

INDEX OF SHEETS

09-19-2025 LETTING ITEM 086

SHEET NO.	DESCRIPTION
1	COVER
2	GENERAL NOTES AND DETAIL
3-7	SUMMARY OF QUANTITIES
8-9	SCHEDULES OF QUANTITIES
10	TYPICAL SECTIONS
11-15	DOUBLE ROADWAY PLANS
16-27	INTERSECTION REALIGNMENT PLANS
28-30	CULVERT PLANS
31-39	STRUCTURE PLANS

HIGHWAY STANDARDS

000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 001006 DECIMAL OF AN INCH AND OF A FOOT
 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
 515001-04 NAME PLATE FOR BRIDGES
 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
 606101-05 TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
 630001-13 STEEL PLATE BEAM GUARDRAIL

630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
 631032-10 TRAFFIC BARRIER TERMINAL, TYPE 6A
 642006-01 SHOULDER RUMBLE STRIPS, 8 IN
 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15 FT TO 24 IN FROM PAVEMENT EDGE
 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS 45 MPH OR MORE
 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS 45 MPH OR MORE
 701901-10 TRAFFIC CONTROL DEVICES
 720006-04 SIGN PANEL ERECTION DETAILS
 725001-01 OBJECT AND TERMINAL MARKERS
 728001-01 TELESCOPING STEEL SIGN SUPPORT
 780001-05 TYPICAL PAVEMENT MARKINGS
 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
 BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

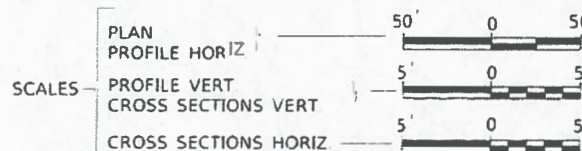
UTILITY COMPANIES

DIG# A242060805
 AMEREN ILLINOIS
 COLLINSVILLE, ILLINOIS
 FRONTIER COMMUNICATIONS
 JACKSONVILLE, ILLINOIS
 CITY OF DUQUOIN
 DUQUOIN, ILLINOIS
 CLEARWAVE COMMUNICATIONS
 ELDORADO, ILLINOIS

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

CONTRACT NO. 99749

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED LOCAL BRIDGE FORMULA PROGRAM, HIGHWAYS SAFETY IMPROVEMENT PROGRAM PERRY COUNTY SECTION 19-00147-00-BR F.A.S. 1824 (CH 27) OVER SIXMILE CREEK PROJECT NO. N425(927) JOB NUMBER C-99-076-19



SECTION 19-00147-00-BR
 ON WELLS STREET
 BEGINS
 STATION 0+00.00

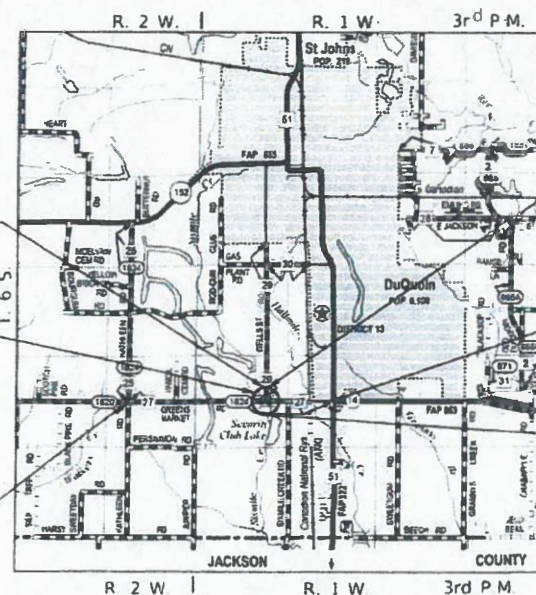
SECTION 19-00147-00-BR
 ON WELLS STREET
 ENDS
 STATION 13+00.00

SECTION 19-00147-00-BR
 ON F.A.S. 1824
 ENDS
 STATION 227+84.00

PROPOSED STRUCTURE SN 073-3198
 SINGLE SPAN 33" PPC DECK BEAM SUPERSTRUCTURE
 ON CONCRETE SPILL-THRU ABUTMENTS.
 83' 0" BK TO BK. AND 36'-0" O TO O DECK.
 SKEWED 45° RT. AHEAD.

SECTION 19-00147-00-BR
 ON F.A.S. 1824
 BEGINS
 STATION 107+90.00

EXISTING STRUCTURE SN 073-3027
 SINGLE SPAN PRECAST REINFORCED CHANNEL
 BEAM SUPERSTRUCTURE ON CLOSED ABUTMENTS
 WITH TIMBER PILES. 30'-0" BK TO BK.
 AND 26'-4" O TO O DECK. SKEWED 40° RT. AHEAD.



LOCATION MAP

1 MI 0 1 MI

APPROXIMATE SCALE

NET LENGTH OF PROJECT = 13,294.00 FEET = 2.518 MILES

DESIGN CLASSIFICATION: COLLECTOR (NON-URBAN)
 DESIGN ADT = 1,049 (2045)
 DESIGN SPEED = 40



Hutchison
 Engineering, Inc.

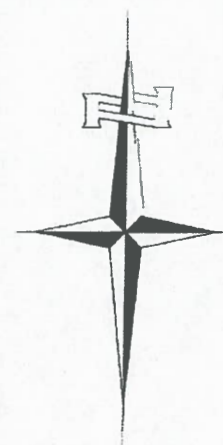
2025

JOB#4962

F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	1
CONTRACT NO. 99749				
ILLINOIS FED AID PROJECT NO. N425(927)				



LOCATION OF SECTION INDICATED THUS: —



APPROVED February 27, 2025

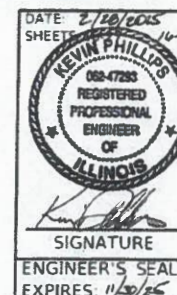
PERRY COUNTY ENGINEER

PASSED March 31, 2025

DISTRICT FIVE ENGINEER OF
 LOCAL ROADS & STREETS

Released For
 Bid Based on
 Limited Review March 31, 2025

REGION FIVE ENGINEER
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



GENERAL NOTES

1.

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE COUNTY AND THE INDICATED ADJUSTMENTS OR RECONSTRUCTION ARE CONSIDERED TO BE REASONABLY ACCURATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE COUNTY, ITS OFFICERS, AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLE 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF DOING SO SHALL BE INCLUDED WITH THE COST OF THE CONTRACT.
3.

WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
4.

WHEREVER IN THESE PLANS REFERENCE IS MADE TO THE "STANDARD SPECIFICATIONS", IT IS UNDERSTOOD TO INCLUDE THE "SUPPLEMENTAL SPECIFICATIONS" INCLUDED IN THE PROPOSAL.
5.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.
6.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO THE LUMP SUM PAY ITEMS.
7.

THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 (TEN) DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES AS REGARDS TO THEIR FACILITIES.
8.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL J.U.L.I.E. AT 1-800-892-0123 or 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, GAS FACILITIES, AND ALL PUBLIC UTILITIES. A 48 HOUR NOTIFICATION IS REQUIRED.
9.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY OWNERS AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.
10.

DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SO AFFECTED SHALL BE FREE FROM ALL DEBRIS. THIS WORK SHALL BE INCLUDED WITH THE COST OF THE CONTRACT.
11.

TRAFFIC SIGNS TEMPORARILY REMOVED MUST BE RESET AT THEIR PERMANENT LOCATIONS IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC ON THE ROADWAY OR RETURNED TO THE CITY AS DIRECTED BY THE ENGINEER. ALL SIGNS TO REMAIN SHALL BE RESET BEFORE THE ROADWAY IS OPEN TO TRAFFIC. COST OF SUCH WORK SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL.
12.

ALL PROPOSED PAVEMENT WIDTHS ARE MEASURED EDGE TO EDGE OF PAVEMENT UNLESS OTHERWISE SHOWN ON THE PLANS.
13.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO REFER TO THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AS SHOWN ON THE TABULATION OF REQUIRED STANDARDS SHOWN IN THE PLANS.
14.

VERIFICATION OF DIMENSIONS : IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
15.

ALL EXISTING PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY THE UTILITY ADJUSTMENTS.
16.

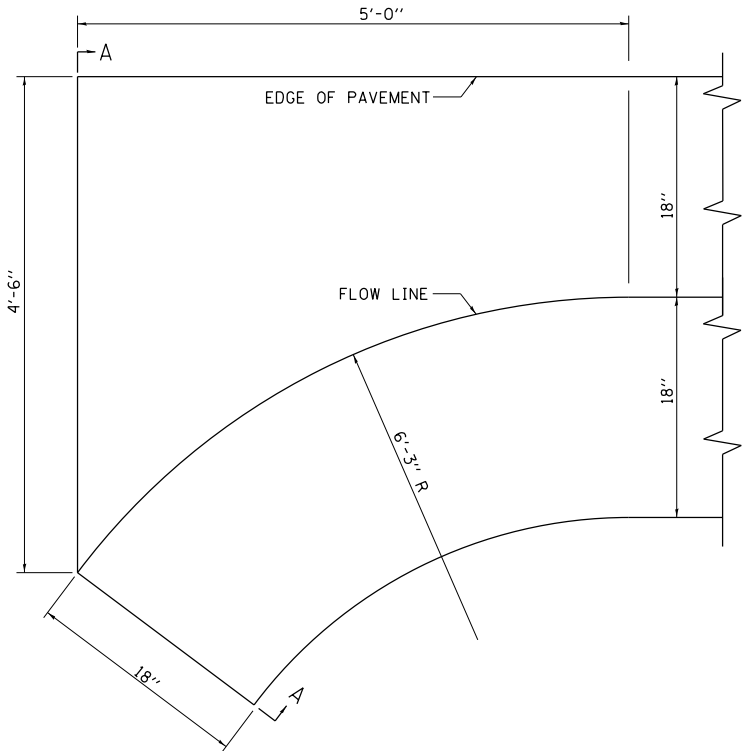
PERMISSION TO USE PERRY COUNTY UNIT ROAD DISTRICT ROADS FOR ANY CONSTRUCTION HAULING SUCH AS, BUT NOT LIMITED TO, FURNISHED EXCAVATION, REMOVALS, ETC. SHALL BE OBTAINED BY THE CONTRACTOR FROM THE UNIT ROAD DISTRICT PRIOR TO BIDDING. PLEASE CONTACT UNIT ROAD DISTRICT COMMISSIONER BRIAN OTTEN AT 618-357-6556.
17.

ALL DISPOSAL LOCATIONS SHALL BE COORDINATED WITH THE UNIT ROAD DISTRICT COMMISSIONER BRIAN OTTEN AT 618-357-6556 PRIOR TO BIDDING.

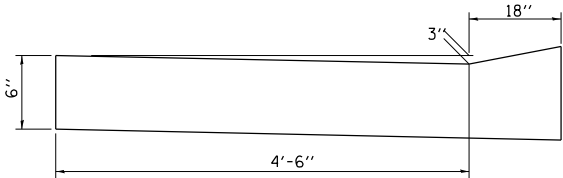
COMMITMENTS

1.

THE WEST ROADSIDE DITCH ALONG THE ABANDONED WELLS STREET ROAD IN FRONT OF THE DAVE OESTREICHER PROPERTY SHALL BE FILLED IN FLUSH WITH THE YARD AND SEEDED.



PLAN



SECTION A-A

NOTE: CONCRETE GUTTER OUTLETS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONCRETE GUTTER

DETAIL OF OUTLET FOR CONCRETE GUTTER, TYPE A

HMA MIX DESIGN TABLE

MIXTURE USE(S):	SURFACE	BINDER	SHOULDERS	INCIDENTAL
AC/PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4% @ NDES=70	4% @ NDES=70	4% @ NDES=50	4% @ NDES=50
MIXTURE COMP (GRADATION)	IL-9.5	IL-19.0	IL-9.5	IL-9.5
FRICTION				
AGGREGATE	MIX "C"	N/A	N/A	N/A
MIXTURE WEIGHT	112	112	112	112
QUALITY MANAGE- MENT PROGRAM	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A	N/A	N/A
MATERIAL TRANSFER DEVICE (REQUIRED?)	N/A	N/A	N/A	N/A

MODEL: SHOMODELNAME3
FILE: N001E_V1-1902 - Greens Market Rd Shoulders - HSP (Perry)/CADD/CADD Sheets/4962-sh-HomNote001.dgn
2025



Hutchison
Engineering, Inc.
JOB# 4962

USER NAME = CBurke	DESIGNED - REH	REVISED -
	DRAWN - REH	REVISED -
PLOT SCALE = 10,0000 ' / In.	CHECKED - CMB	REVISED -
PLOT DATE = 6/17/2025	DATE - 01/2025	REVISED -

PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD AND WELLS STREET
GENERAL NOTES AND DETAIL

SCALE: N/A SHEET 1 OF 1 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	2	39
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT N425(927)				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PERRY COUNTY	
				HSIP	TBP
				SAFETY	BRIDGE
				0021	0010
				RURAL	S.N. 073-3198
20100500	TREE REMOVAL, ACRES	ACRE	1.25	1.25	
20200100	EARTH EXCAVATION	CU YD	2605		2605
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	211	211	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	13		13
20300100	CHANNEL EXCAVATION	CU YD	760		760
20400800	FURNISHED EXCAVATION	CU YD	8789		8789
20700220	POROUS GRANULAR EMBANKMENT	CU YD	90		90
20800150	TRENCH BACKFILL	CU YD	43	43	
21400100	GRADING AND SHAPING DITCHES	FOOT	5563	5563	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1025	1025	
28000305	TEMPORARY DITCH CHECKS	FOOT	800	800	
28000400	PERIMETER EROSION BARRIER	FOOT	5000	5000	
28000500	INLET AND PIPE PROTECTION	EACH	35	35	
28100207	STONE RIPRAP, CLASS A4	TON	330		330

* SEE SPECIAL PROVISIONS

+ SPECIALTY ITEM

MODEL: 11/01/2025
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Hutchison
Engineering, Inc.

USER NAME = CBurke
PLOT SCALE = 10,0000' / in.
PLOT DATE = 6/17/2025

DESIGNED - REH
DRAWN - REH
CHECKED - CMB
DATE - 01/2025

REVISED -
REVISED -
REVISED -
REVISED -

PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD AND WELLS STREET
SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 5 SHEETS

F.A.S.
RTE.

1824

SECTION

19-00147-00-BR

COUNTY

PERRY

TOTAL

39

SHEET

3

CONTRACT NO. 99749

ILLINOIS FED. AID PROJECT 1425(927)

MODEL: ANODE.NAMK
FILE NAME: V-4962 - Greens Market Rd Shoulders - HSP (Perry)CADDED Sheet4962-sh-50002.dgn
2025



Hutchison
Engineering, Inc.

USER NAME = CBurke
PLOT SCALE = 10.0000' / in.
PLOT DATE = 6/17/2025

DESIGNED - REH
DRAWN - REH
CHECKED - CMB
DATE - 01/2025

REVISED -
REVISED -
REVISED -
REVISED -

**PERRY COUNTY
HIGHWAY DEPARTMENT**

**GREENS MARKET ROAD AND WELLS STREET
SUMMARY OF QUANTITIES**

SCALE: N/A SHEET 2 OF 5 SHEETS

F.A.S.
RTE.
1824

SECTION
19-00147-00-BR

COUNTY
PERRY

TOTAL
SHEETS 39
SHEET NO. 4
CONTRACT NO. 99749

ILLINOIS FED. AID PROJECT N425(927)

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PERRY COUNTY	
				HSIP	TBP
				SAFETY	BRIDGE
				0021 RURAL	0010 S.N. 073-3198
28200200	FILTER FABRIC	SQ YD	490		490
35100900	AGGREGATE BASE COURSE, TYPE A 10"	SQ YD	6570	6570	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	188	188	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	14783	14783	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1503	1503	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	2486	2486	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1170	1170	
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	749	749	
* 40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	43	43	
44000100	PAVEMENT REMOVAL	SQ YD	4740		4740
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	286		286
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	6071	6071	
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	5734	5734	
* 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1

* SEE SPECIAL PROVISIONS

+ SPECIALTY ITEM

MODEL: \$MODELNAME\$
FILE NAME: V:\4962 - Greens Market Rd Shoulders - HSIP (Perry)\CADD Sheets\4962-HHS-0005.dgn
2025



Hutchison
Engineering, Inc.

USER NAME	= CBurke	DESIGNED	-	REH	REVISED	-
		DRAWN	-	REH	REVISED	-
PLOT SCALE	= 10.0000" = 1 in.	CHECKED	-	CMB	REVISED	-
PLOT DATE	= 6/17/2025	DATE	-	01/2025	REVISED	-

**PERRY COUNTY
HIGHWAY DEPARTMENT**

**GREENS MARKET ROAD AND WELLS STREET
SUMMARY OF QUANTITIES**

SCALE: N/A SHEET 5 OF 6 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	7
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT N425(927)				

				PERRY COUNTY	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HSIP	TBP
				SAFETY 0021	BRIDGE 0010
				RURAL	S.N. 073-3198
* 70107025	CHANGEABLE MESSAGE SIGN	CAL DA	42	42	
+ 72000100	SIGN PANEL - TYPE 1	SQ FT	128	128	
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3	
+ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	12		12
+ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	282	282	
+ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	7931		7931
+ 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	56		56
+ 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	33	33	
+ * X2300017	STEEL RAILING, TYPE SM (SPECIAL)	FOOT	166		166
+ * X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	10.25		10.25
+ * X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	25	25	
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.5	0.5
# Z0076600	TRAINEES	HOUR	1,000		
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000		
* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	

- * SEE SPECIAL PROVISIONS
- + SPECIALTY ITEM
- # 0042

GUARDRAIL SCHEDULE										
STATION TO STATION	SIDE	63000003	63200310	72501000	78200005	63100087	63100167		X6330725	
		STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	GUARDRAIL REMOVAL	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	TRAFFIC BARRIER TERMINAL		STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)		
						TYPE 6A	TYPE 1 (SPECIAL) TANGENT			
FOOT				EACH					FOOT	
GREENS MARKET ROAD										
136+19	148+04	LT	1150.0	1201.4	2	14		1	25.0	
154+99	159+00	LT	337.5	401.6	2	4		2		
155+07	157+70	RT	200.0	263.6	2	4		2		
163+99	170+00	RT	537.5	601.2	2	7		2		
188+15	189+90	RT	87.5		1	2	1	1		
189+51		RT			1					
190+35	191+22	LT			1	2	1	1		
190+74		RT			1					
217+75	218+66	RT		90.7						
217+76	218+67	LT		90.6						
TOTAL			2312.5	2649.1	12	33	2	9	25.0	
USE			2312.5	2650	12	33	2	9	25	

ESTIMATED QUANTITIES SCHEDULE				
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANTITY	REMARKS
28000305	TEMPORARY DITCH CHECKS	FOOT	800	TO BE USED AS NECESSARY DURING DITCH GRADING
28000400	PERIMETER EROSION BARRIER	FOOT	5000	TO BE USED AS NECESSARY DURING DITCH GRADING
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	8	TO BE USED AS NECESSARY DURING DITCH GRADING
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	800	TO BE USED AS NECESSARY DURING DITCH GRADING
28000500	INLET AND PIPE PROTECTION	EACH	35	TO BE USED AS NECESSARY ON DOWNSTREAM END OF CULVERTS
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	10	TO BE USED AS NECESSARY FOR AGG ENTRANCE TAPERS
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	15	TO BE USED AS NECESSARY FOR HMA ENTRANCE TAPERS
50105220	PIPE CULVERT REMOVAL	FOOT	100	TO BE USED AS NECESSARY FOR ENTRANCES ALONG GUTTER SECTION

PAVEMENT SCHEDULE							
STATION TO STATION	40600275	40600290	40600370	40603085	40604052	44000157	
	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT	HOT-MIX ASPHALT BINDER COURSE IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	
	0.25# / SQ FT	0.025# / SQ FT		112# / SQ YD / IN	112# / SQ YD / IN		
	POUND		FOOT	TON		SQ YD	
GREENS MARKET ROAD							
182+20	182+60		22.0	40		11.0	98
182+60	189+71	4265.7	391.0	711	389.3	194.7	
BRIDGE DECK			75.0			37.0	
190+54	194+60	2436.0	223.3	406	222.3	111.2	
194+60	195+00		22.0	40		11.0	98
WELLS STREET							
0+11	12+60	8080.6	746.8	1249	558.3	372.2	
12+60	13+00		22.0	40		11.0	90
TOTAL		14782.3	1502.1	2486	1169.9	748.1	286
USE		14783	1503	2486	1170	749	286

SIGN REMOVAL SCHEDULE				
STATION	FACING	DESIGNATION	72400100	DESCRIPTION
			REMOVE SIGN PANEL ASSEMBLY - TYPE A	
			EACH	
GREENS MARKET ROAD				
107+00	W	R1-1	1	STOP (RED)
107+91	E	R1-1	1	STOP (RED)
112+16	E	W3-1	1	STOP AHEAD (YELLOW)
TOTAL			3	
USE			3	

SHOULDER SCHEDULE							
STATION TO STATION	SIDE	20200600	21400100	48100500	48203021	64200108	
		EXCAVATING AND GRADING EXISTING SHOULDER	GRADING AND SHAPING DITCHES*	AGGREGATE SHOULDERS, TYPE A, 6"	HOT-MIX ASPHALT SHOULDERS, 6"	SHOULDER RUMBLE STRIPS, 8 INCH	
		UNIT	FOOT	SQ YD		FOOT	
GREENS MARKET ROAD							
107+90	135+83	RT	27.9	698.3	620.7	620.7	2793.0
107+90	182+20	RT	74.3	1857.5	1651.1	1651.1	7430.0
136+39	182+20	LT	45.8	1145.3	1018.0	1018.0	4581.0
182+20	189+58	LT			328.0	164.0	738.0
182+20	189+84	RT			339.6	169.8	764.0
190+67	195+00	RT			192.4	96.2	433.0
192+51	195+00	LT			110.7	55.3	249.0
195+00	202+53	RT	7.5	188.3	167.4	167.4	753.2
195+00	202+53	LT	7.5	188.3	167.3	167.3	753.0
203+27	215+43	RT	12.2	304.0	270.2	270.2	1216.0
203+27	215+43	LT	12.2	304.0	270.2	270.2	1216.0
RAILROAD OMISSION STA. 215+43 TO STA. 215+63							
215+63	216+30	RT	0.7	16.8	14.9	14.9	67.0
215+63	218+02	LT	2.4	59.8	53.1	53.1	239.0
218+41	227+84	LT	9.4	235.8	209.6	209.6	943.0
216+77	217+97	RT	1.2	30.0	26.7	26.7	120.0
218+45	221+19	RT	2.7	68.5	60.9	60.9	274.0
221+19	227+84	RT	6.7	166.3		147.8	665.0
WELLS STREET							
0+17	13+00	LT		300.0	285.1	285.1	1283.0
0+17	13+00	RT			285.1	285.1	1283.0
TOTAL			210.5	5562.6	6070.9	5733.3	25800.2
USE			211	5563	6071	5734	25801

*ASSUMED ONLY 25% OF DITCHES NEED WORK. ASSUMES FRONT SLOPE WORK IS ASSUMED IN SHOULDER EXCAVATION

SIGNING SCHEDULE						
STATION	FACING	DESIGNATION	SIZE (W x H)	72000100	72800100	DESCRIPTION
				SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT	
				SQ FT	FOOT	
GREENS MARKET ROAD						
107+00	W	R1-1	30 x 30	6.3	16.0	STOP (RED)
		W4-4P	24 x 12	2.0		CROSS TRAFFIC DOES NOT STOP (YELLOW)
107+00	W	R1-1	30 x 30	6.3	16.0	STOP (RED)
		W4-4P	24 x 12	2.0		CROSS TRAFFIC DOES NOT STOP (YELLOW)
107+90	E	R1-1	30 x 30	6.3	16.0	STOP (RED)
		W4-4P	24 x 12	2.0		CROSS TRAFFIC DOES NOT STOP (YELLOW)
107+90	E	R1-1	30 x 30	6.3	16.0	STOP (RED)
		W4-4P	24 x 12	2.0		CROSS TRAFFIC DOES NOT STOP (YELLOW)
112+85	E	W3-1	30 x 30	6.3	15.0	STOP AHEAD (YELLOW)
167+85	W	W1 4(L)	30 x 30	6.3	15.0	REVERSE CURVE (YELLOW)
173+19	E	W1-8(R)	18 x 24	3.0	14.0	CHEVRON (YELLOW)
	W	W1-8(L)	18 x 24	3.0		CHEVRON (YELLOW)
173+59	E	W1-8(R)	18 x 24	3.0	14.0	CHEVRON (YELLOW)
	W	W1-8(L)	18 x 24	3.0		CHEVRON (YELLOW)
173+99	E	W1-8(R)	18 x 24	3.0	14.0	CHEVRON (YELLOW)
	W	W1-8(L)	18 x 24	3.0		CHEVRON (YELLOW)
174+39	E	W1-8(R)	18 x 24	3.0	14.0	CHEVRON (YELLOW)
	W	W1-8(L)	18 x 24	3.0		CHEVRON (YELLOW)
174+92	E	W1-8(L)	18 x 24	3.0	14.0	CHEVRON (YELLOW)
	W	W1-8(R)	18 x 24	3.0		CHEVRON (YELLOW)
175+31	E	W1-8(L)	18 x 24	3.0	14.0	CHEVRON (YELLOW)
	W	W1-8(R)	18 x 24	3.0		CHEVRON (YELLOW)
175+71	E	W1-8(L)	18 x 24	3.0	14.0	CHEVRON (YELLOW)
	W	W1-8(R)	18 x 24	3.0		CHEVRON (YELLOW)
176+10	E	W1-8(L)	18 x 24	3.0	14.0	CHEVRON (YELLOW)
	W	W1-8(R)	18 x 24	3.0		CHEVRON (YELLOW)
181+22	E	W1-4(L)	30 x 30	6.3	15.0	REVERSE CURVE (YELLOW)
WELLS STREET						
00+40	N	R1-1	30 x 30	6.3	15.0	STOP (RED)
		R1-1	30 x 30	6.3	15.0	STOP (RED)
13+65	N	W1-4(L)	30 x 30	6.3	16.0	REVERSE CURVE (YELLOW)
		W13-1P(30)	18 x 18	2.3		ADVISORY SPEED (30) (YELLOW)
13+80	S	W14-3	48 x 48 x 36	5.8	15.0	NO PASSING ZONE
TOTAL				127.1	282.0	
USE				128	282	

MODEL: SHOMODEL\NAMES
FILE: N010E_V1902 - Greens Market Rd Shoulders - H&P (Perry)\CADD\CADD Sheets\4902-sh-Sched01.dgn



Hutchison
Engineering, Inc.

