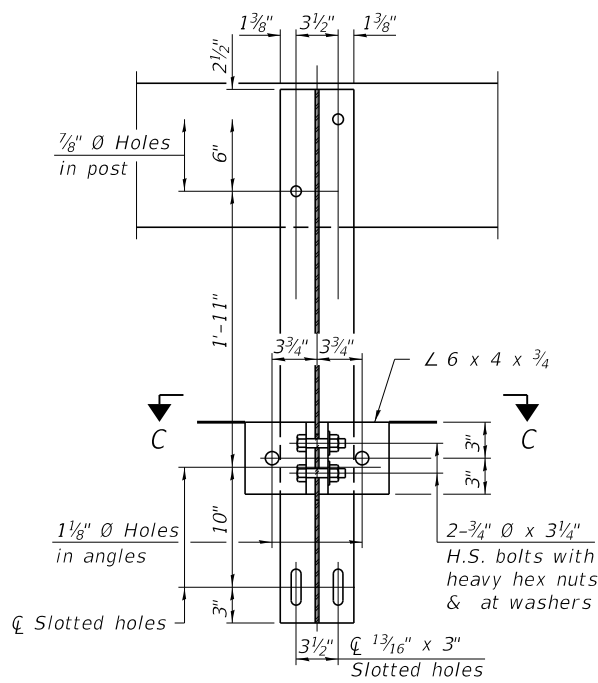


SECTION E-E

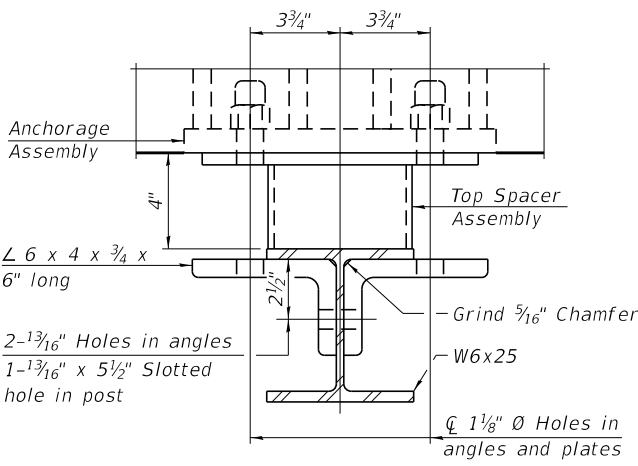


CURLED END SECTION DETAILS

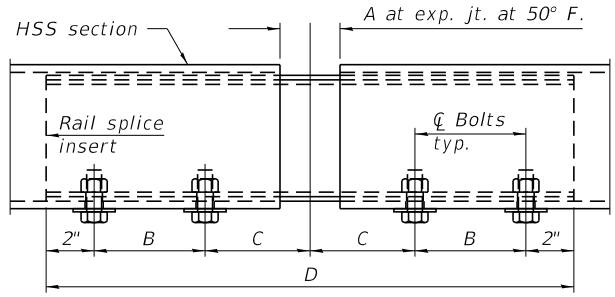
FILE NAME = 220151-shi-bridge.dgn		USER NAME = dfoley	DESIGNED - J.R.B.	REVISED -	STATE OF ILLINOIS WABASH COUNTY HIGHWAY DEPARTMENT	SUPERSTRUCTURE DETAILS STRUCTURE NO. 093-3141	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC.			CHECKED - S.W.M.	REVISED -			1810	20-05124-00-BR	WABASH	23	9	
3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000959		PLOT SCALE =	DRAWN - D.M.F.	REVISED -			ROAD DISTRICT NO. 5		CONTRACT NO. 95966			
PLR		PLOT DATE = 5/3/2024	CHECKED - S.W.M.	REVISED -			SHEET NO. 5 OF 11 SHEETS					
							C-97-098-23		ILLINOIS FED. AID PROJECT QH39(061)			



SECTION B-B



SECTION C-C



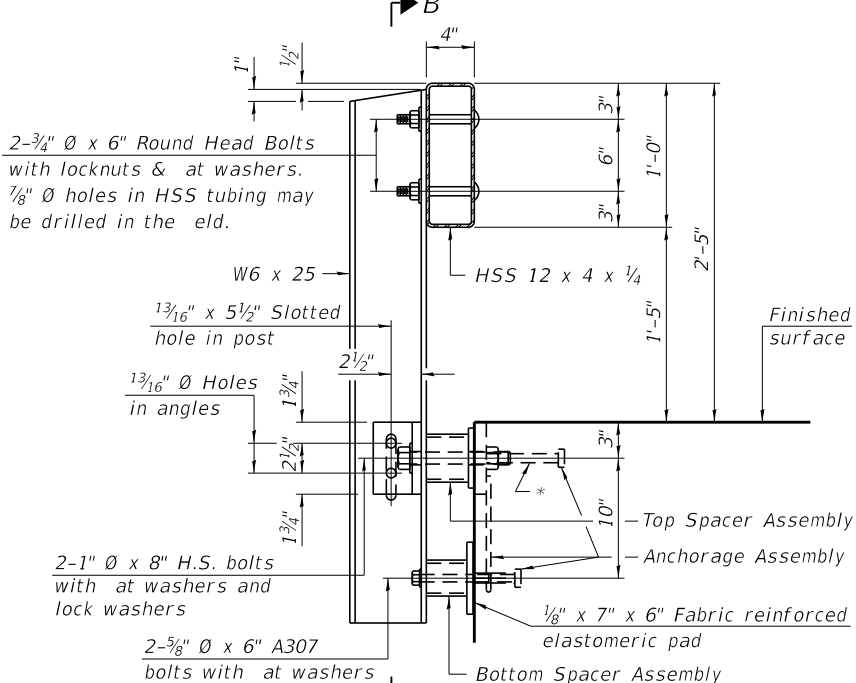
RAIL SPLICE ELEVATION

RAILING CRITERIA

NCHRP 350 Test Level	2
Railing Weight (plf)	50
Max Post Spacing	10'-9"
HMA thickness range (in)	1 1/4" - 3 1/8"

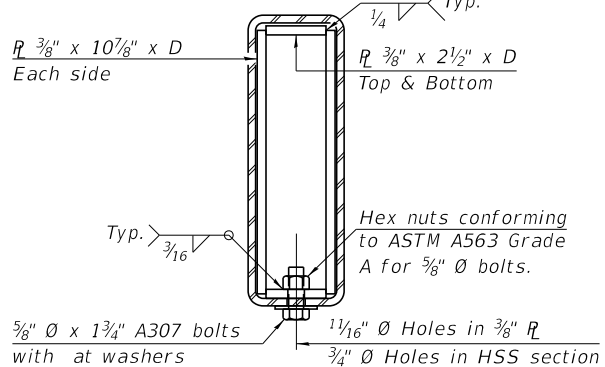
R-23A

10-12-2021

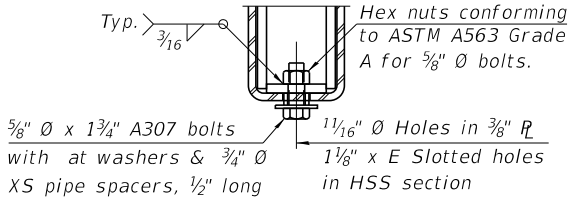


SECTION AT RAILING POST

* The outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchorage assembly. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.



SECTION AT RAIL SPLICE

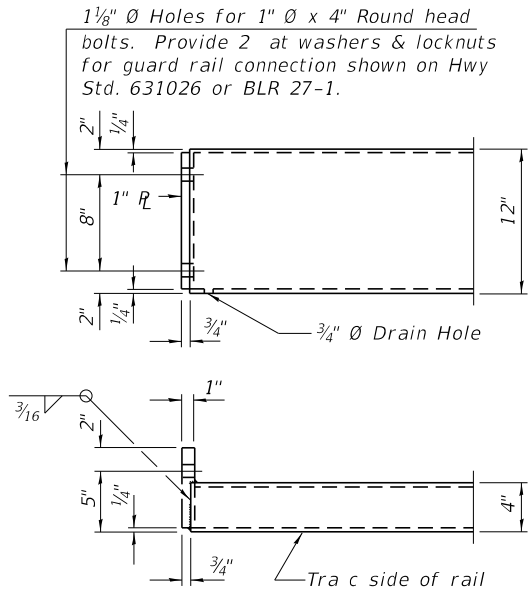


RAIL SPLICE CONNECTION AT EXPANSION JT.

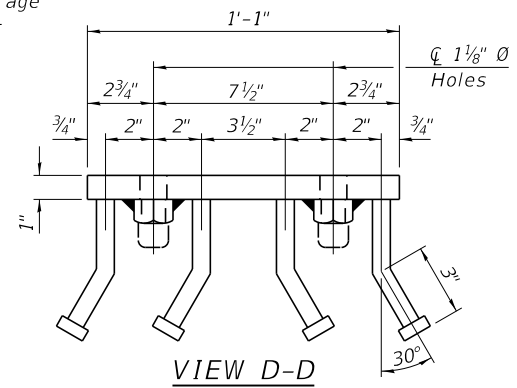
SPLICE DIMENSIONS

Location	T	A	B	C	D	E
All locs. not over exp. jts.	0	1/4"	4"	4"	1'-8"	-
Over Strip Seal Jt.	≤4"	2 1/2"	4 5/8"	4 3/8"	1'-10"	3 1/16"
Over Finger or Modular Jt.	≤9 1/2"	5 1/2"	7 3/8"	7 1/4"	2'-9 1/4"	5 13/16"
Over Finger or Modular Jt.	≤15"	8 1/4"	10 1/8"	10"	3'-8 1/4"	8 9/16"

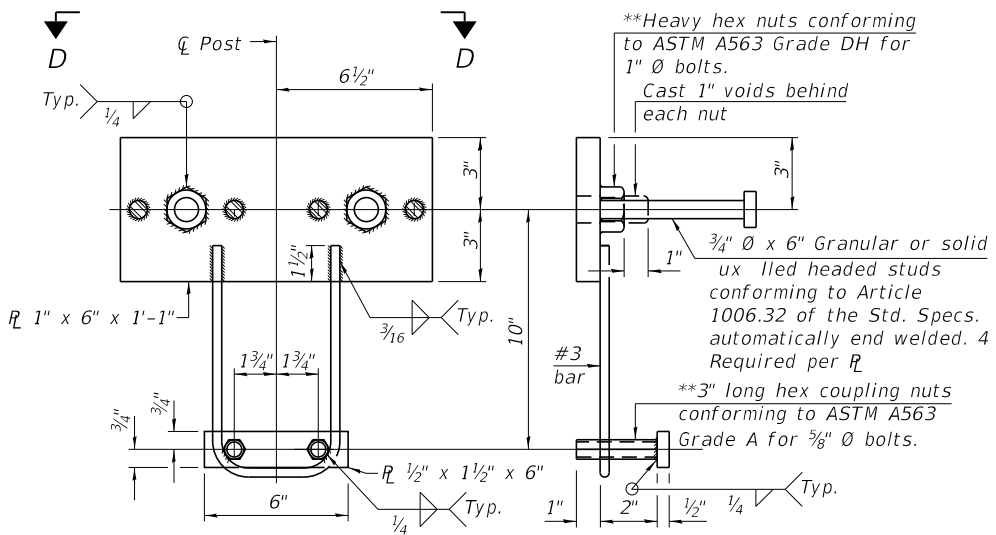
T = ; total movement along centerline of roadway at expansion joint.



