

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 185A	94-08111-00-BR	MOULTRIE	29	1
FED. ROAD DIST. NO.		ILLINOIS CONTRACT NO. 95882		

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	SUMMARY OF QUANTITIES AND GENERAL NOTES
3.	TYPICAL CROSS SECTIONS
4.	SUPERELEVATION TABLES
5.	PLAN AND PROFILE
6.	PROPOSED PLAN DETAILS
7-14.	BRIDGE PLANS
15.	BORINGS
16-29.	STATION CROSS SECTIONS

HIGHWAY STANDARDS:

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
515001-04	NAME PLATE FOR BRIDGES
602402-03	PRECAST MANHOLE TYPE A 5' (1.52 m) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 24-2	MAILBOX TURNOUT FOR LOCAL ROADS

PLANS FOR PROPOSED  
SURFACE TRANSPORTATION PROGRAM  
OFF SYSTEM BRIDGE

PROJECT 5TBC(829)  
SECTION 94-08111-00-BR  
WHITLEY ROAD DISTRICT  
MOULTRIE COUNTY  
T.R. 185A  
PROPOSED STRUCTURE NO. 070-4826  
C-97-109-21

UTILITIES

IL CONSOLIDATED COMMUNICATIONS  
121 S. 17TH STREET  
MATTOON, IL 61938

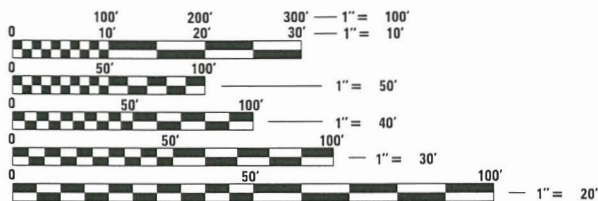
MOULTRIE COUNTY RURAL WATER  
1070 ILLINOIS 32  
SULLIVAN, IL 61951

COLE-MOULTRIE ELECTRIC CO-OP  
104 DEWITT AVE. EAST  
P.O. BOX 709  
MATTOON, IL 61938

STA. 10+33  
PRECAST PRESTRESSED CONCRETE DECK BEAM  
BRIDGE, SINGLE SPAN AT 62'-0"  
28'-0" RDWY.; SKEW = 20°  
EXISTING STRUCTURE NO. 070-4806  
PROPOSED STRUCTURE NO. 070-4826

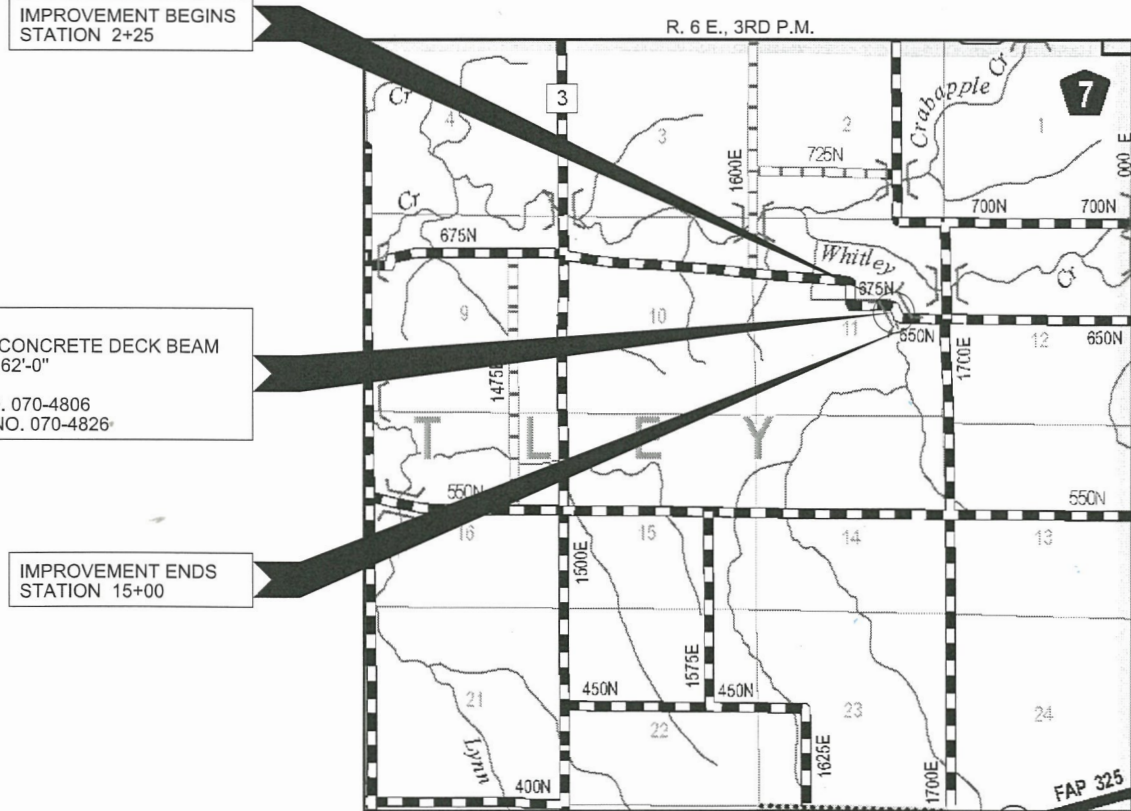
IMPROVEMENT BEGINS  
STATION 2+25

IMPROVEMENT ENDS  
STATION 15+00



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

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



LOCATION MAP

APPROXIMATE SCALE: 0 1/2 MILE  
NET LENGTH OF SECTION = 1,275 FEET = 0.242 MILES



LOCATION OF SECTION INDICATED THIS: - [Symbol]



**WARNING**  
CALL 811 BEFORE YOU DIG  
DIG NO: A1484311

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED: 8/30/2021  
Jeffrey Buil  
COUNTY ENGINEER

APPROVED: 8-30-2021  
John E. Mowry  
TOWNSHIP COMMISSIONER

PASSED: 02/16/22  
District Seven Engineer of Local Roads & Streets

Releasing For Bid Based on Limited Review: 02/16/22  
Jeffrey M. [Signature]  
REGION FOUR ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DATE: 01/17/2022

EXPIRES: 11/30/2022

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

PROJECT NUMBER: 18,0454,130 DATE: 01/17/2022

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	CONSTRUCTION TYPE CODE 0011	
		UNIT	TOTAL
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	475
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	250
20200100	EARTH EXCAVATION	CU YD	2,445
20300100	CHANNEL EXCAVATION	CU YD	1,340
20400800	FURNISHED EXCAVATION	CU YD	2,440
20700220	POROUS GRANULAR EMBANKMENT	CU YD	130
28000305	TEMPORARY DITCH CHECKS	FOOT	90
28000400	PERIMETER EROSION BARRIER	FOOT	350
^ 28100207	STONE RIPRAP, CLASS A4	TON	980
28200200	FILTER FABRIC	SQ YD	1,615
^ 28300400	AGGREGATE DITCH	TON	1,007
^ 35100100	AGGREGATE BASE COURSE, TYPE A	TON	1,794
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	270
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	29.2
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,736
* 50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,550
50900205	STEEL RAILING, TYPE S1	FOOT	120
51201400	FURNISHING STEEL PILES HP10X42	FOOT	450
51202305	DRIVING PILES	FOOT	450
51203400	TEST PILE STEEL HP10X42	EACH	1
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	74
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	32
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	132
67100100	MOBILIZATION	L SUM	1
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
^ X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.6
^ X6020084	MANHOLE, SPECIAL	EACH	1
^ X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1

^ SEE SPECIAL PROVISIONS

\* SPECIALTY ITEMS

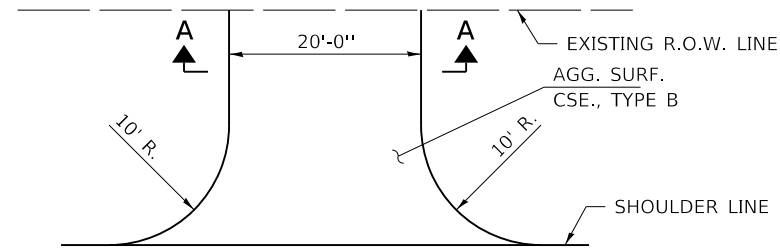
### GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 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.
- 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. CARE SHALL BE TAKEN WHEN REMOVING THE TREES NEAR RT. STA. 3+00 TO PREVENT SCATTERING OF THORNS.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF THE DEPARTMENT.
- THE LOCATION ON THE PLANS OF EXISTING DRAINAGE STRUCTURES, TELEPHONE LINES, ELECTRIC LINES, WATER SERVICE LINES, GAS MAINS, AND OTHER UTILITY FACILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES  
 AGGREGATE BASE COURSE            2.05 TON/CU YD  
 STONE RIPRAP                            1.75 TON/CU YD
- THE FINAL SURFACE OF ALL EMBANKMENT AREAS SHALL BE SEEDED. THE TOP 4 INCHES OF THE SEEDED AREAS SHALL BE TOPSOIL SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF SHAPING THE SLOPES AND PROVIDING TOP SOIL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- 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) =    1.6 ACRES
- ALL WASTE MATERIAL FROM EXCAVATIONS SHALL BE DISPOSED OF BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE EXISTING ROADWAY PAVEMENT SHALL BE DEGRADED OUTSIDE LIMITS OF PROPOSED BASE CONSTRUCTION. COST INCLUDED WITH EARTH EXCAVATION.
- PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN. SEE SPECIAL PROVISIONS.
- THE FOLLOWING ENTRANCE LOCATIONS SHALL BE KEPT OPEN AT ALL TIMES DURING CONSTRUCTION:  
 RT. STA. 3+90, LT. STA. 4+57, RT STA. 12+10.
- COMMITMENTS:  
 1) TREES 3 INCHES OR GREATER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30 OF ANY GIVEN YEAR.  
 2) THE BRIDGE BAT ASSESSMENT EXPIRES 12/3/2023. A VALID ASSESSMENT IS REQUIRED PRIOR TO PERFORMING ANY WORK BELOW THE EXISTING BRIDGE DECK SURFACE.

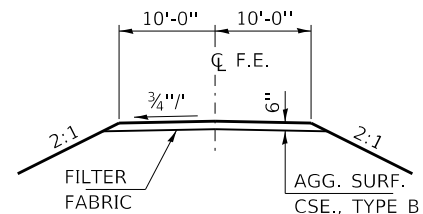
### EARTHWORK SCHEDULE

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.
T.R. 185A / 675N							
STA. 2+25.00 TO STA. 10+01.29	1990		25.00%	100.00%	1493	3492	-1999
STA. 10+01.29 TO STA. 10+64.71		1340	25.00%	70.00%	704		704
STA. 10+64.71 TO STA. 15+00.00	454		25.00%	100.00%	341	1299	-958
ENTRANCES						189	-189
TOTAL	2444	1340			2538	4980	-2442
USE	2445	1340					2440

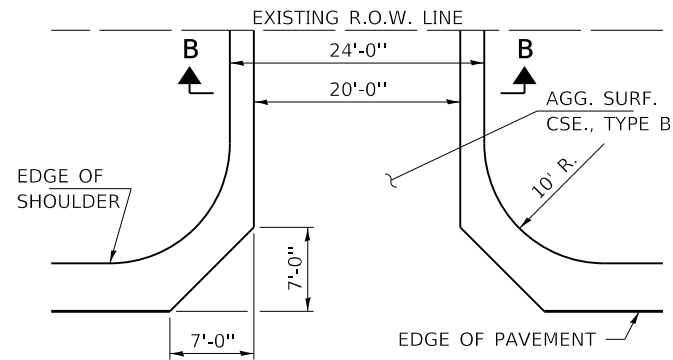
FURNISHED 2440 CU YDS



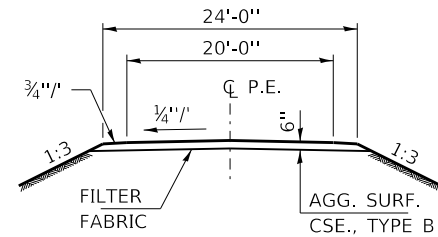
**FIELD ENTRANCE DETAIL**



**SECTION A-A**



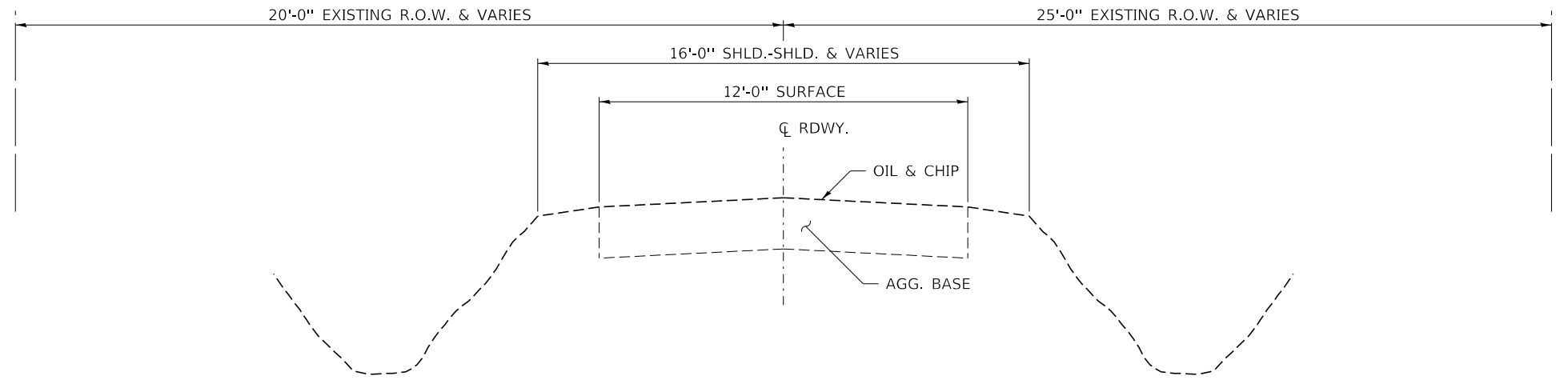
**PRIVATE ENTRANCE DETAIL**



**SECTION B-B**

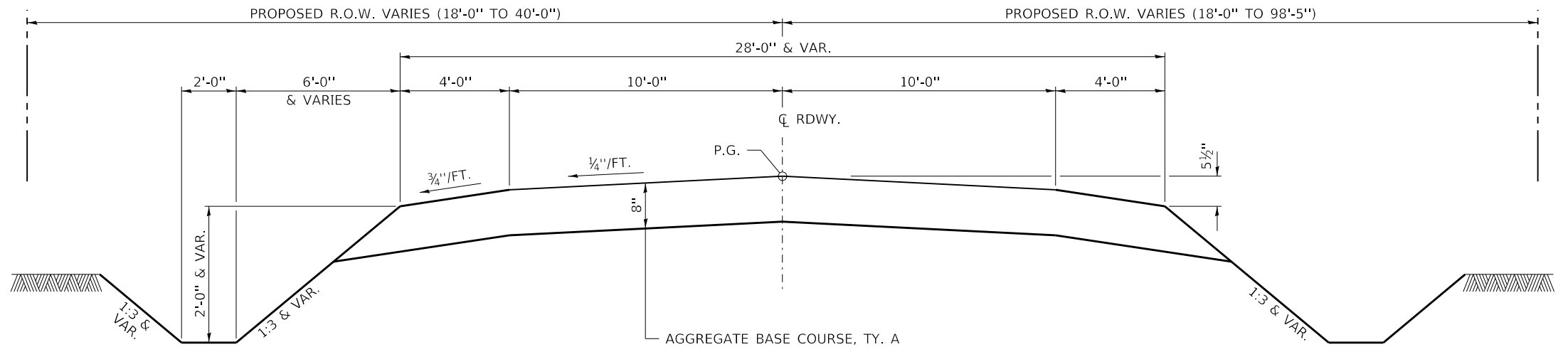
**ENTRANCES TO BE BUILT**

RT. STA. 3+90 P.E. 20' RDBD. +1.23%  
 LT. STA. 4+57 F.E. 20' RDBD. +6.67%  
 RT. STA. 6+50 F.E. 20' RDBD. -12.0%  
 LT. STA. 11+30 F.E. 20' RDBD. -7.4%  
 RT. STA. 12+10 P.E. 20' RDBD. -10.0%  
 SEE SHEETS 13-26 FOR CROSS SECTION QUANTITIES INCLUDED IN THOSE LISTED



**EXISTING TYPICAL CROSS SECTION**

STA. 2+25 TO 15+00

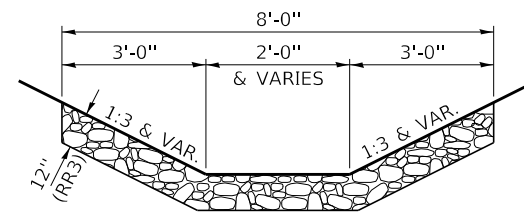


**PROPOSED TYPICAL CROSS SECTION**

STA. 2+25 TO 15+00

TRANSITIONS FROM THE PROPOSED PAVEMENT TO THE EXISTING PAVEMENT ARE TO BE CONSTRUCTED FROM STA. 2+25 TO 2+75 AND STA. 14+00 TO 15+00. SEE SHEET 5 FOR TRANSITION AT BRIDGE.

ELEVATIONS NOTED ON CROSS SECTIONS ARE TO TOP OF FINISHED GRADE AT SLOPE BREAK POINTS.



**AGGREGATE DITCH**

LT. STA. 3+50 TO STA. 4+41  
 LT. STA. 4+78 TO STA. 7+50  
 RT. STA. 4+15 TO STA. 7+10  
 LT. STA. 12+00 TO STA. 15+00  
 RT. STA. 12+25 TO STA. 15+00

**TEMPORARY DITCH CHECKS**

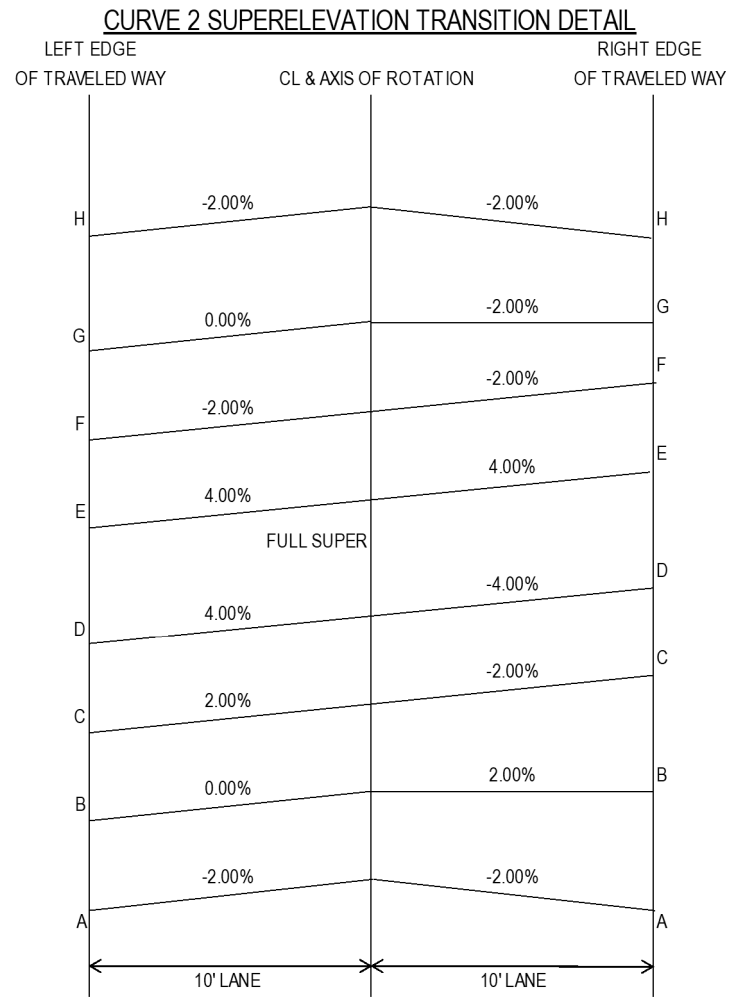
RT. STA. 3+50 = 10 FT.  
 LT. STA. 3+70 = 10 FT.  
 RT. STA. 6+00 = 10 FT.  
 LT. STA. 6+00 = 10 FT.  
 RT. STA. 10+00 = 10 FT.  
 RT. STA. 11+00 = 10 FT.  
 LT. STA. 11+50 = 10 FT.  
 LT. STA. 13+00 = 10 FT.  
 RT. STA. 13+00 = 10 FT.  
 TOTAL = 90 FT.

