

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	125CR	HENRY	34	1
		ILLINOIS	CONTRACT NO. 64P09	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

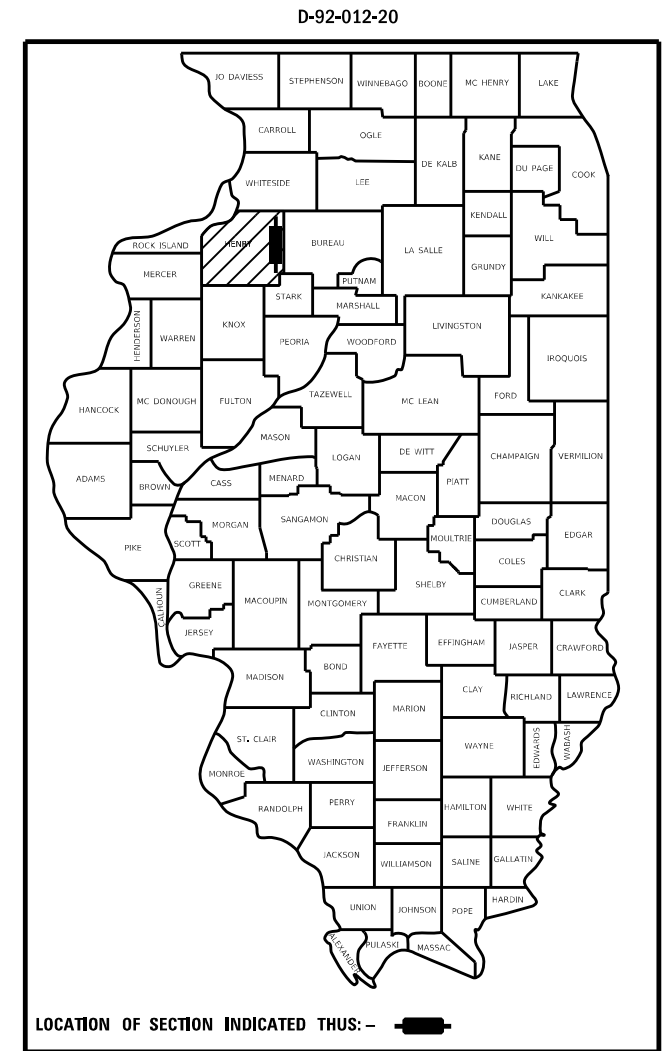
HIGHWAY CLASSIFICATION

F.A.P. ROUTE 22 (IL 78)
CLASSIFICATION: MINOR ARTERIAL
ADT: 1,550 (2019) PV = 990
DESIGN SPEED: 40-55 MPH MU = 350
POSTED SPEED: 40-55 MPH SU = 160

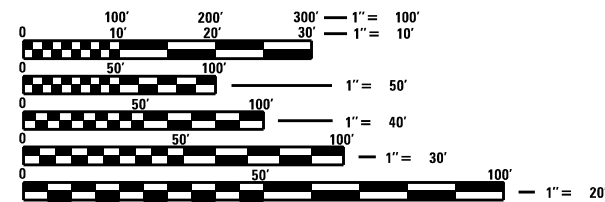
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 22 (IL 78)
SECTION 125CR
PROJECT STP-HIHS(186)
REMOVE AND REPLACE PIPE CULVERTS
HENRY COUNTY

C-92-064-20



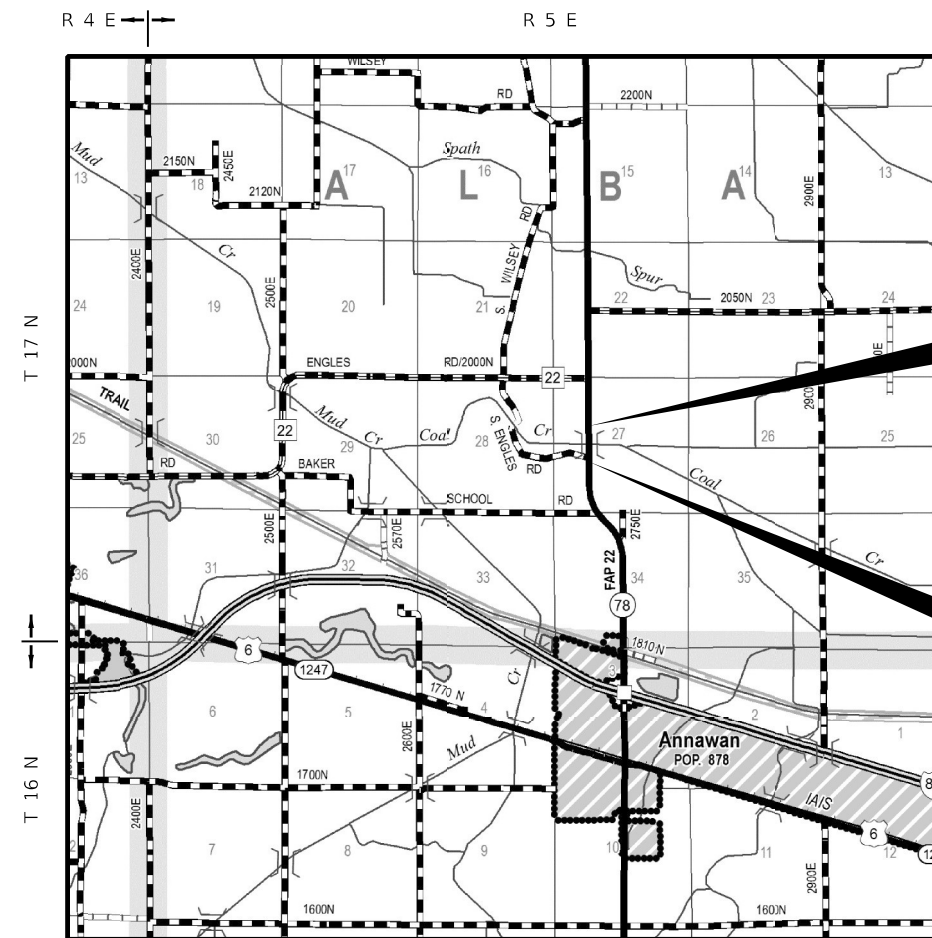
ALBA TOWNSHIP SECTION 27



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: ANDREW LEE
SQUAD LEADER: ROBERT BARTON
PROJECT MANAGER: DENNISSE OTERO-LOPEZ (815)284-5924
EMAIL: Dennisse.Otero-Lopez@Illinois.gov
CONTRACT NO. 64P09



PROJECT ENDS
STA. 1070 + 55

PROJECT BEGINS
STA. 1056 + 50

GROSS LENGTH = 1,405 FT. = 0.266 MILE
NET LENGTH = 1,405 FT. = 0.266 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED 12/10/20 21
David Alford
REGIONAL ENGINEER
February 4, 2022
Stephen M. Lewis
ENGINEER OF DESIGN AND ENVIRONMENT
February 4, 2022
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

<u>PAGE</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	INDEX OF SHEETS / STANDARDS
3	GENERAL NOTES
4 - 6	SUMMARY OF QUANTITIES
7	TYPICAL SECTIONS
8 - 9	SCHEDULE OF QUANTITIES
10	EARTHWORK SCHEDULE
11 - 12	HORIZONTAL & VERTICAL CONTROL
13	EROSION CONTROL SHEETS
14	DRAINAGE DETAILS
15	INLETS, SPECIAL NO. 1
16	ACCESS ROAD DETAILS
17	GUARDRAIL DETAILS
18	AGGREGATE DITCH FOR FLEXIBLE DITCH LINING (21.4)
18	HOT MIX-ASPHALT SHOULDER (22.4)
18	DELINEATOR AND POST ORIENTATION (37.4)
18	TYPICAL BENCHING DETAIL ON EXISTING EMBANKMENT (DS 50.4)
19	AUTOMATIC FLAP GATE (DS 73.2)
20 - 23	WORK ZONE SIGN DETAILS (34.1)
24 - 27	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARDRAIL (DS 53.1)
28 - 34	CROSS SECTIONS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542411	SLOPED METAL END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 60" (1500MM) DIAMETER
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-17	TRAFFIC BARRIER TERMINAL - TYPE 6
635001-02	DELINEATORS
666001-01	RIGHT OF WAY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
720011-01	METAL POST FOR SIGNS, MARKERS, AND DELINEATORS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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USER NAME = bartonrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & HIGHWAY STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = Dec-14-2021 02:03:19 PM	DATE -	REVISED -			SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.

GENERAL NOTES

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1A. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

Fertilizer Nutrients shall be applied at the rate specified in Sections 250 and 252 of the Standard Specifications. This shall be included in the cost of the SEEDING or SODDING.

The following Mixture Requirements are applicable for this project:

Location and Mixture Use(s):	Shoulder	
	Binder	Surface
PG:	PG 58-28	PG 58-28
Design Air Voids:	4.0 @ N50	4.0 @ N50
Mixture Composition:	IL 19.0	IL 9.5
Friction Aggregate:	N/A	C
Mixture Weight:	112 lb/sq/in	112 lb/sy/in
Quality Management Program:	QC/QA	QC/QA
Sublot Size:	N/A	N/A
Material Transfer Device	No	No

Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

Connecting bands for corrugated metal pipes shall be metal and shall be coated with the same material as the pipe sections. The connecting bands shall be a minimum of 18" wide.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted. Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

The Contractor shall be responsible for collecting and maintaining an electronic log of all stakeout survey that is performed on the job, either by him/her or any sub-contractor performing the stakeout. Upon request, all logs shall be submitted to the Department. No additional compensation will be allowed for this work, but shall be considered included in the cost for CONSTRUCTION LAYOUT.

The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Patti Wedell	Ameren IP	(Electric)	(309)345-5173
Ted Mattan	Henry Co. Telephone	(Communications)	(309)944-8030

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

The Right-of-Way or property corner is monumented with a 5/8" iron rod, forty-two inches (42") in length, with an IDOT aluminum cap that shall not be removed, damaged, or disturbed when setting the Right-of-Way marker. The Right-of-Way marker shall be installed so that the back of the post is twelve inches (12") inside the Right-of-Way boundary. The Right-of-Way marker shall be a witness to the monument.

All work shall be performed within the Proposed Right-of-Way.

FILE NAME = 64P09.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES			ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	DATE = 12/2/2021 1:12 PM	DATE =	REVISED -		SCALE:	SHEET NO. 1 OF 1	STA.	TO STA.				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL	100% STATE
				20% STATE	NONE
				NONE	NONE
				0004	0004
				RURAL	RURAL
20200100	EARTH EXCAVATION	CU YD	210	210	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	8,627	8,627	
25000210	SEEDING, CLASS 2A	ACRE	1.50	1.50	
25000310	SEEDING, CLASS 4	ACRE	0.50	0.50	
25000750	MOWING	ACRE	2.00		2.00
25100630	EROSION CONTROL BLANKET	SQ YD	7,755	7,755	
25100900	TURF REINFORCEMENT MAT	SQ YD	872	872	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,070	1070	
28000305	TEMPORARY DITCH CHECKS	FOOT	40	40	
28000400	PERIMETER EROSION BARRIER	FOOT	1,623	1,623	
28000500	INLET AND PIPE PROTECTION	EACH	3	3	
28000510	INLET FILTERS	EACH	2	2	
28100105	STONE RIPRAP, CLASS A3	SQ YD	658	658	
28200200	FILTER FABRIC	SQ YD	658	658	

USER NAME = bartonrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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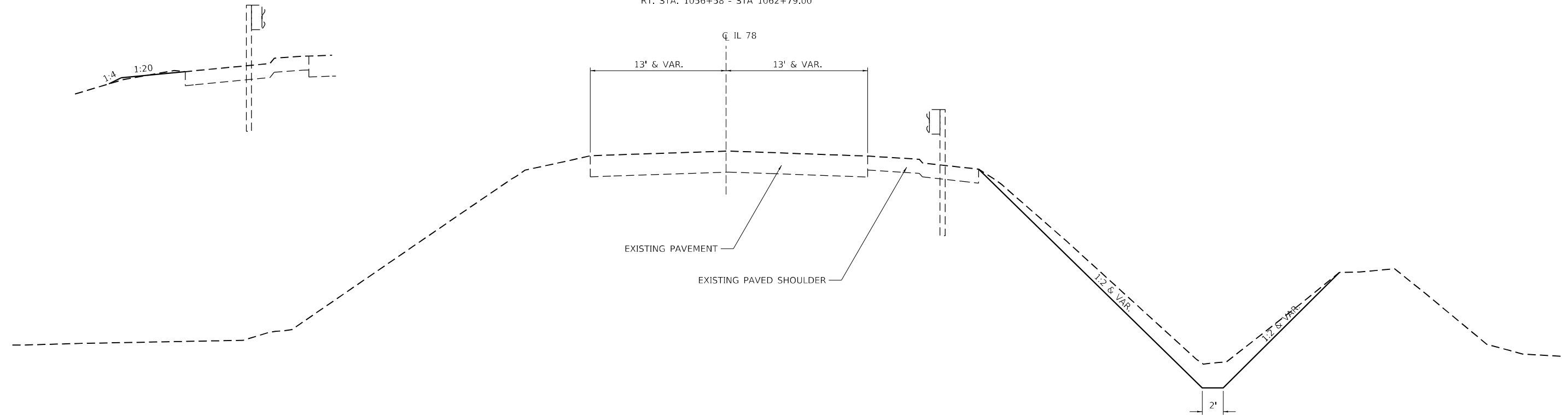
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	100% STATE
				NONE 0004	NONE 0004
				RURAL	RURAL
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	6	6	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
X0327591	WOOD BOLLARDS AND CABLE	FOOT	11	11	
X6024242	INLETS, SPECIAL, NO. 1	EACH	2	2	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	

USER NAME = bartonrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

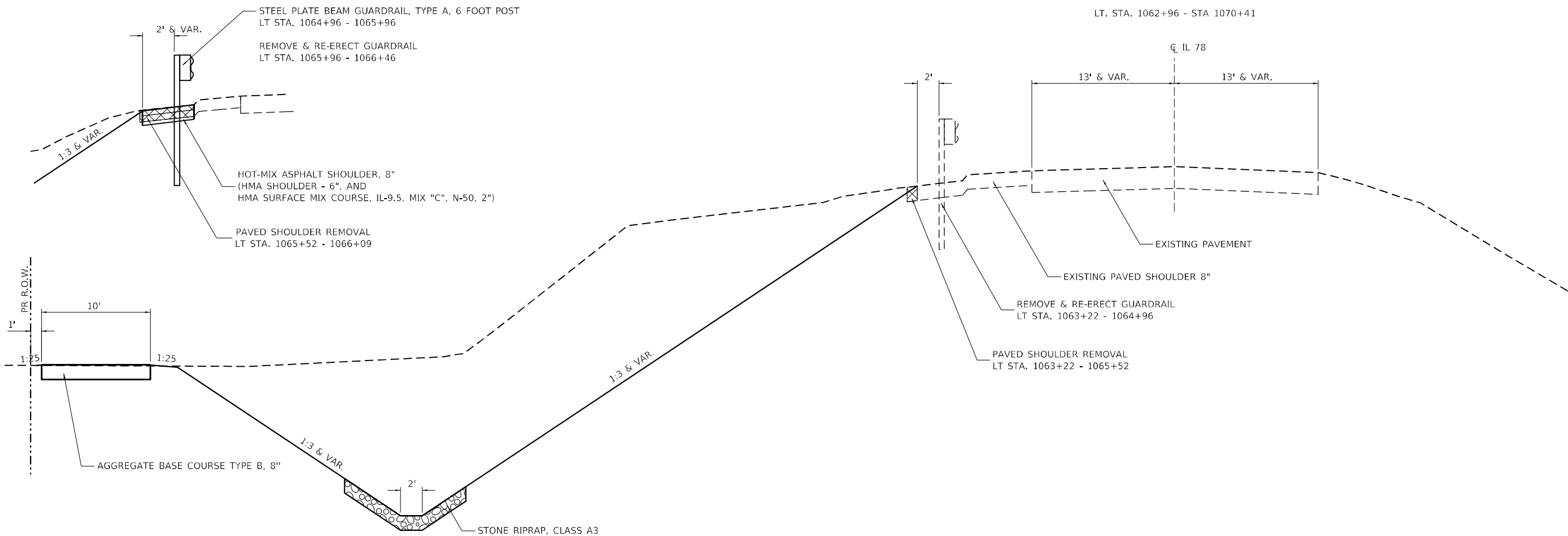
LT. STA. 1061+87 - STA 1062+79

RT. STA. 1056+58 - STA 1062+79.00



LT. STA. 1065+52 - STA 1066+77

LT. STA. 1062+96 - STA 1070+41



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PLOT DATE = 2/8/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 78 TYPICAL SECTIONS			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	125CR	HENRY	34	7
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

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21101615 TOPSOIL FURNISH AND PLACE, 4"				REMARKS
SQ YD	LOCATION	OFFSET		
IL 78				
2678	1056+58 - 1062+43	44.80' - 80.46' RT		
764	1060+87 - 1062+52	62.91' - 70.11' LT		
5184	1062+94 - 1070+55	16.79' - 98.00' LT		
8,627	TOTAL			

25000210 SEEDING, CLASS 2A				REMARKS
ACRE	LOCATION	OFFSET		
IL 78				
0.49	1056+58 - 1062+43	13.28' - 54.07' RT		
0.16	1060+87 - 1062+52	13.04' - 57.91' LT		
0.77	1062+94 - 1070+55	20.67' - 79.26' LT		
1.50	TOTAL			

25000310 SEEDING, CLASS 4				REMARKS
ACRE	LOCATION	OFFSET		
IL 78				
0.07	1056+58 - 1062+43	57.12' - 74.77' RT		
0.00	1060+87 - 1062+52	59.91' - 75.00' LT		
0.30	1062+94 - 1070+55	51.54' - 97.00' LT		
0.50	TOTAL			

25000750 MOWING				REMARKS
ACRE	LOCATION	OFFSET		
IL 78				
0.55	1056+58 - 1062+43	13.28' - 74.77' RT		
0.16	1060+87 - 1062+52	13.04' - 75.00' LT		
1.07	1062+94 - 1070+55	20.67' - 97.00' LT		
2.00	TOTAL			

25100630 EROSION CONTROL BLANKET				REMARKS
SQ YD	LOCATION	OFFSET		
IL 78				
2678	1056+58 - 1062+43	44.80' - 80.46' RT		
712	1060+87 - 1062+52	62.91' - 70.11' LT		
4364	1062+94 - 1070+55	16.79' - 98.00' LT		
7,755	TOTAL			

25100900 TURF REINFORCEMENT MAT				REMARKS
SQ YD	LOCATION	OFFSET		
IL 78				
52	1060+95 - 1062+43	36.11' - 57.91' LT		
820	1063+75 - 1066+76	29.32' - 87.00' LT		
872	TOTAL			

28000250 TEMPORARY EROSION CONTROL SEEDING				REMARKS
POUND	LOCATION	OFFSET		
IL 78				
332	1056+58 - 1062+43	13.28' - 74.77' RT		
95	1060+87 - 1062+52	13.04' - 75.00' LT		
643	1062+94 - 1070+44	20.67' - 97.00' LT		
1070	TOTAL			

28000305 TEMPORARY DITCH CHECKS				REMARKS
FOOT	LOCATION	OFFSET		
IL 78				
10	1057+50	RT		
10	1058+50	RT		
10	1059+50	RT		
10	1060+50	RT		
40	TOTAL			