JOB# 4962

USER NAME = CBurke	DESIGNED - REH	REVISED -
	DRAWN - REH	REVISED -
PLOT SCALE = 10,0000 ' / In.	CHECKED - CMB	REVISED -
PLOT DATE = 6/17/2025	DATE - 01/2025	REVISED -

**PERRY COUNTY
HIGHWAY DEPARTMENT**

**GREENS MARKET ROAD AND WELLS STREET
SCHEDULES OF QUANTITIES**

SCALE: N/A SHEET 1 OF 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	8
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT N4251927				

PAVEMENT MARKING SCHEDULE						
STATION TO STATION	SIDE	78001110			78001180	
		PAINT PAVEMENT MARKING				
		LINE 4"				LINE 24"
		SKIP-DASH YELLOW	SOLID YELLOW	SOLID WHITE		
		FOOT				
GREENS MARKET ROAD						
107+00		RT				10
107+90		LT				10
182+20	190+50	LT			830	
182+20	195+00	CL	320			
182+20	195+00	RT			1280	
192+50	195+00	LT			250	
WELLS STREET						
0+11	13+00	LT			1379	
0+11	13+00	RT			1319	
0+22		LT				36
0+23	11+89	LT/RT		2332		
11+89	13+80	LT		191		
11+89	13+00	CL	30			
TOTAL			350	2523	5058	56
USE			7931			56

MESSAGE BOARD SCHEDULE	
LOCATION	70107025
	CHANGEABLE MESSAGE SIGN
	CAL DAY
EAST OF GREENS MARKET ROAD AND KATHLEEN ROAD INTERSECTION	
WEST OF GREENS MARKET ROAD AND SIXMILE CREEK RD INTERSECTION	
SOUTH OF WELLS STREET AND GAS PLANT ROAD INTERSECTION	
TOTAL	42
USE	42

AGGREGATE SCHEDULE				
STATION TO STATION		SIDE	35100900	40200800
			AGGREGATE BASE COURSE, TYPE A 10"	AGGREGATE SURFACE COURSE, TYPE B
			SQ YD	TON
GREENS MARKET ROAD				
182+20	189+71	LT/RT	1895.9	
190+54	195+00	LT/RT	1082.7	
182+20	189+58	LT		
182+20	189+84	RT		
190+67	195+00	RT		
192+50.93	195+00	LT		
192+64		LT		22
WELLS STREET				
0+11	13+00	LT/RT*	3591.3	
0+17	13+00	LT*		
0+17	13+00	RT*		
3+34		LT		70
8+65		LT		75
10+22		LT		11
TOTAL			6569.9	178
USE			6570	178

EARTHWORK SCHEDULE			
STATION TO STATION	20200100		20400800
	EARTH EXCAVATION	FURNISHED EXCAVATION	
	CU YD		
GREENS MARKET ROAD			
182+20	189+71	245	1695
190+54	195+00	132	2797
WELLS STREET			
0+11	13+00	2224	3421
ENTRANCE - WELLS ST STA 3+34 LT			
0+15	2+47	4	631
TOTAL		2605	8544
USE		2605	8544

CONCRETE GUTTER SCHEDULE			
STATION TO STATION		SIDE	60602500
			CONCRETE GUTTER TYPE A
			FOOT
GREEN MARKET ROAD			
221+19	227+84	RT	665.1
TOTAL			665.1
USE			666

PAVEMENT REMOVAL SCHEDULE			
STATION TO STATION		SIDE	44000100
			PAVEMENT REMOVAL
			SQ YD
GREENS MARKET ROAD			
182+60	190+00.56	LT/RT	1412
190+30.18	194+60	LT/RT	245
WELLS STREET			
0+11	10+45.35	LT	2597
10+45.35	12+60	LT/RT	486
TOTAL			4740
USE			4740

PIPE CULVERT SCHEDULE									
STATION	SIDE	20800150	50105220	54213660	54213669	54213693	542A0220	542A0229	542A0253
		TRENCH BACKFILL	PIPE CULVERT REMOVAL	PRECAST REINFORCED CONCRETE FLARED END SECTIONS			PIPE CULVERTS, CLASS A		
							TYPE 1		
		15"	24"	48"	15"	24"	48"		
CU YD	FOOT	EACH			FOOT				
GREENS MARKET ROAD									
192+64	LT		25	2			26		
WELLS STREET									
2+86	LT/RT	31				2			58
3+34	LT				2			28	
5+28	LT		32						
8+65	LT		50	2			54		
10+81	LT/RT	6	12		2			40	
10+86	LT/RT	6	38						
TOTAL		43	157	4	4	2	80	68	58
USE		43	157	4	4	2	80	68	58

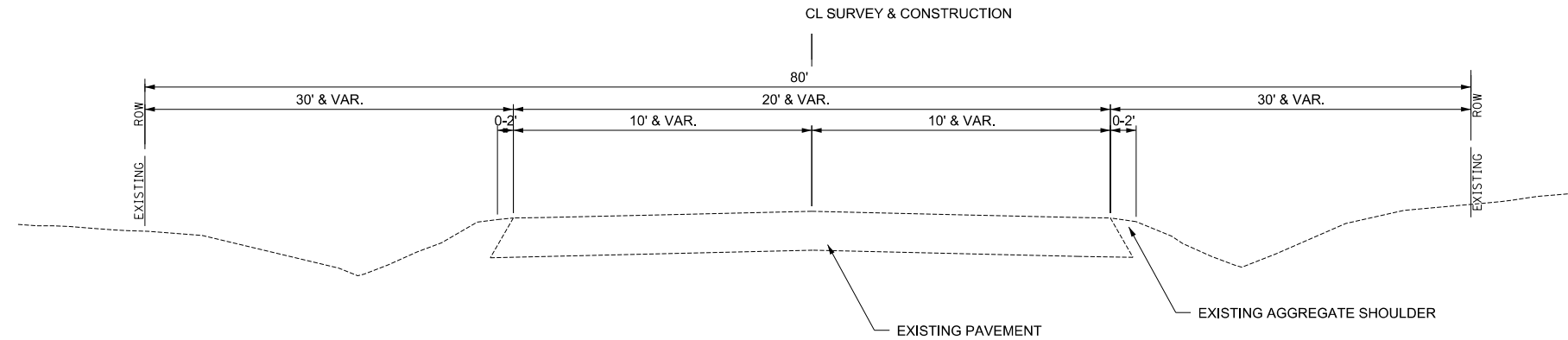
TREE REMOVAL SCHEDULE			
STATION TO STATION		SIDE	20100500
			TREE REMOVAL, ACRES
			ACRE
GREENS MARKET ROAD			
190+00	195+00	RT	0.12
WELLS STREET			
0+40	5+87	LT/RT	0.91
ENTRANCE - WELLS ST STA 3+34 LT			
0+40	1+80	LT/RT	0.12
TOTAL			1.15
USE			1.25

SEEDING SCHEDULE				
STATION TO STATION	SIDE	X2501000	28000250	
		SEEDING, CLASS 2 (SPECIAL)	TEMPORARY EROSION CONTROL SEEDING	
			100# / ACRE	
			ACRE	POUND
GREENS MARKET ROAD				
182+20	189+52	LT	0.14	14
182+20	190+32	RT	0.18	18
190+72	195+00	RT	0.14	14
192+74	195+00	LT	0.05	5
WELLS STREET				
0+17	3+28	LT	0.57	57
3+40	8+42	LT	0.55	55
8+88	10+19	LT	0.09	9
10+39	13+00	LT	0.06	6
0+17	13+00	RT	0.47	47
TOTAL			2.25	225
USE			2.25	225



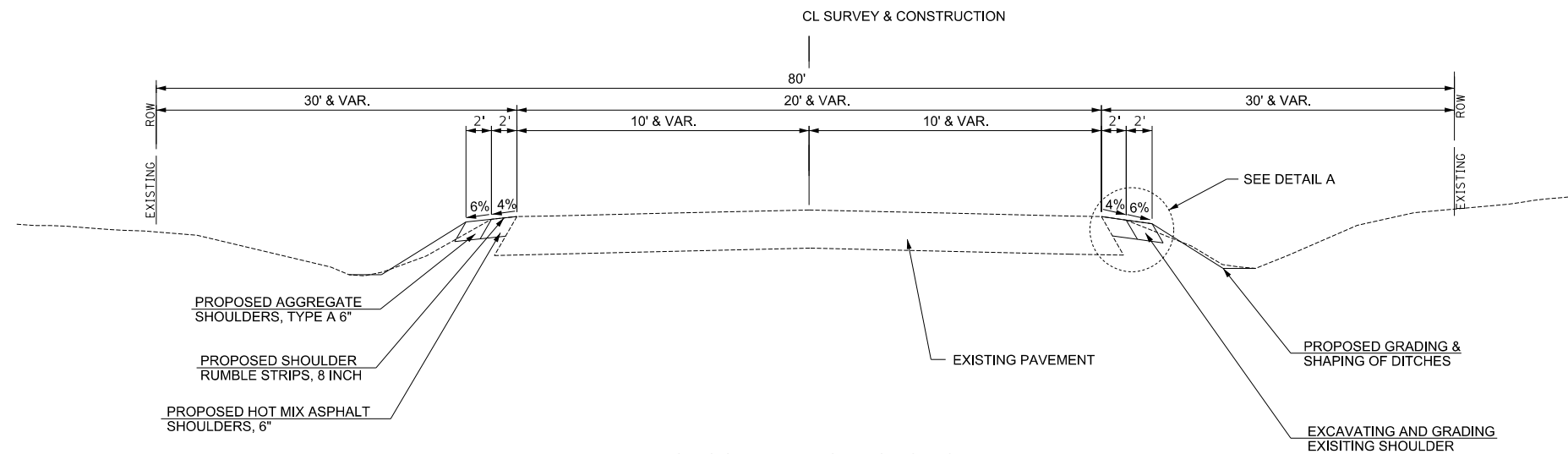
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	9
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT N4251927				



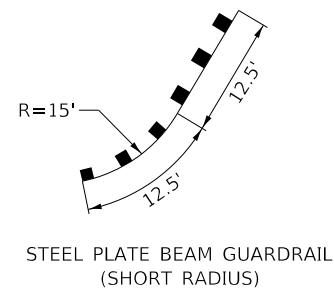
**EXISTING TYPICAL SECTION
GREENS MARKET RD**

STATION 107+90 TO 182+20
STATION 195+00 TO 227+40



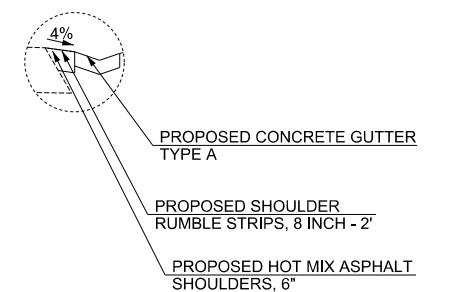
**PROPOSED TYPICAL SECTION
GREENS MARKET RD**

STATION 107+90 TO 182+20
STATION 195+00 TO 215+43
RAILROAD OMISSION STATION 215+43 TO 215+63
STATION 215+63 TO 217+40
BRIDGE OMISSION 217+40 TO 219+00
STATION 219+00 TO 227+84



STEEL PLATE BEAM GUARDRAIL
(SHORT RADIUS)

SHOP CURVE DETAILS
(NOT DRAWN TO SCALE)



DETAIL A

STATION 221+19 TO 227+84

MODEL: Default
FILE NAME: 101962 - Greens Market Rd Shoulders - HSP (Perry)/CADD/CADD Sheets/4962-shc-Typ01.dgn
2025



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JOB# 4962

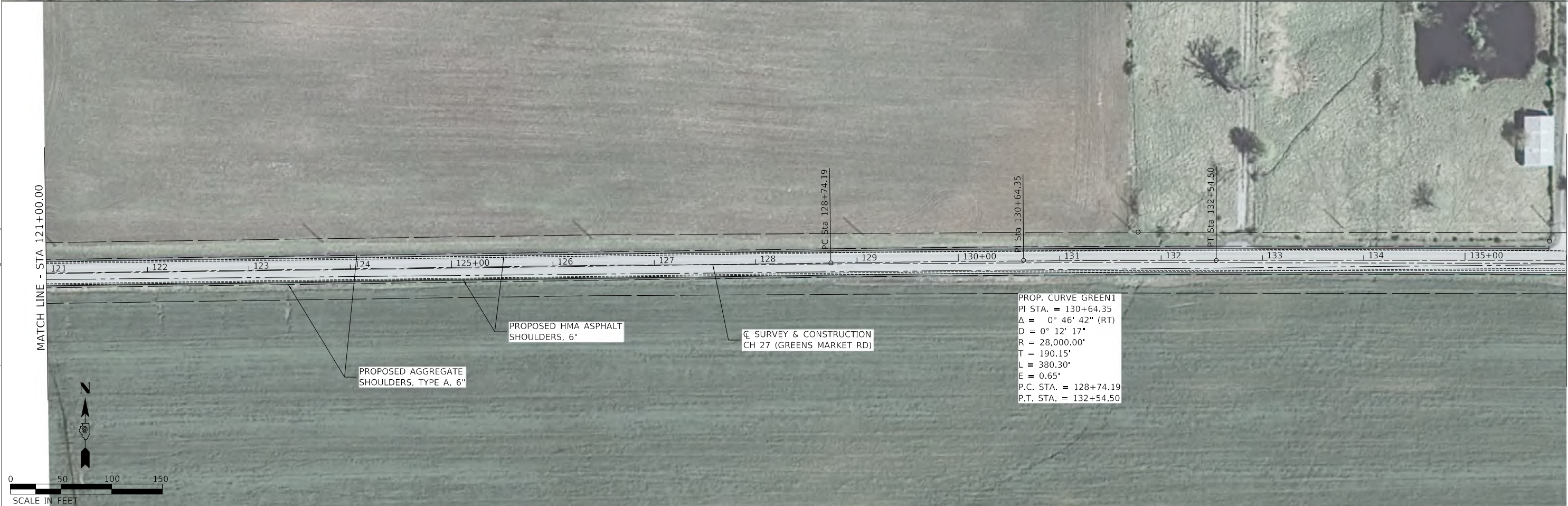
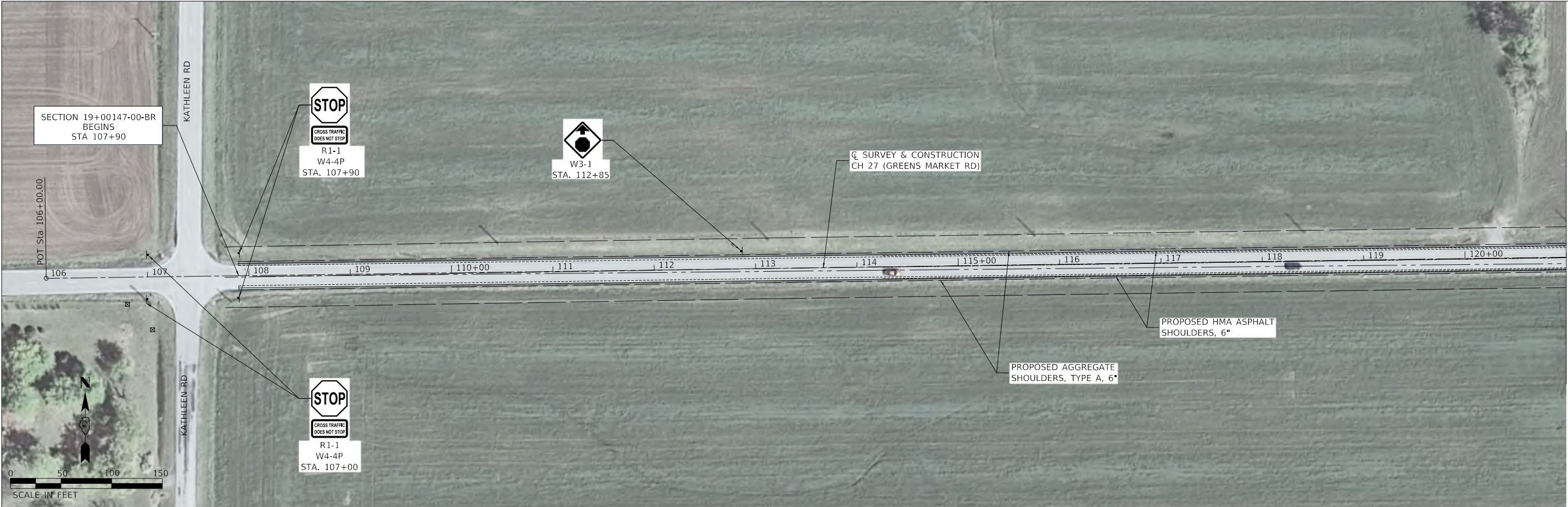
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PLOT DATE = 3/17/2025	DATE - 01/2025	REVISED -

**PERRY COUNTY
HIGHWAY DEPARTMENT**

**GREENS MARKET ROAD
EXISTING AND PROPOSED TYPICAL SECTIONS**

SCALE: N/A SHEET 1 OF 1 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	10
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT N425(927)				



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2025



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PLOT DATE = 3/17/2025	DATE - 01/2025	REVISED -

PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD
DOUBLE ROADWAY PLANS

SCALE: 1"=50' SHEET 1 OF 5 SHEETS STA. 106+00.00 TO STA. 136+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	11
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT N425(927)				



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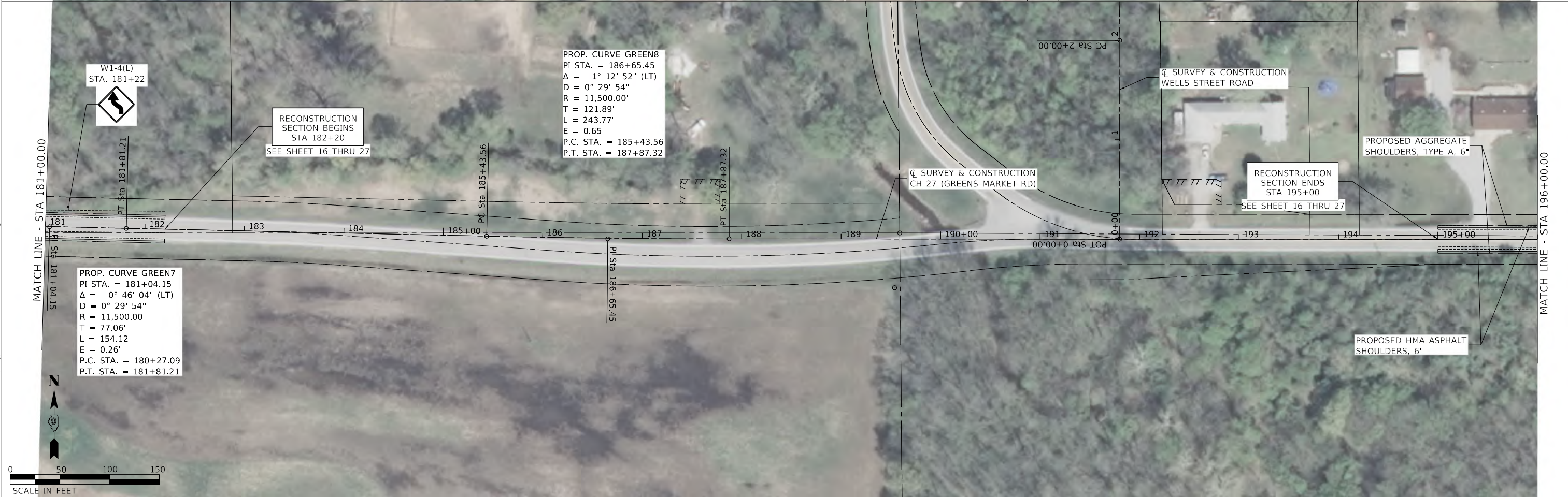
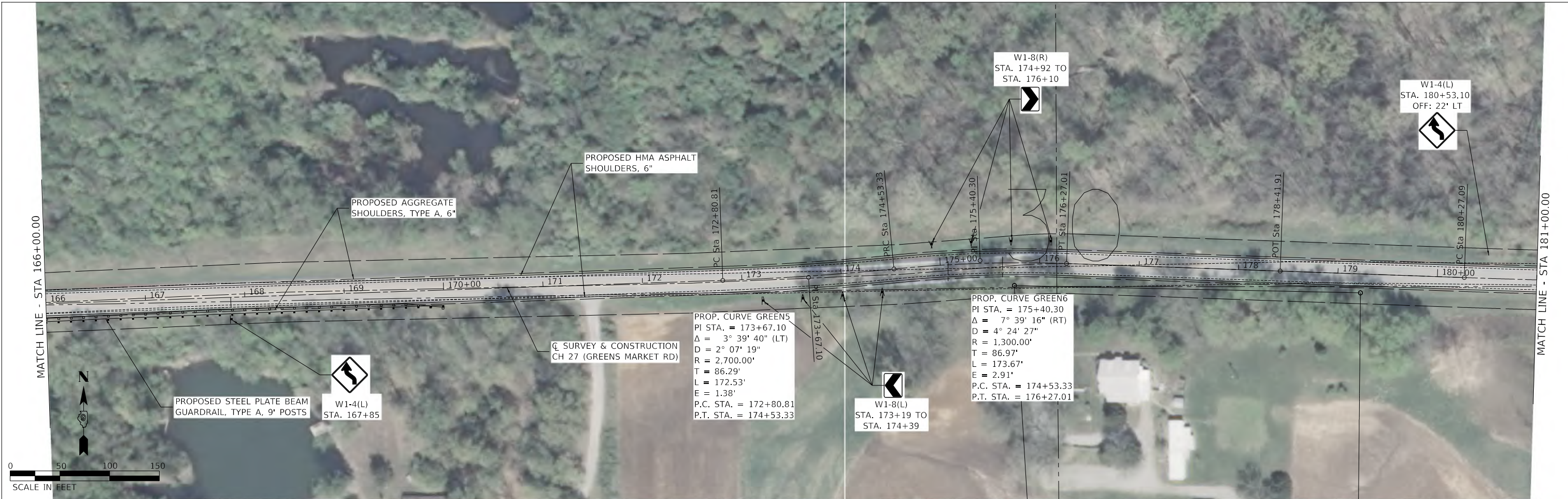
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PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD
DOUBLE ROADWAY PLANS

SCALE: 1"=50' SHEET 2 OF 5 SHEETS STA. 136+00.00 TO STA. 166+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	12
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT N425(927)				



MODEL: DEFAULT
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PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD
DOUBLE ROADWAY PLANS

SCALE: 1"=50' SHEET 3 OF 5 SHEETS STA. 166+00.00 TO STA. 196+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	13
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT N425(927)				



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2025



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DESIGNED	- CMB
DRAWN	- JCW
CHECKED	- BMB
DATE	- 01/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD
DOUBLE ROADWAY PLANS

SCALE: 1"=50' SHEET 4 OF 5 SHEETS STA. 196+00.00 TO STA. 226+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	14
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT N425(927)				



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2025

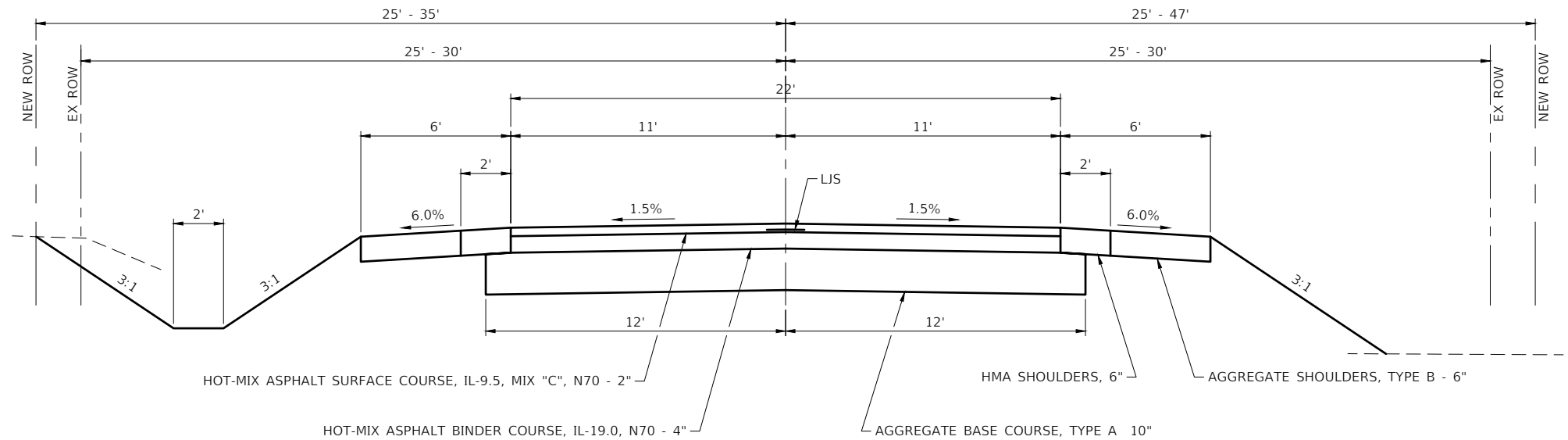


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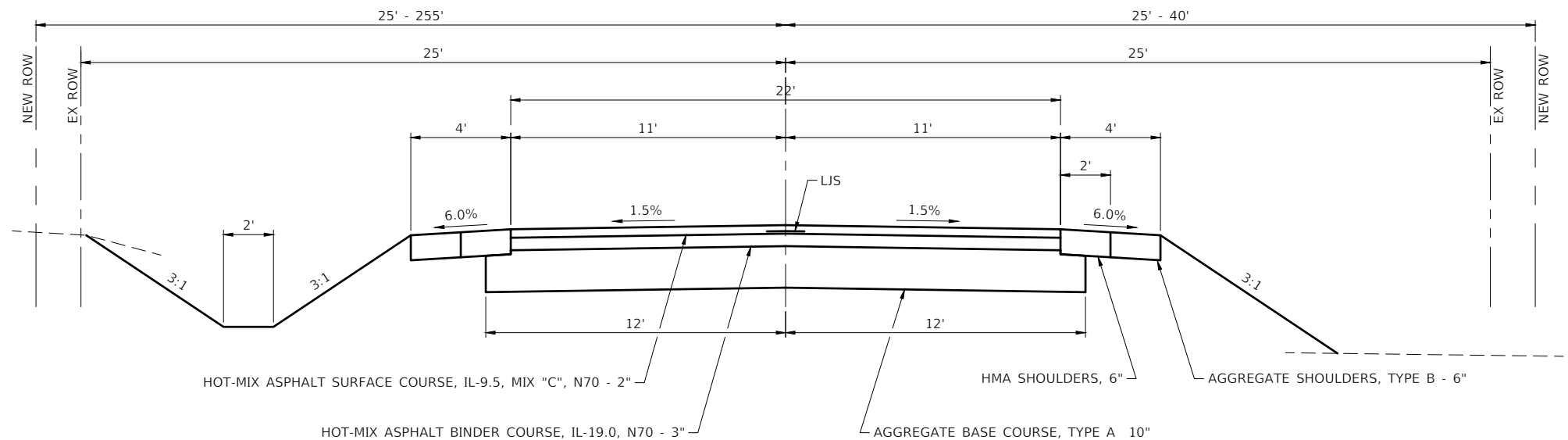
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PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DOUBLE ROADWAY PLANS		1824	19-00147-00-BR	PERRY	39	15
SCALE: 1"=50'		SHEET 5 OF 5 SHEETS		STA. 226+00.00 TO STA. 229+79.17		CONTRACT NO. 99749
		ILLINOIS		FED. AID PROJECT N425(927)		



PROPOSED TYPICAL SECTION
GREENS MARKET ROAD
STA 182+60 TO STA 194+60



PROPOSED TYPICAL SECTION
WELLS STREET
STA 0+11 TO STA 12+60

MODEL: SMOELNAMES
FILE NAME: SFILES



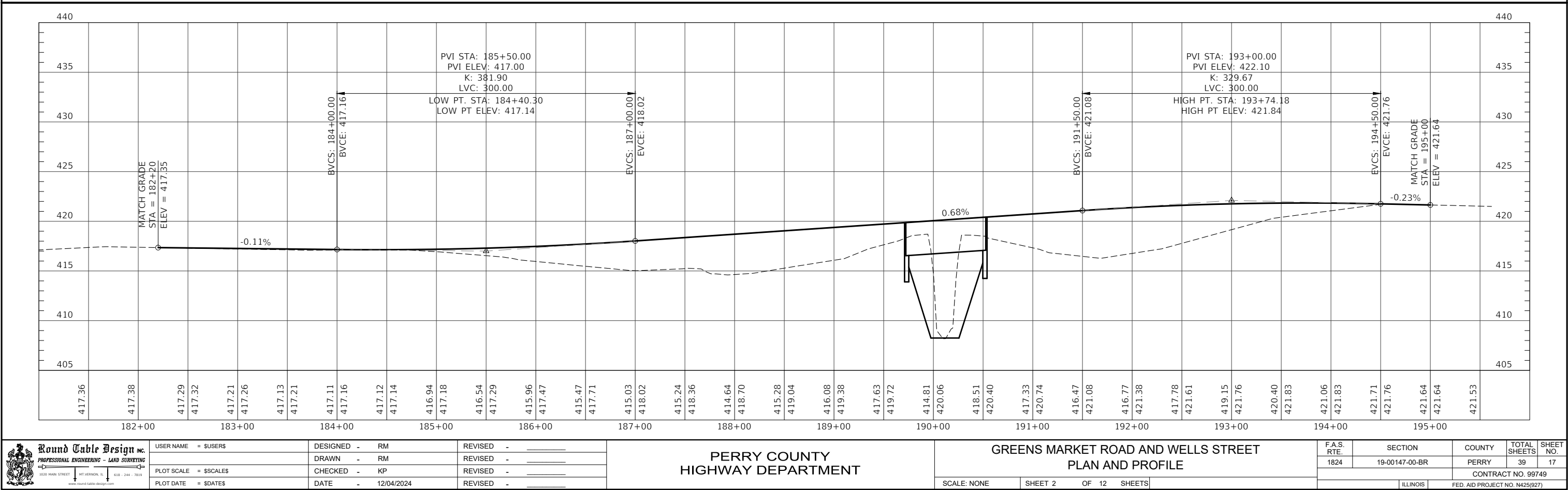
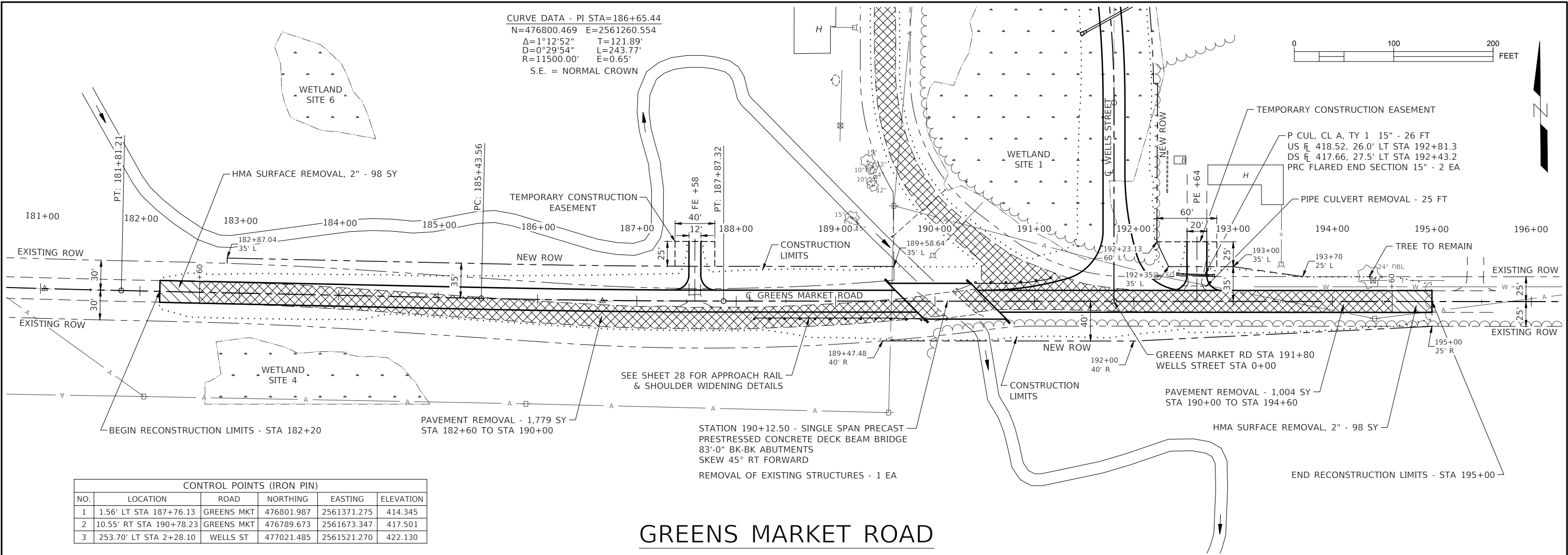
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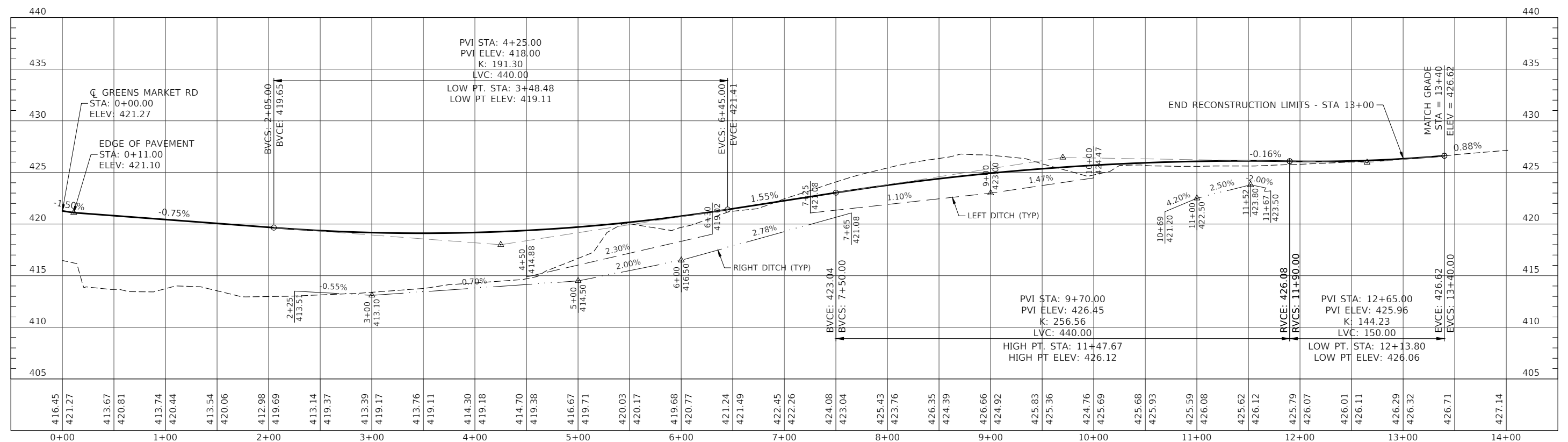
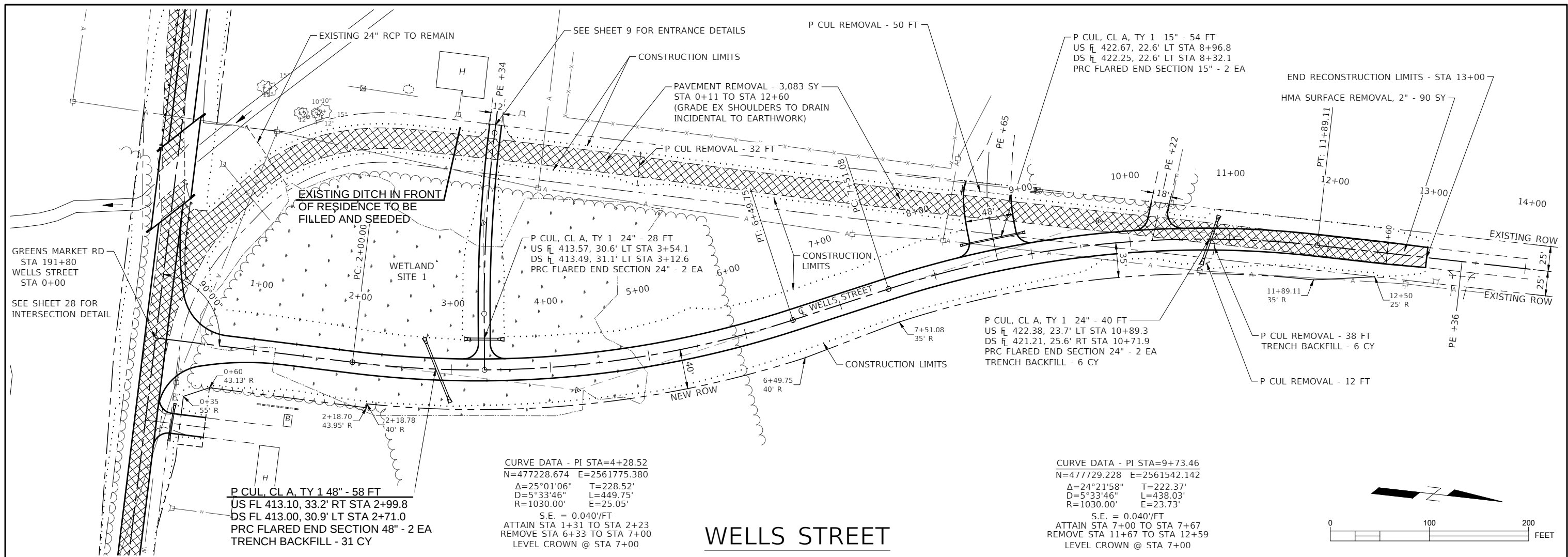
PERRY COUNTY
HIGHWAY DEPARTMENT

