

11/07/2025 LETTING ITEM 125

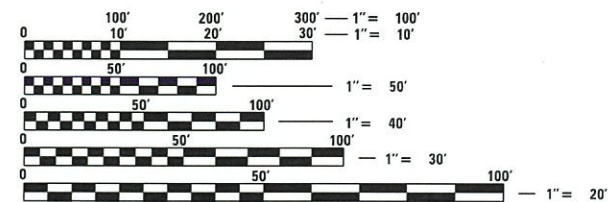
FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PROPOSED
HIGHWAY PLANS
SPECIAL BRIDGE PROGRAM**

ROUTE M.S. 899 (PRATT ROAD)
SECTION 21-00048-00-BR
PROJECT FK1D(575)
BRIDGE REPLACEMENT
DEKALB COUNTY

C-93-006-26

RANGE 5 EAST OF 3RD P.M.

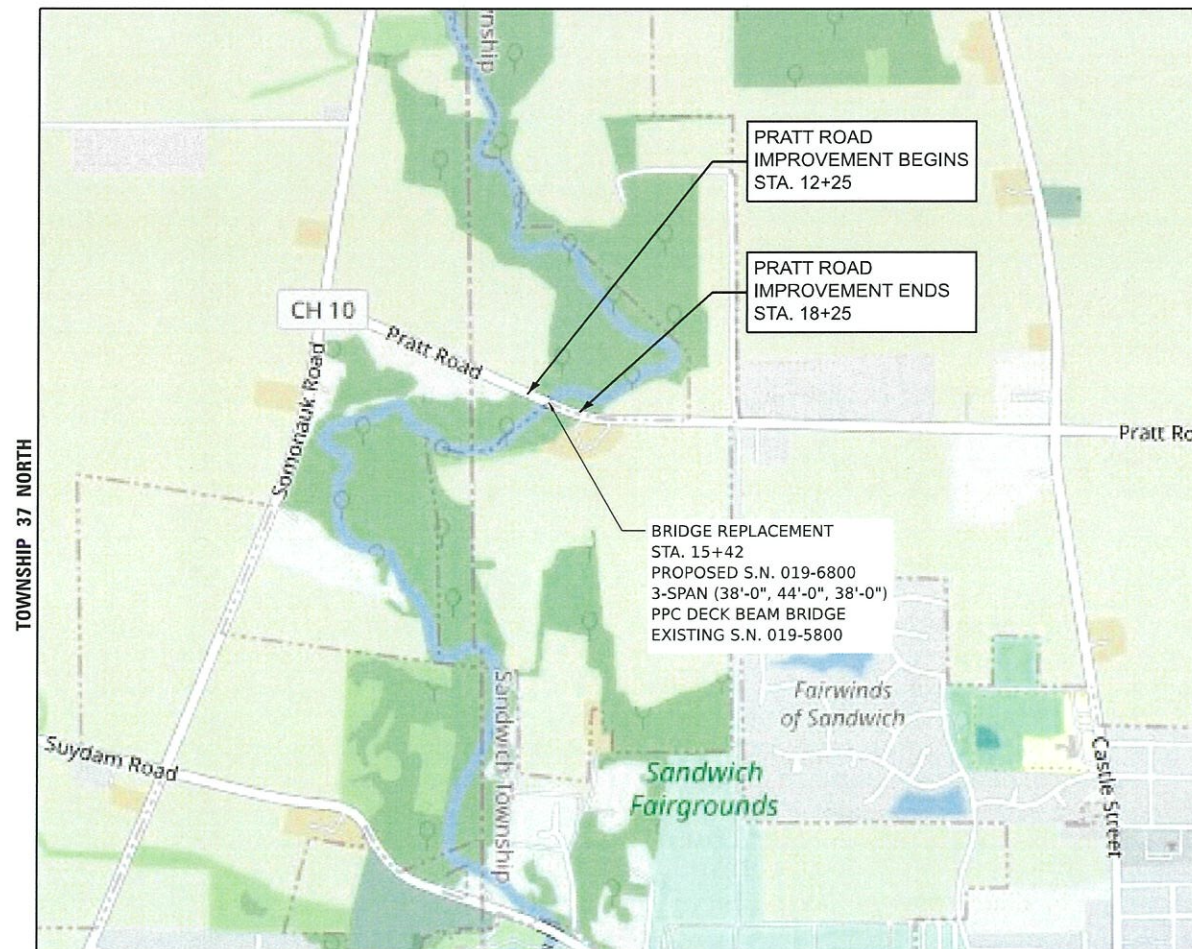


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

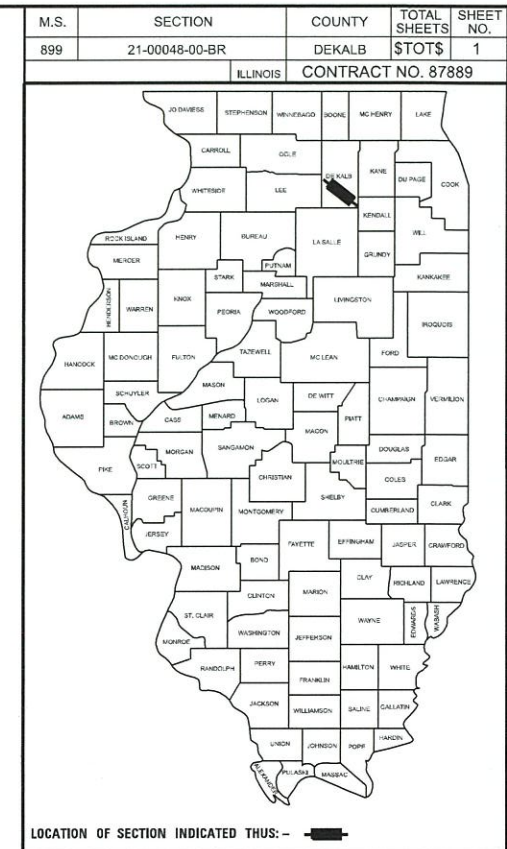
PROJECT ENGINEER: IAN NILAUSEN, PE, SE
PROJECT MANAGER: TROY STRANGE, PE

CONTRACT NO. 87889



LOCATION MAP
SCALE: N.T.S.

GROSS LENGTH = 600 FT. = 0.114 MILE
NET LENGTH = 600 FT. = 0.114 MILE



FUNCTIONAL CLASSIFICATION
RURAL LOCAL ROAD
2025 ADT = 611
2025 ADTT = 336
55 MPH (POSTED) 50 MPH (DESIGN)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	August 14, 2025 Jai Luth CITY OF SANDWICH
PASSED	August 27, 2025 [Signature] DISTRICT 3 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	August 27, 2025 Julia Thompson REGION 2 ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

DATE 8/21/2025 TROY STRANGE 062-068568 STATE OF ILLINOIS EXPIRES NOV. 30, 2025	Hampton, Lenzini and Renwick, Inc. Civil Engineers • Structural Engineers Land Surveyors • Environmental Services 1707 N RANDALL ROAD, SUITE 100 ELGIN, ILLINOIS 60123 847.697.6700 www.hlrengineering.com 184.000959 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION
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INDEX OF SHEETS

SHEET NO. DESCRIPTION

1.	COVER SHEET
2.	INDEX AND GENERAL NOTES
3.	TYPICAL CROSS SECTIONS
4-5.	SUMMARY OF QUANTITIES
6.	SCHEDULES OF QUANTITIES
7.	ALIGNMENT, TIES AND BENCHMARKS
8-9.	PLAN AND PROFILE
10.	SUPERELEVATION DIAGRAM
11.	SHOULDER AND GUARDRAIL LAYOUT
12.	DETOUR PLAN
13.	EROSION CONTROL AND RESTORATION PLAN
14-32.	BRIDGE PLANS SN 019-6800
33-47.	STATION CROSS SECTIONS

STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-04	NAME PLATE FOR BRIDGES
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631032-10	TRAFFIC BARRIER TERMINAL, TYPE 6A
701901-10	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

CITY OF SANDWICH NICK GRUBE STREET DEPARTMENT 144 E. RAILROAD STREET SANDWICH, IL 60548 815.786.9321	AT&T DISTRIBUTION RICHARD KOPEC 1000 COMMERCE DRIVE OAKBROOK, IL 60523 630.632.3148
COMED JAMIE GADDIS ONE LINCOLN CENTER OAKBROOK TERRACE, IL 60181 630.294-4732	METRONET LORI KEMPER 3701 COMMUNICATION WAY EVANSVILLE, IN 47715 812.213.1050
DEKALB COUNTY HIGHWAY DEPARTMENT NATHAN SCHWARTZ 1826 BARBER GREENE ROAD DEKALB, IL 60115 815.756.9513	NICOR KAREY ANN JOHNSON 1844 FERRY RD NAPERVILLE, IL 60563
	FRONTIER JOHN GILLOTT 112 W. ELM ST. SYCAMORE, IL 60178 815.780.7570

GENERAL NOTES

ALL WORK SHALL BE IN ACCORDANCE WITH THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED JANUARY 1, 2022, (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," ADOPTED JANUARY 1, 2025; "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS"; 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 CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AT THE TIME OF LETTING.

THE CONTRACTOR SHALL COOPERATE WITH THE CITY OF SANDWICH IF ANY MUNICIPAL UTILITY IMPROVEMENTS ARE REQUIRED WITHIN THE DURATION OF THE CONTRACT.

FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) TO HAVE THE LOCATION OF EXISTING UTILITES STAKED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT OR PROTECTION IS NECESSARY.

THE LOCATION ON THE PLANS OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC AND PRIVATE UTILITIES IS APPROXIMATE AND THEIR EXACT LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR HIS/HER WORK. ANY WORK THAT IS VANDALIZED OR OTHERWISE DAMAGED AND JUDGED UNACCEPTABLE BY THE ENGINEER SHALL BE REMOVED AND REPLACED.

ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE "ILLINOIS URBAN MANUAL."

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND APPROVED PRIOR TO WORK COMMENCING.

ANY SOIL EROSION OR SEDIMENT CONTROL MEASURES WHICH ARE NOT OUTLINED IN THE PLANS BUT ARE DEEMED NECESSARY BY THE ENGINEER DURING CONSTRUCTION SHALL BE IMPLEMENTED BY THE CONTRACTOR.

ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE INSPECTED AND CLEANED OF SEDIMENT AND DEBRIS AT MINIMUM ON A WEEKLY BASIS AND WITHIN 24 HOURS OF EACH ONE-HALF-INCH OR GREATER RAINFALL EVENT.

NO TRACKING OF DIRT OR DEBRIS ONTO PUBLIC STREETS SHALL BE ALLOWED. IF DIRT IS INADVERTENTLY TRACKED ONTO A STREET, IT SHALL BE REMOVED WITHIN 2 HOURS OF SAID TRACKING.

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL ELEVATIONS ARE ON AN ASSUMED LOCAL DATUM.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK PRIOR TO PLACING ANY AGGREGATE SUBBASE MATERIAL.

AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED, AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

STATE OF ILLINOIS
CITY OF SANDWICH

SHEET INDEX, STANDARD DETAILS
PRATT ROAD

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	2
		CONTRACT NO. 87889		
		ILLINOIS	FED. AID PROJECT	

EXISTING LEGEND

1.

4"-7" SURFACE AND BINDER COURSE
2.

11"-20" AGGREGATE BASE
3.

EXISTING AGGREGATE SHOULDER

PROPOSED LEGEND

- A.

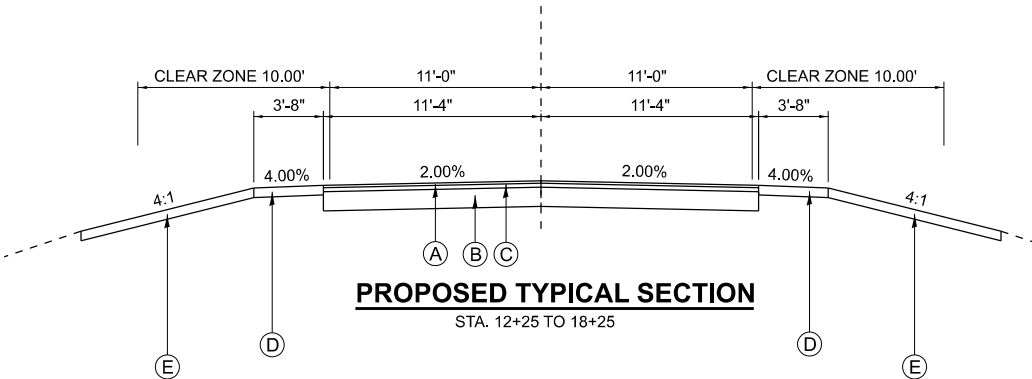
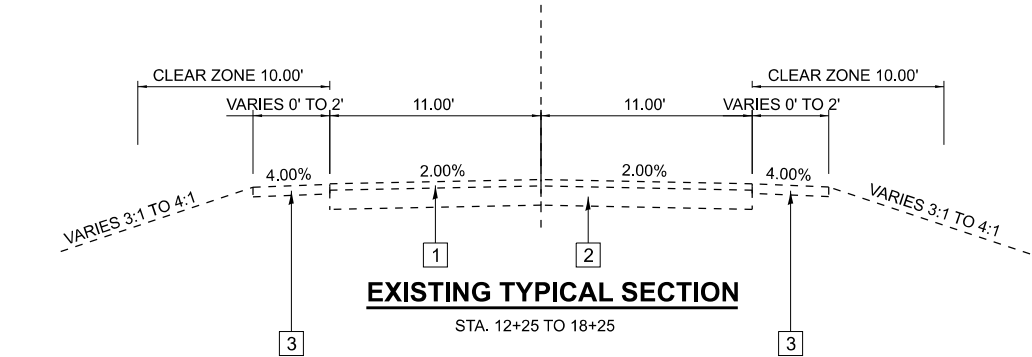
HMA SURFACE COURSE, IL-9.5, MIX C, N50 (2" THICKNESS)
HMA BINDER COURSE, IL-19.0, N50 (6" THICKNESS)
- B.

AGGREGATE BASE COURSE (12" THICKNESS)
- C.

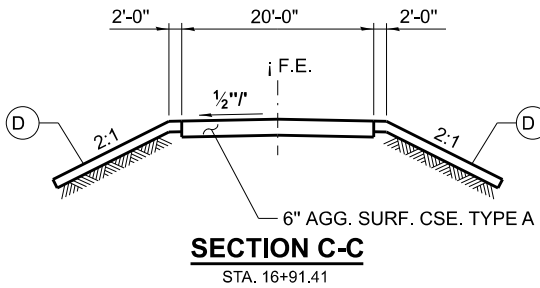
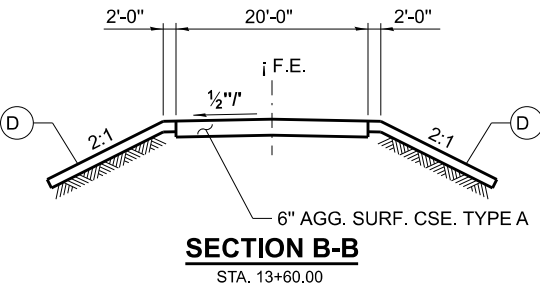
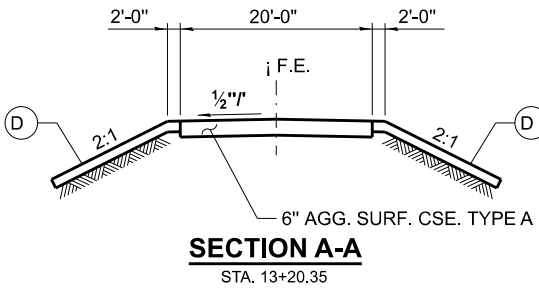
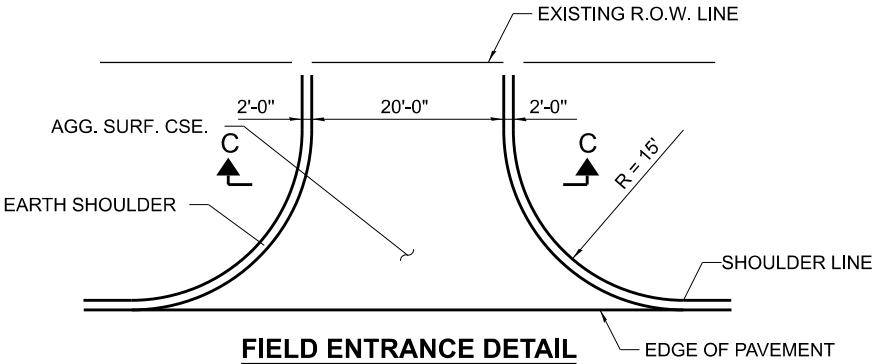
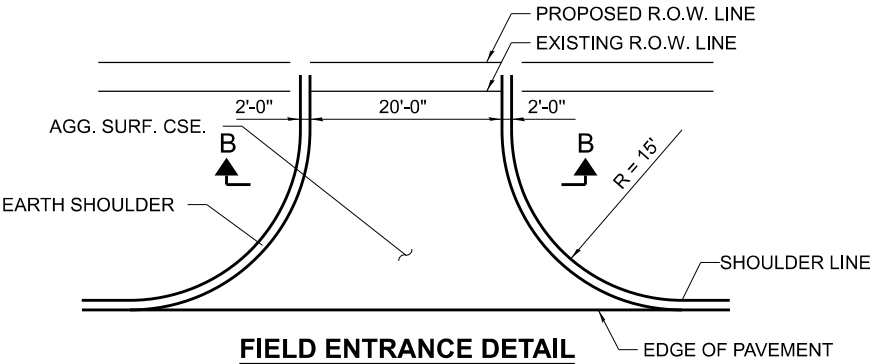
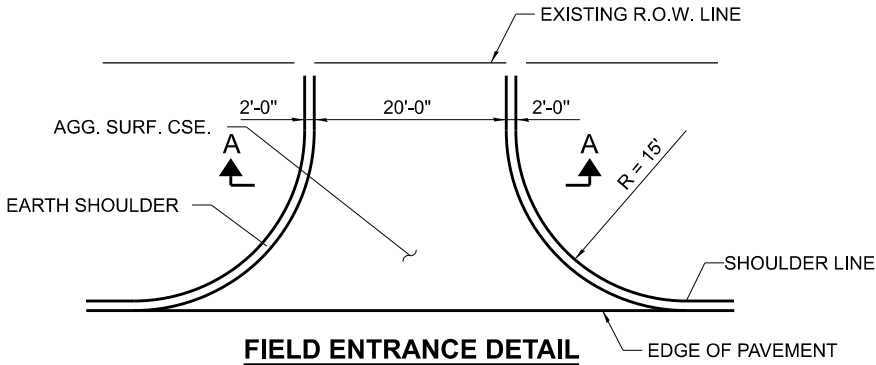
BITUMINOUS MATERIALS (TACK COAT)
- D.

AGGREGATE SHOULDER, TYPE B (6")
- E.

TOPSOIL, 6"
SEEDING, CLASS 2



HMA MIXTURE REQUIREMENT TABLE		
LOCATIONS:	PRATT ROAD	PRATT ROAD
MIXTURE USE(S):	HMA BINDER	HMA SURFACE
BINDER GRADE (PG):	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 19.0	IL 9.5
FRICTION AGGREGATE:		MIXTURE C
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA
SUBLOT SIZE:	NA	NA
DENSITY TEST METHOD:	NUCLEAR	NUCLEAR



MODEL: Default
FILE NAME: P:\2023\230101\31\Cad02-Design\CADD_Sheets\230101-htb-typical.dgn
8/21/2025 10:00:55

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000599	USER NAME ■ tstrange	DESIGNED - IPN	REVISED -	STATE OF ILLINOIS CITY OF SANDWICH	TYPICAL CROSS SECTIONS PRATT ROAD					M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JBL	REVISED -		0899	21-00048-00-BR	DEKALB	47	3					
	PLOT SCALE ■ 10.000 ' / in.	CHECKED - IPN	REVISED -		CONTRACT NO. 87889									
	PLOT DATE = 8/21/2025	DATE - \$DAT\$	REVISED -		ILLINOIS FED. AID PROJECT									
	SCALE: NONE					SHEET 1	OF 1	SHEETS	STA.	TO STA.				

SUMMARY OF QUANTITIES

IDOT PAY ITEM NO.	SPECIALTY ITEM	ITEM	UNIT	TOTAL
20200100		EARTH EXCAVATION	CU YD	994
20201200		REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100
20300100		CHANNEL EXCAVATION	CU YD	687
20400800		FURNISHED EXCAVATION	CU YD	41
21101615		TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1454
25000200		SEEDING, CLASS 2	ACRE	0.31
25100630		EROSION CONTROL BLANKET	SQ YD	1454
28000305		TEMPORARY DITCH CHECKS	FOOT	36
28000400		PERIMETER EROSION BARRIER	FOOT	1057
28000500		INLET AND PIPE PROTECTION	EACH	2
28100207		STONE RIPRAP, CLASS A4	TON	1213
28200200		FILTER FABRIC	SQ YD	975
30300001		AGGREGATE SUBGRADE IMPROVEMENT	CU YD	100
35101400		AGGREGATE BASE COURSE, TYPE B	TON	453
40200900		AGGREGATE SURFACE COURSE, TYPE B	CU YD	25
40600275		BITUMINOUS MATERIALS (PRIME COAT)	POUND	2177
40600290		BITUMINOUS MATERIALS (TACK COAT)	POUND	218
40603080		HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	325
40604050		HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	108

IDOT PAY ITEM NO.	SPECIALTY ITEM	ITEM	UNIT	TOTAL
42000070		PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	86
44000100		PAVEMENT REMOVAL	SQ YD	1407
48101500		AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	462
50100100		REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220		PIPE CULVERT REMOVAL	FOOT	107
50200100		STRUCTURE EXCAVATION	CU YD	166
50300225		CONCRETE STRUCTURES	CU YD	91.9
50300255		CONCRETE SUPERSTRUCTURE	CU YD	39
50300260		BRIDGE DECK GROOVING	SQ YD	601
50300280		CONCRETE ENCASEMENT	CU YD	28
50300300		PROTECTIVE COAT	SQ YD	751
50301350		CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	89.2
50400405		PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	3840
50800205		REINFORCEMENT BARS, EPOXY COATED	POUND	63780
51200959		FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	680
51202305		DRIVING PILES	FOOT	680
51203200		TEST PILE METAL SHELLS	EACH	4
51204650		PILE SHOES	EACH	12
51500100		NAME PLATES	EACH	1

HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000059 HLR	USER NAME = tstrange	DESIGNED - IPN	REVISED -	STATE OF ILLINOIS CITY OF SANDWICH	SUMMARY OF QUANTITES PRATT ROAD				M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666667' / in.	CHECKED - IPN	REVISED -						0899	21-00048-00-BR	DEKALB	47	4
	PLOT DATE = 8/21/2025	DATE - \$DAT\$	REVISED -		CONTRACT NO. 87889								
					SCALE: NONE	SHEET 1	OF 2 SHEETS	STA.	TO STA.				

MODEL SUMMARY OF QUANTITIES
FILE NAME: P:\2022\220121\CA003_Design\CADD_Sheets\220101-ht-500.dgn

IDOT PAY ITEM NO.	SPECIALTY ITEM	ITEM	UNIT	TOTAL
54214515		PRC FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"	EACH	2
542A0220		PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	32
542A5485		PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	36
58600101		GRANULAR BACKFILL FOR STRUCTURES	CU YD	62
59100100		GEOCOMPOSITE WALL DRAIN	SQ YD	44
60146304		PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	139
63000001	*	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	25
63100085	*	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2
63100167	*	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
67100100		MOBILIZATION	L SUM	1
72501000	*	TERMINAL MARKER - DIRECT APPLIED	EACH	2
78009004	*	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2400
78200005	*	GUARDRAIL REFLECTORS, TYPE A	EACH	8
Z0001900		ASBESTOS BEARING PAD REMOVAL	EACH	36
Z0013798		CONSTRUCTION LAYOUT	L SUM	1
X0326806		WASHOUT BASIN	L SUM	1
X4024000		TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	1
X5030305		CONCRETE WEARING SURFACE, 5"	SQ YD	401
X7010216		TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

IDOT PAY ITEM NO.	SPECIALTY ITEM	ITEM	UNIT	TOTAL
X7200061		TEMPORARY INFORMATION SIGNING	SQ FT	84



HAMPTON, LENZINI AND RENWICK, INC.

380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000055

USER NAME	tsstrange	DESIGNED -	IPN	REVISED -	
		DRAWN -	JBL	REVISED -	
PLOT SCALE	0.16666667 ' / in.	CHECKED -	IPN	REVISED -	
PLOT DATE	8/21/2025	DATE -	\$DAT\$	REVISED -	

STATE OF ILLINOIS
CITY OF SANDWICH

SUMMARY OF QUANTITIES
PRATT ROAD

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	5
CONTRACT NO. 87889				
		ILLINOIS	FED. AID PROJECT	

MODEL SUMMARY OF QUANTITIES
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HAMPTON, LENZINI AND RENWICK, INC.

380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 18L000099

USER NAME	■ tstrange	DESIGNED -	IPN	REVISED -	
		DRAWN -	JBL	REVISED -	
PLOT SCALE	■ 0.16666667 ' / in.	CHECKED -	IPN	REVISED -	
PLOT DATE	■ 8/21/2025	DATE -	\$DAT\$	REVISED -	

PRATT ROAD - EARTHWORK						
STATION	AVERAGE END AREA		VOLUME			
	EARTH EXCAVATION	EMBANKMENT	EARTH EXCAVATION (A)	EMBANKMENT (B)	DIFFERENCE (I) I=0.85(A-C)-B	TOPSOIL STRIP (C)
	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
12+25	0.0	0.0				
12+50	716.9	58.1	26.6	2.2	15.8	5.4
			36.5	5.3	15.6	11.9
12+75	986.3	141.9	45.2	5.3	19.8	15.6
13+00	1219.4	143.8	59.5	4.3	31.1	17.9
13+25	1606.9	115.6	87.2	5.6	50.1	21.6
13+50	2353.8	151.3	99.6	4.8	58.7	24.9
13+75	2688.1	130.6	108.4	10.3	60.6	25.0
14+00	2927.5	276.9	96.3	16.8	43.7	25.0
14+25	2598.8	453.8	62.1	14.8	18.1	23.3
14+50	1675.6	400.0	89.4	8.8	45.0	26.2
14+78	2415.0	237.3				
16+05	0.0	0.0	44.9	4.3	18.5	18.1
16+25	1213.5	117.0	49.4	16.9	6.8	21.5
16+50	1332.5	455.0	35.9	27.0	-12.7	19.0
16+75	970.0	729.4	24.1	26.6	-20.8	17.3
17+00	651.9	718.8	23.4	26.0	-20.5	16.9
17+25	631.9	702.5	24.4	30.5	-25.3	18.3
17+50	657.5	822.5	26.5	31.1	-25.4	19.8
17+75	715.6	839.4	30.1	31.8	-23.7	20.6
18+00	812.5	857.5	25.1	18.3	-6.2	10.8
18+25	677.5	495.0				

EARTHWORK SUMMARY						
LOCATION	EARTH EXCAVATION	EXCAVATION AVAILABLE FOR EMBANKMENT ADJUSTED FOR SHRINKAGE 15%	EMBANKMENT	EARTHWORK BALANCE	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	FURNISHED EXCAVATION
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
PRATT ROAD	994	249	291	-41	100	41
PROJECT TOTAL	994	249	291	-41	100	41

* PLAN QUANTITY BASED ON PAVEMENT REMOVAL OF THE FOLLOWING DEPTHS :
PRATT ROAD HMA: 6 IN
THESE QUANTITIES ARE NOT INCLUDED IN THE EARTHWORK BALANCE.

63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS					
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6					
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT					
STATION BEGIN	STATION END	OFFSET		63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FOOT)	63100085 TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)	63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)
13+54.38	14+08.84	14.9	RT			1.0
14+08.84	14+21.34	14.9	RT	12.5		
14+21.34	14+60.73	14.9	RT		1.0	
16+23.27	16+62.22	15	LT		1.0	
16+62.66	16+75.16	15	LT	12.5		
16+75.16	17+29.62	15	LT			1.0
TOTALS				25.0	2.0	2.0

21101615	TOPSOIL FURNISH AND PLACE, 4"						
25000200	SEEDING, CLASS 2						
25100630	EROSION CONTROL BLANKET						
28000305	TEMPORARY DITCH CHECKS						
28000400	PERIMETER EROSION BARRIER						
28000500	INLET AND PIPE PROTECTION						

STARTING STATION	ENDING STATION	REF	21101615 TOPSOIL FURNISH AND PLACE, 4" (SQ YD)	25000200 SEEDING, CLASS 2 (ACRE)	25100630 EROSION CONTROL BLANKET (SQ YD)	28000305 TEMPORARY DITCH CHECKS (FOOT)	28000400 PERIMETER EROSION BARRIER (FOOT)	28000500 INLET AND PIPE PROTECTION (EACH)
Pratt Road								
012+25	014+83	LT	427.0	0.09	427		258	
012+25	014+58	RT	323.0	0.07	323		308	
016+02	018+25	RT	292.0	0.06	292		242	
016+26	018+25	LT	412.0	0.09	412		249	
	012+52	LT				6		
	012+80	LT				6		
	013+04	LT						1
	013+08	LT				6		
	013+36	LT				6		
	013+42	LT						1
	013+91	LT				6		
	014+19	LT				6		
TOTALS			1454.0	0.31	1454.0	36.0	1057.0	2

35100400	AGGREGATE BASE COURSE, TYPE B									
40200900	AGGREGATE SURFACE COURSE, TYPE B									
40600275	BITUMINOUS MATERIALS (PRIME COAT)									
40600290	BITUMINOUS MATERIALS (TACK COAT)									
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50									
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50									
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB									
48101500	AGGREGATE SHOULDERS, TYPE B 6"									

STATION BEGIN	STATION END	REF	35101400 AGGREGATE BASE COURSE, TYPE B (TON)	40200900 AGGREGATE SURFACE COURSE, TYPE B (CU YD)	40600275 BITUMINOUS MATERIALS (PRIME COAT) (POUND)	40600290 BITUMINOUS MATERIALS (TACK COAT) (POUND)	40603080 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (TON)	40604050 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	42000070 PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB (SQ YD)	48101500 AGGREGATE SHOULDERS, TYPE B 6" (SQ YD)
12+25.	14+34.9		247		1187	119	177	59	43	250
16+49.1	18+25.		206		990	99	148	49	43	212
	13+20.35	RT		8						
	13+60.	LT		13						
	16+91.41	RT		5						
TOTALS			453	25	2177	218	325	108	86	462

50105220				PIPE CULVERT REMOVAL			
54214515				PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"			
542A0220				PIPE CULVERTS, CLASS A, TYPE 1 15"			
542A5485				PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"			
STATION BEGIN	STATION END	OFFSET		50105220	54214515	542A0220	542A5485
				PIPE CULVERT REMOVAL (FOOT)	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30" (EACH)	PIPE CULVERTS, CLASS A, TYPE 1 15" (FOOT)	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30" (FOOT)
					</		

STATE OF ILLINOIS

CITY OF SANDWICH

SCHEDULE OF QUANTITIES

PRATT ROAD

SCALE: NONE

SHEET 1 OF 1 SHEETS

STA. TO STA.

