ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 229	21-07106 -00-BR	EDWARDS	30	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 95963	

08-02-2024 LETTING ITEM 056

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
LOCAL BRIDGE FUNDING FORMULA

PROJECT J6FW(887)
SECTION 21–07106–00–BR
ROAD DISTRICT NO. 7
EDWARDS COUNTY
T.R. 229
PROPOSED STRUCTURE NO. 024–3148
C–97–085–23

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	SUMMARY OF QUANTITIES AND GENERAL NOTES
3.	TYPICAL CROSS SECTIONS
4.	PLAN AND PROFILE
5-14.	BRIDGE PLANS
15-30.	STATION CROSS SECTIONS

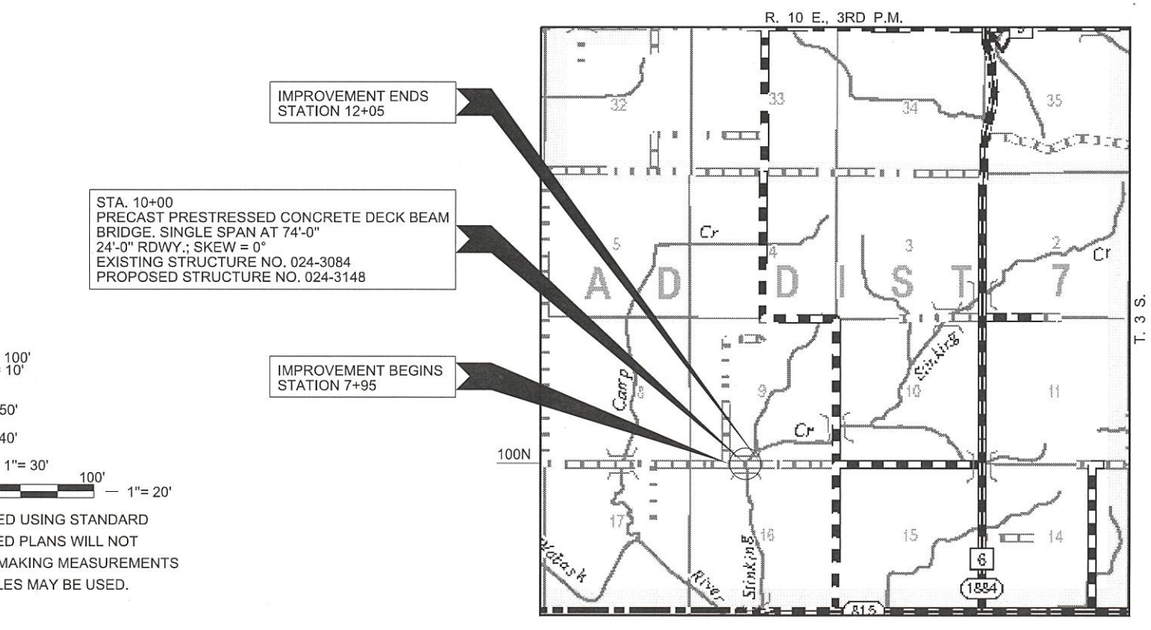
HIGHWAY STANDARDS:

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

FRONTIER COMMUNICATIONS
F208 W. UNION ST., MARION, IL 62959
618-997-1062

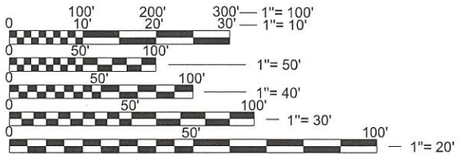
WAYNE / WHITE ELECTRIC CO-OP
1501 WEST MAIN
FAIRFIELD, IL 62837



LOCATION MAP

APPROXIMATE SCALE: 0 ½ MILE

NET LENGTH OF SECTION = 410 FEET = 0.077 MILES



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

FUNCTIONAL CLASSIFICATION:	LOCAL ROAD (0-250 ADT)
DESIGN SPEED:	30 MPH
DESIGN TRAFFIC:	50 ADT

LOCATION OF SECTION INDICATED THUS: –

WARNING

CALL J.U.L.I.E. TOLL FREE 1-800-892-0123

CALL 811 BEFORE YOU DIG

DIG NO: X220940311

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED APRIL 23, 2024
COUNTY ENGINEER

APPROVED _____
TOWNSHIP COMMISSIONER

PASSED 05/31/24
DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review 05/31/24
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE: 04/18/2024
LICENSED PROFESSIONAL ENGINEER — KEVIN W. MEGGINSON — 062-5005 — STATE OF ILLINOIS
EXPIRES: 11/30/2023

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

PROJECT NUMBER: 22.0211.130 DATE: 04/18/2024

CONTRACT NO. 95963 PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	CONSTRUCTION TYPE CODE 0010	
			UNIT	TOTAL
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	163
	20200100	EARTH EXCAVATION	CU YD	835
	20300100	CHANNEL EXCAVATION	CU YD	45
	20400800	FURNISHED EXCAVATION	CU YD	120
	28100807	STONE DUMPED RIPRAP, CLASS A4	TON	420
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	580
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
	50300225	CONCRETE STRUCTURES	CU YD	25.0
	50300280	CONCRETE ENCASEMENT	CU YD	3.4
	50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	1,776
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,120
*	50900205	STEEL RAILING, TYPE S1	FOOT	144
	51201400	FURNISHING STEEL PILES HP10X42	FOOT	400
	51202305	DRIVING PILES	FOOT	400
	51500100	NAME PLATES	EACH	1
	67100100	MOBILIZATION	L SUM	1
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
	X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1

* SPECIALTY ITEMS

GENERAL NOTES

1) 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.

2) 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.

3) 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.

4) THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES
   AGGREGATE SURFACE COURSE 2.05 TON/CU YD
   STONE DUMPED RIPRAP 1.75 TON/CU YD

5) 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) = 0.5 ACRES

6) TREE REMOVAL SHALL CONSIST OF ALL TREES WITHIN THE PROPOSED RIGHT-OF-WAY AS DIRECTED BY THE ENGINEER.

7) ALL WASTE MATERIAL FROM EXCAVATIONS SHALL BE DISPOSED OF BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

8) COMMITMENTS:
   1) TREES SHALL NOT BE CLEARED BETWEEN APRIL 1 AND SEPTEMBER 30.

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.
TR 229							
STA. 7+95.00 TO STA. 9+62.33	428		25.00%	100.00%	321	521	-200
STA. 9+62.33 TO STA. 10+37.67		45	25.00%	70.00%	24		24
STA. 10+37.67 TO STA. 12+05.00	406		25.00%	100.00%	304	249	55
TOTAL	834	45			649	770	-121
USE	835	45					120

FURNISHED EXCAVATION 120 CU YDS

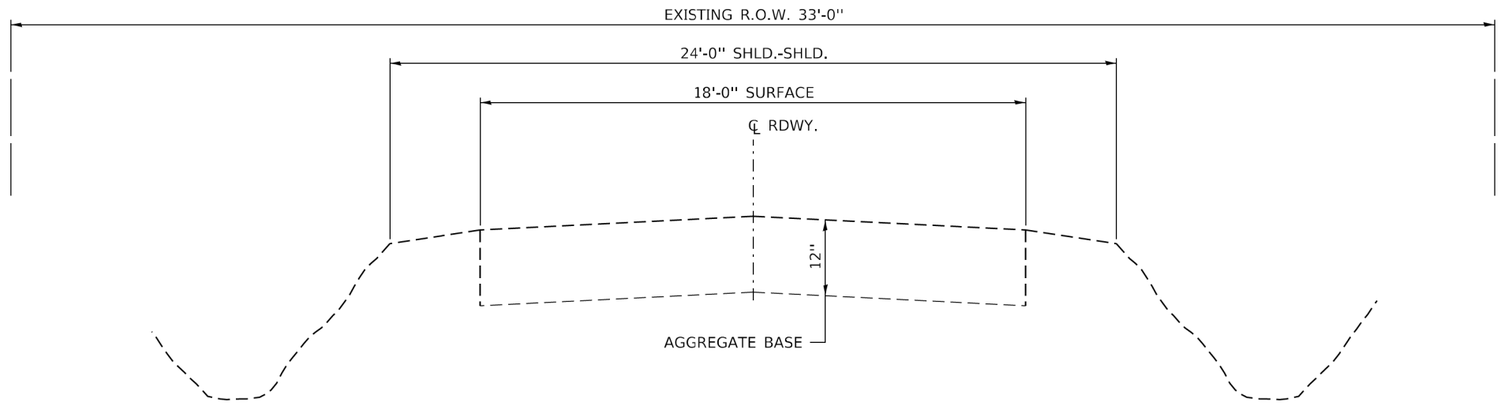
FILE NAME = 220211-sht-summary.dgn | USER NAME = gmetcalf | DESIGNED - T.J.B. | REVISED -
HAMPTON, LENZINI AND RENWICK, INC. | DRAWN - G.D.M. | REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 | PLOT SCALE = $SCALE$ | CHECKED - S.W.M. | REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.00959 | PLOT DATE = 5/22/2024 | DATE - 10/26/2023 | REVISED -

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

SUMMARY OF QUANTITIES AND GENERAL NOTES

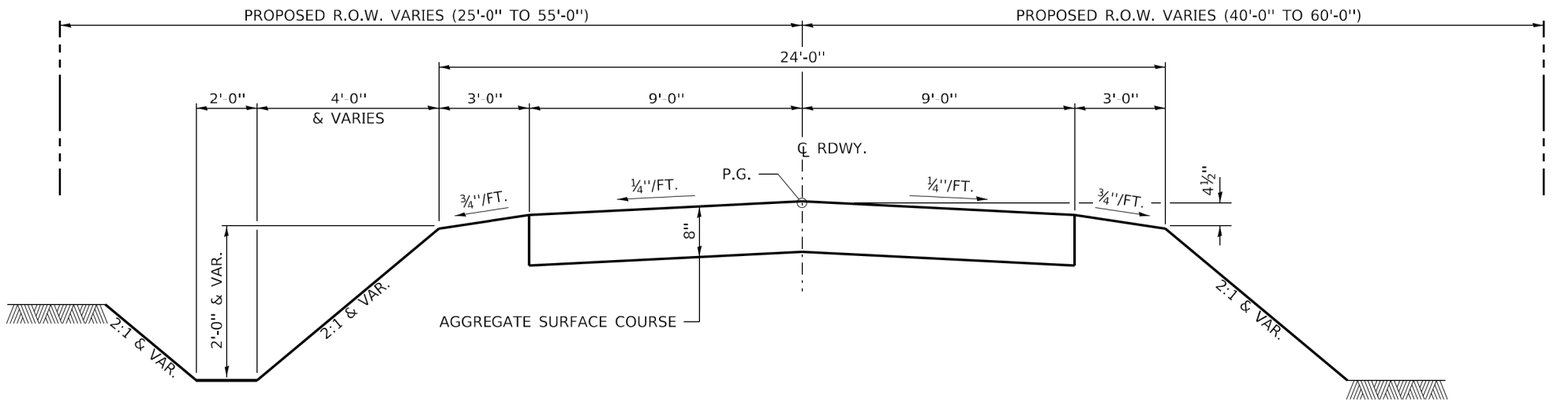
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. 7+95 TO STA. 12+05

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07106-00-BR	EDWARDS	30	2
ROAD DISTRICT NO.7		CONTRACT NO. 95963		
	ILLINOIS	FED. AID PROJECT J6FW(887)		



EXISTING TYPICAL CROSS SECTION

STA. 7+95 TO 12+05



PROPOSED TYPICAL CROSS SECTION

STA. 7+95 TO 12+05

SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

TRANSITIONS FROM THE PROPOSED ROADWAY TO THE EXISTING ROADWAY ARE TO BE CONSTRUCTED FROM STA. 7+95 TO 8+45 AND STA. 11+55 TO STA. 12+05.
SEE SHEET 5 FOR TRANSITION AT BRIDGE.

FILE NAME = 220211-sht-typsections.dgn	USER NAME = gmetcalf	DESIGNED - -	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - G.D.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 5/22/2024	DATE - 10/26/2023	REVISED -

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

TYPICAL CROSS SECTIONS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. 7+95 TO STA. 12+05

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07106-00-BR	EDWARDS	30	3
ROAD DISTRICT NO.7		CONTRACT NO. 95963		
	ILLINOIS	FED. AID PROJECT J6FW(887)		

NEIL TINCKHAM & CAROLYN HORTON
SW¼, SEC 9, T. 3 S., R. 10 E., 3RD P.M.

NEIL TINCKHAM & CAROLYN HORTON
SW¼, SEC 9, T. 3 S., R. 10 E., 3RD P.M.

P.O.T. STA. 6+99.96
MAG NAIL (SET)
N. 584002.036
E. 1049213.055

P.O.T. STA. 12+99.89
MAG NAIL (SET)
N. 583989.289
E. 1049812.850

STA. 10+00
PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE
SINGLE SPAN: 74'-0" 24' ROADWAY; SKEW = 0°
PROPSED SN 024-3148

CREEK

PROPOSED R.O.W. LINE

℄ PROPOSED IMPROVEMENT

EXIST. AGG SURFACE

S. LINE SW 1/4
SEC. 9-3-10

EXIST. R.O.W.

IMPROVEMENT BEGINS
STATION 7+95

IMPROVEMENT ENDS
STATION 12+05

LARRY & NANCY PERKINS
NW¼, SEC 16, T. 3 S., R. 10 E., 3RD P.M.

GARY & BARBARA BUNTING
NW¼, SEC 16, T. 3 S., R. 10 E., 3RD P.M.

CROPS

LEGEND

TREES TO BE REMOVED

TEMPORARY DITCH CHECK

EXISTING STRUCTURE NO. 024-3084

STA. 10+00 THREE SPAN PRECAST CONCRETE CHANNEL BEAM BRIDGE ON TIMBER PILE BENT PIERS AND ABUTMENTS WITH CONCRETE CAPS
63.8' BK-BK ABUTS; 22.5' o.-o. DECK

BM#3 - BENCH TIE IN POWER POLE
37' RT., STA. 7+83
ELEV. 381.10

BM#2 - BENCH TIE IN POWER POLE
38' RT., STA. 10+63
ELEV. 378.31

BM#1 - BENCH TIE IN POWER POLE
32' RT., STA. 13+80
ELEV. 380.32

VPI STA. 8+60
ELEV. 380.35
K = 39
130' V.C.

VPRC STA. 9+25
ELEV. 382.88

VPI STA. 10+00
ELEV. 385.80
K = 19
150' V.C.

VPRT STA. 10+75
ELEV. 382.88

VPI STA. 11+40
ELEV. 380.35
K = 39
130' V.C.

100 YEAR H.W. ELEV. (STINKING CREEK) 379.3
15 YEAR H.W. ELEV. (STINKING CREEK 378.7
100 YEAR TAILWATER
(LITTLE WABASH RIVER) 386.7

PROPOSED ℄ GRADE
EXISTING ℄ GRADE
SPECIAL DITCH LT.
SPECIAL DITCH RT.
CHANNEL EXCAVATION
STONE DUMPED RIPRAP, CLASS A4
℄ ELEV. 367.0

+3.89% -3.89% +0.57% -0.55% 1.07% 5.80% -1.20% -0.53% +1.87% +0.53%

377.2 LT. 376.4 LT. 373.5 LT. 373.2 LT. 372.6 LT. 375.4 LT.
371.7 RT. 370.9 RT. 371.6 RT. 372.1 RT.

7+00	7+50	8+00	8+50	9+00	9+50	10+00	10+50	11+00	11+50	12+00	12+50	13+00
400	395	390	385	380	375	370	365	360	355			
	379.9	380.0 380.01	380.1 380.68	380.8 381.99	382.1 383.69	382.9 384.34	382.3 383.69	381.0 381.99	380.2 380.68	380.0 380.02	380.0	380.0

FILE NAME = 220211-planprf.dgn	USER NAME = gmetcalf	DESIGNED - C.E.M.	REVISED -	STATE OF ILLINOIS EDWARDS COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - J.B.L.	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -		
	PLOT DATE = 5/22/2024	DATE - 5/22/2024	REVISED -		SCALE: 5V:20H / SHEET NO. 1 OF 1 SHEETS / STA. 7+00 TO STA. 13+00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07106-00-BR	EDWARDS	30	4
ROAD DISTRICT NO. 7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			

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

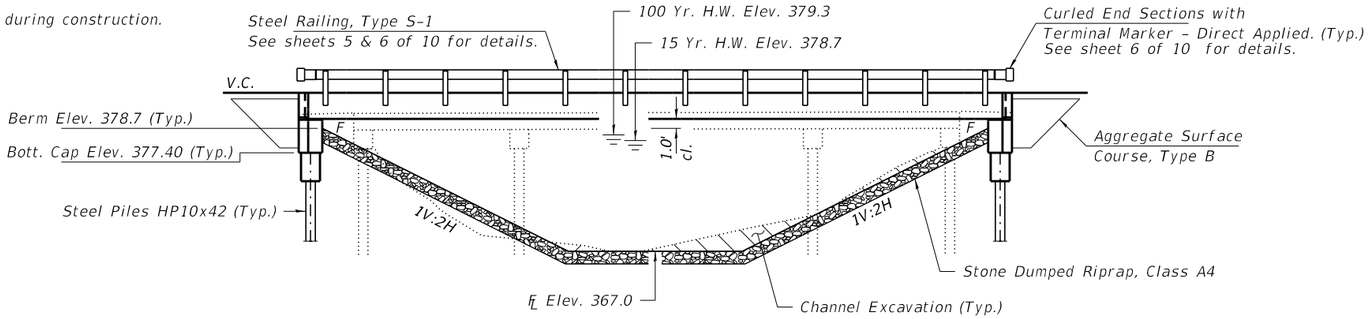
PROFILE
SURVEYED
PLOTTED
CROSSINGS CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

