

F A P R T E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	1
ILLINOIS			CONTRACT NO. 78199	

FOR INDEX OF SHEETS, SEE SHEET NO. 3

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5-10

# STATE OF ILLINOIS 11-17-2023 LETTING ITEM 093

## DEPARTMENT OF TRANSPORTATION

# PROPOSED HIGHWAY PLANS

### FAP ROUTE 322 (US 51) SECTION 6B-1

### PROJECT HBF-3TP7(546) BRIDGE REPLACEMENT OVER COLLIER CREEK PERRY COUNTY C-99-056-10

## TRAFFIC DATA

FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL

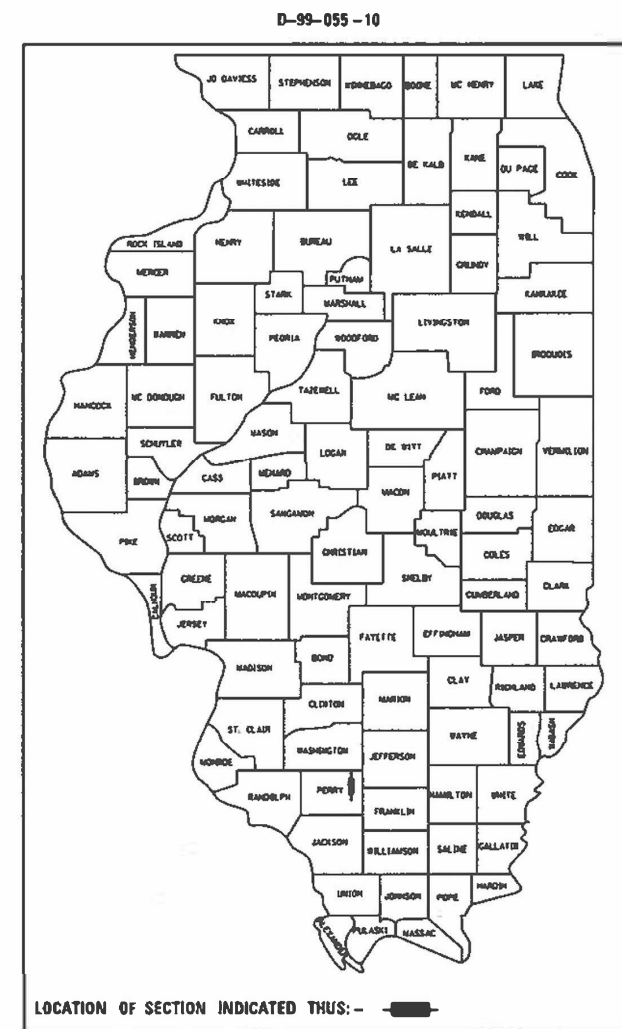
ADT: 2290 (2023)  
 PV: 89.1%  
 TRUCKS: 10.9%  
 DESIGN SPEED: 40 MPH  
 POSTED SPEED: 40 MPH

## TOWNSHIP

PERRY COUNTY UNIT ROAD DISTRICT

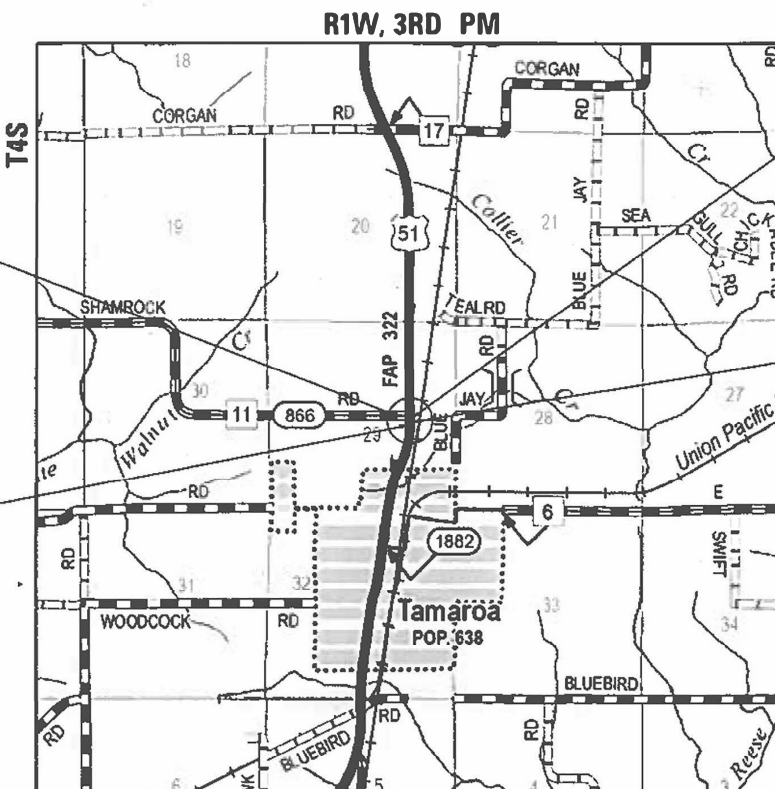
DESIGN DESIGNATION : N/A

COORDINATE SYSTEM : NAD 1983 STATE PLANE ILLINOIS  
 WEST FIPS 1202 FEET (HORIZONTAL)  
 NAVD88 (VERTICAL)



EXISTING STRUCTURE NO. 073-0002  
 STATION 466+98.10  
 PROPOSED STRUCTURE NO. 073-2008  
 STATION 466+98.10  
 OVER COLLIER CREEK  
 DOUBLE BARREL BOX CULVERT  
 12' SPAN X 7' RISE  
 NO SKEW

STATION EQUATION  
 STA 464+36.79 BK =  
 STA 465+74.10 AH



LOCATION MAP

GROSS LENGTH = 120.00 FT. = 0.02 MILES  
 NET LENGTH = 120.00 FT. = 0.02 MILES



*[Signature]*  
 SIGNATURE  
 08-06-23  
 DATE

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

PROJECT ENGINEER: EHREN KIRBY  
 PROJECT DESIGNER: ESCA CONSULTANTS, INC.

CONTRACT NO. 78199

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED August 18, 2023  
*[Signature]*  
 REGION FIVE ENGINEER

October 13, 2023  
*[Signature]*  
 ENGINEER OF DESIGN AND ENVIRONMENT

October 13, 2023  
*[Signature]*  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS

PREPARED BY: Charles Steir  
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: Nancy Hel  
DISTRICT LAND ACQUISITION ENGINEER

EXAMINED BY: Car M  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

EXAMINED BY: R. G. O.  
DISTRICT OPERATIONS ENGINEER

EXAMINED BY: Doris J. Zellner  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

EXAMINED BY: Doris J. Zellner  
DISTRICT CONSTRUCTION ENGINEER

EXAMINED BY: Aan Hays  
DISTRICT MATERIALS ENGINEER

MODEL: PLOT  
FILE NAME: C:\WORK\1159-11\_0819\CAAD\WORKSPACE\CADD\_Sheet0108.dwg



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PLOT SCALE = 0.1667' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/11/2023	DATE - 08/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNATURE BLOCK**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	2
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

**LIST OF ILLINOIS DOT HIGHWAY STANDARDS**

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
420001-10	PAVEMENT JOINTS
420101-07	24' JOINTED PCC PAVEMENT
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
483001-06	PCC SHOULDER
515001-04	NAME PLATE FOR BRIDGES
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
642006-01	SHOULDER RUMBLE STRIPS, 8 in.
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
<b>ROADWAY PLANS</b>	
1.	COVER SHEET
2.	SIGNATURE BLOCK
3.	INDEX OF SHEETS AND HIGHWAY STANDARDS
4.	GENERAL NOTES AND COMMITMENTS
5.-10.	SUMMARY OF QUANTITIES
11.-12.	TYPICAL SECTIONS
13.-14.	SCHEDULES OF QUANTITIES
15.	ALIGNMENT, TIES, AND BENCHMARKS
16.-19.	FAP 322 (US 51) PLAN AND PROFILE
20.	PRE-STAGE I & STAGE I TRAFFIC CONTROL
21.	STAGE II TRAFFIC CONTROL
22.	STAGE CONSTRUCTION SECTIONS
23.	EROSION CONTROL PLAN
24.	REMOVAL PLAN
25.	SEEDING AND MULCHING & STEP CONSTRUCTION ON EXISTING FILL
26.	PAVEMENT TRANSITION DETAILS
27.	ENTRANCE DETAILS
28.	BUTT JOINT DETAILS
29.	24' PCC PAVEMENT OVER BOX CULVERT
30.	ROUGH GROOVED SURFACE SIGN & UNEVEN LANES SIGN DETAILS
<b>STRUCTURE PLANS – SN 073–2008</b>	
31.	GENERAL PLAN
32.	GENERAL DATA
33.	STAGE CONSTRUCTION DETAILS
34.	TEMPORARY SOIL RETENTION SYSTEM
35.	TEMPORARY CONCRETE BARRIER
36.-38.	BOX CULVERT DETAILS
39.	BAR SPLICER ASSEMBLY DETAILS
40.-41.	BORING LOGS
<b>EXISTING STRUCTURE PLANS</b>	
42.-49.	SN 073-0002 EXISTING STRUCTURE PLANS
<b>CROSS SECTIONS</b>	
50.-55.	PRE-STAGE I & STAGE I US 51 CROSS SECTIONS
56.-61.	STAGE II US 51 CROSS SECTIONS

REV. - MS

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS AND HIGHWAY STANDARDS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	3
			CONTRACT NO. 78199	
		ILLINOIS FED. AID PROJECT		

**GENERAL NOTES**

- FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:
 

ALL HOT-MIX ASPHALT	2.016 TONS/CU YD
ALL AGGREGATE	2.05 TONS/CU YD
RIPRAP	1.50 TONS/CU YD
- THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 10%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.
- THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL AND SURFACE COURSE.
- AT ALL LOCATIONS WHERE THE PROPOSED HOT-MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

- LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE HMA SURFACE COURSE.
- EDGE LINE PAVEMENT MARKING SHALL BE REMOVED IF A 10 FT LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHALL BE INSTALLED WHEN THE EDGE LINES ARE REMOVED.
- INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE PAVED IN A SEPARATE OPERATION FROM THE MAINLINE PAVEMENT.
- REMOVAL OF ABANDONED UTILITIES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

**COMMITMENTS**

- TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH SEPTEMBER 30TH OF ANY GIVEN YEAR.
- ALL LANES SHALL BE OPEN TO TRAFFIC DURING THE 2024 SOLAR ECLIPSE FROM 7:00 AM ON SATURDAY APRIL 6, 2024, THROUGH 10:00 PM ON MONDAY APRIL 8, 2024.

**HMA MIXTURE REQUIREMENTS TABLE**

LOCATIONS	HOT-MIX ASPHALT SURFACE COURSE & INCIDENTAL HMA
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70
PG:	PG64-22
DESIGN AIR VOIDS:	4.0%, 70 GYRATION DESIGN
MIX COMPOSITION: (GRADATION MIXTURE)	IL-9.5mm
FRICTION AGGREGATE:	SURFACE C
MIXTURE WEIGHT:	112 LBS/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA
SUBLOT SIZE:	N/A
MATERIAL TRANSFER DEVICE	NO

PAVING LIFTS

- 1½" RESURFACING;
- 1½" HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70, 9.5mm

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND COMMITMENTS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	4
CONTRACT NO. 78199			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				0004	0004
				ROADWAY	S.N. 073-2008
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	61	61	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	72	72	
20200100	EARTH EXCAVATION	CU YD	1030	1030	
20200200	ROCK EXCAVATION	CU YD	10		10
20400800	FURNISHED EXCAVATION	CU YD	250	250	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	280		280
20800150	TRENCH BACKFILL	CU YD	67	67	
25000200	SEEDING, CLASS 2	ACRE	0.75	0.75	
25000350	SEEDING, CLASS 7	ACRE	0.75	0.75	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	70	70	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	70	70	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	70	70	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.5	1.5	
25100115	MULCH, METHOD 2	ACRE	1.50	1.50	

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	5
CONTRACT NO. 78199			ILLINOIS FED. AID PROJECT	

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE
				CONSTRUCTION CODE	
				0004 ROADWAY	0004 S.N. 073-2008
25100630	EROSION CONTROL BLANKET	SQ YD	2543	2543	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	150	150	
28000305	TEMPORARY DITCH CHECKS	FOOT	154	154	
28000500	INLET AND PIPE PROTECTION	EACH	6	6	
28100107	STONE RIPRAP, CLASS A4	SQ YD	128		128
28200200	FILTER FABRIC	SQ YD	128		128
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	186	186	
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	102	102	
35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	205	205	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	245	245	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	314	314	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	58	58	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	191	191	
40600990	TEMPORARY RAMP	SQ YD	65	65	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NONE    SHEET NO. 2 OF 6    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	6
			CONTRACT NO. 78199	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				0004	0004
				ROADWAY	S.N. 073-2008
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	17	17	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	10	10	
42000060	WELDED WIRE REINFORCEMENT	SQ YD	725	725	
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	170	170	
42001300	PROTECTIVE COAT	SQ YD	725	725	
44000100	PAVEMENT REMOVAL	SQ YD	110	110	
44000400	GUTTER REMOVAL	FOOT	24	24	
44004250	PAVED SHOULDER REMOVAL	SQ YD	225	225	
44213204	TIE BARS 3/4"	EACH	40	40	
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	555	555	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50105220	PIPE CULVERT REMOVAL	FOOT	116	116	
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	125		125
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	34360		34360

REV. - MS

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	7
CONTRACT NO. 78199			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				0004	0004
				ROADWAY	S.N. 073-2008
50800515	BAR SPLICERS	EACH	170		170
51500100	NAME PLATES	EACH	1		1
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	212		212
54003000	CONCRETE BOX CULVERTS	CU YD	152.6		152.6
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	195	195	
5421D024	PIPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)	FOOT	180	180	
54262724	METAL FLARED END SECTIONS 24"	EACH	6	6	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	161		161
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	700	700	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	8
			CONTRACT NO. 78199	
ILLINOIS FED. AID PROJECT				



SUMMARY OF QUANTITIES				80% FEDERAL 20% STATE ROADWAY	80% FEDERAL 20% STATE STRUCTURE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				0004 ROADWAY	0004 S.N. 073-2008
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	6	6	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	63	63	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	100	100	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	35	35	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	1490	1490	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	387.5	387.5	
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	52	52	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	375	375	
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	4	
70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	4	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1490	1490	
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	745	745	

\* SPECIALTY ITEM

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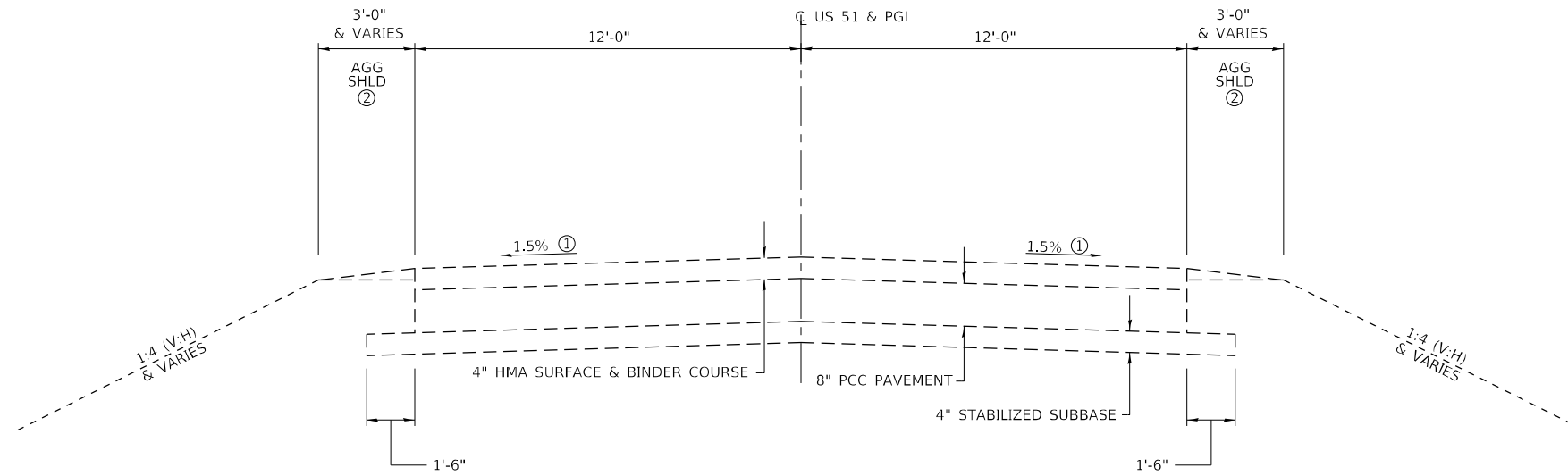
STATE OF ILLINOIS  
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SUMMARY OF QUANTITIES

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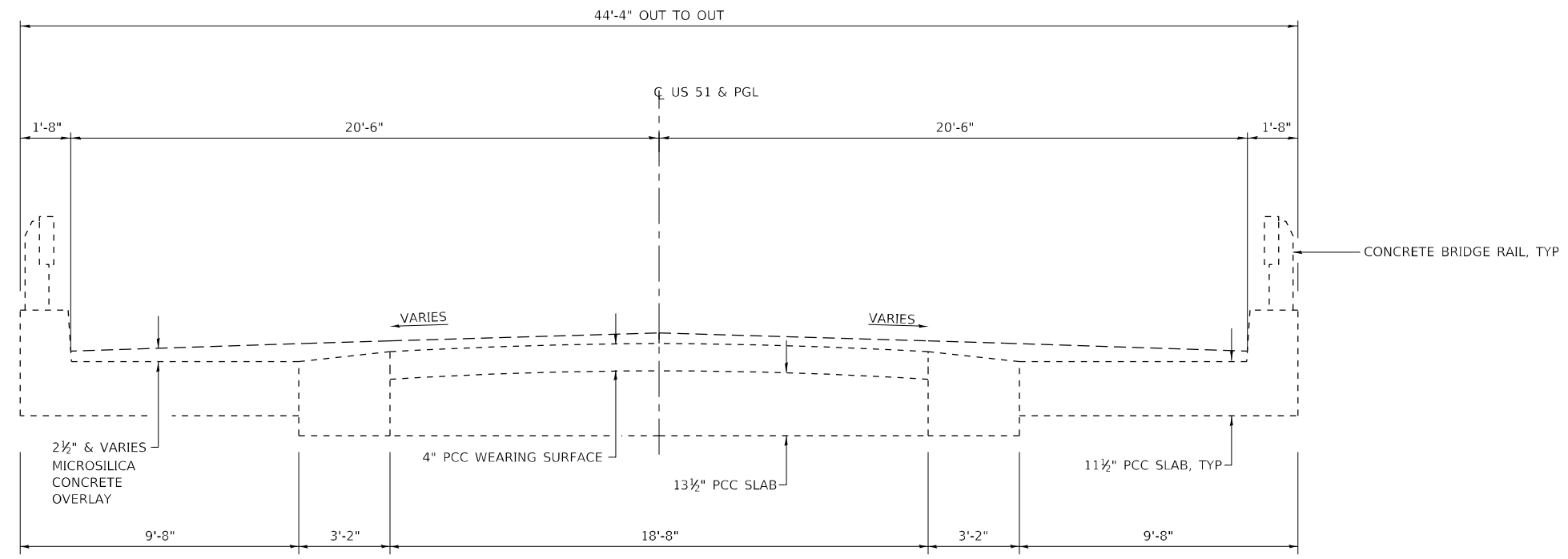
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322	6B-1	PERRY	61	9
			CONTRACT NO. 78199	
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- ① PAVEMENT IS SUPERELEVATED WITHIN THE LIMITS OF THE HORIZONTAL CURVE AND TRANSITIONS TO NORMAL CROWN FROM PT STA 465+74.10 TO STA 466+30.00
- ② HOT-MIX ASPHALT SHOULDERS ARE PRESENT ON BOTH SIDES NEAR THE EXISTING STRUCTURE; 8" THICKNESS IS ASSUMED

**EXISTING TYPICAL SECTION**  
**STA 463+73.00 TO STA 466+87.10**  
**STA 467+09.10 TO STA 477+00.00**



**EXISTING TYPICAL SECTION**  
**STA 466+87.10 TO STA 467+09.10**

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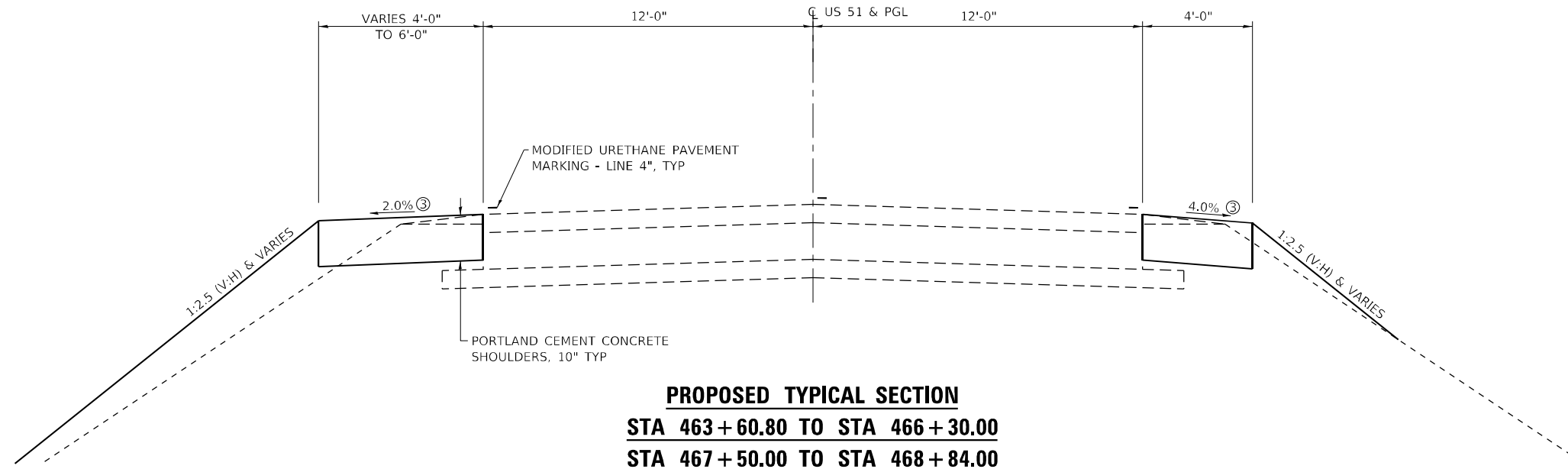


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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

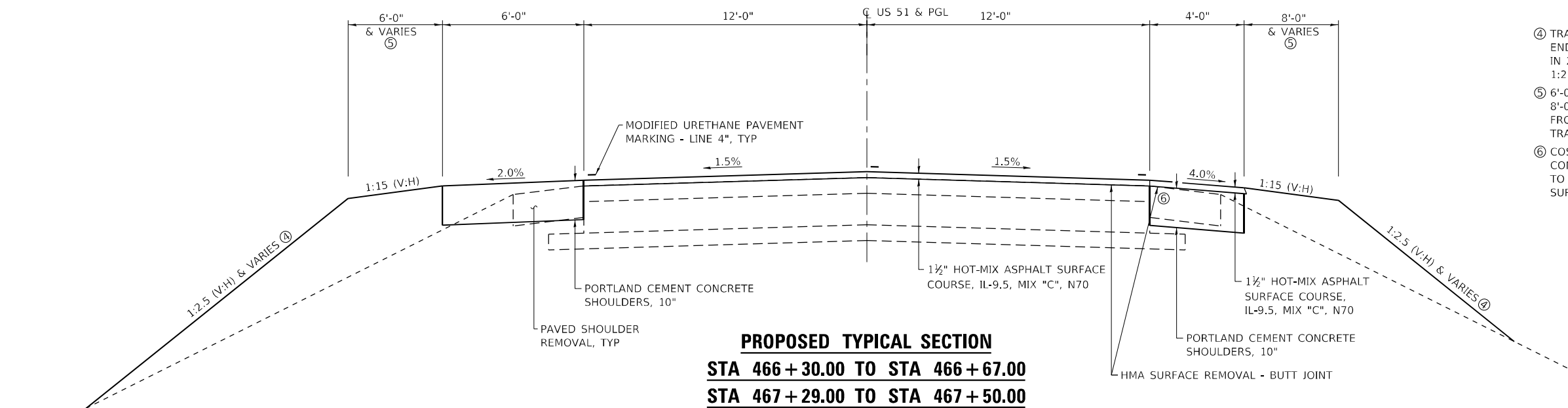
SCALE: NONE		SHEET NO. 1 OF 2 SHEETS		STA.	TO STA.
		TYPICAL SECTIONS			

F.A.P. RTE. 322	SECTION 68-1	COUNTY PERRY	TOTAL SHEETS 61	SHEET NO. 11
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				



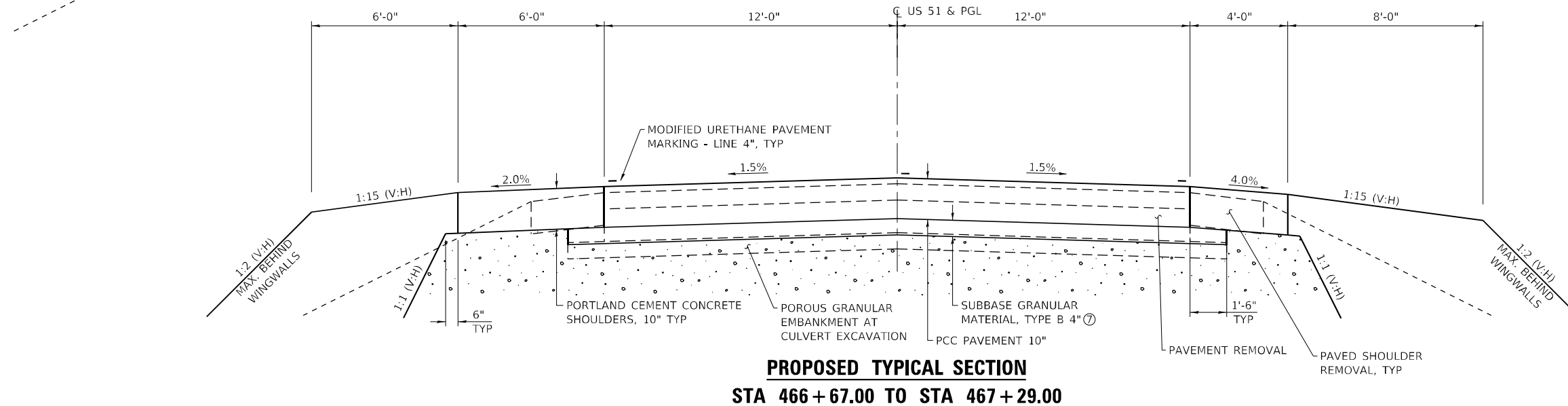
**PROPOSED TYPICAL SECTION**  
**STA 463 + 60.80 TO STA 466 + 30.00**  
**STA 467 + 50.00 TO STA 468 + 84.00**

③ USE THESE SAME SHOULDER SLOPES ADJACENT TO SUPERELEVATED PAVEMENT



**PROPOSED TYPICAL SECTION**  
**STA 466 + 30.00 TO STA 466 + 67.00**  
**STA 467 + 29.00 TO STA 467 + 50.00**

④ TRANSITIONS FROM 1:2 AT END OF WINGWALLS TO 1:2.5 IN 25'; TRANSITIONS FROM 1:2.5 TO 1:3 IN 25'  
 ⑤ 6'-0" WEST SIDE, 8'-0" EAST SIDE TO 25' FROM END OF WINGWALL; TRANSITIONS TO 0' IN 25'  
 ⑥ COST OF PORTLAND CEMENT CONCRETE SURFACE REMOVAL TO BE INCLUDED IN HMA SURFACE REMOVAL - BUTT JOINT



**PROPOSED TYPICAL SECTION**  
**STA 466 + 67.00 TO STA 467 + 29.00**

⑦ INCREASE THICKNESS AS NECESSARY ON TOP OF BOX CULVERT, COST INCLUDED IN SUBBASE GRANULAR MATERIAL, TYPE B 4"

MODEL\_PLOT  
 FILE NAME: \\DOTD01\1359-11\_78199\CADD\Highway\CADD\_Sheets\0823\199-htc\typical02.dgn



USER NAME = IRC	DESIGNED - IRC	REVISED -
ESCA PROJECT NO. 1359.11	DRAWN - IRC	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/15/2023	DATE - 08/23	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

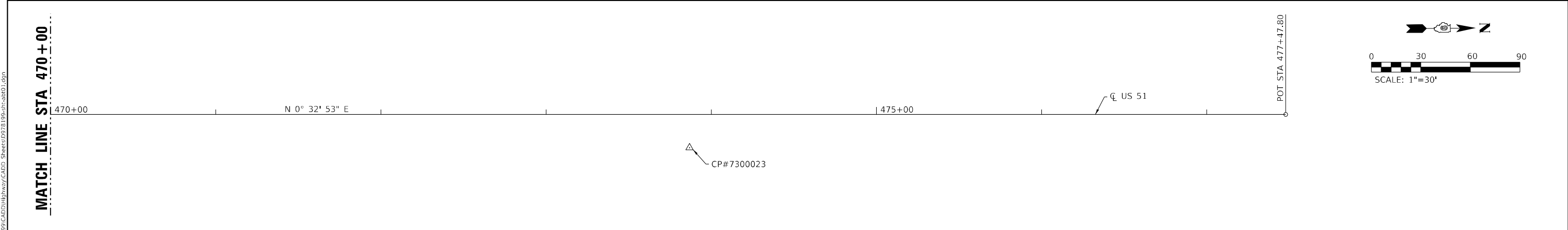
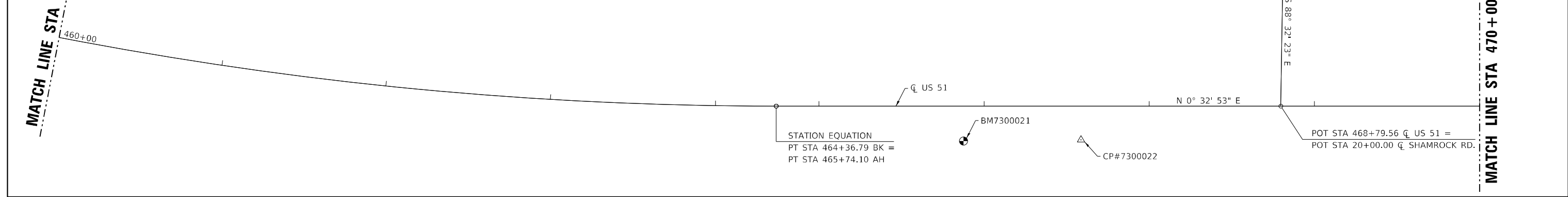
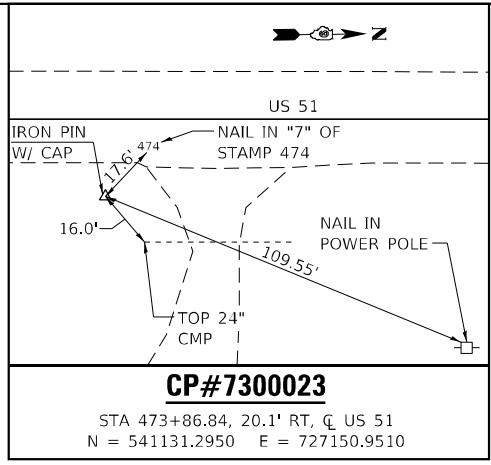
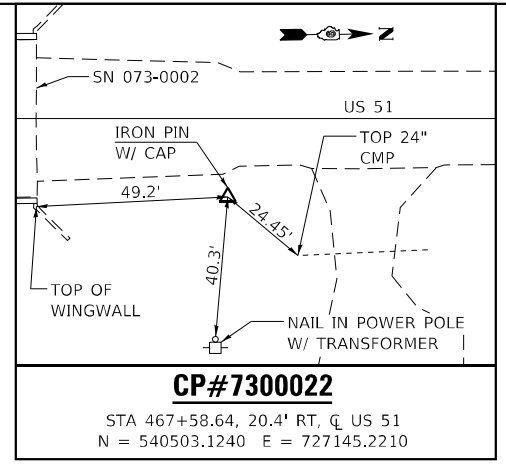
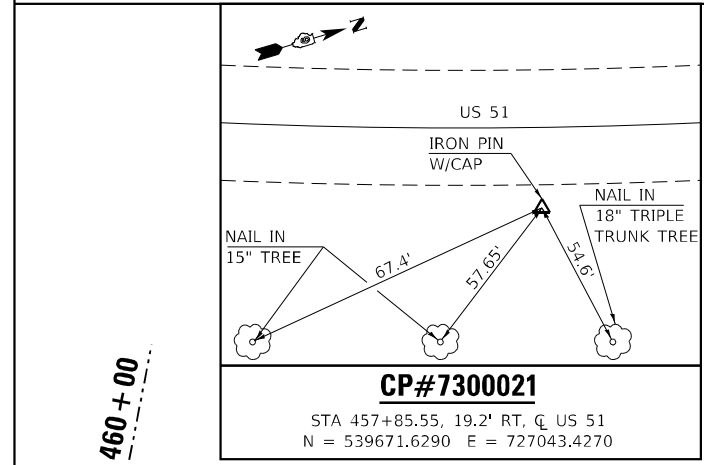
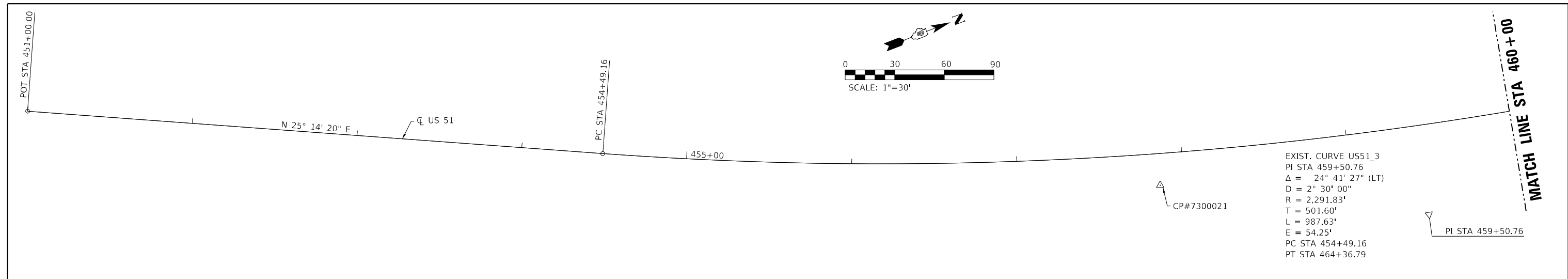
**TYPICAL SECTIONS**

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	68-1	PERRY	61	12
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				







**BENCHMARK** NAVD 88  
 BM7300021 - CHISELED SQUARE AT SOUTHEAST CORNER OF SN 073-0002.  
 21.1' RT OF CL US 51, STA 466+87.52, EL 494.856

MODEL\_PLOT  
 FILE\_NAME: Y:\DOT\1359-11\_78199\CADD\Highway\CADD\_Sheets\0978199-rt-h-3801.dgn



USER NAME = IRC	DESIGNED - JPC	REVISED -
ESCA PROJECT NO. 1359.11	DRAWN - JPC	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - IRC	REVISED -
PLOT DATE = 8/15/2023	DATE - 03/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES, AND BENCHMARKS**

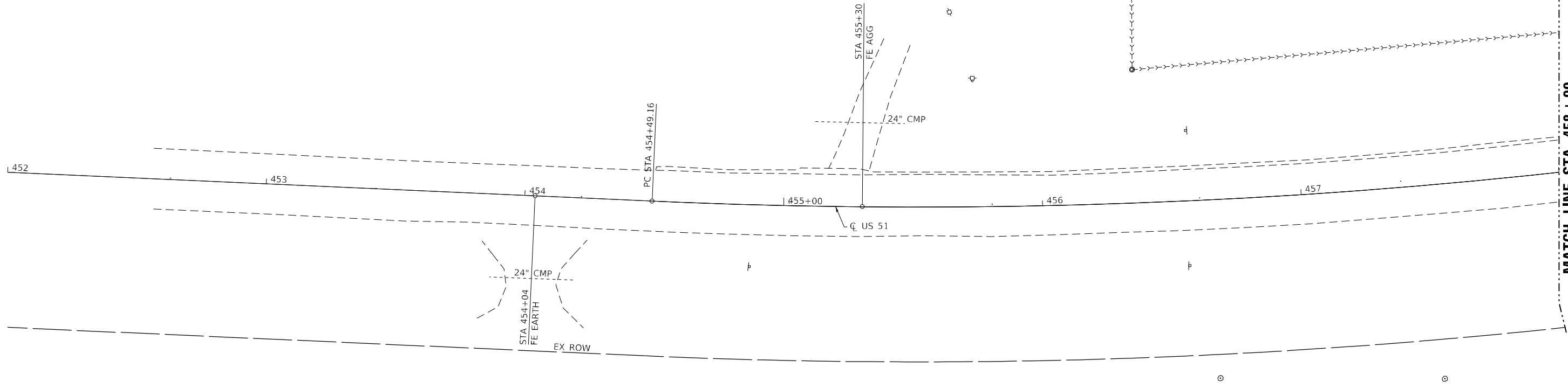
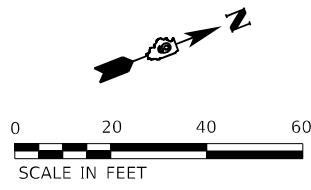
SCALE: 1"=30' SHEET NO. 1 OF 1 SHEETS STA. 451+00.00 TO STA. 477+47.80

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	15
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

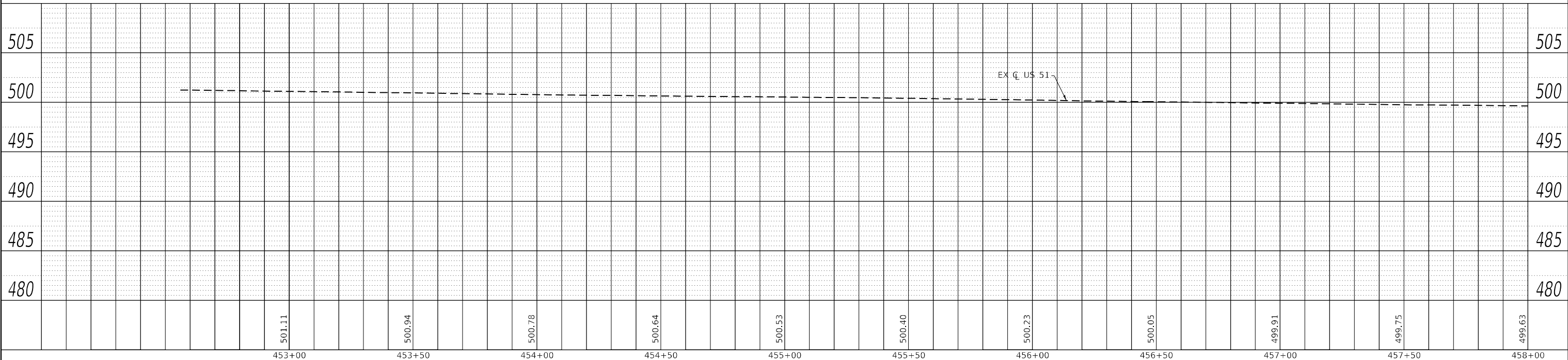
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	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

MODEL: Default  
FILE NAME: Y:\DOT\1359-11\78199\CADD\Highway\CADD\_Sheets\DP78199-sh-01.dwg



MATCH LINE STA 458 + 00  
SEE SHEET 2 FOR CONT.



