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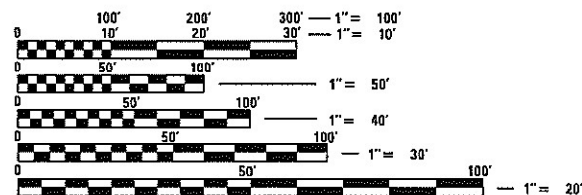
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- 701306-04
- 701321-18
- 701901-08
- 704001-08
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- 782006-01

DESIGN DESIGNATION (IL 41)

MINOR ARTERIAL
 2019 ADT = 2050
 MU = 225
 SU = 150



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

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

PROJECT ENGINEER: RICH DOTSON (309)671-3455
 PROJECT MANAGER: ANNA DEVINE (309)671-3475

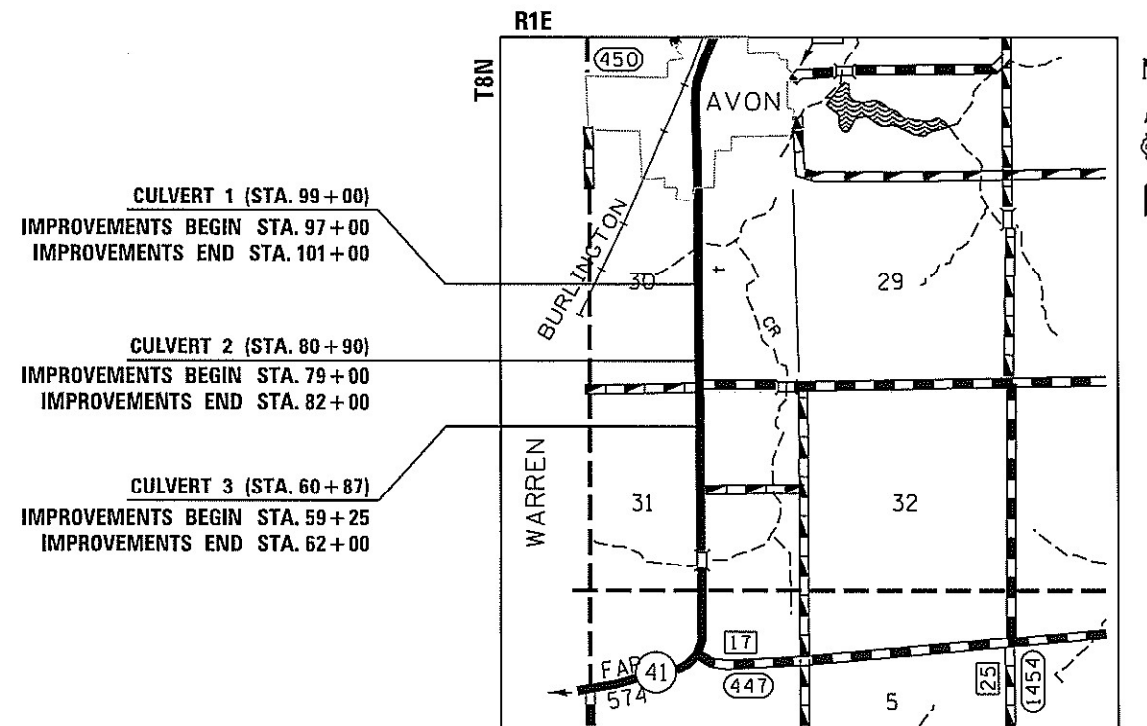
CATALOG NO. 035644-00D
 CONTRACT NO. 68E54

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**PROPOSED
 HIGHWAY PLANS**

FAP ROUTE 574 (IL 41)
 SECTION (12)CLV,SLP
 PROJECT STP-WGHF(739)
 CULVERT REPAIR
 FULTON COUNTY

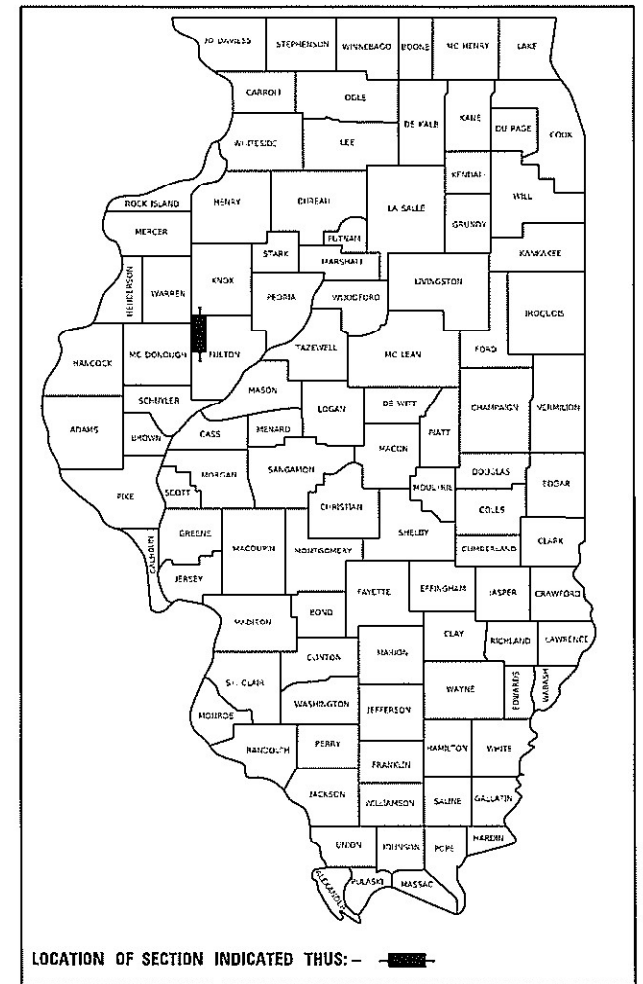
C-94-090-18



GROSS LENGTH = 975.0 FT. = 0.185 MILE
 NET LENGTH = 975.0 FT. = 0.185 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	1
		ILLINOIS	CONTRACT NO. 68E54	

D-94-067-18



PROJECT DESCRIPTION: THIS PROJECT CONSISTS OF HEADWALL REMOVAL AND REPLACEMENT, CULVERT EXTENSIONS, SLOPE REPAIR, AND ANY OTHER COLLATERAL WORK NECESSARY TO COMPLETE THE PROJECT AS SHOWN IN THE PLANS.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED February 1, 2023
Kenneth Barnett
 REGION THREE ENGINEER

March 24, 2023
Steph A. Etk
 ENGINEER OF DESIGN AND ENVIRONMENT

March 24, 2023
Steph M. Smith
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS**

GENERAL NOTES:

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

1. The Temporary Construction Easement area for Parcel No. 4BAK002 shall be returned to the owner in as good as or better condition.
2. The property owner of Parcel No. 4BAK002 shall be notified 30 days in advance of any work beginning along the property line. Mr. Charles McElvaine shall be contacted at (309) 368-4422

AVAILABILITY OF ELECTRONIC FILES

MicroStation and GEOPAK files of this project will be made available to the Contractor after contract award. If there is a conflict between the electronic files and the printed contract plans and documents, the printed contract plans and documents shall take precedence over the electronic files. The Contractor shall accept all risk associated with using the electronic files and shall hold the Department harmless for any errors or omissions in the electronic files and the data contained therein. Errors or delays resulting from the use of the electronic files by the Contractor shall not result in an extension of time for any interim or final completion date or shall not be considered cause for additional compensation. The Contractor shall not use, share, or distribute these electronic files except for the purpose of constructing this contract. Any claims by third parties due to use or errors shall be the responsibility of the Contractor. The Contractor shall include this disclaimer with the transfer of these electronic files to any other parties and shall include appropriate language binding them to similar responsibilities.

PROPERTY OWNER ACCESS REQUIREMENTS

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

CLEARING

At locations where clearing is indicated on the plans beyond the limits of the proposed excavation or embankment, the Contractor shall restore the disturbed earth by blading and shaping to blend with the adjacent ground. The clearing will not be paid for separately but shall be included in the cost of the excavation pay items in the plans. Payment for reseeded or resodding will be as provided in the plans.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Cultural and Natural Resources Review of Borrow Areas)
- * BDE Form 2290 (Waste/Use Area Review)
- * A location map showing the size limits and location of the use area
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form - D4 PI0101

ENVIRONMENTAL REVIEWS CONT.

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES

In accordance with Section 602 of the Standard Specifications, the connecting of existing drain tiles, pipe culverts, or storm sewers to the proposed drainage system structures will not be paid for separately but shall be considered as included in the pay items provided.

RIGHT-OF-WAY MARKERS

When installing right-of-way markers, care shall be taken to not disturb any existing property/right-of-way pins. If a property/right-of-way pin is found at the location of a proposed right-of-way marker, the marker shall be placed one (1) foot in front of the pin.

STATUS OF UTILITIES

ROUTE	LOCATION	MIN. DEPTH	COMPANY	CONTACT	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
IL 41	Culvert Location 1	24" min.	Lumen/Centruy Link/Brightspeed		F.O.	Culvert extensions/ Grading/Riprap Placement	CAUTION*
	Lt. Sta. 96+75 to 101+00	(10' under culvert)			(50 P.R. CABLE)		
	~3' within EXISTING ROW, west side of IL 41						
IL 41	Culvert Location 2	24" min.	Lumen/Centruy Link/Brightspeed	Brad Stockham Office (309)446-3412 Cell (309)267-3287 Bradley.Stockham@Brightspeed.com	F.O.	Culvert Extensions/ Grading/Riprap Placement	CAUTION*
	Lt. Station 79+00 to 82+25	(10' under culvert)			(50 P.R. CABLE)		
	~3' within EXISTING ROW, west side of IL 41						
IL 41	Culvert Location 3	24" min.	Lumen/Centruy Link/Brightspeed		F.O.	Culvert extensions/ Grading/Riprap Placement	CAUTION*
	Lt. Station 58+75 to 62+50	(10' under culvert)			(50 P.R. CABLE)		
	~3' within EXISTING ROW, west side of IL 41						
IL 41	Culvert Location 1	24"	Bluebird	Patrick Higgins Work (314)877-8780 Cell (314)458-7922 patrick.higgins@bluebirdnetwork.com	F.O.	Culvert extensions/ Grading/Riprap Placement	CAUTION*
	3'-5' within PROPOSED ROW, west side of IL 41				(1-1.25" HDPE)		
IL 41	Culvert Location 2	24"	Bluebird		F.O.	Culvert Extensions/ Grading/Riprap Placement	CAUTION*
	3'-5' within PROPOSED ROW, west side of IL 41				(1-1.25" HDPE)		
IL 41	Culvert Location 3	24"	Bluebird		F.O.	Culvert extensions/ Grading/Riprap Placement	CAUTION*
	3'-5' within PROPOSED ROW, west side of IL 41				(1-1.25" HDPE)		
IL 41	parallel to IL 41, east side of road. See cross sections for exact locations & depths	VARIES	Ameren Illinois Gas Division	Reed Cooling Cell (309)360-0653 rcooling@ameren.com	3"HPD Gas	Culvert Extensions/ Grading/Riprap Placement	CAUTION
IL 41	parallel to IL 41, west side of road, poles within limits of State right-of-way	N/A	Ameren Illinois Electric	Nathan Brunnelson Cell (309)213-6720 nbrunnelson@ameren.com	aerial power lines	Equipment Earthwork/ Culvert Extention	CAUTION

*If installed per permit plans

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES & STATUS OF UTILITIES

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	2
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				0004
				BOX CULVERT
				EXTENSIONS
				80% FED/20% STATE
				RURAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	38	38
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	67	67
20100500	TREE REMOVAL, ACRES	ACRE	0.5	0.5
20200100	EARTH EXCAVATION	CU YD	475	475
20400800	FURNISHED EXCAVATION	CU YD	1315	1315
20700220	POROUS GRANULAR EMBANKMENT	CU YD	25	25
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	182	182
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4233	4233
21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	100	100
25000300	SEEDING, CLASS 3	ACRE	1.5	1.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	135	135
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	135	135
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	135	135
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	6806	6806

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PLOT DATE = 1/30/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	3
CONTRACT NO. 68E54			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED/20% STATE RURAL	EXTENSIONS
				0004	BOX CULVERT
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	141	141	
28000305	TEMPORARY DITCH CHECKS	FOOT	192	192	
28000400	PERIMETER EROSION BARRIER	FOOT	2017	2017	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	6806	6806	
28100125	STONE RIPRAP, CLASS B3	SQ YD	532	532	
28100127	STONE RIPRAP, CLASS B4	SQ YD	648	648	
28100225	STONE RIPRAP, CLASS B3	TON	66	66	
28200200	FILTER FABRIC	SQ YD	648	648	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	74	74	
50104400	CONCRETE HEADWALL REMOVAL	EACH	8	8	
50105220	PIPE CULVERT REMOVAL	FOOT	48	48	
50200100	STRUCTURE EXCAVATION	CU YD	17	17	
* 50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	61	61	
50800105	REINFORCEMENT BARS	POUND	170	170	

* = SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	4
			CONTRACT NO. 68E54	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED/20% STATE	RURAL
				0004	
				BOX CULVERT	
				EXTENSIONS	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	212		212
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2		2
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2		2
54001003	BOX CULVERT END SECTIONS, CULVERT NO. 3	EACH	2		2
54010303	PRECAST CONCRETE BOX CULVERTS 3' X 3'	FOOT	83		83
54010403	PRECAST CONCRETE BOX CULVERTS 4' X 3'	FOOT	47		47
54248510	CONCRETE COLLAR	CU YD	7		7
63200310	GUARDRAIL REMOVAL	FOOT	909		909
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	24		24
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	11		11
67100100	MOBILIZATION	L SUM	1		1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	3		3
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	5
			CONTRACT NO. 68E54	
		ILLINOIS	FED. AID PROJECT	

CONSTR. CODE
0004
BOX CULVERT
EXTENSIONS
80% FED/20% STATE
RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	3	3
70106700	TEMPORARY RUMBLE STRIPS	EACH	18	18
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	2495	2495
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	14
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2486	2486
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	2656	2656
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	4660	4660
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	3890	3890
70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	75	75
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1275	1275
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1162.5	1162.5
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	6	6
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	6	6
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5071	5071

*= SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	6
			CONTRACT NO. 68E54	
		ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED/20% STATE	RURAL
				0004	
				BOX CULVERT	
				EXTENSIONS	
* 78001130	PAINT PAVEMENT MARKING LINE 6"	FOOT	9430		9430
X0325279	CLASS SI CONCRETE (MISCELLANEOUS)	CU YD	3		3
X0900071	SHEET PILE REMOVAL, SPECIAL	SQ FT	72		72
X1200050	BOX CULVERT REMOVAL	FOOT	9		9
X5010205	REMOVAL OF EXISTING STRUCTURE, SPECIAL	EACH	1		1
Z0013300	CONCRETE REMOVAL (SPECIAL)	SQ YD	70		70
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1
Z0022800	FENCE REMOVAL	FOOT	306		306
* Z0054400	ROCK FILL	CU YD	37		37

*= SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV.SLP	FULTON	55	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68E54	

LOCATION	INFORMATION ONLY												
	EARTH EXCAVATION	FURNISHED EXCAVATION	EARTH EX. INCLUDING RIPRAP AREAS	EARTH EXCAVATION ADJUST FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	STRUCTURE EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	TOPSOIL FURNISH AND PLACE, 4"	AGGREGATE SHOULDERS, TYPE B			
	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	SQ. YD.	TON			
CULVERT 1													
RT. STA.	97+00.0	TO	101+25.0	140.0	605.8	263.0	197.3	803.0	-605.8	0.0	18.0	1366.3	16.2
LT. STA.	97+50.0	TO	100+25.0	143.0	474.5	178.0	133.5	608.0	-474.5	14.0	0.0	1315.3	16.4
CULVERT 2													
RT. STA.	79+00.0	TO	81+75.0	54.0	141.5	126.0	94.5	236.0	-141.5	0.0	5.0	418.8	8.4
LT. STA.	79+00.0	TO	82+00.0	91.0	46.3	153.0	114.8	161.0	-46.3	0.0	19.0	497.4	14.4
CULVERT 3													
RT. STA.	59+75.0	TO	62+00.0	42.0	8.5	58.0	43.5	52.0	-8.5	0.0	19.0	336.4	5.1
LT. STA.	59+25.0	TO	62+00.0	5.0	37.3	13.0	9.8	47.0	-37.3	3.0	0.0	298.5	13.1
SUB-TOTAL				475.0	1313.8	791.0	593.3	1907.0	-1313.8	17.0	61.0	4232.6	73.6
TOTAL				475.0	1315.0					17.0	61.0	4233.0	74.0

LOCATION					GUARDRAIL REMOVAL
					FOOT
CULVERT 1					
RT. STA.	98+00	TO	100+05		200.0
LT. STA.	98+00	TO	100+05		205.0
CULVERT 2					
RT. STA.	80+57	TO	81+59		152.0
LT. STA.	80+00	TO	81+51		151.0
CULVERT 3					
RT. STA.	60+32	TO	61+32		100.6
LT. STA.	60+38	TO	61+39		100.7
TOTAL					909.0

LOCATION				FENCE REMOVAL
				FOOT
CULVERT 1				
RT. STA.	97+11	TO	99+59	248.0
RT. STA.	99+59	TO	99+71	58.0
TOTAL				306.0

LOCATION			EXPLORATION TRENCH 72"
			DEPTH
			FOOT
CULVERT 1			
STA.	98+65.0	40.0' LT	50.0
CULVERT 2			
STA.	80+47.0	47.0' LT	50.0
TOTAL			100.0

LOCATION					PIPE CULVERT REMOVAL	
					FOOT	
CULVERT 2						
STA.	80+30.2	25' RT	TO	80+48.5	25' RT	18.0
STA.	80+61.0	61' LT	TO	80+74.0	34' LT	30.0
TOTAL					48.0	

LOCATION	TREE REMOVAL, ACRES	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	SEEDING, CLASS 3	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	HEAVY DUTY EROSION CONTROL BLANKET	PERIMETER EROSION BARRIER	TEMPORARY DITCH CHECKS	
	ACRE	UNIT	UNIT	ACRE	90 lb/acre POUND	90 lb/acre POUND	90 lb/acre POUND	SQ. YD.	FOOT	FOOT	
CULVERT 1											
RT. SIDE	0.43	38.0	67.0	0.42	37.80	37.80	37.80	2027.6	428.5	8.0	
LT. SIDE	0			0.38	34.20	34.20	34.20	1858.7	420.0	88.0	
CULVERT 2											
RT. SIDE	0.15			0.16	14.40	14.40	14.40	758.4	380.0	24.0	
LT. SIDE	0			0.22	19.80	19.80	19.80	1049.0	352.0	16.0	
CULVERT 3											
RT. SIDE				0.13	11.70	11.70	11.70	630.8	230.0	24.0	
LT. SIDE				0.10	9.00	9.00	9.00	481.6	206.0	32.0	
SUB-TOTAL		0.58	38.0	67.0	1.41	126.9	126.9	126.9	6806.0	2016.5	192.0
TOTAL		0.5	38.0	67.0	1.5	135.0	135.0	135.0	6806.0	2017.0	192.0

LOCATION				STONE RIPRAP, CLASS B3	STONE RIPRAP, CLASS B3	STONE RIPRAP, CLASS B4	FILTER FABRIC
				SQ YD	TONS	SQ YD	SQ YD
CULVERT 1							
RT. STA.	97+50.0	TO	98+75.0	160.7			
RT. STA.	98+75.0	TO	99+25.0			193.1	193.1
RT. STA.	99+25.0	TO	101+75.0	188.1			
LT. STA.	98+92.0	TO	99+25.0			86.4	86.4
CULVERT 2							
RT. STA.	80+76.4	TO	81+20.0			181.9	181.9
RT. STA.	81+20.0	TO	81+50.0	98.1			
LT. STA.	80+00.0	TO	80+50.0	26.8			
LT. STA.	80+50.0	TO	81+00.0			149.3	149.3
LT. STA.	81+00.0	TO	81+50.0	58.6			
CULVERT 3							
RT. STA.	60+77.0	TO	60+94.0		6.2	36.8	36.8
LT. STA.	60+52.0	TO	61+21.0		59.9		
SUB-TOTAL				532.20	66.10	647.50	647.50
TOTAL				532.0	66.0	648.0	648.0

LOCATION			CONCRETE HEADWALL REMOVAL	BOX CULVERT REMOVAL	REMOVAL OF EXISTING STRUCTURE, SPECIAL	SHEET PILE REMOVAL, SPECIAL	CONCRETE REMOVAL (SPECIAL)
			EACH	FOOT	EACH	SQ FT	SQ YD
CULVERT 1							
RT. STA.	99+00		1.0	1.0	1.0	72.0	
LT. STA.	99+00		1.0	1.0			
CULVERT 2							
RT. STA.	80+30		1.0				
RT. STA.	80+49		1.0				
RT. STA.	81+07		1.0	1.0			53.3
LT. STA.	80+76		1.0	4.0			
CULVERT 3							
RT. STA.	60+85		1.0	1.0			
LT. STA.	60+85		1.0	1.0			16.7
TOTAL			8.0	9.0	1.0	72.0	70.0

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LOCATION		FURNISHING AND ERECTING RIGHT OF WAY MARKERS
		EACH
CULVERT 1		
RT. STA.	97+00.0	1.0
RT. STA.	98+75.0	1.0
RT. STA.	99+50.0	1.0
RT. STA.	101+00.0	1.0
LT. STA.	97+00.0	1.0
LT. STA.	98+50.0	1.0
LT. STA.	99+75.0	1.0
LT. STA.	101+00.0	1.0
CULVERT 2		
RT. STA.	80+50.0	1.0
RT. STA.	81+00.0	1.0
RT. STA.	81+75.0	1.0
RT. STA.	82+25.0	1.0
LT. STA.	79+75.0	1.0
LT. STA.	80+50.0	1.0
LT. STA.	81+25.0	1.0
LT. STA.	82+25.0	1.0
CULVERT 3		
RT. STA.	60+00.0	1.0
RT. STA.	60+75.0	1.0
RT. STA.	61+00.0	1.0
RT. STA.	61+25.0	1.0
LT. STA.	60+40.0	1.0
LT. STA.	60+75.0	1.0
LT. STA.	61+00.0	1.0
LT. STA.	61+40.0	1.0
SUB-TOTAL		24.0
TOTAL		24.0

LOCATION	PRECAST CONCRETE BOX CULVERTS		BOX CULVERT END SECTIONS, CULVERT NO. 1	BOX CULVERT END SECTIONS, CULVERT NO. 2	BOX CULVERT END SECTIONS, CULVERT NO. 3	CONCRETE COLLAR	REINFORCEMENT BARS	POROUS GRANULAR EMBANKMENT	ROCK FILL	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	TEMP. SOIL RETENTION SYSTEM	
	3' X 3'	4' X 3'										
	FT	FT	EACH	EACH	EACH	CU YD	POUND	CU YD	CU YD	SQ YD	SQ FT	
CULVERT 1												
RT. SIDE	26.5		1.0			1.0	25.5	4.3	13.0	39.0		
LT. SIDE	22.0		1.0			1.0	25.5	3.7		25.8		
CULVERT 2												
RT. SIDE		25.0		1.0		1.6	30.2	4.8	4.9	35.8		
LT. SIDE		22.0		1.0		1.6	30.2	4.4	4.4	29.8		
CULVERT 3												
RT. SIDE	16.0				1.0	0.9	26.9	2.9	14.3	29.0	123.4	
LT. SIDE	18.5				1.0	0.9	26.9	3.2		22.5	88.5	
SUB-TOTAL		83.0	47.0	2.0	2.0	2.0	7.0	165.2	23.3	36.6	181.9	211.9
TOTAL		83.0	47.0	2.0	2.0	2.0	7.0	170.0	25.0	37.0	182.0	212.0