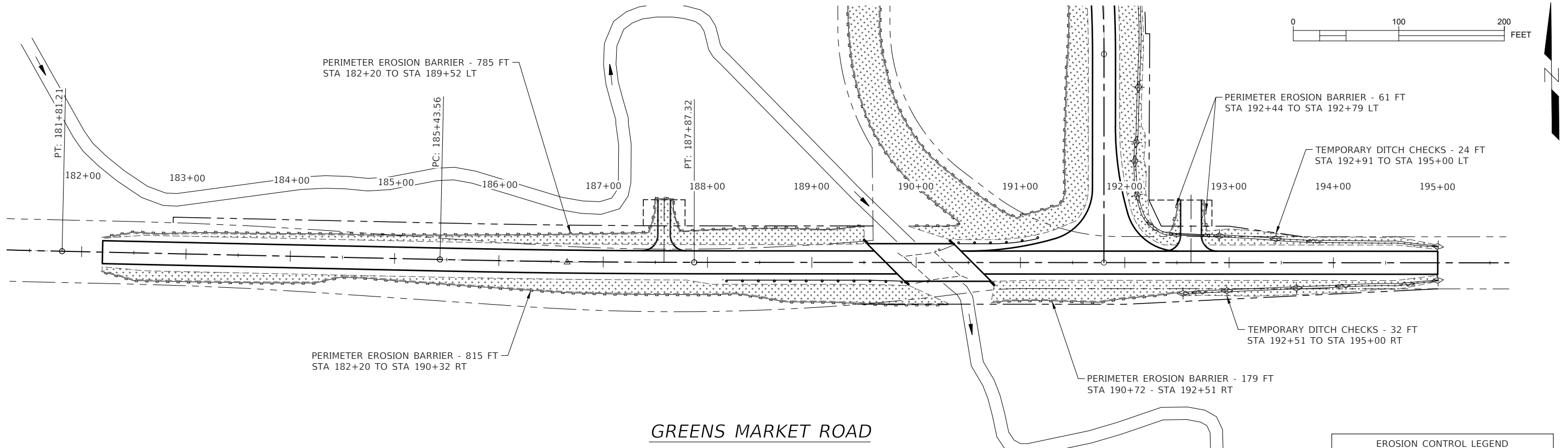
GREENS MARKET ROAD AND WELLS STREET
TYPICAL SECTIONS

SCALE: NONE SHEET 1 OF 12 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	16
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT NO. N425(927)				

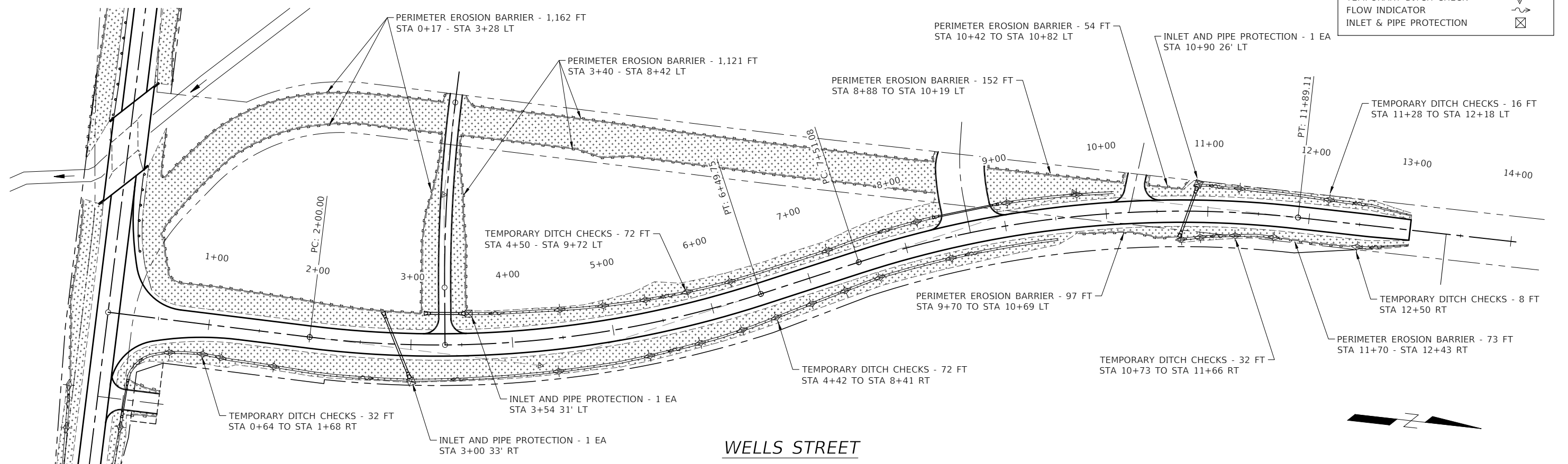






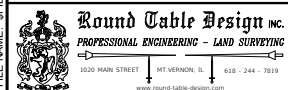
GREENS MARKET ROAD

EROSION CONTROL LEGEND	
SEEDING	
PERIMETER EROSION BARRIER	
TEMPORARY DITCH CHECK	
FLOW INDICATOR	
INLET & PIPE PROTECTION	



WELLS STREET

MODEL: SUCCESSIONS
FILE NAME: STILES



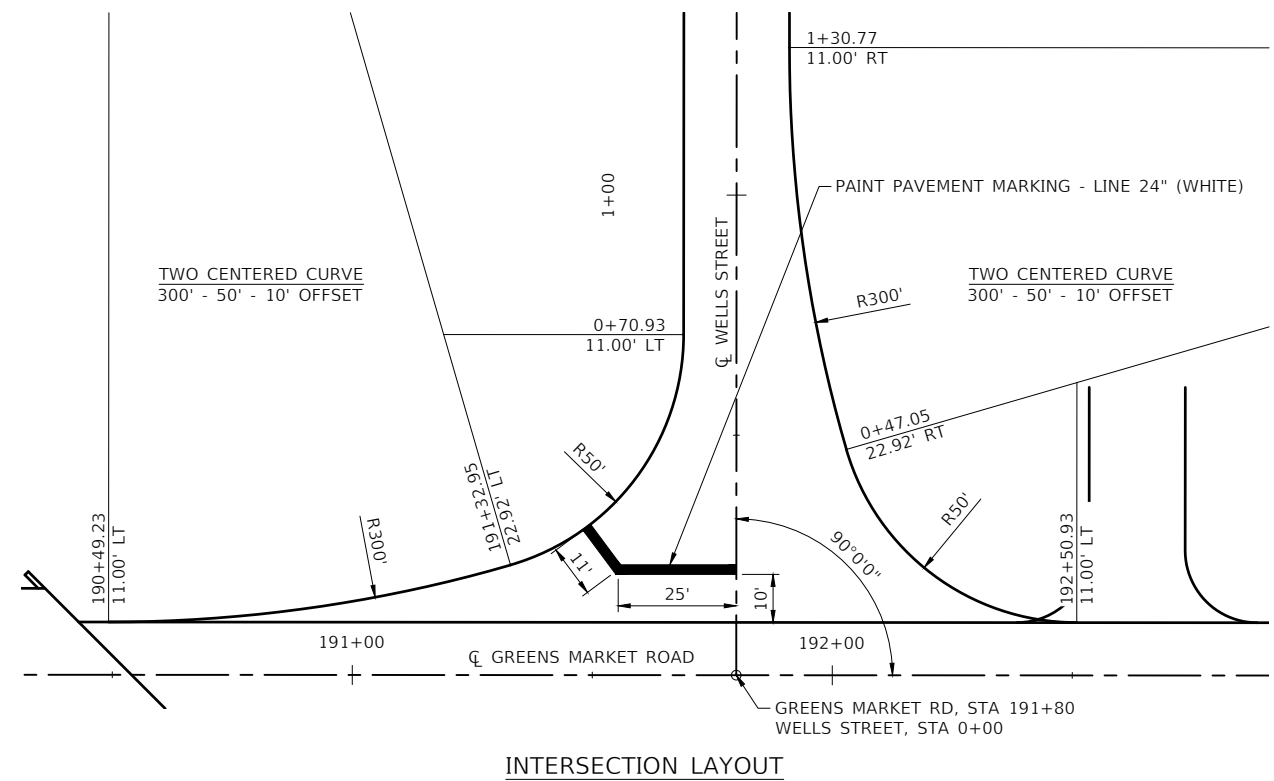
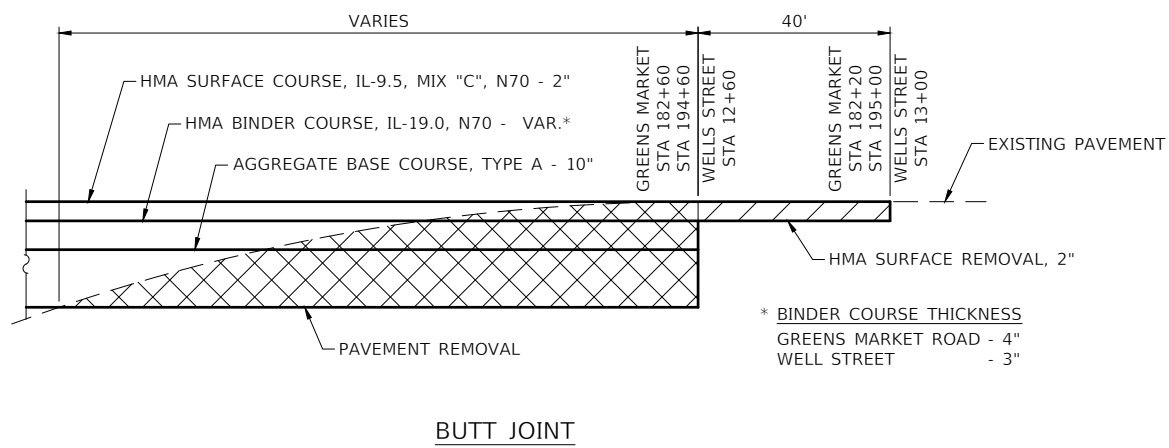
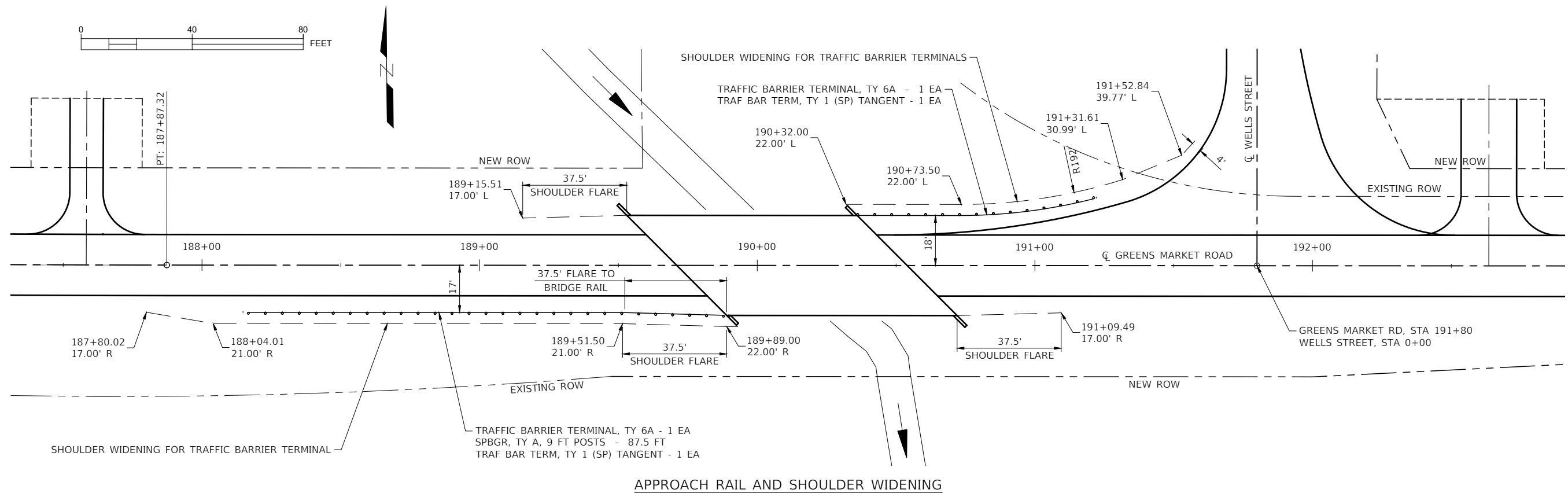
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PERRY COUNTY
HIGHWAY DEPARTMENT

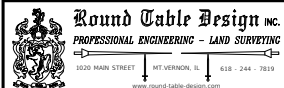
GREENS MARKET ROAD AND WELLS STREET
EROSION CONTROL PLAN

SCALE: NONE SHEET 4 OF 12 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	19
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT NO. N425(927)				



MODEL: SUCCESSIONS
FILE NAME: STILES



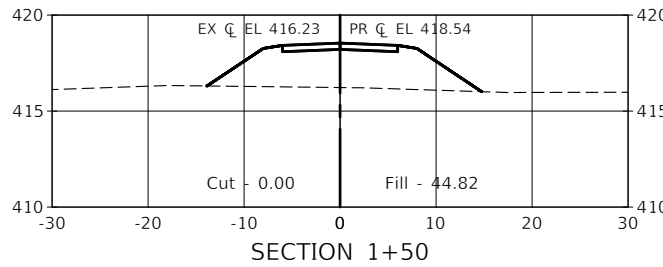
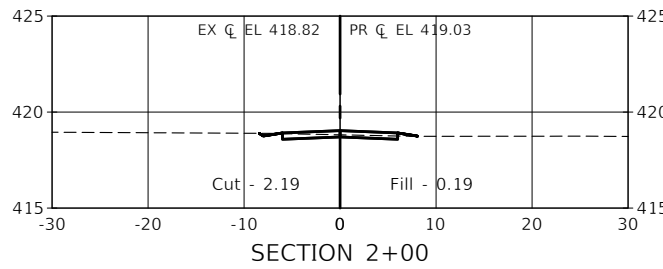
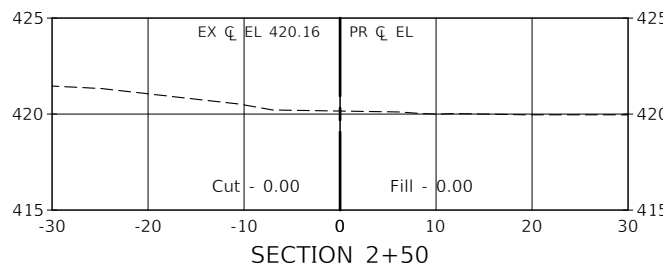
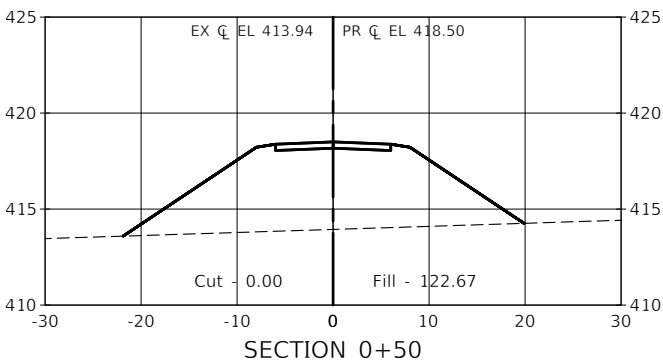
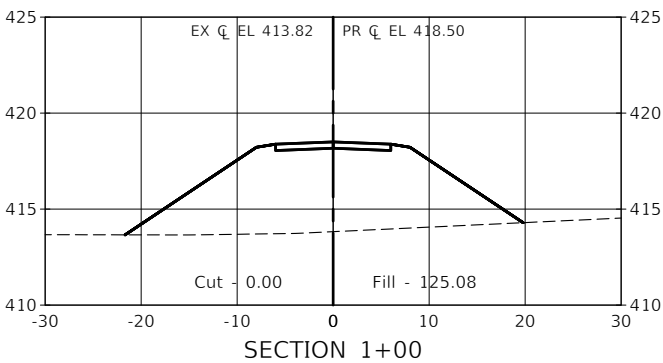
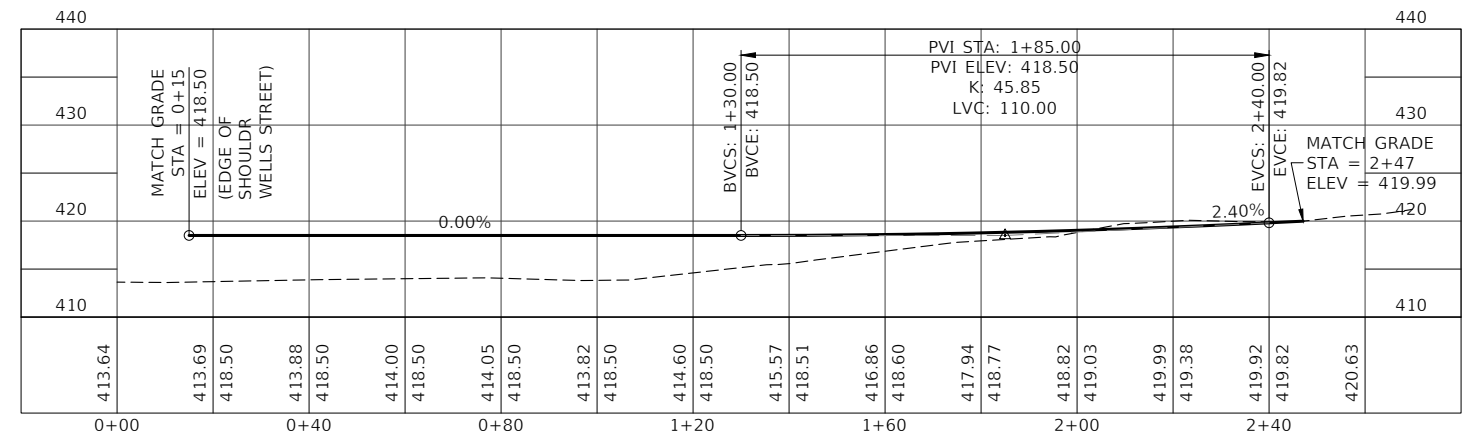
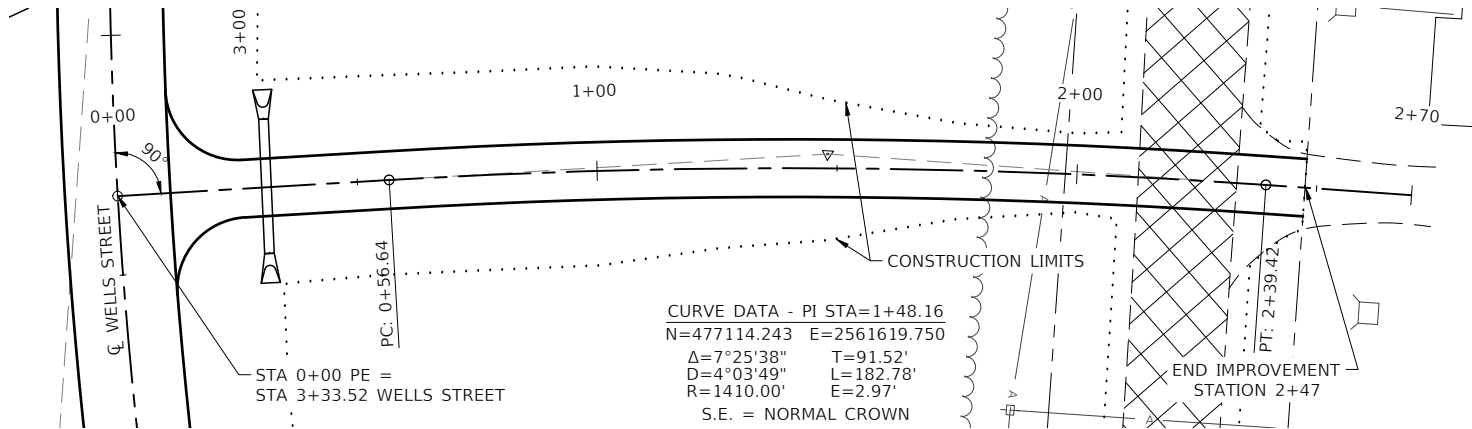
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	DRAWN - RM	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - KP	REVISED -
PLOT DATE = \$DATES	DATE - 12/04/2024	REVISED -

PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD AND WELLS STREET
DETAILS

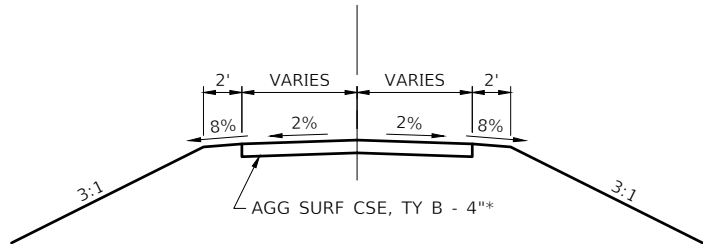
SCALE: NONE SHEET 5 OF 12 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	20
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT NO. N425(927)				

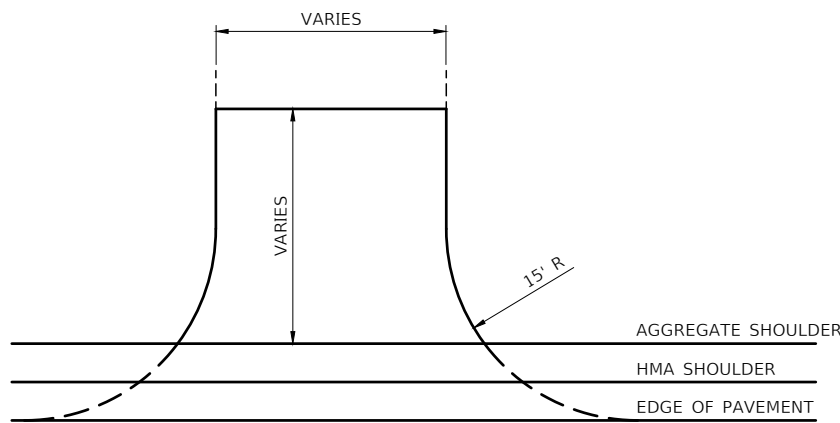


PE @ STA 3+34 WELLS STREET

ENTRANCE SCHEDULE				
STATION	SIDE	WIDTH	40200800	40800050
			AGGREGATE SURFACE COURSE, TYPE B	INCIDENTAL HOT-MIX ASPHALT SURFACING
		FOOT	TON	
GREENS MARKET ROAD				
187+58	LT	12		13
192+64	LT	20	22	
WELLS STREET				
3+34	LT	12	70	
8+65	LT	48	75	
10+22	LT	18	11	
TOTAL			178	13
USE			178	13

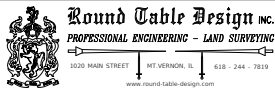


TYPICAL ENTRANCE SECTION
* NO AGG SURF CSE ON ENTRANCE
@ STA 187+57 GREENS MKT RD



TYPICAL ENTRANCE PLAN

MODEL: SUCCELMAMES
FILE NAME: SUELES



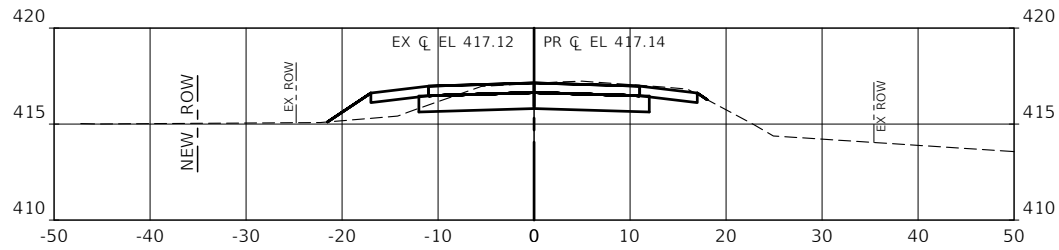
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PLOT DATE = \$DATES	DATE - 12/04/2024	REVISED -

PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD AND WELLS STREET
DETAILS

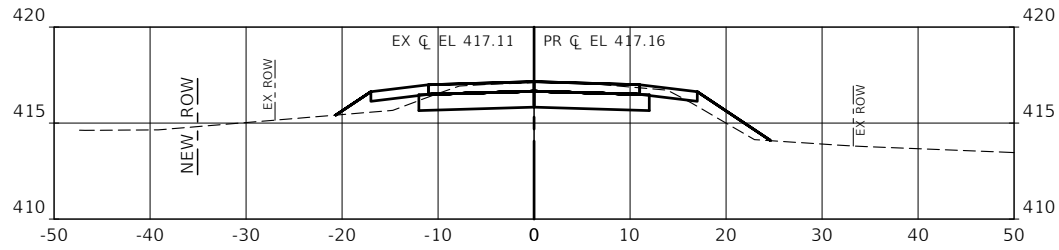
SCALE: NONE SHEET 6 OF 12 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	21
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT NO. N425(927)				