BENCHMARK: Bench Tie in Power Pole 38' Rt., Sta. 10+63, Elev. 378.31

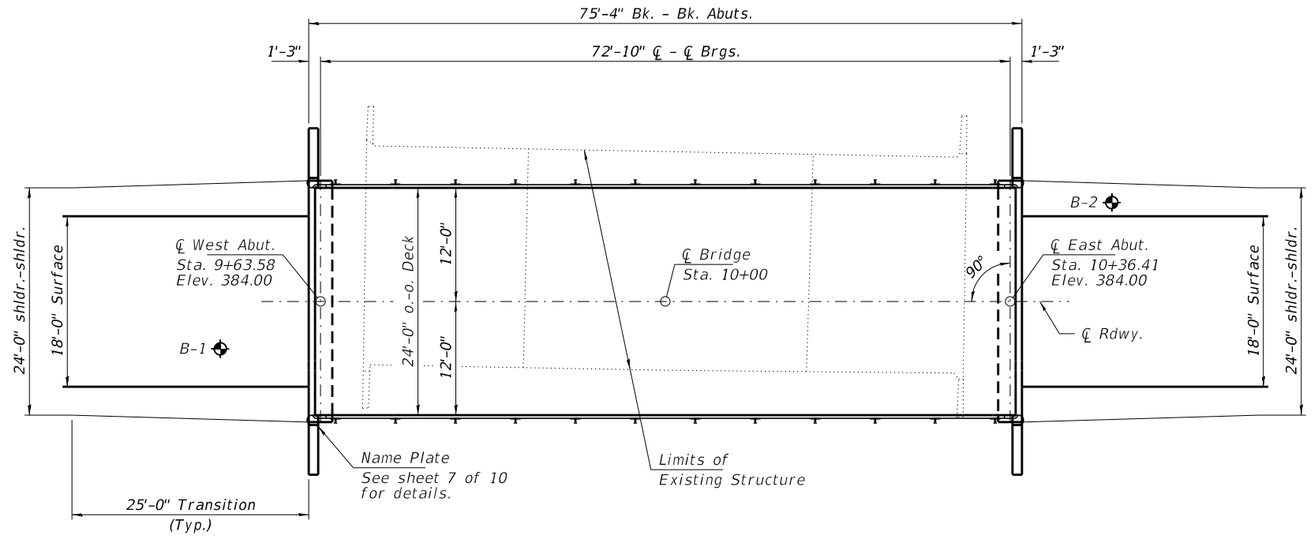
EXISTING STRUCTURE NO. 024-3084: Sta. 10+00 - Three Span Precast Concrete Channel Beam Bridge on Pile Bent Piers and Pile Bent Abutments with Concrete Caps and Timber Piles
63.8' Bk-Bk abuts., 22.5' o-o deck.

Structure closed to traffic during construction.

No Salvage



ELEVATION



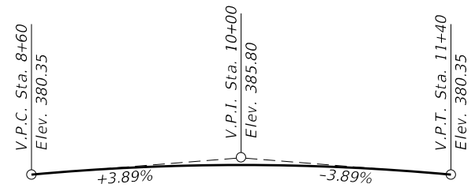
PLAN

N

INDEX OF STRUCTURE SHEETS

1. General Plan & Elevation
2. General Details
3. 33"x36" PPC Deck Beam
4. 33"x36" PPC Deck Beam Details
5. Superstructure Details
6. Steel Railing, Type S-1
7. Abutments
8. HP Pile Details

9-10. Borings



PROFILE GRADE

T.R. 229

STINKING CREEK
BUILT 202_ BY
EDWARDS COUNTY
SEC. 21-07106-00-BR
ROAD DISTRICT NO. 7
STR. NO. 024-3148
LOADING HL-93

NAME PLATE

See Std. 515001

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
fy = 60,000 psi (Reinf.)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270,000 psi (½"Ø low lax. strands)
fpbt = 201,960 psi (½"Ø low lax. strands)
fy = 60,000 psi (Reinf.)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.300g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.700g
Soil Site Class = D

WATERWAY INFORMATION

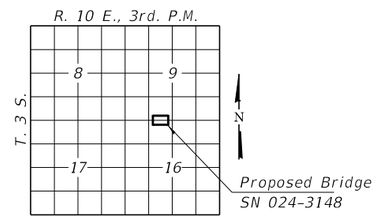
Drainage Area = 5.0 Sq. Mi.
Existing Low Grade Elev. 379.77 @ Sta. 6+20
Proposed Low Grade Elev. 379.77 @ Sta. 6+20

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Ten-Year	10	1,520	420	480	378.5	0.5	0.5	379.0	379.0
Design	15	1,770	430	490	378.7	0.8	0.7	379.5	379.4
Base	100	2,980	470	530	379.3	1.1	1.0	380.4	380.3
Scour Check	200	3,350	480	540	379.5	1.0	1.0	380.5	380.5
Max Calc	500	4,140	500	560	379.8	0.9	0.9	380.7	380.7

10 Year Velocity through Existing Bridge = 4.1 fps
10 Year Velocity through Proposed Bridge = 3.7 fps

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elev. (ft.) S. Abut.	Design Scour Elev. (ft.) N. Abut.	Item 113
Q100	377.40	377.40	
Q200	377.40	377.40	
Design	377.40	377.40	8
Check	377.40	377.40	



LOCATION SKETCH

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 04/18/2024
ILLINOIS STRUCTURAL ENGINEER NO. 081-6064

LICENSED STRUCTURAL ENGINEER
STEVEN W. MEGGINSON
081-6064
SPRINGFIELD, IL
STATE OF ILLINOIS

Expires 11-30-2024

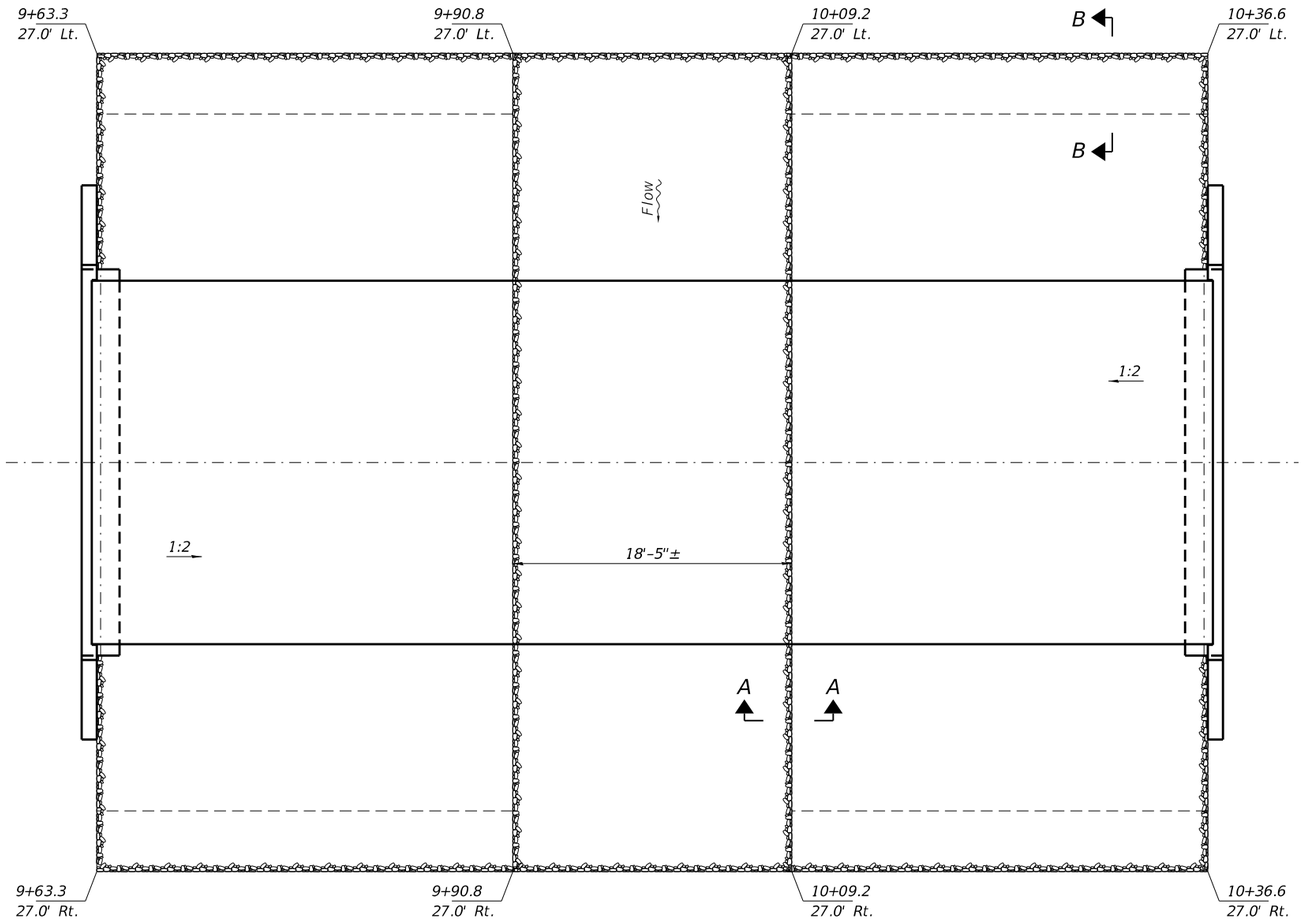
GENERAL PLAN & ELEVATION
T.R. 229
OVER STINKING CREEK
SECTION 21-07106-00-BR
EDWARDS COUNTY
STRUCTURE NO. 024-3148

FILE NAME = 220211-shl-bridge.dgn	USER NAME = gmetcalf	DESIGNED - T.J.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP: 184.000959		CHECKED - T.J.B.	REVISED -
	PLOT SCALE =	DRAWN - G.D.M.	REVISED -
	PLOT DATE = 5/22/2024	CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

GENERAL PLAN & ELEVATION
STRUCTURE NO. 024-3148
SHEET NO. 1 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07106-00-BR	EDWARDS	30	5
ROAD DISTRICT NO. 7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			



RIPRAP LAYOUT

GENERAL NOTES

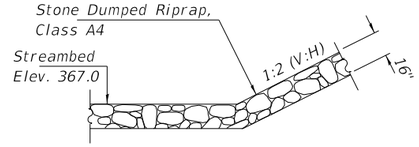
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

All bars to be epoxy coated.

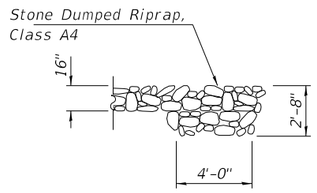
Excavation required to construct the Abutments and backfill shall be included in the cost of Concrete Structures. No additional compensation will be allowed for Structure Excavation.

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.



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.			45
Stone Dumped Riprap, Class A4	Ton			420
Aggregate Surface Course, Type B	Ton		140	140
Removal of Existing Structures	Each			1
Concrete Structures	Cu. Yd.		25.0	25.0
Concrete Encasement	Cu. Yd.		3.4	3.4
Precast Prestressed Conc. Deck Beams (33" Depth)	Sq. Ft.	1,776		1,776
Reinforcement Bars, Epoxy Coated	Pound		3,120	3,120
Steel Railing, Type S-1	Foot	144		144
Furnishing Steel Piles HP10x42	Foot		400	400
Driving Piles	Foot		400	400
Name Plates	Each	1		1
Terminal Marker - Direct Applied	Each	4		4

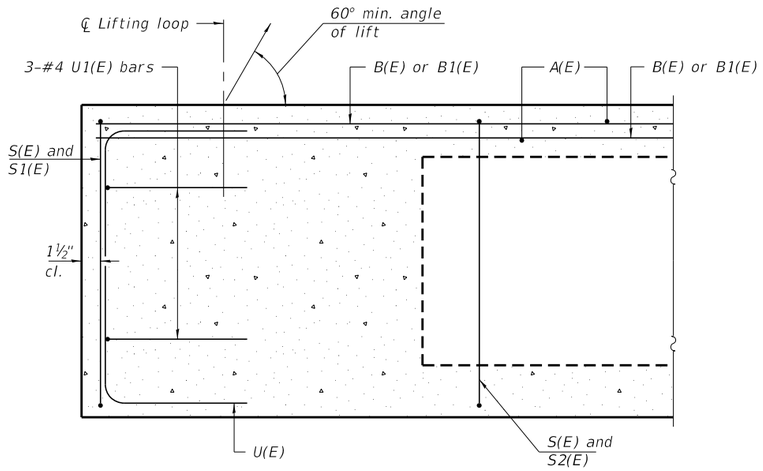
FILE NAME = 220211-sht-bridge.dgn | USER NAME = gmetcalf | DESIGNED - T.J.B. | REVISED -
CHECKED - T.J.B. | REVISED -
PLOT SCALE = | DRAWN - G.D.M. | REVISED -
PLOT DATE = 5/22/2024 | CHECKED - S.W.M. | REVISED -

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

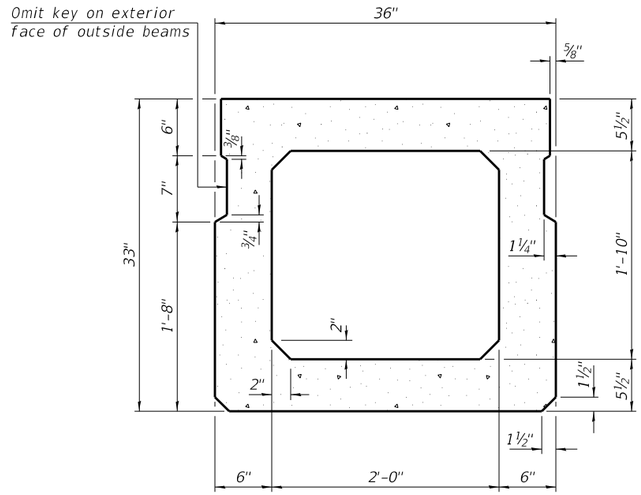
STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

GENERAL PLAN & ELEVATION
STRUCTURE NO. 024-3148
SHEET NO. 2 OF 10 SHEETS

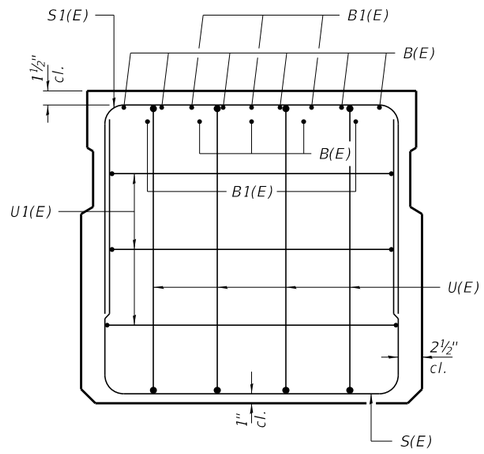
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07106-00-BR	EDWARDS	30	6
ROAD DISTRICT NO. 7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			



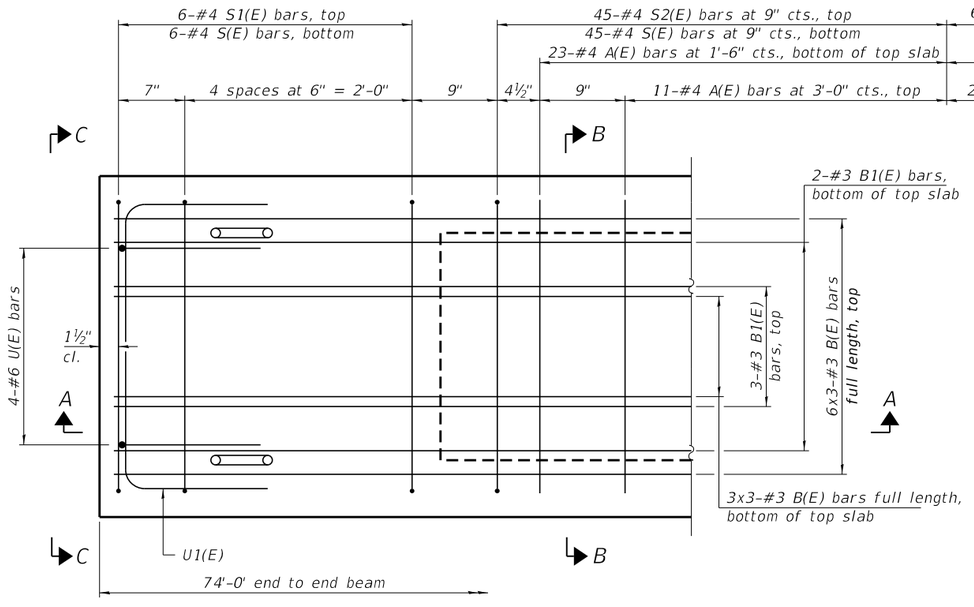
SECTION A-A



SECTION B-B
(Showing dimensions)

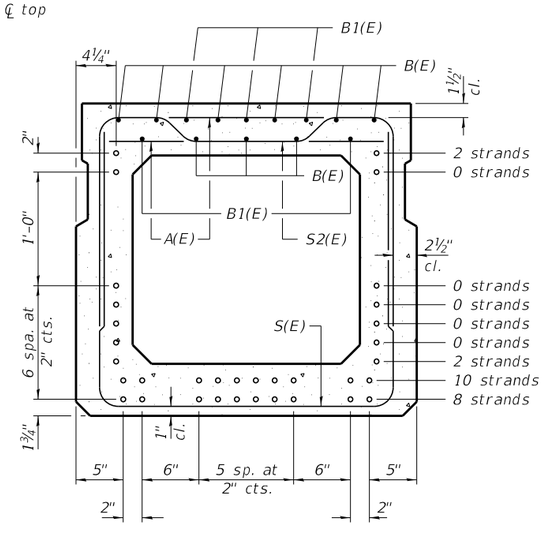


VIEW C-C



PLAN VIEW

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 6x3-#3 etc. indicates 6 lines of bars with 3 lengths per line



SECTION B-B
(Showing reinforcement and permissible strand locations)

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

MINIMUM BAR LAP
#3 bar = 1'-6"

BAR LIST
ONE BEAM ONLY
(For information only)

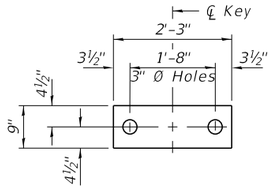
Bar	No.	Size	Length	Shape
A(E)	69	#4	2'-7"	—
B(E)	27	#3	25'-7"	—
B1(E)	10	#3	10'-0"	—
S(E)	103	#4	7'-8"	⊔
S1(E)	12	#4	6'-5"	⊓
S2(E)	91	#4	6'-8"	⊓
U(E)	8	#6	5'-0"	⊏
U1(E)	6	#4	5'-0"	⊓

Note:
See sheet 4 & 5 of 10 for additional details and Bill of Material.