28000400 PERIMETER EROSION BARRIER				REMARKS
FOOT	LOCATION	OFFSET		
IL 78				
648	1056+58 - 1066+86	44.80' - 80.46' RT		
187	1061+16 - 1062+52	62.91' - 70.11' LT		
455	1062+95 - 1066+86	79.28' - 89.00' LT		
333	1067+16 - 1079+39	40.92' - 91.50' LT		
1,623	TOTAL			

28000500 INLET AND PIPE PROTECTION				REMARKS
EACH	LOCATION	OFFSET		
IL 78				
1	1064+07	55.67' LT		
1	1067+63	58.94' LT		
1	1070+41	32.66' LT		
3	TOTAL			

28000510 INLET FILTERS				REMARKS
EACH	LOCATION	OFFSET		
IL 78				
1	1060+79	47.06' RT		
1	1061+16	56.91' LT		
2	TOTAL			

28100105 STONE RIPRAP, CLASS A3				REMARKS
SQ YD	LOCATION	OFFSET		
IL 78				
25	1062+25 - 1062+40	54.58' RT		
25	1062+36 - 1062+51	64.39' LT		
25	1062+96 - 1063+11	63.43' LT		
361	1064+07 - 1066+38	61.74' - 76.82' LT		
221	1067+63 - 1069+45	61.79' - 58.90' LT		
658	TOTAL			

28200200 FILTER FABRIC				REMARKS
SQ YD	LOCATION	OFFSET		
IL 78				
25	1062+25 - 1062+40	54.58' RT		
25	1062+36 - 1062+51	64.39' LT		
25	1062+96 - 1063+11	63.42' LT		
361	1064+07 - 1066+38	61.74' - 76.82' LT		
221	1067+63 - 1069+45	61.79' - 58.90' LT		
658	TOTAL			

35102000 AGGREGATE BASE COURSE, TYPE B 8"				REMARKS
SQ YD	LOCATION	OFFSET		
IL 78				
380	1065+51 - 1066+86	84.00' - 97.00' LT		ACCESS ROAD
267	1066+72 - 1067+30	90.93' LT		FIELD ENTRANCE
647	TOTAL			

40800025 BITUMINOUS MATERIALS (PRIME COAT)				REMARKS
POUND	LOCATION	OFFSET		
IL 78				
160	1065+52 - 1066+77	24.86' LT		1 APPLICATION
161	TOTAL			

40600290 BITUMINOUS MATERIALS (TACK COAT)				REMARKS
POUND	LOCATION	OFFSET		
IL 78				
32	1065+52 - 1066+77	24.86' LT		2 APPLICATIONS
33	TOTAL			

USER NAME = aterod	DESIGNED -	REVISED -
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/8/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	125CR	HENRY	34	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64P09	

40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50			REMARKS
TON	LOCATION	OFFSET		
	IL 78			
8	1065+52 - 1066+77	24.86' LT		2" THICKNESS
8	TOTAL			

44004250	PAVED SHOULDER REMOVAL			REMARKS
SQ YD	LOCATION	OFFSET		
	IL 78			
72	1063+22 - 1066+09	24.86' LT		
73	TOTAL			

48203021	HOT-MIX ASPHALT SHOULDERS, 6"			REMARKS
SQ YD	LOCATION	OFFSET		
	IL 78			
71	1065+52 - 1066+77	24.86' LT		
72	TOTAL			

50105220	PIPE CULVERT REMOVAL			REMARKS
FOOT	LOCATION	OFFSET		
	IL 78			
154	1060+79 - 1062+33	RT		
120	1061+18 - 1062+38	LT		
737	1063+02 - 1070+39	LT		
1,012	TOTAL			

542D1909	PIPE CULVERTS, CLASS D, TYPE 3 24"			REMARKS
FOOT	LOCATION	OFFSET		
	IL 78			
161	1060+79 - 1062+40	47.08' RT		
135	1061+16 - 1062+51	56.89' -56.91' LT		
104	1062+96 - 1064+00	55.73' -55.93' LT		
111	1066+45 - 1067+56	59.12' - 63.72' LT		
89	1069+50 - 1070+39	31.59' - 51.89' LT		
600	TOTAL			

54260724	SLOPED METAL END SECTION WITH GRATE, STANDARD 542411, 24", 1:6			REMARKS
EACH	LOCATION	OFFSET		
	IL 78			
1	1064+00 - 1064+07	55.67' - 55.73' LT		
1	1066+38 - 1066+45	63.72' - 63.91' LT		
1	1067+56 - 1067+63	58.94 - 59.12' LT		
1	1069+43 - 1069+50	50.54' - 51.94' LT		
4	TOTAL			

60801024	FLAP GATE 24"			REMARKS
EACH	LOCATION	OFFSET		
	IL 78			
1	1062+40	47.08' RT		
1	1062+51	56.89' LT		
1	1062+96	55.93' LT		
3	TOTAL			

63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POST			REMARKS
FOOT	LOCATION	OFFSET		
	IL 78			
100.0	1064+96 - 1065+97	19.89' LT		
100.0	TOTAL			

63301210	REMOVE & REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A			REMARKS
FOOT	LOCATION	OFFSET		
	IL 78			
137.5	1063+59 - 1064+96	21.70' LT		
137.5	TOTAL			

63301990	REMOVE & REERECT TRAFFIC BARRIER TERMINALS, TYPE 1			REMARKS
EACH	LOCATION	OFFSET		
	IL 78			
1	1065+97 - 1066+46	21.89' LT		
1	TOTAL			

63302700	REMOVE & REERECT TRAFFIC BARRIER TERMINALS, TYPE 6			REMARKS
EACH	LOCATION	OFFSET		
	IL 78			
1	1063+22 - 1063+59	47.08' LT		
1	TOTAL			

66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS			REMARKS
EACH	LOCATION	OFFSET		
	IL78			
1	1063+75	85.00'LT		OFFSET IS TO THE PROPOSED ROW PIN
1	1064+50	85.00'LT		OFFSET IS TO THE PROPOSED ROW PIN
1	1065+00	98.00'LT		OFFSET IS TO THE PROPOSED ROW PIN
1	1066+00	98.00'LT		OFFSET IS TO THE PROPOSED ROW PIN
1	1069+50	80.00'LT		OFFSET IS TO THE PROPOSED ROW PIN
1	1070+55	40.00'LT		OFFSET IS TO THE PROPOSED ROW PIN
6	TOTAL			

X0327591	WOOD BOLLARDS AND CABLE			REMARKS
FOOT	LOCATION	OFFSET		
	IL 78			
11	1066+76	81.12' LT		
11	TOTAL			

X6024242	INLETS, SPECIAL, NO. 1			REMARKS
EACH	LOCATION	OFFSET		
	IL 78			
1	1060+79	47.06' RT		
1	1061+16	59.91' LT		
2	TOTAL			

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USER NAME = aterod	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 2/8/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	125CR	HENRY	34	9
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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EARTHWORK SCHEDULE				
20200100				
LOCATION	EARTH EXCAVATION (CUT)	EARTH EXCAVATION ADJUSTMENT 25% SHRINKAGE	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
RURAL MAINLINE (IL 78)				
1056 + 50 - 1062 + 50	23.8	17.8	10.9	7.0
1062 + 50 - 1070 + 50	181.9	136.4	13.1	123.3
TOTAL	210.0	155.0	25.0	130.0

	USER NAME = dterod PLOT SCALE = 100,0000 ' / in. PLOT DATE = 2/8/2022	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EARTHWORK SCHEDULE SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>F.A.P. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>22</td> <td>125CR</td> <td>HENRY</td> <td>34</td> <td>10</td> </tr> <tr> <td colspan="5" style="text-align: center;">CONTRACT NO. 64P09</td> </tr> <tr> <td colspan="5" style="text-align: center;">ILLINOIS FED. AID PROJECT</td> </tr> </table>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	22	125CR	HENRY	34	10	CONTRACT NO. 64P09					ILLINOIS FED. AID PROJECT				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																						
22	125CR	HENRY	34	10																						
CONTRACT NO. 64P09																										
ILLINOIS FED. AID PROJECT																										

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
HEN1	1737273.7795	2366981.7091	626.7612	IL78	1082+83.0008	39.3708' LT	VERTICAL CONTROL STATION, DISK
HEN2	1735321.2545	2367005.6555	620.7060	IL78	1063+30.3515	29.9843' LT	VERTICAL CONTROL STATION, DISK

CURVE POINT NUMBERS

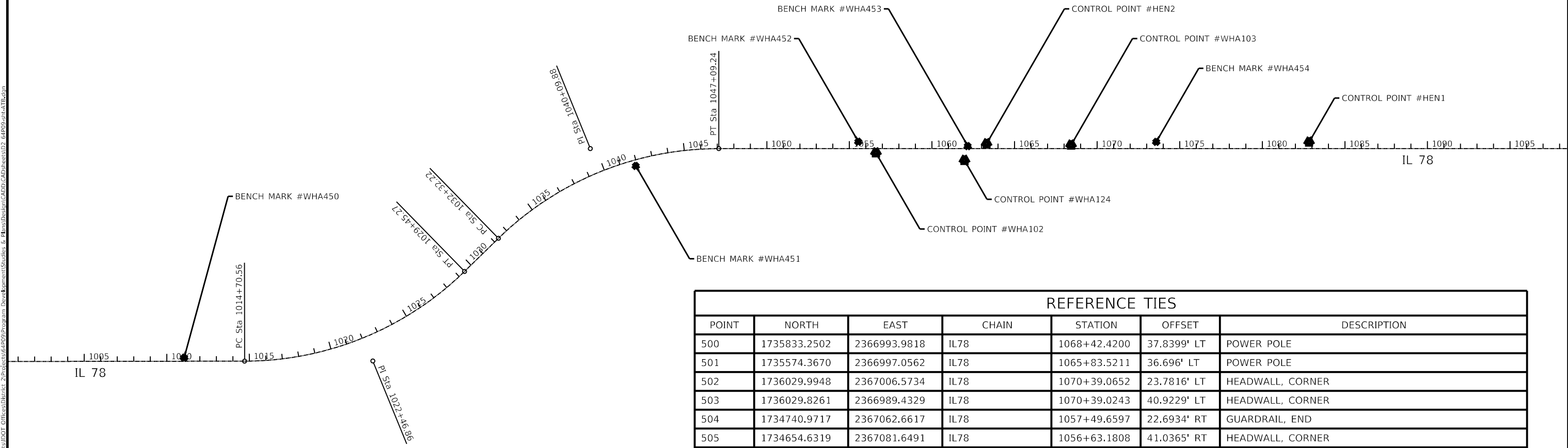
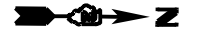
CHAIN	CURVE	PI	CC	PC	PT
IL78	A050240	050240	50241	50242	50243
IL78	A050250	050250	50251	50252	50253
IL78	A050260	050260	50261	50262	50263
IL78	A050270	050270	50271	50272	50273

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
WHA102	1734652.1274	2367066.3683	622.7386	IL78	1056+60.7903	25.7374' RT	GPS CONTROL POINT, PIN
WHA103	1735832.5624	2367010.2315	618.3383	IL78	1068+41.6110	21.5958' LT	GPS CONTROL POINT, PIN
WHA124	1735188.4311	2367107.4306	621.4030	IL78	1061+96.7729	70.7976' RT	GPS CONTROL POINT, PIN

BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
WHA450	1730472.6730	2368337.6852	621.0428	IL78	1011+04.5660	21.6989' LT	CHISELED SQUARE ON HEADWALL E-LEVEL
WHA451	1733198.5914	2367155.0330	622.4557	IL78	1041+90.9285	34.9399' RT	RR SPIKE IN POWER POLE E-LEVEL
WHA452	1734544.6129	2366998.5256	624.2865	IL78	1055+53.7846	42.9051' LT	RR SPIKE IN POWER POLE E-LEVEL
WHA453	1735207.5039	2367020.1805	622.4400	IL78	1062+16.4957	16.3079' LT	CHISELED SQUARE ON HEADWALL E-LEVEL
WHA454	1736348.5841	2366986.4128	616.9127	IL78	1073+57.7960	41.566' LT	RR SPIKE IN POWER POLE E-LEVEL



REFERENCE TIES

POINT	NORTH	EAST	CHAIN	STATION	OFFSET	DESCRIPTION
500	1735833.2502	2366993.9818	IL78	1068+42.4200	37.8399' LT	POWER POLE
501	1735574.3670	2366997.0562	IL78	1065+83.5211	36.696' LT	POWER POLE
502	1736029.9948	2367006.5734	IL78	1070+39.0652	23.7816' LT	HEADWALL, CORNER
503	1736029.8261	2366989.4329	IL78	1070+39.0243	40.9229' LT	HEADWALL, CORNER
504	1734740.9717	2367062.6617	IL78	1057+49.6597	22.6934' RT	GUARDRAIL, END
505	1734654.6319	2367081.6491	IL78	1056+63.1808	41.0365' RT	HEADWALL, CORNER
506	1734650.4437	2367081.7750	IL78	1056+58.9917	41.1311' RT	HEADWALL, CORNER
507	1735070.1032	2367082.0343	IL78	1060+78.6376	44.5197' RT	PIPE CULVERT, END
508	1735208.5080	2367053.2304	IL78	1062+17.2534	16.7486' RT	BRIDGE DECK, CORNER
509	1735182.1717	2367061.5545	IL78	1061+90.8557	24.8761' RT	SHOULDER RIGHT, CORNER

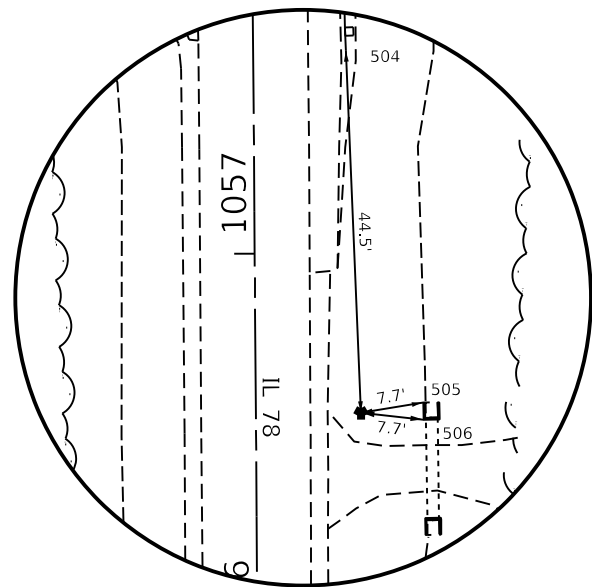
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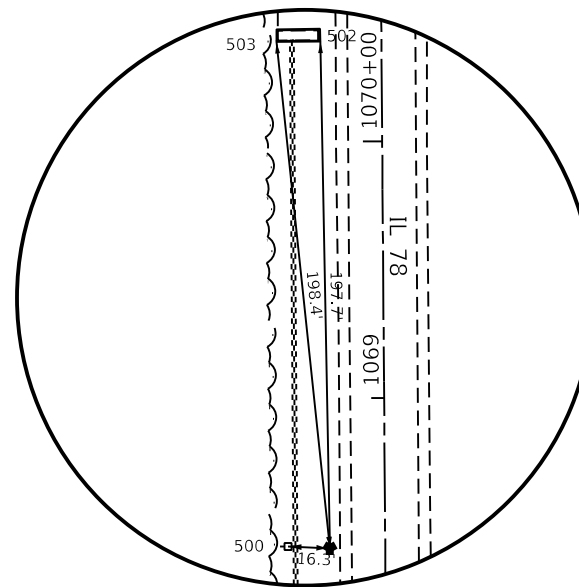
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 HORIZONTAL & VERTICAL CONTROL			
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	STA.	TO STA.	

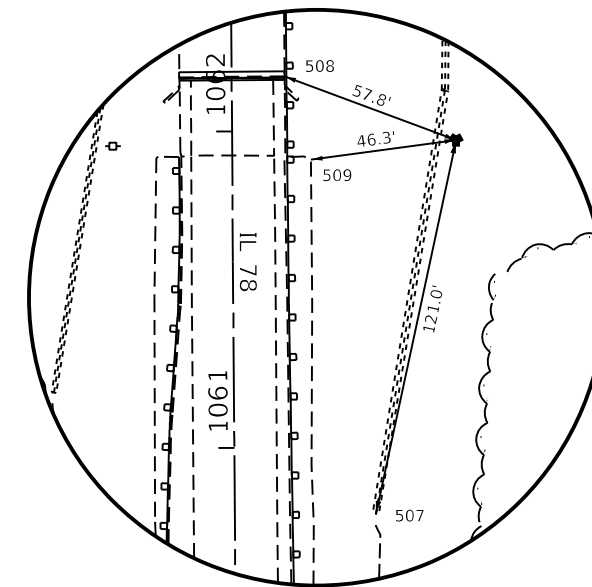
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	125CR	HENRY	34	11
CONTRACT NO. 64P09			ILLINOIS FED. AID PROJECT	



HORIZONTAL CONTROL POINT #WHA102



HORIZONTAL CONTROL POINT #WHA103



HORIZONTAL CONTROL POINT #WHA124

Chain IL78 contains:
A0500073 CUR A050240 CUR A050250 CUR A050260 CUR A050270 A0500074

Beginning chain IL78 description

Point A0500073 N 1,722,818.6068 E 2,368,441.1452 Sta 934+49.7207

Course from A0500073 to PC A050240 359° 29' 34.0350" Dist 711.8061'

Curve Data

Curve A050240
P.I. Station 943+61.8223 N 1,723,730.6727 E 2,368,433.0709
Delta = 2° 00' 10.0920" (LT)
Degree = 0° 30' 00.0464"
Tangent = 200.2956'
Length = 400.5503'
Radius = 11,458.8606'
External = 1.7504'
Long Chord = 400.5300'
Mid. Ord. = 1.7501'
P.C. Station 941+61.5268 N 1,723,530.3850 E 2,368,434.8440
P.T. Station 945+62.0771 N 1,723,930.7761 E 2,368,424.2991
C.C. N 1,723,428.9464 E 2,356,976.4324

Curve Data

Curve A050250
P.I. Station 947+62.3727 N 1,724,130.8795 E 2,368,415.5274
Delta = 2° 00' 10.0916" (RT)
Degree = 0° 30' 00.0463"
Tangent = 200.2956'
Length = 400.5503'
Radius = 11,458.8612'
External = 1.7504'
Long Chord = 400.5300'
Mid. Ord. = 1.7501'
P.C. Station 945+62.0771 N 1,723,930.7761 E 2,368,424.2992
P.T. Station 949+62.6275 N 1,724,331.1672 E 2,368,413.7543
C.C. N 1,724,432.6058 E 2,379,872.1665

Course from PT A050250 to PC A050260 359° 29' 34.0337" Dist 6,507.9276'

Curve Data

Curve A050260
P.I. Station 1022+46.8551 N 1,731,615.1094 E 2,368,349.2712
Delta = 44° 13' 50.0740" (LT)
Degree = 2° 59' 57.3167"
Tangent = 776.3000'
Length = 1,474.7189'
Radius = 1,910.3340'
External = 151.7081'
Long Chord = 1,438.3725'
Mid. Ord. = 140.5467'
P.C. Station 1014+70.5550 N 1,730,838.8398 E 2,368,356.1434
P.T. Station 1029+45.2740 N 1,732,166.5427 E 2,367,802.8620
C.C. N 1,730,821.9286 E 2,366,445.8843

