

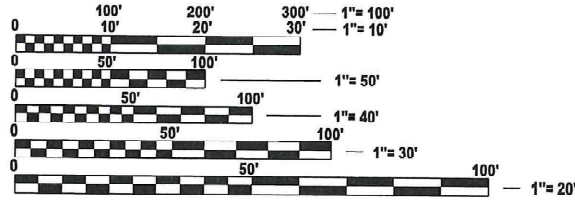
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	1
		ILLINOIS	CONTRACT NO. 64L71	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED
HIGHWAY PLANS**
FAP ROUTE 638 (IL 82)
SECTION 136CR
PROJECT STP-NFTD(377)
REMOVAL AND REPLACEMENT OF CULVERT
0.3MI N. OF ROADWAY 1700 N
HENRY COUNTY
C-92-076-23

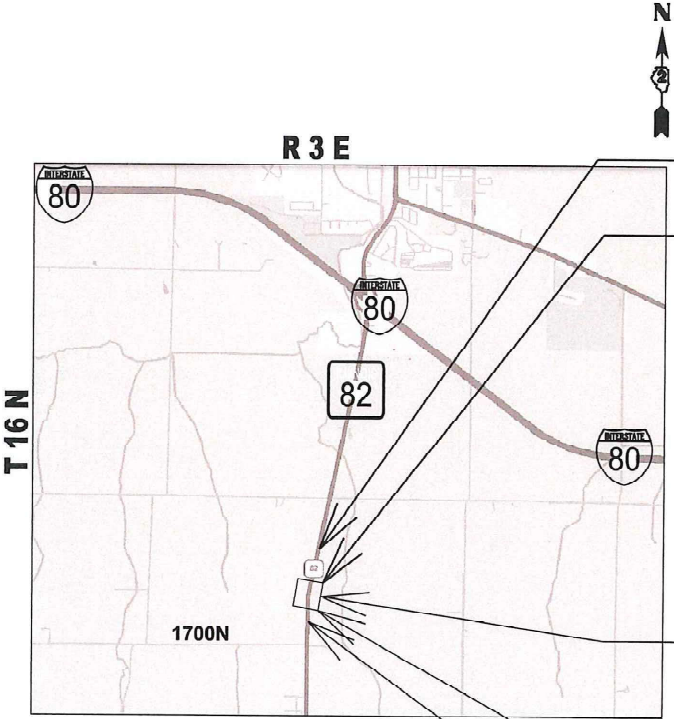
TOWNSHIP:
SECTION: MUNSON
 4, 5



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

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

PROJECT ENGINEER: CHAD SPREEMAN
PROJECT MANAGER: BRAD CUSHMAN 815-284-5996
EMAIL: BRAD.CUSHMAN@ILLINOIS.GOV
CONTRACT NO. 64L71



LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 129.0 FT. = 0.02 MILE
NET LENGTH = 129.0 FT. = 0.02 MILE

IMPROVEMENT ENDS
STA. 921+70.00

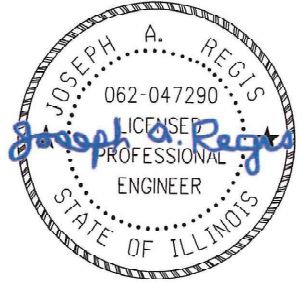
PROJECT ENDS
STA. 919+96.00

STA. 919+23.99
PROPOSED CULVERT REPLACEMENT
(EXISTING 3X3 FOOT BOX CULVERT, EXISTING
S.N. 037-1193; REPLACED WITH PROPOSED
72 INCH RCP. PROPOSED S.N. 037-1207)

PROJECT BEGINS
STA. 918+67.00

IMPROVEMENT BEGINS
STA. 916+75.00

AMES ENGINEERING, INC.
JOSEPH A. REGIS, P.E.
THIS STAMP APPLIES TO
DRAWINGS NO. 1-11, 13-17, 33-49
LICENSE NO. 062-047290

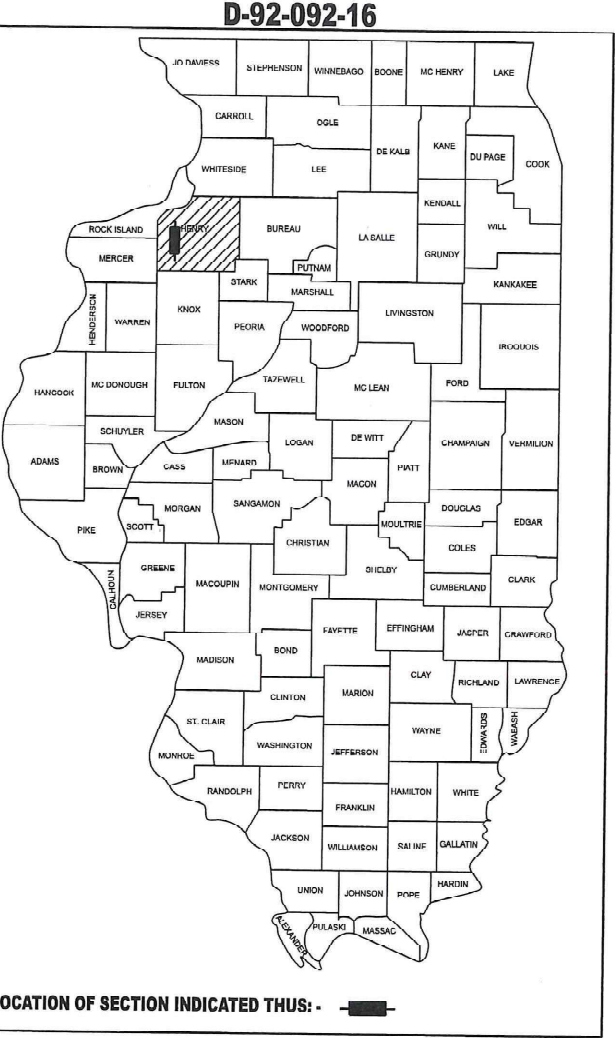


DATE: 08/13/2025 EXP: 11/30/2025

STRAND ASSOCIATES, INC.
NATHAN D. RICK, P.E., S.E.
THIS STAMP APPLIES TO
DRAWINGS NO. 12, 25-32
LICENSE NO. 081.007039



DATE: 8/13/2025 EXP: 11/30/2026



AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED August 13 20 25
Juba Thompson
REGIONAL ENGINEER
October 3 25
S. A. E. E. E.
ENGINEER OF DESIGN AND ENVIRONMENT
October 3 25
D. J. J. J. J.
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
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780001-05	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

1.

THE CONTRACTOR SHALL NOTIFY TRAFFIC OPERATIONS A MINIMUM OF 5 WORKING DAYS PRIOR TO PLACING PERMANENT PAVEMENT MARKING OR SIGNING.
2.

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 BACK SLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES.
3.

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.
4.

PREVIOUSLY PUGMILLED STOCKPILES OF "TYPE A" OLDER THAN ONE MONTH WILL NOT BE APPROVED FOR USE UNTIL A MOISTURE CHECK IS RUN TO VERIFY MOISTURE CONTENT. MATERIAL SHIPPED TO PROJECTS WITHOUT BEING TESTED WILL NOT BE ACCEPTED.
5.

PLACEMENT AND COMPACTION OF THE BACKFILL FOR THE PROPOSED ACROSS ROAD CULVERTS AND EXISTING ACROSS ROAD CULVERTS THAT ARE REMOVED, SHALL CONFORM TO ARTICLE 208.02 OF THE STANDARD SPECIFICIATIONS, AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD LABORATORY DENSITY. THE TOP ONE FOOT OF TRENCH BACKFILL SHALL BE GRADATION CA06 OR CA10, BENEATH THE PROPOSED PAVEMENT/PATCH.

THE ENTIRE EXCAVATION, WITHIN 2 FEET OUTSIDE OF EACH SHOULDER, SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL TO THE BOTTOM OF THE PROPOSED PAVEMENT/PATCH. IMPERVIOUS MATERIAL SHALL BE USED ON THE OUTER 3 FEET AT EACH END OF THE CULVERT.

THE TRENCH BACKFILL MATERIAL WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 502.12, NOT TO EXCEED 2 FEET OUTSIDE THE STRUCTURE.
6.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION AND MIXTURE USES	CLASS D PATCHES	TEMPORARY PAVEMENT	OVERLAY
	BINDER	SURFACE	SURFACE
PG:	PG 58-28	PG 58-28	PG 58-28
DESIGN AIR VOIDS:	4.0 @ N50	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION:	IL 19	IL 9.5	IL 9.5
FRICION AGGREGATE:	"D"	"D"	"D"
MIXTURE WEIGHT:	112 LBS/SY-IN	112 LBS/SY-IN	112 LBS/SY-IN
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A
MATERIAL TRANSFER DEVICE	N/A	N/A	N/A

7.

THE NEW NUMBER FOR THIS STRUCTURE WILL BE 037-1207.
8.

THE SOILS REPORT AND PROFILES ARE AVAILABLE AT THE DISTRICT OFFICE FOR CONTRACTOR'S REVIEW.
9.

THE EXCAVATED MATERIALS FROM EARTH EXCAVATION WIDENING, GRADING AND SHAPING DITCHES, AND EXCAVATING AND GRADING SHOULDERS SHALL BE USED TO BUILD UP THE SHOULDER THROUGHOUT THE JOB TO CONFORM WITH THE TYPICAL SECTIONS AS SHOWN ON THE PLANS.
10.

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.

11.

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.
12.

PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:

1. ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.

2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.

3. THE DISTANCE BETWEEN YELLOW NO-PASSING LANES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.

4. CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.
13.

PERMANENT SURVEY MARKERS, TYPE II, SHALL BE SET AT INTERVALS OF 1 MILE OR AS DIRECTED BY THE ENGINEER. BRIDGE OR CULVERT PROJECTS SHALL HAVE ONE SURVEY MARKER PLACED NEAR THE STRUCTURE. ESTIMATED: 1 EACH.
14.

PERMANENT SURVEY MARKERS, TYPE II PLACED IN URBAN AREAS SHOULD BE PLACED IN SIDEWALK AREAS. THE MARKER SHALL BE PLACED AS SHOWN ON DISTRICT STANDARD 66.2. THE SIDEWALK SHALL BE PLACED AROUND THE MARKER AND FLUSH WITH THE TOP.
15.

PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON DISTRICT STANDARD 66.2, OR ANOTHER OPTION WOULD BE TO INSTALL A VAULTED STYLE MONUMENT AS DESCRIBED BY NGS AS A 3D MONUMENT (TOP SECURITY SLEEVE ROD MONUMENT), WITH INSTALLATION INSTRUCTIONS PROVIDED BY THE DISTRICT CHIEF OF SURVEYS. IF POURED IN PLACE, THE BOTTOM OF THE MARKER SHALL BE 5'-0" BELOW THE GROUND SURFACE.
16.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE HORIZONTAL COORDINATES MUST BE DERIVED BY GPS AND THE ELEVATION DERIVED USING AN ELECTRONIC LEVEL. THE META DATA, SUCH AS THE GEOID USED, (NGS ADJUSTMENT IE: 97 HARN, 03, 07), AND THE BASE POINT(S) NAME OR NUMBER SHALL BE SUBMITTED ALONG WITH A COMPLETE COLLECTION LOG. IF COLLECTED USING RTK METHOD, IT WILL REQUIRE EITHER 3 COLLECTIONS (AVERAGED) FROM 2 DIFFERENT BASES, OR A MINIMUM OF 3 COLLECTIONS (AVERAGED), AT LEAST 2 HOURS APART, FROM THE SAME BASE. IF USING A CORS TYPE NETWORK, THE COLLECTION PROCEDURE SHALL INCLUDE LOCALIZING WITH CHECK SHOTS ON AT LEAST 2 DIFFERENT HARN MONUMENTS BOTH BEFORE AND AFTER COLLECTION. THE LEVEL CIRCUIT SHALL BE RUN FROM FURNISHED MARK TO FURNISHED MARK AND THEN ADJUSTED, THE ERROR OF CLOSURE SHALL BE SUBMITTED WITH THE ELECTRONIC LEVEL NOTES IN A RECOGNIZED FORMAT APPROVED BY THE ENGINEER AND/OR THE CHIEF OF SURVEYS. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE DISTRICT CHIEF OF SURVEYS.
17.

THIS PROJECT CONTAINS SURVEY MONUMENTS THAT ME BY DISTURBED. THE CONTRACTOR MUST NOTIFY THE RESIDENT ENGINEER, ROGER INBODEN, CHIEF OF SURVEYS, AT ROGER.INBODEN@ILLINOIS.GOV, A MINIMUM OF 21 DAYS BEFORE ANY ACTIVITY THAT MAY DISTURB A MONUMENT IN THE PAVEMENT. THIS WOULD INCLUDE SECTION CORNERS THAT WOULD BE IN VIOLATION OF 765 ILCS 205/11
18.

RIGHT-OF-WAY MARKERS WILL BE ERECTED PER HIGHWAY STANDARD 666001 WITH THE BACK FACE OF THE MARKER ON THE RIGHT-OF-WAY LINE, UNLESS THE NEW RIGHT-OF-WAY LINE HAS BEEN SURVEYED AND PINNED, IN WHICH INSTANCE THE RIGHT-OF-WAY MARKERS WILL BE ERECTED 12 INCHES INSIDE THE NEW RIGHT-OF-WAY LINE. THE METHOD OF INSTALLATION SHALL BE APPROVED BY THE ENGINEER.
19.

THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE.

TYPE	COMPANY	ADDRESS	CONTACT	PHONE
COMMUNICATIONS	GENESEO COMMUNICATIONS, INC.	111 E. 1ST STREET, GENESEO, IL 61254	CHRIS DUNN	(309) 714-2429
ELECTRIC	MIDAMERICAN ENERGY COMPANY	5955 FENNO ROAD, BETTENDORF, IA 52722	NATE TEAGER	(563) 333-8706

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,

20.

WHEN RELOCATE TEMPORARY CONCRETE BARRIER IS SPECIFIED, THE WALL SHALL BE REMOVED, STORAGE AND TRANSPORATION TO AND FROM STORAGE, WHEN THE WALL IS NOT NEEDED FOR A TIME AS SHOWN ON THE STAGING PLANS, RELOCATED AND REINSTATED AT THE NEW LOCATION. THE REINSTALLATION REQUIREMENTS SHALL BE THE SAME AS THOSE FOR A NEW INSTALLATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER.
21.

THE TEMPORARY CONCRETE BARRIER SHALL BE PINNED TO THE PAVEMENT WITH 3 ANCHOR PINS PER SECTION ON THE TRAFFIC SIDE OF THE BARRIER WALL AT THE FOLLOWING LOCATIONS:

STAGE 1: STA. 917+41.27, 4.94' RT TO STA. 921+33.93, 4.94' RT

STAGE 2: STA. 917+03.27, 4.11' LT TO STA. 921+71.93, 4.11' LT
22.

THE CONTRACTOR WILL BE REQUIRED TO FURNISH 5 1/2" HIGH BRASS STENCILS AS APPROVED BY THE ENGINEER AND INSTALL STATIONING AT 250' INTERVALS. STATIONING SHALL BE PLACED ON BOTH LANES OF 2-LANE HIGHWAYS AND ON THE OUTSIDE LANES IN BOTH DIRECTIONS ON 4-LANE HIGHWAYS. THE STATIONS SHALL BE PLACED 6" INSIDE THE PAVEMENT MARKING EDGE SO THEY CAN BE READ FROM THE SHOULDER. THIS WORK WILL BE INCLUDED IN THE COST OF THE FINAL PAVEMENT SURFACE.
23.

THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAY'S PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.
24.

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.
25.

CULVERTS THAT ARE STAGE CONNECTED AND UNDERCUT BY MORE THAN 2 FEET SHALL HAVE LEAN CONCRETE PLACED ON THE ROCK FILL AT THE STAGE LINE. THE CONCRETE SHALL RETAIN THE ROCK FILL UNTIL THE SECOND STAGE ROCK FILL IS PLACED. THIS WORK WILL BE INCLUDED IN THE PAY ITEM FOR THE TYPE OF ROCK FILL USED.
26.

RELOCATE TEMPORARY IMPACT ATTENUATORS SHALL INCLUDE STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE DEVICE IS NOT NEEDED FOR A TIME, AS SHOWN ON THE STAGING PLANS. THIS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.

COMMITMENTS

NONE

MODEL:
FILE NAME:



USER NAME = msomer	DESIGNED - SH	REVISED - ____
	DRAWN - RA	REVISED - ____
PLOT SCALE = \$\$SCALE\$	CHECKED - JR	REVISED - ____
PLOT DATE = 8/5/2025	DATE - 5/30/2025	REVISED - ____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
636	136CR	HENRY	49	3
		CONTRACT NO. 64L71		
		ILLINOIS	FED. AID PROJECT	

				CONSTR. CODE
				80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PIPE CULVERT
				0004
				RURAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	30	30
20200100	EARTH EXCAVATION	CU YD	267	267
20300100	CHANNEL EXCAVATION	CU YD	125	125
20400800	FURNISHED EXCAVATION	CU YD	205	205
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2969	2969
25000210	SEEDING, CLASS 2A	ACRE	0.5	0.5
++ 25000310	SEEDING, CLASS 4	ACRE	0.25	0.25
++ 25000750	MOWING	ACRE	0.5	0.5
25100630	EROSION CONTROL BLANKET	SQ YD	2075	2075
25100900	TURF REINFORCEMENT MAT	SQ YD	894	894
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	75	75
28000305	TEMPORARY DITCH CHECKS	FOOT	440	440
28000400	PERIMETER EROSION BARRIER	FOOT	277	277
28000500	INLET AND PIPE PROTECTION	EACH	1	1

+ SPECIALTY ITEMS

++ NON-PARTICIPATING ITEMS

				CONSTR. CODE
				80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PIPE CULVERT
				0004
				RURAL
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	19	19
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	42	42
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	373	373
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	305	305
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1
+ 50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	165	165
51500100	NAME PLATES	EACH	1	1
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1456	1456
542A1117	PIPE CULVERTS, CLASS A, TYPE 2 72"	FOOT	61	61
5421A015	PIPE CULVERTS, CLASS A, TYPE 1 15" (TEMPORARY)	FOOT	115	115
54215472	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 72"	EACH	1	1
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	253	253
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	540	540
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4

+ SPECIALTY ITEMS
++ NON-PARTICIPATING ITEMS

				CONSTR. CODE
				80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PIPE CULVERT
				0004
				RURAL
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	114	114
63200310	GUARDRAIL REMOVAL	FOOT	163	163
63500105	DELINEATORS	EACH	2	2
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	6	6
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	784	784

+ SPECIALTY ITEMS
++ NON-PARTICIPATING ITEMS

				CONSTR. CODE
				80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PIPE CULVERT
				0004
				RURAL
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	2352	2352
70400100	TEMPORARY CONCRETE BARRIER	FOOT	468	468
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	192	192
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	393	393
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
+ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5888	5888
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1143	1143
X0322938	TEMPORARY END SECTION	EACH	3	3
X0327423	CONNECTION TO EXISTING CULVERT	EACH	1	1
X2810110	STONE RIPRAP, CLASS A5 (SPECIAL)	SQ YD	147	147
X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	708	708
X5420201	DROP BOX NO.1	EACH	1	1
X6028050	TEMPORARY MANHOLE	EACH	1	1

+ SPECIALTY ITEMS
++ NON-PARTICIPATING ITEMS

				CONSTR. CODE
				80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	PIPE CULVERT
				0004
				RURAL
+ X7200075	REMOVE AND REINSTALL SIGN PANEL	SQ FT	9	9
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
+ Z0054500	ROCK FILL	TON	272	272
Z0062456	TEMPORARY PAVEMENT	SQ YD	708	708

+ SPECIALTY ITEMS
++ NON-PARTICIPATING ITEMS

SCHEDULE OF QUANTITIES

20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)		
	LOCATION	OFFSET	UNIT
	919+89	77' RT	15
	919+89	77' RT	15
TOTAL UNIT			30

20300100	CHANNEL EXCAVATION		
	STA	TO	STA
	916+75		921+70
			CU YD
TOTAL CU YD			125

21101615	TOPSOIL FURNISH AND PLACE, 4"		
	STA	TO	STA
	917+27		921+60
	917+27		921+60
TOTAL SQ YD			2969

25000210	SEEDING, CLASS 2A		
	STA	TO	STA
	917+27		921+60
	917+27		921+60
TOTAL ACRE			0.5

25000310	SEEDING, CLASS 4		
	STA	TO	STA
	917+27		921+60
	917+27		921+60
TOTAL ACRE			0.25

25000750	MOWING		
	STA	TO	STA
	917+27		921+60
	917+27		921+60
TOTAL ACRE			0.50

25100630	EROSION CONTROL BLANKET		
	STA	TO	STA
	917+27		921+60
			SQ YD
TOTAL SQ YD			2075

25100900	TURF REINFORCEMENT MAT		
	STA	TO	STA
	917+27		921+60
	917+27		921+60
TOTAL SQ YD			894

28000305	TEMPORARY EROSION CONTROL SEEDING		
	STA	TO	STA
	917+27		921+60
	917+27		921+60
TOTAL POUNDS			75

28000305	TEMPORARY DITCH CHECKS		
	STA	TO	STA
	917+27		921+60
	917+27		921+60
TOTAL FT			440

28000400	PERIMETER EROSION BARRIER		
	STA	TO	STA
	918+98		921+60
			FOOT
TOTAL FT			277

28000500	INLET AND PIPE PROTECTION		
	LOCATION	OFFSET	EACH
	LT	919+00	30' LT
			1
TOTAL EACH			1

40600295	BITUMINOUS MATERIALS (TACK COAT)		
	STA	TO	STA
	918+67		919+96
			POUND
TOTAL POUNDS			19

40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50		
	STA	TO	STA
	918+67		919+96
	918+67		919+96
TOTAL TONS			42