453+00	453+50	454+00	454+50	455+00	455+50	456+00	456+50	457+00	457+50	458+00
501.11	500.94	500.78	500.64	500.53	500.40	500.23	500.05	499.91	499.75	499.63



USER NAME = IRC	DESIGNED - IRC	REVISED -
ESCA PROJECT NO. 1359.11	DRAWN - JPC	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/15/2023	DATE - 04/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAP 322 (US 51) PLAN AND PROFILE**

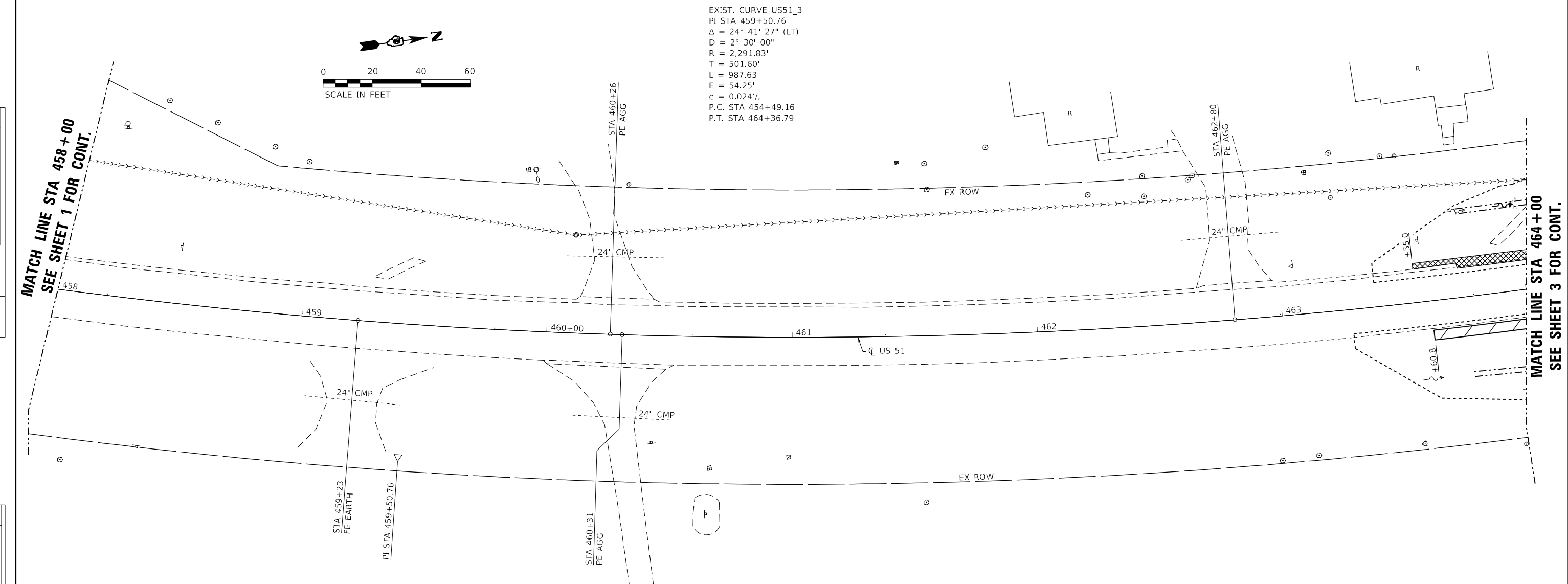
SCALE: AS SHOWN    SHEET 1 OF 4 SHEETS    STA. 452+00.00 TO STA. 458+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	68-1	PERRY	61	16
CONTRACT NO. 78199			ILLINOIS FED. AID PROJECT	

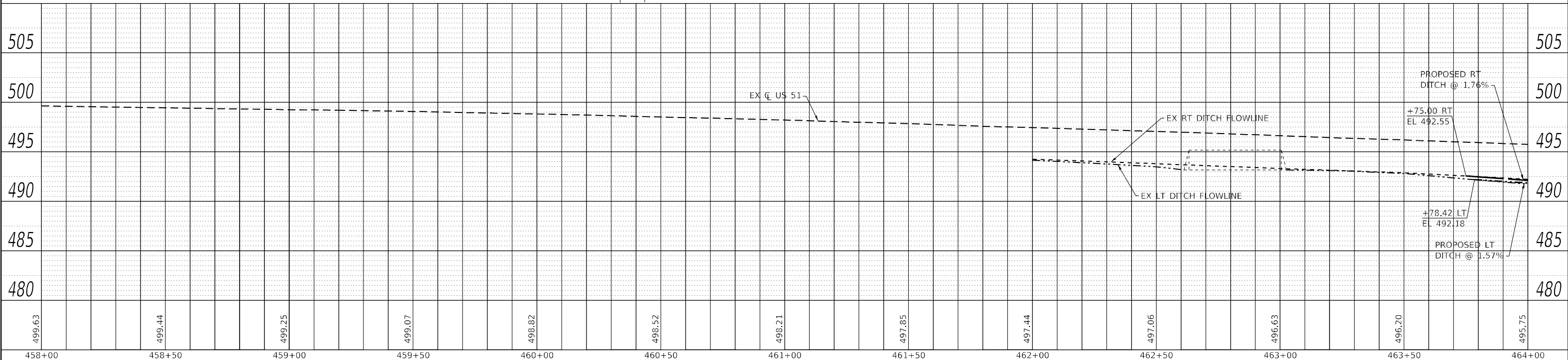


PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



EXIST. CURVE US51\_3  
 PI STA 459+50.76  
 $\Delta = 24^\circ 41' 27''$  (LT)  
 $D = 2^\circ 30' 00''$   
 $R = 2,291.83'$   
 $T = 501.60'$   
 $L = 987.63'$   
 $E = 54.25'$   
 $e = 0.024\%$   
 P.C. STA 454+49.16  
 P.T. STA 464+36.79



MODEL: Default  
 FILE NAME: Y:\DOT\1359-11-28-199\CADD\Highway\CADD Sheets\DP28 199-sta-cadd\p01.dgn

499.63	499.44	499.25	499.07	498.82	498.52	498.21	497.85	497.44	497.06	496.63	496.20	495.75
458+00	458+50	459+00	459+50	460+00	460+50	461+00	461+50	462+00	462+50	463+00	463+50	464+00



USER NAME = IRC	DESIGNED - IRC	REVISED -
ESCA PROJECT NO. 1359.11	DRAWN - JPC	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/29/2023	DATE - 08/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

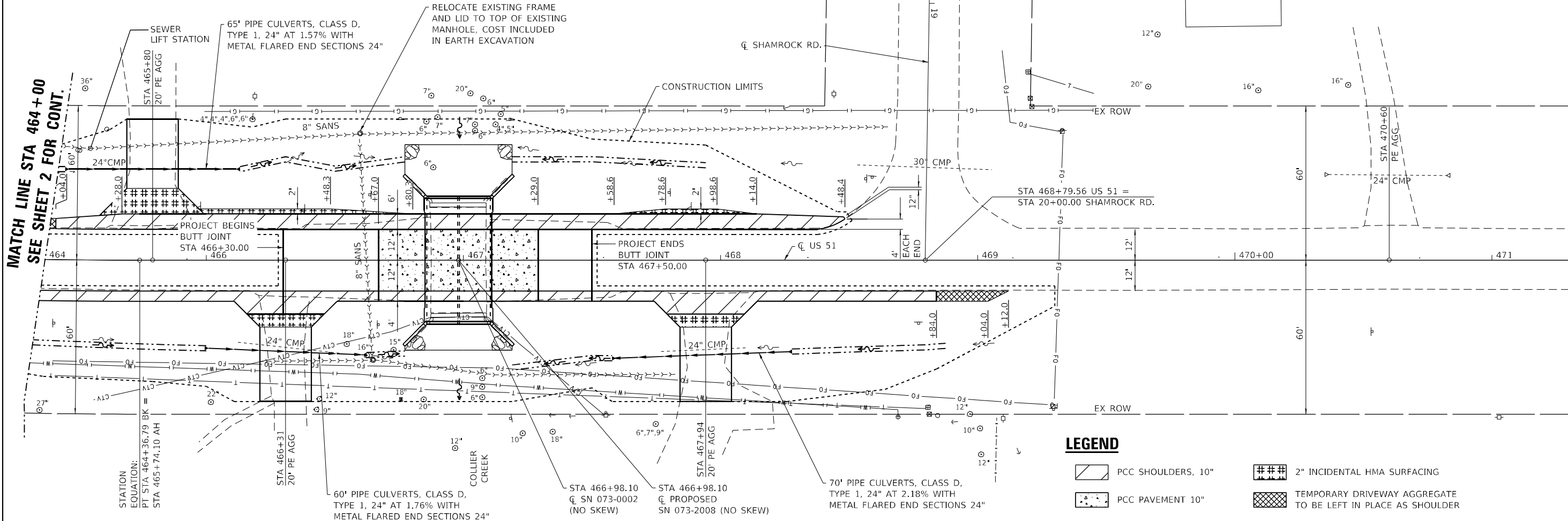
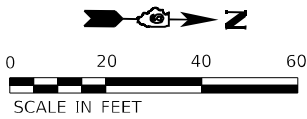
**FAP 322 (US 51) PLAN AND PROFILE**

SCALE: AS SHOWN    SHEET 2 OF 4 SHEETS    STA. 458+00.00 TO STA. 464+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	68-1	PERRY	61	17
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

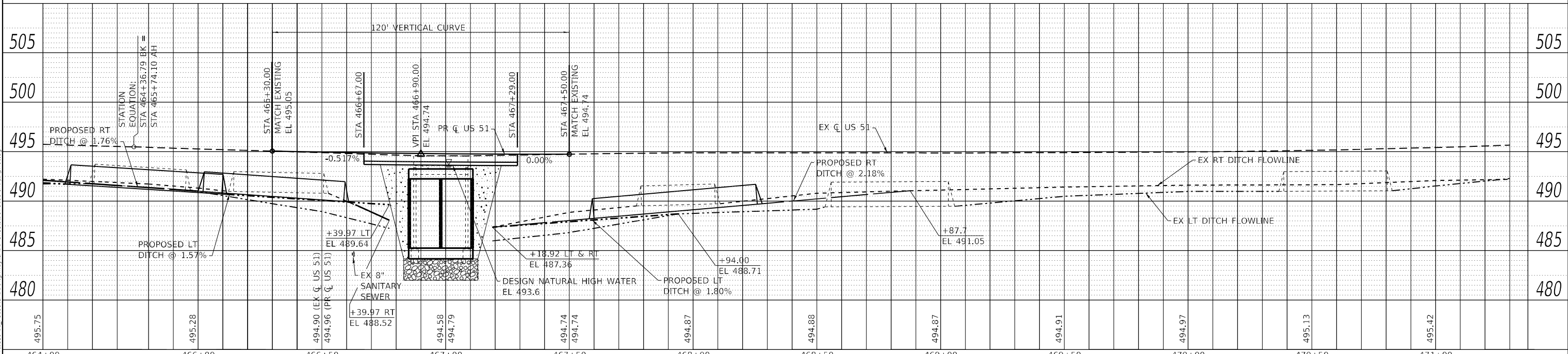
DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	NO. _____
	NOTE BOOK
	NO. _____
	CADD FILE NAME
	NO. _____

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NO. _____
	NOTE BOOK
	NO. _____
	CADD FILE NAME
	NO. _____



**LEGEND**

	PCC SHOULDERS, 10"		2" INCIDENTAL HMA SURFACING
	PCC PAVEMENT 10"		TEMPORARY DRIVEWAY AGGREGATE TO BE LEFT IN PLACE AS SHOULDER



MODEL: Default  
FILE NAME: Y:\DOT\1359-11\_28199\CADD\Highway\CADD\_Sheets\DP28199-stn-culpr01.dwg



USER NAME = IRC	DESIGNED - IRC	REVISED -
ESCA PROJECT NO. 1359.11	DRAWN - JPC	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/15/2023	DATE - 08/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAP 322 (US 51) PLAN AND PROFILE**

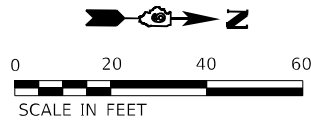
SCALE: AS SHOWN    SHEET 3 OF 4 SHEETS    STA. 464+00.00 TO STA. 471+30.00

F.A.P. RTE. 322	SECTION 68-1	COUNTY PERRY	TOTAL SHEETS 61	SHEET NO. 18
CONTRACT NO. 78199			ILLINOIS FED. AID PROJECT	

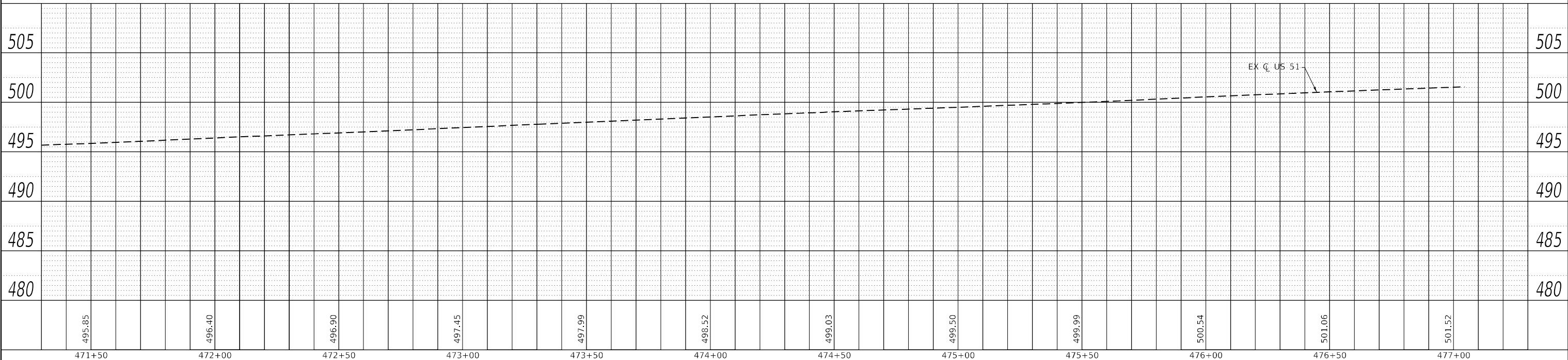
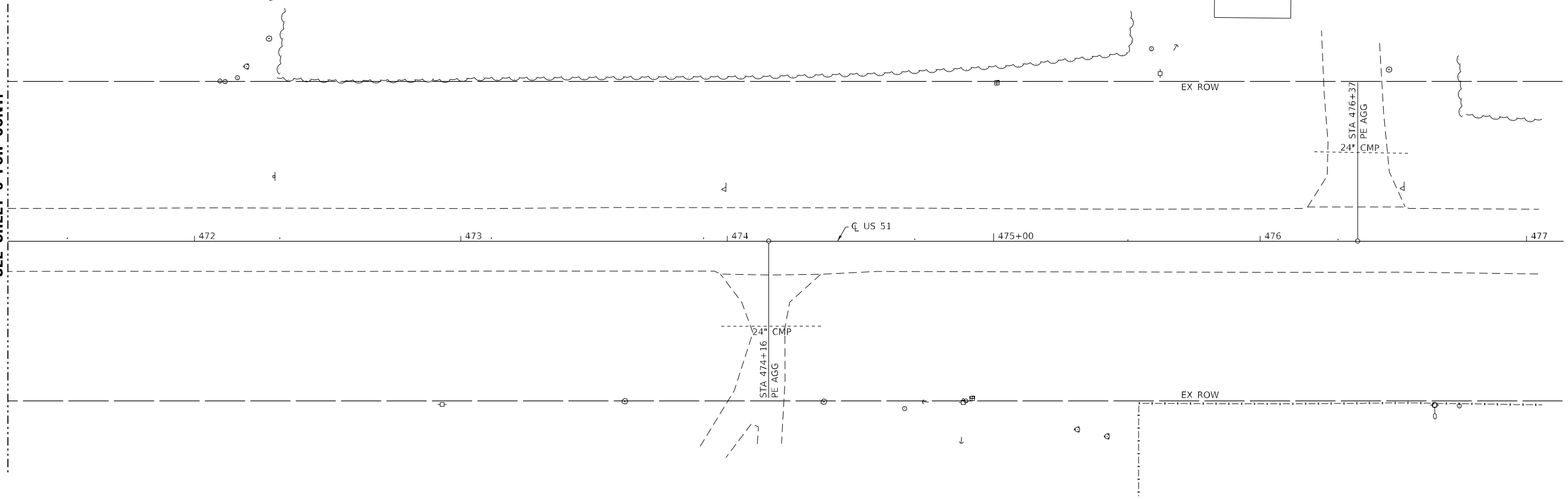
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	NOTE BOOK		
	NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS		
	NO.		

MODEL: Defaul  
FILE NAME: Y:\DOT\1359-11-78199\CADD\Highway\CADD Sheets\DP78 198-st-clipr01.dgn



MATCH LINE STA 471+30  
SEE SHEET 3 FOR CONT.



USER NAME = IRC	DESIGNED - IRC	REVISED -
ESCA PROJECT NO. 1359.11	DRAWN - JPC	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/15/2023	DATE - 04/23	REVISED -

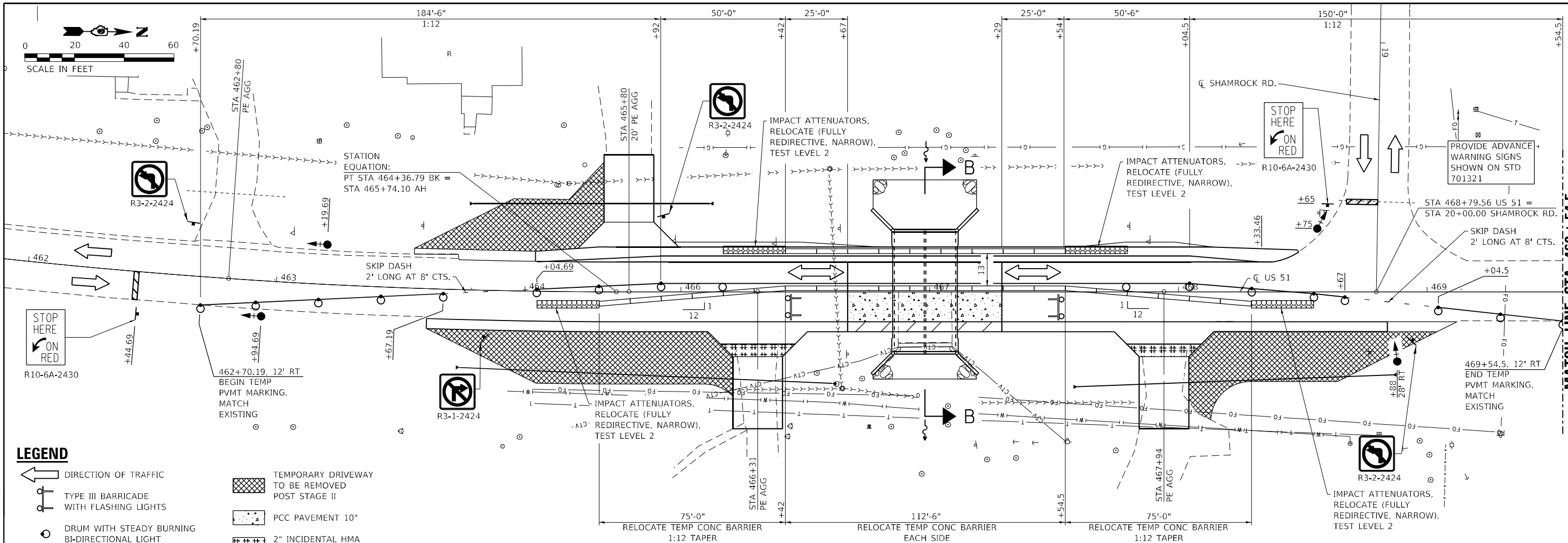
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FAP 322 (US 51) PLAN AND PROFILE**

SCALE: AS SHOWN SHEET 4 OF 4 SHEETS STA. 471+30.00 TO STA. 477+00.00

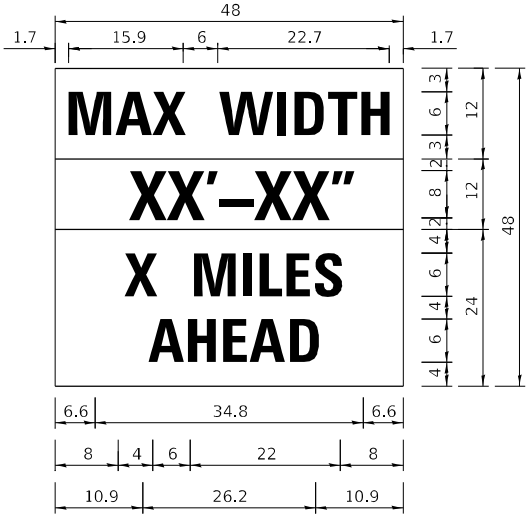
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	19
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				





**STAGE II PLAN**

- LEGEND**
- DIRECTION OF TRAFFIC
  - TYPE III BARRICADE WITH FLASHING LIGHTS
  - DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
  - TRAFFIC SIGNAL WITH BACKPLATE, SIGNAL DIRECTION INDICATED
  - TEMPORARY DRIVEWAY TO BE REMOVED POST STAGE II
  - PCC PAVEMENT 10"
  - 2" INCIDENTAL HMA SURFACING
  - PCC SHOULDERS, 10"



**W12-1103**

W12-1103 (Width is 8D);  
 No border, Black on White;  
 "MAX WIDTH" D;  
 No border, Black on Orange;  
 "XX'-XX\"/>

NOTE: THIS SIGN SHALL BE LOCATED AS DIRECTED BY THE ENGINEER. ONE SIGN SHALL BE PROVIDED FOR EACH APPROACH TO THE SITE.

**STAGE II SCHEDULE OF QUANTITIES**

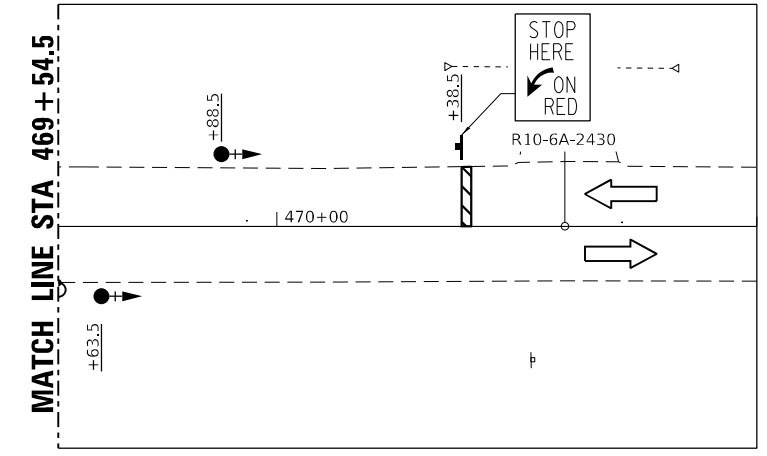
RELOCATE TEMPORARY CONCRETE BARRIER			
STATION, O/S	TO	STATION, O/S	FEET
464+29.81, 5.75' RT		466+42, 0.5' LT	75.0'
466+42, 0.5' LT		467+54.5, 0.5' LT	112.5'
467+54.5, 0.5' LT		468+29.24, 5.75' RT	75.0'
466+42, 15.375' LT		467+54.5, 15.375' LT	112.5'
STAGE II TOTAL			375.0'

PINNING TEMPORARY CONCRETE BARRIER				
STATION	TO	STATION	TYPE	EACH
466+67		467+29.5	CONTINUOUS	15
466+42		466+67	TRANSITION	3
467+29.5		467+54.5	TRANSITION	3
STAGE II TOTAL				21

IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 - 4 EACH

**GENERAL NOTES**

- ADVANCE WIDTH RESTRICTION WARNING SHALL BE INCLUDED IN THE COST OF STANDARD 701321.
- THE DIMENSION SHOWN ON THE WIDTH RESTRICTION SIGN (W12-1102(0)-48) SHOWN ON STANDARD 701321 AND ON THE ADVANCE WARNING SIGN (W12-1103) SHOWN ON SHALL BE 11'-6" FOR STAGE II CONSTRUCTION.
- TEMPORARY BRIDGE TRAFFIC SIGNALS SHALL BE A 3-PHASE SIGNAL WITH ACTUATION PROVIDED FOR SHAMROCK ROAD.
- ANY TIME THE CONCRETE BARRIER IS NOT IN THE PROPER POSITION, FLAGGERS SHALL BE IN PLACE TO CONTROL TRAFFIC, THE TEMPORARY TRAFFIC SIGNALS SHALL BE SET TO FLASH ALL RED.
- THE STAGE II CONSTRUCTION SHALL INCLUDE COMPLETION OF THE EARTHWORK, PIPE CULVERTS, PCC PAVEMENT, ENTRANCES, AND PCC SHOULDERS AS REFERENCED ON THIS SHEET AND DESCRIBED IN DETAIL ON THE PLAN AND PROFILE SHEETS.
- SAWCUT THE PCC SHOULDERS ON THE EAST SIDE TO LEAVE 4' WIDE POST STAGE II, COST INCLUDED IN PAVED SHOULDER REMOVAL.
- AFTER THE TEMPORARY DRIVEWAYS ARE REMOVED, THE TEMPORARY PORTION OF THE PIPE CULVERTS SHALL BE REMOVED. THE METAL FLARED END SECTION SHALL BE REMOVED FROM THE TEMPORARY END AND RESET ON THE END OF THE PIPE TO REMAIN, PAID FOR AS REMOVE AND RELOCATE END SECTIONS.
- SEE HIGHWAY STANDARD 701321 FOR ADDITIONAL DETAILS. THE COST FOR ADDITIONAL ITEMS SHOWN ON THIS SHEET IS INCLUDED IN THE PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701321.
- A STRIP OF THE TEMPORARY DRIVEWAY AGGREGATE SHALL BE LEFT IN PLACE FROM STA 463+55 TO 464+04 LT AND 468+84 TO 469+12 RT TO PROVIDE AGGREGATE SHOULDER. SHOULDERS WILL TRANSITION FROM 4 FOOT WIDE MATCHING WIDTH OF THE EXISTING SHOULDERS.



**STAGE II PINNING PLAN**

MODEL: PLOT FILE NAME: Y:\00011399-11-78199\CADD\Highway\CADD\_Sheets\DP78199-sh-ct-stageing02.dgn



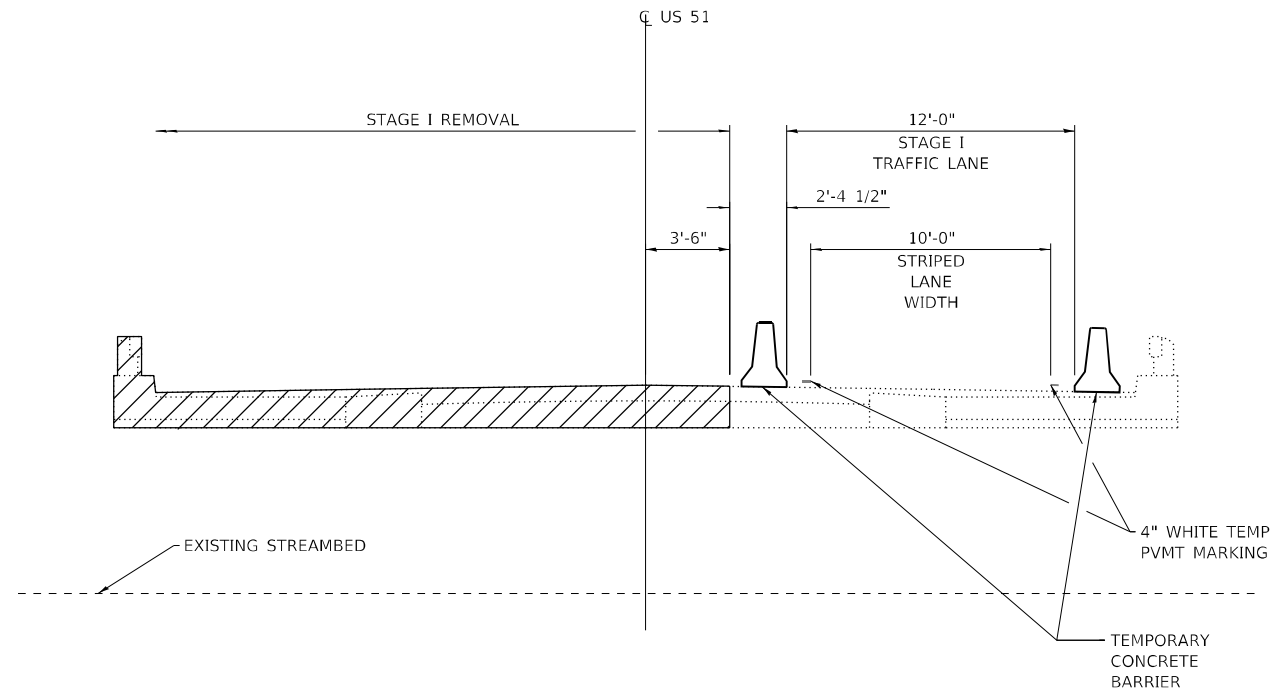
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ESCA PROJECT NO. 1359.11	DRAWN - IRC	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/29/2023	DATE - 08/23	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

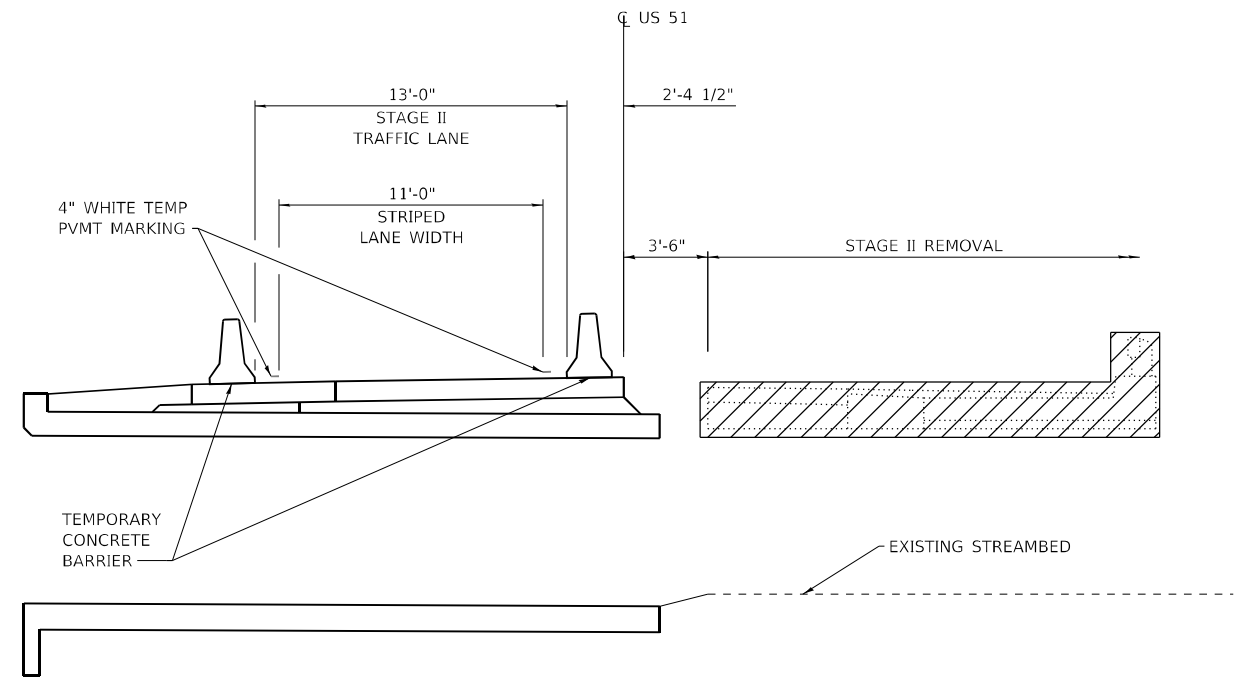
**STAGE II TRAFFIC CONTROL**

SCALE: AS SHOWN SHEET 1 OF 1 SHEETS STA. 461+90.00 TO STA. 471+00.00

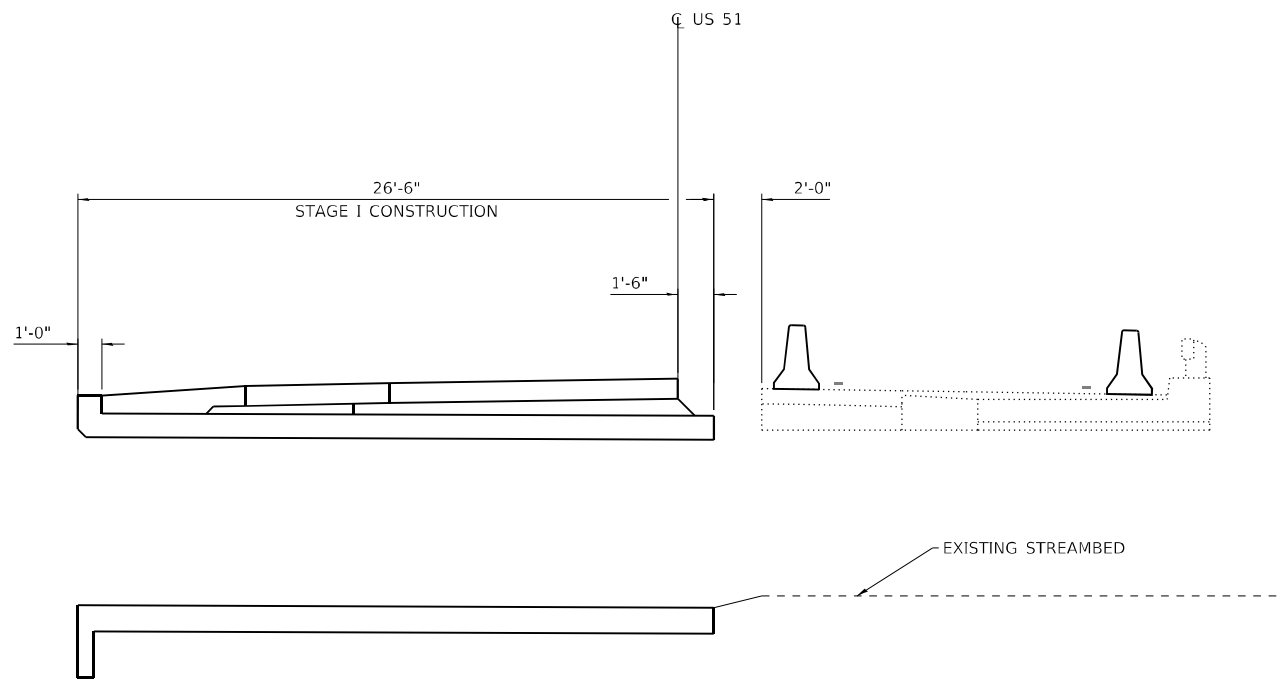
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	21
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				



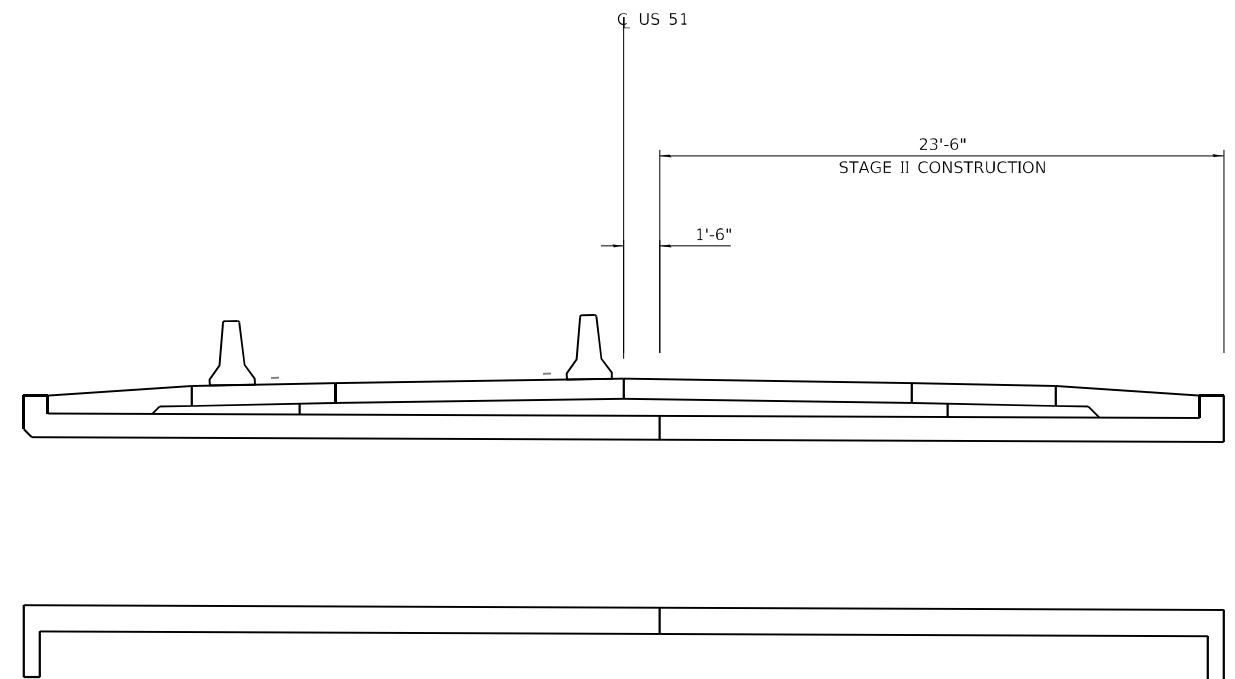
**SECTION A-A  
REMOVAL**



**SECTION B-B  
REMOVAL**



**SECTION A-A  
CONSTRUCTION**



**SECTION B-B  
CONSTRUCTION**

MODEL PLOT FILE NAME: Y:\DOT\1359-11\_78199\CADD\Highway\CADD\_Sheets\DP78199-sh-c-staging03.dgn