LOCATION					CLASS SI CONCRETE (MISCELLANEOUS)	
					CU YD	
CULVERT 2						
STA.	80+78.1	21.9' LT	TO	81+06.0	27.7' RT	3.2
TOTAL					3.0	

LOCATION	MOBILIZATION	ENGINEER'S FIELD OFFICE, TYPE A	CHANGEABLE MESSAGE SIGN	CONSTRUCTION LAYOUT
	LSUM	CAL MO	CAL DAY	LSUM
JOBSITE	1.0	11.0	14.0	1.0
TOTAL	1.0	11.0	14.0	1.0

WINTER SHUTDOWN								
LOCATION	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT		TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT		TEMPORARY EROSION CONTROL SEEDING	TEMPORARY EROSION CONTROL BLANKET		
	YELLOW		WHITE					
	SKIP FOOT	SOLID FOOT	SOLID FOOT		POUND	SQ YD		
CULVERT 1								
STA.	95+00	TO	104+00		1800.0	1800.0	80.0	3886.2
CULVERT 2								
STA.	76+50	TO	79+64	80.0		628.0	38.0	1807.3
STA.	79+64	TO	84+50	130.0	486.0	972.0		
CULVERT 3								
STA.	57+75	TO	64+05	160.0		1260.0	23.0	1112.4
SUB-TOTAL				370.0	2286.0	4660.0	141.0	6806.0
JOB TOTAL					2656.0	4660.0	141.0	6806.0

LOCATION	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321
	LSUM	LSUM	EACH
CULVERT 1	0.33	0.33	1.0
CULVERT 2	0.33	0.33	1.0
CULVERT 3	0.33	0.33	1.0
TOTAL	1.0	1.0	3.0

LOCATION	PAINT PAVEMENT MARKING - LINE 4"		PAINT PAVEMENT MARKING - LINE 6"			
	YELLOW		WHITE			
	SKIP FOOT	SOLID FOOT	SOLID FOOT			
STA.	57+75	TO	72+45	370.0		2940.0
STA.	72+45	TO	73+15	20.0		
STA.	73+15	TO	79+64	170.0		1298.0
STA.	79+64	TO	88+75	230.0	911.0	1822.0
STA.	88+75	TO	105+60		3370.0	3370.0
SUB-TOTAL				790.0	4281.0	9430.0
JOB TOTAL				5071.0		9430.0

LOCATION	TEMPORARY BRIDGE TRAFFIC SIGNALS	TEMPORARY RUMBLE STRIPS	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	PAVEMENT MARKING BLACKOUT TAPE, 5"	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	SHORT TERM PAVEMENT MARKING REMOVAL
	EACH	EACH	FOOT	FOOT	EACH	EACH	FOOT	FOOT	FOOT	SQ FT
CULVERT 1										
STAGE I	1.0	6.0	500.0		2.0		1482.0	741.0	25.0	1141.5
STAGE II				425.0		2.0		681.0		
CULVERT 2										
STAGE I	1.0	6.0	425.0		2.0		913.0	705.0	25.0	899.4
STAGE II			25.0	425.0		2.0		702.0		
CULVERT 3										
STAGE I	1.0	6.0	325.0		2.0		100.0	544.0	25.0	445.3
STAGE II				312.5		2.0		517.0		
TOTAL	3.0	18.0	1275.0	1162.5	6.0	6.0	2495.0	3890.0	75.0	2486.0

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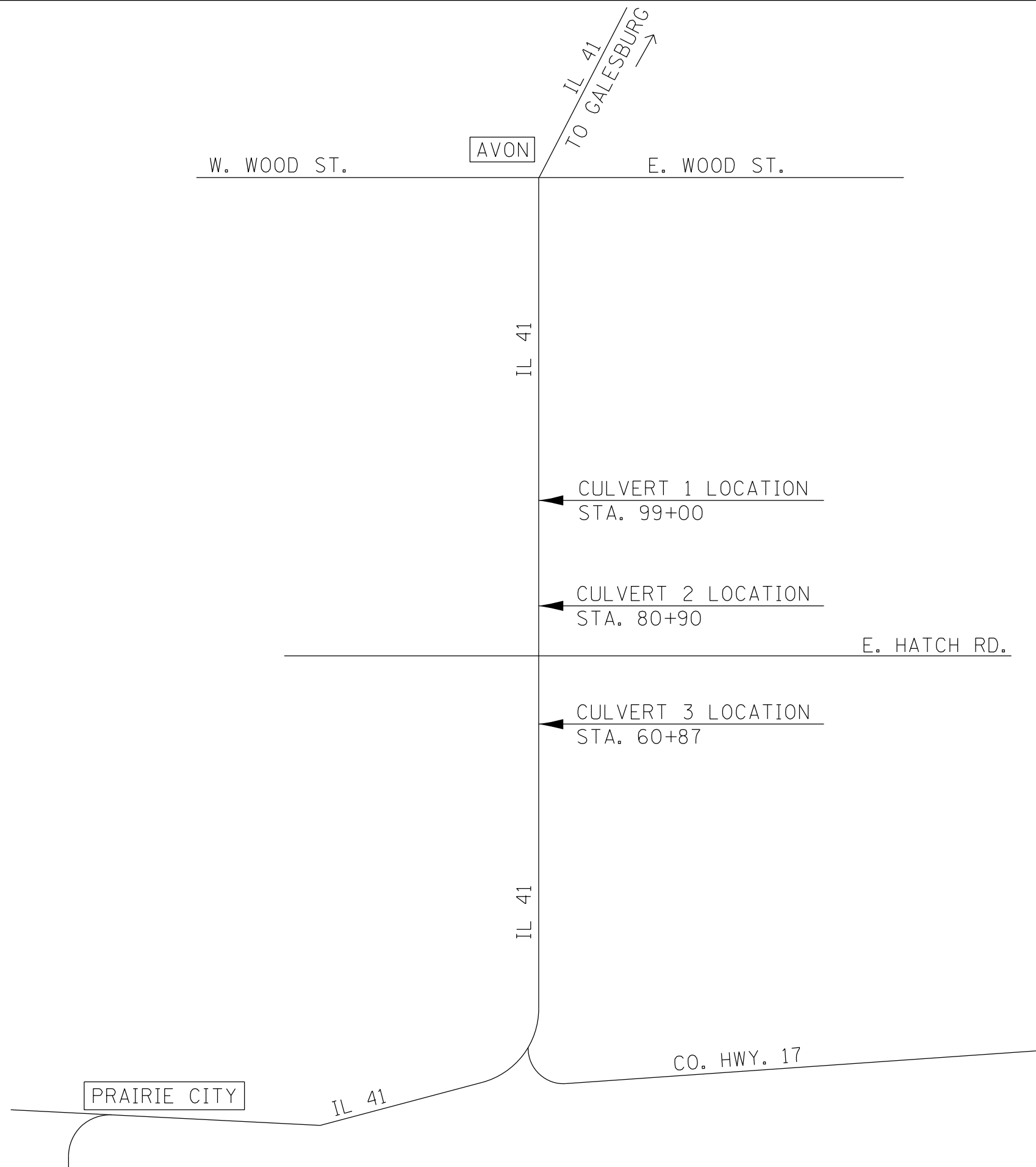
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	9
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				



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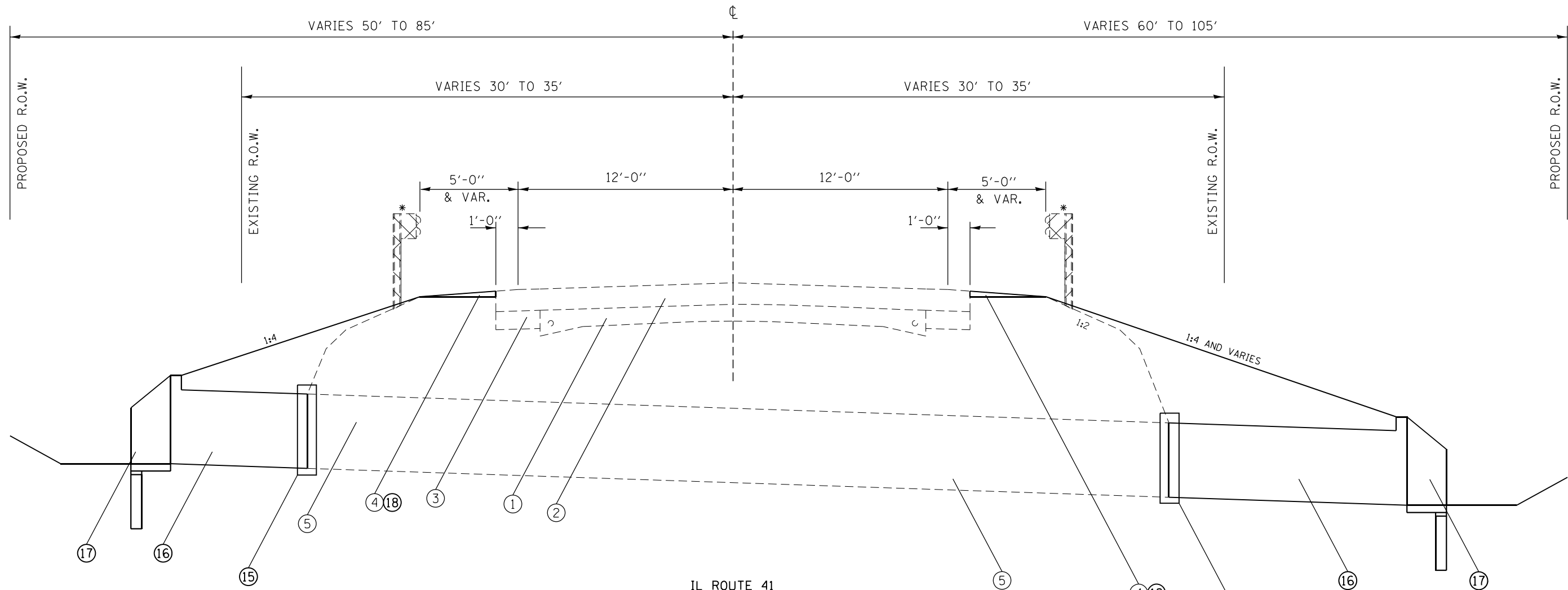
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LINE DIAGRAM

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	10
CONTRACT NO. 68E54			ILLINOIS FED. AID PROJECT	

EXISTING		PROPOSED	
①	9-6-9 PCC PAVEMENT	⑮	CONCRETE COLLAR
②	3.75" ± HMA OVERLAY'S	⑯	PRECAST CONCRETE BOX CULVERT
③	HMA BASE CSE. WIDENING	⑰	PRECAST BOX CULVERT END SECTION
④	AGGERGATE SHOULDER	⑱	AGGREGATE SHOULDER
⑤	EXISTING CULVERT		



IL ROUTE 41
 STA. 99+00 (NORTH CULVERT)
 STA. 80+90.46 (MIDDLE CULVERT)
 STA. 60+85.3 (SOUTH CULVERT)

* EXISTING GUARDRAIL
 (TO BE REMOVED)

CULVERT 1
 RT. STA. 98+00 TO STA. 100+00
 LT. STA. 98+00 TO STA. 100+05

CULVERT 2
 RT. STA. 80+57 TO STA. 81+59
 LT. STA. 80+00 TO STA. 81+51

CULVERT 3
 RT. STA. 60+32 TO STA. 61+32
 LT. STA. 60+38 TO STA. 61+39

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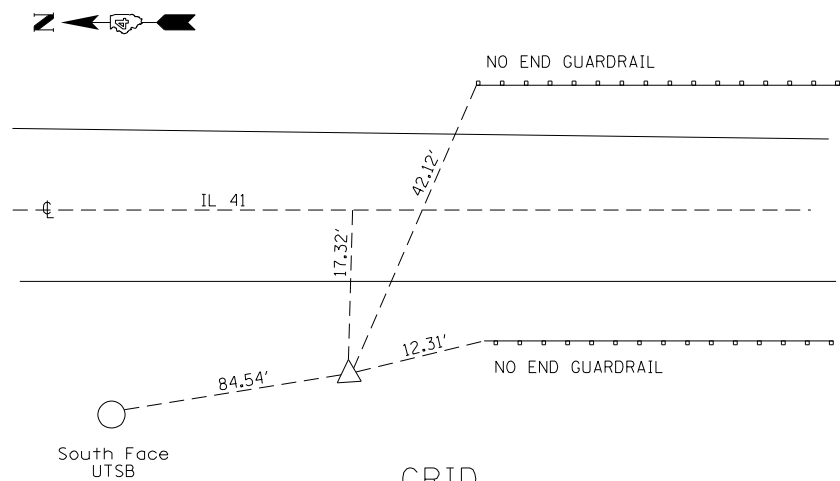
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING / PROPOSED TYPICAL SECTION			
SCALE:	SHEET 1	OF 1	SHEETS
	STA.		TO STA.

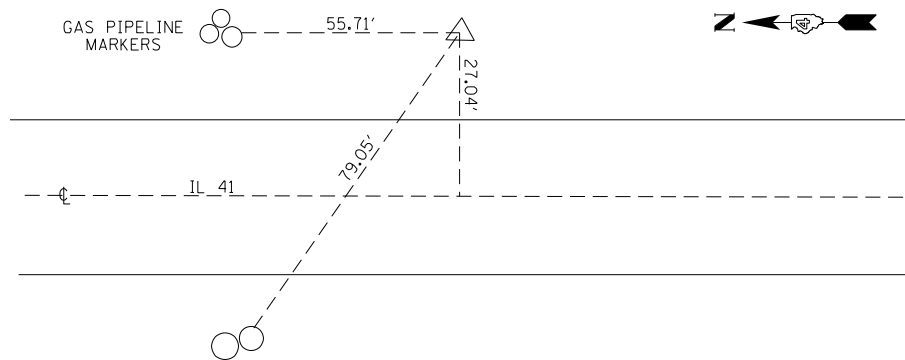
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574	(12)CLV,SLP	FULTON	55	11
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				

TIES TO #10 5/8" PIN WITH YELLOW CAP



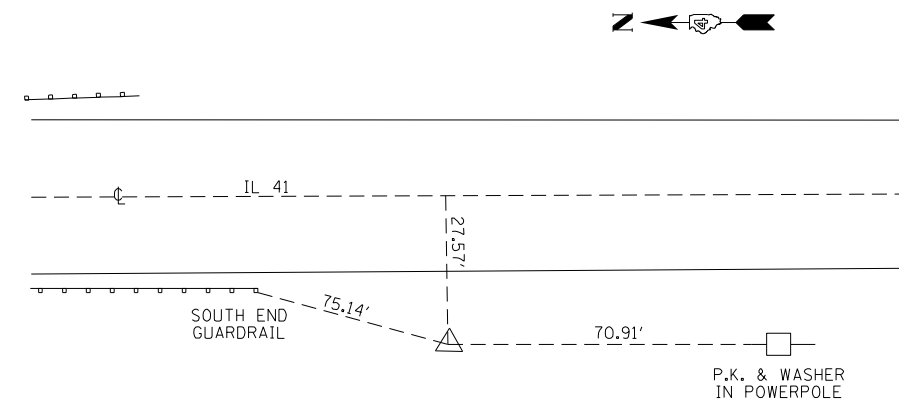
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TIES TO #11 5/8" PIN WITH YELLOW CAP



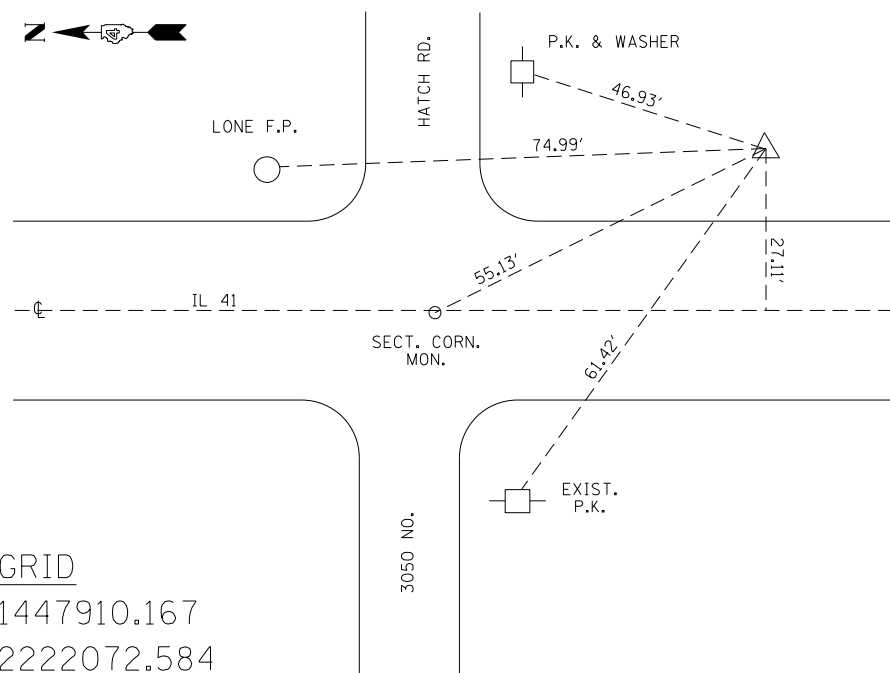
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2222088.501
ELEV. 642.691

TIES TO #12 5/8" PIN WITH YELLOW CAP



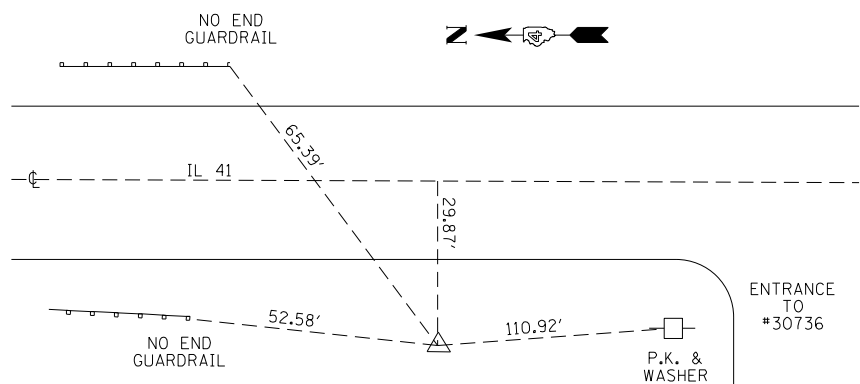
GRID
1448607.567
2222024.032
ELEV. 637.875

TIES TO #13 5/8" PIN WITH YELLOW CAP



GRID
1447910.167
2222072.584
ELEV. 642.714

TIES TO #14
EXIST. PROP. PIN (#4 & JONES INC. CAP)



GRID
1446670.022
2222004.456
ELEV. 636.787

WGS84
ILSPC83W ('11)
NAVD 88
GEOID 12A
COMB. FACTOR ÷ 0.999922

		GROUND	ADJ.
PT.	23	1448947.506	
		2222295.204	
		628.169	
	24	1449009.386	
		2222244.682	
		633.373	
BM	901	633.612	633.633
	902	633.574	633.520
	937	606.932	
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INFORMATION TAKEN FROM IDOT FIELD BOOK 3006

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHMARKS AND TIE POINTS

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	12
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				

01-01-30-300-001
 GARY AND VALERIE COOPER
 492 Pheasant Court
 Avon, IL 61415

Land Acquisition
 Approximately 0.33 Acres

PROPOSED ROW LIMITS
 STA. 98+50, 85.0' LT
 FURNISHING & ERECTING ROW MARKERS
 = 1.0 EACH

PROPOSED ROW LIMITS
 STA. 99+75, 85.0' LT
 FURNISHING & ERECTING ROW MARKERS
 = 1.0 EACH

MATCH EXISTING ROW LIMITS
 STA. 97+00, 30.0' LT
 FURNISHING & ERECTING ROW MARKERS
 = 1.0 EACH

MATCH EXISTING ROW LIMITS
 STA. 101+00, 35.0' LT
 FURNISHING & ERECTING ROW MARKERS
 = 1.0 EACH

EXISTING R.O.W.
 APPROX. 30' FROM CENTERLINE

EXISTING R.O.W.
 APPROX. 30' FROM CENTERLINE

MATCH EXISTING ROW LIMITS
 STA. 97+00, 30.0' RT
 FURNISHING & ERECTING ROW MARKERS
 = 1.0 EACH

MATCH EXISTING ROW LIMITS
 STA. 101+00, 30.0' RT
 FURNISHING & ERECTING ROW MARKERS
 = 1.0 EACH

01-01-30-400-001
 RICHARD H. McELVAINE FAMILY TRUST
 c/o Charles McElvaine
 825 E. Hatch Rd.
 Avon, IL 61415

Land Acquisition
 Approximately 0.25 Acres

PROPOSED ROW LIMITS
 STA. 98+75, 100.0' RT
 FURNISHING & ERECTING ROW MARKERS
 = 1.0 EACH

PROPOSED ROW LIMITS
 STA. 99+50, 100.0' RT
 FURNISHING & ERECTING ROW MARKERS
 = 1.0 EACH

01-01-30-200-002
 AVON CEMETARY ASSOCIATION
 c/o David White
 P.O. Box 415
 Avon, IL 61415

Land Acquisition
 Approximately 0.13 Acres

Approximate property line

STA. 96+00

STA. 101+00

96 97 98 99 100+00 IL 41 101



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 DATE: 1/30/2023

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROW
 CULVERT 1**

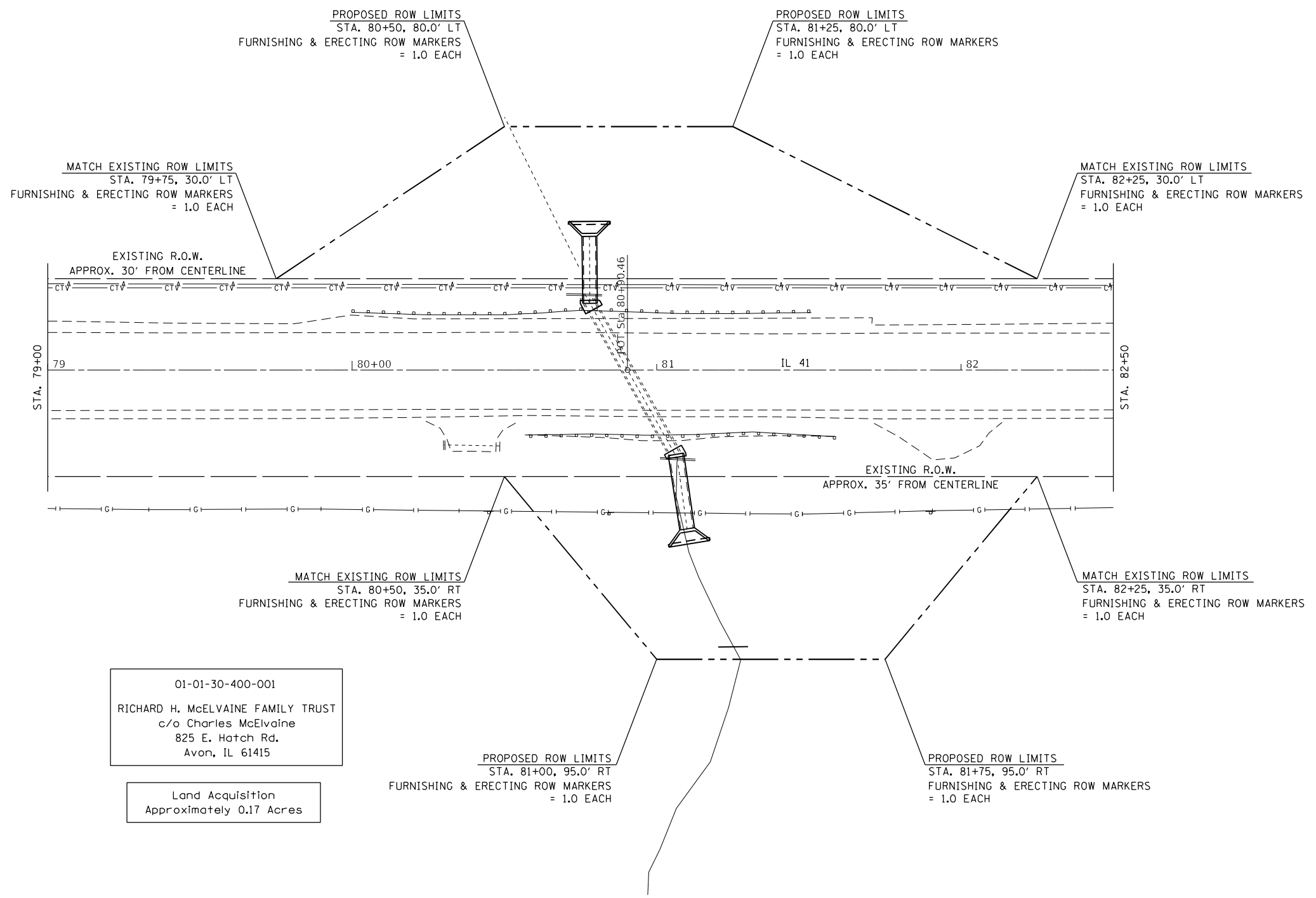
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	13
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				