44201771	CLASS D PATCHES, TYPE IV, 10 INCH		
	STA	TO	STA
	918+67		919+96
	918+67		919+96
TOTAL SQ YDS			373

48100500	AGGREGATE SHOULDERS, TYPE A 6"		
	STA	TO	STA
	917+14		921+35
	916+75		921+70
TOTAL SQ YDS			305

50100300	REMOVAL OF EXISTING STRUCTURES, NO. 1		
	LOCATION	OFFSET	EACH
	919+30	0' RT	1
			1
TOTAL EACH			1

50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES		
	STA	TO	STA
	918+94		919+72
			CU YD
TOTAL CU YD			165

51500100	NAME PLATES		
	LOCATION	OFFSET	EACH
	919+00	30' LT	1
			1
TOTAL EACH			1

52200020	TEMPORARY SOIL RETENTION SYSTEM		
	STA	TO	STA
	918+67		919+96
			SQ FT
TOTAL SQ FT			1456

542A1117	PIPE CULVERTS, CLASS A, TYPE 2 72"		
	STA	TO	STA
	918+94		919+72
			FOOT
TOTAL FT			61

5421A015	PIPE CULVERTS, CLASS A, TYPE 1 15" (TEMPORARY)		
	STA	TO	STA
	918+49		918+94
	919+00		919+70
TOTAL FT			115

54215472	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 72"		
	STA	TO	STA
	918+67		919+96
			EACH
TOTAL EACH			1

54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION		
	STA	TO	STA
	918+67		919+96
			FOOT
TOTAL FT			253

58600101	GRANULAR BACKFILL FOR STRUCTURES		
	STA	TO	STA
	916+50		921+50
			CU YD
TOTAL CU YD			540

60100060	CONCRETE HEADWALL FOR PIPE DRAINS		
	LOCATION	OFFSET	EACH
	918+67	24.5' LT	1
	918+67	32.5' RT	1
	919+96	13.0' LT	1
	919+96	32.5' RT	1
TOTAL EACH			4

60108204	PIPE UNDERDRAINS, TYPE 2, 4"		
	LOCATION	OFFSET	FOOT
	918+67	VARIABLE	57
	919+96	VARIABLE	57
TOTAL FT			114

63200310	GUARDRAIL REMOVAL		
	STA	TO	STA
	918+90		920+53
			FOOT
TOTAL FT			163

63500105	DELINEATORS		
	STA	TO	STA
	918+67		919+96
			EACH
TOTAL EACH			2

66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS		
	LOCATION	OFFSET	EACH
	917+50	40' RT	1
	919+50	75' RT	1
	920+05	135' RT	1
	920+46.45	100' RT	1
	920+47.12	70' RT	1
	921+60	35' RT	1
TOTAL EACH			6

66700305	PERMANENT SURVEY MARKERS, TYPE II		
	LOCATION	OFFSET	EACH
	*LOCATION DETERMINED BY DISTRICT CHIEF OF SURVEY		1
			1
TOTAL EACH			1

70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS		
	STA	TO	STA
	916+75		921+70
			EACH
TOTAL EACH			1

70106700	TEMPORARY RUMBLE STRIPS		
	STA	TO	STA
	916+75		921+70
	916+75		921+70
TOTAL EACH			6

70300150	SHORT TERM PAVEMENT MARKING REMOVAL		
	STA	TO	STA
	915+76		922+42
	915+78		923+75
TOTAL SQ FT			784

MODEL:
FILE NAME:



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	DRAWN - RA	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - JR	REVISED -
PLOT DATE = 8/5/2025	DATE - 5/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
SCHEDULE OF QUANTITIES

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
636	136CR	HENRY	49	9
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

EARTHWORK SCHEDULE

70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE			
	STA	TO	STA	FOOT
STG 1	915+76		922+42	1069
STG 2	915+78		923+75	1283
	TOTAL FT			2352
70400100	TEMPORARY CONCRETE BARRIER			
	STA	TO	STA	FOOT
STG 1	917+41		921+34	393
STG 2	920+98		921+72	75
	TOTAL FT			468
70400125	PINNING TEMPORARY CONCRETE BARRIER			
	STA	TO	STA	EACH
STG 1	917+41		921+34	87
STG 2	917+03		921+72	105
	TOTAL EACH			192
70400200	RELOCATE TEMPORARY CONCRETE BARRIER			
	STA	TO	STA	FOOT
STG 2	917+03		920+98	393
	TOTAL FT			393
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3			
	LOCATION		OFFSET	EACH
STG 1	917+41		4.94' RT	1
STG 1	921+34		4.94' RT	1
	TOTAL EACH			2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3			
	STA	TO	STA	EACH
STG 2	916+78		0'	1
STG 2	921+72		4.11' LT	1
	TOTAL EACH			2
78001110	PAINT PAVEMENT MARKING - LINE 4"			
	STA	TO	STA	FOOT
COAT 1	915+66		923+02	2944
COAT 2	915+66		923+02	2944
	TOTAL FT			5888
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING			
	STA	TO	STA	SQ FT
	915+66		923+02	1143
	TOTAL SQ FT			1143
X0322938	TEMPORARY END SECTION			
	LOCATION		OFFSET	EACH
	918+49		30' LT	1
	919+00		30' LT	1
	919+70		30' LT	1
	TOTAL EACH			3
X0327423	CONNECTION TO EXISTING CULVERT			
	LOCATION		OFFSET	EACH
	919+68		30' LT	1
	TOTAL EACH			1
X2810110	STONE RIPRAP, CLASS A5 (SPECIAL)			
	STA	TO	STA	SQ YD
	918+67		919+96	147
	TOTAL SQ YD			147
X4400110	TEMPORARY PAVEMENT REMOVAL			
	STA	TO	STA	SQ YD
STG 1	917+28		921+47	247
STG 2	916+75		921+70	461
	TOTAL SQ YDS			708

LOCATION		20200100 EARTH EXCAVATION	ADJUSTED EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	20400800 FURNISHED EXCAVATION EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
IL 82		CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
STG 1		130.6	111.0	431.7	-320.7
STG 2		136.1	115.7	0.0	115.7
STA	917+00 TO 921+70	266.7	226.7	431.7	-205.0

X5420201	DROP BOX NO. 1			
	STA	TO	STA	EACH
	916+75		921+70	1
	TOTAL EACH			1
X6028050	TEMPORARY MANHOLE			
	LOCATION		OFFSET	EACH
	919+00		30' LT	1
	TOTAL EACH			1
X7200075	REMOVE AND REINSTALL SIGN PANEL			
	LOCATION		OFFSET	SQ FT
EX	919+28		23' RT	9
PR	920+00		26' RT	
	TOTAL SQ FT			9.0
Z0054500	ROCK FILL			
	STA	TO	STA	TONS
	916+75		921+70	272
	TOTAL CU YD			272
Z0062456	TEMPORARY PAVEMENT			
	STA	TO	STA	SQ YD
PRE	917+28		921+47	247
STG 1	916+75		921+70	461
	TOTAL SQ YD			708

MODEL:
FILE NAME:



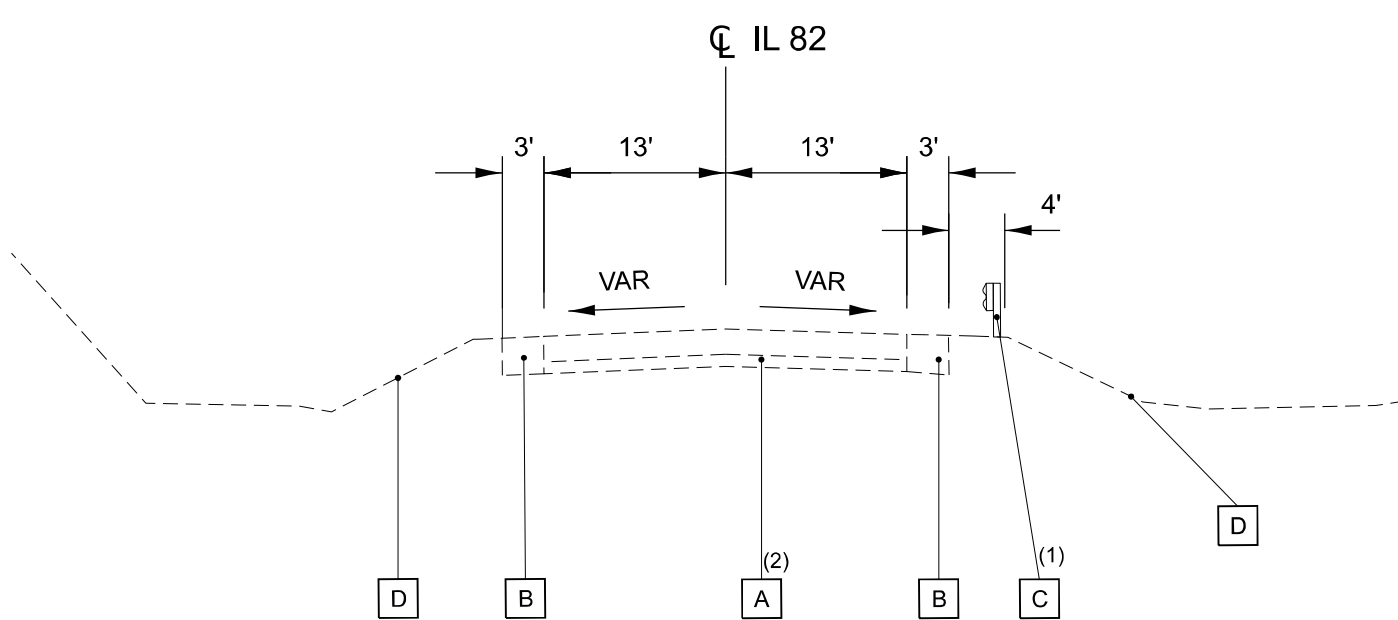
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	DRAWN - RA	REVISED -
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PLOT DATE = 8/5/2025	DATE - 5/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	10
			CONTRACT NO. 64L71	
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL SECTION

STA 917+14 TO STA 921+35

NOTES

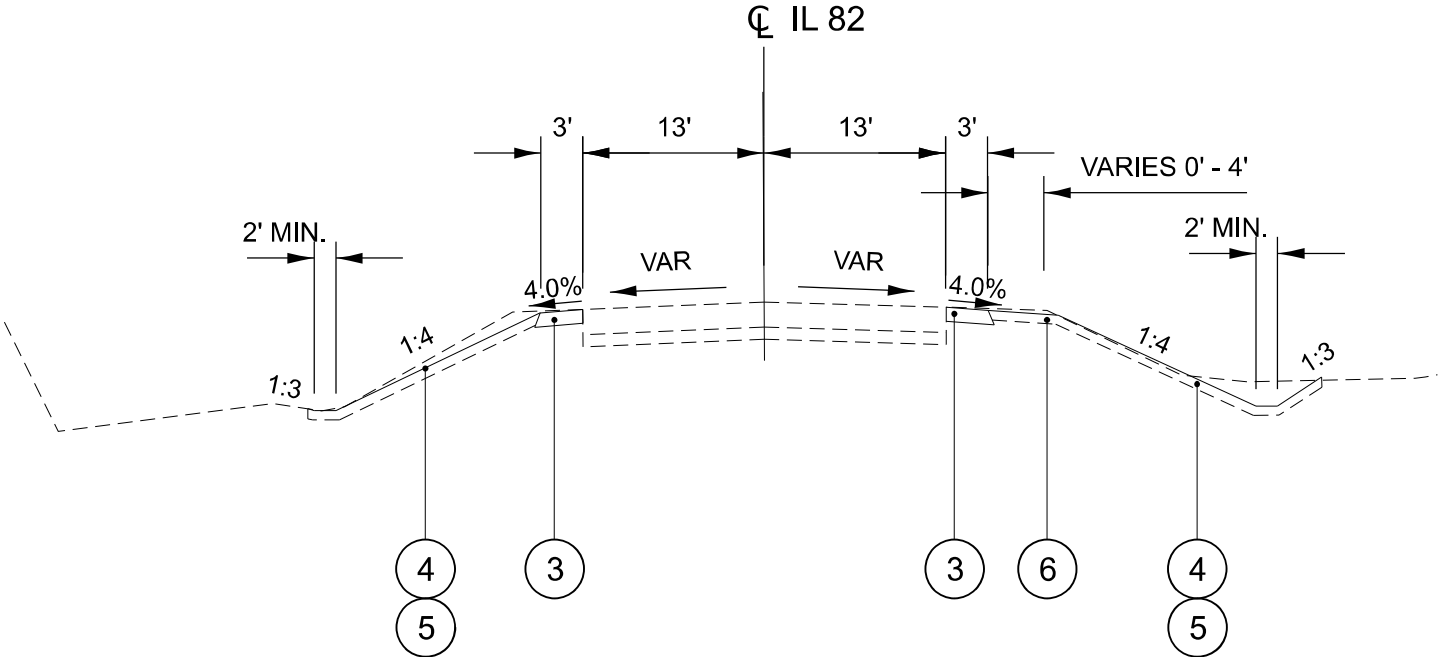
- 1. STA 918+88 RT TO STA 920+54 RT
- 2. REMOVAL FOR PATCH STA 918+67 TO STA 919+96

EXISTING LEGEND

- A 7" HOT-MIX ASPHALT OVER 3" BRICK ON 6" AND VAR. PCC
- B AGGREGATE SHOULDER
- C GUARDRAIL
- D GROUND

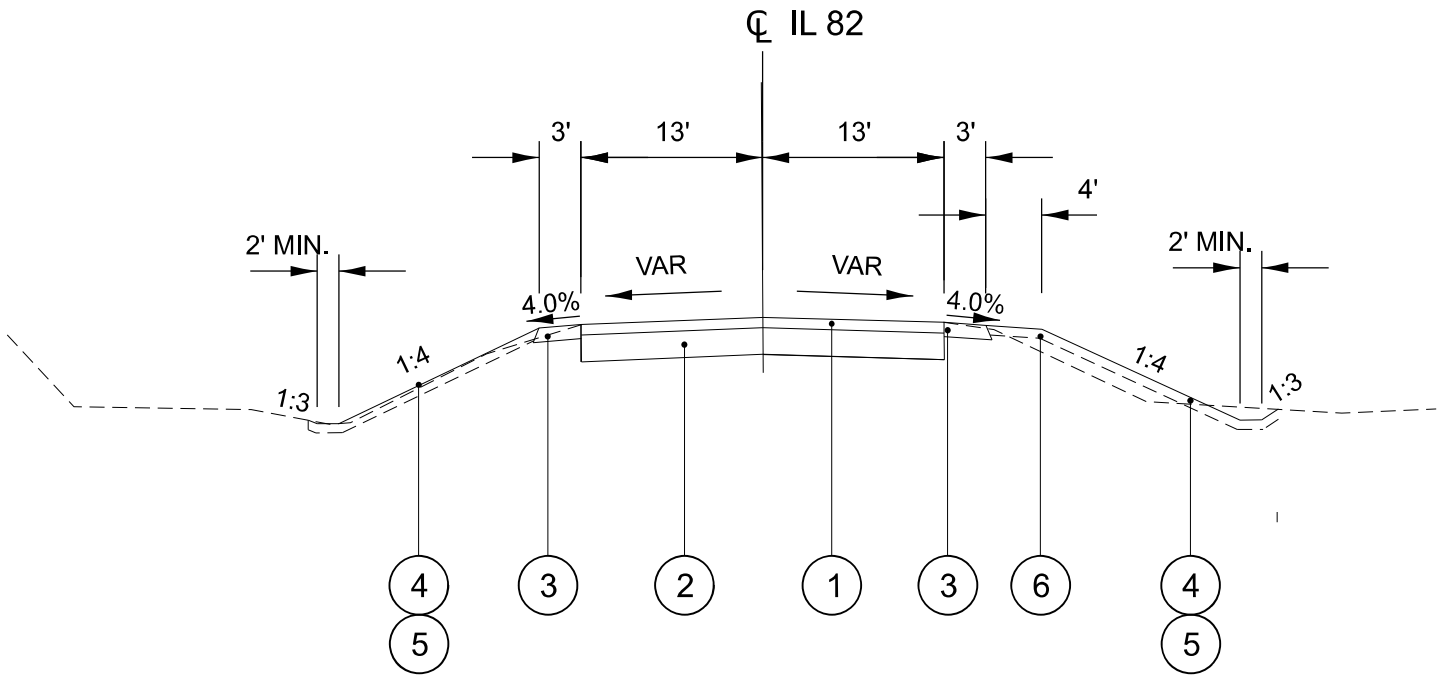
PROPOSED LEGEND

- 1 2" - HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "D", N50
- 2 CLASS D PATCH, TYPE IV, 10"
- 3 AGGREGATE SHOULDER, 6"
- 4 TOPSOIL FURNISH AND PLACE, 4"
- 5 SEEDING
- 6 TURF SHOULDER



PROPOSED TYPICAL SECTION

RIGHT: STA 916+75 TO STA 918+67
STA 919+96 TO STA 921+70
LEFT: STA 917+13.62 TO STA 918+67
STA 919+96 TO STA 921+34.9



PROPOSED TYPICAL SECTION

STA 918+67 TO STA 919+96

MODEL:
FILE NAME:



USER NAME = msomer	DESIGNED - SH	REVISED - ____
	DRAWN - RA	REVISED - ____
PLOT SCALE = \$SCALE\$	CHECKED - JR	REVISED - ____
PLOT DATE = 8/5/2025	DATE - 5/30/2025	REVISED - ____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82			
TYPICAL SECTIONS			
SCALE: #1/8"	SHEET 1	OF ### SHEETS	STA. 916+00.00 TO STA. 922+00.00

F.A.P. RTE. 638	SECTION 136CR	COUNTY HENRY	TOTAL SHEETS 49	SHEET NO. 11
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

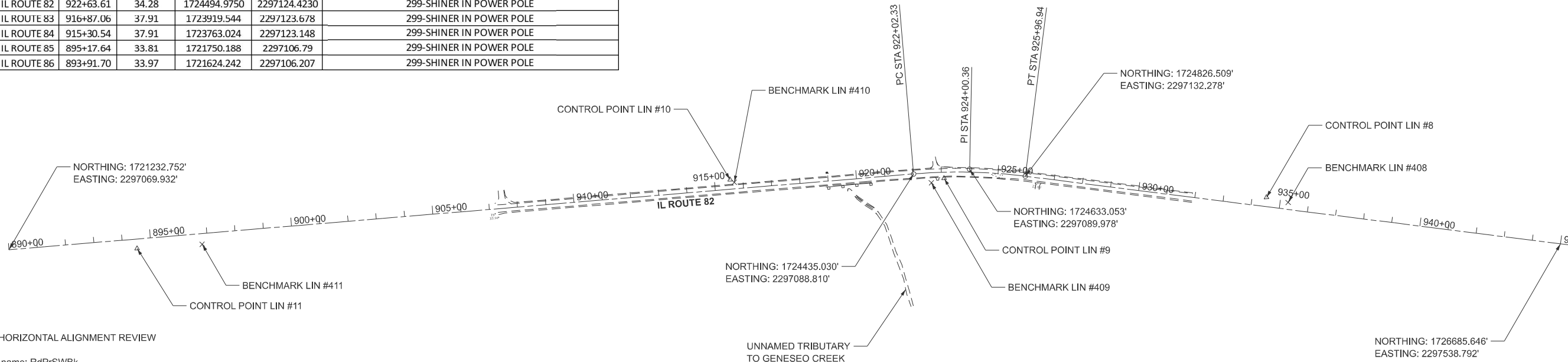
HORIZONTAL CONTROL POINTS							
POINT NO.	CHAIN	STATION	OFFSET	NORTHING	EASTING	ELEVATION	POINT DESCRIPTION
LIN8	IL ROUTE 82	934+50.41	-32.55	1725667.2370	2297282.7960	706.5860	SET 5/8" REBAR WITH D2 CAP
LIN9	IL ROUTE 82	923+09.39	21.37	1724540.6703	2297113.8123	704.9150	5/8" REBAR WITH D2 CAP
LIN10	IL ROUTE 82	915+55.33	-33.88	1723788.2425	2297051.1188	705.1460	5/8" REBAR WITH D2 CAP
LIN11	IL ROUTE 82	894+50.51	33.4	1721683.0570	2297105.9878	727.1640	SET 5/8" REBAR WITH D2 CAP

BENCHMARKS						
POINT NO.	CHAIN	STATION	OFFSET	ELEVATION	POINT DESCRIPTION	
LIN408	IL ROUTE 82	935+28.32	-24.52	703.5810	CUT SQUARE NORTHWEST CORNER OF HEADWALL, WEST SIDE IL-82, STAMPED STA. 132+50	
LIN409	IL ROUTE 82	922+63.09	35.39	705.1470	R.R. SPIKE IN POWER POLE, EAST SIDE IL-82, STAMPED STA. 145+12	
LIN410	IL ROUTE 82	915+69.39	-22.96	703.0290	CUT SQUARE SOUTHWEST CORNER CONCRETE DITCH CHECK, WEST SIDE IL-82, APPROX. 900 FEET NORTH OF 1700N	
LIN411	IL ROUTE 82	896+80.65	37.59	728.7300	CUT SQUARE SW COR. CONC. FOUNDATION FOR ABOVE GROUND SPLICE BOX, EAST SIDE I-82, STAMPED STA. 176+00	

REFERENCE TIES						
POINT NO.	CHAIN	STATION	OFFSET	NORTHING	EASTING	POINT DESCRIPTION
LIN514	IL ROUTE 82	934+57.67	31.35	1725660.6760	2297346.7650	299-SHINER IN POWER POLE
LIN515	IL ROUTE 82	933+81.60	-37.33	1725601.0330	2297263.4260	299-SHINER IN FENCE POST
LIN516	IL ROUTE 82	923+77.05	35.9	1724605.1650	2297133.5750	299-SHINER IN POWER POLE
LIN517	IL ROUTE 82	922+63.61	34.28	1724494.9750	2297124.4230	299-SHINER IN POWER POLE
LIN518	IL ROUTE 83	916+87.06	37.91	1723919.544	2297123.678	299-SHINER IN POWER POLE
LIN519	IL ROUTE 84	915+30.54	37.91	1723763.024	2297123.148	299-SHINER IN POWER POLE
LIN520	IL ROUTE 85	895+17.64	33.81	1721750.188	2297106.79	299-SHINER IN POWER POLE
LIN521	IL ROUTE 86	893+91.70	33.97	1721624.242	2297106.207	299-SHINER IN POWER POLE