END OF RAIL DETAILS

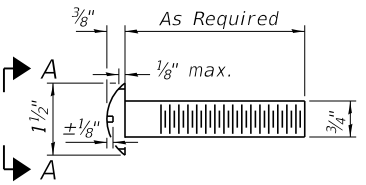


VIEW D-D

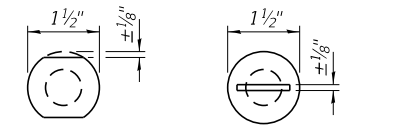


ANCHORAGE ASSEMBLY

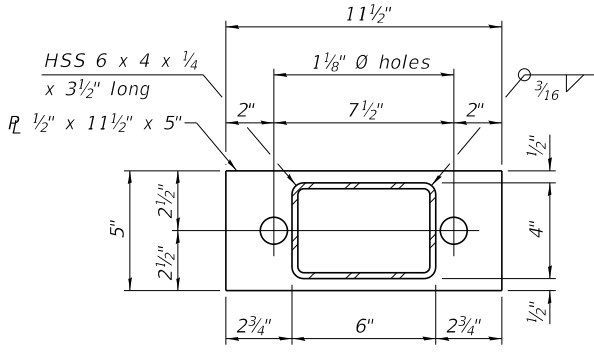
** Threaded areas shall be plugged or blocked off during casting of concrete.



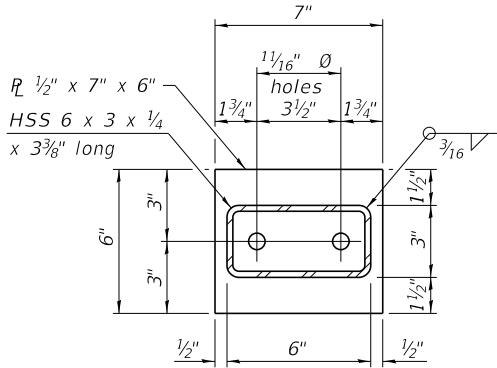
ROUND HEAD BOLT DETAIL



VIEW A-A



TOP SPACER ASSEMBLY



BOTTOM SPACER ASSEMBLY

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	114

Notes:

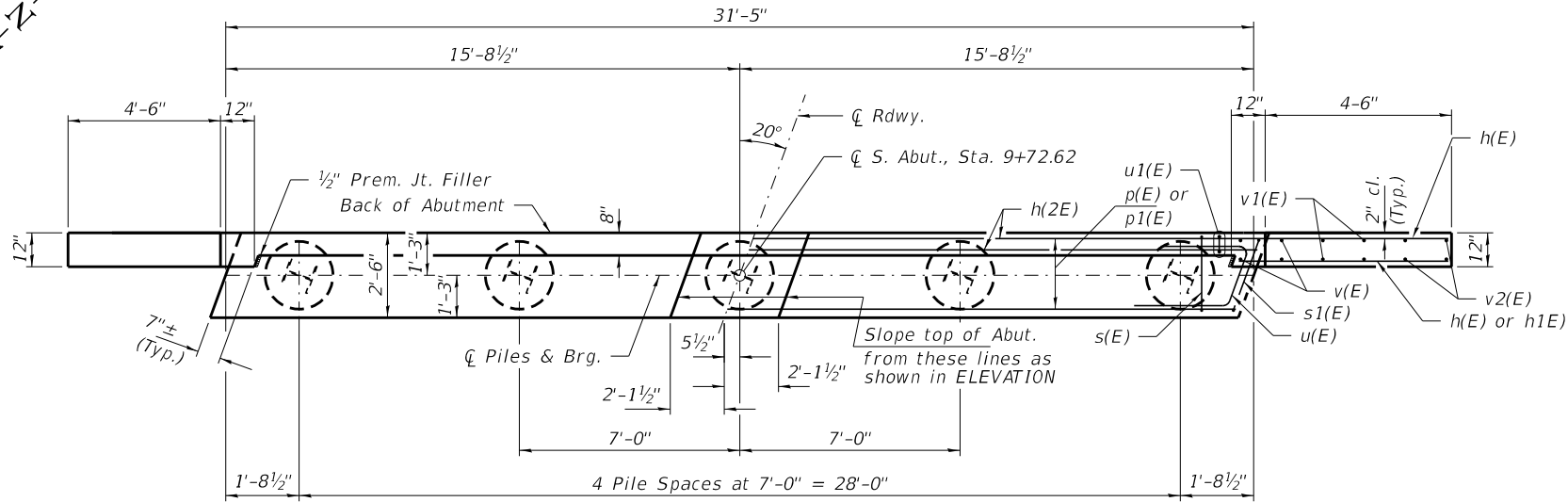
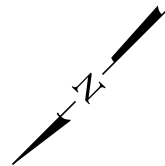
A sufficient number of shims of various thicknesses, sized to fit behind the top spacer assembly, 5" x 11 1/2", and bottom spacer assembly, 6" x 7", shall be provided to adjust posts for proper alignment. If the summation of shims is greater than 1/4" (top) or 1/2" (bottom), longer bolts are required. Cost included with Steel Railing, Type S-1.

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

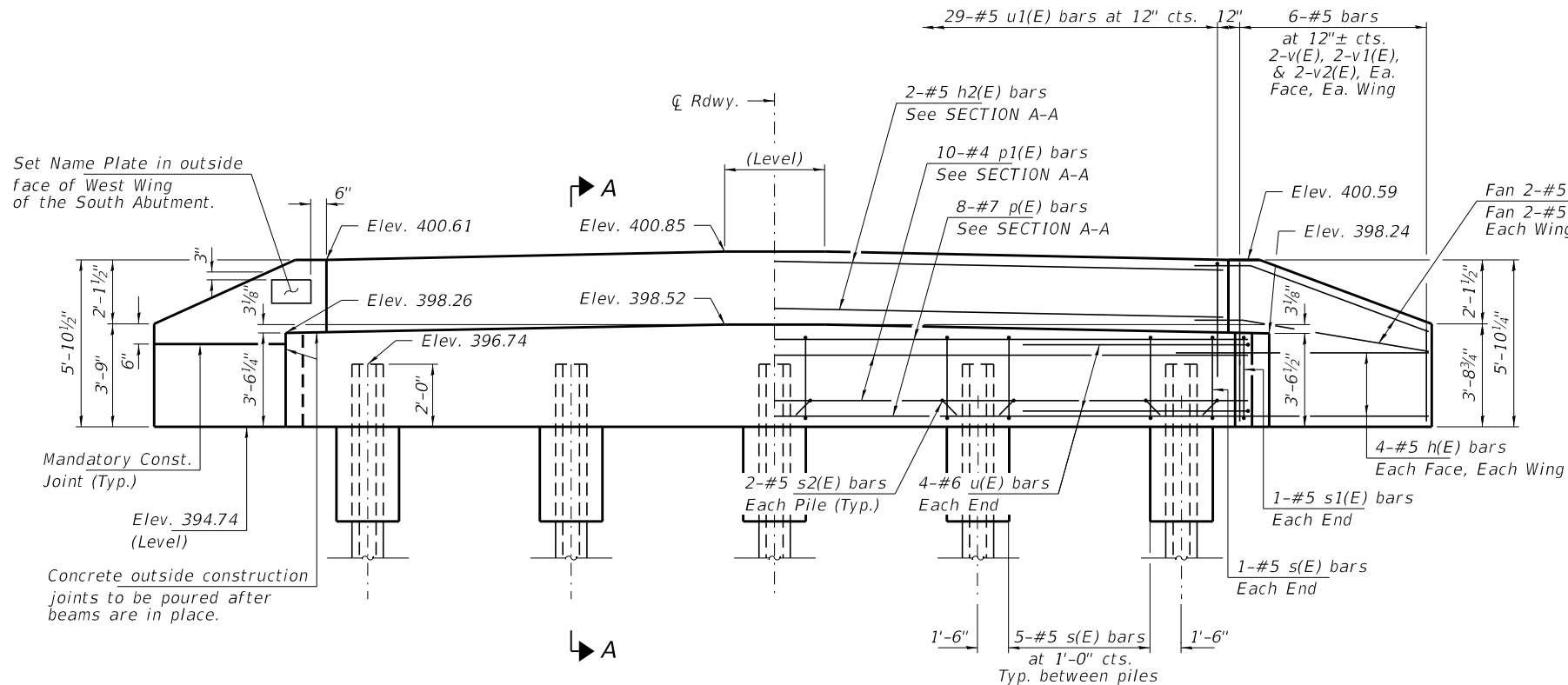
All HSS tubing serving as railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

Rail splice inserts may be built out of 2 - 3/8" bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched.

All round head bolts shall be ASTM A307 with locknuts according to ASTM A563 grade A.