M.S.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

0899

21-00048-00-BR

DEKALB

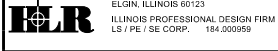
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6

ILLINOIS

FED. AID PROJECT

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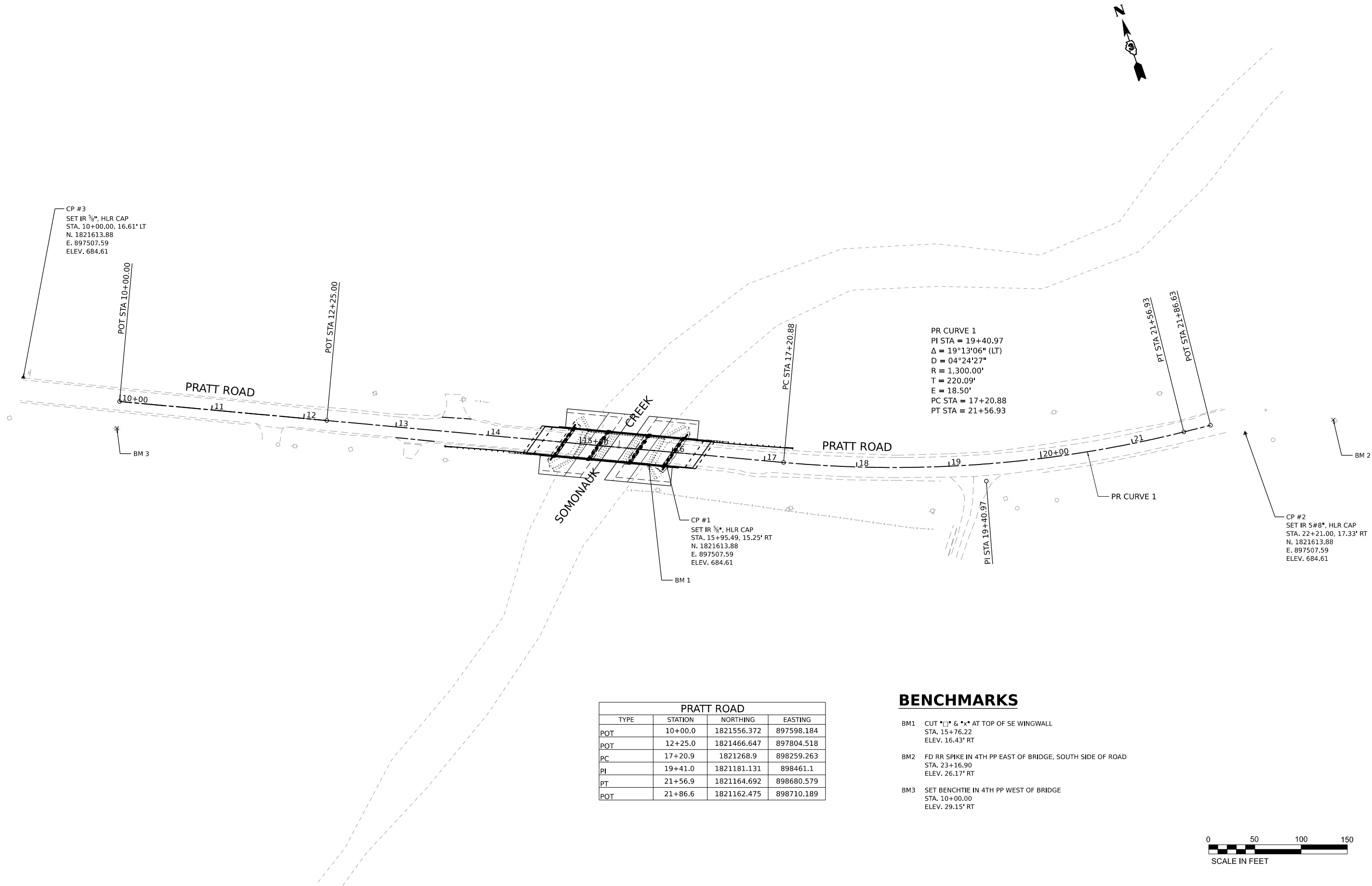
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DESIGNED	-	IPN	REVISED -
DRAWN	-	JBL	REVISED -
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CHECKED	-	IPN	REVISED -
PLOT DATE	8/21/2025		
DATE	-	\$DAT\$	REVISED -

STATE OF ILLINOIS
CITY OF SANDWICH

ALIGNMENT, TIES AND BENCHMARKS
PRATT ROAD

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	7
CONTRACT NO. 87889				
ILLINOIS FED. AID PROJECT				



PRATT ROAD			
TYPE	STATION	NORTHING	EASTING
POT	10+00.0	1821556.372	897598.184
POT	12+25.0	1821466.647	897804.518
PC	17+20.9	1821268.9	898259.263
PI	19+41.0	1821181.131	898461.1
PT	21+56.9	1821164.692	898680.579
POT	21+86.6	1821162.475	898710.189

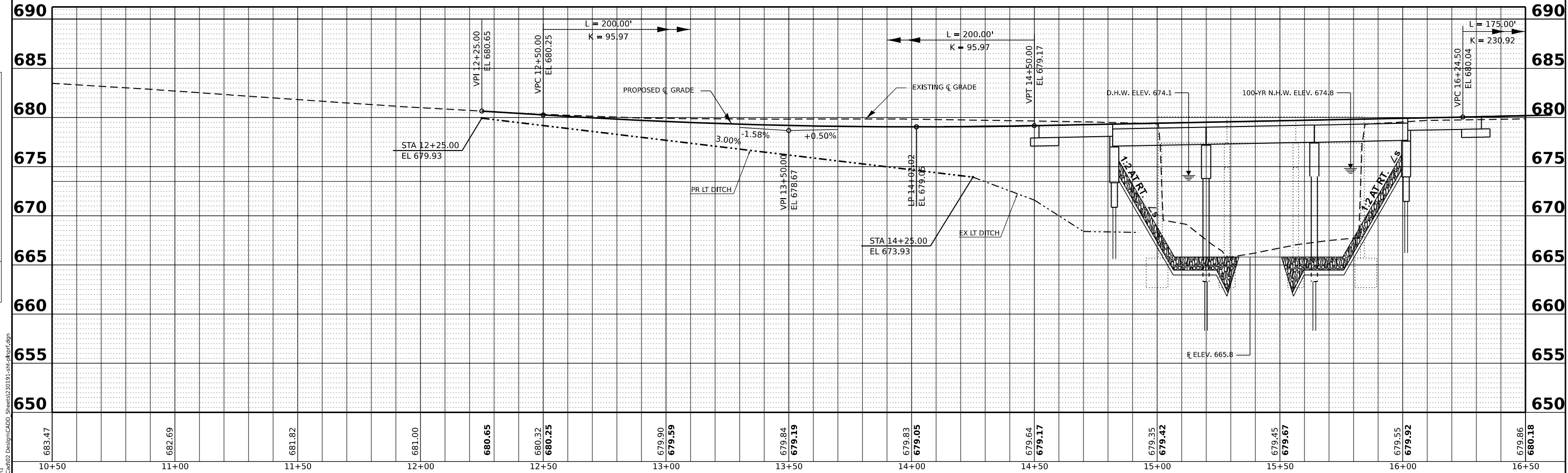
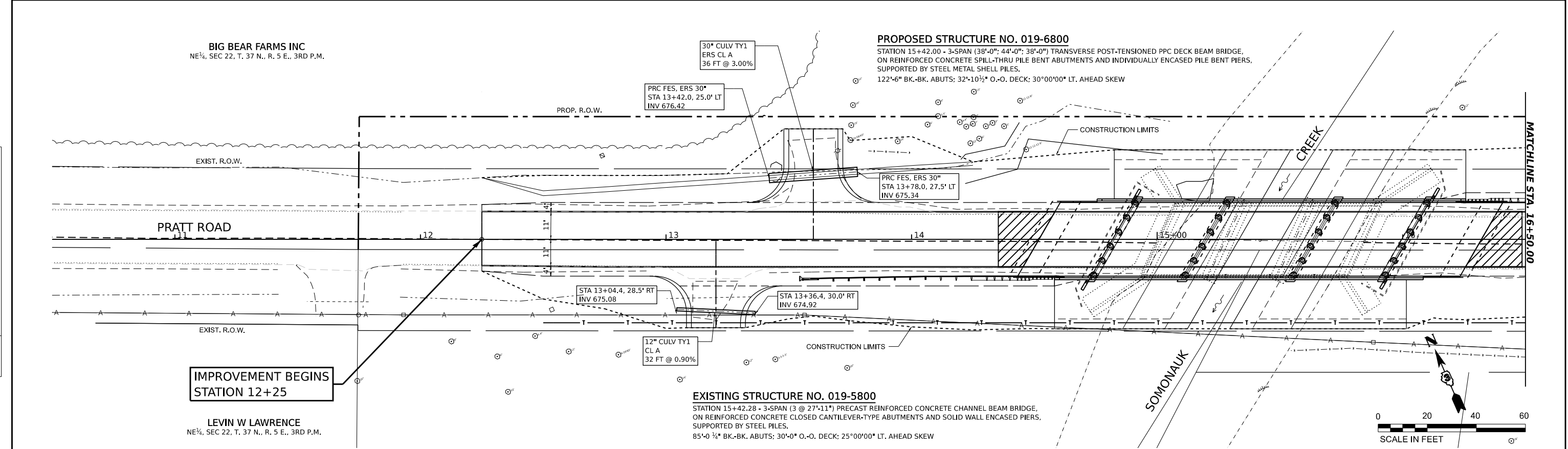
BENCHMARKS

- BM1 CUT "□" & "x" AT TOP OF SE WINGWALL
STA. 15+76.22
ELEV. 16.43' RT
- BM2 FD RR SPIKE IN 4TH PP EAST OF BRIDGE, SOUTH SIDE OF ROAD
STA. 23+16.90
ELEV. 26.17" RT
- BM3 SET BENCHMARK IN 4TH PP WEST OF BRIDGE
STA. 10+00.00
ELEV. 29.15" RT



PLAN	SURVEYED	DATE
	BY	
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO.	

PROFILE	SURVEYED	DATE
	BY	
	PLOTTED	
	GRADES	
	CHECKED	
	NO.	

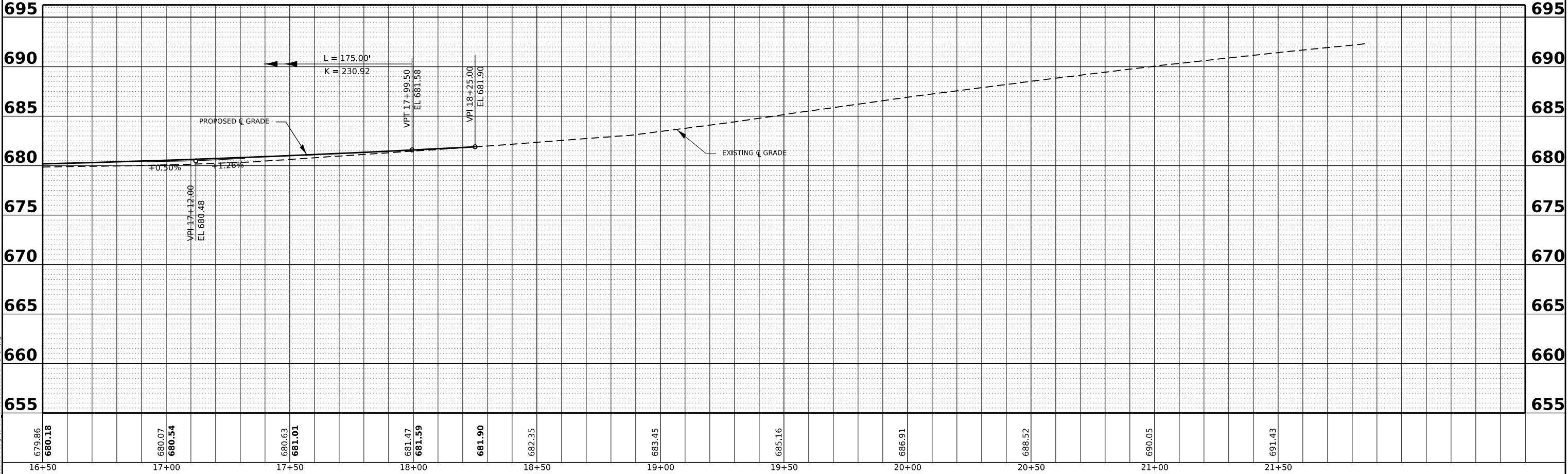
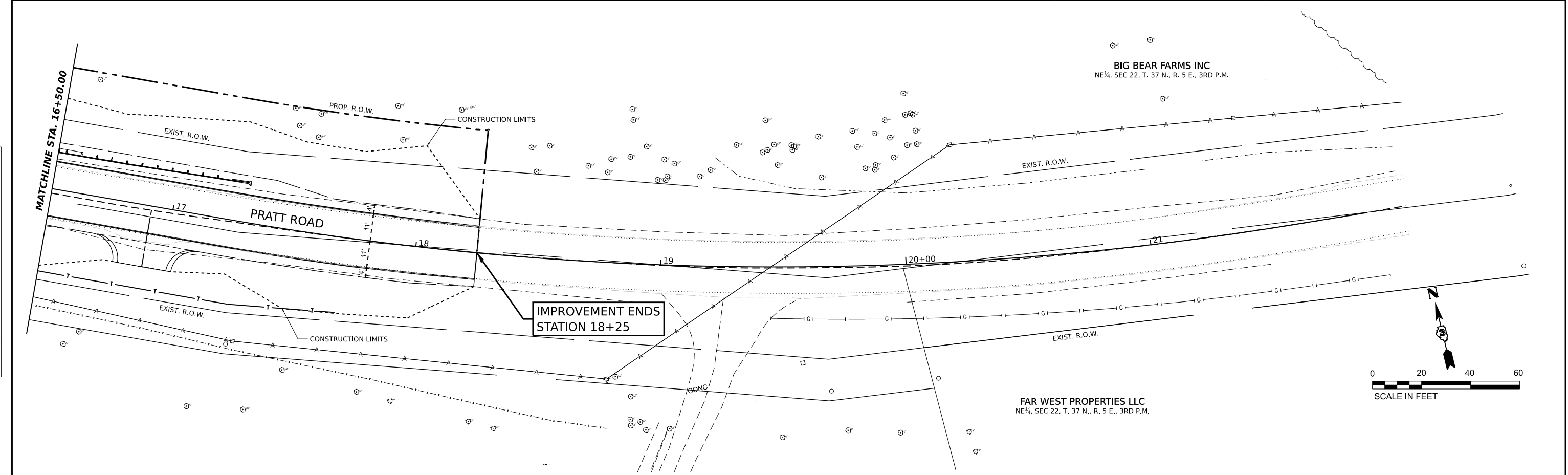


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		DATE - \$DAT\$	REVISED -		SCALE: 5V:20H					SHEET 1	OF 2	SHEETS	STA. 10+50	TO STA. 16+50

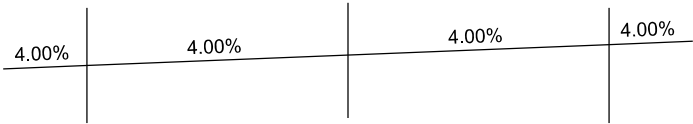
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NOTE BOOK	BY	
NO.		

PROFILE	SURVEYED	DATE
NOTE BOOK	BY	
NO.		

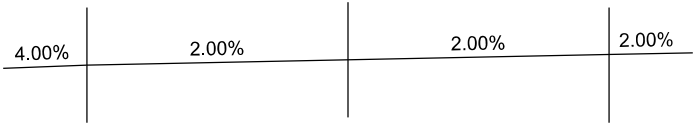


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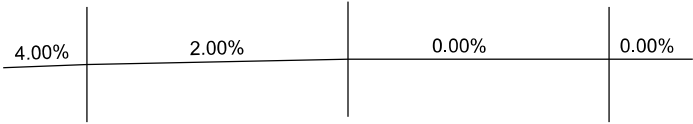
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		DATE - \$DAT\$	REVISED -		ILLINOIS									
						SCALE: 5V:20H	SHEET 2	OF 2 SHEETS	STA. 16+50	TO STA. 21+50				



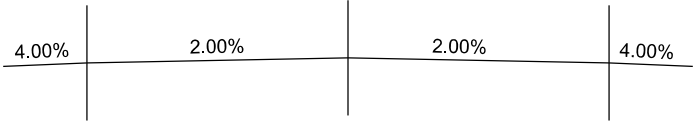
SUPERELEVATION (SE)
STA. 17+57.74



REVERSE CROWN (RC)
STA. 17+13.74



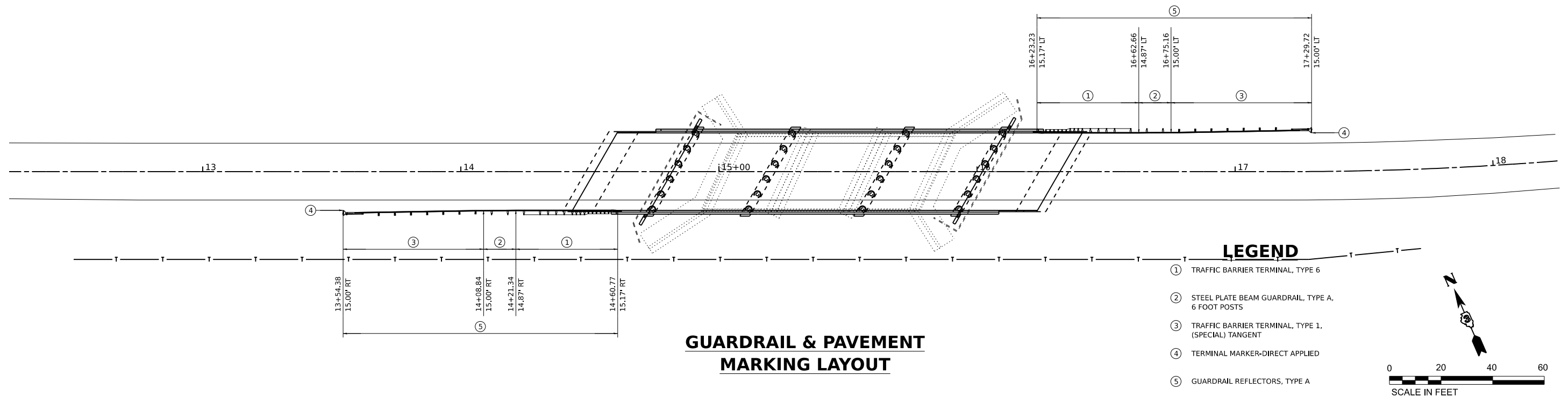
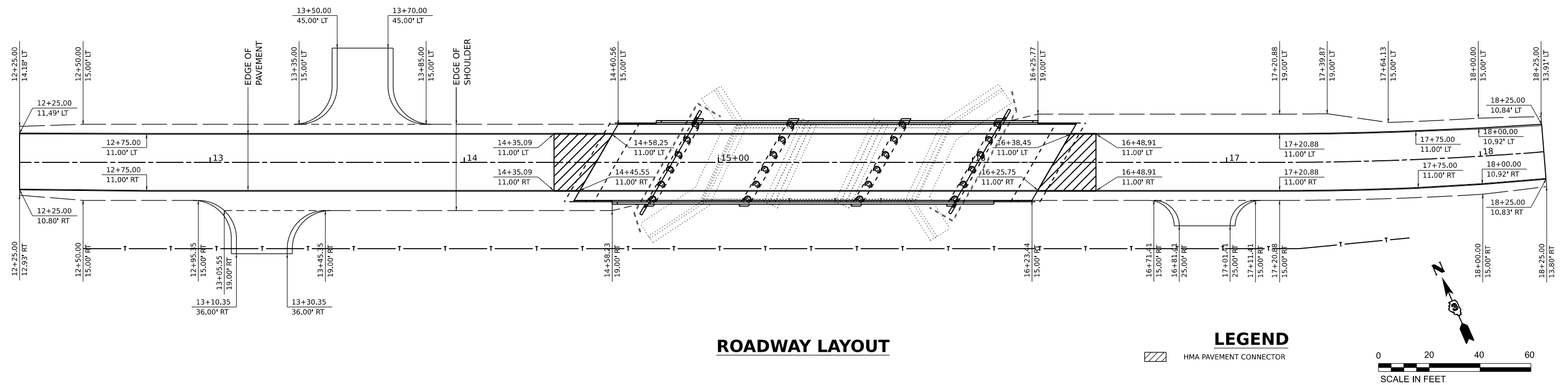
ADVERSE CROWN REMOVED
STA. 16+69.74

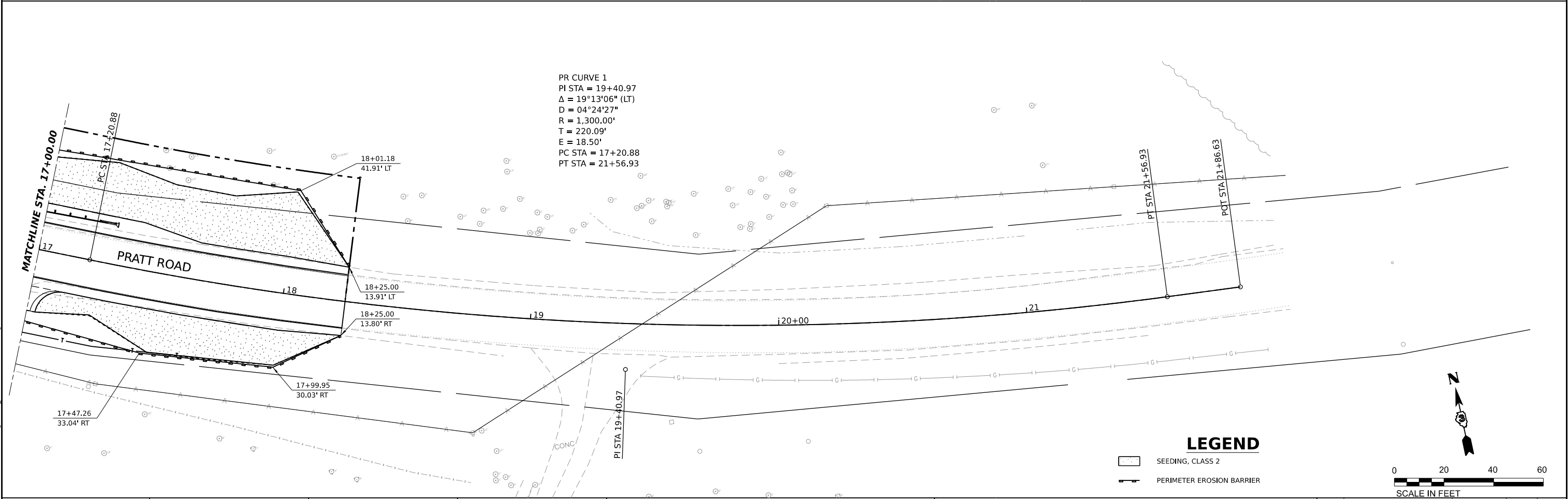
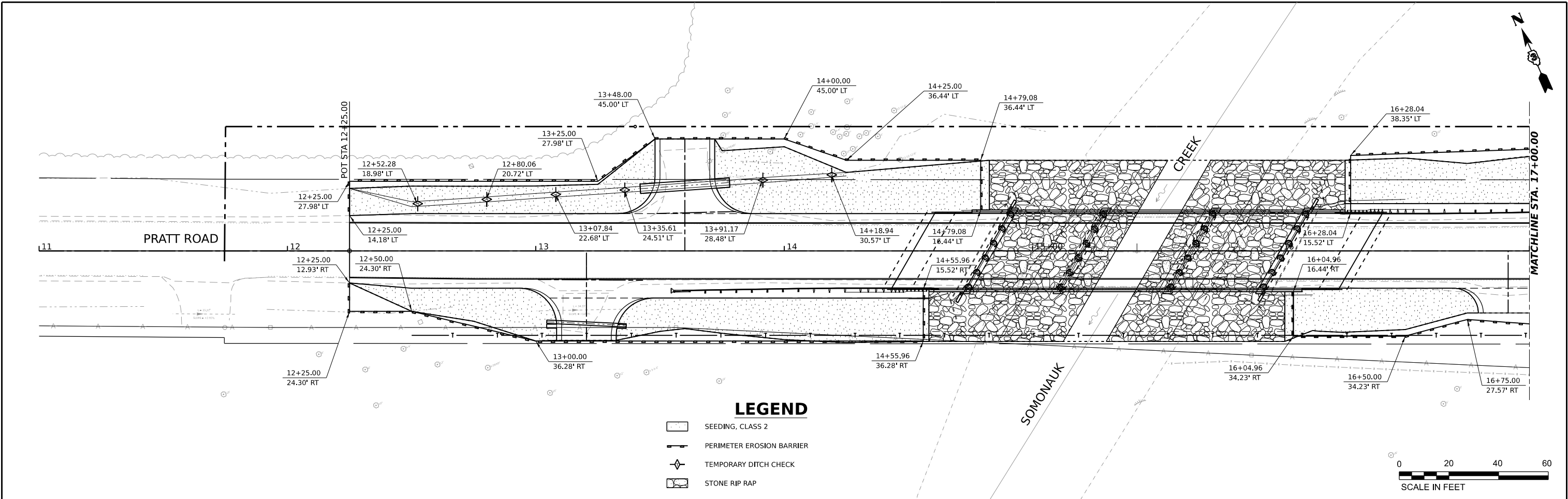


NORMAL CROWN (NC)
STA. 16+25.74

MODEL SUMMARY OF QUANTITIES
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HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000595	USER NAME	■ tstrange	DESIGNED	-	IPN	REVISED	-	STATE OF ILLINOIS CITY OF SANDWICH	SUPERELEVATION DIAGRAM PRATT ROAD						M.S.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE	■ 8/21/2025	DATE	-	\$DAT\$	REVISED	-													
									SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.						





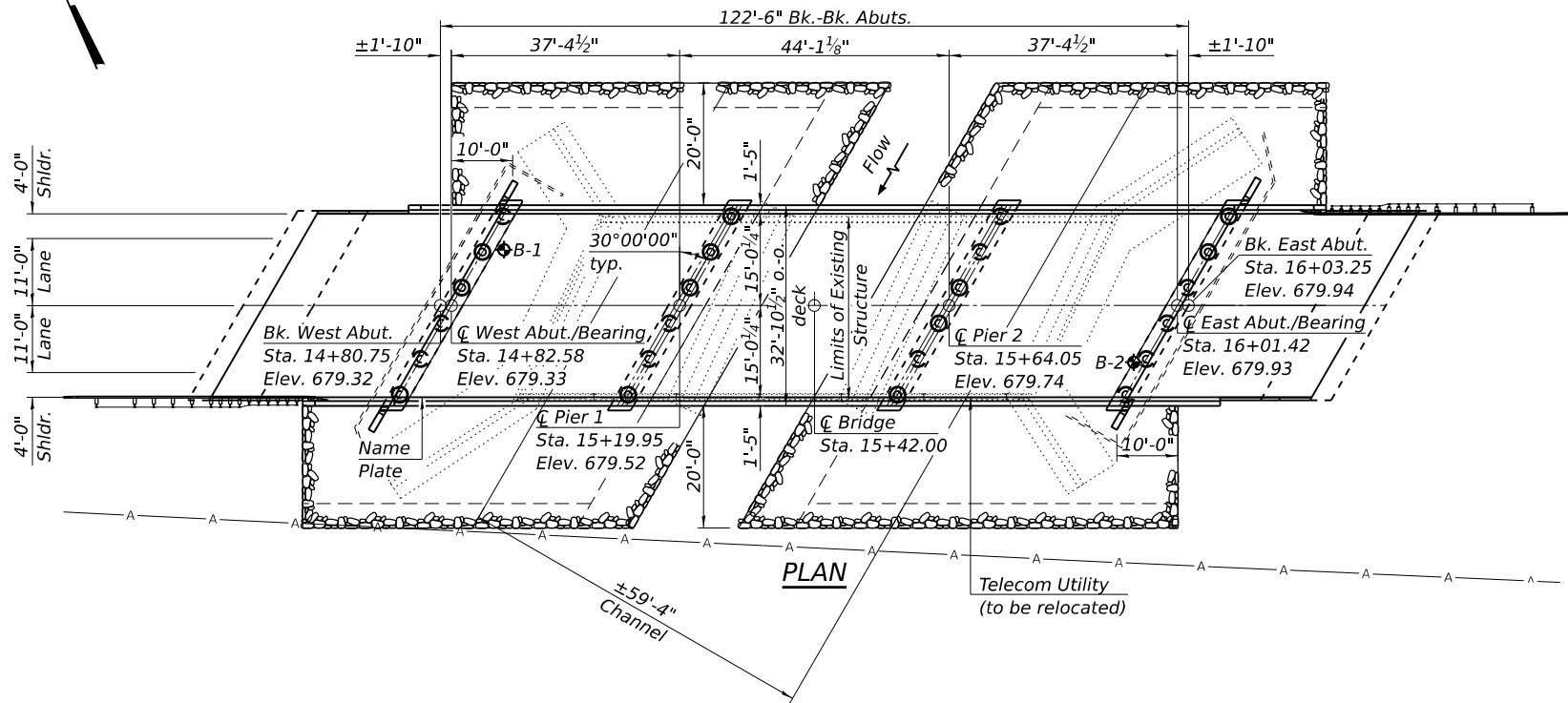
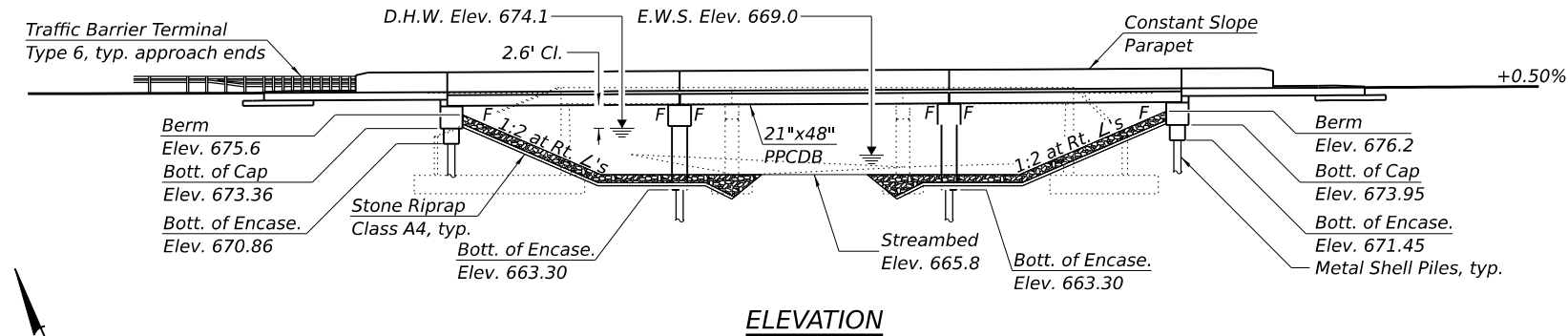
HAMPTON, LENZINI AND RENWICK, INC. 300 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000059	USER NAME	■ tstrange	DESIGNED	-	STATE OF ILLINOIS CITY OF SANDWICH	EROSION CONTROL AND RESTORATION PLAN					M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
			DRAWN	-		REVISED	-	PRATT ROAD					0899	21-00048-00-BR	DEKALB	47	13
	PLOT SCALE	■ 0.16666667 ' / in.	CHECKED	-		REVISED	-	CITY OF SANDWICH					CONTRACT NO. 87889				
	PLOT DATE	■ 8/21/2025	DATE	-		REVISED	-	SCALE: 1"=20'	SHEET 1	OF 1	SHEETS	STA. 11+00.00	TO STA. 21+86.63	ILLINOIS FED. AID PROJECT			

BENCHMARK: Cut "□" and "X" on top of the SE Wingwall 16.43' Rt., Sta. 15+76.22, Elev 680.00

EXISTING STRUCTURE NO. 019-5800: The existing structure was originally constructed in 1967 under Project 3-67 at Sta. 42+95. The existing structure is a 3-span (3 @ 27'-11") precast reinforced concrete channel beam bridge, on closed cantilever-type reinforced concrete abutments and solid wall encased piers, supported by steel piles. The existing bridge is 85'-0¾" long, back-to-back of abutments, and 30'-0" wide, out-to-out of bridge deck, skewed 25°00'00" left ahead.

Structure closed to traffic during construction.

No salvage.



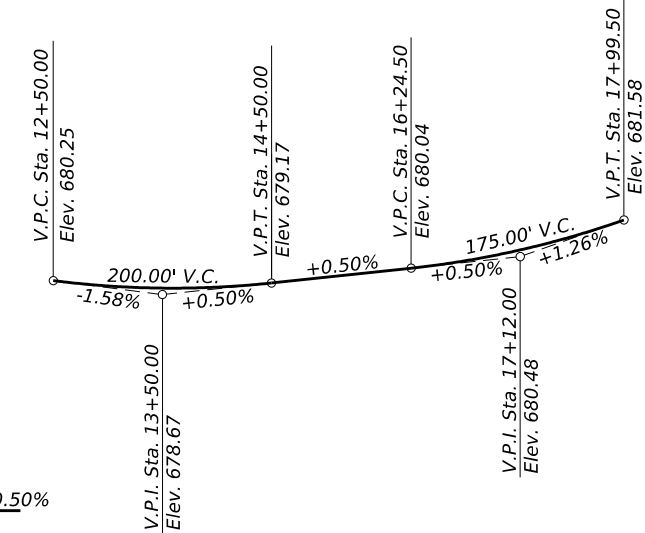
WATERWAY INFORMATION

Drainage Area = 41.7 sq. mi. Low Grade Elev. = 679.1 @ Sta. 14+02.02									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	1,730	450	550	673.7	0.2	0.2	673.9	673.9
Base	20	2,071	470	590	674.1	0.2	0.2	674.3	674.3
Scour Check	100	2,900	520	650	674.8	0.4	0.3	675.2	675.1
Max. Calc.	200	3,256	540	680	675.1	0.5	0.3	675.6	675.4
	500	3,710	570	720	675.5	0.6	0.5	676.1	676.0

10-Year Velocity through Existing Bridge = 3.8 fps 10-Year Velocity through Proposed Bridge = 3.1 fps

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)				Item 113
	W. Abut.	Pier 1	Pier 2	E. Abut.	
Q100		660.1	660.1		
Q200		659.7	659.7		
Design	673.4	660.1	660.1	674.0	8
Check		659.7	659.7		



DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications
Customary U.S. Units, 9th Edition

LOADING HL-93

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

DESIGN STRESSES

PRECAST PRESTRESSED UNITS

$f_c = 6,000$ psi
 $f_{ci} = 5,000$ psi
 $f_{pu} = 270,000$ psi ($\frac{1}{2}$ " $\varnothing$ Low Lax. Strands)
 $f_{pbt} = 201,960$ psi ($\frac{1}{2}$ " $\varnothing$ Low Lax. Strands)
 $F_y = 60,000$ psi (Reinf.)

FIELD UNITS

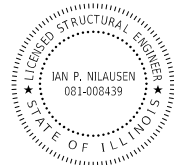
$f_c = 4,000$ psi (Superstructure)
 $f_c = 3,500$ psi (Substructure)
 $F_y = 60,000$ psi (Reinf.)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.093g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.165g
Soil Site Class = D

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."