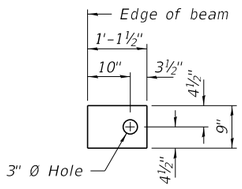
PD-3336-0 5-15-2023

FILE NAME = 220211-sht-bridge.dgn	USER NAME = gmetcalf	DESIGNED - T.J.B.	REVISED -	STATE OF ILLINOIS EDWARDS COUNTY HIGHWAY DEPARTMENT	33" X 36" PPC DECK BEAM STRUCTURE NO. 024-3148
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - T.J.B.	REVISED -		
	PLOT SCALE =	DRAWN - G.D.M.	REVISED -		SHEET NO. 3 OF 10 SHEETS
	PLOT DATE = 5/22/2024	CHECKED - S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07106-00-BR	EDWARDS	30	7
ROAD DISTRICT NO. 7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			



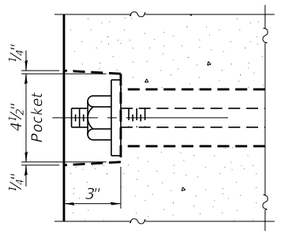
FABRIC BEARING PAD
(Interior - 14 req'd)



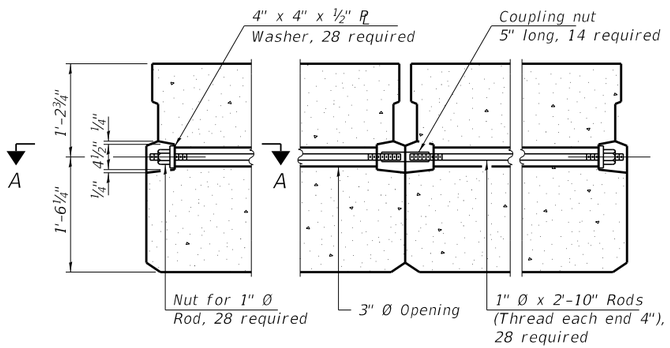
FABRIC BEARING PAD
(Exterior - 4 req'd)

FIXED

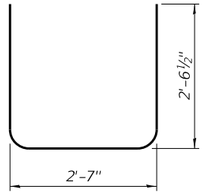
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pads shall be bonded to the substructure.



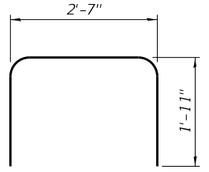
SECTION A-A



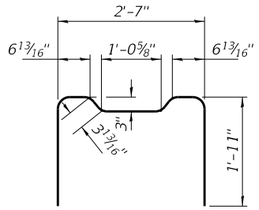
TYPICAL TRANSVERSE TIE ASSEMBLY



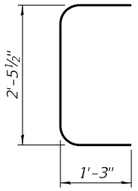
BAR S(E)



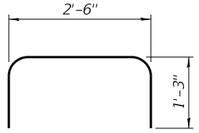
BAR S1(E)



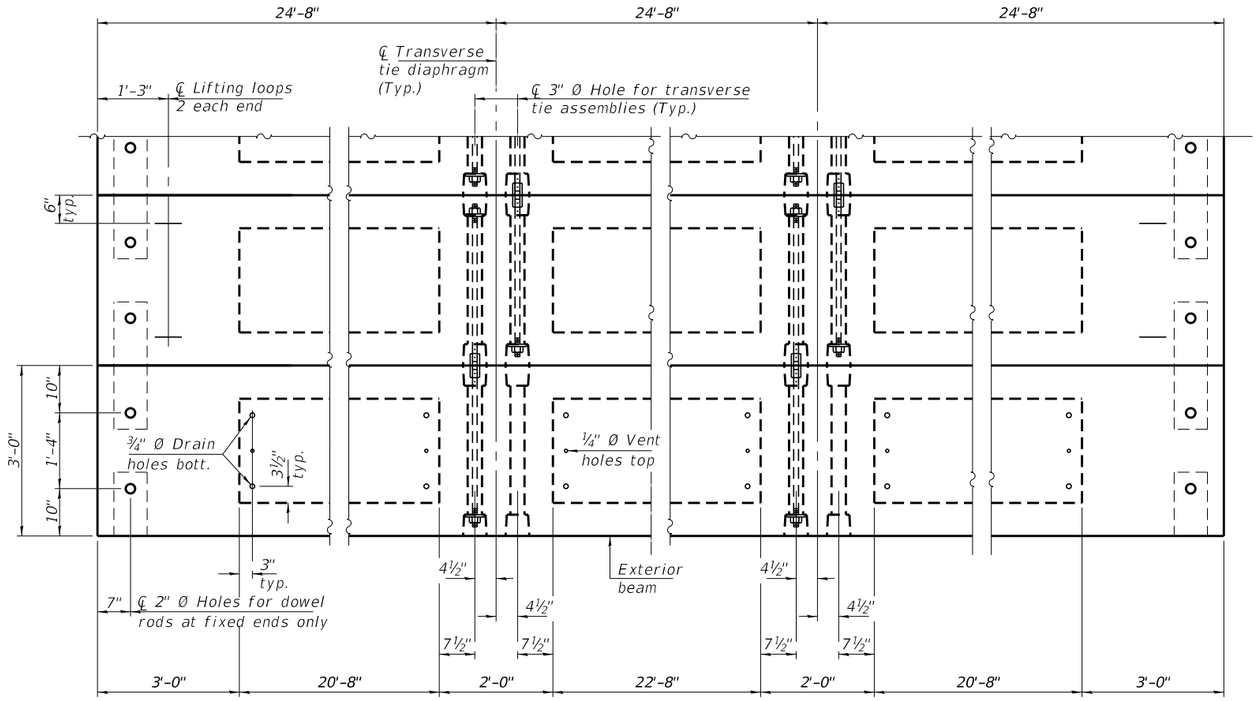
BAR S2(E)



BAR U(E)

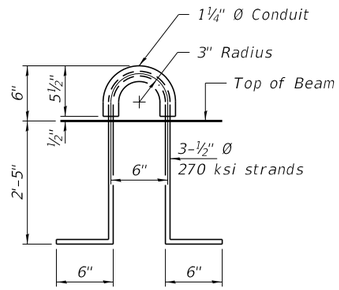


BAR U1(E)



PLAN VIEW

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



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" Ø 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 ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" Ø 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.

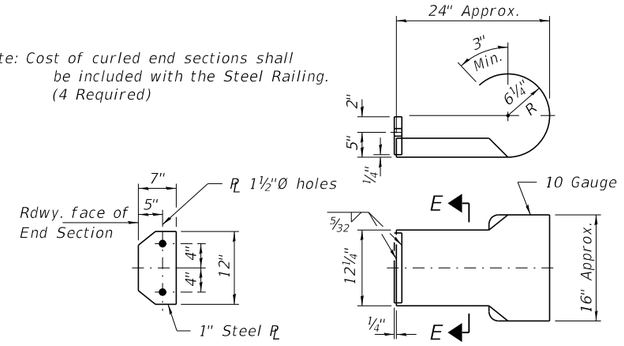
BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (33" depth)	Sq. Ft.	1,776

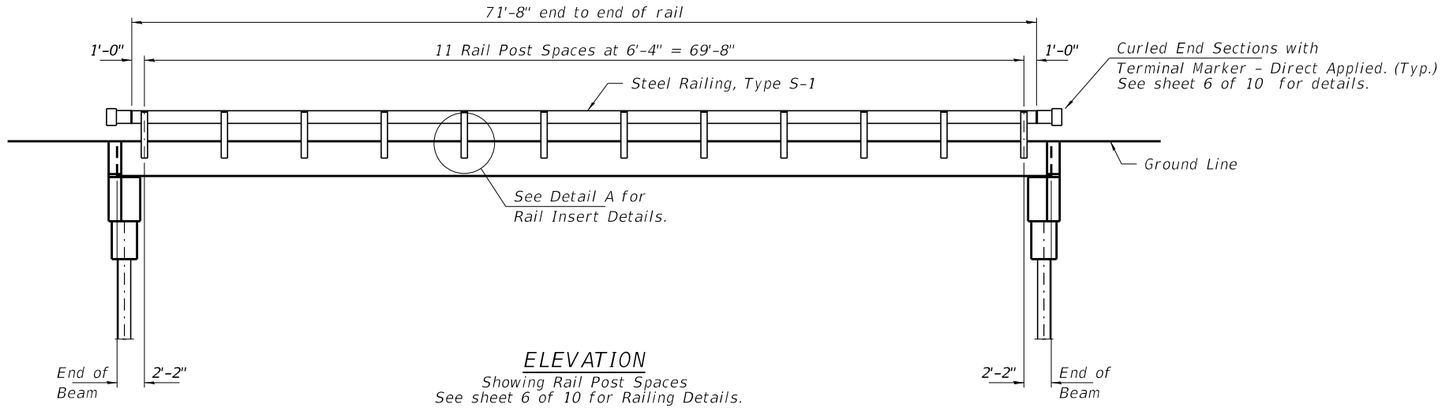
PDD-3336-0 1-1-2020

FILE NAME = 220211-sht-bridge.dgn	USER NAME = gmetcalf	DESIGNED - T.J.B.	REVISED -	STATE OF ILLINOIS EDWARDS COUNTY HIGHWAY DEPARTMENT	33" X 36" PPC DECK BEAM DETAILS STRUCTURE NO. 024-3148	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP: 184.000959		CHECKED - T.J.B.	REVISED -			229	21-07106-00-BR	EDWARDS	30	8
	PLOT SCALE =	DRAWN - G.D.M.	REVISED -			ROAD DISTRICT NO. 7		CONTRACT NO. 95963		
	PLOT DATE = 5/22/2024	CHECKED - S.W.M.	REVISED -		SHEET NO. 4 OF 10 SHEETS			ILLINOIS	FED. AID PROJECT J6FW(887)	

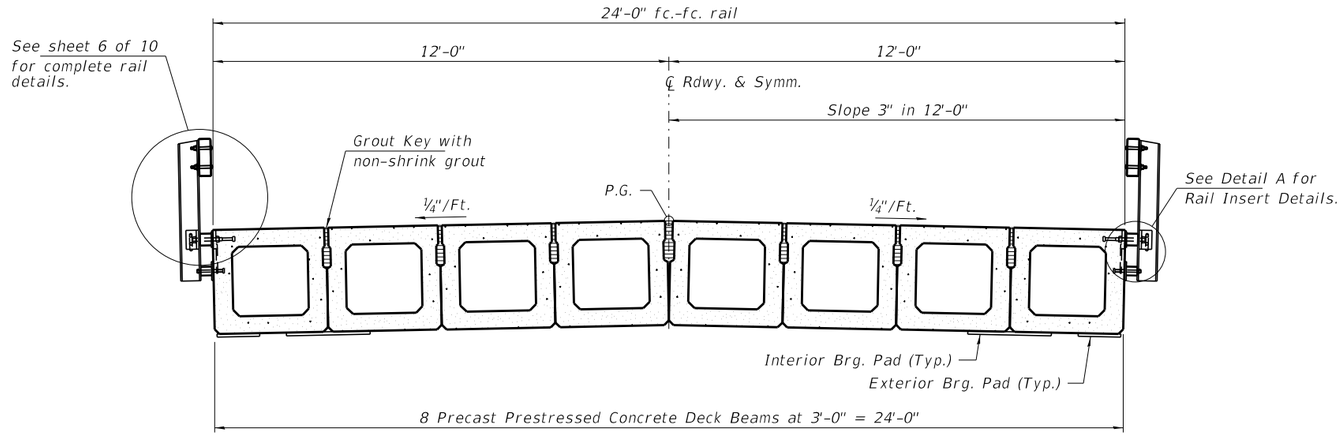
Note: Cost of curled end sections shall be included with the Steel Railing. (4 Required)



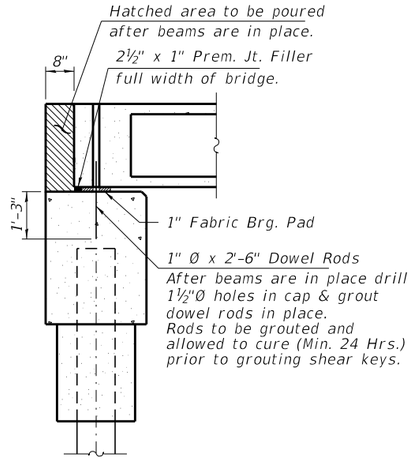
SECTION E-E CURLED END SECTION DETAILS



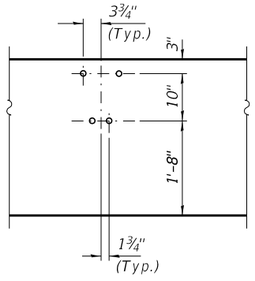
ELEVATION
Showing Rail Post Spaces
See sheet 6 of 10 for Railing Details.



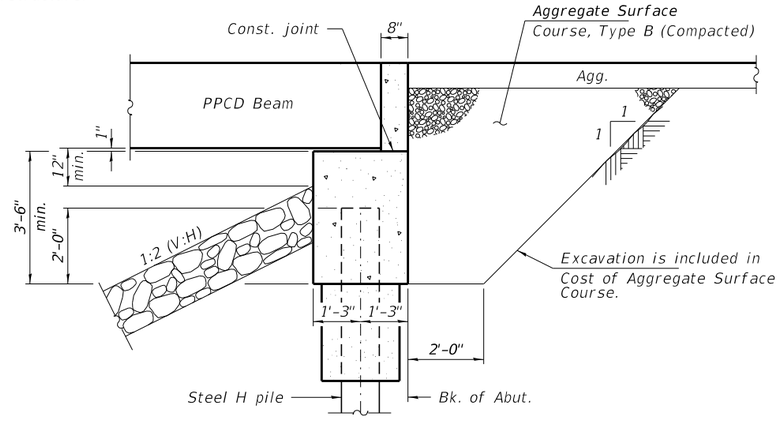
CROSS SECTION
See sheets 3 & 4 of 10 for Superstructure.