USER NAME = IRC  
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 PLOT DATE = 8/15/2023

DESIGNED - IRC  
 DRAWN - IRC  
 CHECKED - ELH  
 DATE - 04/23

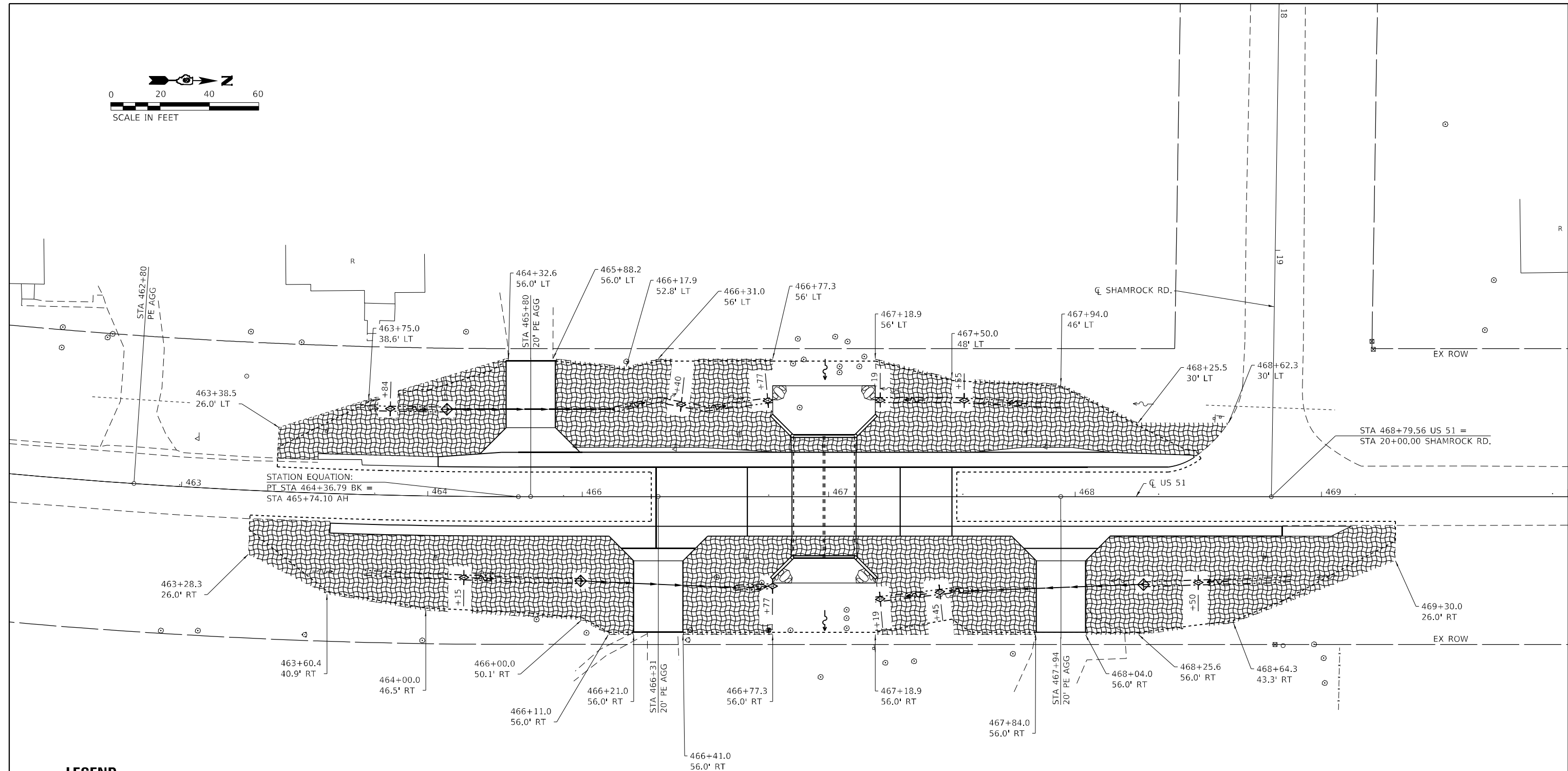
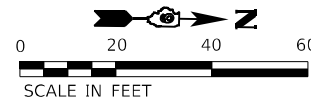
REVISED -  
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 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION SECTIONS**





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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	22
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				



STATION EQUATION:  
 PT STA 464+36.79 BK =  
 STA 465+74.10 AH

**LEGEND**

-  EROSION CONTROL BLANKET
-  CONSTRUCTION LIMITS
-  TEMPORARY DITCH CHECK
-  INLET AND PIPE PROTECTION

MODEL: Default  
 FILE NAME: Y:\DOT\1359-11\_78199\CADD\Highway\CADD\_Sheets\DS78199-eh-eros01.dgn



USER NAME = IRC	DESIGNED - IRC	REVISED -
ESCA PROJECT NO. 1359,11	DRAWN - IRC	REVISED -
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PLOT DATE = 8/29/2023	DATE - 08/23	REVISED -







**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

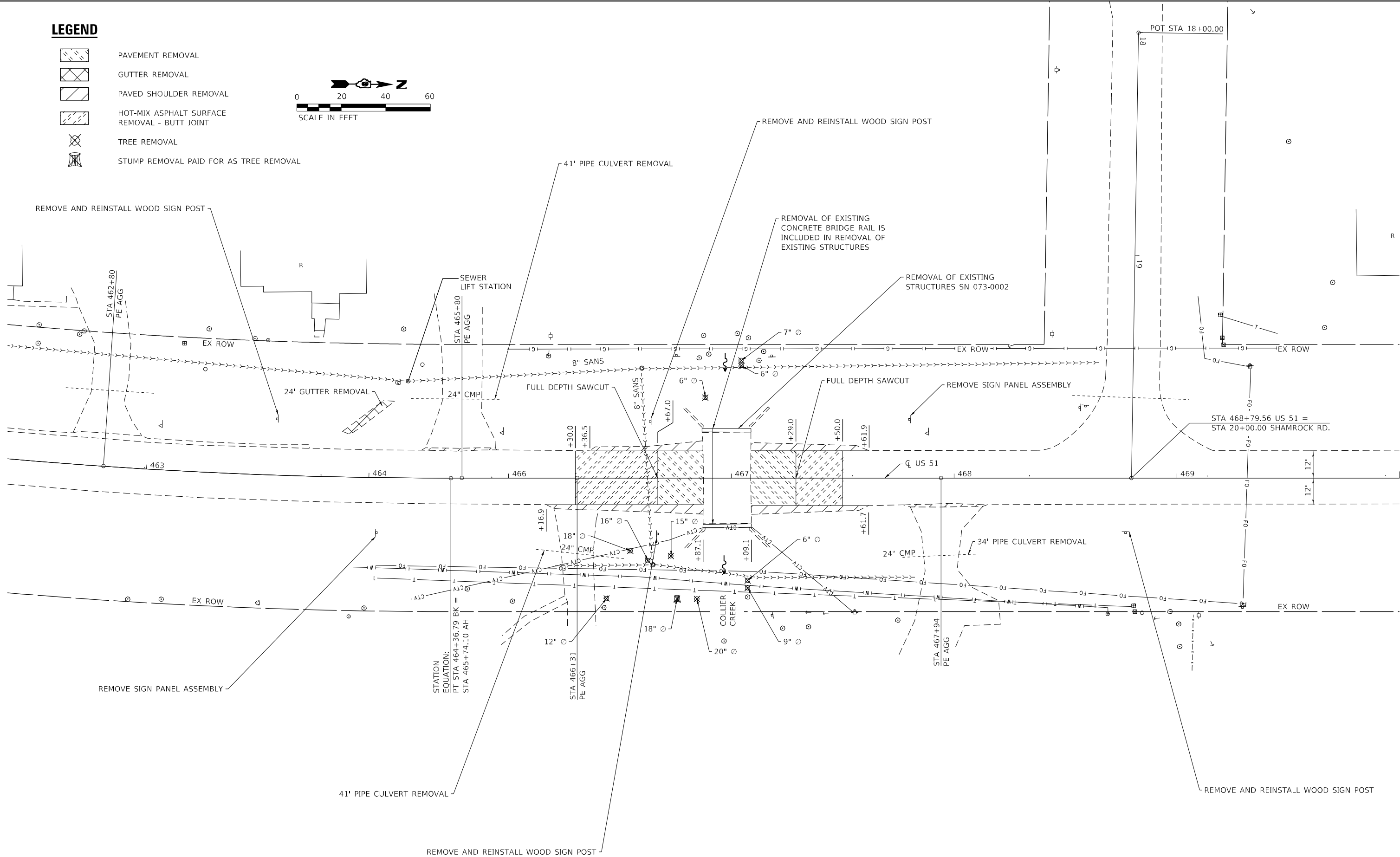
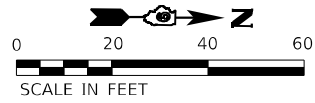
**EROSION CONTROL PLAN**

SCALE: AS SHOWN SHEET 1 OF 1 SHEETS STA. 462+30.00 TO STA. 470+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	68-1	PERRY	61	23
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  PAVEMENT REMOVAL
-  GUTTER REMOVAL
-  PAVED SHOULDER REMOVAL
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  TREE REMOVAL
-  STUMP REMOVAL PAID FOR AS TREE REMOVAL



NOTE: THE COST OF REMOVAL OF WEIGHT LIMIT SIGNS INCLUDED IN EARTHWORK

MODEL: Default; FILE NAME: Y:\DOT\1359-11\_78199\CADD\Highway\CADD\_Sheets\978199-sh-cen01.dwg



USER NAME = IRC	DESIGNED - IRC	REVISED -
ESCA PROJECT NO. 1359.11	DRAWN - IRC	REVISED -
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PLOT DATE = 8/15/2023	DATE - 08/23	REVISED -

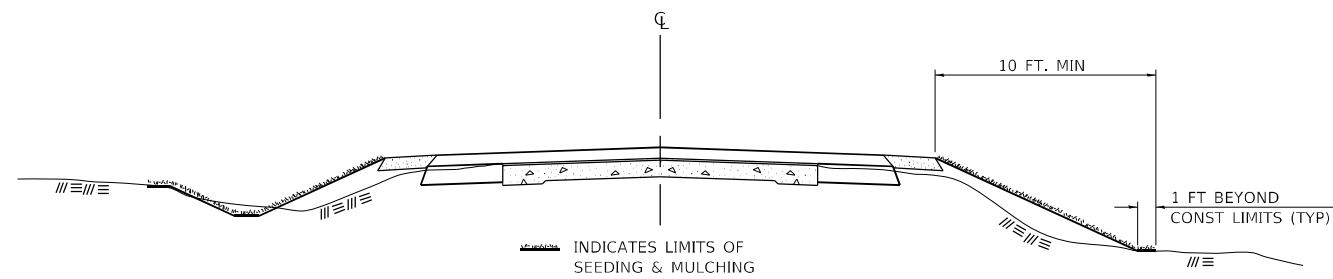
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

<b>REMOVAL PLAN</b>	
SCALE: AS SHOWN	SHEET 1 OF 1 SHEETS
STA. 462+37.50	TO STA. 470+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	24
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				



## SEEDING & MULCHING



### GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS. LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

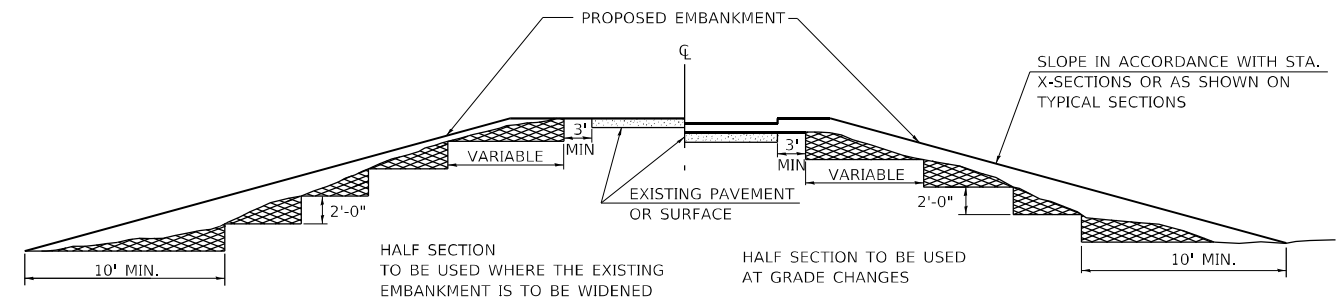
THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

STD. 9-12

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08
REVISED	5-16-13
REVISED	10-21-21

## TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



STEPS SHALL BE CUT IN THE EXISTING SLOPE IN ACCORDANCE WITH ART. 205.03 EXCEPT THAT THE REQUIREMENT THAT STEPS SHALL BE CUT INTO THE EXISTING SLOPE BEFORE THE CONSTRUCTION OF THE EXISTING EMBANKMENT IS STARTED SHALL NOT APPLY. MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

STD. 9-16

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
CHECKED	6-3-99
RESIZED	5-7-08
REVISED	5-17-13
REVISED	4-22-21
REVISED	10-21-21

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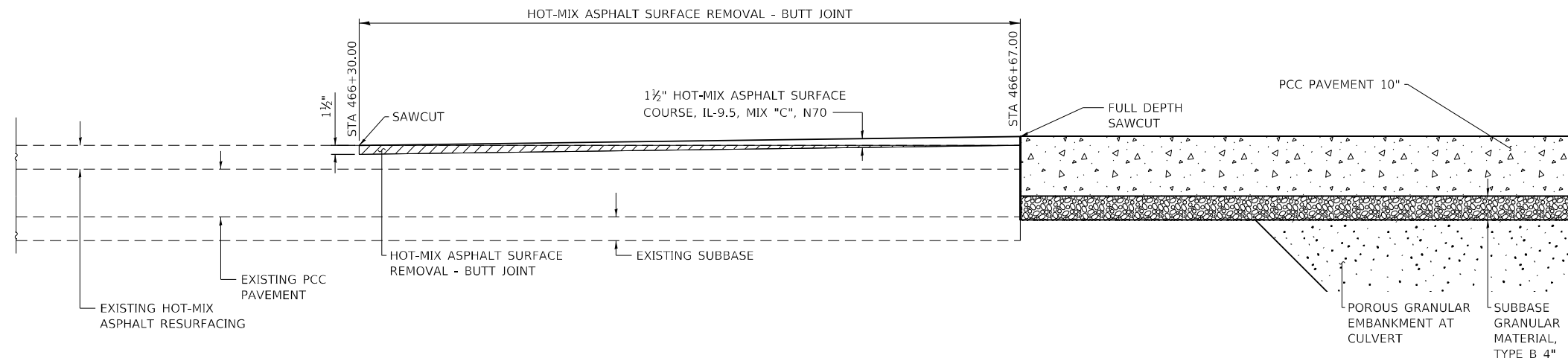


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PLOT DATE = 8/15/2023	DATE - 04/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

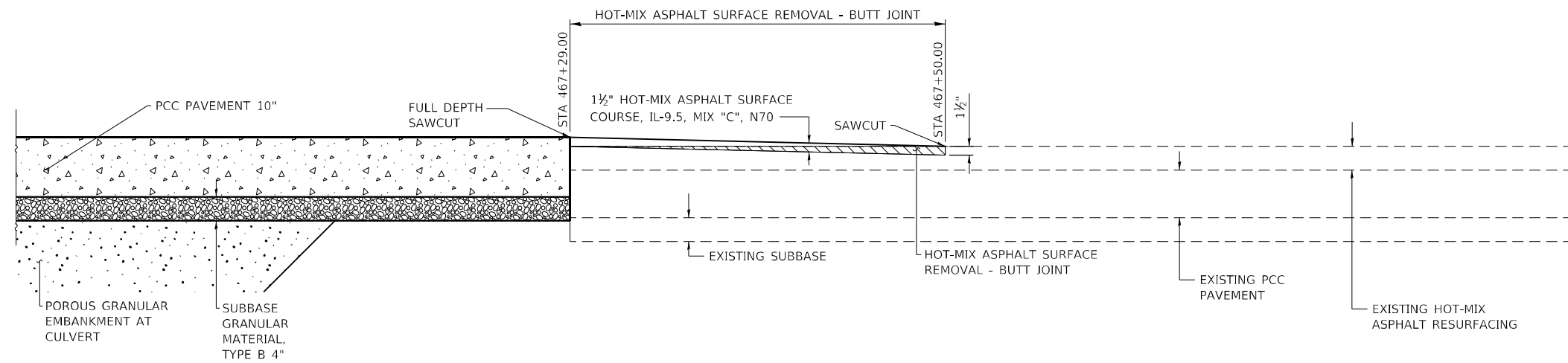
SEEDING AND MULCHING & STEP CONSTRUCTION ON EXISTING FILL			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	25
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				



**LONGITUDINAL SECTION**

FAP 322 (US 51) STA 466+30.00 TO STA 466+98.00



**LONGITUDINAL SECTION**

FAP 322 (US 51) STA 466+98.00 TO STA 467+50.00

MODEL\_PLOT  
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ESCA PROJECT NO. 1359.11
PLOT SCALE = 0.1667' / in.
PLOT DATE = 8/15/2023

DESIGNED - IRC
DRAWN - IRC
CHECKED - ELH
DATE - 04/23

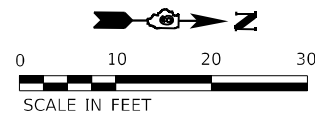
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

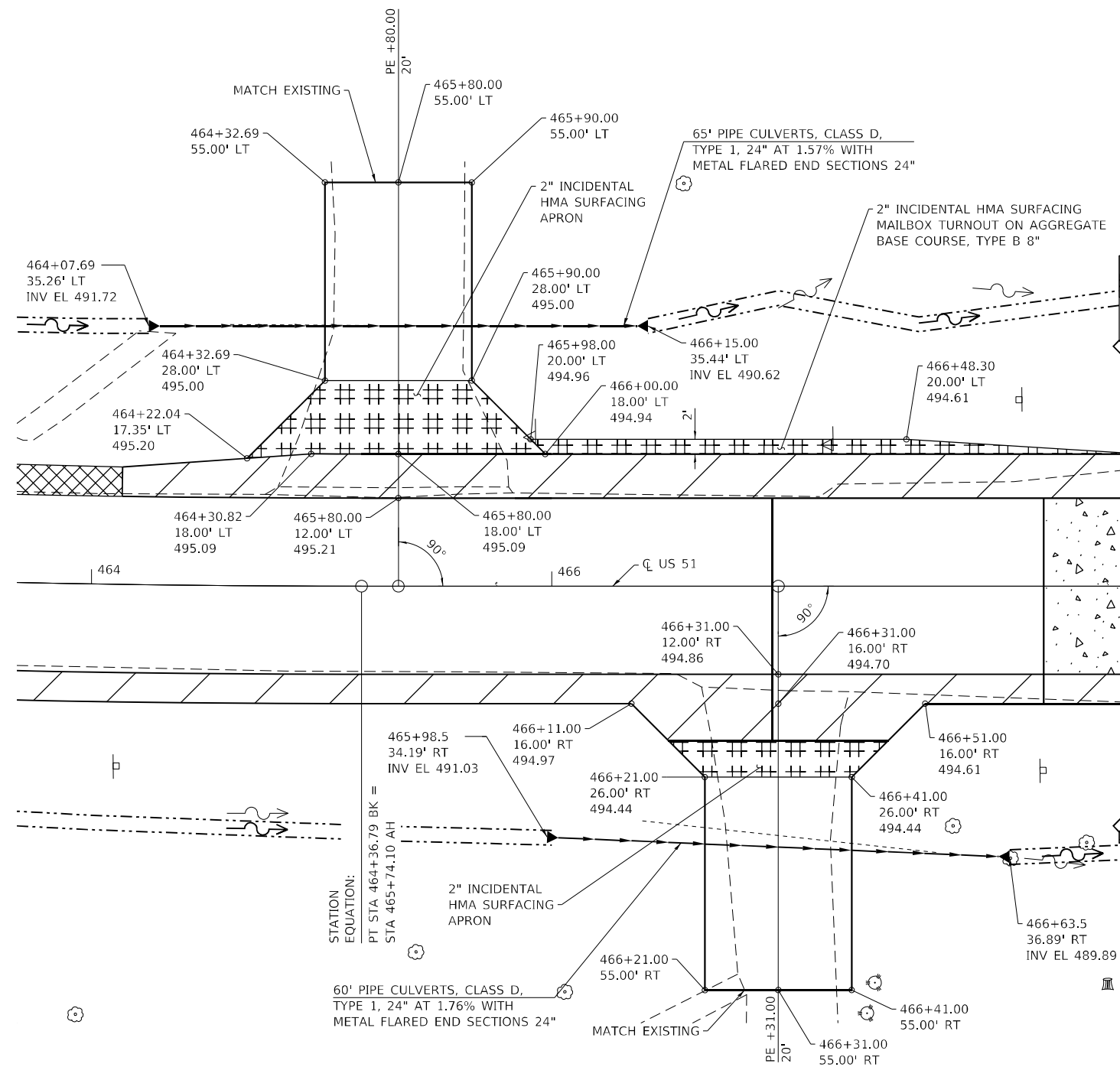
**PAVEMENT TRANSITION DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

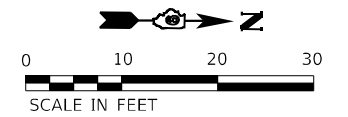
F.A.P. RTE. 322	SECTION 6B-1	COUNTY PERRY	TOTAL SHEETS 61	SHEET NO. 26
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				



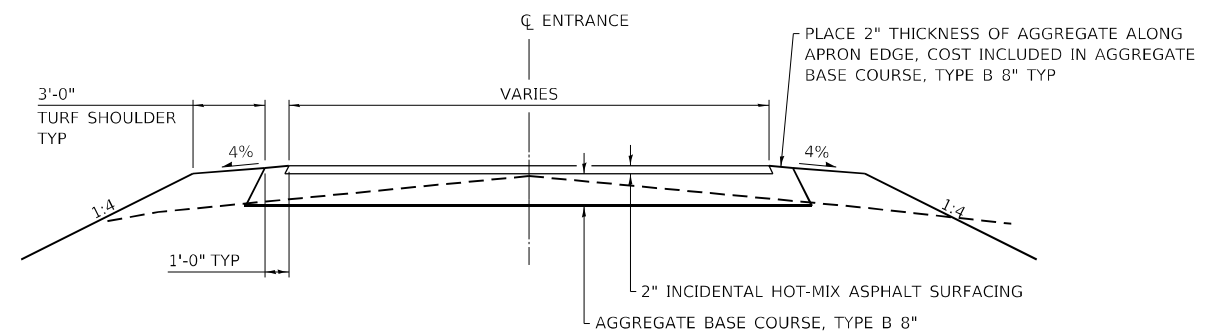
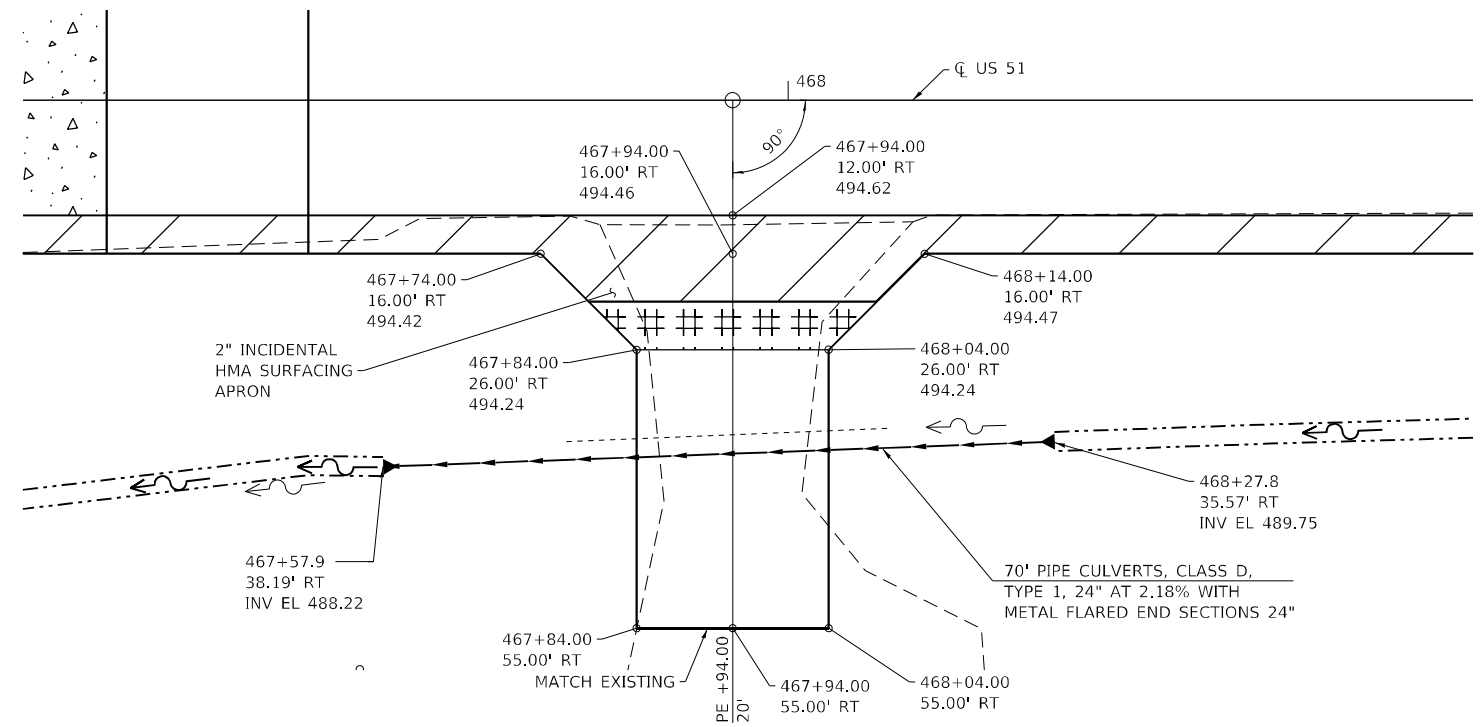
**PE STA 465 + 80.00, LT**



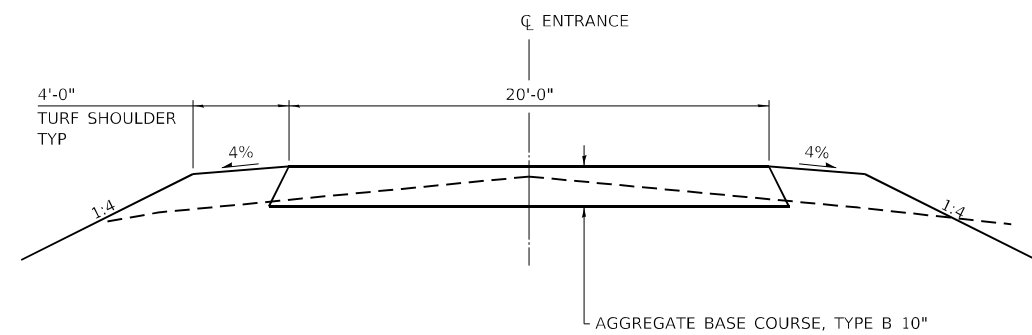
**PE STA 466 + 31.00, RT**



**PE STA 467 + 94.00, RT**



**ENTRANCE TYPICAL SECTION (APRON)**



**ENTRANCE TYPICAL SECTION**

MODEL: PLOT FILE: NAME: Y:\PROJECTS\1359-11\_78199\CADD\Highway\CADD\_Sheets\DWG\8199-RT-Details.dwg



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 ESCA PROJECT NO. 1359.11  
 PLOT SCALE = 0.1667' / in.  
 PLOT DATE = 8/15/2023

DESIGNED - IRC  
 DRAWN - IRC  
 CHECKED - ELH  
 DATE - 04/23

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

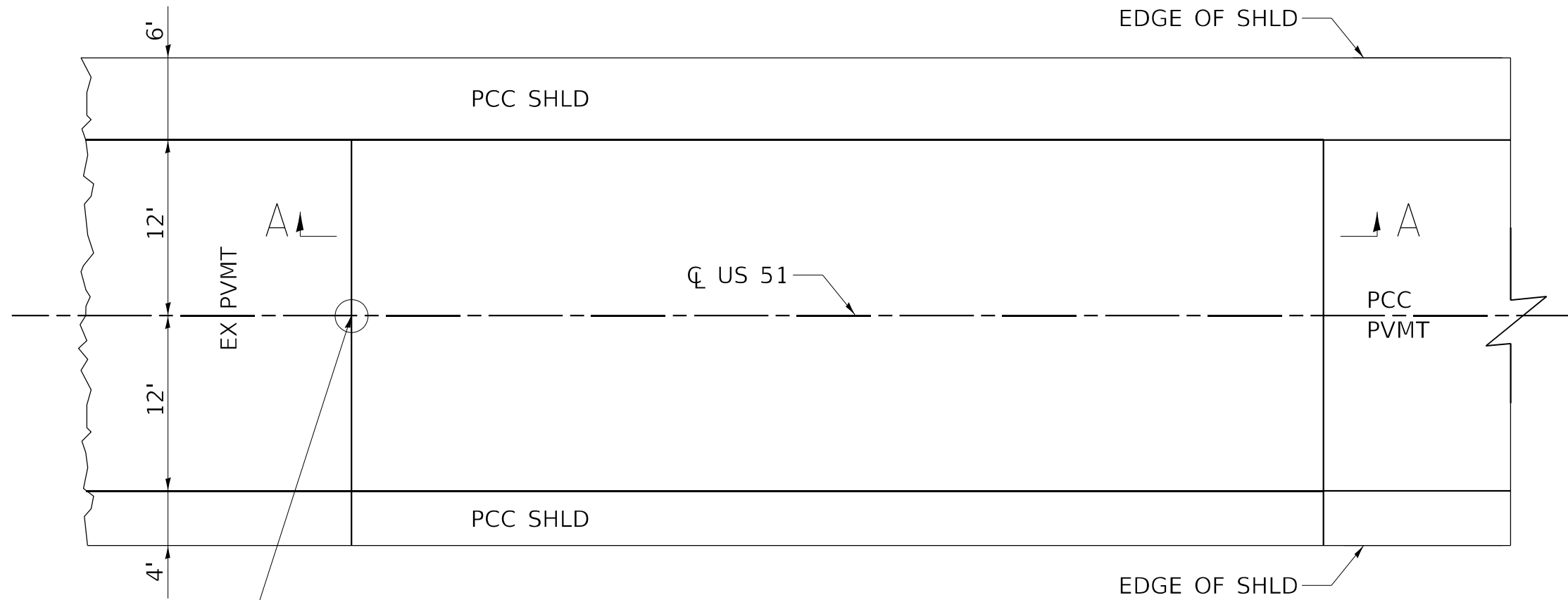
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ENTRANCE DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

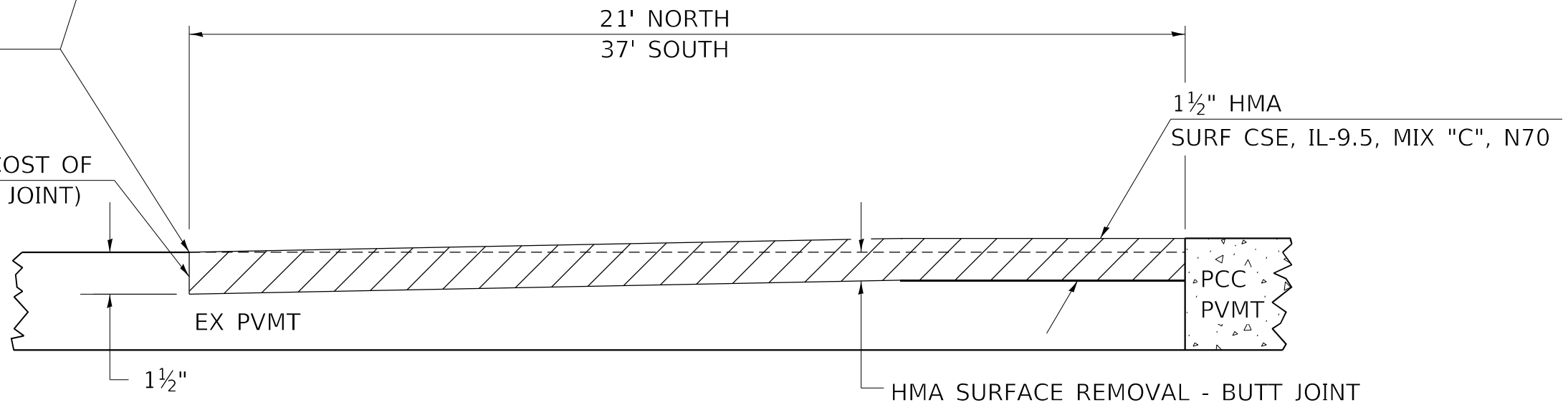
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	27
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

# BUTT JOINT



STA 467+50.00 NORTH  
STA 466+30.00 SOUTH

SAW CUT (INCLUDED IN THE COST OF  
HMA SURFACE REMOVAL-BUTT JOINT)



## SECTION A-A

MODEL\_PLOT  
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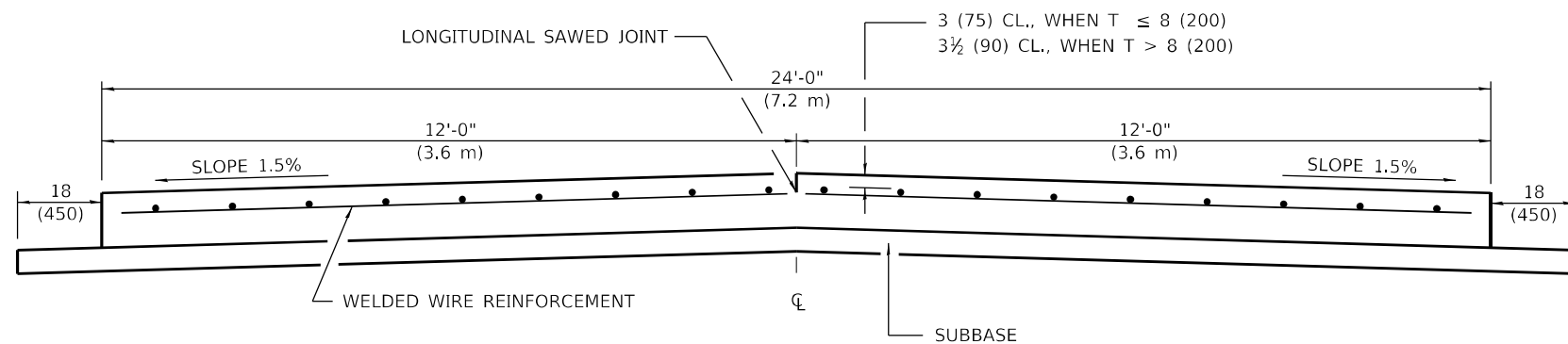
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT DETAILS**

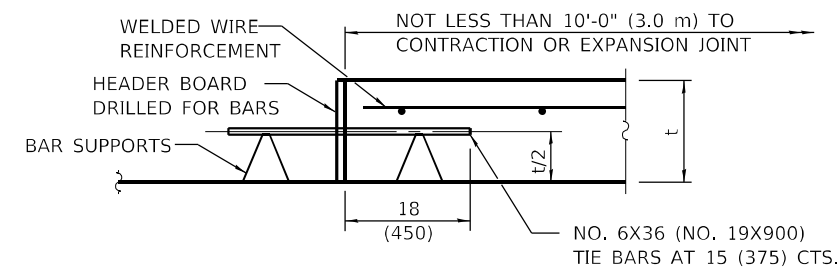
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	28
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

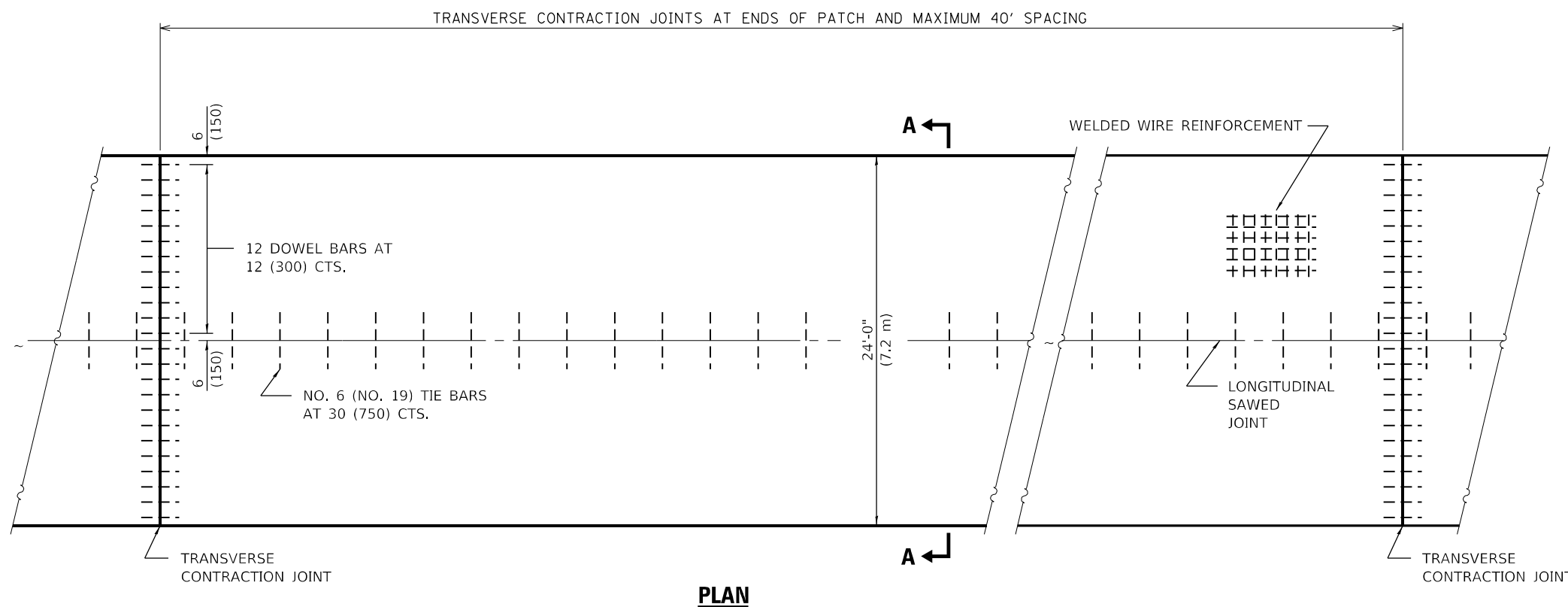
## 24' (7.2 m) PCC PAVEMENT OVER BOX CULVERT



**SECTION A-A**  
(TYPICAL 2-LANE WITH SHOULDERS)



**TRANSVERSE CONSTRUCTION JOINT**  
(IF NEEDED PER STANDARD SPECIFICATIONS)



**PLAN**

### GENERAL NOTES

- SEE STANDARD 420001 FOR DETAILS NOT SHOWN.
- SEE STANDARD 420701 FOR WELDED WIRE REINFORCEMENT DETAILS.
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- ACTUAL DIMENSIONS TO MATCH FIELD CONDITIONS AND CONSTRUCTION METHODS.