CURVE DATA

EX CURVE
PI STA = 924+00.36
Δ = 11°59'46" (RT)
D = 03°02'24"
R = 1,884.69'
T = 198.03'
L = 394.61'
E = 10.37'
e = _____
PC STA = 922+02.33
PT STA = 925+96.94



BENTLEY HORIZONTAL ALIGNMENT REVIEW

* Alignment name: RdPrSWbk
* Alignment description:
* Alignment style:

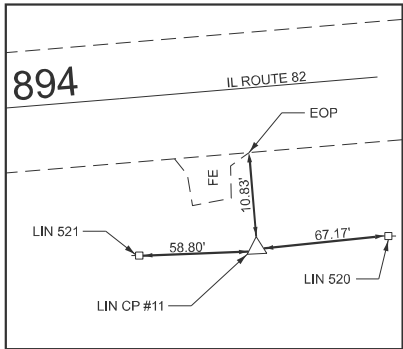
	STATION	NORTHING	EASTING
Element: Linear			
START (START)	89000.000 R1	1721232.752	2297069.932
PC (PC)	92202.334 R1	1724435.030	2297088.810

Tangential Direction: N0.338°E
Tangential Length: 3202.334

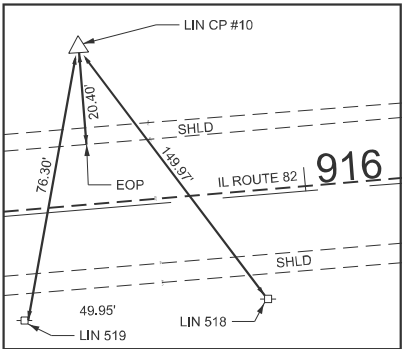
Element: Circular			
PC (PC)	92202.334 R1	1724435.030	2297088.810
HPI (HPI)	92400.360 R1	1724633.053	2297089.978
CC (CC)		1724423.919	2298973.469
PT (PT)	92596.939 R1	1724826.509	2297132.278

Radius: 1884.692
Delta: 11.996° Right
Degree of Curvature(Arc): 3.040°
Length: 394.605
Tangent: 198.027
Chord: 393.885
Middle Ordinate: 10.318
External: 10.375
Tangent Direction: N0.338°E
Radial Direction: S89.662°E
Chord Direction: N6.336°E
Radial Direction: S77.666°E
Tangent Direction: N12.334°E

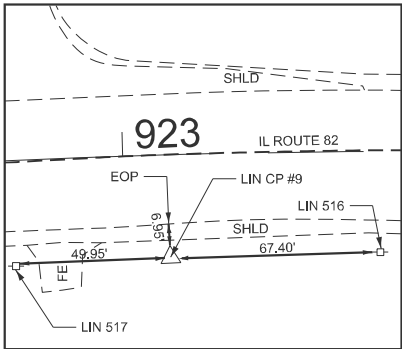
Element: Linear			
PT (PT)	92596.939 R1	1724826.509	2297132.278
END (END)	94500.000 R1	1726685.646	2297538.792
Tangential Direction:	N12.334°E		
Tangential Length:	1903.061		



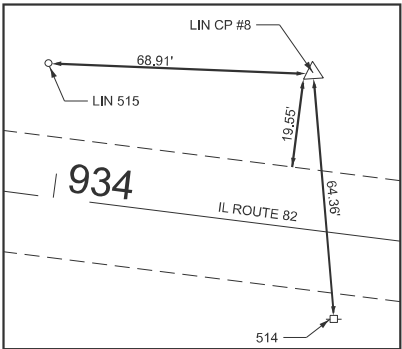
HORIZONTAL CONTROL
POINT LIN CP #11



HORIZONTAL CONTROL
POINT LIN CP #10



HORIZONTAL CONTROL
POINT LIN CP #9



HORIZONTAL CONTROL
POINT LIN CP #8

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

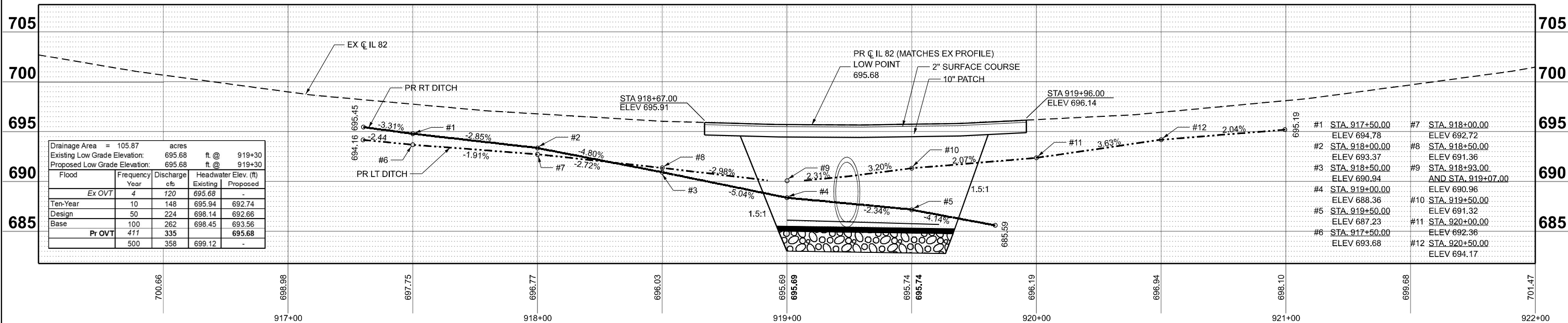
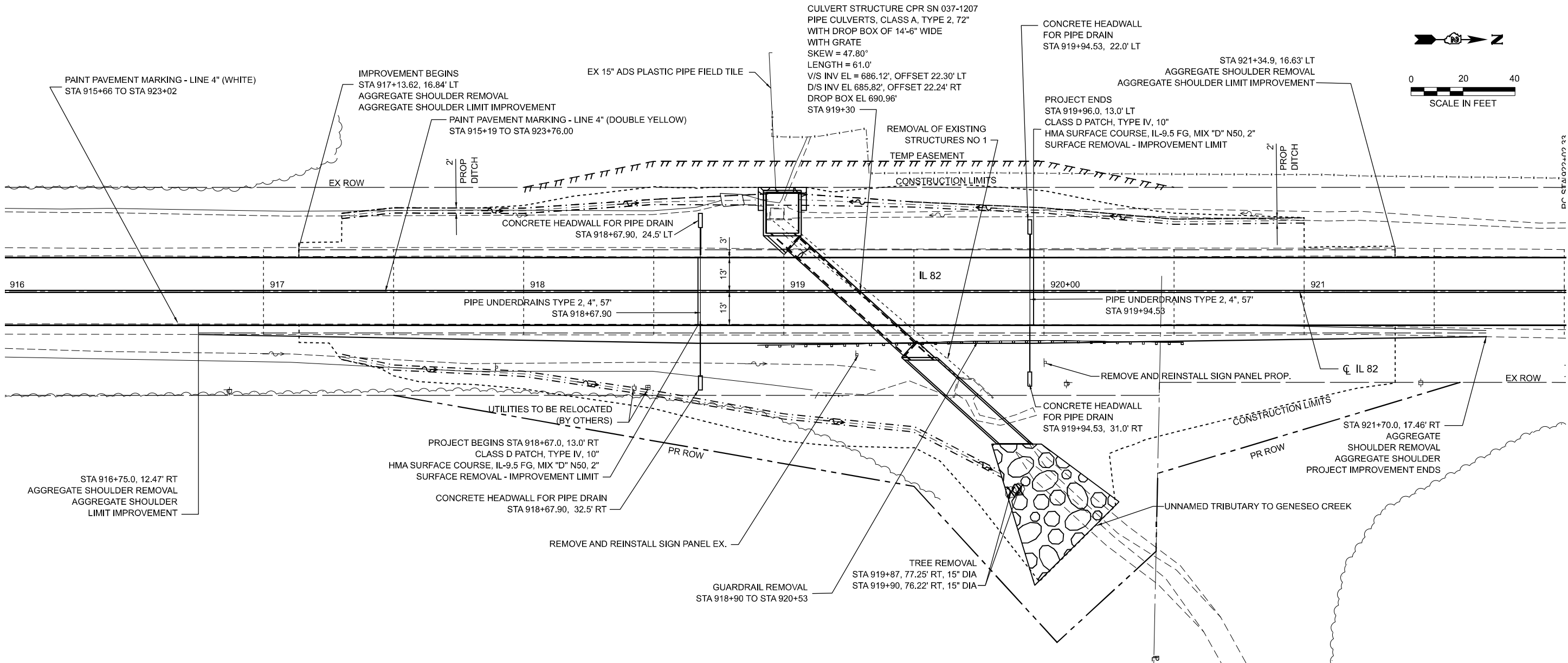
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PLOT DATE = 8/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1:200 SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	12
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				



Drainage Area = 105.87		acres			
Existing Low Grade Elevation:		695.68	ft. @	919+30	
Proposed Low Grade Elevation:		695.68	ft. @	919+30	
Flood	Frequency	Discharge	Headwater Elev. (ft)		
	Year	cfs	Existing	Proposed	
Ex OVT	4	120	695.68		
Ten-Year	10	148	695.94	692.74	
Design	50	224	698.14	692.66	
Base	100	262	698.45	693.56	
Pr OVT	411	335	695.68		
	500	358	699.12	-	

MODEL:
FILE NAME:



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PLOT SCALE = SSCALE\$
PLOT DATE = 8/5/2025

DESIGNED - SH
DRAWN - RA
CHECKED - JR
DATE - 5/30/2025

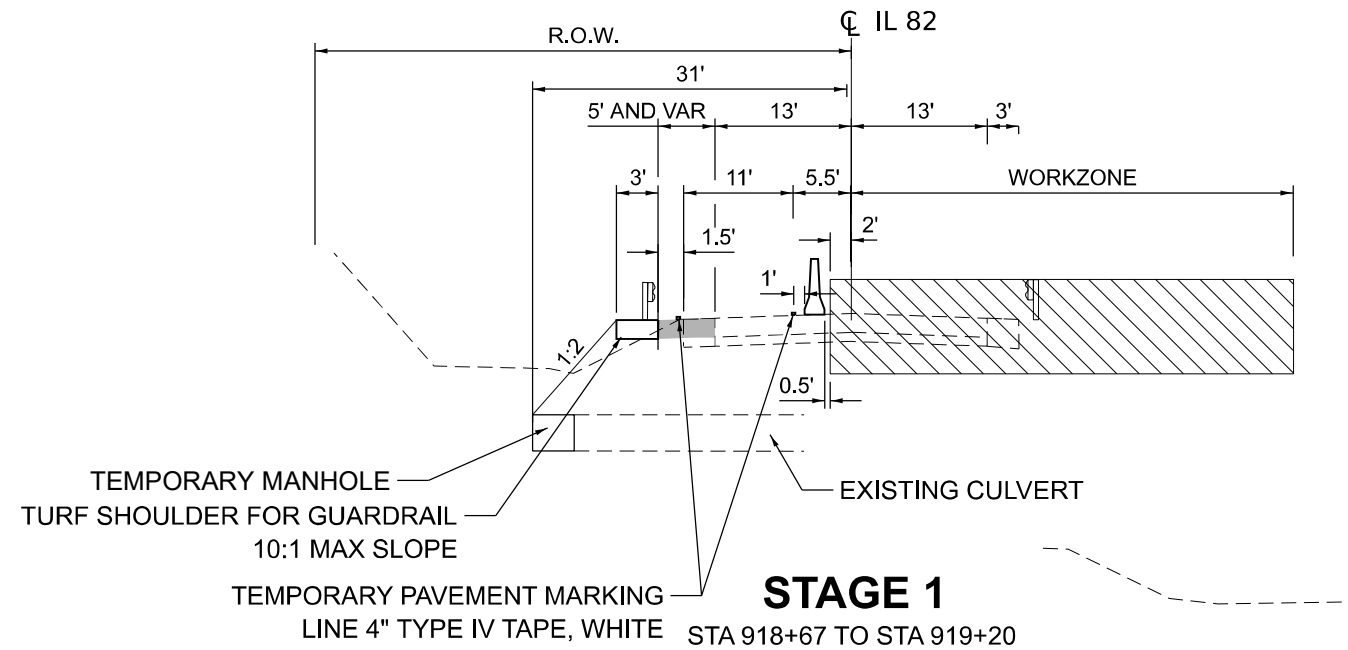
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REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
PLAN AND PROFILE

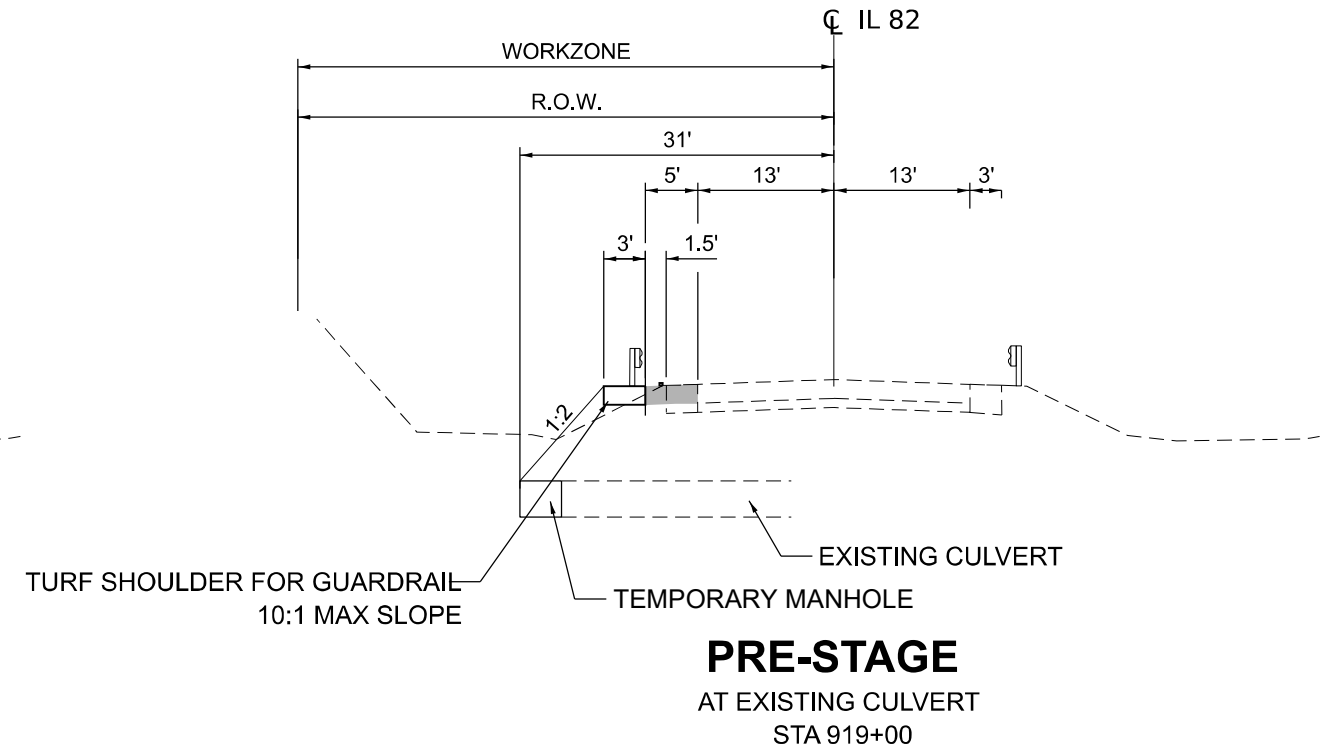
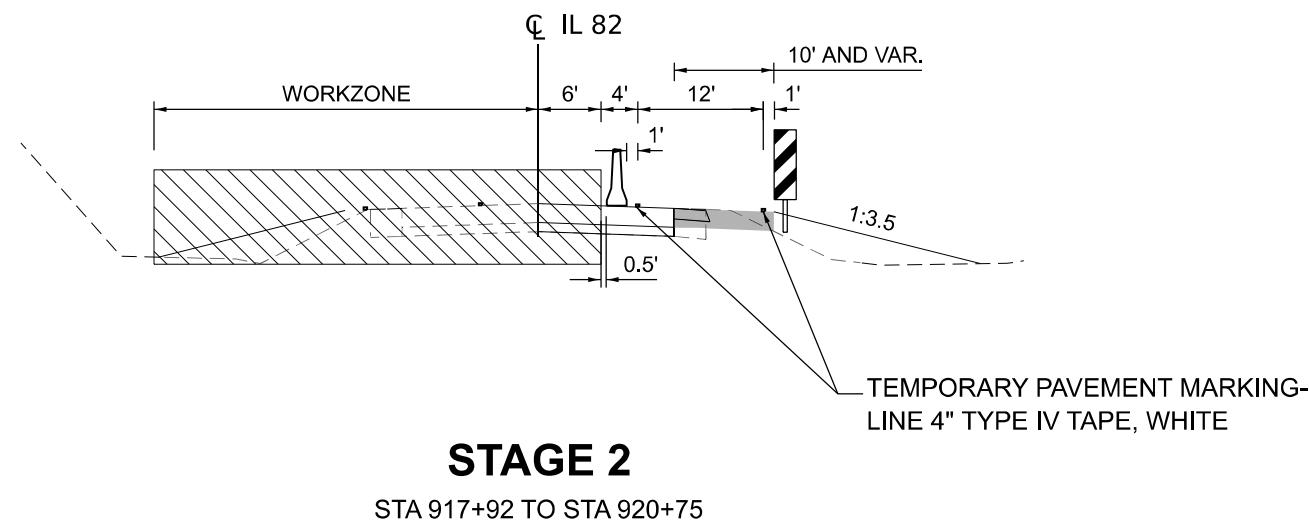
SCALE: SHEET OF #### SHEETS STA. 916+00.00 TO STA. 922+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	13
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				



NOTES

- 1). TEMPORARY PAVEMENT SLOPE MATCH EXISTING.
- 2). 3' WIDE TURF SHOULDER FOR GUARDRAIL 10:1 MAXIMUM SLOPE.
- 3). FOR SUGGESTED CONSTRUCTION STAGING, SEE SPECIFICATIONS.
- 4). FOR PRE-STAGE AND STAGE 1, REGRADE WEST DITCH AS NECESSARY TO DRAIN TO TEMPORARY CULVERT
- 5). WORK ZONE HATCHING FOR PRE-STAGE NOT SHOWN FOR CLARITY



LEGEND

- WORKZONE
- TEMPORARY CONCRETE BARRIER
- POST-MOUNTED VERTICAL PANEL
- TEMPORARY PAVEMENT MATCH EXISTING SLOPE
- TEMPORARY GUARDRAIL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
MAINTENANCE OF TRAFFIC TYPICALS

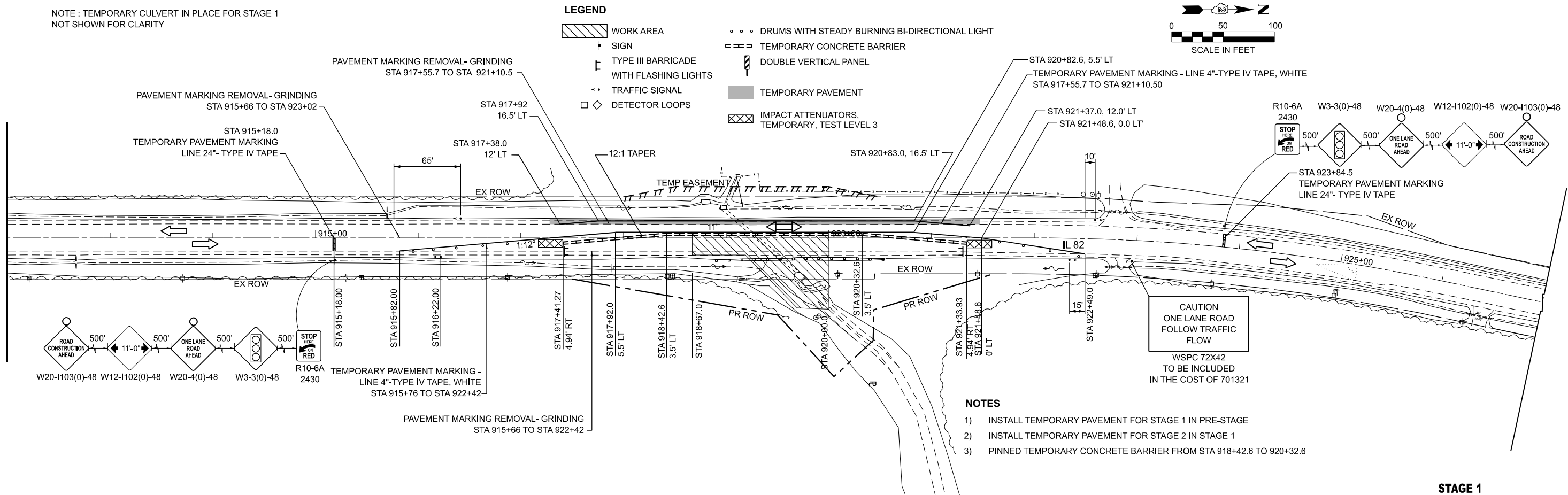
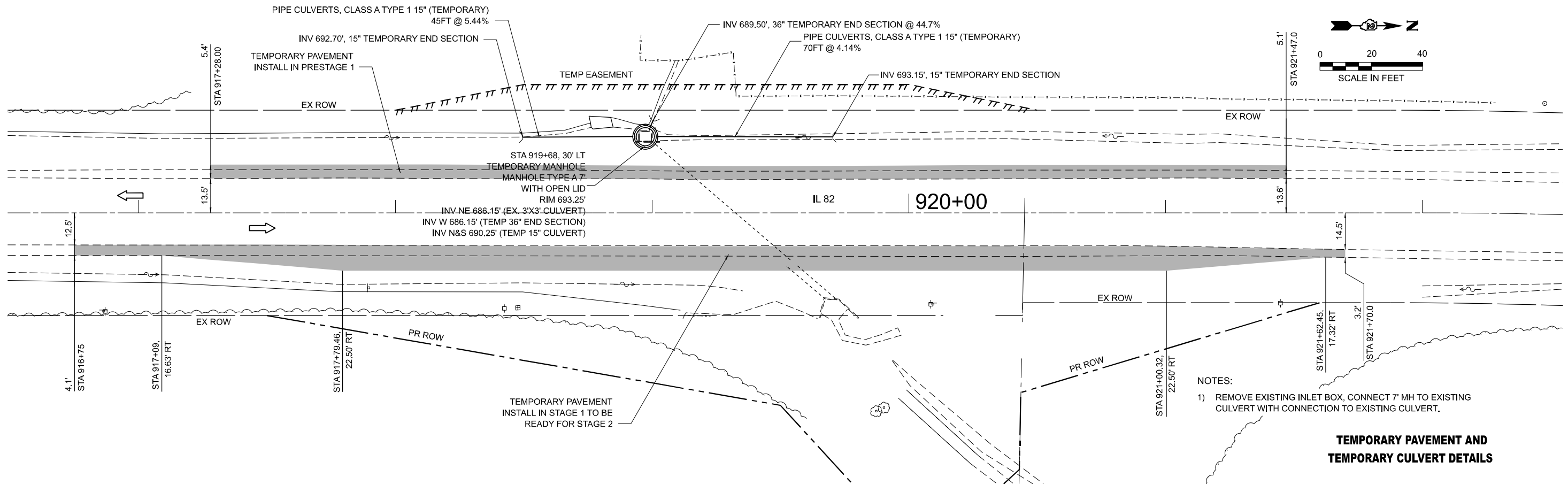
SCALE: $\frac{1}{4}$ " = 1'-0" SHEET 1 OF 4 SHEETS STA. 916+00.00 TO STA. 922+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	14
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