**PERIMETER EROSION BARIER**

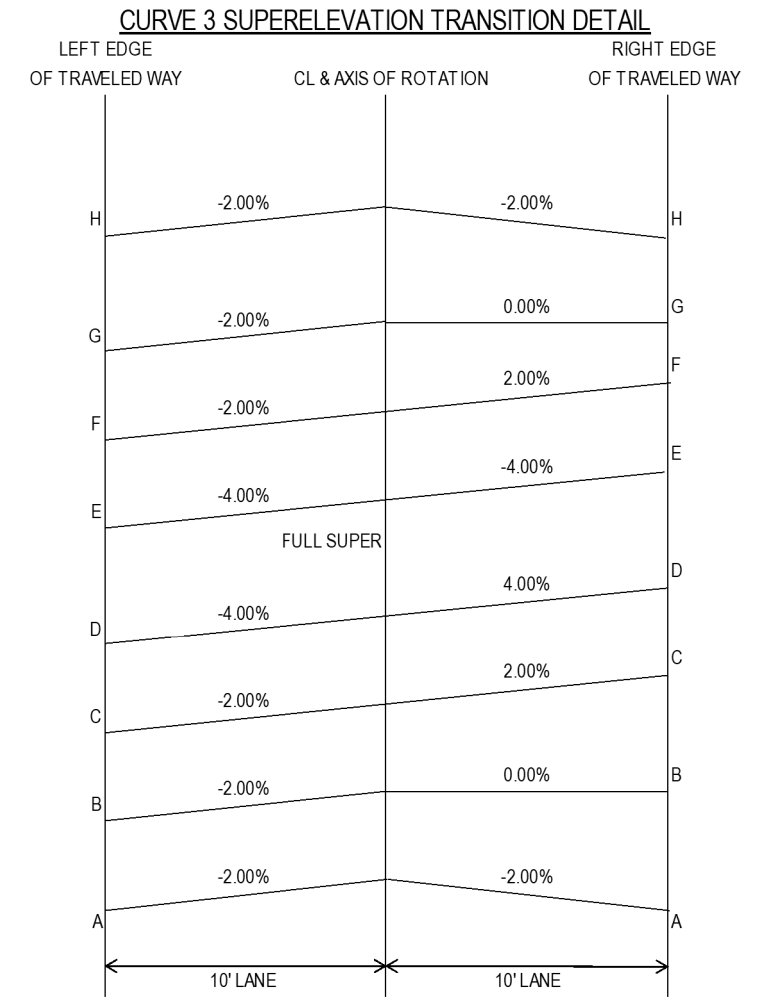
LT. STA. 6+50 - 10+00 = 350 FT.

FILE NAME = 180454-shi-tysecdtkns.dgn	USER NAME = rmosick	DESIGNED - J.W.F.	REVISED -	<b>STATE OF ILLINOIS MOULTRIE COUNTY HIGHWAY DEPARTMENT</b>	<b>TYPICAL CROSS SECTIONS</b>		T.R.	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 = \$SCALES	DRAWN - M.M.P.	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	185A	94-08111-00-BR	MOULTRIE	29	3
	PLOT DATE = 1/18/2022	CHECKED - S.W.M.	REVISED -					WHITLEY ROAD DISTRICT		CONTRACT NO. 95882		
		DATE - 01/17/2022	REVISED -					ILLINOIS   FED. AID PROJECT 5TBC(829)				

TREE REMOVAL SCHEDULE		
LOCATION	OFFSET (ft)	SIZE (INCHES)
RT 4+20.94	31.38	10
RT 4+22.94	36.82	10
RT 4+24.94	33.55	10
RT 4+26.94	36.74	10
RT 4+28.94	32.57	10
RT 4+30.94	32.07	10
RT 4+32.94	33.83	10
RT 4+34.94	34.2	12
RT 4+36.94	33.08	10
RT 4+38.94	34.8	10
RT 4+40.94	30.75	10
RT 4+42.94	32.97	10
RT 4+44.94	30.45	12
RT 4+46.94	30.56	12
RT 4+48.94	30.56	12
RT 4+50.94	30.56	12
RT 4+52.94	30.59	12
RT 4+54.94	35.74	12
RT 4+56.94	30.19	12
RT 4+58.94	34.95	12
RT 4+60.94	30.31	12
RT 4+62.94	30.51	12
RT 4+64.94	30.51	12
RT 4+66.94	16.67	12
RT 4+68.94	26.64	12
RT 4+70.94	39.38	9
RT 4+72.94	44.44	15
RT 4+74.94	48.55	15
RT 4+76.94	66.58	15
LT 4+78.94	30.24	12
LT 4+80.94	30.24	12
LT 4+82.94	30.24	12
LT 4+84.94	30.24	12
LT 4+86.94	30.24	12
LT 4+88.94	29.47	9
LT 4+90.94	33.97	15
RT 2+67.89	19.20	18
RT 3+08.17	18.07	18
RT 5+58.38	30.57	18
RT 6+43.27	30.52	18
RT 7+48.02	17.98	27
RT 9+70.16	24.01	18
RT 9+72.29	29.77	24
RT 10+48.40	43.70	18
RT 10+63.50	52.73	24
LT 9+92.47	24.02	18
LT 9+66.25	36.64	18



CURVE 2 SUPERELEVATION TRANSITION			
LOCATION	STATION	CROSS SLOPE	
		LEFT	RIGHT
A	6+38.00	-2.00%	-2.00%
B	6+68.40	0.00%	-2.00%
C	6+98.80	2.00%	-2.00%
D	7+29.20	4.00%	-4.00%
FULL SUPER			
E	8+62.00	4.00%	-4.00%
F	8+92.40	2.00%	-2.00%
G	9+22.80	0.00%	-2.00%
H	9+53.20	-2.00%	-2.00%

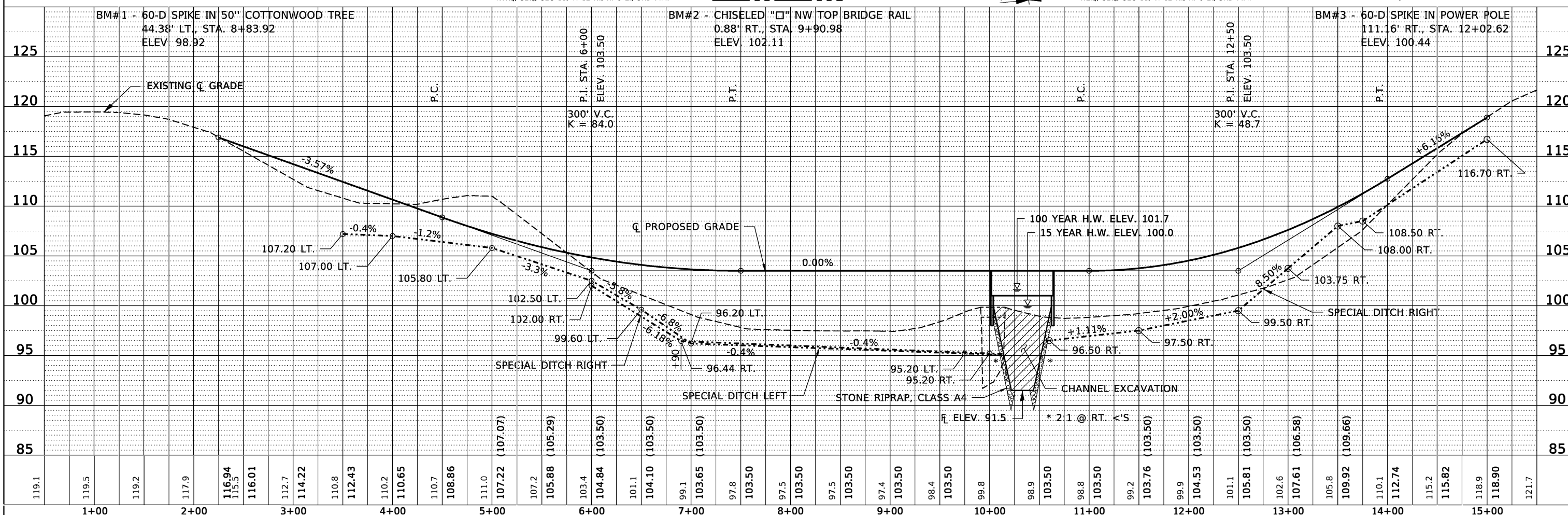
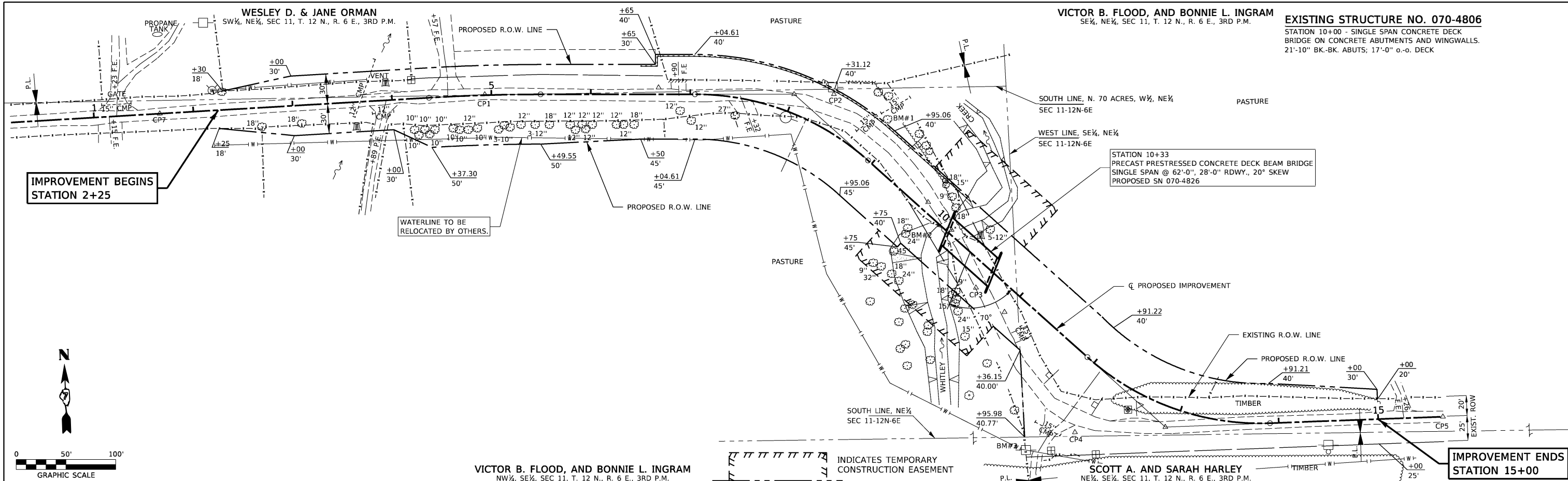


CURVE 3 SUPERELEVATION TRANSITION			
LOCATION	STATION	CROSS SLOPE	
		LEFT	RIGHT
A	11+24.00	-2.00%	-2.00%
B	11+54.40	-2.00%	0.00%
C	11+84.80	-2.00%	2.00%
D	12+15.20	-4.00%	4.00%
FULL SUPER			
E	13+58.00	-4.00%	4.00%
F	13+88.40	-2.00%	2.00%
G	14+18.80	-2.00%	0.00%
H	14+49.20	-2.00%	-2.00%



DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	



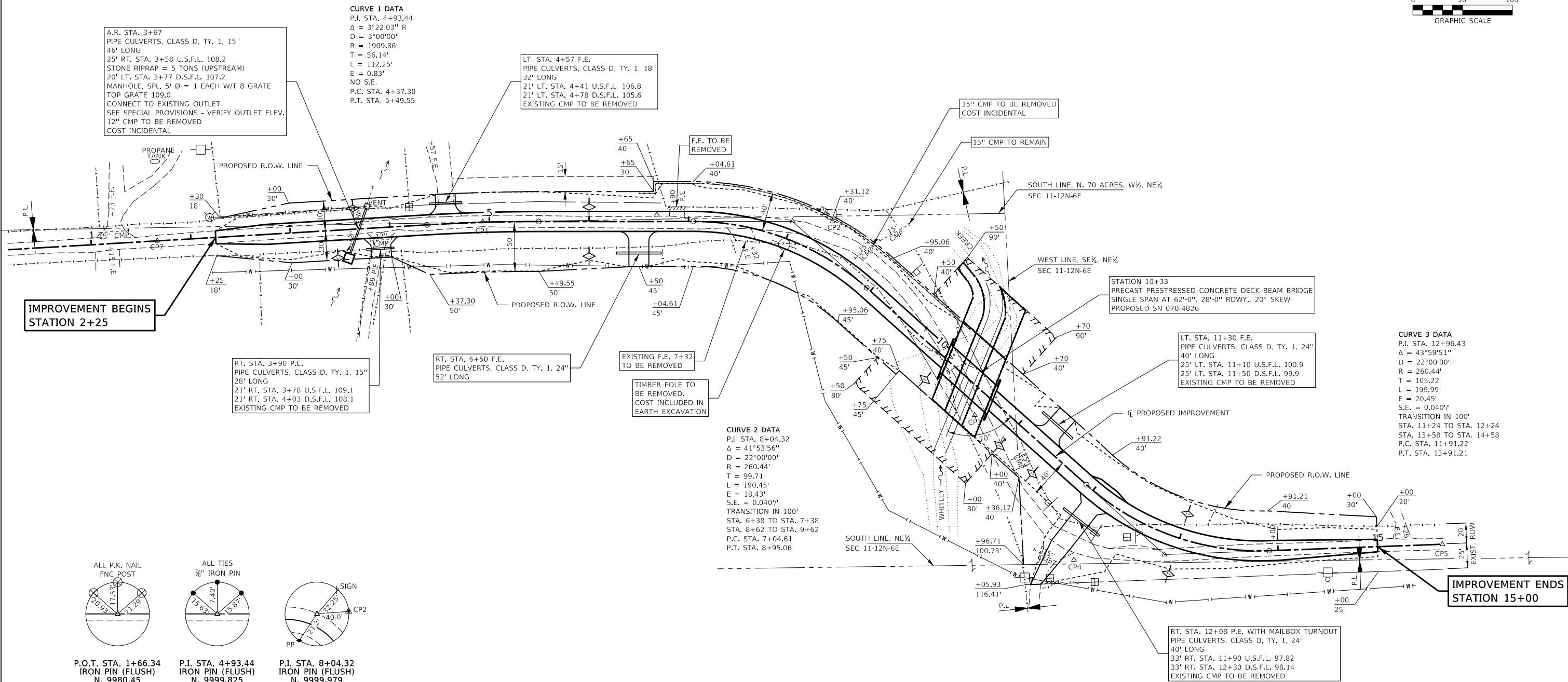
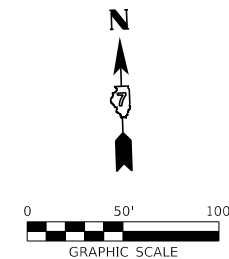
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HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62708 ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E./S.E. CORP. 04-000089	PLOT SCALE = 5/8"=1'	DRAWN - M.M.P.	REVISED -	185A	94-08111-00-BR	MOULTRIE	29	5
PLOT DATE = 1/18/2022	DATE = 01/17/2022	CHECKED - J.W.F.	REVISED -	WHITLEY ROAD DISTRICT		CONTRACT NO. 95882		
				SCALE: 5V:50H		SHEET NO. 1 OF 2 SHEETS		STA. 0+50.00 TO STA. 15+50.00
				ILLINOIS FED. AID PROJECT 5TBC(829)				

STATE OF ILLINOIS  
MOULTRIE COUNTY HIGHWAY DEPARTMENT

PLAN & PROFILE

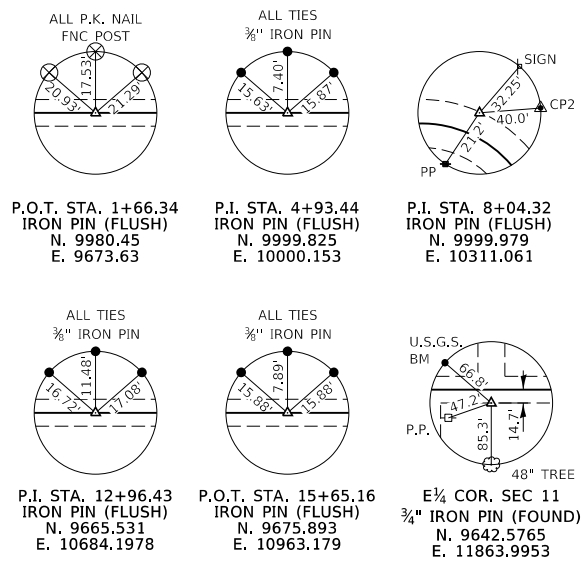
WESLEY D. & JANE ORMAN  
SW¼, NE¼, SEC 11, T. 12 N., R. 6 E., 3RD P.M.

VICTOR B. FLOOD, AND BONNIE L. INGRAM  
SE¼, NE¼, SEC 11, T. 12 N., R. 6 E., 3RD P.M.



IMPROVEMENT BEGINS  
STATION 2+25

IMPROVEMENT ENDS  
STATION 15+00

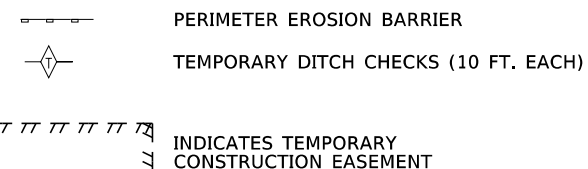


VICTOR B. FLOOD, AND BONNIE L. INGRAM  
NW¼, SE¼, SEC 11, T. 12 N., R. 6 E., 3RD P.M.

SCOTT A. AND SARAH HARLEY  
NE¼, SE¼, SEC 11, T. 12 N., R. 6 E., 3RD P.M.

NOTE:  
TREES NOT SHOWN FOR CLARITY.  
SEE SCHEDULE SHEET 4.

NOTE:  
TRANSITION PROPOSED PAVEMENT AND SHOULDER  
TO EXISTING PAVEMENT AND SHOULDER FROM  
STA. 14+00 TO STA. 15+00  
SEE BLR 24-2 FOR MAILBOX TURNOUT



**EXISTING STRUCTURE NO. 070-4806**  
STATION 10+00 - SINGLE SPAN CONCRETE DECK  
BRIDGE ON CONCRETE ABUTMENTS AND WINGWALLS.  
21'-10" BK.-BK. ABUTS: 17'-0" o.-o. DECK

FILE NAME = 180454-shr-PlanProf.dgn	USER NAME = rmosick	DESIGNED - S.W.M.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = \$SCALE\$	DRAWN - M.M.P.	REVISED -
PLOT DATE = 1/18/2022	DATE = 01/17/2022	CHECKED - J.W.F.	REVISED -
		DATE = 01/17/2022	REVISED -

STATE OF ILLINOIS  
MOULTRIE COUNTY HIGHWAY DEPARTMENT

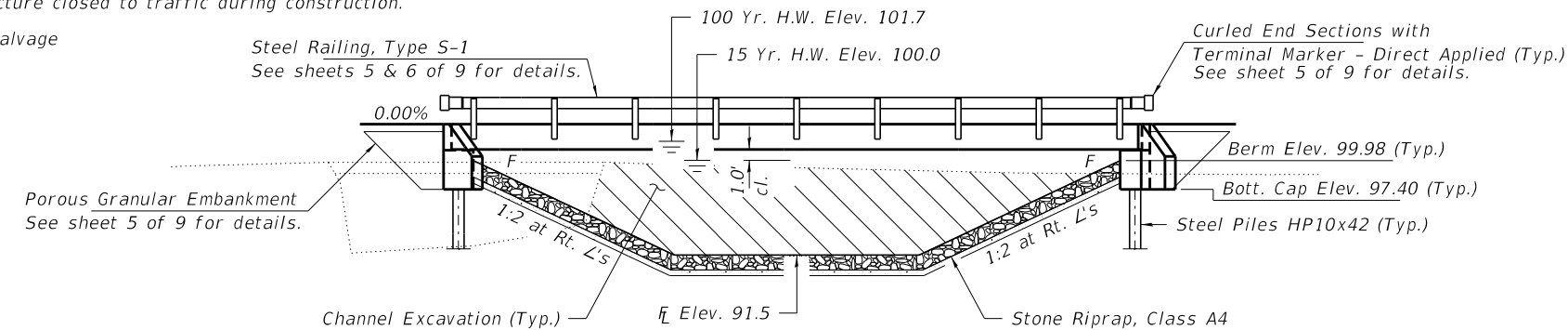
PROPOSED PLAN DETAILS	
SCALE: 5V:50H	SHEET NO. 2 OF 2 SHEETS
STA. 0+50.00	TO STA. 15+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185A	94-08111-00-BR	MOULTRIE	29	6
WHITLEY ROAD DISTRICT		CONTRACT NO. 95882		
ILLINOIS		FED. AID PROJECT 5TBC(829)		

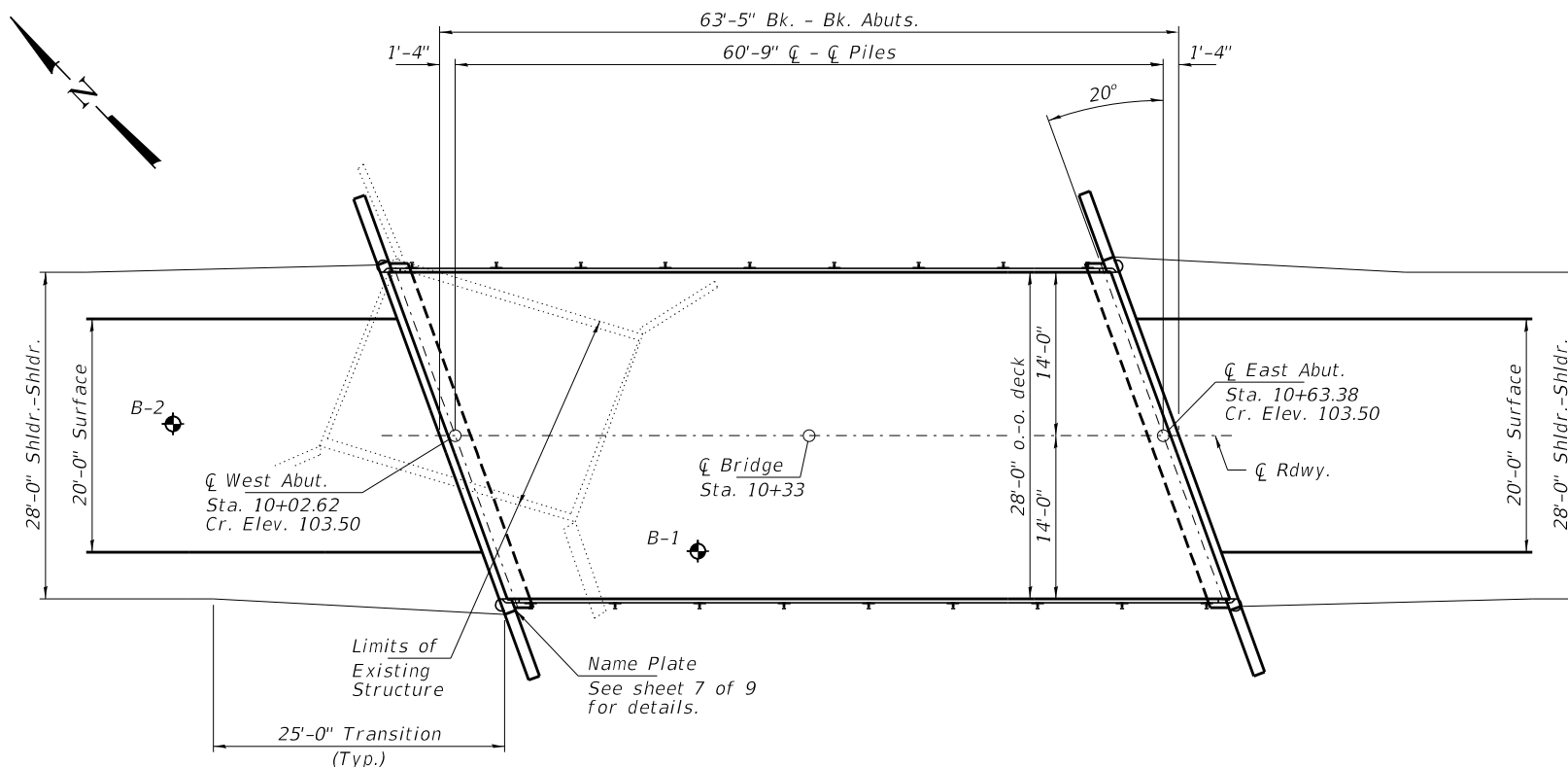
EXISTING STRUCTURE NO. 070-4806; Sta. 10+00 - Single span concrete deck bridge on concrete abutments and wingwalls.  
21'-10" bk.-bk. abuts., 17'-0" o.-o. deck.