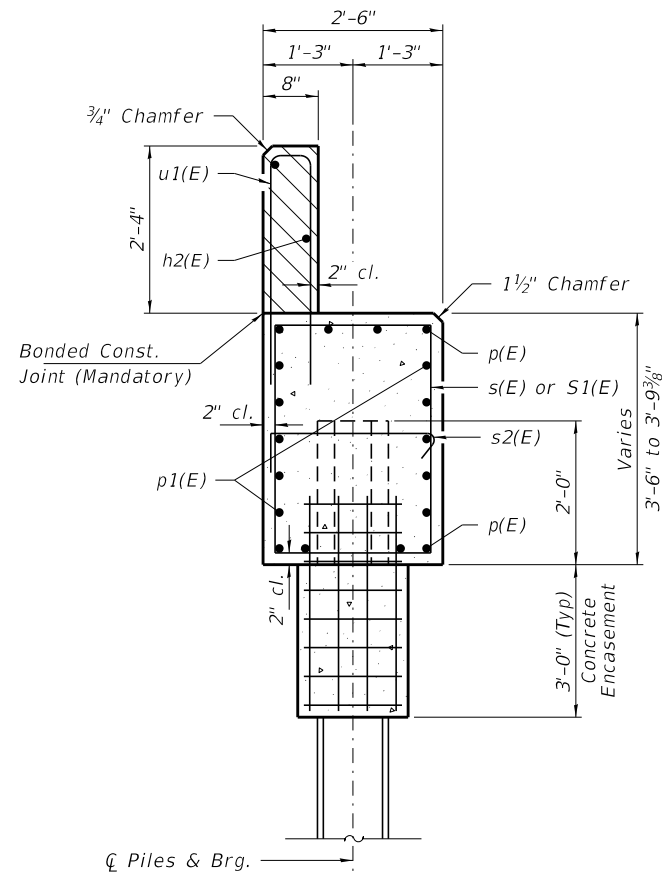
PLAN



ELEVATION
(Looking South)

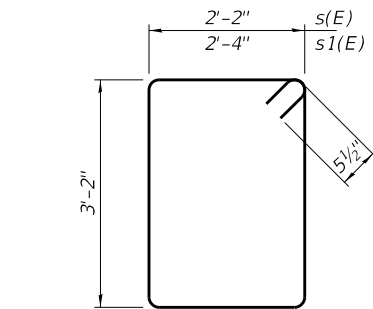
PILE DATA

Type: Steel HP10x42
Nominal Required Bearing: 335 Kips/Pile
Factored Resistance Available: 184 Kips/Pile
Est. Length: 40 Ft/Pile
No. Production Piles: 5
No. Test Piles: 0

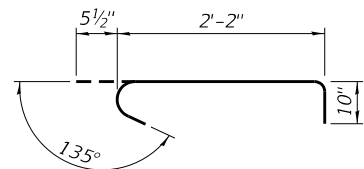


SECTION A-A

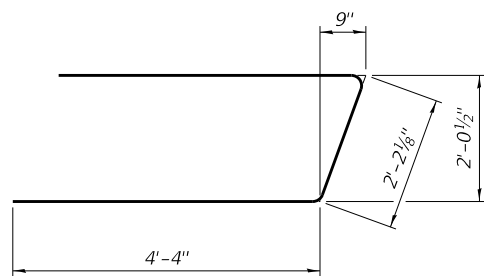
Hatched area to be poured after beams are in place.
Cast top of wingwall flush with exterior beam face after beams have been erected.



BARS s(E) & S1(E)



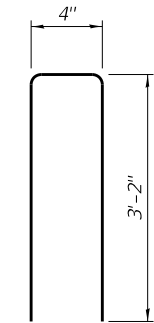
BAR s2(E)



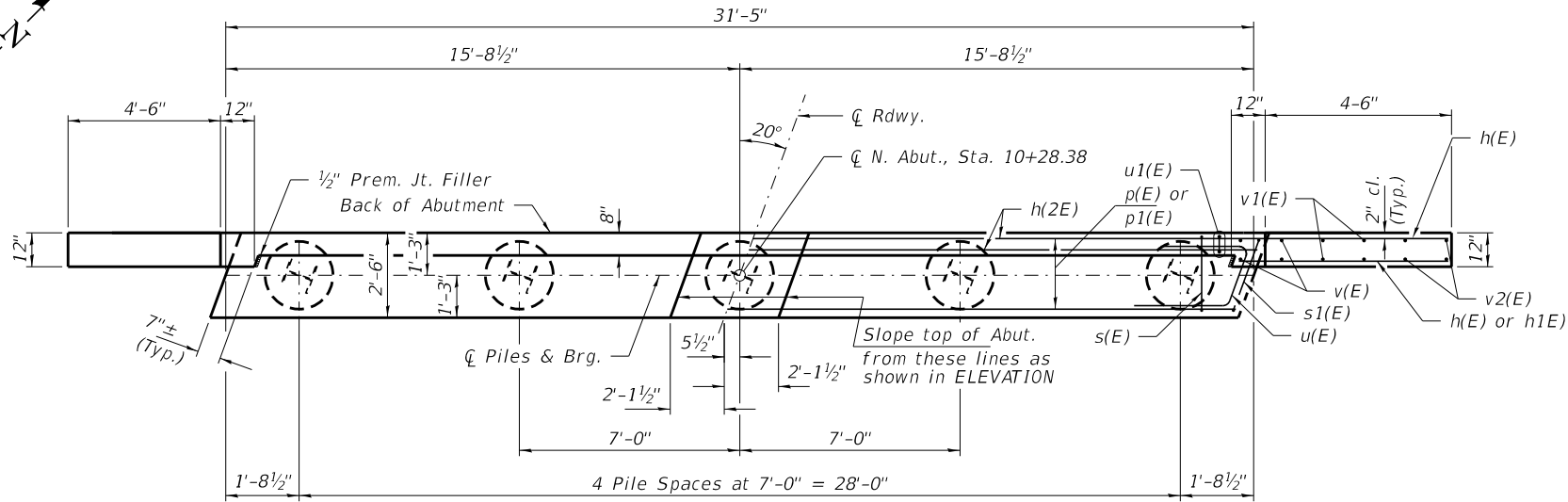
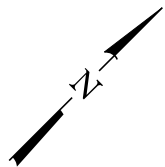
BAR u(E)

BILL OF MATERIAL - S. ABUT.

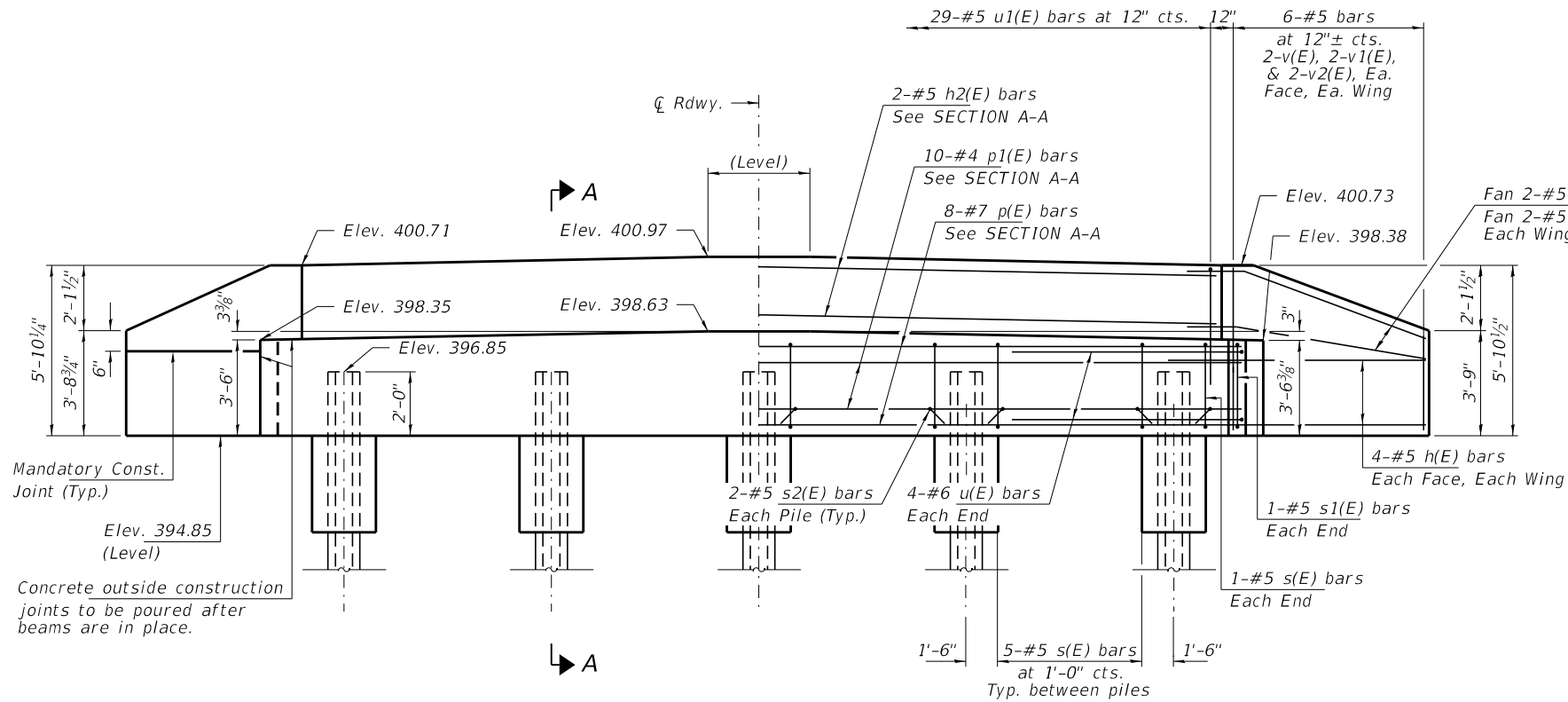
BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	20	#5	6'-9"	
h1(E)	4	#5	5'-3"	
h2(E)	2	#5	31'-1"	
p(E)	8	#7	31'-1"	
p1(E)	10	#4	31'-1"	
s(E)	22	#5	11'-7"	
s1(E)	2	#5	11'-11"	
s2(E)	10	#5	3'-6"	
u(E)	8	#6	10'-10"	
u1(E)	29	#5	6'-8"	
v(E)	8	#5	5'-5"	
v1(E)	8	#5	4'-5"	
v2(E)	8	#5	3'-5"	
Concrete Structures			Cu. Yd.	14.3
Concrete Encasement			Cu. Yd.	1.7
Reinf. Bars, Epoxy Coated			Pound	1,710
Furnishing Steel Piles HP10x42			Foot	200
Name Plates			Each	1



BAR u1(E)



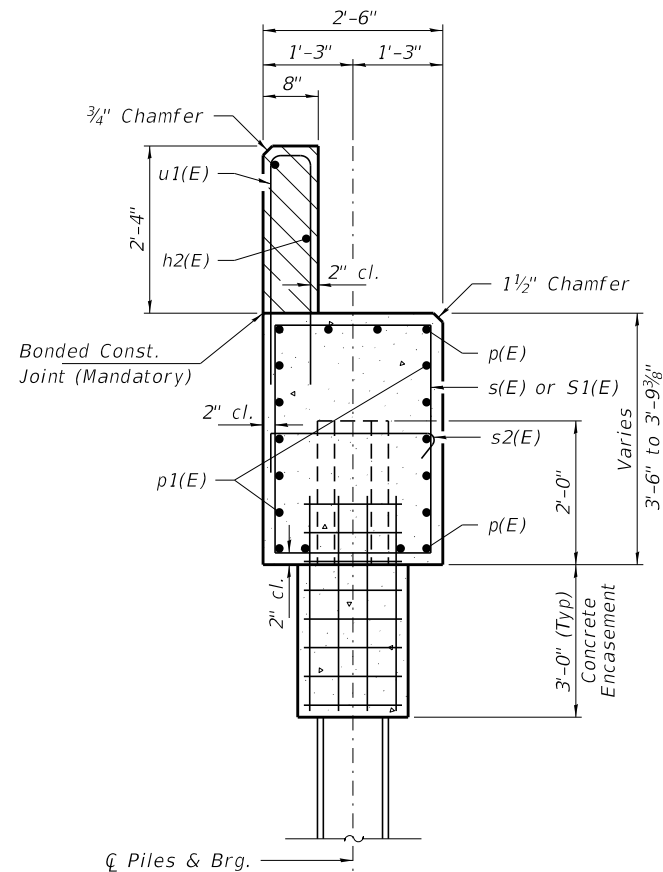
PLAN



ELEVATION
(Looking North)