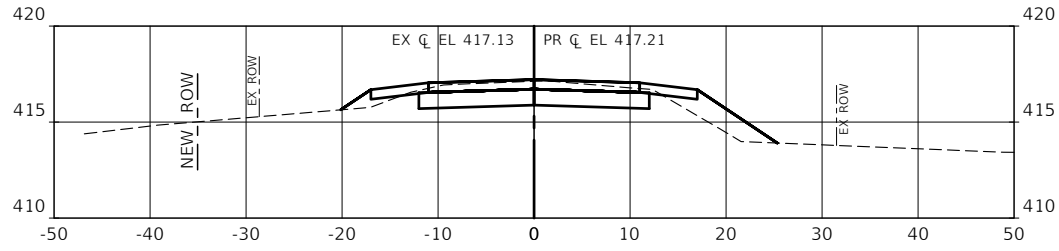
SECTION 184+50

CUT AREA: 26.25
FILL AREA: 6.96



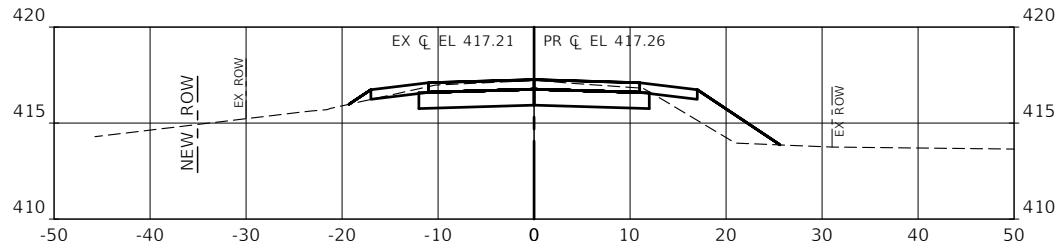
SECTION 184+00

CUT AREA: 24.50
FILL AREA: 8.87



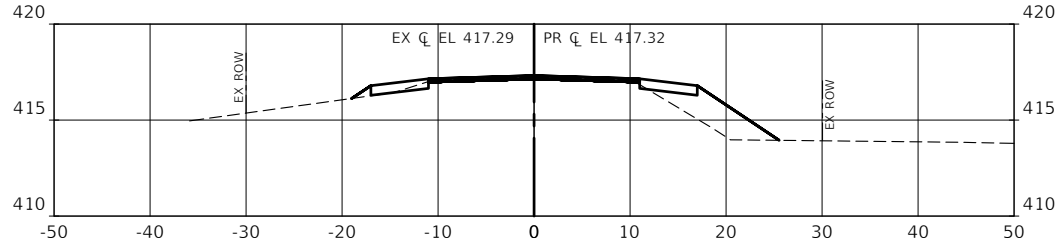
SECTION 183+50

CUT AREA: 23.09
FILL AREA: 11.65



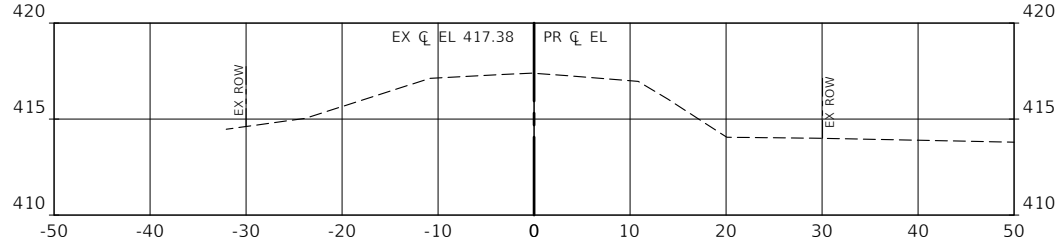
SECTION 183+00

CUT AREA: 23.75
FILL AREA: 12.56



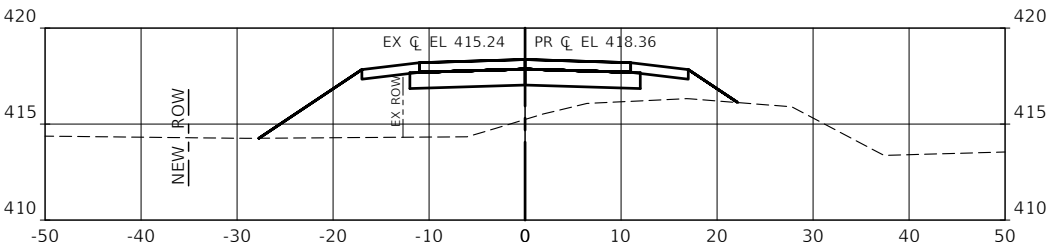
SECTION 182+50

CUT AREA: 2.41
FILL AREA: 14.02



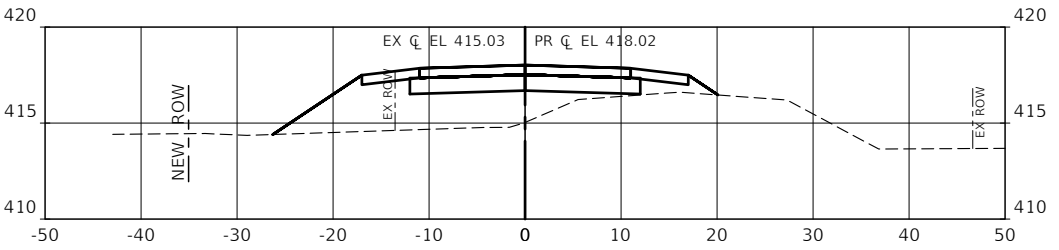
SECTION 182+00

CUT AREA: 0.00
FILL AREA: 0.00



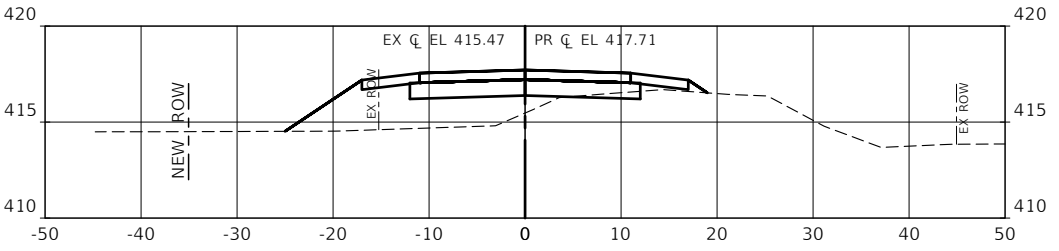
SECTION 187+50

CUT AREA: 0.00
FILL AREA: 91.40



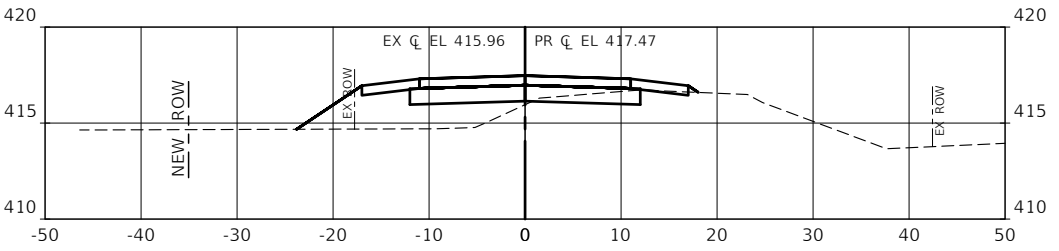
SECTION 187+00

CUT AREA: 0.00
FILL AREA: 65.46



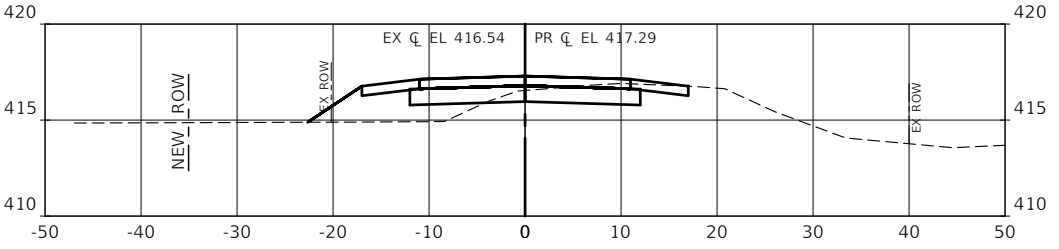
SECTION 186+50

CUT AREA: 0.24
FILL AREA: 46.66



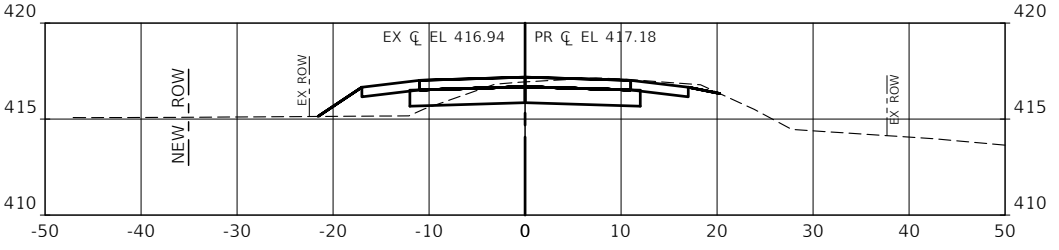
SECTION 186+00

CUT AREA: 2.41
FILL AREA: 32.45



SECTION 185+50

CUT AREA: 9.63
FILL AREA: 18.96

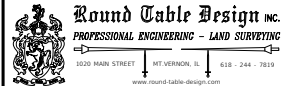


SECTION 185+00

CUT AREA: 20.32
FILL AREA: 9.75

GREENS MARKET ROAD - STATION 182+00 TO STATION 187+50

MODEL: SMOELNAMES
FILE NAME: SFILES



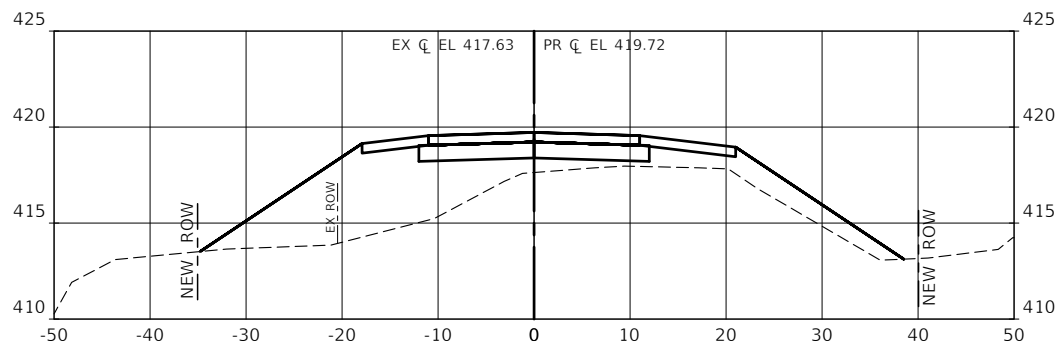
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DRAWN - RM	REVISED -	
PLOT SCALE = \$SCALES	CHECKED - KP	REVISED -
PLOT DATE = \$DATES	DATE - 12/04/2024	REVISED -

PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD AND WELLS STREET
CROSS SECTIONS

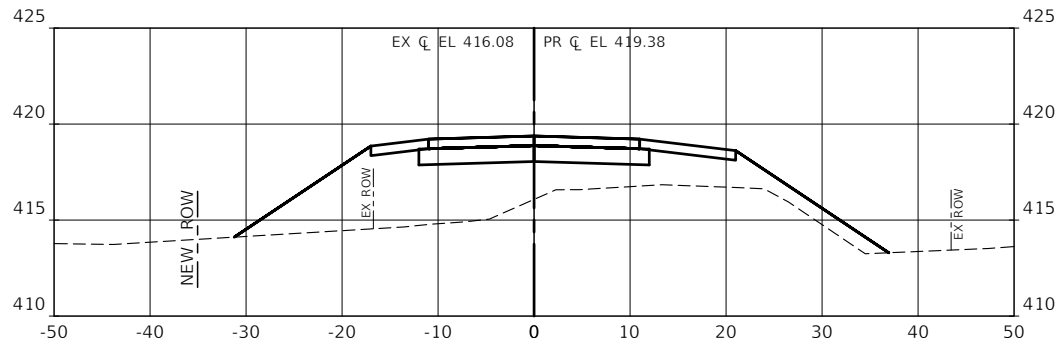
SCALE: NONE SHEET 7 OF 12 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	22
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT NO. N425(B27)				



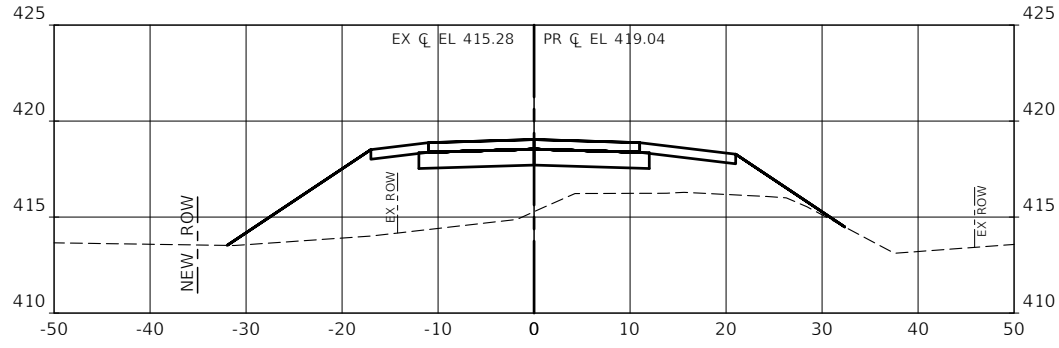
SECTION 189+50

CUT AREA: 0.00
FILL AREA: 127.97



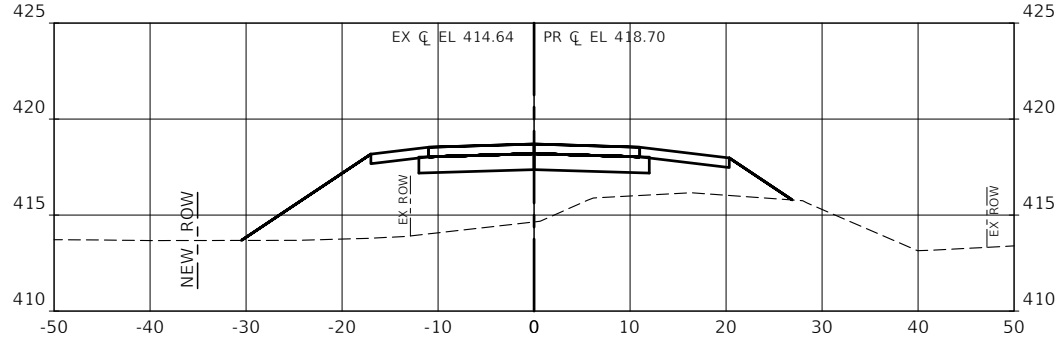
SECTION 189+00

CUT AREA: 0.00
FILL AREA: 134.76



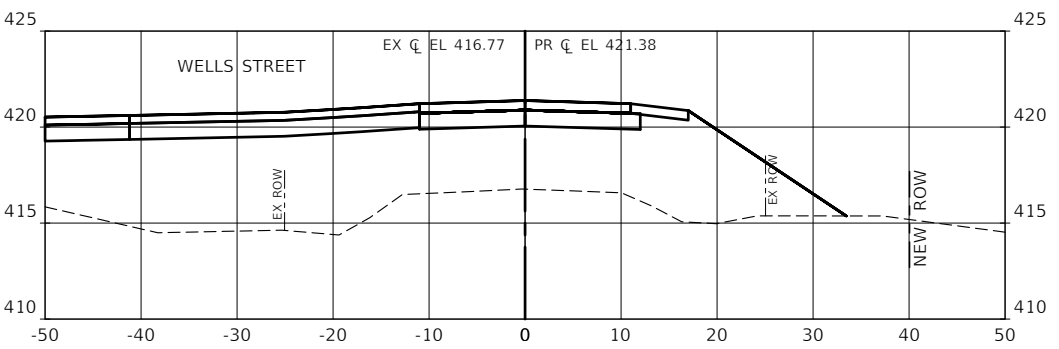
SECTION 188+50

CUT AREA: 0.00
FILL AREA: 138.28



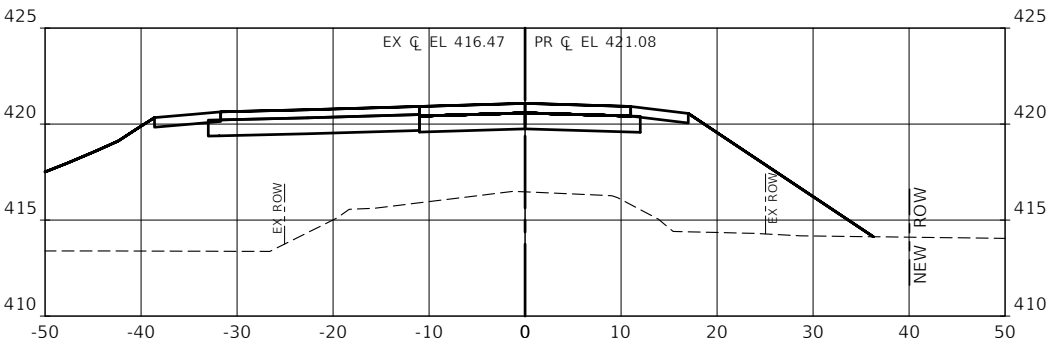
SECTION 188+00

CUT AREA: 0.00
FILL AREA: 131.05



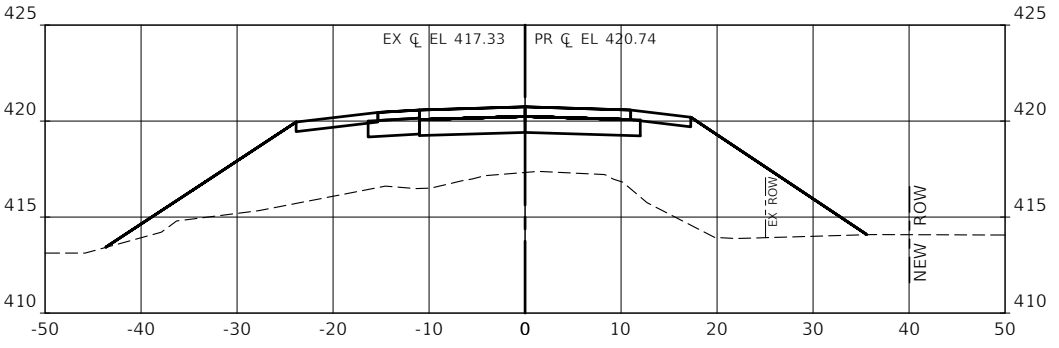
SECTION 192+00

CUT AREA: 0.00
FILL AREA: 331.62



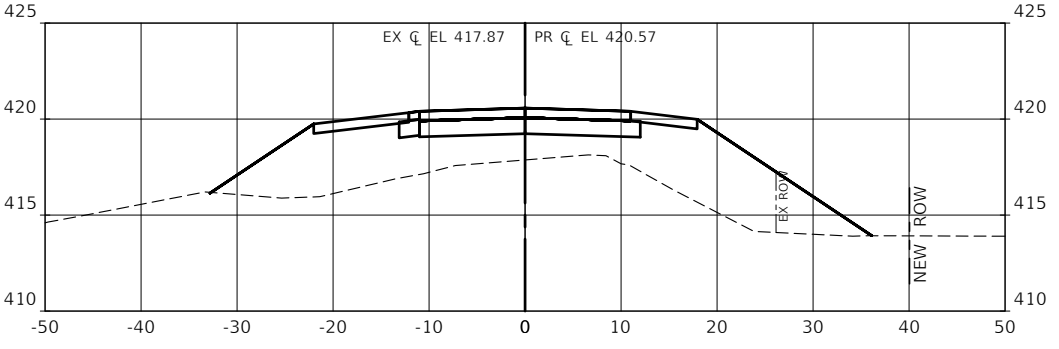
SECTION 191+50

CUT AREA: 0.00
FILL AREA: 378.33



SECTION 191+00

CUT AREA: 0.00
FILL AREA: 216.95

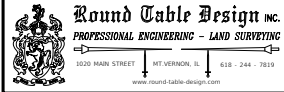


SECTION 190+75

CUT AREA: 0.00
FILL AREA: 156.03

GREENS MARKET ROAD - STATION 188+00 TO STATION 192+00

MODEL: SMOELNAMES
FILE NAME: SFILES



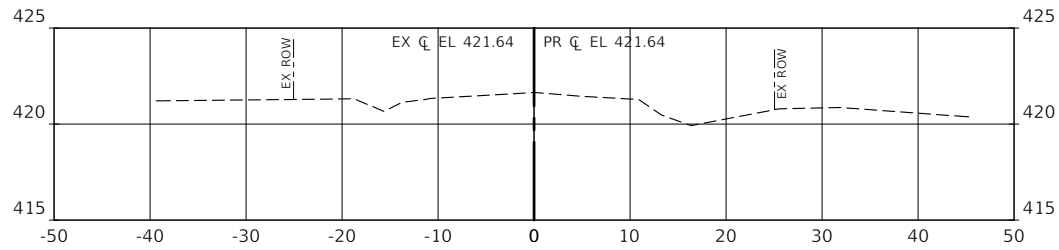
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DRAWN - RM	REVISED -	
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PLOT DATE = \$DATES	DATE - 12/04/2024	REVISED -

PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD AND WELLS STREET
CROSS SECTIONS

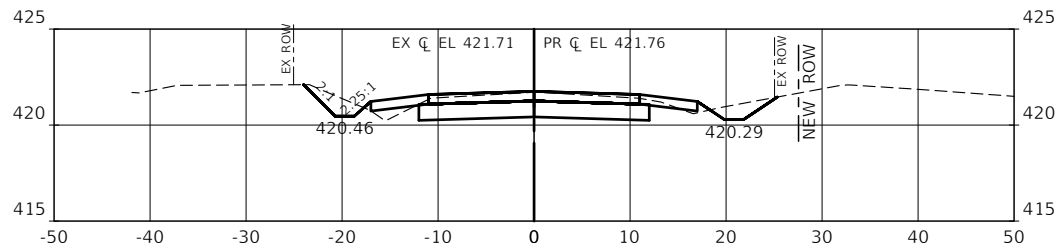
SCALE: NONE SHEET 8 OF 12 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	23
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT NO. N425(B27)				



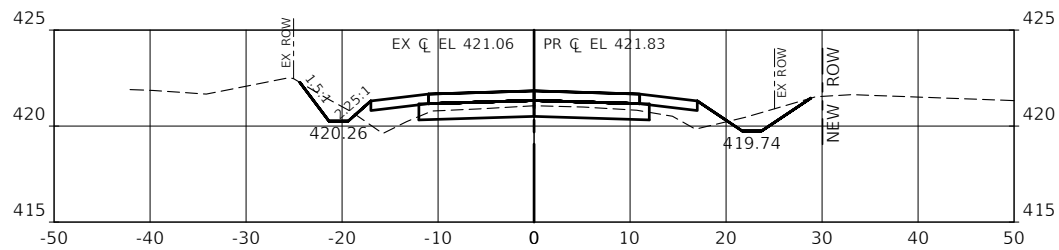
SECTION 195+00

CUT AREA: 0.00
FILL AREA: 0.00



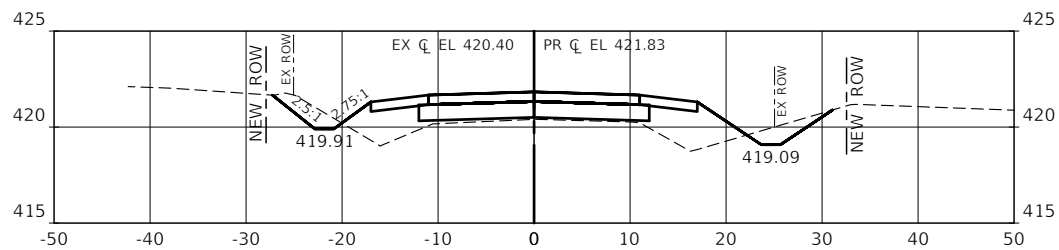
SECTION 194+50

CUT AREA: 31.33
FILL AREA: 2.15



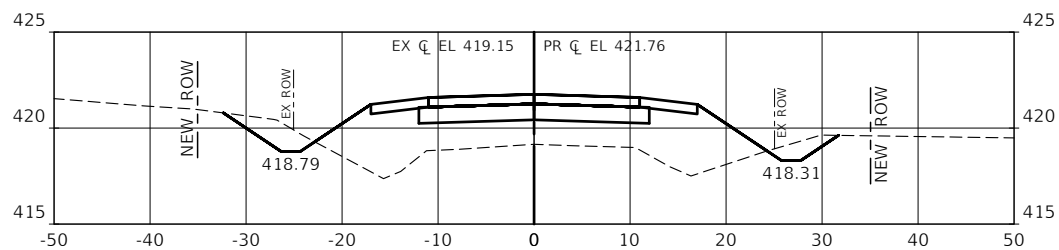
SECTION 194+00

CUT AREA: 14.88
FILL AREA: 10.96



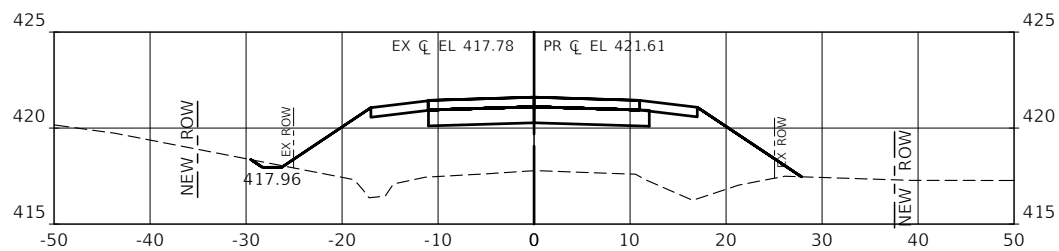
SECTION 193+50

CUT AREA: 10.24
FILL AREA: 34.37



SECTION 193+00

CUT AREA: 12.49
FILL AREA: 91.39

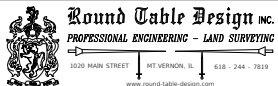


SECTION 192+50

CUT AREA: 0.95
FILL AREA: 148.28

GREENS MARKET ROAD - STATION 192+50 TO STATION 195+00

MODEL: SMOELNAMES
FILE NAME: ST1115



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PLOT DATE = \$DATE\$

DESIGNED - RM
DRAWN - RM
CHECKED - KP
DATE - 12/04/2024

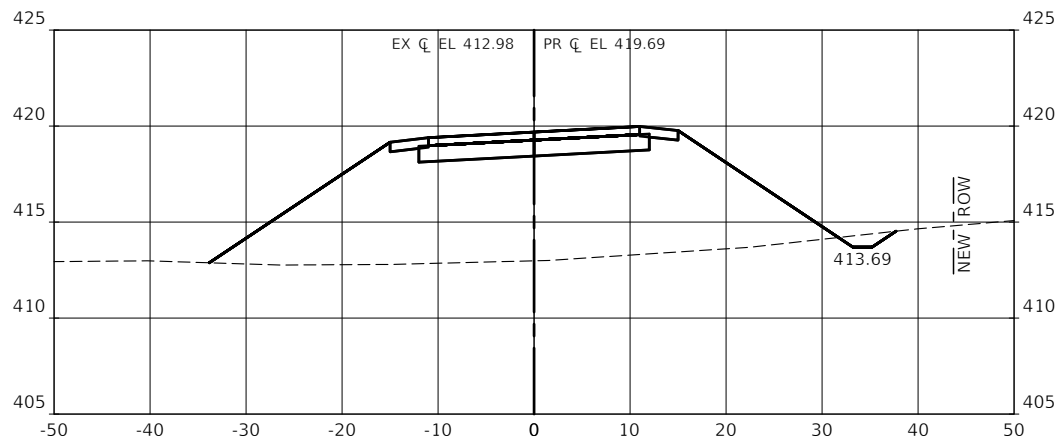
REVISED -
REVISED -
REVISED -
REVISED -

PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD AND WELLS STREET
CROSS SECTIONS

SCALE: NONE SHEET 9 OF 12 SHEETS

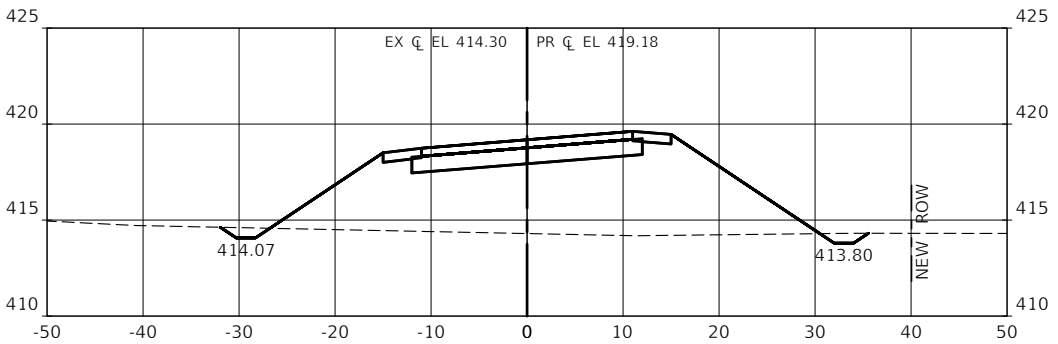
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	24
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT NO. N425(927)				