8/21/2025
ILLINOIS STRUCTURAL NO. 081-008439



Expires 11-30-2026

INDEX OF STRUCTURE SHEETS

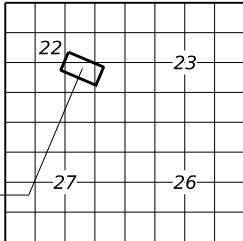
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- General Data
- Top of West Approach Slab Elevations
- Top of East Approach Slab Elevations
- Superstructure
- Superstructure Details
- 21"x48" PPC Deck Beam - Spans 1 & 3
- 21"x48" PPC Deck Beam Details - Spans 1 & 3
- 21"x48" PPC Deck Beam - Span 2
- 21"x48" PPC Deck Beam Details - Span 2
- Bridge Approach Slab Details
- West Abutment
- East Abutment
- Piers
- Metal Shell Pile Details
- Borings
- Existing Structure Plans

SOMONAUK CREEK
BUILT 202_ BY
CITY OF SANDWICH
SEC. 21-00048-00-BR
M.S. 899 STA. 15+42
STR. NO. 019-6800-HL-93 LOADING

NAME PLATE

(Std. 515001)

R. 5 E., 3RD P.M.



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
PRATT RD. OVER SOMONAUK CREEK
M.S. 899 - SECTION 21-00048-00-BR
DEKALB COUNTY
STATION 15+42.00
S.N. 019-6800

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 HAMPTON, LENZINI AND RENWICK, INC. 1707 N. RANDALL ROAD, SUITE 100 ELGIN, ILLINOIS 60120 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = cchlopek	DESIGNED - C.S.C.	REVISED -	STATE OF ILLINOIS CITY OF SANDWICH	GENERAL PLAN & ELEVATION STRUCTURE NO. 019-6800	SHEET NO. 1 OF 19 SHEETS	M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - I.P.N.	REVISED -				899	21-00048-00-BR	DEKALB	47	14
		PLOT SCALE =	DRAWN - C.S.C.				PRATT RD. / SOMONAUK CRK.		CONTRACT NO. 87889		
		PLOT DATE = 8/21/2025	CHECKED - I.P.N.				ILLINOIS		FED. AID PROJECT		

GENERAL NOTES

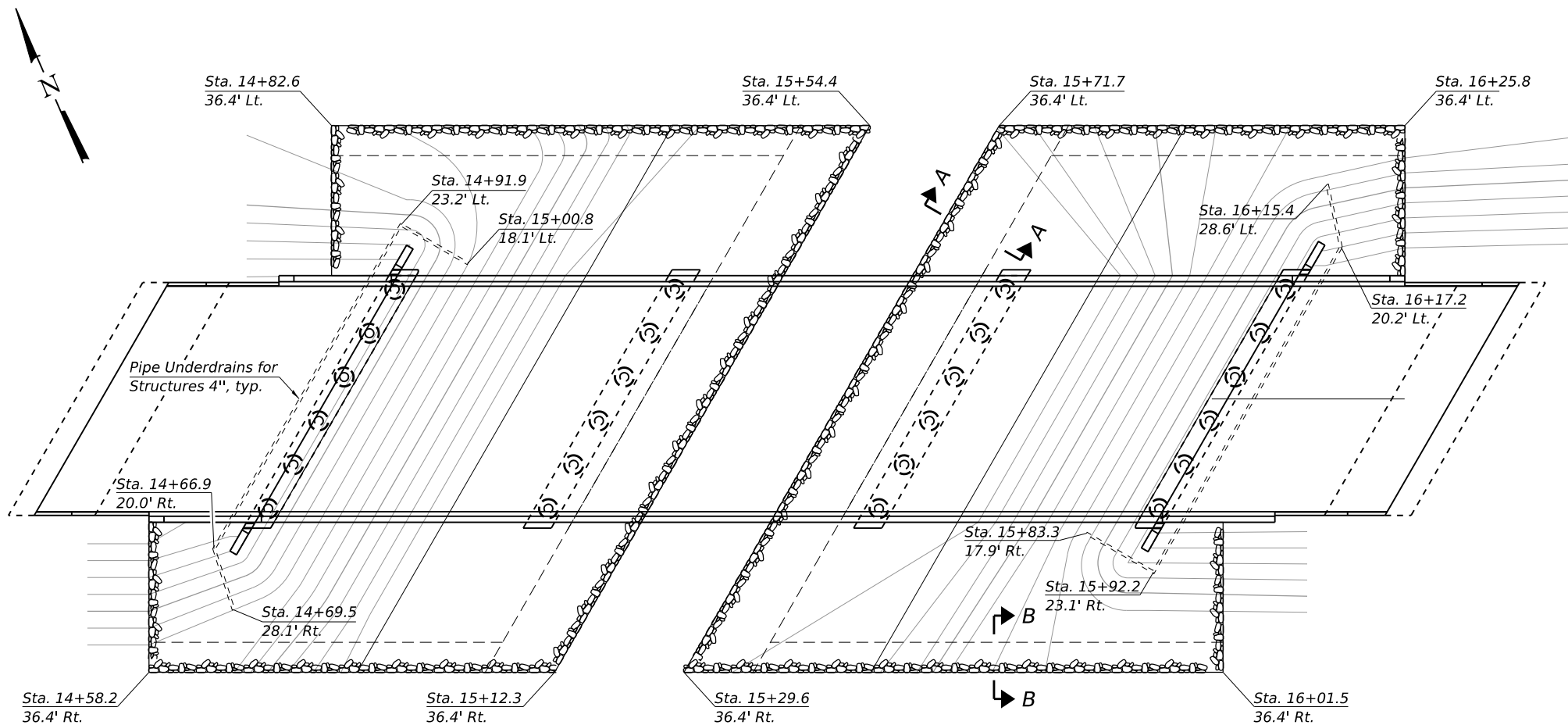
Reinforcement bars designated (E) shall be epoxy coated.

Slipforming of the parapets is not allowed.

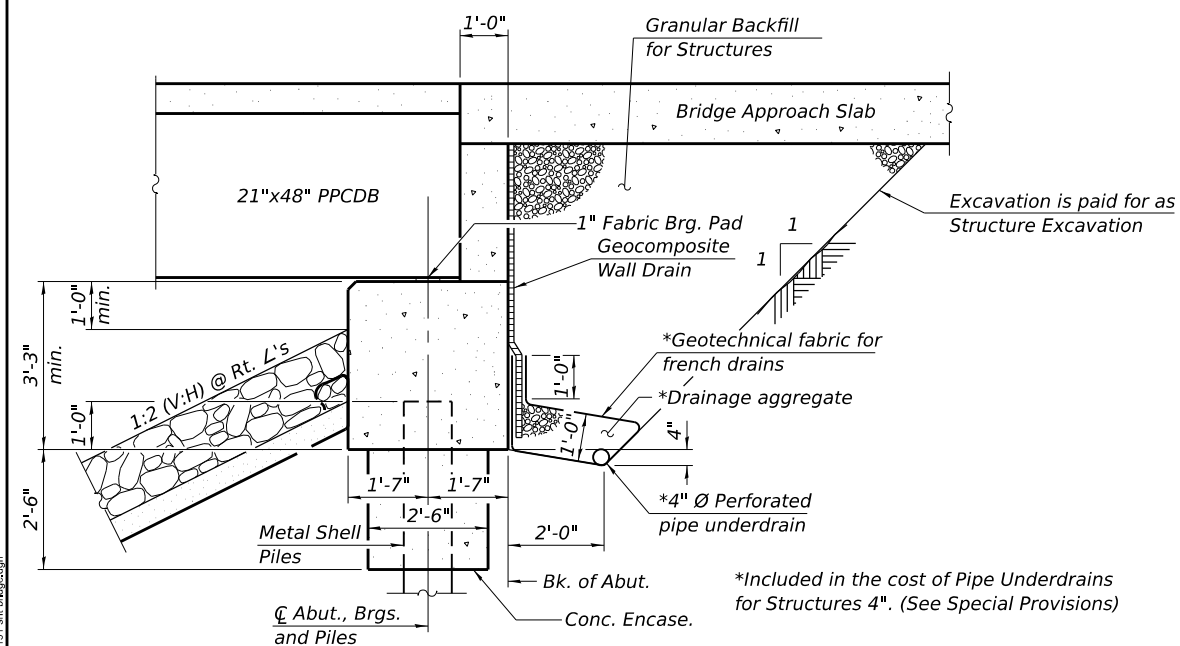
If a portion of the pile encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.

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 in production locations before ordering the remainder of the piles. Unplanned Splices shall only be paid for when the driven lengths exceed the estimated lengths determined by the Engineer based on the results of the test piles. Unplanned Splices shall not be paid for based on estimated lengths specified in the plans.



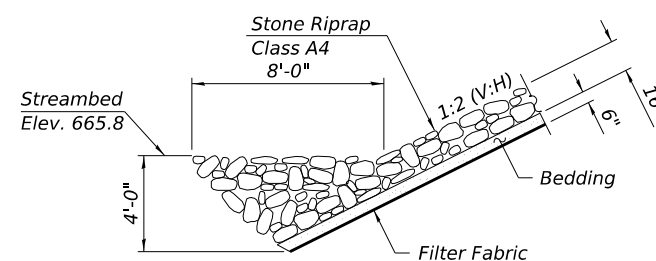
RIPRAP, PIPE UNDERDRAIN & PARTIAL GRADING PLAN



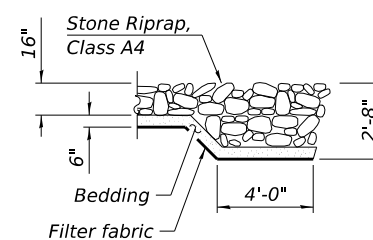
SECTION THRU ABUTMENT
(Horiz. dim. at Rt. $\angle$'s)

Note:

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



SECTION A-A



SECTION B-B

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	OTHER	TOTAL
Channel Excavation	Cu. Yd.			687	687
Stone Riprap, Class A4	Ton			1,213	1,213
Filter Fabric	Sq. Yd.			975	975
Removal of Existing Structures	Each			1	1
Structure Excavation	Cu. Yd.		166		166
Concrete Structures	Cu. Yd.	22.2	69.7		91.9
Concrete Superstructure	Cu. Yd.	39.0			39.0
Bridge Deck Grooving	Sq. Yd.	601			601
Concrete Encasement	Cu. Yd.		28.0		28.0
Protective Coat	Sq. Yd.	743	8		751
Concrete Superstructure (Approach Slab)	Cu. Yd.	89.2			89.2
* Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	3,840			3,840
Reinforcement Bars, Epoxy Coated	Pound	51,670	12,110		63,780
Furnishing Metal Shell Piles 14" X 0.312"	Foot		680		680
Driving Piles	Foot		680		680
Test Pile Metal Shells	Each		4		4
Pile Shoes	Each		12		12
Name Plates	Each	1			1
Granular Backfill for Structures	Cu. Yd.		62		62
Geocomposite Wall Drain	Sq. Yd.		44		44
Pipe Underdrains for Structures 4"	Foot		139		139
* Concrete Wearing Surface, 5"	Sq. Yd.	401			401
* Asbestos Bearing Pad Removal	Sq. Yd.			36	36

* See Special Provisions

LT. FACE OF BARRIER

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Aprpr. Slab	14+60.58	-15.02'	678.92
A	14+70.58	-15.02'	678.97
B	14+80.58	-15.02'	679.02
E. End W. Aprpr. Slab	14+90.58	-15.02'	679.07

LT. EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Aprpr. Slab	14+58.25	-11.00'	678.99
A	14+68.25	-11.00'	679.04
B	14+78.25	-11.00'	679.09
E. End W. Aprpr. Slab	14+88.25	-11.00'	679.14

CL STRUCTURE, ROADWAY & P.G.L.

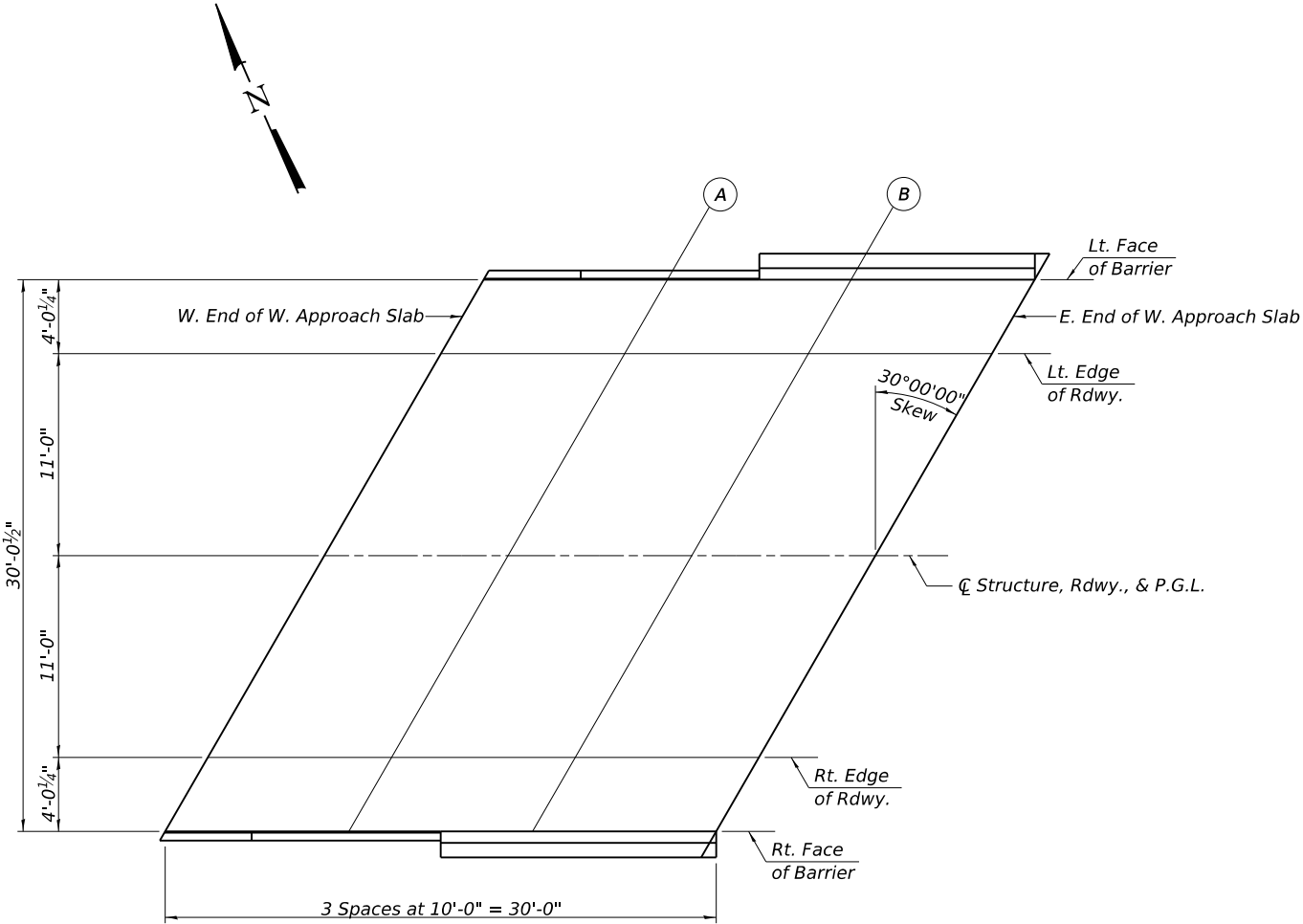
Location	Station	Offset	Theoretical Grade Elevations
W. End W. Aprpr. Slab	14+51.90	0.00'	679.18
A	14+61.90	0.00'	679.23
B	14+71.90	0.00'	679.28
E. End W. Aprpr. Slab	14+81.90	0.00'	679.33

RT. EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Aprpr. Slab	14+45.55	11.00'	678.93
A	14+55.55	11.00'	678.98
B	14+65.55	11.00'	679.03
E. End W. Aprpr. Slab	14+75.55	11.00'	679.08

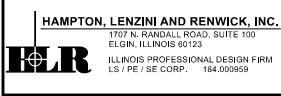
RT. FACE OF BARRIER

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Aprpr. Slab	14+43.23	15.02"	678.84
A	14+53.23	15.02"	678.89
B	14+63.23	15.02"	678.94
E. End W. Aprpr. Slab	14+73.23	15.02"	678.99



PLAN

MODEL: 3 Top of West Approach Slab Elevations
FILE NAME: P:\2023\23013 US6012 Design\0400 Sheets\23013-top-bdy.dgn
8/21/2025 8:52:04 AM

 HAMPTON, LENZINI AND RENWICK, INC. 1707 N. RANDALL ROAD, SUITE 100 ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = cchlopek		DESIGNED - C.S.C.	REVISED -	STATE OF ILLINOIS CITY OF SANDWICH	TOP OF WEST APPROACH SLAB ELEVATIONS STRUCTURE NO. 019-6800		M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =		CHECKED - I.P.N.	REVISED -				899	21-00048-00-BR	DEKALB	47	16
	PLOT DATE = 8/21/2025		DRAWN - C.S.C.	REVISED -				PRATT RD. / SOMONAUK CRK.		CONTRACT NO. 87889		
			CHECKED - I.P.N.	REVISED -				SHEET NO. 3 OF 19 SHEETS		ILLINOIS FED. AID PROJECT		

LT. FACE OF BARRIER

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	16+10.77	-15.02'	679.67
A	16+20.77	-15.02'	679.72
B	16+30.77	-15.02'	679.77
E. End E. Appr. Slab	16+40.77	-15.02'	679.83

LT. EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	16+08.45	-11.00'	679.74
A	16+18.45	-11.00'	679.79
B	16+28.45	-11.00'	679.84
E. End E. Appr. Slab	16+38.45	-11.00'	679.89

CL STRUCTURE, ROADWAY & P.G.L.

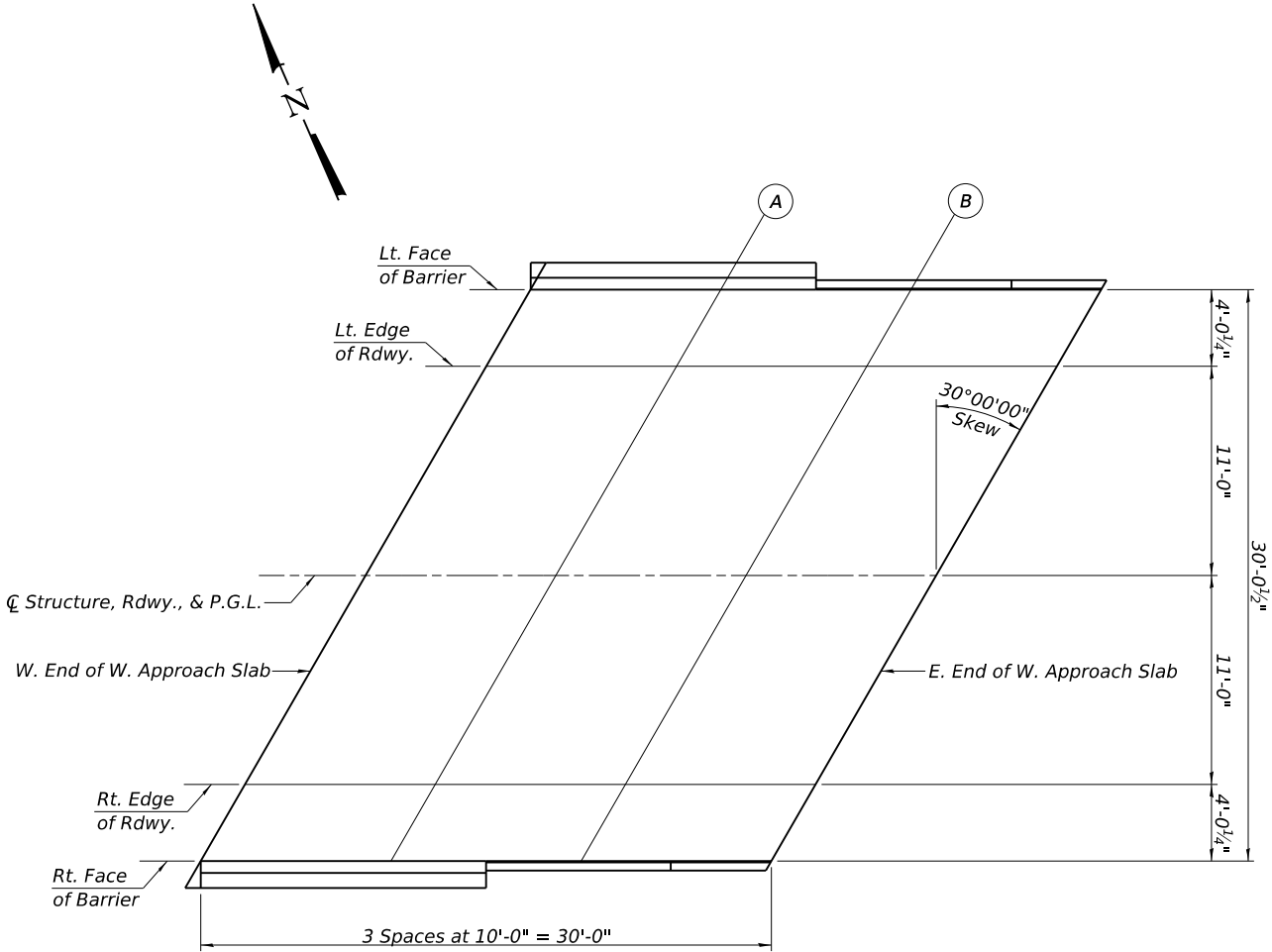
Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	16+02.10	0.00'	679.93
A	16+12.10	0.00'	679.98
B	16+22.10	0.00'	680.03
E. End E. Appr. Slab	16+32.10	0.00'	680.08

RT. EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	15+95.75	11.00'	679.68
A	16+05.75	11.00'	679.73
B	16+15.75	11.00'	679.78
E. End E. Appr. Slab	16+25.75	11.00'	679.83

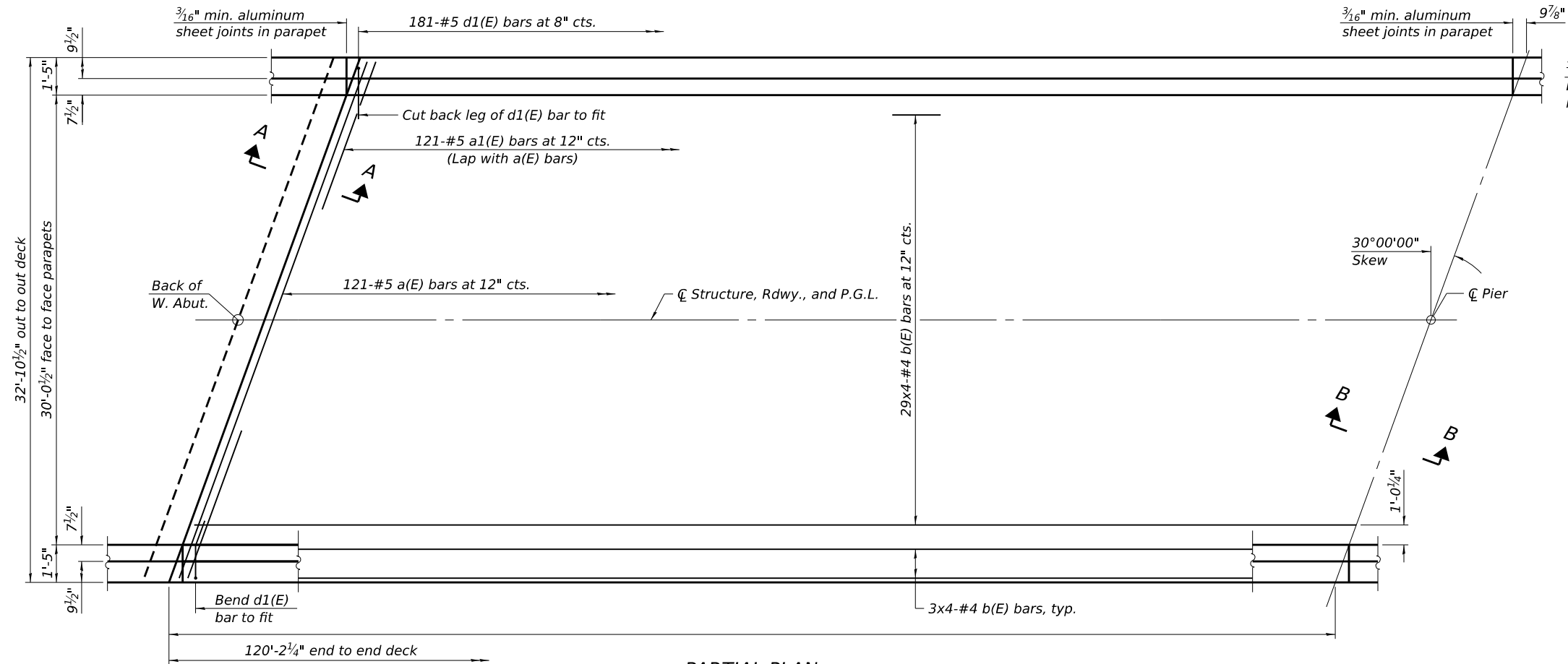
RT. FACE OF BARRIER

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	15+93.42	15.02'	679.58
A	16+03.42	15.02'	679.63
B	16+13.42	15.02'	679.68
E. End E. Appr. Slab	16+23.42	15.02'	679.73



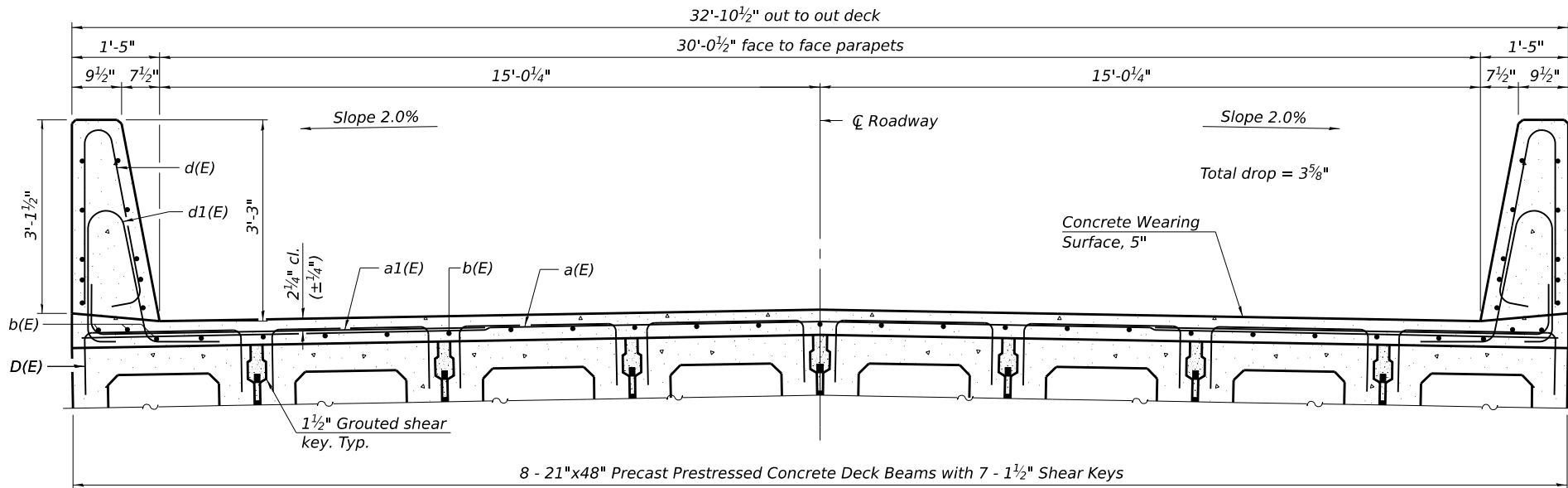
PLAN

MODEL: 4_Top of East Approach Slab Elevations
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C:\Users\cchlopek\OneDrive - Hampton, Lenzini and Renwick, Inc. Desktop\25013-1-1-25013.dgn

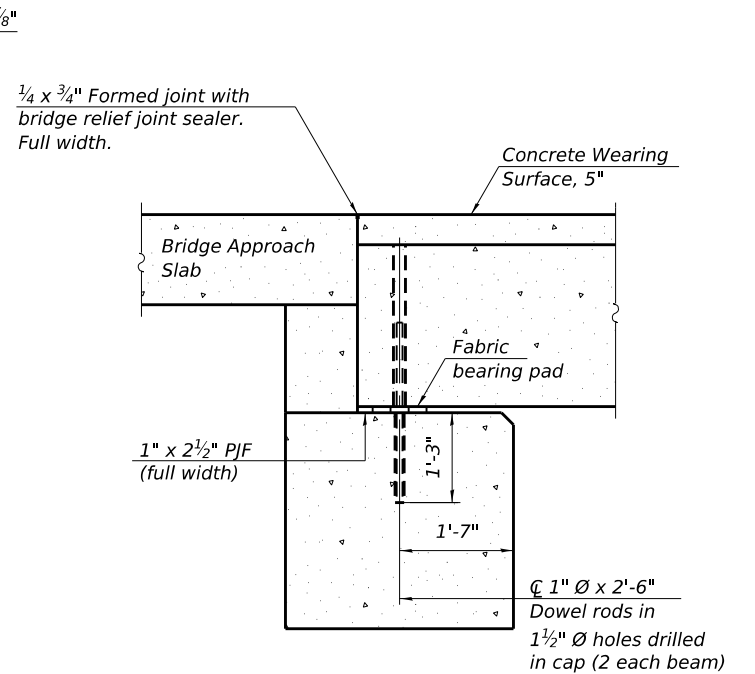


PARTIAL PLAN

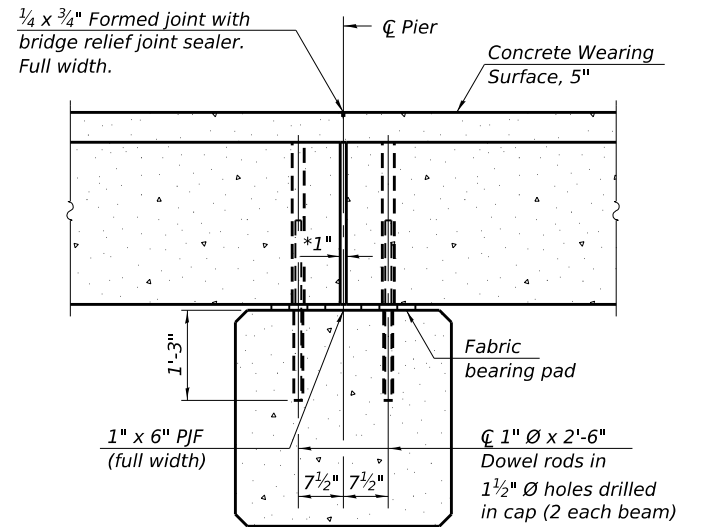
MINIMUM BAR LAP
#4 bar = 2'-2"



CROSS SECTION
(Looking East)



SECTION A-A
(Dimensions are at Rt. L's)



SECTION B-B
(Dimensions are at Rt. L's)

*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

Notes:
See sheet 6 of 19 for Superstructure Details and Bill of Material.
Bars indicated thus 29 x 4 -#4 etc. indicates 29 lines of bars with 4 lengths per line.
Spacing of a(E) and a1(E) bars shall be measured along the C/L of structure.
Concrete wearing surface shall be placed prior to casting approach slab.
See sheet 8 of 19 for fabric bearing pad details.