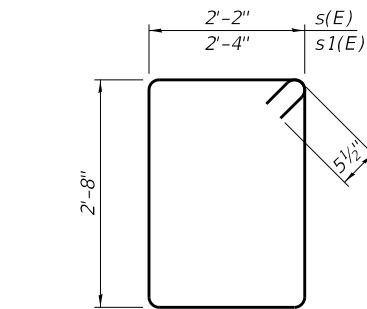
PILE DATA

Type: Steel HP10x42
Nominal Required Bearing: 335 Kips/Pile
Factored Resistance Available: 184 Kips/Pile
Est. Length: 40 Ft/Pile
No. Production Piles: 5
No. Test Piles: 0

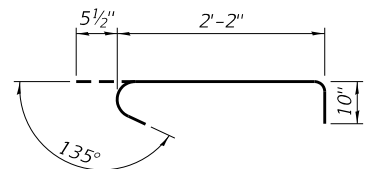


SECTION A-A

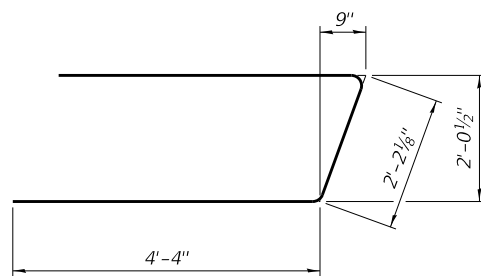
Hatched area to be poured after beams are in place.
Cast top of wingwall flush with exterior beam face after beams have been erected.



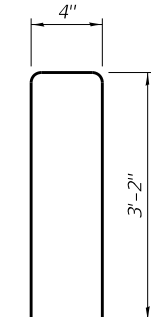
BARS s(E) & S1(E)



BAR s2(E)



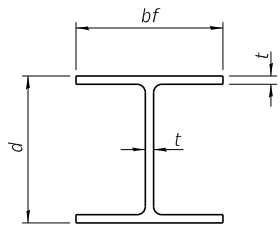
BAR u(E)



BAR u1(E)

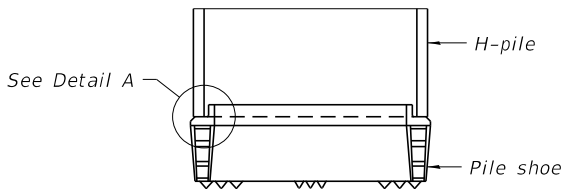
BILL OF MATERIAL - N. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	20	#5	6'-9"	
h1(E)	4	#5	5'-3"	
h2(E)	2	#5	31'-1"	
p(E)	8	#7	31'-1"	
p1(E)	10	#4	31'-1"	
s(E)	22	#5	11'-7"	
s1(E)	2	#5	11'-11"	
s2(E)	10	#5	3'-6"	
u(E)	8	#6	10'-10"	
u1(E)	29	#5	6'-8"	
v(E)	8	#5	5'-5"	
v1(E)	8	#5	4'-5"	
v2(E)	8	#5	3'-5"	
Concrete Structures			Cu. Yd.	14.3
Concrete Encasement			Cu. Yd.	1.7
Reinf. Bars, Epoxy Coated			Pound	1,710
Furnishing Steel Piles HP10x42			Foot	200

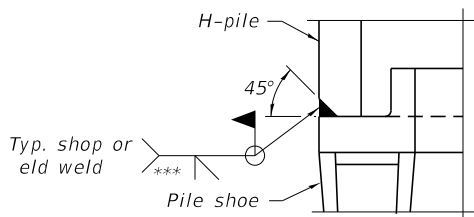


STEEL PILE TABLE

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 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



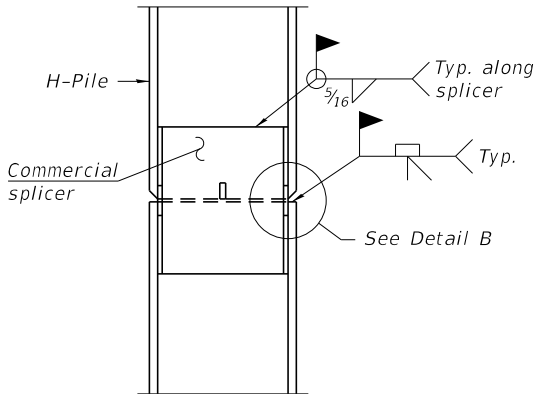
ELEVATION



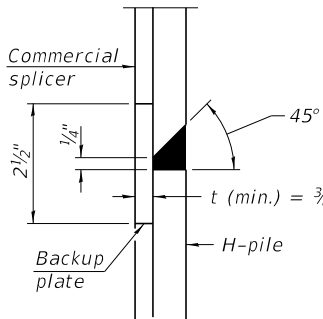
DETAIL A

SHOE ATTACHMENT

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

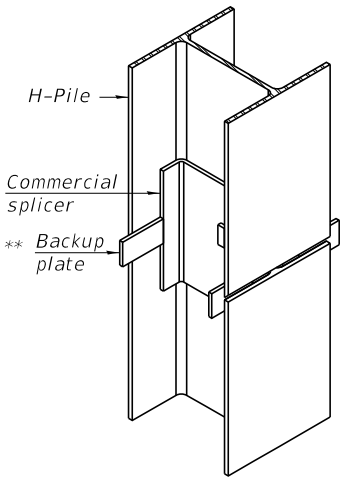


ELEVATION

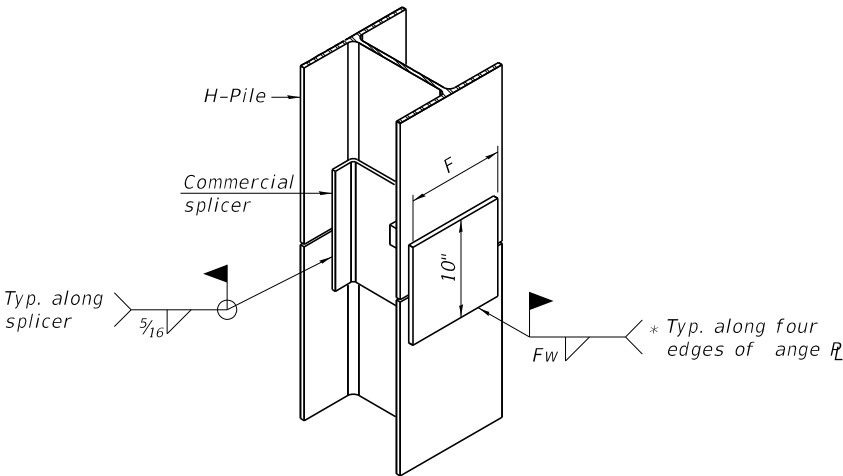


DETAIL "B"

WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW



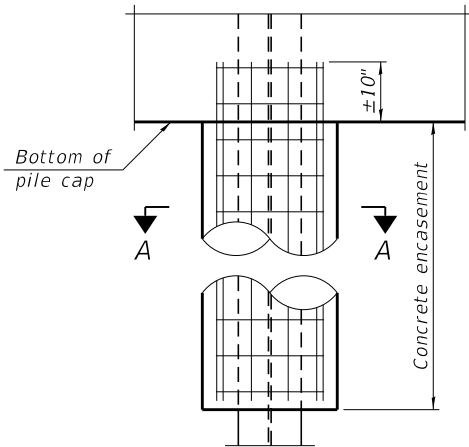
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

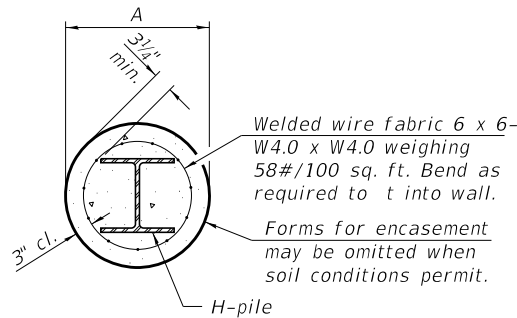
* Interrupt welds 1/4" from end of web and/or each angle.

** Remove portions of backup plates that extend outside the angles.

*** Weld size per pile shoe manufacturer (5/16" min.).

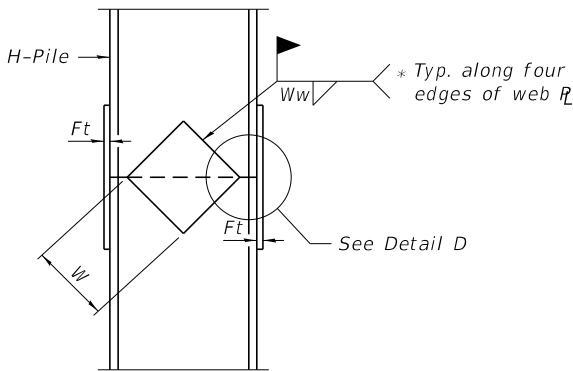


ELEVATION

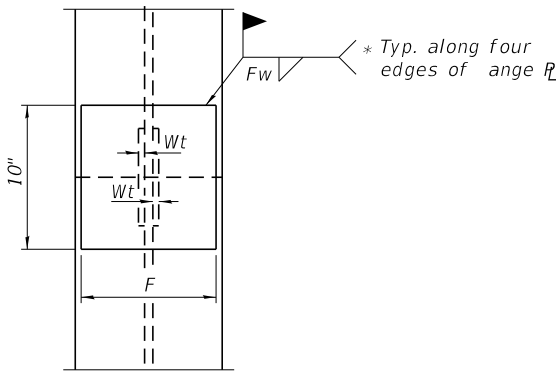


SECTION A-A

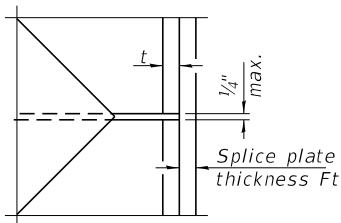
INDIVIDUAL PILE
CONCRETE ENCASUREMENT
(when specified)