SECTION 2+00

CUT AREA: 2.57

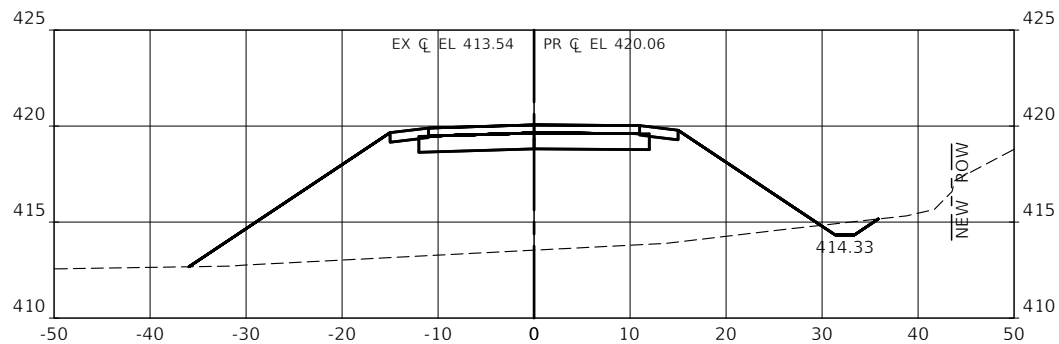
FILL AREA: 279.83



SECTION 4+00

CUT AREA: 3.68

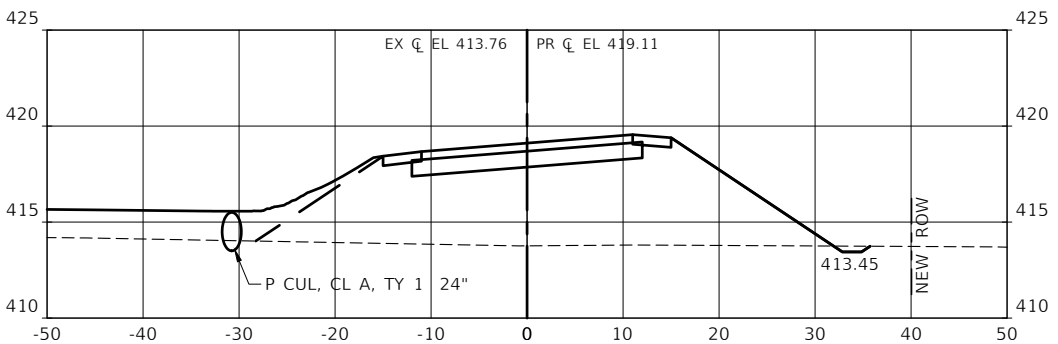
FILL AREA: 177.31



SECTION 1+50

CUT AREA: 2.58

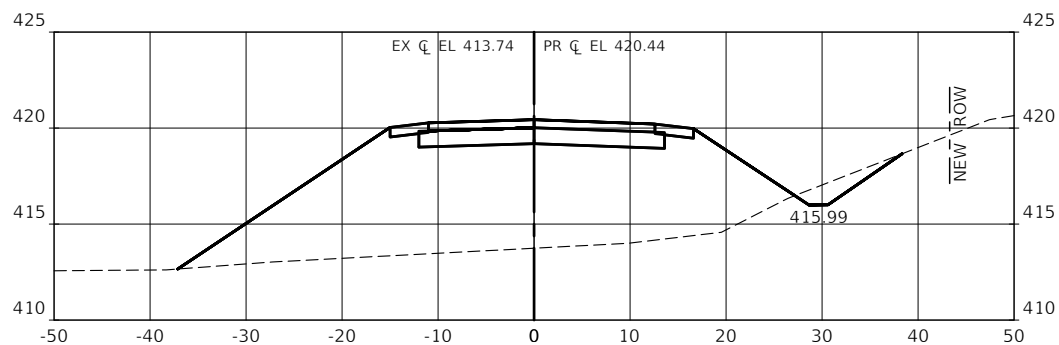
FILL AREA: 271.84



SECTION 3+50

CUT AREA: 2.74

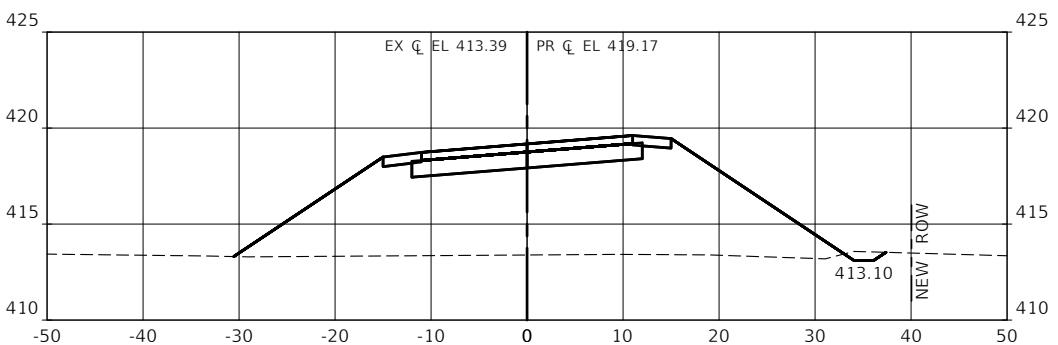
FILL AREA: 202.95



SECTION 1+00

CUT AREA: 6.91

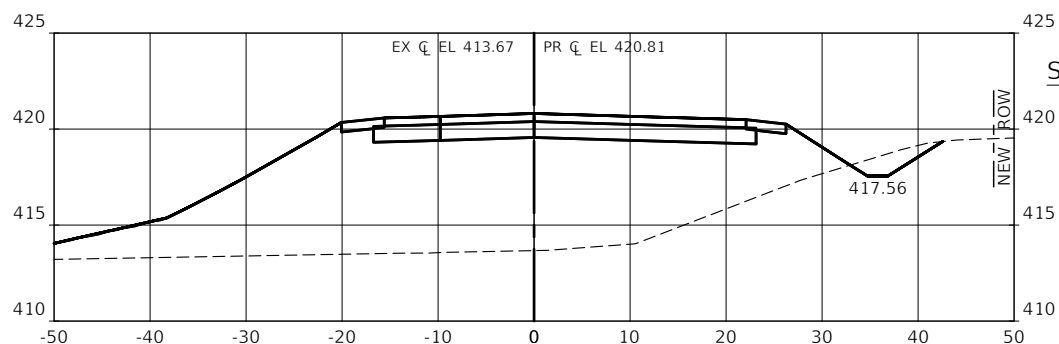
FILL AREA: 274.99



SECTION 3+00

CUT AREA: 1.48

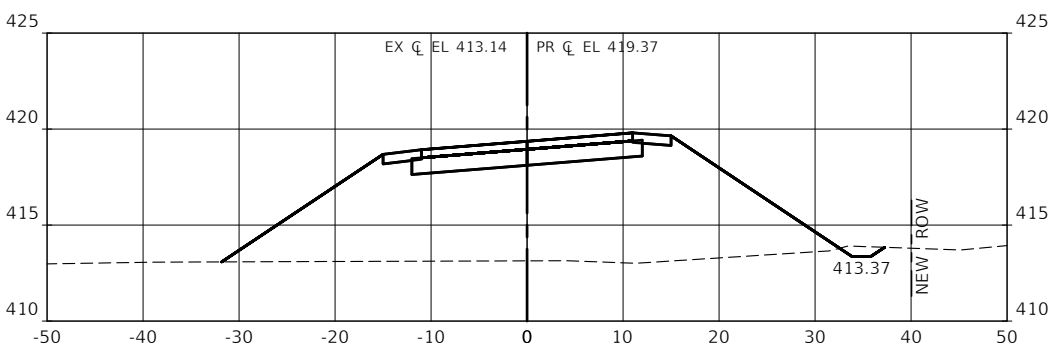
FILL AREA: 236.47



SECTION 0+50

CUT AREA: 6.50

FILL AREA: 347.03



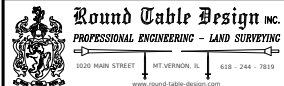
SECTION 2+50

CUT AREA: 1.75

FILL AREA: 258.77

WELLS STREET - STATION 0+50 TO STATION 4+00

MODEL: SMOELNAMES
FILE NAME: SFILES



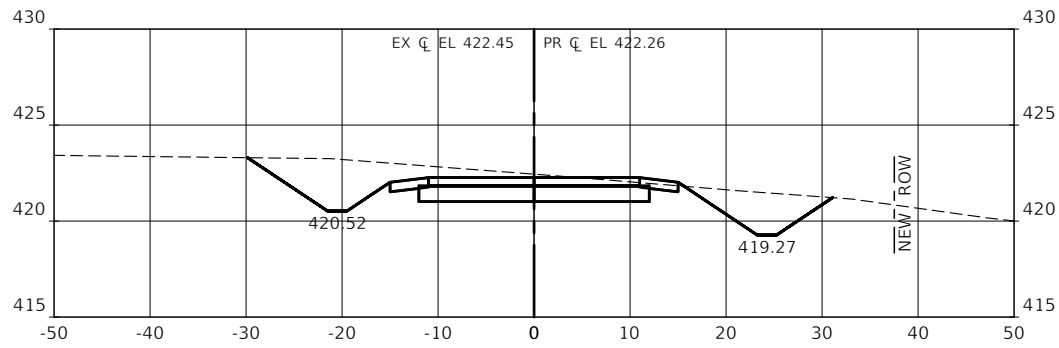
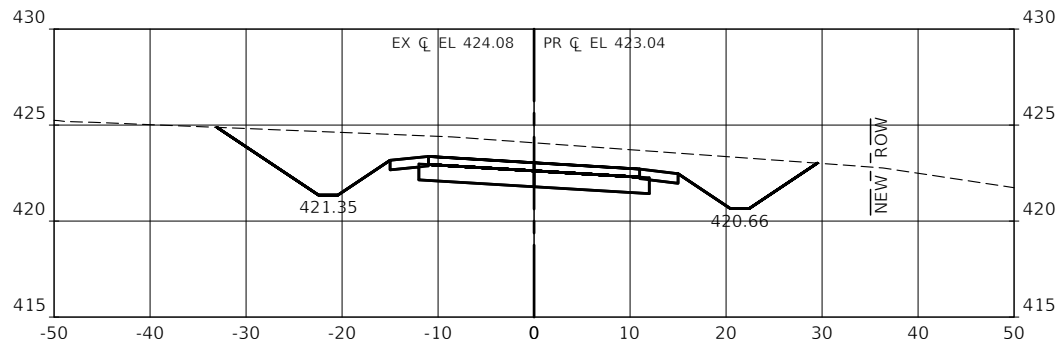
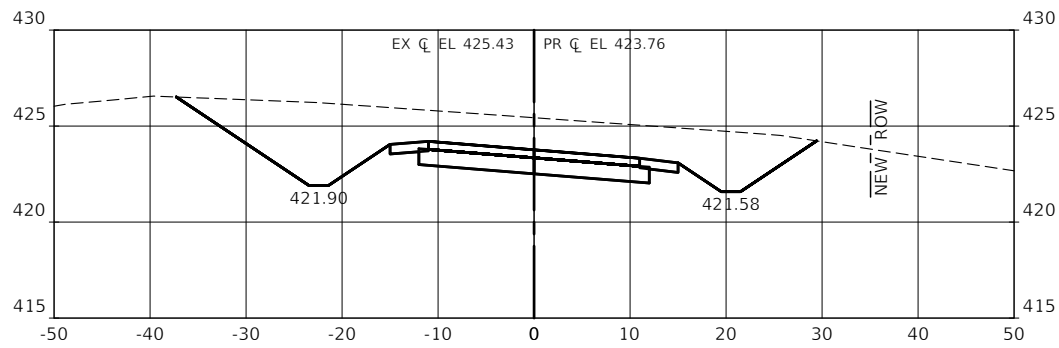
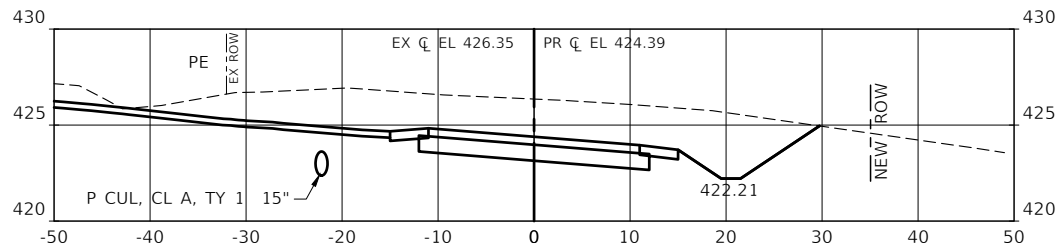
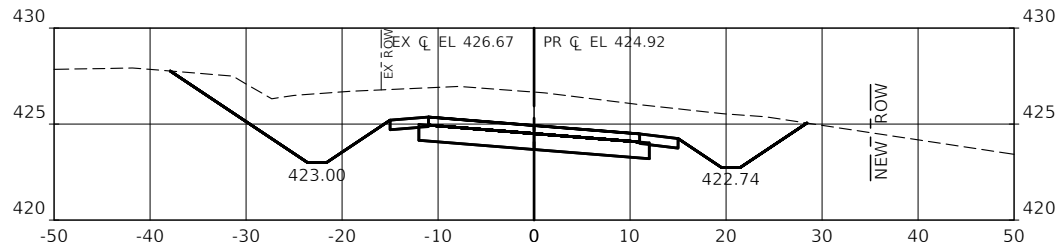
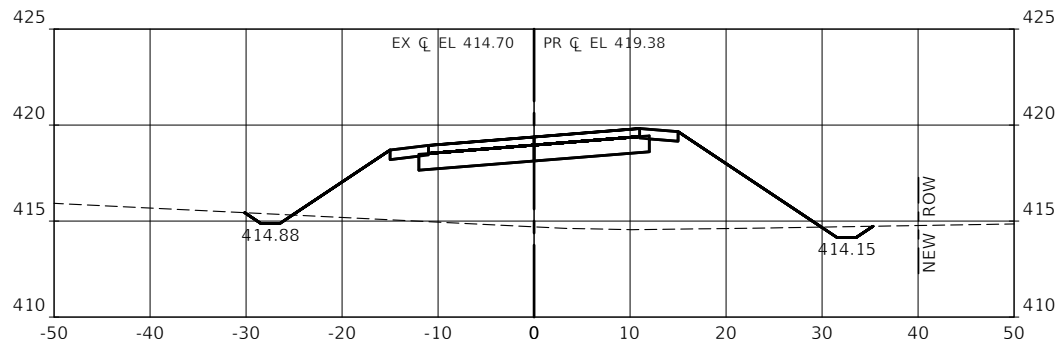
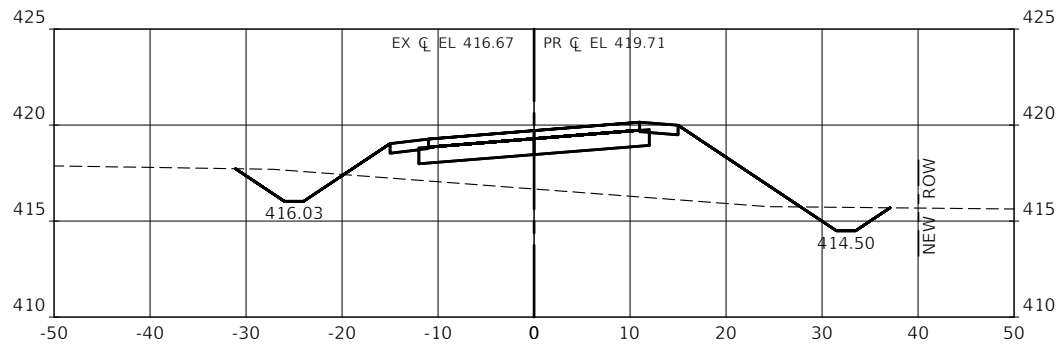
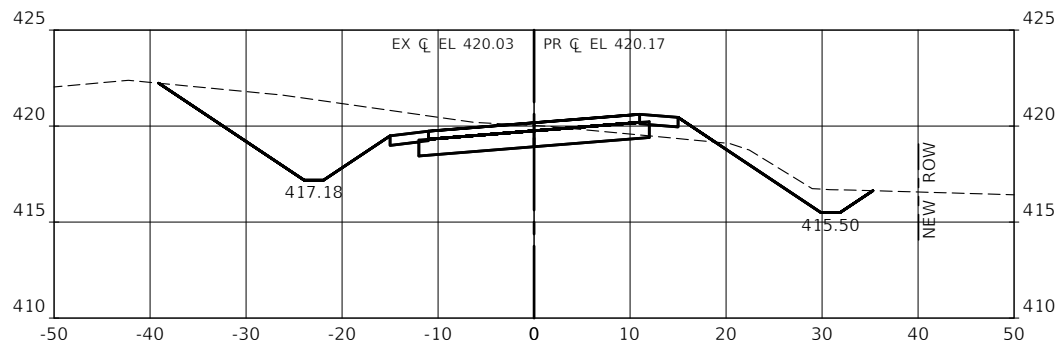
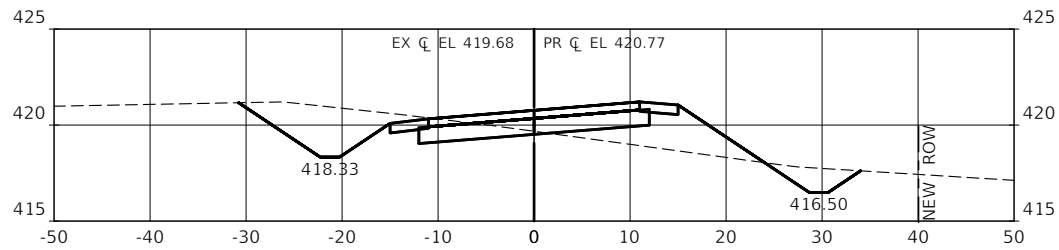
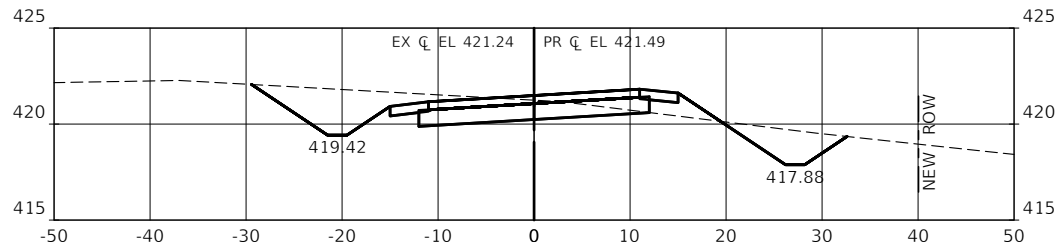
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PLOT DATE = \$DATES	DATE - 12/04/2024	REVISED -

PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD AND WELLS STREET
CROSS SECTIONS

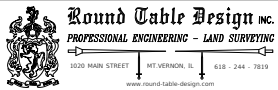
SCALE: NONE SHEET 10 OF 12 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	25
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT NO. N425(927)				



WELLS STREET - STATION 4+50 TO STATION 9+00

MODEL: SMOELNAMES
FILE NAME: SHELLS



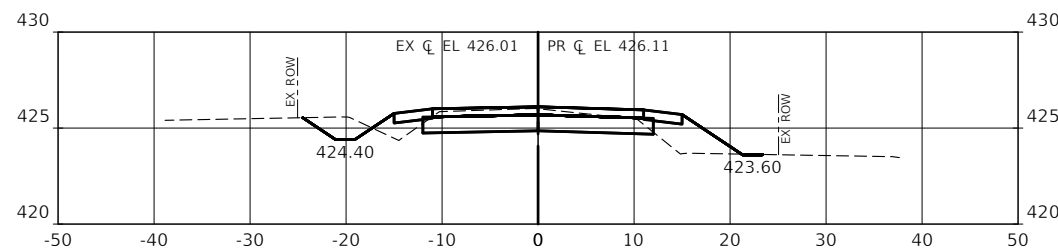
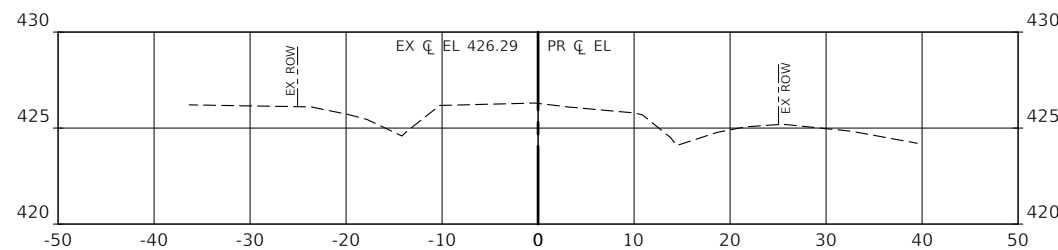
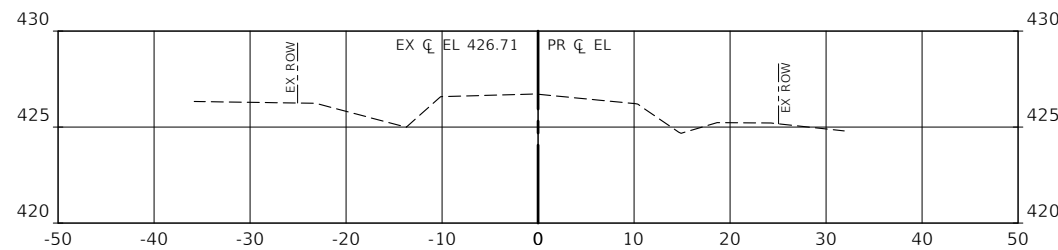
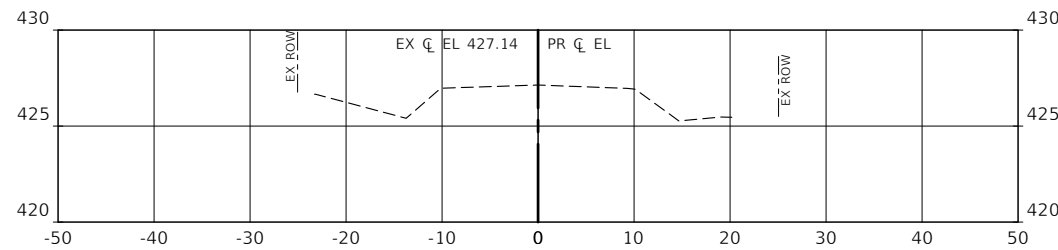
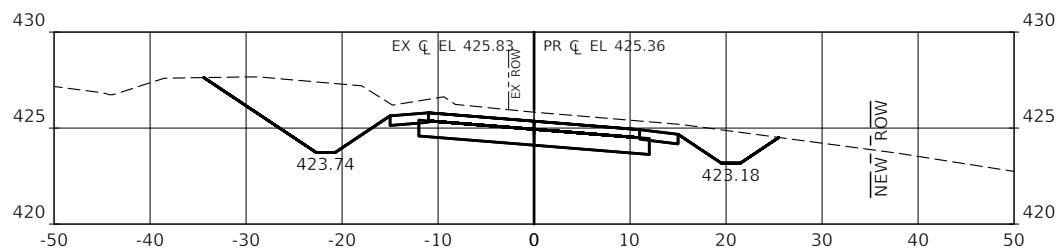
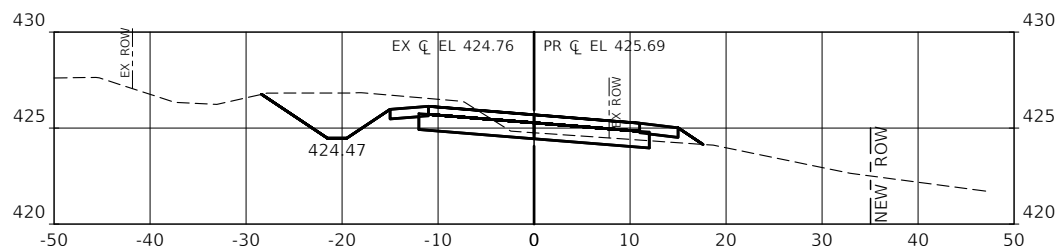
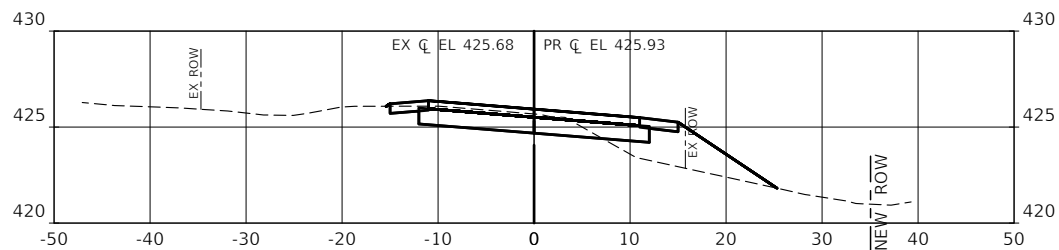
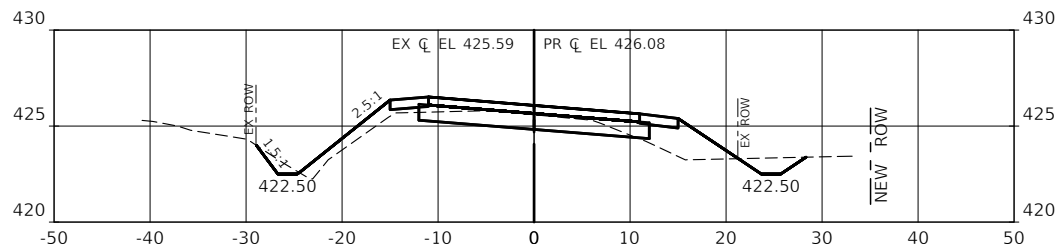
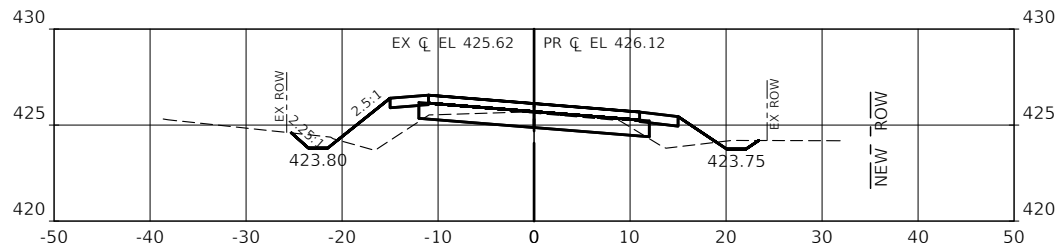
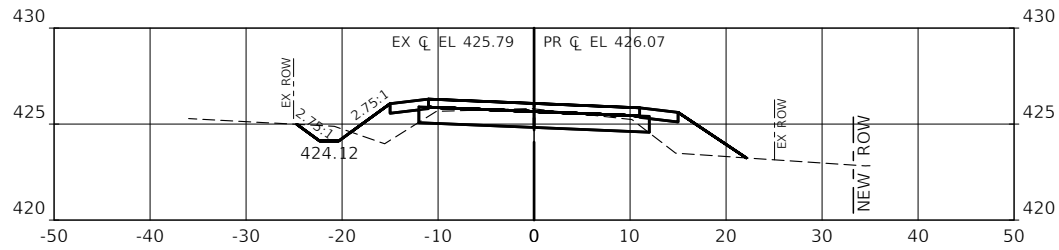
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DRAWN - RM	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED - KP	REVISED -
PLOT DATE = \$DATES	DATE - 12/04/2024	REVISED -

PERRY COUNTY
HIGHWAY DEPARTMENT

GREENS MARKET ROAD AND WELLS STREET
CROSS SECTIONS

SCALE: NONE SHEET 11 OF 12 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	26
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT NO. N425(B27)				



WELLS STREET - STATION 9+50 TO STATION 14+00

MODEL: SMOELNAMES
FILE NAME: SFILES

 Round Table Design Inc. PROFESSIONAL ENGINEERING - LAND SURVEYING 1020 MAIN STREET MT VERNON, IL 618 - 244 - 7819 www.round-table-design.com	USER NAME = \$USERS		DESIGNED - RM	REVISED - _____	PERRY COUNTY HIGHWAY DEPARTMENT	GREENS MARKET ROAD AND WELLS STREET CROSS SECTIONS				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - RM		CHECKED - KP	REVISED - _____		1824	19-00147-00-BR	PERRY	39	27				
	PLOT SCALE = \$SCALES		DATE - 12/04/2024	REVISED - _____		CONTRACT NO. 99749								
	PLOT DATE = \$DATES					ILLINOIS					FED. AID PROJECT NO. N425(B27)			
						SCALE: NONE	SHEET 12	OF 12	SHEETS					

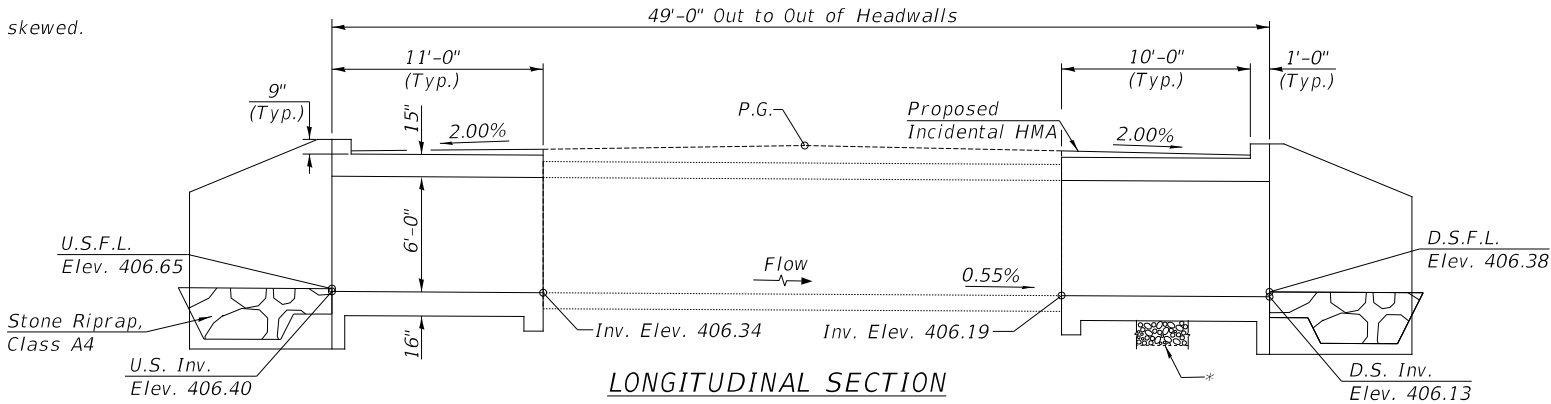
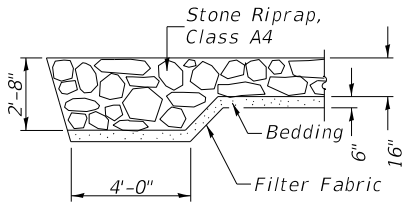
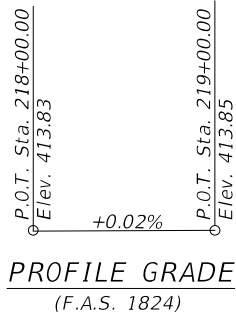
Existing Structure:
Single barrel 14'x6' precast concrete box culvert.
The structure is ~27'-0" feet in length and is not skewed.

Salvage: Structure to remain.

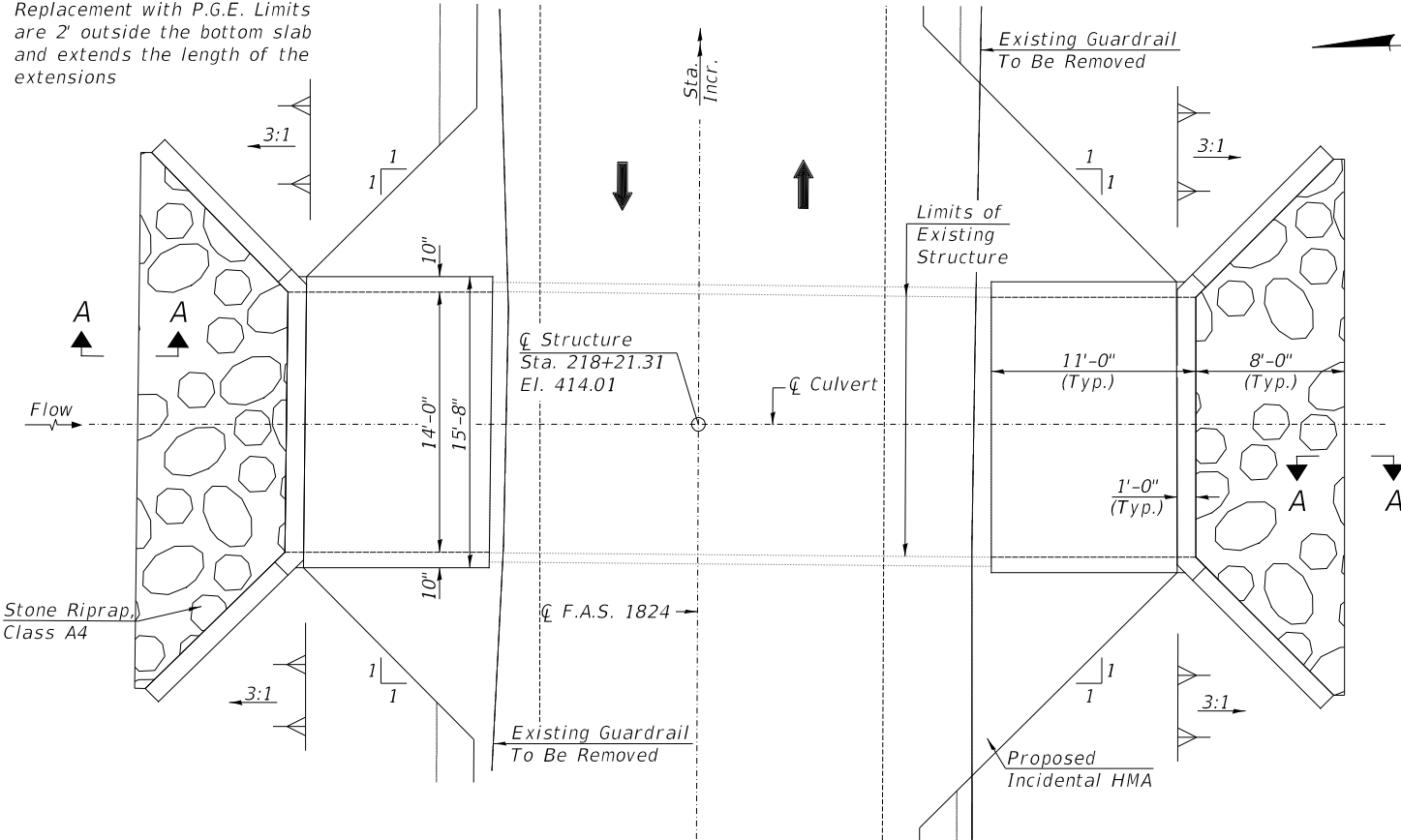
Traffic to be maintained during construction.

GENERAL NOTES

Precast culvert option will not be allowed.
All construction joints shall be bonded.
Exposed concrete edges shall have a 3/4" chamfer unless otherwise noted.
Layout of the stone riprap/slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
The barrel shall be poured monolithically with the wingwalls.
Areas of excavation required for construction of the new culvert extensions shall be backfilled with Porous Granular Embankment up to the top of slab elevation. See Special Provisions for more detailed information.
The required depth of removal and replacement of unsuitable materials may be adjusted by the Engineer to account for variable subsurface conditions.
Plan dimensions and details relative to the existing structure have been taken from existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.



*Unsuitable Material Removal and Replacement with P.G.E. Limits are 2' outside the bottom slab and extends the length of the extensions



TOTAL BILL OF MATERIAL

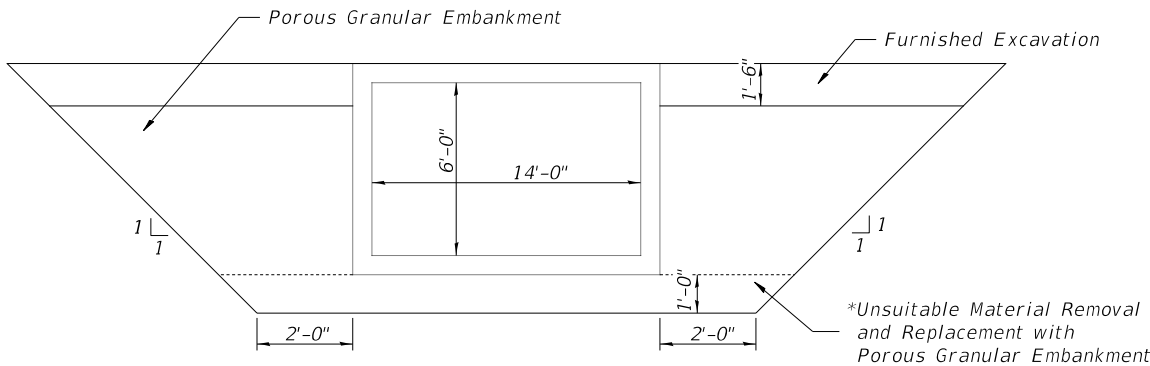
ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	CU YD	13
Furnished Excavation	CU YD	245
① Porous Granular Embankment	CU YD	50
Stone Riprap, Class A4	TON	45
Filter Fabric	SQ YD	40
Incidental Hot-Mix Asphalt Surfacing	TON	15
① Concrete Box Culverts	CU YD	58.6
Reinforcement Bars	POUND	17,710
3/4" Ø Expansion Bolts	EACH	56

① See Special Provisions



I certify that to the best of my knowledge, information and belief, this culvert 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 Standard Specification for Highway Bridges.