Course from PT A050260 to PC A050270 315° 15' 43.9539" Dist 286.9438'

Curve Data

Curve A050270
P.I. Station 1040+09.8788 N 1,732,922.7692 E 2,367,053.5257
Delta = 44° 18' 38.0037" (RT)
Degree = 2° 59' 59.9959"
Tangent = 777.6610'
Length = 1,477.0191'
Radius = 1,909.8600'
External = 152.2559'
Long Chord = 1,440.4852'
Mid. Ord. = 141.0141'
P.C. Station 1032+32.2178 N 1,732,370.3691 E 2,367,600.8928
P.T. Station 1047+09.2369 N 1,733,700.4086 E 2,367,047.7269
C.C. N 1,733,714.6497 E 2,368,957.5339

Course from PT A050270 to A0500074 359° 34' 21.9492" Dist 23,049.3221'

Point A0500074 N 1,756,749.0899 E 2,366,875.8571 Sta 1277+58.5590

Ending chain IL78 description

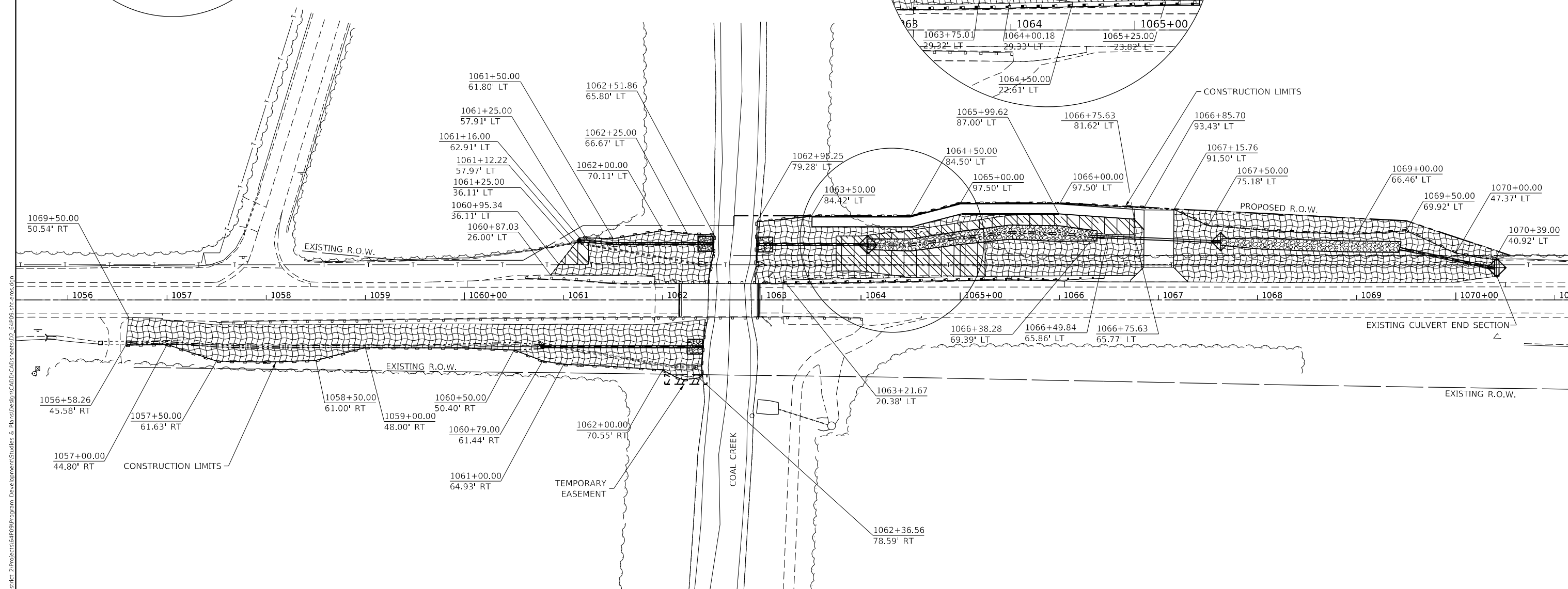
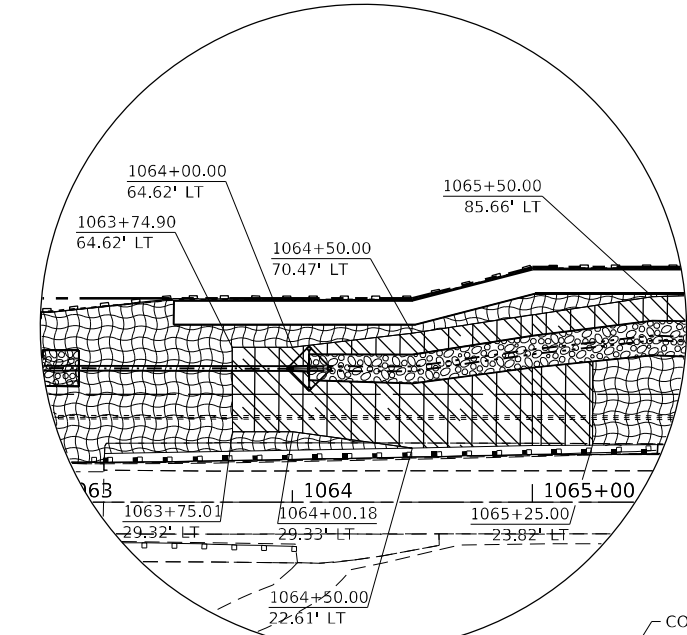
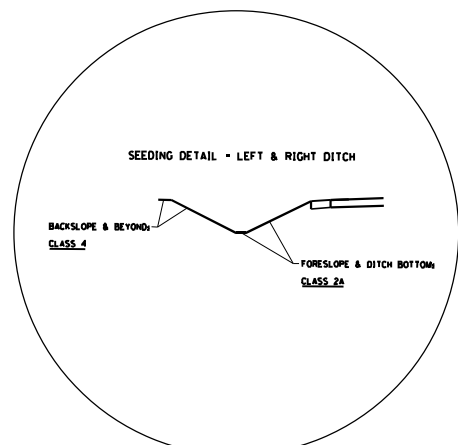
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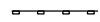
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 78 HORIZONTAL & VERTICAL CONTROL			
SCALE:	SHEET 2	OF 2	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	125CR	HENRY	34	12
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				



LEGEND

-  TURF REINFORCEMENT MAT (SLOPES STEEPER THAN 3:1)
-  EROSION CONTROL BLANKET (SLOPES 3:1 OR BETTER)
-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER

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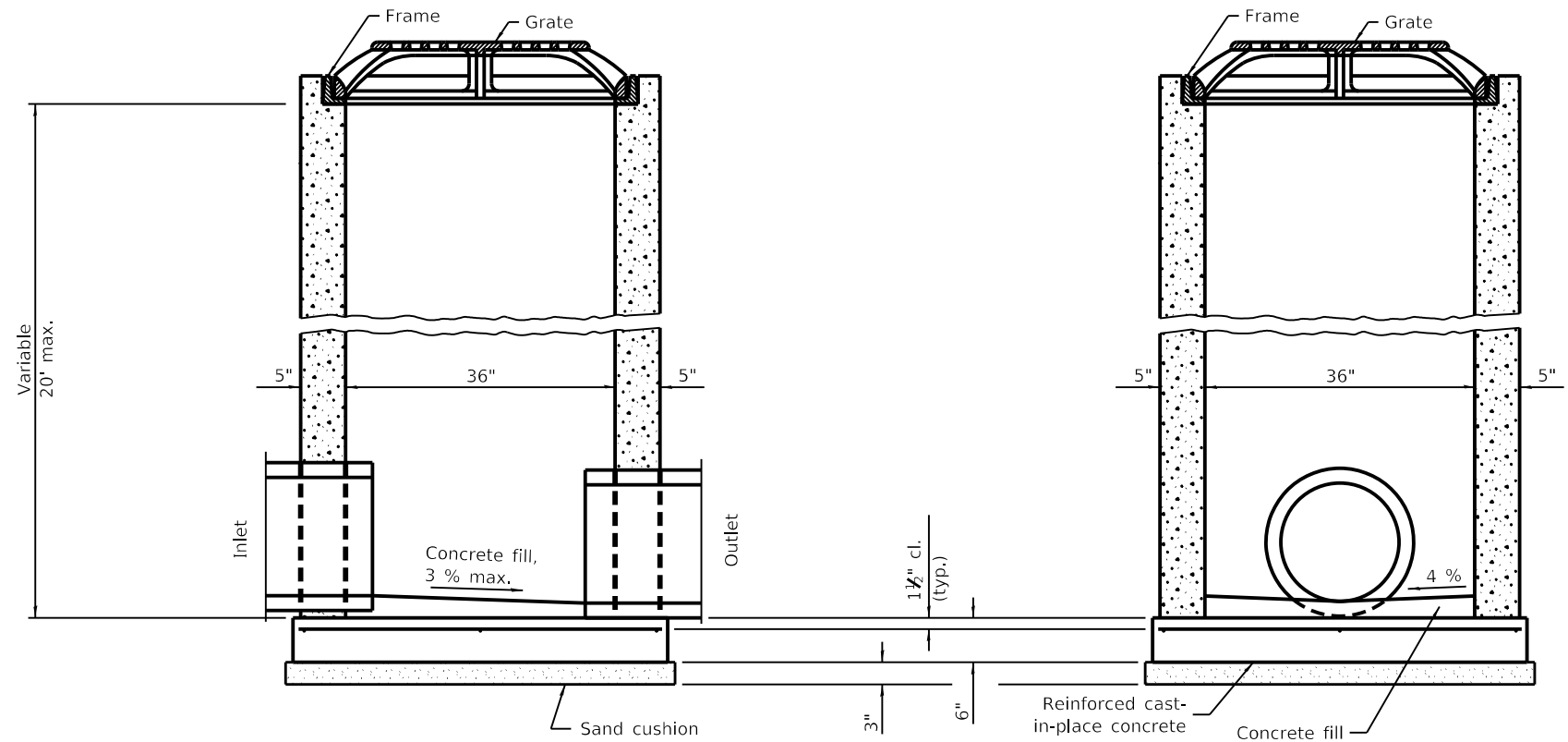
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 78 EROSION CONTROL

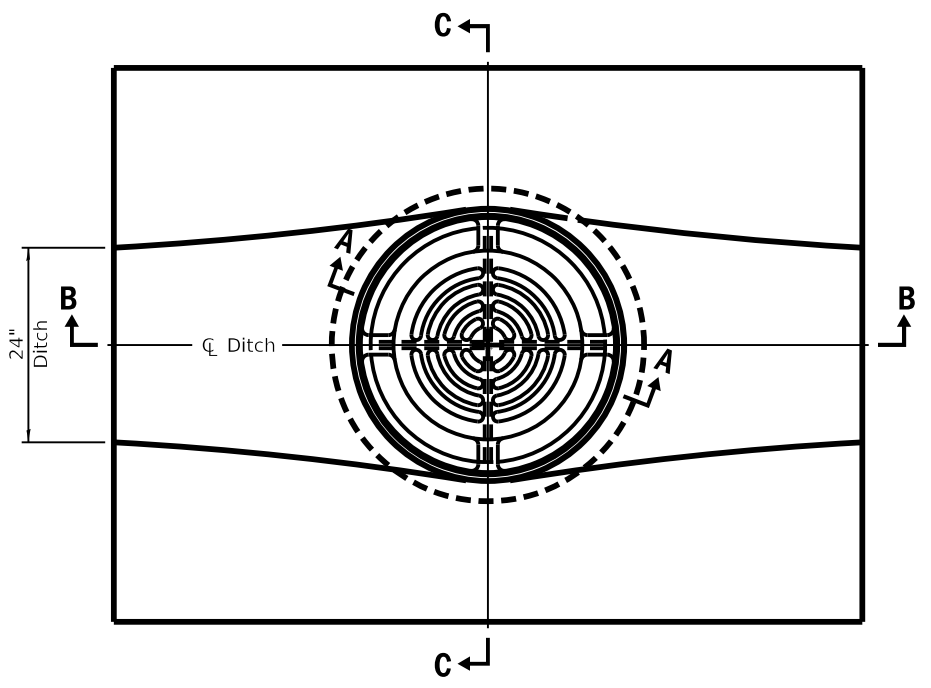
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

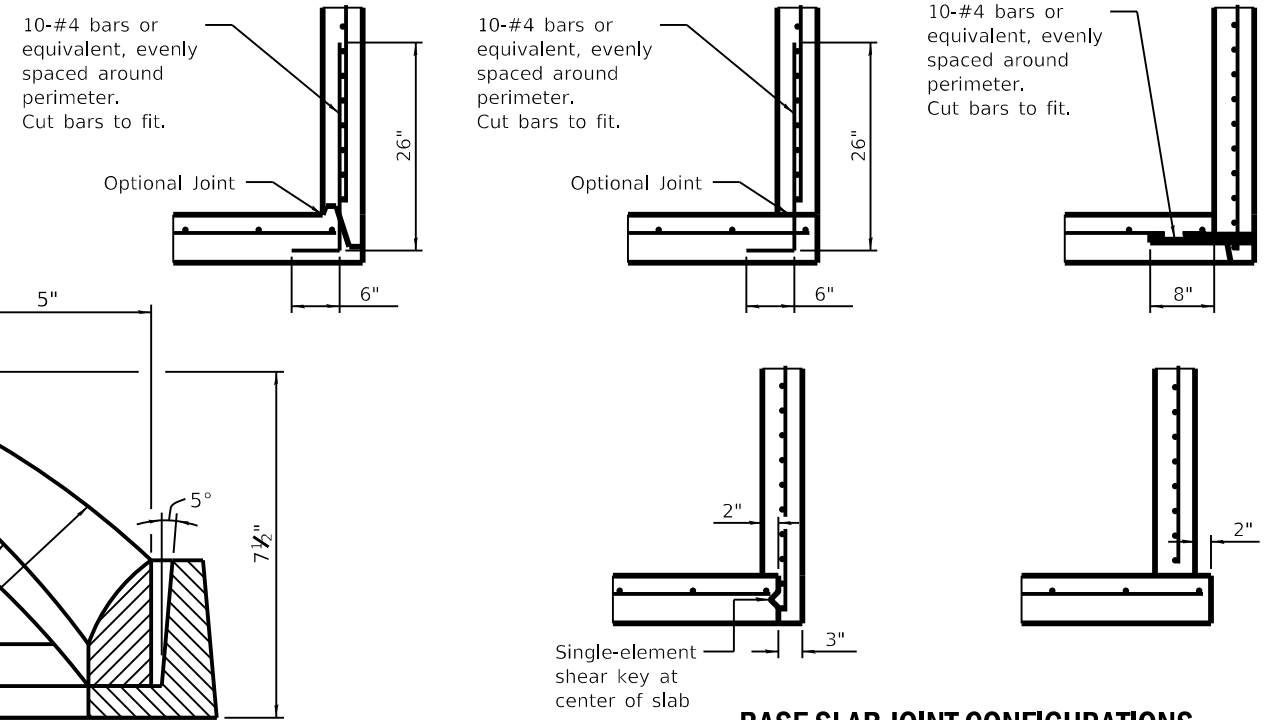


SECTION B-B

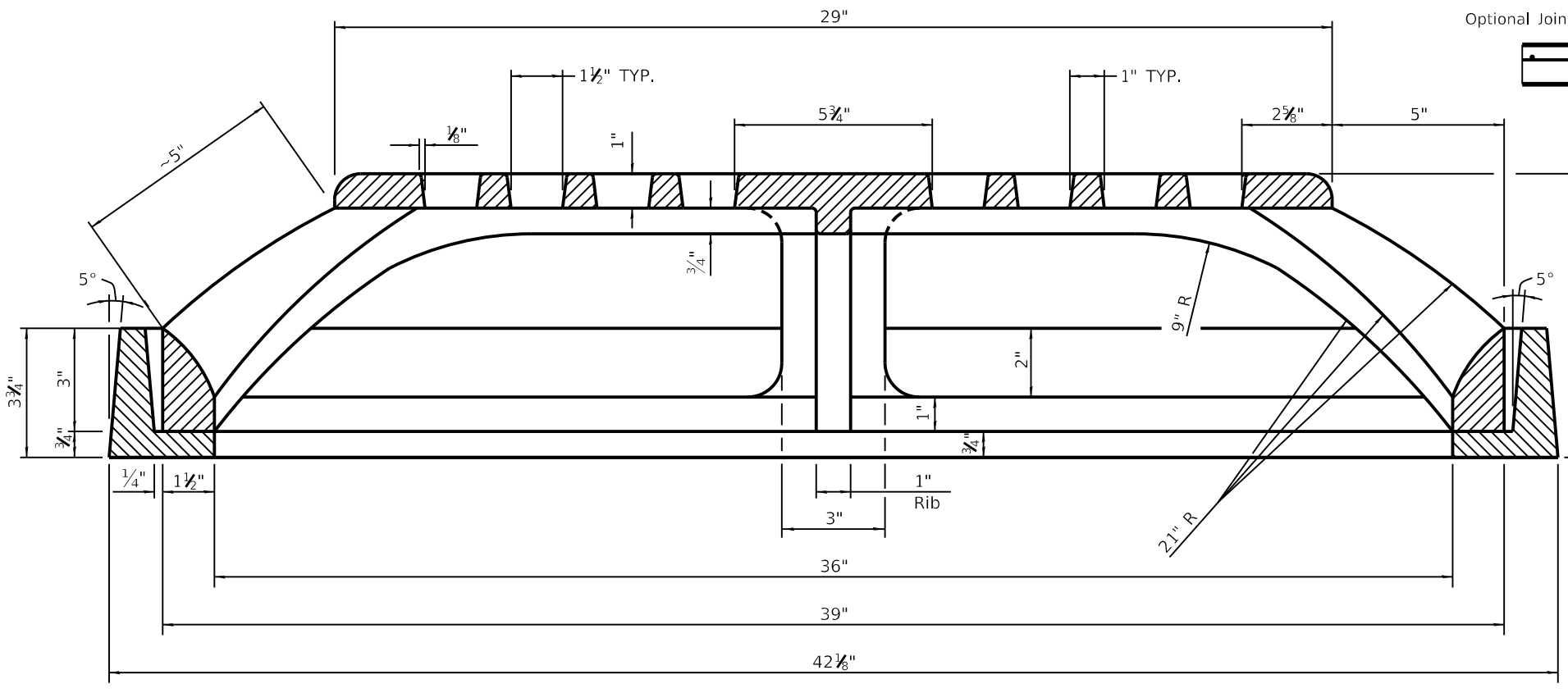
SECTION C-C



LOCATION SKETCH - PLAN



BASE SLAB JOINT CONFIGURATIONS



SECTION A-A

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft. in both directions with a maximum spacing of 12".