SECTION AT ABUTMENTS

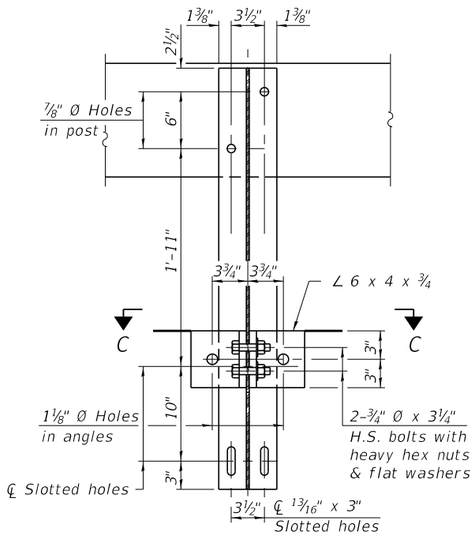


DETAIL A

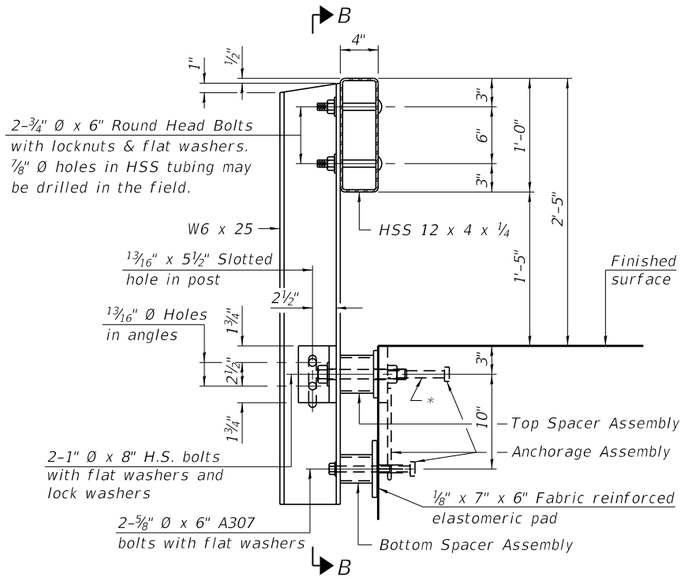


SECTION THRU ABUTMENT

FILE NAME = 220211-sht-bridge.dgn	USER NAME = gmetcalf	DESIGNED - T.J.B.	REVISED -	STATE OF ILLINOIS EDWARDS COUNTY HIGHWAY DEPARTMENT	SUPERSTRUCTURE DETAILS STRUCTURE NO. 024-3148	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP: 184.000959		CHECKED - T.J.B.	REVISED -			229	21-07106-00-BR	EDWARDS	30	9
	PLOT SCALE =	DRAWN - G.D.M.	REVISED -			ROAD DISTRICT NO. 7		CONTRACT NO. 95963		
	PLOT DATE = 5/22/2024	CHECKED - S.W.M.	REVISED -		SHEET NO. 5 OF 10 SHEETS			ILLINOIS	FED. AID PROJECT J6FW(887)	

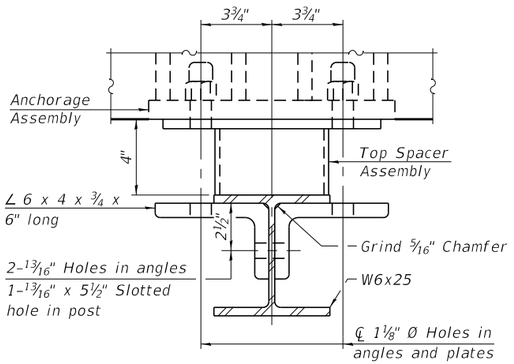


SECTION B-B

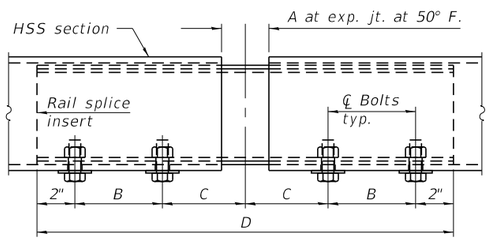


SECTION AT RAILING POST

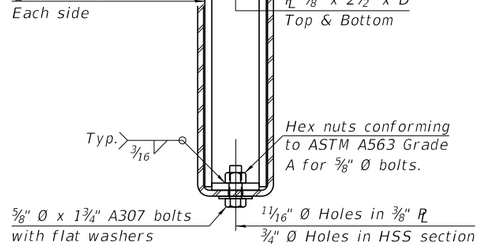
* *The outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchorage assembly. The anchorage studs may be bent down ½" to accommodate the top reinforcement bar placement.*



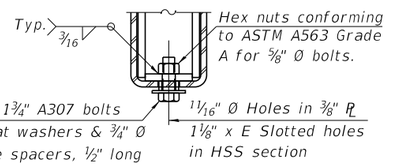
SECTION C-C



RAIL SPLICE ELEVATION



SECTION AT RAIL SPLICE



RAIL SPLICE CONNECTION AT EXPANSION JT.

SPLICE DIMENSIONS

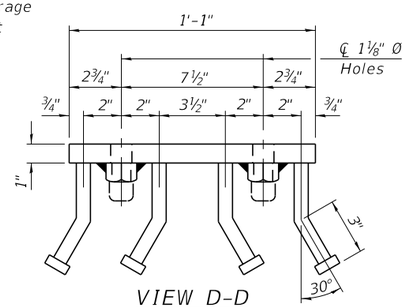
Location	T	A	B	C	D	E
All locs. not over exp. jts.	0	¼"	4"	4"	1'-8"	-
Over Strip Seal Jt.	≤4"	2½"	4⅝"	4⅜"	1'-10"	3 1⁄16"
Over Finger or Modular Jt.	≤9½"	5½"	7⅜"	7¼"	2'-9¼"	5 13⁄16"
Over Finger or Modular Jt.	≤15"	8¼"	10⅛"	10"	3'-8¼"	8 9⁄16"

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

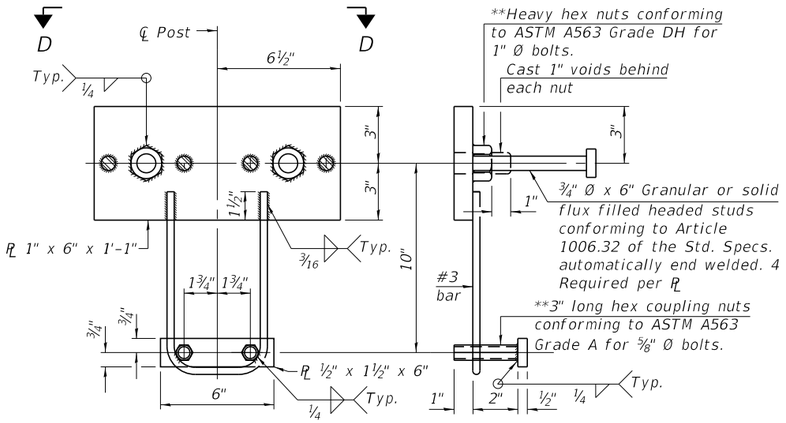
RAILING CRITERIA

NCHRP 350 Test Level	2
Railing Weight (plf)	50
Max Post Spacing	10'-9"
HMA thickness range (in)	1¼ - 3⅛

R-23A 10-12-2021

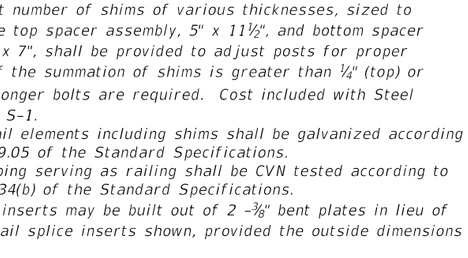


VIEW D-D



ANCHORAGE ASSEMBLY

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



END OF RAIL DETAILS

Notes:

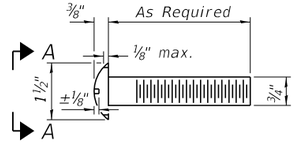
A sufficient number of shims of various thicknesses, sized to fit behind the top spacer assembly, 5" x 11½", and bottom spacer assembly, 6" x 7", shall be provided to adjust posts for proper alignment. If the summation of shims is greater than ¼" (top) or ½" (bottom), longer bolts are required. Cost 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.

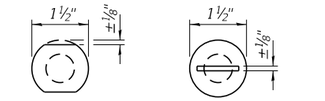
All HSS tubing serving as railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

Rail splice inserts may be built out of 2 -⅜" bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched.

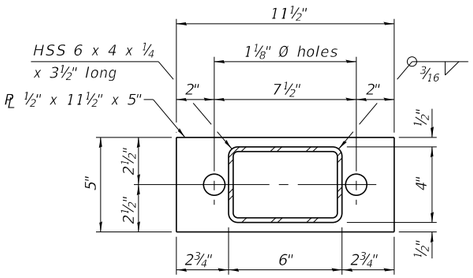
All round head bolts shall be ASTM A307 with locknuts according to ASTM A563 grade A.



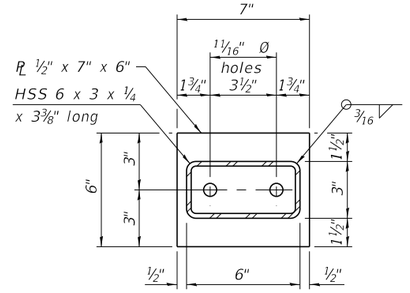
ROUND HEAD BOLT DETAIL



VIEW A-A



TOP SPACER ASSEMBLY



BOTTOM SPACER ASSEMBLY

BILL OF MATERIAL

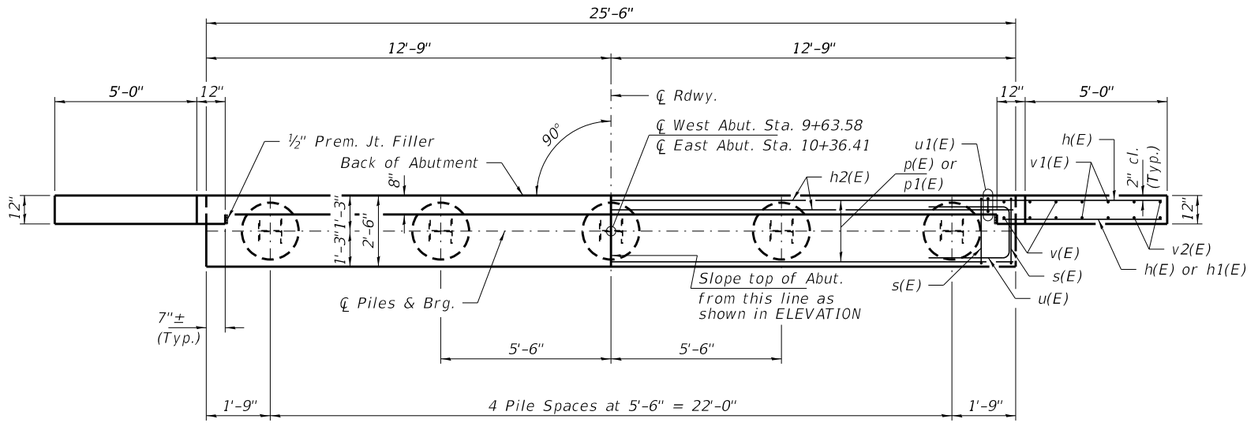
Item	Unit	Quantity
Steel Railing, Type S-1	Foot	144

FILE NAME = 220211-shl-bridge.dgn	USER NAME = gmetcalf	DESIGNED - T.J.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - T.J.B.	REVISED -
	PLOT SCALE =	DRAWN - G.D.M.	REVISED -
	PLOT DATE = 5/22/2024	CHECKED - S.W.M.	REVISED -

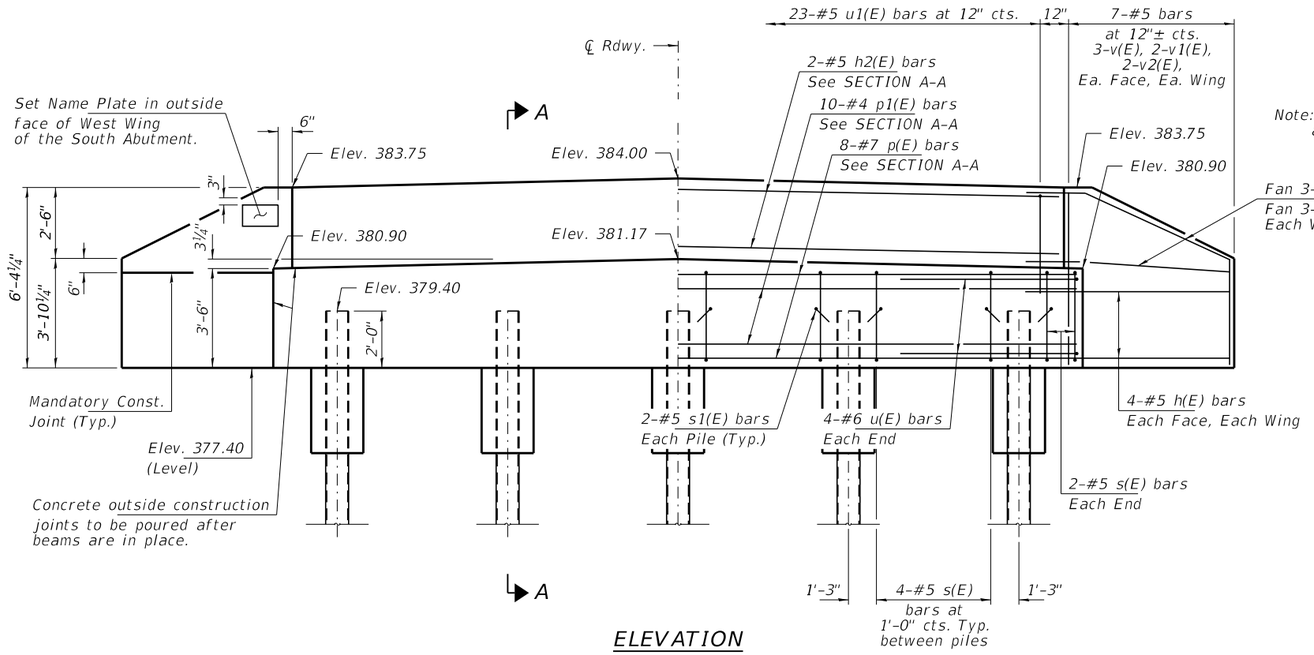
STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

STEEL RAILING, TYPE S-1
STRUCTURE NO. 024-3148
SHEET NO. 6 OF 10 SHEETS

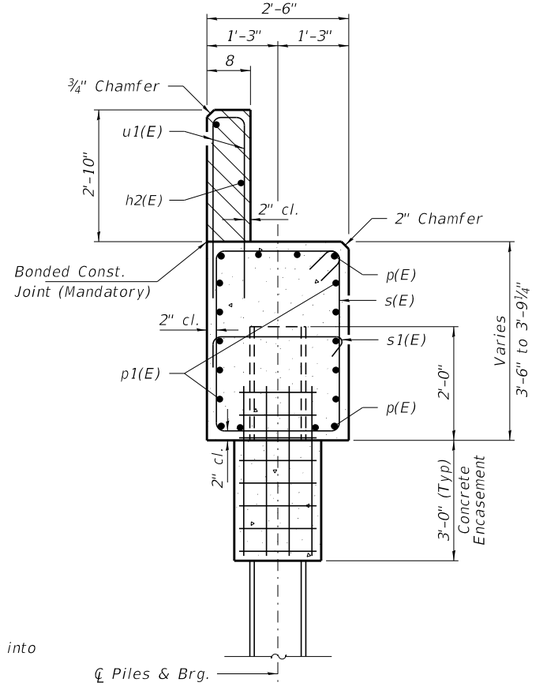
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07106-00-BR	EDWARDS	30	10
ROAD DISTRICT NO. 7		CONTRACT NO. 95963		
	ILLINOIS	FED. AID PROJECT J6FW(887)		



PLAN



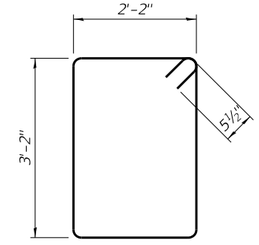
ELEVATION



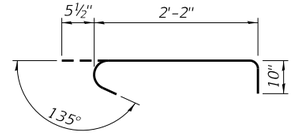
SECTION A-A

Hatched area to be poured after beams are in place.

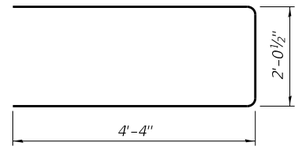
Cast top of wingwall flush with exterior beam face after beams have been erected.



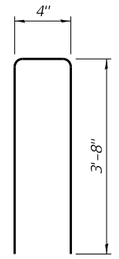
BAR s(E)



BAR s1(E)



BAR u(E)



BAR u1(E)

BILL OF MATERIAL - 2 ABUTS.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	44	#5	7'-3"	
h1(E)	12	#5	5'-9"	
h2(E)	4	#5	25'-2"	
p(E)	16	#7	25'-2"	
p1(E)	20	#4	25'-2"	
s(E)	40	#5	11'-7"	
s1(E)	20	#5	3'-6"	
u(E)	16	#6	10'-9"	
u1(E)	46	#5	7'-8"	
v(E)	24	#5	5'-5"	
v1(E)	16	#5	4'-6"	
v2(E)	16	#5	3'-7"	
Concrete Structures			Cu. Yd.	25.0
Concrete Encasement			Cu. Yd.	3.4
Reinforcement Bars, Epoxy Coated			Pound	3,120
Furnishing Steel Piles HP10x42			Foot	400
Name Plates			Each	1

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: _____ 10
No. Test Piles: _____ 0

Notes: One test pile shall be driven in a permanent location at the South Abutment.