Structure closed to traffic during construction.

No Salvage



ELEVATION



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<sub>c</sub> = 3,500 psi  
f<sub>y</sub> = 60,000 psi (Reinf.)

PRECAST PRESTRESSED UNITS

f<sub>c</sub> = 6,000 psi  
f<sub>c</sub>' = 5,000 psi  
f<sub>pu</sub> = 270,000 psi (1/2"Ø low lax. strands)  
f<sub>pbt</sub> = 201,960 psi (1/2"Ø low lax. strands)  
f<sub>y</sub> = 60,000 psi (Reinf.)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1  
Design Spectral Acceleration at 1.0 sec. (S<sub>D1</sub>) = 0.125g  
Design Spectral Acceleration at 0.2 sec. (S<sub>D5</sub>) = 0.269g  
Soil Site Class = C

WATERWAY INFORMATION

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.		Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Design	15	1490	100	320	100.02	0.93	0.38	100.95	100.40	
Base	100	2550	100	370	101.69	0.20	0.87	101.89	102.56	
Scour Check	200	2940	100	370	102.21	0.03	1.32	102.24	103.53	
Max. Calc.	500	3520	100	370	102.93	0.00	1.28	102.93	104.21	

Existing Overtopping Elev. 97.48 @ Sta. 8+00  
Proposed Overtopping Elev. 103.5 @ Sta. 7+50  
Drainage Area = 6.5 Sq. Mi.

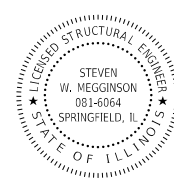
10 Year Velocity through Existing Bridge = 12.9 fps  
10 Year Velocity through Proposed Bridge = 4.4 fps

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elev. (ft.)		Item 113
	W. Abut.	E. Abut.	
Q100	97.5	97.5	8
Q500	97.5	97.5	
Design	97.5	97.5	
Check	97.5	97.5	

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 01/17/2022  
ILLINOIS STRUCTURAL ENGINEER NO. 081-6064



Expires 11-30-2022

GENERAL NOTES

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

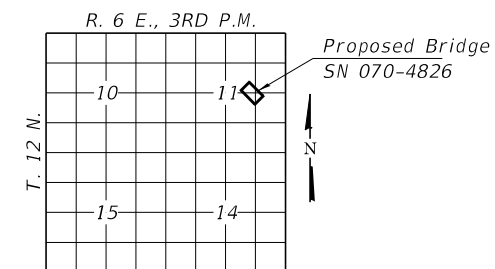
INDEX OF STRUCTURE SHEETS

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

WHITLEY CREEK  
BUILT 202\_ BY  
MOULTRIE COUNTY  
SEC. 94-08111-00-BR  
WHITLEY ROAD DISTRICT  
STR. NO. 070-4826  
LOADING HL-93

NAME PLATE

See Std. 515001



LOCATION SKETCH

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.			130
Stone Riprap, Class A4	Ton			980
Filter Fabric	Sq. Yd.			1,280
Removal of Existing Structures	Each			1
Concrete Structures	Cu. Yd.		29.2	29.2
Precast Prestressed Conc. Deck Beams (27" Depth)	Sq. Ft.	1,736		1,736
Reinforcement Bars, Epoxy Coated	Pound		3,550	3,550
Steel Railing, Type S-1	Foot	120		120
Furnishing Steel Piles HP10x42	Foot		450	450
Driving Piles	Foot		450	450
Test Pile Steel HP10x42	Each		1	1
Name Plates	Each		1	1
Terminal Marker - Direct Applied	Each	4		4

FILE NAME = 180454-shl-bridge.dgn	USER NAME = rmosick	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L5 / PE / SE CORP. 184.009959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
PLOT DATE = 1/18/2022		DRAWN - M.M.P.	REVISED -
		CHECKED - S.W.M.	REVISED -

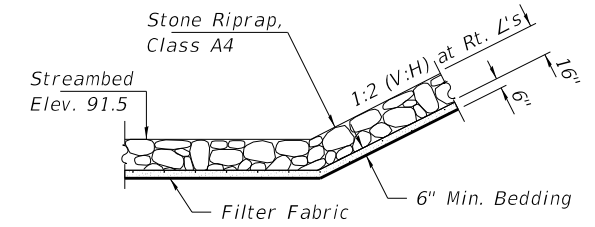
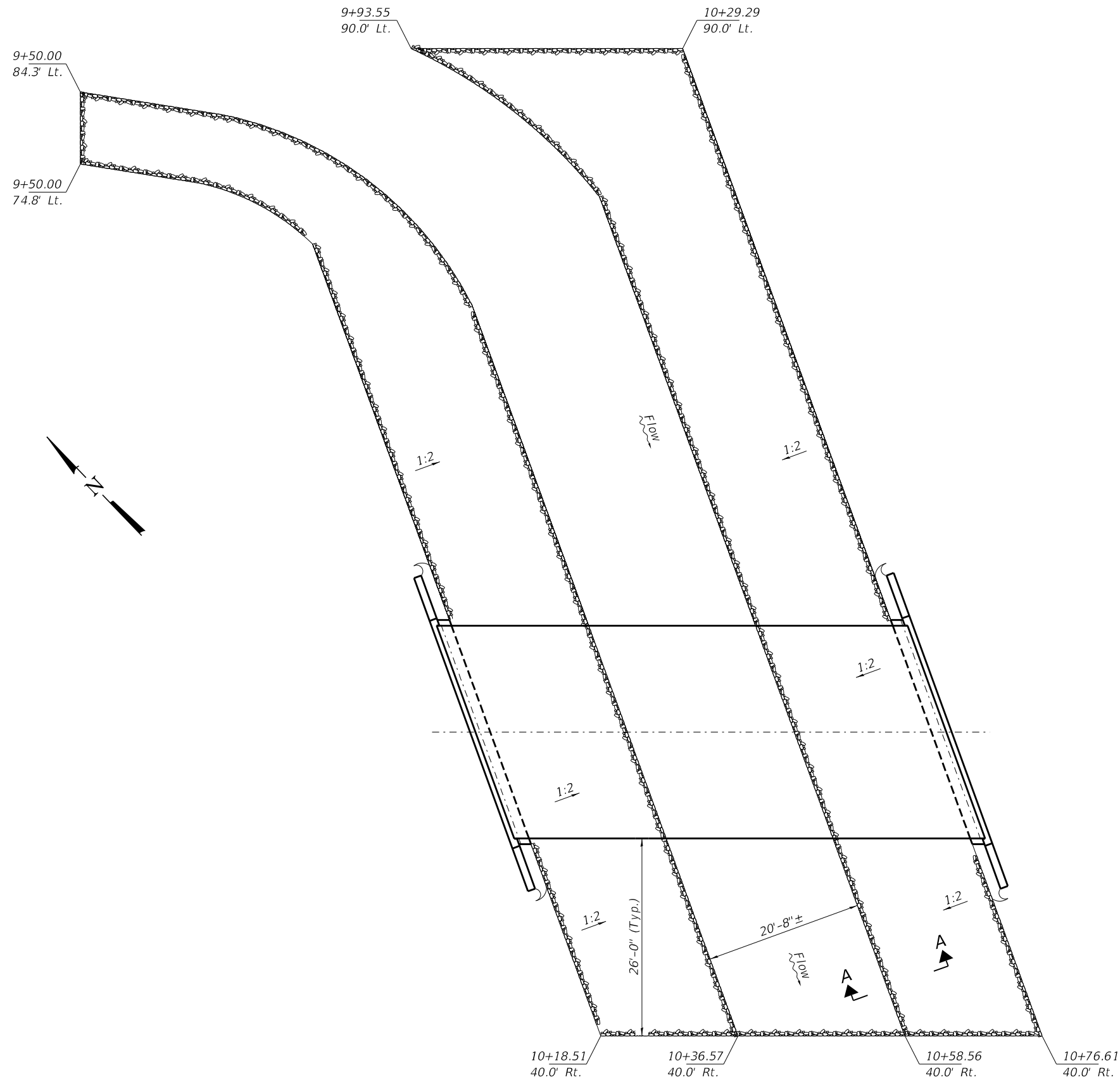
STATE OF ILLINOIS  
MOULTRIE COUNTY HIGHWAY DEPARTMENT

GENERAL PLAN & ELEVATION  
STRUCTURE NO. 070-4826

SHEET NO. 1 OF 9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185A	94-08111-00-BR	MOULTRIE	29	7
WHITLEY ROAD DISTRICT			CONTRACT NO. 95882	

ILLINOIS FED. AID PROJECT 5TBC(829)



**SECTION A-A**

**PLAN**

FILE NAME = 180454-shil-bridge.dgn	USER NAME = rmosick	DESIGNED - J.W.F.	REVISED -
<b>HAMPTON, LENZINI AND RENWICK, INC.</b> 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -
	PLOT SCALE =	DRAWN - M.M.P.	REVISED -
	PLOT DATE = 1/18/2022	CHECKED - S.W.M.	REVISED -

**STATE OF ILLINOIS  
MOULTRIE COUNTY HIGHWAY DEPARTMENT**

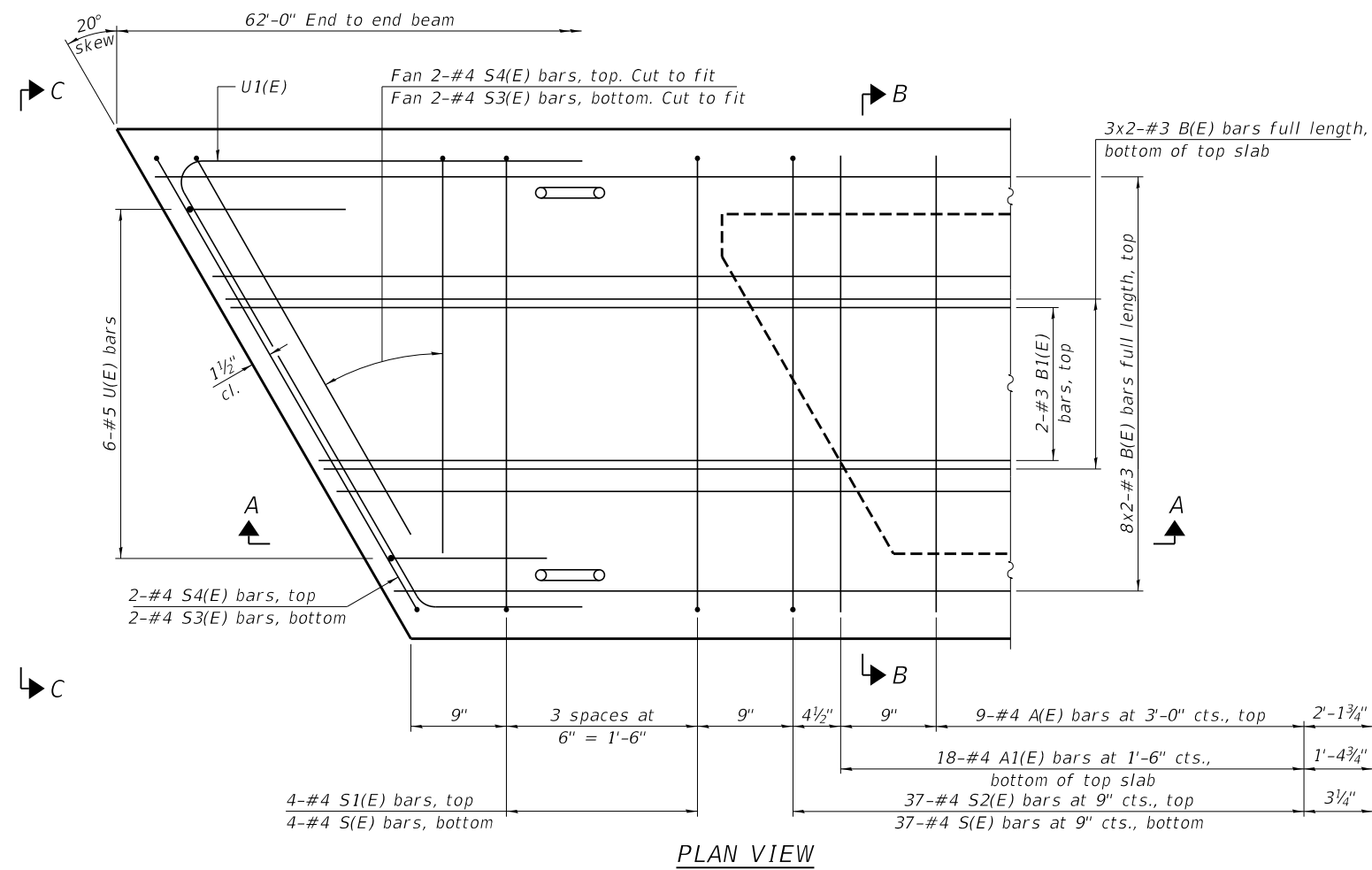
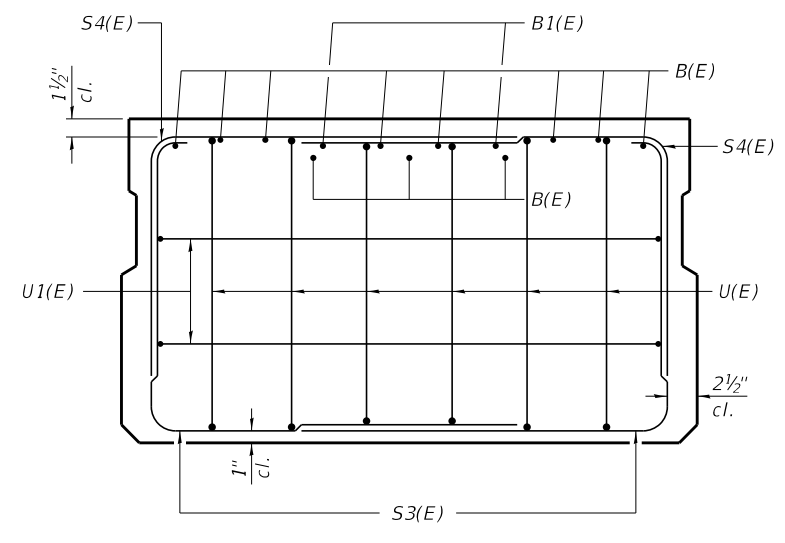
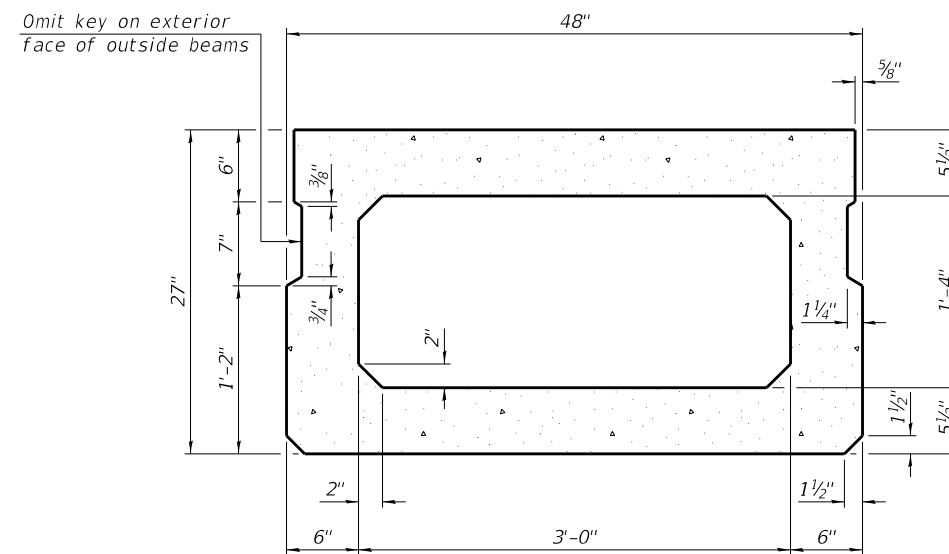
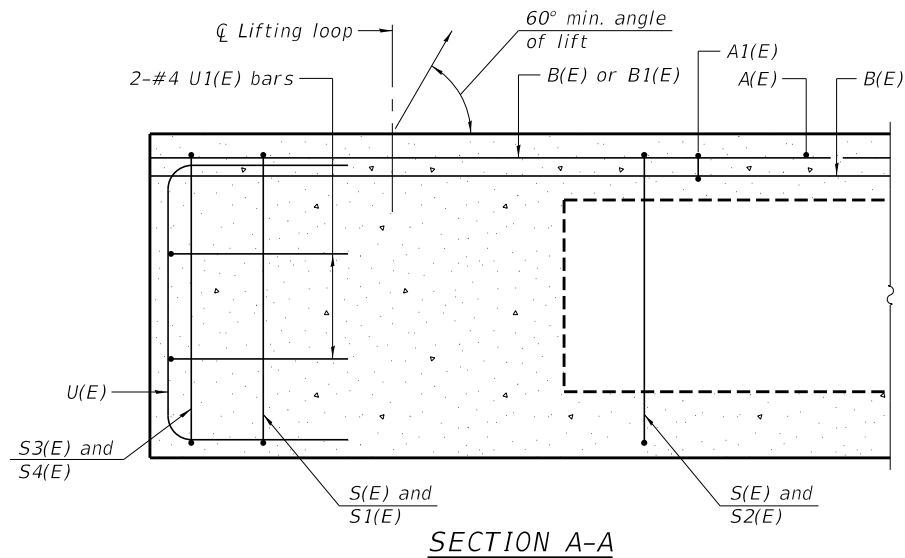
**RIPRAP LAYOUT  
STRUCTURE NO. 070-4826**

SHEET NO. 2 OF 9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185A	94-08111-00-BR	MOULTRIE	29	8
WHITLEY ROAD DISTRICT		CONTRACT NO. 95882		

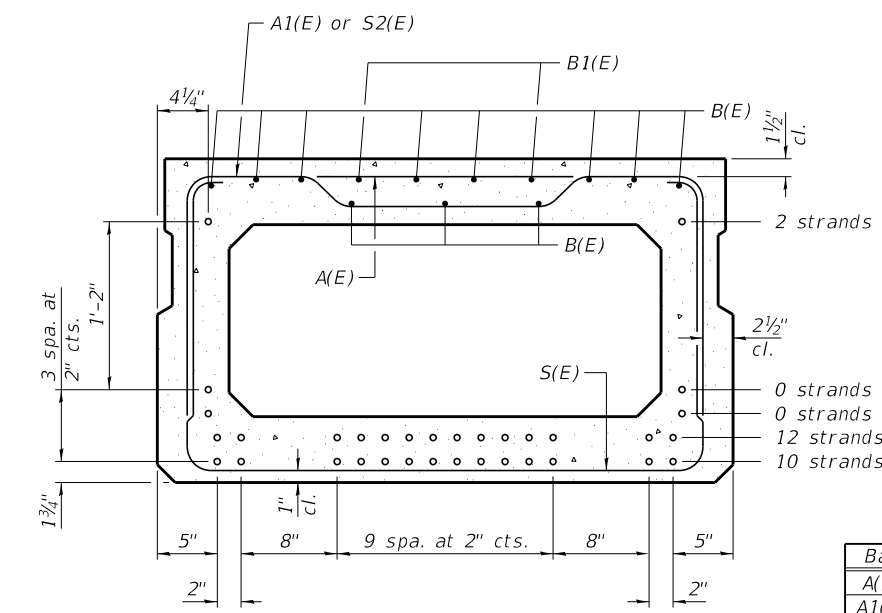
ILLINOIS | FED. AID PROJECT 5TBC(829)





SECTION B-B (Showing dimensions)

VIEW C-C



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

BAR LIST ONE BEAM ONLY (For information only)

Bar	No.	Size	Length	Shape
A(E)	19	#4	3'-7"	—
A1(E)	37	#4	3'-10"	—
B(E)	22	#3	31'-8"	—
B1(E)	4	#3	10'-0"	—
S(E)	82	#4	8'-5"	⌋
S1(E)	8	#4	6'-11"	⌋
S2(E)	74	#4	7'-2"	⌋
S3(E)	8	#4	5'-4"	⌋
S4(E)	8	#4	4'-7"	⌋
U(E)	12	#5	4'-6"	⌋
U1(E)	4	#4	7'-6"	⌋

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"

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 8x2-#3 etc. indicates 8 lines of bars with 2 lengths per line.