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

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

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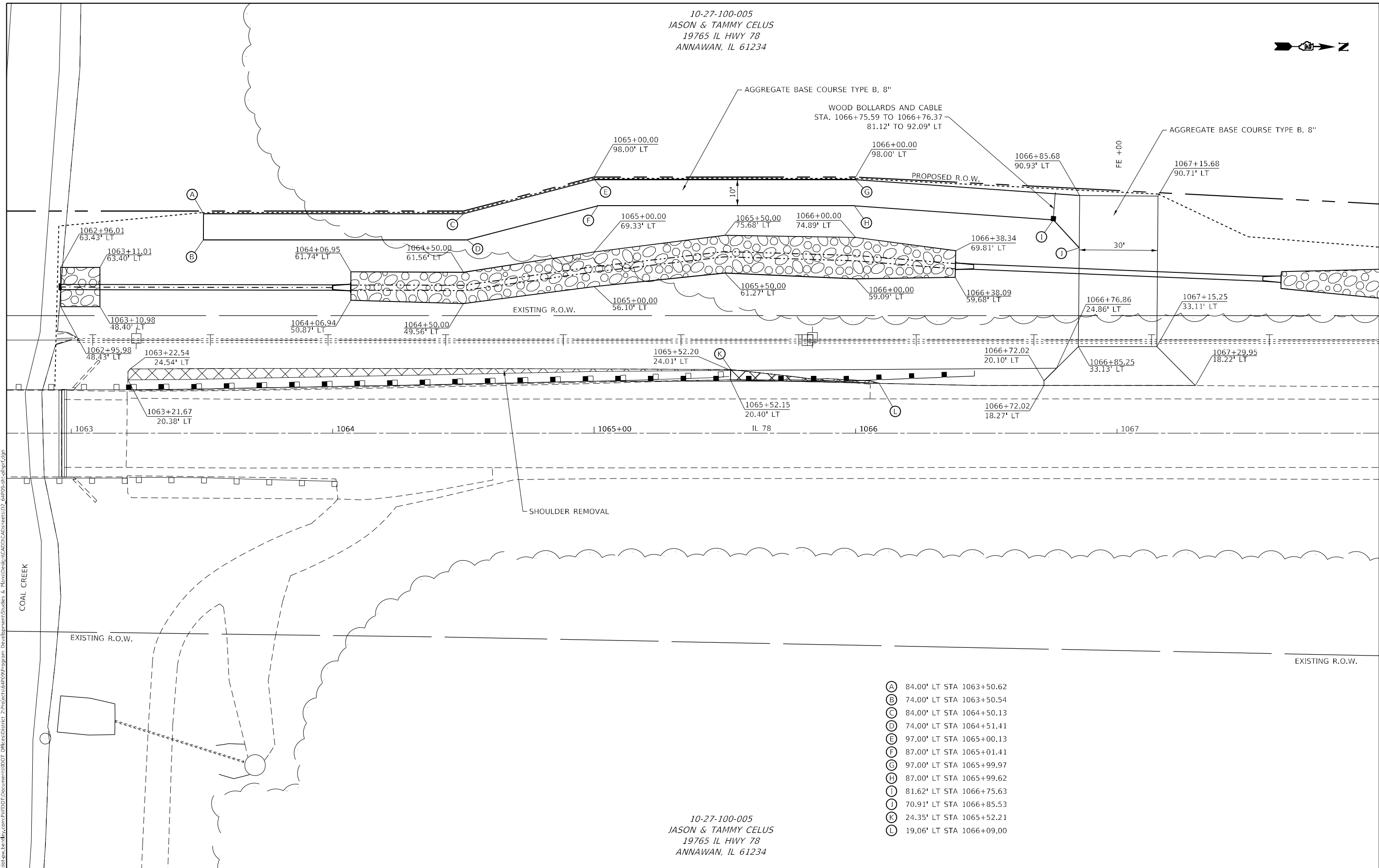
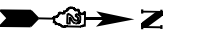
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INLETS, SPECIAL, NO. 1

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	125CR	HENRY	34	15
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

10-27-100-005
 JASON & TAMMY CELUS
 19765 IL HWY 78
 ANNAWAN, IL 61234



- (A) 84.00' LT STA 1063+50.62
- (B) 74.00' LT STA 1063+50.54
- (C) 84.00' LT STA 1064+50.13
- (D) 74.00' LT STA 1064+51.41
- (E) 97.00' LT STA 1065+00.13
- (F) 87.00' LT STA 1065+01.41
- (G) 97.00' LT STA 1065+99.97
- (H) 87.00' LT STA 1065+99.62
- (I) 81.62' LT STA 1066+75.63
- (J) 70.91' LT STA 1066+85.53
- (K) 24.35' LT STA 1065+52.21
- (L) 19.06' LT STA 1066+09.00

10-27-100-005
 JASON & TAMMY CELUS
 19765 IL HWY 78
 ANNAWAN, IL 61234

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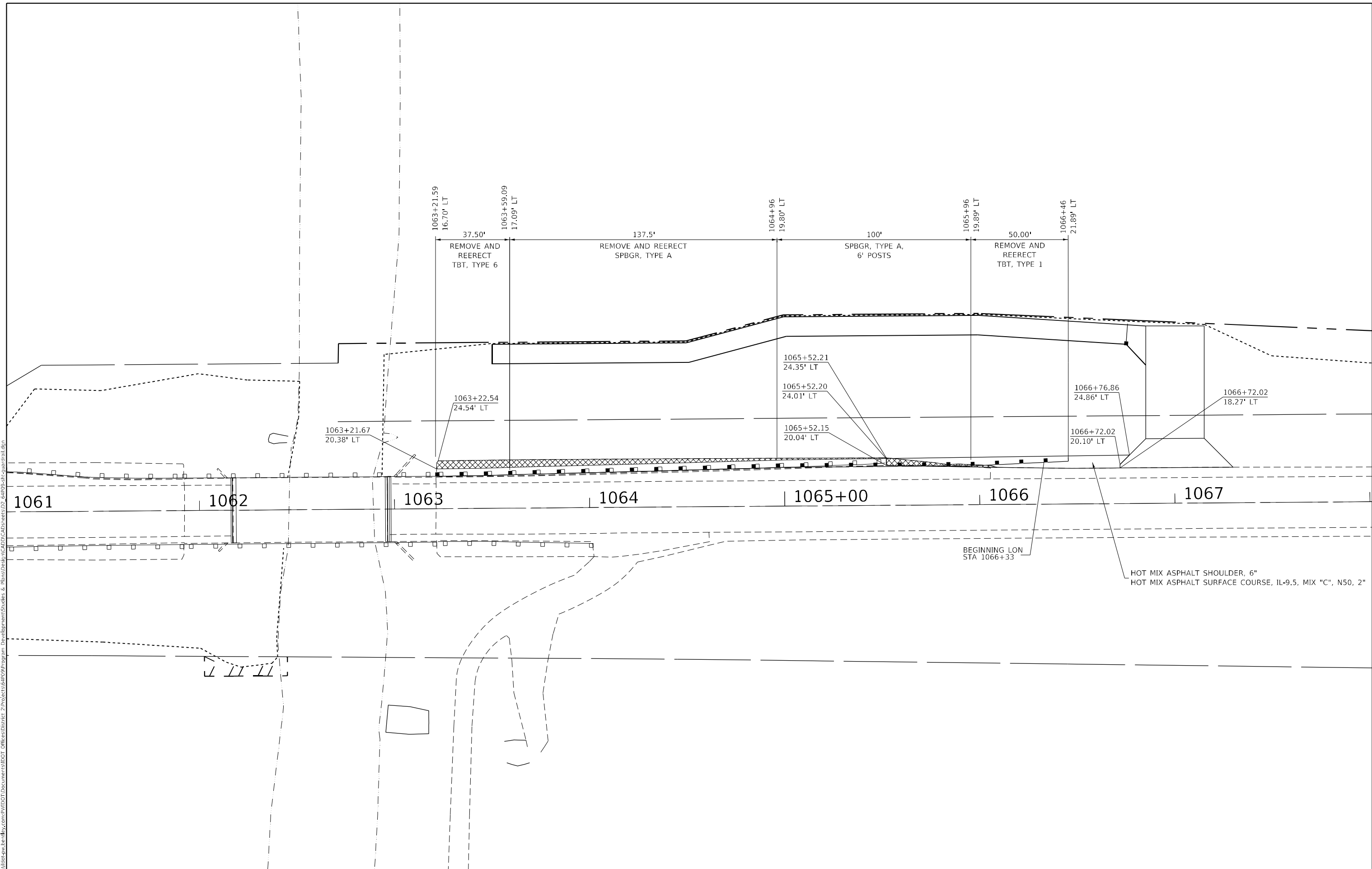
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ACCESS ROAD DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	125CR	HENRY	34	16
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

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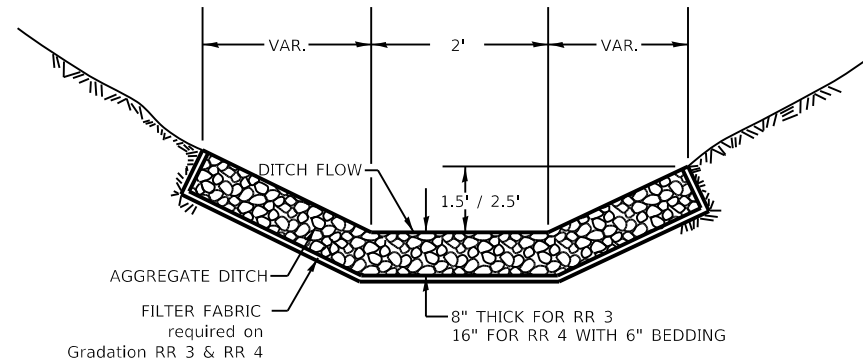
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE. 22	SECTION 125CR	COUNTY HENRY	TOTAL SHEETS 34	SHEET NO. 17
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

AGGREGATE DITCH FOR FLEXIBLE DITCH LINING



AGGREGATE DITCH
 FILTER FABRIC required on Gradation RR 3 & RR 4
 8" THICK FOR RR 3
 16" FOR RR 4 WITH 6" BEDDING

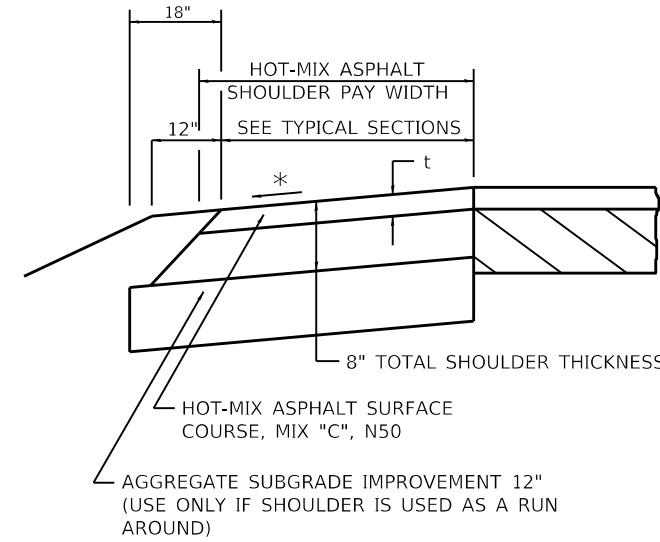
THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 281. AGGREGATE DITCH WILL BE MEASURED FOR PAYMENT IN PLACE AND THE AREA COMPUTED IN SQUARE YARDS OF ACTUAL SURFACE AREA. AGGREGATE DITCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR STONE RIPRAP CLASS A3 OR STONE RIPRAP CLASS A4 THE FILTER FABRIC SHALL BE ACCORDING TO SECTION 282. FILTER FABRIC WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR FILTER FABRIC.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 7-05-12

AGGREGATE DITCH FOR FLEXIBLE DITCH LINING 21.4

HOT-MIX ASPHALT SHOULDER



t = SEE TYPICAL SECTIONS FOR THICKNESS

GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.

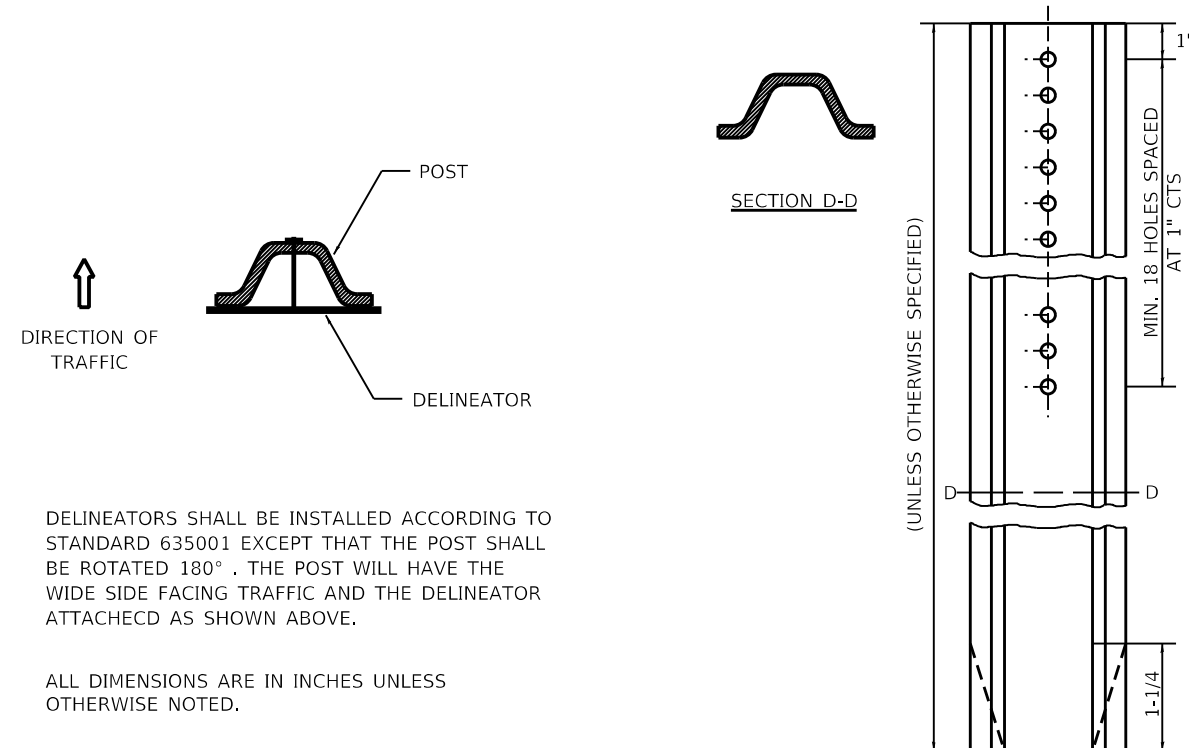
REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 1-05-16
 REVISED - 3-13-13

HOT-MIX ASPHALT SHOULDER 22.4

DELINEATOR AND POST ORIENTATION



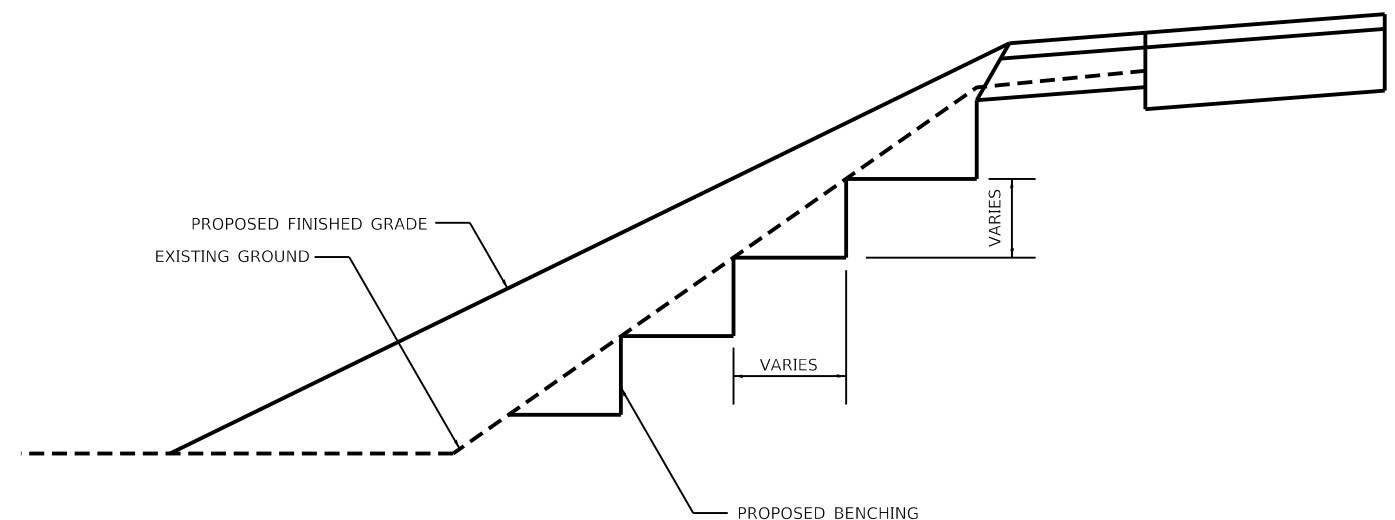
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

DELINEATOR AND POST ORIENTATION 37.4

TYPICAL BENCHING ON EXISTING EMBANKMENT

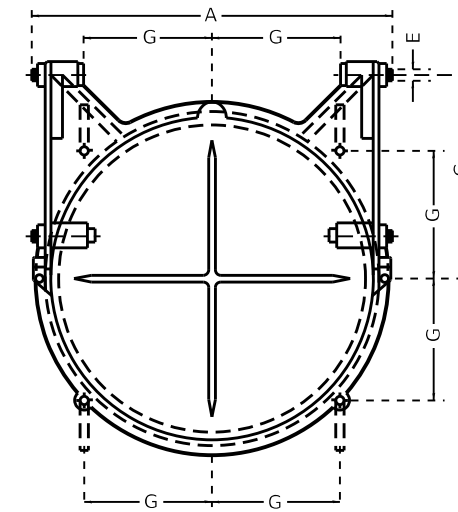


REVISED - 2-22-06	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		22	125CR	HENRY	34	18
REVISED -		CONTRACT NO. 64P09				
REVISED -		SCALE: 100.0000' / 1" = 100'	SHEET 1	OF 10 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT

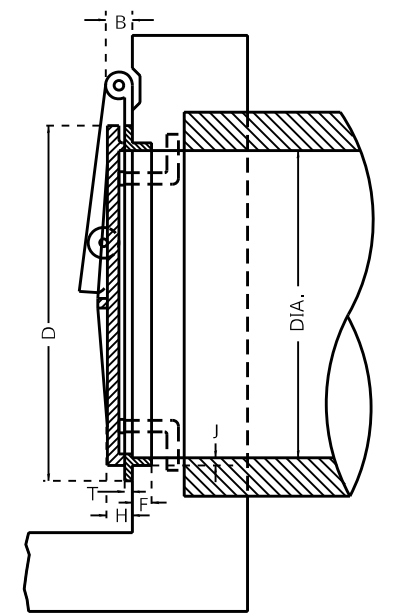
TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

FILE NAME: p:\11\dot-ew-henry\11\100\1100\Documents\1100T\Office\Bentley\2\Projects\64P09\Program Development\Studies & Plans\Design\CADD\CADD\Drawings\02_64P09-sht-d-1100.dgn
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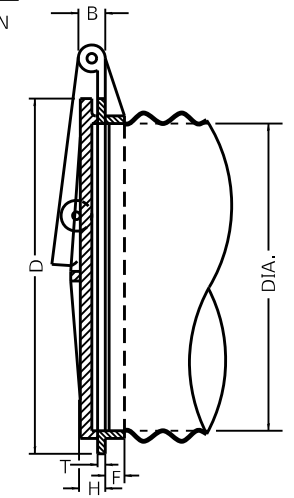
AUTOMATIC FLAP GATE



FRONT ELEVATION



SECTION



SECTION SHOWING METHOD OF APPLICATION TO CORRUGATED METAL PIPE

IT IS INTENDED THAT THE AUTOMATIC FLAP GATES SHALL BE A COMMERCIAL PRODUCT PRODUCED BY A RELIABLE MANUFACTURER. THE GATE MAY BE MADE OF CAST IRON, CAST STEEL OR OTHER SUITABLE MATERIALS. THE DESIGN MAY DIFFER FROM THE DRAWING IF IT WILL WORK IN A SATISFACTORY, TROUBLE FREE MANNER AND WILL WITHSTAND THE WATER PRESSURE AT THE INSTALLATION LOCATION. THE GATE SHALL BE APPROVED BY THE ENGINEER.