### REVISIONS

DRAWN	11-9-17
REVISED	7-23-18
REVISED	10-21-21

STD. 9-25

MODEL\_PLOT  
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PLOT DATE = 8/15/2023	DATE - 04/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**24' PCC PAVEMENT OVER BOX CULVERT**

SCALE: NONE    SHEET NO. 1 OF 1    SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	29
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				



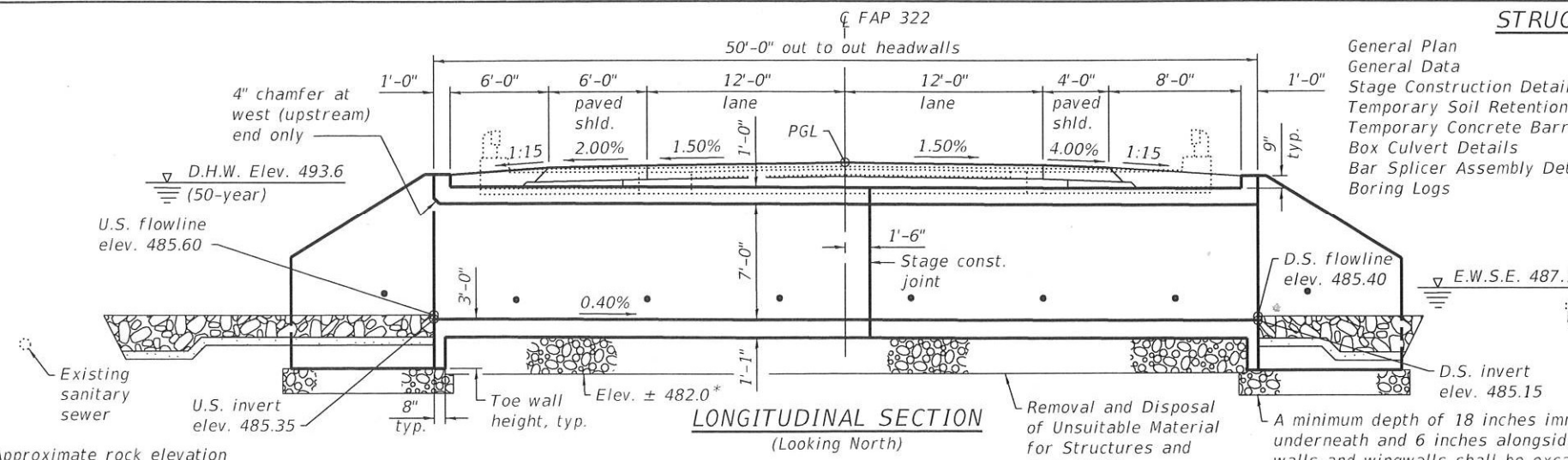
BENCHMARK: BM7300021 - A "U" cut on hub guard on the S.E. corner of SN 073-0002, sta. 466+88, 20' rt., elev. 494.856 (NAVD 88).

**EXISTING STRUCTURE:**  
SN 073-0002 was originally constructed in 1921 as SBI Route 2, Section 6-B. The bridge is a single-span reinforced concrete slab supported on closed abutments on spread footings. The bridge is 22'-0" long back-to-back abutments and has an out-to-out width of 44'-4". The bridge is not skewed. Traffic will be maintained using stage construction.

No salvage.

**STRUCTURE INDEX OF SHEETS**

General Plan	Sheet No. 1 of 11
General Data	Sheet No. 2 of 11
Stage Construction Details	Sheet No. 3 of 11
Temporary Soil Retention System	Sheet No. 4 of 11
Temporary Concrete Barrier	Sheet No. 5 of 11
Box Culvert Details	Sheet No. 6-8 of 11
Bar Splicer Assembly Details	Sheet No. 9 of 11
Boring Logs	Sheet No. 10-11 of 11



\*Approximate rock elevation and may vary  
\*\*Remove a minimum of 12 inches below the bottom of the box culvert elevation. Rock Excavation may be required.

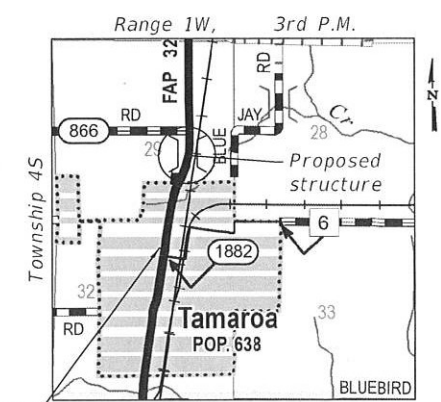
**LOADING HL-93**  
Allow 50 psf for future wearing surface

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

**DESIGN STRESSES**

**FIELD UNITS**

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



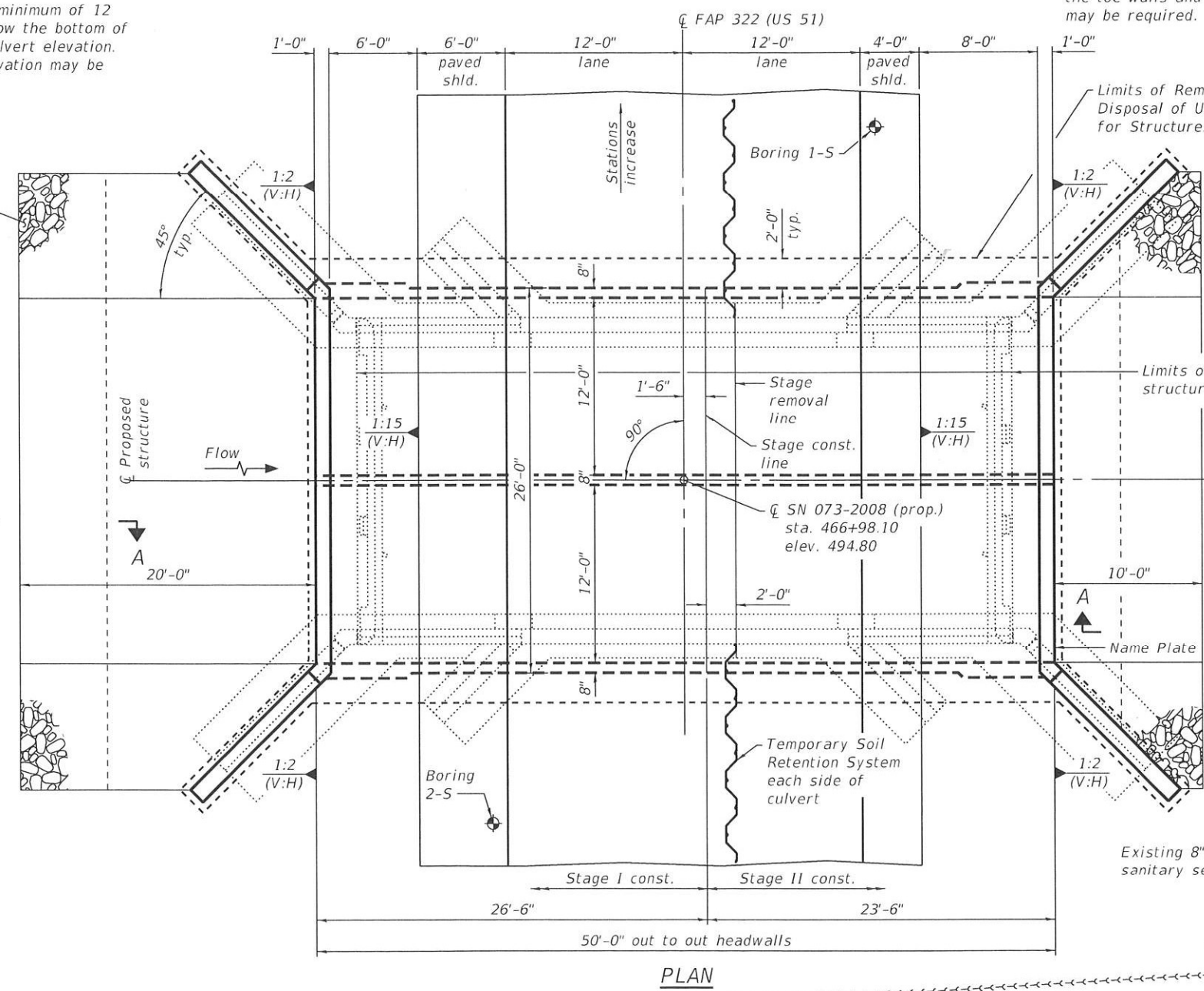
**LOCATION SKETCH**

**APPROVED**  
For Structural Adequacy Only  
*James F. Schill*  
Engineer of Bridges & Structures

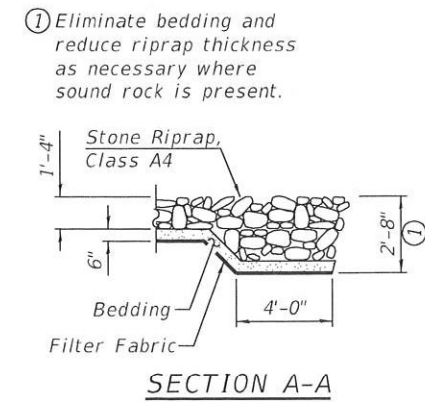


EXPIRES 11-30-24  
*Signature*  
SIGNATURE  
07-17-23  
DATE

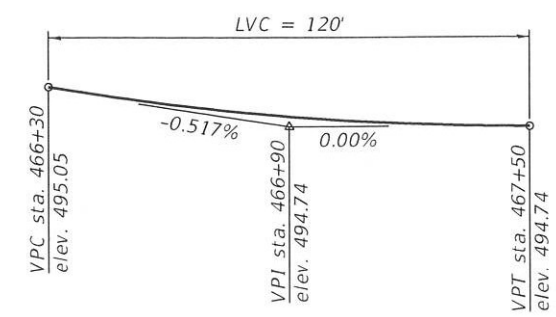
**GENERAL PLAN**  
**US 51 OVER COLLIER CREEK**  
**FAP ROUTE 322 - SECTION 6B-1**  
**PERRY COUNTY**  
**STATION 466+98.10**  
**STRUCTURE NO. 073-2008**



**PLAN**



**SECTION A-A**



**PROFILE GRADE**  
(Along US 51)

MODEL: PLOT FILE NAME: I:\DOT\1359-11-78199\CADD\SP SN073-2008\0732008-78199-01-GenPlan.dgn 7/18/2023 1:56:39 PM



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PLOT DATE = 7/18/2023	CHECKED - ELH 06/23	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

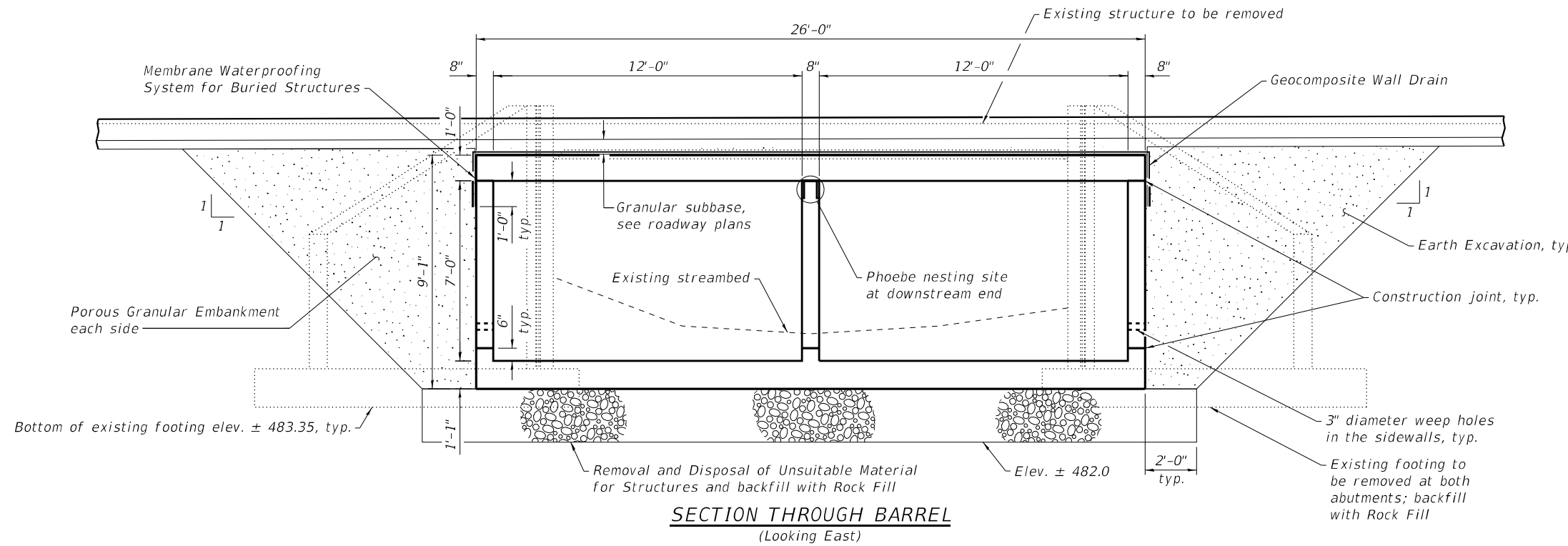
**SN 073-2008 GENERAL PLAN**

SHEET 1 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78199	

**GENERAL NOTES**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
3. Precast alternate is not allowed.
4. Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.
5. Existing structure to be completely removed within 2 feet of the proposed culvert barrel and wingwall footprint.
6. The Contractor shall halt the excavation at the bottom of culvert and request a soils test from IDOT District 9. The District Geotechnical Engineer will evaluate the need for additional excavation and determine the limits of Rock Fill.



Notes:  
Soil excavation for construction of the box culvert (except unsuitable culvert foundation material), including the soil excavation necessary to construct the granular backfill, is included in Earth Excavation, see roadway plans.

STA. 466+98.10  
BUILT 20\_\_ BY  
STATE OF ILLINOIS  
F.A.P. RT. 322 SEC. 6B-1  
LOADING HL-93  
STR. NO. 073-2008

**NAME PLATE**  
See Std. 515001

**WATERWAY INFORMATION TABLE**

Flood	Freq. Yr.	Discharge (C.F.S.)	Waterway Opening (sq. ft.)		Natural H.W.E. (ft.)	Head (ft.)		Headwater Elev. (ft.)	
			Existing	Proposed		Existing	Proposed	Existing	Proposed
			Existing Overtopping Elev. 494.57 at Sta. 467+09			Proposed Overtopping Elev. 494.74 at Sta. 467+50			
Design	10	403	99	142	491.5	0.0	0.0	491.5	491.5
Overtop Existing	50	651	125	162	493.6	0.5	0.2	494.1	493.8
Overtop Proposed	60	692	125	-	494.0	0.6	-	494.6	-
Base	80	738	-	162	494.4	-	0.4	-	494.8
Scour Design Check	100	762	125	162	494.6	0.5	0.4	495.1	495.0
	200	883	125	162	495.7	0.1	0.1	495.8	495.8

10-year velocity through existing bridge = 4.0 ft/s  
10-year velocity through proposed culvert = 2.9 ft/s

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Rock Excavation	Cu. Yd.	10
Porous Granular Embankment	Cu. Yd.	280
Stone Riprap, Class A4	Sq. Yd.	128
Filter Fabric	Sq. Yd.	128
Removal of Existing Structures	Each	1
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	125
Reinforcement Bars, Epoxy Coated	Pound	34,360
Bar Splicers	Each	170
Name Plates	Each	1
Temporary Soil Retention System	Sq. Ft.	212
Concrete Box Culverts	Cu. Yd.	152.6
Geocomposite Wall Drain	Sq. Yd.	161
Membrane Waterproofing System for Buried Structures	Sq. Yd.	161
Rock Fill	Ton	210

See roadway plans for quantities of Temporary Concrete Barrier, Earth Excavation, and Pavement Removal.

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PLOT DATE = 8/15/2023

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CHECKED - ELH 05/23  
DRAWN - KAH/NHC 06/23  
CHECKED - ELH 06/23

REVISED -  
REVISED -  
REVISED -  
REVISED -

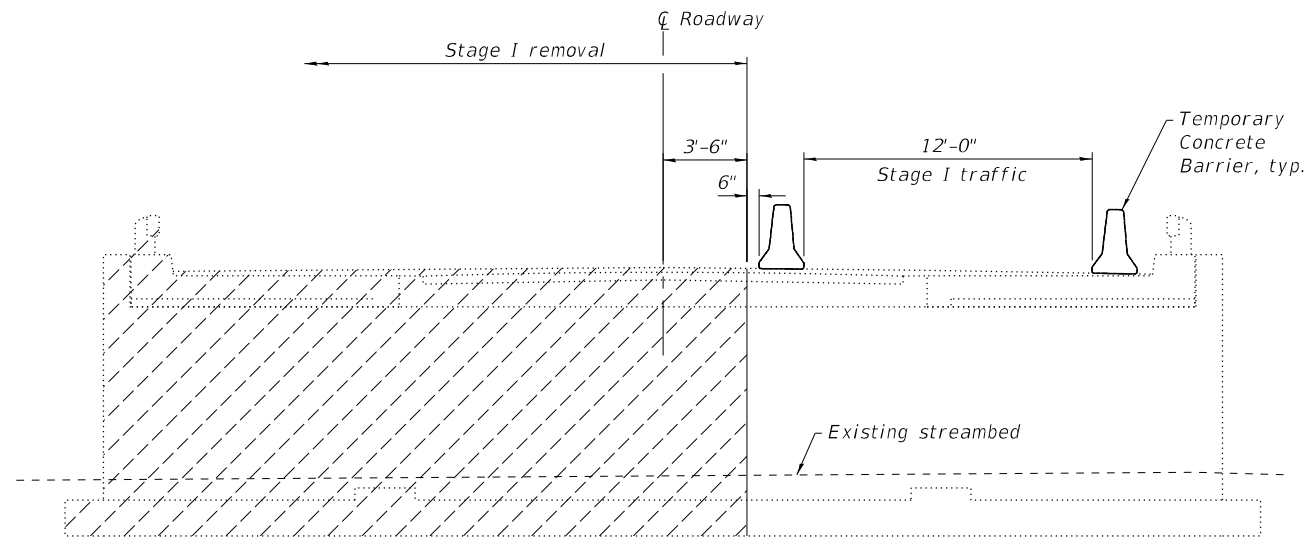
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL DATA  
STRUCTURE NO. 073-2008

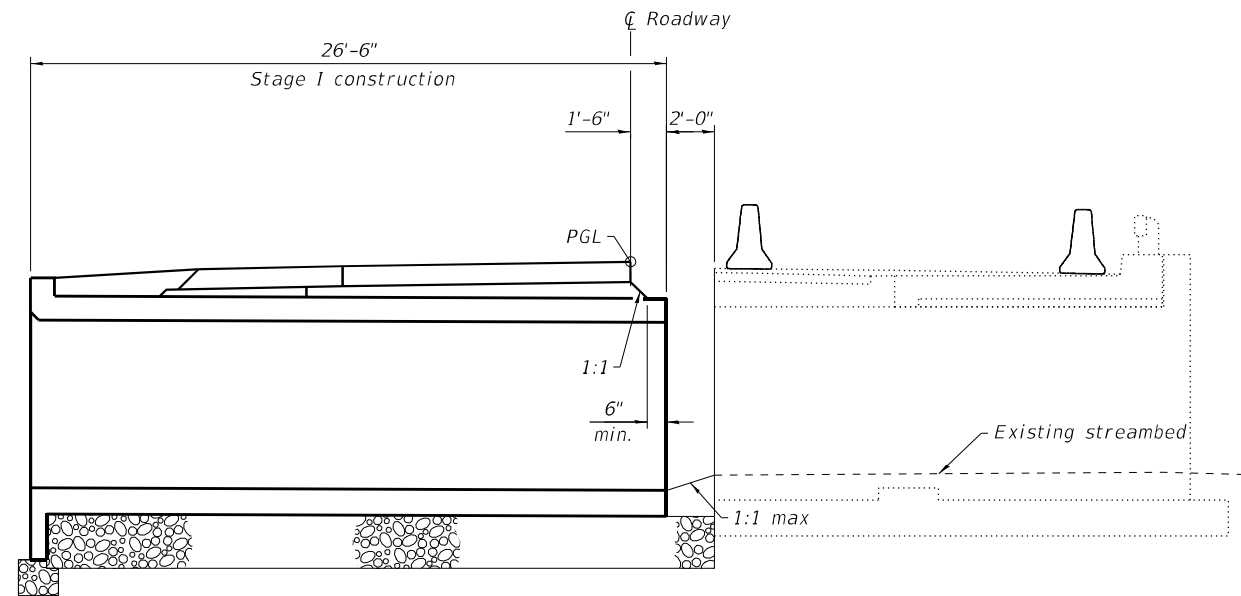
SHEET 2 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	32
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

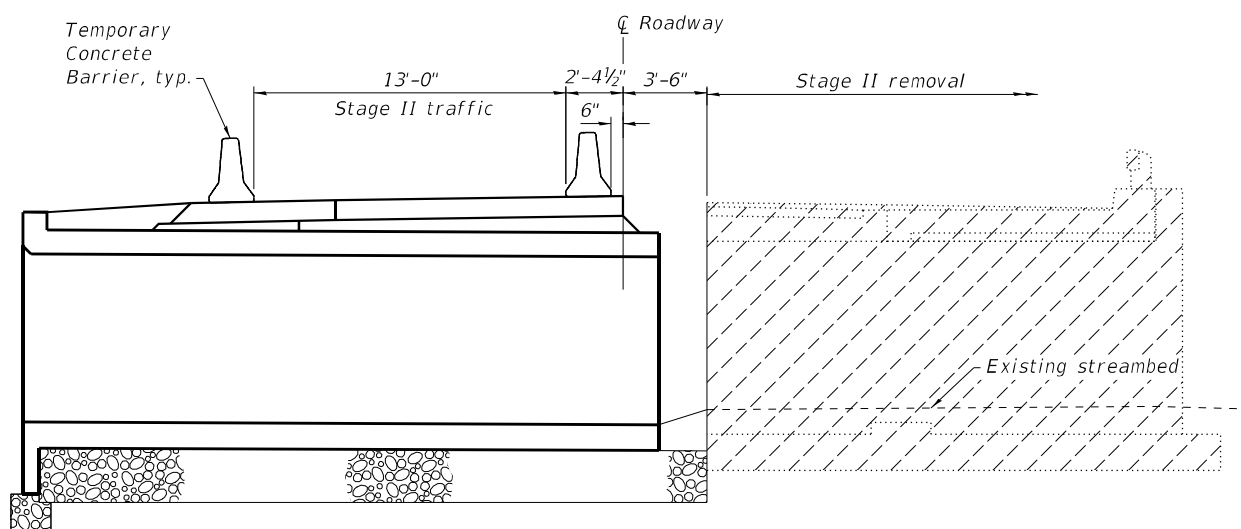




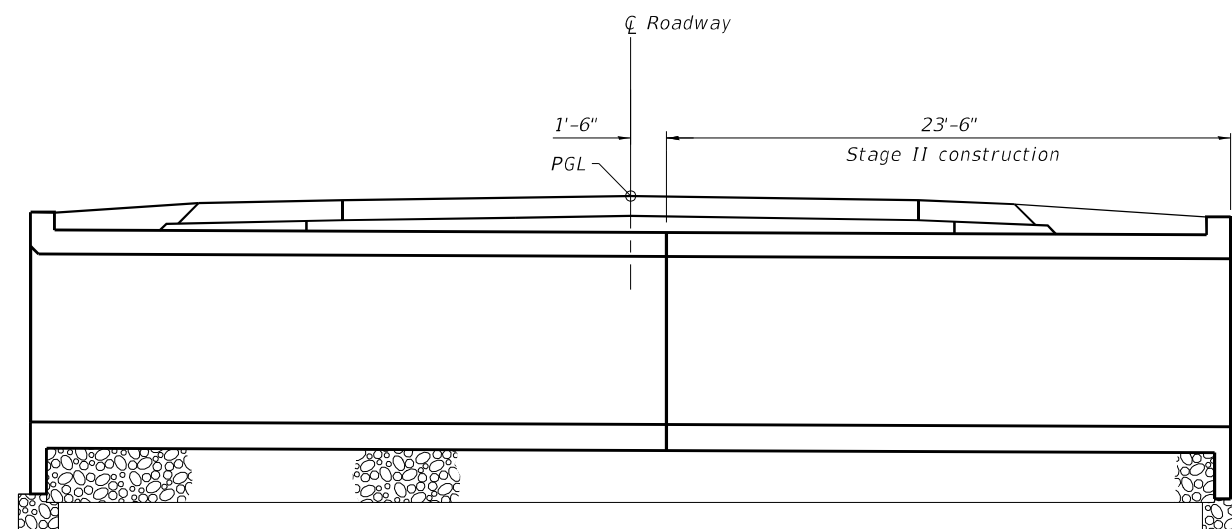
STAGE I REMOVAL



STAGE I CONSTRUCTION



STAGE II REMOVAL



STAGE II CONSTRUCTION

Notes:

1. All staging sections looking north.
2. Hatched areas indicate removal.
3. See roadway plans for quantity of Temporary Concrete Barrier.
4. Removal of existing concrete railing is included with Removal of Existing Structures.
5. Stage I traffic based on 2007 Structure Core Results and October 2022 field check.

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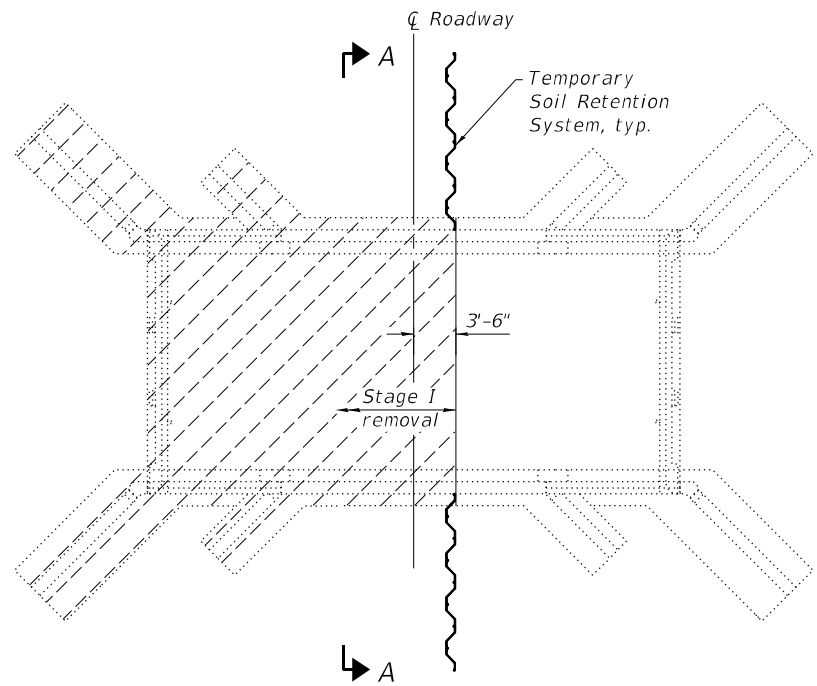
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PLOT DATE = 8/15/2023	CHECKED - ELH 06/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

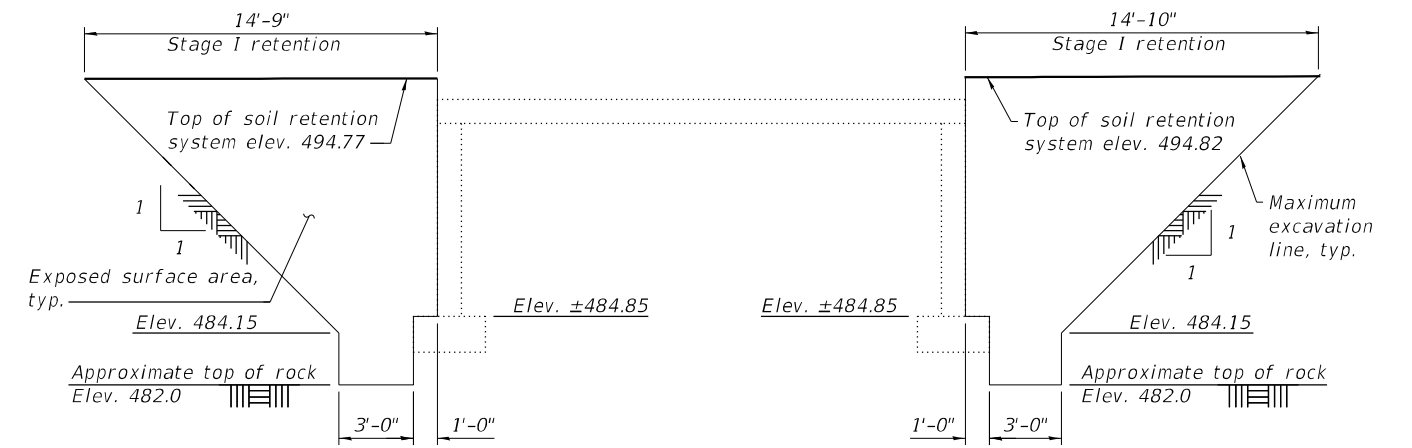
**STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 073-2008**

SHEET 3 OF 11 SHEETS

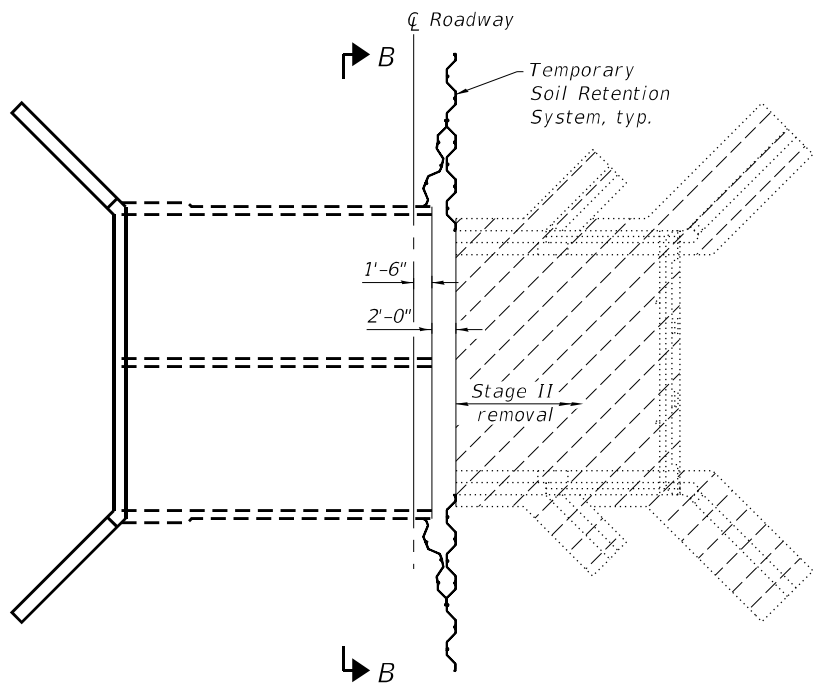
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	33
CONTRACT NO. 78199				
ILLINOIS		FED. AID PROJECT		



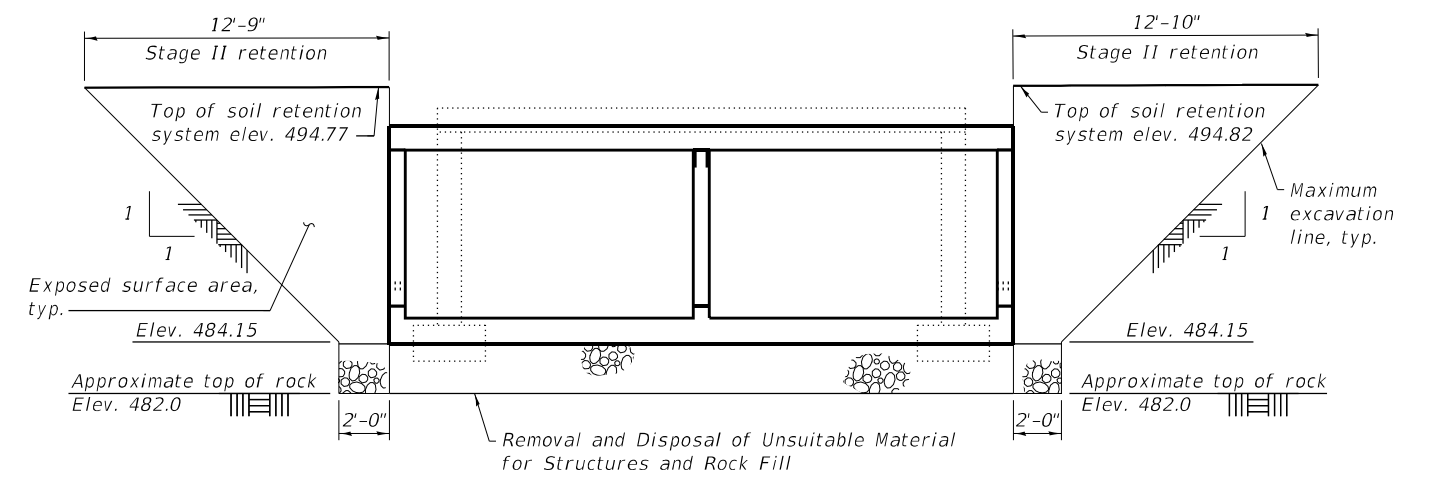
**PLAN**  
(Showing Stage I removal)



**VIEW A-A**  
(Showing Temporary Soil Retention System for Stage I construction)



**PLAN**  
(Showing Stage II removal)



**VIEW B-B**  
(Showing Temporary Soil Retention System for Stage II construction)

Note:  
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

MODEL: PLOT  
FILE NAME: Y:\DOT\1359-11\_78199\CADD\SP\_SN073-2008\0732008-78199-04-TempSoilReten.dgn



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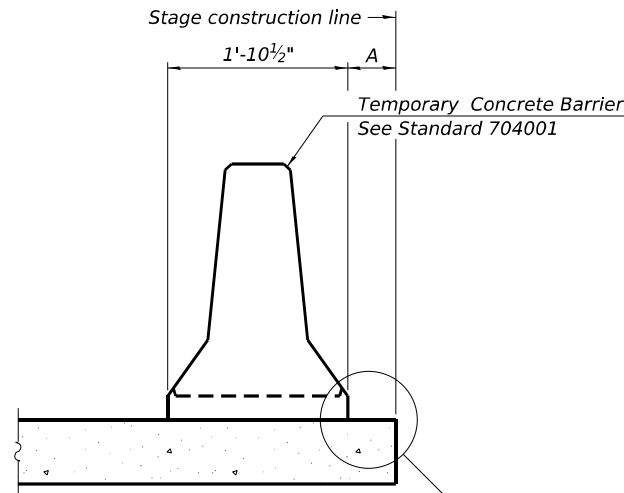
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SOIL RETENTION SYSTEM**  
**STRUCTURE NO. 073-2008**

SHEET 4 OF 11 SHEETS

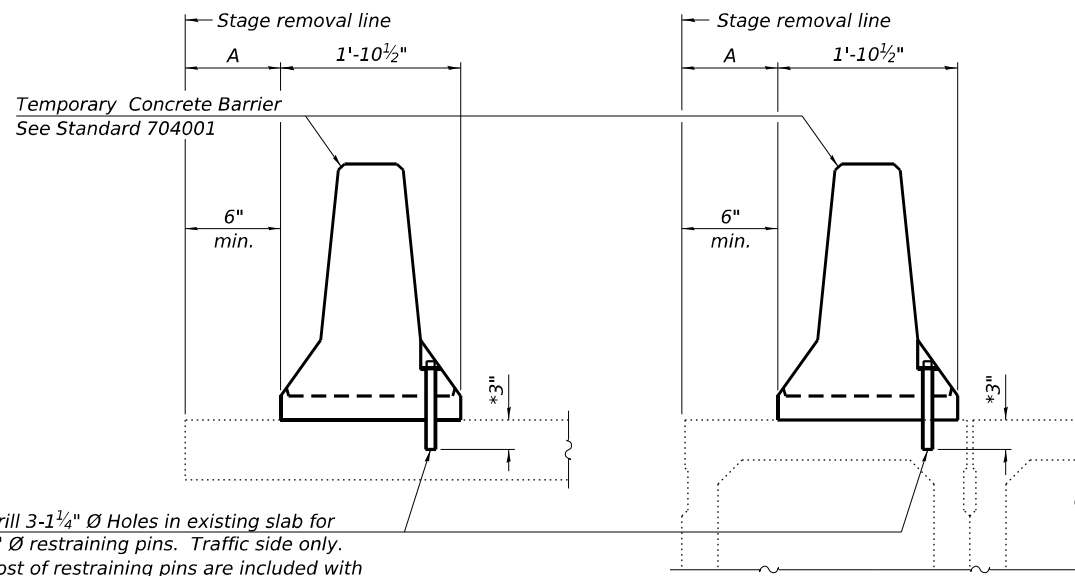
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	34
CONTRACT NO. 78199				