MODEL:
FILE NAME:

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

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DRAWN - RA	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED - JR	REVISED -
PLOT DATE = 8/5/2025	DATE - 5/30/2025	REVISED -



MODEL:
FILE NAME:



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DESIGNED - SH
DRAWN - RA
PLOT SCALE = \$SCALE\$
PLOT DATE = 8/5/2025

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
MAINTENANCE OF TRAFFIC - STAGE 1 AND DETAIL

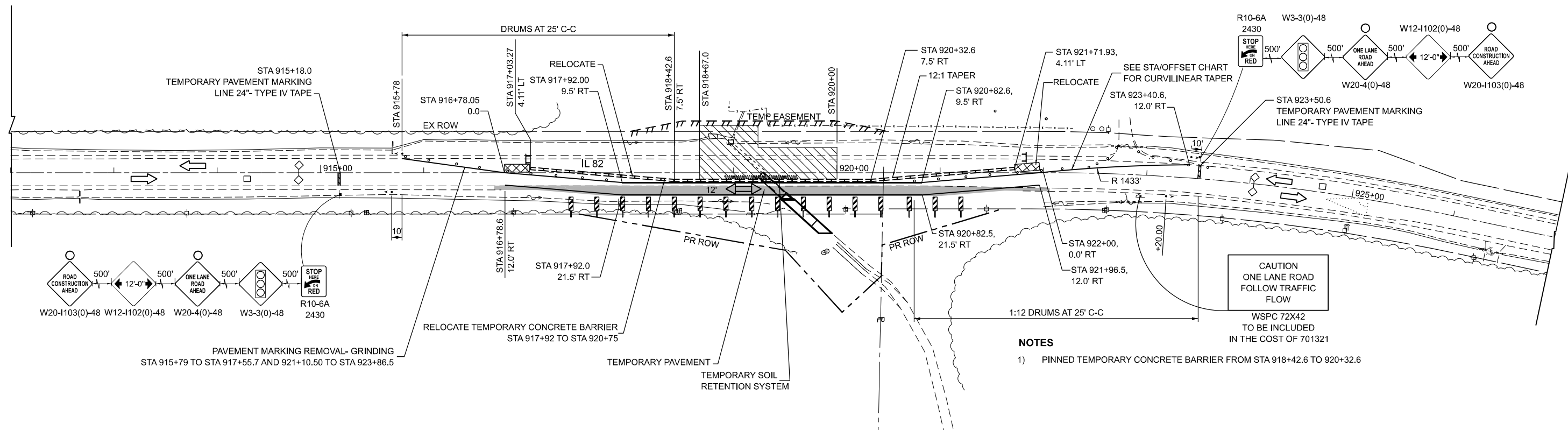
SCALE: 1"=20' & 1"=50' SHEET 1 OF ### SHEETS STA. 912+00.00 TO STA. 942+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	15
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

- WORK AREA
- SIGN
- TYPE III BARRICADE
WITH FLASHING LIGHTS
- TRAFFIC SIGNAL
- DETECTOR LOOPS

- ○ ○ DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- ▬▬▬ TEMPORARY CONCRETE BARRIER
- ▨ DOUBLE VERTICAL PANEL
- TEMPORARY PAVEMENT
- ▣ IMPACT ATTENUATORS,
TEMPORARY, TEST LEVEL 3

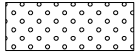
CURVILINEAR TAPER	
STA	OFF
922+00	0' LT
922+20	2.3' LT
922+40	4.3' LT
922+60	6.1' LT
922+80	7.8' LT
923+00	9.5' LT
923+20	11.1' LT
923+40	11.9' LT
923+40.6	12.0' LT

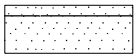


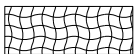
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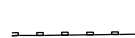
- 1) PINNED TEMPORARY CONCRETE BARRIER FROM STA 918+42.6 TO 920+32.6

EROSION LEGEND:

- 

SEEDING CLASS 2A
FERTILIZER
- 

SEEDING CLASS 4
- 

EROSION CONTROL BLANKET
- 

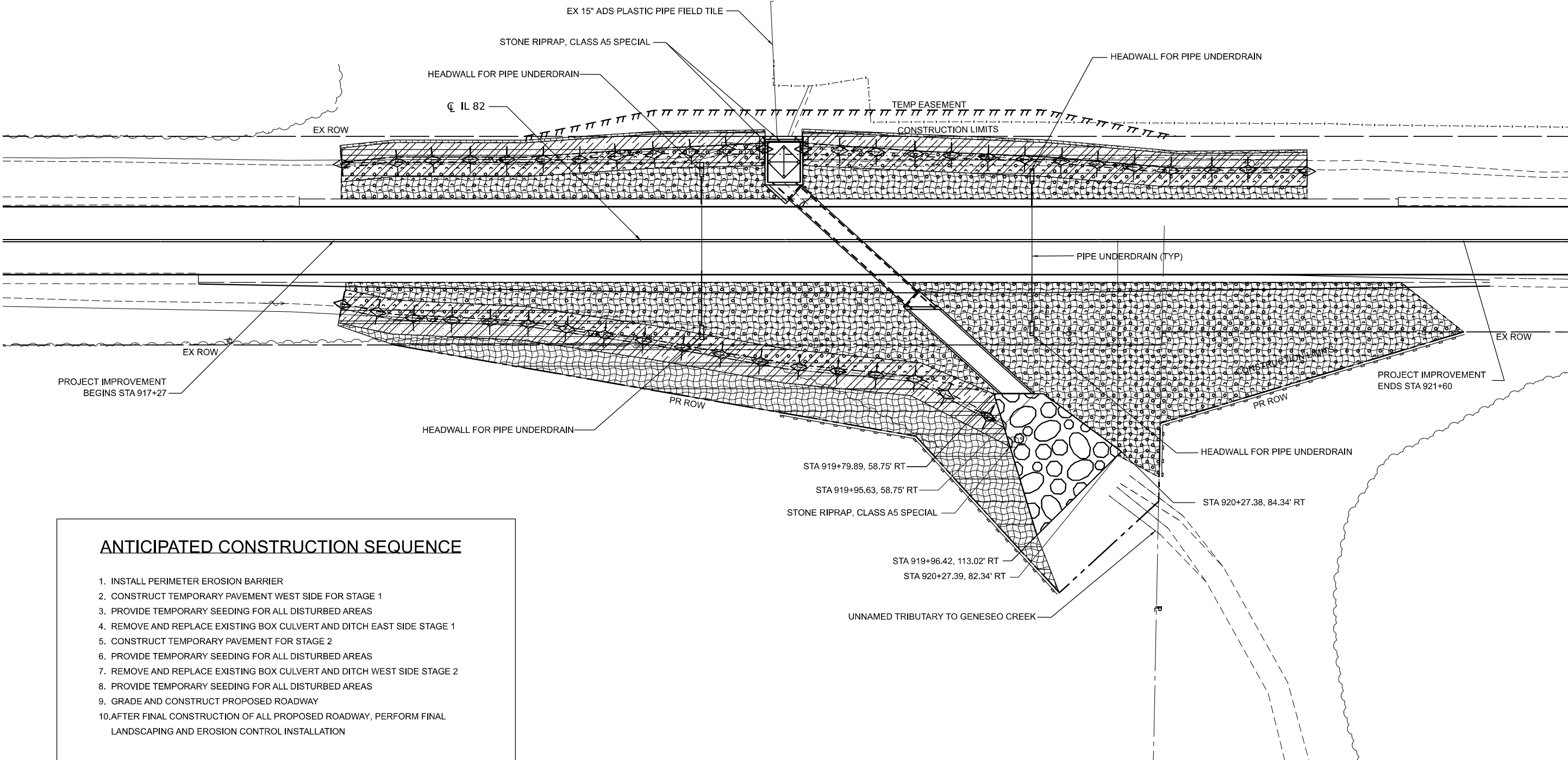
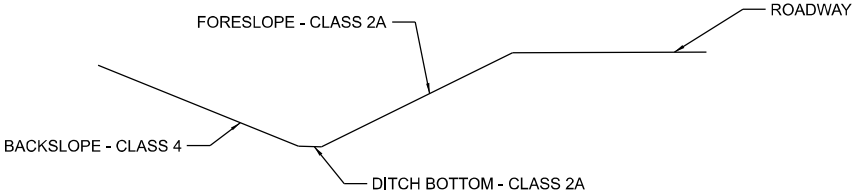
PERIMETER EROSION BARRIER
- 

TEMPORARY DITCH CHECK
- 

INLET & PIPE PROTECTION
- 

TURF REINFORCEMENT MAT

SEEDING DETAIL - LEFT AND RIGHT DITCH



ANTICIPATED CONSTRUCTION SEQUENCE

1. INSTALL PERIMETER EROSION BARRIER
2. CONSTRUCT TEMPORARY PAVEMENT WEST SIDE FOR STAGE 1
3. PROVIDE TEMPORARY SEEDING FOR ALL DISTURBED AREAS
4. REMOVE AND REPLACE EXISTING BOX CULVERT AND DITCH EAST SIDE STAGE 1
5. CONSTRUCT TEMPORARY PAVEMENT FOR STAGE 2
6. PROVIDE TEMPORARY SEEDING FOR ALL DISTURBED AREAS
7. REMOVE AND REPLACE EXISTING BOX CULVERT AND DITCH WEST SIDE STAGE 2
8. PROVIDE TEMPORARY SEEDING FOR ALL DISTURBED AREAS
9. GRADE AND CONSTRUCT PROPOSED ROADWAY
10. AFTER FINAL CONSTRUCTION OF ALL PROPOSED ROADWAY, PERFORM FINAL LANDSCAPING AND EROSION CONTROL INSTALLATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
EROSION CONTROL PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	17
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = msomer	DESIGNED - SH	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - RA	REVISED -
PLOT DATE = 8/5/2025	CHECKED - JR	REVISED -
	DATE - 5/30/2025	REVISED -

MODEL:
FILE NAME:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

THIS DOCUMENT PREPARED BY AND AFTER RECORDING, RETURN TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
ATTN: BUREAU OF LAND ACQUISITION
819 DEPOT AVENUE
DIXON, IL 61021

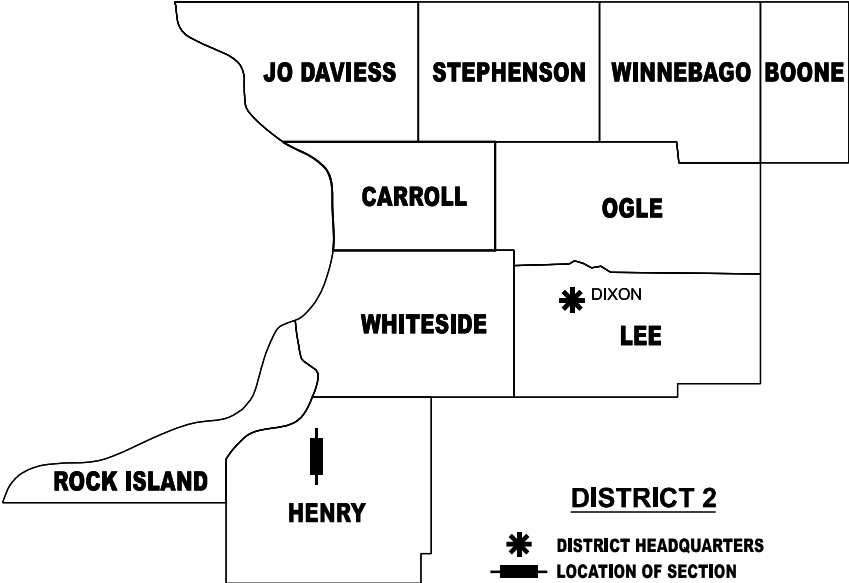
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PLAT OF HIGHWAYS

FAP ROUTE 638 (IL 82)
SECTION 136CR
HENRY COUNTY
JOB NO. R-92-007-24

SHEET INDEX		
SHEET NO.	STATION to STATION	DESCRIPTION
1	N/A	COVER
2	N/A	GENERAL NOTES & LEGEND
3	907+00 TO 922+00	PLAT OF HIGHWAYS
4	921+00 TO 936+00	PLAT OF HIGHWAYS
5	935+00 TO 950+00	PLAT OF HIGHWAYS
6	949+00 TO 960+00	PLAT OF HIGHWAYS
7	N/A	TOTAL HOLDING

PARCEL NO.	OWNER	SHEET NUMBER(S)	PERMANENT TAX NUMBER(S) AFFECTED	PROPERTY ACQUIRED BY
20724001	DAVID W. GRADERT, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED DECEMBER 14, 2021, KNOWN AS THE DAVID W. GRADERT TRUST, AS TO AN UNDIVIDED 1/2 INTEREST AND BRADLEY W. GRADERT, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED DECEMBER 14, 2021, KNOWN AS THE BRADLEY W. GRADERT TRUST, AS TO AN UNDIVIDED 1/2 INTEREST	3	13-04-300-002	
20724002	NORMAN B. HUTCHINSON AND GAIL G. HUTCHINSON, TRUSTEES UNDER THE NORMAN B. AND GAIL G. HUTCHINSON LIVING TRUST, DATED MARCH 19, 2010	3	13-04-300-004	
20724003	GORDON R. SAMMONS AND ANNIE K. SAMMONS, HUSBAND AND WIFE, AS JOINT TENANTS	3	13-05-400-006	



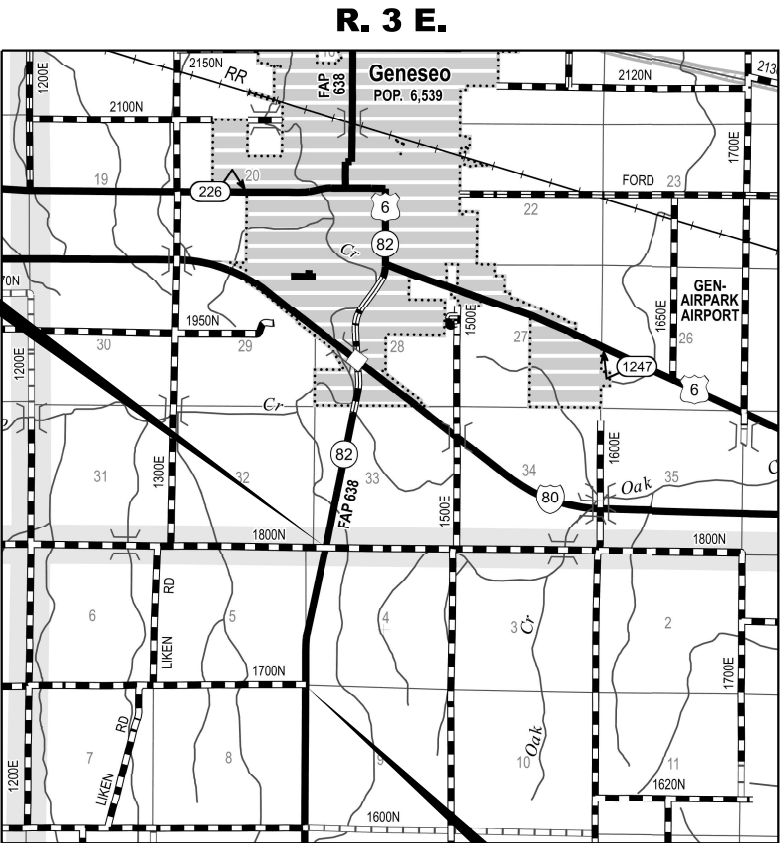
PLAT OF HIGHWAYS ENDS
STA. 959+05

PREPARED BY:



Chamlin & Associates, Inc.
4152 Progress Boulevard
Peru, IL 61354
Ph: (815) 223-3344

IL Professional Design
Firm No. 184-001717

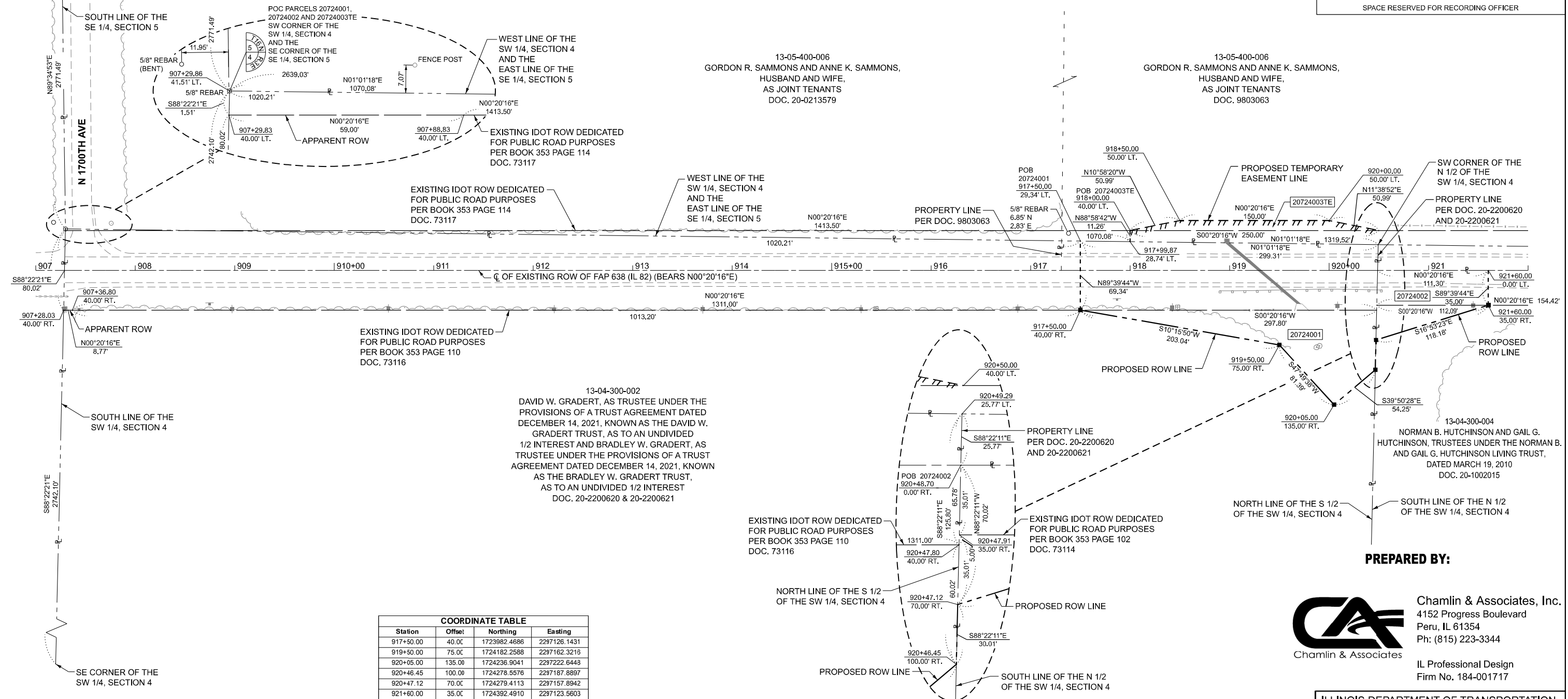


PLAT OF HIGHWAYS BEGINS
STA. 907+28

SHEET 1 OF 7				
ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF LAND ACQUISITION/REGION 2/DISTRICT 2 819 DEPOT AVENUE DIXON, IL 61021				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	18
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

PART OF THE SW 1/4 OF SECTION 4 AND
PART OF THE SE 1/4 OF SECTION 5
T. 16 N., R. 3 E., 4TH P.M., HENRY COUNTY, ILLINOIS

SPACE RESERVED FOR RECORDING OFFICER



COORDINATE TABLE			
Station	Offset	Northing	Easting
917+50.00	40.00	1723982.4686	2287126.1431
919+50.00	75.00	1724182.2588	2287162.3216
920+05.00	135.00	1724236.9041	2287222.6448
920+46.45	100.00	1724278.5576	2287187.8897
920+47.12	70.00	1724279.4113	2287157.8942
921+60.00	35.00	1724392.4910	2287123.5603