THE SIZE OF AUTOMATIC FLAP GATES SHALL REFER TO THE DIAMETER OF THE OUTLET PIPE OR OPENING.

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR FLAP GATE OF THE SIZE SPECIFIED AND SHALL INCLUDE ALL MATERIALS AND COMPLETE INSTALLATION.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TABLE OF DIMENSIONS

DIAM	A	B	C	D	E	F	G	H	J	T
8	10 3/4	1 3/8	5 11/16	10	1/2	1 1/8	3 9/16	1 1/4	3/8	3/8
10	12 3/4	1 3/8	7 1/8	12 1/4	1/2	1 1/8	4 3/8	1 1/2	1/2	7/16
12	14 3/4	1 3/8	8 1/2	14 1/2	1/2	1 1/8	5 1/8	1 1/2	1/2	1/2
14	17 1/4	1 3/8	9 5/8	16 3/4	1/2	1 1/4	5 15/16	1 1/2	1/2	9/16
15	17 3/4	1 3/8	10 3/8	17 3/4	1/2	1 1/4	6 1/4	1 1/2	1/2	9/16
16	19 1/4	1 3/8	11 1/4	18 3/4	1/2	1 1/4	6 7/8	1 1/2	1/2	9/16
18	22 1/4	2	12 5/8	21	3/4	1 9/16	7 1/16	1 3/4	9/16	9/16
20	24 3/4	2	14 1/8	23 3/4	3/4	1 3/8	8 1/4	1 3/4	5/8	5/8
21	25 1/4	2	14 1/8	24 1/4	3/4	1 3/8	8 9/16	1 3/4	5/8	5/8
24	28 1/4	2	17	27 1/2	3/4	1 1/2	9 3/4	1 3/4	5/8	5/8
30	35 1/4	2 1/2	20 1/2	34	1	1 9/16	12	2	1 1/16	5/8
36	41 1/2	2 1/2	25	40 7/8	1	2 1/16	14 1/16	2 1/4	1 1/8	1 1/16
42	47 1/2	2 1/2	29 3/4	47	1	2 5/16	16 5/8	2 1/4	1 1/8	3/4
48	53 1/2	2 1/2	34	54	1	2 3/4	19 1/16	2 1/4	1 1/8	3/4
54	60 3/4	2 1/2	38	62 1/4	1 1/4	2 3/4	22	3	1 1/2	7/8
60	67	2 1/2	42	68 1/2	1 1/4	2 3/4	24 1/4	3	1 1/2	15/16
66	73 3/8	2 1/2	47	75	1 1/4	2 7/8	26 1/2	3	1 1/2	1
72	79	2 1/2	51	82	1 1/4	3	29	3	1 1/2	1
78	86	2 1/2	55 1/4	88 3/4	1 1/4	3 1/2	31 3/8	3	1 5/8	1 1/8
84	92 1/2	3 1/2	59 1/2	95 1/2	1 1/2	3 1/2	33 3/4	3	1 3/4	1 1/4

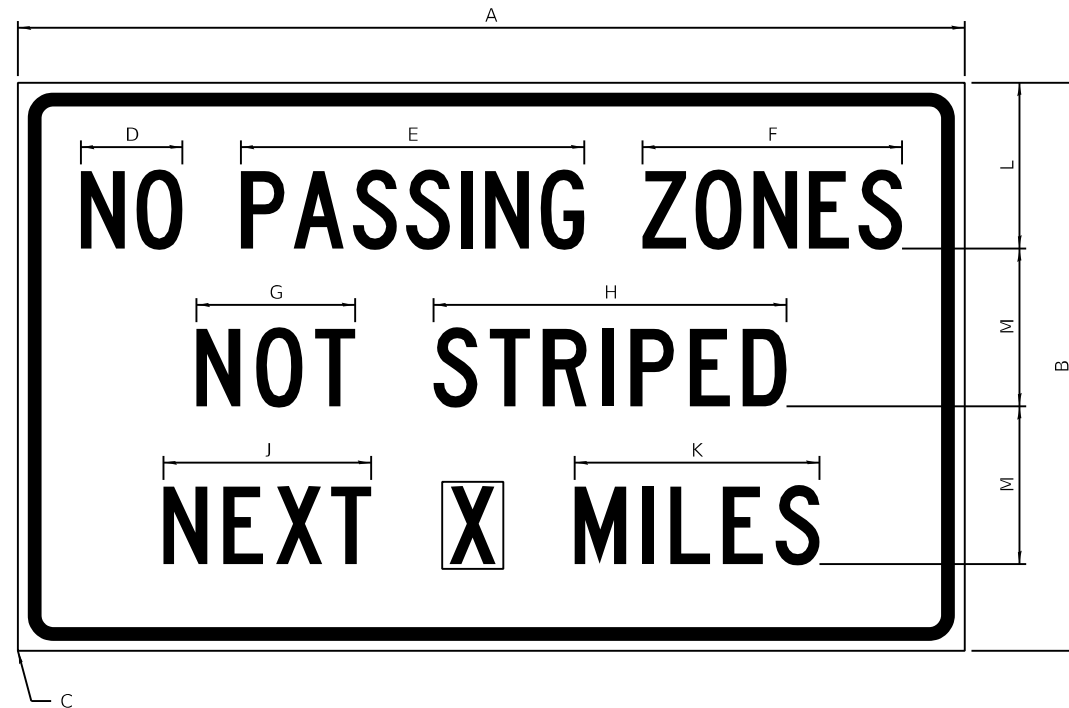
REVISED - 10-14-11	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		22	125CR	HENRY	34	19
REVISED -		CONTRACT NO. 64P09				
REVISED -		ILLINOIS FED. AID PROJECT				

SCALE: 100.0000' / 16 SHEET 2 OF 10 SHEETS STA. TO STA.

FILE NAME: p:\bldg\sw\hcn\hcn\p09\07\Documents\DOT Offices\District 2\Projects\64P09\Program Development\Studies & Plans\Design\CADD\CADD Sheets\07_64P09-sht-d-01a.dgn
PLOT DATE: 10/23/11 10:23:15 AM

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



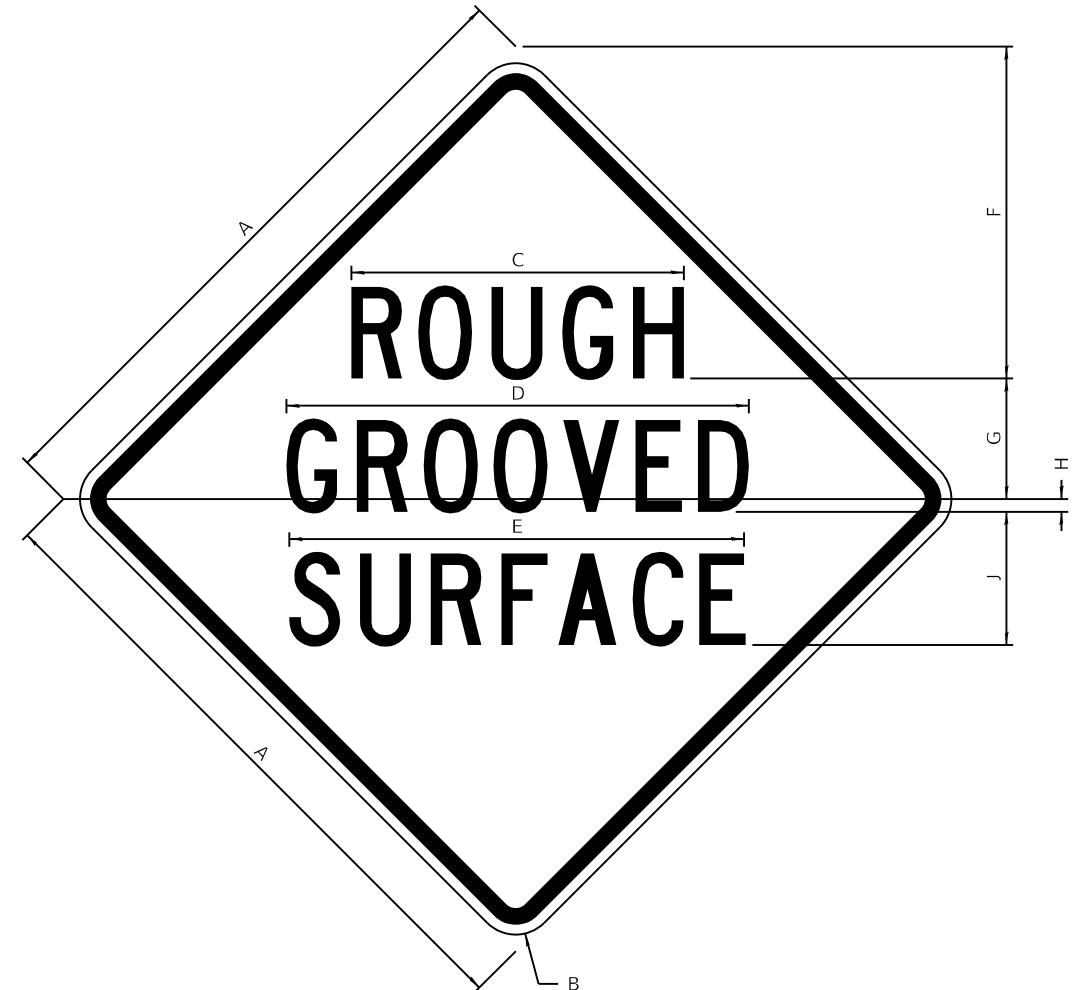
COLOR LEGEND AND BORDER BLACK NON-REFLECTORIZED
 BACKGROUND ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

ILLINOIS STANDARD W8-I107



COLOR LEGEND AND BORDER BLACK NON-REFLECTORIZED
 BACKGROUND ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS									
	A	B	C	D	E	F	G	H	J	
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00	

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

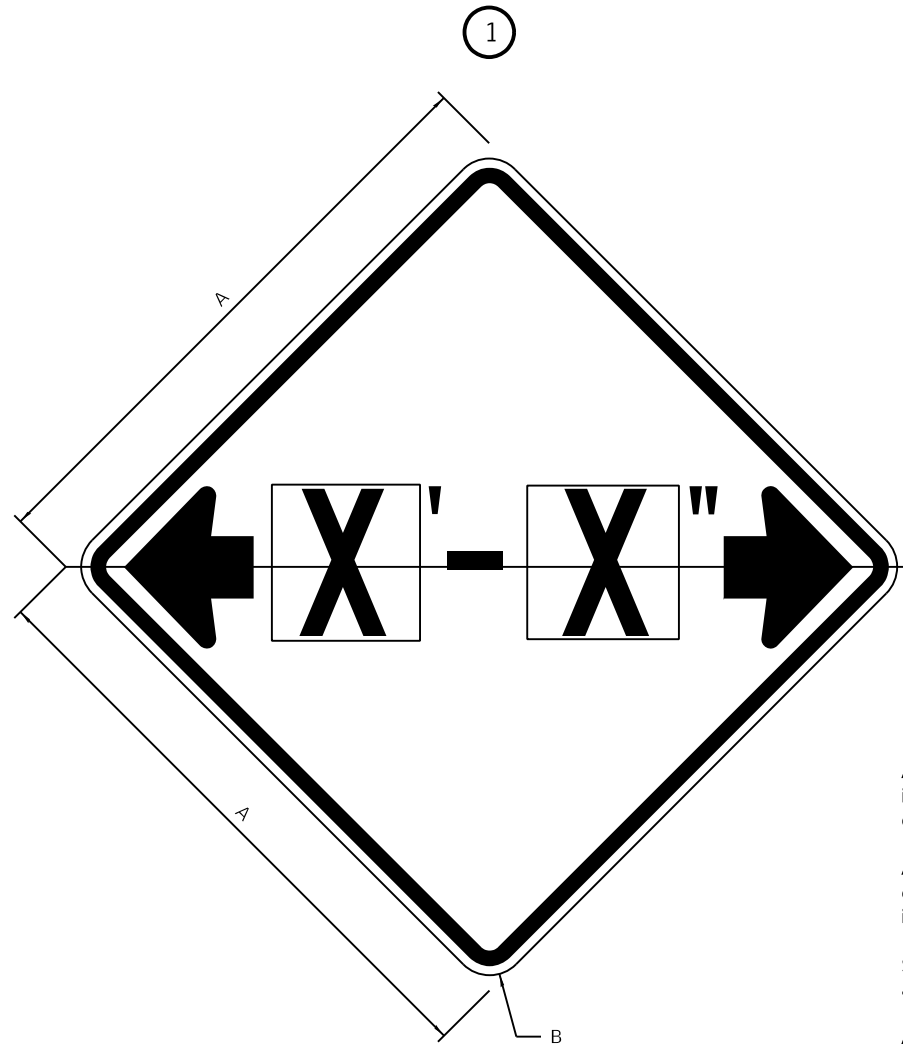
Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

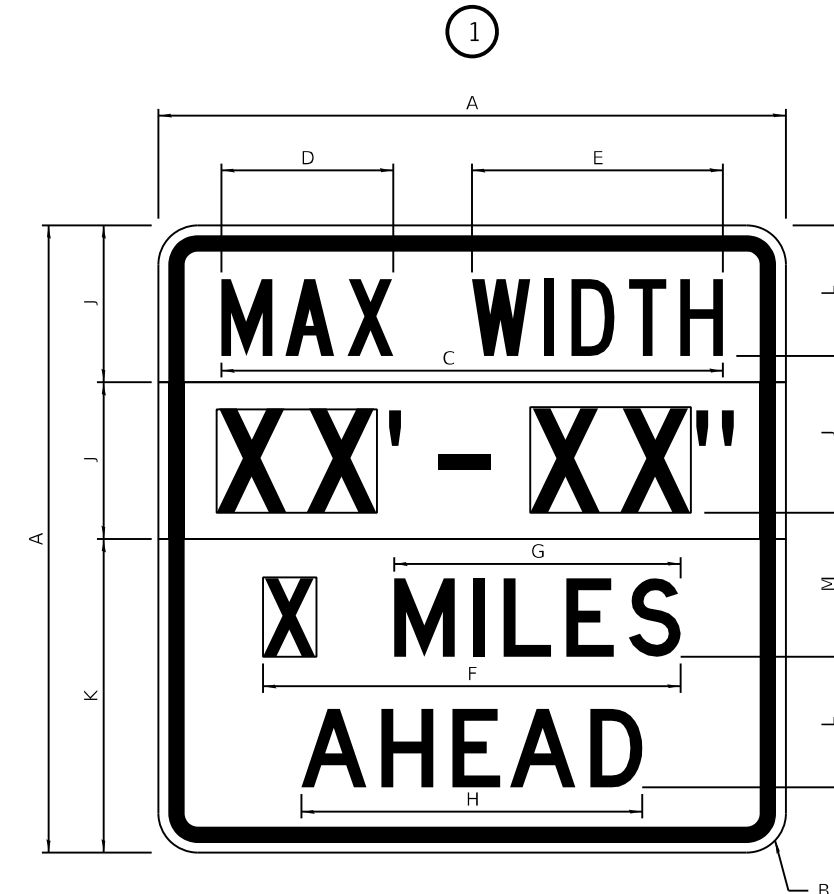
FILE NAME: pw:\ildot-pw.bentley.com:PWIDOT\Documents\DOT Offices\District 2\Projects\64P09\Program\Drawings\Studies & Plans\Design\CADD\CAD\Sheet-details.dgn	USER NAME = bartonw	DESIGNED -	REVISED - 3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE. = 22	SECTION = 125CR	COUNTY = HENRY	TOTAL SHEETS = 34	SHEET NO. = 20
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 64P09									
PLOT DATE = Dec-10-2021 01:23:36 PM	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									
SCALE: SHEET 3 OF 10 SHEETS STA. TO STA.												

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-I102



ILLINOIS STANDARD W12-I103



GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

COLOR LEGEND AND BORDER BACKGROUND BLACK FL ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

① Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

COLOR LEGEND AND BORDER BACKGROUND BLACK WHITE NON-REFLECTORIZED REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

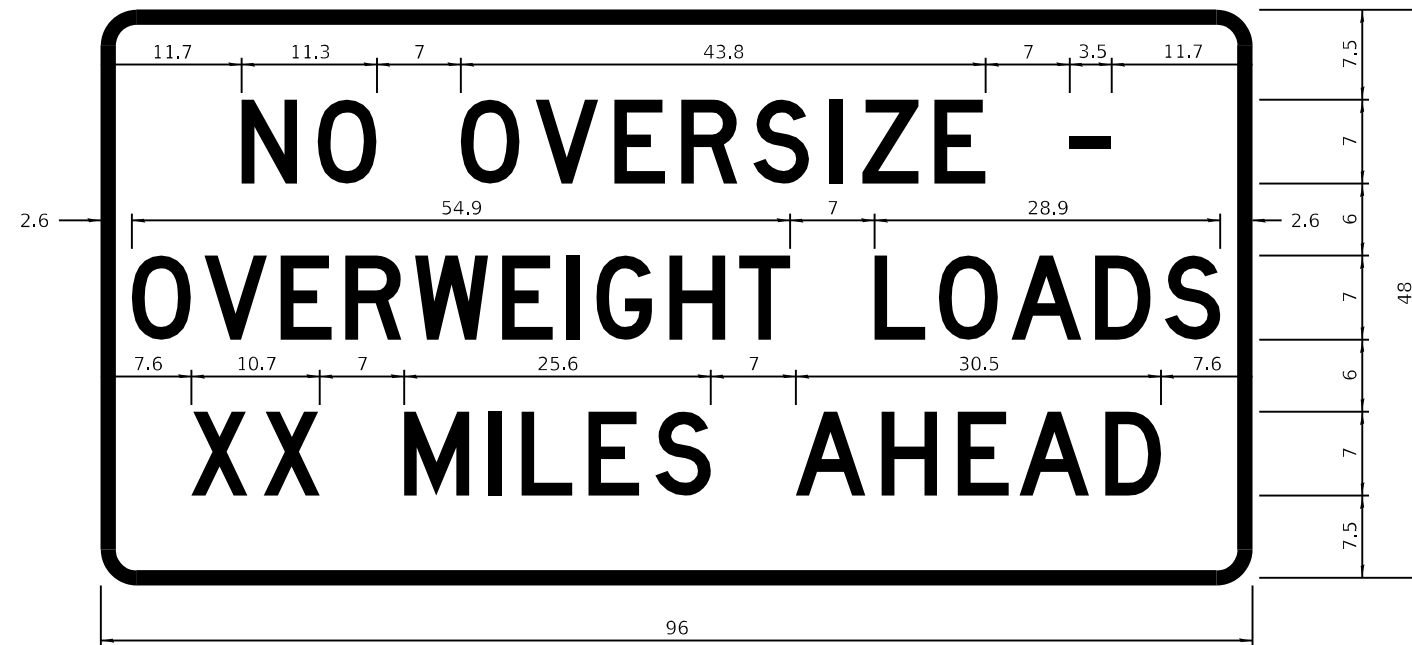
XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

USER NAME = bartonw	DESIGNED -	REVISED - 3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE. 22	SECTION 125CR	COUNTY HENRY	TOTAL SHEETS 34	SHEET NO. 21
FILE NAME: pw:\dot-pw.bentley.com:PWIDOT\Documents\DOT Offices\District 2\Projects\64P09\Program Development\Studies & Plans\Design\CADD\CAD\Sheet-Details.dgn	CHECKED -	REVISED -		SCALE:	SHEET 4 OF 10 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 64P09				
PLOT SCALE = 100.0000' / in.	DATE -	REVISED -									

WORK ZONE SIGN DETAILS

ROAD CLOSED TO OVERSIZED LOADS

STOP LINE SIGN FOR TEMPORARY SIGNALS



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

COLOR LEGEND AND BORDER BACKGROUND BLACK WHITE NON-REFLECTORIZED REFLECTORIZED

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;
 [NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;
 Table of letter and object lefts.