03/14/2025
Illinois Structural No. 8050
Expires 11/30/2026



POROUS GRANULAR EMBANKMENT DETAIL

BOX CULVERT BACKFILLING DETAIL

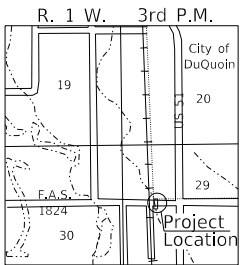
DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications,
9th Edition

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

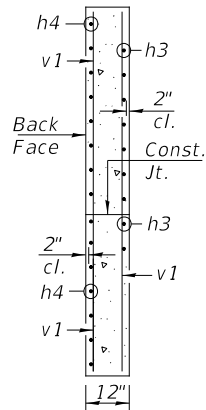
PROPOSED FIELD UNITS

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

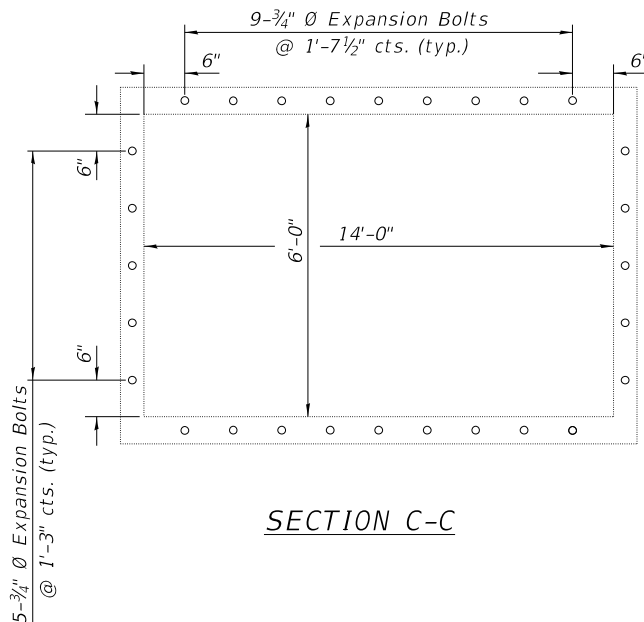


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PLOT SCALE = \$SCALES	DRAWN - JPS	REVISED -
PLOT DATE = 3/14/2025	CHECKED - ZL	REVISED -
	DATE - 03/13/2025	REVISED -

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	28
CONTRACT NO. 99749				
ILLINOIS FED. AID PROJECT N425(927)				

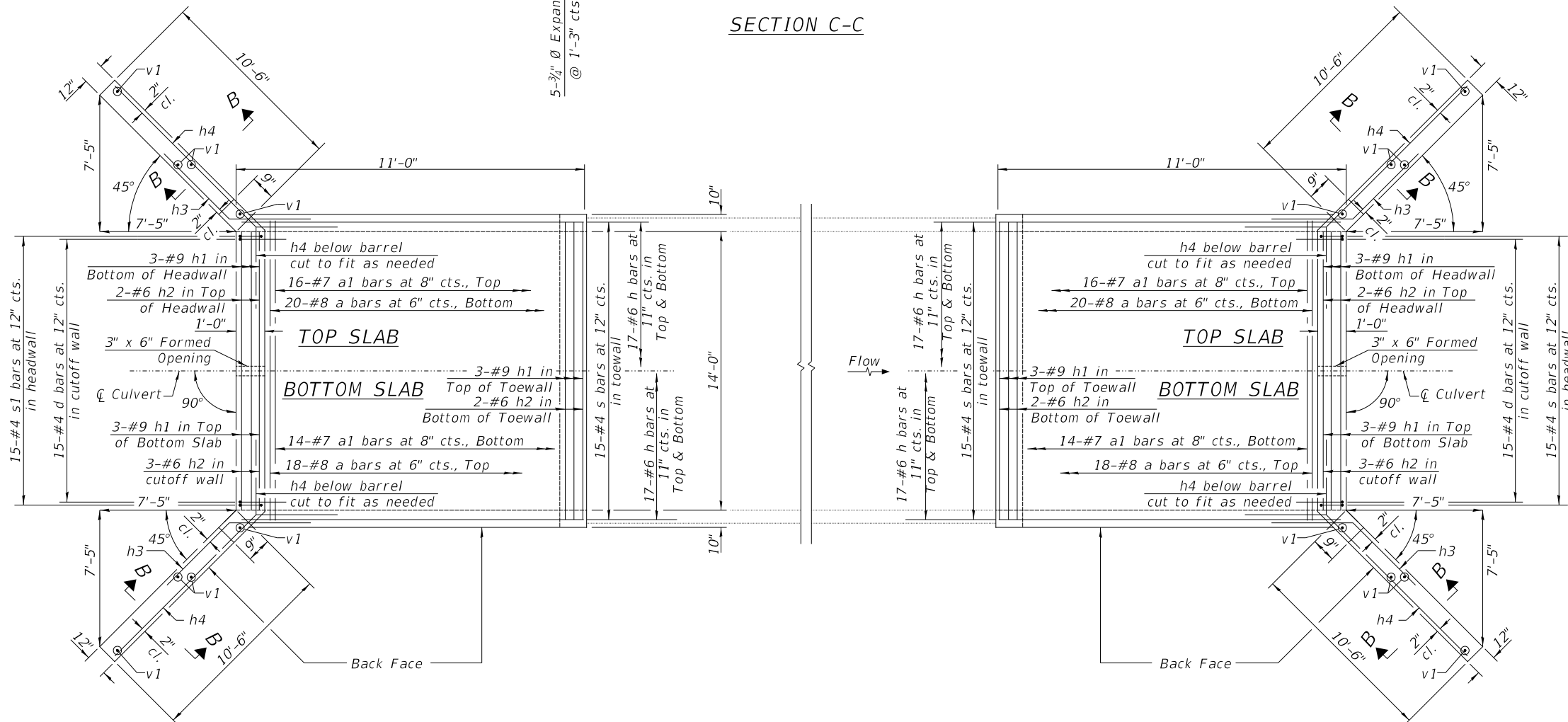


SECTION B-B

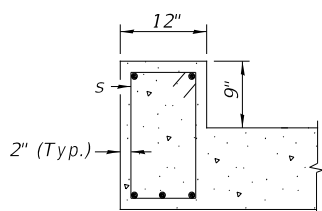


SECTION C-C

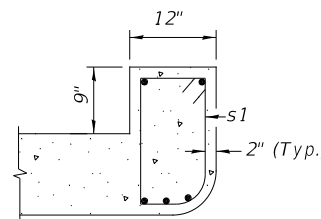
Notes: Expansion Bolts shall be $\frac{3}{4}$ " $\varnothing$ hooked bolts.
Hooked bolts shall extend a minimum of 9" into new concrete.
See Sheet No. 3 of 3 for Section C-C location.



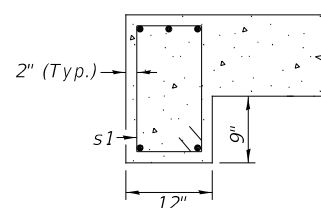
Note: Protective Coat shall be applied to the top of the top slab where it will be exposed.



TYPE 2 HEADWALL



TYPE 1 HEADWALL

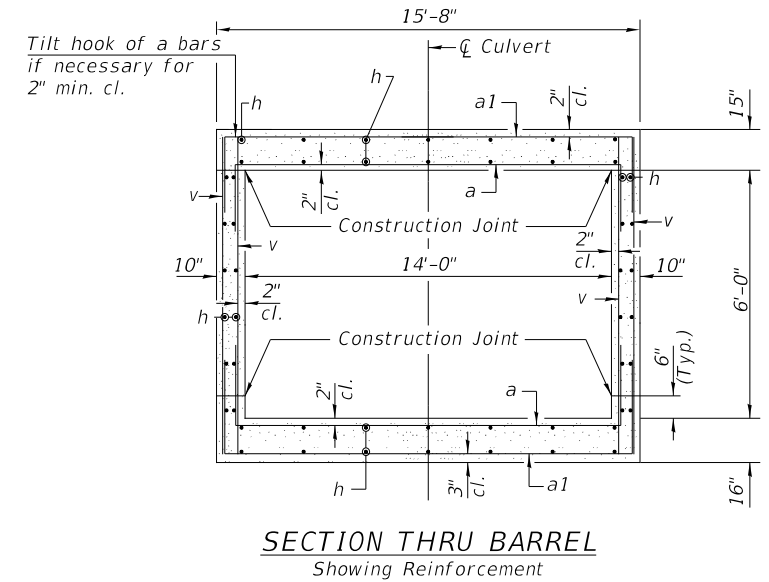
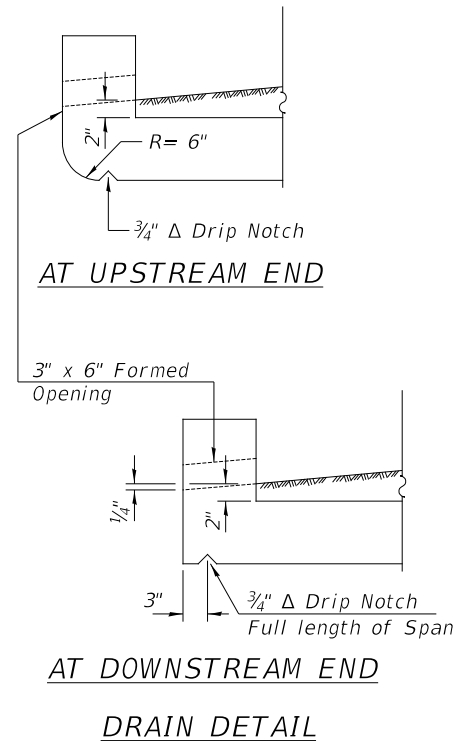
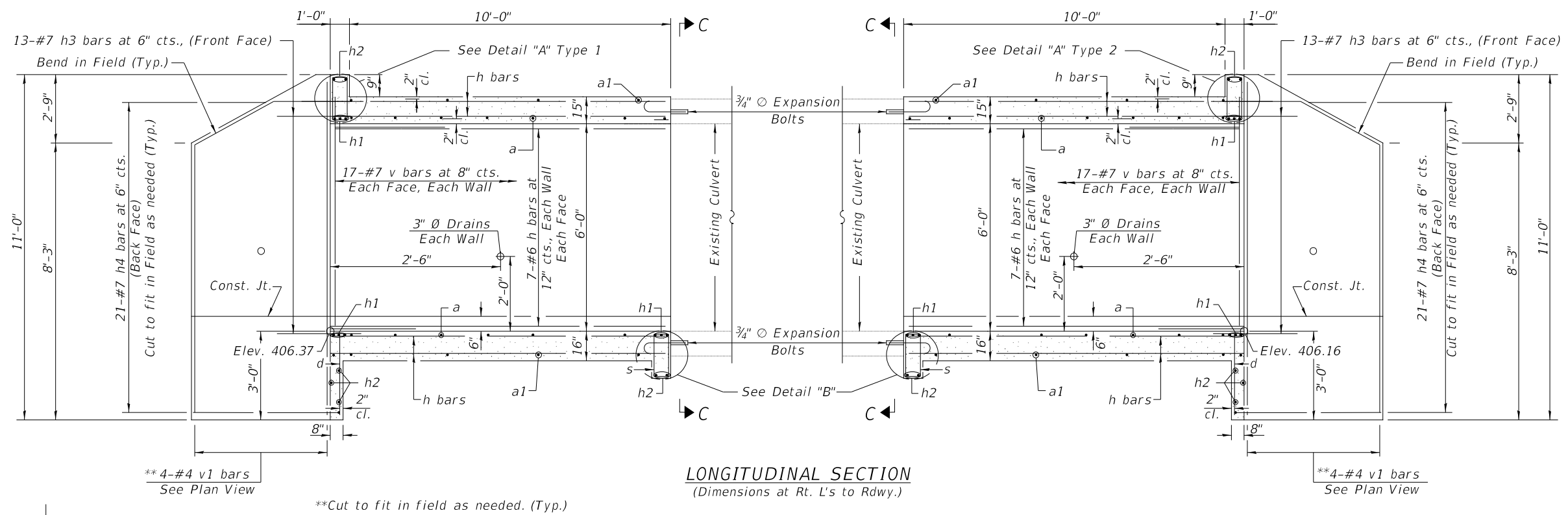


TOEWALL

DETAIL A

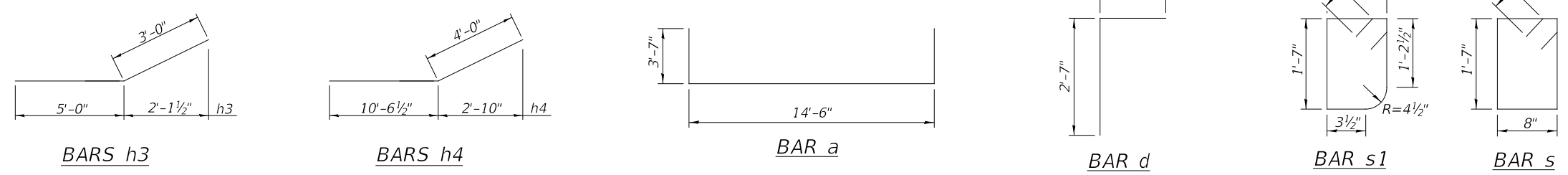
DETAIL B

Note: See Sheet No. 3 of 3 for Detail A location.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	76	#8	21'-8"	□
a1	60	#7	24'-4"	□
d	30	#4	4'-5"	□
h	192	#6	10'-8"	—
h1	18	#9	14'-10"	—
h2	14	#6	14'-10"	—
h3	52	#7	8'-0"	—
h4	84	#7	14'-7"	—
s	45	#4	5'-3"	□
s1	15	#4	5'-1"	□
v	136	#7	8'-2"	—
v1	16	#4	10'-6"	—
Concrete Box Culverts			CU YD	58.6
Reinforcement Bars			POUND	17,710
3/4" Ø Expansion Bolts			EACH	56



MODEL: Default
FILE NAME: 101963 - Greens Market Rd Shoulders - HSP (Perry)CADD/CADD Sheets4962-Culvert Extension.dgn
2025

Control Points (Iron Pin)					
No.	Location	Road	Northing	Easting	Elevation
1	1.56' Lt Sta 187+76.13	Greens Mkt	476801.987	2561371.275	414.345
2	10.55' Rt. Sta 190+78.23	Greens Mkt	476789.673	2561673.347	417.501
3	253.70' Lt Sta 2+28.10	Wells St	477021.485	2561521.270	422.130

B.M.: RR Spike in Power Pole
Sta. 15+76, 23' Lt.
Elev. 697.06

RR Spike in Power Pole
Sta. 15+76, 23' Lt.
Elev. 697.06

Existing Structure:

Single span precast reinforced channel beam superstructure on closed abutments with timber piles. The structure is 30'-0" back to back of abutments, 26'-4" out to out of deck, and is skewed 40° Rt. Ah. The structures construction date is unknown. Str. No. 073-3027

Salvage: None

Road to be closed to traffic during construction.

SIXMILE CREEK
BUILT 202 BY
PERRY COUNTY
SEC. 19-00147-00-BR
F.A.S. 1824 STATION 190+12.50
F.A. PROJ. NO. N425(927)
STR. NO. 073-3198 LOADING HL-93

NAME PLATE

Locate Name Plate at S.W. Wingwall
Corner of Bridge (See Std. 515001)

GENERAL NOTES

For Soil Boring Logs, See Special Provisions.
A Corrosion Inhibitor shall be used in the concrete for Precast Prestressed Concrete Deck Beams according to Article 1020.05(b)(10) of the Standard Specifications.
Reinforcement Bars shall conform to the requirements of ASTM A706 Grade 60. Reinforcement Bars designated (E) shall be epoxy coated.
Layout of the slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
The existing structural steel coating may contain lead. The contractor should take appropriate precautions to deal with the presence of lead on this project.
Excavation behind the existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.
The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

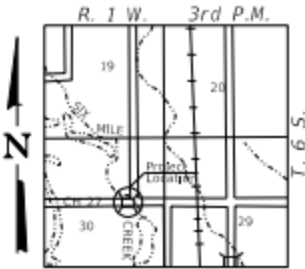
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	CU YD	—	760	760
Stone Riprap, Class A4	TON	—	285	285
Filter Fabric	SQ YD	—	450	450
Hot-Mix Asphalt Surface Course, IL 9.5, Mix "C", N70	TON	37	—	37
Bituminous Materials (Tack coat)	POUND	75	—	75
① Removal of Existing Structures	EACH	—	—	1
Concrete Structures	CU YD	—	42.8	42.8
Structure Excavation	CU YD	—	70	70
Precast Prestressed Concrete Deck Beams (33" Depth)	SQ FT	2,895	—	2,895
Reinforcement Bars	POUND	—	4,640	4,640
① Steel Railing, Type SM (Special)	FOOT	166	—	166
Furnishing Steel Piles HP10x42	FOOT	—	336	336
Driving Piles	FOOT	—	336	336
Pile Shoes	EACH	—	14	14
Test Pile Steel HP10x42	EACH	—	2	2
Concrete Encasement	CU YD	—	5	5
Name Plates	EACH	—	1	1
Terminal Marker - Direct Applied	EACH	2	—	2
① Porous Granular Embankment	CU YD	—	40	40
Waterproofing Membrane System	SQ YD	332	—	332

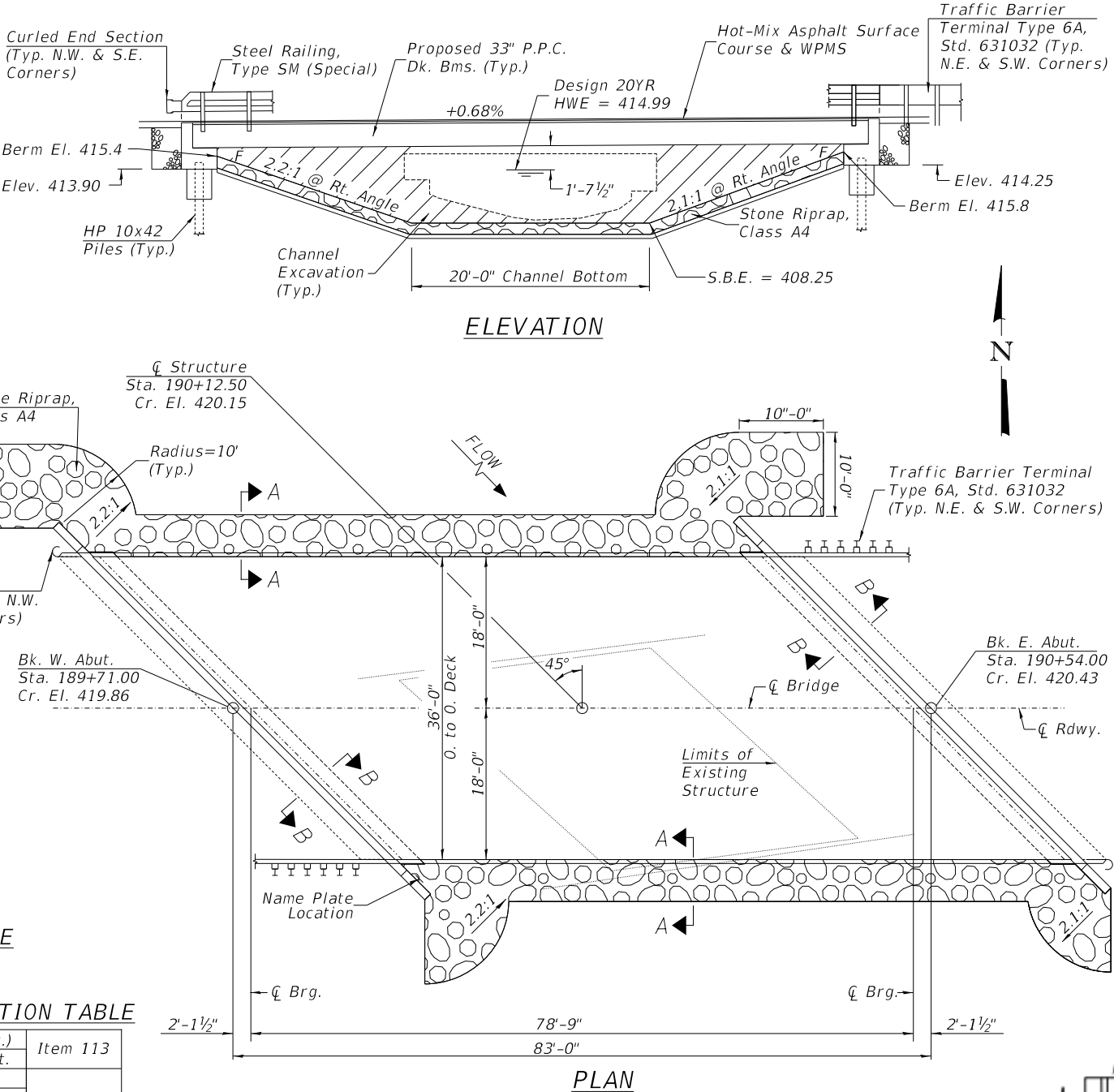
① See Special Provisions

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 Standard Specification for Highway Bridges.
This design complies with all requirements of the current AASHTO Guide Specifications for Seismic Design of highway bridges.

Illinois Structural No. 6527
Expires 11/30/2026



LOCATION SKETCH



ELEVATION

PLAN

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

LOADING HL-93

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

DESIGN STRESSES

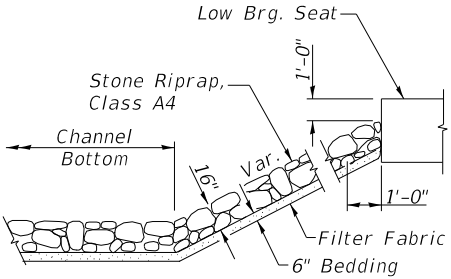
(PRECAST PRESTRESSED UNITS) (FIELD UNITS)
f'c = 6,000 p.s.i. f'c = 3,500 p.s.i.
f'ci = 5,000 p.s.i. fy = 60,000 p.s.i. (Rein.)
f's = 270,000 p.s.i. (1/2" Strands)
f'si = 201,960 p.s.i. (1/2" Strands)

DESIGN SCOUR ELEVATION TABLE

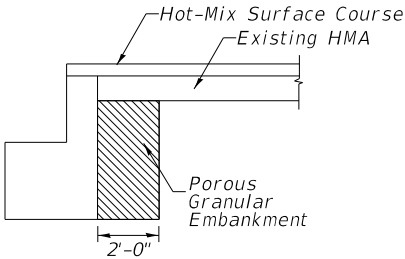
Design Scour Elevations (ft.)		Item 113
Q100	W. Abut.	
Q200	E. Abut.	
Design	Exist.	
Check	Prop.	
413.9	414.3	8
413.9	414.3	
413.9	414.3	
413.9	414.3	

WATERWAY INFORMATION

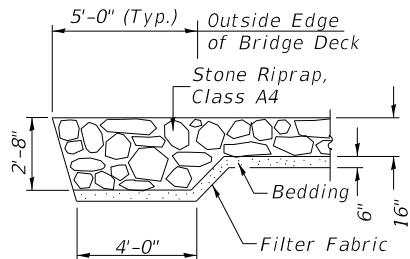
Drainage Area = 4.25 Sq. Mi.		Low Grade Elev. = 417.13 @ Sta. 184+37.30							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater El.	Exist.	Prop.	Exist.
Design	20	966	120	233	414.99	2.02	0.68	417.01	415.67
Base	100	1,380	120	254	415.42	1.84	0.97	417.26	416.39



STONE RIPRAP DETAIL



SECTION B-B

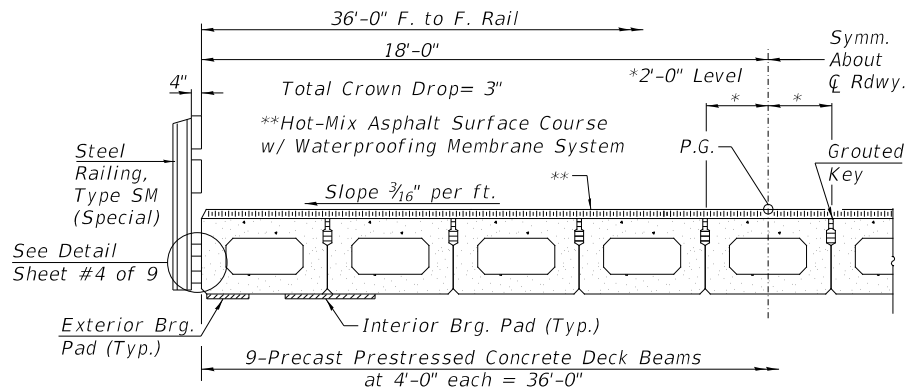


SECTION A-A

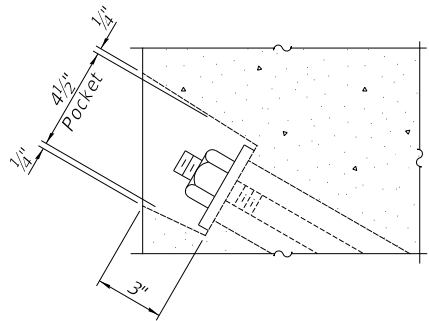
PROFILE GRADE
F.A.S. 1824

USER NAME = JSavage	DESIGNED - ZL	REVISED -
PLOT SCALE = \$SCALES	DRAWN - ZL/JPS	REVISED -
PLOT DATE = 2/24/2025	CHECKED - JPS/IBAN	REVISED -
	DATE - 02/24/2025	REVISED -

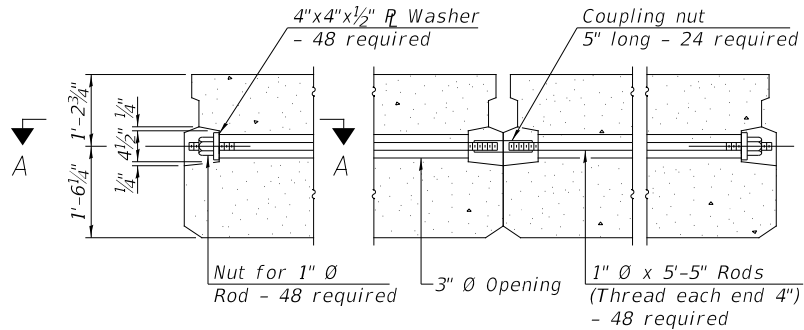
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	31
SN 073-3198		CONTRACT NO. 99749		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT N425(927)		



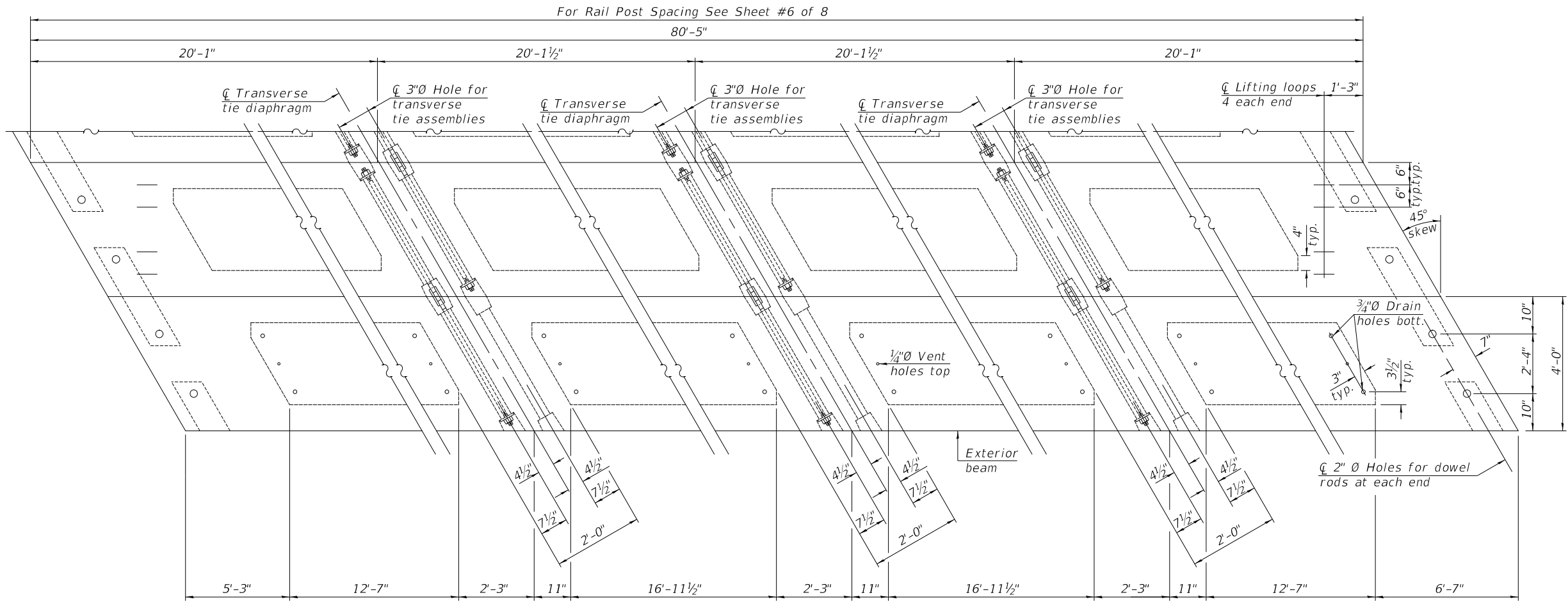
HALF CROSS SECTION



SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY



PLAN VIEW

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

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" Ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to ASTM A706, Grade 60.

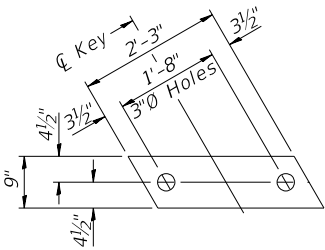
Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

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

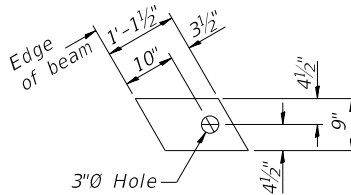
Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.