ILLINOIS FED. AID PROJECT



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

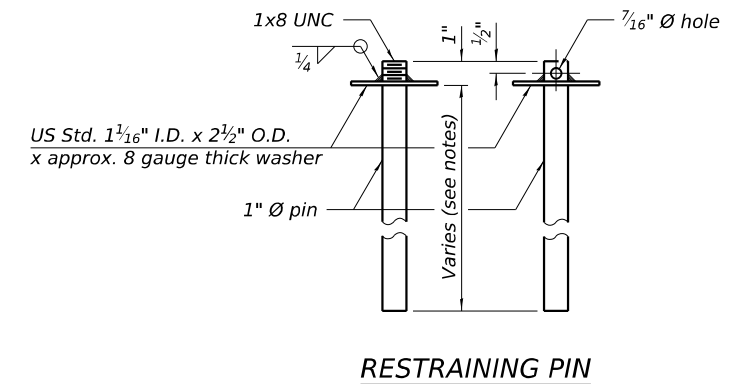


Drill 3-1 1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

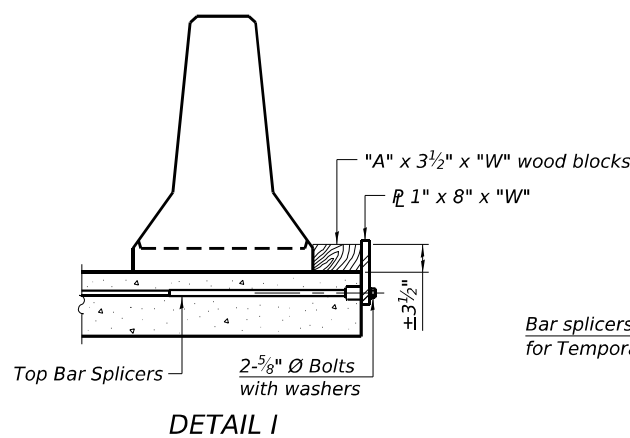
\* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

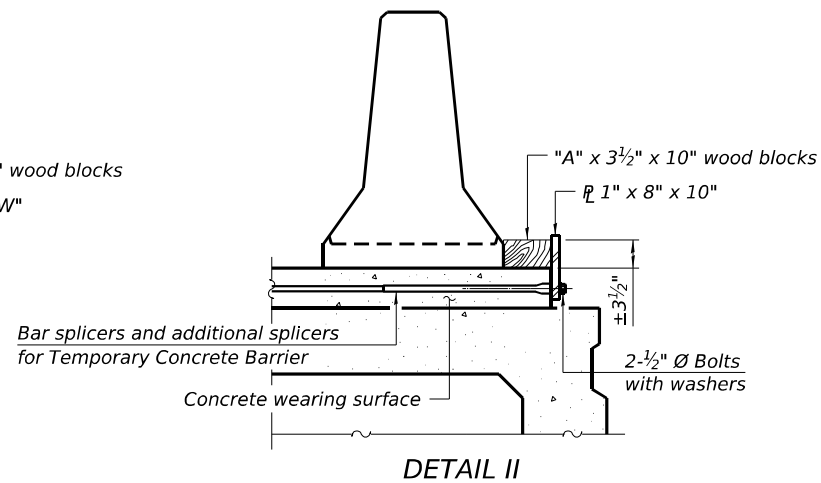


RESTRAINING PIN

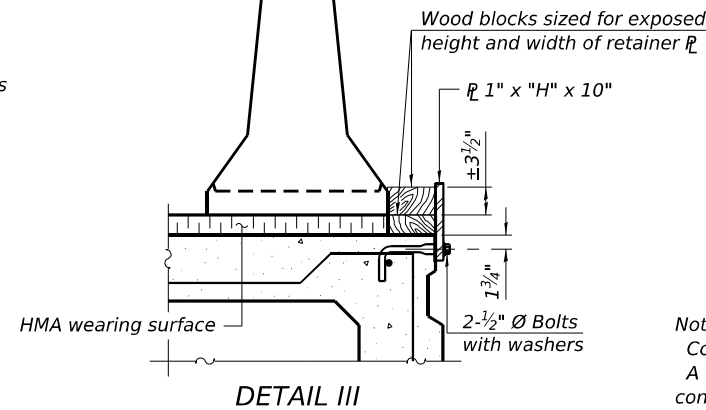
SECTIONS THRU SLAB OR DECK BEAM



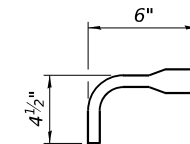
DETAIL I



DETAIL II



DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III

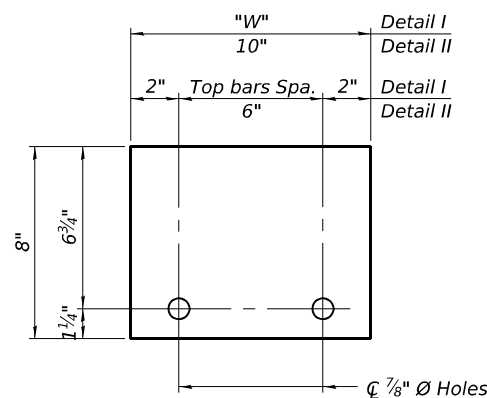
Notes:

- Cost of retainer assembly is included with Temporary Concrete Barrier.
- A retainer assembly shall be located at the approximate C of each temporary concrete barrier.
- The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
- When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate.
- For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

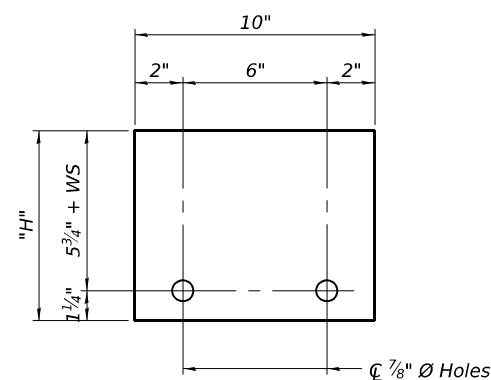
Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.



STEEL RETAINER R 1" x 8" x "W" (Detail I and II)



STEEL RETAINER R 1" x "H" x 10" (Detail III)

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 5-15-2023

MODEL: PLOT  
FILE NAME: Y:\DOT\1359-11\_78199\CADD\ISP\_SN073-2008\0732008-78199-05-TCB.dgn



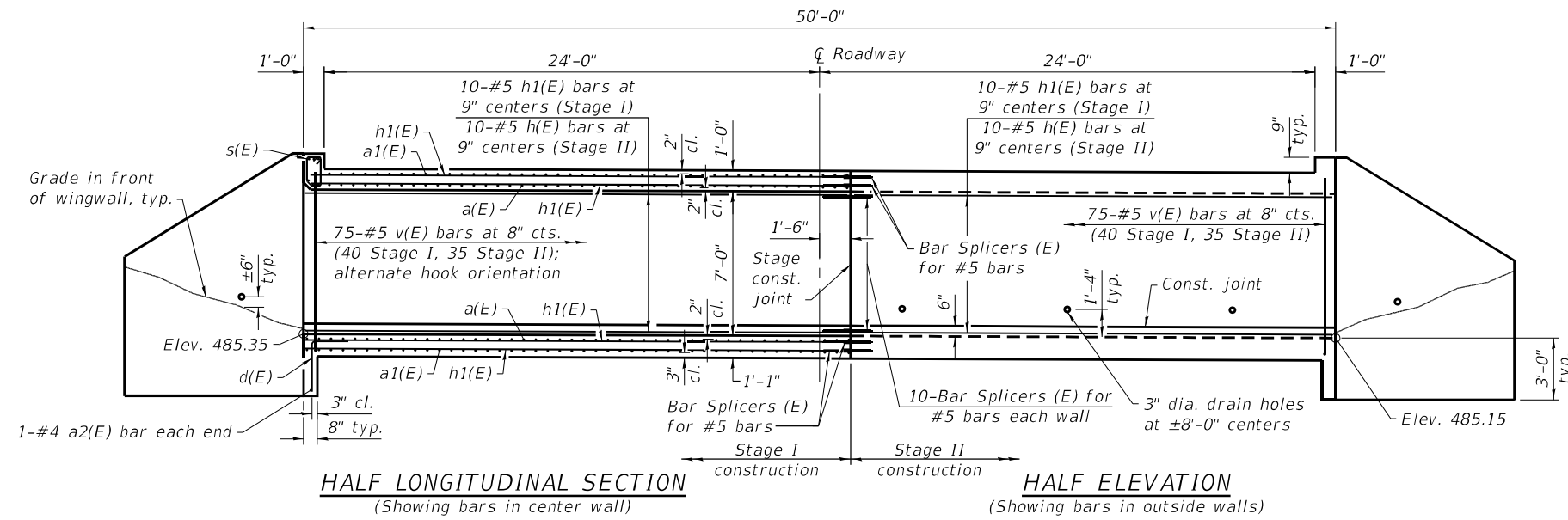
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ESCA PROJECT NO. 1359.11	CHECKED - ELH 05/23	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - KAH/NHC 10/23	REVISED -
PLOT DATE = 10/6/2023	CHECKED - ELH 10/23	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER  
STRUCTURE NO. 073-2008

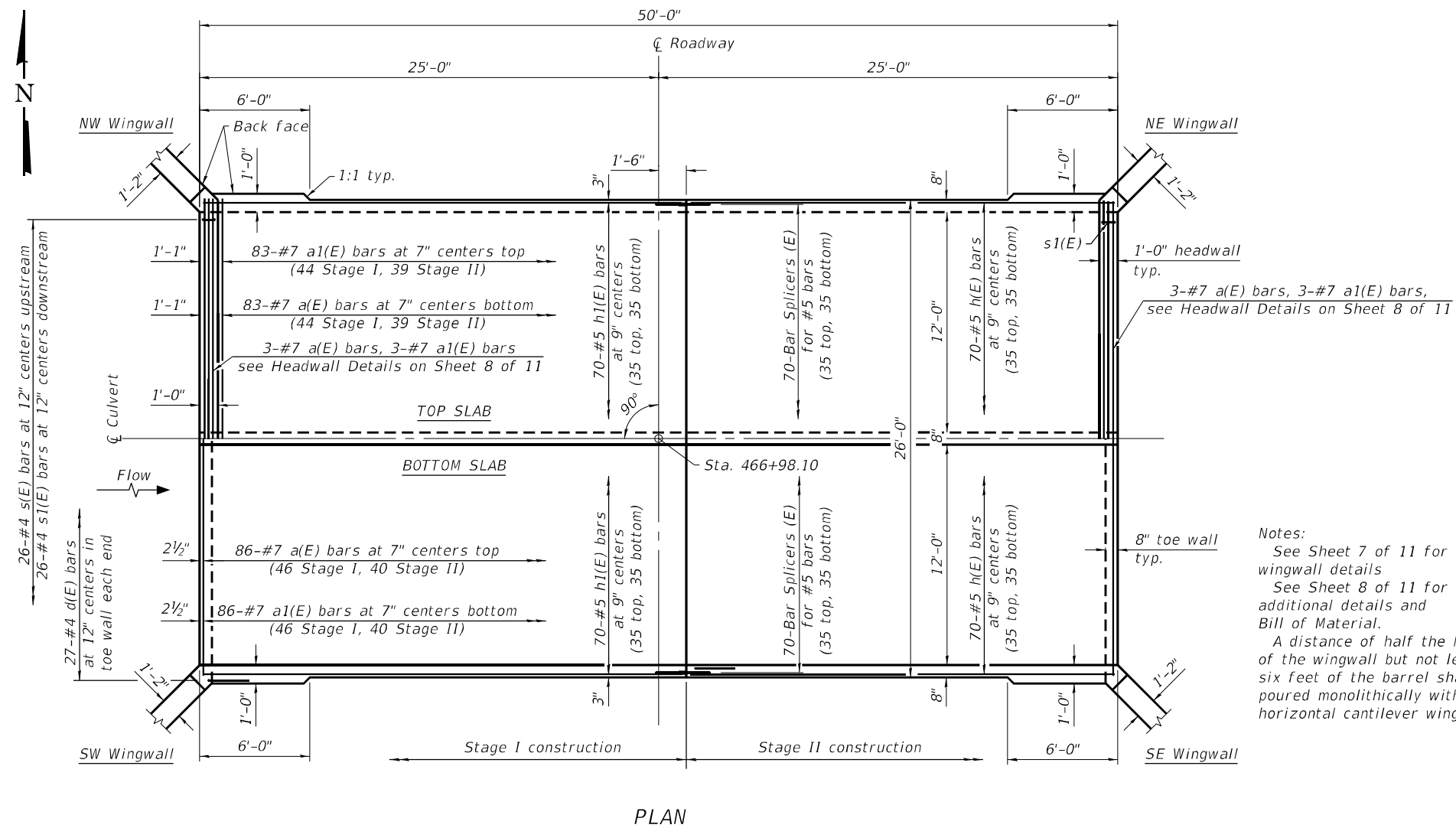
SHEET 5 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	35
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				



**HALF LONGITUDINAL SECTION**  
(Showing bars in center wall)

**HALF ELEVATION**  
(Showing bars in outside walls)



**PLAN**

Notes:  
See Sheet 7 of 11 for wingwall details  
See Sheet 8 of 11 for additional details and Bill of Material.  
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the horizontal cantilever wingwalls.

(Sheet 1 of 3)

MODEL: PLOT  
FILE NAME: Y:\IDOT\1359-11\_78199\CADD\ISP\_SN073-2008\0732008-78199-06-CulvertDtls.dgn



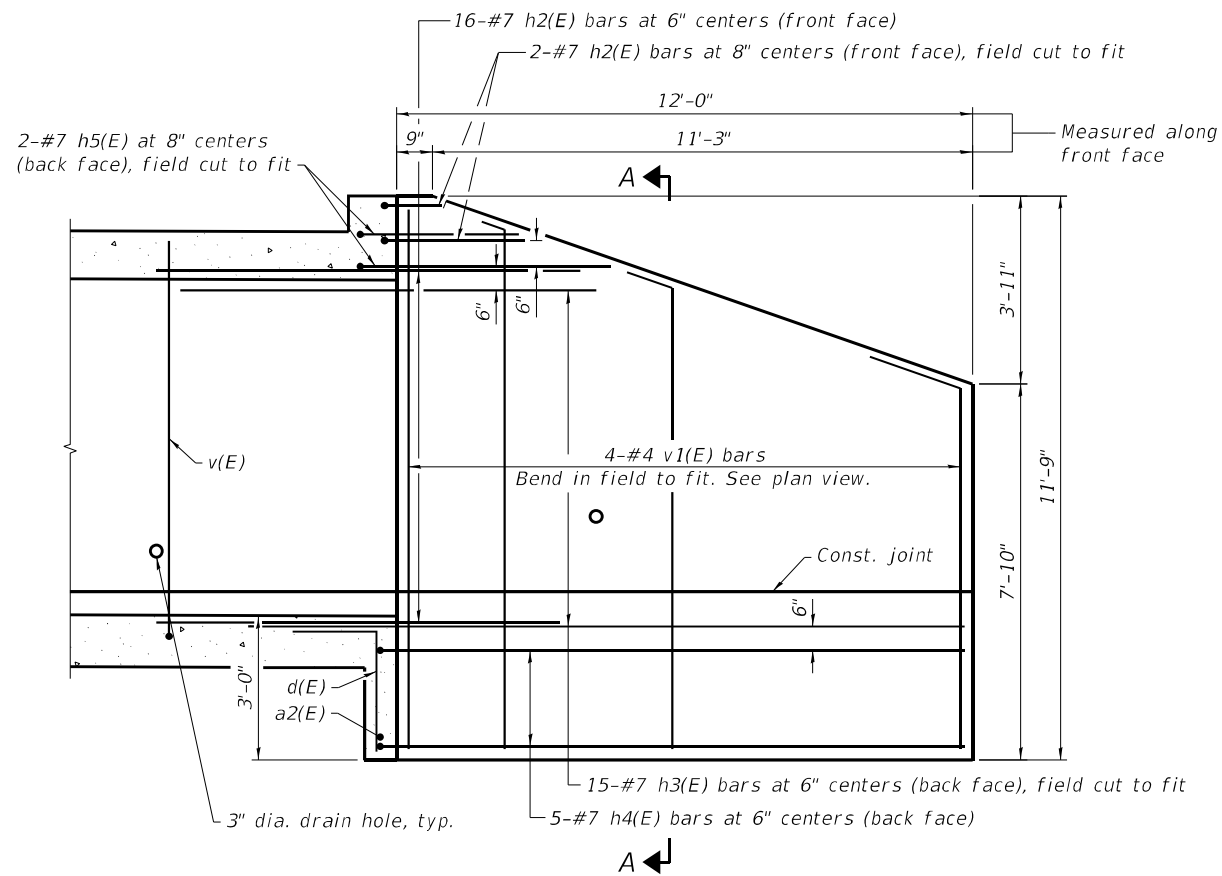
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ESCA PROJECT NO. 1359.11	CHECKED - ELH	05/23	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - KAH/NHC	07/23	REVISED -
PLOT DATE = 8/15/2023	CHECKED - ELH	07/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

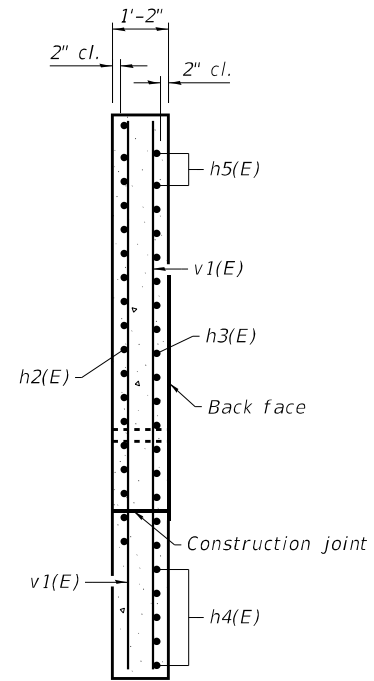
**BOX CULVERT DETAILS  
STRUCTURE NO. 073-2008**

SHEET 6 OF 11 SHEETS

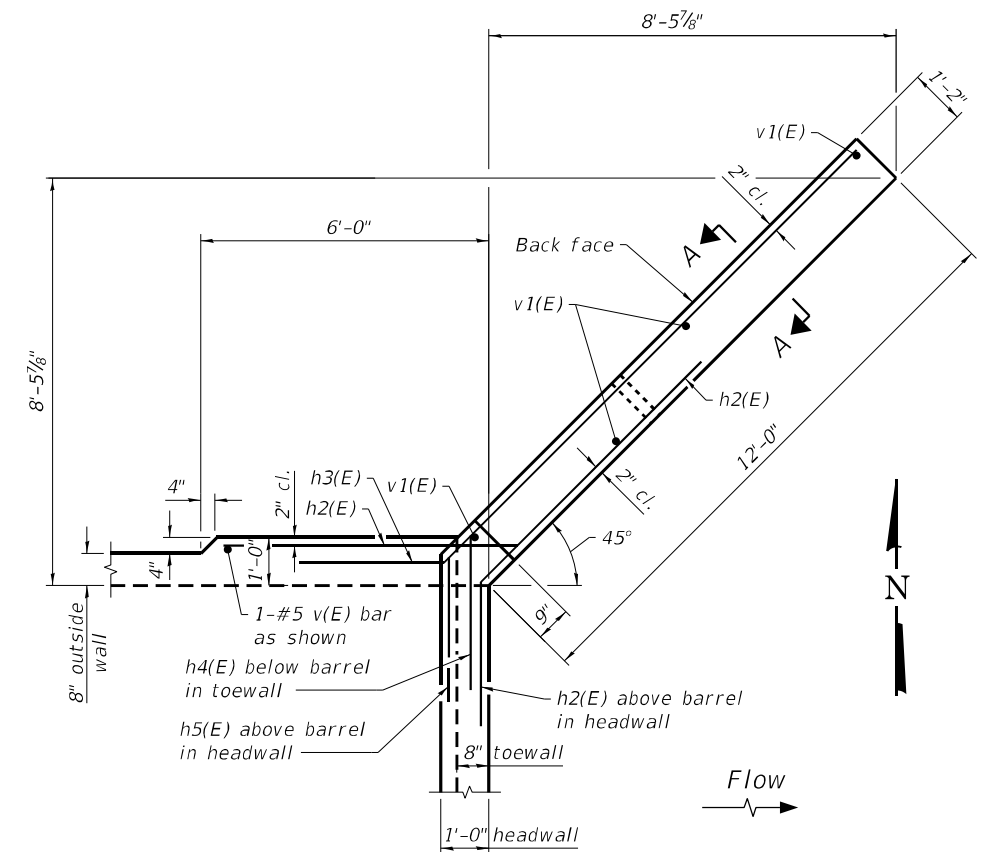
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	36
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				



**NORTHEAST WINGWALL ELEVATION**  
(Other wingwalls similar)



**SECTION A-A**



**NORTHEAST WINGWALL PLAN**  
(Other wingwalls similar)

(Sheet 2 of 3)

MODEL: PLOT  
FILE NAME: Y:\DOT\1359-11\_78199\CADD\SP\_SN073-2008\0732008-78199-07-CulvertDtls.dgn



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ESCA PROJECT NO. 1359.11	CHECKED - ELH	05/23	REVISED -
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PLOT DATE = 8/15/2023	CHECKED - ELH	07/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

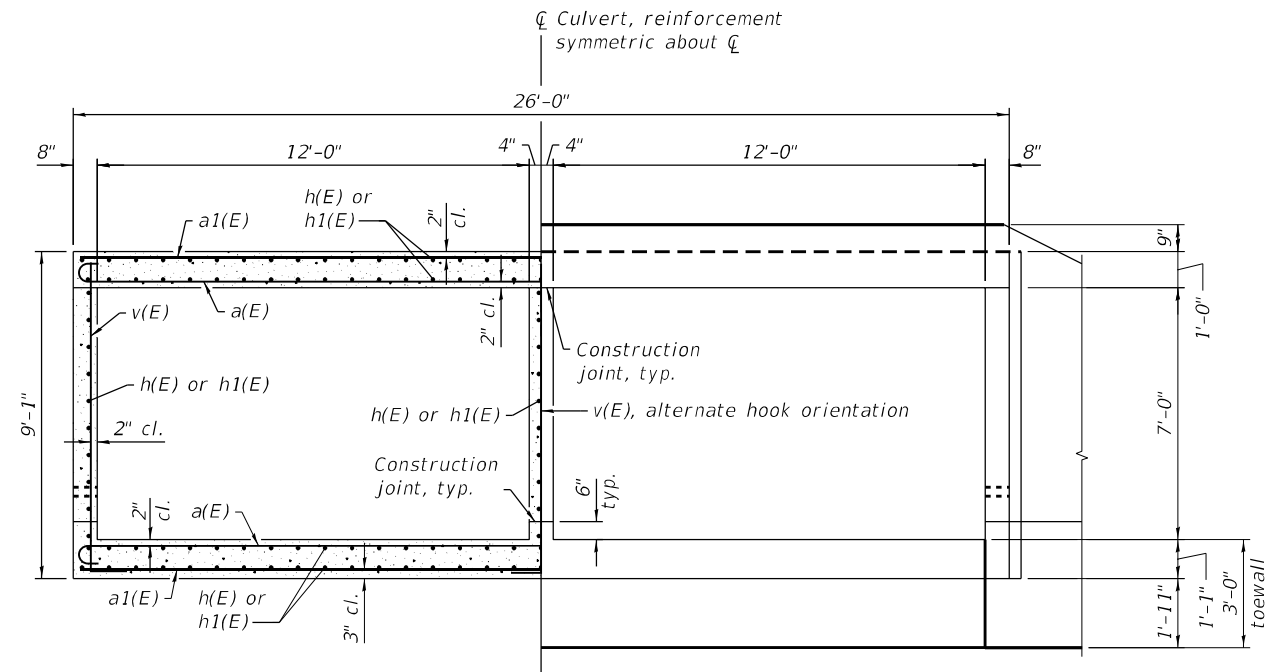
**BOX CULVERT DETAILS  
STRUCTURE NO. 073-2008**

SHEET 7 OF 11 SHEETS

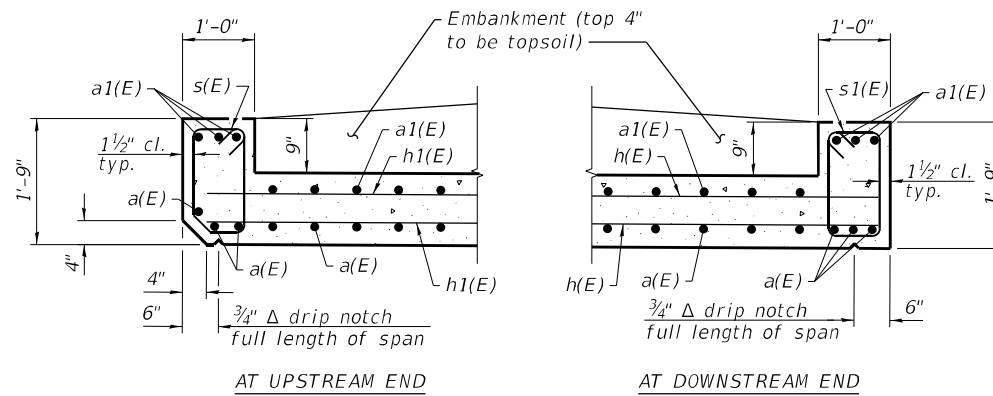
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	37
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

**BILL OF MATERIAL**

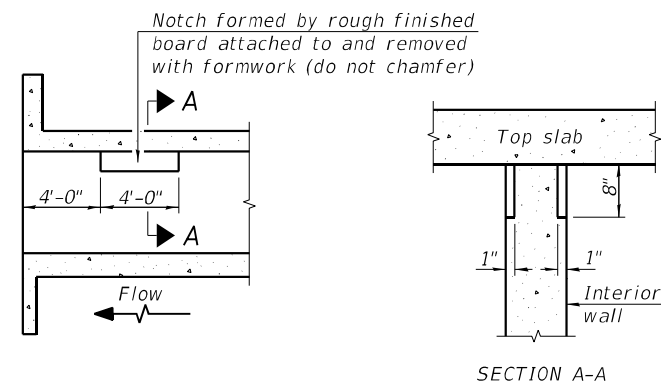
Bar	No.	Size	Length	Shape
a(E)	175	#7	27'-4"	
a1(E)	175	#7	25'-8"	
a2(E)	2	#4	26'-4"	
d(E)	54	#4	4'-4"	
h(E)	170	#5	23'-2"	
h1(E)	170	#5	26'-1"	
h2(E)	72	#7	9'-2"	
h3(E)	60	#7	15'-2"	
h4(E)	20	#7	14'-4"	
h5(E)	8	#7	8'-0"	
s(E)	26	#4	5'-1"	
s1(E)	26	#4	5'-3"	
v(E)	229	#5	9'-5"	
v1(E)	16	#4	11'-4"	
Concrete Box Culverts			Cu. Yd.	152.6
Reinforcement Bars, Epoxy Coated			Pound	34,360



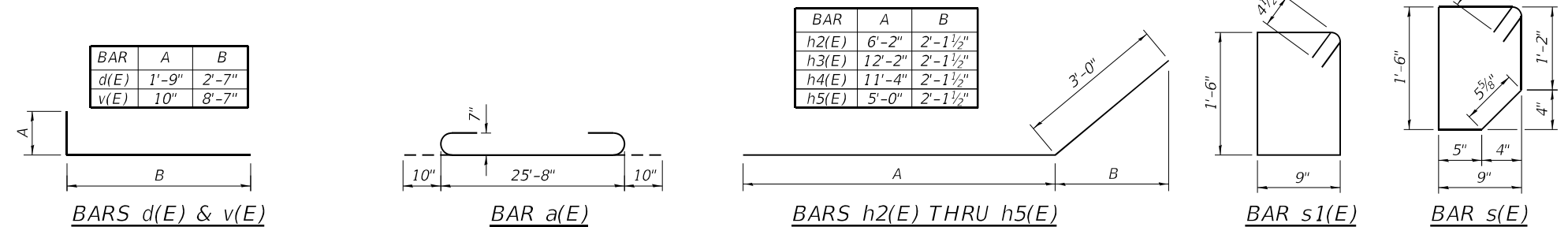
**HALF SECTION THRU BARREL      HALF END ELEVATION**  
**BARREL DETAILS**



**HEADWALL DETAILS**



**LONGITUDINAL SECTION**  
**PHOEBE NESTING**  
**SITE DETAILS**  
(Downstream End Only)



(Sheet 3 of 3)

MODEL: PLOT  
FILE NAME: T:\Project\DOT\1359-11\_78199\client\out\district\2023-08-xx\_PSE\CADD\SP\_SN073-2008\0732008-78199-08-Culvert\Details.dgn



USER NAME = nhc  
ESCA PROJECT NO. 1359.11  
PLOT SCALE = 0.1667' / in.  
PLOT DATE = 8/16/2023

DESIGNED - CTJ 05/23  
CHECKED - ELH 05/23  
DRAWN - KAH/NHC 07/23  
CHECKED - ELH 07/23

REVISED -  
REVISED -  
REVISED -  
REVISED -

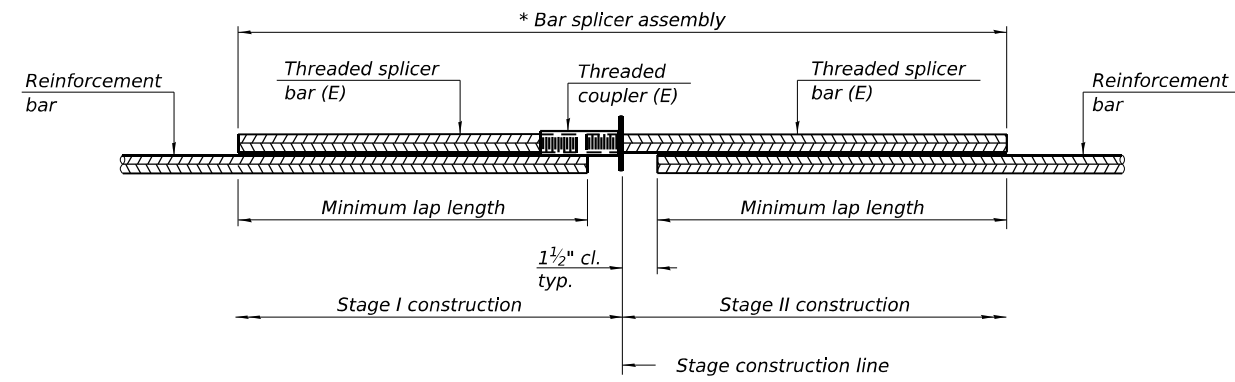
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT DETAILS**  
**STRUCTURE NO. 073-2008**

SHEET 8 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	38
CONTRACT NO. 78199				

ILLINOIS FED. AID PROJECT



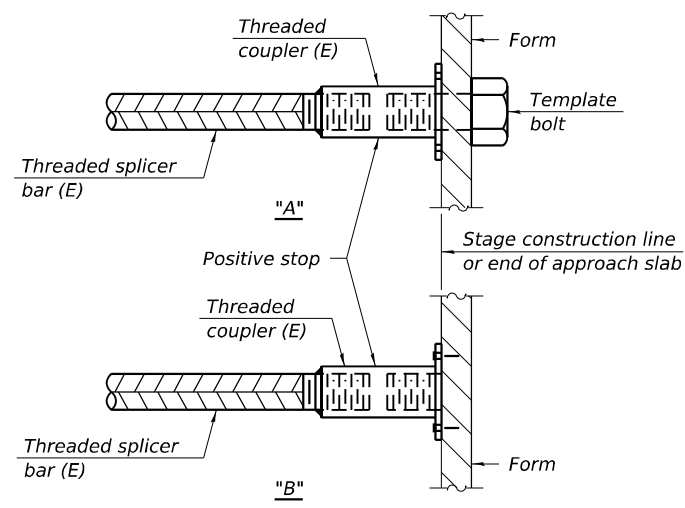
**STANDARD BAR SPLICER ASSEMBLY PLAN**

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

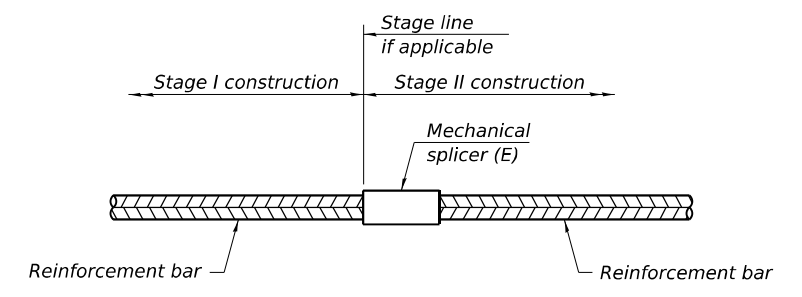
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Top of top slab	#5	35	3'-2"
Bottom of top slab	#5	35	3'-2"
Top of bottom slab	#5	35	3'-2"
Bottom of bottom slab	#5	35	3'-2"
Walls	#5	30	3'-7"



**INSTALLATION AND SETTING METHODS**

"A" : Set bar splicer assembly by means of a template bolt.  
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.  
 (E) : Indicates epoxy coating.



**STANDARD MECHANICAL SPLICER**

Location	Bar size	No. assemblies required
NA		

Notes:  
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.  
 All reinforcement shall be lapped and tied to the splicer bars.  
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.  
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: PLOT FILE NAME: Y:\IDOT\1359-11\_78199\CADD\SP\_SN073-2008\0732008-78199-09-BSD.dgn

BSD-1

5-15-2023



USER NAME = nhc	DESIGNED - CTJ 05/23	REVISED -
ESCA PROJECT NO. 1359.11	CHECKED - ELH 05/23	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - KAH/NHC 10/23	REVISED -
PLOT DATE = 10/6/2023	CHECKED - ELH 10/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY DETAILS  
 STRUCTURE NO. 073-2008**

SHEET 9 OF 11 SHEETS

F.A.P. RTE. 322	SECTION 6B-1	COUNTY PERRY	TOTAL SHEETS 61	SHEET NO. 39
CONTRACT NO. 78199			ILLINOIS FED. AID PROJECT	



# SOIL BORING LOG

Date 3/17/10

ROUTE FAP 322 (US 51) DESCRIPTION FAP 322 (US Route 51) over Collier Creek LOGGED BY R Moberly

SECTION 6B-1 LOCATION N of NCL Tamaroa

COUNTY Perry DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	Station	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After Hrs.
073-0002	466+98.10					485.60					
1-S	467+22							9.4	ft	9.4	ft
	Offset 13.0 ft RT										
	Ground Surface Elev. 494.50										
ASPHALT-Asphalt w/ Crushed Aggregate											
	493.0										
SILTY CLAY (CL)-Brown, Stiff, Moist (A-6)											
			1								
			4	1.8	20						
			3	B							
	490.0										
SILT LOAM (ML)-Brown, Stiff, Moist (A-4)											
			2								
			3	1.2	21						
			4	S							
	487.5										
SILT LOAM (ML)-Gray, Very Soft, Very Moist (A-4)											
			WH								
			WH	0.2	26						
			1	B							
	485.0										
CLAY (CH)-Brown, Very Stiff, Damp to Moist (A7-6)											
			2								
			5	2.2	19						
			8	S							
			16								
			36								
	481.5										
SHALE-Brown, Hard, Dry											
			52								
			20								
			100/10								
	478.7										
Borehole continued with rock coring.											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



# ROCK CORE LOG

Date 3/17/10

ROUTE FAP 322 (US 51) DESCRIPTION FAP 322 (US Route 51) over Collier Creek LOGGED BY R Moberly

SECTION 6B-1 LOCATION N of NCL Tamaroa

COUNTY Perry CORING METHOD Conventional

STRUCT. NO.	Station	CORING BARREL TYPE & SIZE	Core Diameter	Top of Rock Elev.	Begin Core Elev.	D E P T H (ft)	C O R E (#)	R E C O V E R Y (%)	R · Q · D · (%)	C O R E T I M E (min/ft)	S T R E N G T H (tsf)
073-0002	466+98.10	NQ	2 in	478.70	478.70						
1-S	467+22										
	Offset 13.0 ft RT										
	Ground Surface Elev. 494.50										
SHALE-Brown, Hard, Dry											
				478.70	478.70		1	90	69		
LIMESTONE (2")											
				468.90	468.70		2	100	72		
End of Boring											

Color pictures of the cores \_\_\_\_\_  
Cores will be stored for examination until \_\_\_\_\_  
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

(Sheet 1 of 2)

MODEL: PLOT  
FILE NAME: Y:\DOT\1359-11\_78199\CADD\SP\_SN073-2008\0732008-78199-10-Soil.dgn



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ESCA PROJECT NO. 1359.11	CHECKED - ELH	05/23	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - KAH	05/23	REVISED -
PLOT DATE = 8/15/2023	CHECKED - ELH	05/23	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
STRUCTURE NO. 073-2008

SHEET 10 OF 11 SHEETS

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	40
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				





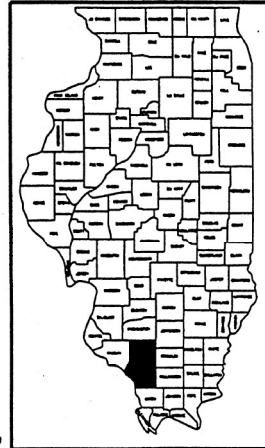
073-0002

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS  
DISTRICT 9**

**F.A.P. ROUTE 322 (U.S. ROUTE 51)  
SECTION D-9 CONT. MAINT. FY 2003-1  
JACKSON AND PERRY COUNTIES  
C-99-047-02**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 322		JACKSON PERRY	36	1
FED. ROAD DIST. NO. 7		ILLINOIS		
*D-9 CONT. MAINT. FY 2003-1				



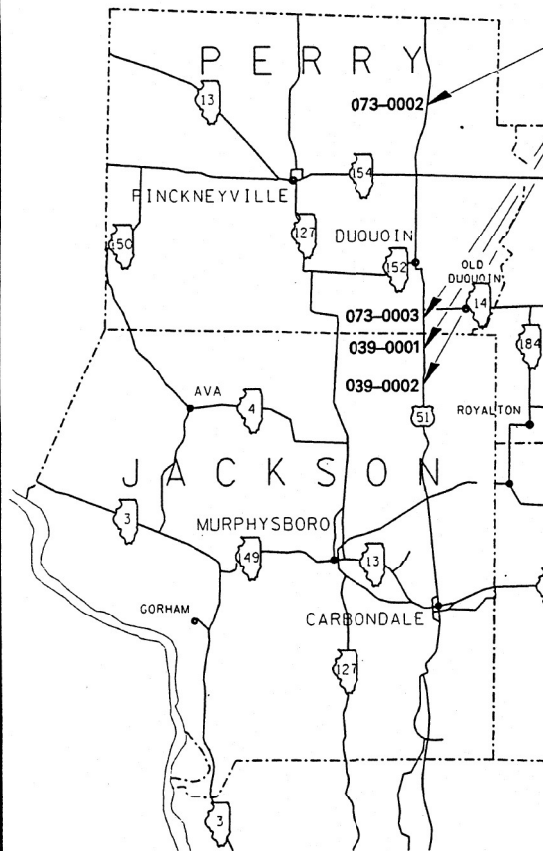
**PROPOSED IMPROVEMENT**  
SN 073-0002, 073-0003, 039-0001, 039-0002  
MICROSILICA CONCRETE OVERLAY,  
RESURFACE BITUMINOUS APPROACHES

SN 073-0002  
TAMAROA TOWNSHIP  
2001 ADT = 2000  
2018 ADT = 2850  
POSTED SPEED = 40 MPH  
INVENTORY RATING 12.6  
OPERATING RATING 21.8

SN 039-0001  
ELK TOWNSHIP  
2001 ADT = 7700  
2019 ADT = 9075  
POSTED SPEED = 55 MPH  
INVENTORY RATING HS 20.1  
OPERATING RATING HS 31.2

SN 073-0003  
DUQUOIN TOWNSHIP  
2001 ADT = 7600  
2022 ADT = 9510  
POSTED SPEED = 45 MPH  
INVENTORY RATING 13.6  
OPERATING RATING 24.0

SN 039-0002  
ELK TOWNSHIP  
2001 ADT = 5600  
2019 ADT = 10700  
POSTED SPEED = 40 MPH  
INVENTORY RATING HS 13.6  
OPERATING RATING HS 23.7



MAP NOT TO SCALE  
TOTAL IMPROVEMENT LENGTH = 540 FEET

99%  
11/22/2003

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

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FOR INDEX OF SHEETS, SEE SHEET NO. 2.  
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4.