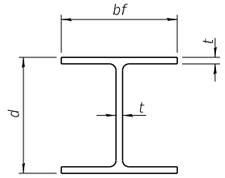
The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

FILE NAME = 222021-sh1-bridge.dgn	USER NAME = gmetcalf	DESIGNED - T.J.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - T.J.B.	REVISED -
	PLOT SCALE =	DRAWN - G.D.M.	REVISED -
	PLOT DATE = 5/22/2024	CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

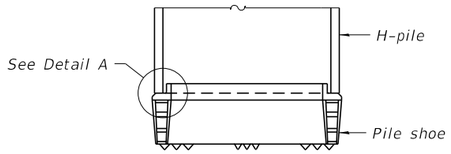
ABUTMENTS
STRUCTURE NO. 024-3148
SHEET NO. 7 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07106-00-BR	EDWARDS	30	11
ROAD DISTRICT NO. 7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			

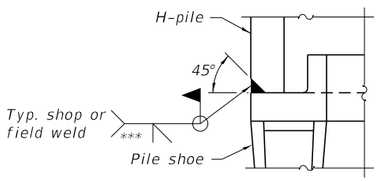


STEEL PILE TABLE

Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14¼"	14⅞"	13/16"	30"
x102	14"	14¾"	1 1/16"	30"
x89	13⅞"	14¾"	⅝"	30"
x73	13⅝"	14⅝"	½"	30"
HP 12x84	12¼"	12¼"	1 1/16"	24"
x74	12⅛"	12¼"	⅝"	24"
x63	12"	12⅛"	½"	24"
x53	11¾"	12"	7/16"	24"
HP 10x57	10"	10¼"	9/16"	24"
x42	9¾"	10⅛"	7/16"	24"
HP 8x36	8"	8⅛"	7/16"	18"



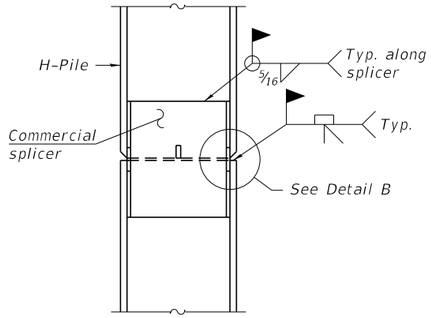
ELEVATION



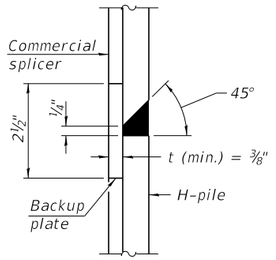
DETAIL A

SHOE ATTACHMENT

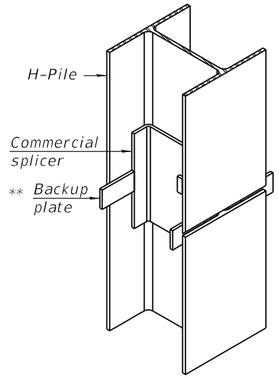
Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.



ELEVATION

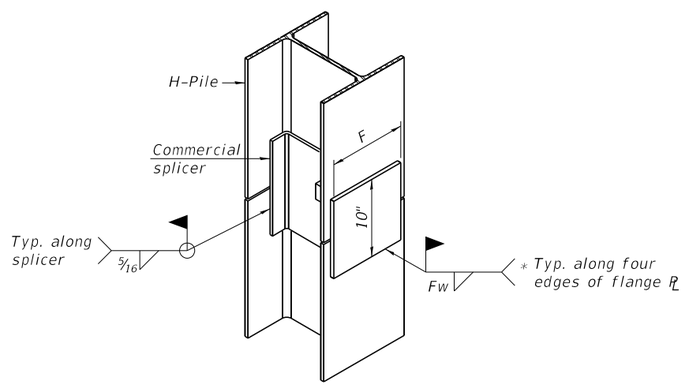


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



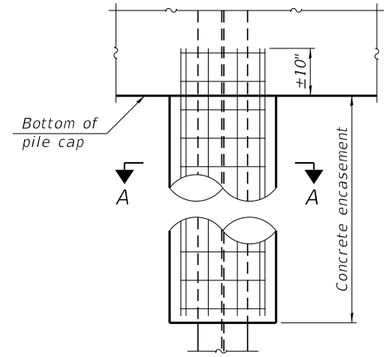
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

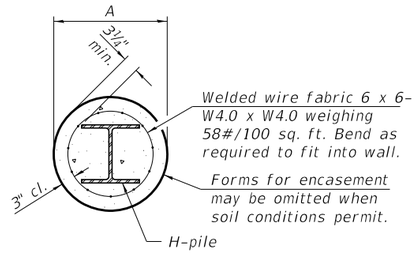
* Interrupt welds ¼" from end of web and/or each flange.

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

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



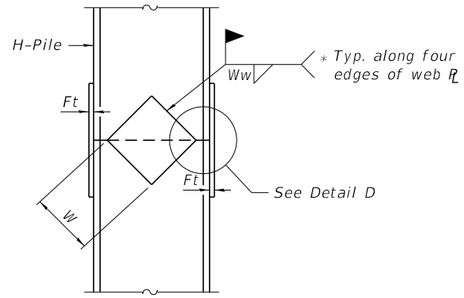
ELEVATION



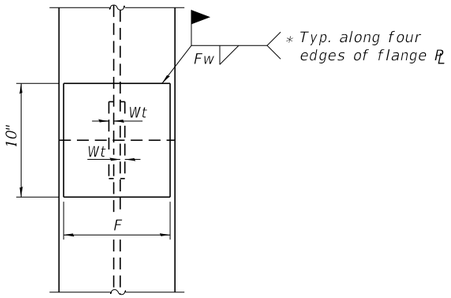
SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT

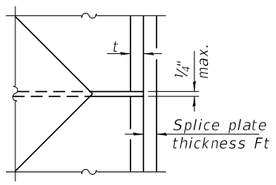
(when specified)



ELEVATION



END VIEW



DETAIL D

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12½"	1"	⅞"	7¾"	⅝"	½"
x102	12½"	⅞"	¾"	7¾"	⅝"	½"
x89	12½"	¾"	1 1/16"	7¾"	⅝"	½"
x73	12½"	⅝"	9/16"	7¾"	⅝"	½"
HP 12x84	10"	⅞"	1 1/16"	6½"	⅝"	½"
x74	10"	⅞"	1 1/16"	6½"	⅝"	½"
x63	10"	⅝"	½"	6½"	½"	⅜"
x53	10"	⅝"	½"	6½"	½"	⅜"
HP 10x57	8"	¾"	9/16"	5¼"	½"	⅜"
x42	8"	⅝"	9/16"	5¼"	½"	⅜"
HP 8x36	7"	⅝"	7/16"	4¼"	½"	⅜"

WELDED PLATE FIELD SPLICE

F-HP 2-1-2023

FILE NAME = 220211-shl-bridge.dgn	USER NAME = gmetcalf	DESIGNED - T.J.B.	REVISED -	STATE OF ILLINOIS EDWARDS COUNTY HIGHWAY DEPARTMENT	HP PILE DETAILS STRUCTURE NO. 024-3148
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - T.J.B.	REVISED -		SHEET NO. 8 OF 10 SHEETS
	PLOT SCALE =	DRAWN - G.D.M.	REVISED -		
	PLOT DATE = 5/22/2024	CHECKED - S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07106-00-BR	EDWARDS	30	12
ROAD DISTRICT NO. 7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			

NOBLE							BORING No. B-1	water level reading		
ENGINEERING CONSULTANTS				County: Edwards, IL			Sheet No. 1 of 2	1st encounter: 27'		
Client: HLR				Weather: Sunny			Temperature: 80's	water level reading		
Driller: Noble Engineering Consultants				Date Started: 6-20-22			Surface Elevation: ~99'** (381.8)	At completion		Dry cave
Location: Sec. #21-07106-00-BR				Date Finished: 6-20-22			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							0.0'-0.4' gravel			98
2	SS-1	1.0'-2.5'	5	9-3-2	70	-				97 (379.8)
3										96
4	SS-2	3.5'-5.0'	14	5-5-9	70	-	0.4'-8.2' Silt, Clay, Sand, Etc. FILL			95 (377.8)
5										94
6	SS-3	6.0'-7.5'	8	2-3-5	50	-				93 (375.8)
7										92
8										91
9	SS-4	8.5'-10.0'	5	1-2-3	90	0.5	8.2'-12.0' CLAYEY SILT, trace to some sand, trace gravel, medium stiff, gray mottled brown	17.2	CL-ML	90 (372.8)
10										89
11										88
12										87
13										86
14	SS-5	13.5'-15.0'	14	3-6-8	100	1.4		18.2	CL	85 (367.8)
15										84
16										83
17										82
18										81
19	SS-6	18.5'-20.0'	15	4-7-8	100	1.5	12.0'-27.0' SILTY CLAY, trace to some sand, trace gravel, stiff, gray mottled brown	17.4	CL	80 (362.8)
20										79
21										78
22										77
23										76
24	SS-7	23.5'-25.0	10	3-5-5	80	1.4		19.4	CL	75 (357.8)
25										74
26										73
27										72
28										71
29										70
30	SS-8	28.5'-30.0'	10	2-4-6	100	-	27.0'-30.9' SILTY FINE TO COARSE SAND, trace to some gravel, medium dense, saturated, gray	24.1	SM	69 (351.8)
Drilling Method: HSA (2-1/4" Id)				comments	* Qp test is an estimate of the unconfined compressive strength performed					
Depth: 0' to 43.1'					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'					

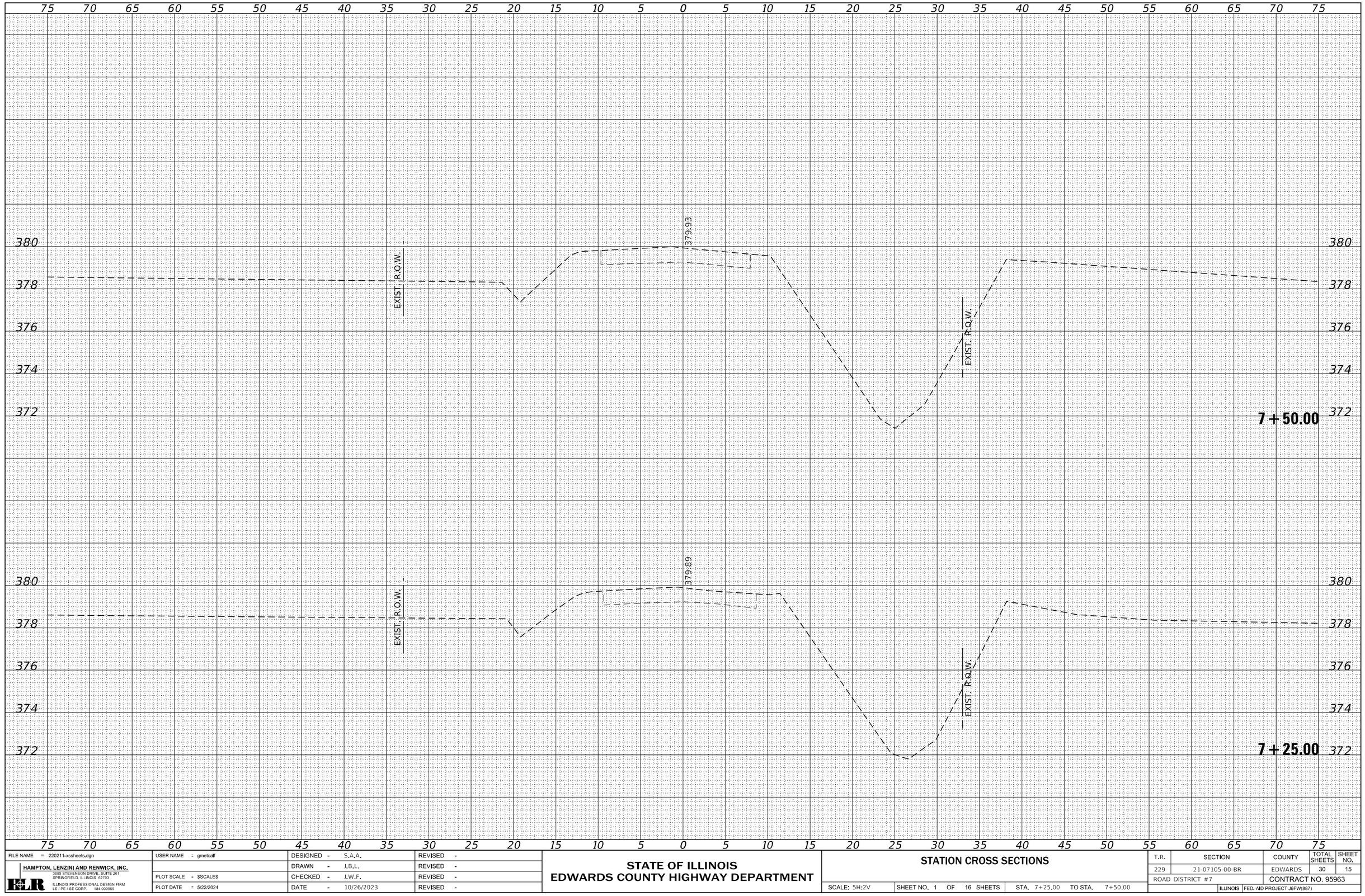
NOBLE							BORING No. B-1	water level reading		
ENGINEERING CONSULTANTS				County: Edwards, IL			Sheet No. 2 of 2	1st encounter: 27'		
Client: HLR				Weather: Sunny			Temperature: 80's	water level reading		
Driller: Noble Engineering Consultants				Date Started: 6-20-22			Surface Elevation: ~99'**	At completion		Dry Cave
Location: Sec. #21-07106-00-BR				Date Finished: 6-20-22			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										68
32										67
33										66
34	SS-9	33.5'-35.0'	14	4-6-8	90	-	27.0'-40.9' SILTY FINE TO COARSE SAND, trace to some gravel, medium dense, saturated, gray	18.3	SM	65 (347.8)
35										64
36										63
37										62
38										61
39	SS-10	38.5'-40.0'	19	7-8-11	100	-				60 (342.8)
40							40.9'-43.1' WEATHERED SANDSTONE			59
41	SS-11	40.9'-43.4'	100+	100/2"	100	-				58 (340.8)
42										57
43										56
44							AR 43.1'			55
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 43.1'					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'					

BORING-1

NOBLE							BORING No. B-2	water level reading		
ENGINEERING CONSULTANTS				County: Edwards, IL			Sheet No. 1 of 2	1st encounter: 26'		
Client: HLR				Weather: Sunny			Temperature: 80's	water level reading		
Driller: Noble Engineering Consultants				Date Started: 6-20-22			Surface Elevation: ~99'** (381.8)	At completion		Dry cave
Location: Sec. #21-07106-00-BR				Date Finished: 6-20-22			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							0.0'-0.4' gravel			98
2	SS-1	1.0'-2.5'	8	4-3-5	80	-				97 (379.8)
3										96
4	SS-2	3.5'-5.0'	11	4-7-4	70	-	0.4'-7.3' Silt, Clay, Sand, Etc. FILL			95 (377.8)
5										94
6	SS-3	6.0'-7.5'	6	2-4-2	80	-				93 (375.8)
7										92
8										91
9	SS-4	8.5'-10.0'	6	2-3-3	100	0.5	7.3'-11.0' CLAYEY SILT, trace to some sand, trace gravel, medium stiff, gray mottled brown	19.5	CL-ML	90 (372.8)
10										89
11										88
12										87
13										86
14	SS-5	13.5'-15.0'	12	4-5-7	100	1.3		17.7	CL	85 (367.8)
15										84
16										83
17										82
18										81
19	SS-6	18.5'-20.0'	17	4-8-9	100	1.6	11.0'-26.0' SILTY CLAY, trace to some sand, trace gravel, stiff, gray mottled brown	15.9	CL	80 (362.8)
20										79
21										78
22										77
23										76
24	SS-7	23.5'-25.0	11	3-5-6	100	1.4		16.6	CL	75 (357.8)
25										74
26										73
27										72
28										71
29										70
30	SS-8	28.5'-30.0'	10	2-5-5	100	-	26.0'-41.8' SILTY FINE TO COARSE SAND, trace to some gravel, medium dense, saturated, gray	21.0	SM	69 (351.8)
Drilling Method: HSA (2-1/4" Id)				comments	* Qp test is an estimate of the unconfined compressive strength performed					
Depth: 0' to 43.9'					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'					

NOBLE							BORING No. B-2	water level reading		
ENGINEERING CONSULTANTS				County: Edwards, IL			Sheet No. 2 of 2	1st encounter: 26'		
Client: HLR				Weather: Sunny			Temperature: 80's	water level reading		
Driller: Noble Engineering Consultants				Date Started: 6-20-22			Surface Elevation: ~99'**	At completion		Dry Cave
Location: Sec. #21-07106-00-BR				Date Finished: 6-20-22			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										68
32										67
33										66
34	SS-9	33.5'-35.0'	16	4-7-9	90	-	26.0'-41.8' SILTY FINE TO COARSE SAND, trace to some gravel, medium dense, saturated, gray	20.8	SM	65 (347.8)
35										64
36										63
37										62
38										61
39	SS-10	38.5'-40.0'	17	5-8-9	100	-				60 (342.8)
40							41.8'-43.9' WEATHERED SANDSTONE			59
41										58
42										57
43	SS-11	43.2'-45.7'	100+	100/2"	100	-				56 (338.9)
44							AR 43.9'			55
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 43.9'					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'					

BORING-2



FINAL SURVEY

NO.	NOTE BOOK	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

ORIGINAL SURVEY

NO.	NOTE BOOK	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

FILE NAME = 220211-xssheets.dgn	USER NAME = gmetcalf	DESIGNED - S.A.A.	REVISED -
		DRAWN - J.B.L.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
	PLOT DATE = 5/22/2024	DATE - 10/26/2023	REVISED -

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

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 1 OF 16 SHEETS | STA. 7+25.00 TO STA. 7+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	15
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			

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

BY	DATE

IMPROVEMENT BEGINS

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

EXIST. R.O.W.