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

Sign not to scale

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

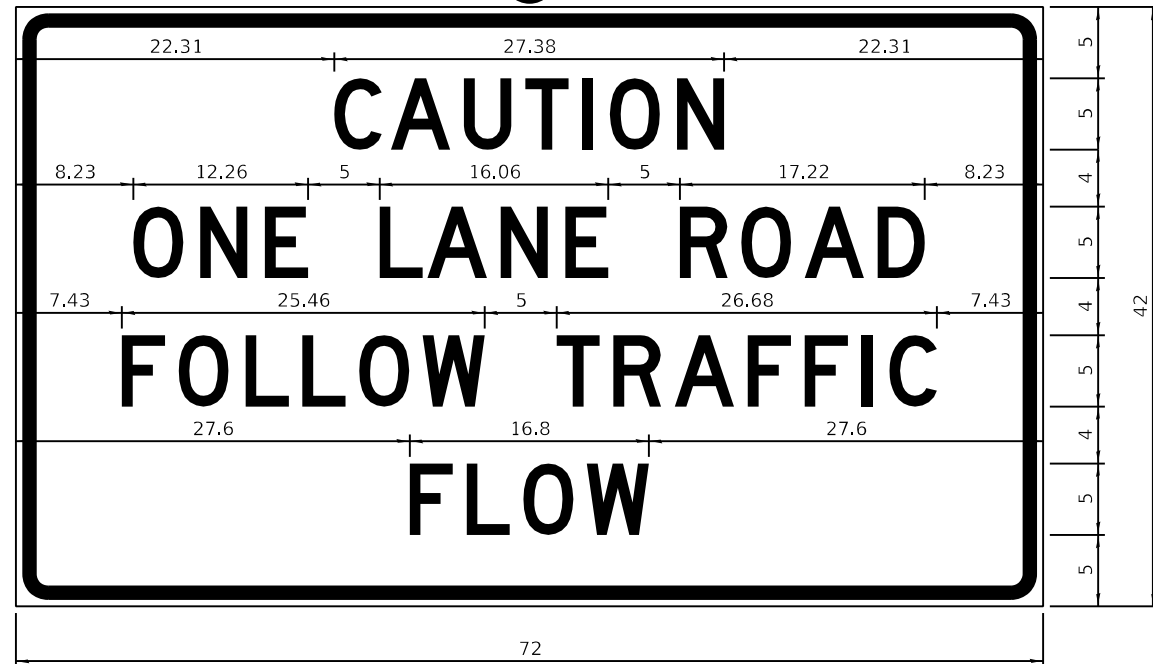
All dimensions are in inches unless otherwise noted.

FILE NAME: pw:\dot-pw\entley.com:PWIDOT\Documents\DOT Offices\District 2\Projects\64P09\Program\Drawings\Studies & Plans\Design\CADD\CADsheets\sheet-details.dgn	USER NAME = bartonrw	DESIGNED -	REVISED - 3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE. = 22	SECTION = 125CR	COUNTY = HENRY	TOTAL SHEETS = 34	SHEET NO. = 22
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	SCALE: SHEET 5 OF 10 SHEETS STA. TO STA.					CONTRACT NO. 64P09				
PLOT DATE = Dec-10-2021 01:24:03 PM	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									

**ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS**

WORK ZONE SIGN DETAILS

②



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent;
[CAUTION] D; [ONE LANE ROAD] D;
[FOLLOW TRAFFIC] D; [FLOW] D

② This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

Table Of Widths And Spaces

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
-------	---	------	------	---	------	------	---	------	------	---	------	-------

Sign not to scale

GENERAL NOTES

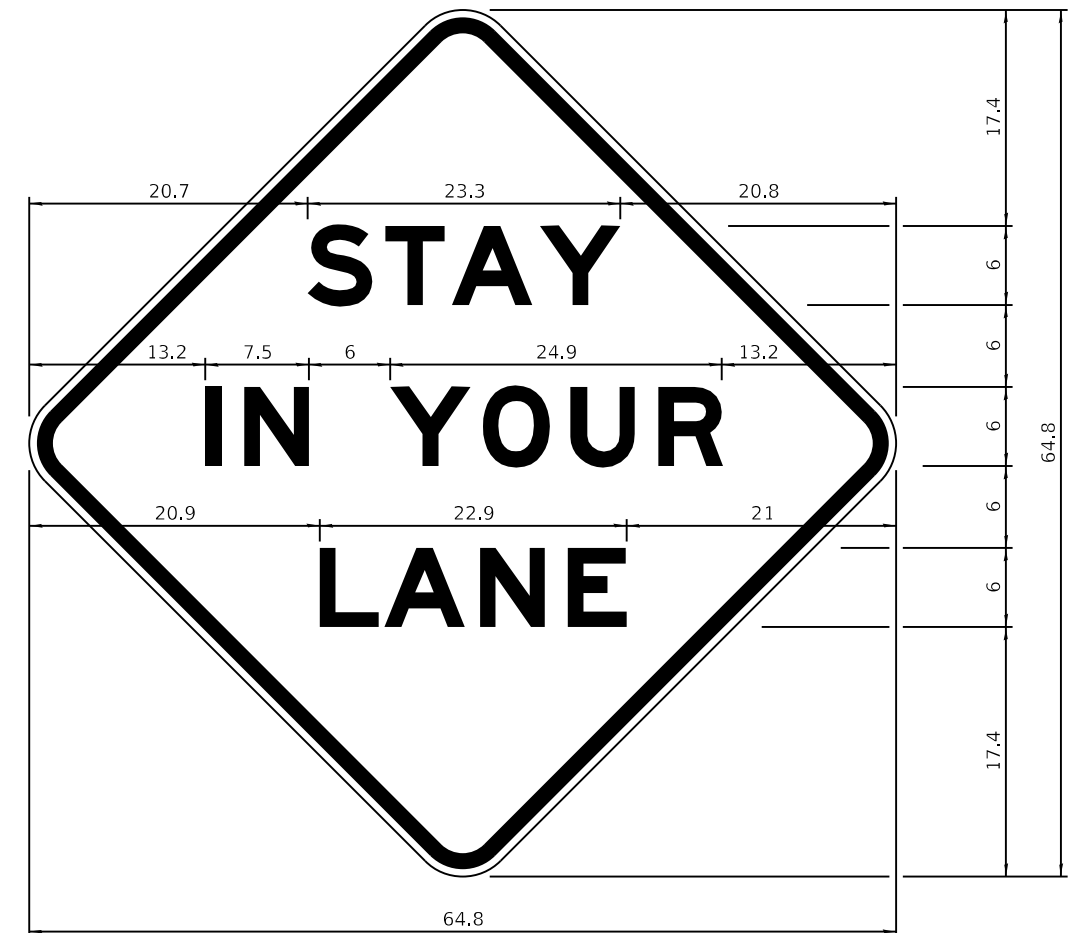
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

STAY IN YOUR LANE



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

Table of Letter and Object Lefts

S	T	A	Y
20.7	26.8	31.6	38.0

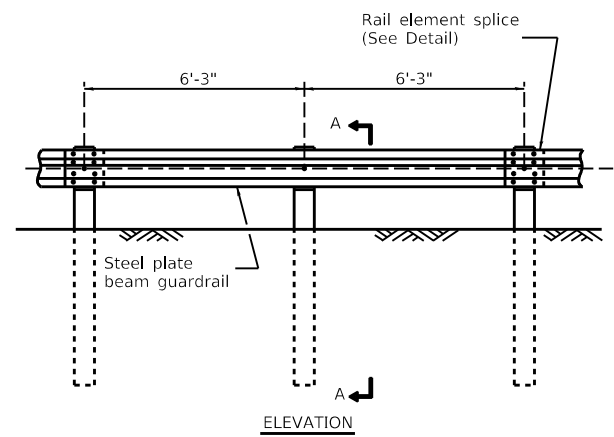
I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

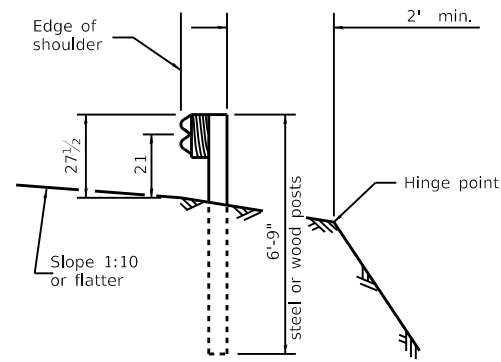
Sign not to scale

USER NAME = bartonw	DESIGNED -	REVISED - 3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD		F.A.P. RTE. = 22	SECTION = 125CR	COUNTY = HENRY	TOTAL SHEETS = 34	SHEET NO. = 23	
FILE NAME: pw:\dot-pw\entley.com\PWIDOT\Documents\DOT Offices\District 2\Projects\64P09\Program\Drawings\Studies & Plans\Design\CADD\CADsheets\Sheet-details.dgn	CHECKED -	REVISED -		SCALE: = 100,0000' / in.	SHEET 6	OF 10 SHEETS	STA. TO STA.	CONTRACT NO. 64P09			
PLOT DATE = Dec-14-2021 02:21:36 PM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

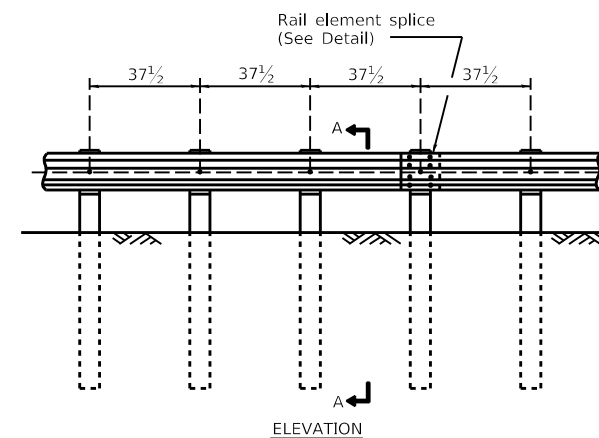
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



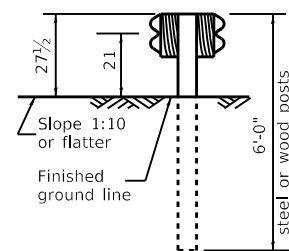
TYPE A
6'-3" Typical post spacing



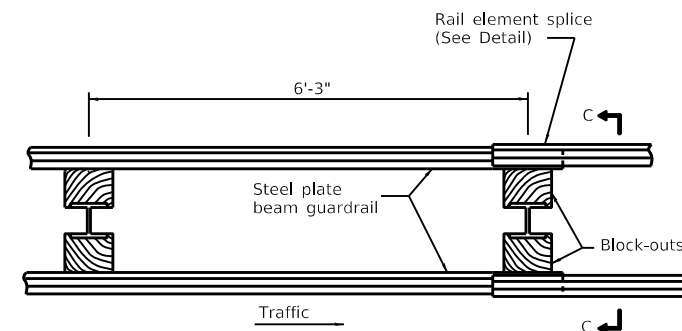
SECTION A-A



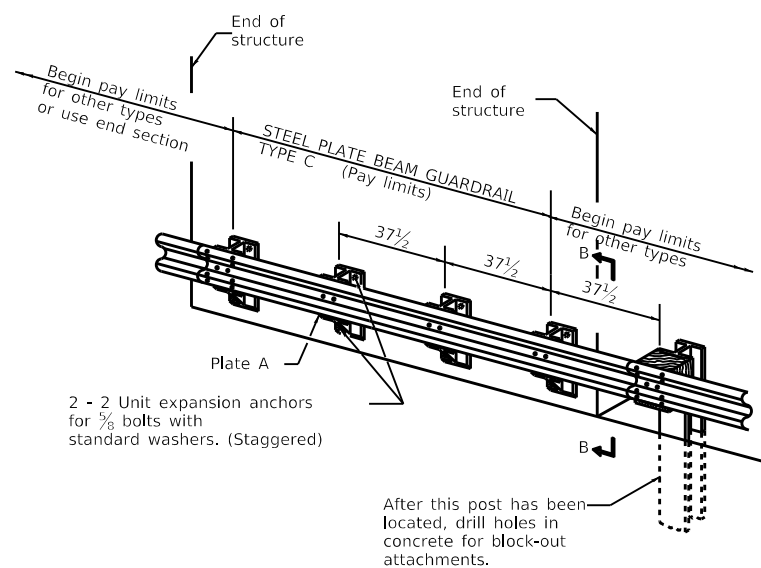
TYPE B
37 1/2" Closed post spacing



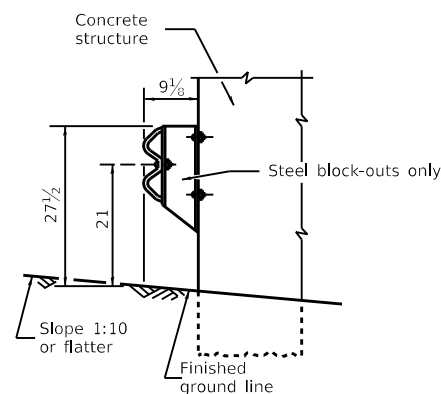
SECTION C-C



TYPE D
Double steel plate beam guardrail
6'-3" typical post spacing



TYPE C
37 1/2" Block-out spacing



SECTION B-B

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches unless otherwise shown.

The existing steel posts may be drilled to match the bolt pattern shown herein for the wood block-out, or a new steel post shall be provided.

This detail is applicable to the guardrail system used prior to January 1, 2007. For details on the Midwest Guardrail System, see Standard 630001.

USER NAME = bartonw	DESIGNED -	REVISED - 1-05-16
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = Dec-10-2021 01:24:32 PM	DATE -	REVISED -

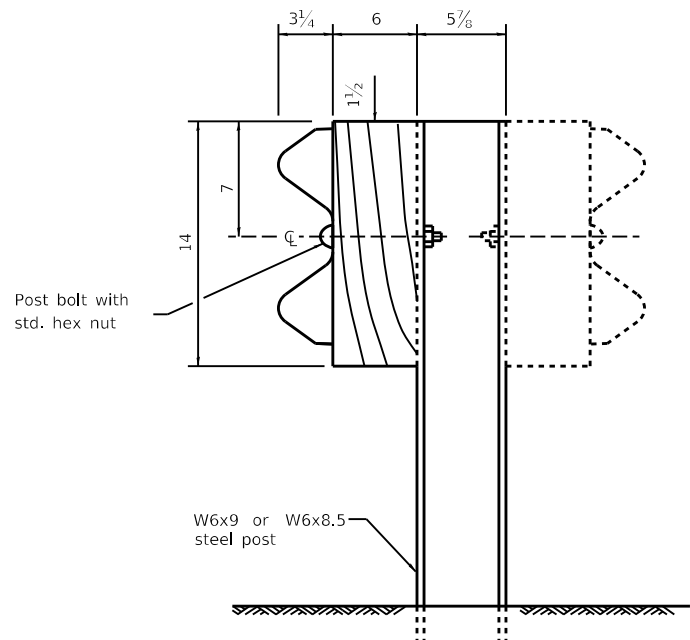
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

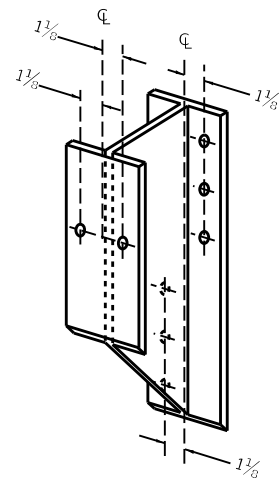
SCALE: SHEET 7 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	125CR	HENRY	34	24
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

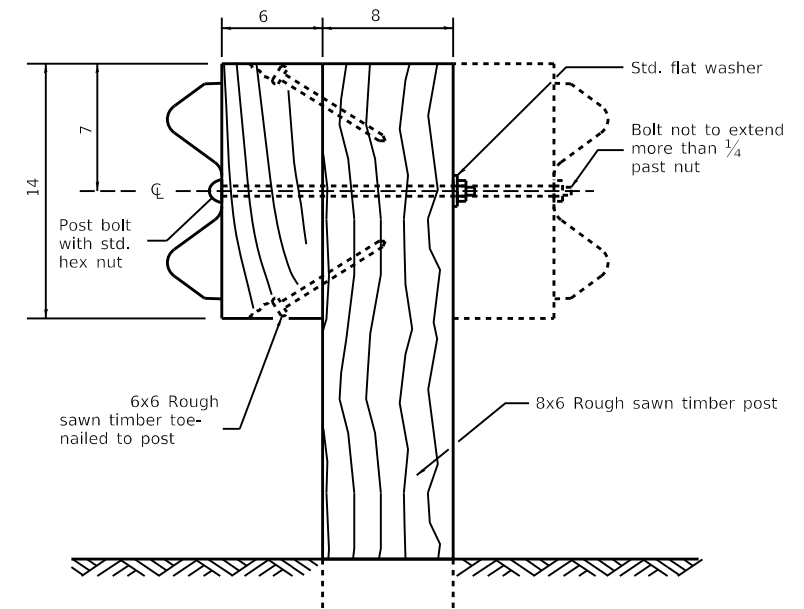
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



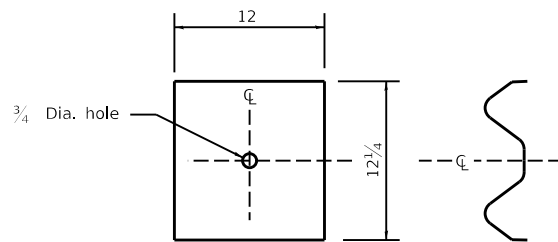
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



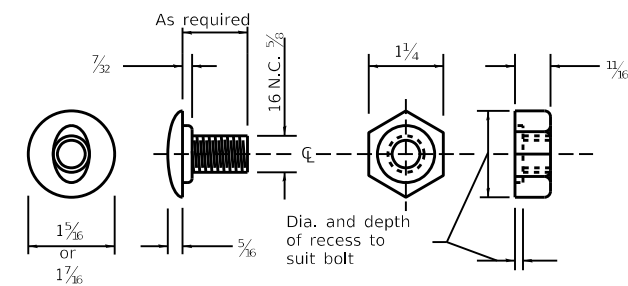
WOOD POST CONSTRUCTION



NOTE

Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

PLATE A



POST OR SPLICE BOLT & NUT

USER NAME = bartonrw	DESIGNED -	REVISED - 1-05-16
FILE NAME: pw:\dot-pw.bentley.com:PWIDOT\Documents\DOT Offices\District 2\Projects\64P09\Program Details\Studies & Plans\Design\CADD\CADsheets\Sheet-details\10-18-11	CHECKED -	REVISED -
PLOT SCALE = 100,0000 ' / in.	DATE -	REVISED -
PLOT DATE = Dec-10-2021 01:24:49 PM		