**CONTRACT NO. 98763**

PROJECT ENGINEER: KAREN RICHARDSON  
SQUAD LEADER: RITA GAUTNEY  
PHONE: (618) 648-2171  
CENTREX: 789-4854

MODEL: PLOT  
FILE NAME: Y:\PLOT\1359-11\_78199\CADD\Highway\CADD\_Sheets\073-0002-01.dgn



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ESCA PROJECT NO. 1359.11	DRAWN - IRC	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/15/2023	DATE - 04/23	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

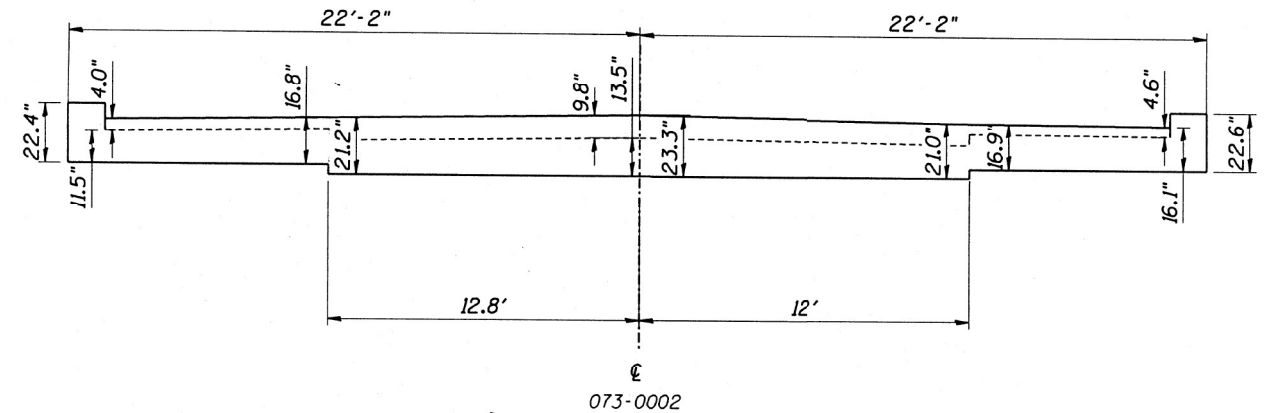
SN 073-0002 EXISTING STRUCTURE PLANS  
FOR INFORMATION ONLY

SCALE: AS SHOWN SHEET NO. 1 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	42
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

073-0002  
AS-BUILT

073-0002



2 MATS OF REBAR IN CONCRETE OVERLAY • CALCULATED THICKNESS = 9.8".

1 MAT OF REBAR IN CONCRETE OVERLAY • CALCULATED THICKNESS = 4.0" AND 4.6"

CONCRETE WEARING SURFACE REMOVED.

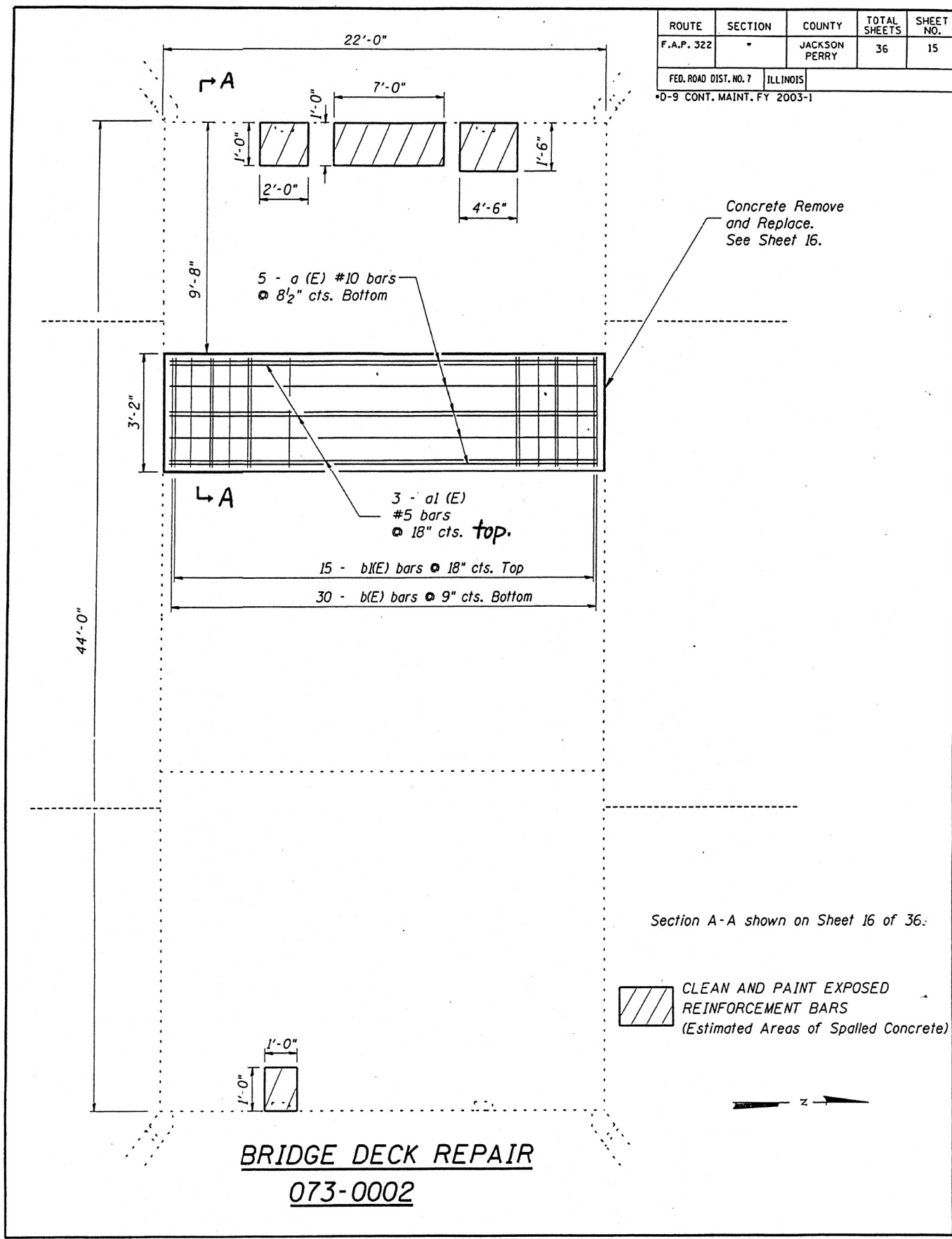
1959 plans show 11 1/2" slab at shoulder.

Original construction plans show 13 1/2" slab + 4" concrete wearing surface at C.

11/21/03 JCG RLM  
Drawn By RKG

CONTRACT 98763  
S.N. 073-0002  
U.S. RTE 51

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 322	*	JACKSON PERRY	36	15
FED. ROAD DIST. NO. 7		ILLINOIS		
*D-9 CONT. MAINT. FY 2003-1				

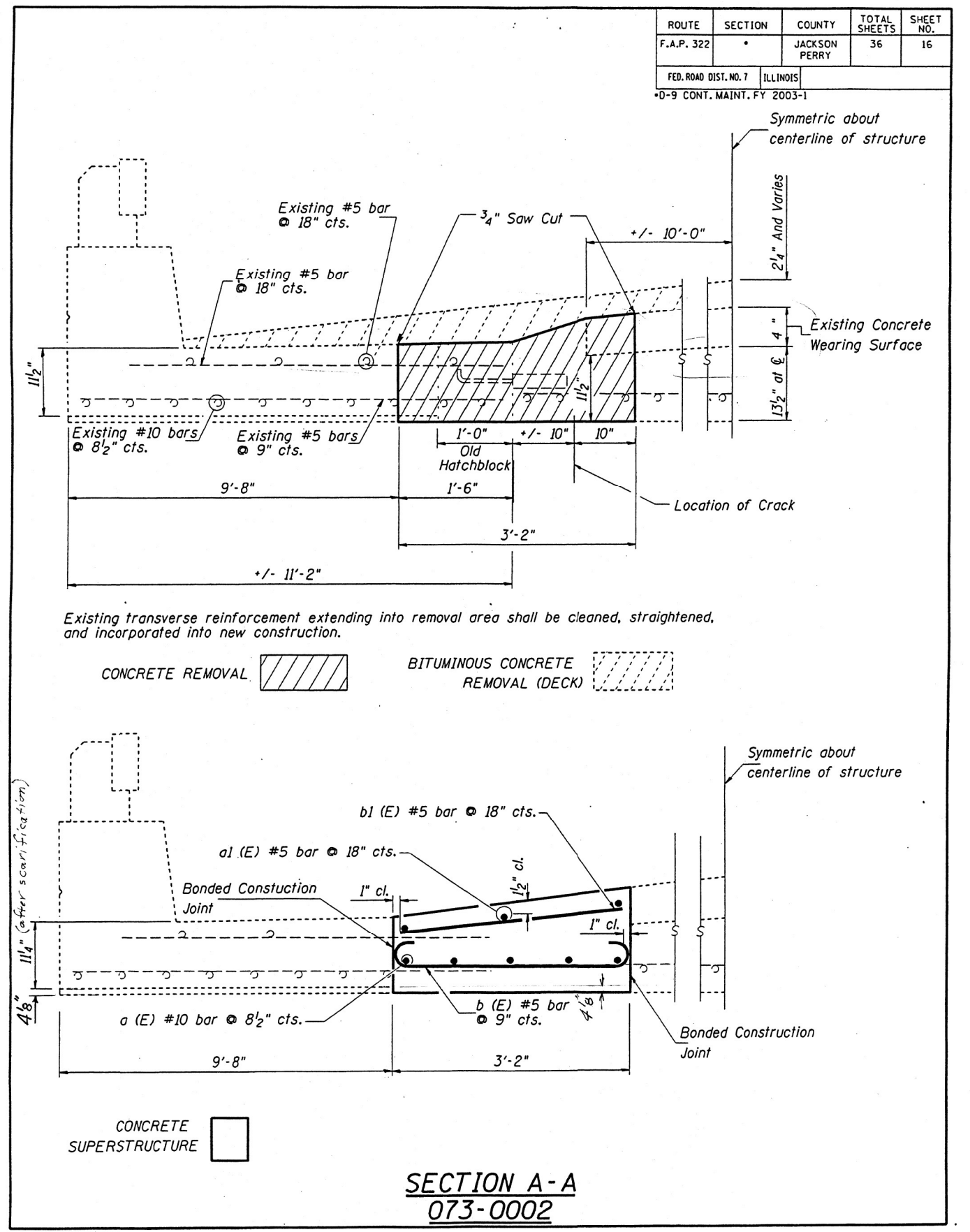


Section A-A shown on Sheet 16 of 36.

CLEAN AND PAINT EXPOSED REINFORCEMENT BARS (Estimated Areas of Spalled Concrete)

**BRIDGE DECK REPAIR**  
**073-0002**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 322	*	JACKSON PERRY	36	16
FED. ROAD DIST. NO. 7		ILLINOIS		
*D-9 CONT. MAINT. FY 2003-1				



CONCRETE REMOVAL BITUMINOUS CONCRETE REMOVAL (DECK)

CONCRETE SUPERSTRUCTURE

**SECTION A-A**  
**073-0002**

MODEL: PLOT FILE: NAME: X:\PLOT\1359-11\_78199\CADD\Highway\CADD\_Sheets\073-0002-16.dgn



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PLOT DATE = 8/15/2023	DATE - 04/23	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SN 073-0002 EXISTING STRUCTURE PLANS**  
**FOR INFORMATION ONLY**

SCALE: AS SHOWN SHEET NO. 2 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	43
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 322	*	JACKSON PERRY	36	17
FED. ROAD DIST. NO. 7		ILLINOIS		
*D-9 CONT. MAINT. FY 2003-1				

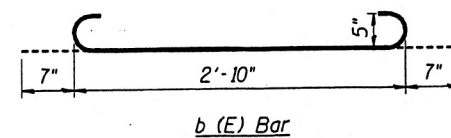
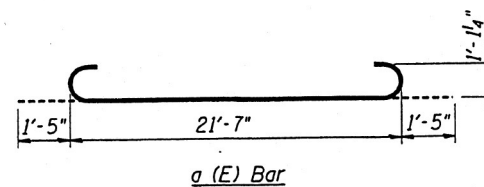
**073-0002  
BILL OF REINFORCEMENT**

BAR	NO.	SIZE	LENGTH	SHAPE
a (E)	5	#10	24'-5"	
a1 (E)	3	#5	21'-9"	
b (E)	30	#5	4'-0"	
b1 (E)	15	#5	3'-0"	

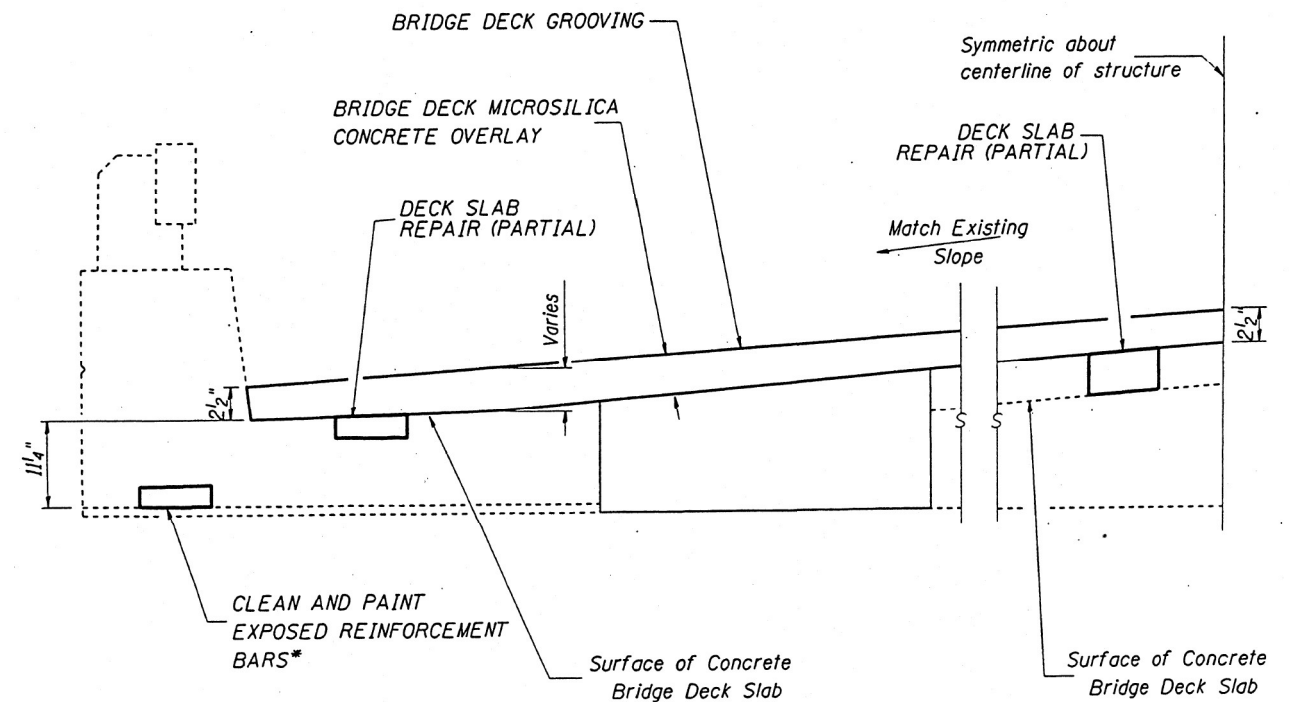
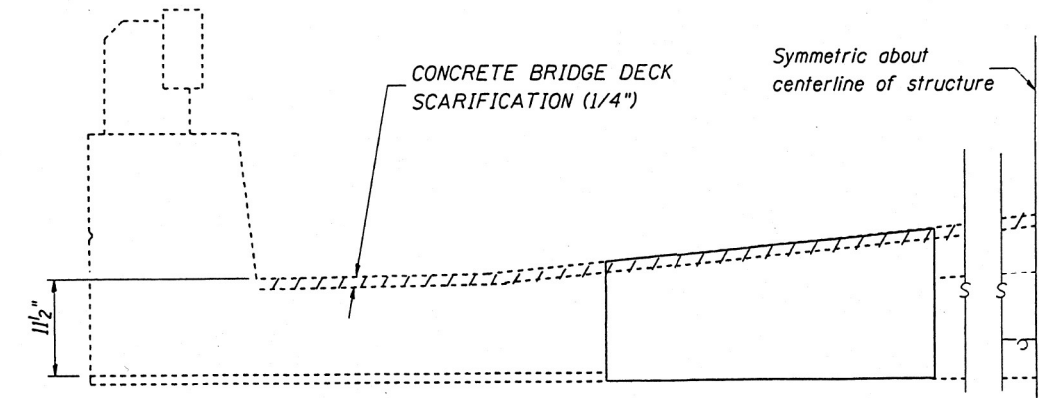
Reinforcement bars designated (E) shall be epoxy coated.

Reinforcement bars shall conform to the requirements of AASHTO M-31, M-42 or M-53 Grade 60.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.



ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 322	*	JACKSON PERRY	36	18
FED. ROAD DIST. NO. 7		ILLINOIS		
*D-9 CONT. MAINT. FY 2003-1				



\*Quantity includes repair of a 1' X 1' spalled area on the south abutment wall in addition to the deck.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SN 073-0002 EXISTING STRUCTURE PLANS  
FOR INFORMATION ONLY**

SCALE: AS SHOWN SHEET NO. 3 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	44
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

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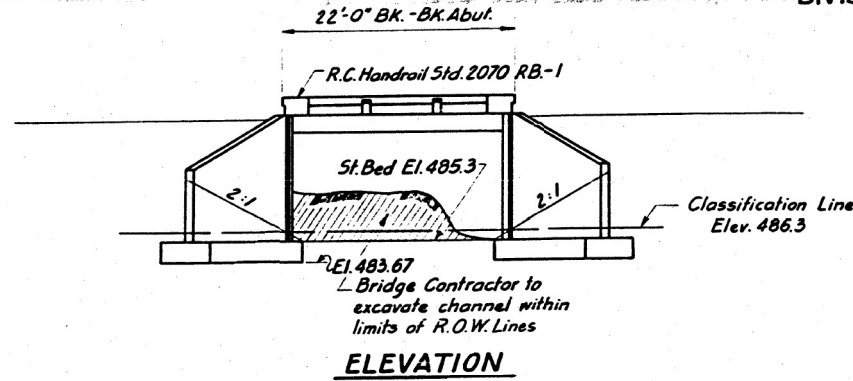
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ESCA PROJECT NO. 1359.11	DRAWN - IRC	REVISED -
PLOT SCALE = 0.1667 1 / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/15/2023	DATE - 04/23	REVISED -

B.M. #26 Bolt nearest "M" on Fire Hydrant 31' Lt. Sta. 464+09 El. 497.36  
 Existing Structure: R.C. Slab 1 Span @ 20'-0" R.C. Abuts. To be widened  
 Steel Beam Guard Rail on approaches to be salvaged

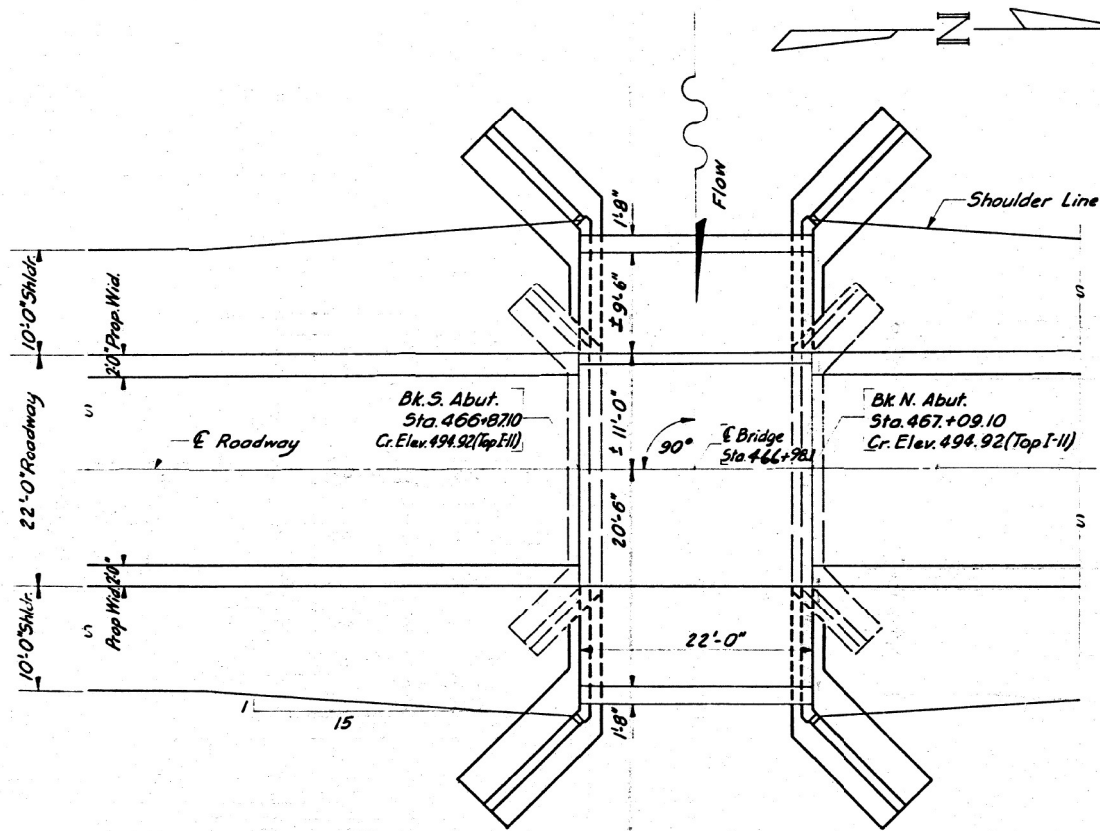
STATE OF ILLINOIS  
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
 DIVISION OF HIGHWAYS

PLATE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	6B-1	PERRY	49	19
F.A. PROJ. F-14(52)				

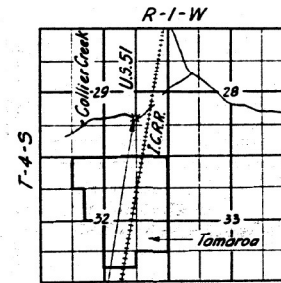
SHEET NO. 1  
3 SHEETS



**ELEVATION**



**PLAN**  
Scale 1/8" = 1'-0"



**LOCATION SKETCH**

STATION 466+98.1  
 BUILT 19... BY  
 STATE OF ILLINOIS  
 S.B.I. RT. 2 SEC. 6-BY  
 F.A. PROJ. F-14(52)  
 LOADING H15-S12

NAMEPLATE LETTERING  
 See Std. 2113

**GENERAL NOTES**

Class X Concrete shall be used throughout except in handrails.  
 Handrail Concrete shall be used in handrails.  
 The Concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.  
 The Handrail Concrete in the rail posts and railing shall be poured in separate operations.  
 For backfill behind abutments held at the top by superstructure, see Article 50.10 of Standard Specifications.  
 The following surfaces shall be waterproofed: backs of abutment extension above top of footing, back of wing wall above the top of footing. Waterproofing shall be done in accordance with Article 51.21 of the Standard Specifications.  
 Expansion Bolts shall consist of self-drilling expansion shields and 3/8" hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.  
 Protective coat shall be applied to the inside face and top of curbs only.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Class "X" Concrete	Cu. Yds.	200	51.5	251.5
Handrail Concrete	Cu. Yds.	1.2		1.2
Reinforcement Bars	Lbs.	5790	2970	8760
Concrete Removal	Cu. Yds.	2	1	3
Expansion Bolts (3/8")	Each	22	36	58
Class A Excavation for Struct.	Cu. Yds.		80	80
Channel Excavation	Cu. Yds.		90	90
Name Plates	Each	1		1
Class B Excavation for Struct.	Cu. Yds.		60	60
Protective Coat	Sq. Yd.	24		24
Bridge Deck Sealant	Sq. Yd.	100		100

**WATERWAY INFORMATION**

Drainage Area 338 Acres  
 Character Level & Cultivated  
 Required Opening (25Yr. Fl.) 40 Sq. Ft.  
 Present Opening 114 Sq. Ft.  
 Proposed Opening 114 Sq. Ft.  
 Ordinary Water Elev. 486.3  
 Low Water Elev. 485.3

**DESIGN STRESSES**

f<sub>c</sub> = 1400 psi Super.  
 f<sub>c</sub> = 1000 psi Sub.  
 f<sub>s</sub> = 20,000 psi Reinf.  
 v<sub>c</sub> = 75 psi Footings  
 n = 10

**LOADING H15-S12-44**

**PROJECT F14(52)**  
**CULLIER CREEK**  
**S.B.I. RT. 2 (U.S. 51) SEC. 6BY**  
**PERRY COUNTY**  
**STATION 466+98.1**

DESIGNED <i>Hullom F. ...</i>	EXAMINED <i>M. ...</i>	DATE <b>OCT. 29 1959</b>
CHECKED <i>Gabor Popp</i>	PASSED <i>P. ...</i>	
DRAWN <i>Gabor Popp</i>	APPROVED <i>P.R. ...</i>	
CHECKED		

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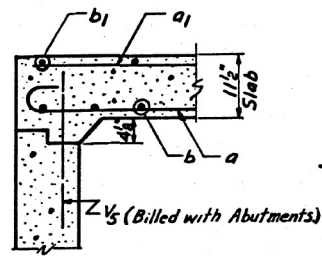
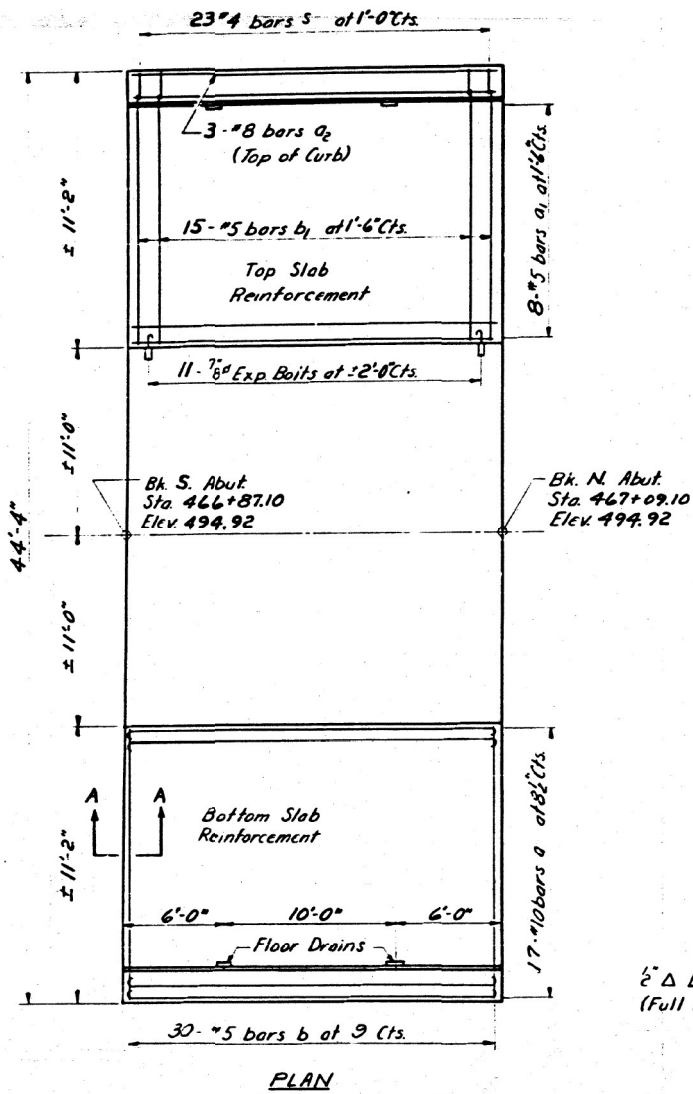
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

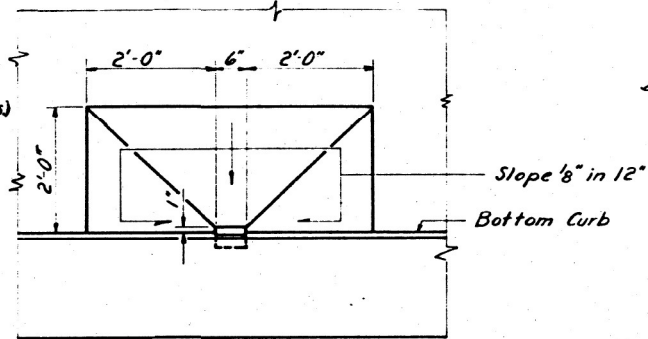
SN 073-0002 EXISTING STRUCTURE PLANS  
 FOR INFORMATION ONLY

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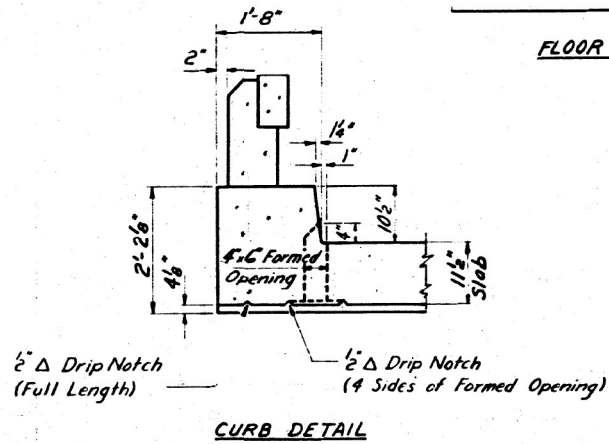
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			CONTRACT NO. 78199	
ILLINOIS FED. AID PROJECT				



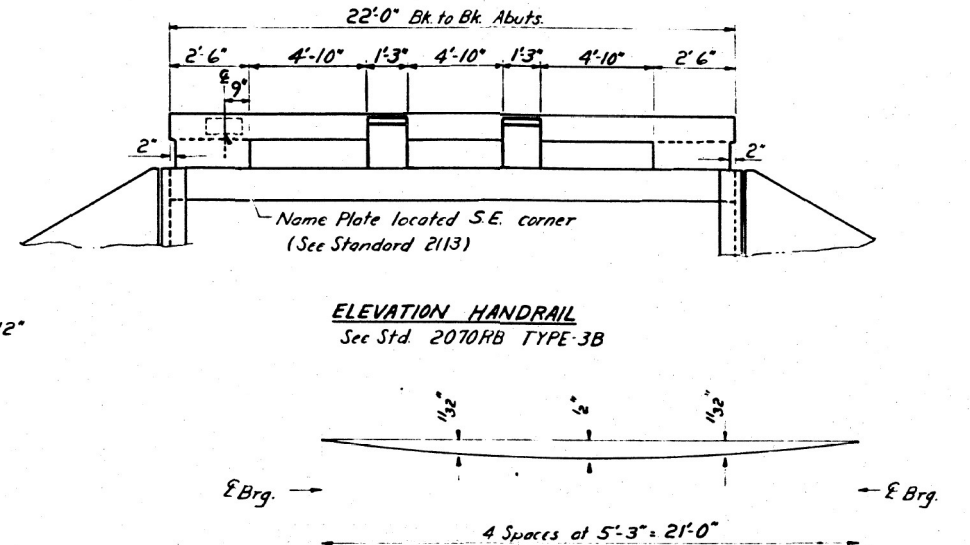
Section A-A



FLOOR DRAIN PLAN

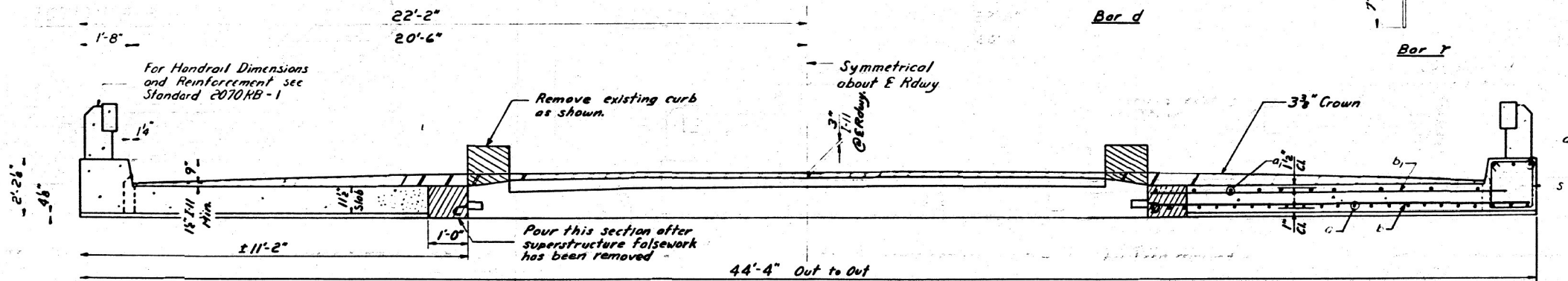
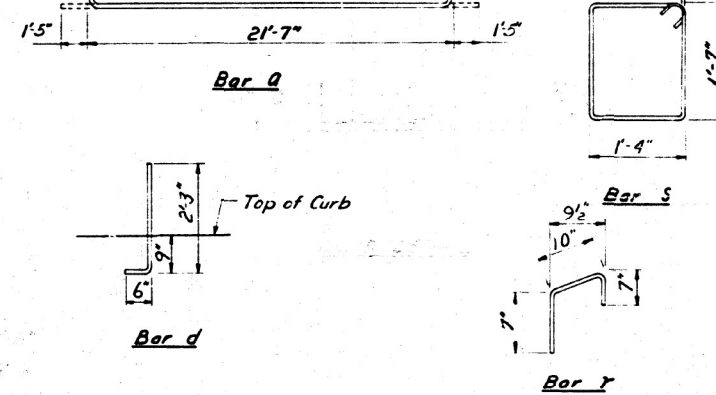


CURB DETAIL



ELEVATION HANDRAIL  
See Std. 2070RB TYPE-3B

DEAD LOAD DEFLECTIONS



CROSS SECTION

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	34	#10	24'-5"	—
a1	16	#5	21'-9"	—
a2	6	#8	21'-9"	—
b	60	#5	11'-0"	—
b1	30	#5	10'-0"	—
s	46	#4	6'-7"	—
d	36	#5	2'-9"	—
e	6	#5	20'-0"	—
r	16	#4	2'-0"	—
Handrail Reinforcement See Std. 2070RB-1				
Class X Concrete Cu Yds 20.0				
Handrail Concrete Cu Yds 1.2				
Reinforcement Bars Lbs. 5790				
Expansion Bolts #6 Ea. 22				
Concrete Removal Cu Yds 2				