MODEL: E: Superstructure
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SF-DB1742-CWS-CS-2-L 10-27-2023

HAMPTON, LENZINI AND RENWICK, INC.
1707 N. RANDALL ROAD, SUITE 100
ELGIN, ILLINOIS 60120
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

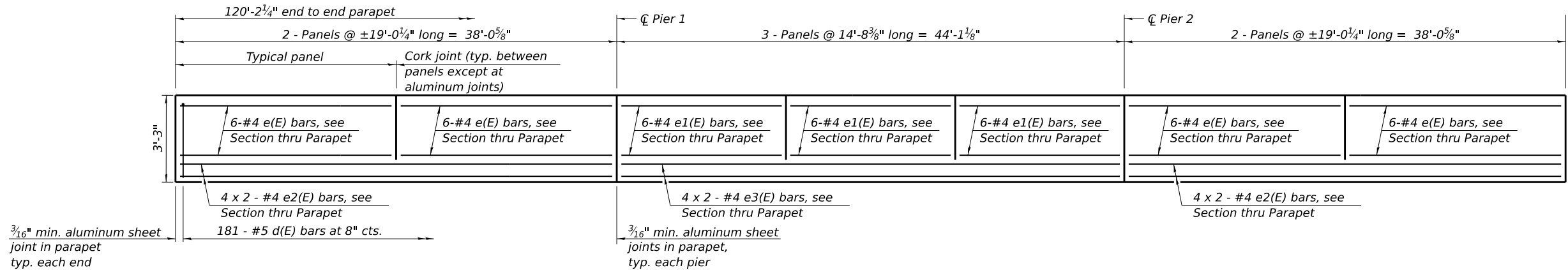
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STATE OF ILLINOIS
CITY OF SANDWICH

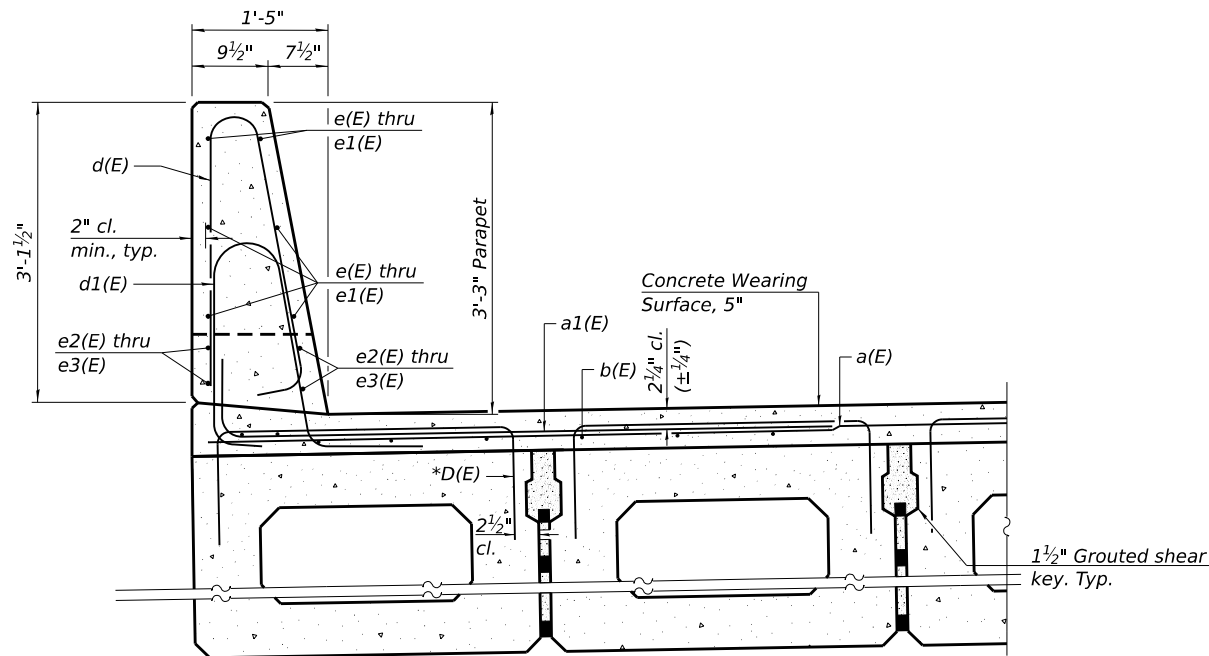
SUPERSTRUCTURE
STRUCTURE NO. 019-6800

SHEET NO. 5 OF 19 SHEETS

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PRATT RD. / SOMONAUKE CRK.		CONTRACT NO. 87889		
		ILLINOIS FED. AID PROJECT		

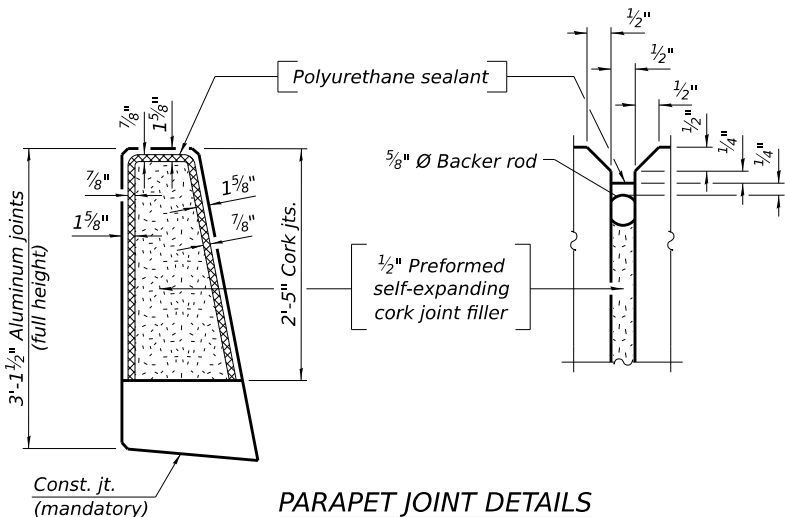


INSIDE ELEVATION OF PARAPET



SECTION THRU PARAPET

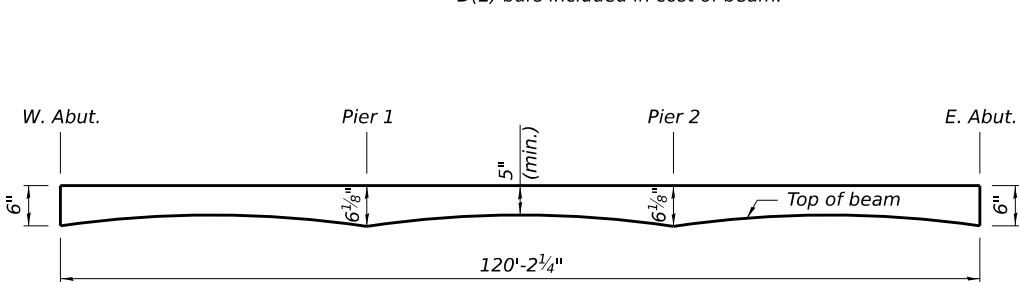
*Place #4 D(E) bars in beams at 9" cts. along the skew projecting 3" above beam. D(E) bars included in cost of beam.



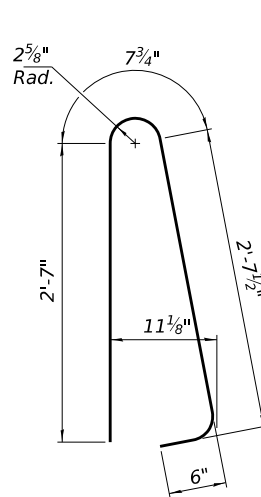
PARAPET JOINT DETAILS

Note:
The 3/16" min. aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
Parapet concrete shall be paid for as Concrete Superstructure.

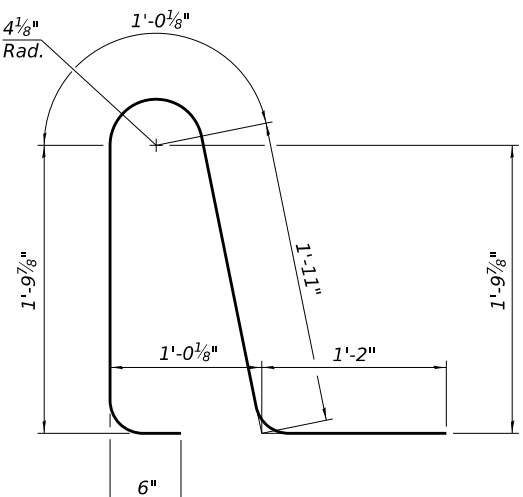
MINIMUM BAR LAP
#4 bar = 2'-5"



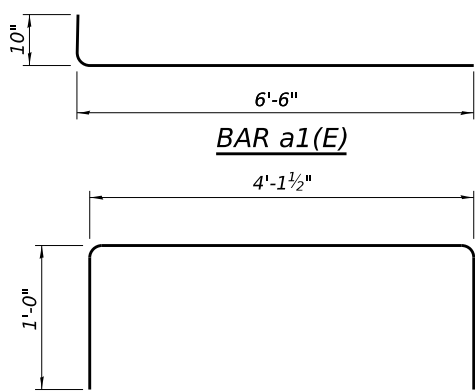
ANTICIPATED CONCRETE WEARING SURFACE PROFILE
(For information only)



BAR d(E)



BAR d1(E)



BAR D(E)

SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	121	#5	37'-7"	—
a1(E)	242	#5	7'-4"	└
b(E)	140	#4	31'-7"	—
d(E)	362	#5	6'-5"	└
d1(E)	362	#5	6'-5"	└
e(E)	48	#4	18'-8"	—
e1(E)	36	#4	14'-4"	—
e2(E)	32	#4	20'-1"	—
e3(E)	16	#4	23'-1"	—
Concrete Superstructure			Cu. Yd.	31.2
Bridge Deck Grooving			Sq. Yd.	401
Protective Coat			Sq. Yd.	511
Concrete Wearing Surface, 5"			Sq. Yd.	401
Reinforcement Bars, Epoxy Coated			Pound	16,020

Bars indicated thus 4 x 2-#4 etc. indicates 4 lines of bars with 2 lengths per line.

SDF-DB1742-CWS-CS-2 5-15-2023

MODEL: 6 Superstructure Detail
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1707 N. RANDALL ROAD, SUITE 100
ELGIN, ILLINOIS 60120
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

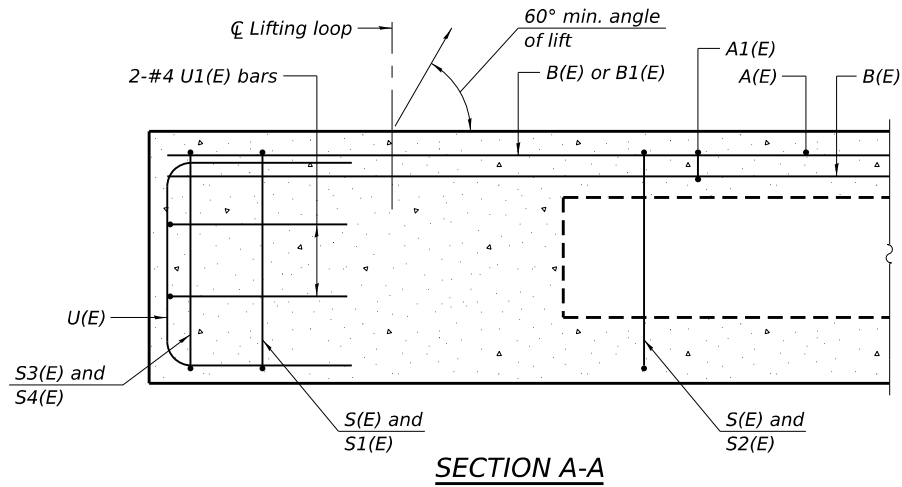
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STATE OF ILLINOIS
CITY OF SANDWICH

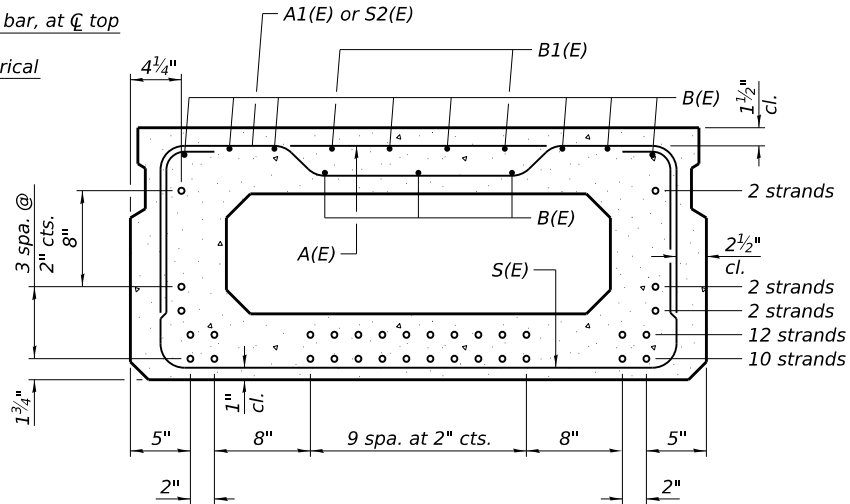
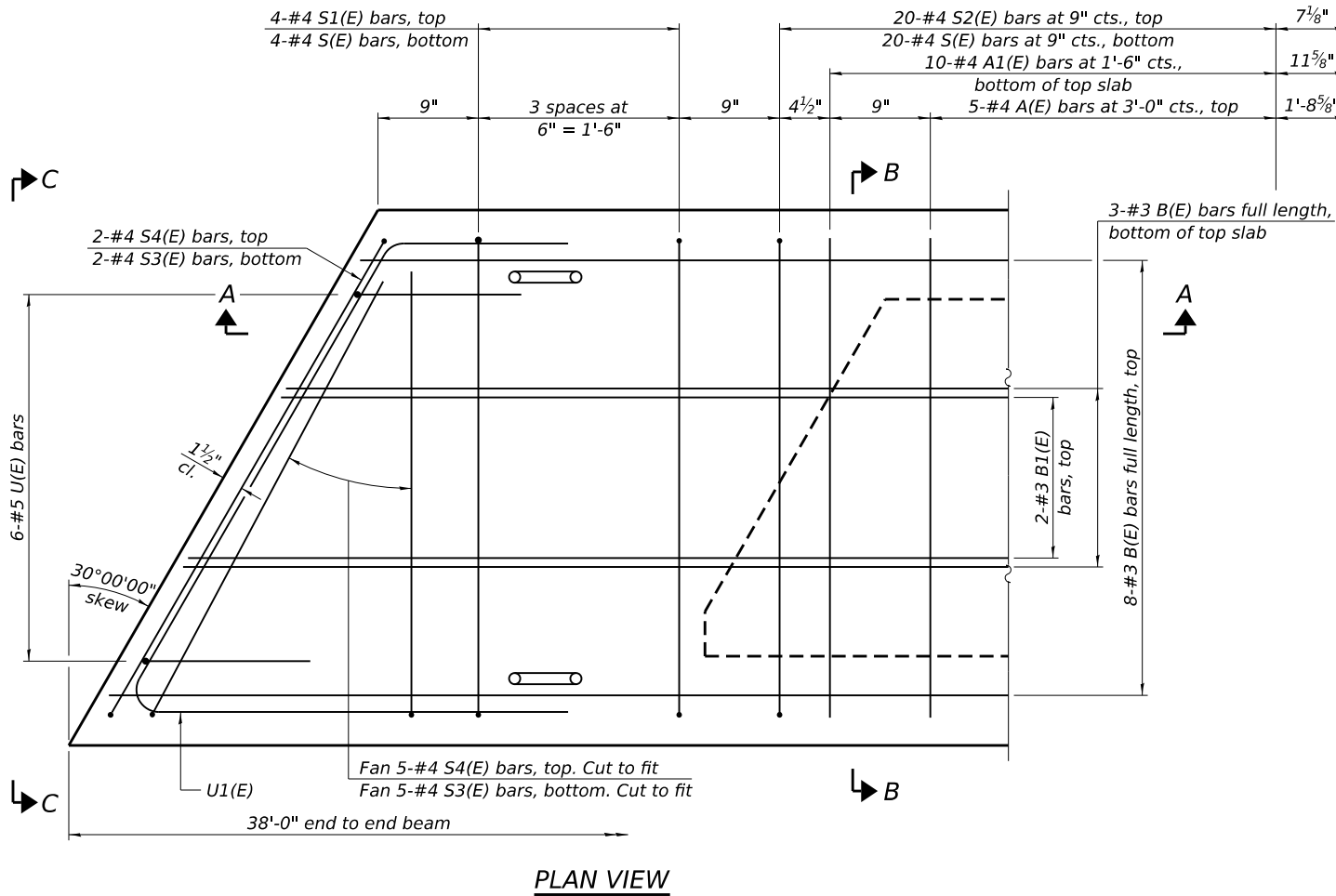
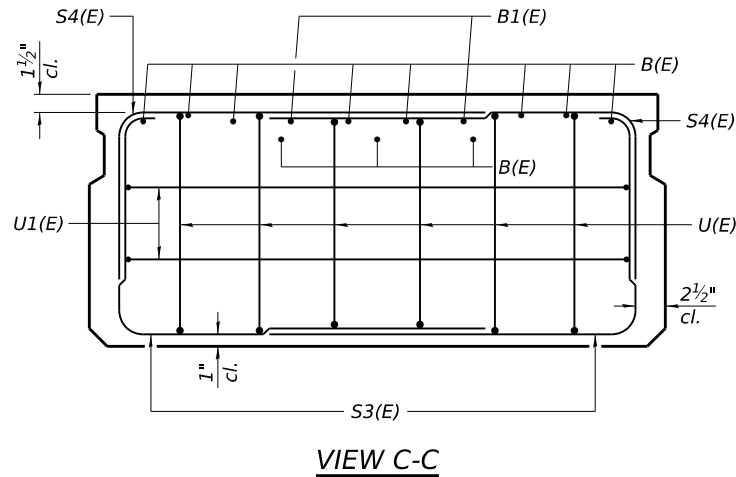
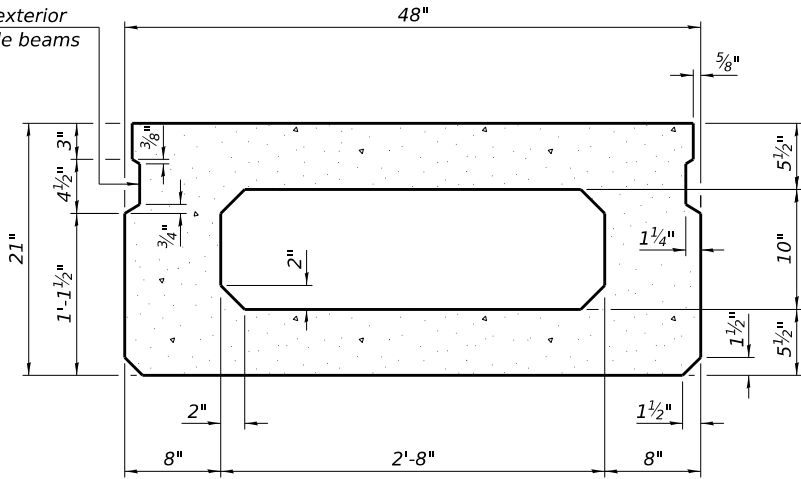
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 019-6800

SHEET NO. 6 OF 19 SHEETS

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	21-00048-00-BR	DEKALB	47	19
PRATT RD. / SOMONAUK CRK.		CONTRACT NO. 87889		
ILLINOIS		FED. AID PROJECT		



Omit key on exterior face of outside beams



BAR LIST ONE BEAM ONLY (For information only)

Bar	No.	Size	Length	Shape
A(E)	11	#4	3'-7"	—
A1(E)	21	#4	3'-10"	—
B(E)	11	#3	37'-4"	—
B1(E)	4	#3	10'-0"	—
*D(E)	51	#4	6'-2"	—
S(E)	49	#4	7'-5"	—
S1(E)	8	#4	5'-11"	—
S2(E)	41	#4	6'-2"	—
S3(E)	14	#4	5'-1"	—
S4(E)	14	#4	4'-4"	—
U(E)	12	#5	4'-0"	—
U1(E)	4	#4	8'-7"	—

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"

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.

Note:
See sheet 8 of 19 for additional details and Bill of Material.
*See Superstructure Details for additional details.

PD-2148-L

5-15-2023

HAMPTON, LENZINI AND RENWICK, INC.
1707 N. RANDALL ROAD, SUITE 100
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

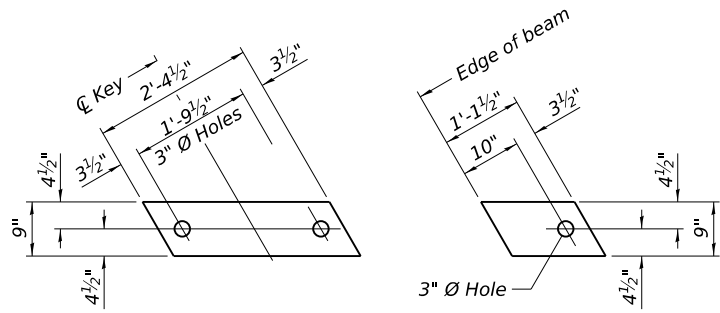
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PLOT DATE = 8/21/2025
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REVISED -

STATE OF ILLINOIS
CITY OF SANDWICH

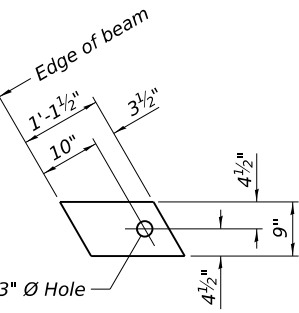
21" x 48" PPC DECK BEAM - SPANS 1 & 3
STRUCTURE NO. 019-6800

SHEET NO. 7 OF 19 SHEETS

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PRATT RD. / SOMONAUKE CRK.		CONTRACT NO. 87889		
ILLINOIS		FED. AID PROJECT		



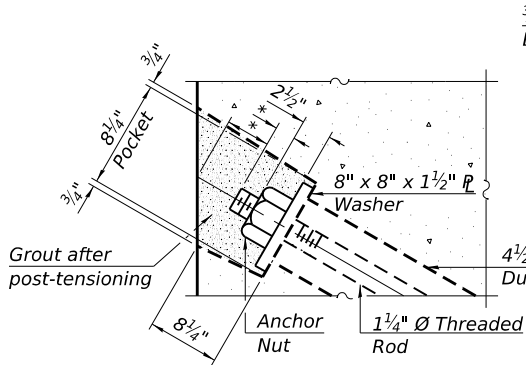
FABRIC BEARING PAD
(Interior)



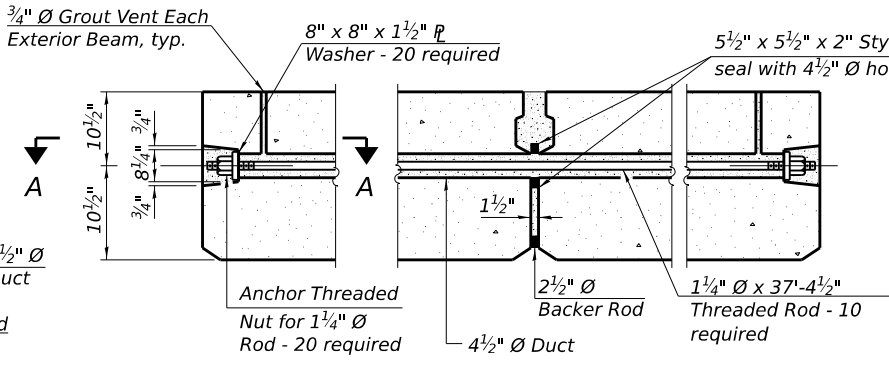
FABRIC BEARING PAD
(Exterior)

Notes:
All bearing pads shall be 1" thick.

FIXED

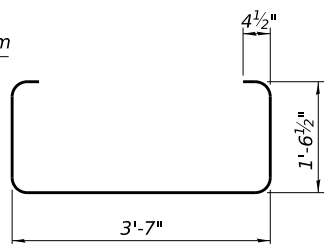


SECTION A-A
*3 1/2"

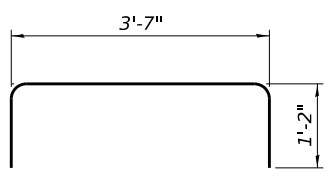


TYPICAL POST-TENSIONED TRANSVERSE TIE ASSEMBLY

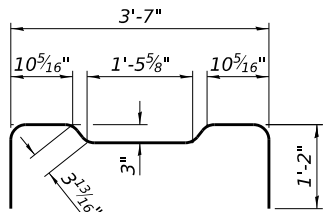
Contract may use multi-strand cables in lieu of threaded rod for post-tensioning.



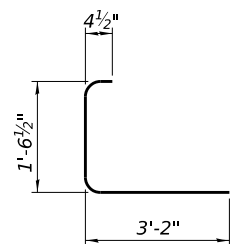
BAR S(E)



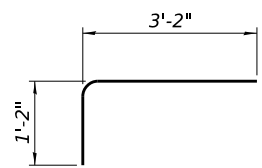
BAR S1(E)



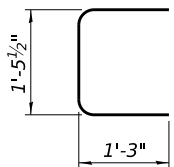
BAR S2(E)



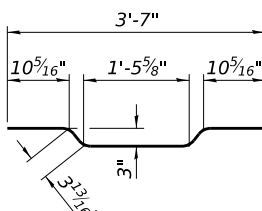
BAR S3(E)



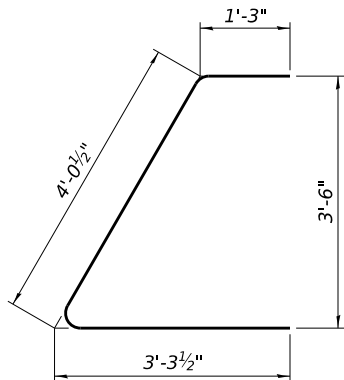
BAR S4(E)



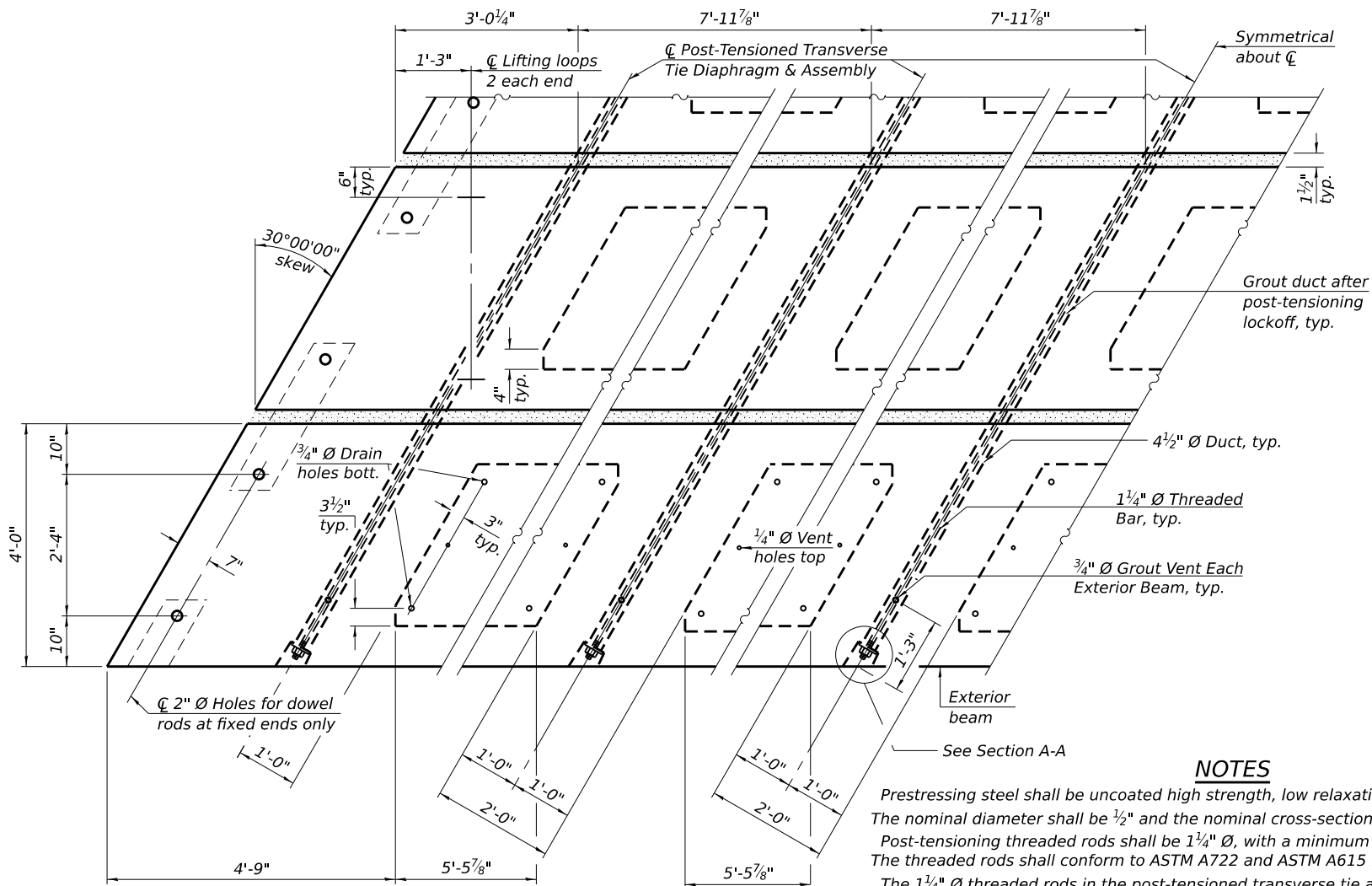
BAR U(E)



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. Post-tensioning threaded rods shall be 1 1/4" Ø, with a minimum ultimate stress, Fu, of 150 ksi. The threaded rods shall conform to ASTM A722 and ASTM A615 requirements.

The 1 1/4" Ø threaded rods in the post-tensioned transverse tie assembly shall be tightened according to the Special Provisions. Pockets on exterior faces of bridge shall be filled with grout after post-tensioned transverse tie assembly is in place.

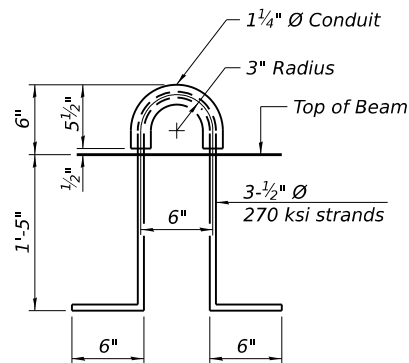
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2 1/2" 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.

All grout shall be non-shrink with a minimum compressive strength, f'c, of 5000 psi.



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	2,432
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PDD-2148-L

5-15-2023

HAMPTON, LENZINI AND RENWICK, INC.
1707 N. RANDALL ROAD, SUITE 100
ELGIN, ILLINOIS 60120
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

USER NAME = ccholepek
DESIGNED - C.S.C.
CHECKED - I.P.N.
PLOT SCALE =
DRAWN - C.S.C.
PLOT DATE = 8/21/2025
CHECKED - I.P.N.
REVISED -

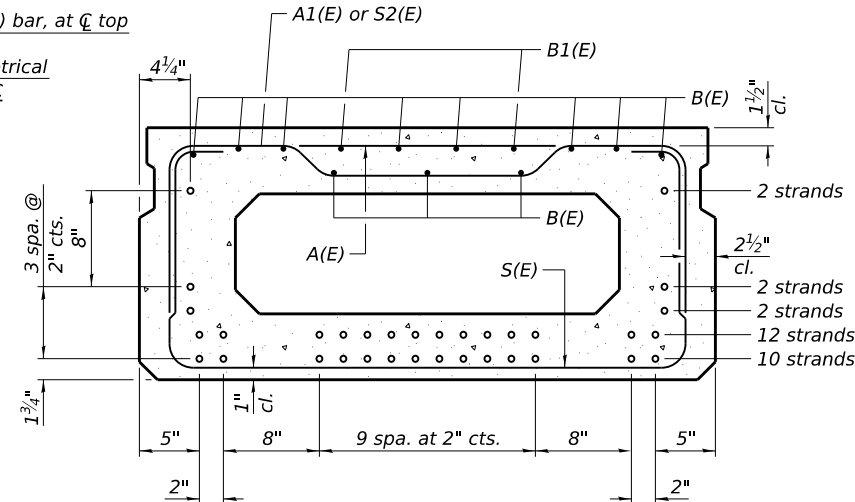
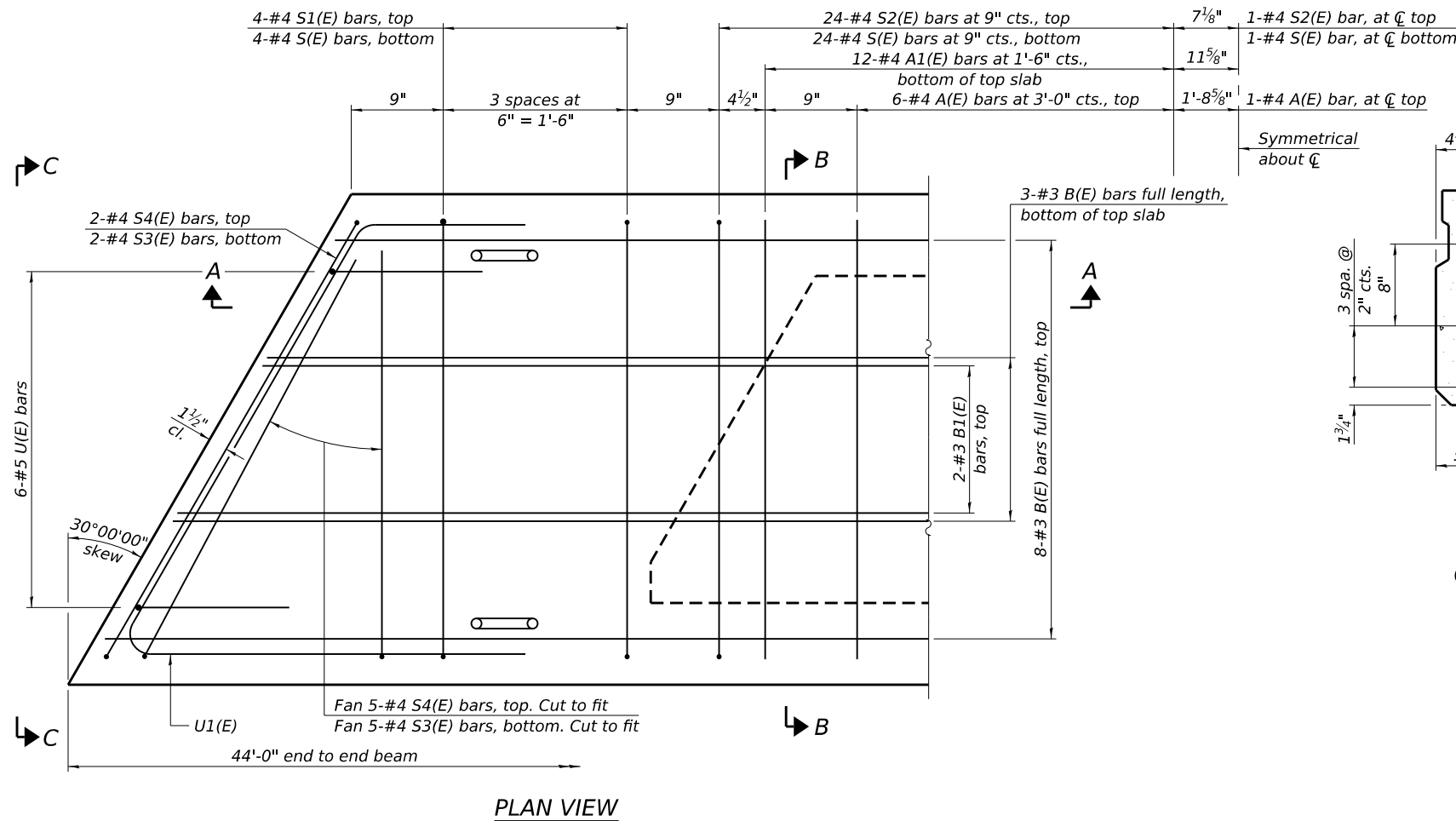
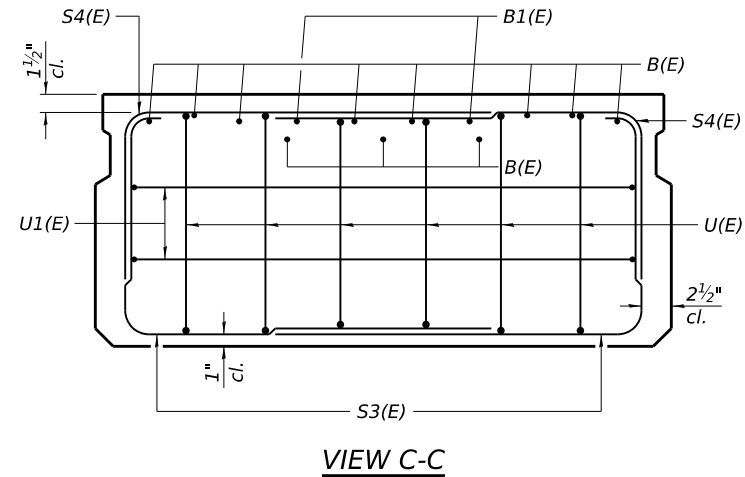
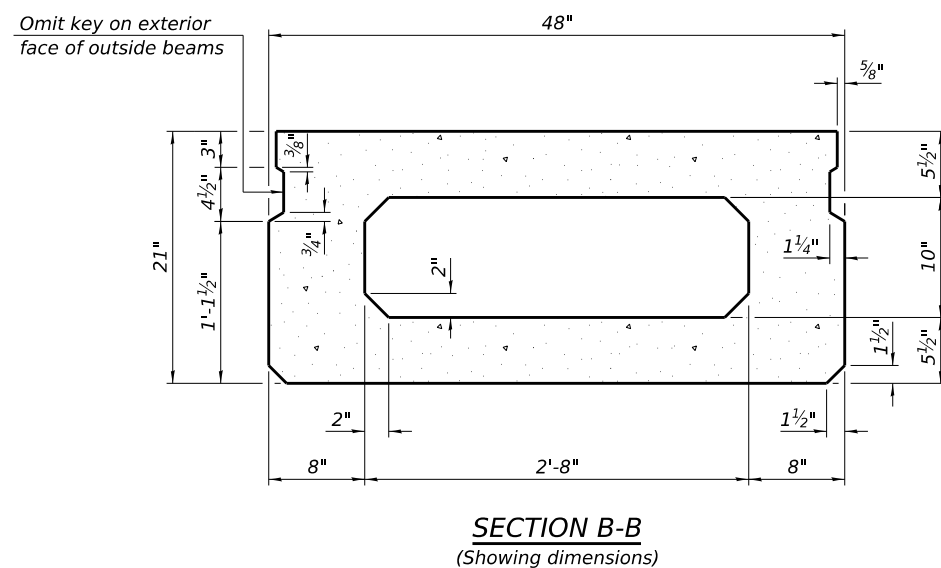
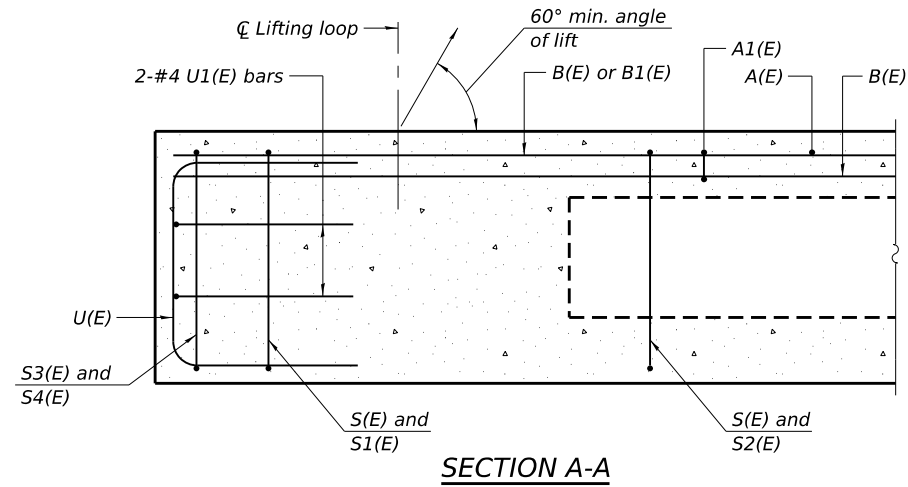
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DRAWN - C.S.C.
PLOT DATE = 8/21/2025
CHECKED - I.P.N.
REVISED -