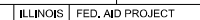
PARCEL NO.	OWNER	TITLE COMMITMENT	TOTAL FOLDING *SEE SOURCE TABLE				ROW REQUIRED								EASEMENTS			
			AREA REQUIRED		AREA IN EXISTING ROADWAY		NET AREA REQUIRED		AREA REMAINING		PE=PERMANENT TE=TEMPORARY		EASEMENT PURPOSE					
			*	ACRES	*	SQ FT	ACRES	SQ FT	ACRES	SQ FT	ACRES	SQ FT	ACRES	SQ FT	ACRES	SQ FT		
20724001	DAVID W. GRADERT, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED DECEMBER 14, 2021, KNOWN AS THE DAVID W. GRADERT TRUST, AS TO AN UNDIVIDED 1/2 INTEREST AND BRADLEY W. GRADERT, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED DECEMBER 14, 2021, KNOWN AS THE BRADLEY W. GRADERT TRUST, AS TO AN UNDIVIDED 1/2 INTEREST	HN-1373.0	1	82.9915			3.7001		0.4630		0.2371		82.2914					
20724002	NORMAN B. HUTCHINSON AND GAIL G. HUTCHINSON, TRUSTEES UNDER THE NORMAN B. AND GAIL G. HUTCHINSON LIVING TRUST, DATED MARCH 19,2010	HN-1374.0	1	80.0171			3.1348		0.0898		0.0450		79.8823					
20724003	GORDON R. SAMMONS AND ANNE K. SAMMONS, HUSBAND AND WIFE, AS JOINT TENANTS	HN-1375.0	1	51.0743										TE 0.0459		GRADING AND SHAPING		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	20
		CONTRACT NO. 64L71		

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 02/07/2025	ROW STAKING: mm/dd/year

ILLINOIS	FED. AID PROJECT
----------	------------------

SPACE RESERVED FOR RECORDING OFFICER



Chamlin & Associates

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 02/07/2025	ROW STAKING: mm/dd/year

FAP 638 (IL 82)			
	Station	Northing	Easting
POT	544+36.88	1686670.1162	2296953.0214
PC	580+10.35	1690243.5718	2296965.3729
PI	585+53.99	1690787.2018	2296967.2519
PT	590+97.62	1691330.8327	2296965.6922
PI	611+94.81	1693428.0197	2296959.6753
PC	652+42.66	1697475.8226	2296940.6356
PI	656+39.70	1697872.8594	2296938.7680
PT	660+36.73	1698269.8926	2296941.2733
PI	709+83.72	1703216.7786	2296972.4748
PC	760+31.24	1708264.1133	2297016.2004
PI	765+31.24	1708764.0946	2297020.5306
PT	770+31.24	1709264.0914	2297022.2981
PI	867+44.71	1718977.5015	2297056.6362
PC	922+02.33	1724435.0303	2297088.8104
PI	924+00.36	1724633.0535	2297089.9779
PT	925+96.94	1724826.5094	2297132.2784
PC	956+37.76	1727797.1459	2297781.8299
PI	956+89.54	1728043.1161	2297835.6131
PT	961+441.32	1728280.6602	2207886.7010
PI	980+18.78	1730128.0634	2298267.6482
PC	1017+81.37	1733811.9485	2299033.2402
PI	1020+46.44	1734071.4676	2299087.1740
PT	1023+08.20	1734335.9144	2299069.0944
POT	1039+36.47	1735960.3870	2299858.0332

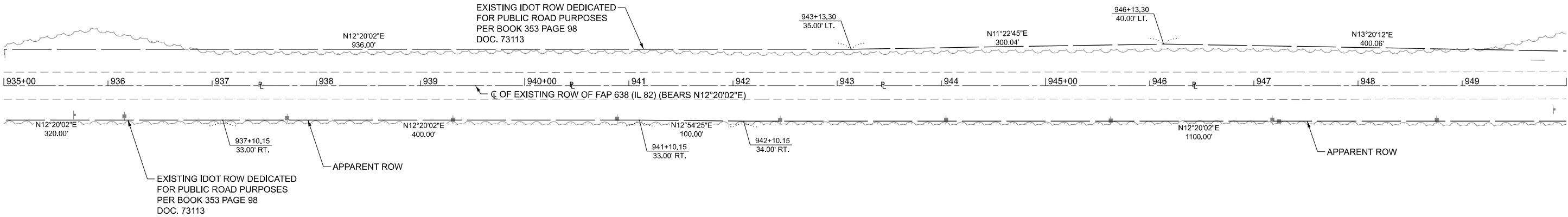
PART OF THE NW 1/4 OF SECTION 4
T. 16 N., R. 3 E., 4TH P.M., HENRY COUNTY, ILLINOIS

USER NAME = msh
PLOT DATE = 5/22/2025



SPACE RESERVED FOR RECORDING OFFICER

13-04-100-003
STANLEY E. STORM AND
LINDA M. STORM, TRUSTEES UNDER THE
STANLEY E. STORM LIVING TRUST
DATED MARCH 15, 2002
AND THE
LINDA M. STORM LIVING TRUST
DATED MARCH 15, 2002
DOC. 20-0203631



13-04-100-002
MATTHEW K. STORM AND
LESLI M. STORM, TRUSTEES UNDER THE
MATTHEW K. AND LESLI M. STORM LIVING TRUST
DATED FEBRUARY 22, 2024
DOC. 20-2400900

PREPARED BY:



Chamlin & Associates, Inc.
4152 Progress Boulevard
Peru, IL 61354
Ph: (815) 223-3344

IL Professional Design
Firm No. 184-001717

STATE OF ILLINOIS)
COUNTY OF LASALLE)SS

I, MICHAEL S. RICHETTA, AN ILLINOIS PROFESSIONAL LAND
SURVEYOR, STATE THAT I HAVE SURVEYED THE EXISTING HIGHWAY RIGHT
OF WAY SHOWN HEREON. THIS PROFESSIONAL SERVICE CONFORMS TO THE
CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED _____

MICHAEL S. RICHETTA, PLS NO. 035-003788
LICENSE EXPIRATION DATE: 11/30/2026



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP ROUTE 638 (IL 82)
SECTION 136CR
HENRY COUNTY
JOB NO. R-92-007-24

STATION 935+00 TO STATION 950+00

0 50 100

SCALE IN FEET SHEET 5 OF 7

ILLINOIS DEPARTMENT OF TRANSPORTATION
BUREAU OF LAND ACQUISITION/REGION 2/DISTRICT 2
819 DEPOT AVENUE
DIXON, IL 61021

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	22
CONTRACT NO. 64L71				

ILLINOIS FED. AID PROJECT

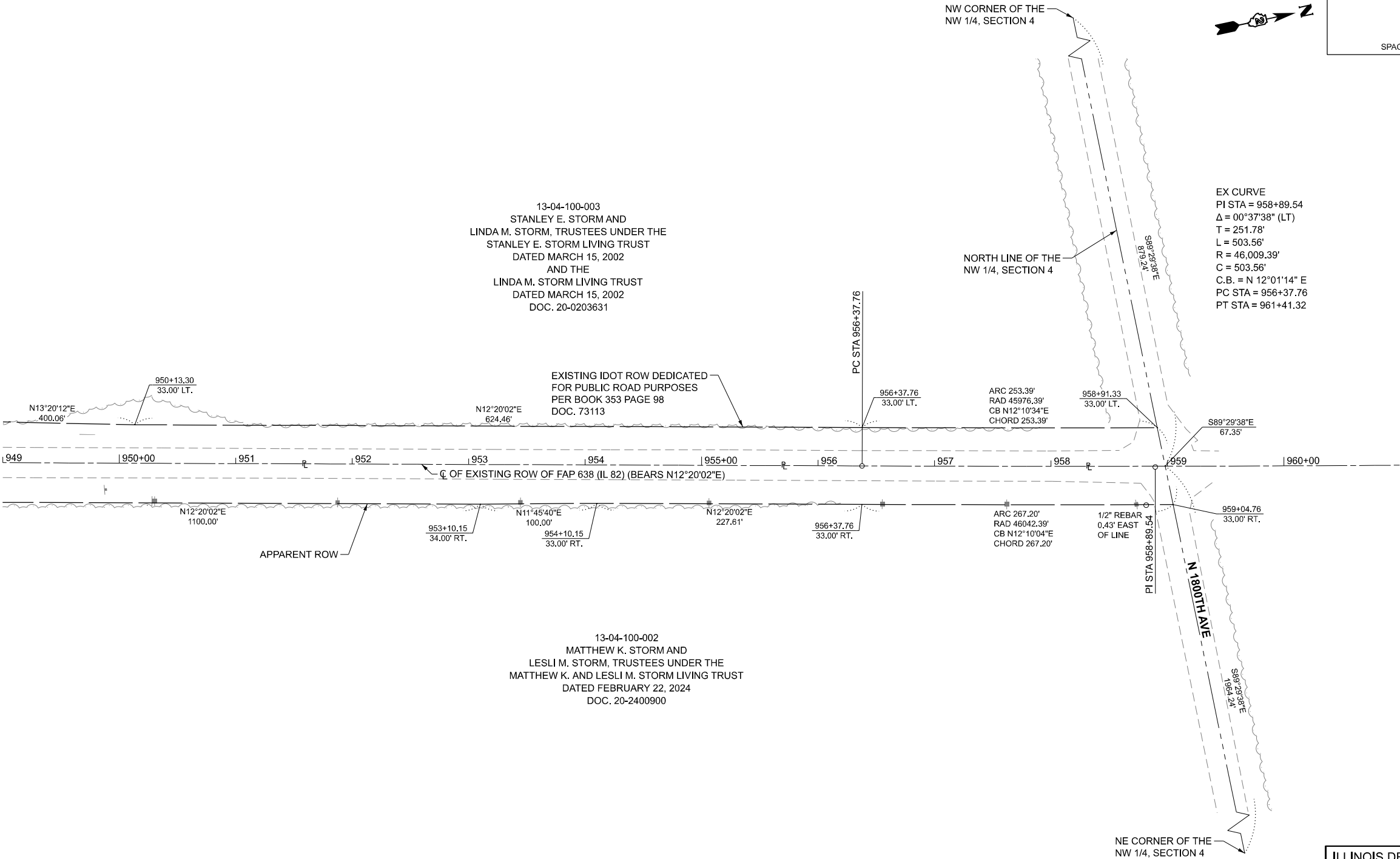
COMPLETION DATE OF FIELD WORK PERFORMED

LAND SURVEY: 02/07/2025 ROW STAKING: mm/dd/year

PART OF THE NW 1/4 OF SECTION 4
T. 16 N., R. 3 E., 4TH P.M., HENRY COUNTY, ILLINOIS

USER NAME = msk
PLOT DATE = 5/22/2025

SPACE RESERVED FOR RECORDING OFFICER



PREPARED BY:



Chamlin & Associates, Inc.
4152 Progress Boulevard
Peru, IL 61354
Ph: (815) 223-3344

IL Professional Design
Firm No. 184-001717

STATE OF ILLINOIS)
COUNTY OF LASALLE)

I, MICHAEL S. RICHETTA, AN ILLINOIS PROFESSIONAL LAND
SURVEYOR, STATE THAT I HAVE SURVEYED THE EXISTING HIGHWAY RIGHT
OF WAY SHOWN HEREON. THIS PROFESSIONAL SERVICE CONFORMS TO THE
CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED _____

MICHAEL S. RICHETTA, PLS NO. 035-003788
LICENSE EXPIRATION DATE: 11/30/2026



ILLINOIS DEPARTMENT OF TRANSPORTATION				
PLAT OF HIGHWAYS				
FAP ROUTE 638 (IL 82)				
SECTION 136CR				
HENRY COUNTY				
JOB NO. R-92-007-24				
STATION 949+00 TO STATION 960+00				
SCALE IN FEET SHEET 6 OF 7				
ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF LAND ACQUISITION/REGION 2/DISTRICT 2 819 DEPOT AVENUE DIXON, IL 61021				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	23
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

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LAND SURVEY:	02/07/2025
ROW STAKING:	mm/dd/year

USER NAME = mmh
PLOT DATE = 4/29/2025

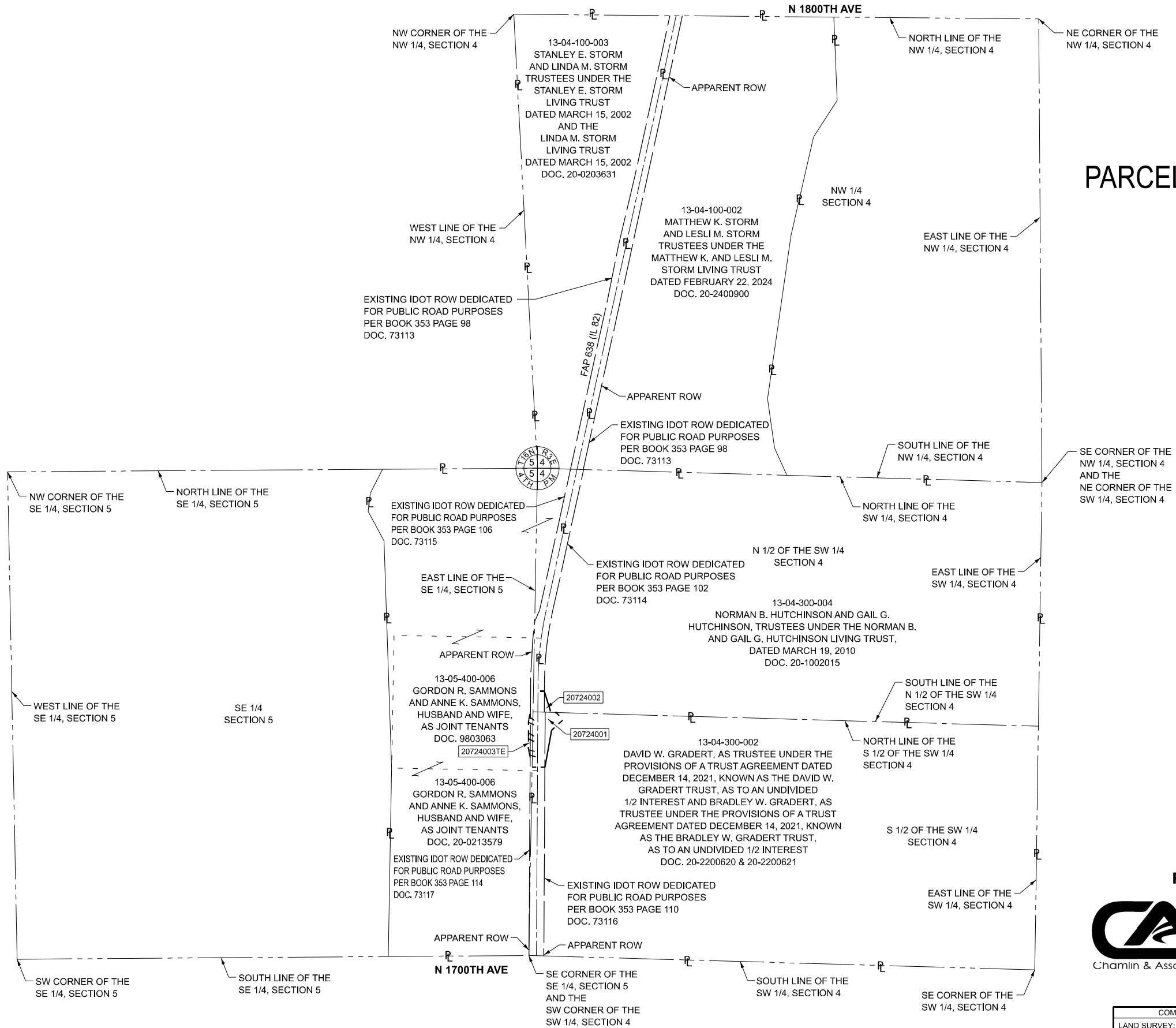
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PART OF THE NW 1/4 AND PART OF THE SW 1/4 OF SECTION 4
AND PART OF THE SE 1/4 OF SECTION 5
T. 16 N., R. 3 E., 4TH P.M., HENRY COUNTY, ILLINOIS



SPACE RESERVED FOR RECORDING OFFICER

TOTAL HOLDING SKETCH
PARCELS 20724001, 20724002, AND 20724003



PREPARED BY:



Chamlin & Associates, Inc.
4152 Progress Boulevard
Peru, IL 61354
Ph: (815) 223-3344

IL Professional Design
Firm No. 184-001717

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS

FAP ROUTE 638 (IL 82)
SECTION 136CR
HENRY COUNTY
JOB NO. R-92-007-24
TOTAL HOLDINGS



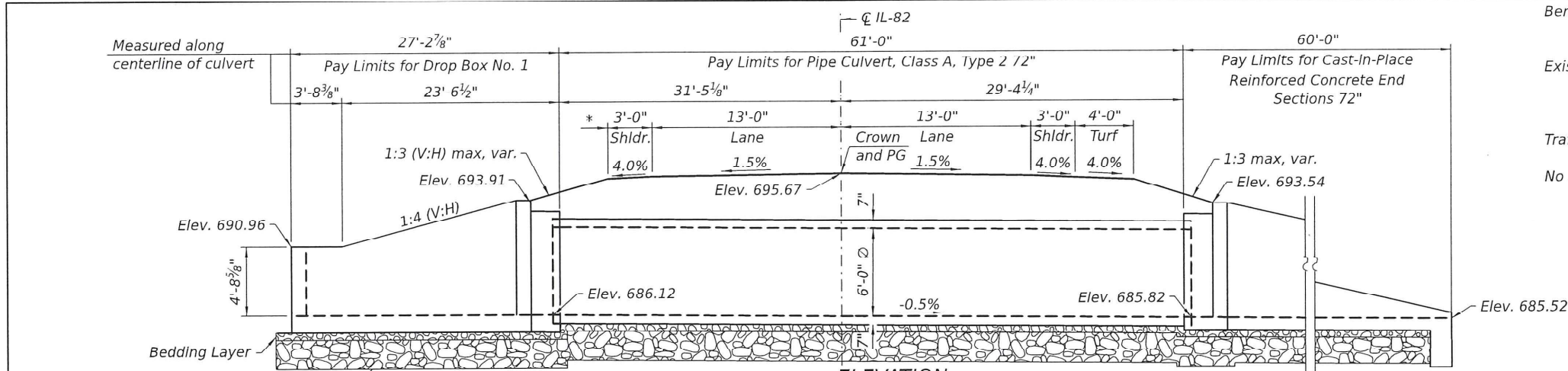
SCALE IN FEET SHEET 7 OF 7

ILLINOIS DEPARTMENT OF TRANSPORTATION
BUREAU OF LAND ACQUISITION/REGION 2/DISTRICT 2
819 DEPOT AVENUE
DIXON, IL 61021

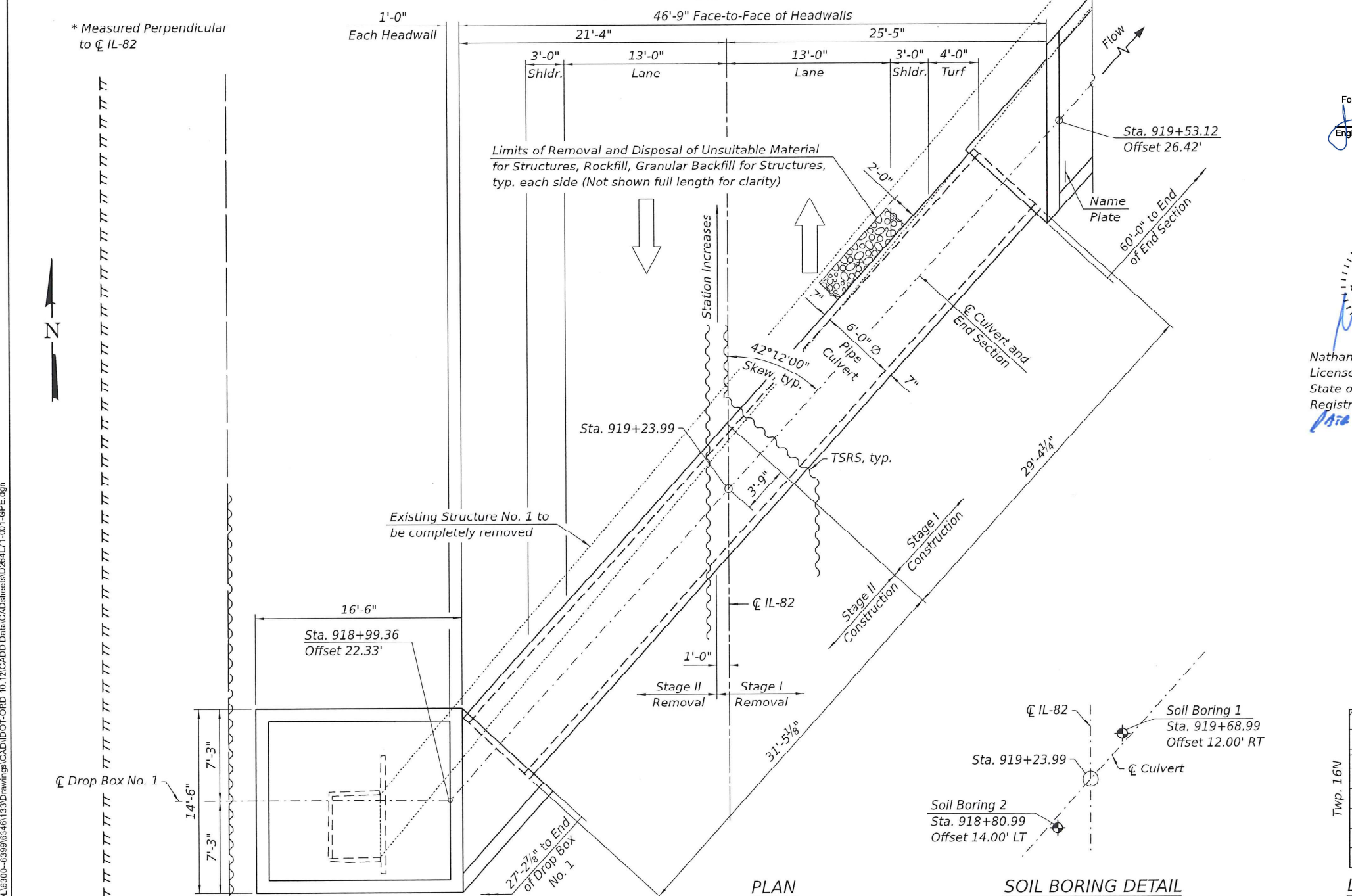
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	24
CONTRACT NO. 64L71				

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY:	02/07/2025
ROW STAKING:	mm/dd/year

ILLINOIS FED. AID PROJECT



ELEVATION
(Measured along $\varnothing$ Culvert, Drop Box, and End Section)



PLAN



SOIL BORING DETAIL

Benchmark: Cut square Northwest corner of headwall, Westside IL-82, Stamped Sta. 132+50, Elev. 703.5810.