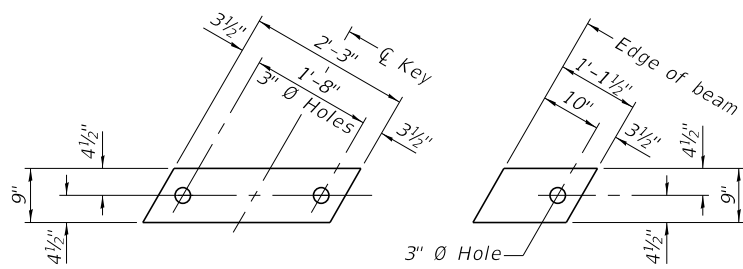
PD-2748-R 1-1-2020

FILE NAME = 180454-shl-bridge.dgn	USER NAME = rmosick	DESIGNED - J.W.F.	REVISED -
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PLOT DATE = 1/18/2022		DRAWN - M.M.P.	REVISED -
		CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS  
MOULTRIE COUNTY HIGHWAY DEPARTMENT

27" x 48" PPC DECK BEAM  
STRUCTURE NO. 070-4826  
SHEET NO. 3 OF 9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185A	94-08111-00-BR	MOULTRIE	29	9
WHITLEY ROAD DISTRICT		CONTRACT NO. 95882		
ILLINOIS FED. AID PROJECT 5TBC(829)				

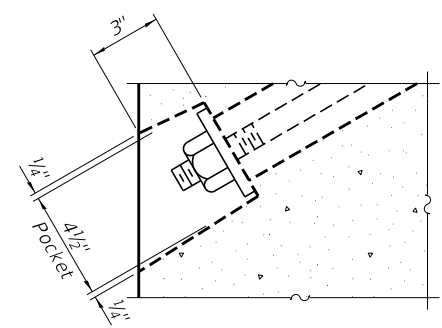


**FABRIC BEARING PAD**  
(Interior - 12 Req'd.)

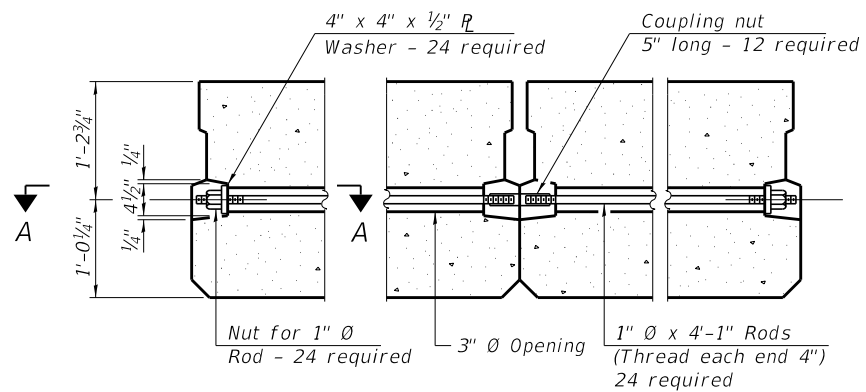
**FABRIC BEARING PAD**  
(Exterior - 4 Req'd.)

**FIXED**

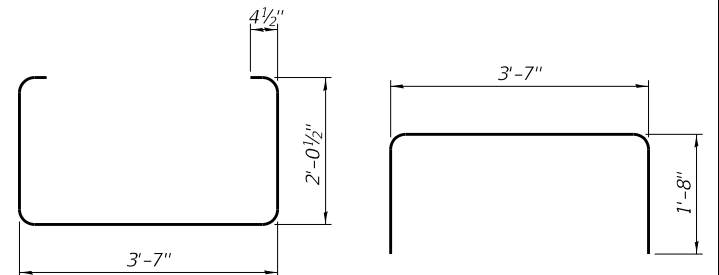
Notes:  
All bearing pads shall be 1" thick.  
Omit holes when using expansion bearings.  
Expansion bearing pads shall be bonded to the substructure.



**SECTION A-A**

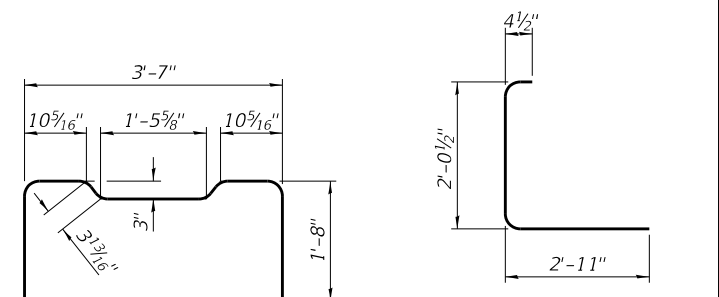


**TYPICAL TRANSVERSE TIE ASSEMBLY**



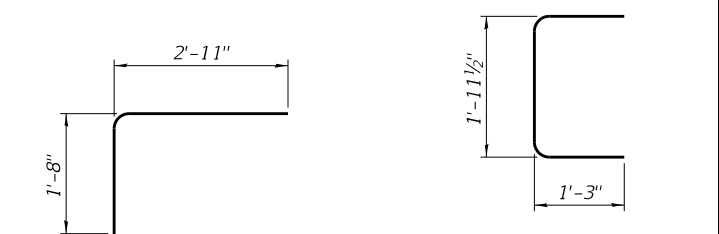
**BAR S(E)**

**BAR S1(E)**



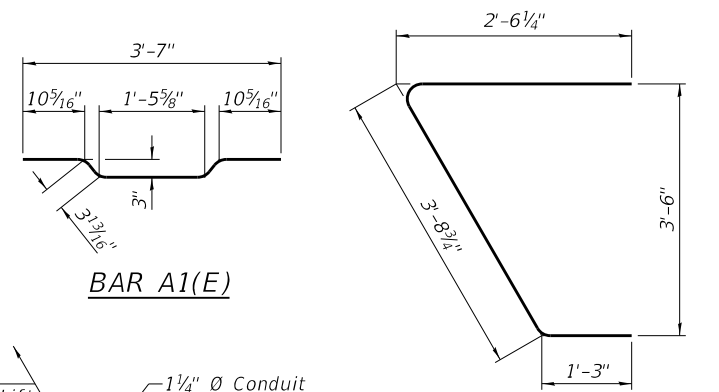
**BAR S2(E)**

**BAR S3(E)**



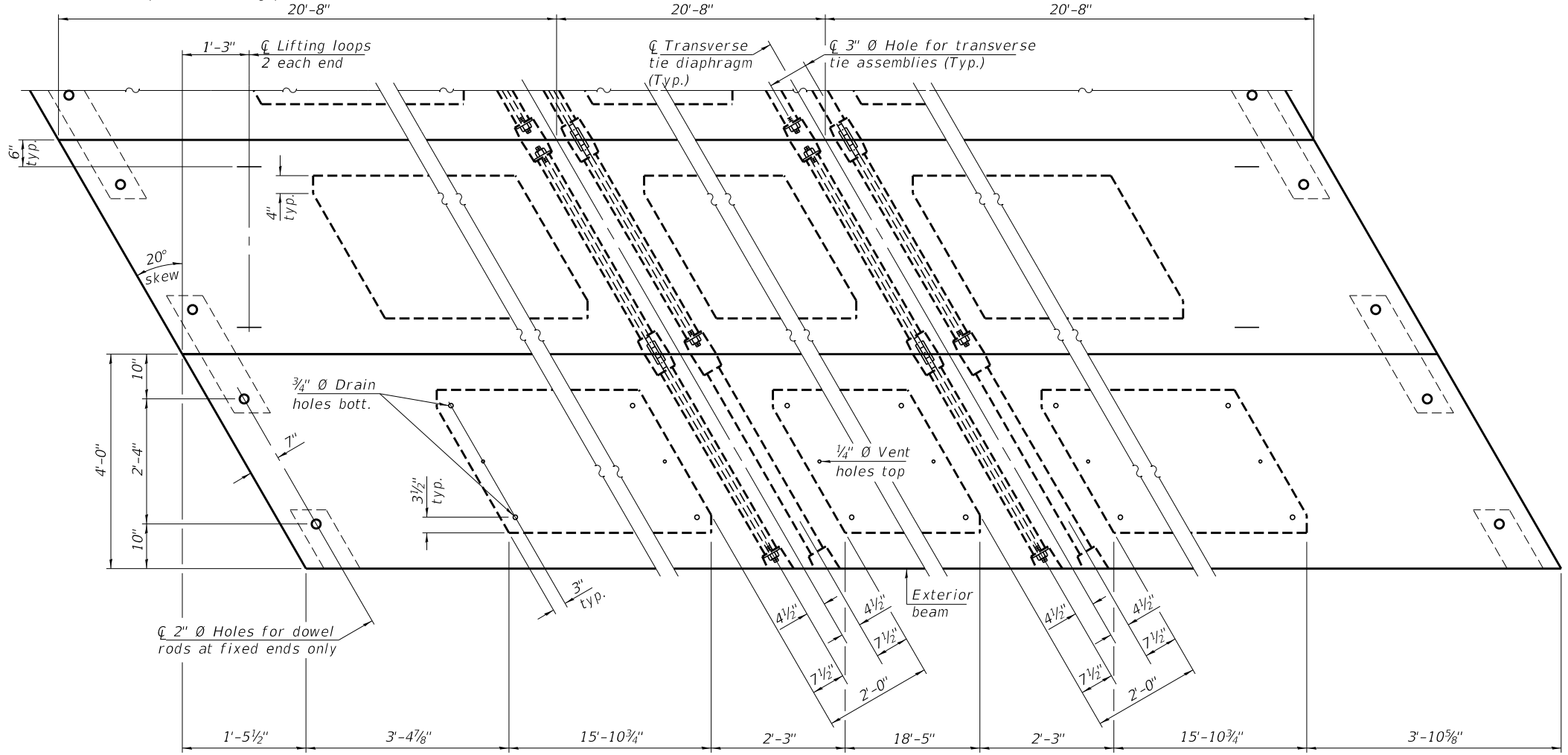
**BAR S4(E)**

**BAR U(E)**



**BAR A1(E)**

**BAR U1(E)**



**PLAN VIEW**

**NOTES**

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1"  $\emptyset$  rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

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

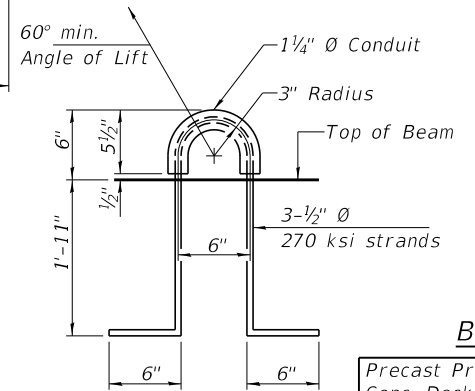
Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

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.

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



**LIFTING LOOP DETAIL**

**BILL OF MATERIAL**

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft. 1,736
---	---------------

PDD-2748-R

1-1-2020

FILE NAME = 180454-shl-bridge.dgn	USER NAME = rmosick	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -
3035 STEVENSON DRIVE, SUITE 201		DRAWN - M.M.P.	REVISED -
SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM			
LS / PE / SE CORP. 184.009959			

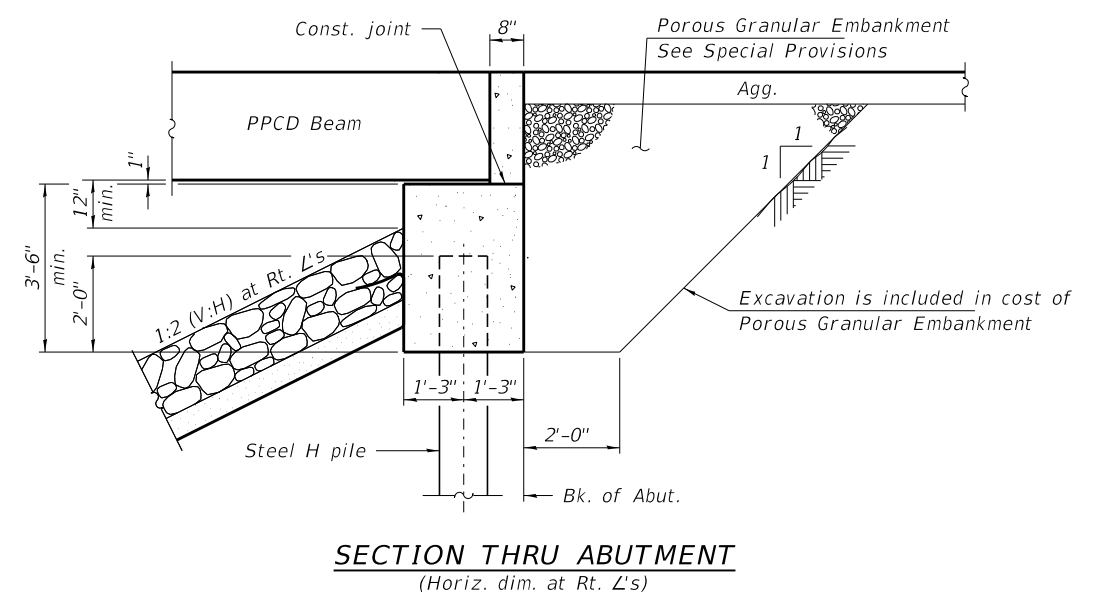
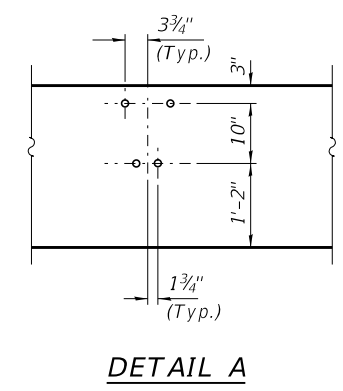
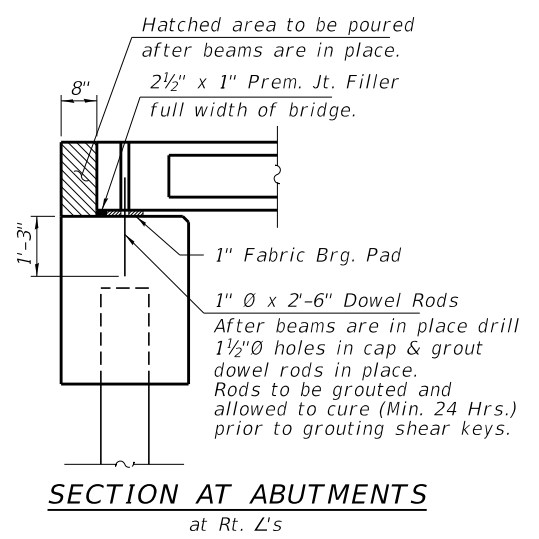
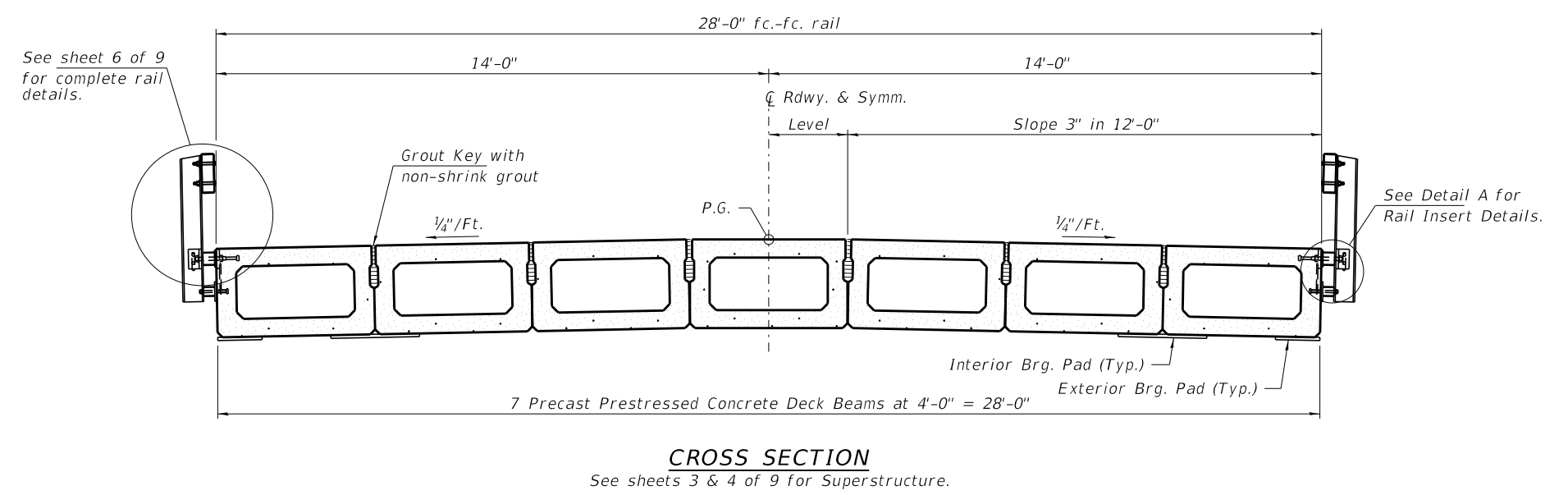
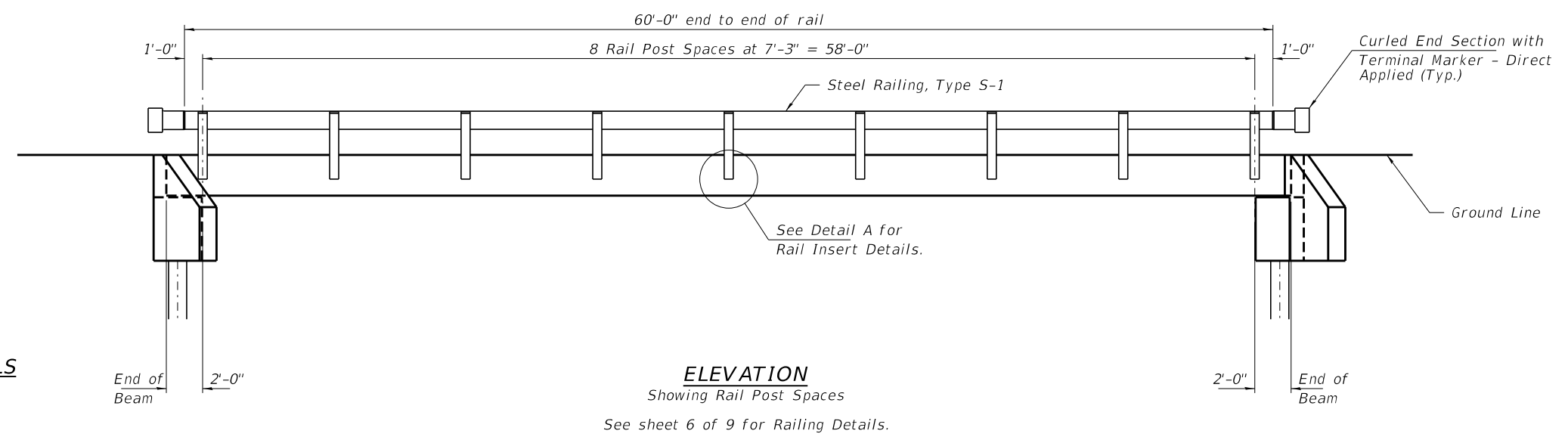
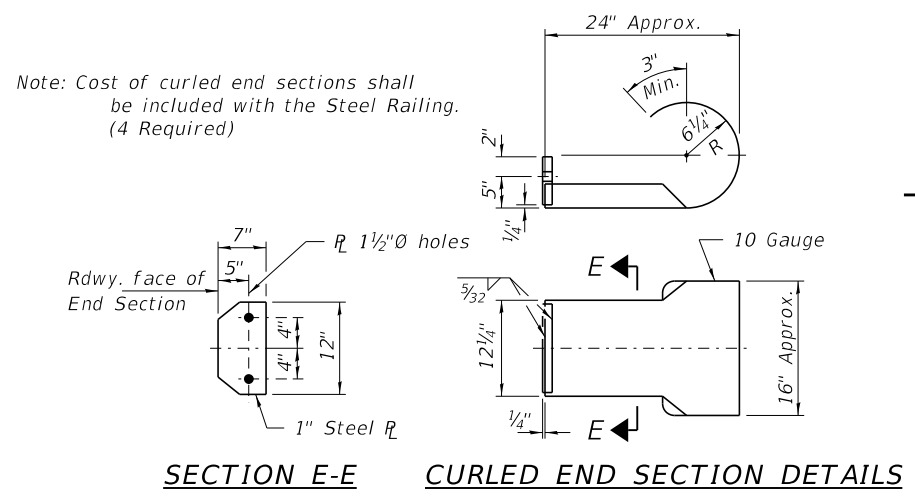
**STATE OF ILLINOIS**  
**MOULTRIE COUNTY HIGHWAY DEPARTMENT**