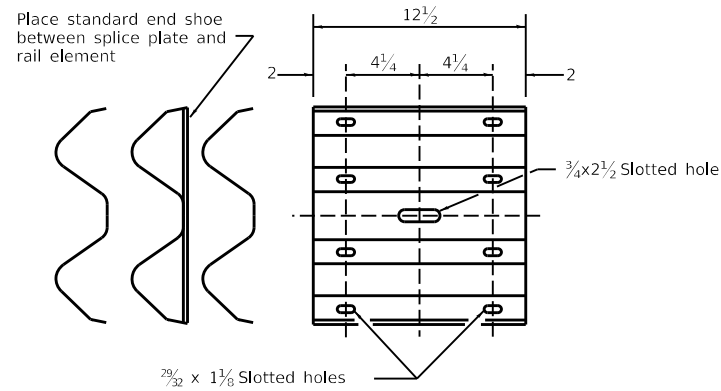
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

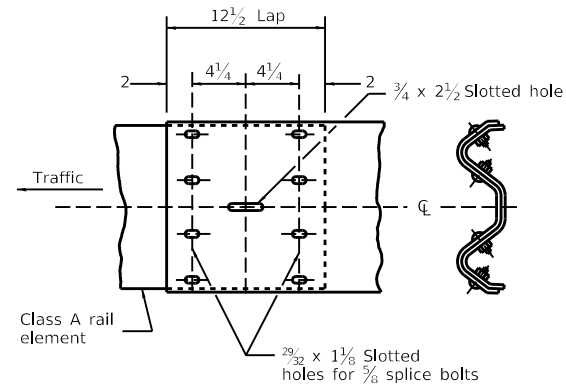
SCALE: SHEET 8 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	125CR	HENRY	34	25
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

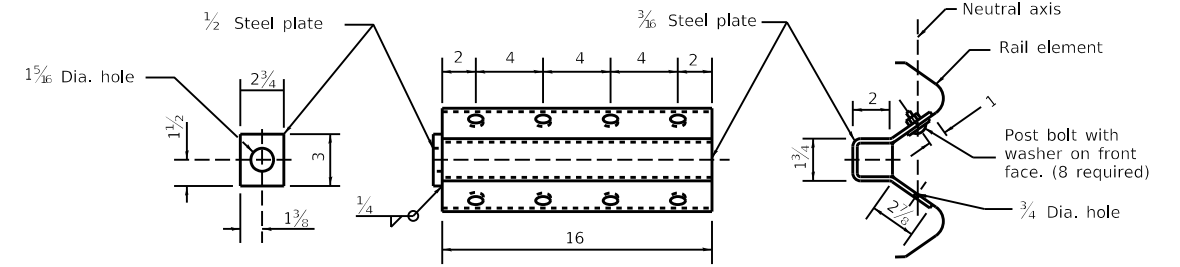
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



SPLICE PLATE



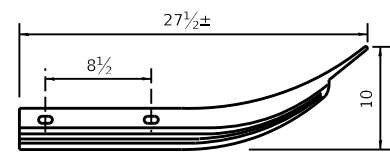
RAIL ELEMENT SPLICE



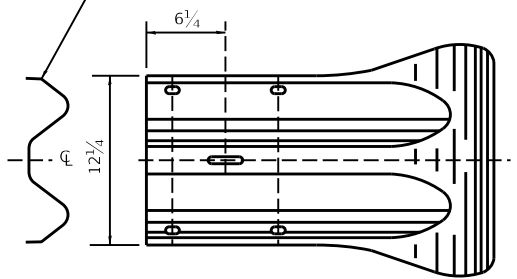
NOTE

Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

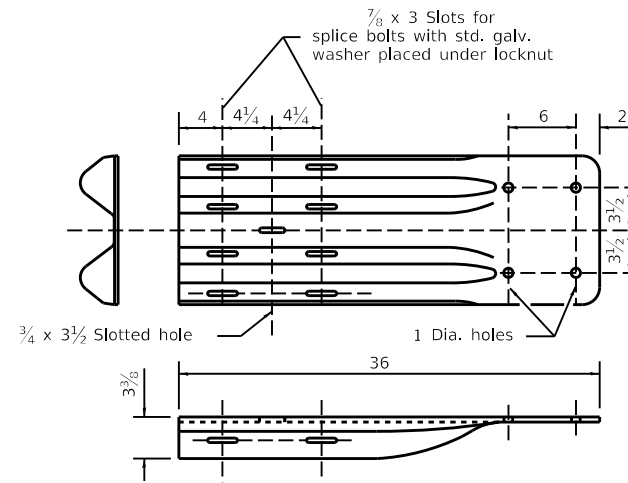
ANCHOR PLATE T DETAILS



Class A rail element



END SECTION



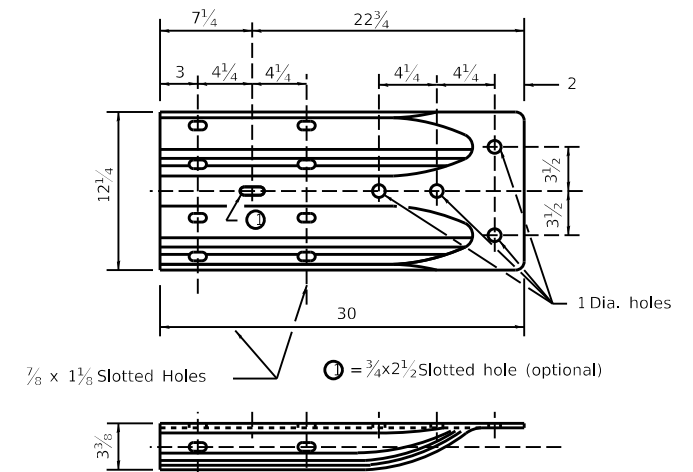
NOTE

When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted.

END SHOE



ALTERNATE END SHOE

USER NAME = bartonrw	DESIGNED -	REVISED - 1-05-16
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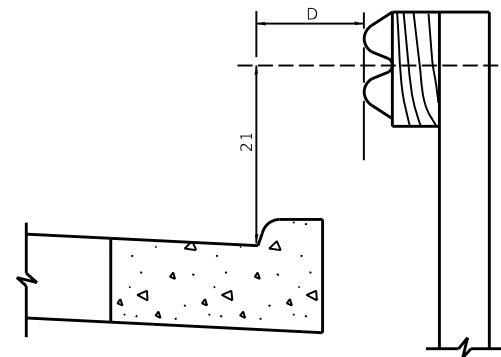
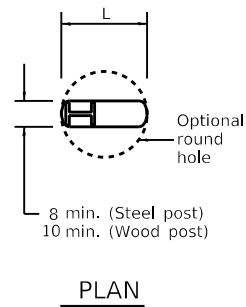
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

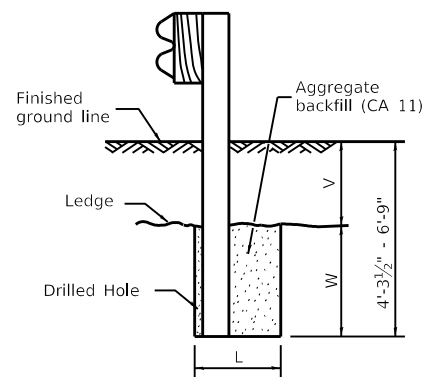
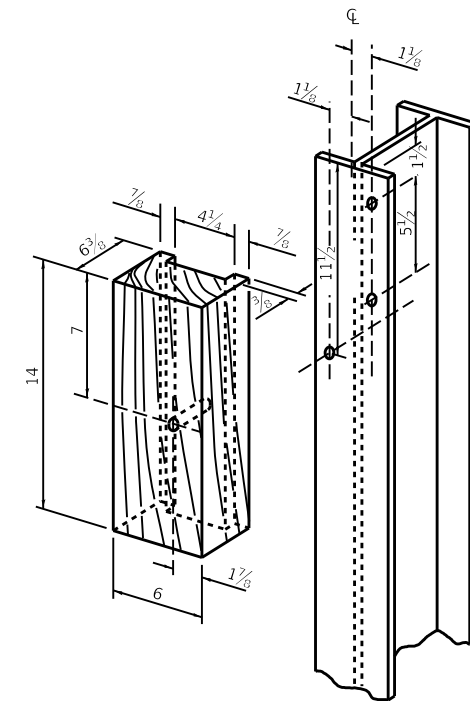
SCALE: SHEET 9 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	125CR	HENRY	34	26
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL

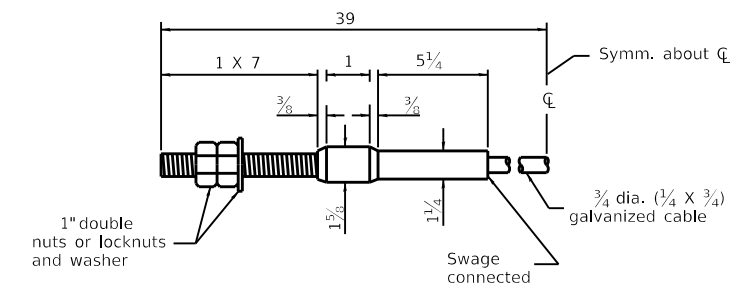


Note:
If it is necessary for D to be more than 12 and less than 10'-0" type M-2 curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.



FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

V	W	L	
		Steel Post	Wood Post
0 - 18	24	21	23
>18 - 41.5	12	8	10
>41.5 - 53.5	12 - 0	8	10



USER NAME = bartonw	DESIGNED -	REVISED - 1-05-16
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD

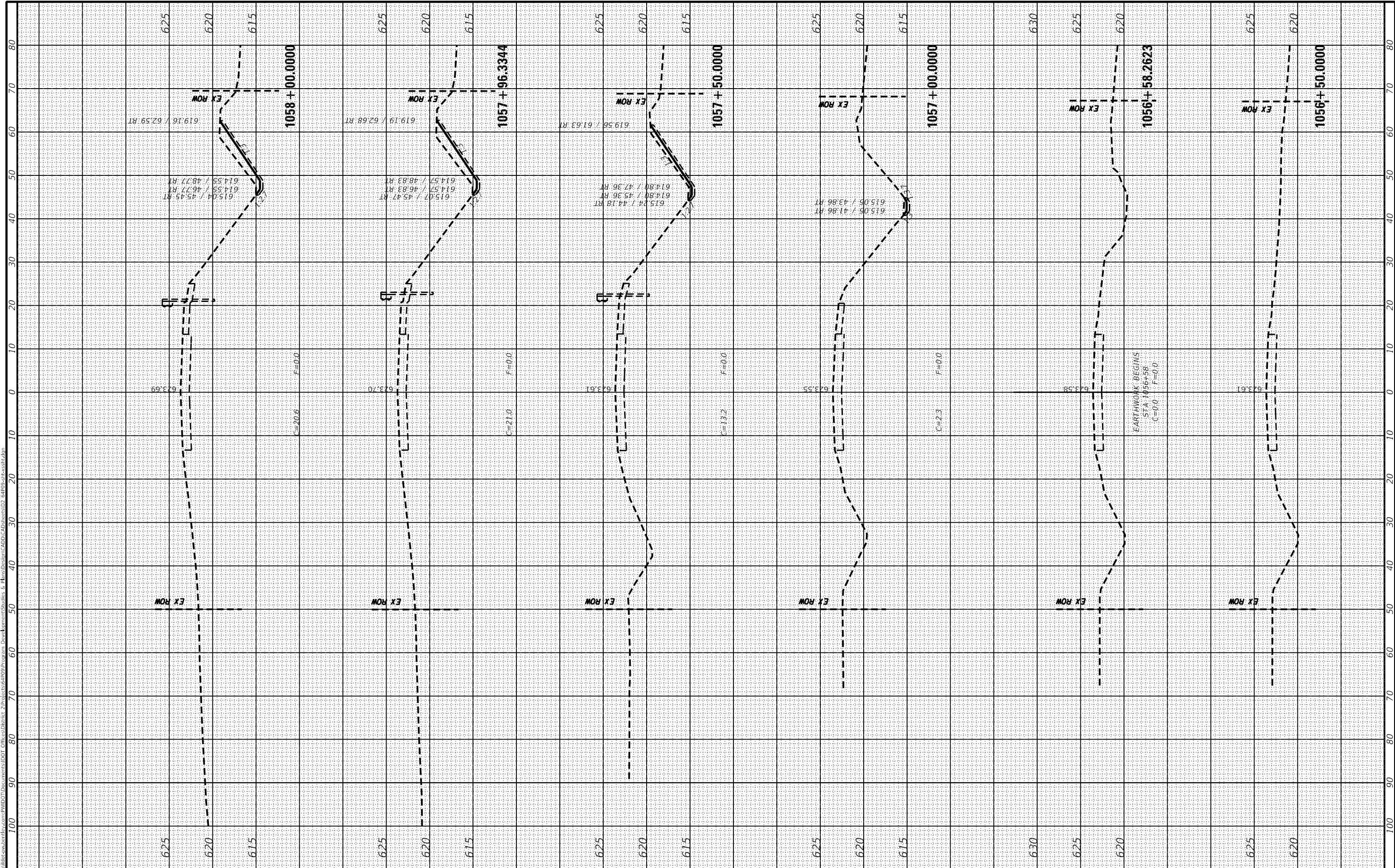
SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE. 22	SECTION 125CR	COUNTY HENRY	TOTAL SHEETS 34	SHEET NO. 27
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 78
MAINLINE CROSS SECTIONS

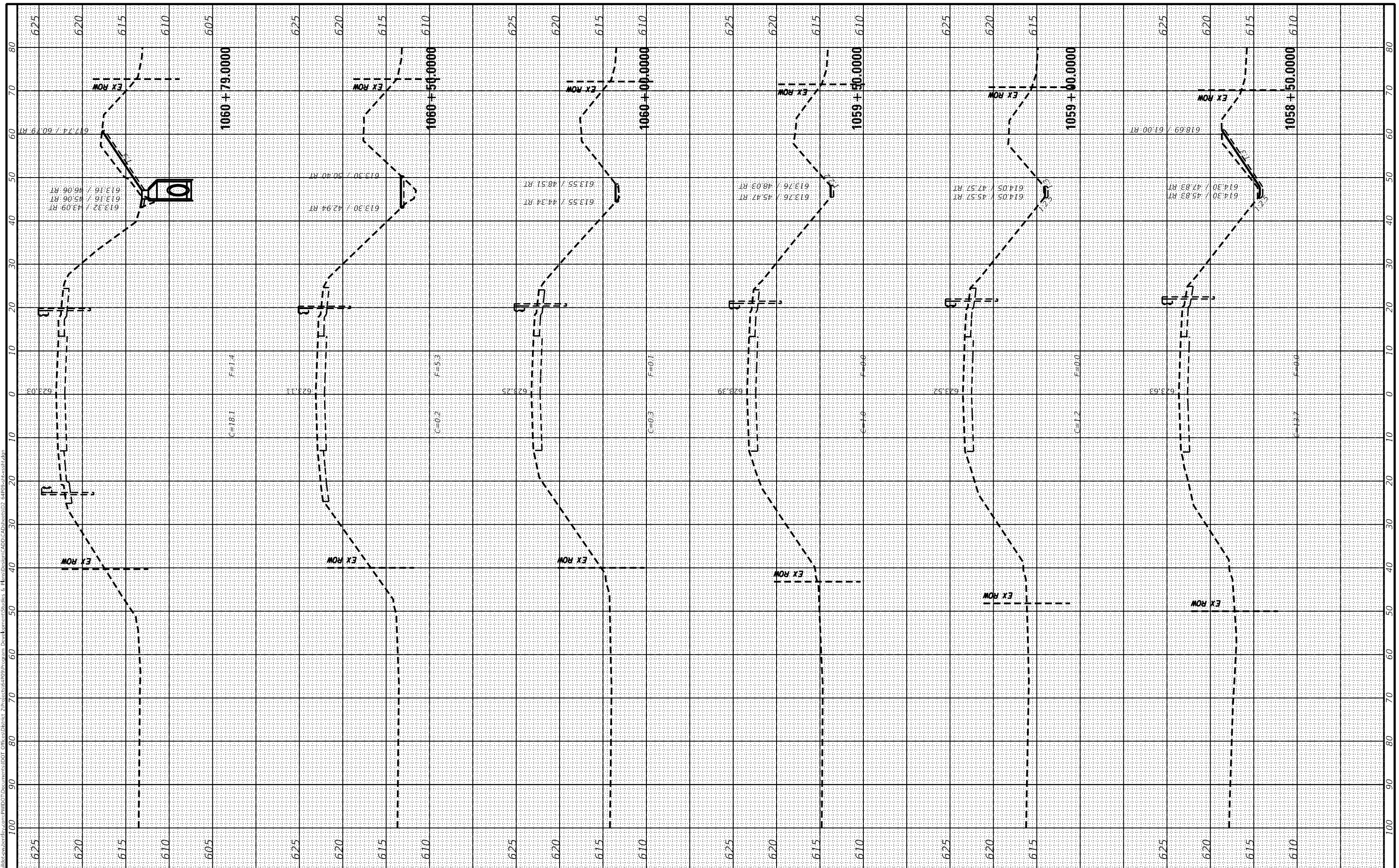
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F.A.P. RTE. 22	SECTION 125CR	COUNTY HENRY	TOTAL SHEETS 34	SHEET NO. 28
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE
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 PLOT DATE = Dec-14-2021 01:11:03 PM

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 78
 MAINLINE CROSS SECTIONS**