379.93 379.97 380.07 379.98 379.93 379.67 379.55

EXIST. R.O.W.

7 + 95.00

380 378 376 374 372

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

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

BY	DATE

EXIST. R.O.W.

379.97

EXIST. R.O.W.

7 + 75.00

380 378 376 374 372

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

FILE NAME = 220211-xssheets.dgn	USER NAME = gmetcalf	DESIGNED - S.A.A.	REVISED -
		DRAWN - J.B.L.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
	PLOT DATE = 5/22/2024	DATE - 10/26/2023	REVISED -

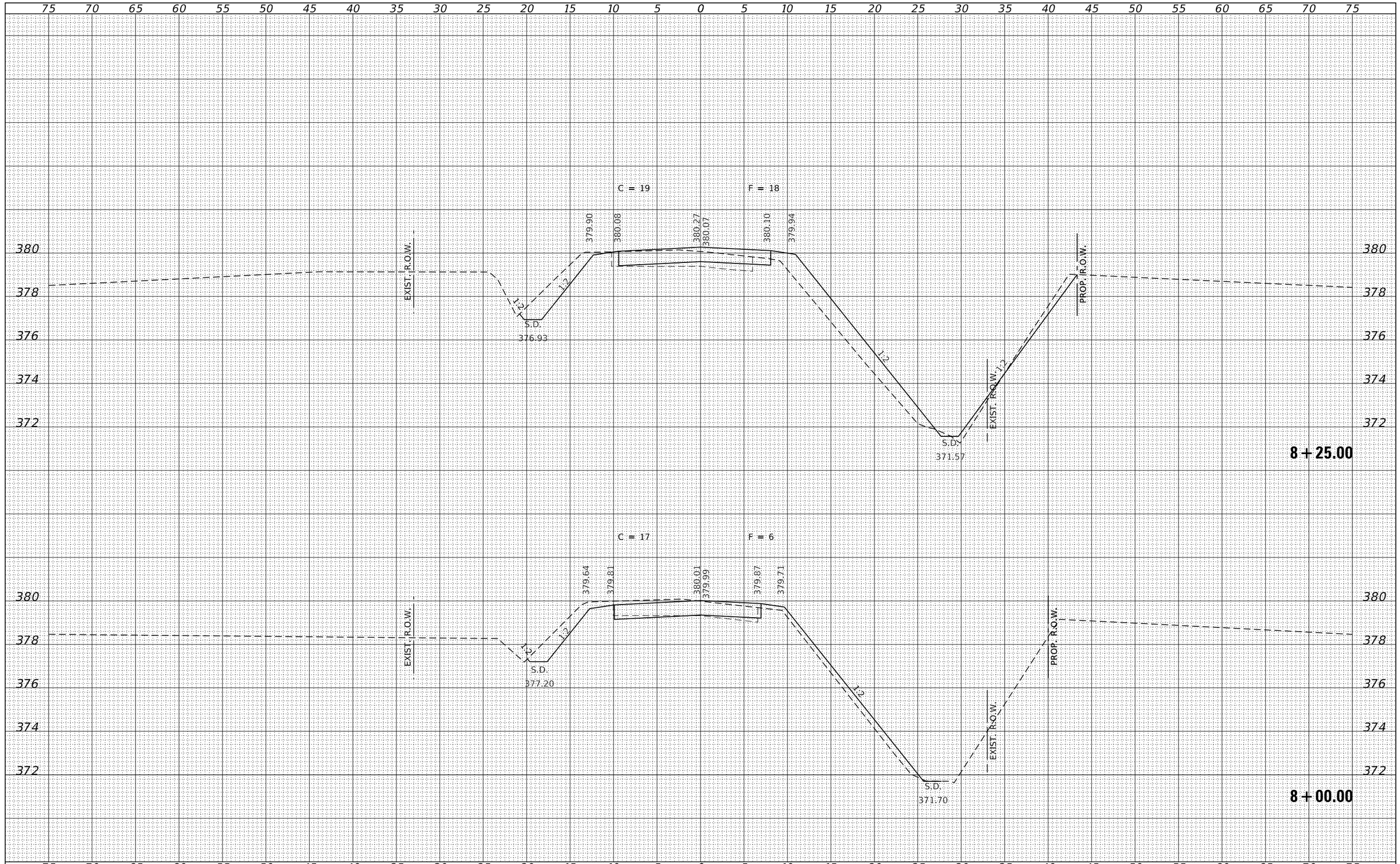
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 2 OF 16 SHEETS | STA. 7+75.00 TO STA. 7+95.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	16
ROAD DISTRICT #7		CONTRACT NO. 95963		
	ILLINOIS	FED. AID PROJECT J6FW(887)		



FINAL SURVEY

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

ORIGINAL SURVEY

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

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		CHECKED - J.W.F.	REVISED -
PLOT SCALE = $SCALE$			
PLOT DATE = 5/22/2024		DATE - 10/26/2023	REVISED -

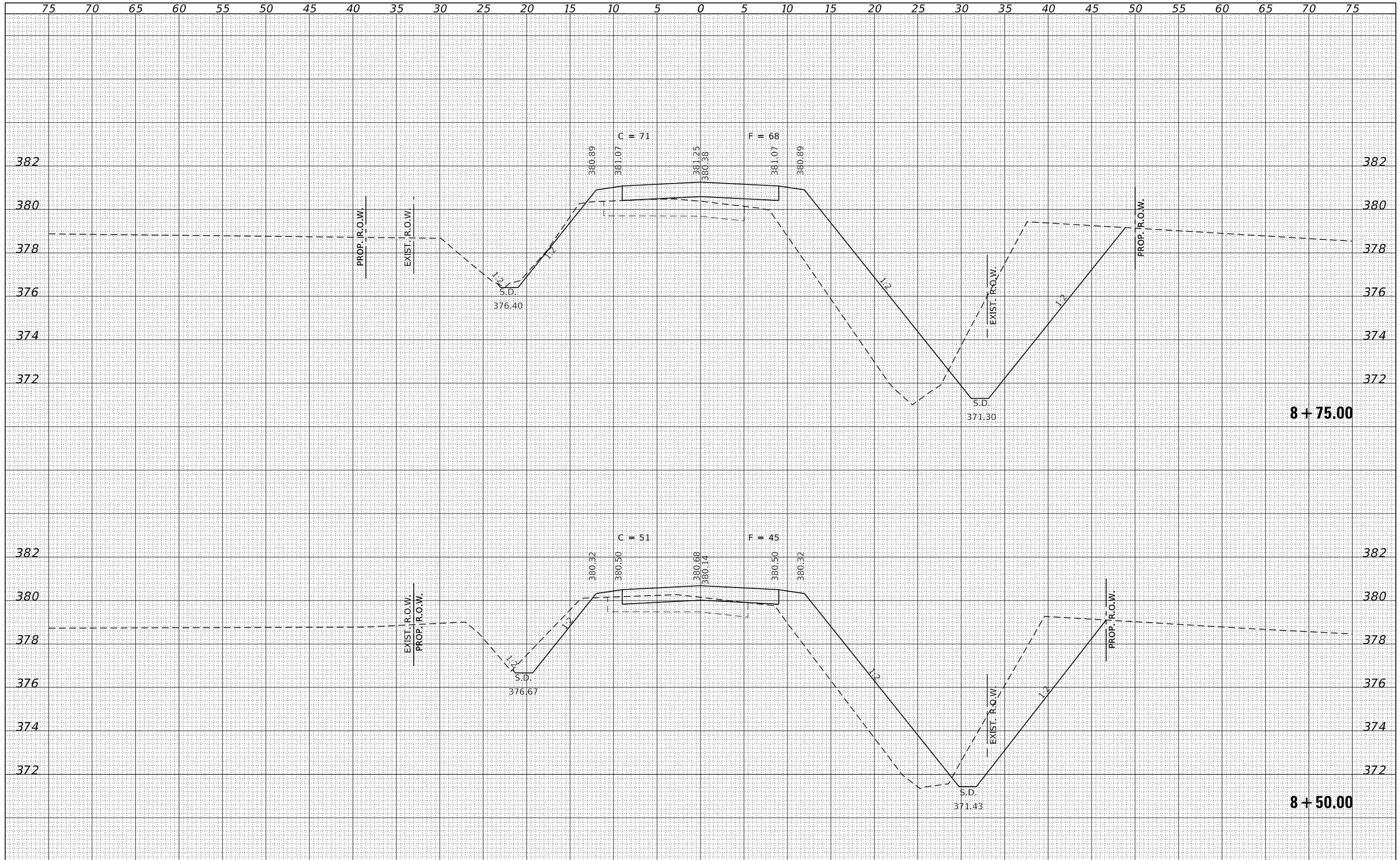
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 3 OF 16 SHEETS | STA. 8+00.00 TO STA. 8+25.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	17
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			



FINAL SURVEY

NOTE BOOK

NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY

NOTE BOOK

NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

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	PLOT DATE = 5/22/2024	DATE - 10/26/2023	REVISED -

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

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 4 OF 16 SHEETS | STA. 8+50.00 TO STA. 8+75.00

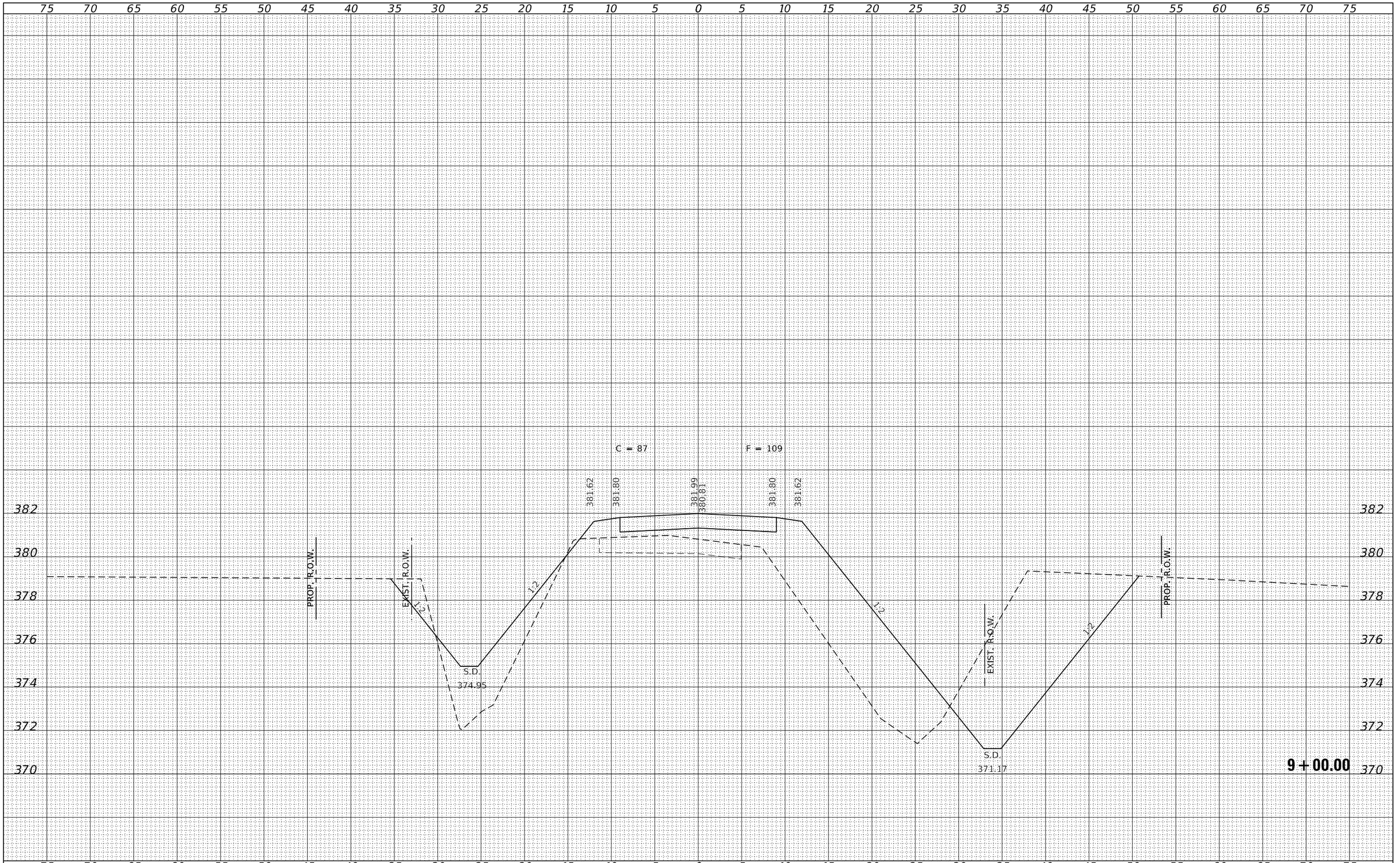
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	18
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			

FINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



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PLOT DATE = 5/22/2024		DATE - 10/26/2023	REVISED -

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

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

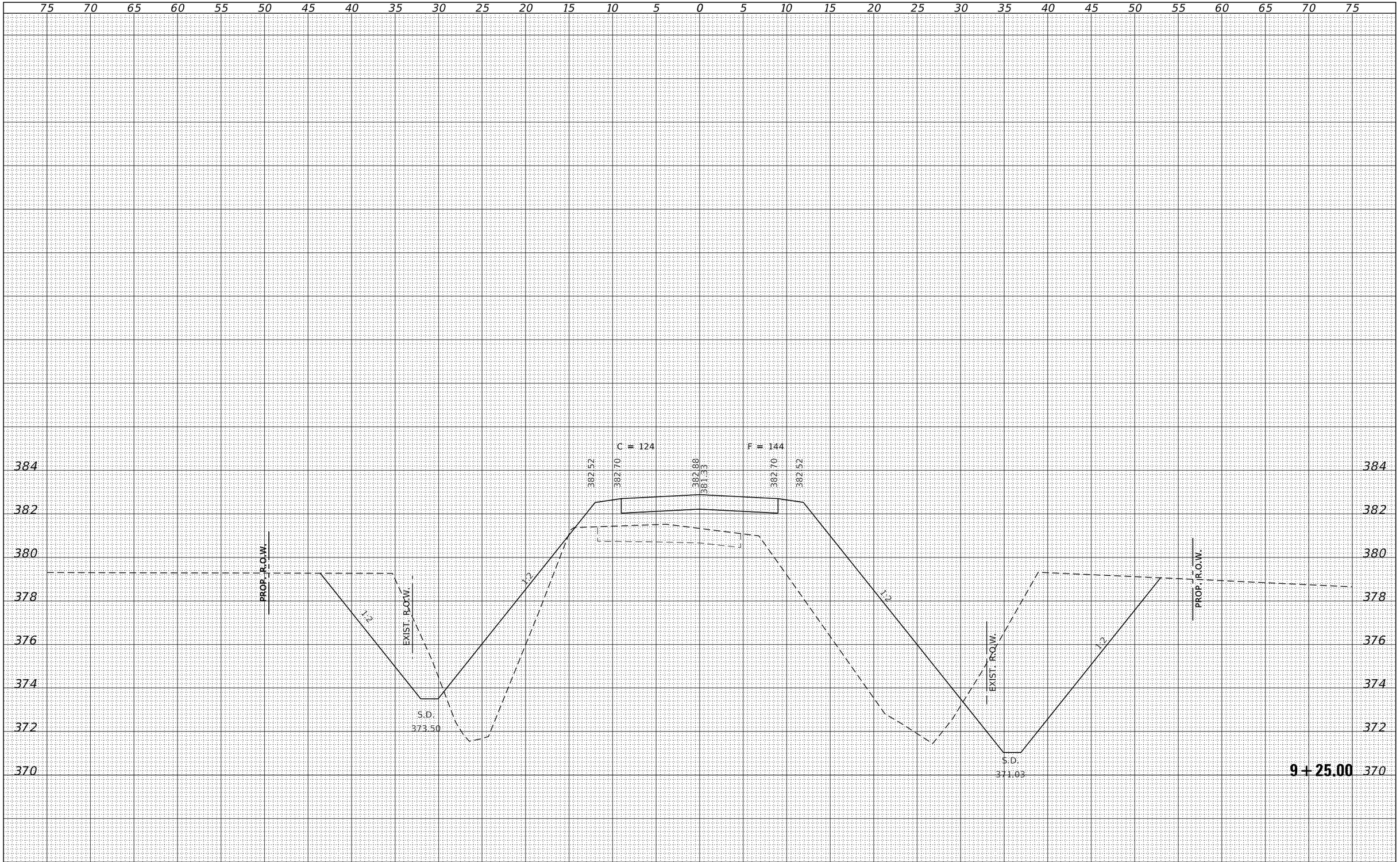
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 5 OF 16 SHEETS | STA. 9+00.00 | TO STA. 9+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	19
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			

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

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



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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - J.B.L.	REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 5/22/2024	DATE - 10/26/2023	REVISED -