**27" x 48" PPC DECK BEAM DETAILS**  
**STRUCTURE NO. 070-4826**

SHEET NO. 4 OF 9 SHEETS

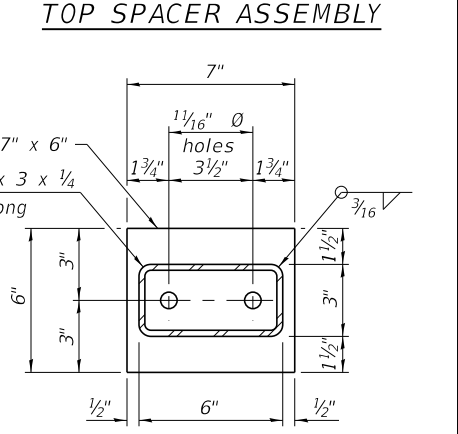
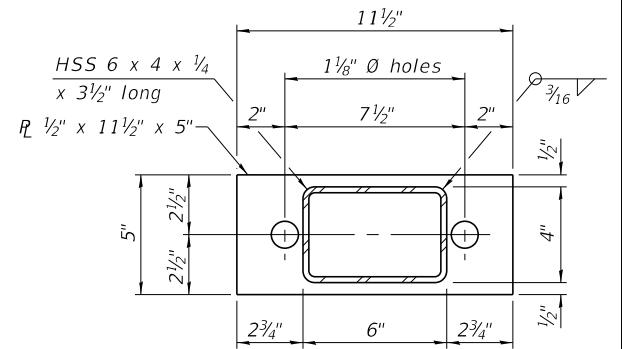
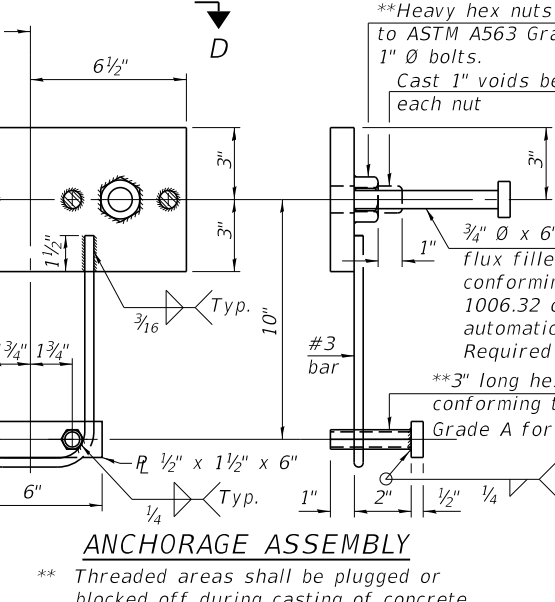
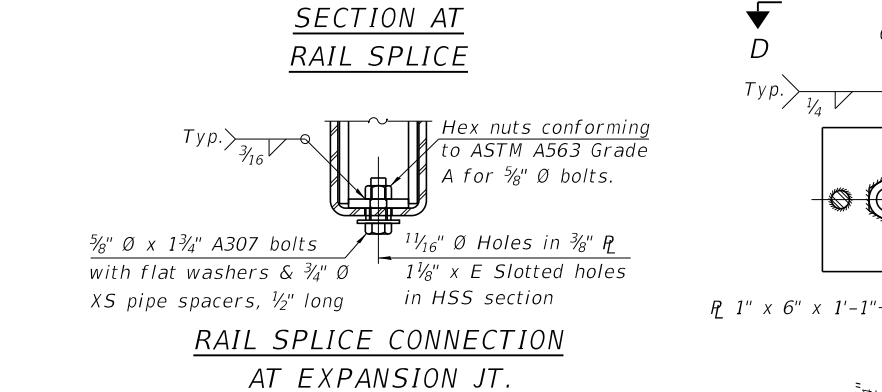
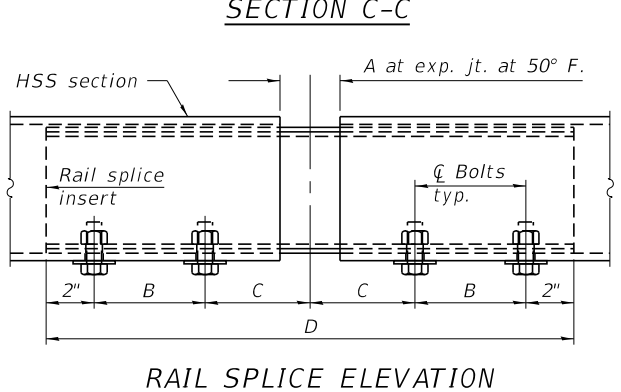
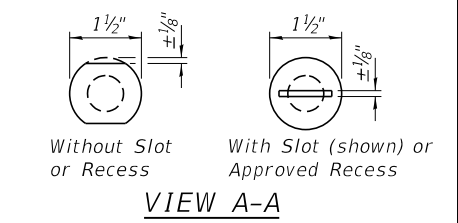
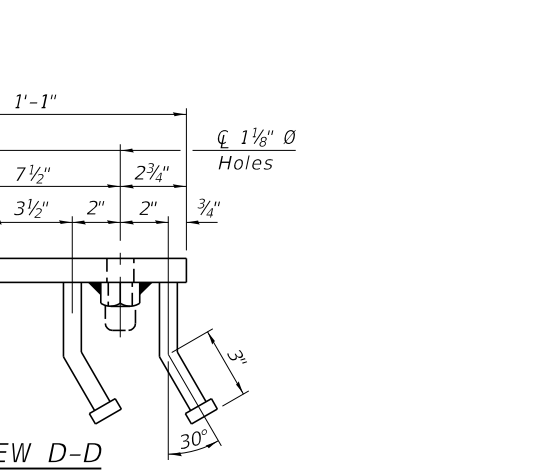
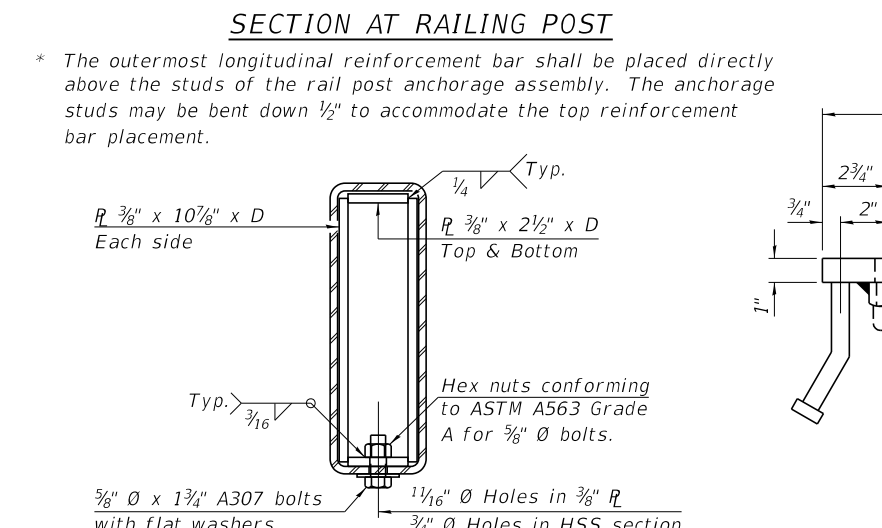
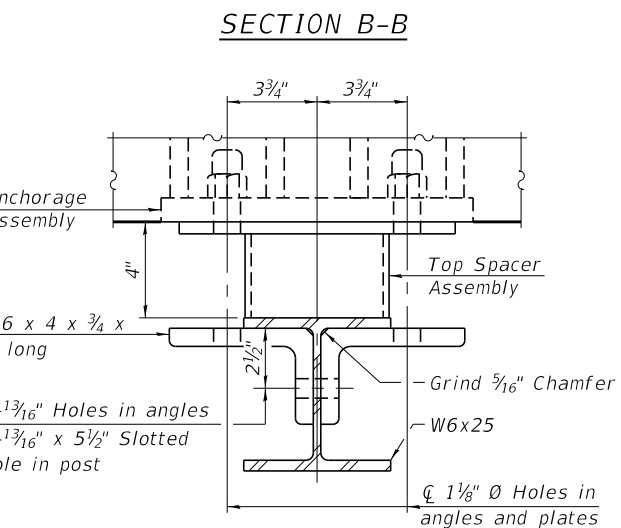
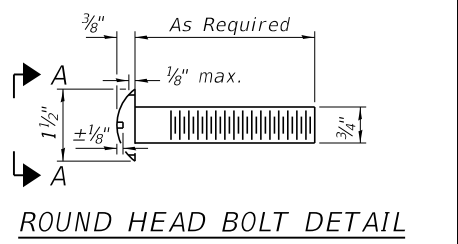
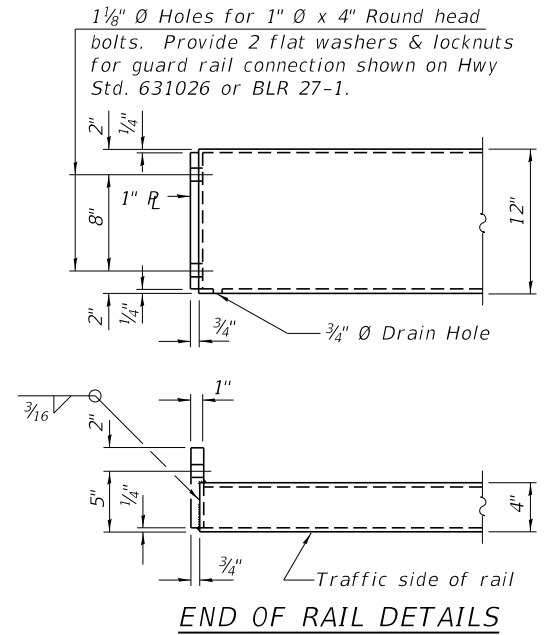
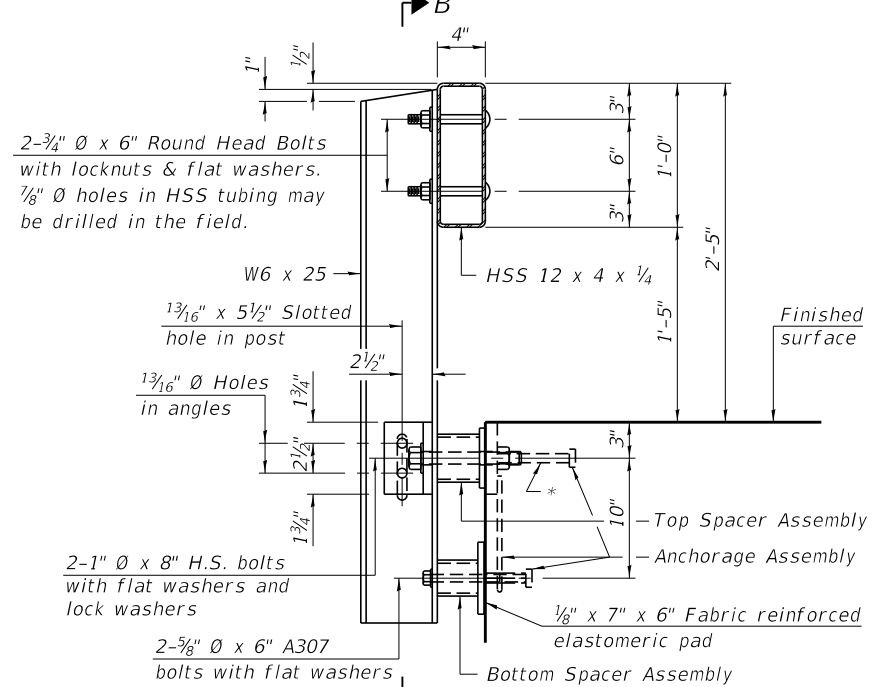
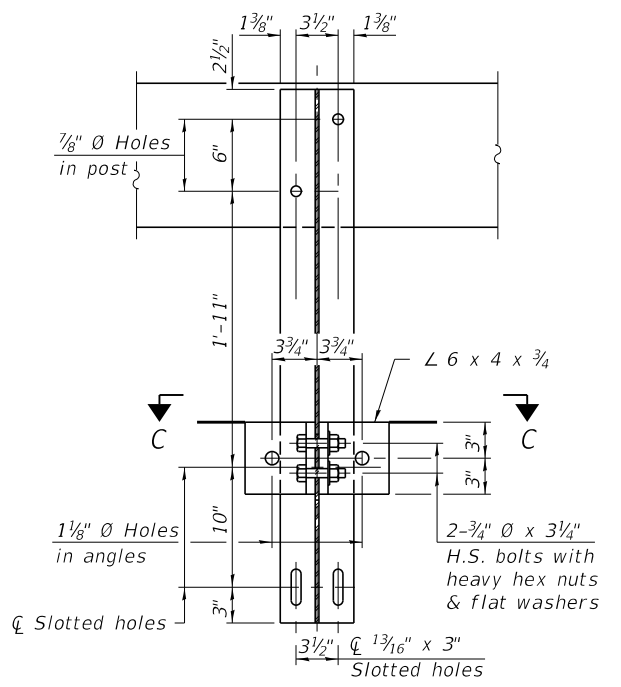
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185A	94-08111-00-BR	MOULTRIE	29	10
WHITLEY ROAD DISTRICT		CONTRACT NO. 95882		

ILLINOIS | FED. AID PROJECT 5TBC(829)



FILE NAME = 180454-shl-bridge.dgn	USER NAME = rmosick	DESIGNED - J.W.F.	REVISED -	<b>STATE OF ILLINOIS</b> <b>MOULTRIE COUNTY HIGHWAY DEPARTMENT</b>	<b>SUPERSTRUCTURE DETAILS</b> <b>STRUCTURE NO. 070-4826</b>	T.R.	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 -			185A	94-08111-00-BR	MOULTRIE	29	11
	PLOT DATE = 1/18/2022	DRAWN - M.M.P.	REVISED -			WHITLEY ROAD DISTRICT			CONTRACT NO. 95882	
		CHECKED - S.W.M.	REVISED -			ILLINOIS FED. AID PROJECT 5TBC(829)				

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.



**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"

**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 3/8"	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 1 3/16"
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.

**BILL OF MATERIAL**

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	120

R-23A 10-12-2021  
 FILE NAME = 180454-shi-bridge.dgn  
 USER NAME = rmosck  
 DESIGNED - J.W.F.  
 CHECKED - S.W.M.  
 PLOT SCALE =  
 PLOT DATE = 1/18/2022

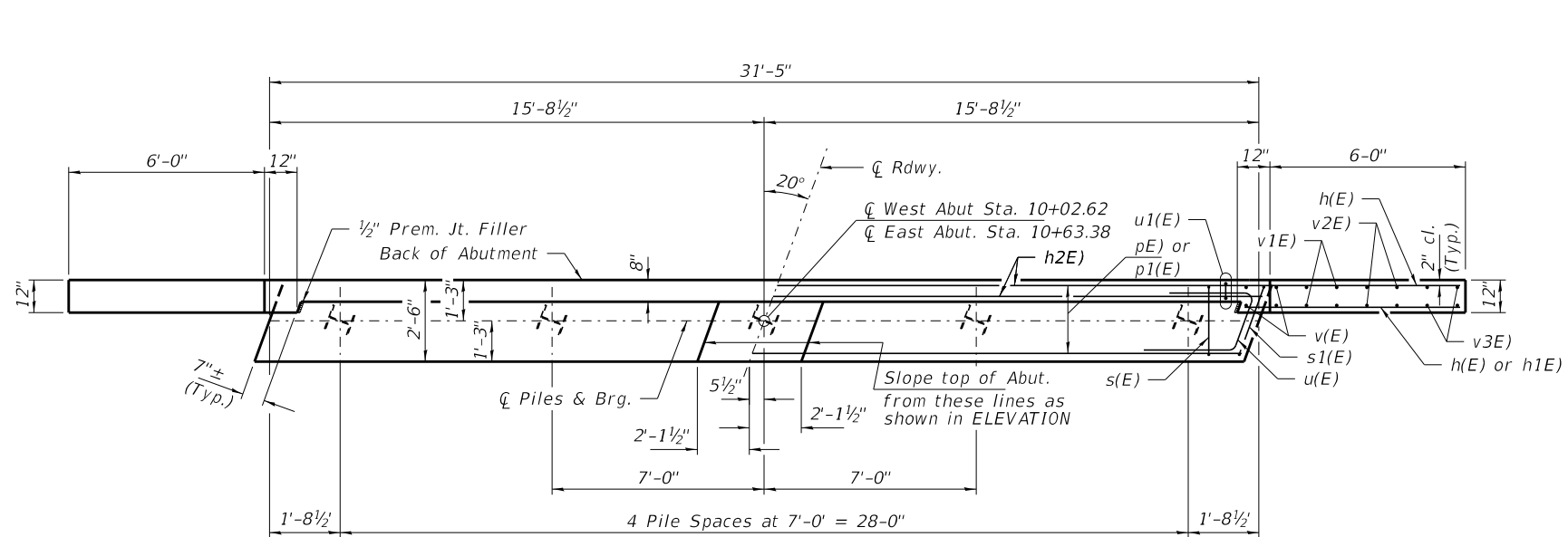
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 CHECKED - S.W.M.  
 DRAWN - M.M.P.  
 CHECKED - S.W.M.

STATE OF ILLINOIS  
 MOULTRIE COUNTY HIGHWAY DEPARTMENT

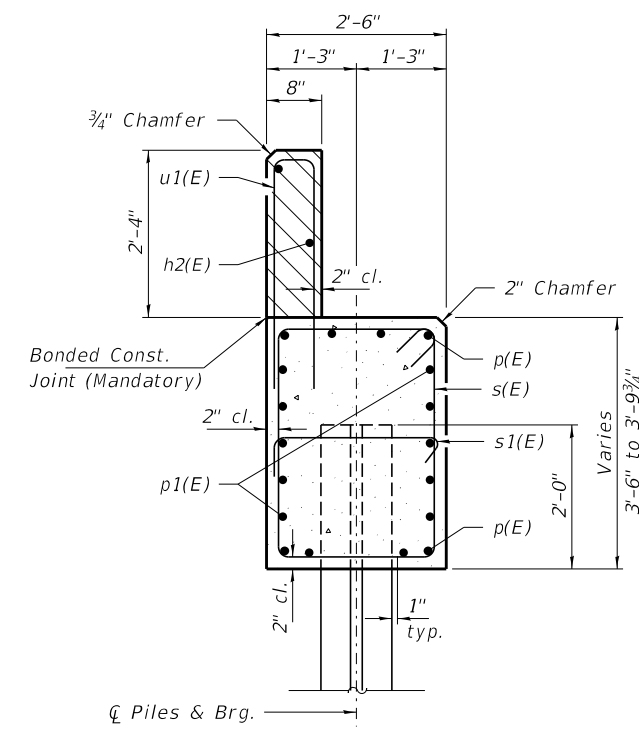
STEEL RAILING, TYPE S-1  
 STRUCTURE NO. 070-4826  
 SHEET NO. 6 OF 9 SHEETS

T.R. SECTION COUNTY TOTAL SHEETS SHEET NO.  
 185A 94-08111-00-BR MOULTRIE 29 12  
 WHITLEY ROAD DISTRICT CONTRACT NO. 95882  
 ILLINOIS FED. AID PROJECT 5TBC(829)





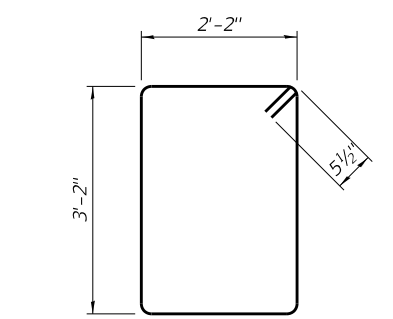
**PLAN**



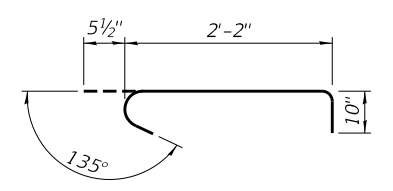
**SECTION A-A**

Hatched area to be poured after beams are in place.