01-01-30-300-001
 GARY AND VALERIE COOPER
 492 Pheasant Court
 Avon, IL 61415

Land Acquisition
 Approximately 0.19 Acres



01-01-30-400-001
 RICHARD H. McELVAINE FAMILY TRUST
 c/o Charles McElvaine
 825 E. Hatch Rd.
 Avon, IL 61415

Land Acquisition
 Approximately 0.17 Acres



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROW
 CULVERT 2**

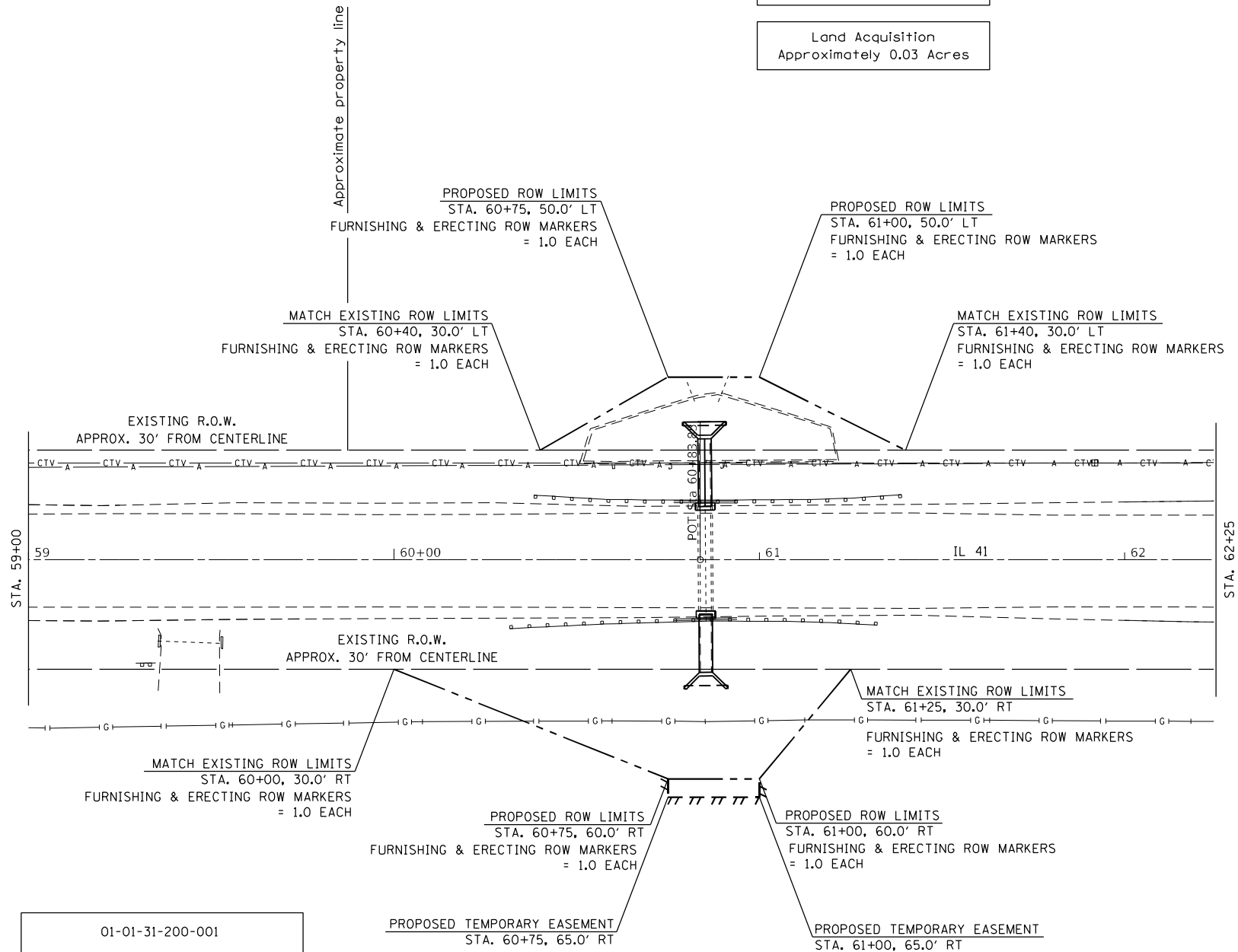
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	14
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				



01-01-31-100-003
 AARON BLOUT
 22320 E. 2200 St.
 Prairie City, IL 61470

Land Acquisition
 Approximately 0.03 Acres



01-01-31-200-001
 RICHARD H. McELVAINE FAMILY TRUST
 c/o Charles McElvaine
 825 E. Hatch Rd.
 Avon, IL 61415

Land Acquisition
 Approximately 0.05 Acres



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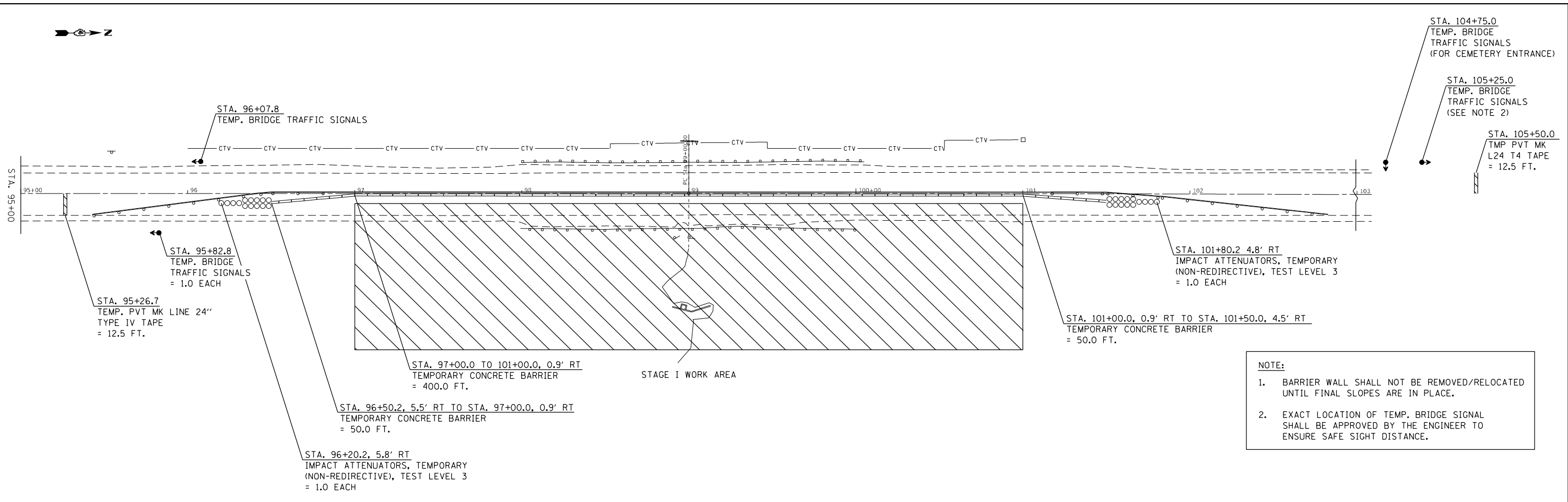
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROW
 CULVERT 3**

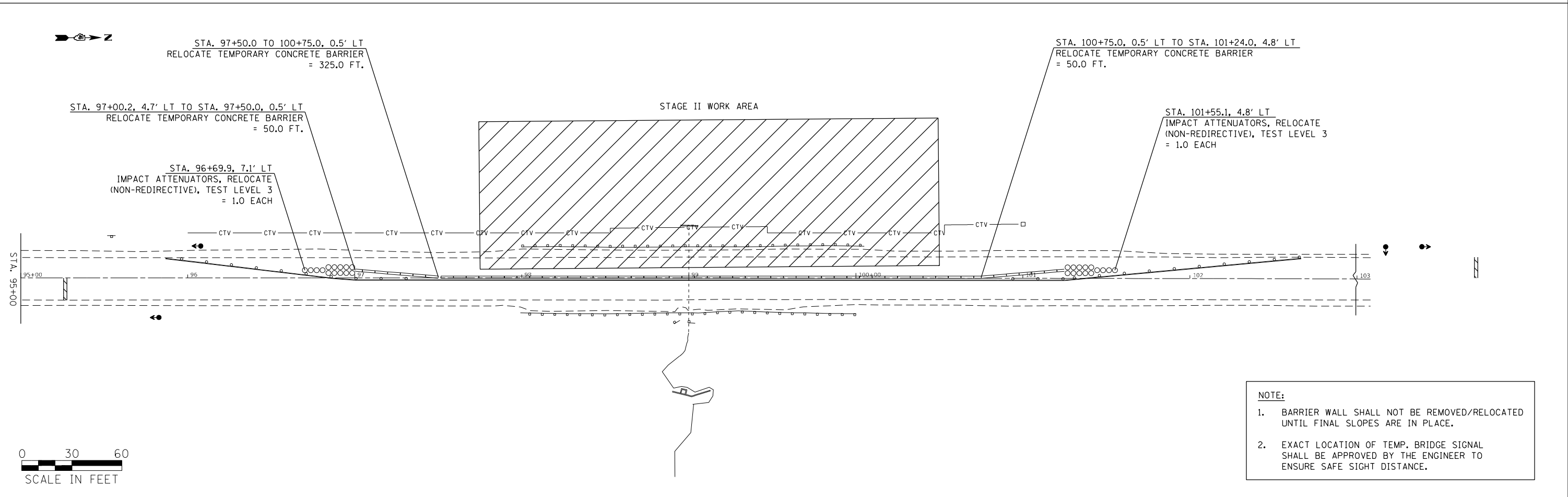
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	15
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				



NOTE:

1. BARRIER WALL SHALL NOT BE REMOVED/RELOCATED UNTIL FINAL SLOPES ARE IN PLACE.
2. EXACT LOCATION OF TEMP. BRIDGE SIGNAL SHALL BE APPROVED BY THE ENGINEER TO ENSURE SAFE SIGHT DISTANCE.



NOTE:

1. BARRIER WALL SHALL NOT BE REMOVED/RELOCATED UNTIL FINAL SLOPES ARE IN PLACE.
2. EXACT LOCATION OF TEMP. BRIDGE SIGNAL SHALL BE APPROVED BY THE ENGINEER TO ENSURE SAFE SIGHT DISTANCE.



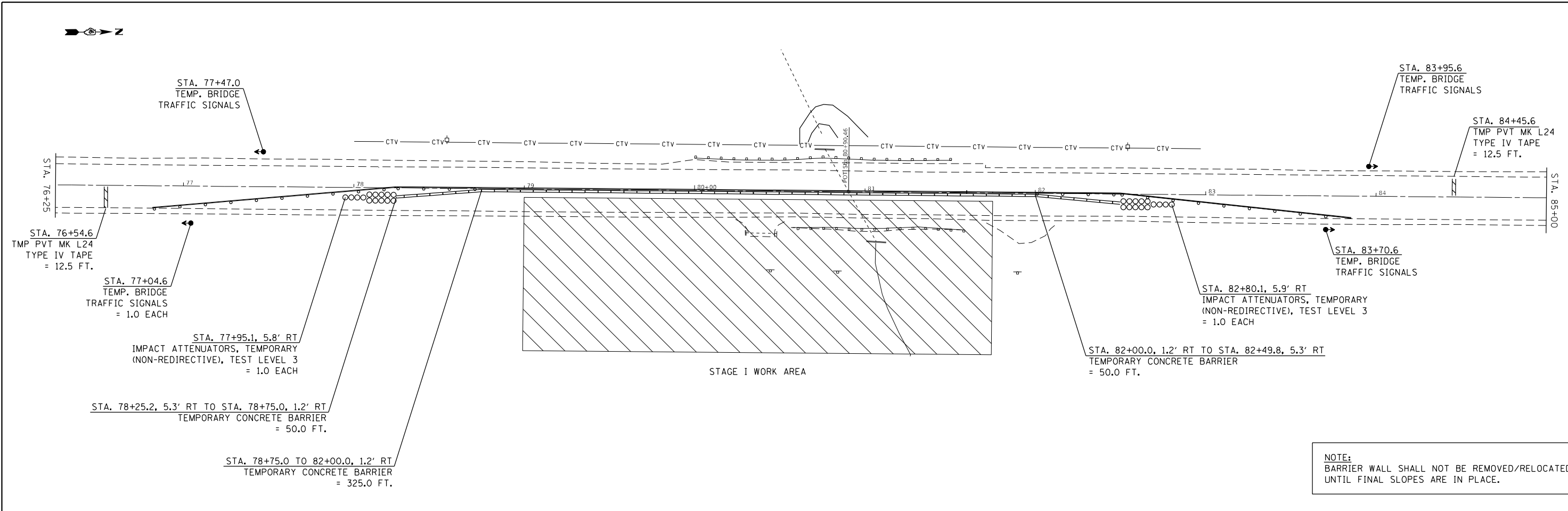
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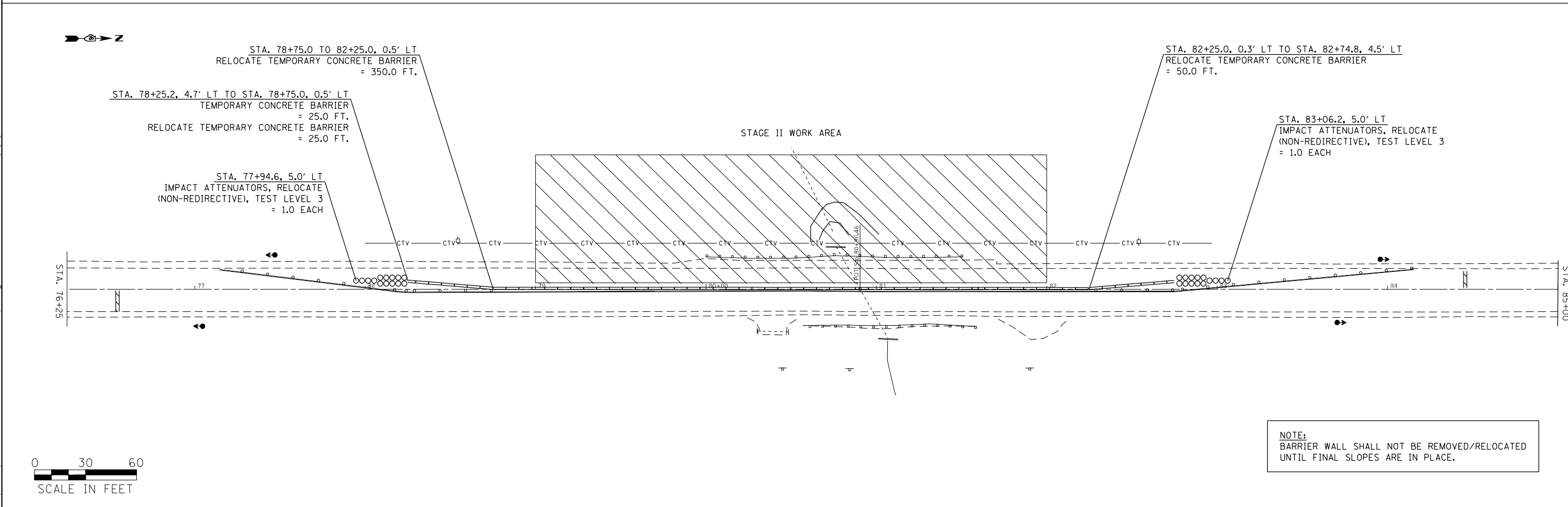
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL			
CULVERT 1			
SCALE:	SHEET 1	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	16
CONTRACT NO. 68E54			ILLINOIS FED. AID PROJECT	



NOTE:
BARRIER WALL SHALL NOT BE REMOVED/RELOCATED UNTIL FINAL SLOPES ARE IN PLACE.



NOTE:
BARRIER WALL SHALL NOT BE REMOVED/RELOCATED UNTIL FINAL SLOPES ARE IN PLACE.



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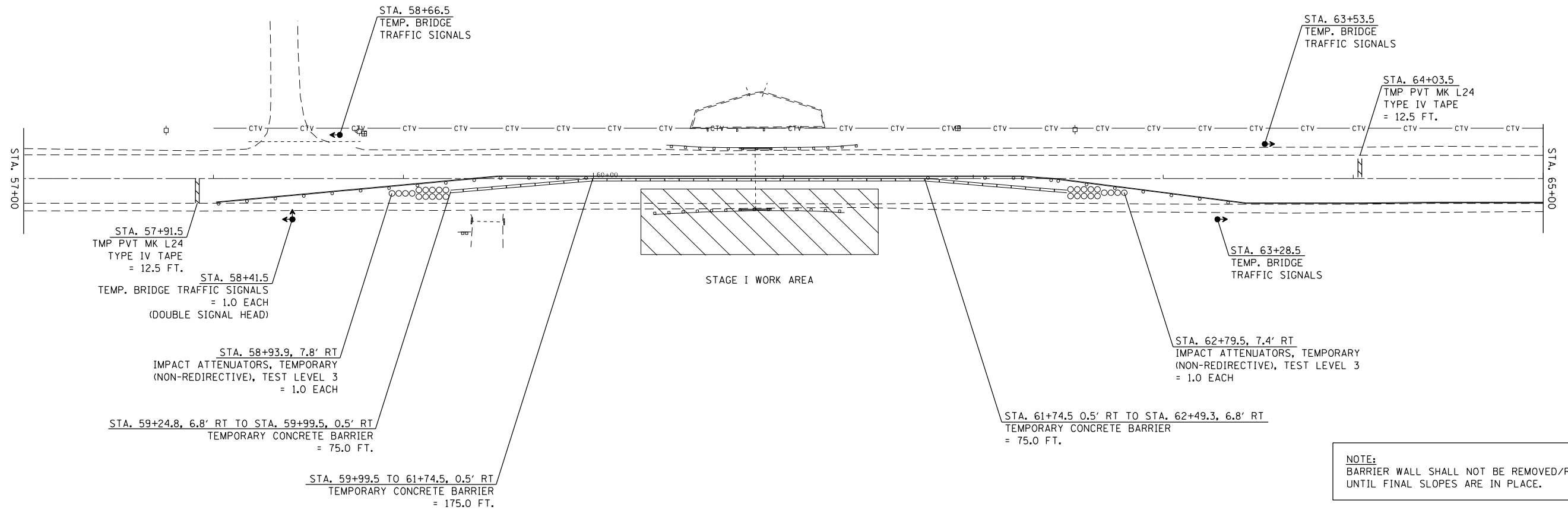
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	DRAWN -	REVISED -
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PLOT DATE = 1/30/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

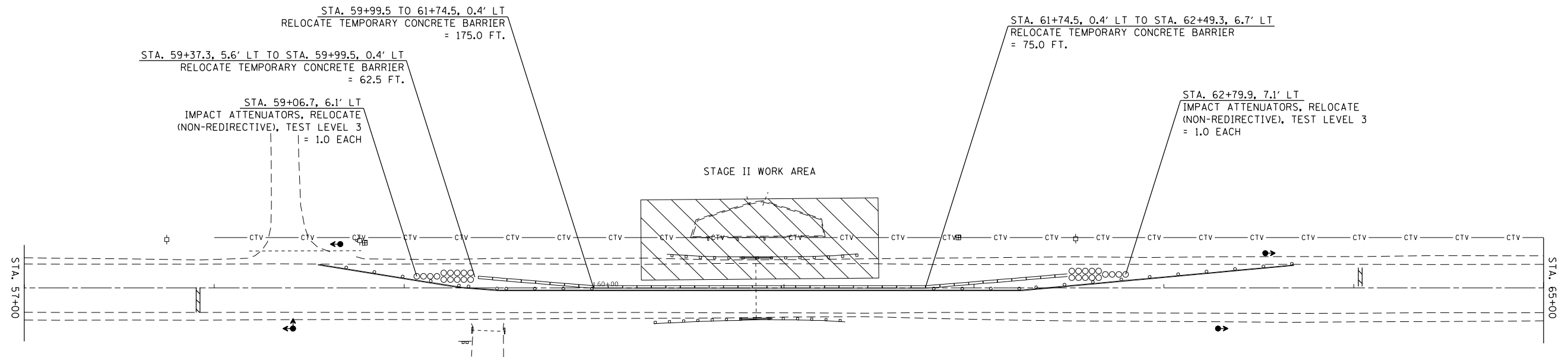
**TRAFFIC CONTROL
CULVERT 2**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

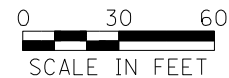
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	17
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				



NOTE:
BARRIER WALL SHALL NOT BE REMOVED/RELOCATED UNTIL FINAL SLOPES ARE IN PLACE.