1/2" FABRIC BEARING PAD
(Interior) 16 Required



1/2" FABRIC BEARING PAD
(Exterior) 4 Required

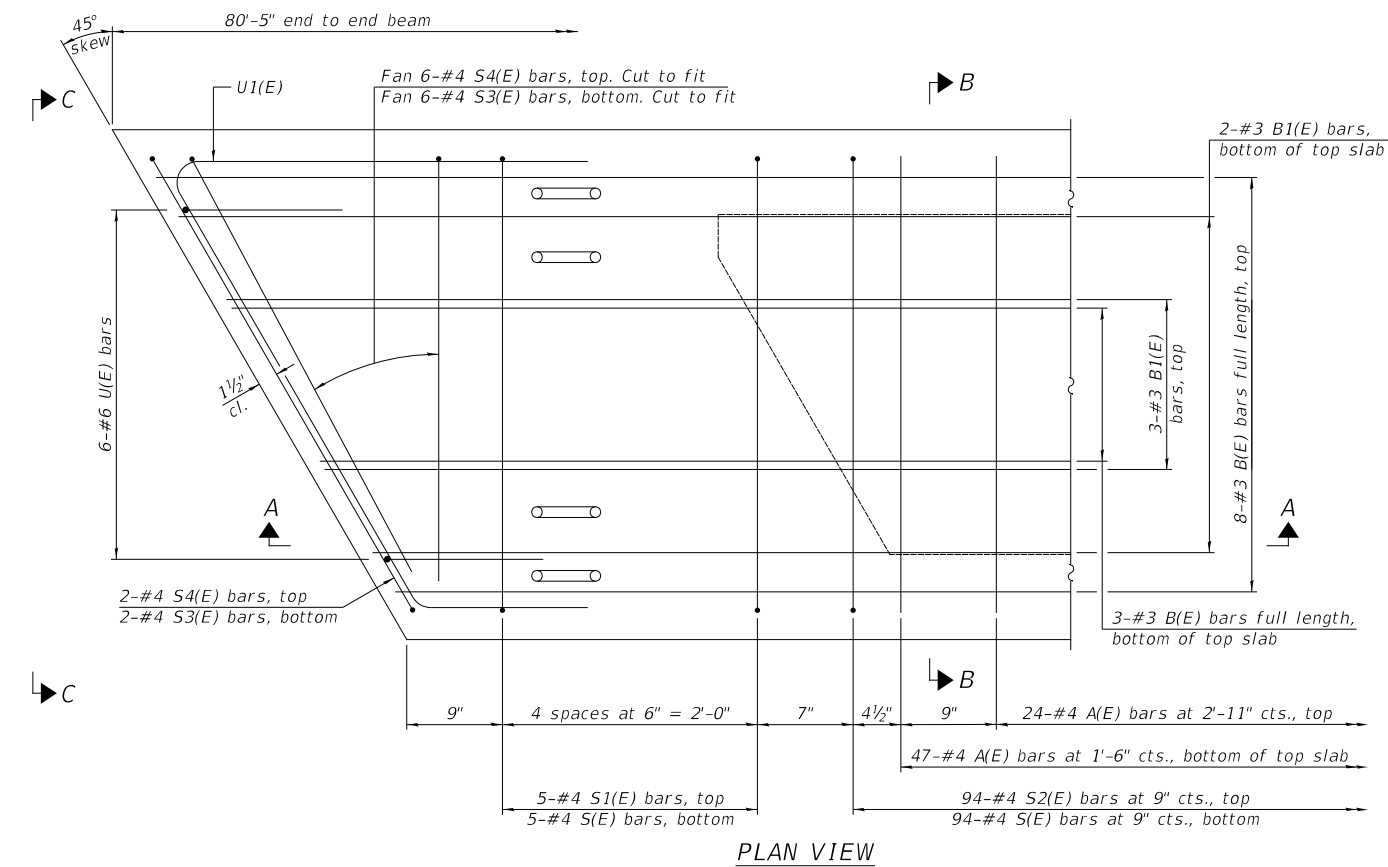
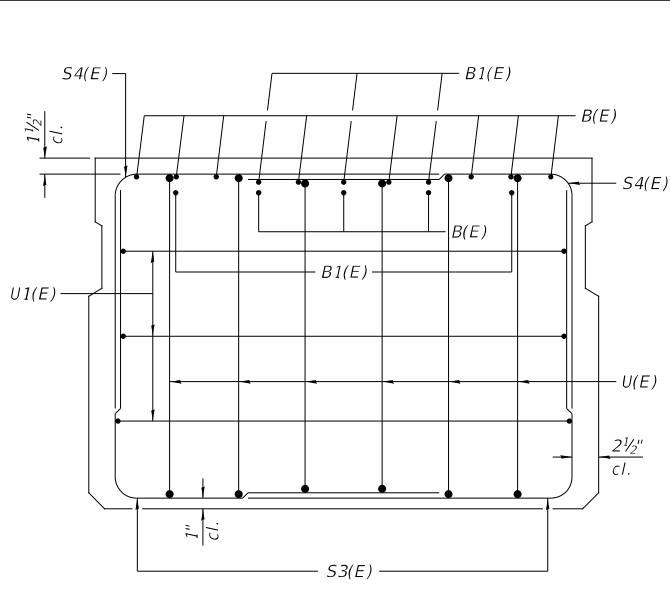
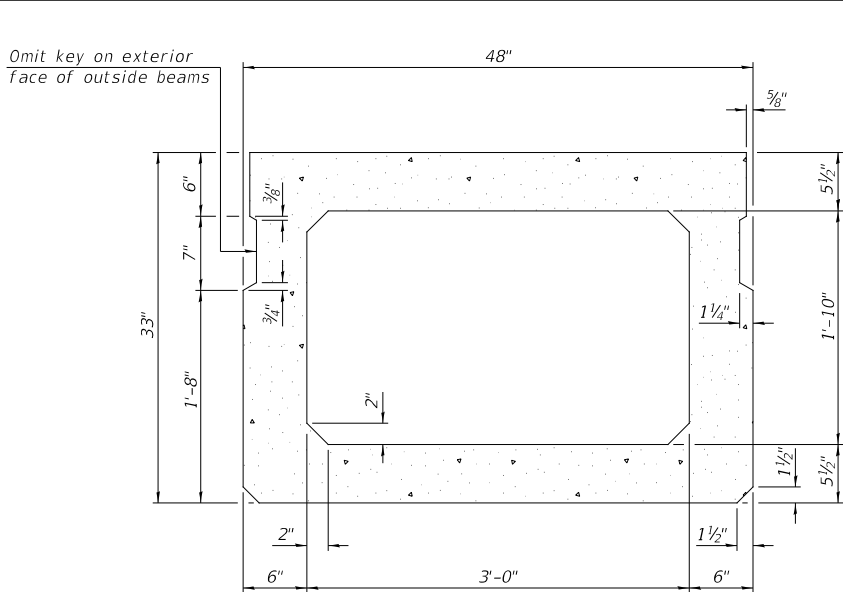
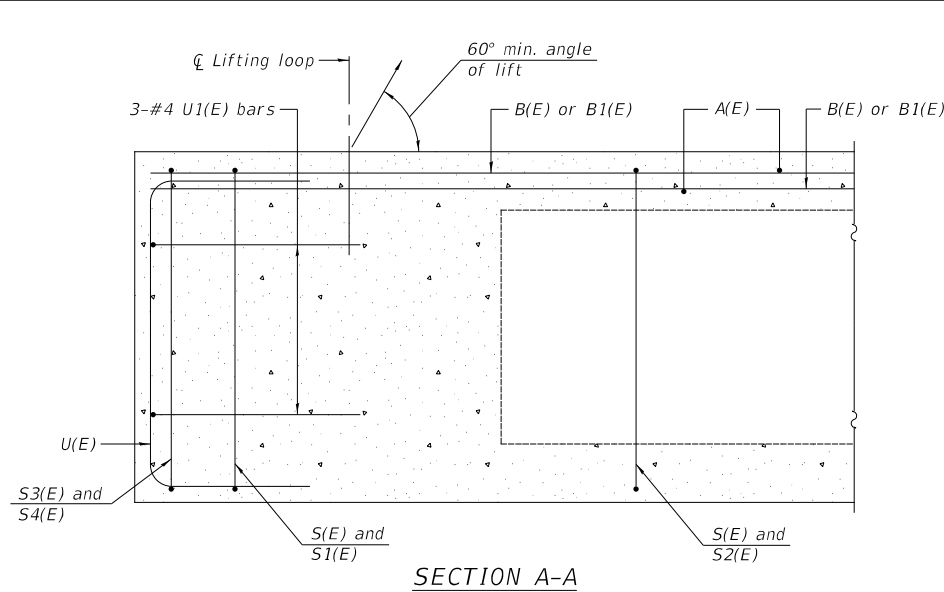
FIXED

BILL OF MATERIAL

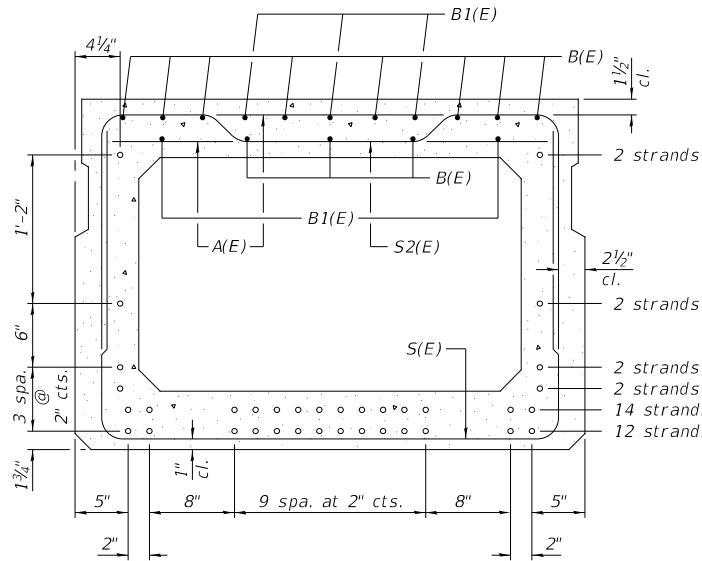
ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (33" Depth)	SQ FT	2,895

USER NAME = JSavage	DESIGNED - ZL	REVISED -
	DRAWN - ZL/JPS	REVISED -
PLOT SCALE = \$SCALES\$	CHECKED - JPS/BAN	REVISED -
PLOT DATE = 2/24/2025	DATE - 01/2025	REVISED -

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	32
SN 073-3198		CONTRACT NO. 99749		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT N425(927)		



SECTION B-B
(Showing dimensions)



SECTION B-B

34-1/2"Ø Strands Each Strand Stressed to 30,900 Lbs.
12-Strands 1 3/4" up, 14-Strands 3 3/4" up, 2-Strands 5 3/4" up,
2-Strands 7 3/4" up, 2-Strands 1-1 3/4" up, 2-Strands 2-3 3/4" up
Note:
Place the number of strands specified in each row
symmetrically about the centerline of beam in the
permissible strand locations shown.

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.

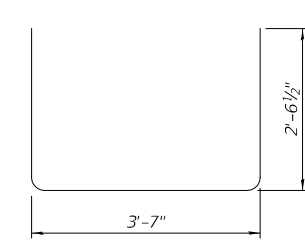
BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	72	#4	3'-7"	—
B(E)	11	#3	*80"-2"	—
B1(E)	10	#3	10'-0"	—
S(E)	105	#4	8'-8"	┐
S1(E)	10	#4	7'-5"	┐
S2(E)	94	#4	7'-8"	┐
S3(E)	16	#4	6'-3"	┐
S4(E)	16	#4	5'-7"	┐
U(E)	12	#6	5'-10"	┐
U1(E)	6	#4	11'-0"	┐

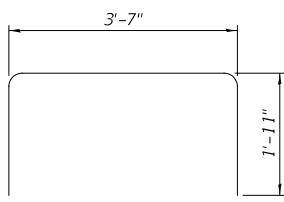
Note:
See sheet 2 of 9 for additional
details and Bill of Material.

*Total length, lap as necessary.

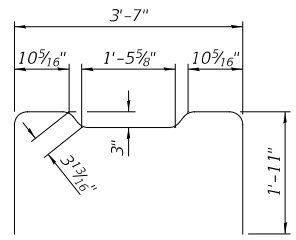
MINIMUM BAR LAP
#3 bar = 1'-6"



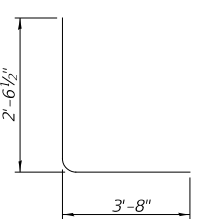
BAR S(E)



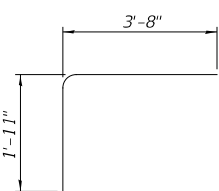
BAR S1(E)



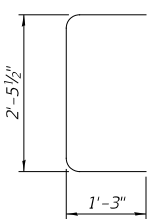
BAR S2(E)



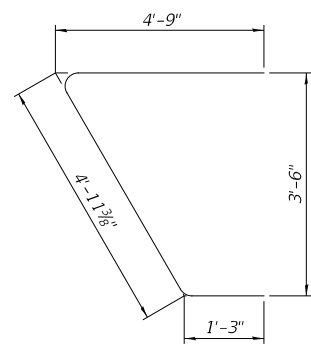
BAR S3(E)



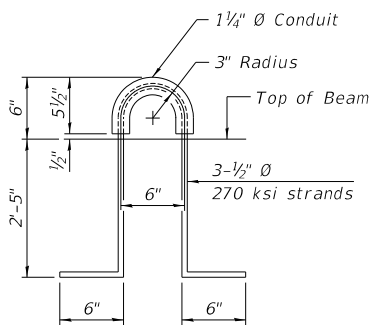
BAR S4(E)



BAR U(E)

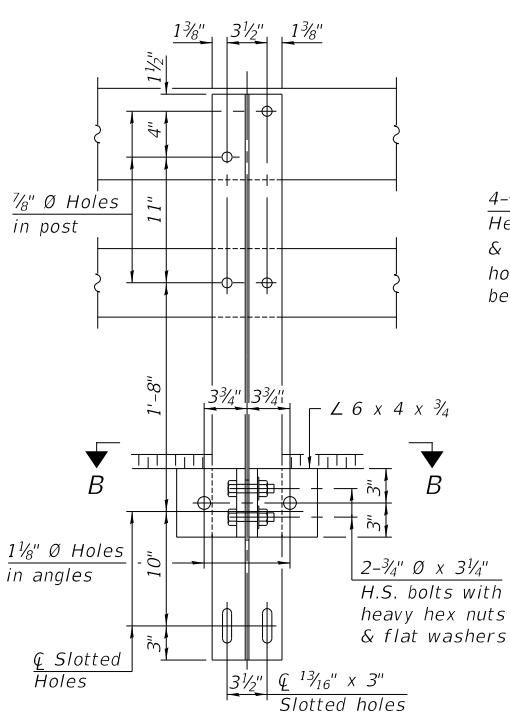


BAR U1(E)

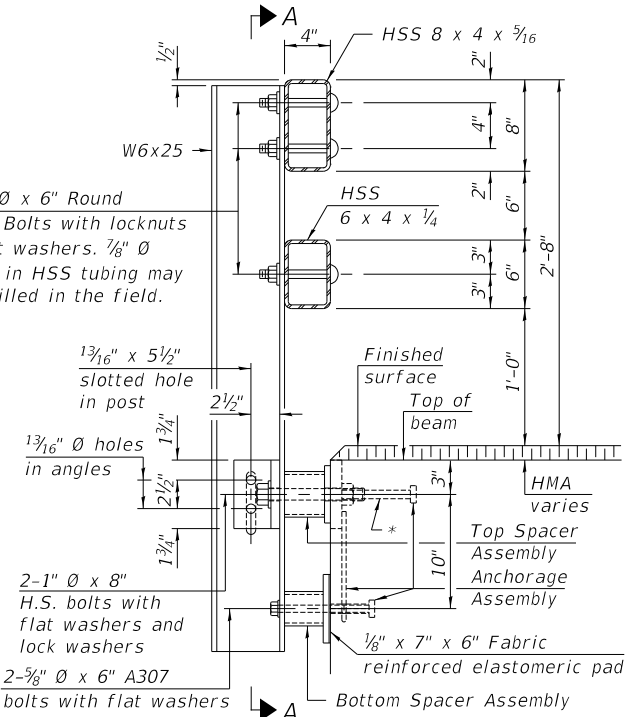


LIFTING LOOP DETAIL

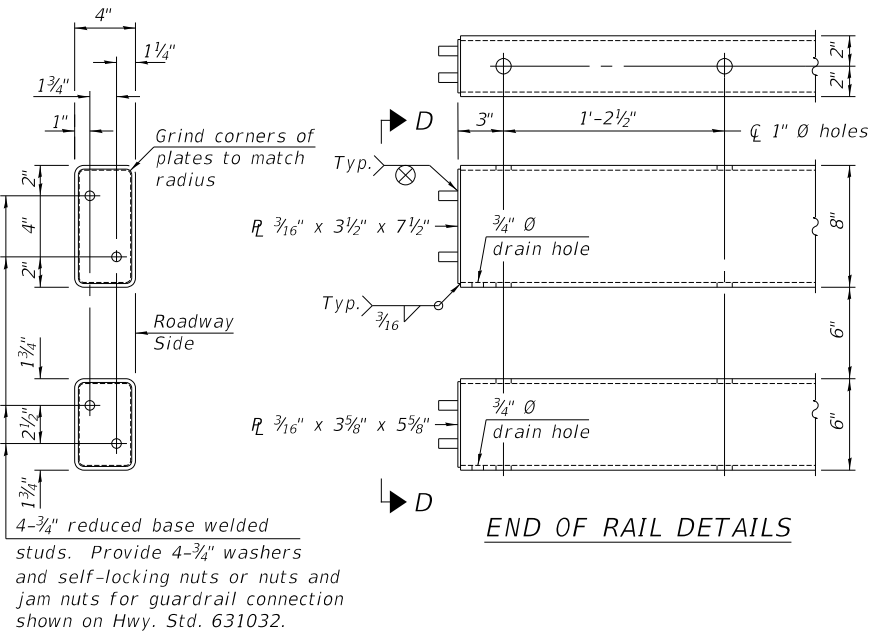
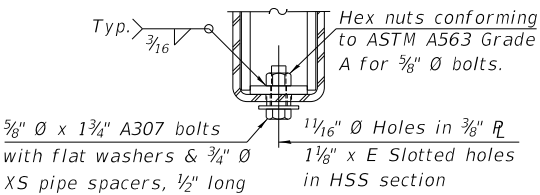
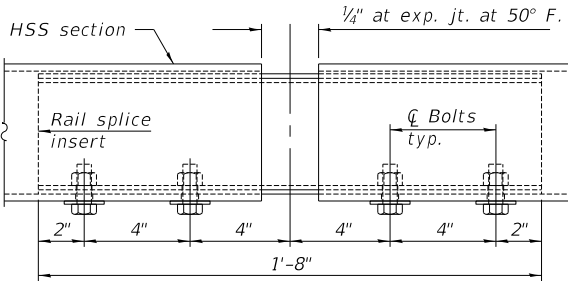
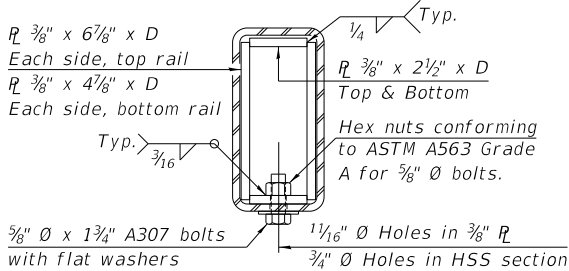
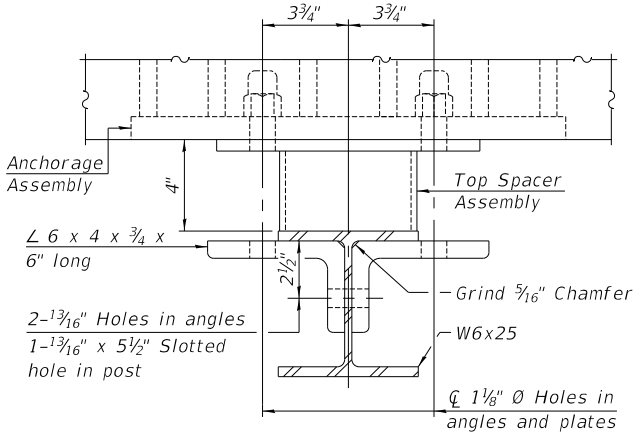
Notes:
A sufficient number of shims of various thicknesses, sized to fit behind the top spacer assembly, 5" x 11 1/2", and bottom spacer assembly, 6" x 7", shall be provided to adjust posts for proper alignment. If the summation of shims is greater than 1/4" (top) or 1/2" (bottom), longer bolts are required. Cost included with Steel Railing, Type SM.
All steel rail elements including shims shall be galvanized according to Article 509.05 of the Standard Specifications.
All HSS tubing serving as railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.
Rail splice inserts may be built out of 2 - 3/8" bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched.
All round head bolts shall be ASTM A307 with locknuts according to ASTM A563 grade A.



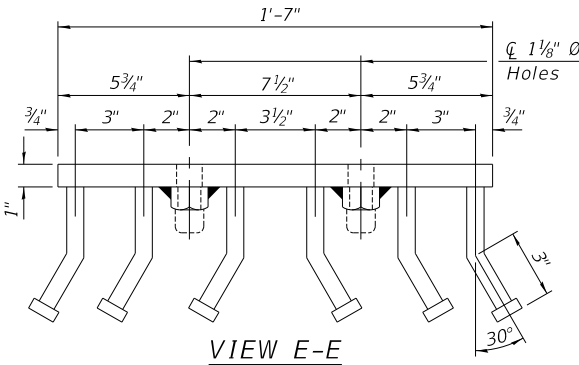
4-3/4" Ø x 6" Round
Head Bolts with locknuts
& flat washers. 7/8" Ø
holes in HSS tubing may
be drilled in the field.



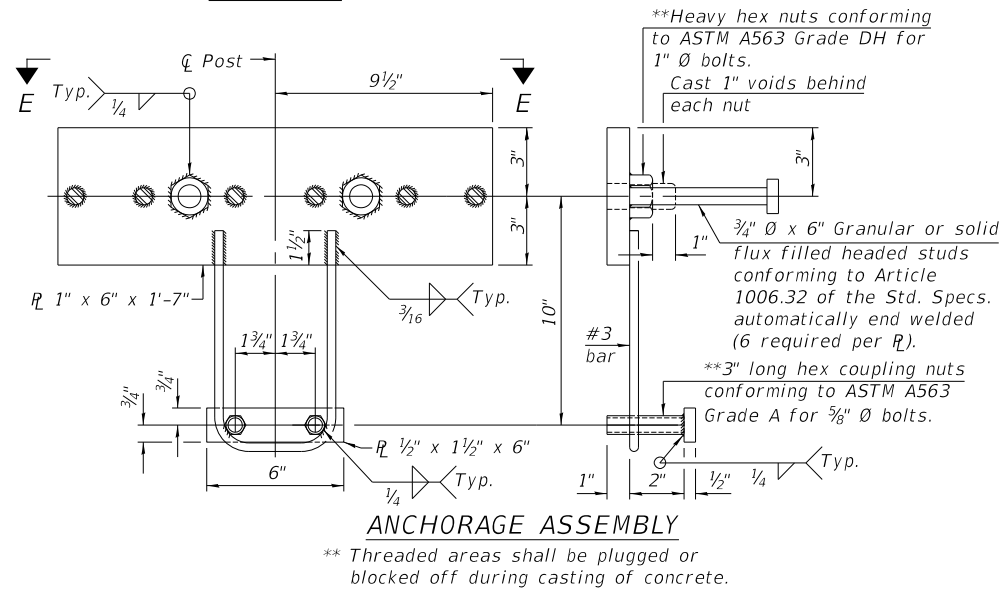
* The outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchorage assembly. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.



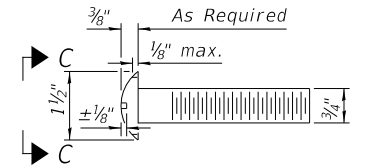
VIEW D-D



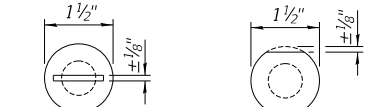
VIEW E-E



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

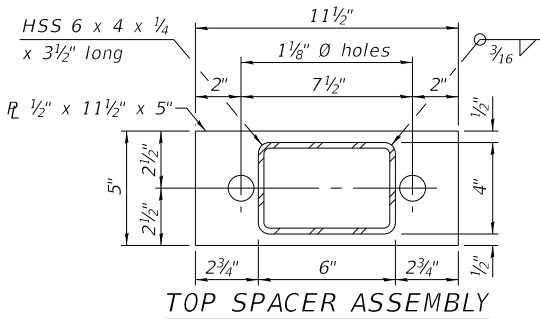


ROUND HEAD BOLT DETAIL

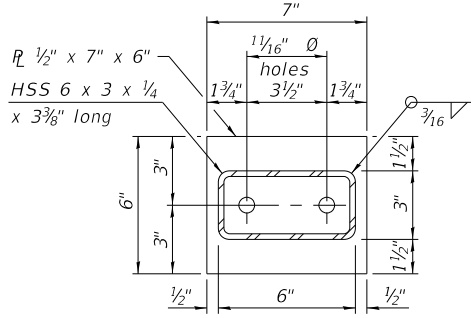


With Slot (shown) or Approved Recess
Without Slot or Recess

VIEW C-C



TOP SPACER ASSEMBLY



BOTTOM SPACER ASSEMBLY

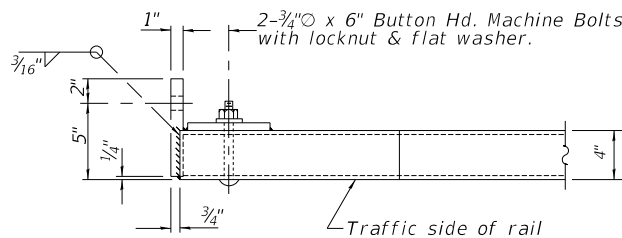
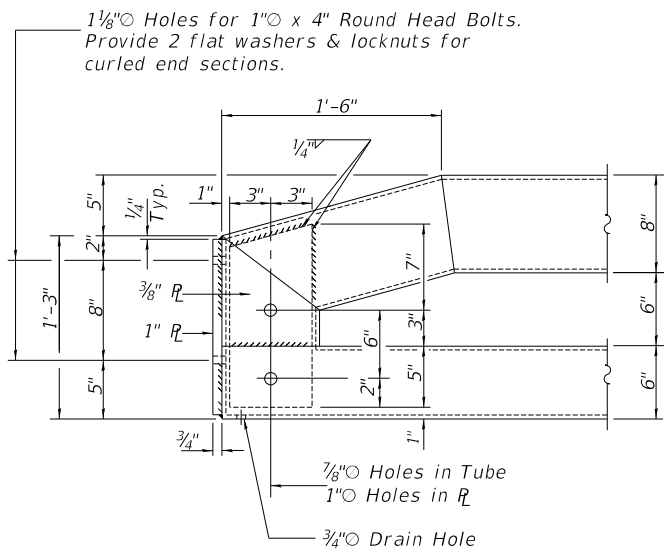
BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM (Special)	Foot	166
Terminal Marker - Direct Applied	Each	2

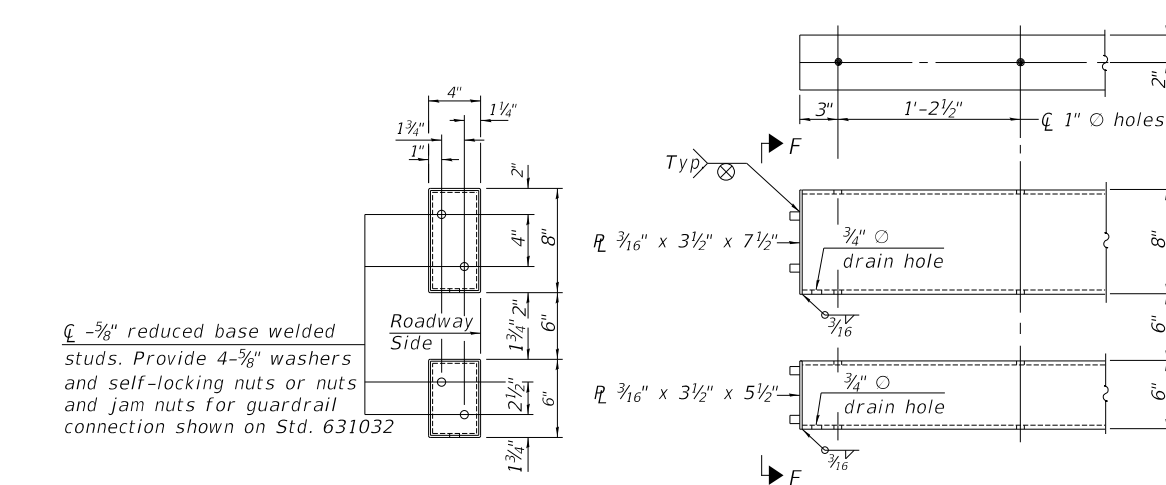
(Sheet 1 of 2)

USER NAME = JSavage	DESIGNED - ZL	REVISED -
PLOT SCALE = \$SCALES	DRAWN - ZL/JPS	REVISED -
PLOT DATE = 2/24/2025	CHECKED - JPS/BAN	REVISED -
	DATE - 01/2025	REVISED -

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	34
SN 073-3198		CONTRACT NO. 99749		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT N425(927)		

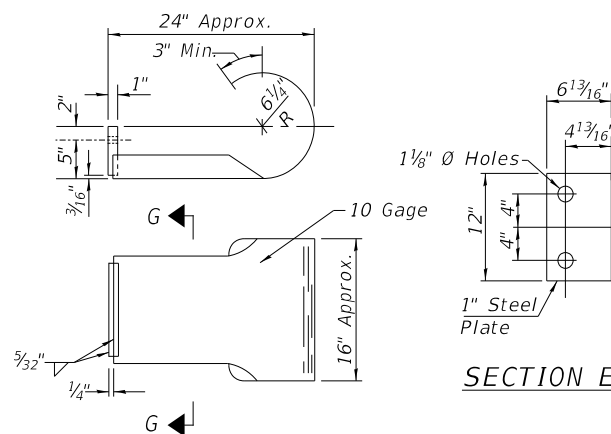


END OF RAIL DETAILS
(N.W. & S.E. Corners)



VIEW G-G

END OF RAIL DETAILS
(N.W. & S.E. Corners)



CURLED END SECTION

(2 Req'd) Cost Included with Steel Railing, Type SM (Special).
Terminal Markers - Direct Applied shall be placed on end of each Curled End Section. (Typ. S.E. & N.W. Corners)

(Sheet 2 of 2)