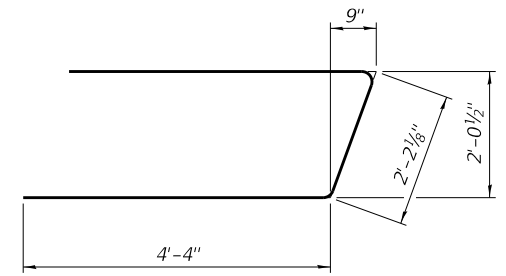
Cast top of wingwall flush with exterior beam face after beams have been erected.



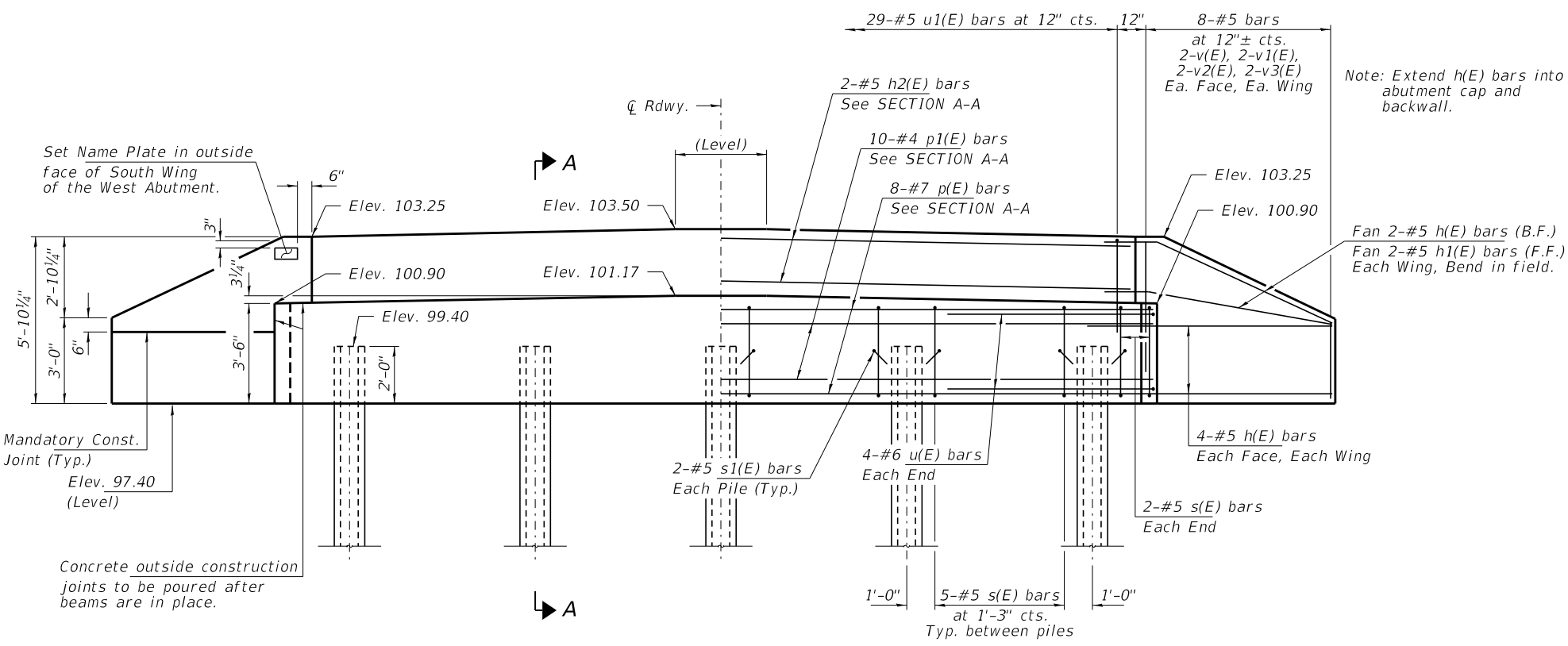
**BAR s(E)**



**BAR s1(E)**



**BAR u(E)**



**ELEVATION**

Set Name Plate in outside face of South Wing of the West Abutment.

Note: Extend h(E) bars into abutment cap and backwall.

Fan 2-#5 h(E) bars (B.F.)  
Fan 2-#5 h1(E) bars (F.F.)  
Each Wing, Bend in field.

Mandatory Const. Joint (Typ.)  
Elev. 97.40 (Level)

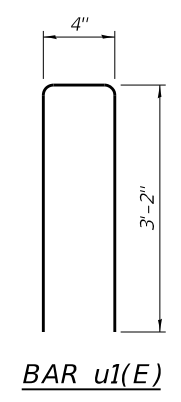
Concrete outside construction joints to be poured after beams are in place.

**PILE DATA**

Type: Steel Piles HP10x42  
Nominal Required Bearing: 335 Kips/Pile  
Factored Resistance Available: 184 Kips/Pile  
Est. Length: 50 Ft/Pile  
No. Production Piles: 9  
No. Test Piles: 1

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

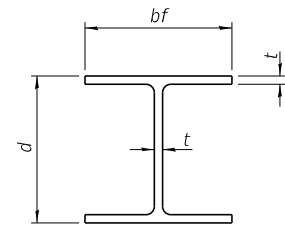
The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.



**BAR u1(E)**

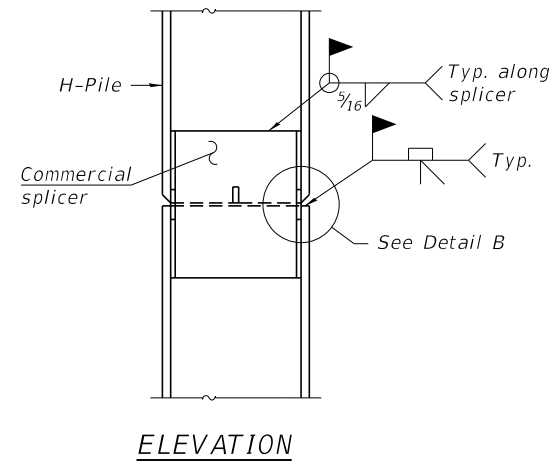
**BILL OF MATERIAL - 2 ABUTS.**

BAR	NO.	SIZE	LENGTH	SHAPE	
h(E)	40	#5	8'-3"	—	
h1(E)	8	#5	6'-9"	—	
h2(E)	4	#5	31'-1"	—	
p(E)	16	#7	31'-1"	—	
p1(E)	20	#4	31'-1"	—	
s(E)	48	#5	11'-7"	□	
s1(E)	20	#5	3'-6"	┌	
u(E)	16	#6	10'-11"	┌	
u1(E)	58	#5	6'-8"	┌	
v(E)	16	#5	5'-5"	—	
v1(E)	16	#5	4'-6"	—	
v2(E)	16	#5	3'-7"	—	
v3(E)	16	#5	2'-8"	—	
Concrete Structures				Cu. Yd.	29.2
Reinforcement Bars, Epoxy Coated				Pound	3,550
Steel Piles HP10x42				Foot	450
Test Pile Steel HP10x42				Each	1
Name Plates				Each	1

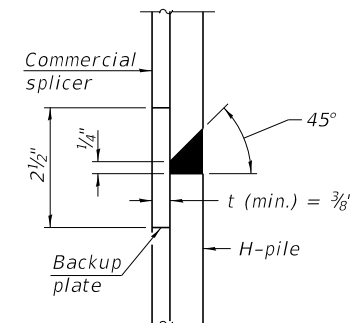


**STEEL PILE TABLE**

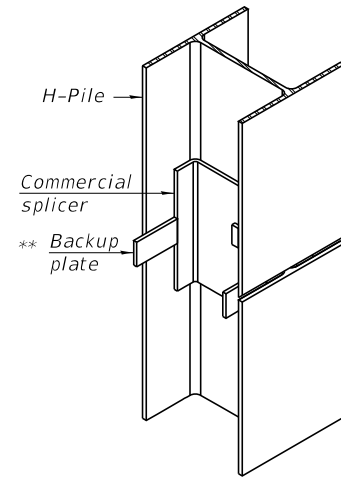
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 3/8"	14 3/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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



**ELEVATION**

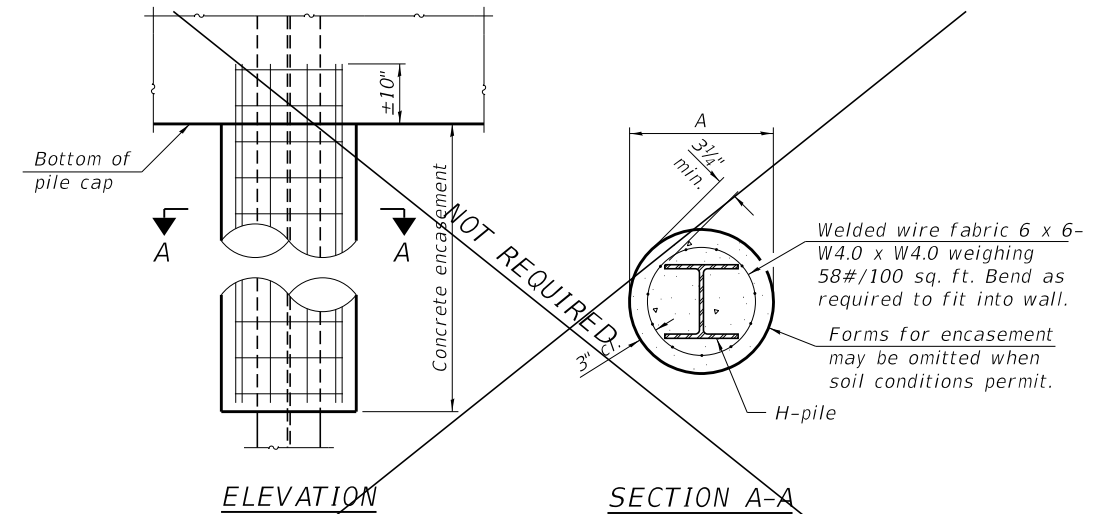


**DETAIL "B"**



**ISOMETRIC VIEW**

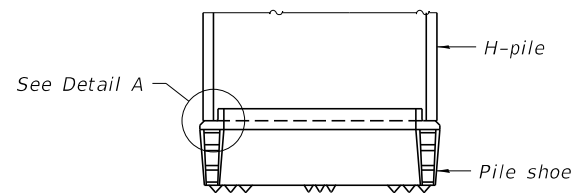
**WELDED COMMERCIAL SPLICE**



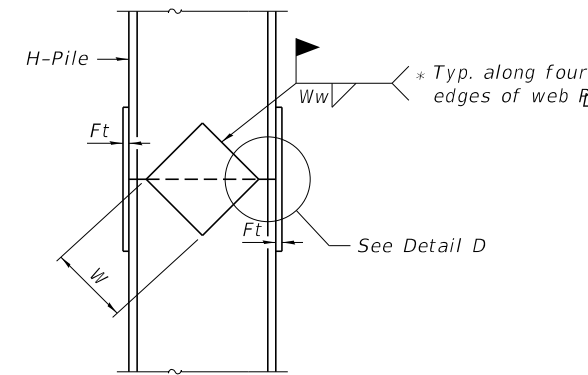
**ELEVATION**

**SECTION A-A**

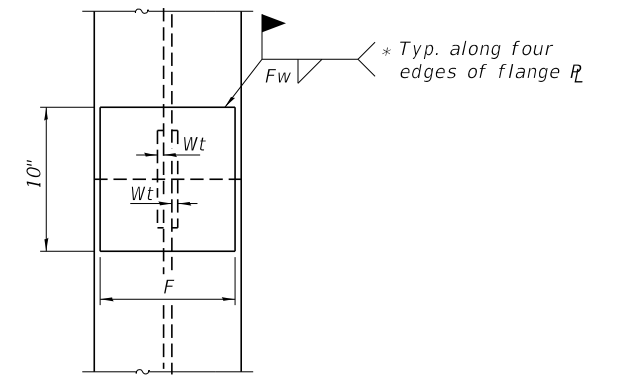
**INDIVIDUAL PILE CONCRETE ENCASUREMENT (when specified)**



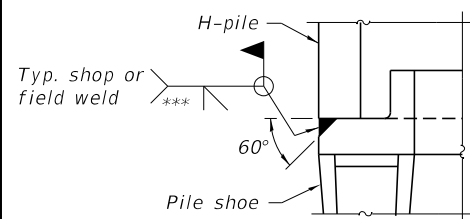
**ELEVATION**



**ELEVATION**

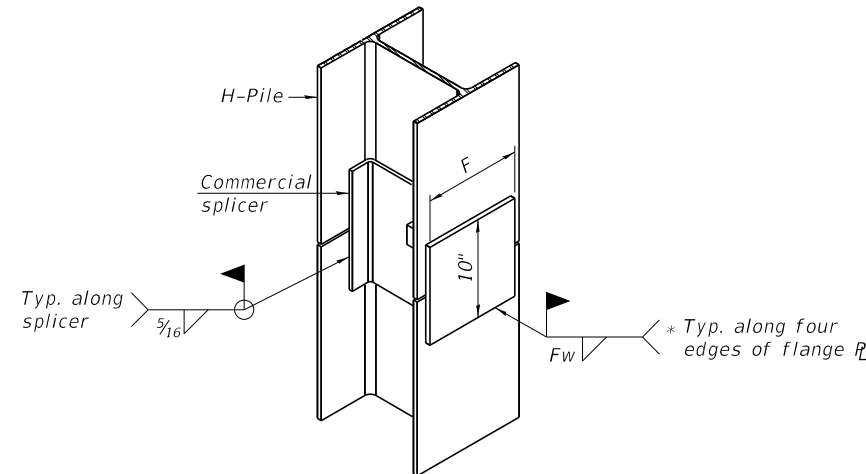


**END VIEW**



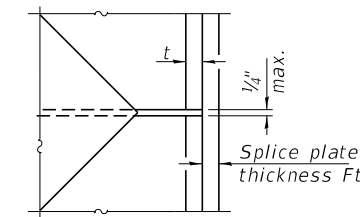
**DETAIL A**

**SHOE ATTACHMENT**



**ISOMETRIC VIEW**

**WELDED COMMERCIAL SPLICE ALTERNATE**



**DETAIL D**

**WELDED PLATE FIELD SPLICE**

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

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

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

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

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

F-HP 1-1-2020

FILE NAME = 180454-shi-brlridge.dgn	USER NAME = rmosck	DESIGNED - J.W.F.	REVISED -	<b>STATE OF ILLINOIS MOULTRIE COUNTY HIGHWAY DEPARTMENT</b>	<b>HP PILE DETAILS STRUCTURE NO. 070-4826</b>	T.R.	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 -			185A	94-08111-00-BR	MOULTRIE	29	14
	PLOT DATE = 1/18/2022	DRAWN - M.M.P.	REVISED -			WHITLEY ROAD DISTRICT		CONTRACT NO. 95882		
		CHECKED - S.W.M.	REVISED -			SHEET NO. 8 OF 9 SHEETS		ILLINOIS   FED. AID PROJECT 5TBC(829)		

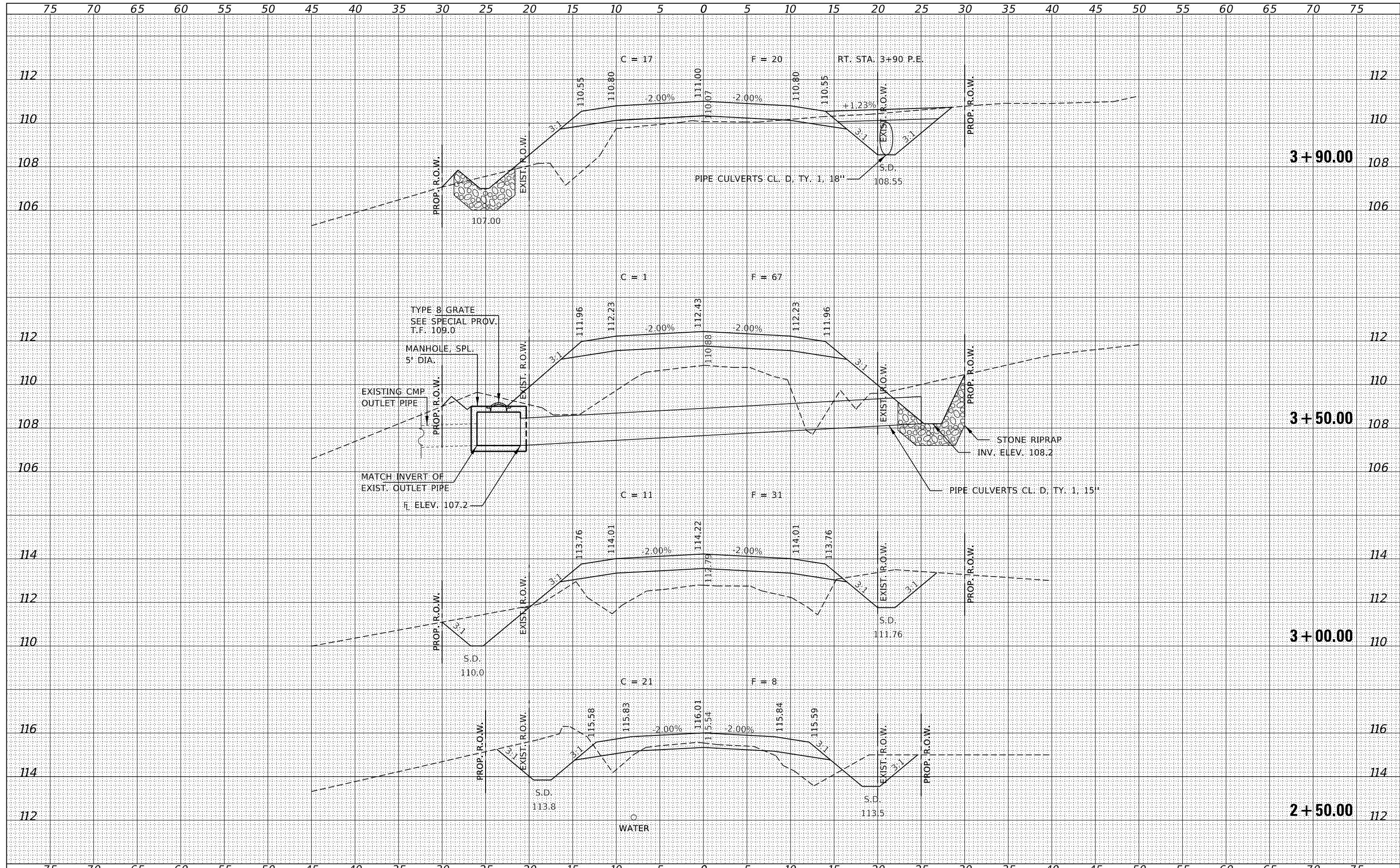






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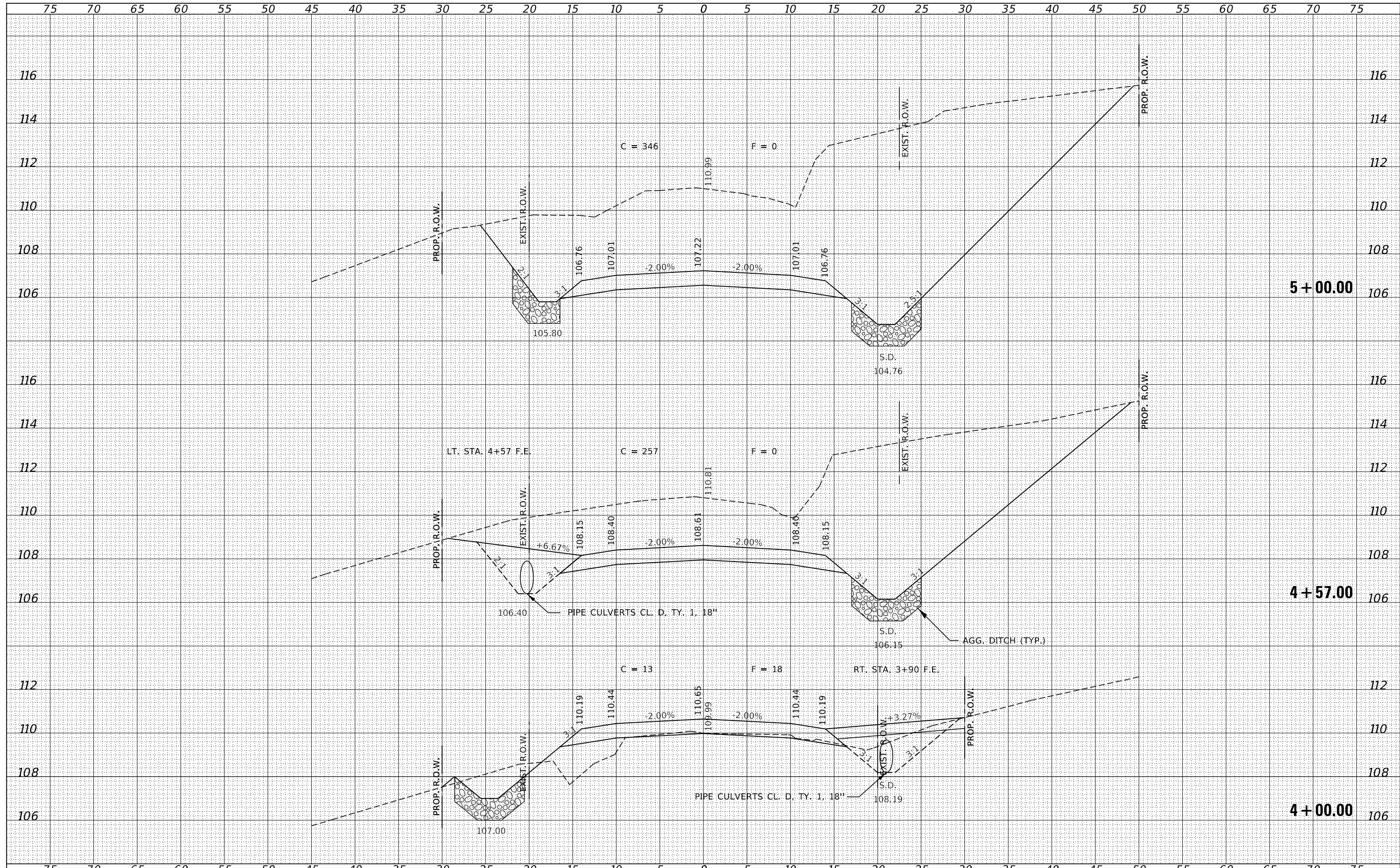
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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - M.M.P.	REVISED -		185A	94-08111-00-BR	MOULTRIE	29	17		
3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.009958		CHECKED - S.W.M.	REVISED -		WHITLEY ROAD DISTRICT		CONTRACT NO. 95882				
		PLOT SCALE = \$SCALE\$	REVISED -		SCALE: 5H:2V	SHEET NO. 2 OF 14 SHEETS	STA. 2+50.00 TO STA. 3+90.00	ILLINOIS FED. AID PROJECT 5TBC(829)			
		PLOT DATE = 1/18/2022	REVISED -								