ELEVATION



END VIEW



DETAIL D

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"

WELDED PLATE FIELD SPLICE

F-HP

10-27-2023

FILE NAME = 220151-shi-bridge.dgn	USER NAME = dfoley	DESIGNED - J.R.B.	REVISED -	STATE OF ILLINOIS WABASH COUNTY HIGHWAY DEPARTMENT	HP PILE DETAILS STRUCTURE NO. 093-3141	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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 -			1810	20-05124-00-BR	WABASH	23	13
	PLOT DATE = 5/3/2024	DRAWN - D.M.F.	REVISED -			ROAD DISTRICT NO. 5		CONTRACT NO. 95966		
		CHECKED - S.W.M.	REVISED -			SHEET NO. 9 OF 11 SHEETS		C-97-098-23	ILLINOIS	FED. AID PROJECT QH39(061)

NOBLE							BORING No. B-1		water level reading		
ENGINEERING CONSULTANTS				County: Wabash, IL			Sheet No. 1 of 2		1st encounter: 13'		
Client: HLR				Weather: Sunny			Temperature: 80's		water level reading		
Driller: Noble Engineering Consultants				Date Started: 5-17-22			Surface Elevation: ~99** 400.0		At completion		Dry cave
Location: Sec. #20-05124-00-BR				Date Finished: 5-17-22			Driller: Tony Schocker		Backfill: Soil		Cuttings
Depth:	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	Moisture %	USC Class.	Elev.**	
1										399.0	98
2	SS-1	1.0'-2.5'	9	5-3-6	70	0.9	0.0'-6.2' Silt, Clay, Sand, Etc. FILL			398.0	97
3											96
4	SS-2	3.5'-5.0'	15	11-9-6	30	-					95
5											94
6	SS-3	6.0'-7.5'	5	2-2-3	100	0.9		15.8	CL	394.0	93
7											92
8											91
9	SS-4	8.5'-10.0'	13	2-3-10	100	1.9	6.2'-13.0' SILTY CLAY, trace to some sand, trace gravel, medium stiff to stiff, brown	16.2	CL	391.0	90
10											89
11											88
12											87
13											86
14	SS-5	13.5'-15.0'	10	3-4-6	100	-		21.1	SM	386.0	85
15											84
16											83
17											82
18											81
19	SS-6	18.5'-20.0'	12	3-5-7	100	-	13.0'-23.0' SILTY FINE TO MEDIUM SAND, trace to some gravel, medium dense, saturated, gray	26.9	SM	381.0	80
20											79
21											78
22											77
23											76
24	SS-7	23.5'-25.0'	12	4-6-6	100	2.8	23.0'-33.0' CLAY, trace to some sand, trace gravel, very stiff, gray	22.7	CH	376.0	75
25											74
26											73
27											72
28											71
29											70
30	SS-8	28.5'-30.0'	12	5-6-6	100	2.6		24.4	CH	370.0	69
Drilling Method:HSA (2-1/4" id)				comments			* Qp test is an estimate of the unconfined compressive strength performed				
Depth: 0' to 42.9'							by a compact calibrated spring loaded cylinder				
Drill Rig: Mobile B-47							**ground surface elevation is estimated based upon CL bridge at mid-span				
Sampling: split-spoon (SS)							being 100' 401.0				

NOBLE							BORING No. B-1		water level reading	
ENGINEERING CONSULTANTS				County: Wabash, IL			Sheet No. 2 of 2		1st encounter: 13'	
Client: HLR				Weather: Sunny			Temperature: 80's		water level reading	
Driller: Noble Engineering Consultants				Date Started: 5-17-22			Surface Elevation: ~99** 400.0		At completion Dry Cave	
Location:Sec. #20-05124-00-BR				Date Finished: 5-17-22			Driller: Tony Schocker		Backfill: Soil Cuttings	
Depth:	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	Moisture %	USC Class.	Elev.**
31										369.0 68
32										67
33										66
34	SS-9	33.5'-35.0'	46	14-17-29	70	-	23.0'-33.0' CLAY, trace to some sand, trace gravel, very stiff, gray			366.0 65
35										64
36										63
37										62
38										61
39	SS-10	38.5'-40.0'	100+	100/5"	100	-	33.0'-42.9' WEATHERED SHALE, Occ. sandstone seams			361.0 60
40										59
41										58
42							AR 42.9'			358.0 57
43										56
44										
45										
46										
47										
48										
49										
50										
51										
52										
53										
54										
55										
56										
57										
58										
59										
60										
Drilling Method: HSA(2-1/4" id)				comments * Qp test is an estimate of the unconfined compressive strength performed						
Depth: 0' to 42.9'				by a compact calibrated spring loaded cylinder						
Drill Rig: Mobile B-47				* ground surface elevation is estimated based upon CL bridge at mid-span						
Sampling: split-spoon (SS)				being 100' 401.0						

BORING 1

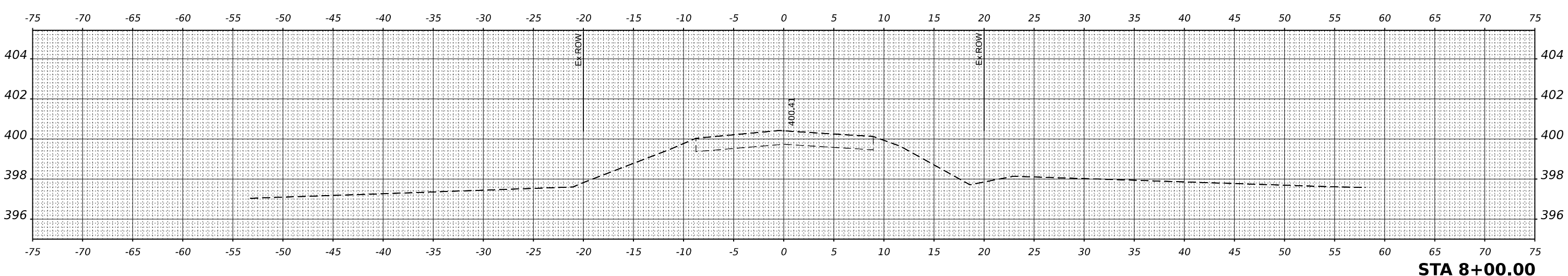
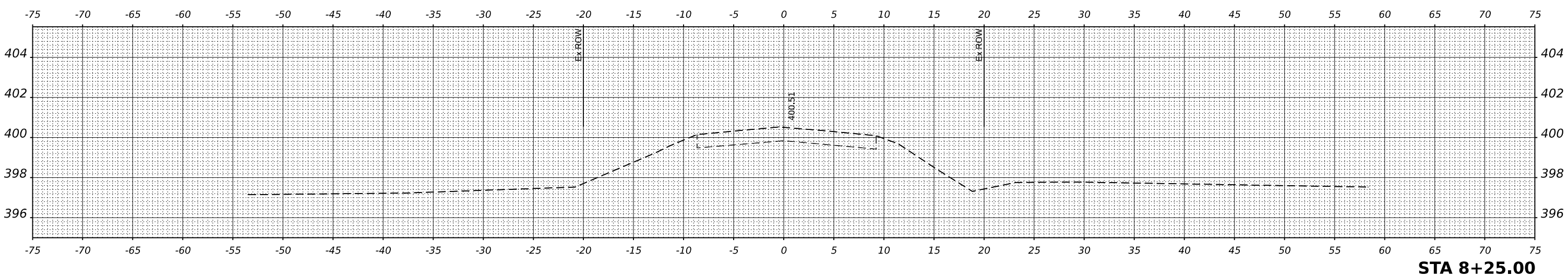
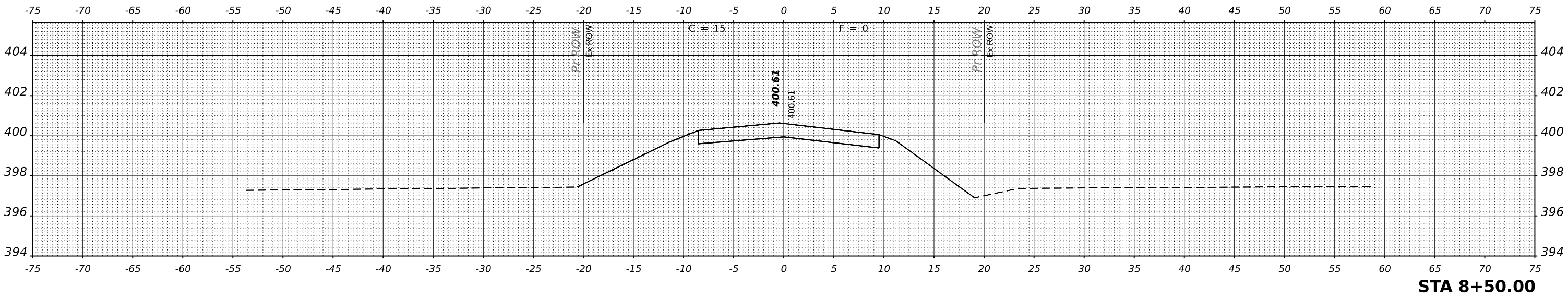
NOBLE							BORING No. B-2		water level reading		
ENGINEERING CONSULTANTS				County: Wabash, IL			Sheet No. 1 of 2		1st encounter: 14'		
Client: HLR				Weather: Sunny			Temperature: 80's		water level reading		
Driller: Noble Engineering Consultants				Date Started: 5-17-22			Surface Elevation: ~99** 400.0		At completion		Dry cave
Location: Sec. #20-05124-00-BR				Date Finished: 5-17-22			Driller: Tony Schocker		Backfill: Soil		Cuttings
Depth:	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	Moisture %	USC Class.	Elev.**	
1										399.0	98
2	SS-1	1.0'-2.5'	27	9-17-10	30	-	0.0'-6.1' Silt, Rock, Concrete, Clay, Sand, Etc. FILL			398.0	97
3											96
4	SS-2	3.5'-5.0'	16	19-5-11	40	-					95
5											94
6	SS-3	6.0'-7.5'	5	3-2-3	80	0.9		19.0	CL	394.0	93
7											92
8											91
9	SS-4	8.5'-10.0'	8	4-5-3	100	0.9	6.1'-14.2' SILTY CLAY, trace to some sand, trace gravel, medium stiff to stiff, brown	20.3	CL	391.0	90
10											89
11											88
12											87
13											86
14	SS-5	13.5'-15.0'	12	6-7-5	100	-		24.8	CL	386.0	85
15											84
16											83
17											82
18											81
19	SS-6	18.5'-20.0'	10	2-3-7	100	-	14.2'-25.5' SILTY FINE TO MEDIUM SAND, trace to some gravel, medium dense, saturated, gray	21.7	CL	381.0	80
20											79
21											78
22											77
23											76
24	SS-7	23.5'-25.0'	10	2-4-6	100	-		20.4	CL	376.0	75
25											74
26											73
27											72
28											71
29											70
30	SS-8	28.5'-30.0'	10	2-4-6	100	1.2	25.5'-31.0' CLAY, trace to some sand, occ. wet sand seam, trace gravel, stiff, gray	23.2	CH	370.0	69
Drilling Method:HSA (2-1/4" id)				comments			* Qp test is an estimate of the unconfined compressive strength performed				
Depth: 0' to 36.1'							by a compact calibrated spring loaded cylinder				
Drill Rig: Mobile B-47							**ground surface elevation is estimated based upon CL bridge at mid-span				
Sampling: split-spoon (SS)							being 100' 401.0				