SLAB DETAILS  
S.B.I. RT. 2 (1/2") SEC. 6 BY  
PERKINS COUNTY  
STA. 466+98.1

William H. Smith  
Charles R. Turner  
E.S. Smith  
O.R. Barthelme  
OCT. 29 59  
Dimension

MODEL PLOT  
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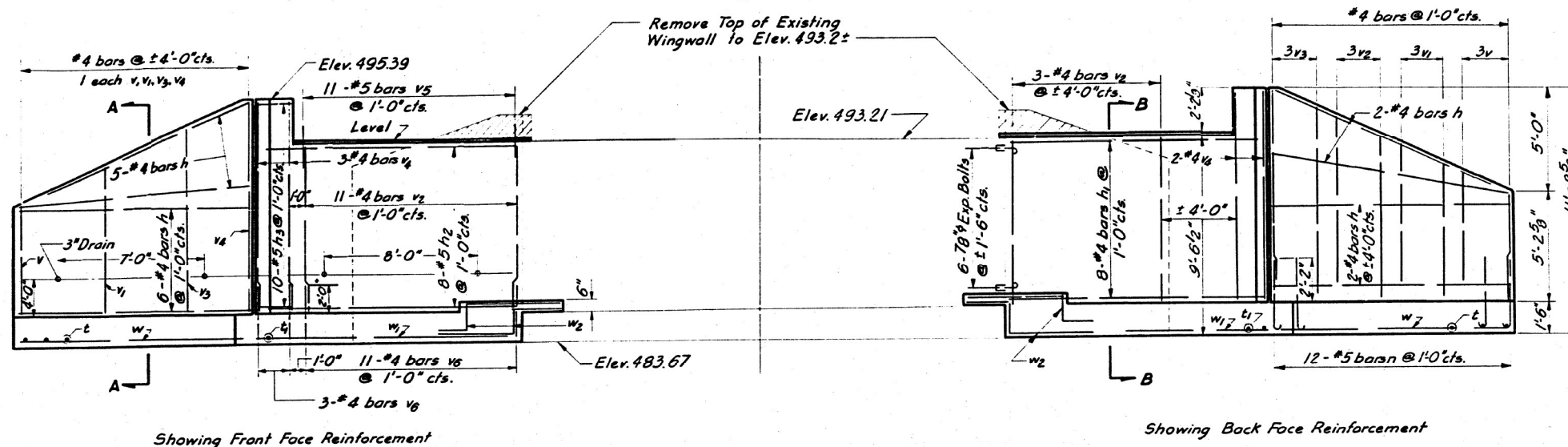
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SN 073-0002 EXISTING STRUCTURE PLANS  
FOR INFORMATION ONLY

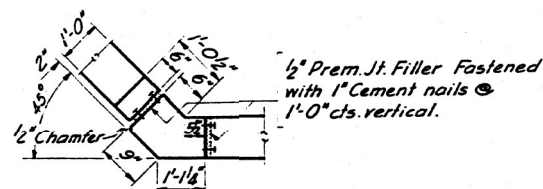
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	46
CONTRACT NO. 78199				

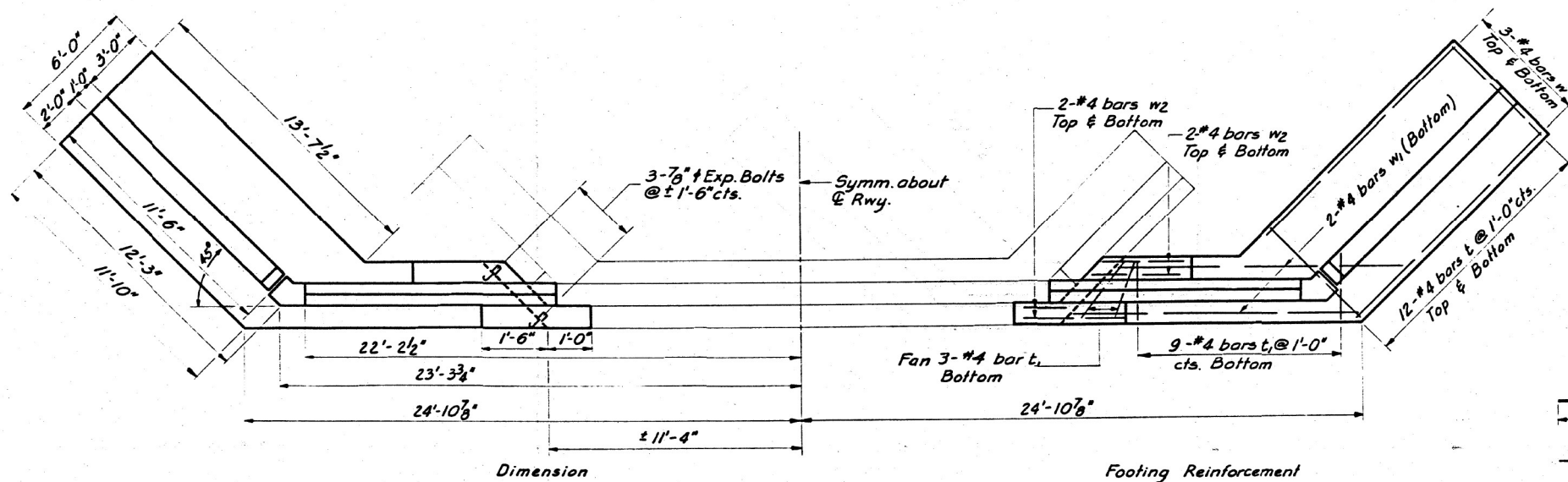
ILLINOIS FED. AID PROJECT



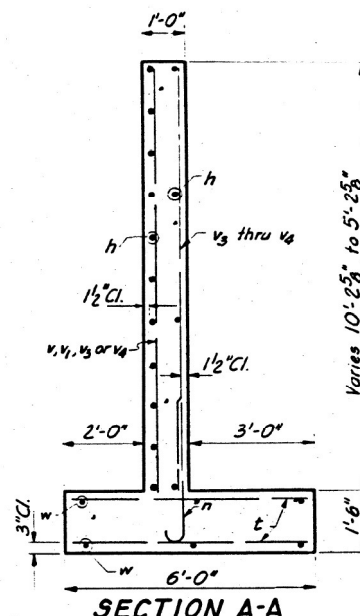
ELEVATION



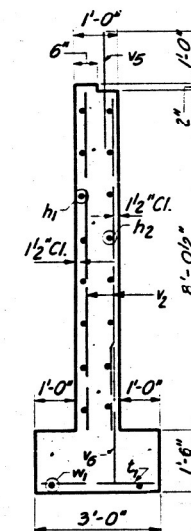
TYPICAL CORNER DETAIL



PLAN



SECTION A-A



SECTION B-B

BILL OF MATERIAL

BAR NO.	SIZE	LENGTH	SHAPE
h	60	#4	11'-3"
h1	32	#4	10'-9"
h2	32	#5	11'-9"
h3	40	#5	1'-9"
n	48	#5	4'-0"
v	16	#4	5'-0"
v1	16	#4	6'-3"
v2	68	#4	7'-9"
v3	16	#4	8'-9"
v4	12	#4	10'-0"
v5	44	#5	2'-6"
v6	56	#4	3'-3"
t	96	#4	5'-9"
t1	48	#4	2'-9"
w	24	#4	11'-6"
w1	8	#4	12'-9"
w2	32	#4	4'-3"

Class X Concrete	Cu. Yd.	51.5
Reinforcement Bars	Lbs.	2,970
Expansion Bolts	Each	36
Concrete Removal	Cu. Yd.	1

DESIGNED: William H. Smith  
CHECKED: Becha K. Lunn  
DRAWN: Gabor Papp  
CHECKED: P.  
OCT. 29 1959  
EXAMINED: M. R. Bostelmayr  
PASSED: E. J. Schuch  
APPROVED: M. R. Bostelmayr

NORTH & SOUTH ABUTMENTS  
SBI RT. 2 (US 51) SEC. 6BY  
PERRY COUNTY  
STA. 466+98.10

MODEL PLOT  
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ESCA PROJECT NO. 1359.11  
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PLOT DATE = 8/15/2023

DESIGNED - IRC  
DRAWN - IRC  
CHECKED - ELH  
DATE - 04/23

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SN 073-0002 EXISTING STRUCTURE PLANS  
FOR INFORMATION ONLY

SCALE: AS SHOWN SHEET NO. 6 OF 8 SHEETS STA. TO STA.

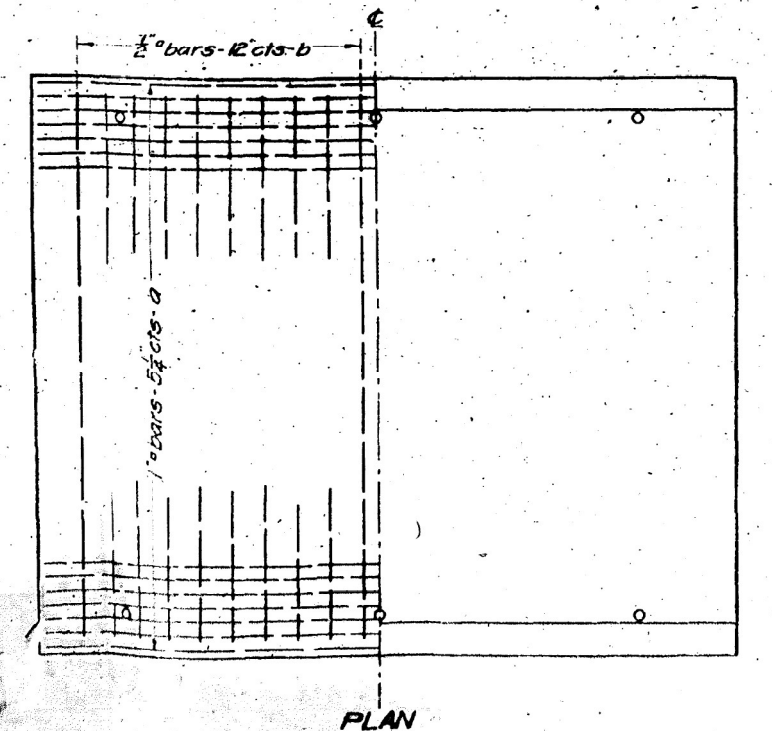
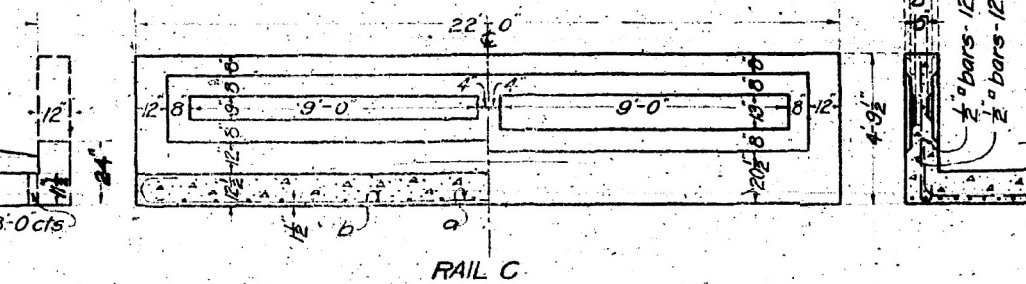
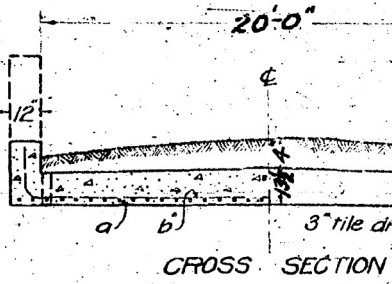
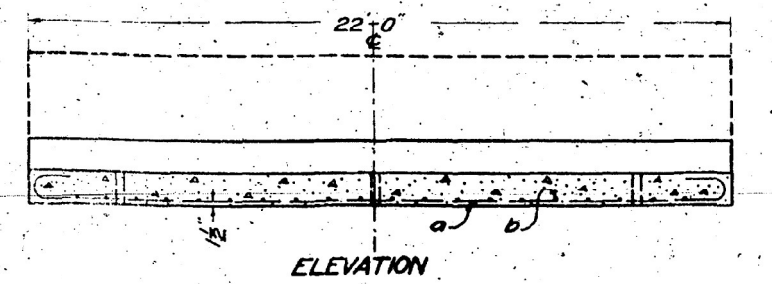
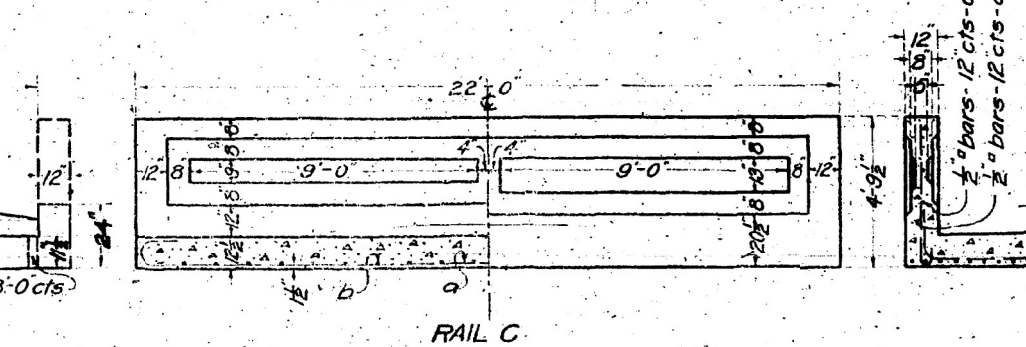
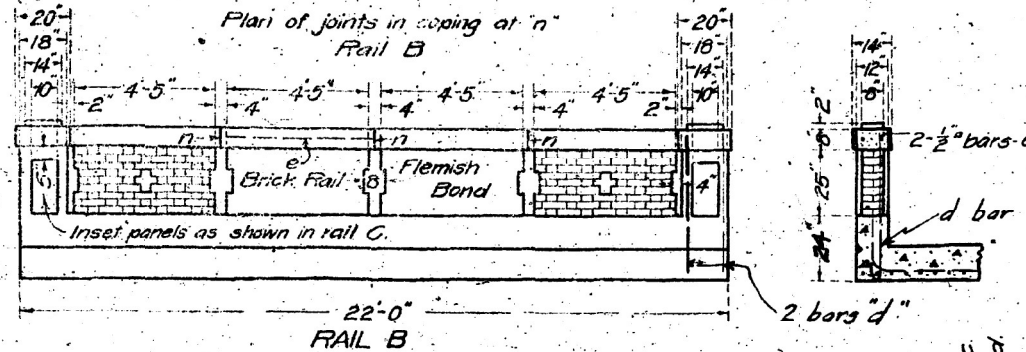
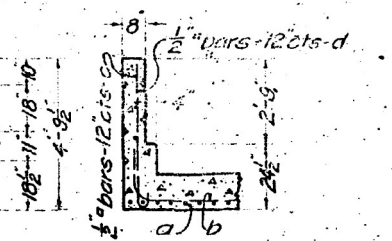
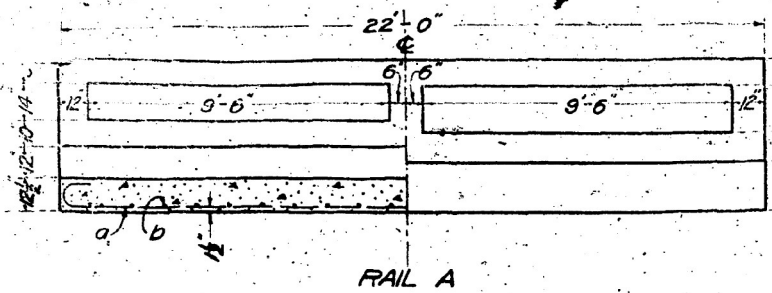
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	47
CONTRACT NO. 78199				

ILLINOIS FED. AID PROJECT

BOND ISSUE ROUTE NO.	COUNTY	SEC.	TOTAL SHEETS	SHEET NO.
2	PERRY	6-B	26	25

STATE OF ILLINOIS  
STATE HIGHWAY DEPARTMENT  
**REINFORCED CONCRETE SLAB**  
SPAN, TWENTY FEET.

1/4" bituminous rail joint  
SHEET NO. 1'  
2 sheets



BILL OF MATERIAL

	16 Ft. Roadway			18 Ft. Roadway			20 Ft. Roadway			24 Ft. Roadway			30 Ft. Roadway		
	Bars	No.	Length	Bars	No.	Length	Bars	No.	Length	Bars	No.	Length	Bars	No.	Length
RAIL A	a	41	1'-0"	a	46	1'-0"	a	50	1'-0"	a	59	1'-0"	a	73	1'-0"
	b	20	1/2'-0"	b	20	1/2'-0"	b	20	1/2'-0"	b	40	1/2'-0"	b	40	1/2'-0"
	c	6	1/2'-0"	c	6	1/2'-0"	c	6	1/2'-0"	c	6	1/2'-0"	c	6	1/2'-0"
	d	40	1/2'-0"	d	40	1/2'-0"	d	40	1/2'-0"	d	40	1/2'-0"	d	40	1/2'-0"
	Steel-Lbs.	3960		4400		4760		5600		6850		838		338	
	Concrete-Cu.Yds.	210		228		247		283		338		338		338	
RAIL B	a	41	1'-0"	a	46	1'-0"	a	50	1'-0"	a	59	1'-0"	a	73	1'-0"
	b	20	1/2'-0"	b	20	1/2'-0"	b	20	1/2'-0"	b	40	1/2'-0"	b	40	1/2'-0"
	e	16	1/2'-0"	e	16	1/2'-0"	e	16	1/2'-0"	e	16	1/2'-0"	e	16	1/2'-0"
	d	40	1/2'-0"	d	40	1/2'-0"	d	40	1/2'-0"	d	40	1/2'-0"	d	40	1/2'-0"
	Steel-Lbs.	3750		4190		4570		5400		6640		338		338	
	Concrete-Cu.Yds.	196		215		218		270		325		338		338	
	Brick Rail-Cu.Yds.	1.9		1.9		1.9		1.9		1.9		1.9		1.9	
RAIL C	a	41	1'-0"	a	46	1'-0"	a	50	1'-0"	a	59	1'-0"	a	73	1'-0"
	b	20	1/2'-0"	b	20	1/2'-0"	b	20	1/2'-0"	b	40	1/2'-0"	b	40	1/2'-0"
	c	6	1/2'-0"	c	6	1/2'-0"	c	6	1/2'-0"	c	6	1/2'-0"	c	6	1/2'-0"
	d	40	1/2'-0"	d	40	1/2'-0"	d	40	1/2'-0"	d	40	1/2'-0"	d	40	1/2'-0"
	Steel-Lbs.	3960		4400		4760		5600		6850		338		338	
	Concrete-Cu.Yds.	210		229		247		284		339		338		338	

USE RAIL B, 20 FOOT ROADWAY

Class A concrete to be used throughout  
Proportions 1 - 2 1/4 - 4"

STATION 466+38  
STATE BOND ISSUE ROAD  
SECTION 6B- ROUTE 2  
PERRY COUNTY.

COMPUTED: *Walter A. Smith*  
CHECKED: *Walter A. Smith*  
DRAWN: *Walter A. Smith*  
CHECKED: *Walter A. Smith*  
ASSEMBLED: *Walter A. Smith*  
CHECKED: *Walter A. Smith*  
EXAMINED: *Walter A. Smith*  
APPROVED: *G. J. Burch*  
DATE: *Sept 6, 1921*  
STATE HIGHWAY ENGINEER

PASSED: *F. J. Dherts*  
DATE: *Sept 6, 1921*  
STATE HIGHWAY ENGINEER

608

MODEL: PLOT  
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PLOT DATE = 8/15/2023

DESIGNED - IRC  
DRAWN - IRC  
CHECKED - ELH  
DATE - 04/23

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SN 073-0002 EXISTING STRUCTURE PLANS  
FOR INFORMATION ONLY

SCALE: AS SHOWN SHEET NO. 7 OF 8 SHEETS STA. TO STA.

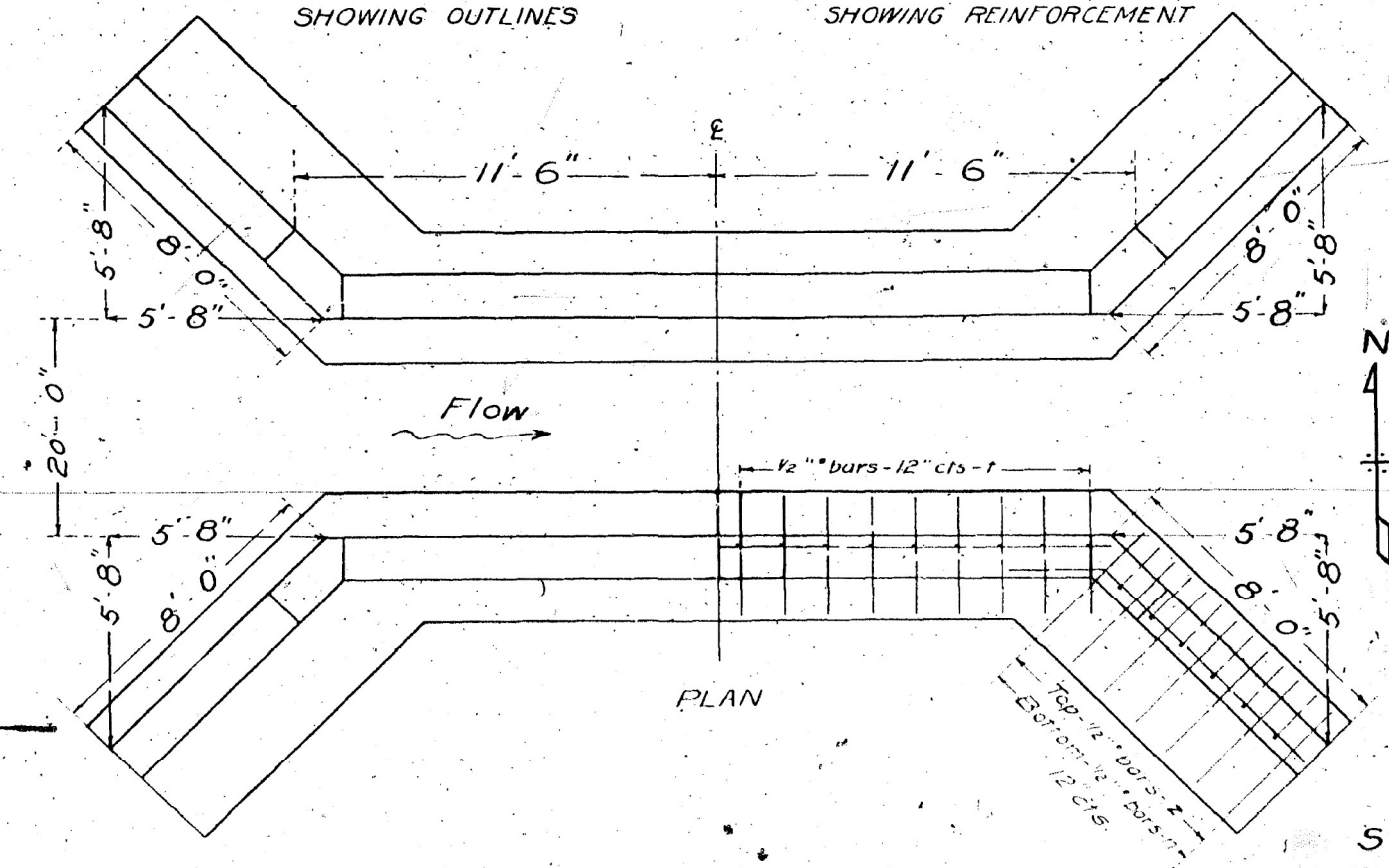
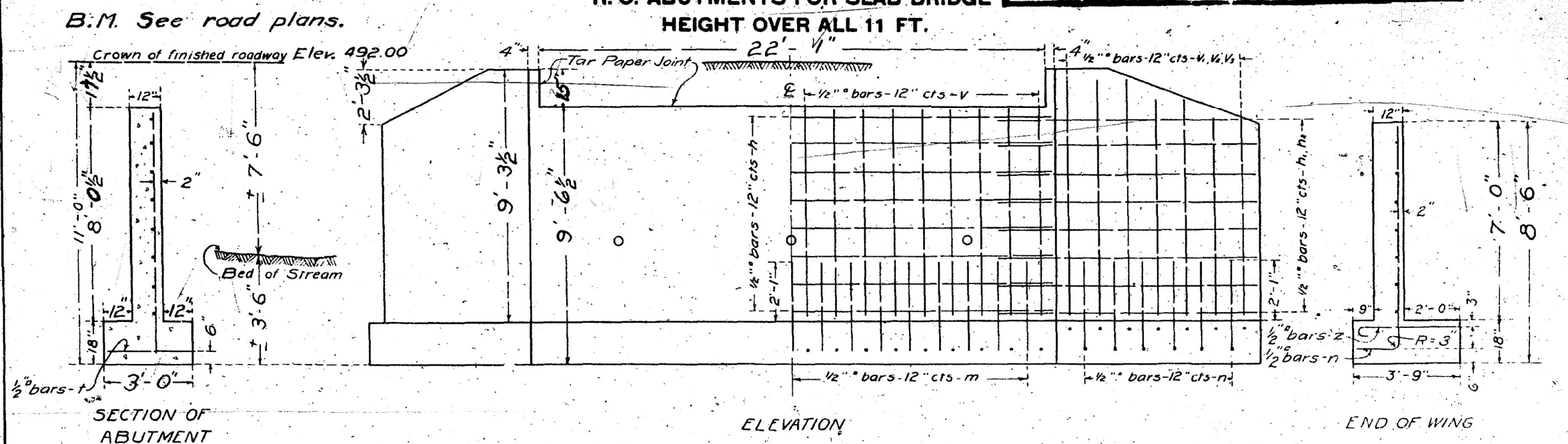
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	48
			CONTRACT NO. 78199	
ILLINOIS FED. AID PROJECT				



STATE OF ILLINOIS  
STATE HIGHWAY DEPARTMENT  
R. C. ABUTMENTS FOR SLAB BRIDGE  
HEIGHT OVER ALL 11 FT.

BOND ISSUE ROUTE NO.	COUNTY	SEC.	TOTAL SHEETS	SHEET NO.
2	Perry	6	26	25

Sheet No. 2  
2 sheets



BILL OF MATERIAL

Letter	No.	Size	Length
V	44	1/2"	8'-0"
V <sub>1</sub>	8	1/2"	9'-0"
V <sub>2</sub>	12	1/2"	8'-0"
V <sub>3</sub>	12	1/2"	7'-0"
h	16	1/2"	22'-6"
h <sub>1</sub>	28	1/2"	10'-0"
h <sub>2</sub>	4	1/2"	8'-0"
m	44	1/2"	3'-0"
n	32	1/2"	4'-6"
t	44	1/2"	2'-9"
z	32	1/2"	3'-3"
Reinforcing Steel-Lbs			1520
Concrete - Cu. Yds			36.9

Class A concrete to be used throughout  
Proportions - 1:2 1/2:4.

PASSED

*Frank J. Sheets*  
ENGINEER OF DESIGN

STANDARD	COMPUTED	Walter J. Jolly
	CHECKED	Byl. Franch
	DRAWN	C. W. Ellsworth
	CHECKED	A. H. Cooper
SPECIAL	ASSEMBLED	E. C. Turner
	CHECKED	at L. J. Jolly

EXAMINED

*H. F. Bensch*  
BRIDGE ENGINEER

APPROVED

*Jay Z. ...*  
STATE HIGHWAY ENGINEER

STATION 466 + 38.  
STATE BOND ISSUE ROAD.  
SECTION 6B ROUTE 2.  
PERRY COUNTY.

668

MODEL\_PLOT  
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USER NAME = IRC	DESIGNED - IRC	REVISED -
ESCA PROJECT NO. 1359.11	DRAWN - IRC	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/15/2023	DATE - 04/23	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SN 073-0002 EXISTING STRUCTURE PLANS  
FOR INFORMATION ONLY

SCALE: AS SHOWN SHEET NO. 8 OF 8 SHEETS STA. TO STA.

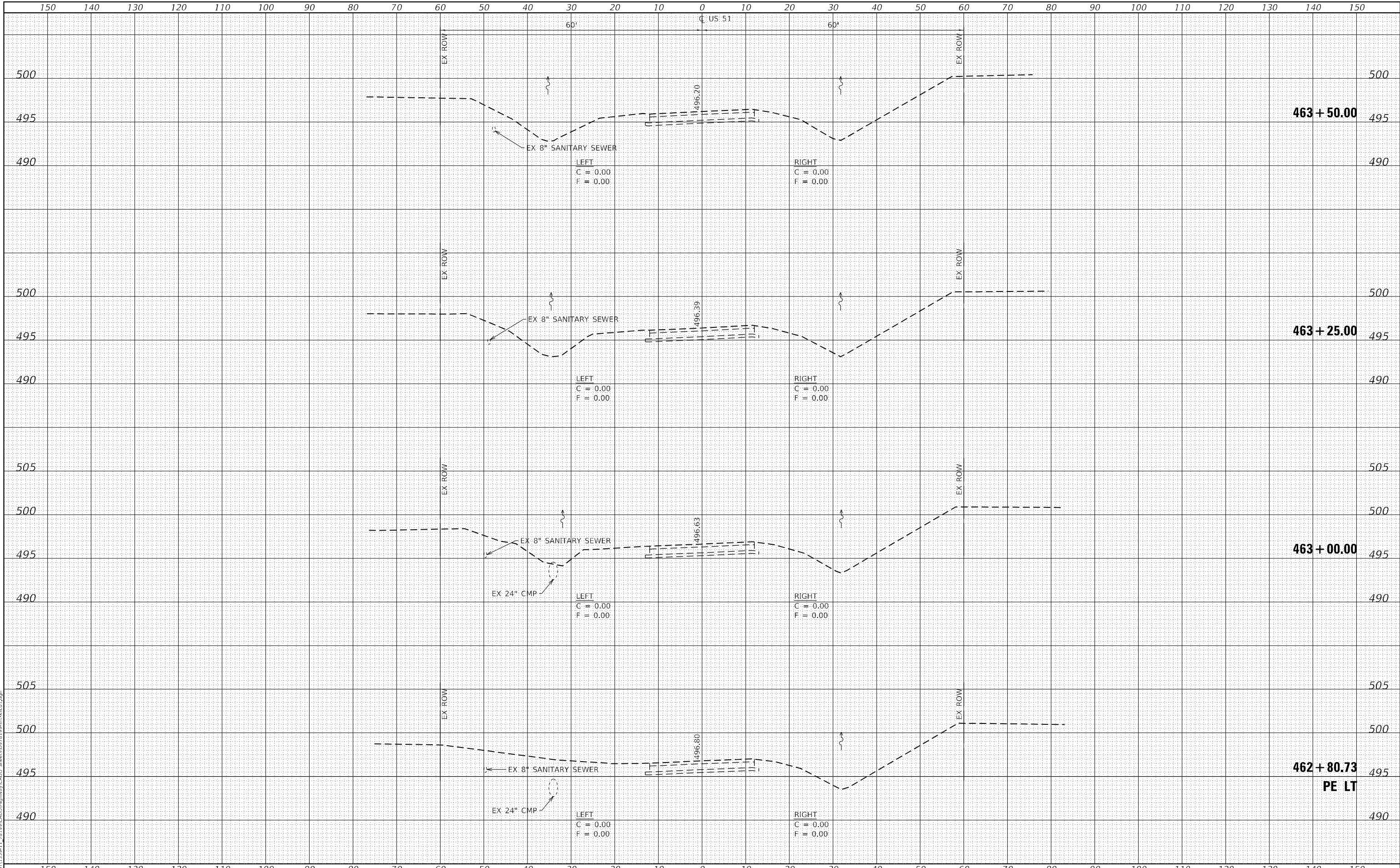
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	6B-1	PERRY	61	49
CONTRACT NO. 78199				

ILLINOIS FED. AID PROJECT

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

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

MODEL: Definit  
FILE NAME: T:\DOT\1359-11\_78-199\CADD\Highway\CADD\_Sheets\DWG\99-58-1-680.dwg



USER NAME	= IRC
ESCA PROJECT NO.	1359,11
PLOT SCALE	= 20,0000 * / in.
PLOT DATE	= 8/15/2023

DESIGNED	- IRC/ELH	REVISED	-
DRAWN	- JPC/IRC	REVISED	-
CHECKED	- ELH	REVISED	-
DATE	- 04/23	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PRE-STAGE I & STAGE I US 51 CROSS SECTIONS**

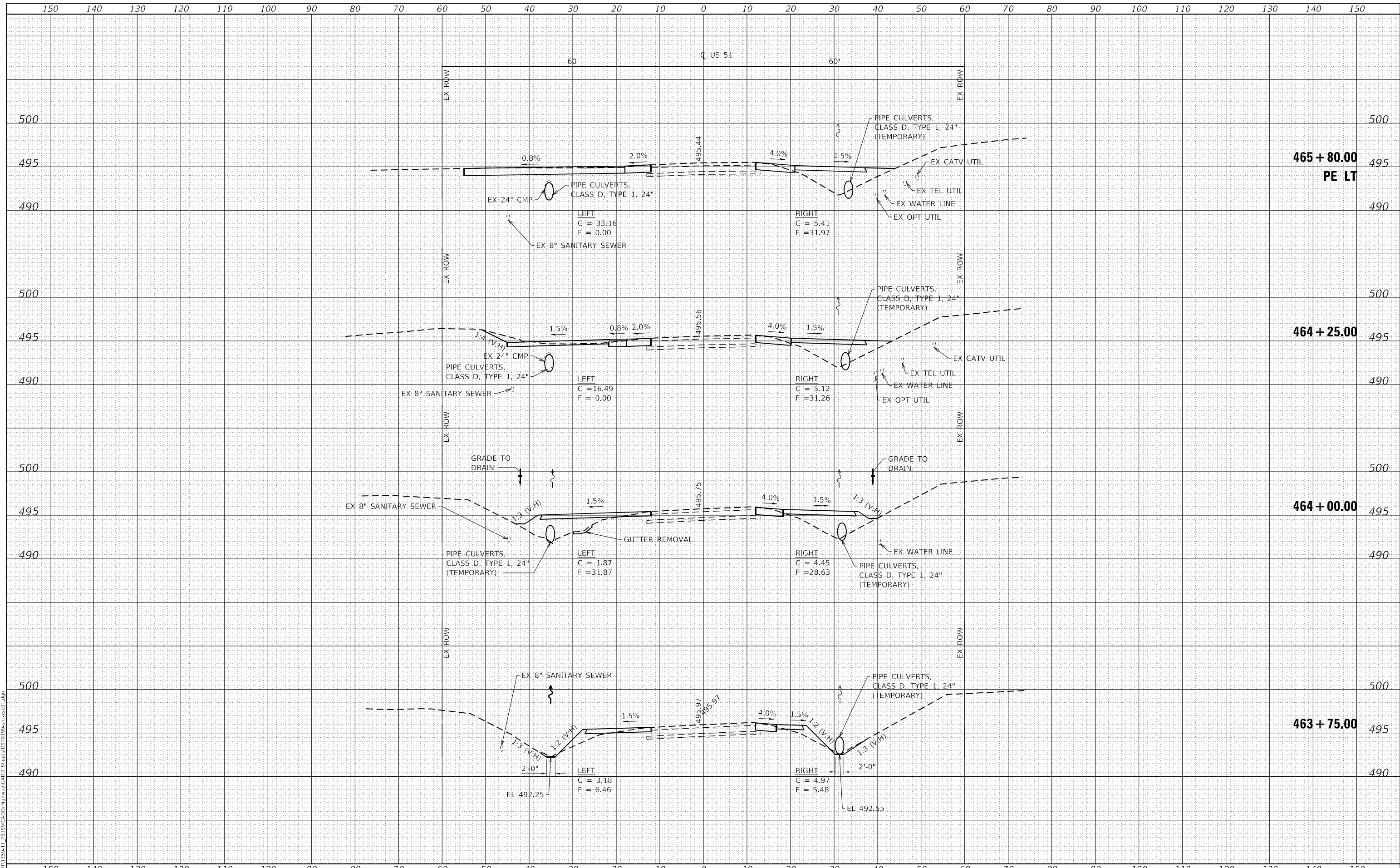
SCALE: AS SHOWN    SHEET 1 OF 6 SHEETS    STA. 462+80.73 TO STA. 463+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	68-1	PERRY	61	50
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit  
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USER NAME = IRC  
ESCA PROJECT NO. 1359-11  
PLOT SCALE = 20,000 \* / in.  
PLOT DATE = 8/15/2023

DESIGNED - IRC/ELH  
DRAWN - JPC/IRC  
CHECKED - ELH  
DATE - 04/23

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRE-STAGE I & STAGE I US 51 CROSS SECTIONS