Existing Structure: S.N. 037-1193 was originally built in 1927. The structure is a 3' x 3' box culvert with a drop box on the upstream end and wing walls on the downstream end. The culvert is 95'-0" in length with a 50° skew.

Traffic Control: Traffic is to be maintained utilizing staged construction.

No Salvage.

STA. 919+23.99
BUILT 202X BY
STATE OF ILLINOIS
F.A.P. RTE. 638 SEC. 136CR
LOADING HL-93
STR. NO. 037-1207

NAME PLATE
See Std. 515001

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

LOADING HL-93

DESIGN STRESSES
FIELD UNITS
 $f'c = 3,500$ psi
 $fy = 60,000$ psi (Reinforcement)

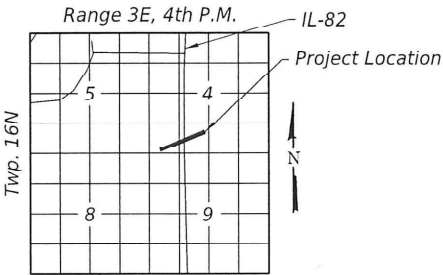
LEGEND

- Temporary Soil Retention System
- Existing ROW
- Proposed ROW Temp Easement
- Soil Boring

WATERWAY INFORMATION

Drainage Area = 105.87 acres		Exist. Low Grade Elev. 695.68 at Sta. 919+30		
		Prop. Low Grade Elev. 695.68 at Sta. 919+30		
Flood	Freq. Yr.	Q C.F.S.	Headwater El.	
			Exist.	Prop.
Existing Overtopping	4	120	695.68	
Ten-Year	10	148	695.94	692.74
Design	50	224	698.14	692.66
Base	100	262	698.45	693.56
Proposed Overtopping	411	335		695.68
Maximum Calc.	500	358	699.12	

Note: The proposed profile is to match the existing profile.



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
IL 82 OVER CREEK
F.A.P. 638 (136CR)
HENRY COUNTY
STATION 919+23.99
S.N. 037-1207

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 037-1207

SHEET 1 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	25
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

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1170 SOUTH HOBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
STRAND ASSOCIATES, INC.
IDPR NO. 184-001273

USER NAME =	DESIGNED - MJD	REVISED -
	CHECKED - ELR	REVISED -
PLOT SCALE =	DRAWN - CJH	REVISED -
PLOT DATE =	CHECKED - ELR	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

8/13/2025 2:46:38 PM

GENERAL NOTES

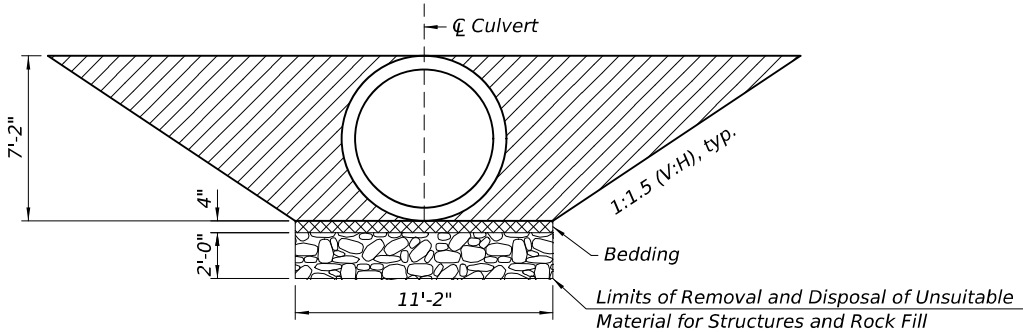
1. Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60.
2. All exposed concrete edges shall be chamfered 3/4" unless otherwise noted.
3. The steel pipe grates system and steel plates shall be included in the cost of Traversable Pipe Grate for Concrete End Section.
4. The Geotechnical report is available to the Contractor upon written request to the District. It shall be the responsibility of the contractor to control the ground water and divert the stream flow during construction in order to keep the construction area free of water. The method of controlling the water shall be subject to approval of the Engineer and the cost shall be included in the contract unit price for Pipe Culverts, Class A, Type 2 72".
5. Drop Box No. 1 and Cast-in-Place Reinforced Concrete End Sections 72" shall also abide by the guidelines of Note 4.
6. Culvert 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.
7. 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.
8. For Stone Rip Rap, Class A (Special) location see sheet 15 of 41.

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 General Notes, Details, and Bill of Materials
- 3-4 Cast-in-Place Drop Box Details
- 5-7 Cast-in-Place End Section Details
- 8 Soil Boring Logs

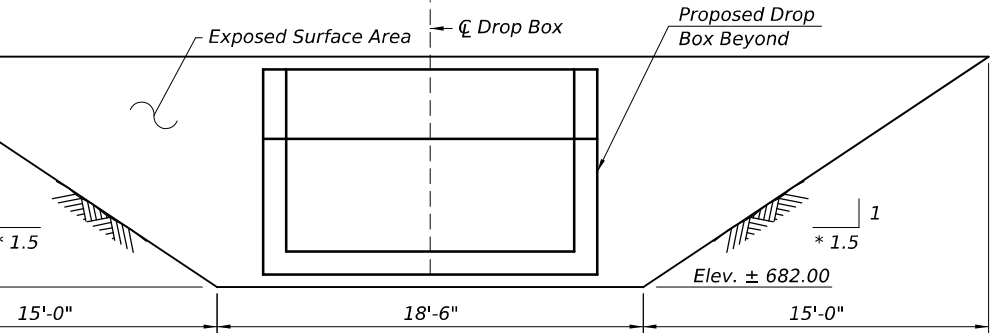
TOTAL BILL OF MATERIALS

Item	Unit	Total
Channel Excavation	CU YD	125
Removal of Existing Structures No. 1	EACH	1
Removal and Disposal of Unsuitable Material for Structures	CU YD	165
Name Plates	EACH	1
Temporary Soil Retention System	SQ FT	1,456
Cast-in-place Reinforced Concrete End Sections 72"	EACH	1
Traversable Pipe Grate for Concrete End Section	FOOT	253
Pipe Culverts, Class A, Type 2 72"	FOOT	61
Granular Backfill for Structures	CU YD	540
Stone Riprap, Class A5 (Special)	SQ YD	147
Drop Box No. 1	EACH	1
Rock Fill	TON	272



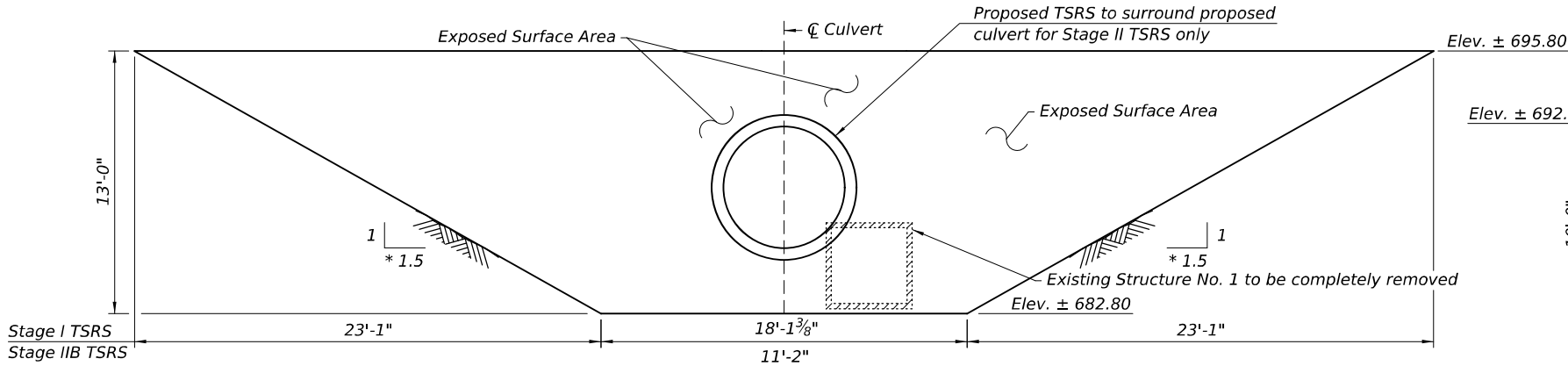
PAY LIMITS FOR GRANULAR BACKFILL FOR STRUCTURES

(Hatched Area)



PRESTAGE AND STAGE IIA TEMPORARY SOIL RETENTION SYSTEM

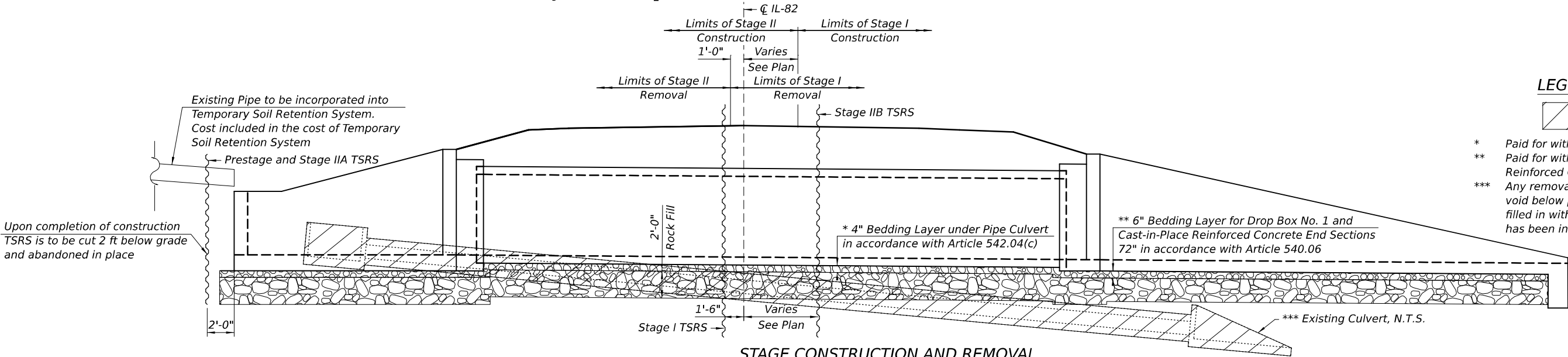
(Looking East)



STAGE I AND IIB TEMPORARY SOIL RETENTION SYSTEM

(Looking East)

* Measured at Right L's to Culvert C



STAGE CONSTRUCTION AND REMOVAL

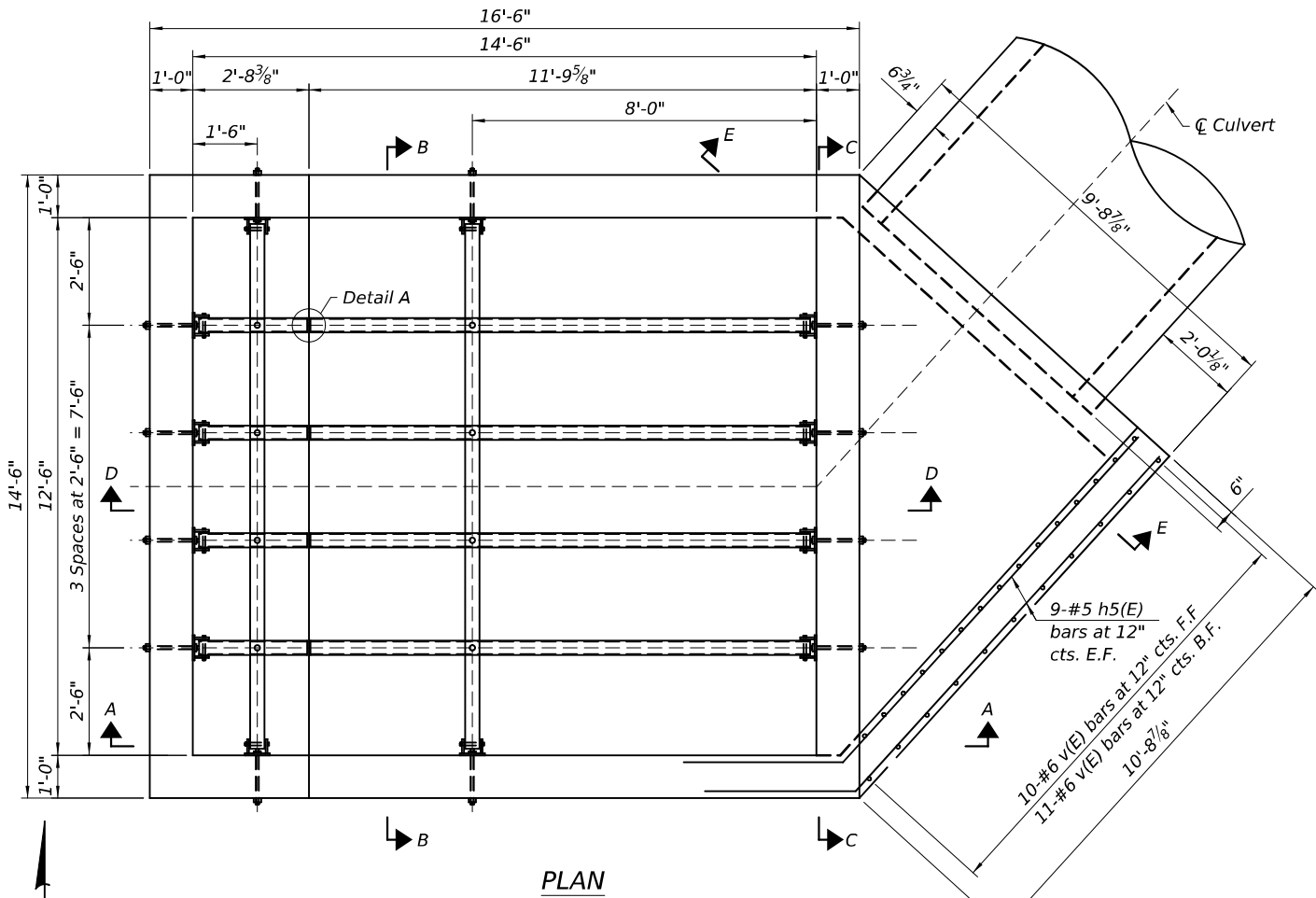
(Horizontal dimensions at Right L's to C Roadway)

LEGEND

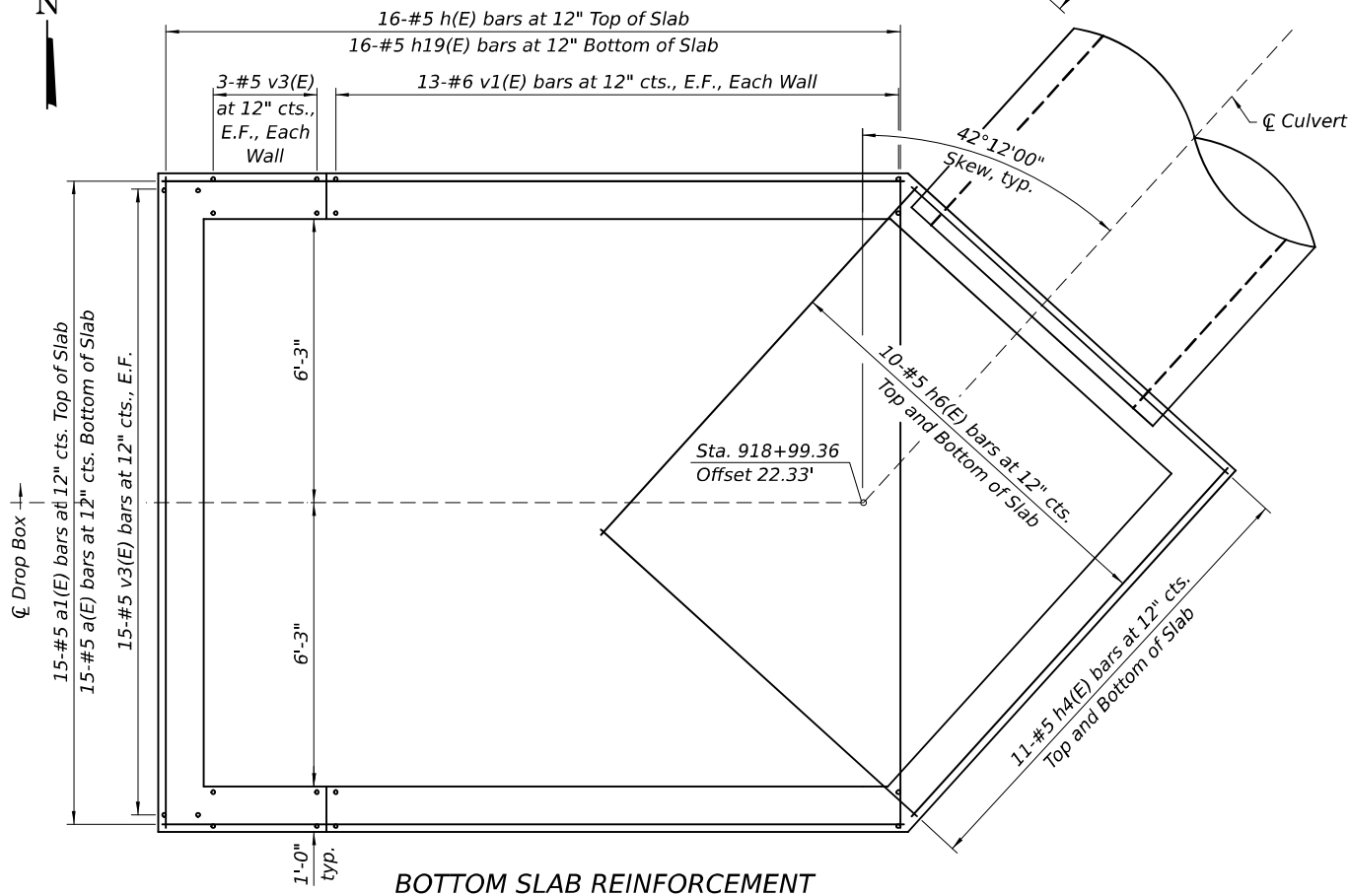
Existing Structures No. 1 to be completely removed

- * Paid for with Pipe Culverts, Class A, Type 2 72"
- ** Paid for with Drop Box No. 1 and Cast-in-Place Reinforced Concrete End Sections 72"
- *** Any removal of existing structure creating a void below proposed Rock Fill bedding is to be filled in with Rock Fill. An estimated quantity has been included in the Rock Fill quantity.