STATE OF ILLINOIS
CITY OF SANDWICH

21" x 48" PPC DECK BEAM DETAILS - SPANS 1 & 3
STRUCTURE NO. 019-6800

SHEET NO. 8 OF 19 SHEETS

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	21-00048-00-BR	DEKALB	47	21
PRATT RD. / SOMONAUK CRK.		CONTRACT NO. 87889		
		ILLINOIS / FED. AID PROJECT		



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)	13	#4	3'-7"	—
A1(E)	25	#4	3'-10"	—
B(E)	11	#3	43'-8"	—
B1(E)	4	#3	10'-0"	—
*D(E)	59	#4	6'-2"	┐
S(E)	57	#4	7'-5"	┐
S1(E)	8	#4	5'-11"	┐
S2(E)	49	#4	6'-2"	┐
S3(E)	14	#4	5'-1"	┐
S4(E)	14	#4	4'-4"	┐
U(E)	12	#5	4'-0"	┐
U1(E)	4	#4	8'-7"	┐

Note:
See sheet 10 of 19 for additional details and Bill of Material.
*See Superstructure Details for additional details.

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.

MODEL: 0 21-48 PPC Deck Beam - Span 2
FILE NAME: PD20230191 CADD Design CADD Sheets230191-sht-bk.dgn

PD-2148-L

5-15-2023

HAMPTON, LENZINI AND RENWICK, INC.
1707 N. RANDALL ROAD, SUITE 100
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

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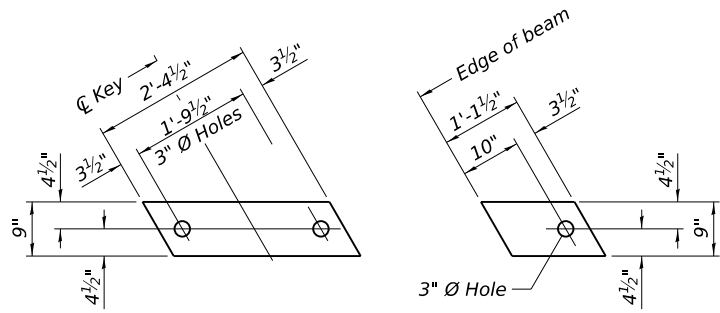
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CHECKED - I.P.N.
DRAWN - C.S.C.
CHECKED - I.P.N.
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
CITY OF SANDWICH

21" x 48" PPC DECK BEAM - SPAN 2
STRUCTURE NO. 019-6800

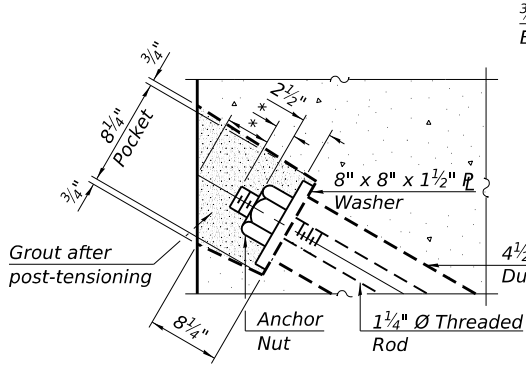
SHEET NO. 9 OF 19 SHEETS

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	21-00048-00-BR	DEKALB	47	22
PRATT RD. / SOMONAUK CRK.		CONTRACT NO. 87889		
ILLINOIS		FED. AID PROJECT		

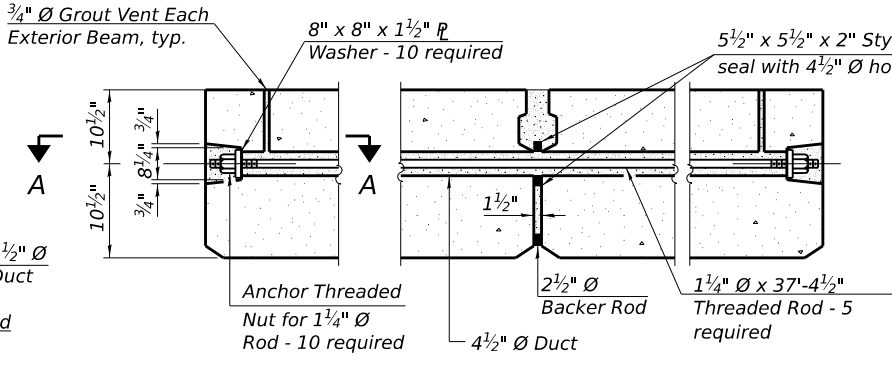


FABRIC BEARING PAD (Interior) FABRIC BEARING PAD (Exterior)

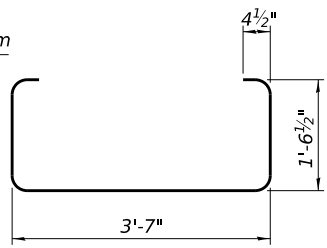
Notes:
All bearing pads shall be 1" thick.



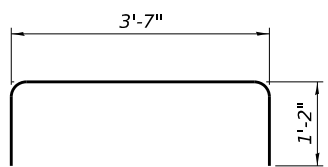
SECTION A-A
*3 1/2"



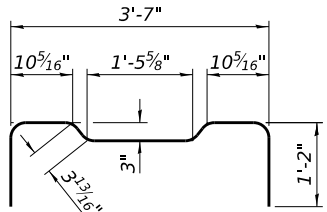
TYPICAL POST-TENSIONED TRANSVERSE TIE ASSEMBLY
Contract may use multi-strand cables in lieu of threaded rod for post-tensioning.



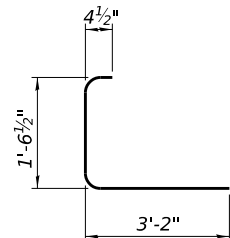
BAR S(E)



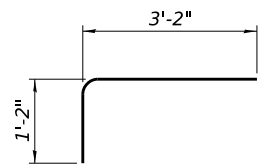
BAR S1(E)



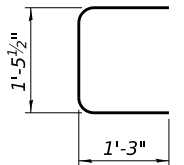
BAR S2(E)



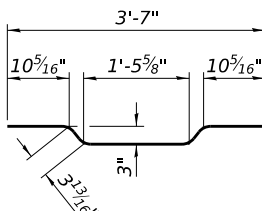
BAR S3(E)



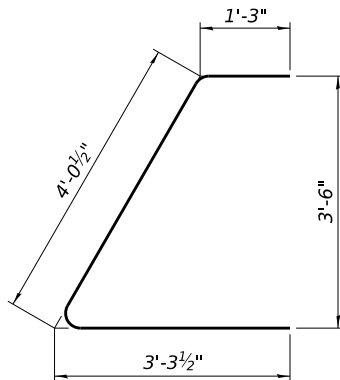
BAR S4(E)



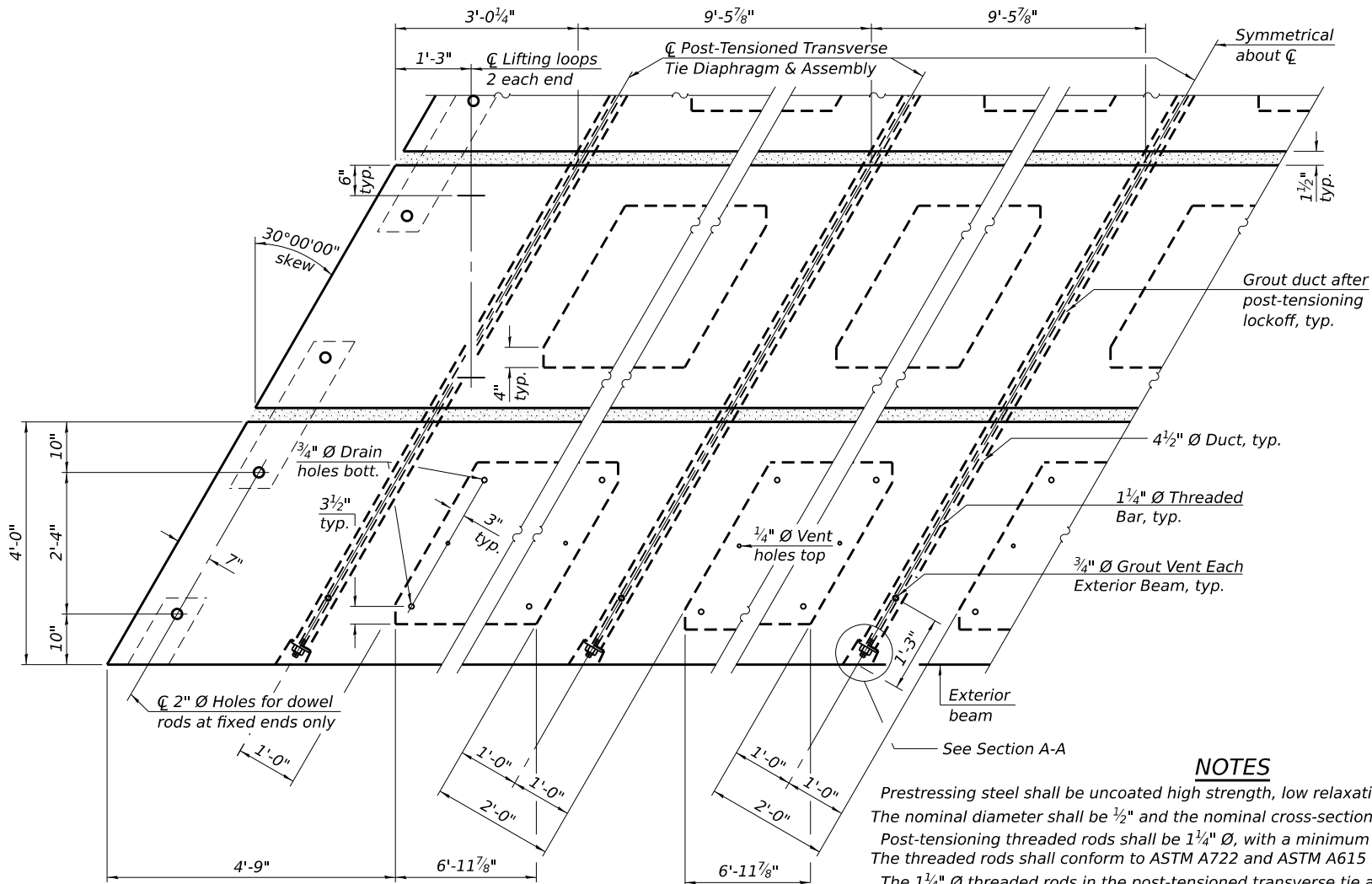
BAR U(E)



BAR A1(E)



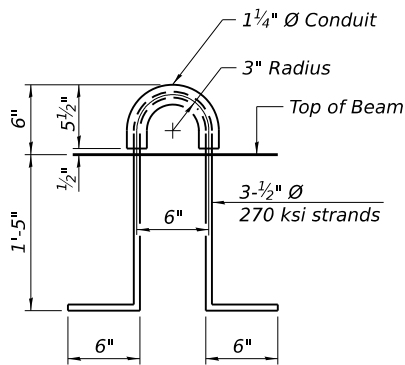
BAR U1(E)



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. Post-tensioning threaded rods shall be 1 1/4" Ø, with a minimum ultimate stress, Fu, of 150 ksi. The threaded rods shall conform to ASTM A722 and ASTM A615 requirements. The 1 1/4" Ø threaded rods in the post-tensioned transverse tie assembly shall be tightened according to the Special Provisions. Pockets on exterior faces of bridge shall be filled with grout after post-tensioned 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" 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. All grout shall be non-shrink with a minimum compressive strength, f'c, of 5000 psi.



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1,408
---	---------	-------

PDD-2148-L

5-15-2023

HAMPTON, LENZINI AND RENWICK, INC.
1707 N. RANDALL ROAD, SUITE 100
ELGIN, ILLINOIS 60120
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

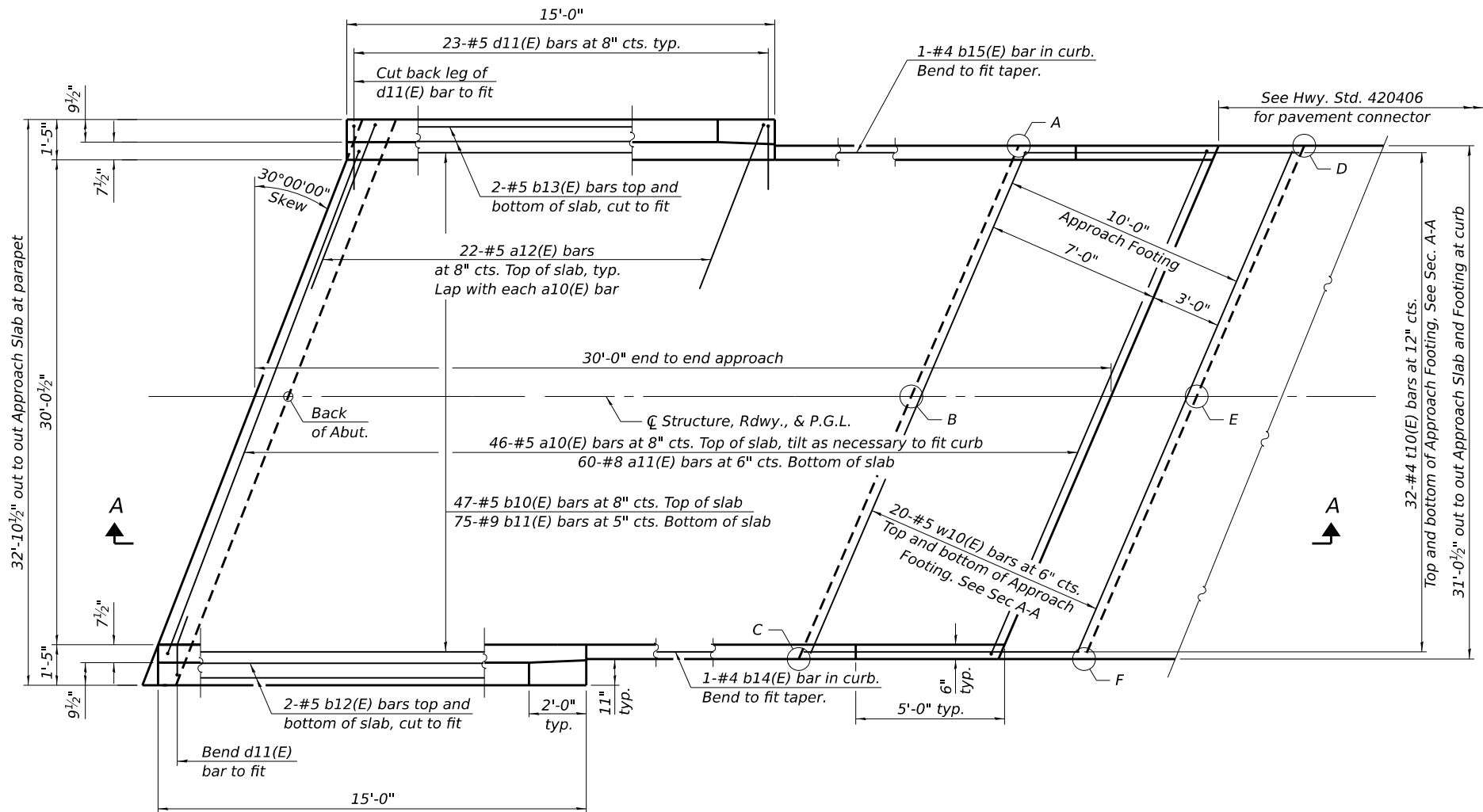
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DESIGNED - C.S.C.
CHECKED - I.P.N.
PLOT SCALE =
DRAWN - C.S.C.
PLOT DATE = 8/21/2025
CHECKED - I.P.N.
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
CITY OF SANDWICH

21" x 48" PPC DECK BEAM DETAILS - SPAN 2
STRUCTURE NO. 019-6800

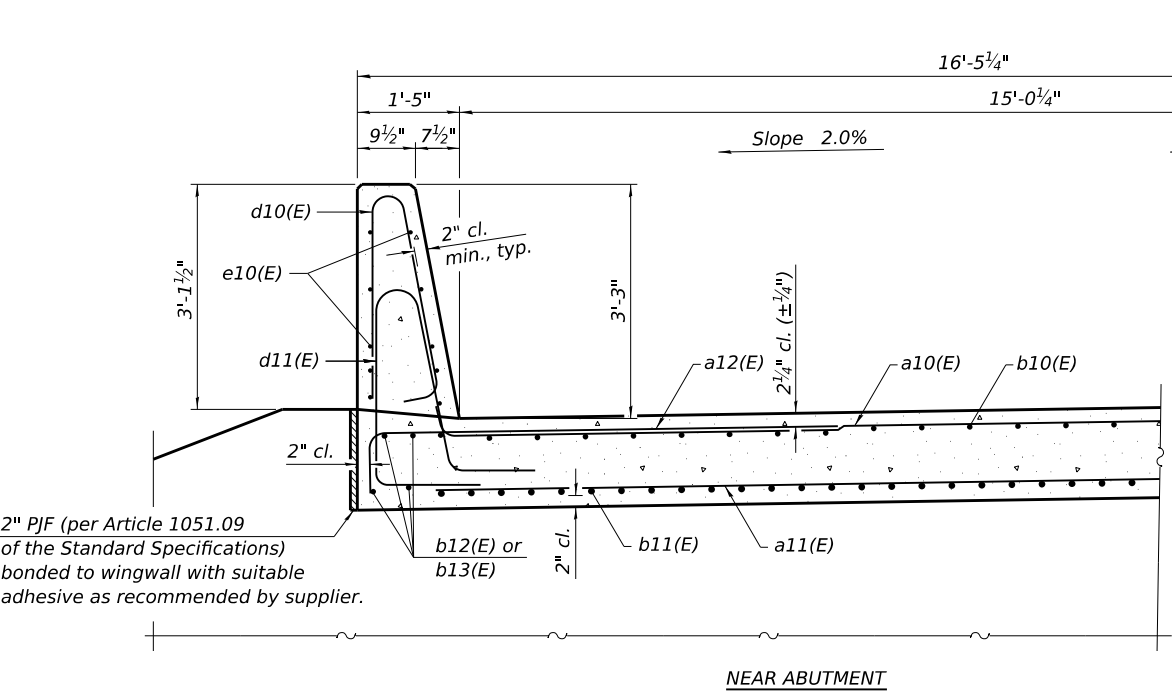
SHEET NO. 10 OF 19 SHEETS

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PRATT RD. / SOMONAUK CRK.		CONTRACT NO. 87889		
ILLINOIS		FED. AID PROJECT		

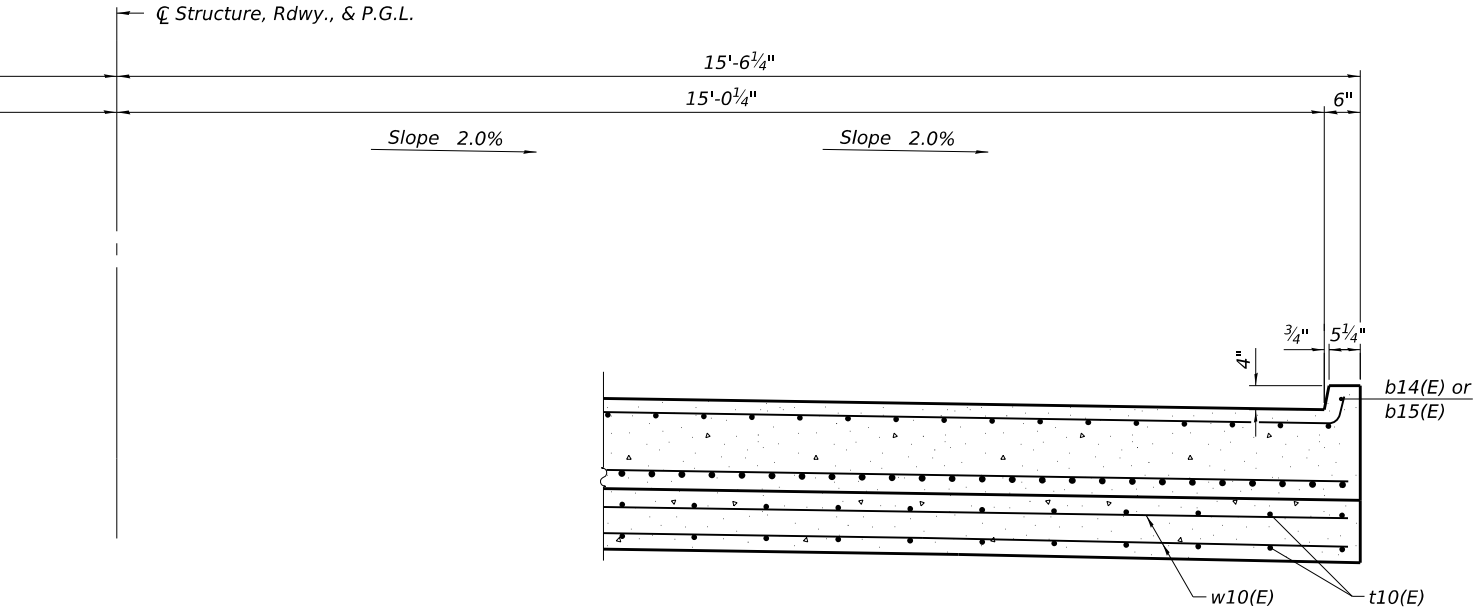


PLAN

(East approach slab shown; West approach slab similar by 180° rotation)



NEAR ABUTMENT



CROSS SECTION
(Looking East)

AT APPROACH FOOTING

TOP & BOTTOM ELEVATIONS FOR DOWNSTATION
APPROACH FOOTING

Location	Station	Offset	Top of Footing Elevations	Bottom of Footing Elevations
A	14+51.03	15.52'	677.61	676.78
B	14+59.99	0.00'	677.97	677.14
C	14+68.95	-15.52'	677.70	676.87
D	14+39.48	15.52'	677.56	676.73
E	14+48.44	0.00'	677.91	677.08
F	14+57.40	-15.52'	677.65	676.81

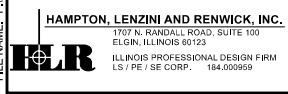
TOP & BOTTOM ELEVATIONS FOR UPSTATION
APPROACH FOOTING

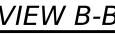
Location	Station	Offset	Top of Footing Elevations	Bottom of Footing Elevations
A	16+32.97	-15.52'	678.52	677.69
B	16+24.01	0.00'	678.79	677.95
C	16+15.05	15.52'	678.43	677.60
D	16+44.52	-15.52'	678.59	677.76
E	16+35.56	0.00'	678.85	678.01
F	16+26.60	15.52'	678.49	677.66

BAIA-CIP-39CS-L(≤30°) 10-27-2023

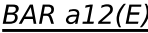
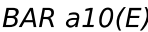
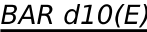
(Sheet 1 of 2)

MODEL: 11 Bridge Approach Slab Detail-1
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 HAMPTON, LENZINI AND RENWICK, INC. 1707 N. RANDALL ROAD, SUITE 100 ELGIN, ILLINOIS 60120 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = cchlopek	DESIGNED - C.S.C.	REVISED -	STATE OF ILLINOIS CITY OF SANDWICH	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 019-6800	M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - I.P.N.	REVISED -			899	21-00048-00-BR	DEKALB	47	24
		PLOT SCALE =	DRAWN - C.S.C.			PRATT RD. / SOMONAUKE CRK.		CONTRACT NO. 87889		
		PLOT DATE = 8/21/2025	CHECKED - I.P.N.			SHEET NO. 11 OF 19 SHEETS		ILLINOIS FED. AID PROJECT		

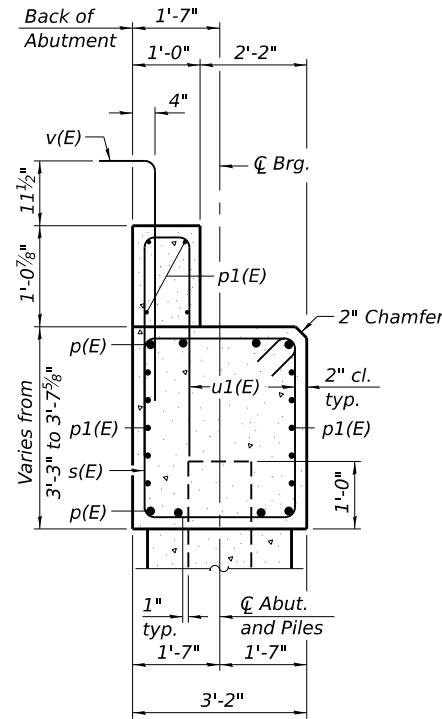
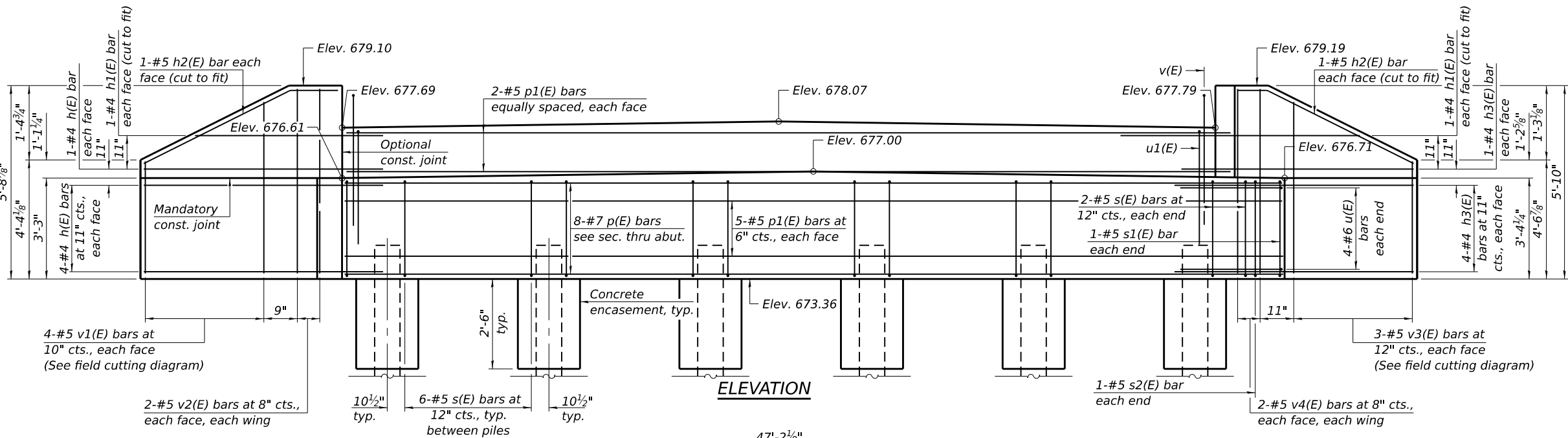


Notes:
Parapet concrete shall be paid for as Concrete Superstructure.
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
Approach footing concrete shall be paid for as Concrete Structures.
The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 19.



TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	92	#5	36'-2"	
a11(E)	120	#8	35'-5"	
a12(E)	88	#5	7'-4"	
b10(E)	94	#5	29'-8"	
b11(E)	150	#9	29'-8"	
b12(E)	8	#5	15'-5"	
b13(E)	8	#5	14'-7"	
b14(E)	2	#4	14'-6"	
b15(E)	2	#4	14'-9"	
d10(E)	92	#5	6'-5"	
d11(E)	92	#5	8'-6"	
e10(E)	40	#4	14'-8"	
t10(E)	128	#4	11'-2"	
w10(E)	80	#5	35'-5"	
Concrete Structures			Cu. Yd.	22.2
Concrete Superstructure			Cu. Yd.	7.8
Bridge Deck Grooving			Sq. Yd.	200
Protective Coat			Sq. Yd.	232
Concrete Superstructure (Approach Slab)			Cu. Yd.	89.2
Reinforcement Bars, Epoxy Coated			Pound	39,560

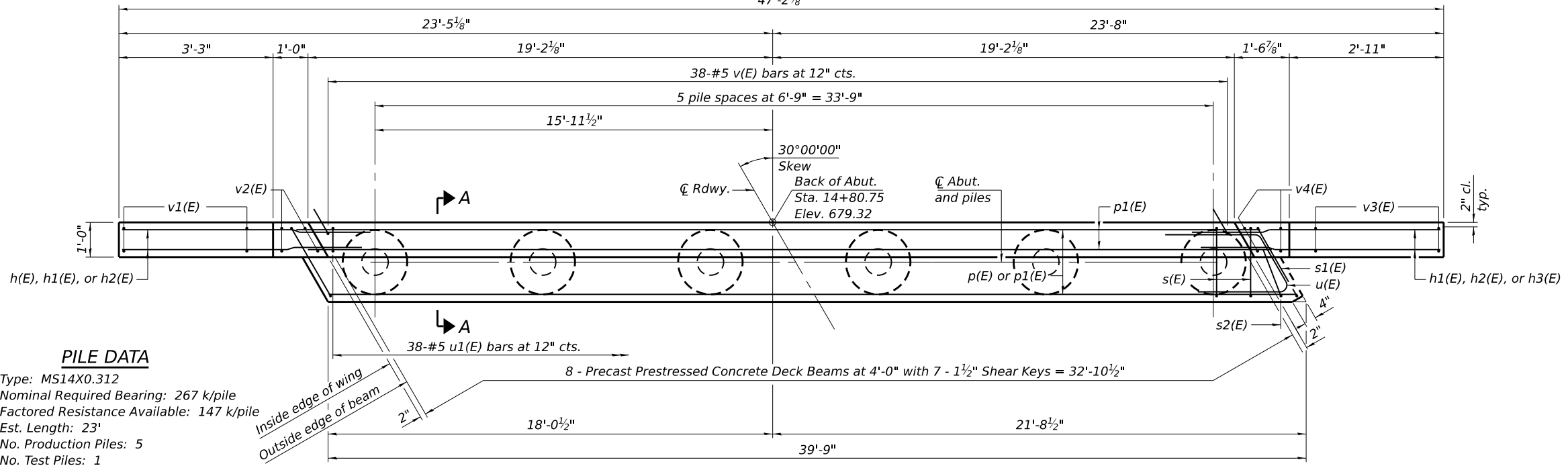


SECTION A-A
(Dimensions are at right angles to abutment)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	10	#4	5'-7"	
h1(E)	4	#4	3'-5"	
h2(E)	4	#5	4'-11"	
h3(E)	10	#4	4'-10"	
p(E)	8	#7	39'-4"	
p1(E)	14	#5	39'-4"	
s(E)	34	#5	12'-5"	
s1(E)	2	#5	13'-3"	
s2(E)	2	#5	6'-11"	
u(E)	8	#6	11'-9"	
u1(E)	38	#5	5'-8"	
v(E)	38	#5	3'-10"	
v1(E)	4	#5	9'-1"	
v2(E)	4	#5	5'-4"	
v3(E)	3	#5	9'-4"	
v4(E)	4	#5	5'-6"	
Structure Excavation			Cu. Yd.	86
Concrete Structures			Cu. Yd.	19.4
Concrete Encasement			Cu. Yd.	2.7
Protective Coat			Sq. Yd.	4
Reinforcement Bars, Epoxy Coated			Pound	2,430
Furnishing Metal Shell Piles 14" X 0.312"			Foot	115
Driving Piles			Foot	115
Test Pile Metal Shells			Each	1
Granular Backfill for Structures			Cu. Yd.	31
Geocomposite Wall Drain			Sq. Yd.	22
Pipe Underdrains for Structures 4"			Foot	70

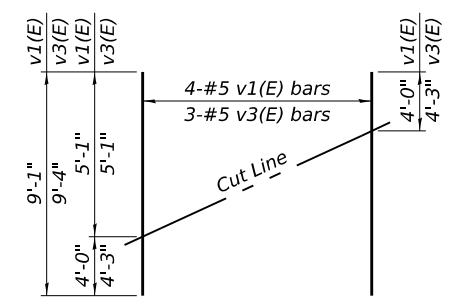
Notes:
For details of piles and Concrete Encasement, see Structural Sheet 16 of 19.
Cast backwall and tops of wingwalls after beams have been erected.



PLAN

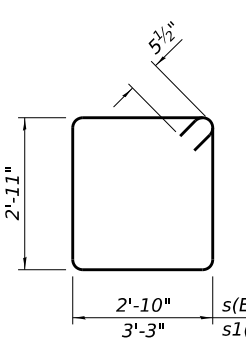
PILE DATA

Type: MS14X0.312
Nominal Required Bearing: 267 k/pile
Factored Resistance Available: 147 k/pile
Est. Length: 23'
No. Production Piles: 5
No. Test Piles: 1

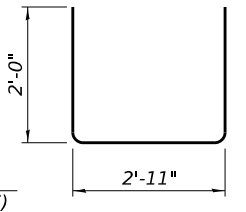


FIELD CUTTING DIAGRAM

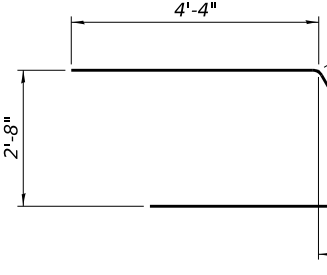
Order v1(E) and v3 bars full length. Cut as shown and use remainder of bars in opposite face.



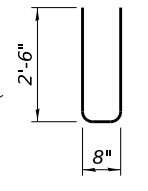
BARS s(E) & s1(E)



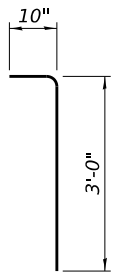
BAR s2(E)



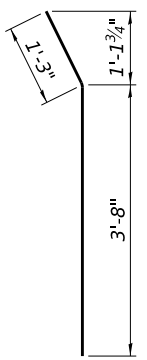
BAR u(E)



BAR u1(E)



BAR v(E)



BAR h2(E)

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AD-SB-L 03-08-2024

HAMPTON, LENZI AND RENWICK, INC.
1707 N. RANDALL ROAD, SUITE 100
ELGIN, ILLINOIS 60120
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.0009593

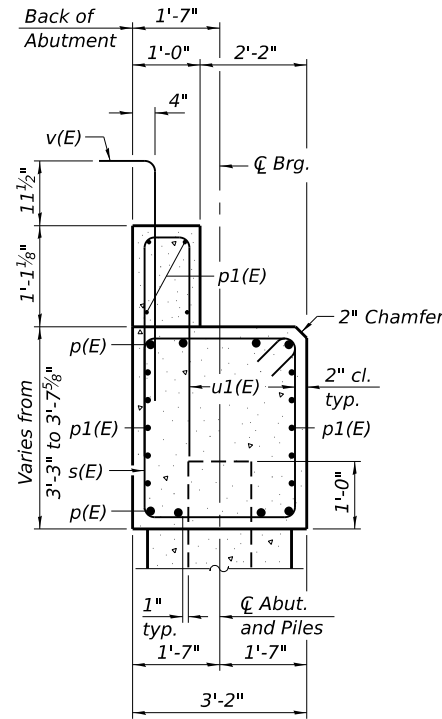
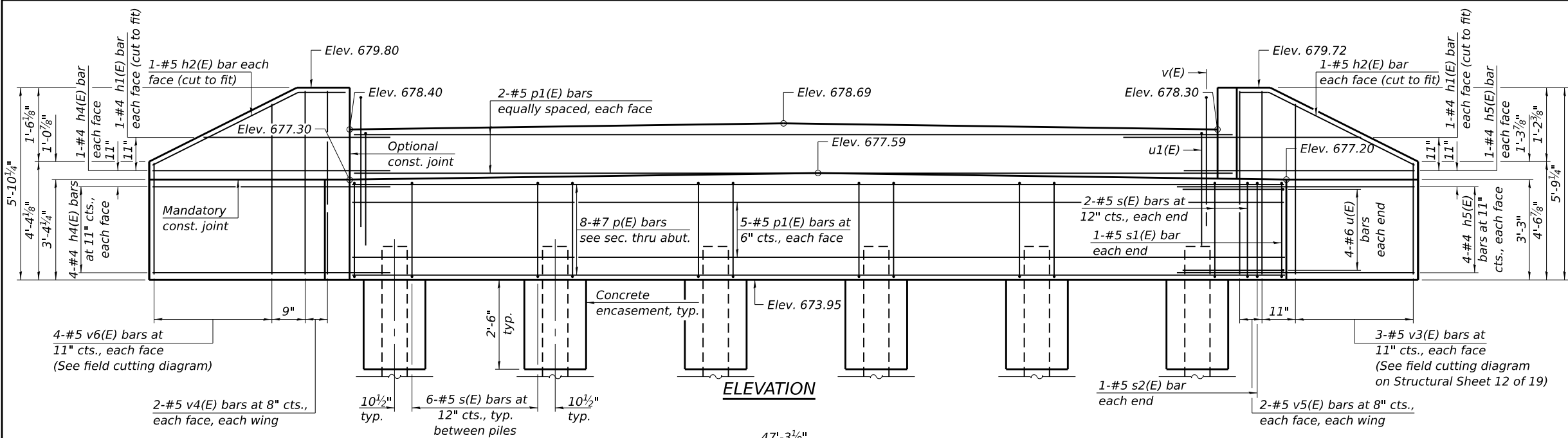
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PLOT DATE	= 8/21/2025	CHECKED	- I.P.N.	REVISED	-

STATE OF ILLINOIS
CITY OF SANDWICH

WEST ABUTMENT
STRUCTURE NO. 019-6800

SHEET NO. 13 OF 19 SHEETS

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	21-00048-00-BR	DEKALB	47	26
PRATT RD. / SOMONAUKE CRK.		CONTRACT NO. 87889		
ILLINOIS		FED. AID PROJECT		



SECTION A-A
(Dimensions are at right angles to abutment)

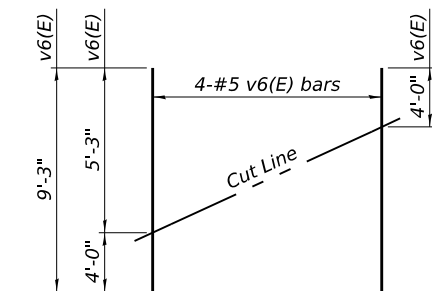
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	4	#4	3'-5"	
h2(E)	4	#5	4'-11"	
h4(E)	10	#4	5'-10"	
h5(E)	10	#4	5'-1"	
p(E)	8	#7	39'-4"	
p1(E)	14	#5	39'-4"	
s(E)	34	#5	12'-5"	
s1(E)	2	#5	13'-3"	
s2(E)	2	#5	6'-11"	
u(E)	8	#6	11'-9"	
u1(E)	38	#5	5'-8"	
v(E)	38	#5	3'-10"	
v3(E)	3	#5	9'-4"	
v4(E)	4	#5	5'-6"	
v5(E)	4	#5	5'-5"	
v6(E)	4	#5	9'-3"	
Structure Excavation			Cu. Yd.	80
Concrete Structures			Cu. Yd.	19.5
Concrete Encasement			Cu. Yd.	2.7
Protective Coat			Sq. Yd.	4
Reinforcement Bars, Epoxy Coated			Pound	2,440
Furnishing Metal Shell Piles 14" X 0.312"			Foot	115
Driving Piles			Foot	115
Test Pile Metal Shells			Each	1
Granular Backfill for Structures			Cu. Yd.	31
Geocomposite Wall Drain			Sq. Yd.	22
Pipe Underdrains for Structures 4"			Foot	69

Notes:
For details of piles and Concrete Encasement, see Structural Sheet 16 of 19.
Cast backwall and tops of wingwalls after beams have been erected.

PILE DATA

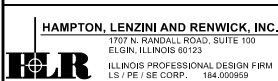
Type: MS14X0.312
Nominal Required Bearing: 267 k/pile
Factored Resistance Available: 147 k/pile
Est. Length: 23'
No. Production Piles: 5
No. Test Piles: 1



FIELD CUTTING DIAGRAM

Order v6(E) bars full length. Cut as shown and use remainder of bars in opposite face.

AD-SB-L 03-08-2024



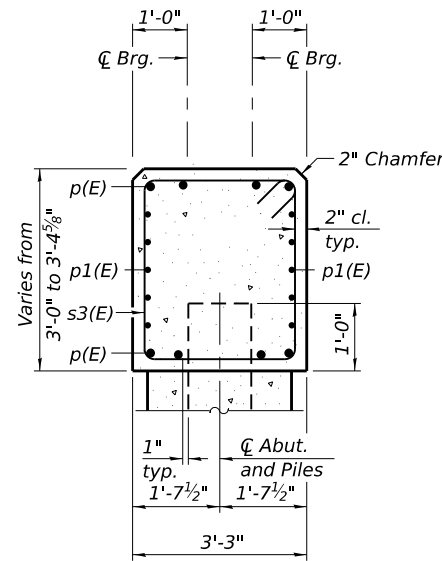
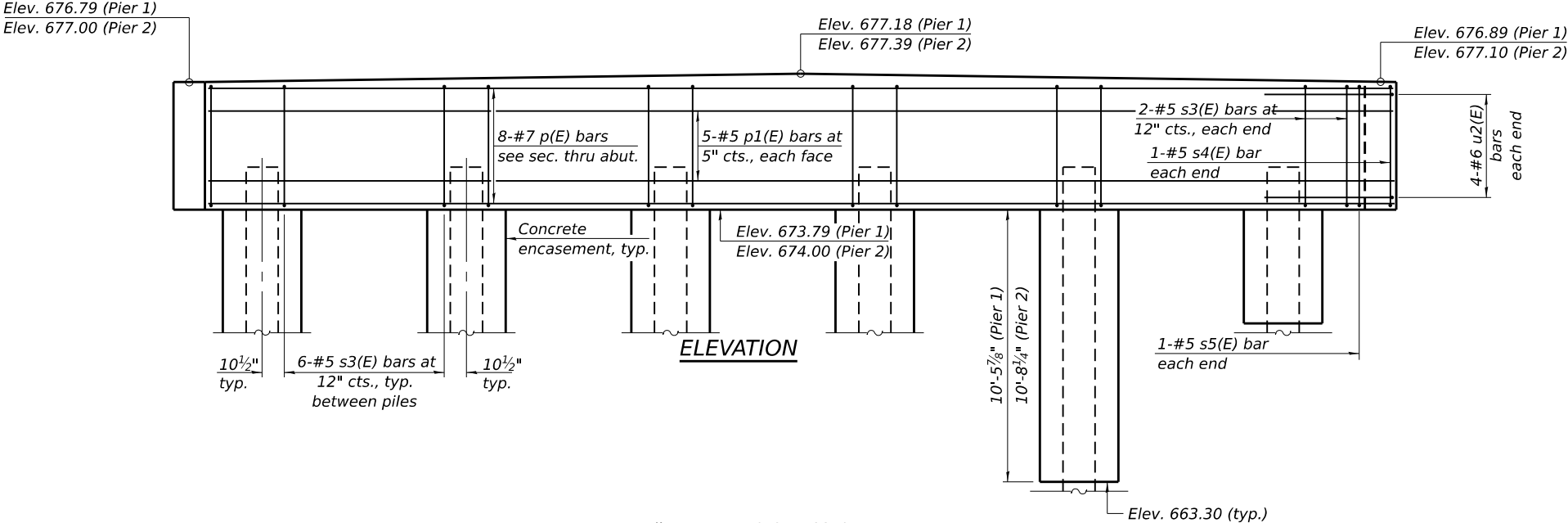
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	CHECKED - I.P.N.	REVISED -
PLOT SCALE =	DRAWN - C.S.C.	REVISED -
PLOT DATE = 8/21/2025	CHECKED - I.P.N.	REVISED -

STATE OF ILLINOIS
CITY OF SANDWICH

EAST ABUTMENT
STRUCTURE NO. 019-6800

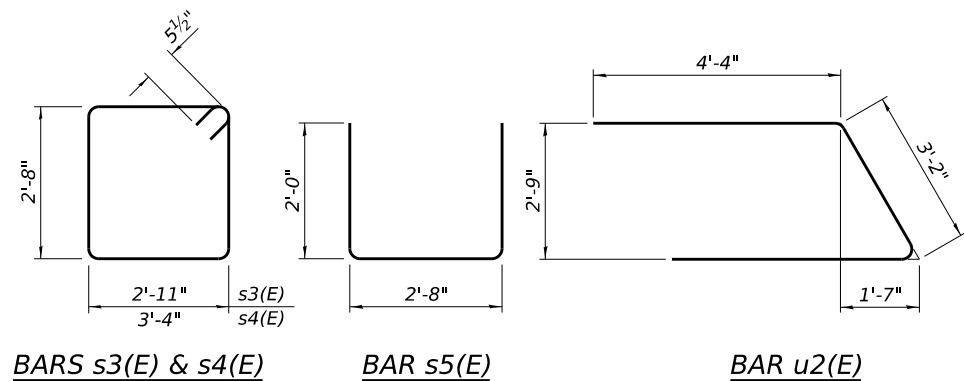
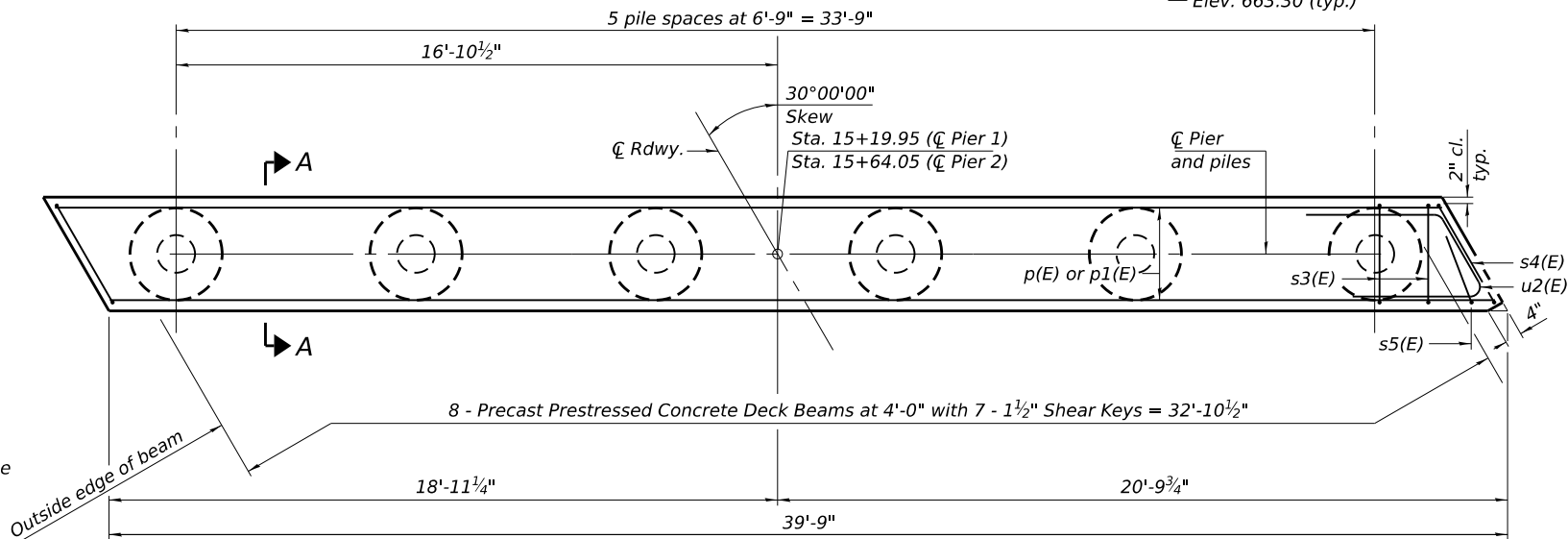
SHEET NO. 14 OF 19 SHEETS

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	21-00048-00-BR	DEKALB	47	27
PRATT RD. / SOMONAUK CRK.		CONTRACT NO. 87889		
ILLINOIS		FED. AID PROJECT		



BILL OF MATERIAL - 2 PIERS

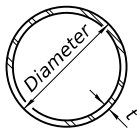
Bar	No.	Size	Length	Shape
p(E)	16	#7	39'-4"	
p1(E)	20	#5	39'-4"	
s3(E)	68	#5	12'-1"	
s4(E)	4	#5	12'-11"	
s5(E)	4	#5	6'-8"	
u2(E)	16	#6	11'-10"	
Concrete Structures		Cu. Yd.	30.8	
Concrete Encasement		Cu. Yd.	22.6	
Reinforcement Bars, Epoxy Coated		Pound	3,330	
Furnishing Metal Shell Piles 14" X 0.312"		Foot	450	
Driving Piles		Foot	450	
Test Pile Metal Shells		Each	2	
Pile Shoes		Each	12	



Notes:
For details of piles and Concrete Encasement, see Structural Sheet 16 of 19.

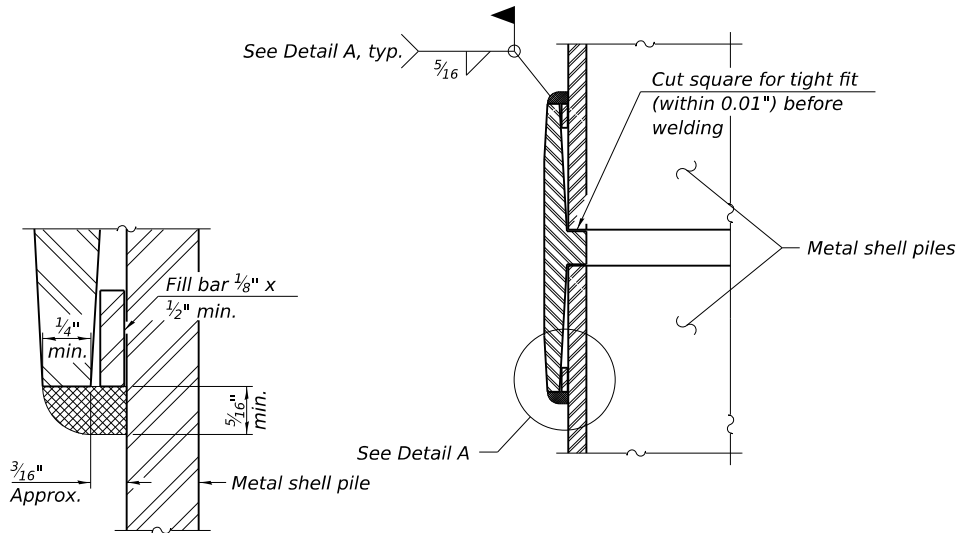
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Nominal Required Bearing: 365 k/pile
Factored Resistance Available: 201 k/pile
Est. Length: 45'
No. Production Piles: 5 per pier
No. Test Piles: 1 per pier

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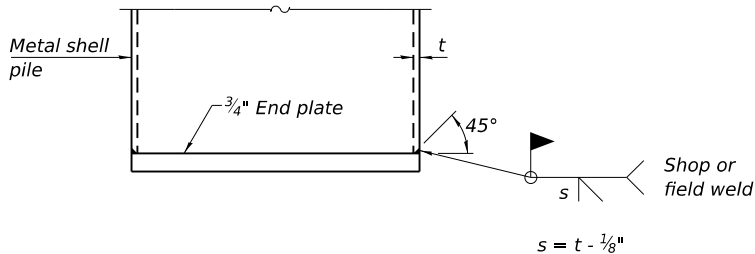


METAL SHELL PILE TABLE

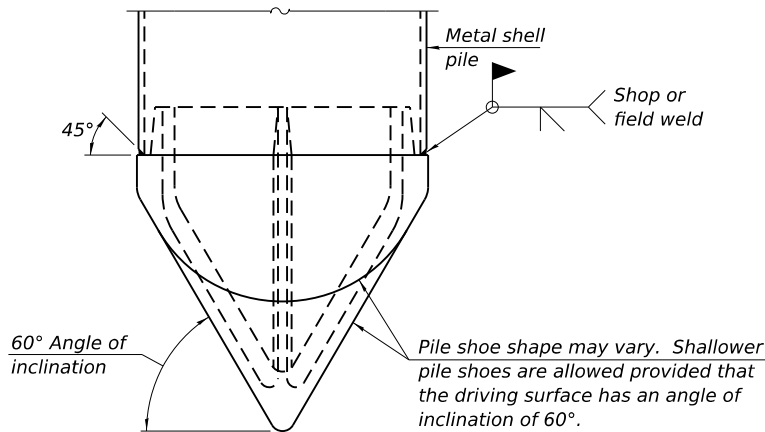
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



DETAIL A



END PLATE ATTACHMENT

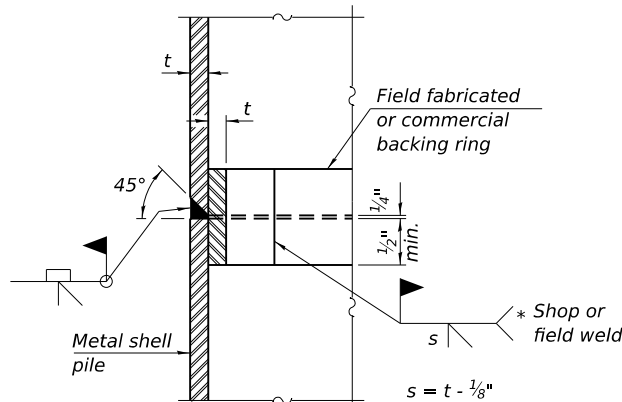


PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).

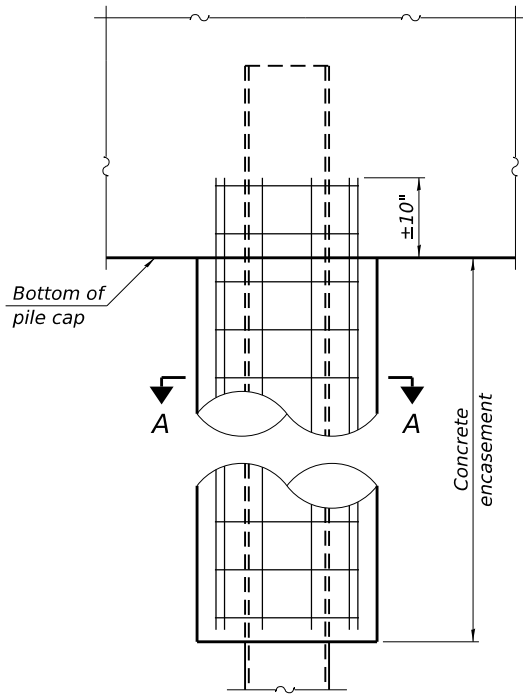
WELDED COMMERCIAL SPLICE

Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.

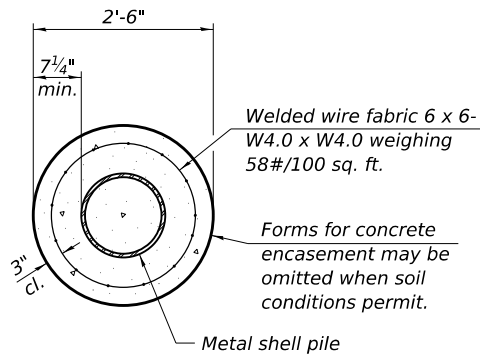


COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

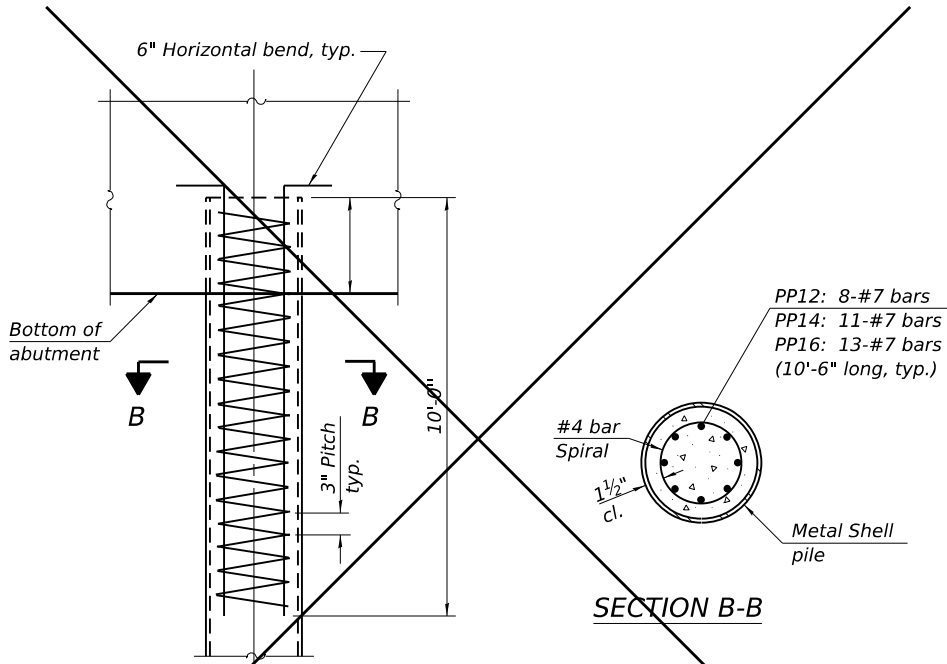


ELEVATION



SECTION A-A

INDIVIDUAL PILE
CONCRETE ENCASEMENT
(When specified)



SECTION B-B

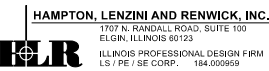
ELEVATION

REINFORCEMENT AT ABUTMENTS
(Omit when concrete encasement is specified)

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

F-MS

5-15-2023



USER NAME = cchopek	DESIGNED - C.S.C.	REVISED -
PLOT SCALE =	CHECKED - I.P.N.	REVISED -
PLOT DATE = 8/21/2025	DRAWN - C.S.C.	REVISED -
	CHECKED - I.P.N.	REVISED -

STATE OF ILLINOIS
CITY OF SANDWICH

METAL SHELL PILE DETAILS
STRUCTURE NO. 019-6800

SHEET NO. 16 OF 19 SHEETS

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	21-00048-00-BR	DEKALB	47	29
PRATT RD. / SOMONAUK CRK.		CONTRACT NO. 87889		
		ILLINOIS / FED. AID PROJECT		

MODEL: 16_Metal Shell Pile Draft
FILE NAME: P2023052019_C0002_Design/CADD_Sheets/23019-ship-bp.dgn
8/21/2025 8:52:18 AM

MSET PROJECT NO.: 23483		LOG OF BORING NO. SB-1		Page 1 of 2					
PROJECT: Pratt Road Over Somomauk Creek		SITE LOCATION: Sandwich, IL							
BORING LOCATION: West Abutment		CLIENT: Hampton Leqzini Renwick, Inc.							
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	
0		Bituminous Concrete (7")	679.0						
		Granular Base Course (20")	678.4	SS	1	21	6		0.5 Qp
		Fill: Brown and Grey SAND with Gravel, A-1-2, medium dense	676.8						
		Fill: Black & Brown Silty LOAM, A-4, slightly dense	675.5	SS	2	7	19	106	0.97
5				SS	3	5	31		1.0 Qp
		Fill: Black & Brown Silty Clay LOAM, A-7-6, stiff	670.5	SS	4	6	26		1.0 Qp
		Black & Brown Sandy LOAM with Gravel, A-2-4, slightly dense	668.0	SS	5	4	17		0.2 Qp
		Dark Grey SAND with Gravel, A-2, medium dense	666.0	SS	6A	15	12		
		Grey Sandy LOAM with Gravel, A-2- 4, medium dense	665.0	SS	6B	15	12		1.5 Qp
15		Grey CLAY with Gravel, A-6, very stiff	664.0	SS	7	18	9		2.0 Qp
		Grey CLAY, A-6, hard to very stiff	660.5	SS	8	26	11	119	2.79
20				SS	9	45	17		4.5 Qp
				SS	10	35	9		3.0 Qp
25				SS	11	21	15		3.5 Qp
		Grey Coarse SAND, A-2, medium dense	651.0	SS	12	26	13		
30									
		Grey Fine to Medium SAND, A-2, medium dense	645.5	SS	13	27	16		
35									
WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 12.5' IMMEDIATELY AFTER DRILLING: DELAYED READING AFTER:		 MSET		BORING STARTED: 7/14/23 BORING COMPLETED: 7/14/23 LOGGED BY: MS BORING METHOD: HSA					

Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875

MSET PROJECT NO.: 23483		LOG OF BORING NO. SB-1		Page 2 of 2					
PROJECT: Pratt Road Over Somomauk Creek		SITE LOCATION: Sandwich, IL							
BORING LOCATION: West Abutment		CLIENT: Hampton Leqzini Renwick, Inc.							
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	
40		Grey Fine to Medium SAND, A-2-4, dense	640.5	SS	14	40	18		
45		Grey CLAY, A-6, very stiff	635.0	SS	15	24	16		2.5 Qp
				SS	16	18	15	120	4.31
50									
				SS	17	18	9	135	3.72
55									
				SS	18	37	15		
60		Grey Fine/Medium SAND, A-2, dense	619.5						
		Grey Fine-Coarse SAND with Gravel, A-1 b, very dense	615.5	SS	19	63	9		
65									
				SS	20	59	15		
70		End of Boring at 70.0'	609.0						
WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 12.5' IMMEDIATELY AFTER DRILLING: DELAYED READING AFTER:		 MSET		BORING STARTED: 7/14/23 BORING COMPLETED: 7/14/23 LOGGED BY: MS BORING METHOD: HSA					

Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875

(Sheet 1 of 2)

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8/21/2025 8:52:19 AM

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		CHECKED - I.P.N.	REVISED -	899				21-00048-00-BR	DEKALB	47	30	
		DRAWN - C.S.C.	REVISED -	PRATT RD. / SOMONAUK CRK.				CONTRACT NO. 87889				
		CHECKED - I.P.N.	REVISED -	ILLINOIS FED. AID PROJECT								

MODEL: 16 Borings-2
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CADD: Sheets/230191-sh-borings.dgn

MSET PROJECT NO.: 23483		LOG OF BORING NO. SB-2		Page 1 of 2					
PROJECT: Pratt Road Over Somomauk Creek			SITE LOCATION: Sandwich, IL						
BORING LOCATION: East Abutment			CLIENT: Hampton Leqzini Renwick, Inc.						
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	
0		Bituminous Concrete (4.5")	679.0						
		Granular Base Course (11.5")	678.6						
		Fill: Brown CLAY, A-6, very stiff	677.7	SS	1	14	9	129	3.45
		Fill: Black & Brown Silty LOAM, A-4, medium dense	675.5	SS	2	10	19	91	1.36
5									
		Fill: Black & Grey SAND with Gravel, A-1-b, medium dense	673.0	SS	3	24	9	117	
		Dark Grey and Brown Silty LOAM, A-4, very loose	670.5	SS	4	2	30		0.5 Qp
10									
		Dark Grey GRAVEL with Silt and Sand, A-1-a, wet, slightly dense to medium dense	668.0	SS	5	5	22		
				SS	6	19	30		
				SS	7	20	12		
				SS	8	21	19		
20									
		Grey Fine-Coarse SAND, A-2, medium dense to dense	658.0	SS	9	24	12		
				SS	10	29	15		
25				SS	11	29	12		
				SS	12	33	12		
30									
				SS	13	28	14		
35									
WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 12.5' IMMEDIATELY AFTER DRILLING: DELAYED READING AFTER			 MSET		BORING STARTED: 7/13/23 BORING COMPLETED: 7/13/23 LOGGED BY: MS BORING METHOD: HSA				
Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875									

MSET PROJECT NO.: 23483		LOG OF BORING NO. SB-2		Page 2 of 2					
PROJECT: Pratt Road Over Somomauk Creek			SITE LOCATION: Sandwich, IL						
BORING LOCATION: East Abutment			CLIENT: Hampton Leqzini Renwick, Inc.						
DEPTH (feet)	SOIL TYPE	Material Description	Elevation	SAMPLE		TESTS			REMARKS
				TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	
40		Grey Fine-Coarse SAND, A-2, medium dense to dense		SS	14	39	13		
				SS	15	31	11		
45									
		Grey Fine-Medium SAND, A-2, very dense	630.5	SS	16	50	17		
50									
		Grey Fine-Coarse SAND, A-2, medium dense	625.5	SS	17	26	13		
55									
				SS	18	17	18		
60		End of Boring at 60.0'	619.0						
WATER LEVEL OBSERVATIONS, ft. DURING DRILLING: 12.5' IMMEDIATELY AFTER DRILLING: DELAYED READING AFTER			 MSET		BORING STARTED: 7/13/23 BORING COMPLETED: 7/13/23 LOGGED BY: MS BORING METHOD: HSA				
Midland Standard Engineering & Testing, Inc. 410 Nolen Drive, South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875									

(Sheet 2 of 2)

 HAMPTON, LENZINI AND RENWICK, INC. 1707 N. RANDALL ROAD, SUITE 100 ELGIN, ILLINOIS 60120 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	USER NAME = cchopek	DESIGNED - C.S.C.	REVISED -	STATE OF ILLINOIS CITY OF SANDWICH	BORINGS STRUCTURE NO. 019-6800	M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - C.S.C.	REVISED -			899	21-00048-00-BR	DEKALB	47	31
	PLOT DATE = 8/21/2025	CHECKED - I.P.N.	REVISED -			PRATT RD. / SOMONAUKE CRK.		CONTRACT NO. 87889		
						SHEET NO. 18 OF 19 SHEETS		ILLINOIS FED. AID PROJECT		

BILL OF MATERIAL - STRUCTURE				
ITEM	UNIT	SUPER	SUB	TOTAL
CLASS X CONCRETE	CY YDS		270.2	270.2
REINFORCEMENT BARS	LBS.		8,660	8,660
PRECAST CONCRETE BRIDGE SLABS	SQ. FT.	2520		2520
BITUMINOUS MATERIALS (PRIME COAT)	GALS.	26		26
BIT. CONCRETE SURFACE COURSE, SUB CLASS I-II	TONS	22		22
REMOVAL OF EXISTING STRUCTURES	EACH			
METAL PLATE BRIDGE RAIL	LIN. FT.	162		162
FURNISHING STEEL PILES (8BP36)	LIN. FT.		1152	1152
DRIVING STEEL PILES	LIN. FT.		1152	1152
TEST PILES STEEL (8BP36)	EACH		4	4
NAME PLATES	EACH	1		1

CLASS X CONCRETE SHALL BE USED THROUGHOUT EXCEPT IN PRECAST BRIDGE SLABS.