DATE	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
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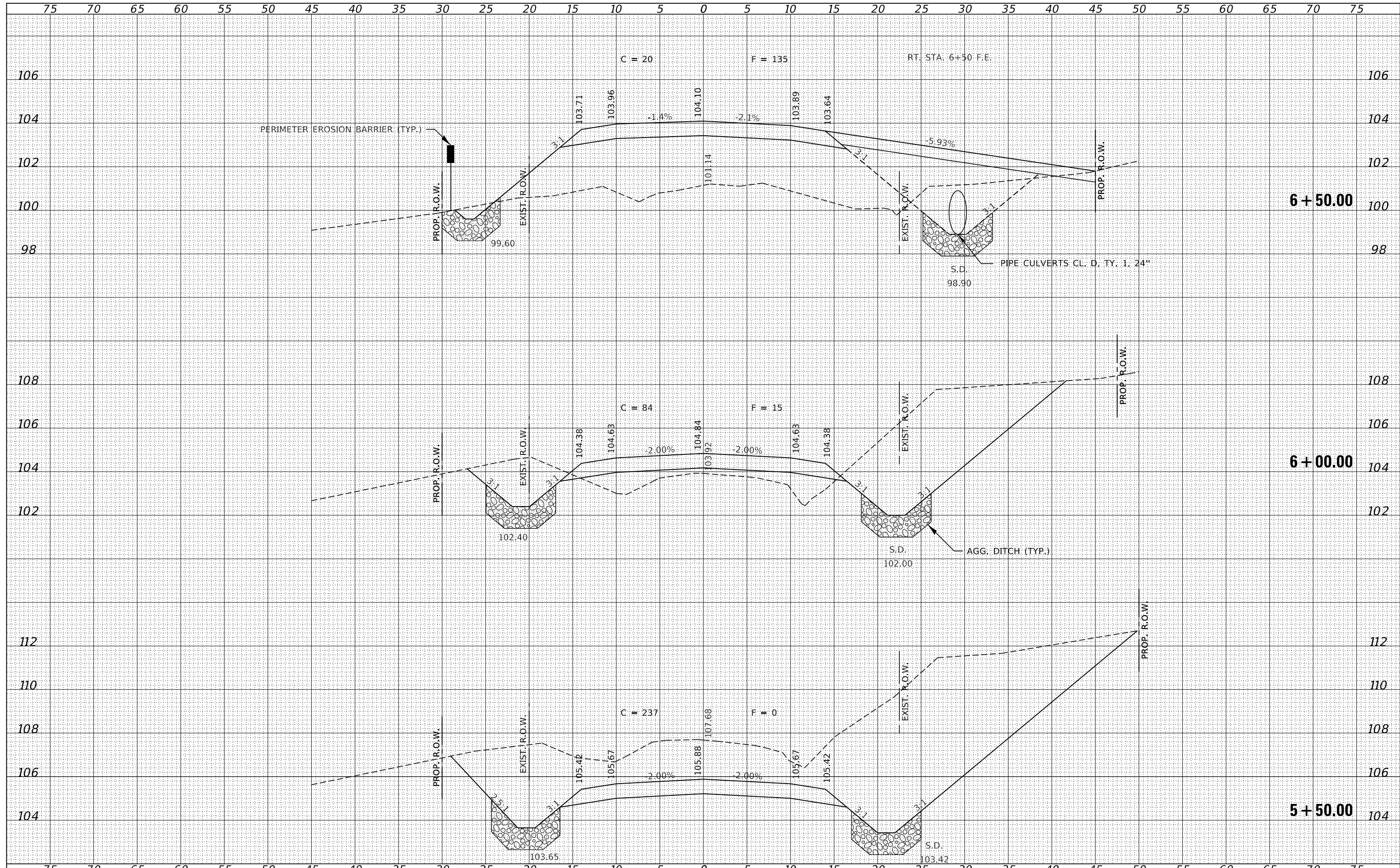


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HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.009958	PLOT SCALE = \$S\$CALES	DRAWN - M.M.P.	REVISED -		185A	94-08111-00-BR	MOULTRIE	29	18
PLOT DATE = 1/18/2022	DATE - 01/17/2022	CHECKED - S.W.M.	REVISED -		WHITLEY ROAD DISTRICT		CONTRACT NO. 95882		
		REVISOR -	REVISED -		ILLINOIS		FED. AID PROJECT 5TBC(829)		

SCALE: 5H:2V      SHEET NO. 3 OF 14 SHEETS      STA. 4+00.00 TO STA. 5+00.00

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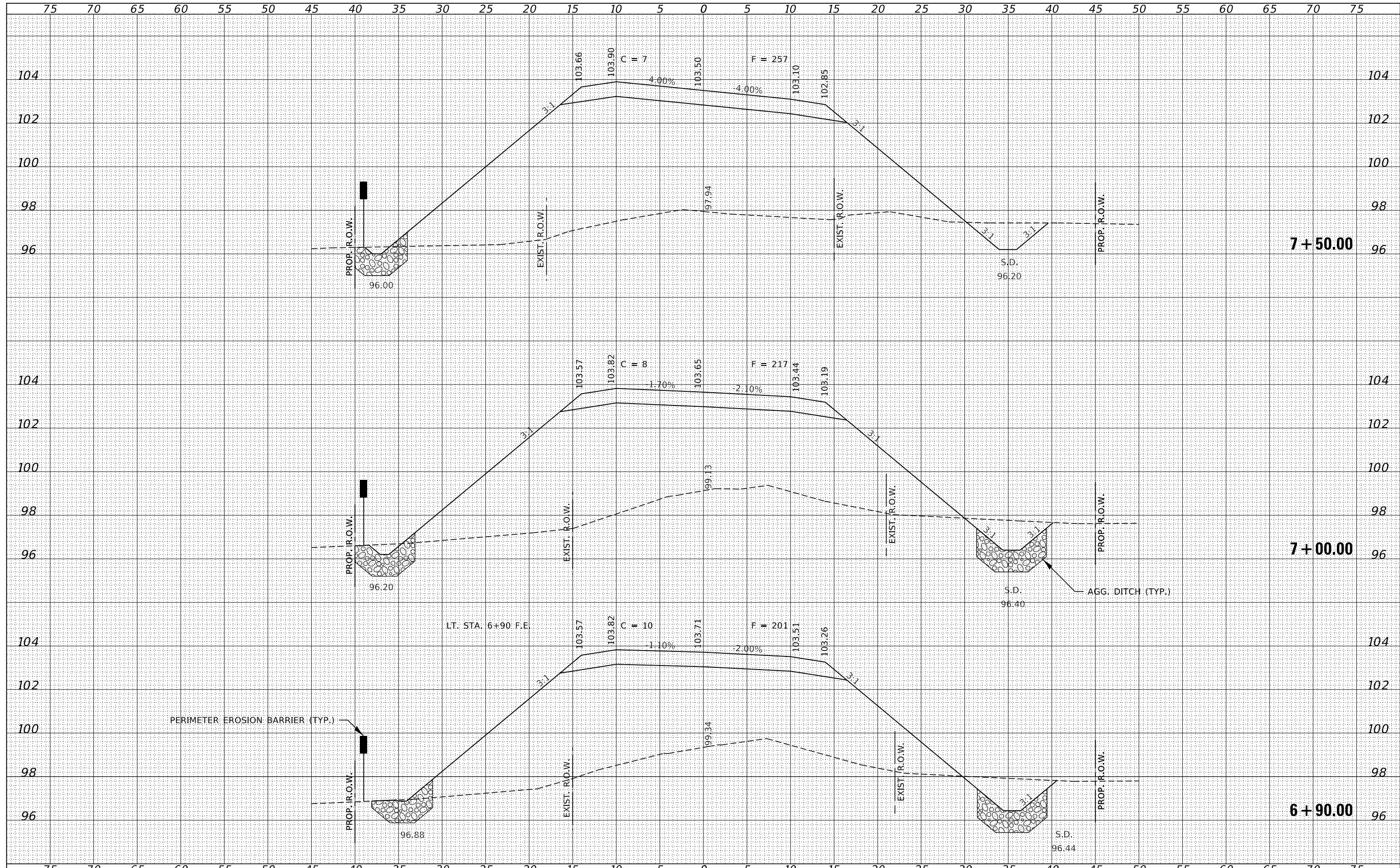
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HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.009958	PLOT SCALE = \$SCALE\$	DRAWN - M.M.P.	REVISED -		SCALE: 5H:2V	SHEET NO. 4 OF 14 SHEETS	STA. 5+50.00 TO STA. 6+50.00	185A	94-08111-00-BR	MOULTRIE	29	19
PLOT DATE = 1/18/2022	DATE - 01/17/2022	CHECKED - S.W.M.	REVISED -		WHITLEY ROAD DISTRICT			CONTRACT NO. 95882				
		DATE - 01/17/2022	REVISED -				ILLINOIS FED. AID PROJECT 5TBC(829)					

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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FINAL SURVEY	
NOTE BOOK	
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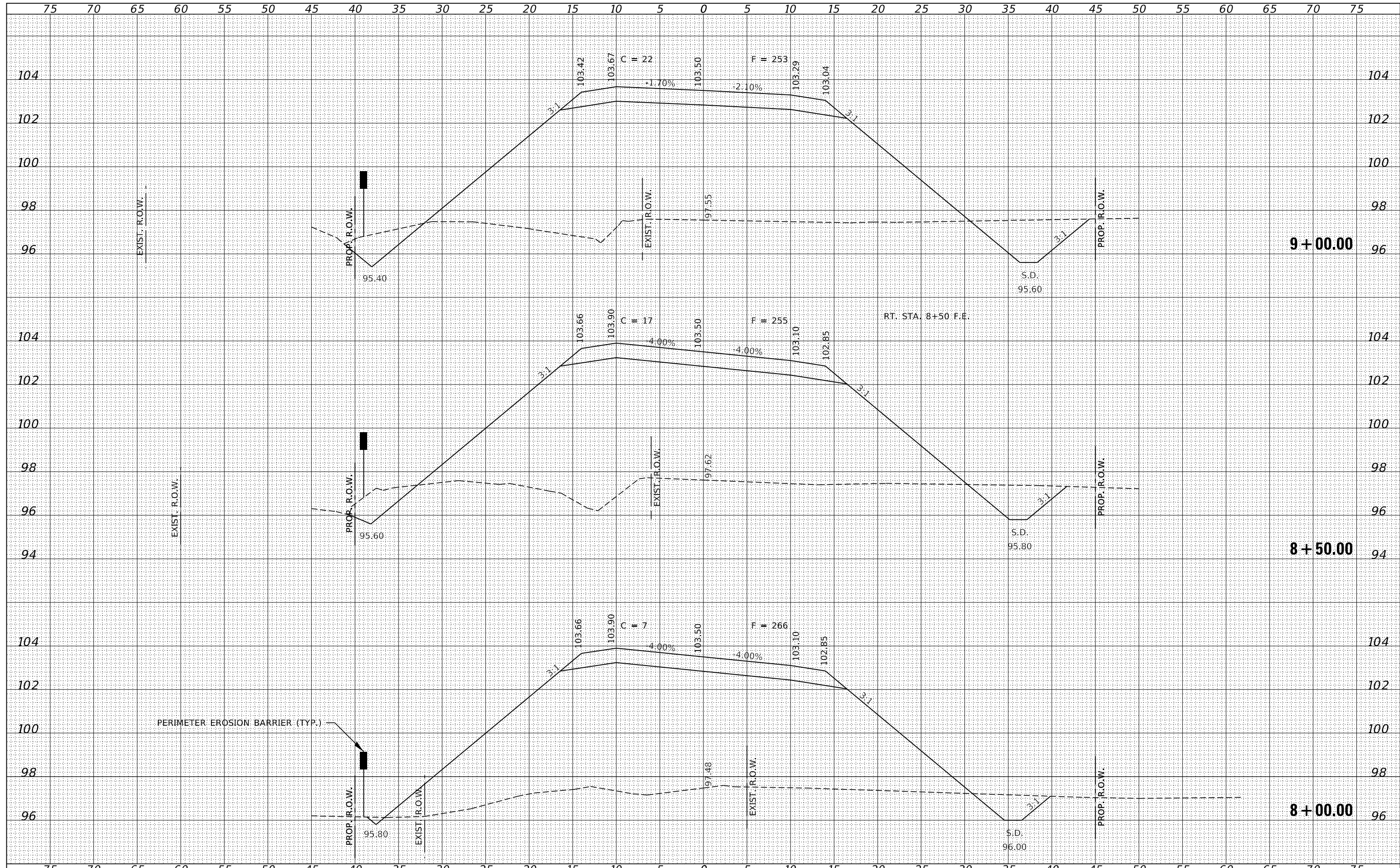


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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - M.M.P.	REVISED -		185A	94-08111-00-BR	MOULTRIE	29	20		
3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.009958		CHECKED - S.W.M.	REVISED -		WHITLEY ROAD DISTRICT		CONTRACT NO. 95882		ILLINOIS FED. AID PROJECT 5TBC(829)		
PLOT SCALE = \$SCALES		DATE - 01/17/2022	REVISED -		SCALE: 5H:2V	SHEET NO. 5 OF 14 SHEETS	STA. 6+90.00 TO STA. 7+50.00				



DATE	
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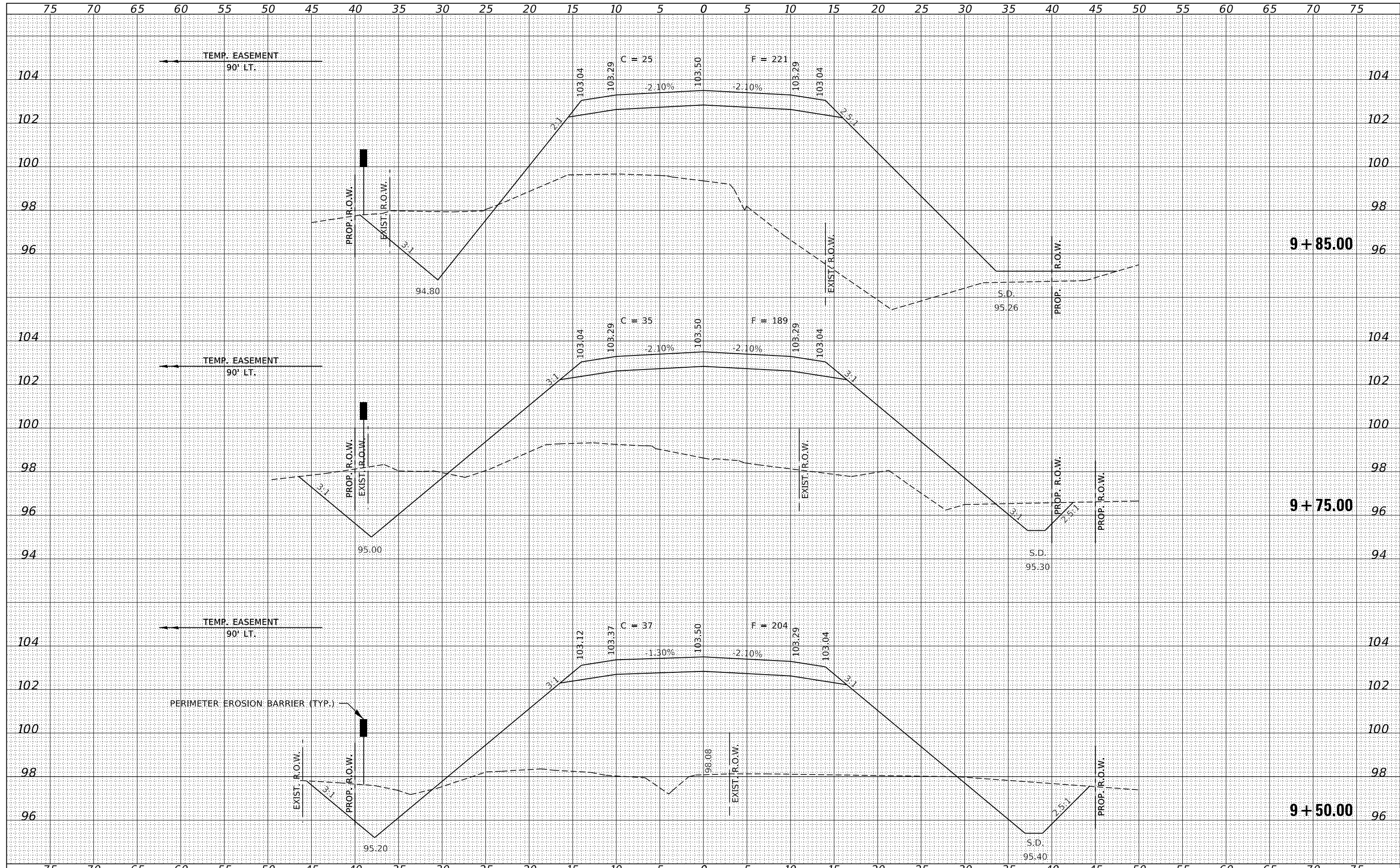
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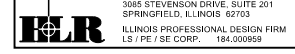
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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - M.M.P.	REVISED -		185A	94-08111-00-BR	MOULTRIE	29	21			
3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E. CORP. 184-009958		CHECKED - S.W.M.	REVISED -		WHITLEY ROAD DISTRICT			CONTRACT NO. 95882				
		DATE - 01/17/2022	REVISED -		SCALE: 5H:2V	SHEET NO. 6 OF 14 SHEETS	STA. 8+00.00 TO STA. 9+00.00	ILLINOIS FED. AID PROJECT 5TBC(829)				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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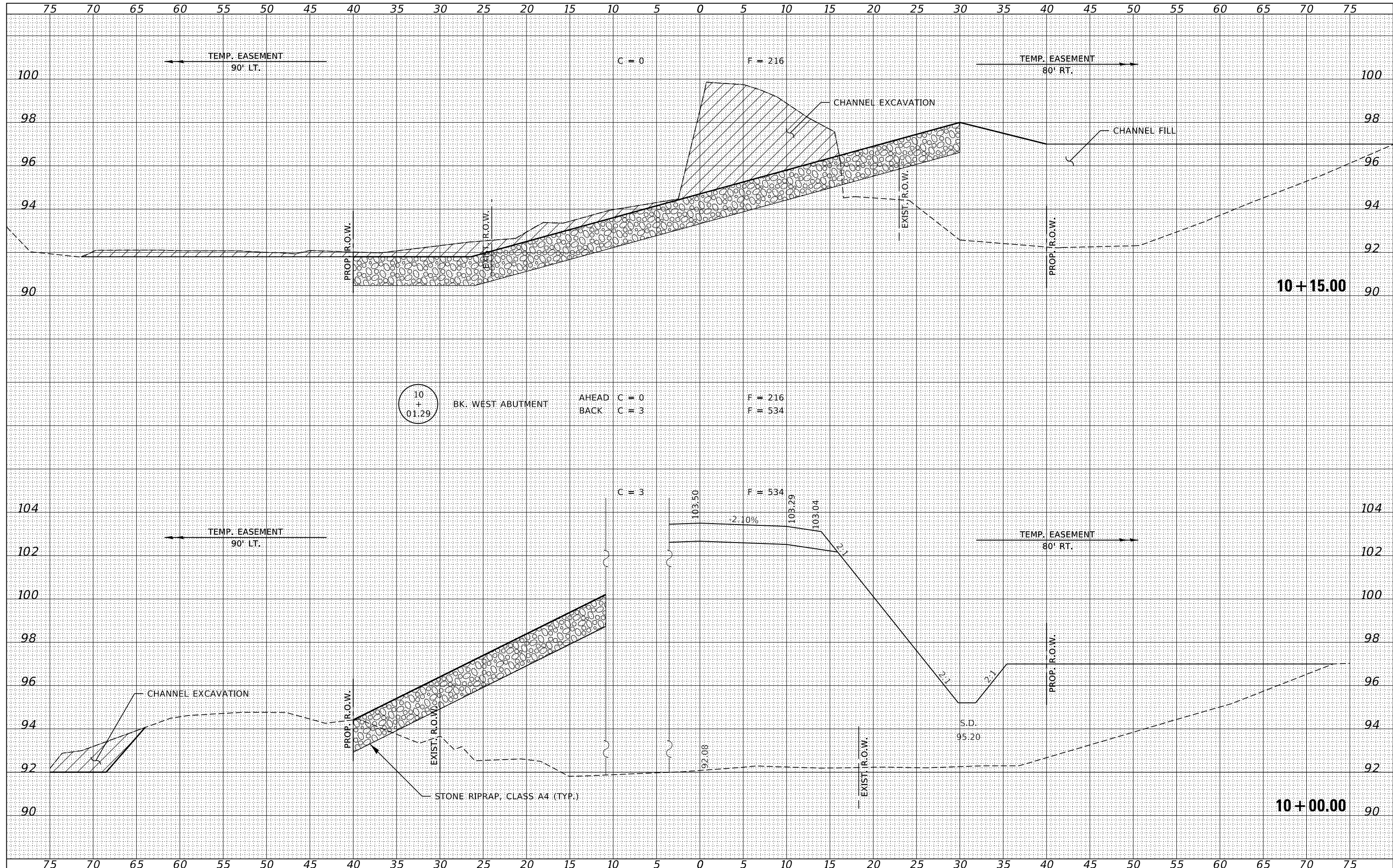
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HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L/S / P/E / SE CORP. 184.009958	PLOT SCALE = \$SCALE\$	DRAWN - M.M.P.	REVISD -		185A	94-08111-00-BR	MOULTRIE	29	22			
PLOT DATE = 1/18/2022	DATE - 01/17/2022	CHECKED - S.W.M.	REVISD -		WHITLEY ROAD DISTRICT			CONTRACT NO. 95882				
		DATE - 01/17/2022	REVISD -		ILLINOIS FED. AID PROJECT 5TBC(829)							