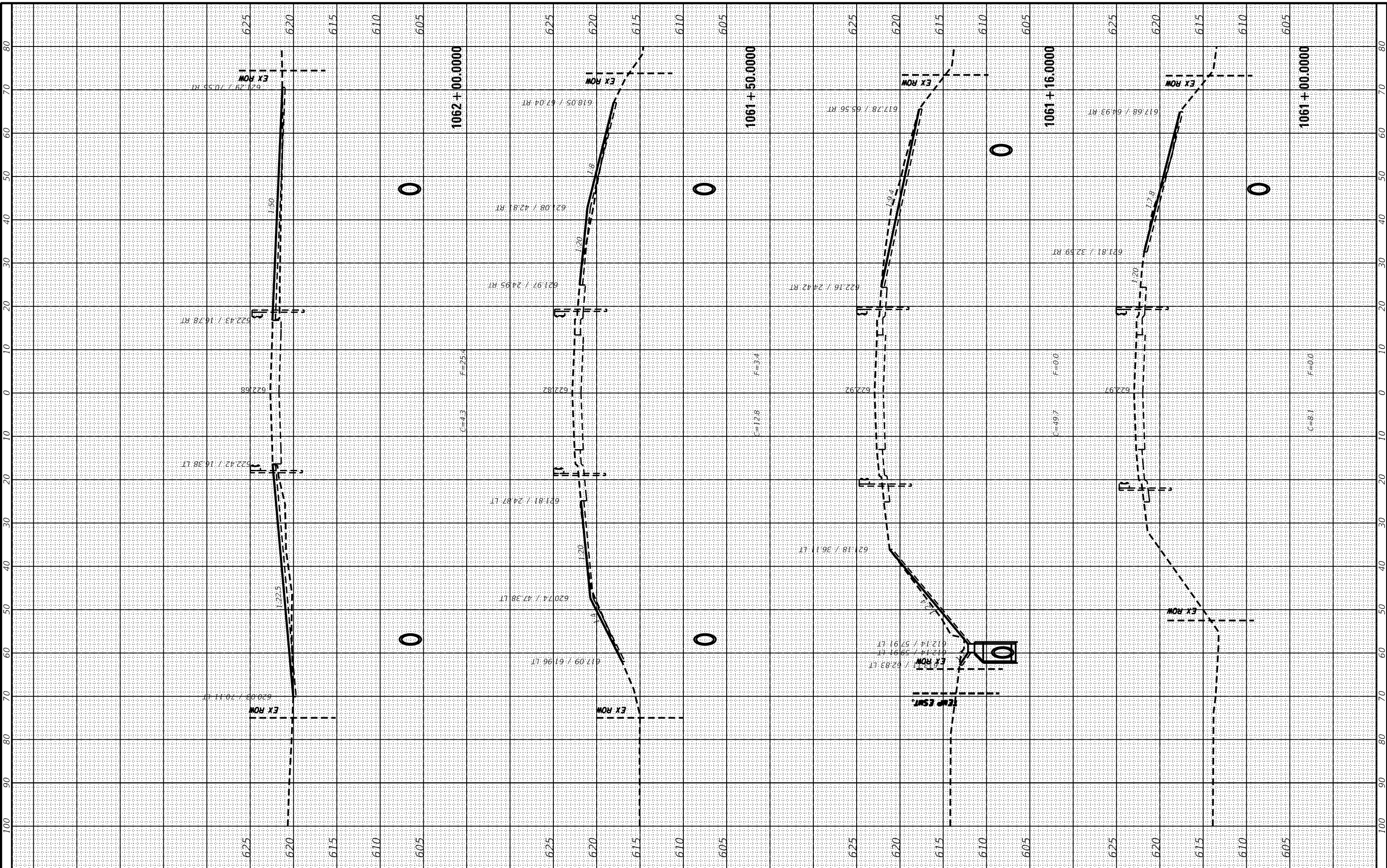
SCALE: SHEET 2 OF 7 SHEETS STA. 1058+50.0000 TO STA. 1060+79.0000

F.A.P. RTE. 22	SECTION 125CR	COUNTY HENRY	TOTAL SHEETS 34	SHEET NO. 29
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	DATE

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DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

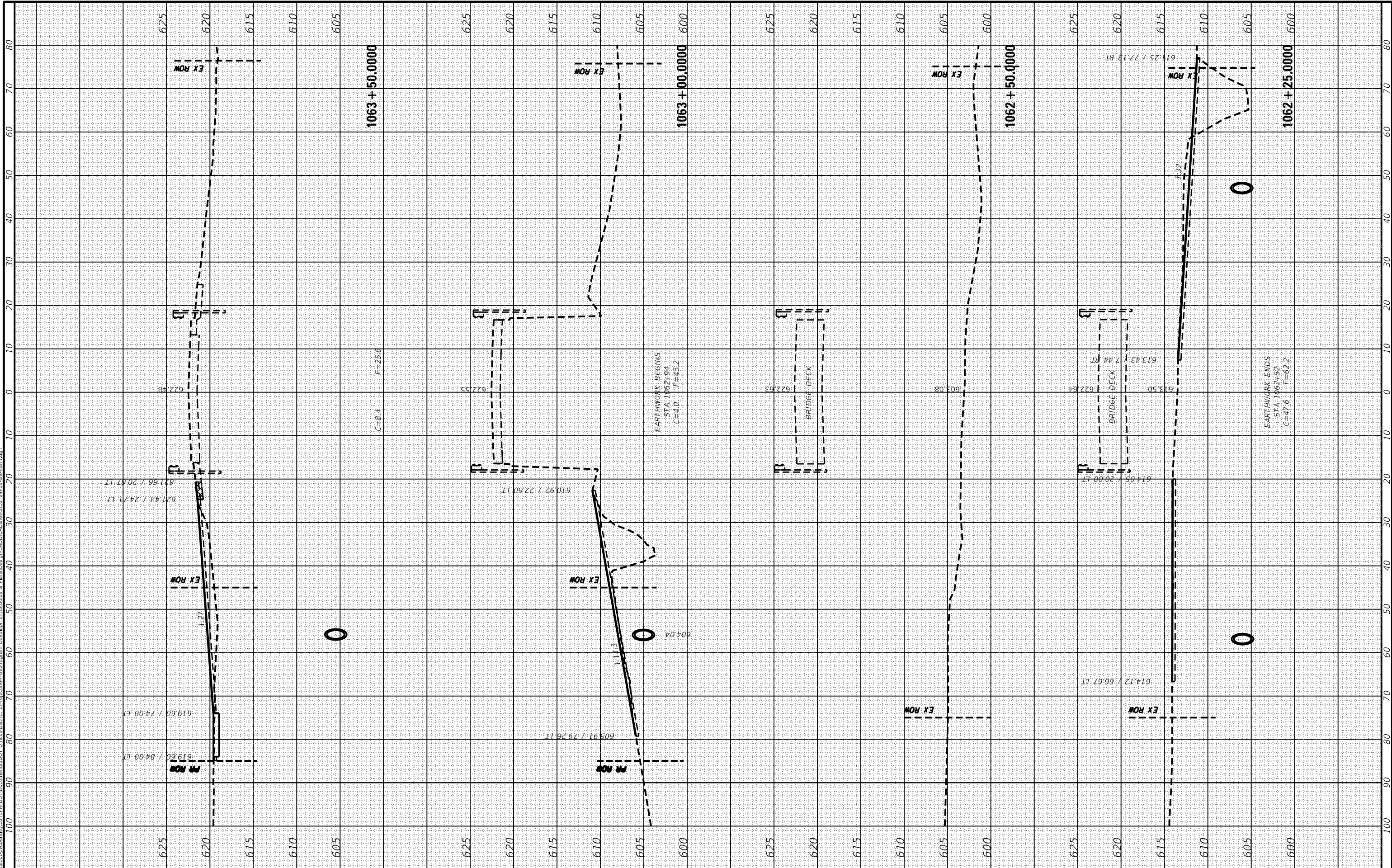
IL ROUTE 78 MAINLINE CROSS SECTIONS	
SCALE:	SHEET 3 OF 7 SHEETS
STA. 1061+00.0000 TO STA. 1062+00.0000	

F.A.P. RTE. 22	SECTION 125CR	COUNTY HENRY	TOTAL SHEETS 34	SHEET NO. 30
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE

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 DRAWING: 64P09-MS-1-MAINLINE CROSS SECTIONS



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 78
MAINLINE CROSS SECTIONS**

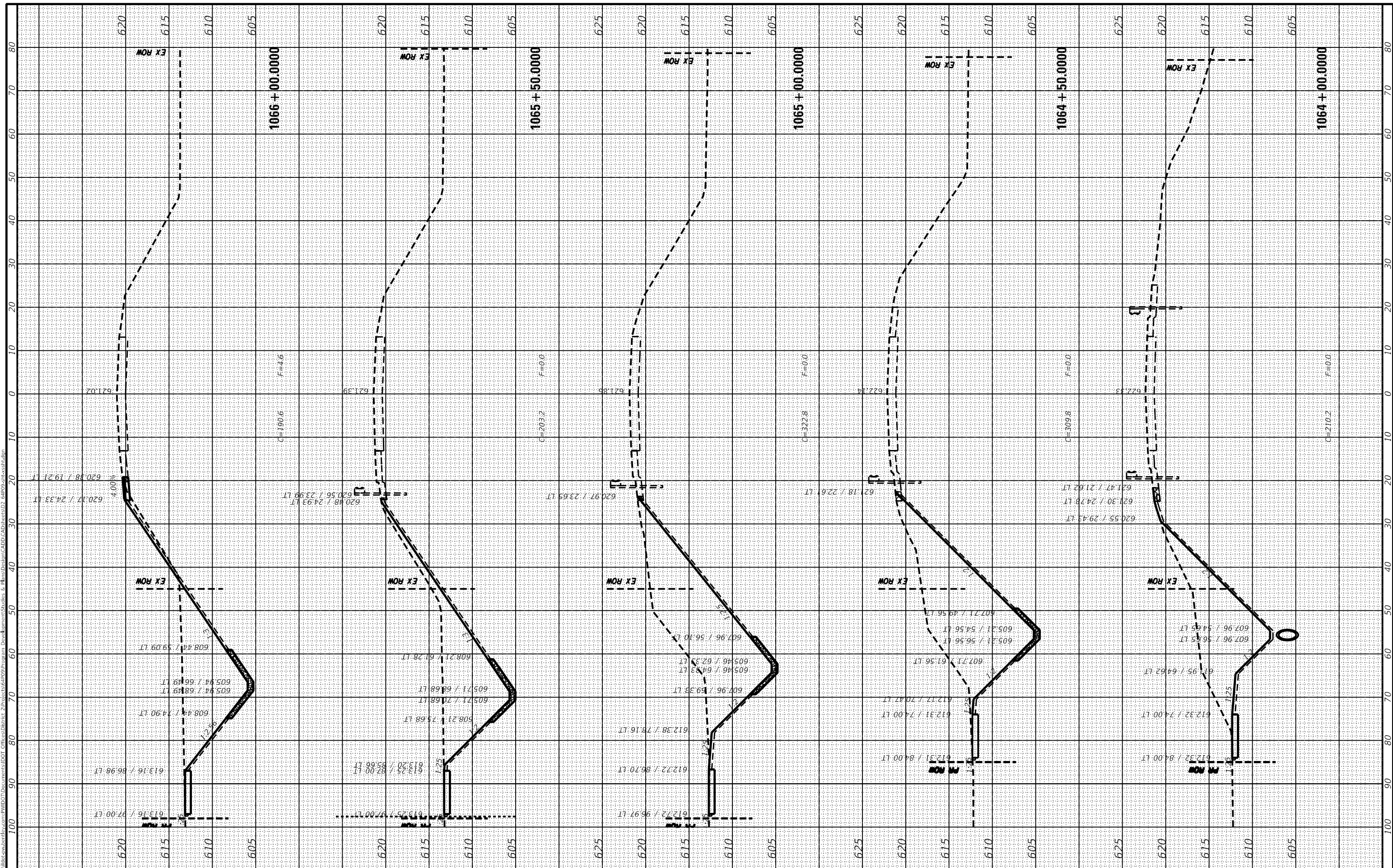
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CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 4 OF 7 SHEETS STA. 1062+25.0000 TO STA. 1063+50.0000

FINAL SURVEY NO.	SURVEYED	DATE
	NOTED	
	PLOTTED	
	TEMPERATURE	
	AREAS	
	CHECKED	

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

**IL ROUTE 78
MAINLINE CROSS SECTIONS**

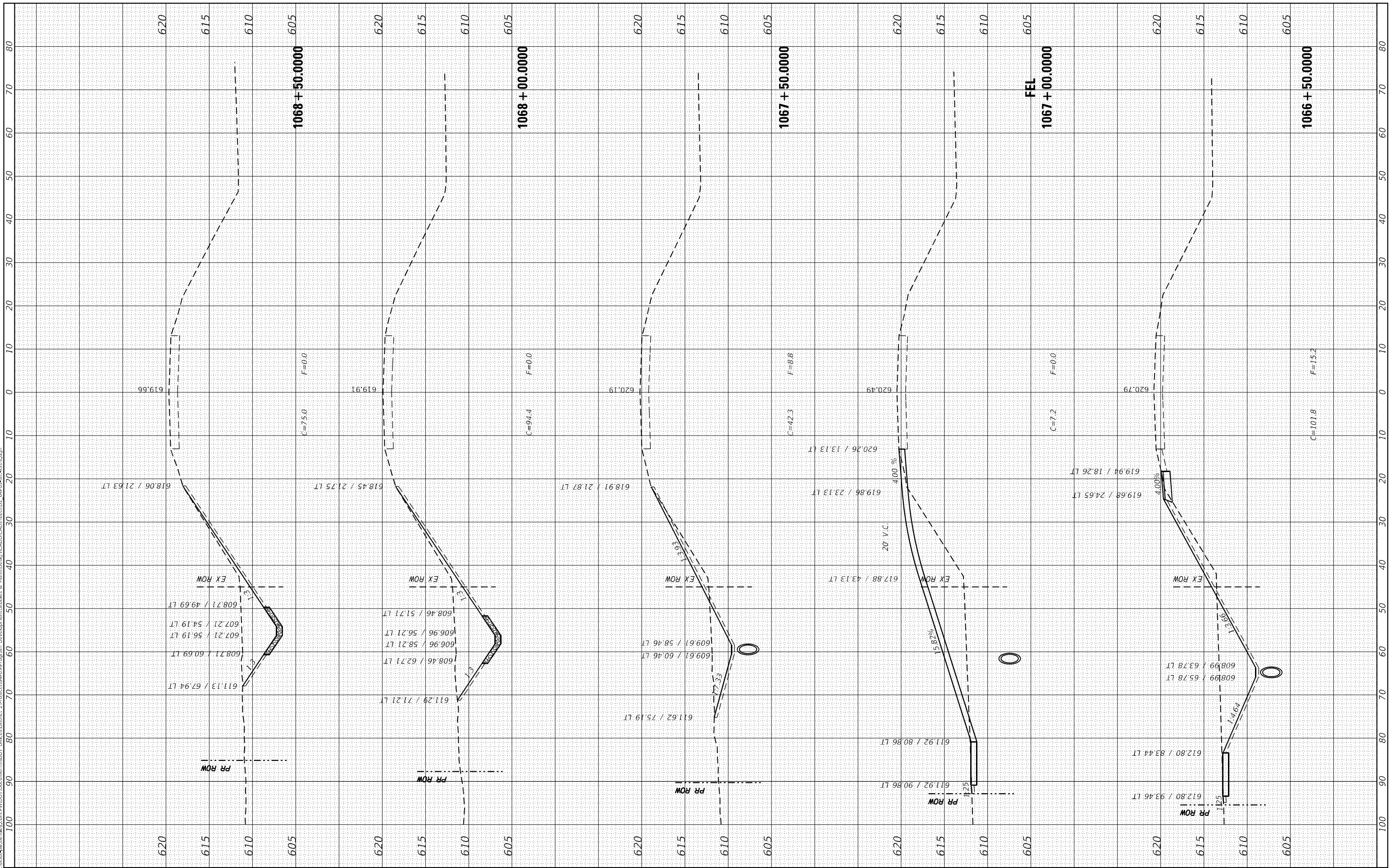
SCALE: SHEET 5 OF 7 SHEETS STA. 1064+00.0000 TO STA. 1066+00.0000

F.A.P. RTE. 22	SECTION 125CR	COUNTY HENRY	TOTAL SHEETS 34	SHEET NO. 32
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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 PROJECT: 101-14-2011



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PLOT DATE	= 2/8/2022

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 78
MAINLINE CROSS SECTIONS**

SCALE: SHEET 6 OF 7 SHEETS STA. 1066+50.0000 TO STA. 1068+50.0000

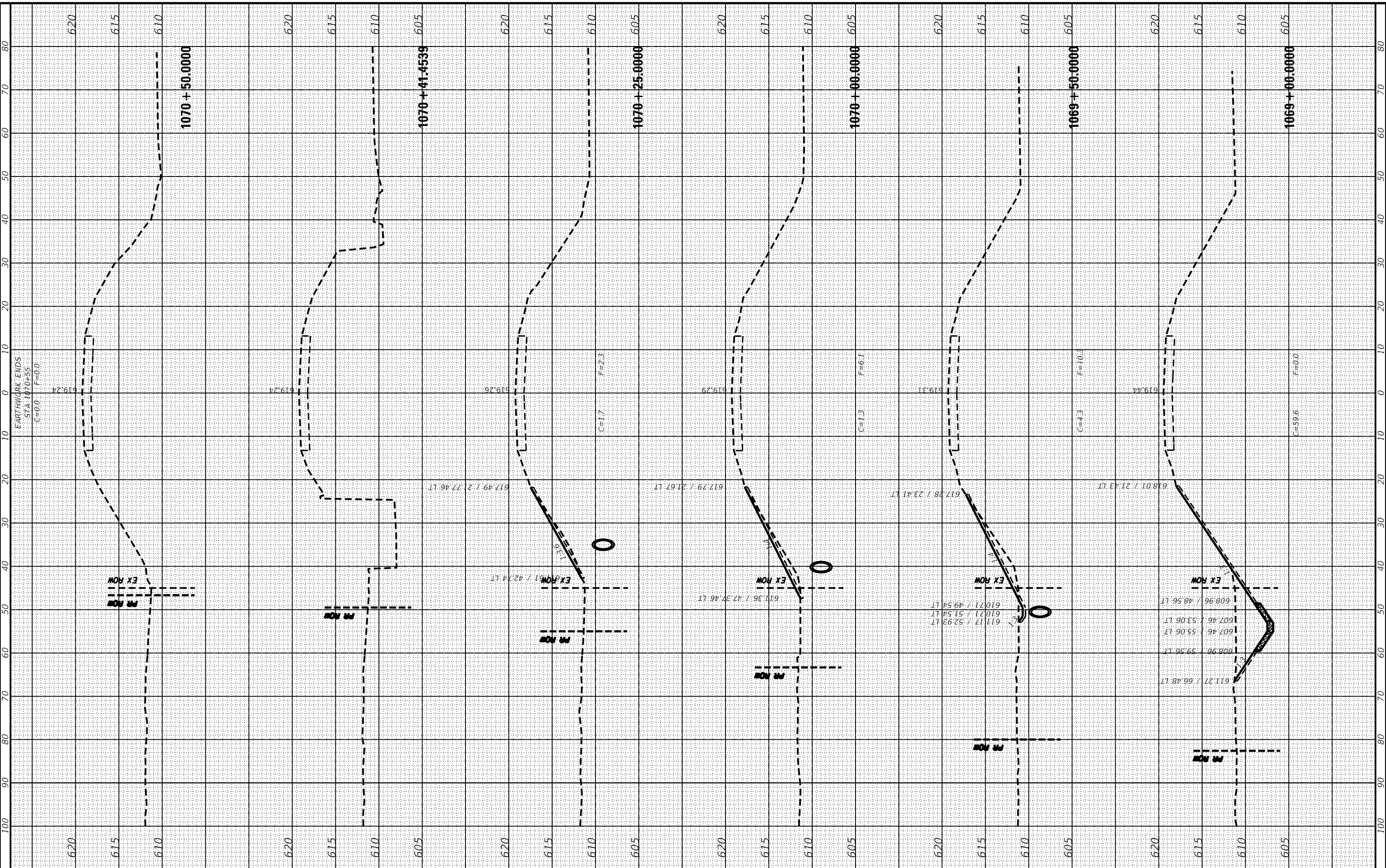
F.A.P. RTE. 22	SECTION 125CR	COUNTY HENRY	TOTAL SHEETS 34	SHEET NO. 33
CONTRACT NO. 64P09				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	DATE

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USER NAME = bartonw	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL ROUTE 78 MAINLINE CROSS SECTIONS		
SCALE:	SHEET 7 OF 7 SHEETS	STA. 1069+00.0000 TO STA. 1070+50.0000

F.A.P. RTE. 22	SECTION 125CR	COUNTY HENRY	TOTAL SHEETS 34	SHEET NO. 34
CONTRACT NO. 64P09				
ILLINOIS FED. AID PROJECT				