NOTE:
BARRIER WALL SHALL NOT BE REMOVED/RELOCATED UNTIL FINAL SLOPES ARE IN PLACE.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL
CULVERT 3**

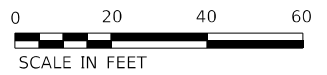
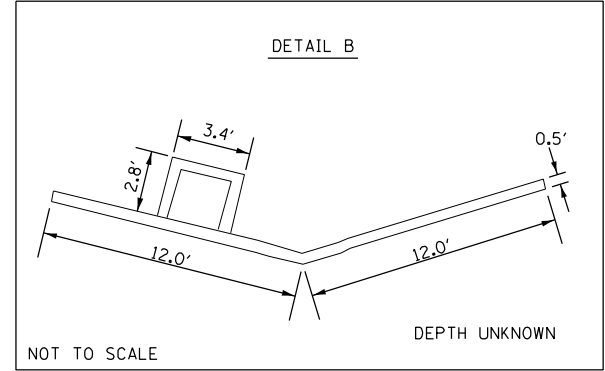
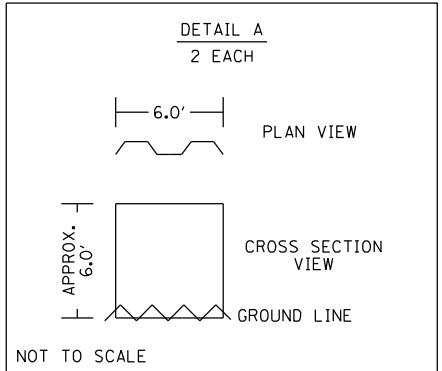
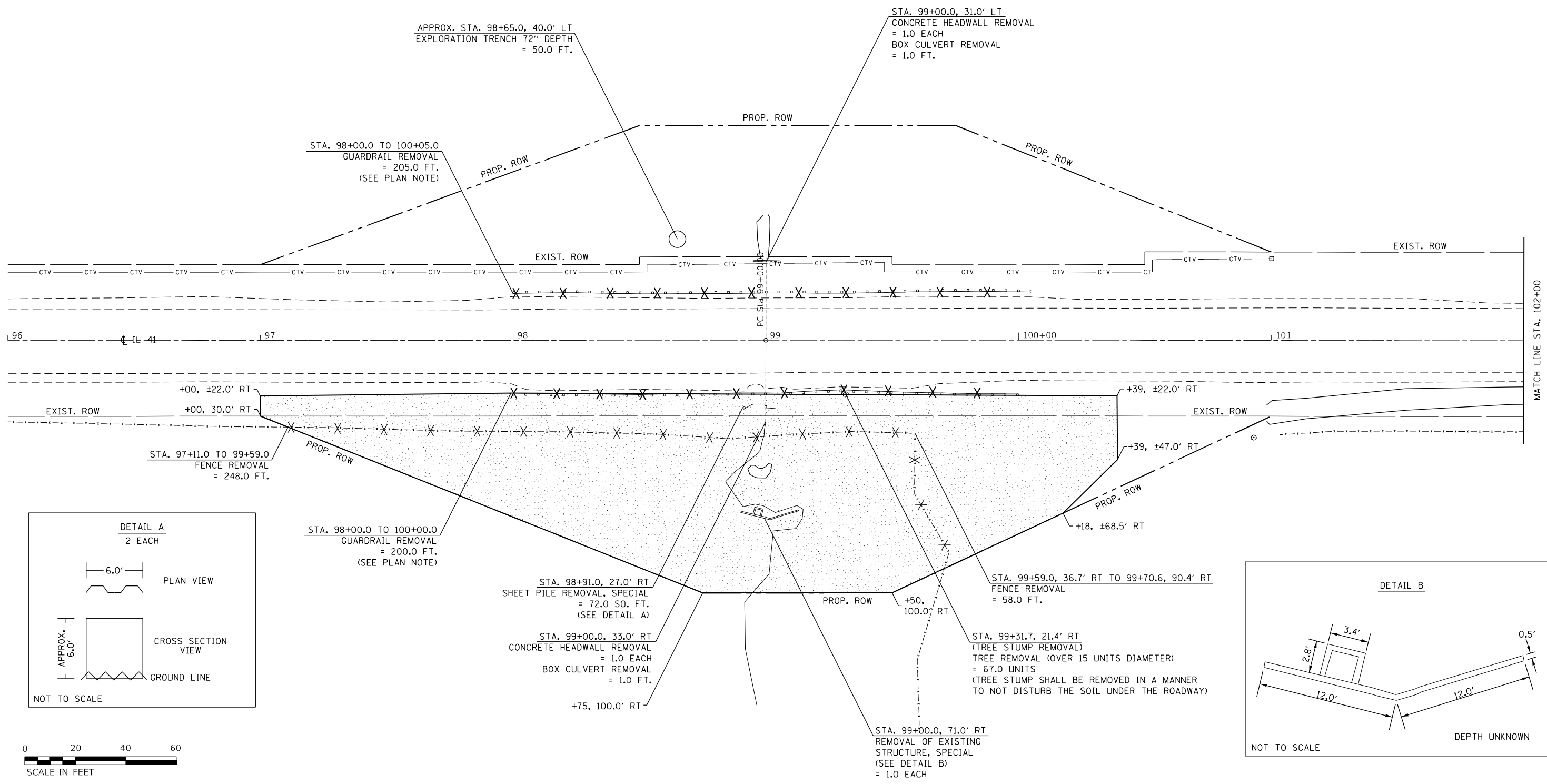
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	18
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				



TREE REMOVAL, ACRES
= 0.43 ACRES

NOTE:
GUARDRAIL REMOVAL SHALL ONLY BE PERFORMED
IN THE STAGED WORK AREA AFTER BARRIER WALL
HAS BEEN SETUP.



USER NAME = \$USERS	DESIGNED -	REVISED -
PLOT SCALE = 1:40	DRAWN -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

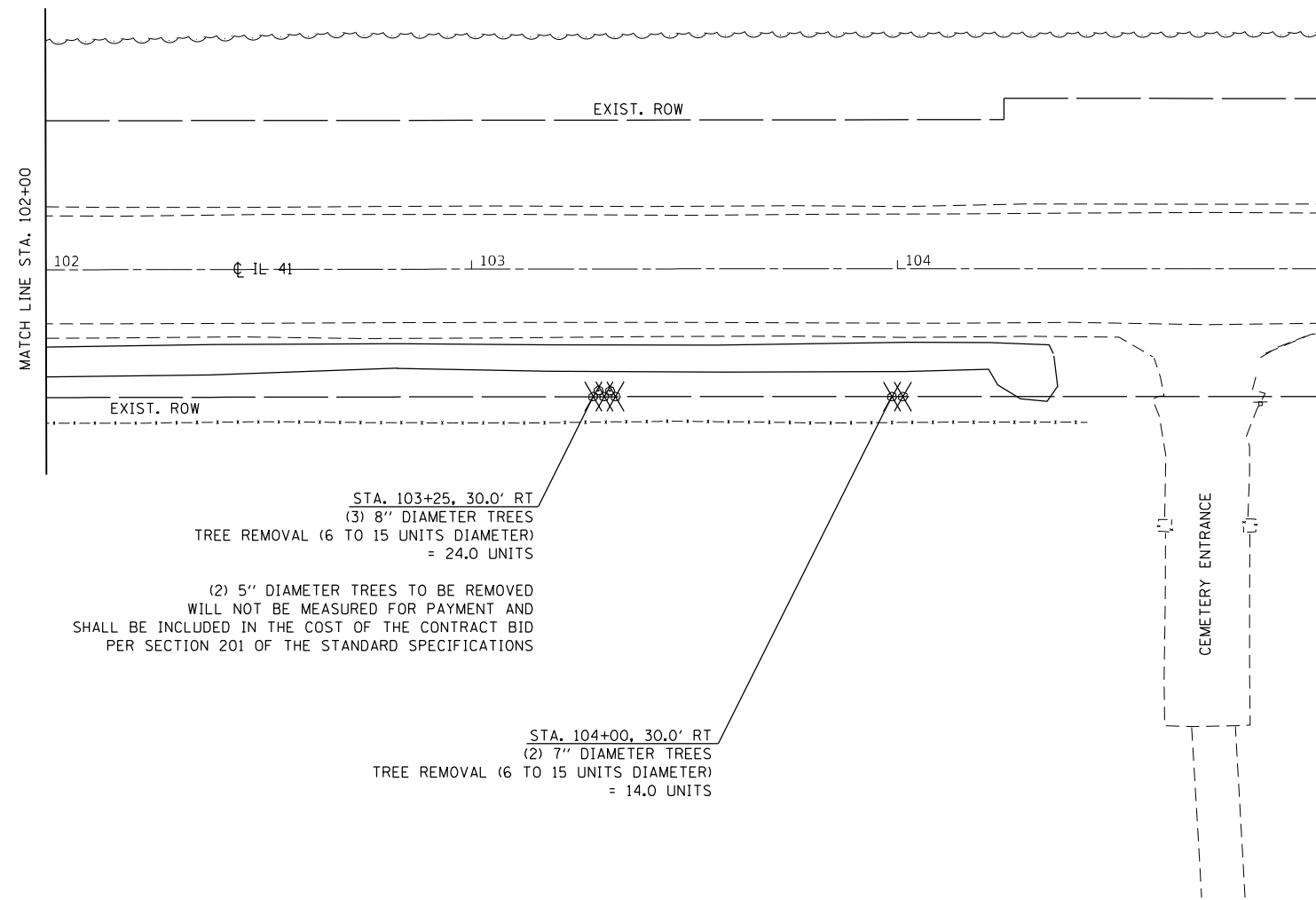
**REMOVAL PLAN
CULVERT 1**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	19
CONTRACT NO. 68E54				

ILLINOIS FED. AID PROJECT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

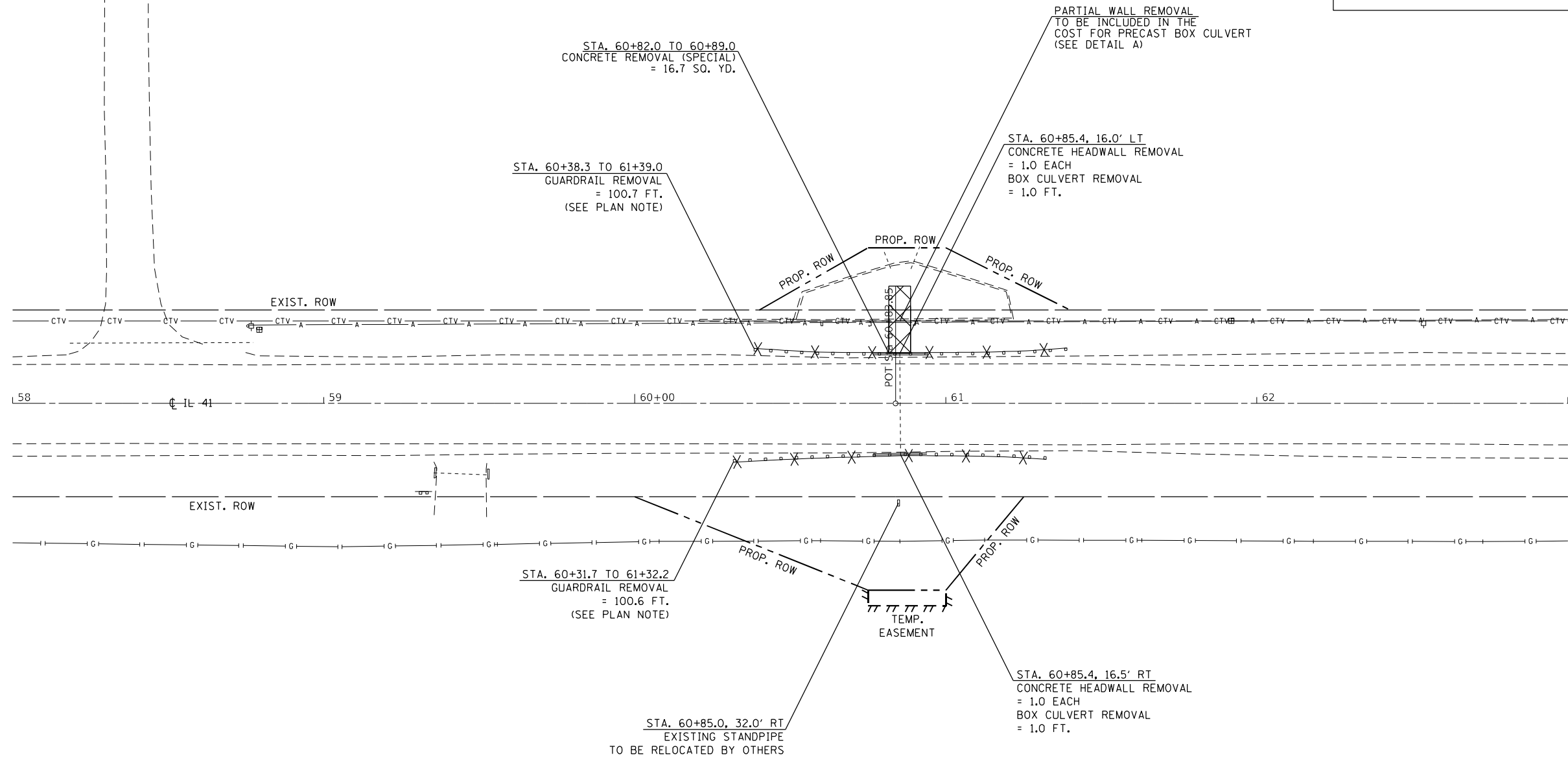
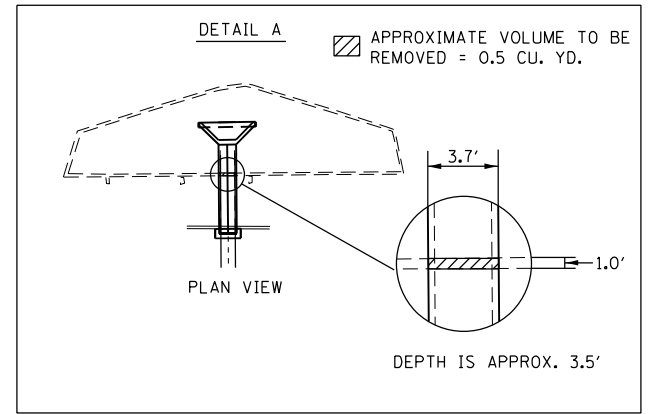
**REMOVAL PLAN
CULVERT 1**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	20
CONTRACT NO. 68E54			ILLINOIS FED. AID PROJECT	



NOTE:
GUARDRAIL REMOVAL SHALL ONLY BE PERFORMED
IN THE STAGED WORK AREA AFTER BARRIER WALL
HAS BEEN SETUP.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

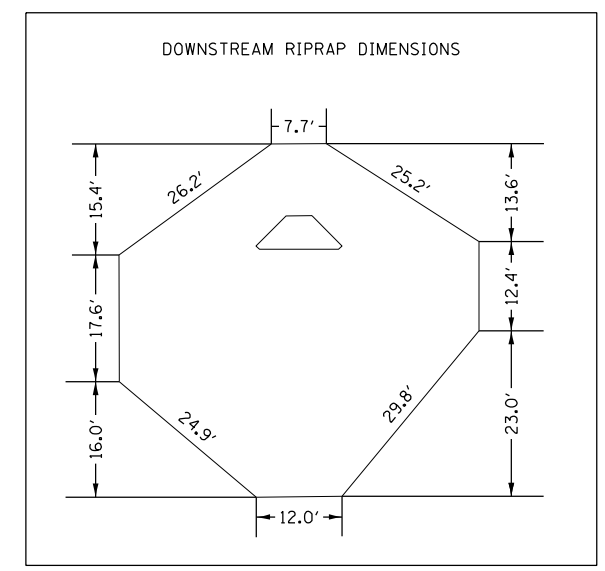
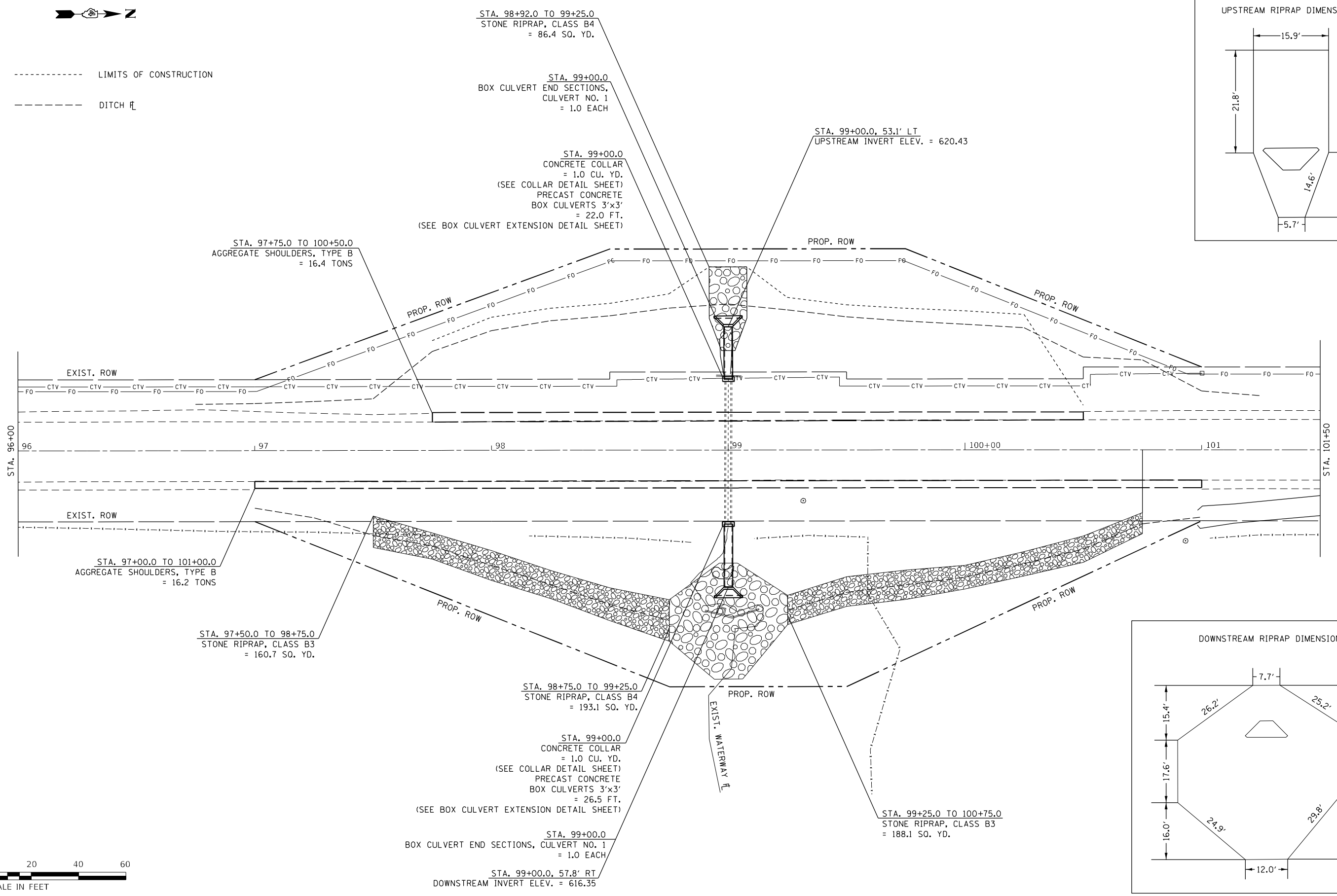
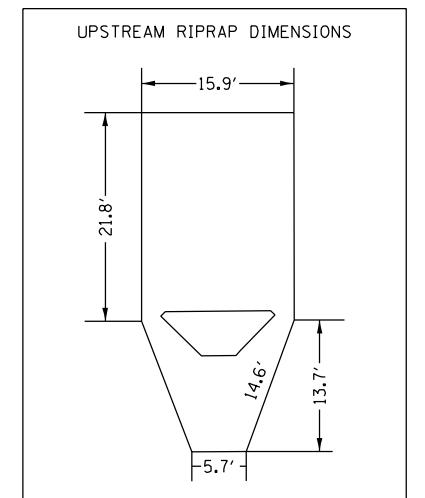
**REMOVAL PLAN
CULVERT 3**

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	22
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				



----- LIMITS OF CONSTRUCTION
 - - - - - DITCH



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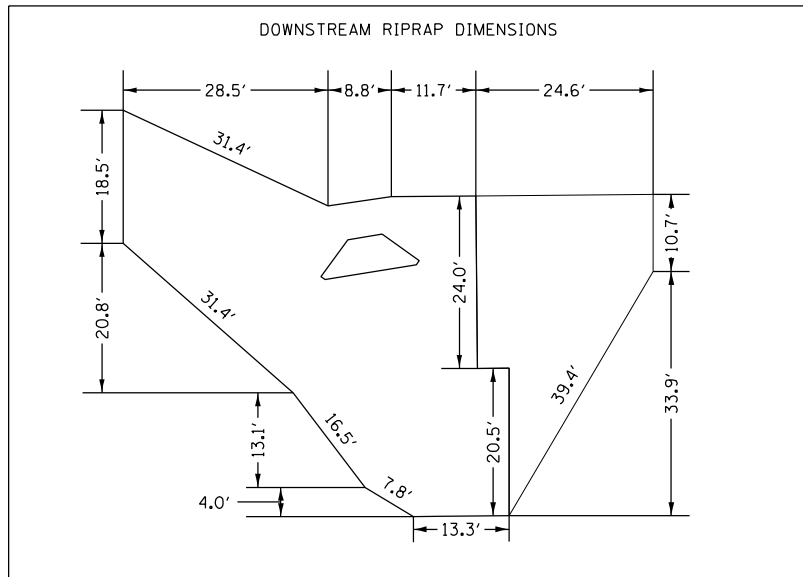
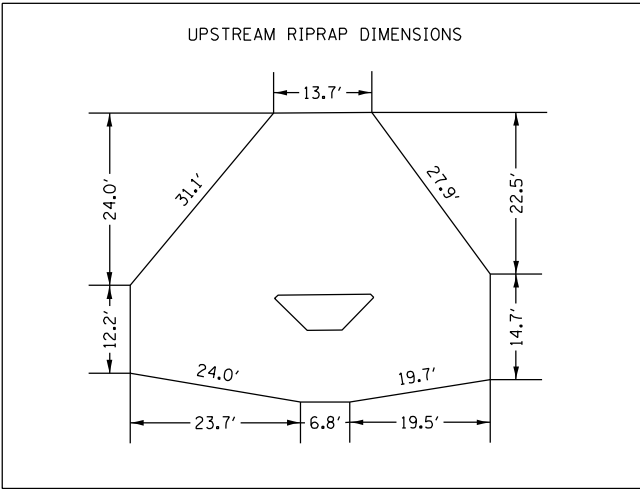
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PLOT DATE = 1/30/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLAN
 CULVERT 1**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 574	SECTION (12)CLV,SLP	COUNTY FULTON	TOTAL SHEETS 55	SHEET NO. 23
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				



STA. 80+78.1
BOX CULVERT END SECTIONS,
CULVERT NO. 2
= 1.0 EACH

STA. 80+78.1
CONCRETE COLLAR
= 1.6 CU. YD.
(SEE COLLAR DETAIL SHEET)
PRECAST CONCRETE
BOX CULVERTS 4'x3'
= 22.0 FT.
(SEE BOX CULVERT EXTENSION DETAIL SHEET)

STA. 80+78.1, 43.9' LT
UPSTREAM INVERT ELEV. = 623.54

STA. 80+78.1, 21.9' LT TO STA. 81+06, 27.7' RT
CLASS SI CONCRETE (MISCELLANEOUS)
(SEE DETAIL A)
= 3.2 CU. YD.

STA. 81+00.0 TO 81+50.0
STONE RIPRAP, CLASS B3
= 58.6 SQ. YD.

STA. 80+50.0 TO 81+00.0
STONE RIPRAP, CLASS B4
= 149.3 SQ. YD.

STA. 80+00.0 TO 80+50.0
STONE RIPRAP, CLASS B3
= 26.8 SQ. YD.