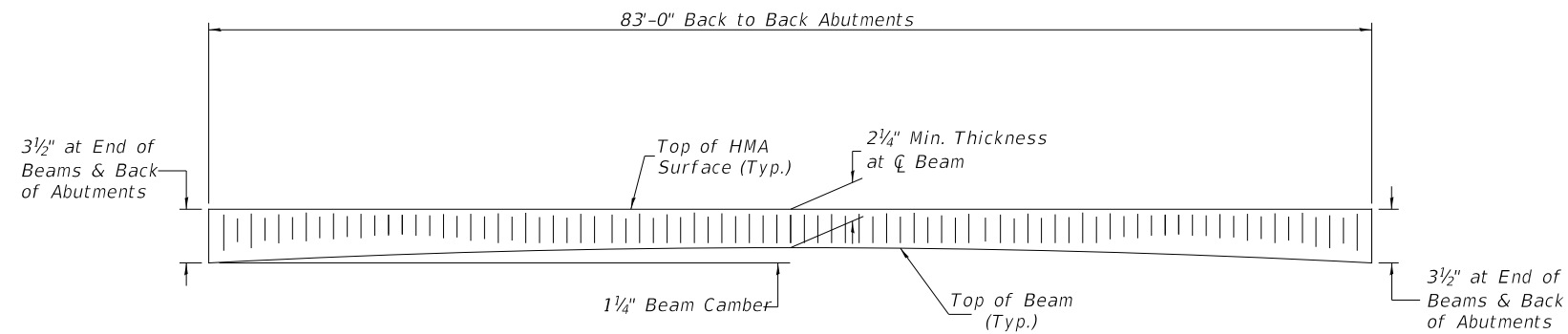
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	DRAWN - ZL/JPS	REVISED -
PLOT SCALE = \$SCALES	CHECKED - JPS/BAN	REVISED -
PLOT DATE = 2/24/2025	DATE - 01/2025	REVISED -

**PERRY COUNTY
COUNTY HIGHWAY 27 (F.A.S. 1824)
OVER SIXMILE CREEK**

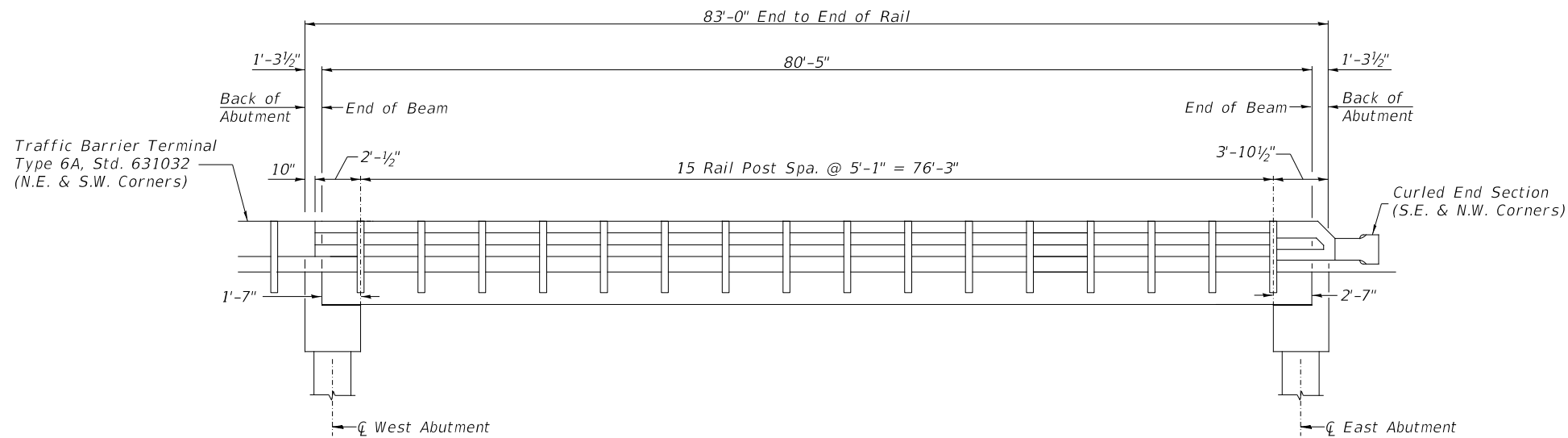
STEEL BRIDGE RAIL, TYPE SM (SPECIAL)

SCALE: NONE SHEET 5 OF 9 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	35
SN 073-3198		CONTRACT NO. 99749		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT N425(927)		

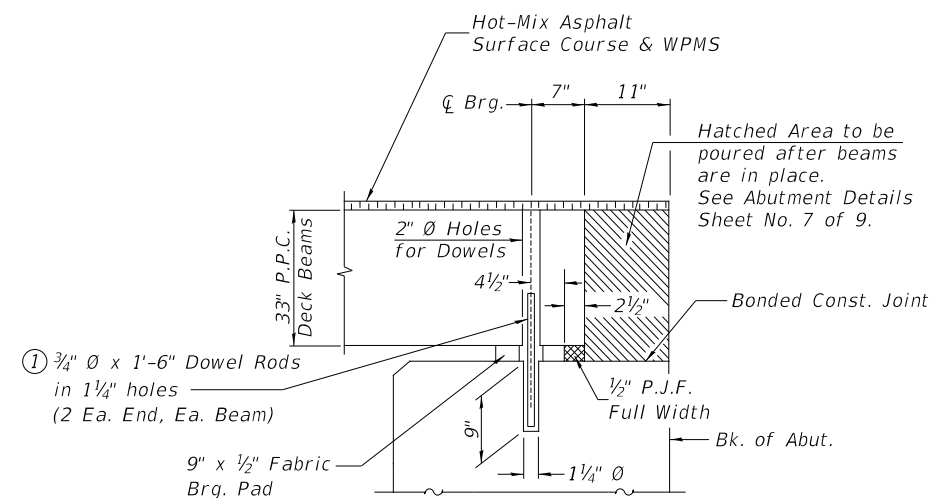


ANTICIPATED HMA SURFACE PROFILE
Includes Waterproofing Membrane System ($\pm 3/4$)



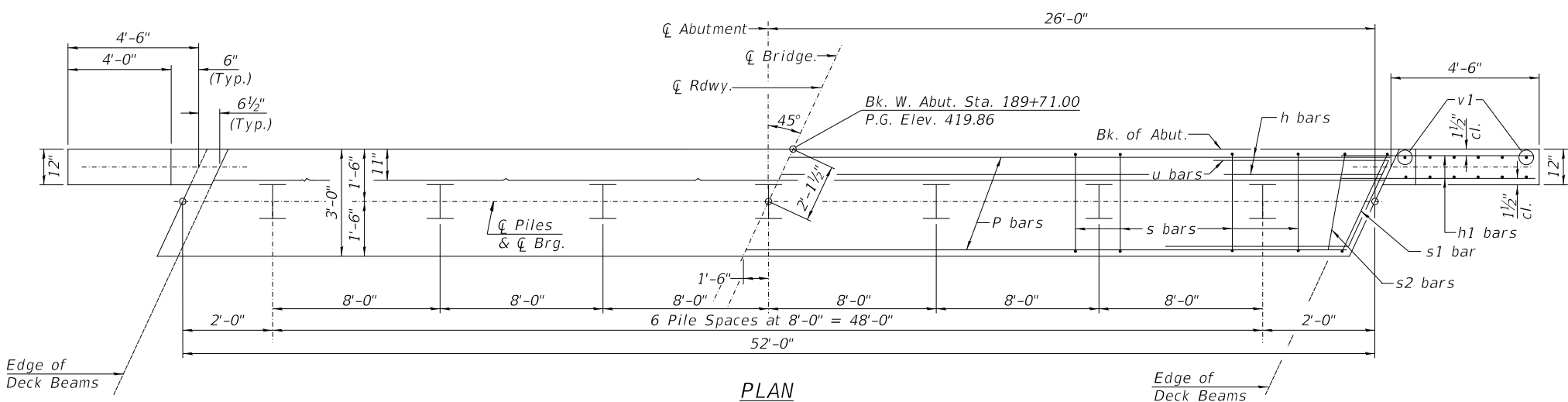
RAIL POST SPACING

(Looking North @South Fascia beam, rotate for North Fascia beam)

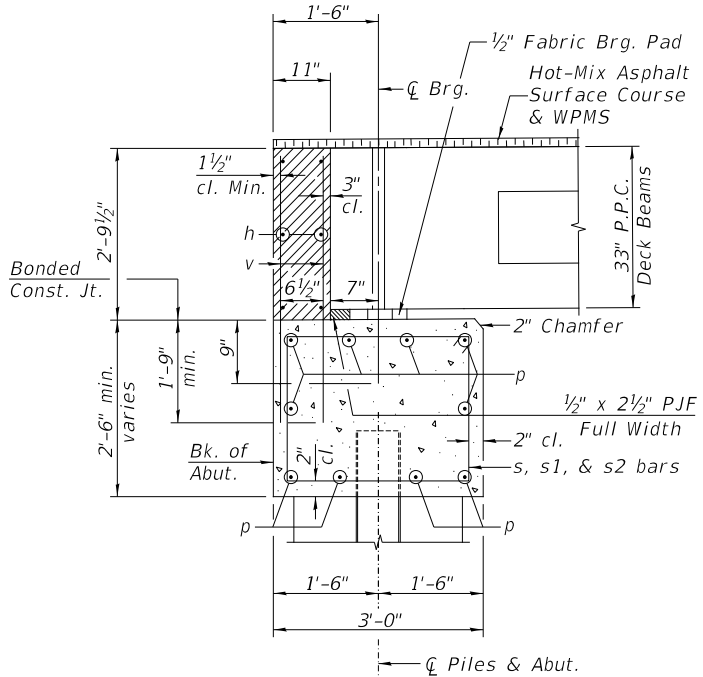


SECTION THRU ABUTMENTS
(At Right Angles)

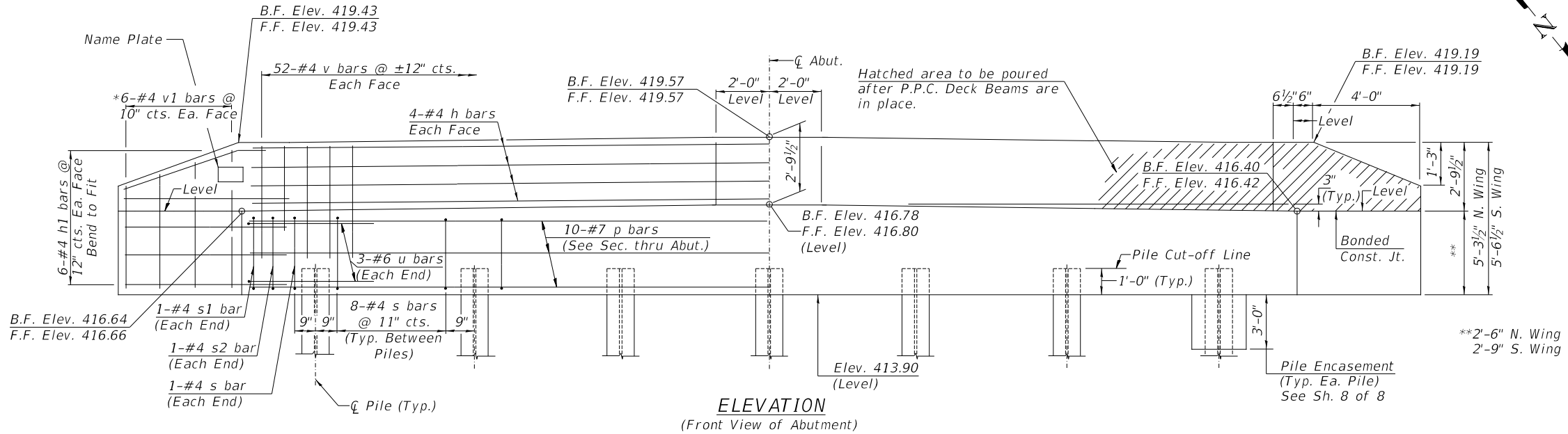
① Dowel Rods to be grouted after beams are in place and allowed to cure (Min. 24 hr.) prior to grouting the shear keys.



PLAN



SECTION THRU ABUT.



ELEVATION
(Front View of Abutment)

ABUTMENT
BILL OF MATERIAL

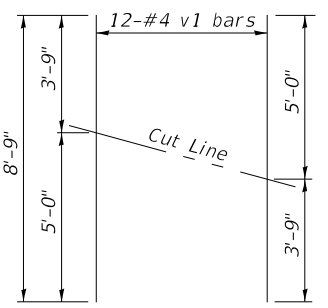
BAR	NO.	SIZE	LENGTH	SHAPE
h	8	#4	51'-9"	—
h1	24	#4	6'-6"	—
p	10	#7	51'-9"	—
s	50	#4	10'-5"	□
s1	2	#4	12'-8"	□
s2	2	#4	9'-8"	□
u	6	#6	12'-9"	∩
v	104	#4	4'-6"	—
v1	12	#4	8'-9"	—
Concrete Structures			CU YD	21.4
Reinforcement Bars			POUND	2,320
Structure Excavation			CU YD	35
Name Plates			EACH	1
Furnishing Steel Piles			FOOT	168
HP10x42			FOOT	168
Driving Piles			FOOT	168
Test Pile Steel HP10x42			EACH	1
Pile Shoes			EACH	7
Concrete Encasement			CU YD	2.5

NOTES

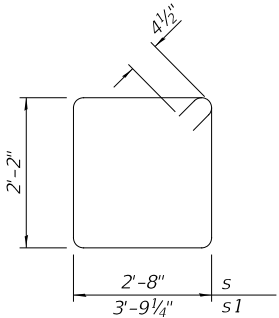
- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
- Reinforcement bars shall conform to ASTM A706 Grade 60.

PILE DATA

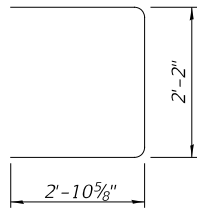
Type & Size: Steel HP10x42 with Pile Shoes
Nominal Required Bearing: 335 kips
Factored Resistance Available: 184 kips
Est. Length: 28'
No. Req'd.: 7 (Includes 1 Test Pile at Each Abut.)



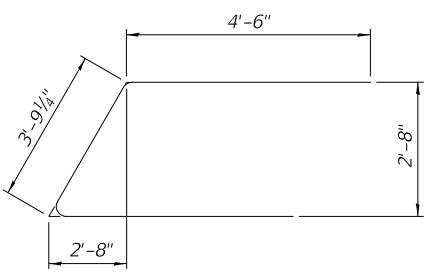
BAR CUTTING DIAGRAM



BARS s & s1



BAR s2



BAR u

MODEL: Default
FILE NAME: V14763 - CH 27 over Sixmile Creek Phase II (Perry) (CADD) CADD Sheets/762-0001.dgn
2025



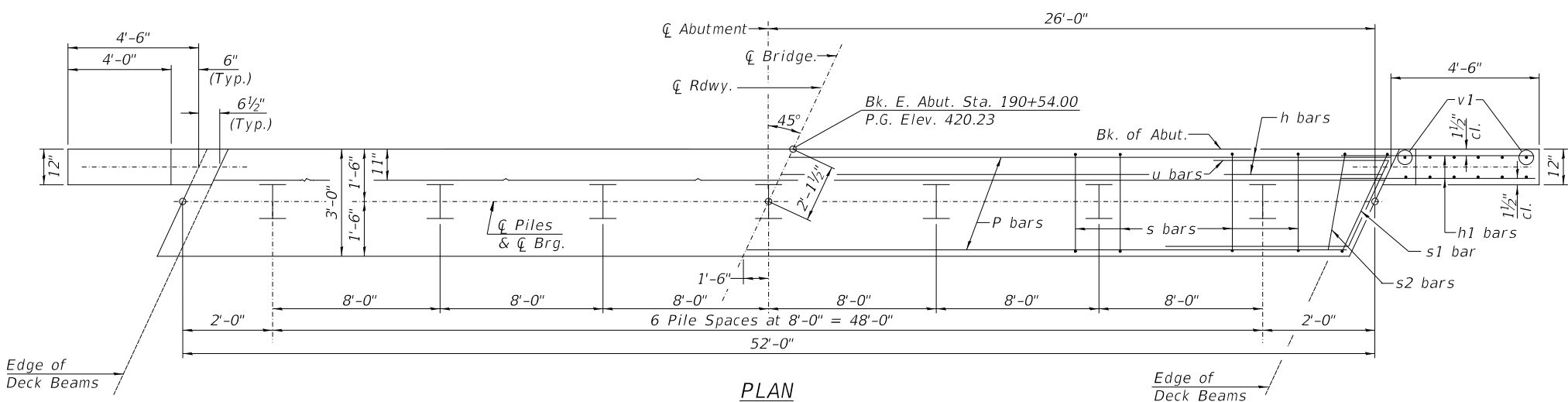
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PLOT SCALE = \$SCALE\$	DRAWN - ZL/JPS	REVISED -
PLOT DATE = 2/24/2025	CHECKED - JPS/BAN	REVISED -
	DATE - 02/24/2025	REVISED -

PERRY COUNTY
COUNTY HIGHWAY 27 (F.A.S. 1824)
OVER SIXMILE CREEK

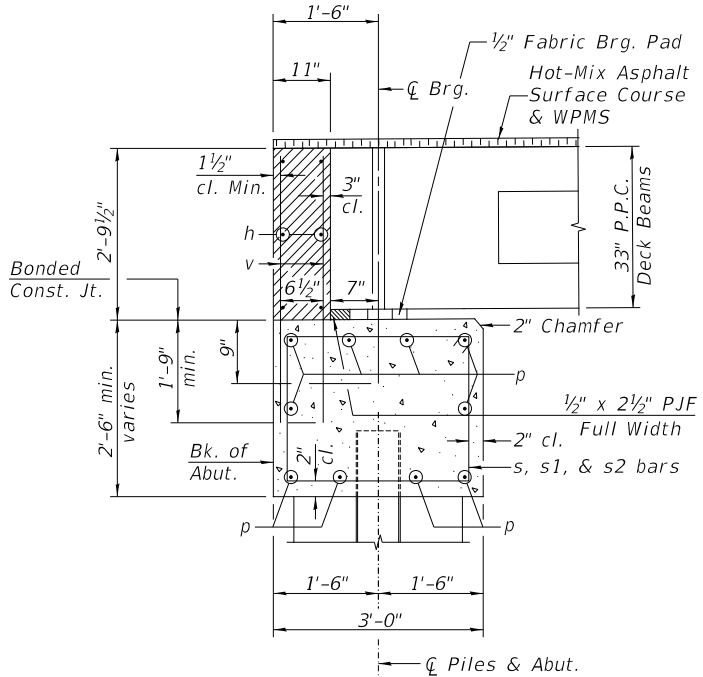
WEST ABUTMENT

SCALE: NONE SHEET 7 OF 9 SHEETS

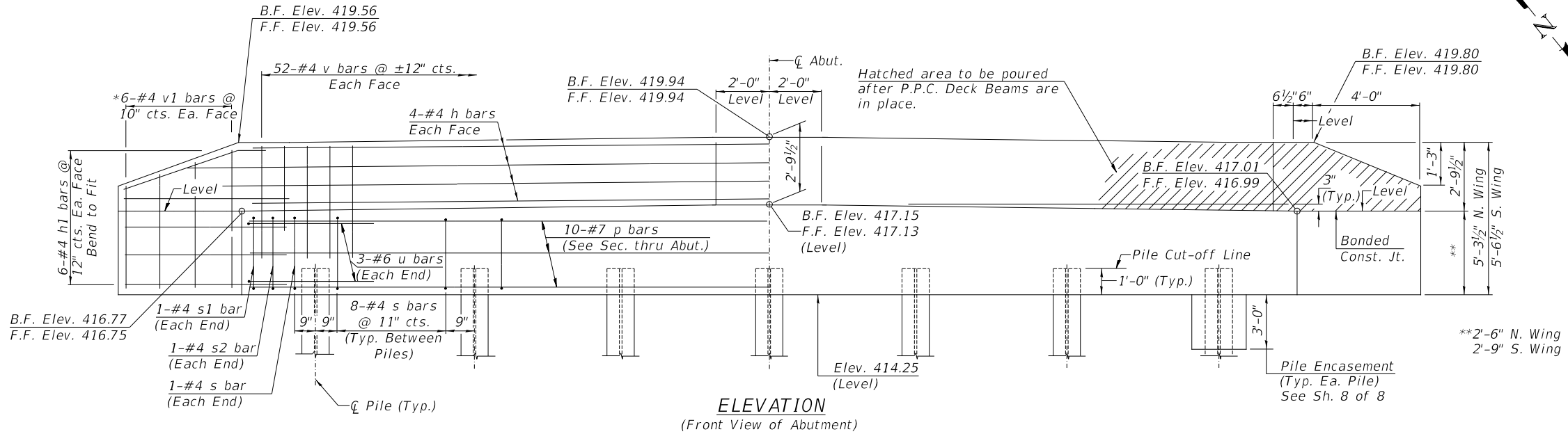
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	37
SN 073-3198		CONTRACT NO. 99749		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT N425(927)		



PLAN



SECTION THRU ABUT.



ELEVATION
(Front View of Abutment)

ABUTMENT
BILL OF MATERIAL

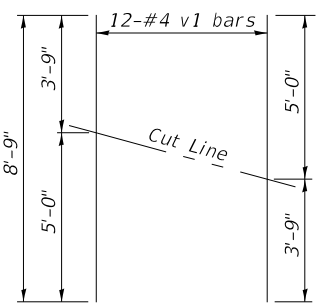
BAR	NO.	SIZE	LENGTH	SHAPE
h	8	#4	51'-9"	—
h1	24	#4	6'-6"	—
p	10	#7	51'-9"	—
s	50	#4	10'-5"	□
s1	2	#4	12'-8"	□
s2	2	#4	9'-8"	□
u	6	#6	12'-9"	∩
v	104	#4	4'-6"	—
v1	12	#4	8'-9"	—
Concrete Structures			CU YD	21.4
Reinforcement Bars			POUND	2,320
Structure Excavation			CU YD	35
Furnishing Steel Piles HP10x42			FOOT	168
Driving Piles			FOOT	168
Test Pile Steel HP10x42			EACH	1
Pile Shoes			EACH	7
Concrete Encasement			CU YD	2.5

NOTES

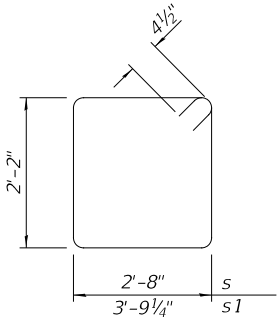
- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
- Reinforcement bars shall conform to ASTM A706 Grade 60.

PILE DATA

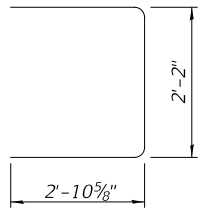
Type & Size: Steel HP10x42 with Pile Shoes
Nominal Required Bearing: 335 kips
Factored Resistance Available: 184 kips
Est. Length: 28'
No. Req'd.: 7 (Includes 1 Test Pile at Each Abut.)



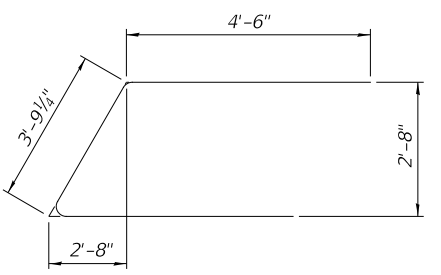
BAR CUTTING DIAGRAM



BARS s & s1



BAR s2



BAR u

MODEL: Default
FILE NAME: V04763 - CH 27 over Sixmile Creek Phase II (Perry)CADD\CADD Sheets\762-0001.dgn



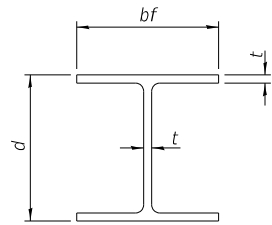
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DRAWN - ZL/JPS	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED - JPS/BAN	REVISED -
PLOT DATE = 2/24/2025	DATE - 01/2025	REVISED -

PERRY COUNTY
COUNTY HIGHWAY 27 (F.A.S. 1824)
OVER SIXMILE CREEK

EAST ABUTMENT

SCALE: NONE SHEET 8 OF 9 SHEETS

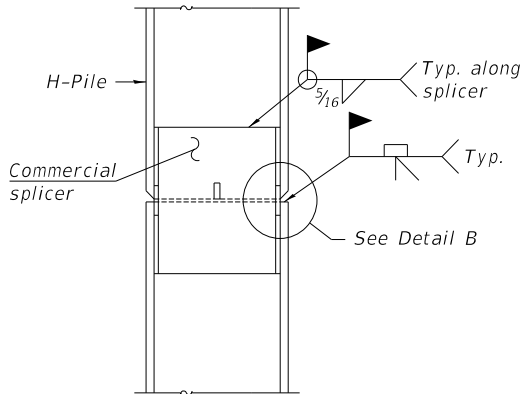
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	38
SN 073-3198		CONTRACT NO. 99749		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT N425(927)		



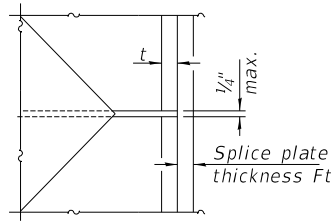
STEEL PILE TABLE

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

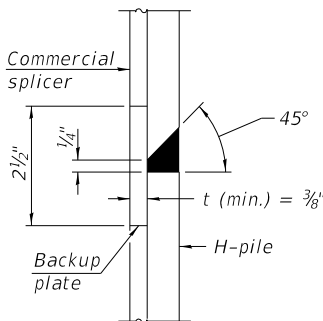
Note:
The steel H-piles shall be according to
AASHTO M270 Grade 50.



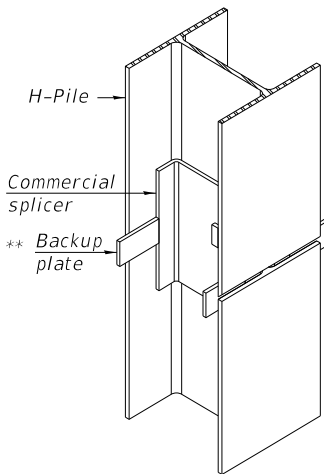
ELEVATION



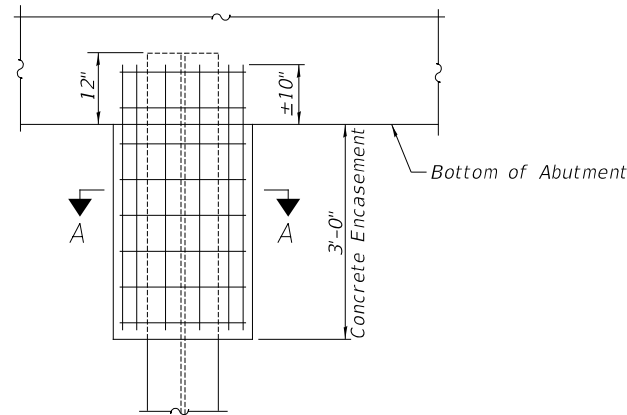
DETAIL C



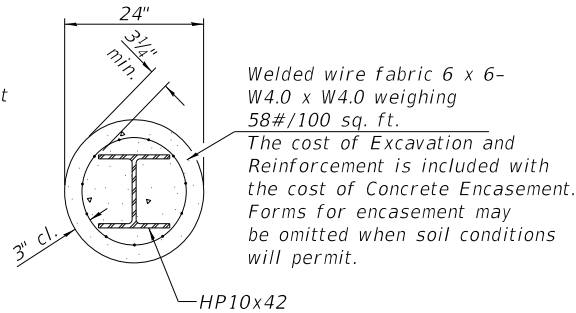
DETAIL "B"



ISOMETRIC VIEW

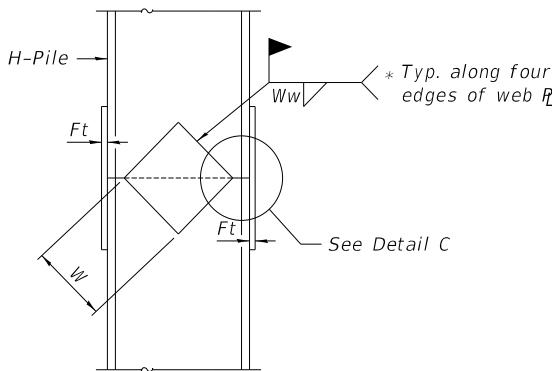


ABUTMENT ELEVATION

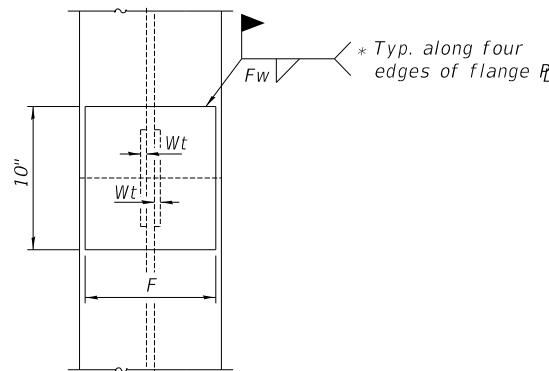


SECTION A-A

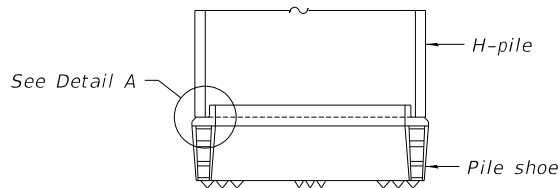
PILE ENCASEMENT



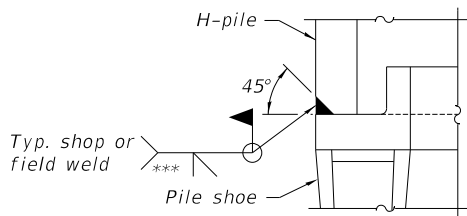
ELEVATION



END VIEW

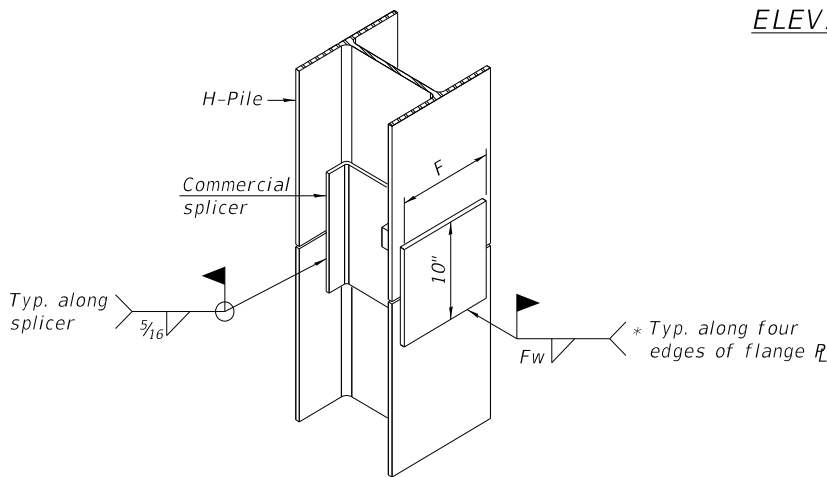


ELEVATION



DETAIL A

SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

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

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

WELDED PLATE FIELD SPLICE

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

USER NAME = JSavage	DESIGNED - ZL	REVISED -
	DRAWN - ZL/JPS	REVISED -
PLOT SCALE = \$SCALES\$	CHECKED - JPS/BAN	REVISED -
PLOT DATE = 2/24/2025	DATE - 02/24/2025	REVISED -

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1824	19-00147-00-BR	PERRY	39	39
SN 073-3198		CONTRACT NO. 99749		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT N425(927)		