ALL REINFORCEMENT BARS SHALL BE LAPPED 20 BAR DIAMETERS UNLESS OTHERWISE SHOWN.

THE COST OF REINF. PREMOULDED JOINT FILLER AND ACCESSORIES CAST INTO BEAMS AND BEARING PADS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PRECAST CONCRETE BRIDGE SLABS.

A LIFTING DEVICE FOR HANDLING OF PRECAST BEAMS SHALL BE DETAIL BY THE FABRICATOR OF PRECAST UNITS TO ACCOMMODATE THE WEIGHT OF THE UNITS, WITH A SAFETY FACTOR EQUAL TO 4.

THE CONTRACTOR SHALL DRIVE A STEEL TEST PILE IN A PERMANENT LOCATION AT EACH PIER & ABUTMENT AS REQUIRED TO DETERMINE DEPTH OF FOUNDATION REMAINING OF PILES.

THE COST OF CLASS X & B EXCAVATION FOR STRUCTURES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CU. YD. FOR CLASS X CONCRETE.

THE BODIES OF ABUTMENTS SHALL BE WATERPROOFED IN ACCORDANCE WITH ART. 51.21 OF THE STD SPEC. FROM TOP OF FOOTING TO GROUND.

THE STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, ADOPTED BY THE DEPT. OF PUBLIC WORKS & BUILDINGS JAN. 2, 1958 AND THE SUPPLEMENTAL SPECIFICATIONS EFFECTIVE JAN. 3, 1958 SHALL GOVERN THE CONSTRUCTION OF THIS WORK.

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Carl E. Thum
Engineer of Bridge & Traffic Structures

WINDING WATERS BRIDGE
SOMONAUK CREEK
PROJECT 3-67 BUILT 1968
SANDWICH RD. DIST.
DEKALB COUNTY
LOADING HS-20 ✓

LETTERING FOR NAME PLATE
ILL. STD. 2113-1

GENERAL PLAN & ELEVATION
STATION 42+95
PROJECT 3-67
SANDWICH ROAD DIST.
DEKALB COUNTY

DESIGNED BY:	D. E. HUFFMAN
CHECKED BY:	T. D. GAZDA
DRAWN BY:	R. RHODES
REVISED:	

S.W. KNETSCH
& ASSOCIATES, INC.
 CONSULTING ENGINEERS
 DEKALB COUNTY, GEORGIA



S.N. 019-5800

STATE OF ILLINOIS
CITY OF SANDWICH

EXISTING STRUCTURE PLANS
STRUCTURE NO. 019-6800

SHEET NO. 19 OF 19 SHEETS

M.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
899	21-00048-00-BR	DEKALB	47	32
PRATT RD. / SOMONAUK CRK.		CONTRACT NO. 87889		
ILLINOIS		FED. AID PROJECT		

MODEL: 19_Existing Structure Plans
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HAMPTON, LENZINI AND RENWICK, INC.
1707 N. RANDALL ROAD, SUITE 100
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

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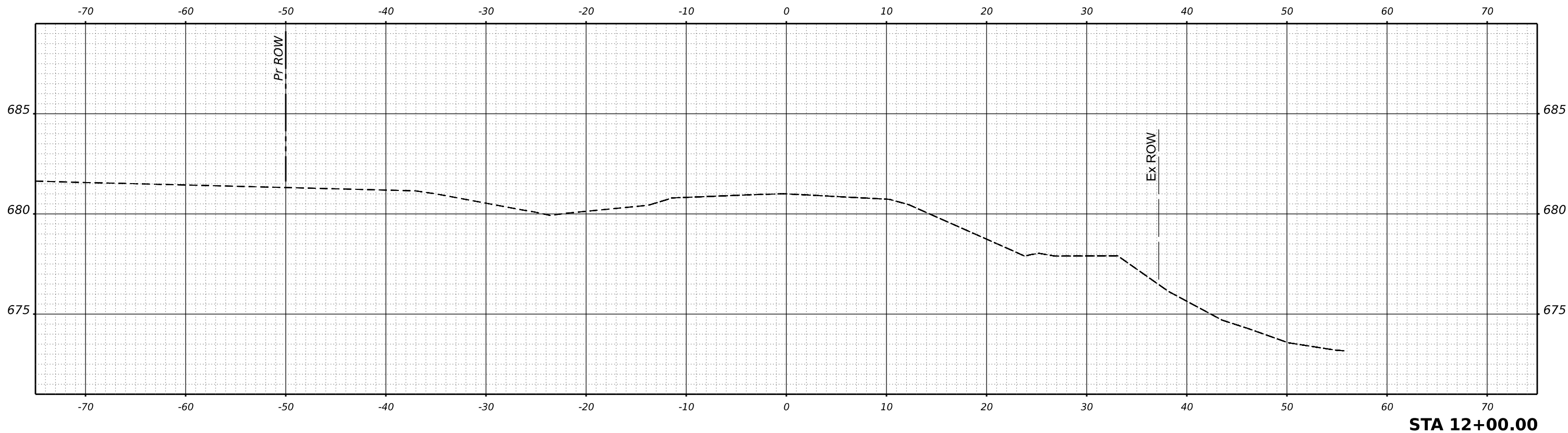
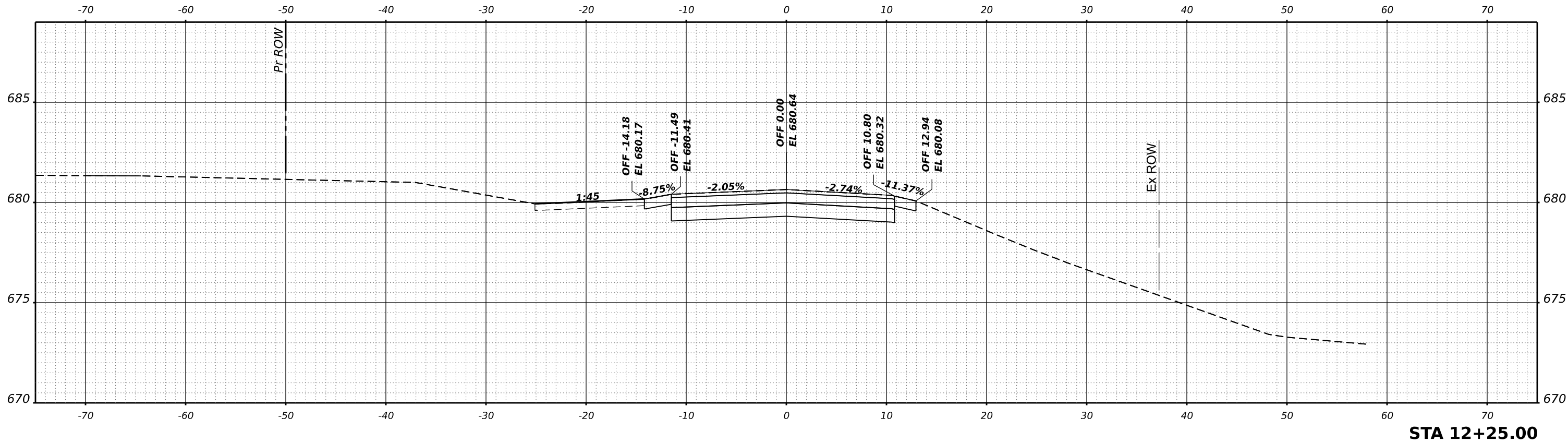
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REVISED	-
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REVISED	-

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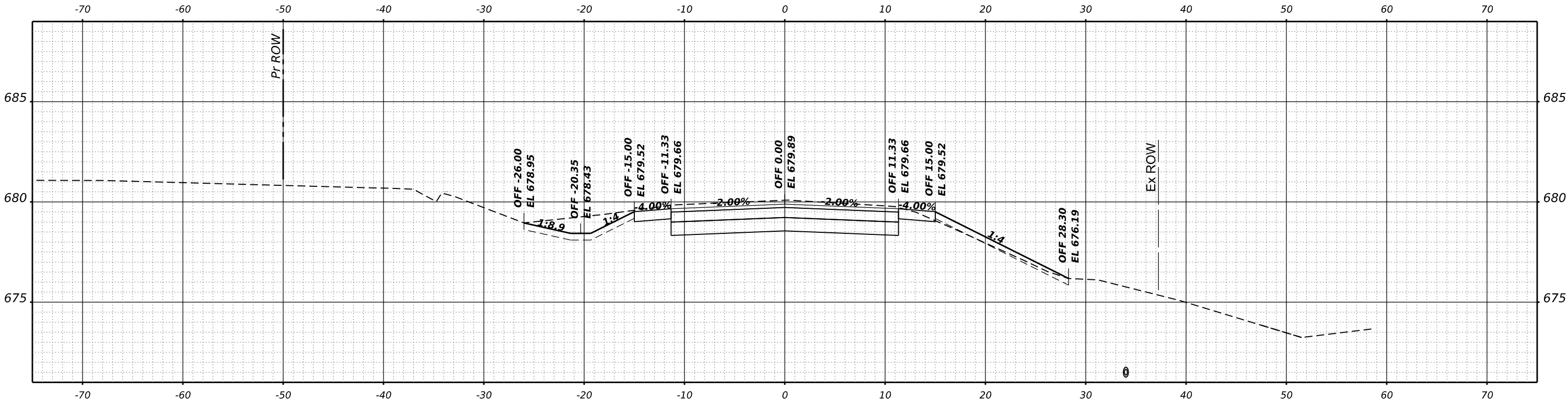
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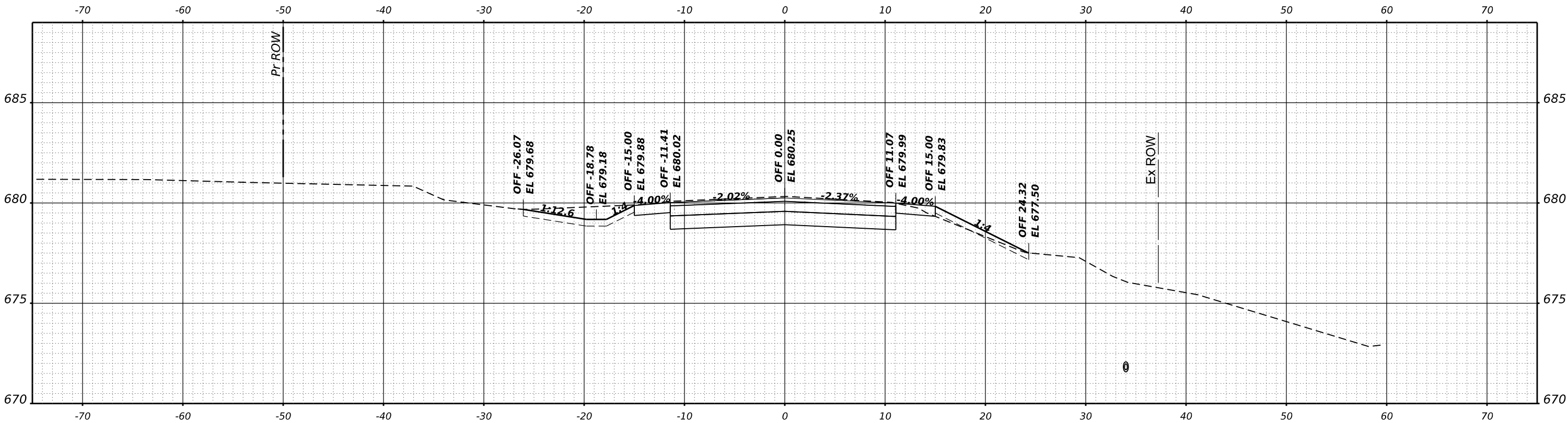
 HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184-000059	USER NAME = tstrange	DESIGNED - IPN	REVISED -	STATE OF ILLINOIS CITY OF SANDWICH	CROSS SECTIONS PRATT ROAD			C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -		SCALE: 1:5V, 1:10H	SHEET 1	OF 15 SHEETS	STA. 12+00.00 TO STA 12+25.00				

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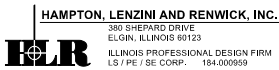
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STA 12+50.00

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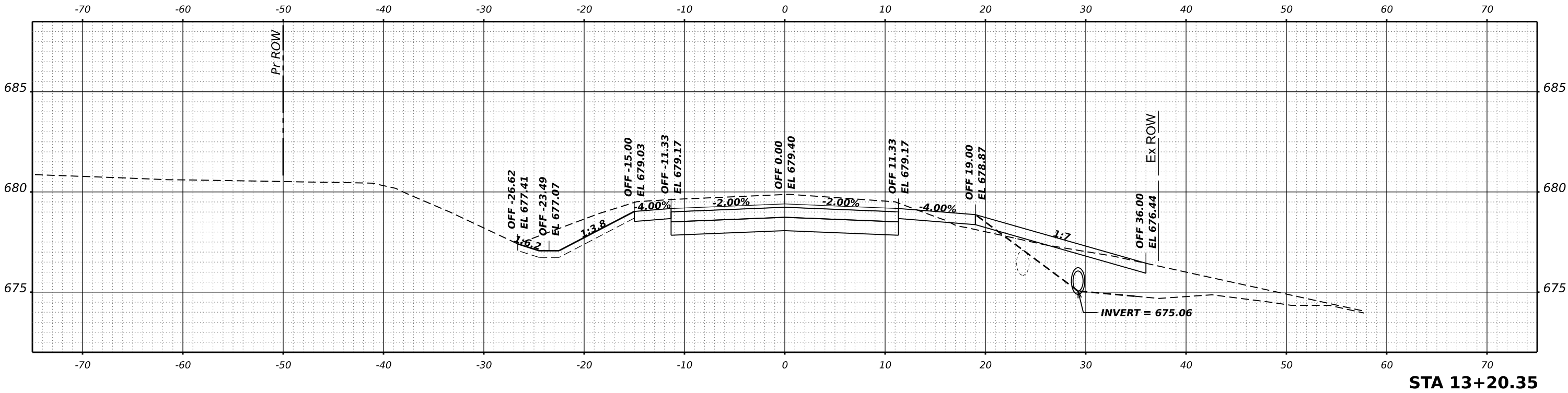
STATE OF ILLINOIS
CITY OF SANDWICH

CROSS SECTIONS
PRATT ROAD

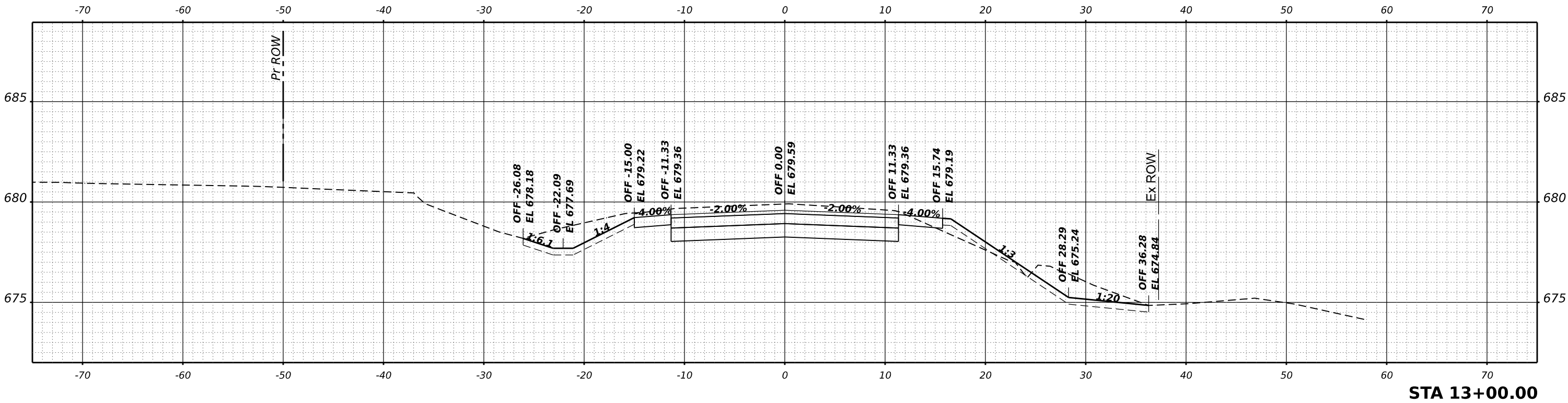
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ILLINOIS FED. AID PROJECT				

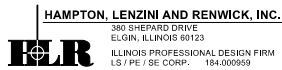
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	AREAS CHECKED _____		
NO. _____			



ORIGINAL SURVEY	SURVEYED _____		BY _____	DATE _____
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NO. _____	AREAS CHECKED _____			



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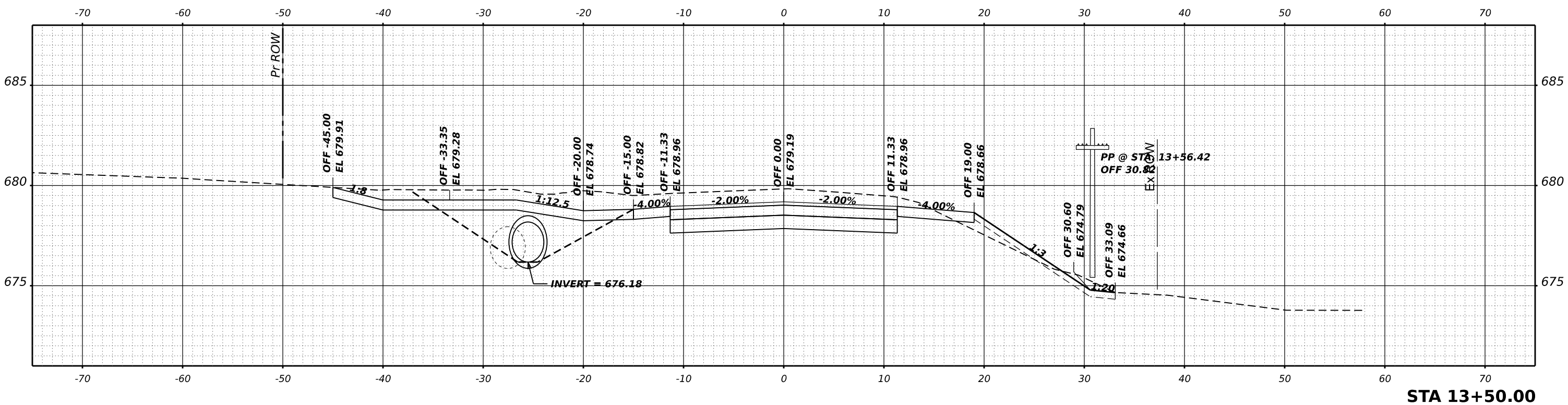
STATE OF ILLINOIS
CITY OF SANDWICH

CROSS SECTIONS
PRATT ROAD

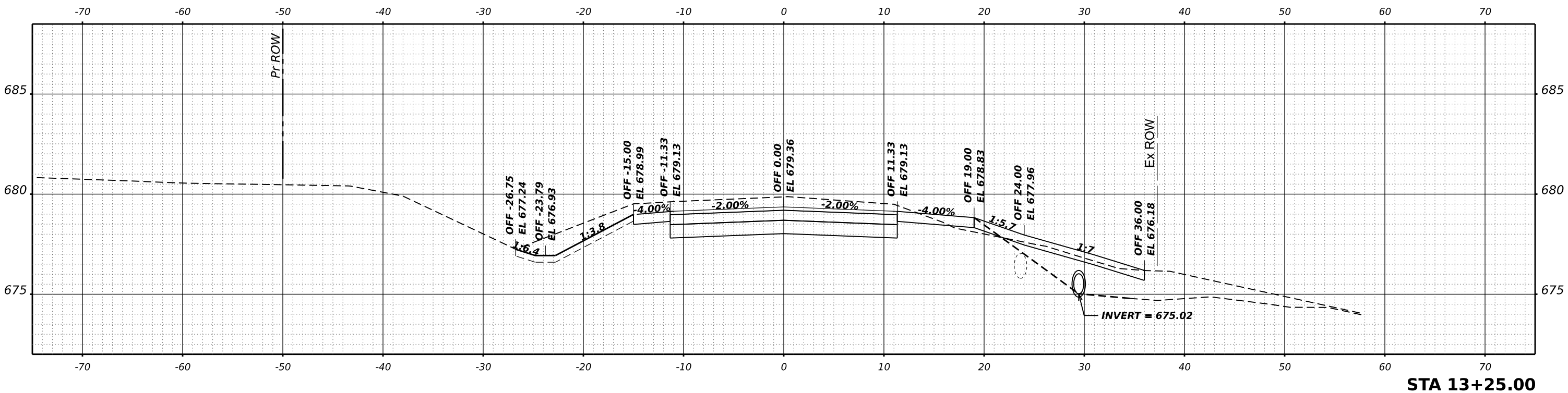
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C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				

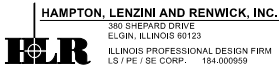
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NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		



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NOTE BOOK	TEMPLATE		
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STATE OF ILLINOIS
CITY OF SANDWICH

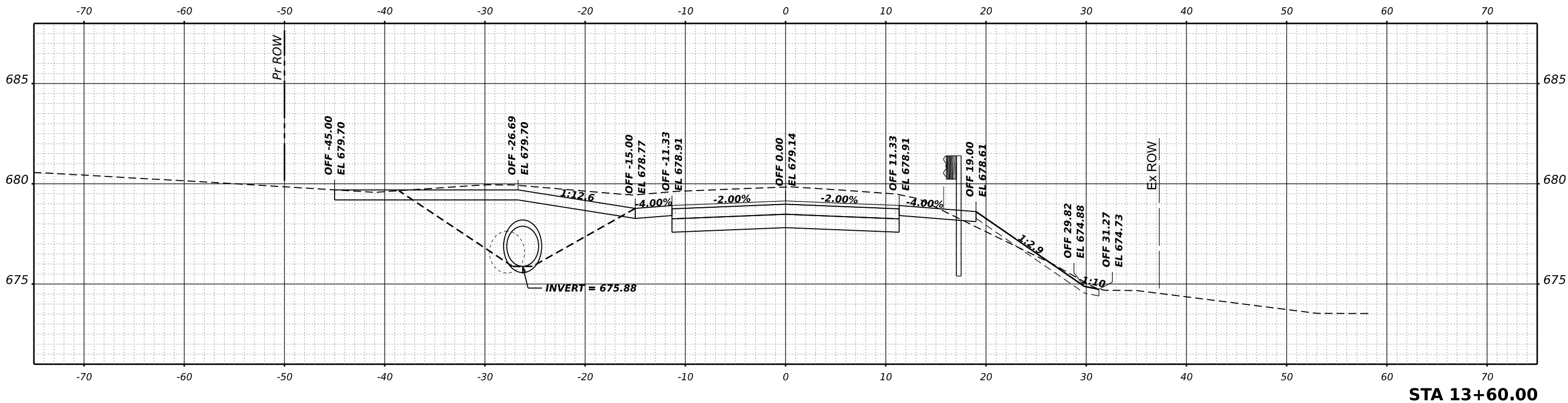
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C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				

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NOTE BOOK	SURVEYED				
	PLOTTED				
	TEMPLATE				
	AREAS				
NO.	AREAS CHECKED				

HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
HLR ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959



STATE OF ILLINOIS
CITY OF SANDWICH

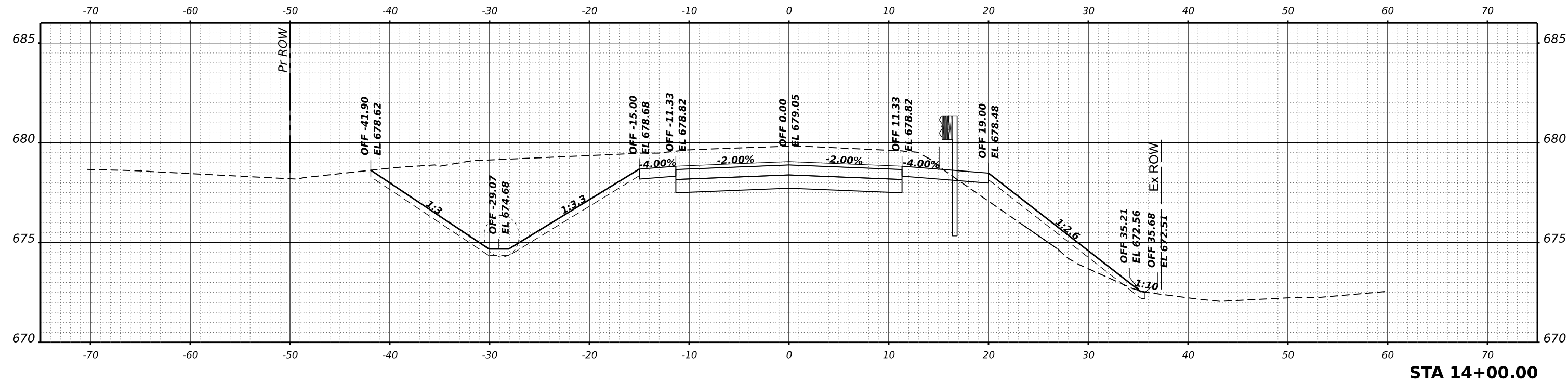
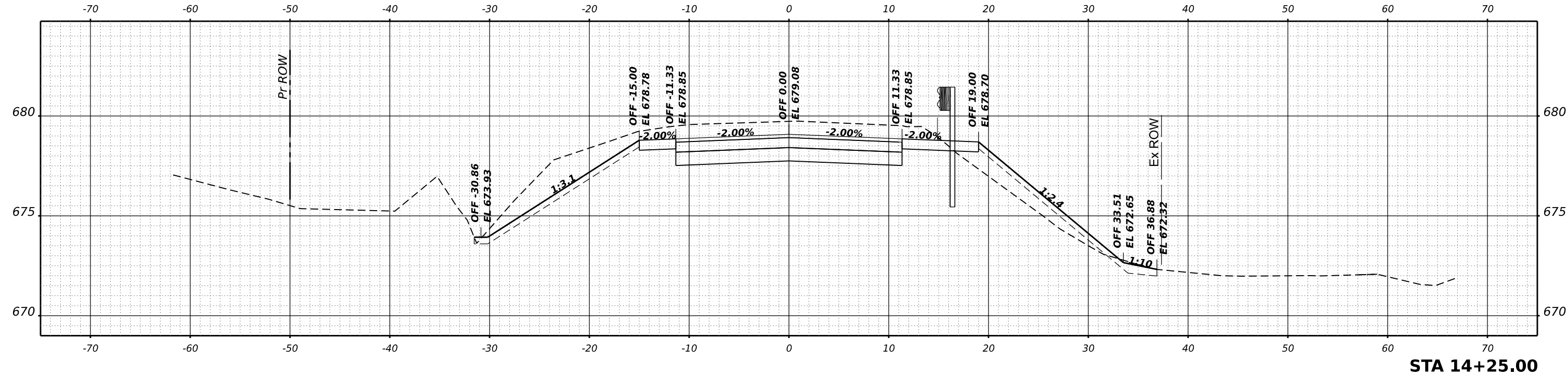
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C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	37
		CONTRACT NO. 87889		
ILLINOIS		FED. AID PROJECT		

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

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

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184-000959

USER NAME	= tstrange	DESIGNED	- IPN	REVISED	-
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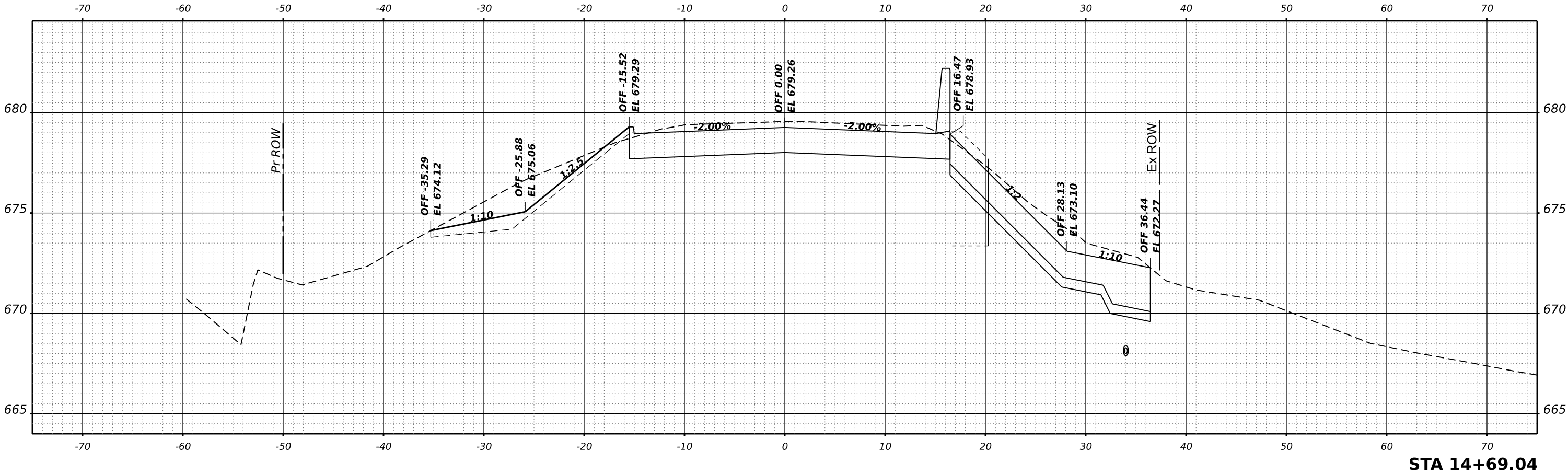
STATE OF ILLINOIS
CITY OF SANDWICH