STA. 79+00.0 TO 82+00.0
AGGREGATE SHOULDERS, TYPE B
= 14.4 TONS

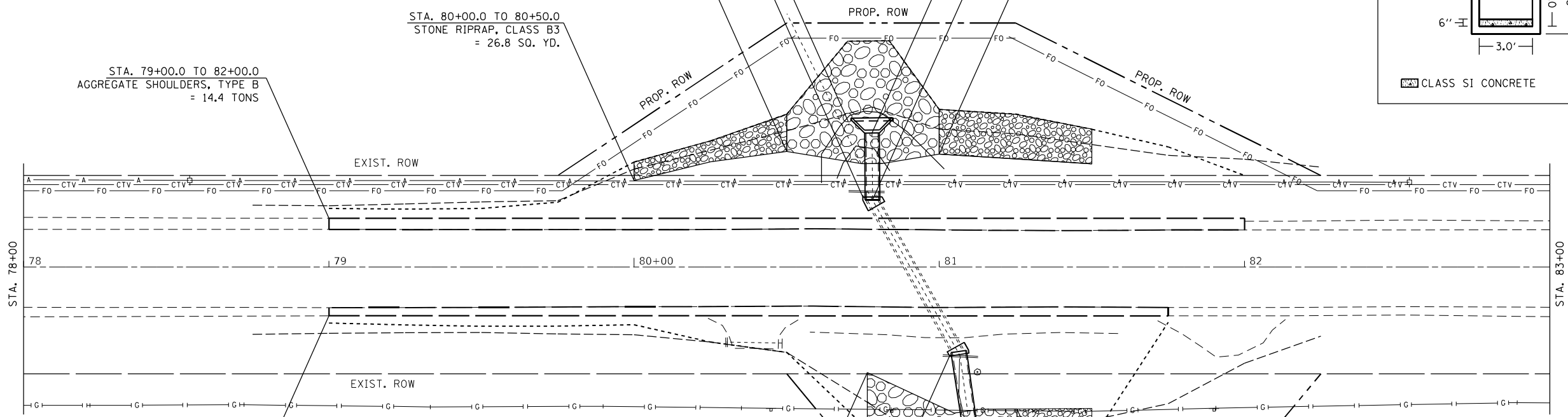
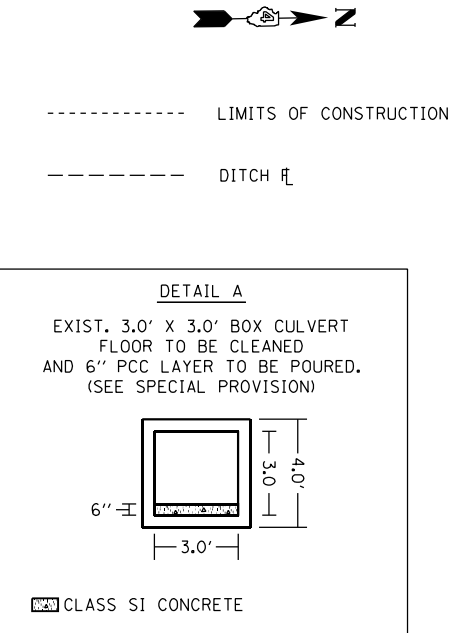
STA. 79+00.0 TO 81+75.0
AGGREGATE SHOULDERS, TYPE B
= 8.4 TONS

STA. 80+78.1 TO 81+30.0
STONE RIPRAP, CLASS B4
= 181.9 SQ. YD.

STA. 81+06.8
CONCRETE COLLAR
= 1.6 CU. YD.
(SEE COLLAR DETAIL SHEET)
PRECAST CONCRETE
BOX CULVERTS 4'x3'
= 25.0' FT.
(SEE BOX CULVERT EXTENSION DETAIL SHEET)

STA. 81+10.0
BOX CULVERT END SECTIONS, CULVERT NO. 2
= 1.0 EACH

STA. 81+10.0, 52.2' RT
DOWNSTREAM INVERT ELEV. = 619.29



MODEL: Default
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PLOT DATE = 1/30/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED PLAN CULVERT 2			
SCALE:	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	24
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				



----- LIMITS OF CONSTRUCTION

----- DITCH

STA. 60+85.4
BOX CULVERT END SECTIONS,
CULVERT NO. 3
= 1.0 EACH

STA. 60+85.4
CONCRETE COLLAR
= 0.9 CU. YD.
(SEE COLLAR DETAIL SHEET)
PRECAST CONCRETE
BOX CULVERTS 3'x3'
= 18.5 FT.
(SEE BOX CULVERT EXTENSION
DETAIL SHEET)

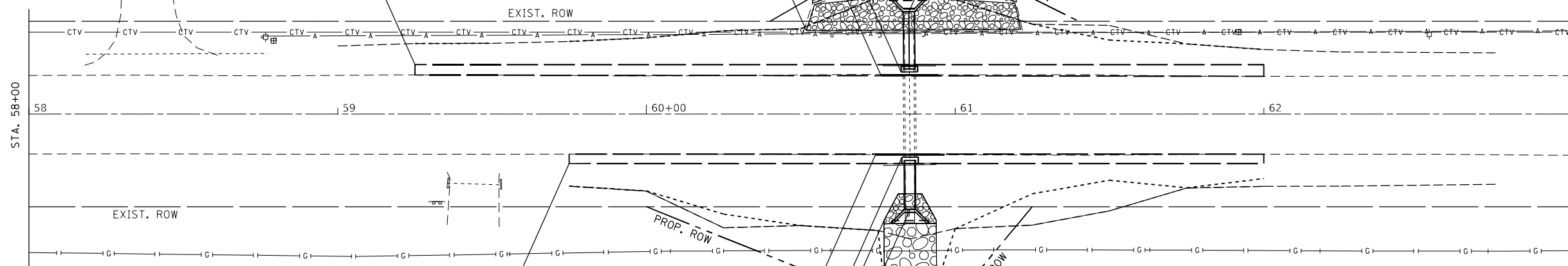
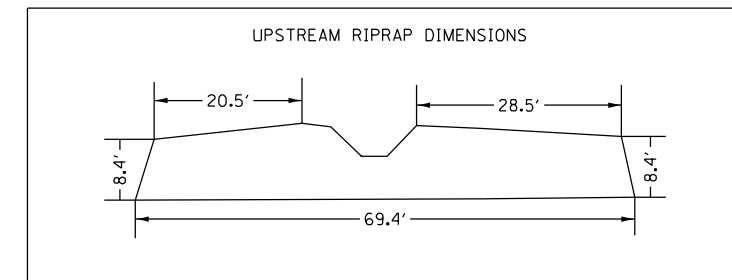
STA. 60+76.0 TO 60+94.8
TEMPORARY SOIL RETENTION SYSTEM
= 88.5 SQ. FT.

STA. 60+53.8 TO 61+19.8
STONE RIPRAP, CLASS B3
= 13.6 TONS

STA. 60+51.9 TO 61+21.2
STONE RIPRAP, CLASS B3
= 46.3 TONS

STA. 59+25.0 TO 62+00.0
AGGREGATE SHOULDERS, TYPE B
= 13.1 TONS

STA. 60+85.4, 34.1' LT
UPSTREAM INVERT ELEV. = 630.04



STA. 59+75.0 TO 62+00.0
AGGREGATE SHOULDERS, TYPE B
= 5.1 TONS

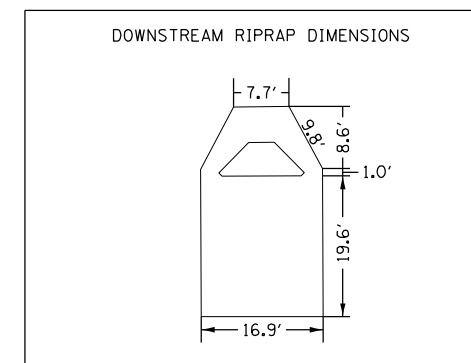
STA. 60+74.3 TO 60+96.5
TEMPORARY SOIL RETENTION SYSTEM
= 123.4 SQ. FT.

STA. 60+85.4
CONCRETE COLLAR
= 0.9 CU. YD.
(SEE COLLAR DETAIL SHEET)
PRECAST CONCRETE
BOX CULVERTS 3'x3'
= 16.0 FT.
(SEE BOX CULVERT EXTENSION DETAIL SHEET)

STA. 60+77.0 TO 60+94.0
STONE RIPRAP, CLASS B3
= 6.2 TONS
STONE RIPRAP, CLASS B4
= 36.8 SQ. YD.

STA. 60+85.4
CULVERT END SECTIONS, CULVERT NO. 3
= 1.0 EACH

STA. 60+85.4, 31.8' RT
DOWNSTREAM INVERT ELEV. = 629.18



MODEL: Default
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PLOT SCALE = 1:40	DRAWN -	REVISED -
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

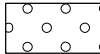


**PROPOSED PLAN
CULVERT 3**

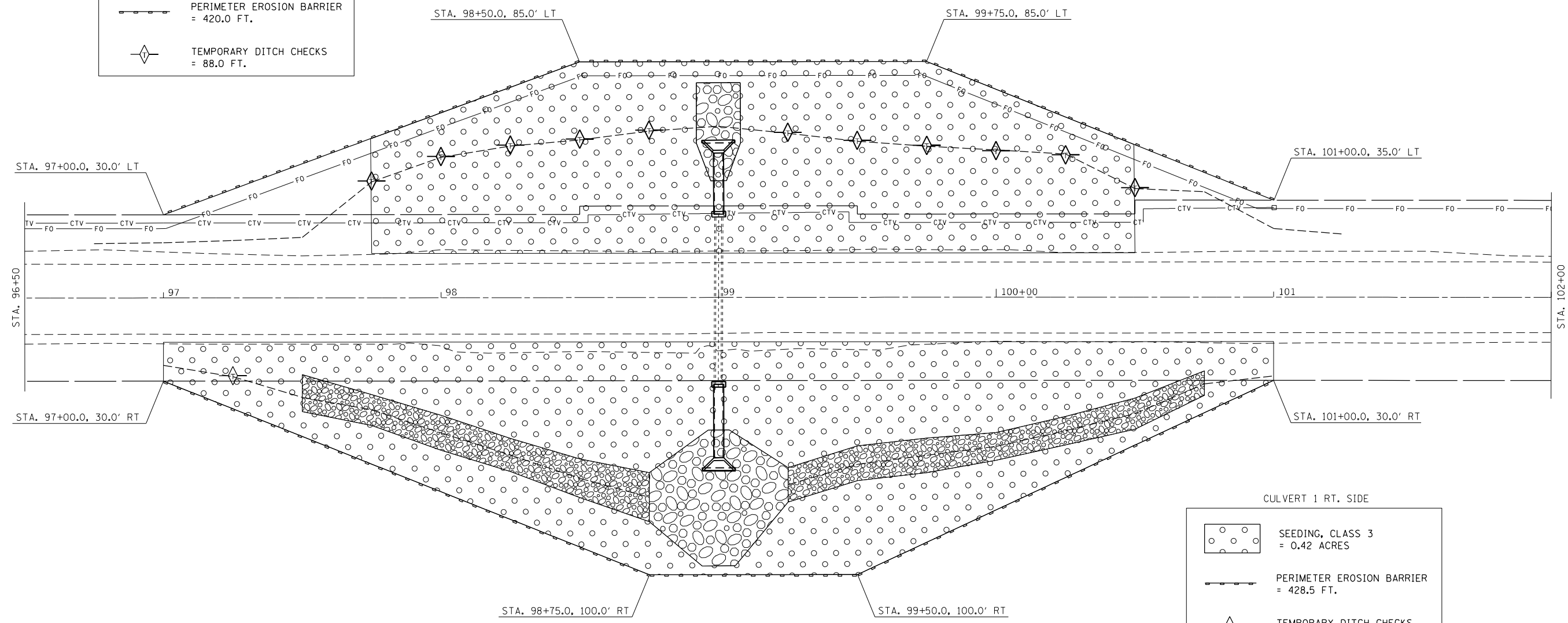
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	25
CONTRACT NO. 68E54			ILLINOIS FED. AID PROJECT	






CULVERT 1 LT. SIDE

-  SEEDING, CLASS 3
= 0.38 ACRES
-  PERIMETER EROSION BARRIER
= 420.0 FT.
-  TEMPORARY DITCH CHECKS
= 88.0 FT.



CULVERT 1 RT. SIDE

-  SEEDING, CLASS 3
= 0.42 ACRES
-  PERIMETER EROSION BARRIER
= 428.5 FT.
-  TEMPORARY DITCH CHECKS
= 8.0 FT.



MODEL: Default
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

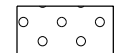


**EROSION CONTROL PLAN
CULVERT 1**

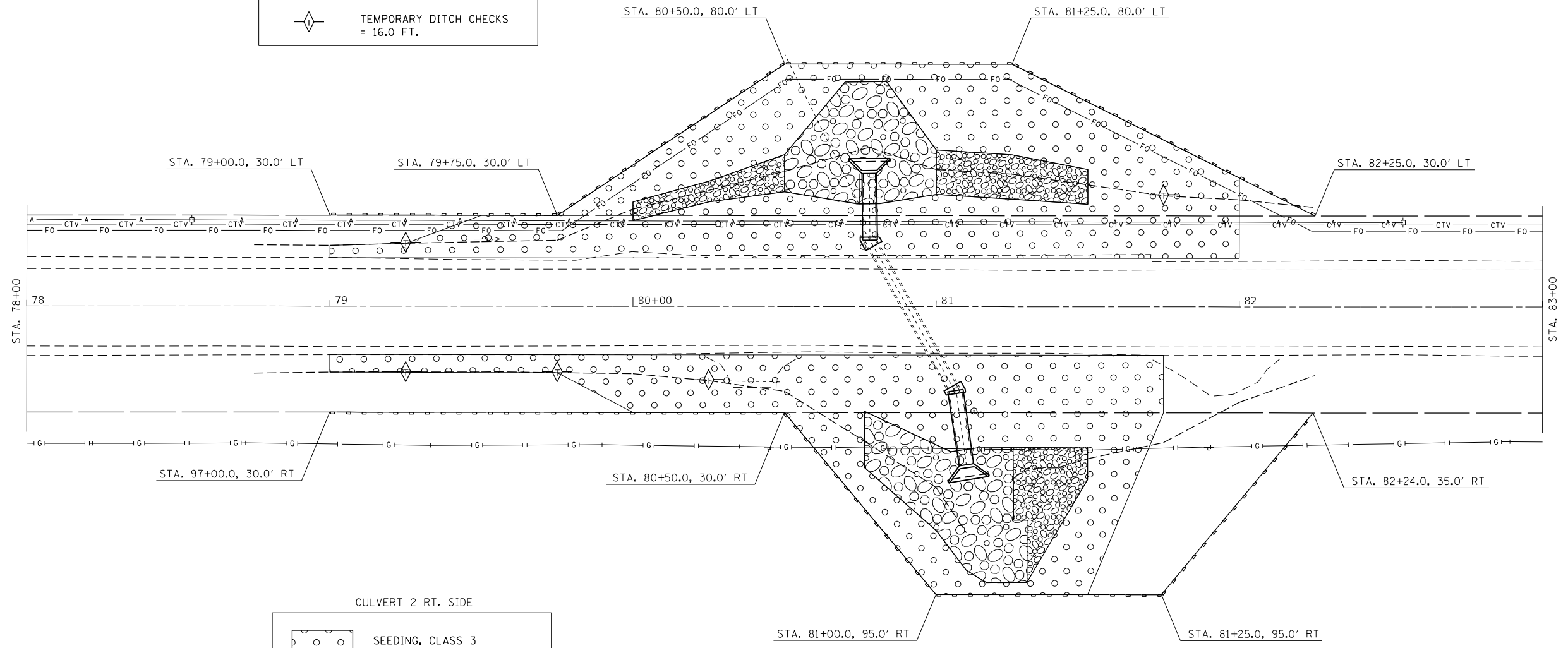
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	26
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				

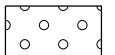




CULVERT 2 LT. SIDE

-  SEEDING, CLASS 3
= 0.22 ACRES
-  PERIMETER EROSION BARRIER
= 352.0 FT.
-  TEMPORARY DITCH CHECKS
= 16.0 FT.



CULVERT 2 RT. SIDE

-  SEEDING, CLASS 3
= 0.16 ACRES
-  PERIMETER EROSION BARRIER
= 380.0 FT.
-  TEMPORARY DITCH CHECKS
= 24.0 FT.



MODEL: Default
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

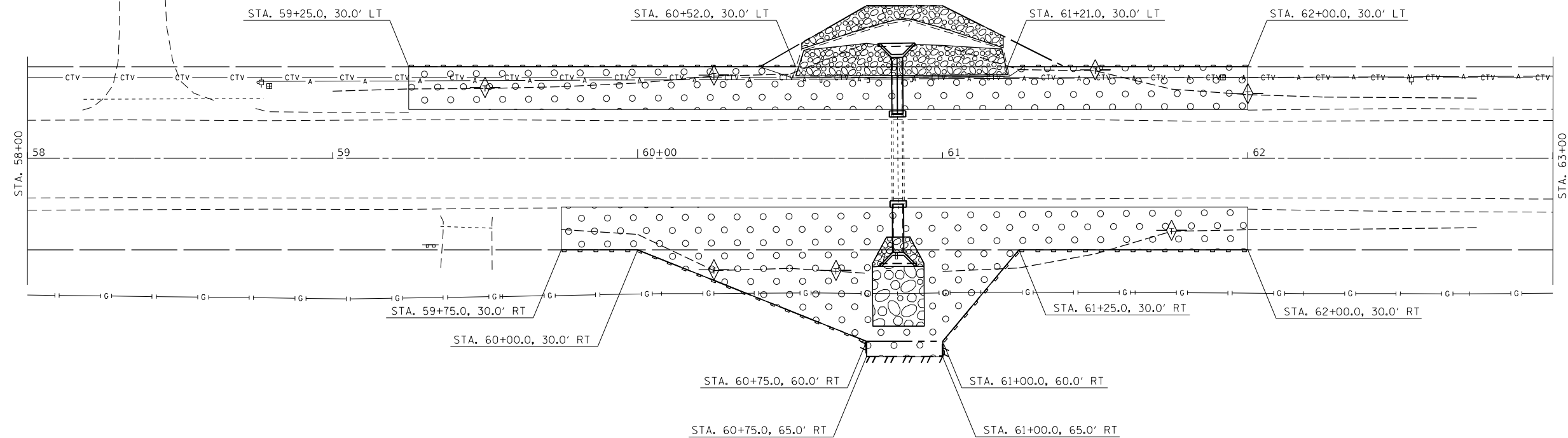
EROSION CONTROL PLAN CULVERT 2			
SCALE:	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	27
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				



CULVERT 3 LT. SIDE

	SEEDING, CLASS 3 = 0.10 ACRES
	PERIMETER EROSION BARRIER = 206.0 FT.
	TEMPORARY DITCH CHECKS = 32.0 FT.



CULVERT 3 RT. SIDE

	SEEDING, CLASS 3 = 0.13 ACRES
	PERIMETER EROSION BARRIER = 230.0 FT.
	TEMPORARY DITCH CHECKS = 24.0 FT.



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PLOT DATE = 1/30/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
CULVERT 3**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	28
CONTRACT NO. 68E54			ILLINOIS FED. AID PROJECT	

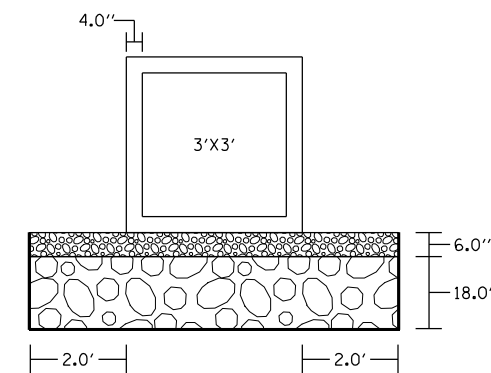
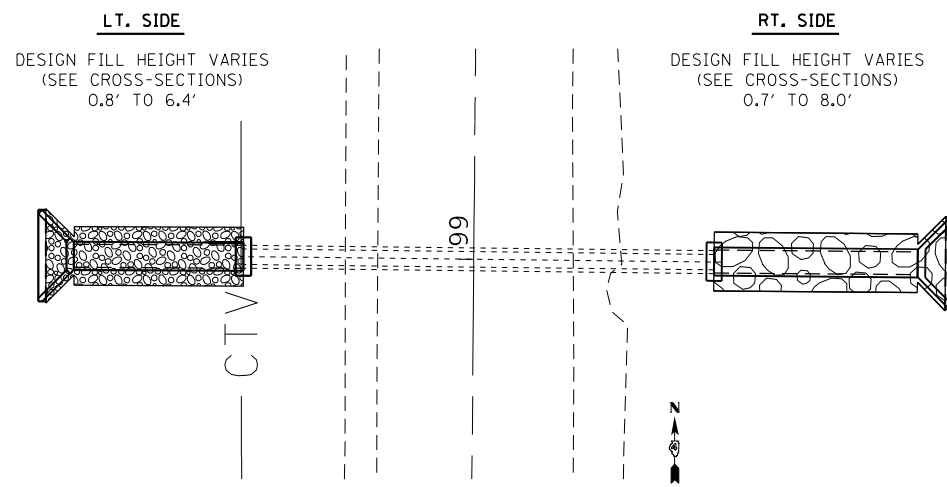
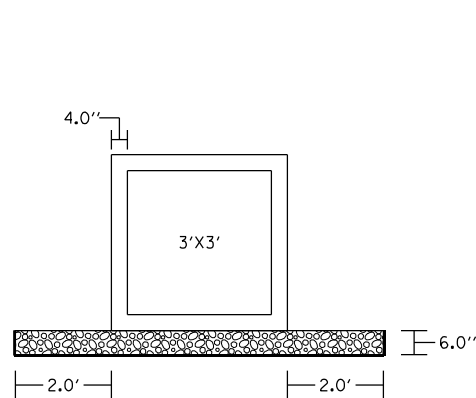
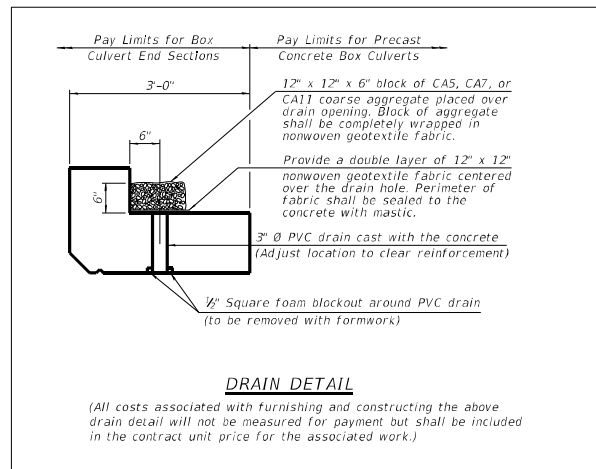
LEGEND	
	POROUS GRANULAR EMBANKMENT (CA7 OR CA11 CRUSHED)
	ROCK FILL (SEE SPECIAL PROVISION)
	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