SCALE: 5H:2V SHEET NO. 7 OF 14 SHEETS STA. 9+50.00 TO STA. 9+85.00

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



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 USER NAME = rmosck  
 DESIGNED - S.W.M.  
 DRAWN - M.M.P.  
 CHECKED - S.W.M.  
 DATE - 01/17/2022

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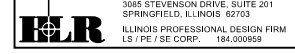
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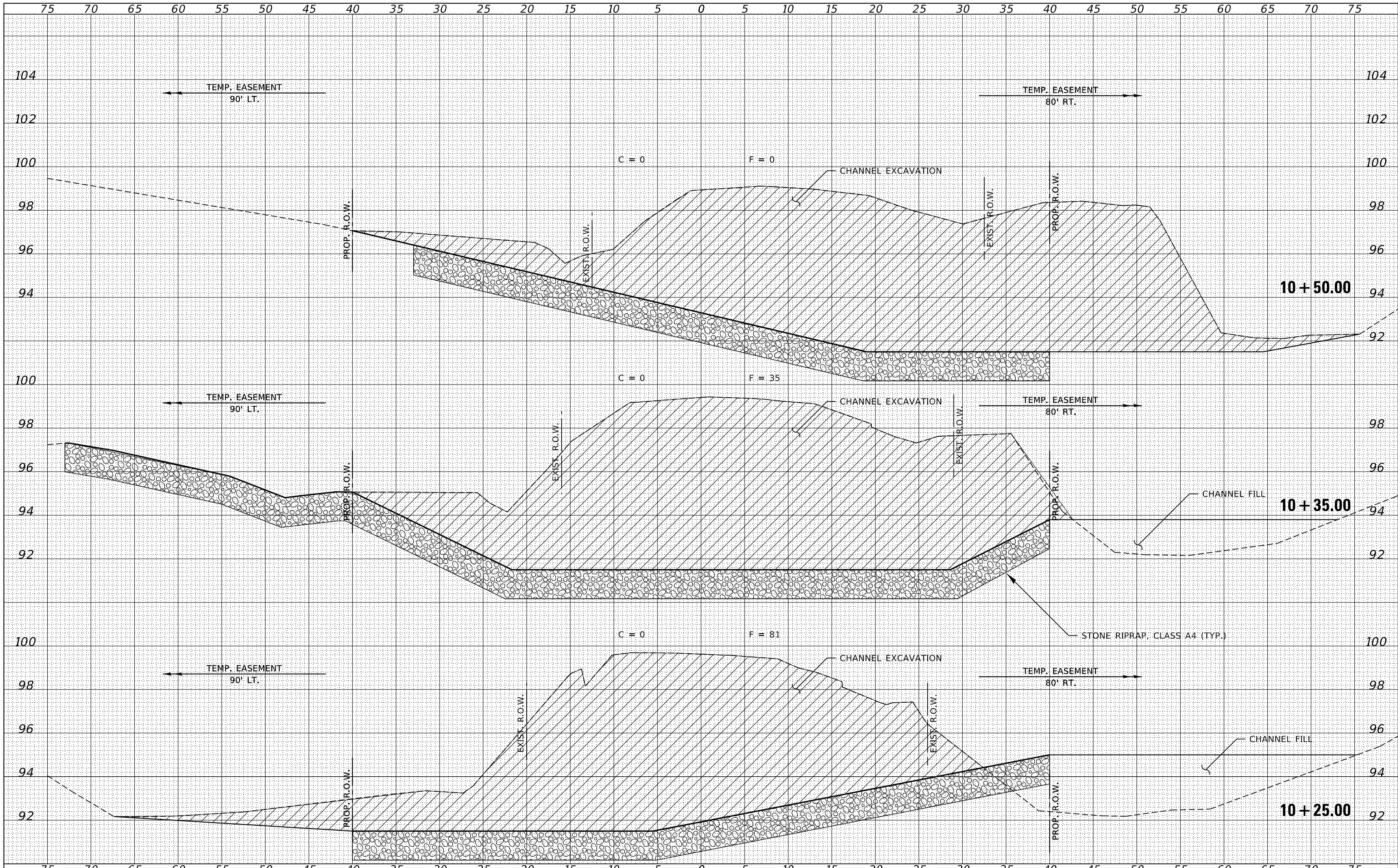
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STATE OF ILLINOIS  
 MOULTRIE COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS  
 SCALE: 5H:2V  
 SHEET NO. 8 OF 14 SHEETS  
 STA. 10+15.00 TO STA. 10+35.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185A	94-08111-00-BR	MOULTRIE	29	23
WHITLEY ROAD DISTRICT			CONTRACT NO. 95882	
ILLINOIS FED. AID PROJECT 5TBC(829)				





DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
AREAS CHECKED SURVEY	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
AREAS CHECKED SURVEY	
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FILE NAME = 180454-cht-xssheet.dgn  
 HAMPTON, LENZINI AND RENWICK, INC.  
 3885 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62703  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 L.S. / P.E. / S.E. CORP. 184.000958

USER NAME = rmosck  
 PLOT SCALE = \$SCALE\$  
 PLOT DATE = 1/18/2022

DESIGNED - S.W.M.  
 DRAWN - M.M.P.  
 CHECKED - S.W.M.  
 DATE - 01/17/2022

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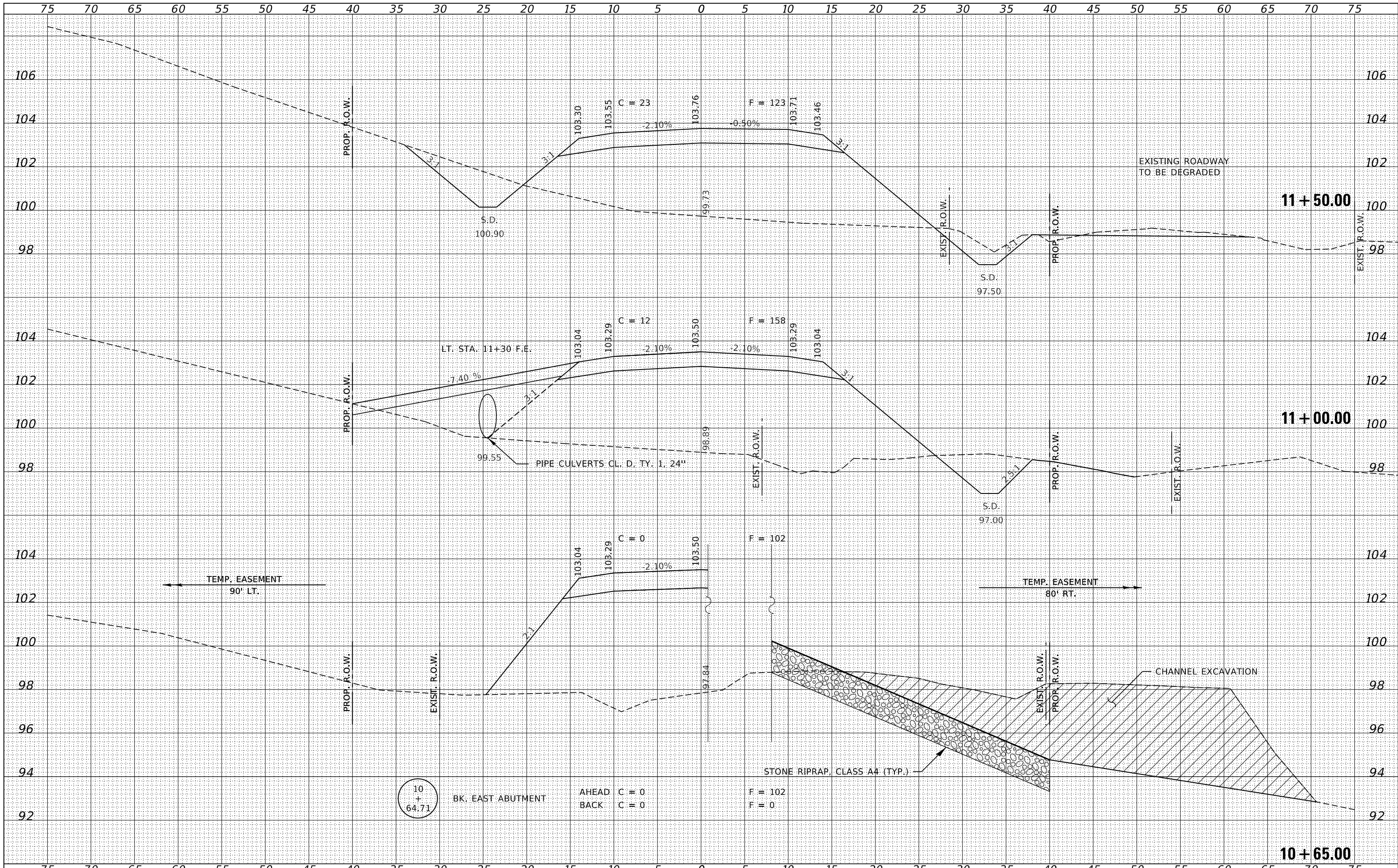
STATE OF ILLINOIS  
 MOULTRIE COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS  
 SCALE: 5H:2V  
 SHEET NO. 9 OF 14 SHEETS  
 STA. 10+50.00 TO STA. 11+50.00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185A	94-08111-00-BR	MOULTRIE	29	24
WHITLEY ROAD DISTRICT			CONTRACT NO. 95882	
ILLINOIS FED. AID PROJECT 5TBC(829)				

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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FILE NAME = 180454-cht-xssheet.dgn  
 USER NAME = rmosck  
 DESIGNED - S.W.M.  
 DRAWN - M.M.P.  
 CHECKED - S.W.M.  
 DATE - 01/17/2022

PLOT SCALE = \$SCALES  
 PLOT DATE = 1/18/2022

REVISIED -  
 REVISIED -  
 REVISIED -  
 REVISIED -

STATE OF ILLINOIS  
 MOULTRIE COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS  
 SCALE: 5H:2V  
 SHEET NO. 10 OF 14 SHEETS  
 STA. 10+50.00 TO STA. 11+50.00

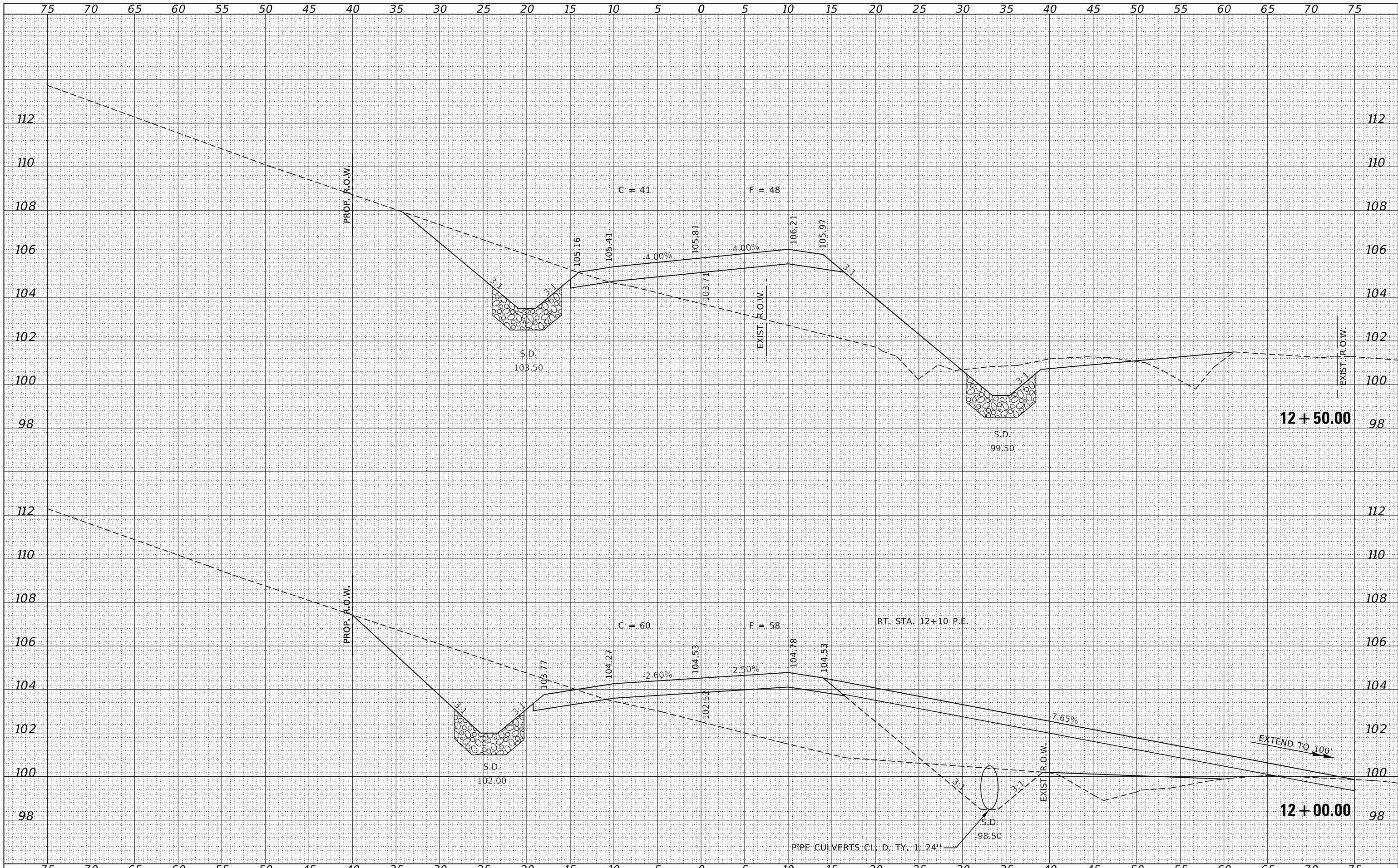
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185A	94-08111-00-BR	MOULTRIE	29	25
WHITLEY ROAD DISTRICT			CONTRACT NO. 95882	

ILLINOIS FED. AID PROJECT 5TBC(829)



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

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



FILE NAME = 180454-cht-xssheet.dgn  
 HAMPSON, LENZINI AND RENWICK, INC.  
 3885 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62703  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 L.S. / P.E. / S.E. CORP. 184-009958

USER NAME = rmosick  
 PLOT SCALE = \$SCALE\$  
 PLOT DATE = 1/18/2022

DESIGNED - S.W.M.  
 DRAWN - M.M.P.  
 CHECKED - S.W.M.  
 DATE - 01/17/2022

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 MOULTRIE COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS  
 SCALE: 5H:2V  
 SHEET NO. 11 OF 14 SHEETS  
 STA. 12+00.00 TO STA. 12+50.00

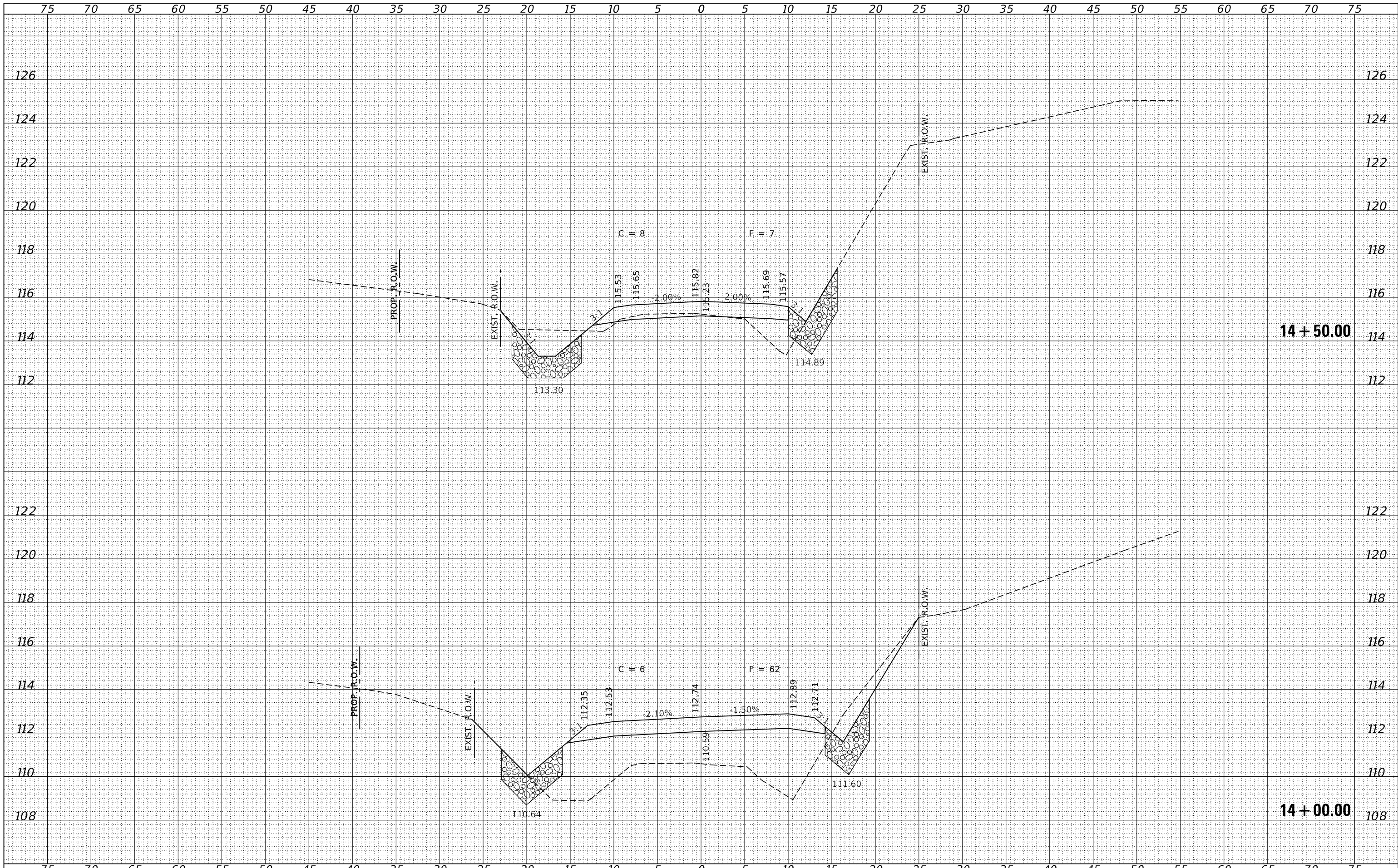
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185A	94-08111-00-BR	MOULTRIE	29	26
WHITLEY ROAD DISTRICT			CONTRACT NO. 95882	
ILLINOIS FED. AID PROJECT 5TBC(829)				





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

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



FILE NAME = 180454-cht-xssheet.dgn	USER NAME = rmosck	DESIGNED - S.W.M.	REVISD -	<p align="center"><b>STATE OF ILLINOIS</b> <b>MOULTRIE COUNTY HIGHWAY DEPARTMENT</b></p> <p align="center"><b>STATION CROSS SECTIONS</b></p>	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.009958	PLOT SCALE = \$SCALE\$	DRAWN - M.M.P.	REVISD -		185A	94-08111-00-BR	MOULTRIE	29	28
PLOT DATE = 1/18/2022	DATE - 01/17/2022	CHECKED - S.W.M.	REVISD -		WHITLEY ROAD DISTRICT		CONTRACT NO. 95882		
		DATE - 01/17/2022	REVISD -		SCALE: 5H:2V		SHEET NO. 13 OF 14 SHEETS		STA. 14+00.00 TO STA. 14+50.00

**14 + 00.00**

**14 + 50.00**