NOBLE							BORING No. B-2		water level reading	
ENGINEERING CONSULTANTS				County: Wabash, IL			Sheet No. 2 of 2		1st encounter: 14'	
Client: HLR				Weather: Sunny			Temperature: 80's		water level reading	
Driller: Noble Engineering Consultants				Date Started: 5-17-22			Surface Elevation: ~99** 400.0		At completion Dry Cave	
Location:Sec. #20-05124-00-BR				Date Finished: 5-17-22			Driller: Tony Schocker		Backfill: Soil Cuttings	
Depth:	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	Moisture %	USC Class.	Elev.**
31										369.0 68
32							25.5'-31.0' CLAY, trace to some sand, occ. wet sand seam, trace gravel, stiff, gray			368.0 67
33										66
34	SS-9	33.5'-35.0'	100+	100/3"	100	-	31.0'-36.1' WEATHERED SHALE, Occ. sandstone seams			366.0 65
35							AR 36.1'			365.0 64
36										
37										
38										
39										
40										
41										
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60										
Drilling Method: HSA(2-1/4" id)				comments * Qp test is an estimate of the unconfined compressive strength performed						
Depth: 0' to 36.1'				by a compact calibrated spring loaded cylinder						
Drill Rig: Mobile B-47				* ground surface elevation is estimated based upon CL bridge at mid-span						
Sampling: split-spoon (SS)				being 100' 401.0						

BORING 2

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

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

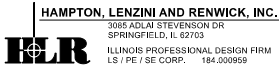
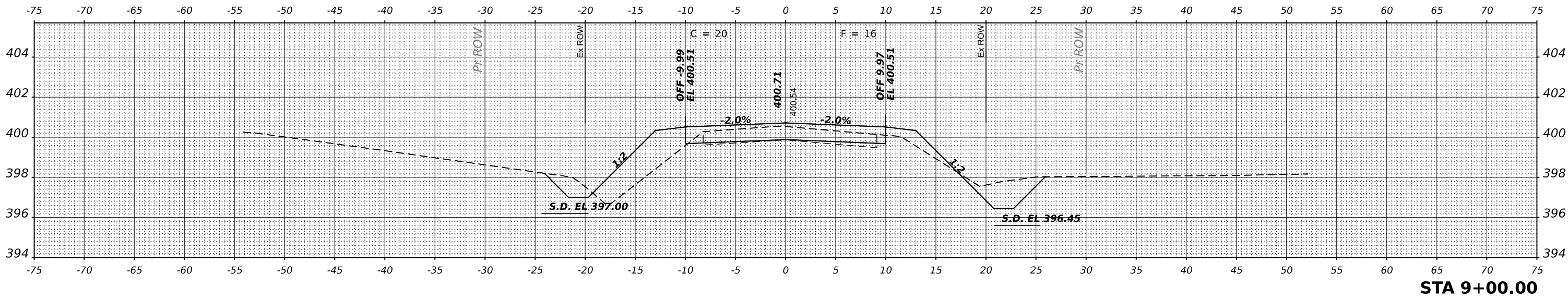
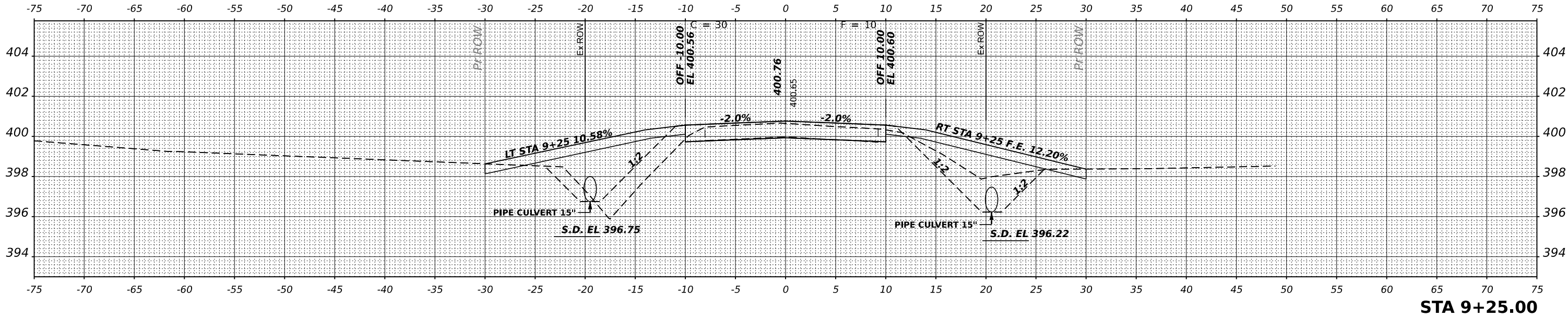


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FILE NAME: 220131-017-40-sheets.dgn

FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL \$MODELNAME\$
FILE NAME: 220131-017-40-sheets.dgn



USER NAME	dfoley	DESIGNED	- S.A.A.	REVISED	-
DRAWN	- J.B.L.	REVIS	-	REVIS	-
PLOT SCALE	1"=40'	CHECKED	- J.W.F.	REVISED	-
PLOT DATE	5/3/2024	DATE	- 03/21/2024	REVISED	-

STATE OF ILLINOIS
WABASH COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

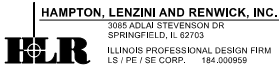
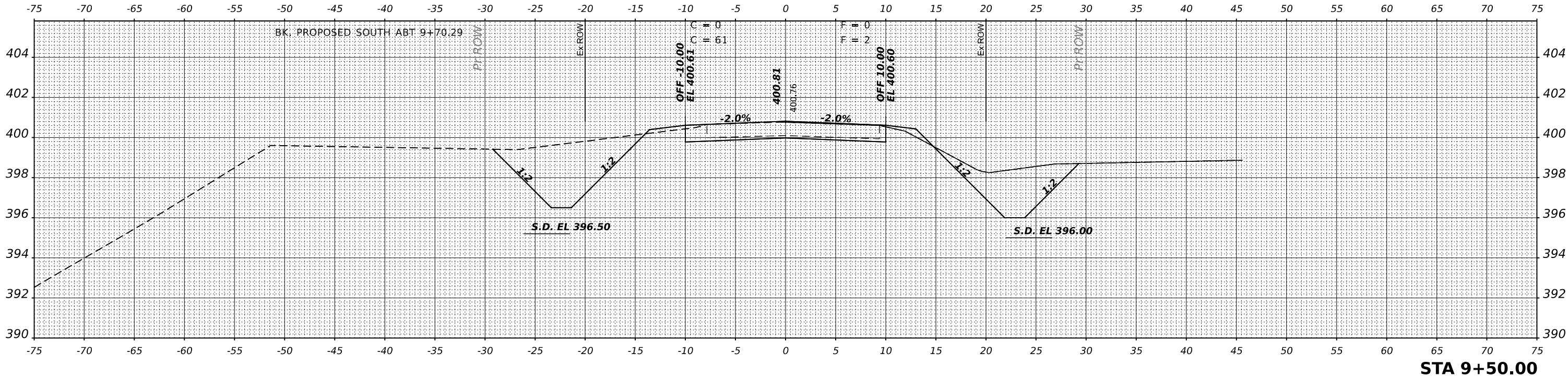
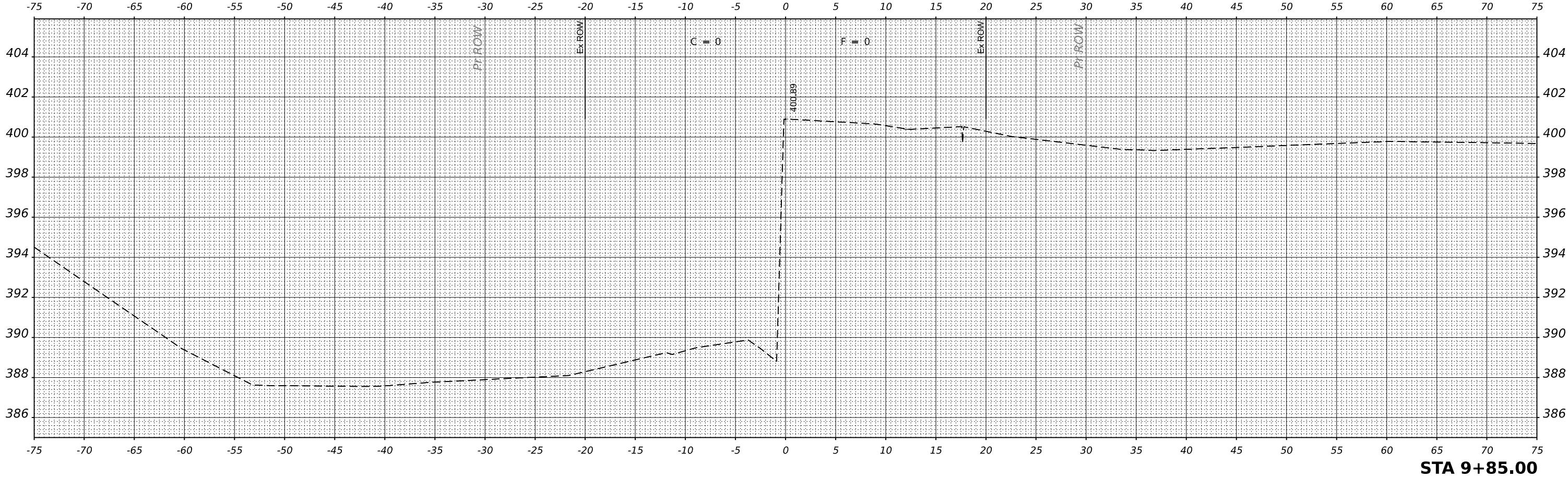
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F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1810	20-05124-00-BR	WABASH	23	17
1400 E. ROAD		CONTRACT NO. 95966		
C-97-098-23	ILLINOIS	FED. AID PROJECT QH39(061)		