 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 186-001273	USER NAME = _____		DESIGNED - MJD		REVISED - _____		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, DETAILS, AND BILL OF MATERIALS STRUCTURE NO. 037-1207	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = _____		CHECKED - ELR		REVISED - _____				638	136CR	HENRY	49	26
	PLOT DATE = _____		DRAWN - CJH		REVISED - _____				CONTRACT NO. 64L71				
			CHECKED - ELR		REVISED - _____								
SHEET 2 OF 8 SHEETS								ILLINOIS FED. AID PROJECT					



PLAN

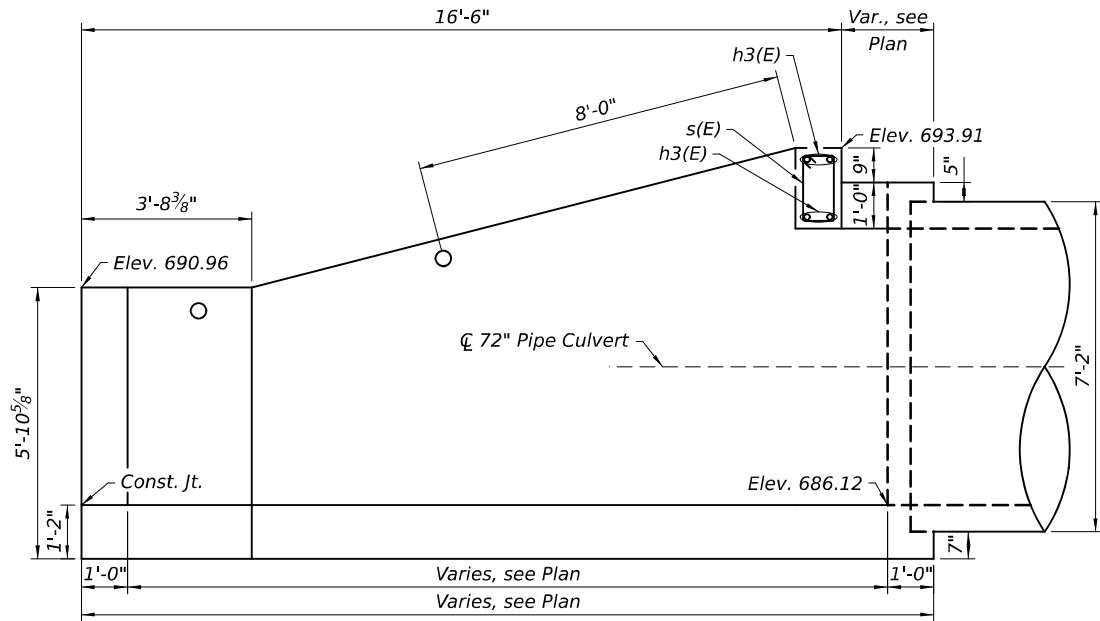


BOTTOM SLAB REINFORCEMENT

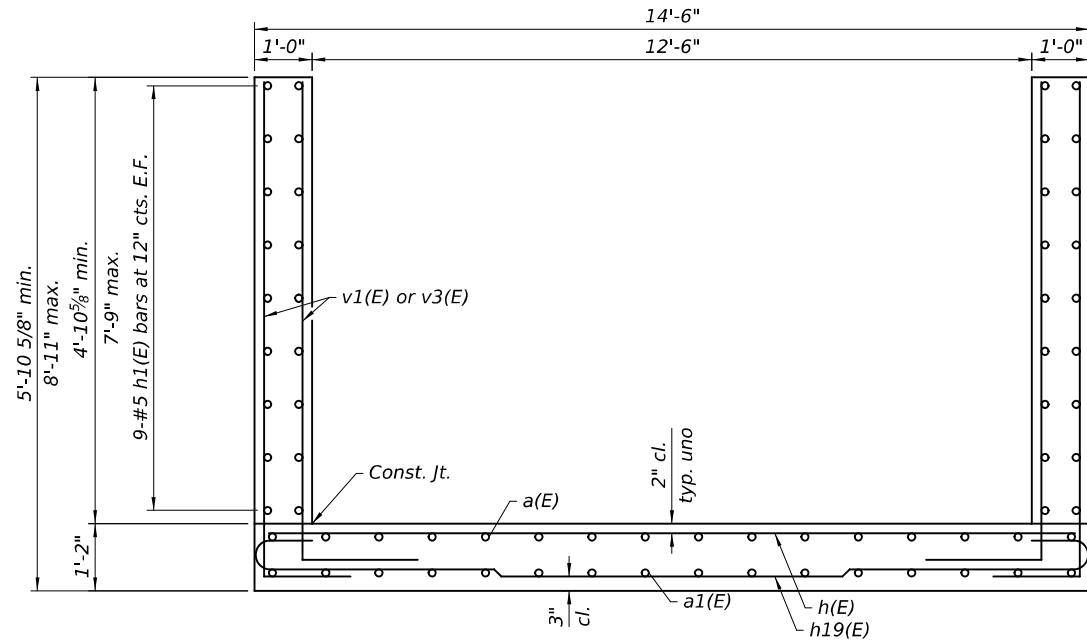
PIPE GRATE BILL OF MATERIAL

ITEM	UNIT	LENGTH
4" Galv. Steel Pipe	4	14'-2 1/2"
4" Galv. Steel Pipe	2	12'-2 1/2"
* Side Assembly	EACH	12

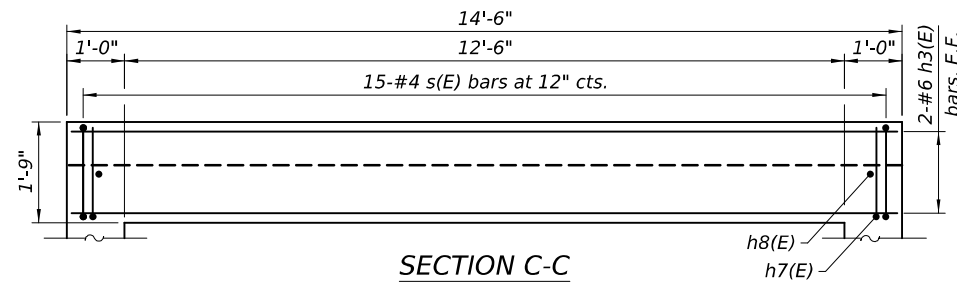
* All hardware and steel for Assemblies included in cost of Traversable Pipe Grate



SECTION A-A



SECTION B-B

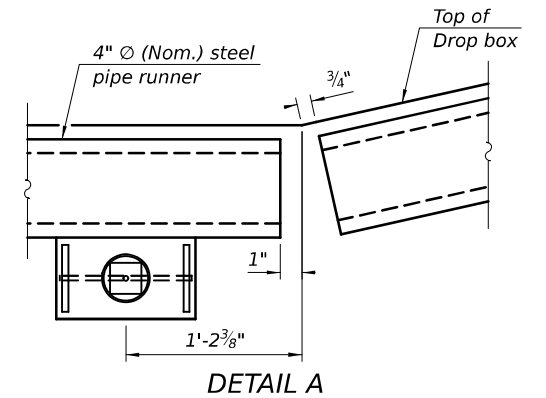
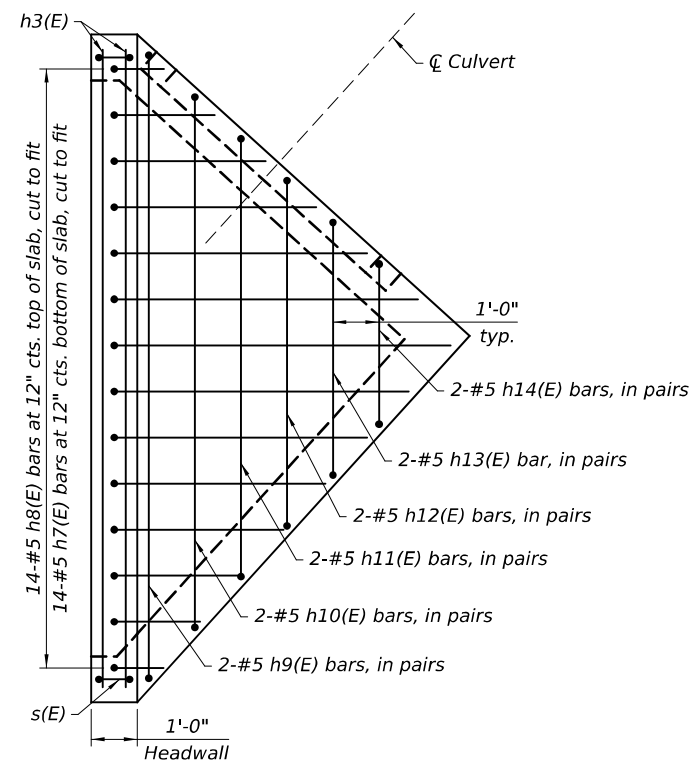
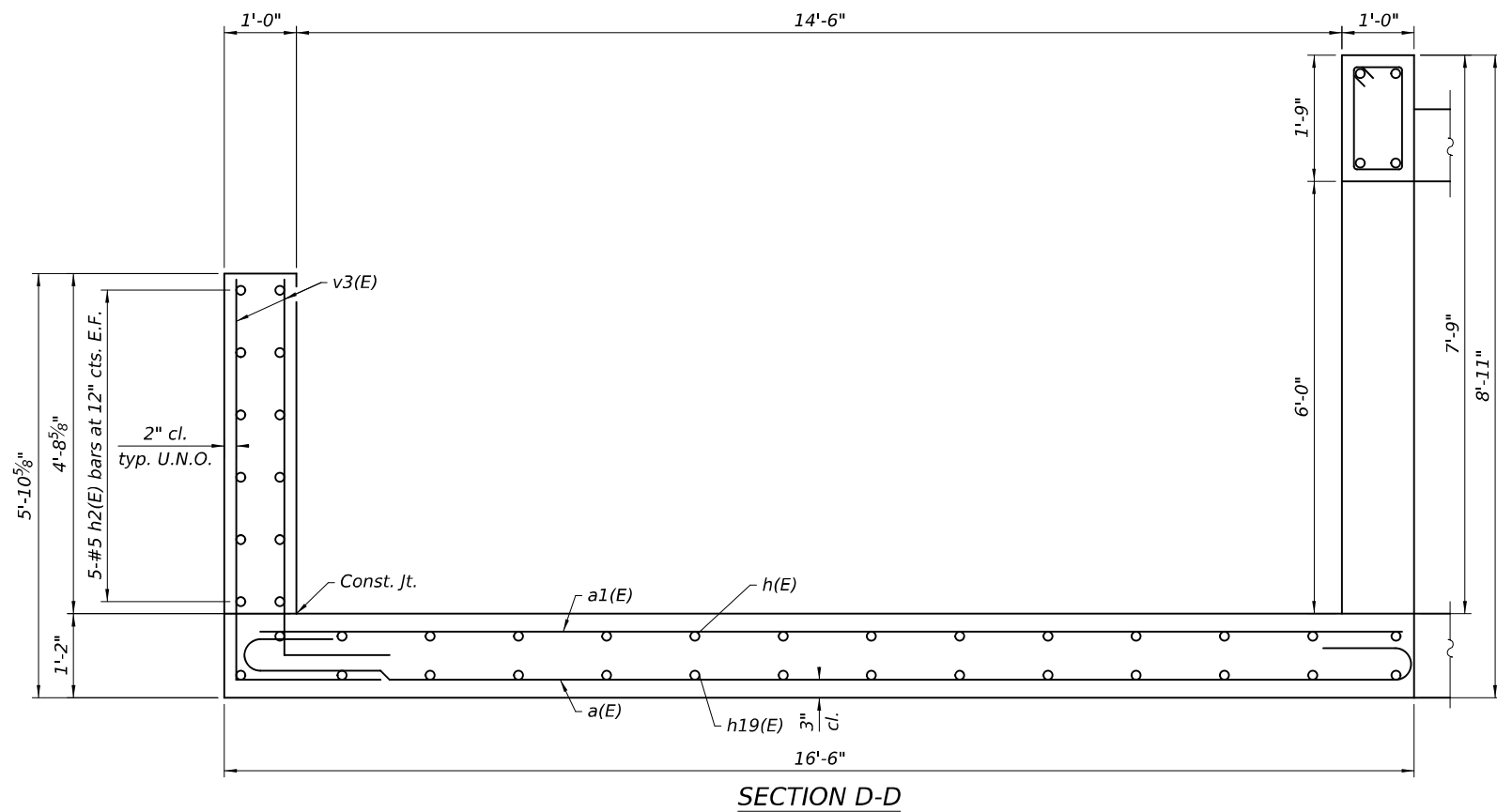


SECTION C-C

(Showing Headwall only)

Notes:

- For Bill of Materials, see sheet 4 of 8.
- For Detail A, see sheet 4 of 8.
- For Appurtenance Top Slab Reinforcing, see Details on 4 of 8.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	15	#5	17'-4"	
a1(E)	15	#5	16'-2"	
d(E)	8	#5	2'-9"	
d1(E)	8	#5	3'-9"	
h(E)	16	#5	14'-2"	
h1(E)	36	#5	16'-2"	
h2(E)	10	#5	14'-2"	
h3(E)	4	#6	14'-2"	
h4(E)	22	#5	9'-4"	
h5(E)	18	#5	13'-9"	
h6(E)	20	#5	10'-7"	
h7(E)	14	#5	9'-0"	
h8(E)	14	#5	7'-5"	
h9(E)	2	#5	14'-10"	
h10(E)	2	#5	12'-10"	
h11(E)	2	#5	10'-10"	
h12(E)	2	#5	8'-10"	
h13(E)	2	#5	6'-10"	
h14(E)	2	#5	4'-10"	
h19(E)	16	#5	15'-4"	
s(E)	15	#4	4'-11"	
v(E)	21	#6	8'-10"	
v1(E)	72	#6	9'-7"	
v2(E)	8	#5	8'-6"	
v3(E)	30	#5	6'-5"	
* Concrete Structures			CU YD	25.5
* Reinforcement Bars, Epoxy Coated			POUND	4,380
Traversable Pipe Grate for Concrete End Section			FOOT	265

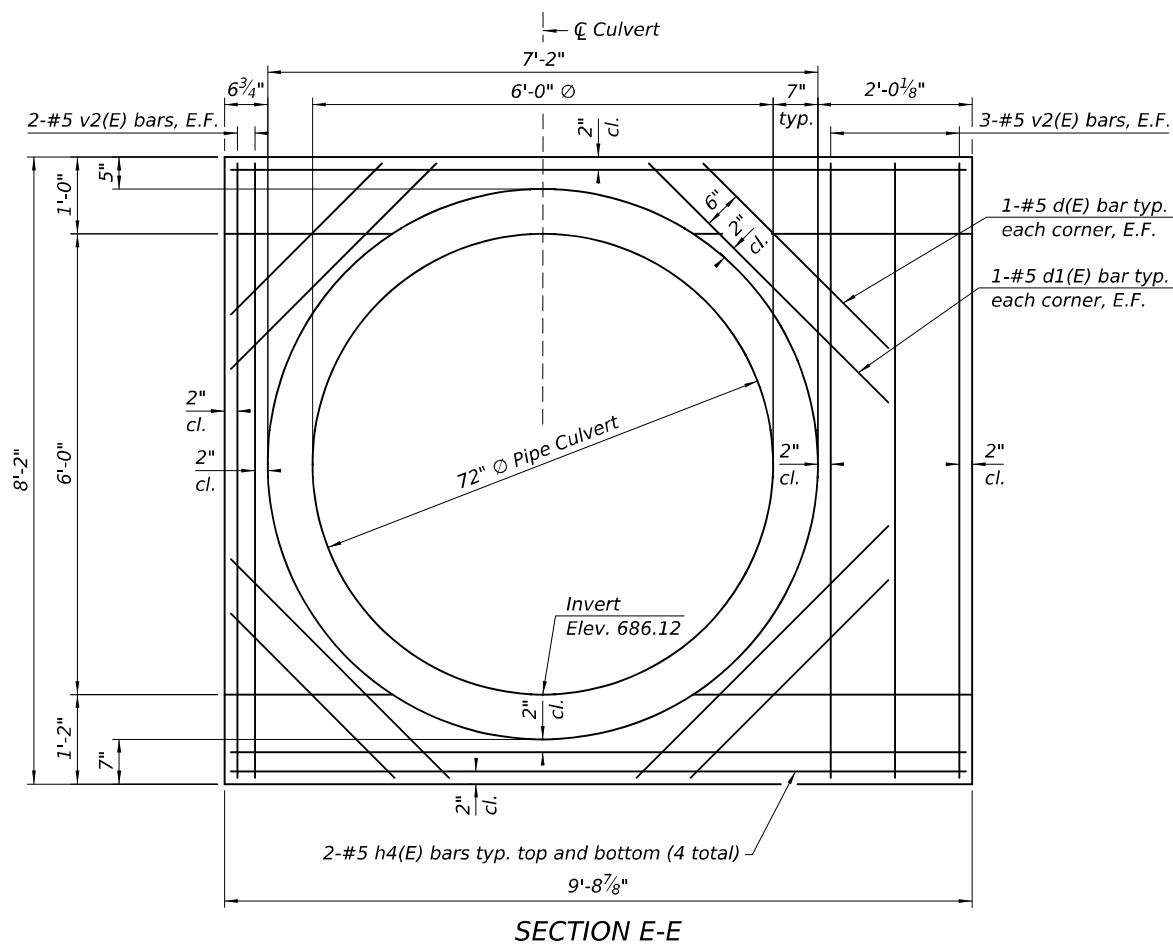
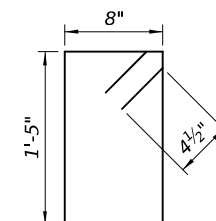


Diagram showing a vertical stack of horizontal lines with labels and dimensions:

- $h19(E)$ to $14'-2''$
- $h14(E)$ to $3'-8''$
- $h13(E)$ to $5'-8''$
- $h12(E)$ to $7'-8''$
- $h11(E)$ to $9'-8''$
- $h10(E)$ to $11'-8''$
- $h9(E)$ to $13'-8''$
- $a(E)$ to $16'-1''$

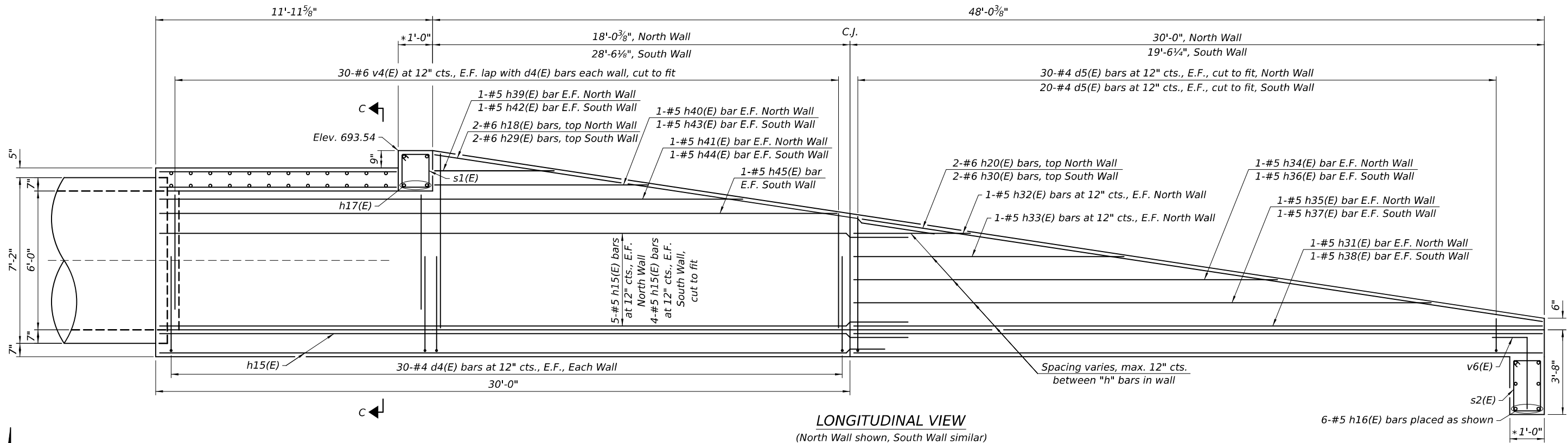
Dimensions are indicated by arrows and text: $7''$ and $typ.$ are shown at the bottom right, and a dimension line is shown at the bottom left.



The diagram shows a four-story building with a total height of 30 feet. The vertical dimensions for each floor are: 7'-7" for the first floor, 7'-9" for the second floor, 8'-6" for the third floor, and 5'-5" for the fourth floor. The floor levels are labeled on the left as $h7(E)$, $v(E)$, $v1(E)$, and $v3(E)$. On the right, the floor levels are labeled as $1'-0"$, $10"$, $1'-5"$, and $h7(E)$. The vertical dimensions on the right are labeled as $v(E)$, $v1(E)$, $v3(E)$, and $h7(E)$.

- Notes:

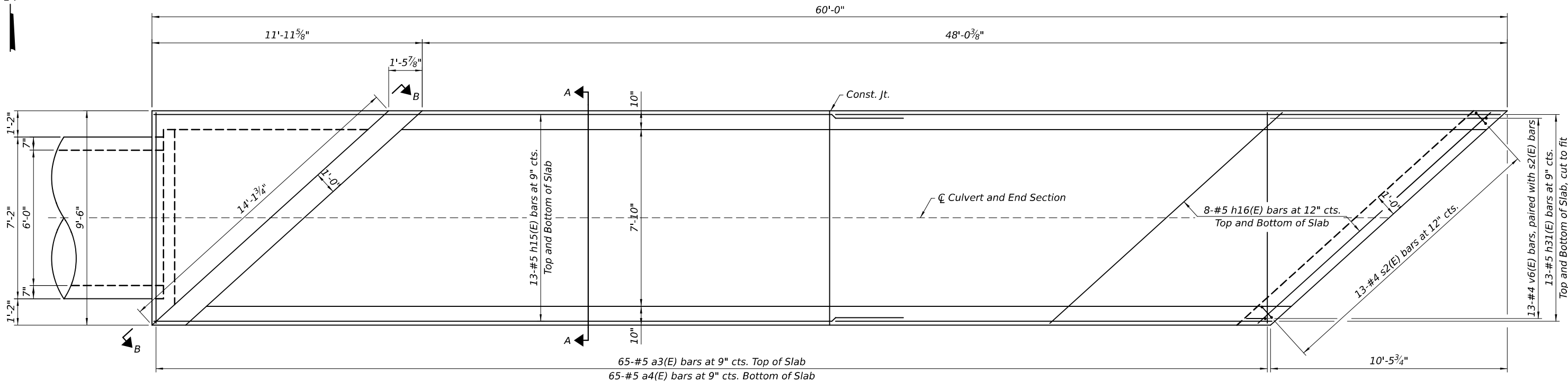
1. The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1½" unless noted otherwise.
2. The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completely filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional 1/3 turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.
3. For more information on Detail A and the Appurtenance Top Slab, see sheet 3 of 8.
4. For Traversable Pipe Grate details see sheet 7 of 8.



LONGITUDINAL VIEW
(North Wall shown, South Wall similar)

C.J. - Construction Joint

* Measured at Right Angle



PLAN

- Notes:
- For Section A-A and B-B, see sheet 6 of 8.
 - For Section C-C, see sheet 7 of 8.