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

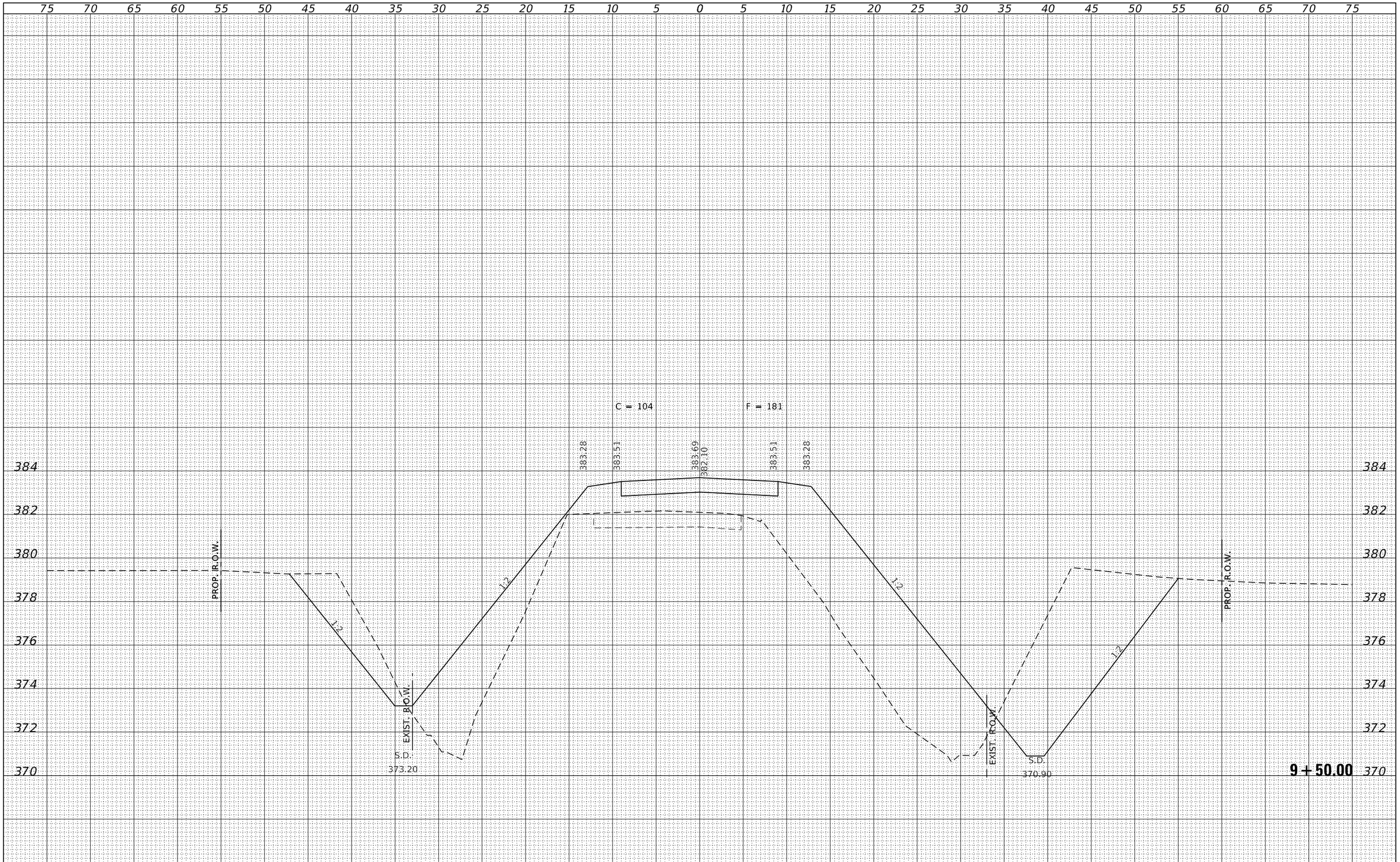
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 6 OF 16 SHEETS | STA. 9+25.00 TO STA. 9+25.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	20
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			

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

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



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PLOT DATE = 5/22/2024		DATE - 10/26/2023	REVISED -

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

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 7 OF 16 SHEETS | STA. 9+50.00 TO STA. 9+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	21
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			

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

BY	DATE

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

BY	DATE

9 + 62.33 BK. WEST ABUTMENT

AHEAD C = 0 F = 0

BACK C = 86 F = 173

C = 86 F = 173

383.55 383.79 383.96 382.40 383.79 383.55

384 382 380 378 376 374 372 370

PROP. R.O.W. 1:2 1:2 EXIST. R.O.W. 1:2 EXIST. R.O.W. 1:2 PROP. R.O.W.

S.D. 373.06 S.D. 370.84

9 + 62.00

FILE NAME = 220211-xssheets.dgn	USER NAME = gmetcalf	DESIGNED - S.A.A.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - J.B.L.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - J.W.F.	REVISED -
	PLOT DATE = 5/22/2024	DATE - 10/26/2023	REVISED -

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 8 OF 16 SHEETS | STA. 9+62.00 TO STA. 9+62.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	22
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J8FW(887)			

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

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

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

368

366

PROP. R.O.W.

EXIST. R.O.W.

368.26

CHANNEL EXCAVATION

STONE DUMPED RIPRAP CL A4

EXIST. R.O.W.

PROP. R.O.W.

368

366

10 + 00.00

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

FILE NAME = 220211-xssheets.dgn	USER NAME = gmetcalf	DESIGNED - S.A.A.	REVISED -
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HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 9 OF 16 SHEETS | STA. 9+75.00 TO STA. 10+00.00

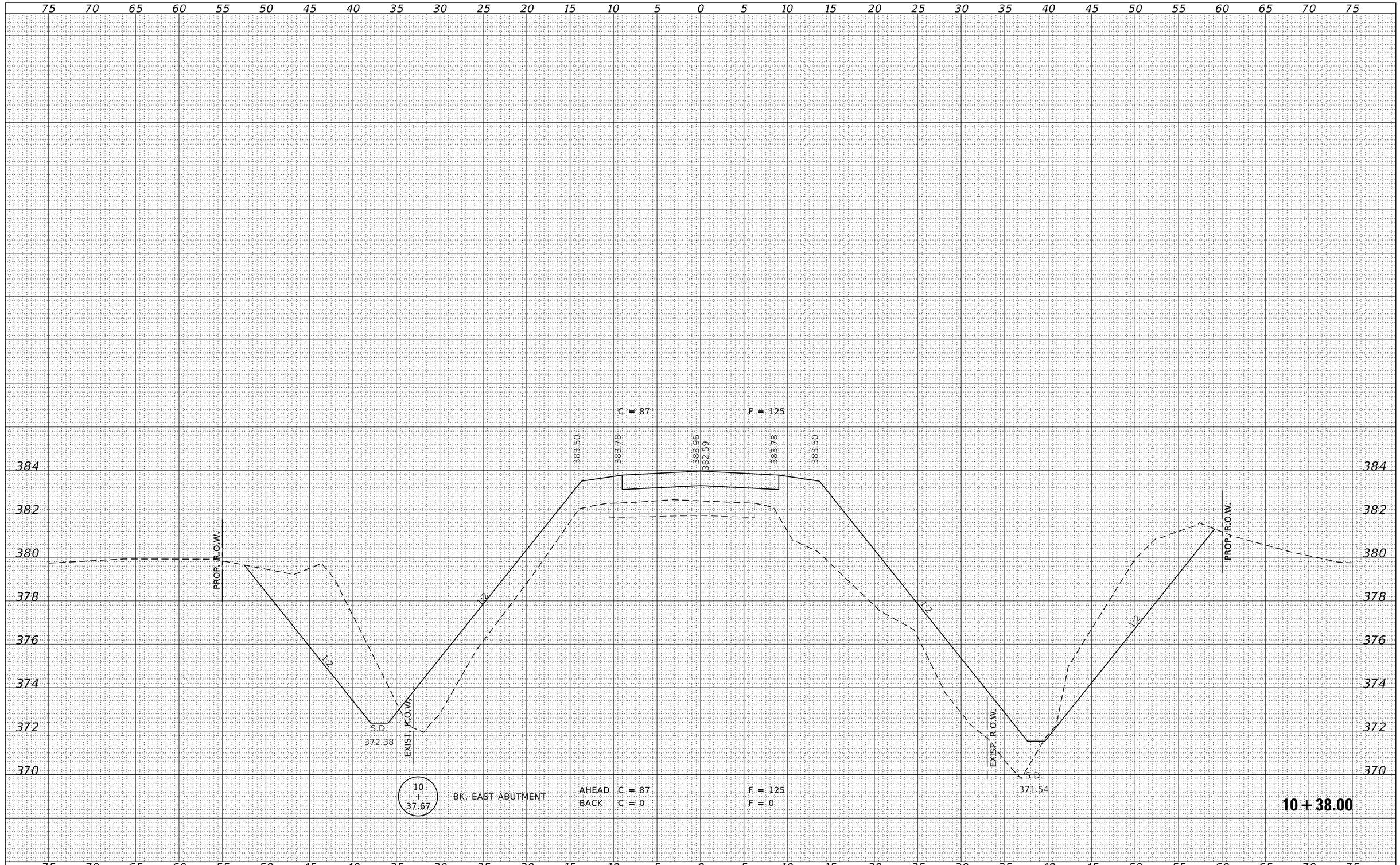
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	23
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			

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

BY	DATE

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

BY	DATE



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

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

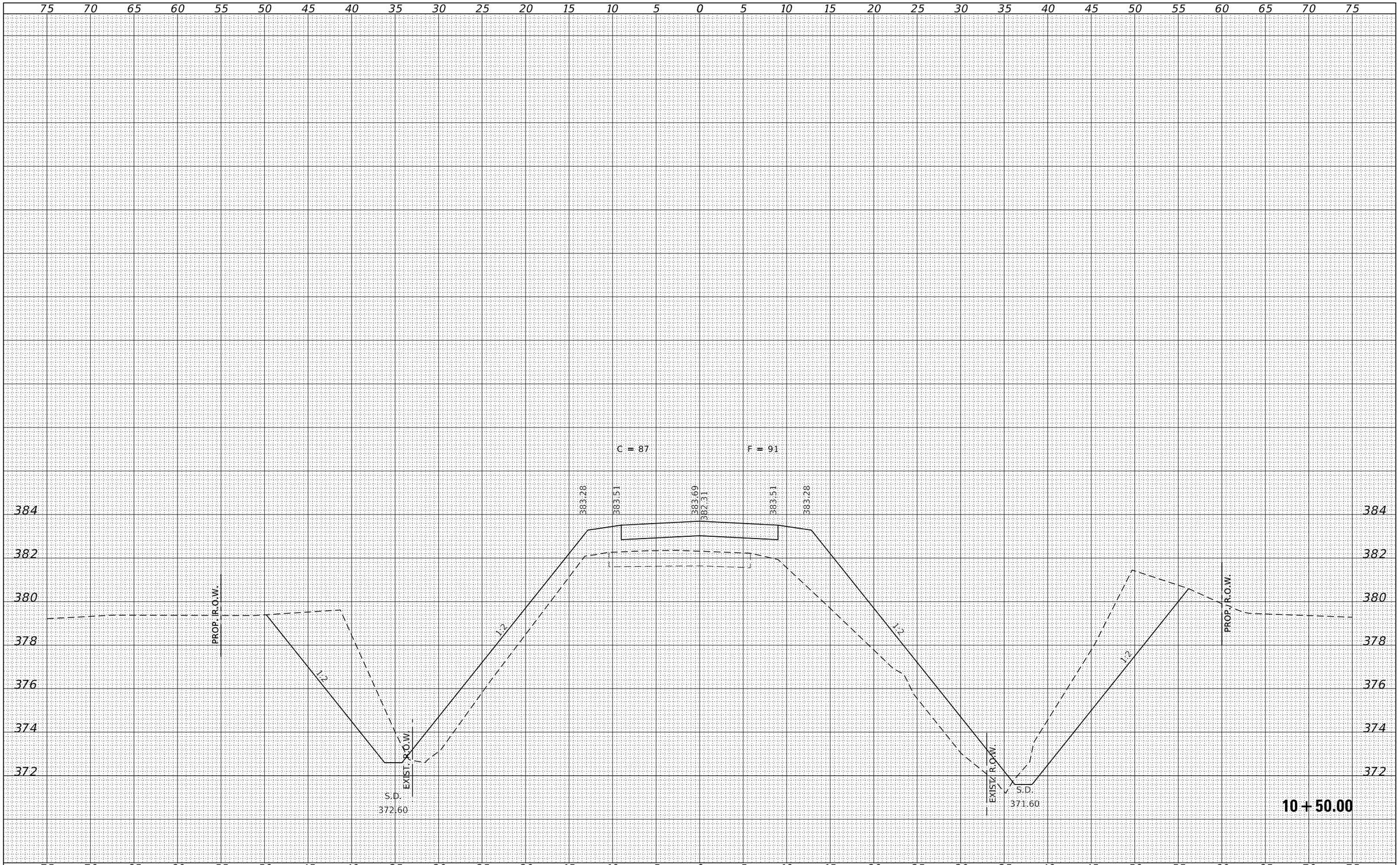
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 10 OF 16 SHEETS | STA. 10+38.00 TO STA. 10+38.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	24
ROAD DISTRICT #7		CONTRACT NO. 95963		
		ILLINOIS	FED. AID PROJECT J6FW(887)	

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

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



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PLOT DATE = 5/22/2024		DATE - 10/26/2023	REVISED -

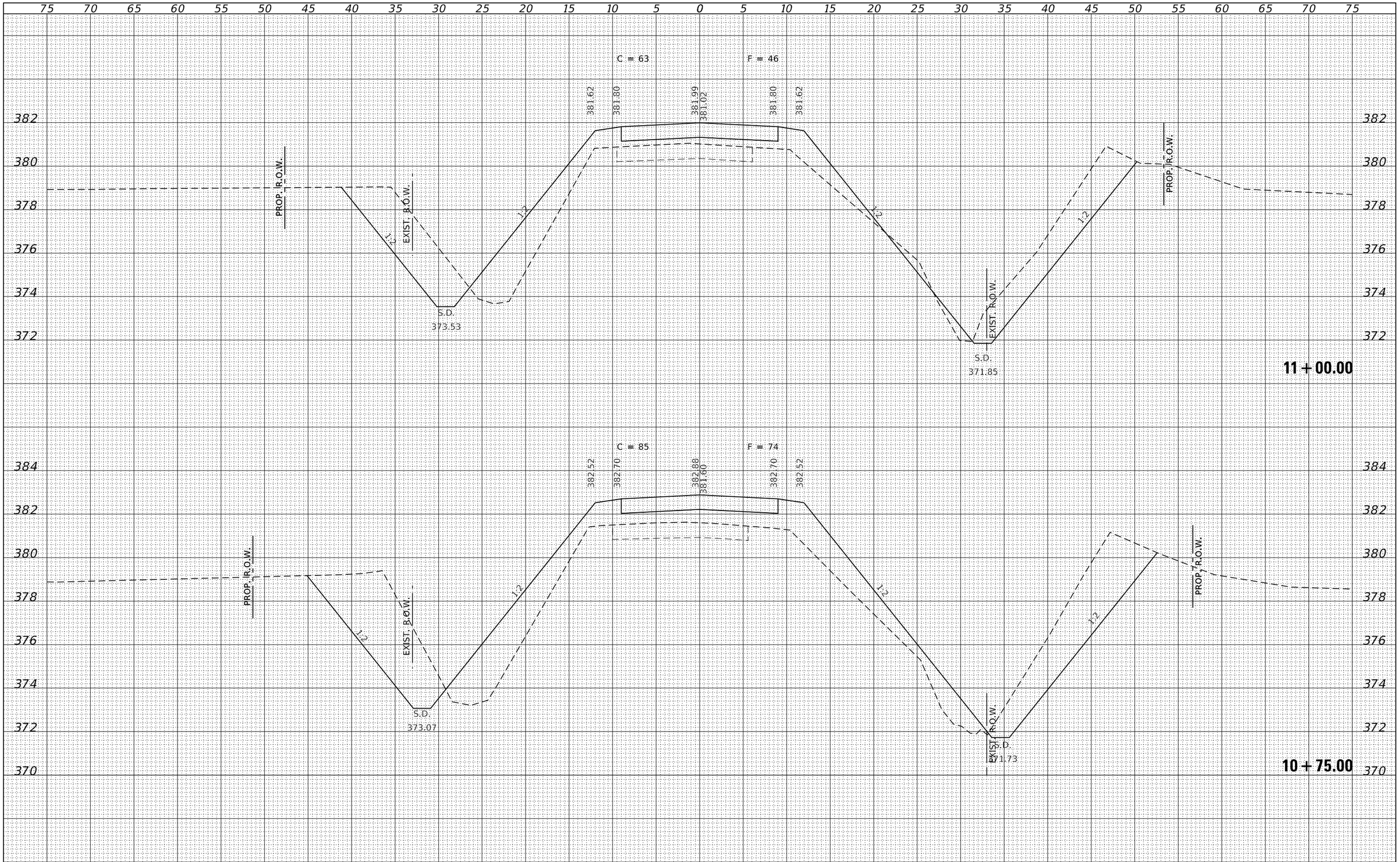
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 11 OF 16 SHEETS | STA. 10+50.00 TO STA. 10+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	25
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			