FINAL SURVEY	NO.	SURVEYED	PLOTTED	TEMPLATE	AREAS	CHECKED	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED	PLOTTED	TEMPLATE	AREAS	CHECKED	BY	DATE

MODEL \$MODELNAME\$
FILE NAME: 220131-017-40-sheets.dgn



USER NAME	dfoley	DESIGNED	- S.A.A.	REVISED	-
DRAWN	- J.B.L.	REVIS	-	REVISED	-
PLOT SCALE	1"=50'	CHECKED	- J.W.F.	REVISED	-
PLOT DATE	5/3/2024	DATE	- 03/21/2024	REVISED	-

STATE OF ILLINOIS
WABASH COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS

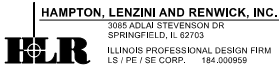
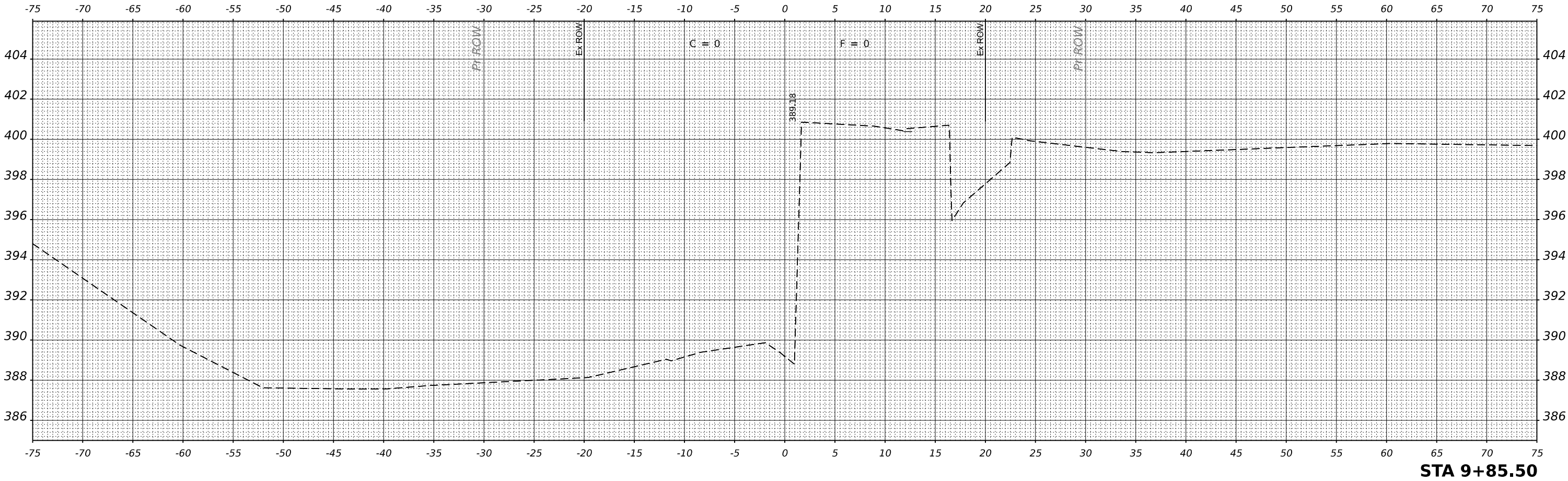
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F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1810	20-05124-00-BR	WABASH	23	18
1400 E. ROAD		CONTRACT NO. 95966		
C-97-098-23	ILLINOIS	FED. AID PROJECT QH39(061)		

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

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

MODEL \$MODELNAME\$
FILE NAME: 220131-017-40-sheets.dgn



USER NAME	dfoley	DESIGNED	- S.A.A.	REVISED	-
		DRAWN	- J.B.L.	REVISED	-
PLOT SCALE	1"=40'	CHECKED	- J.W.F.	REVISED	-
PLOT DATE	5/3/2024	DATE	- 03/21/2024	REVISED	-

STATE OF ILLINOIS
WABASH COUNTY HIGHWAY DEPARTMENT

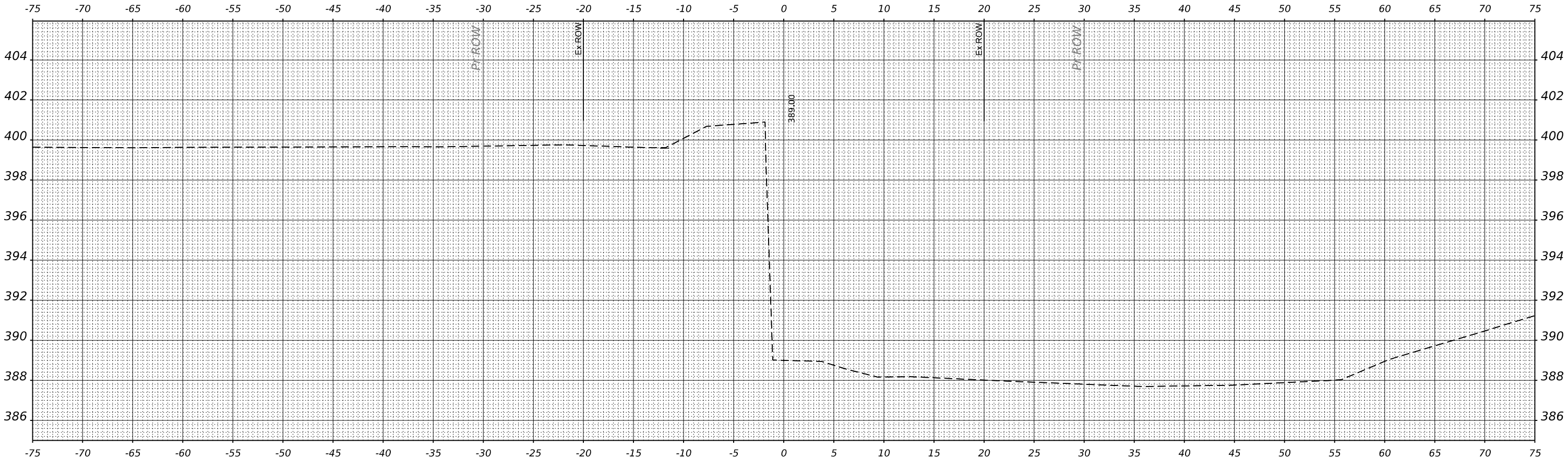
CROSS SECTIONS

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F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1810	20-05124-00-BR	WABASH	23	19
1400 E. ROAD				
C-97-098-23	ILLINOIS	FED. AID PROJECT QH39(061)		

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

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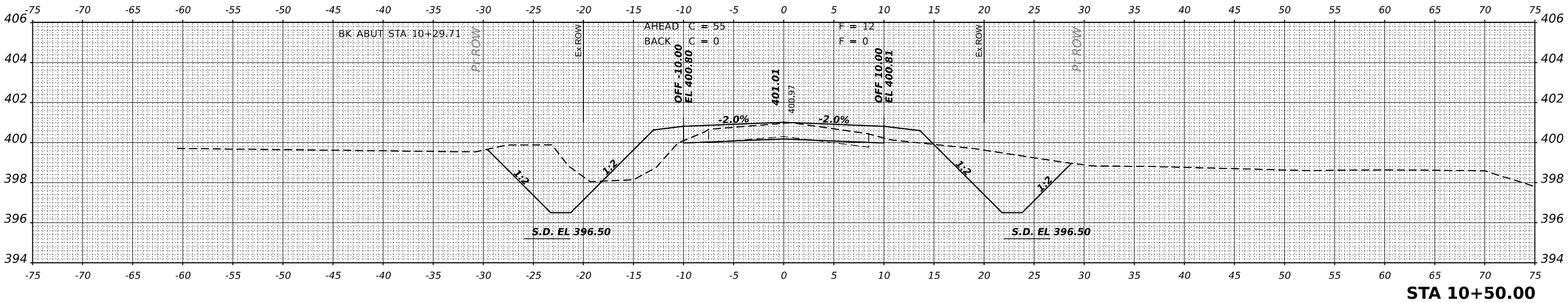


STA 10+14.50

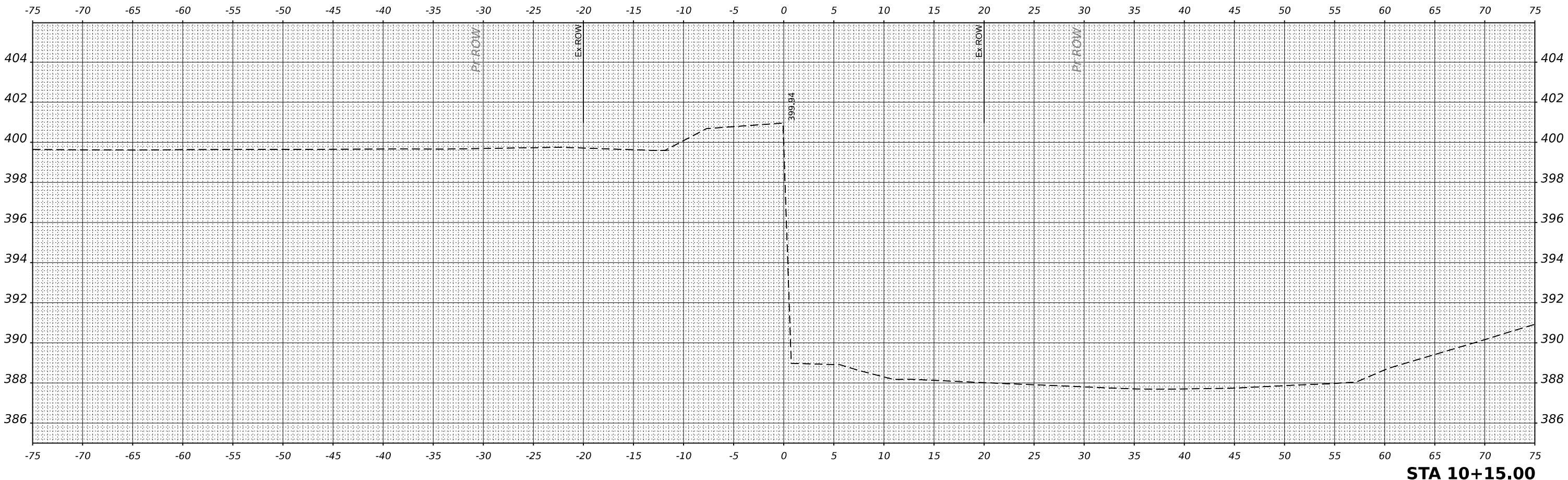
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HAMPTON, LENZINI AND RENWICK, INC.  3085 ADLAI STEVENSON DR SPRINGFIELD, IL 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184-000959	USER NAME ■ dfoley	DESIGNED - S.A.A.	REVISED -	STATE OF ILLINOIS WABASH COUNTY HIGHWAY DEPARTMENT	CROSS SECTIONS					F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE ■ \$SCALE\$	DRAWN - J.B.L.	REVISED -		1810	20-05124-00-BR	WABASH	23	20					
	PLOT DATE ■ 5/3/2024	CHECKED - J.W.F.	REVISED -		1400 E. ROAD		CONTRACT NO. 95966							
		DATE - 03/21/2024	REVISED -		SCALE: 1:1	SHEET 5	OF 8	SHEETS	STA. 10+14.50	C-97-098-23		ILLINOIS	FED. AID PROJECT QH39(061)	