GENERAL NOTES

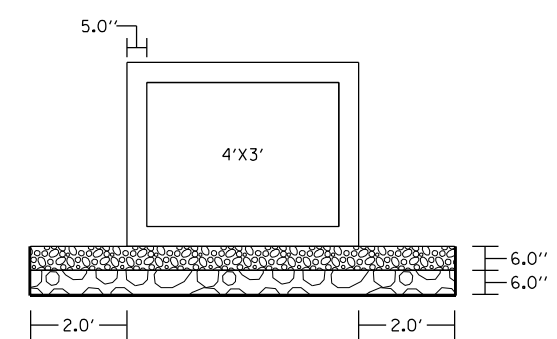
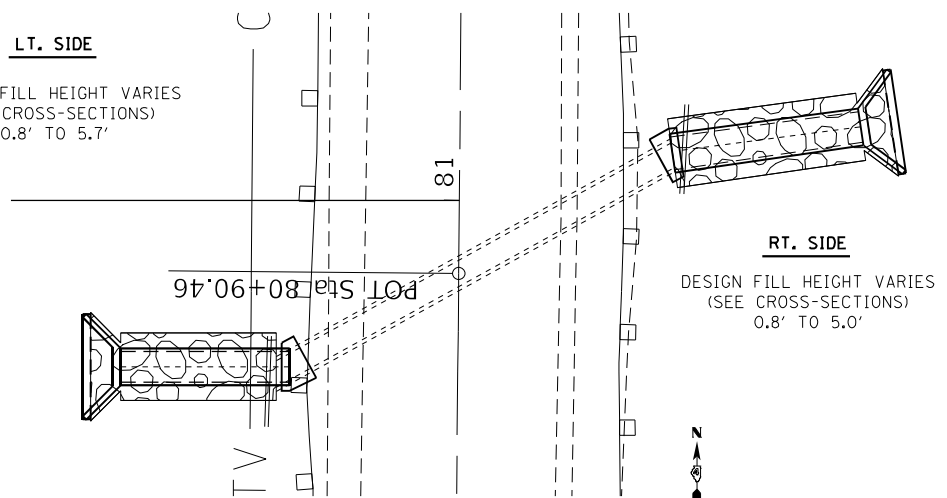
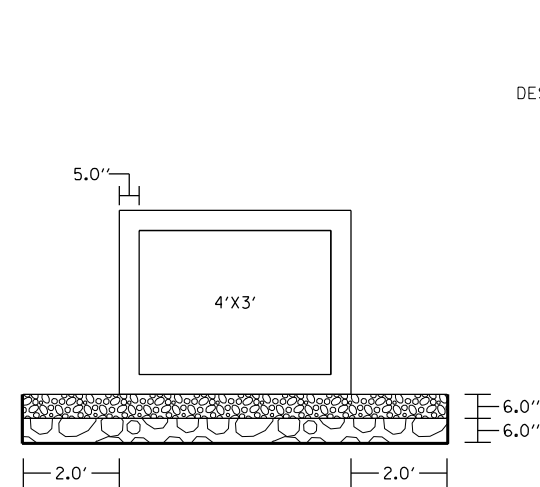
The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

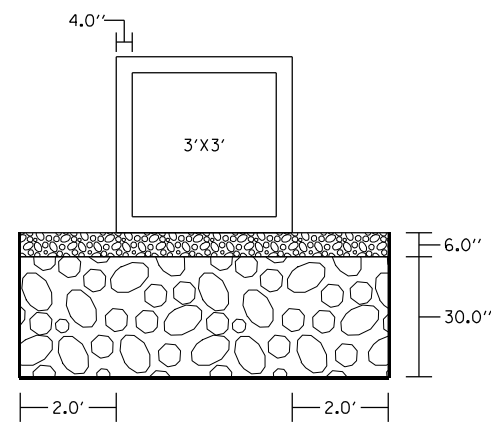
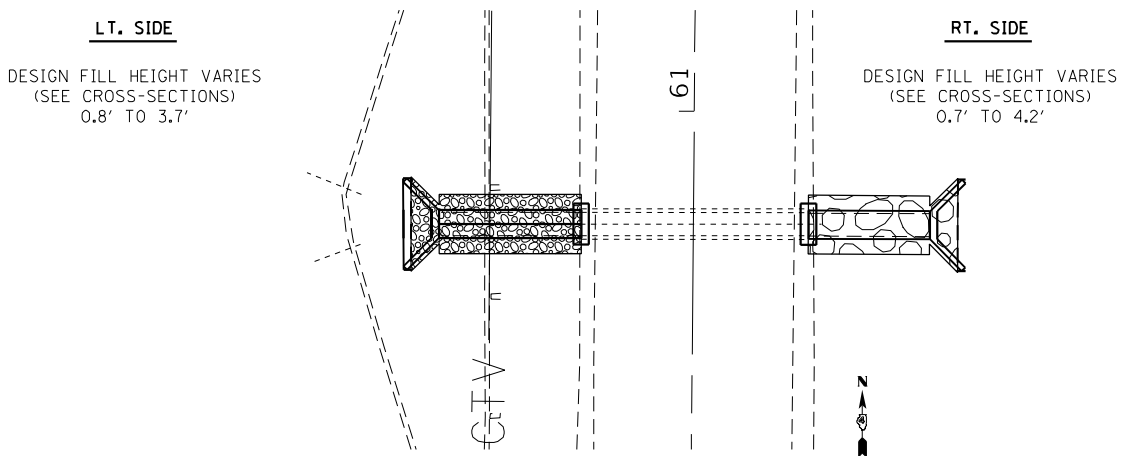
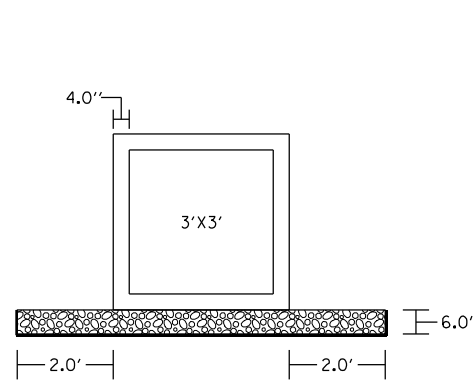
The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the Standard Specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately, but shall be included in the unit price for the work for which it is required.



CULVERT 1 PLAN VIEW



CULVERT 2 PLAN VIEW



CULVERT 3 PLAN VIEW

DRAWING NOT TO SCALE

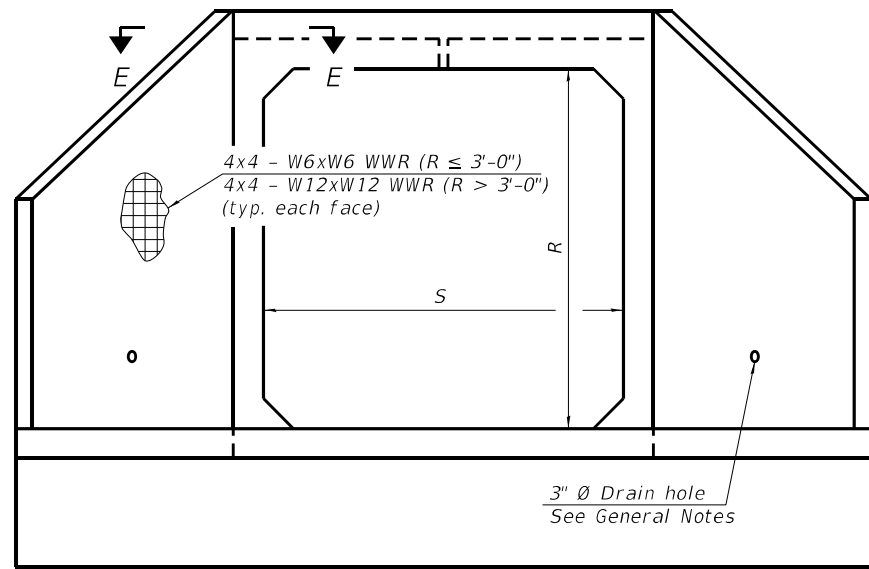
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	DATE -	REVISED -

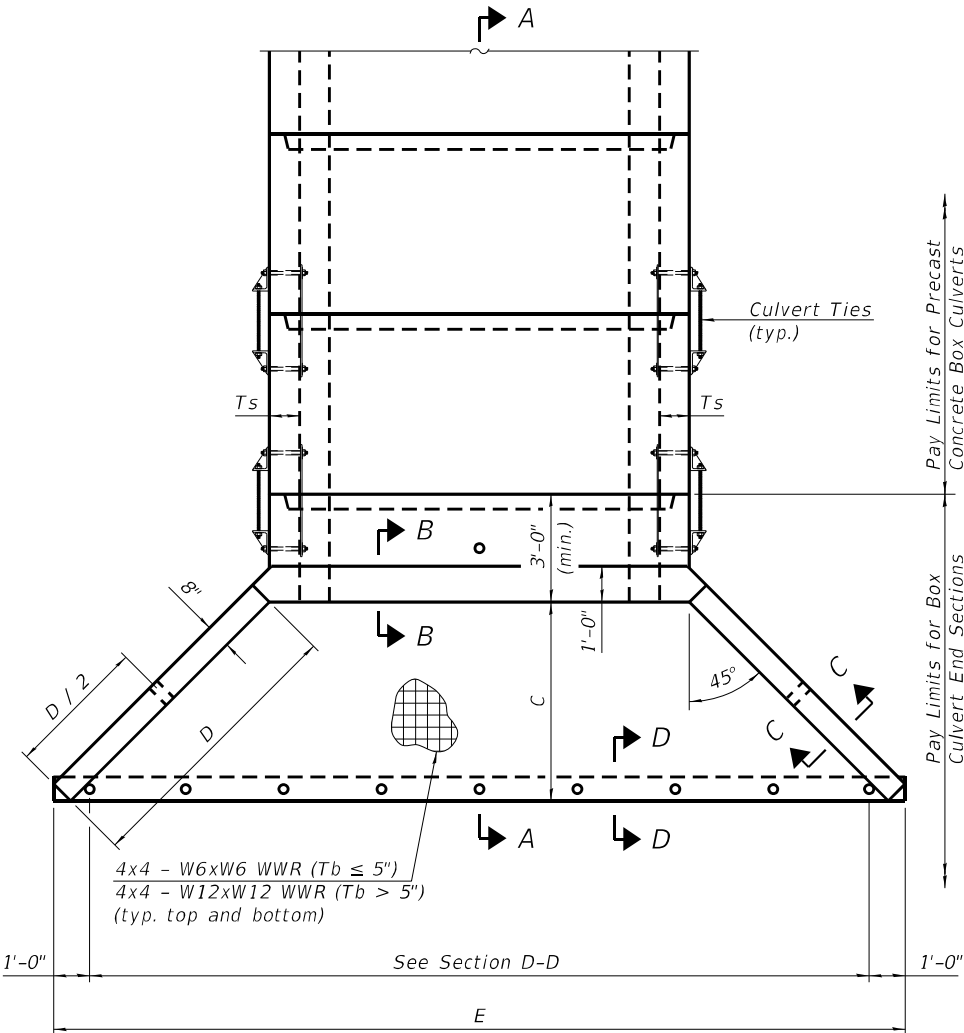
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BOX CULVERT EXTENSION DETAIL			
SCALE:	SHEET 1	OF 1	SHEETS
	STA.		TO STA.

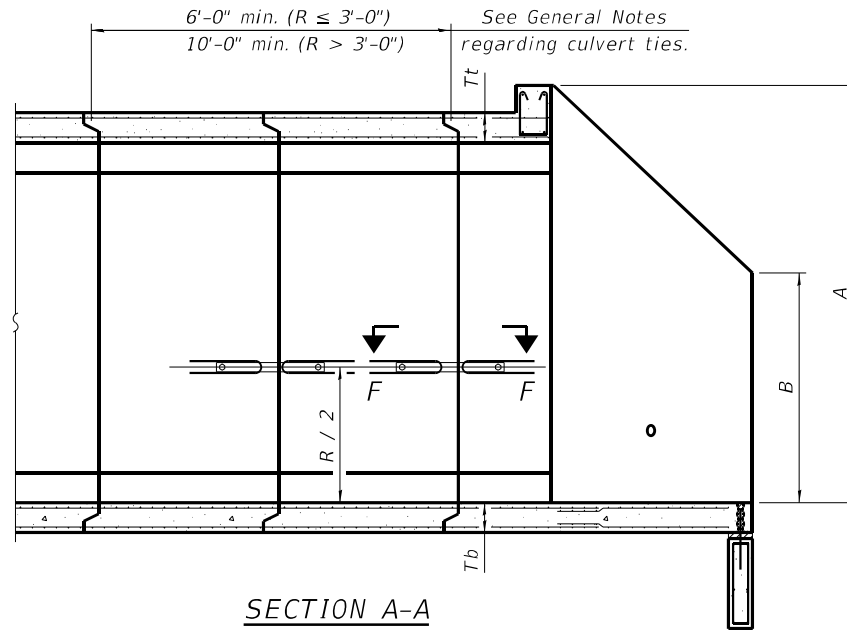
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	29
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				



END VIEW



PLAN



SECTION A-A

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

The Contractor may furnish the end section as a single precast concrete piece or construct the end section in the field using cast-in-place (CIP) construction. For CIP construction, the bottom slab thickness shall be increased by 2" and the clear cover to the bottom mat of reinforcement shall be increased to 3".

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

The number of culvert ties shall be sufficient to engage the minimum length of culvert barrel shown within the pay limits for Precast Concrete Box Culverts and will be dependent upon the length of box culvert segments furnished by the Contractor. Culvert ties are not required for box culverts having a rise (R) less than or equal to 3 ft and a span (S) greater than or equal to 10 ft.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the unit price for Box Culvert End Sections of the culvert number specified.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2". For the precast option, it shall be the Contractor's responsibility for determining a method of handling and a construction procedure shall be included in the shop drawings. The Contractor shall determine and detail in the shop drawings any necessary strengthening or stiffening provisions necessary to handle the precast segment. Any required modifications shall be at no extra charge.

The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the culvert barrel portion of the end section being lapped with reinforcement from the wingwalls or bottom slab of the end section shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within the lower 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.

APRON END SECTION DIMENSIONS

Span (S)	Rise (R)	Tt	Tb	Ts	A	B	C	D	E	Concrete Cu. Yd.	Culvert Ties Required
3'-0"	2'-0"	7"	6"	4"	3'-4"	2'-2"	2'-10 ⁵ / ₈ "	4'-1"	10'-4 ⁵ / ₈ "	2.8	Yes
3'-0"	2'-0"	4"	4"	4"	3'-1"	2'-1"	2'-7 ¹ / ₈ "	3'-9"	9'-11"	2.3	Yes
3'-0"	3'-0"	7"	6"	4"	4'-4"	2'-8"	3'-10 ³ / ₈ "	5'-6"	12'-4 ³ / ₈ "	3.7	Yes
3'-0"	3'-0"	4"	4"	4"	4'-1"	2'-7"	3'-7 ¹ / ₈ "	5'-2"	11'-11"	3.1	Yes
4'-0"	2'-0"	7.5"	6"	5"	3'-4 ¹ / ₂ "	2'-2 ¹ / ₂ "	2'-11 ³ / ₈ "	4'-2"	11'-8"	3.3	Yes
4'-0"	2'-0"	5"	5"	5"	3'-2"	2'-1"	2'-8 ¹ / ₂ "	3'-10"	11'-2 ³ / ₈ "	2.8	Yes
4'-0"	3'-0"	7.5"	6"	5"	4'-4 ¹ / ₂ "	2'-8 ¹ / ₂ "	3'-11 ³ / ₈ "	5'-7"	13'-8 ¹ / ₈ "	4.2	Yes
4'-0"	3'-0"	5"	5"	5"	4'-2"	2'-7"	3'-8 ¹ / ₂ "	5'-3"	13'-2 ³ / ₈ "	3.7	Yes
4'-0"	4'-0"	7.5"	6"	5"	5'-4 ¹ / ₂ "	3'-2 ¹ / ₂ "	4'-11 ³ / ₈ "	7'-0"	15'-8 ¹ / ₈ "	5.3	Yes
4'-0"	4'-0"	5"	5"	5"	5'-2"	3'-1"	4'-8 ³ / ₈ "	6'-8"	15'-2 ¹ / ₂ "	4.7	Yes
5'-0"	2'-0"	8"	7"	6"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	12'-10"	3.9	Yes
5'-0"	2'-0"	6"	6"	6"	3'-3"	2'-2"	2'-10"	4'-0"	12'-7 ¹ / ₄ "	3.5	Yes
5'-0"	3'-0"	8"	7"	6"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	14'-10 ¹ / ₈ "	4.9	Yes
5'-0"	3'-0"	6"	6"	6"	4'-3"	2'-8"	3'-10"	5'-5"	14'-7 ¹ / ₄ "	4.5	Yes
5'-0"	4'-0"	8"	7"	6"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	16'-10 ¹ / ₈ "	6.1	Yes
5'-0"	4'-0"	6"	6"	6"	5'-3"	3'-2"	4'-9 ¹ / ₄ "	6'-9"	16'-5 ⁷ / ₈ "	5.5	Yes
5'-0"	5'-0"	8"	7"	6"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	18'-10 ¹ / ₈ "	7.4	Yes
5'-0"	5'-0"	6"	6"	6"	6'-3"	3'-8"	5'-9 ¹ / ₄ "	8'-2"	18'-5 ⁷ / ₈ "	6.8	Yes
6'-0"	2'-0"	8"	7"	7"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	14'-0"	4.3	Yes
6'-0"	2'-0"	7"	7"	7"	3'-4"	2'-2"	2'-10 ³ / ₈ "	4'-1"	13'-10 ³ / ₈ "	4.2	Yes
6'-0"	3'-0"	8"	7"	7"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	16'-0 ¹ / ₈ "	5.4	Yes
6'-0"	3'-0"	7"	7"	7"	4'-4"	2'-8"	3'-10 ³ / ₈ "	5'-6"	15'-10 ³ / ₈ "	5.2	Yes
6'-0"	4'-0"	8"	7"	7"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	18'-0 ¹ / ₈ "	6.5	Yes
6'-0"	4'-0"	7"	7"	7"	5'-4"	3'-2"	4'-10 ³ / ₄ "	6'-11"	17'-10 ³ / ₄ "	6.5	Yes
6'-0"	5'-0"	8"	7"	7"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	20'-0 ¹ / ₈ "	8.0	Yes
6'-0"	5'-0"	7"	7"	7"	6'-4"	3'-8"	5'-10 ³ / ₄ "	8'-4"	19'-10 ³ / ₄ "	7.8	Yes
6'-0"	6'-0"	8"	7"	7"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	22'-0 ¹ / ₄ "	9.5	Yes
6'-0"	6'-0"	7"	7"	7"	7'-4"	4'-2"	6'-10 ³ / ₄ "	9'-9"	21'-10 ³ / ₄ "	9.3	Yes
7'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	15'-2"	4.9	Yes
7'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	17'-2 ¹ / ₈ "	6.1	Yes
7'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	19'-2 ¹ / ₈ "	7.4	Yes
7'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	21'-2 ¹ / ₈ "	8.9	Yes
7'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	23'-2 ¹ / ₄ "	10.6	Yes
8'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	16'-2"	5.3	Yes
8'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	18'-2 ¹ / ₈ "	6.5	Yes
8'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	20'-2 ¹ / ₈ "	7.8	Yes
8'-0"	5'-0"	8"	8"	8"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	22'-2 ¹ / ₈ "	9.3	Yes
8'-0"	6'-0"	8"	8"	8"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	24'-2 ¹ / ₄ "	11.0	Yes
9'-0"	2'-0"	9"	9"	9"	3'-6"	2'-3"	3'-0 ³ / ₄ "	4'-4"	17'-6 ¹ / ₈ "	6.2	Yes
9'-0"	3'-0"	9"	9"	9"	4'-6"	2'-9"	4'-0 ³ / ₄ "	5'-9"	19'-6 ¹ / ₈ "	7.5	Yes
9'-0"	4'-0"	9"	9"	9"	5'-6"	3'-3"	5'-0 ³ / ₄ "	7'-2"	21'-6 ¹ / ₈ "	9.0	Yes
9'-0"	5'-0"	9"	9"	9"	6'-6"	3'-9"	6'-0 ³ / ₈ "	8'-7"	23'-7"	10.6	Yes
9'-0"	6'-0"	9"	9"	9"	7'-6"	4'-3"	7'-0 ³ / ₈ "	9'-11"	25'-5 ⁵ / ₈ "	12.4	Yes
10'-0"	2'-0"	10"	10"	10"	3'-7"	2'-4"	3'-1 ¹ / ₂ "	4'-5"	18'-10 ¹ / ₄ "	7.1	No
10'-0"	3'-0"	10"	10"	10"	4'-7"	2'-10"	4'-1 ¹ / ₂ "	5'-10"	20'-10 ¹ / ₄ "	8.6	No
10'-0"	4'-0"	10"	10"	10"	5'-7"	3'-4"	5'-1 ¹ / ₂ "	7'-3"	22'-10 ³ / ₈ "	10.2	Yes
10'-0"	5'-0"	10"	10"	10"	6'-7"	3'-10"	6'-1 ¹ / ₂ "	8'-8"	24'-10 ³ / ₈ "	12.0	Yes
10'-0"	6'-0"	10"	10"	10"	7'-7"	4'-4"	7'-1 ¹ / ₂ "	10'-1"	26'-10 ³ / ₈ "	13.9	Yes
11'-0"	2'-0"	11"	11"	11"	3'-8"	2'-4"	3'-2 ¹ / ₈ "	4'-7"	20'-3 ¹ / ₈ "	8.2	No
11'-0"	3'-0"	11"	11"	11"	4'-8"	2'-10"	4'-2 ¹ / ₈ "	6'-0"	22'-3 ¹ / ₈ "	9.8	No
11'-0"	4'-0"	11"	11"	11"	5'-8"	3'-4"	5'-2 ¹ / ₄ "	7'-4"	24'-1 ³ / ₄ "	11.5	Yes
11'-0"	5'-0"	11"	11"	11"	6'-8"	3'-10"	6'-2 ¹ / ₄ "	8'-9"	26'-1 ³ / ₄ "	13.3	Yes
11'-0"	6'-0"	11"	11"	11"	7'-8"	4'-4"	7'-2 ¹ / ₄ "	10'-2"	28'-1 ¹ / ₈ "	15.5	Yes
12'-0"	2'-0"	12"	12"	12"	3'-9"	2'-5"	3'-3 ³ / ₈ "	4'-8"	21'-6 ¹ / ₂ "	9.3	No
12'-0"	3'-0"	12"	12"	12"	4'-9"	2'-11"	4'-3 ³ / ₈ "	6'-1"	23'-6 ¹ / ₂ "	11.1	No
12'-0"	4'-0"	12"	12"	12"	5'-9"	3'-5"	5'-3 ³ / ₈ "	7'-6"	25'-6 ³ / ₈ "	13.0	Yes
12'-0"	5'-0"	12"	12"	12"	6'-9"	3'-11"	6'-3 ³ / ₈ "	8'-11"	27'-6 ³ / ₈ "	14.1	Yes
12'-0"	6'-0"	12"	12"	12"	7'-9"	4'-5"	7'-3 ³ / ₈ "	10'-4"	29'-6 ³ / ₈ "	17.4	Yes

Note:

Two sets of apron end section dimensions are shown above for some box culvert sizes due to the top and bottom slabs having different thicknesses per ASTM C 1577 for design fill heights less than 2 ft.