CROSS SECTIONS
PRATT ROAD

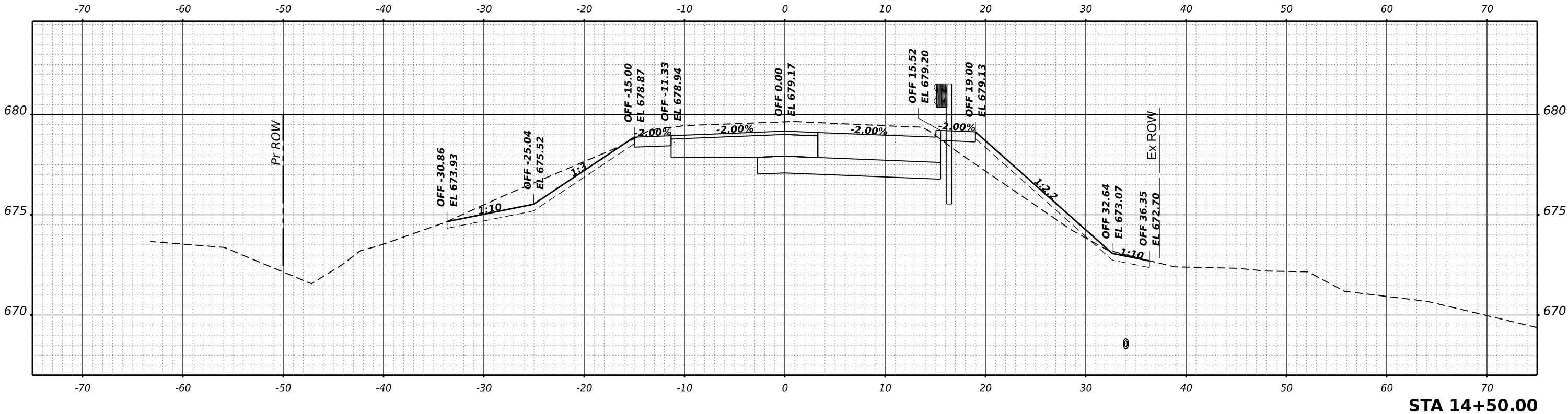
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C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	38
CONTRACT NO. 87889				
ILLINOIS FED. AID PROJECT				

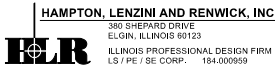
FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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USER NAME	= tstrange
PLOT SCALE	= 0.16666633' / in.
PLOT DATE	= 8/21/2025

DESIGNED	-	IPN
DRAWN	-	AC
CHECKED	-	IPN
DATE	-	

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
CITY OF SANDWICH

CROSS SECTIONS
PRATT ROAD

SCALE: 1:5V, 1:10H SHEET 7 OF 15 SHEETS STA. 14+50.00 TO STA 14+69.04

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	39
CONTRACT NO. 87889				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184-000959

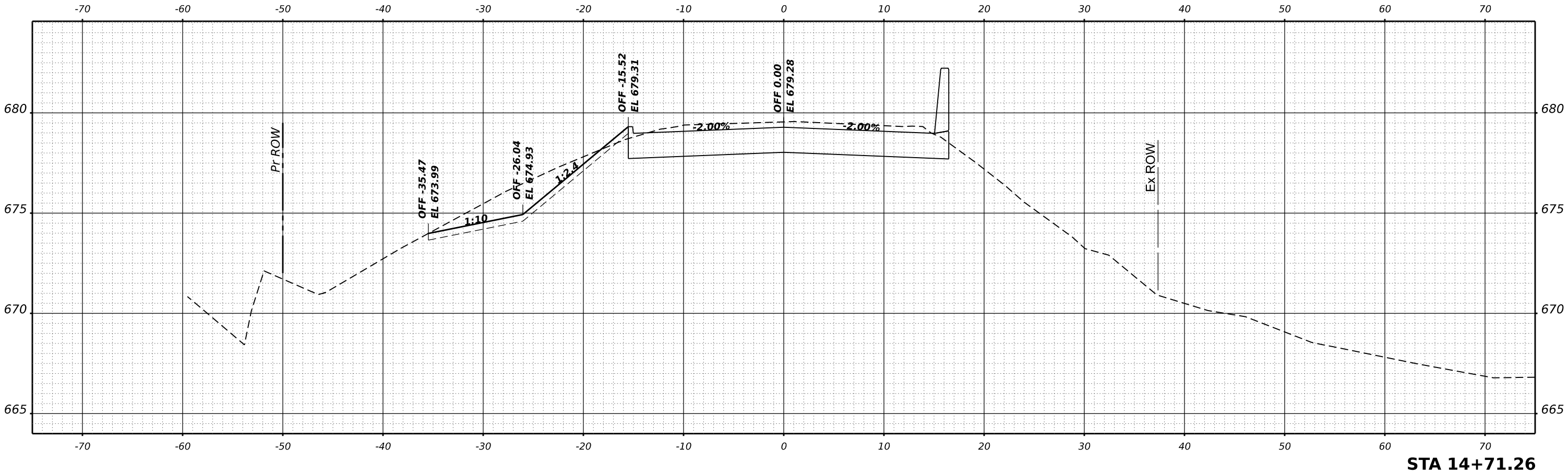
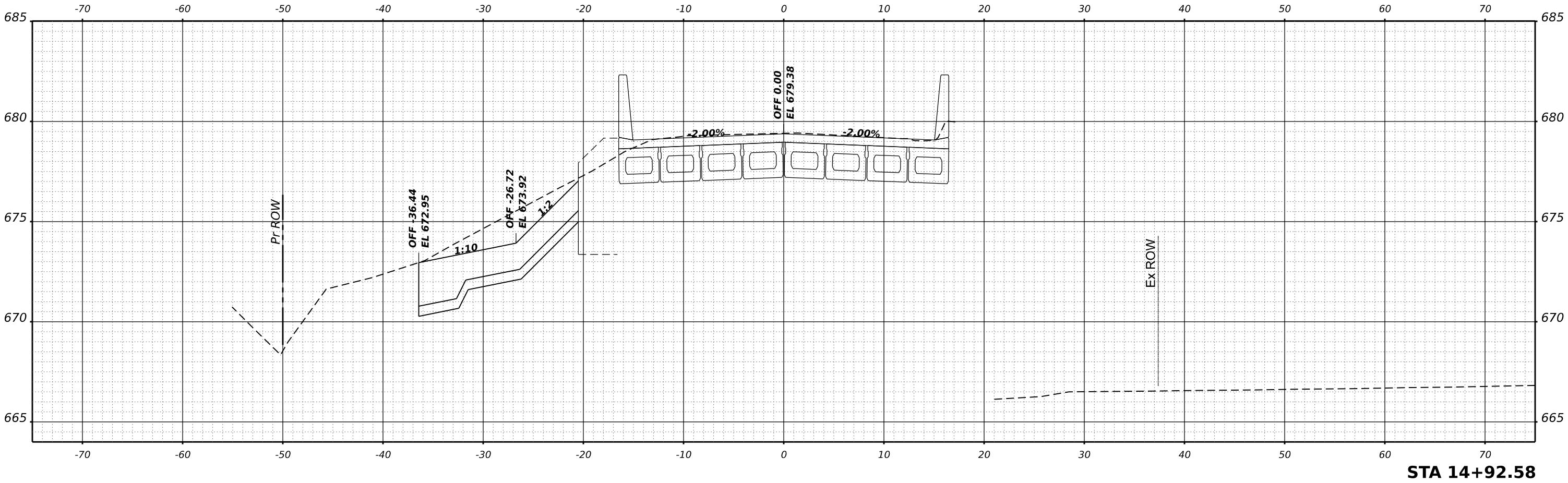
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PLOT DATE	= 8/21/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
CITY OF SANDWICH

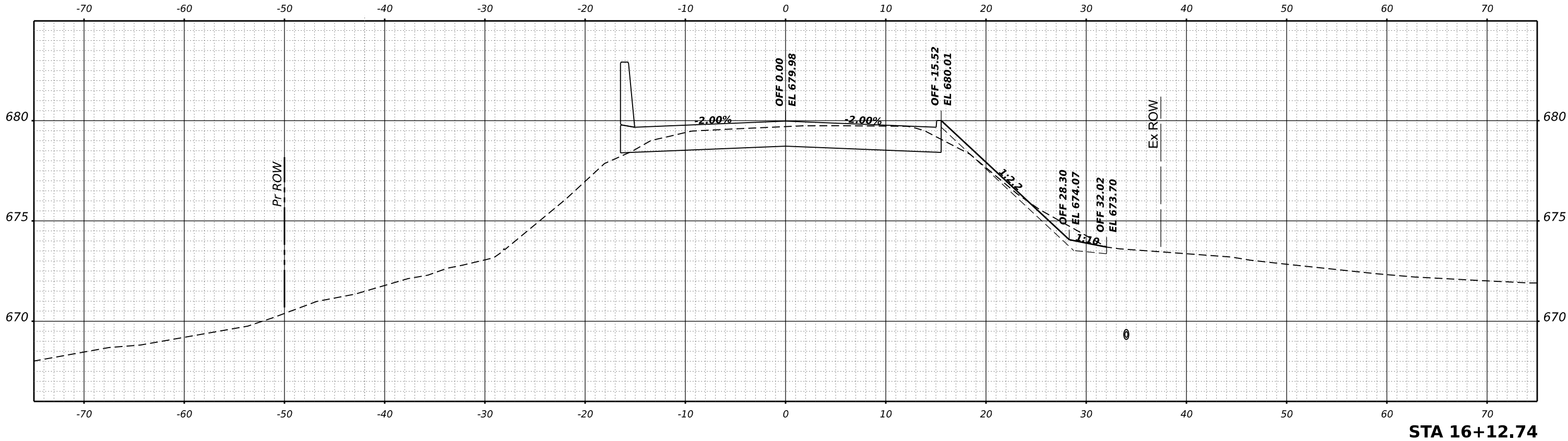
CROSS SECTIONS
PRATT ROAD

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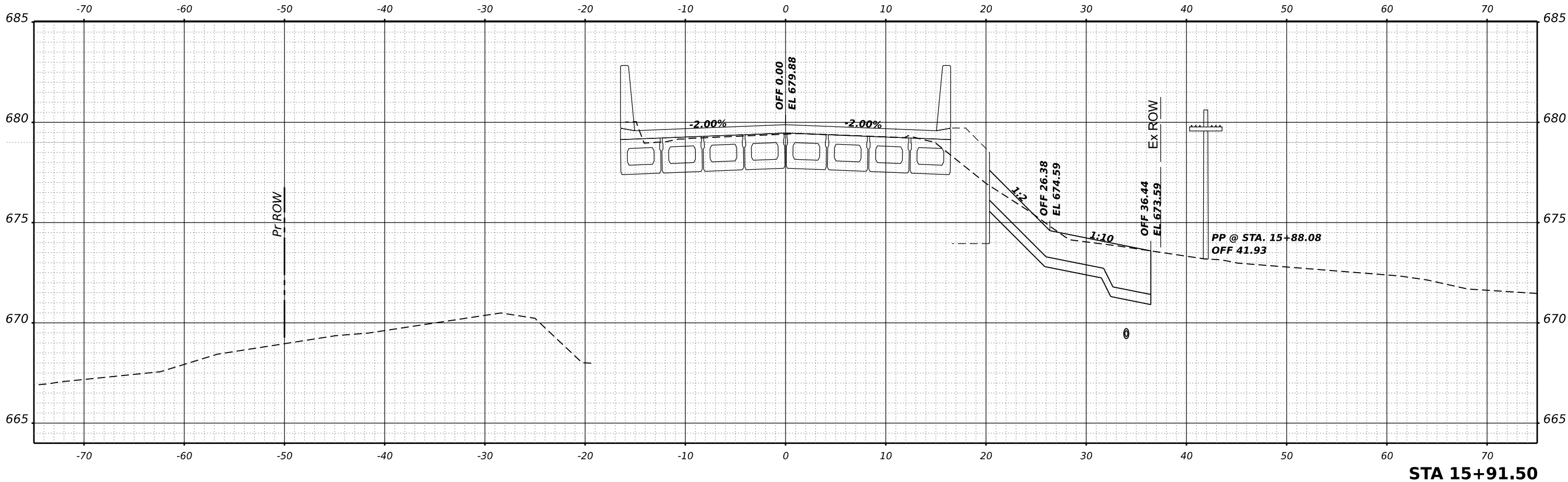
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0899	21-00048-00-BR	DEKALB	47	40
CONTRACT NO. 87889				
ILLINOIS			FED. AID PROJECT	



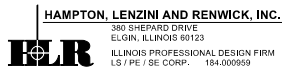
FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



MODEL: PrCLP-15+91.50 [Sheet]
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PLOT DATE	= 8/21/2025	DATE	-	REVISED	-

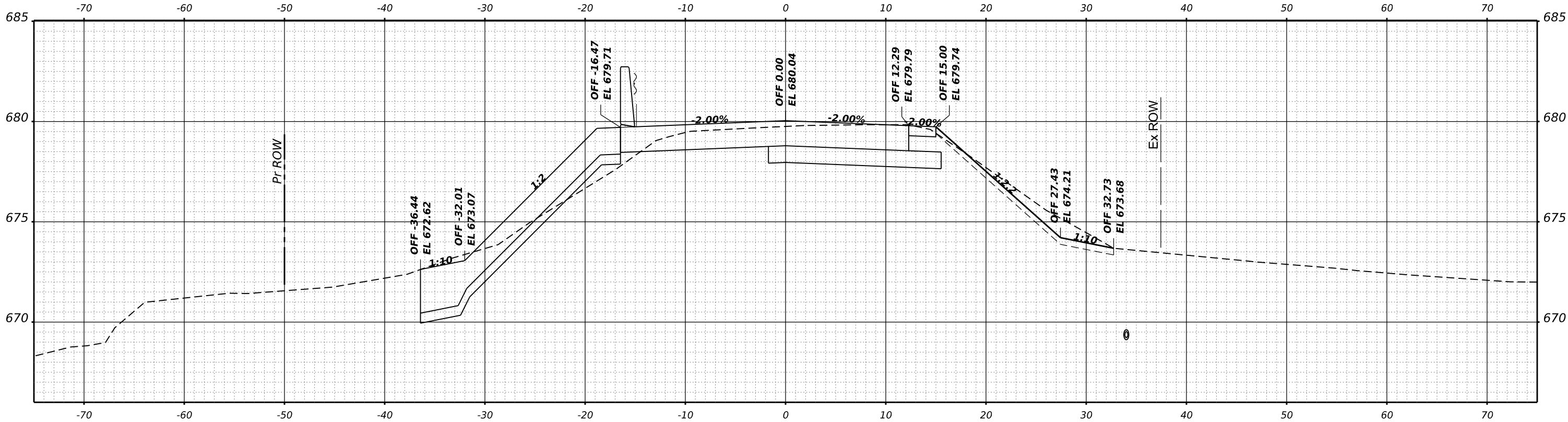
STATE OF ILLINOIS
CITY OF SANDWICH

CROSS SECTIONS
PRATT ROAD

SCALE: 1:5V, 1:10H SHEET 9 OF 15 SHEETS STA. 15+91.50 TO STA 16+12.74

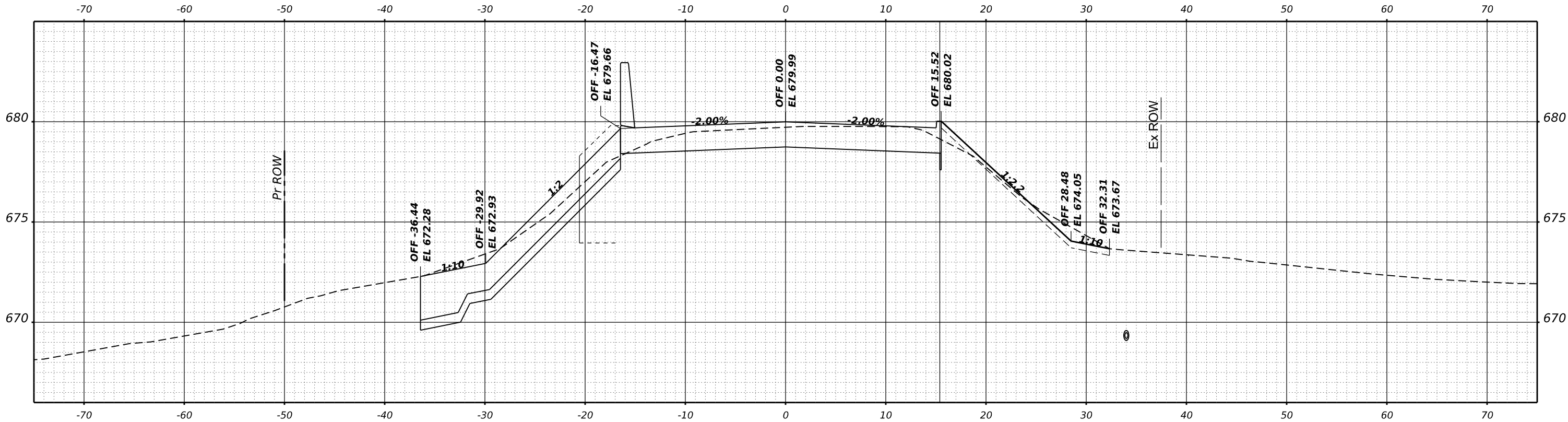
C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	41
CONTRACT NO. 87889				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



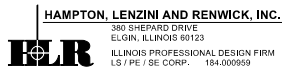
STA 16+25.00

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



STA 16+15.13

MODEL: PrCLP-16+15.13 [Sheet]
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PLOT DATE	= 8/21/2025	DATE	-		REVISED	-

STATE OF ILLINOIS
CITY OF SANDWICH

CROSS SECTIONS
PRATT ROAD

SCALE: 1:5V, 1:10H SHEET 10 OF 15 SHEETS STA. 16+15.13 TO STA 16+25.00

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	42
CONTRACT NO. 87889				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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HAMPTON, LENZINI AND RENWICK, INC.

380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123

ILLINOIS PROFESSIONAL DESIGN FIRM
1/5 / PE / SE CORP. 184-000999

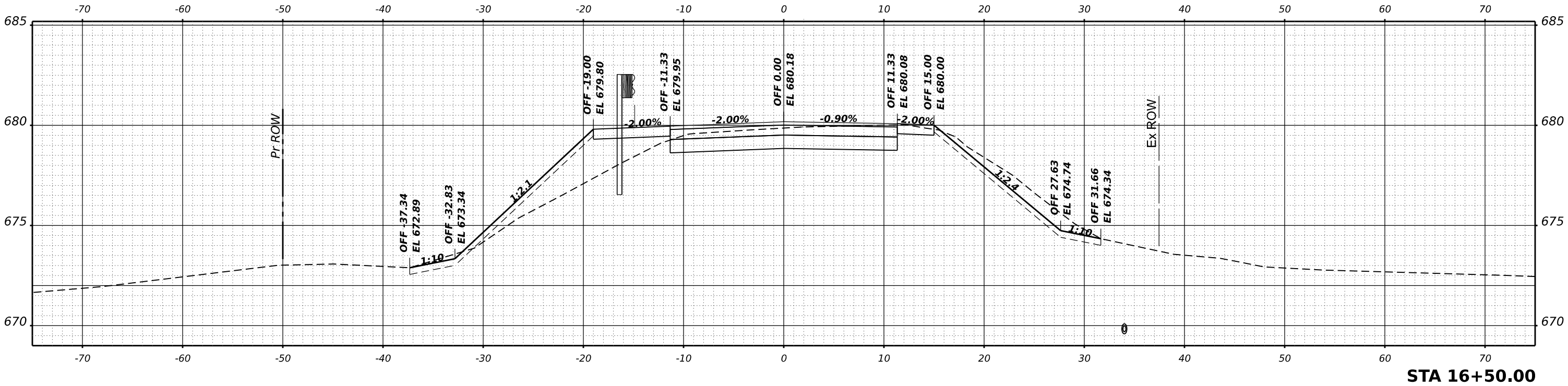
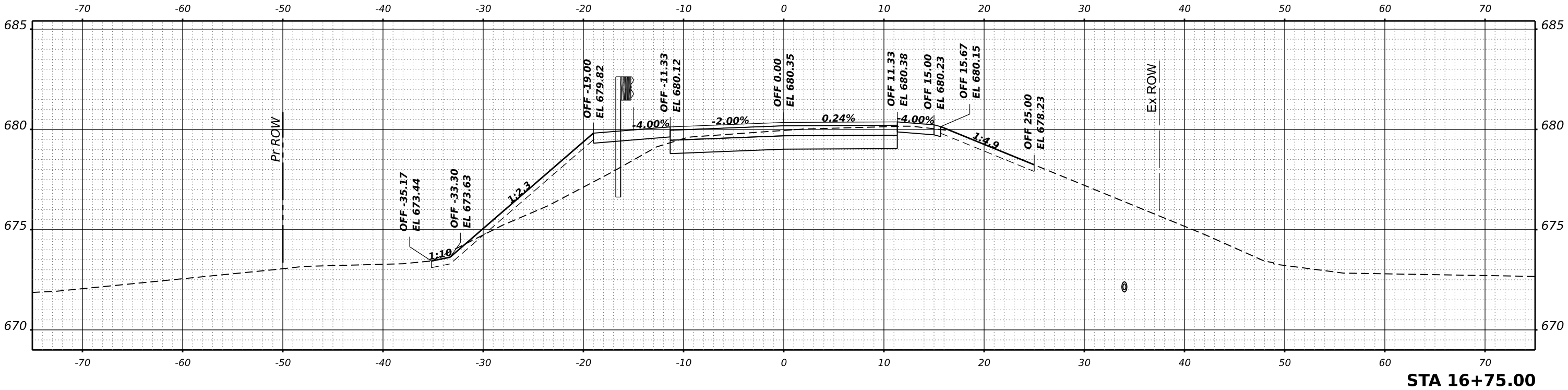
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STATE OF ILLINOIS
CITY OF SANDWICH

CROSS SECTIONS
PRATT ROAD

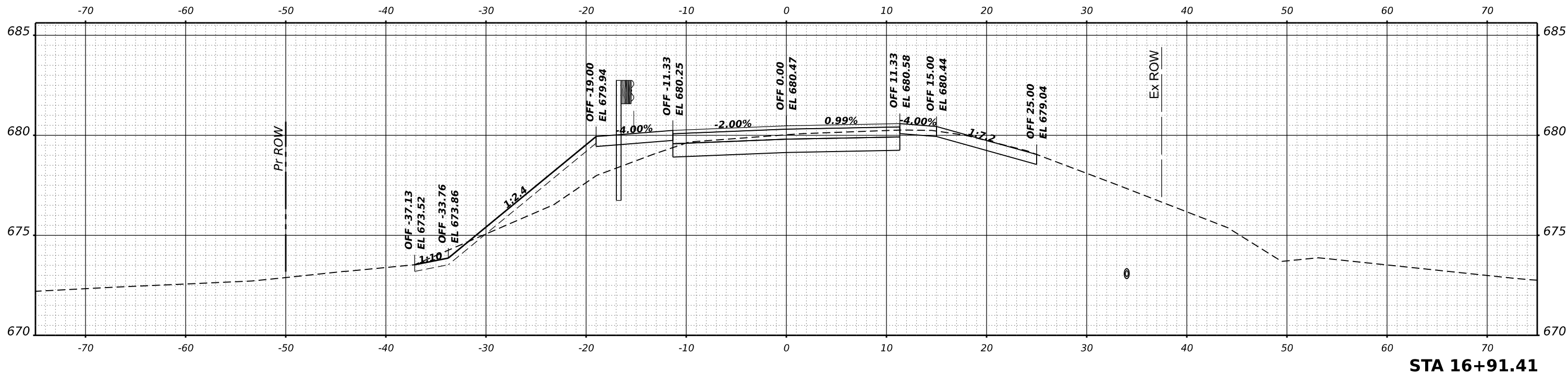
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C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	43
CONTRACT NO. 87889				
ILLINOIS FED. AID PROJECT				



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

HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
HLR ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959



C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	44
		CONTRACT NO. 87889		
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: PrCLP-17+25.00 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC.

380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123

ILLINOIS PROFESSIONAL DESIGN FIRM
1/3 / PE / SE CORP. 184-000999

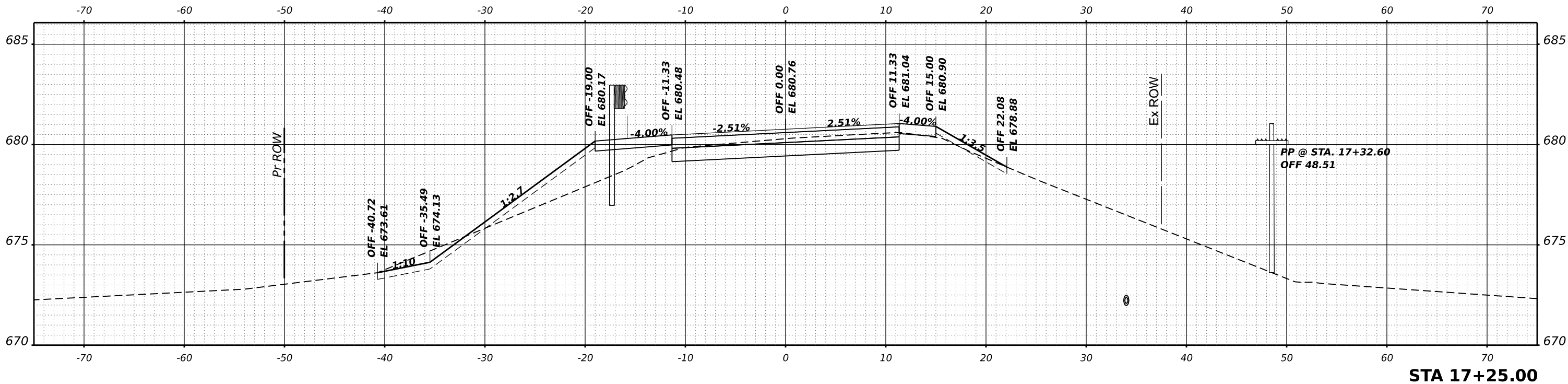
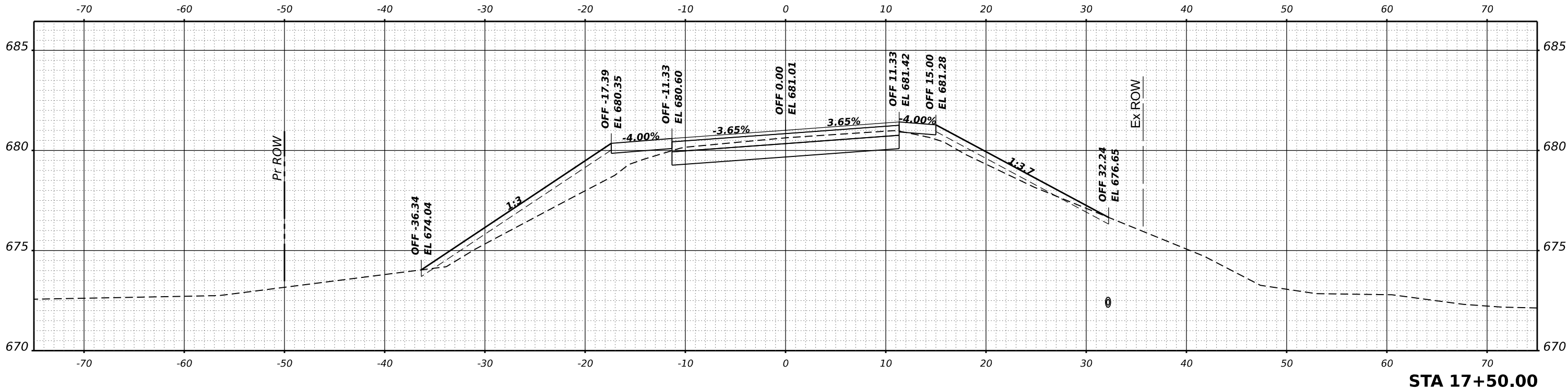
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PLOT DATE	= 8/21/2025	DATE	-		REVISED	-

STATE OF ILLINOIS
CITY OF SANDWICH

CROSS SECTIONS
PRATT ROAD

SCALE: 1:5V, 1:10H SHEET 13 OF 15 SHEETS STA. 17+25.00 TO STA 17+50.00

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	45
CONTRACT NO. 87889				
ILLINOIS FED. AID PROJECT				



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

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

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HAMPTON, LENZENI AND RENWICK, INC.

380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123

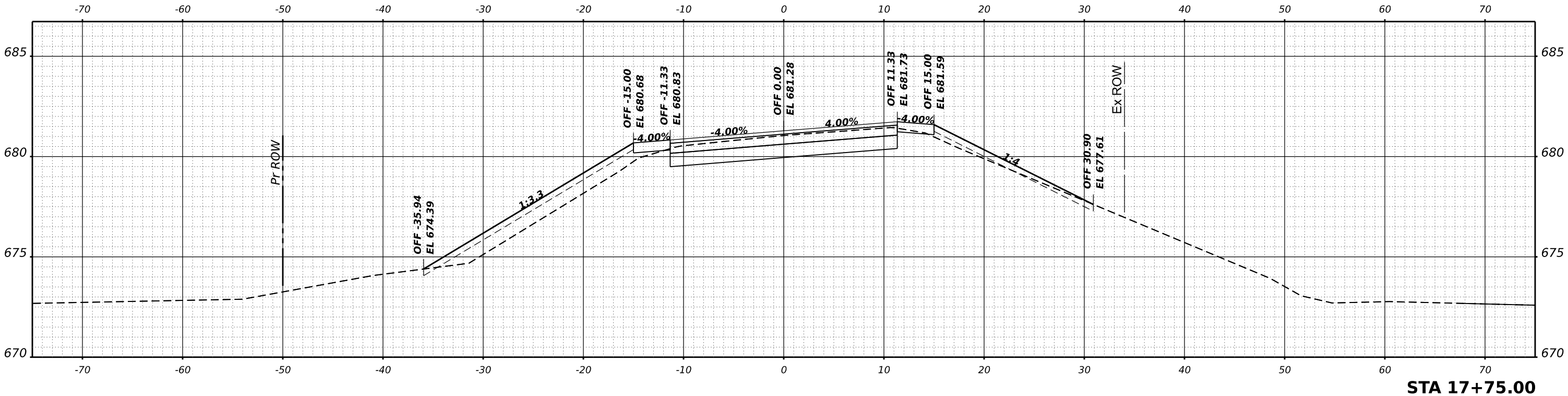
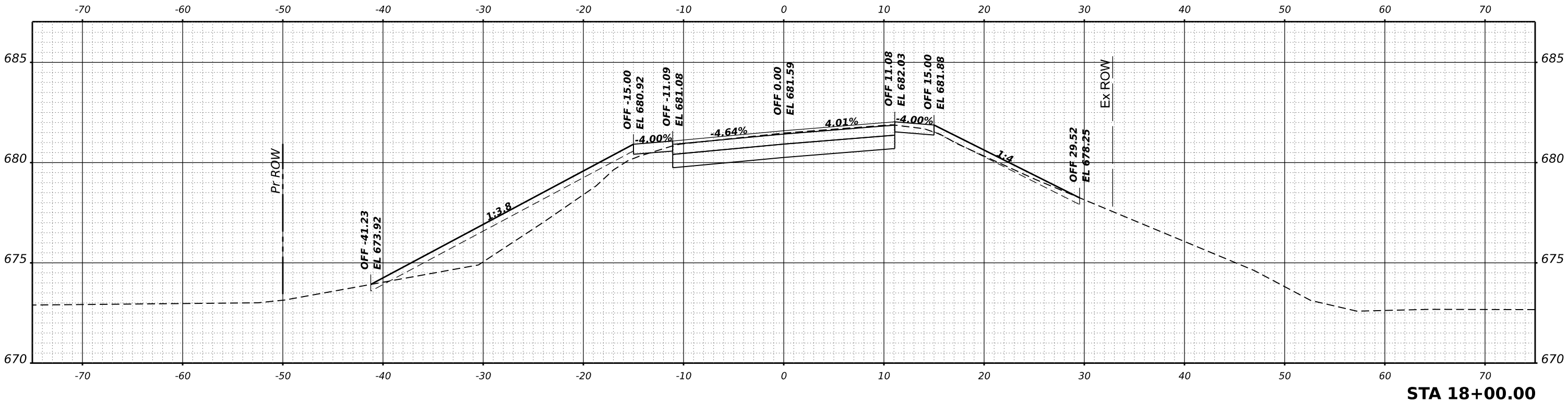
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184-000959

USER NAME	= tstrange	DESIGNED	-	IPN	REVISED	-
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PLOT DATE	= 8/21/2025	DATE	-		REVISED	-

STATE OF ILLINOIS
CITY OF SANDWICH

CROSS SECTIONS PRATT ROAD			
SCALE: 1:5V, 1:10H	SHEET 14	OF 15 SHEETS	STA. 17+75.00 TO STA 18+00.00

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	46
CONTRACT NO. 87889				
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: PrCLP-18+25.00 [Sheet]
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HAMPTON, LENZINI AND RENWICK, INC.

380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123

ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184-000959

USER NAME	= tstrange	DESIGNED	- IPN	REVISED	-
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PLOT SCALE	= 0.16666633' / in.	CHECKED	- IPN	REVISED	-
PLOT DATE	= 8/21/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
CITY OF SANDWICH

CROSS SECTIONS PRATT ROAD			
SCALE: 1:5V, 1:10H	SHEET 15	OF 15 SHEETS	STA. 18+25.00 TO STA 18+50.00

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0899	21-00048-00-BR	DEKALB	47	47
CONTRACT NO. 87889				
		ILLINOIS	FED. AID PROJECT	