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



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

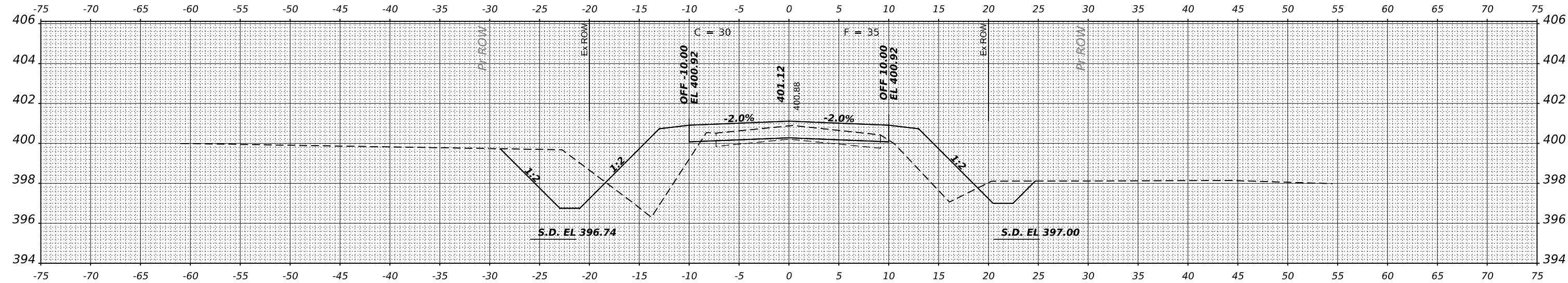


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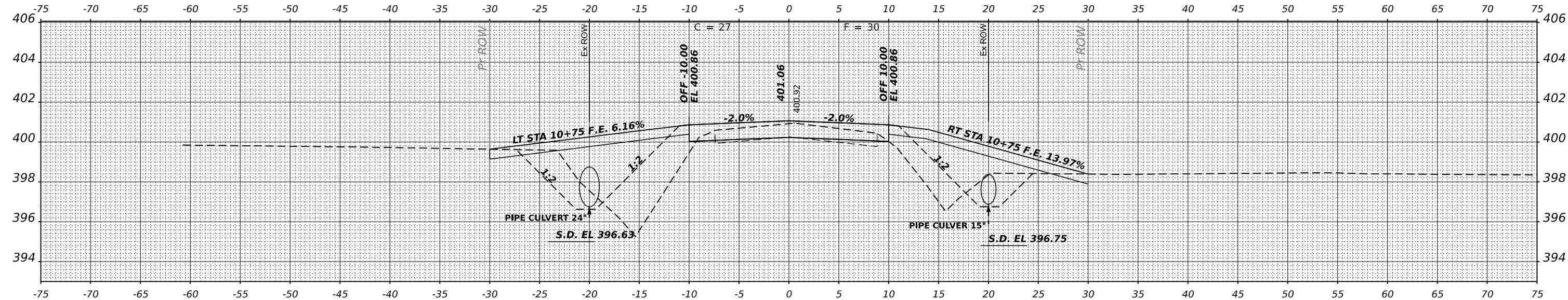
FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

MODEL \$MODELNAME\$
FILE NAME: 220131-017-40-sheets.dgn



STA 11+00.00

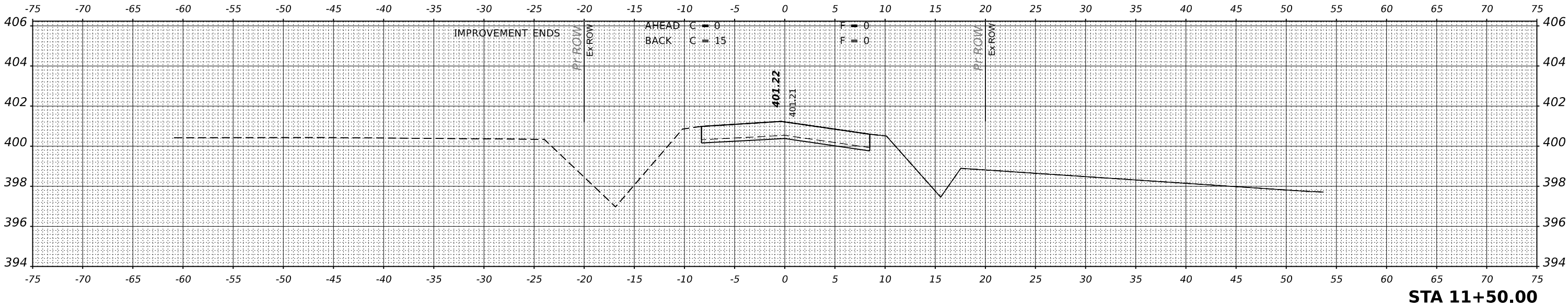
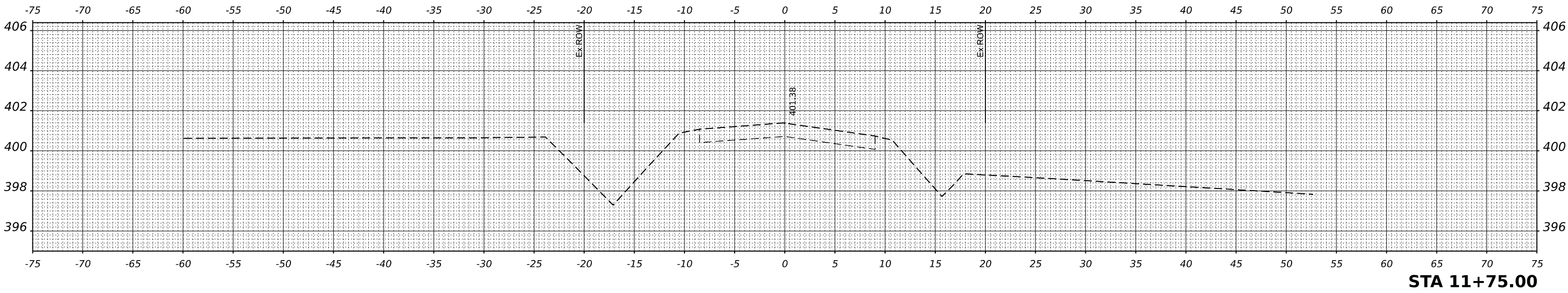
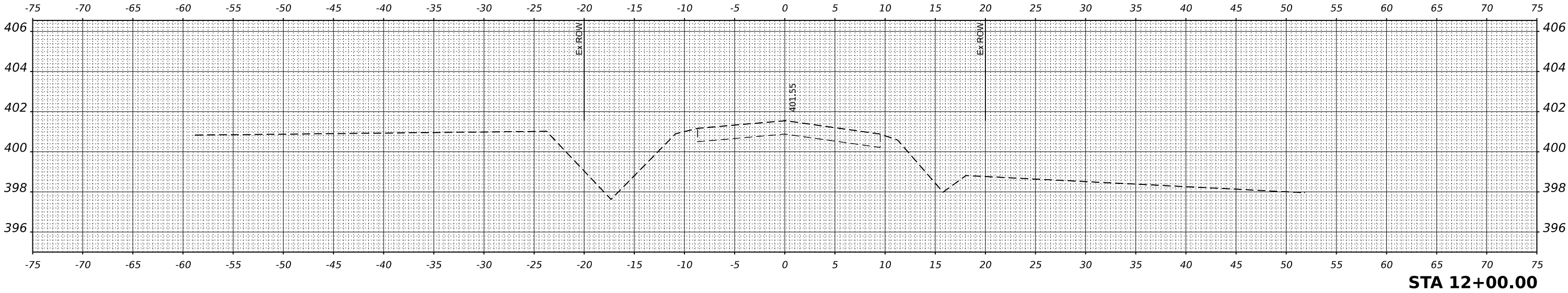


STA 10+75.00

 HAMPTON, LENZINI AND RENWICK, INC. 3085 ADLAI STEVENSON DR SPRINGFIELD, IL 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184-000899	USER NAME ■ dfoley		DESIGNED - S.A.A.	REVISED -	STATE OF ILLINOIS WABASH COUNTY HIGHWAY DEPARTMENT	CROSS SECTIONS			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - J.B.L.		REVIS	REVISED -					1810	20-05124-00-BR	WABASH	23	22
	PLOT SCALE ■ \$SCALE\$		CHECKED - J.W.F.	REVISED -					1400 E. ROAD		CONTRACT NO. 95966		
	PLOT DATE ■ 5/3/2024		DATE - 03/21/2024	REVISED -		SCALE: 1:1		SHEET 7 OF 8 SHEETS		STA. 10+75.00		ILLINOIS FED. AID PROJECT QH39(061)	

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

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



MODEL \$MODELNAME\$
FILE NAME: 220131-017-40-street.dgn

 HAMPTON, LENZINI AND RENWICK, INC. 3085 ADLAI STEVENSON DR. SPRINGFIELD, IL 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184-000859	USER NAME dfoley		DESIGNED - S.A.A.	REVISED -	STATE OF ILLINOIS WABASH COUNTY HIGHWAY DEPARTMENT	CROSS SECTIONS				F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - J.B.L.	REVISED -						1810	20-05124-00-BR	WABASH	23	23
	PLOT SCALE \$SCALE\$		CHECKED - J.W.F.	REVISED -						1400 E. ROAD		CONTRACT NO. 95966		
	PLOT DATE 5/3/2024		DATE - 03/21/2024	REVISED -		SCALE: 1:1	SHEET 8	OF 8	SHEETS	STA.	11+50.00	C-97-098-23	ILLINOIS	FED. AID PROJECT QH39(061)