(Sheet 1 of 2)

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2-17-2017

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

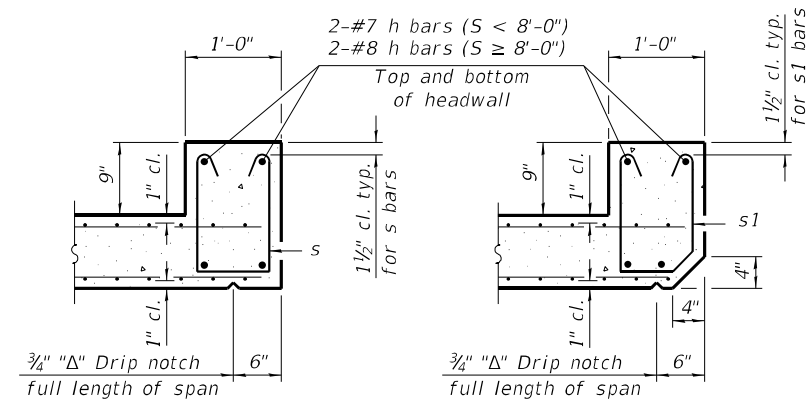
PRECAST CONCRETE BOX CULVERT APRON END

SECTION DETAILS

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

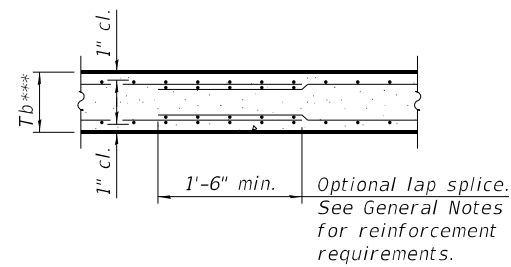
F.A.P. RTE. 574	SECTION (12)CLV,SLP	COUNTY FULTON	TOTAL SHEETS 55	SHEET NO. 30
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				

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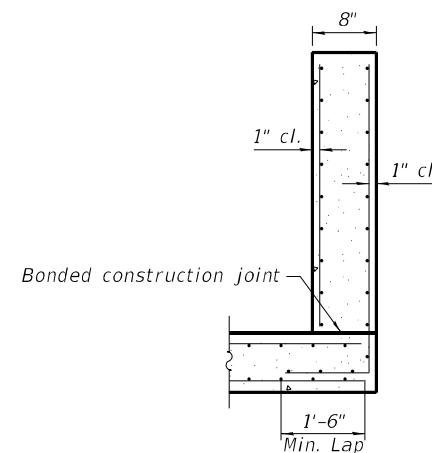
SECTION B-B
(Top slab at downstream end)

SECTION B-B
(Top slab at upstream end)

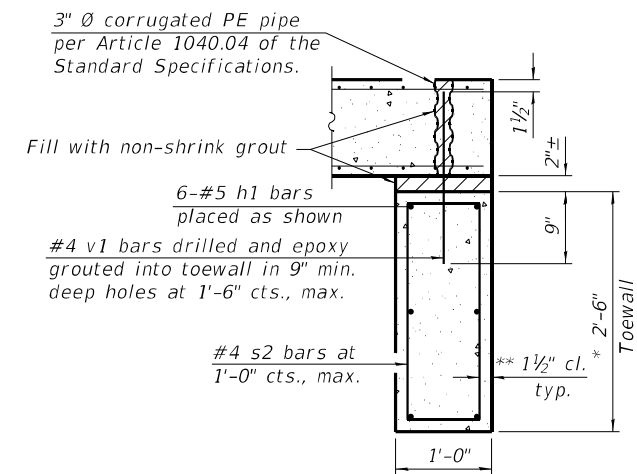


SECTION B-B
(Bottom Slab)

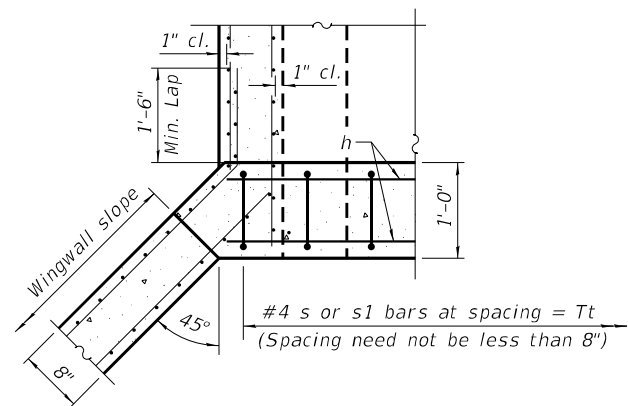
*** This dimension shall be increased by 2" for CIP construction.



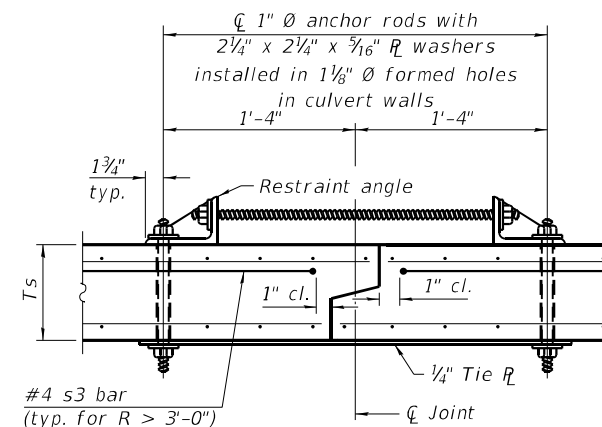
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F
(Showing culvert tie details)

TOEWALL CONSTRUCTION SEQUENCE

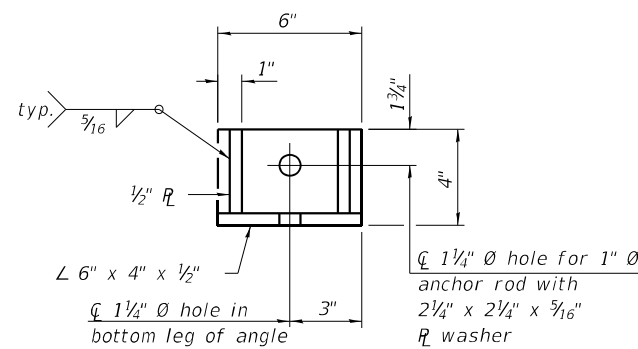
1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

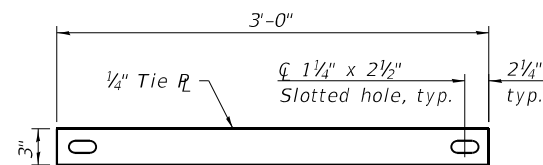
** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.

Notes:

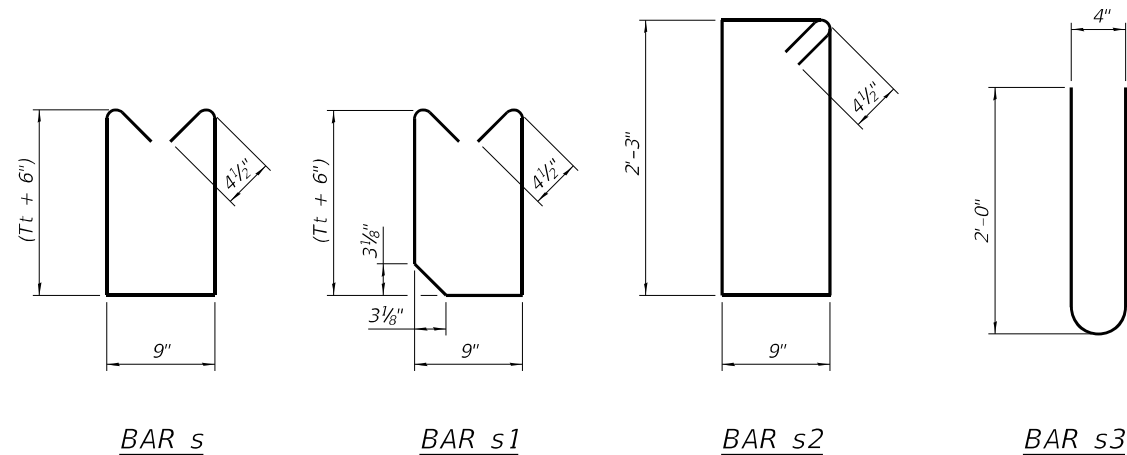
1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 3/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.



RESTRAINT ANGLE DETAIL



TIE PLATE DETAIL



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2-17-2017

(Sheet 2 of 2)

STATE OF ILLINOIS
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PRECAST CONCRETE BOX CULVERT APRON END
SECTION DETAILS

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	31
CONTRACT NO. 68E54				

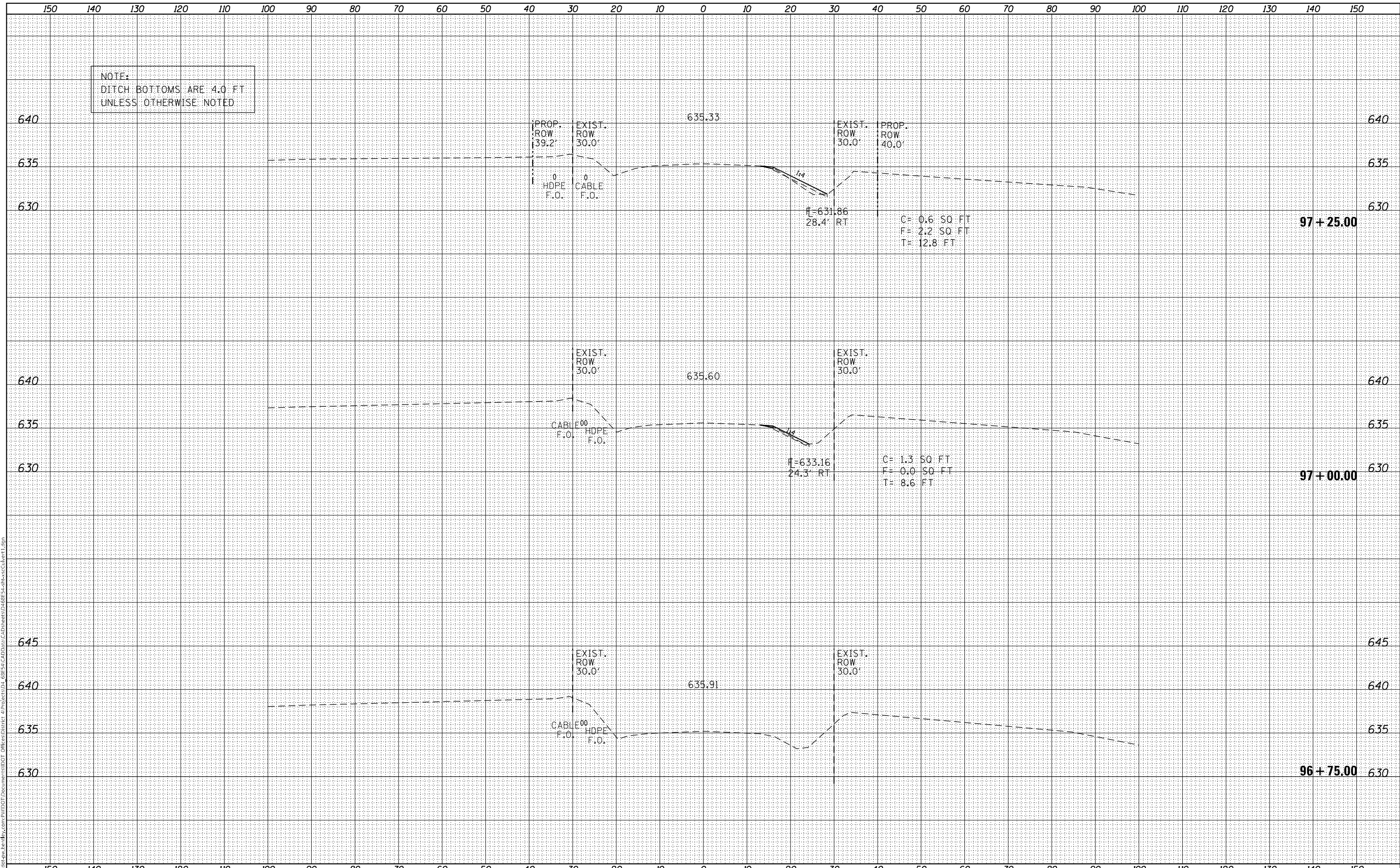
ILLINOIS FED. AID PROJECT

NOTE:
DITCH BOTTOMS ARE 4.0 FT
UNLESS OTHERWISE NOTED

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

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

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	DRAWN -	REVISED -
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PLOT DATE = 1/30/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

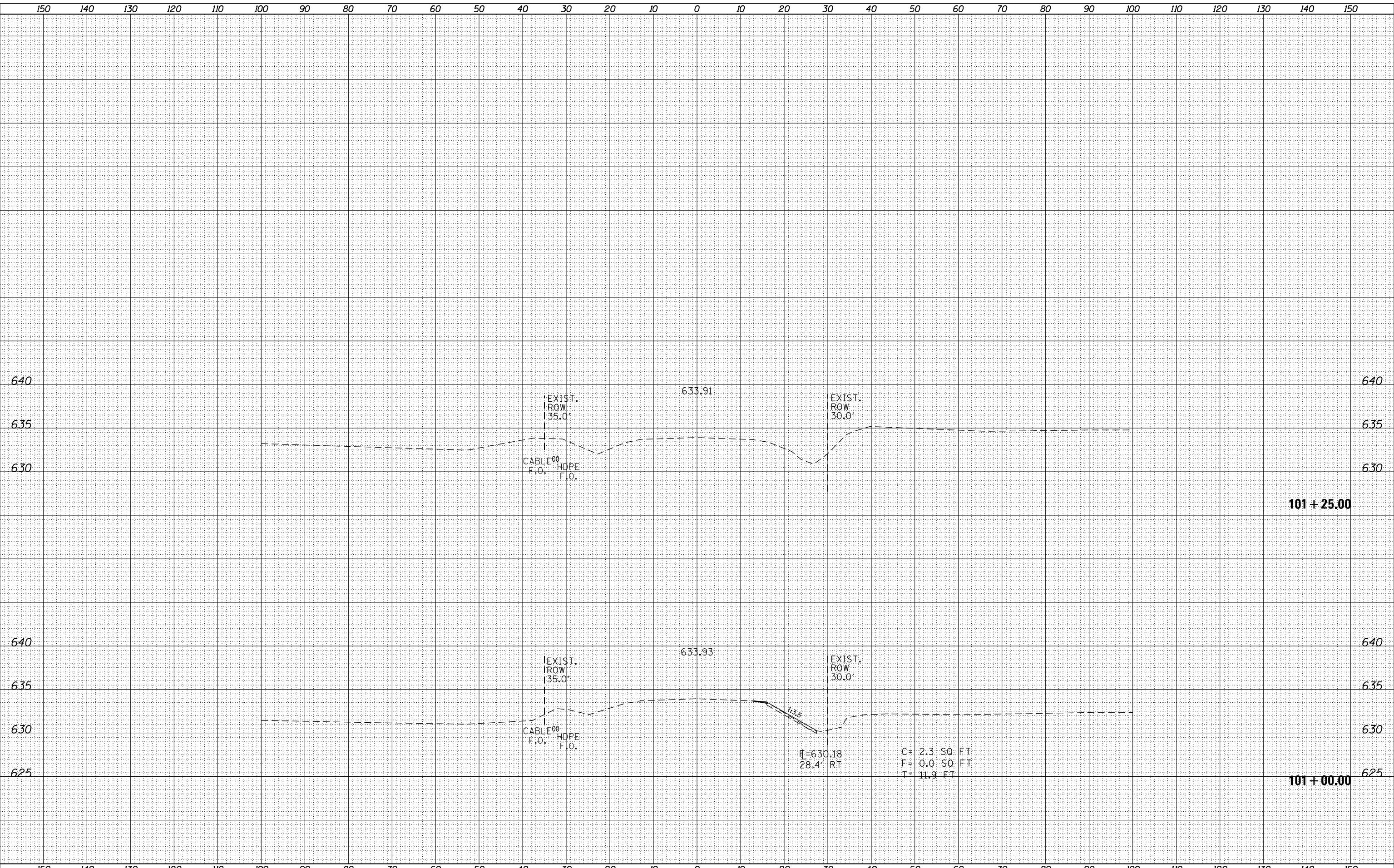
CROSS SECTIONS CULVERT 1			
SCALE:	SHEET 1	OF 8 SHEETS	STA. 96+75.00 TO STA. 97+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	33
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 CULVERT 1**

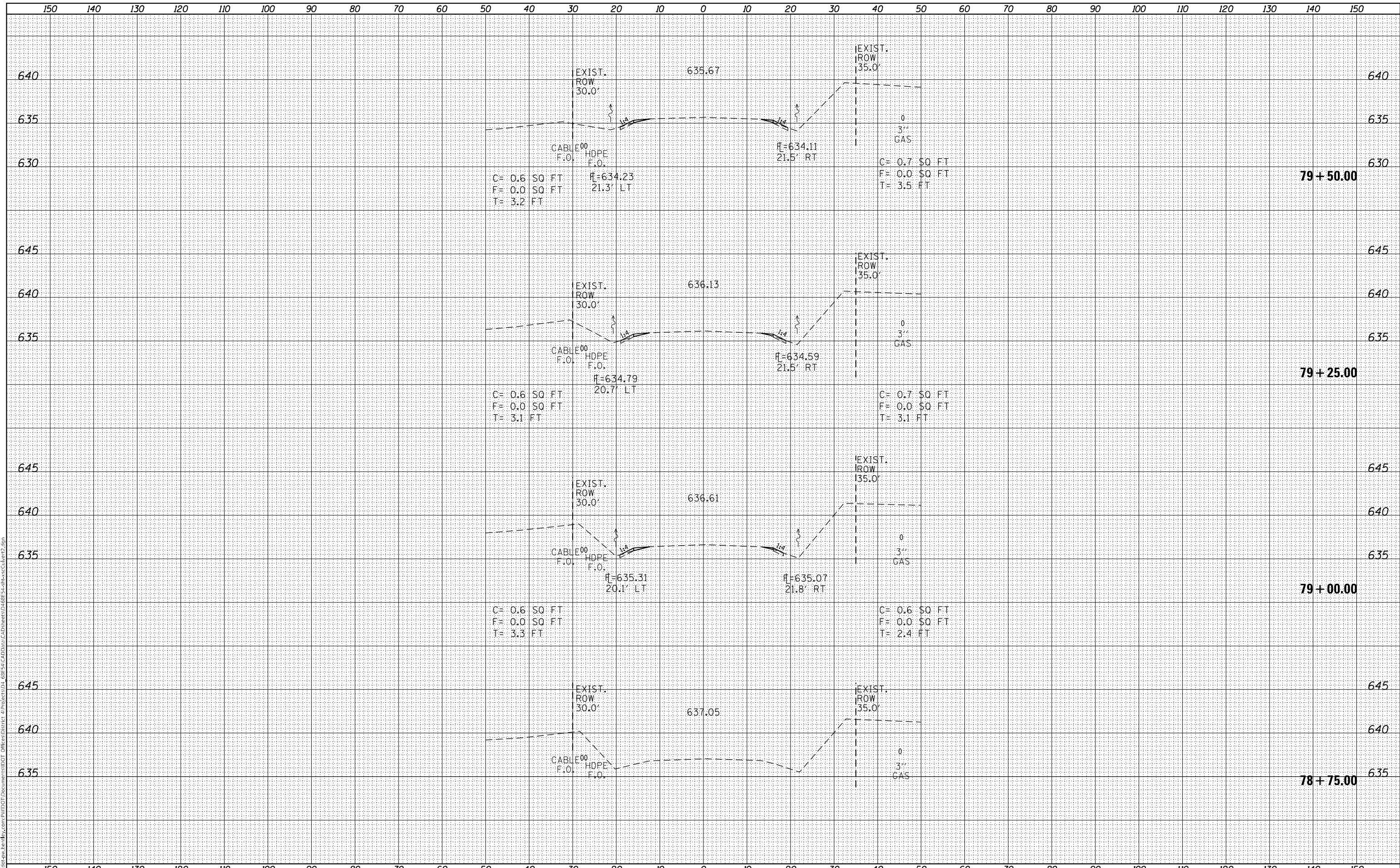
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	40
CONTRACT NO. 68E54				
ILLINOIS FED. AID PROJECT				

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

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

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	DRAWN -	REVISED -
PLOT SCALE = 1:20	CHECKED -	REVISED -
PLOT DATE = 1/30/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 CULVERT 2**

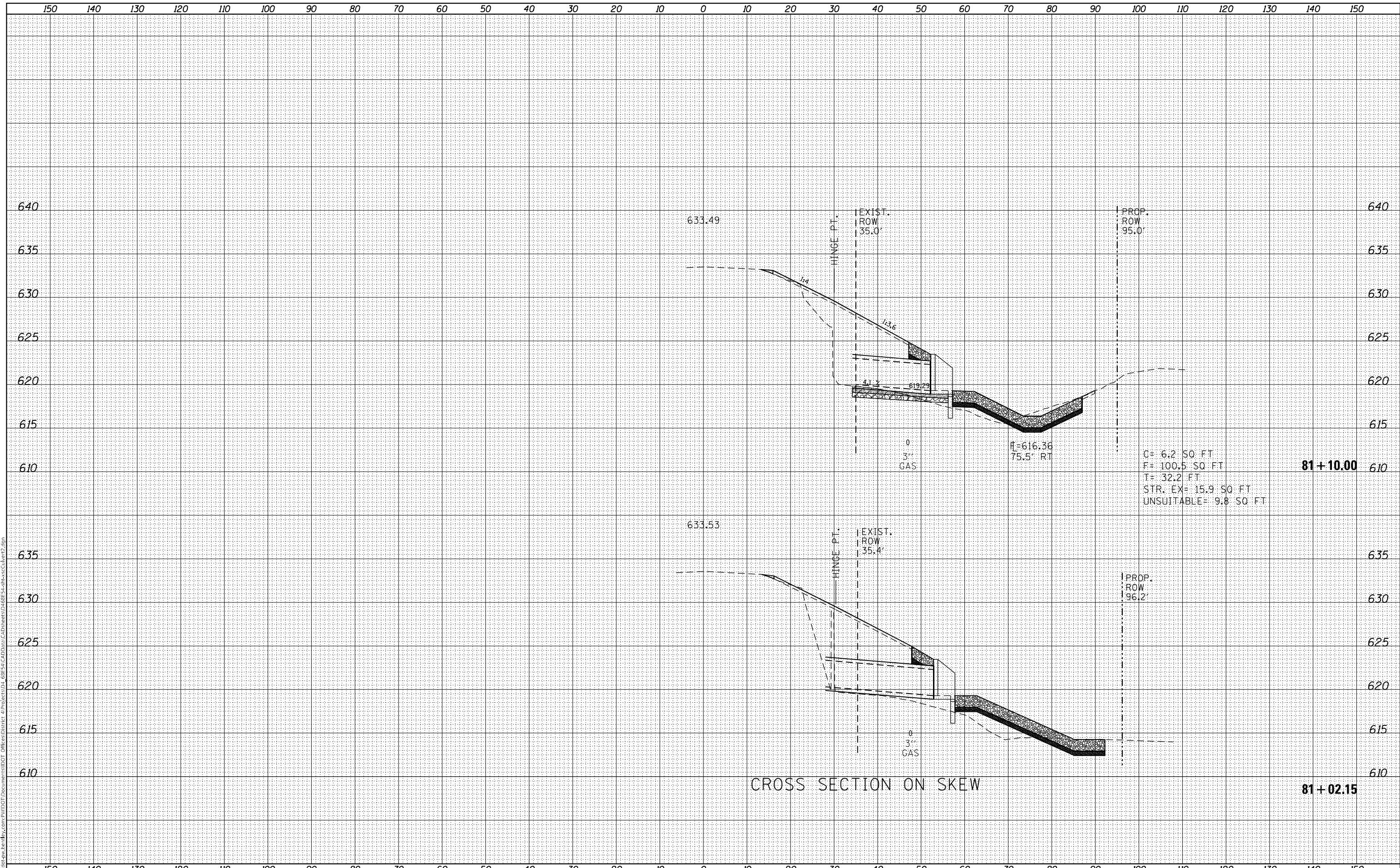
SCALE: SHEET 1 OF 7 SHEETS STA. 78+75.00 TO STA. 79+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	41
CONTRACT NO. 68E54				
ILLINOIS		FED. AID PROJECT		

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

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

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	DRAWN -	REVISED -
PLOT SCALE = 1:20	CHECKED -	REVISED -
PLOT DATE = 1/30/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