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

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

BY	DATE

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PLOT DATE = 5/22/2024

DESIGNED - S.A.A.
DRAWN - J.B.L.
CHECKED - J.W.F.
DATE - 10/26/2023

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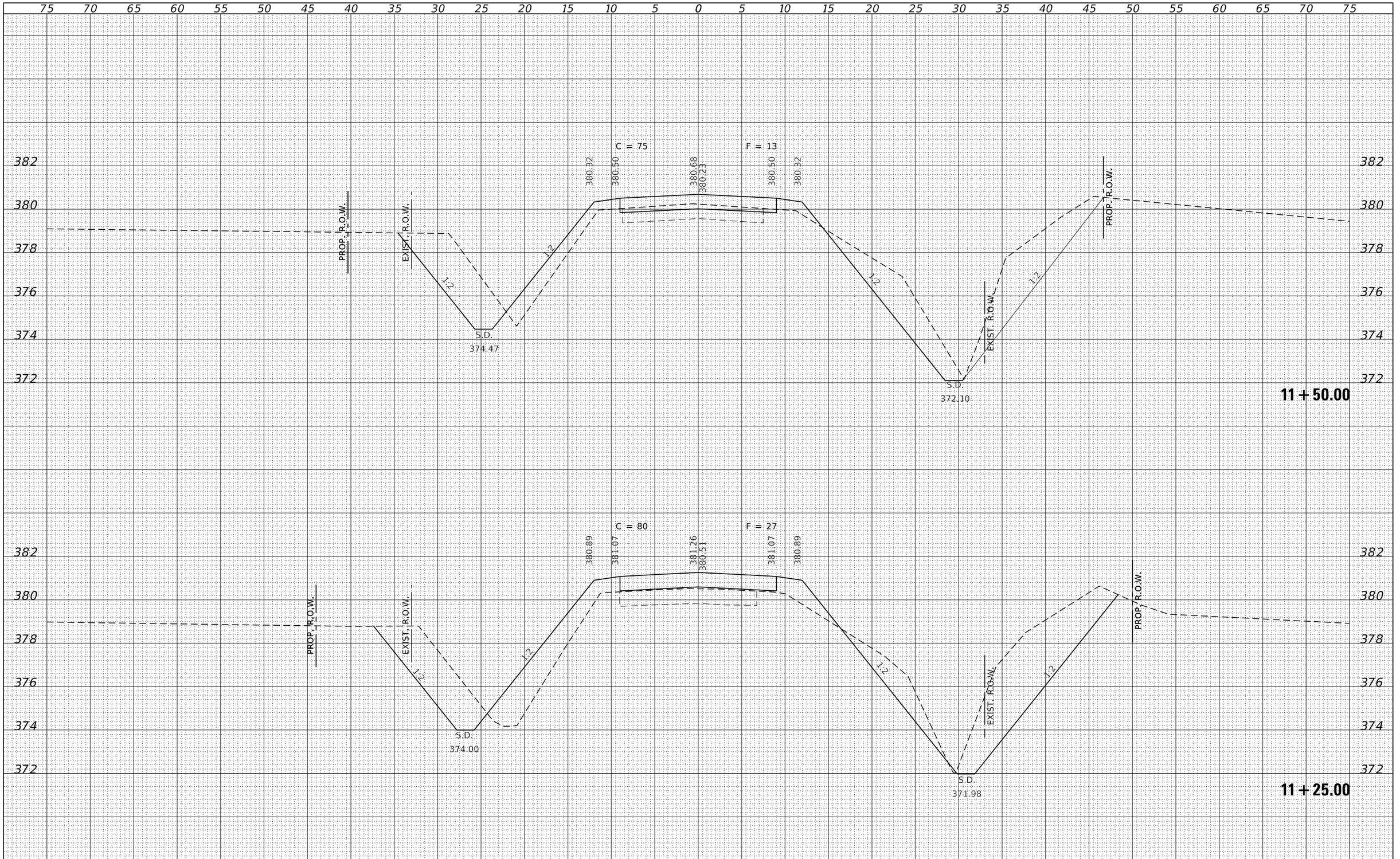
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 12 OF 16 SHEETS | STA. 10+75.00 TO STA. 11+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	26
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			



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

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

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PLOT SCALE = $SCALE$		CHECKED - J.W.F.	REVISED -
PLOT DATE = 5/22/2024		DATE - 10/26/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
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ILLINOIS PROFESSIONAL DESIGN FIRM
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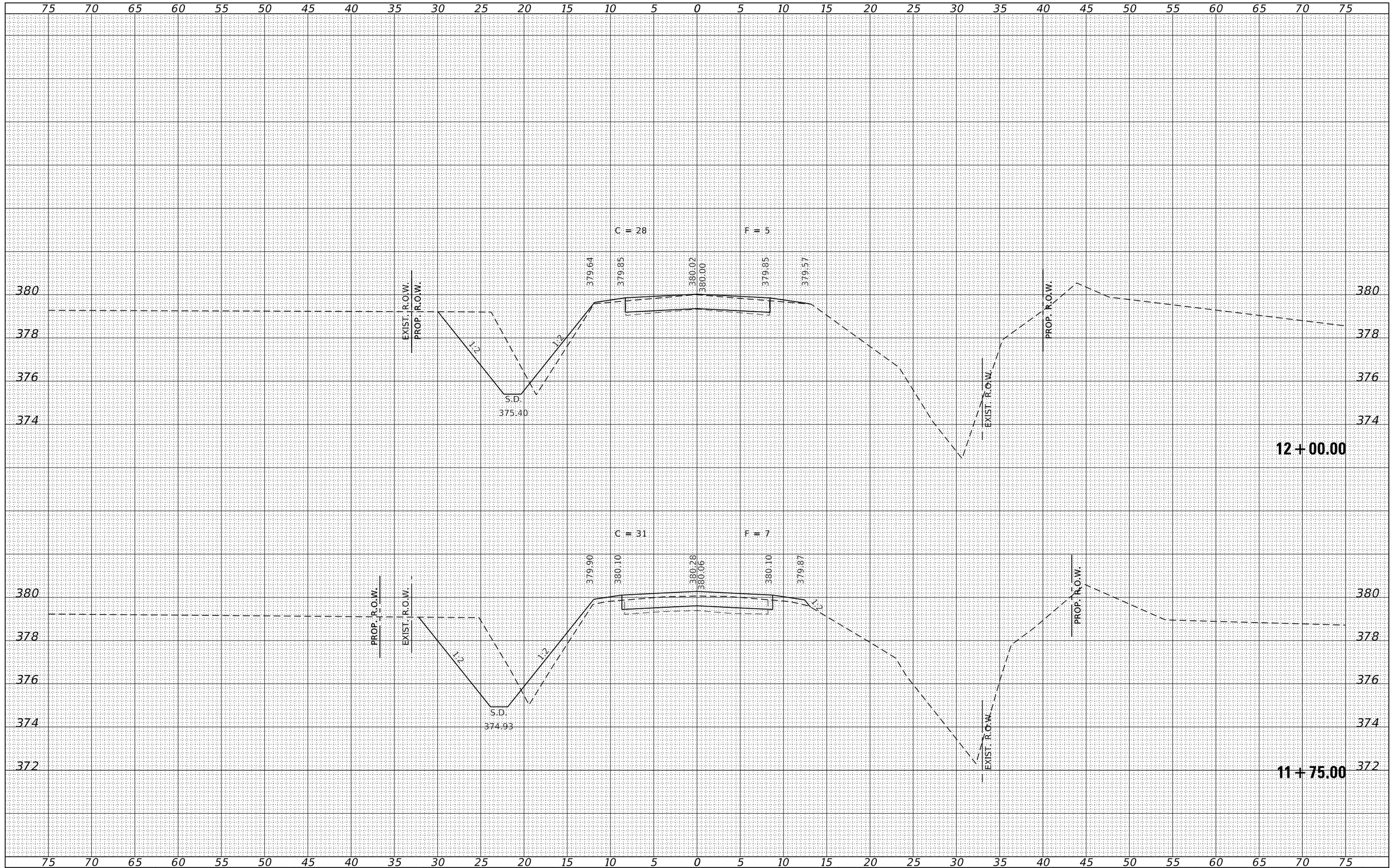
STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 13 OF 16 SHEETS | STA. 11+25.00 TO STA. 11+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	27
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			



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

BY	DATE

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

BY	DATE

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PLOT SCALE = $SCALE$		DATE - 10/26/2023	REVISED -
PLOT DATE = 5/22/2024			

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
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STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

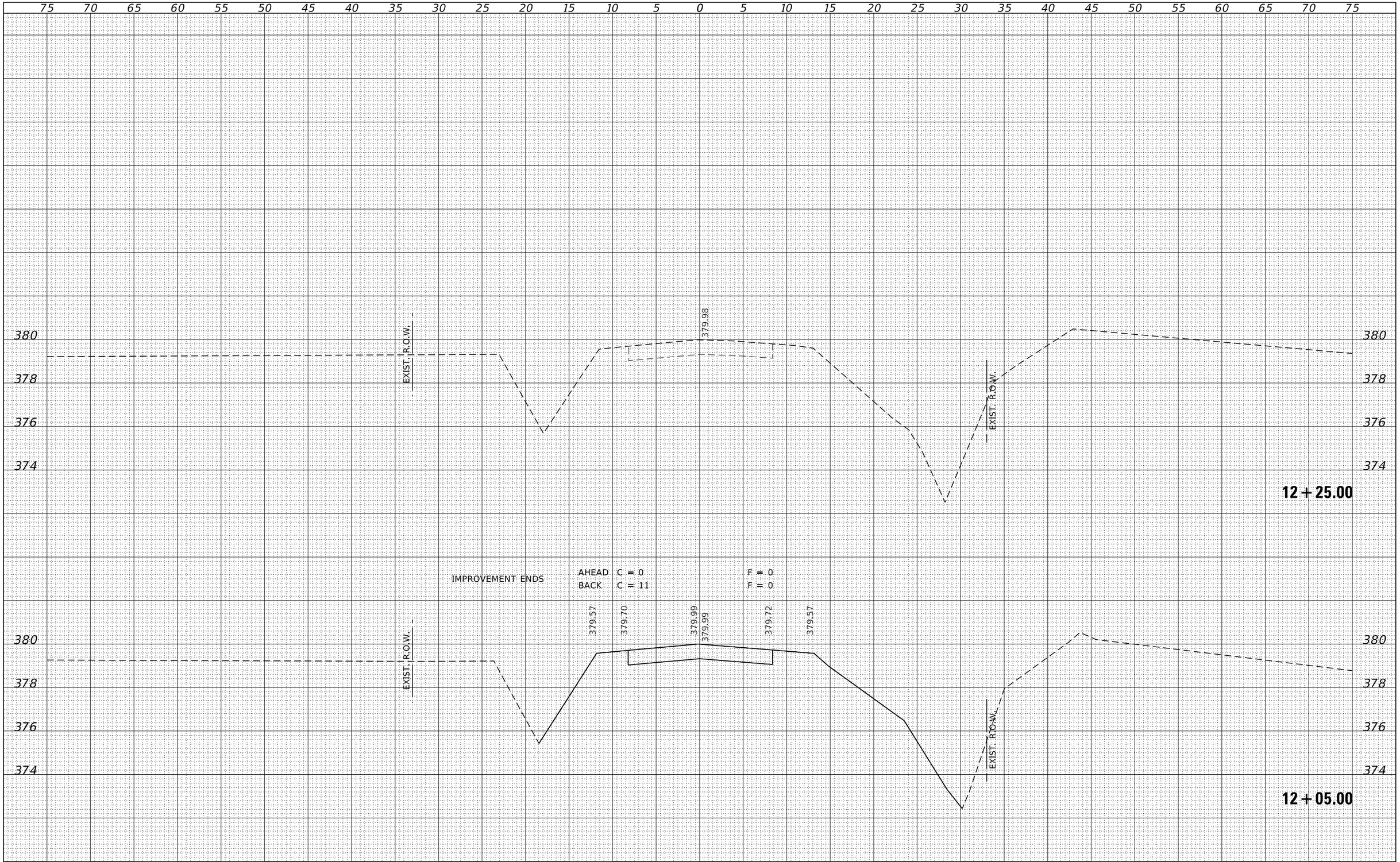
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 14 OF 16 SHEETS | STA. 11+75.00 TO STA. 12+00.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	28
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			

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

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



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HAMPTON, LENZINI AND RENWICK, INC.
5085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000659

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

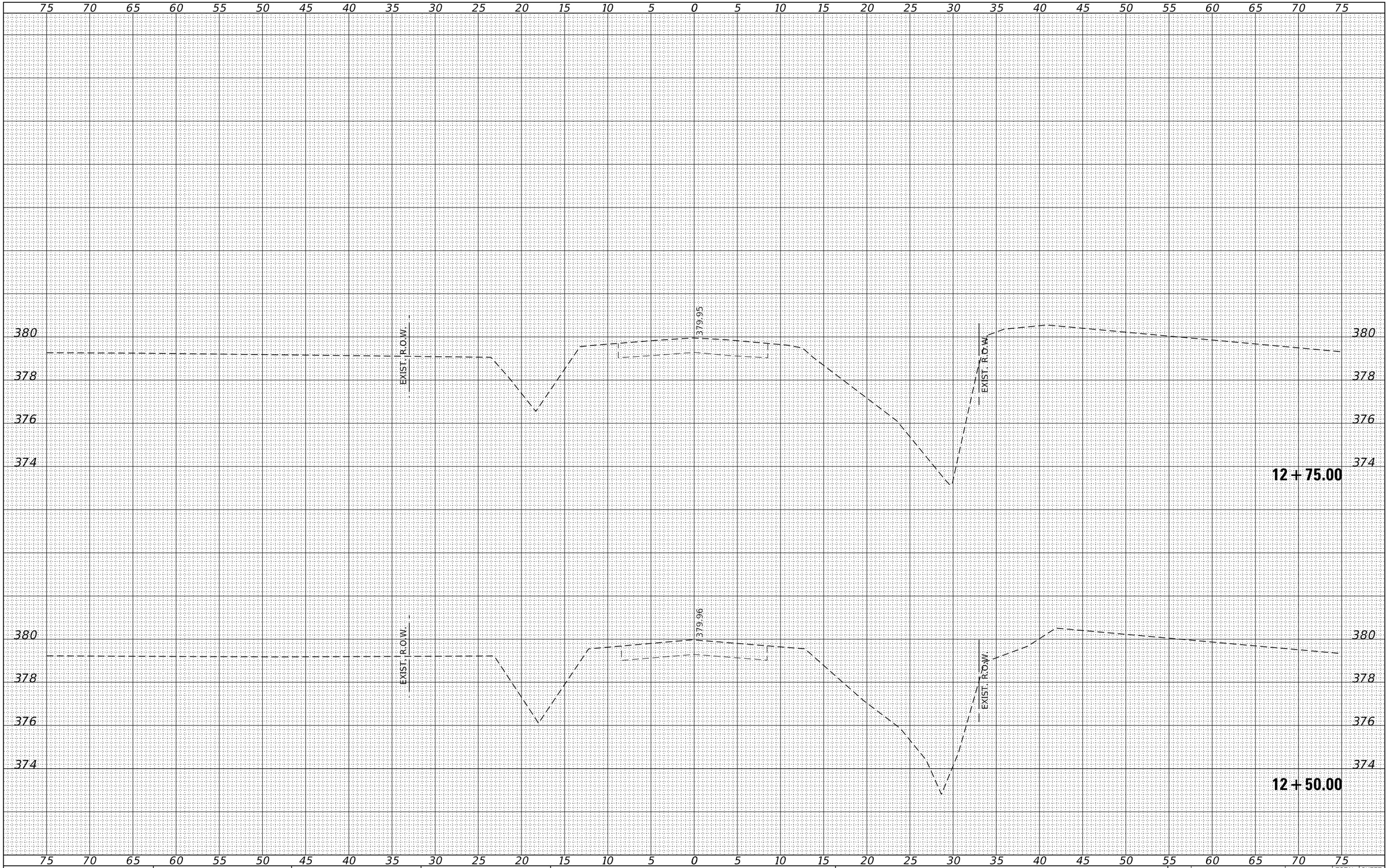
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 15 OF 16 SHEETS | STA. 12+05.00 TO STA. 12+25.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	29
ROAD DISTRICT #7		CONTRACT NO. 95963		
ILLINOIS	FED. AID PROJECT J6FW(887)			

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

BY	DATE



ORIGINAL SURVEY	NOTE BOOK	NO.
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	PLOTTED	
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	AREAS	
	AREAS CHECKED	

BY	DATE

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PLOT DATE = 5/22/2024

DESIGNED - S.A.A.
DRAWN - J.B.L.
CHECKED - J.W.F.
DATE - 10/26/2023

REVISED -
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HAMPTON, LENZINI AND RENWICK, INC.
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SPRINGFIELD, ILLINOIS 62703
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STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 16 OF 16 SHEETS | STA. 12+50.00 TO STA. 12+75.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
229	21-07105-00-BR	EDWARDS	30	30
ROAD DISTRICT #7		CONTRACT NO. 95963		
	ILLINOIS	FED. AID PROJECT J6FW(887)		