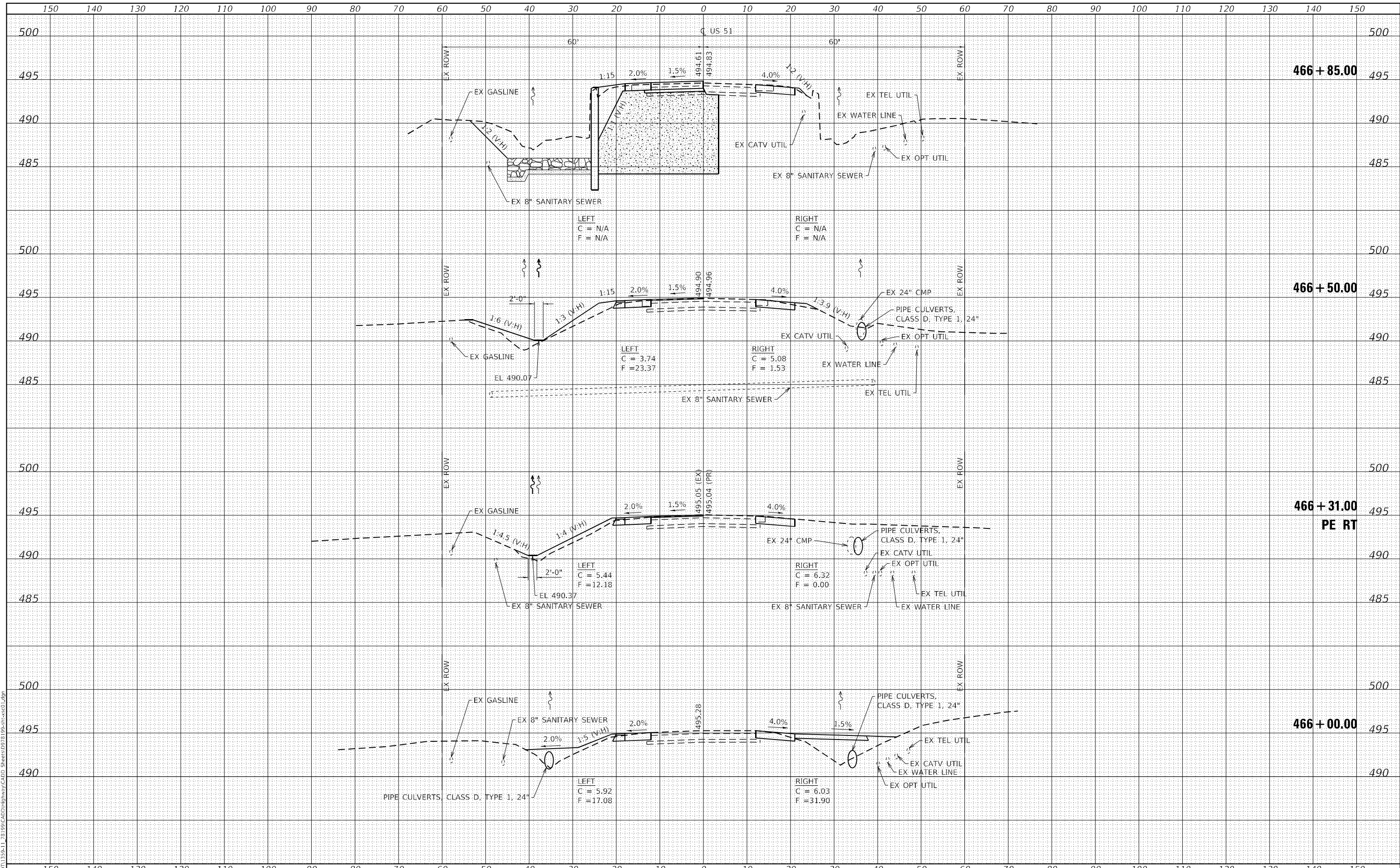
SCALE: AS SHOWN SHEET 2 OF 6 SHEETS STA. 463+75.00 TO STA. 465+80.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	68-1	PERRY	61	51
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

MODEL: Definit  
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USER NAME = IRC  
 ESCA PROJECT NO. 1359-11  
 PLOT SCALE = 20,0000 \* / in.  
 PLOT DATE = 8/15/2023

DESIGNED - IRC/ELH  
 DRAWN - JPC/IRC  
 CHECKED - ELH  
 DATE - 04/23

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PRE-STAGE I & STAGE I US 51 CROSS SECTIONS**

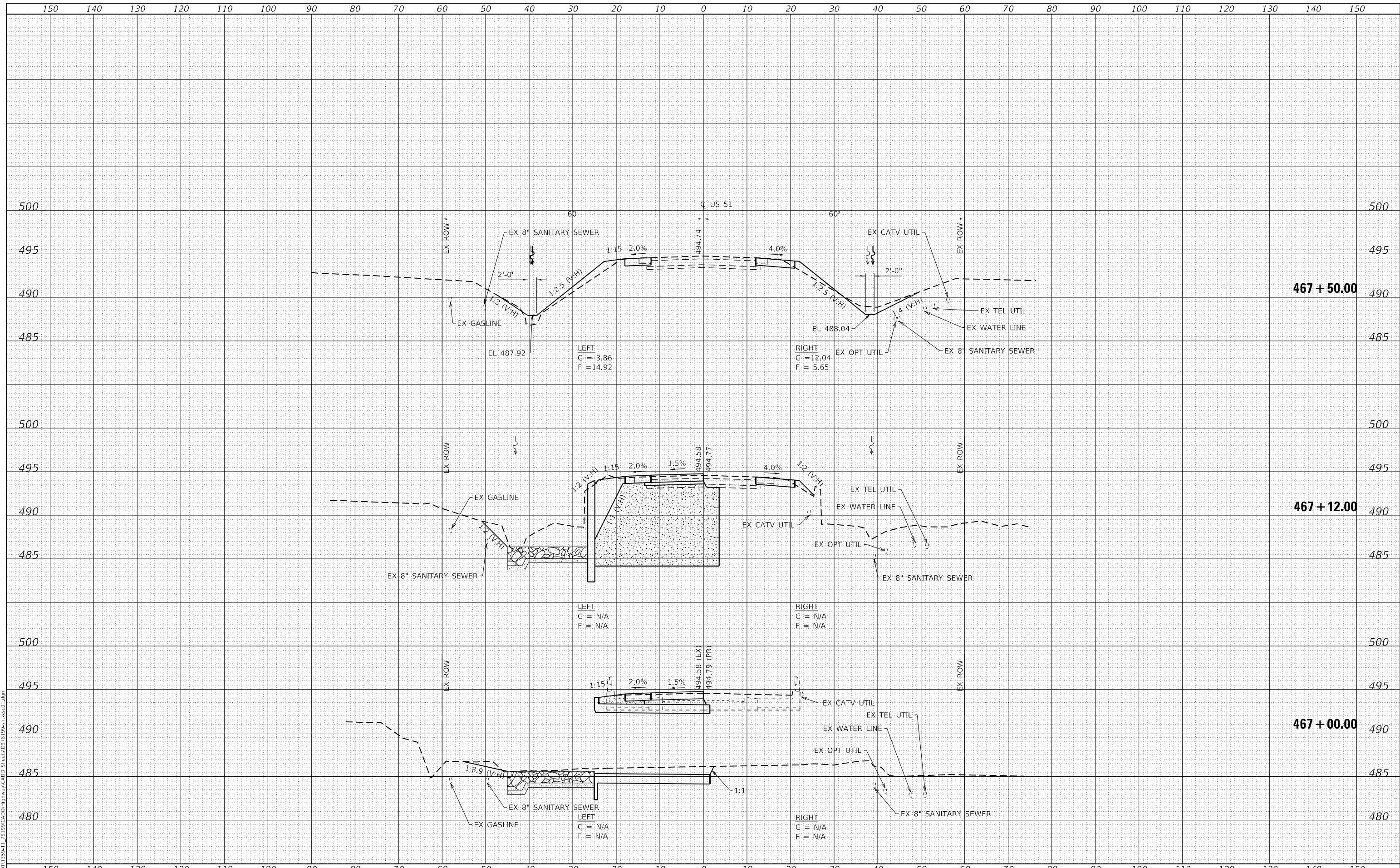
SCALE: AS SHOWN SHEET 3 OF 6 SHEETS STA. 466+00.00 TO STA. 466+85.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	68-1	PERRY	61	52
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit  
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USER NAME = IRC  
 ESCA PROJECT NO. 1359-11  
 PLOT SCALE = 20,000 \* / in.  
 PLOT DATE = 8/15/2023

DESIGNED - IRC/ELH  
 DRAWN - JPC/IRC  
 CHECKED - ELH  
 DATE - 04/23

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PRE-STAGE I & STAGE I US 51 CROSS SECTIONS**

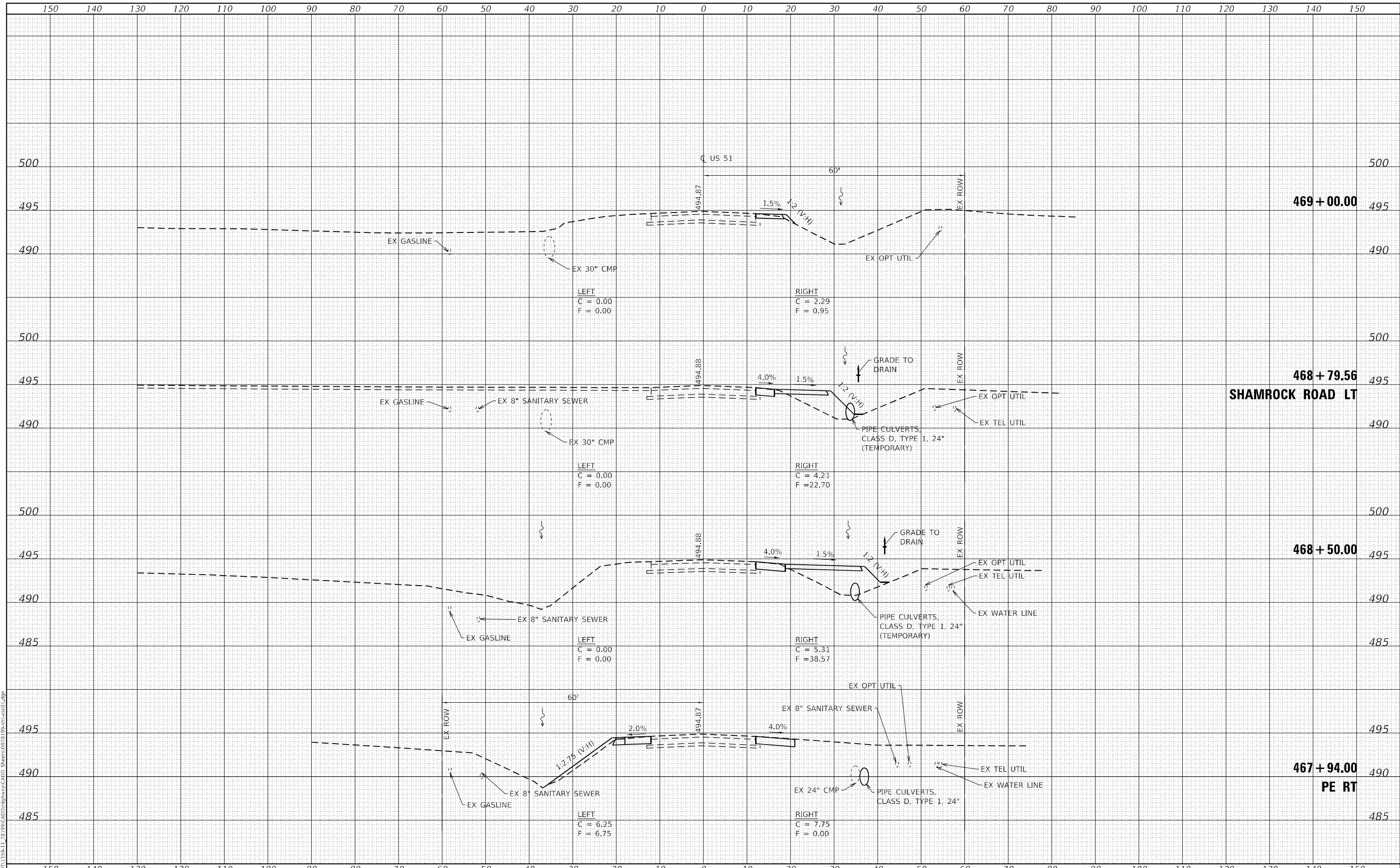
SCALE: AS SHOWN SHEET 4 OF 6 SHEETS STA. 467+00.00 TO STA. 467+50.00

F.A.P. RTE. 322	SECTION 68-1	COUNTY PERRY	TOTAL SHEETS 61	SHEET NO. 53
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: D:\mfr\...  
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USER NAME = IRC	DESIGNED - IRC/ELH	REVISED -
ESCA PROJECT NO. 1359-11	DRAWN - JPC/IRC	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/15/2023	DATE - 04/23	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PRE-STAGE I & STAGE I US 51 CROSS SECTIONS**

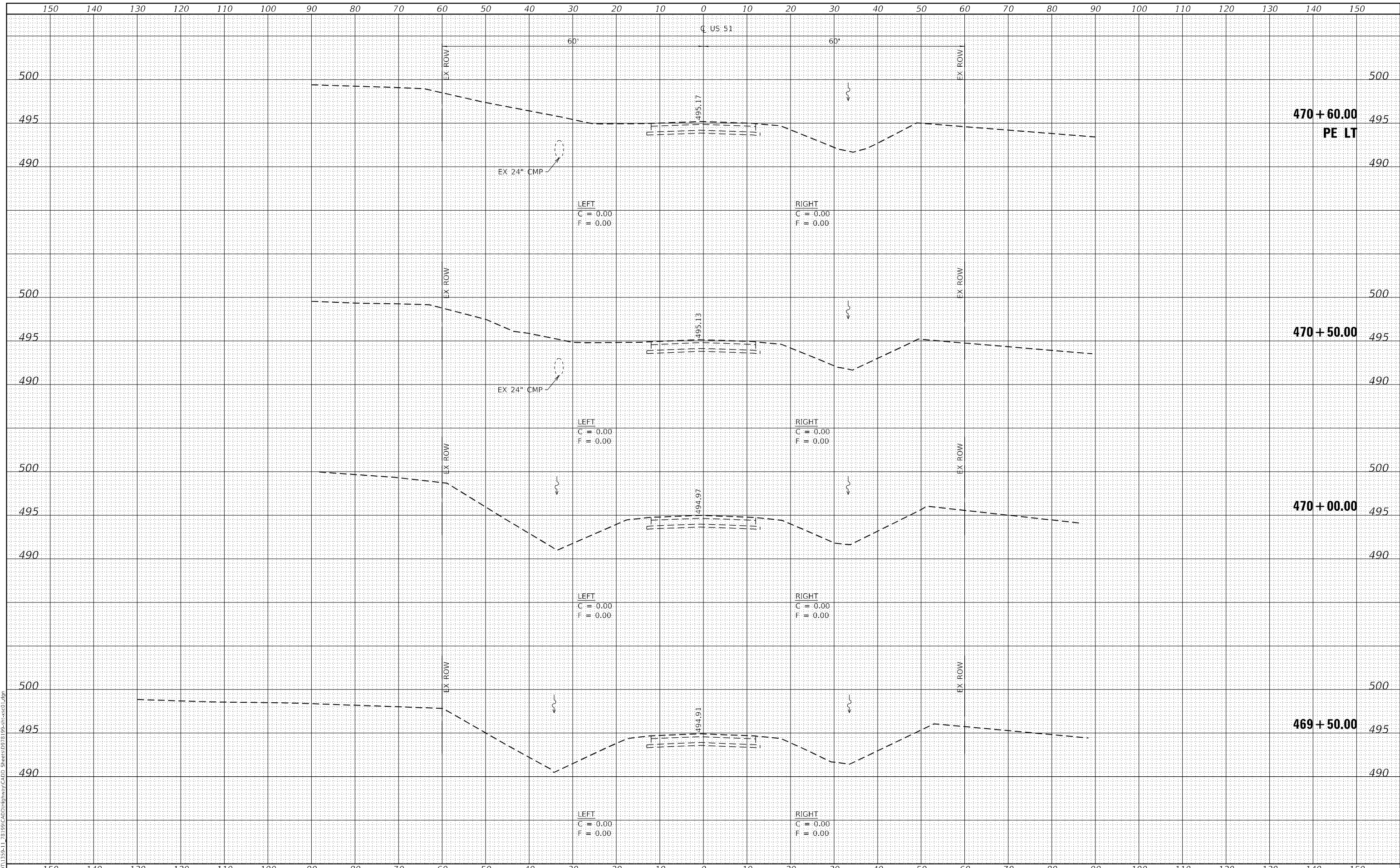
SCALE: AS SHOWN    SHEET 5 OF 6 SHEETS    STA. 467+94.00 TO STA. 469+00.00

F.A.P. RTE. 322	SECTION 6B-1	COUNTY PERRY	TOTAL SHEETS 61	SHEET NO. 54
			CONTRACT NO. 78199	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit  
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USER NAME = IRC  
 ESCA PROJECT NO. 1359-11  
 PLOT SCALE = 20,0000 \* / in.  
 PLOT DATE = 8/15/2023

DESIGNED - IRC/ELH  
 DRAWN - JPC/IRC  
 CHECKED - ELH  
 DATE - 04/23

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PRE-STAGE I & STAGE I US 51 CROSS SECTIONS**

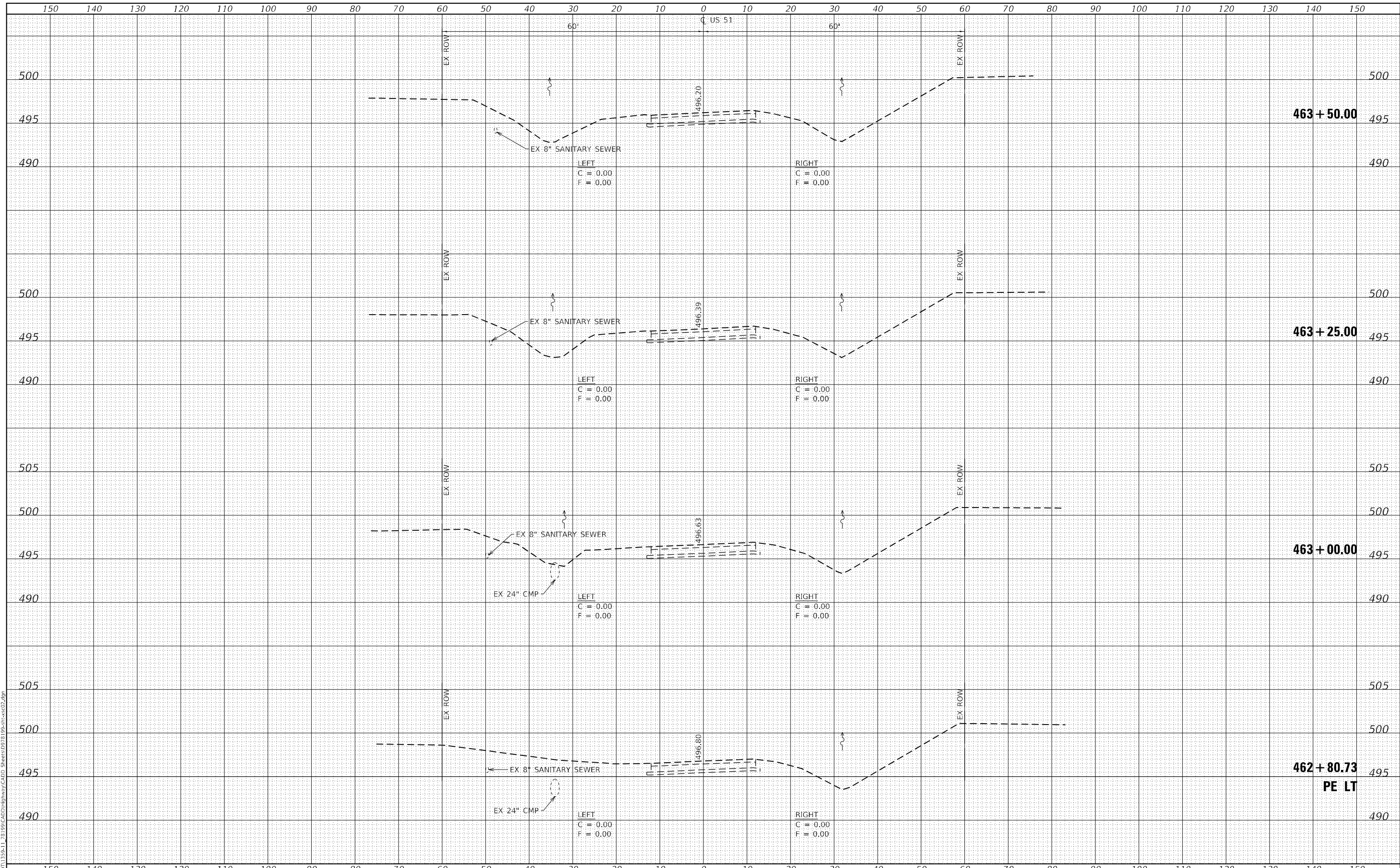
SCALE: AS SHOWN SHEET 6 OF 6 SHEETS STA. 469+50.00 TO STA. 470+60.00

F.A.P. RTE. 322	SECTION 68-1	COUNTY PERRY	TOTAL SHEETS 61	SHEET NO. 55
CONTRACT NO. 78199			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Definit  
FILE NAME: T:\DOT\1359-11\_78-199\CADD\Highway\CADD\_Sheets\DWG\Sheet\DWG\68-1-1.dwg



USER NAME = IRC  
ESCA PROJECT NO. 1359-11  
PLOT SCALE = 20,0000 \* / in.  
PLOT DATE = 8/15/2023

DESIGNED - IRC/ELH  
DRAWN - JPC/IRC  
CHECKED - ELH  
DATE - 04/23

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE II US 51 CROSS SECTIONS**  
SCALE: AS SHOWN SHEET 1 OF 6 SHEETS STA. 462+80.73 TO STA. 463+50.00

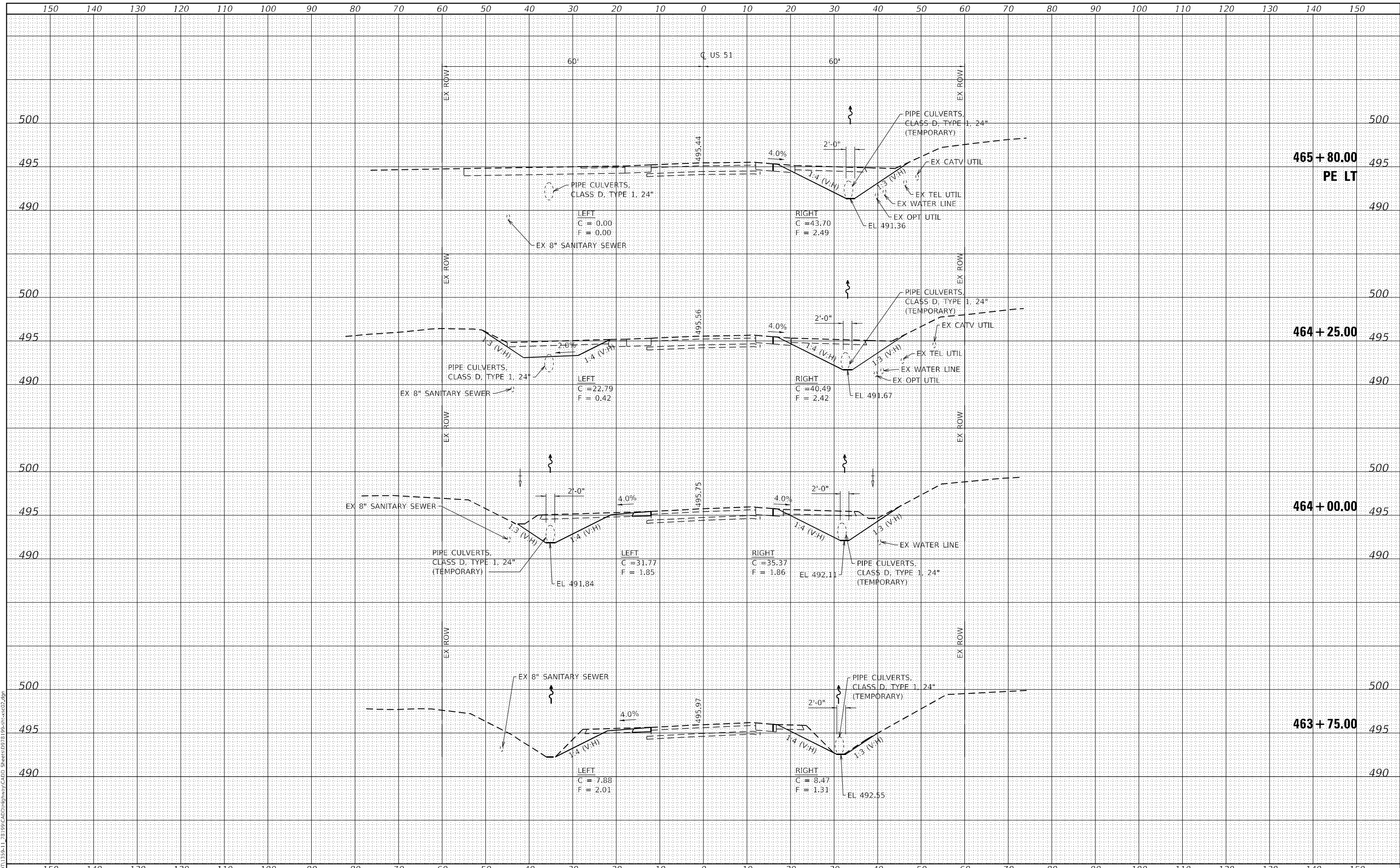
F.A.P. RTE. 322	SECTION 68-1	COUNTY PERRY	TOTAL SHEETS 61	SHEET NO. 56
CONTRACT NO. 78199			ILLINOIS FED. AID PROJECT	



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

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

MODEL: Definit  
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USER NAME = IRC  
 ESCA PROJECT NO. 1359-11  
 PLOT SCALE = 20,0000' / in.  
 PLOT DATE = 8/15/2023

DESIGNED - IRC/ELH  
 DRAWN - JPC/IRC  
 CHECKED - ELH  
 DATE - 04/23

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STAGE II US 51 CROSS SECTIONS

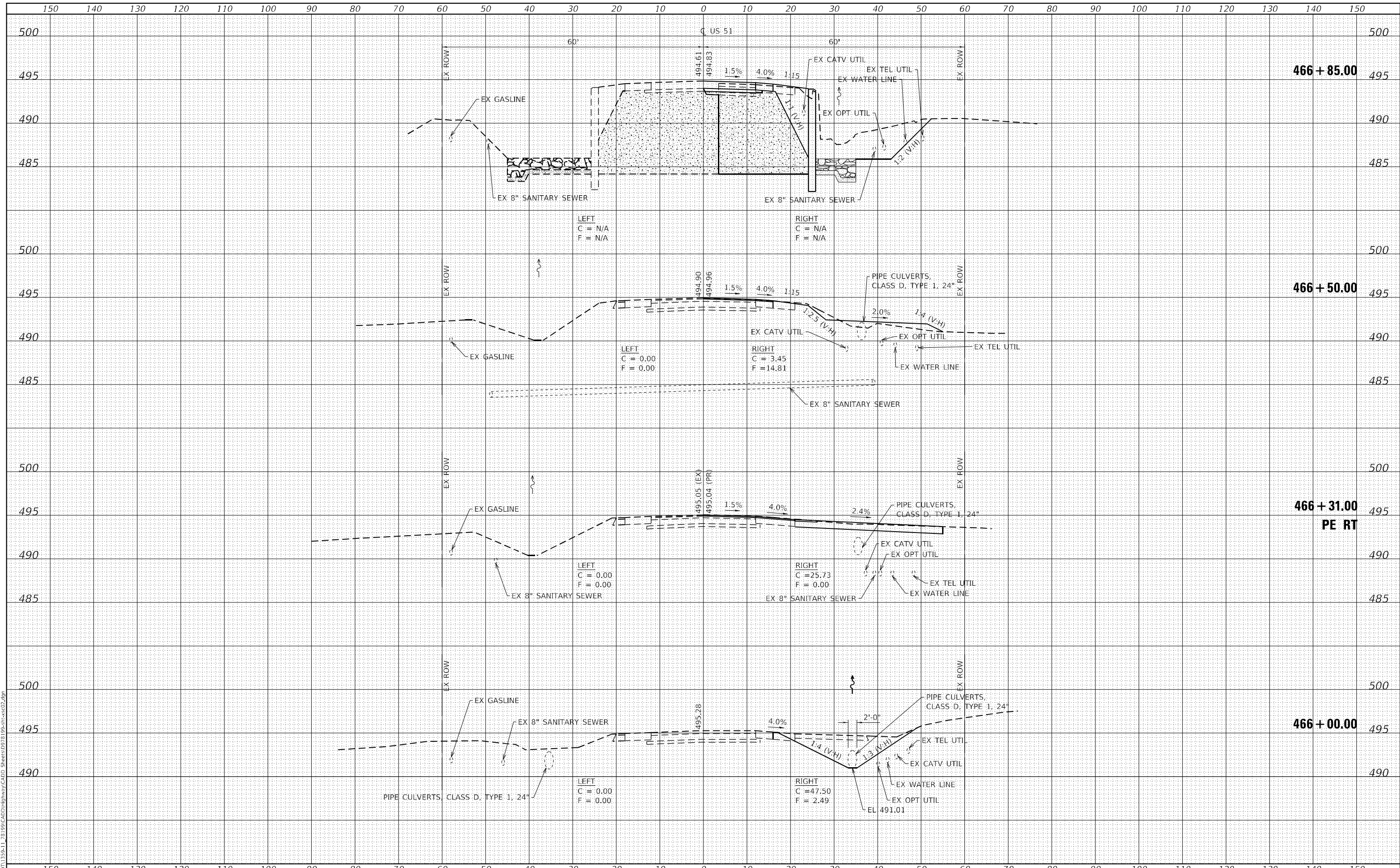
SCALE: AS SHOWN SHEET 2 OF 6 SHEETS STA. 463+75.00 TO STA. 465+80.00

F.A.P. RTE. 322	SECTION 68-1	COUNTY PERRY	TOTAL SHEETS 61	SHEET NO. 57
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78199	

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

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

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USER NAME = IRC  
 ESCA PROJECT NO. 1359-11  
 PLOT SCALE = 20,0000' / in.  
 PLOT DATE = 8/15/2023

DESIGNED - IRC/ELH  
 DRAWN - JPC/IRC  
 CHECKED - ELH  
 DATE - 08/23

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGE II US 51 CROSS SECTIONS**

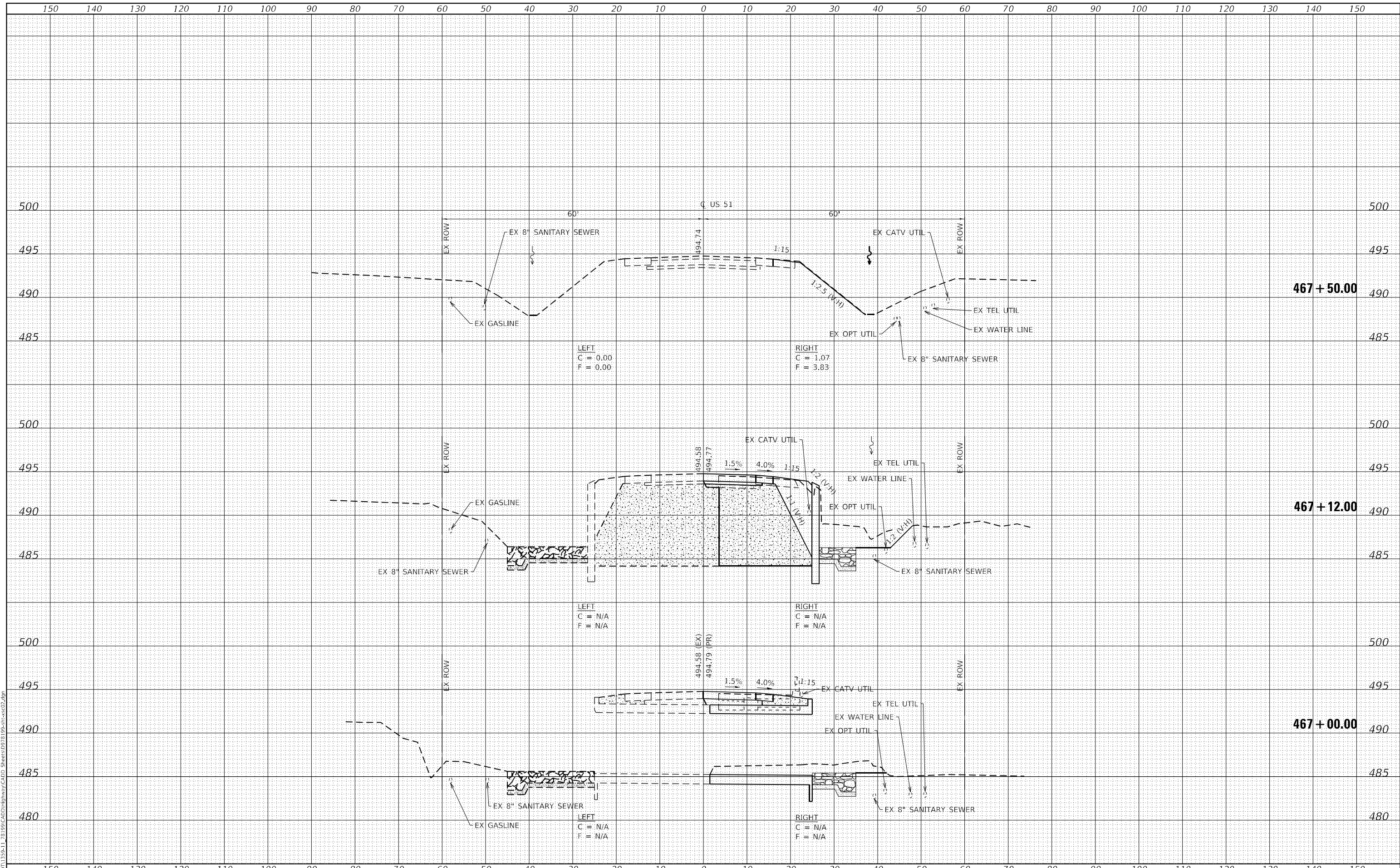
SCALE: AS SHOWN SHEET 3 OF 6 SHEETS STA. 466+00.00 TO STA. 466+85.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	68-1	PERRY	61	58
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit  
 FILE NAME: T:\DOT\1359-11-28-199\CAD\Highway\CAD\_Sheets\DWG\99-58-cc2.dwg



**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGE II US 51 CROSS SECTIONS**

SCALE: AS SHOWN    SHEET 4 OF 6 SHEETS    STA. 467+00.00 TO STA. 467+50.00

USER NAME = IRC	DESIGNED - IRC/ELH	REVISED -
ESCA PROJECT NO. 1359-11	DRAWN - JPC/IRC	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/15/2023	DATE - 04/23	REVISED -

F.A.P. RTE. 322	SECTION 68-1	COUNTY PERRY	TOTAL SHEETS 61	SHEET NO. 59
CONTRACT NO. 78199				
ILLINOIS FED. AID PROJECT				

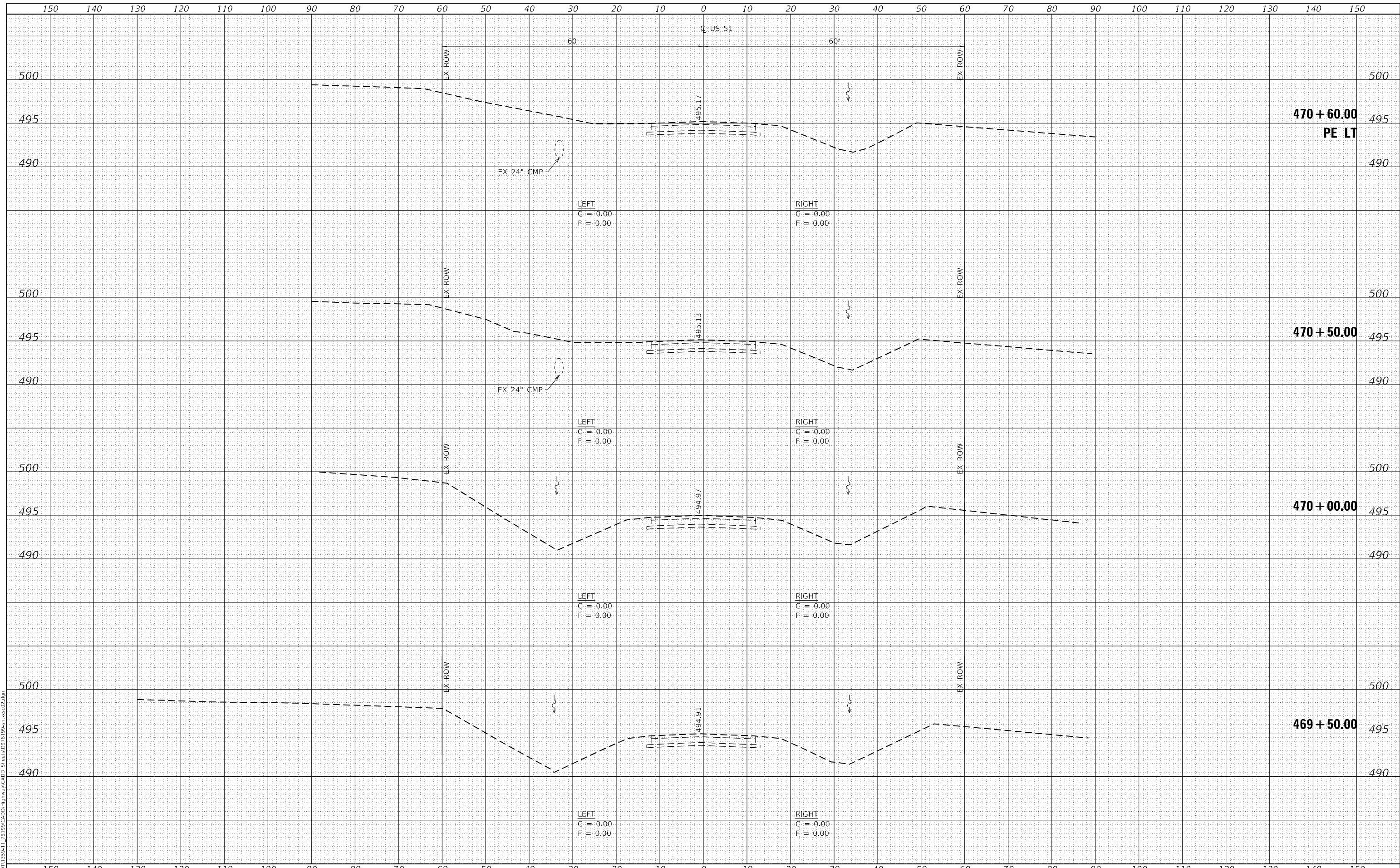




DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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USER NAME = IRC	DESIGNED - IRC/ELH	REVISED -
ESCA PROJECT NO. 1359.11	DRAWN - JPC/IRC	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED - ELH	REVISED -
PLOT DATE = 8/15/2023	DATE - 04/23	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGE II US 51 CROSS SECTIONS**

SCALE: AS SHOWN    SHEET 6 OF 6 SHEETS    STA. 469+50.00 TO STA. 470+60.00

F.A.P. RTE. 322	SECTION 6B-1	COUNTY PERRY	TOTAL SHEETS 61	SHEET NO. 61
CONTRACT NO. 78199			ILLINOIS FED. AID PROJECT	