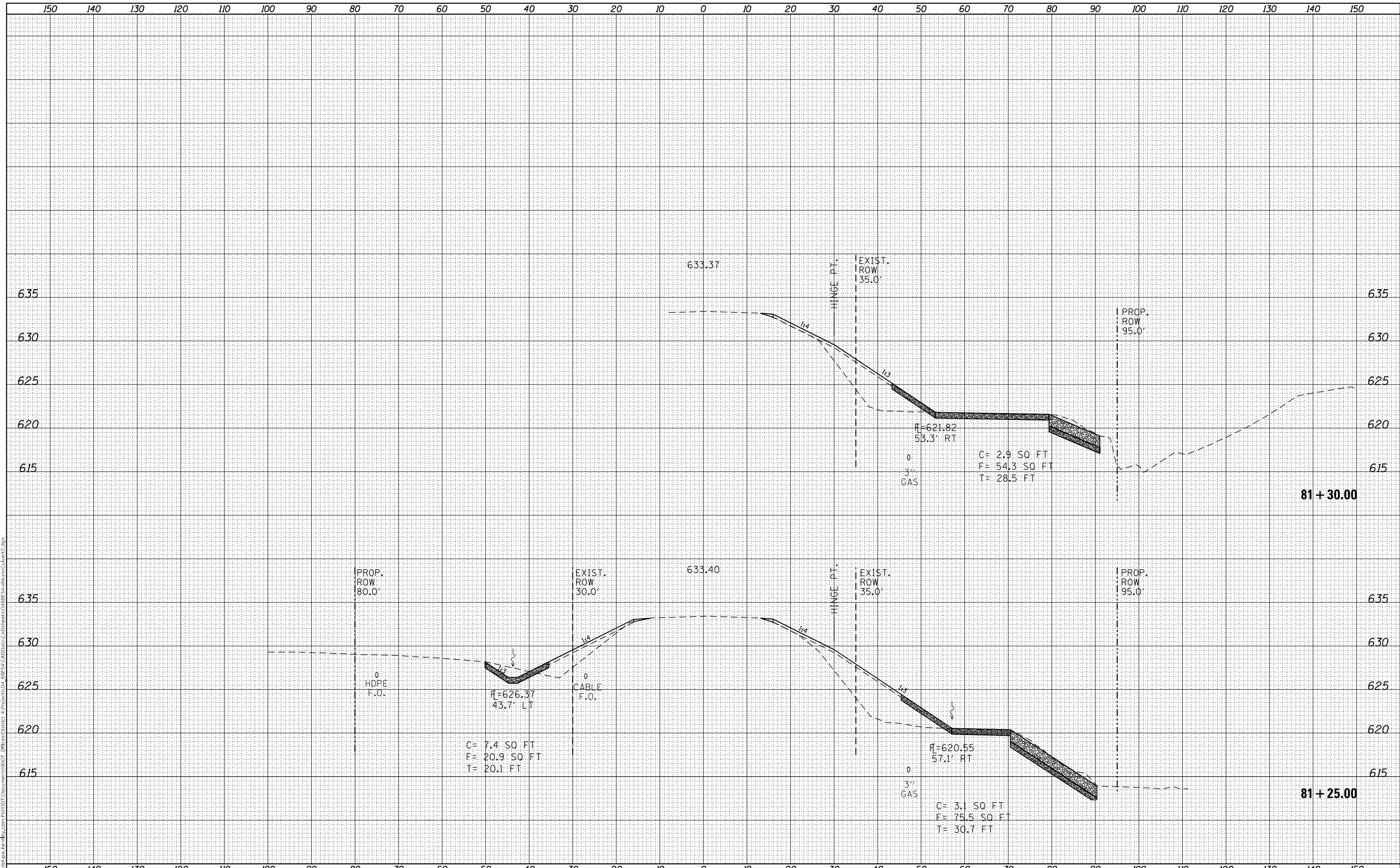
CROSS SECTIONS CULVERT 2			
SCALE:	SHEET 4	OF 7 SHEETS	STA. 81+02.15 TO STA. 81+10.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	44
				CONTRACT NO. 68E54
				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 = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:20	CHECKED -	REVISED -
PLOT DATE = 1/30/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
CULVERT 2**

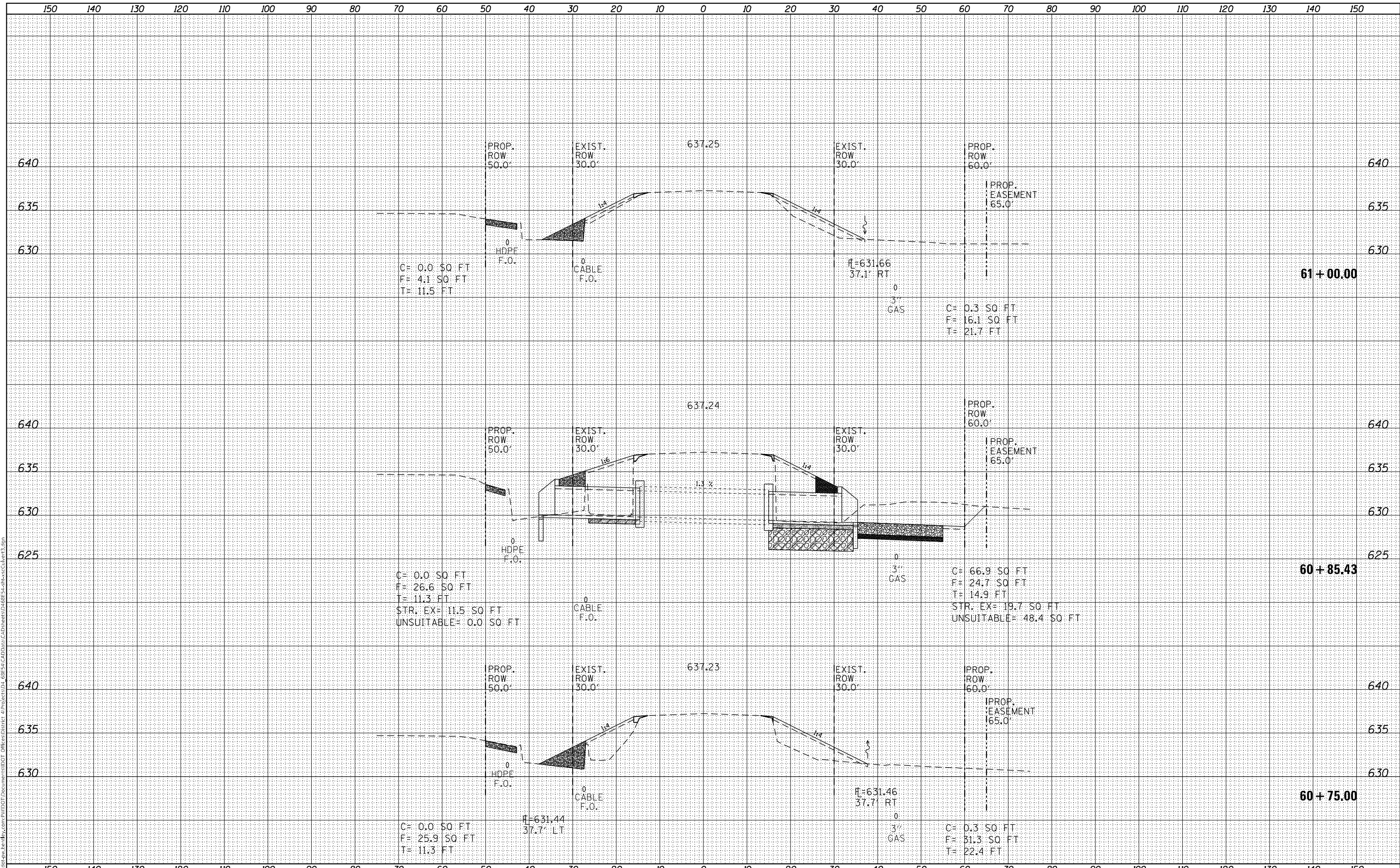
SCALE: SHEET 5 OF 7 SHEETS STA. 81+25.00 TO STA. 81+30.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	45
CONTRACT NO. 68E54				
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

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 CULVERT 3**

USER NAME = SUsers	DESIGNED -	REVISED -
PLOT SCALE = 1:20	DRAWN -	REVISED -
PLOT DATE = 1/30/2023	CHECKED -	REVISED -
	DATE -	REVISED -

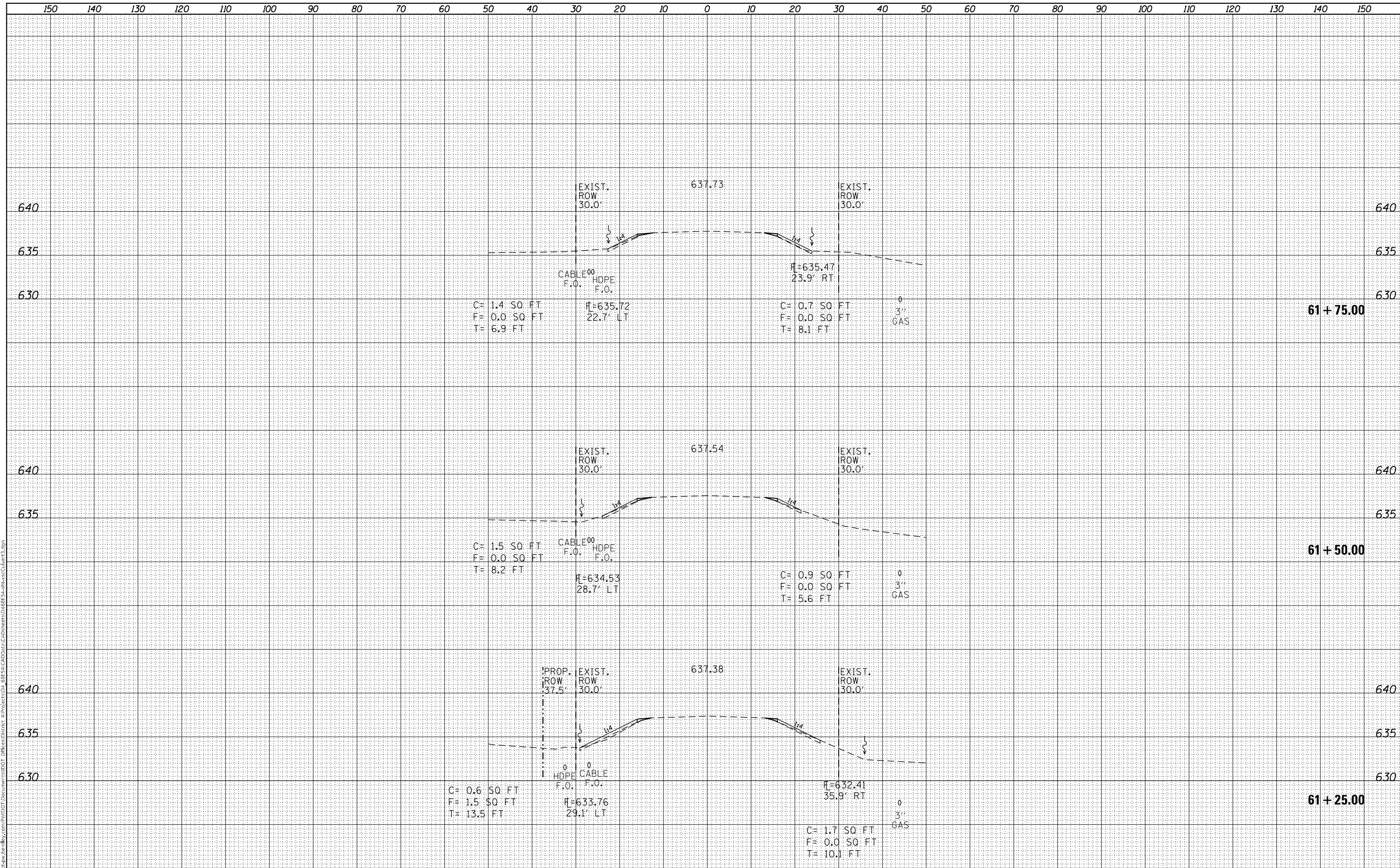
SCALE: SHEET 3 OF 5 SHEETS STA. 60+75.00 TO STA. 61+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	50
CONTRACT NO. 68E54				
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 = SUSERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:20	CHECKED -	REVISED -
PLOT DATE = 1/30/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
CULVERT 3**

SCALE: SHEET 4 OF 5 SHEETS STA. 61+25.00 TO STA. 61+75.00

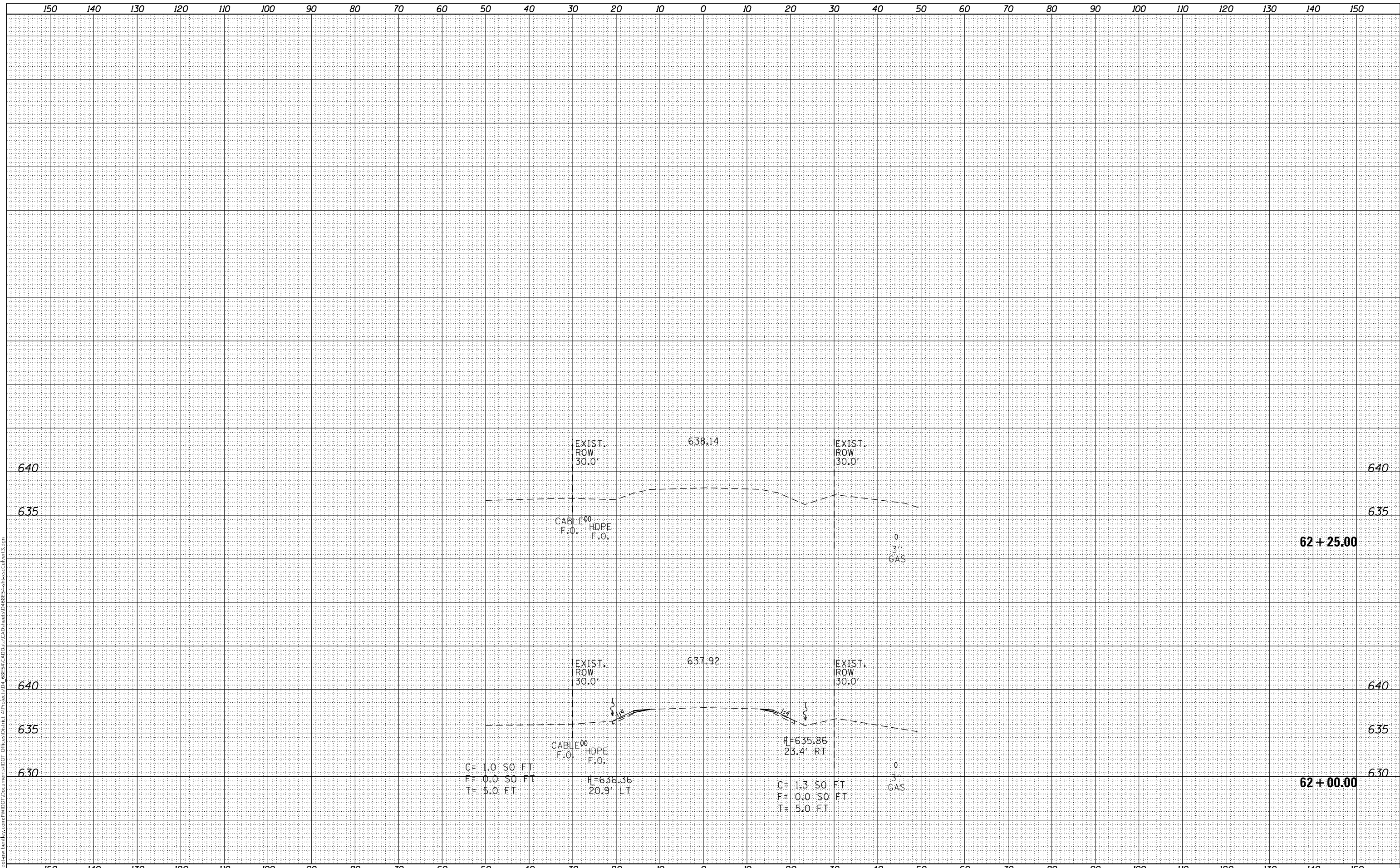
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	51
CONTRACT NO. 68E54				

ILLINOIS FED. AID PROJECT

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

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

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USER NAME = \$USERS	DESIGNED -	REVISED -
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PLOT SCALE = 1:20	CHECKED -	REVISED -
PLOT DATE = 1/30/2023	DATE -	REVISED -

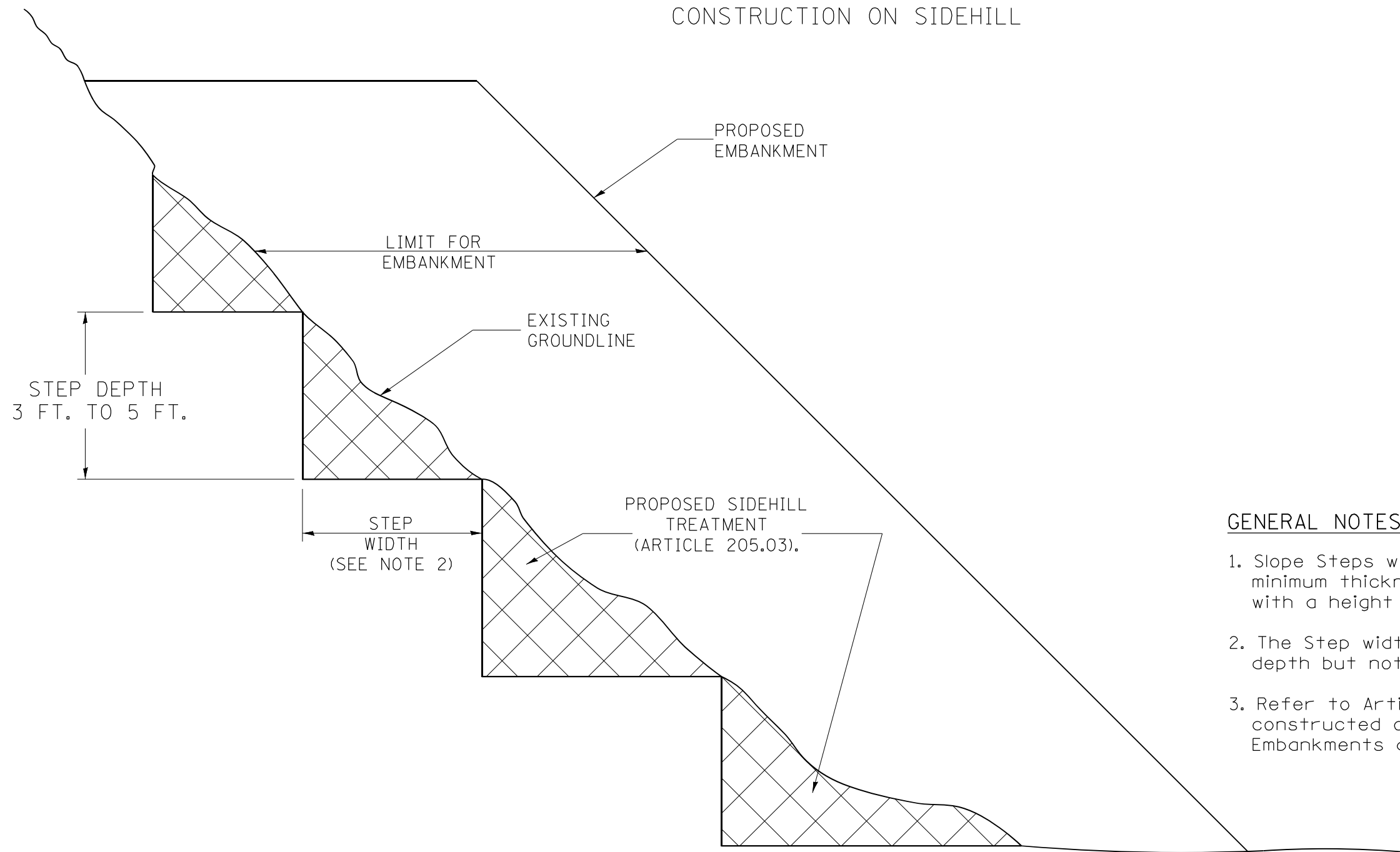
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS CULVERT 3			
SCALE:	SHEET 5	OF 5 SHEETS	STA. 62+00.00 TO STA. 62+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	52
				CONTRACT NO. 68E54
				ILLINOIS FED. AID PROJECT

SLOPE STEPS DETAIL

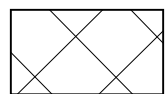
TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "sliver fills" and on all fills with a height of 10 feet or greater.
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

REPLACEMENT MATERIAL:



STANDARD EMBANKMENT
(IN ACCORDANCE WITH
205 OF THE STANDARD SPECIFICATION).

All dimensions are in inches (millimeters)
unless otherwise noted.

1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE BOX, REVISED GENERAL NOTES.	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.
5-30-18	MINOR CORRECTION	R.D.

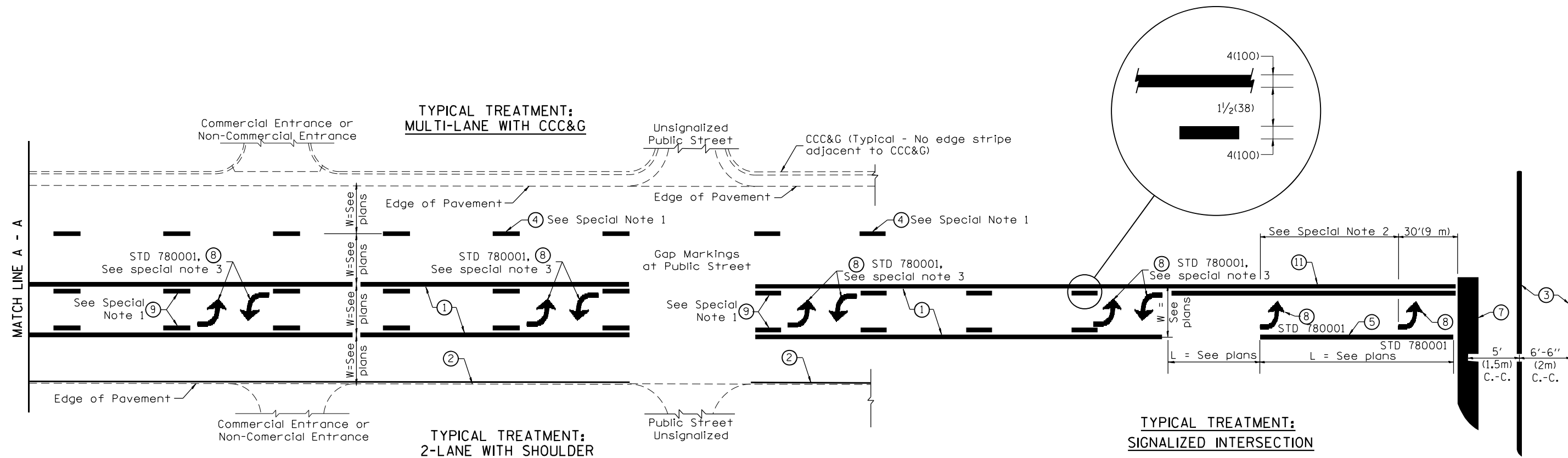
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SLOPE STEPS DETAIL

NOT TO SCALE

CADD STD. 205001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	53
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68E54	



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:
Through Arrow= 14.8 sq. ft.
Large Left or Right Arrow= 21.9 sq. ft.
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
Wrong Way Arrow= 29.5 sq. ft.
Railroad Crossing Symbol= 69.8 sq. ft.
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.	07-16-19	SPELLING CORRECTIONS	R.D.
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

TYPICAL PAVEMENT MARKINGS

SHT. 1 OF 2
CADD STD. 780001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	(12)CLV,SLP	FULTON	55	54
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68E54	