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	CHECKED - NDR	REVISED -
PLOT SCALE =	DRAWN - CJH	REVISED -
PLOT DATE =	CHECKED - ELR	REVISED -

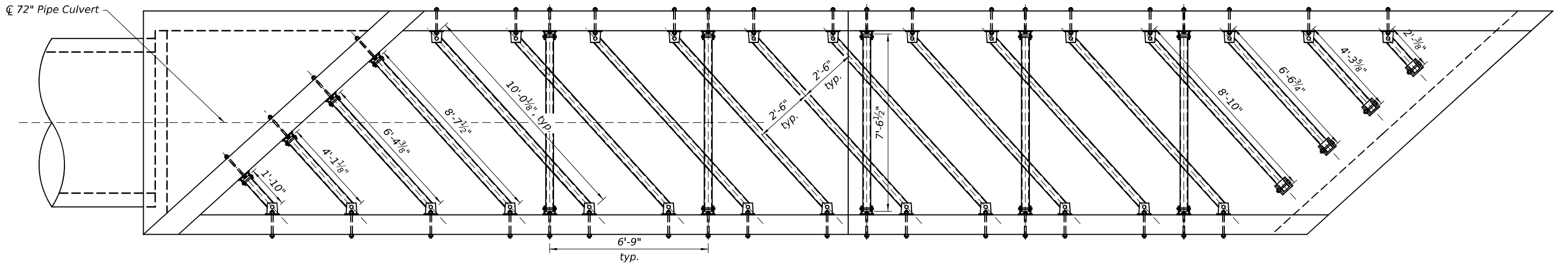
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE END SECTION DETAILS (1 OF 3)
STRUCTURE NO. 037-1207

SHEET 5 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	29
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

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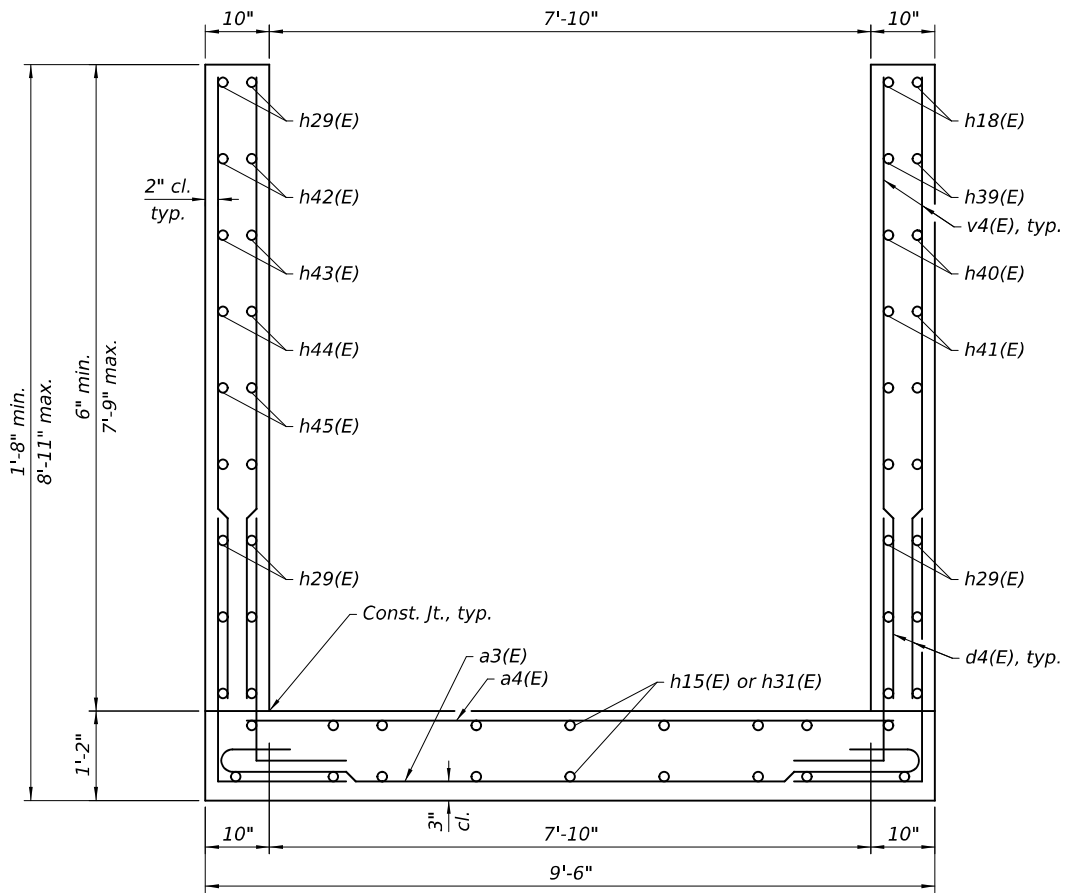
TRAVERSABLE GRATE PLAN

PIPE GRATE BILL OF MATERIAL

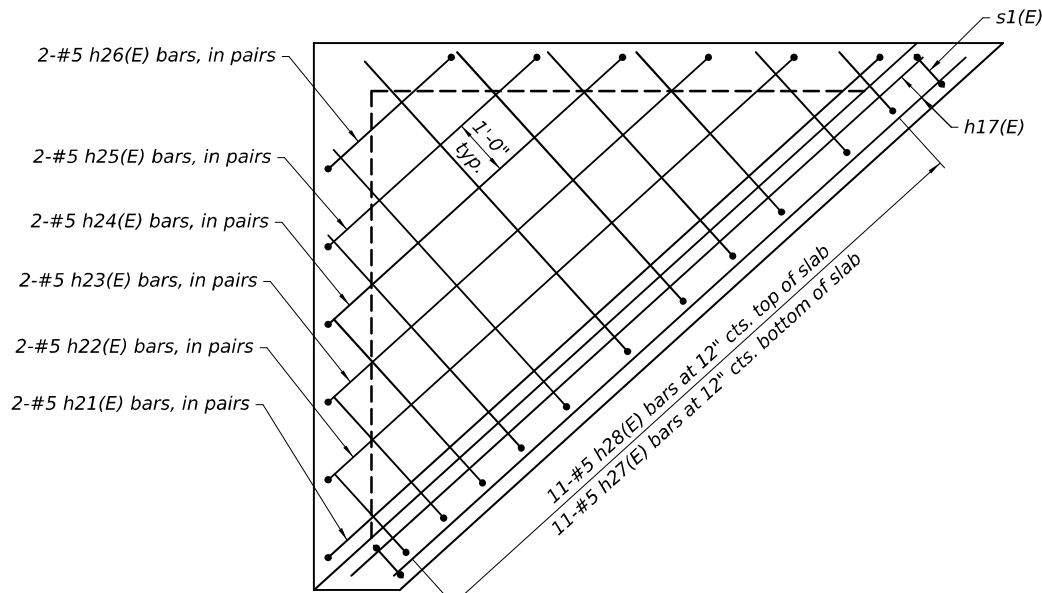
ITEM	UNIT	LENGTH
** 4" Galv. Steel Pipe	1	1'-10"
** 4" Galv. Steel Pipe	1	4'-1 1/4"
** 4" Galv. Steel Pipe	1	6'-4 3/8"
** 4" Galv. Steel Pipe	1	8'-7 5/8"
** 4" Galv. Steel Pipe	9	10'-0 1/8"
** 4" Galv. Steel Pipe	1	8'-10"
** 4" Galv. Steel Pipe	1	6'-6 3/4"
** 4" Galv. Steel Pipe	1	4'-3 5/8"
** 4" Galv. Steel Pipe	1	2'-0 3/8"
** 4" Galv. Steel Pipe	5	7'-6 1/2"
* Side Assembly	EACH	44

* All hardware and steel for Assemblies included in cost of Traversable Pipe Grate

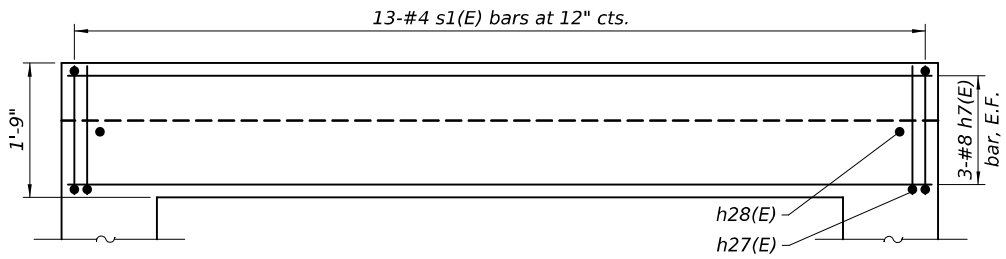
** Quantities are approximate. Contractor shall measure and cut pipe in field. Measurements shown are for horizontal layout only. Actual pipe length will be longer.



SECTION A-A



APPURTENANCE TOP SLAB



SECTION B-B
(Showing Headwall only)

- Notes:
- For more information on the Appurtenance Top Slab, see sheet 5 of 8.
 - For Bill of Materials and Traversable Pipe Grate Details, see sheet 7 of 8.

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SA
STRAND
ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

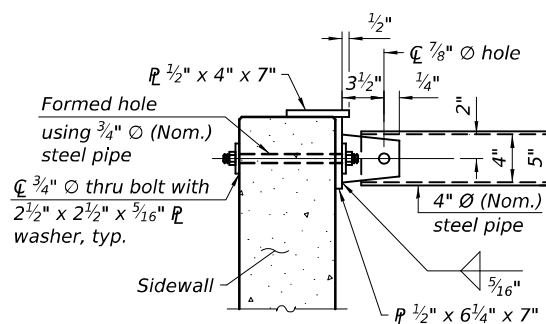
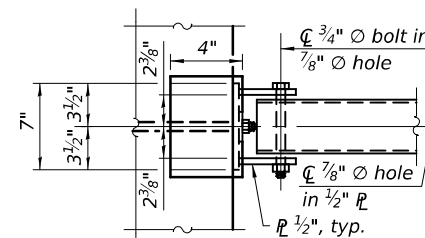
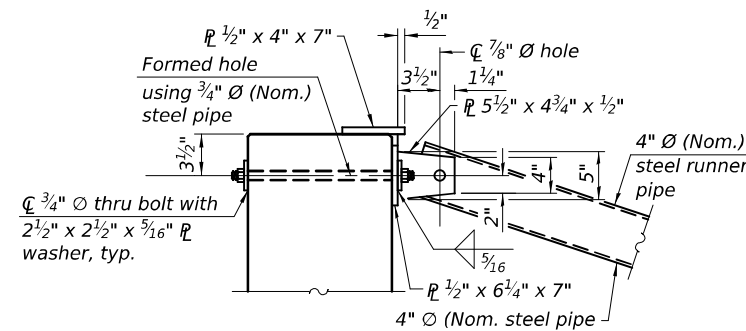
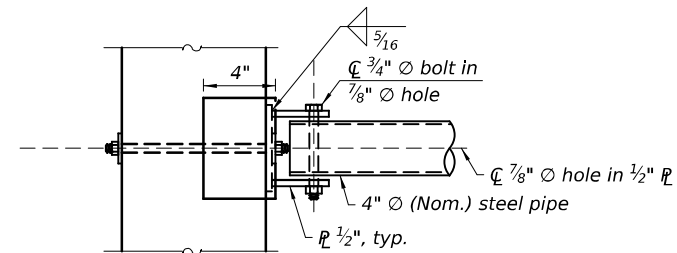
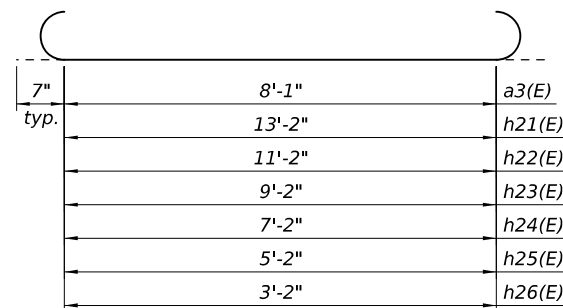
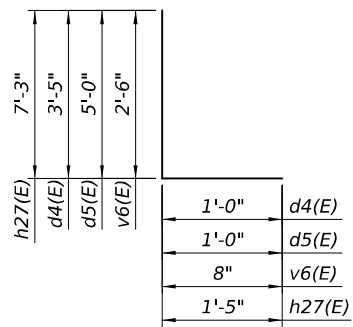
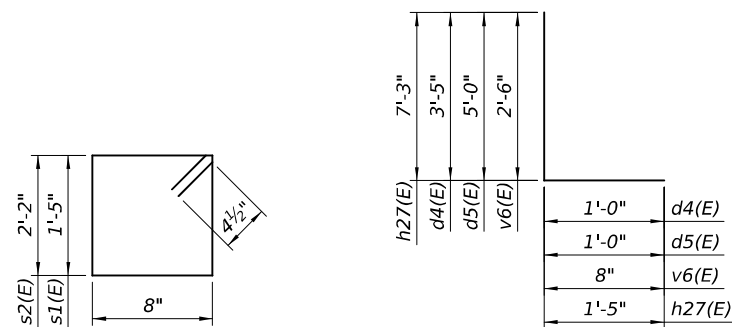
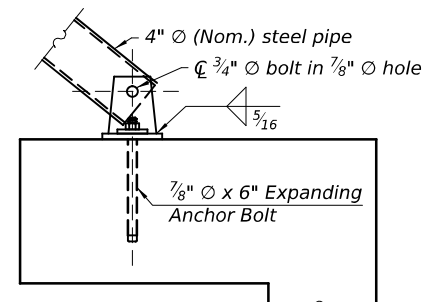
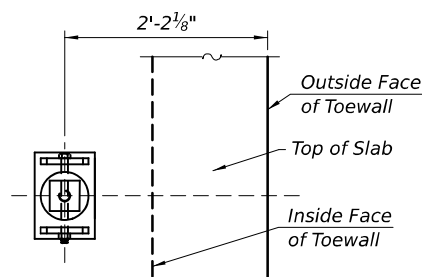
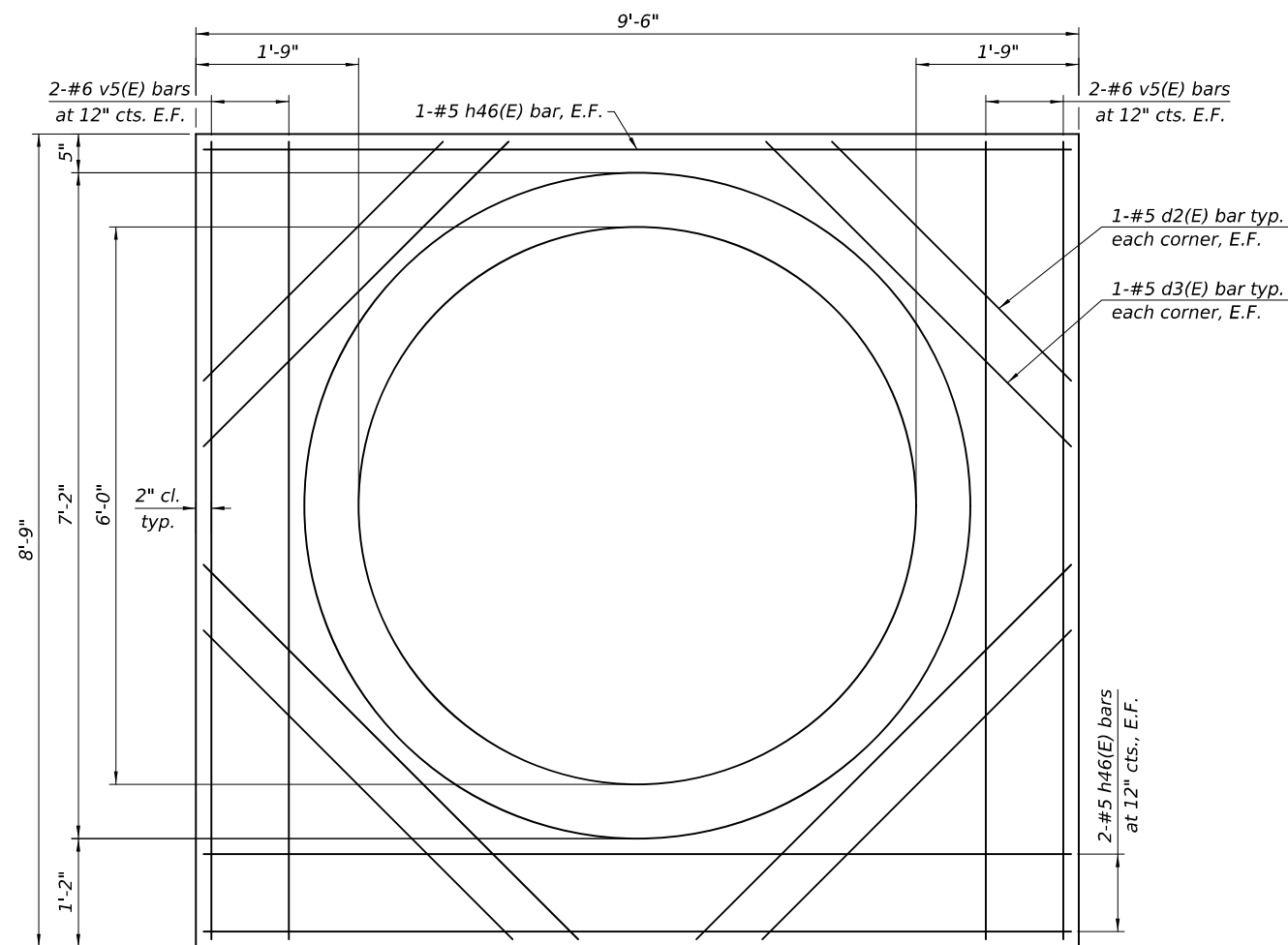
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	CHECKED - NDR	REVISED -
PLOT SCALE =	DRAWN - CJH	REVISED -
PLOT DATE =	CHECKED - ELR	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE END SECTION DETAILS (2 OF 3)
STRUCTURE NO. 037-1207

SHEET 6 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	30
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				



BRACKET FRONT VIEW

**** Measured perpendicular to top of sidewall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert extension with drop box.**

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a3(E)	65	#5	10'-3"	
a4(E)	65	#5	9'-2"	
d2(E)	8	#5	2'-6"	
d3(E)	8	#5	3'-6"	
d4(E)	120	#4	6'-2"	
d5(E)	100	#4	8'-7"	
h15(E)	44	#5	33'-4"	
h16(E)	22	#5	13'-8"	
h17(E)	4	#8	13'-8"	
h18(E)	2	#6	21'-11"	
h20(E)	2	#6	30'-1"	
h21(E)	2	#5	14'-4"	
h22(E)	2	#5	12'-4"	
h23(E)	2	#5	10'-4"	
h24(E)	2	#5	8'-4"	
h25(E)	2	#5	6'-4"	
h26(E)	2	#5	4'-4"	
h27(E)	11	#5	8'-8"	
h28(E)	11	#5	7'-3"	
h29(E)	2	#6	32'-8"	
h30(E)	2	#6	19'-6"	
h31(E)	28	#5	29'-7"	
h32(E)	2	#5	5'-4"	
h33(E)	2	#5	12'-0"	
h34(E)	2	#5	18'-7"	
h35(E)	2	#5	25'-3"	
h36(E)	2	#5	8'-0"	
h37(E)	2	#5	14'-10"	
h38(E)	2	#5	19'-2"	
h39(E)	2	#5	5'-5"	
h40(E)	2	#5	10'-9"	
h41(E)	2	#5	27'-6"	
h42(E)	2	#5	6'-7"	
h43(E)	2	#5	14'-9"	
h44(E)	2	#5	21'-4"	
h45(E)	2	#5	28'-0"	
h46(E)	65	#5	9'-2"	
s1(E)	14	#4	4'-11"	
s2(E)	14	#4	6'-5"	
v4(E)	120	#5	8'-9"	
v5(E)	28	#6	8'-5"	
v6(E)	13	#4	3'-11"	
* Concrete Structures			CU YD	44.0
* Reinforcement Bars, Epoxy Coated			POUND	8,570
Traversable Pipe Grate for Concrete End Section			FOOT	172

* Included in the cost of Cast-in-place Reinforced Concrete End Section

Notes:

1. *The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1½" unless noted otherwise.*
2. *The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completed filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional ⅓ turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.*



Illinois Department
of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 1/22/15

ROUTE IL 82 DESCRIPTION 037-1193 IL 82 Culvert, .3 m. N. of N1700 LOGGED BY W. Garza

SECTION LOCATION Munson Twp. - 4SW, SEC. , TWP. 16N, RNG. 3E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	037-1193	DEPT	BLOW	UCS	MOIST	Surface Water Elev.	87.2 ft	DEPT	BLOW	UCS	MOIST
Station		H	S	Qu	T	Stream Bed Elev.	84.0 ft	H	S	Qu	T
BORING NO.	B-1					Groundwater Elev.:					
Station	45' N					First Encounter	65.5 ft				
Offset	12.00R E CL					Upon Completion	61.5 ft				
Ground Surface Elev.	100.00 ft	(ft)	(/ft)	(tsf)	(%)	After	Hrs.	(ft)	(/ft)	(tsf)	(%)
-90.164763						VERY STIFF gray LOAM TILL		79.00	6	2.9	13
41.400639						(continued)			8	B	
18" Asphalt											
MEDIUM light brown SILTY CLAY LOAM	98.00	1				VERY STIFF gray LOAM TILL			5		
		2	0.6	28					7	3.7	11
	96.50	4	P						12	B	
MEDIUM light brown SILTY CLAY LOAM						HARD gray LOAM TILL					
		1							5		
		2	0.6	29					8	5.4	10
	94.00	3	P						12	B	
MEDIUM tan SILTY CLAY LOAM						VERY STIFF gray LOAM TILL			6		
		1							10	3.3	10
	91.50	4	P	25					12	B	
STIFF tan SILTY CLAY LOAM						HARD gray LOAM TILL					
		1							5		
		3	1.2	25					8	5.0	11
	89.00	6	B						12	B	
VERY SOFT gray SILTY LOAM with ORGANICS (tile?)						STIFF gray SILTY CLAY			9		
		0							9	1.3	19
		2	0.2	31					10	P	
	86.50	3	P								
VERY SOFT tan SILTY LOAM						MEDIUM gray clean medium coarse SAND			1		
		1							7		
		2	0.2	31					6		
		3	P								
	83.50										
MEDIUM light gray SILTY LOAM TILL						HARD gray LOAM TILL			6		
		1							9	5.0	11
		4	0.7	28					14	S	
	81.50	9	B								
VERY STIFF gray LOAM TILL						HARD gray LOAM TILL					
									4		

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

BBS, from 137 (Rev. 8-99)



Illinois Department
of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2

Date 1/22/15

ROUTE IL 82 DESCRIPTION 037-1193 IL 82 Culvert, .3 m. N. of N1700 LOGGED BY W. Garza

SECTION LOCATION Munson Twp. - 4SW, SEC. , TWP. 16N, RNG. 3E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	037-1193	DEPT	BLOW	UCS	MOIST	Surface Water Elev.	87.2 ft	DEPT	BLOW	UCS	MOIST
Station		H	S	Qu	T	Stream Bed Elev.	84.0 ft	H	S	Qu	T
BORING NO.	B-1					Groundwater Elev.:					
Station	45' N					First Encounter	65.5 ft				
Offset	12.00R E CL					Upon Completion	61.5 ft				
Ground Surface Elev.	100.00 ft	(ft)	(/ft)	(tsf)	(%)	After	Hrs.	(ft)	(/ft)	(tsf)	(%)
HARD gray LOAM TILL									10	6.4	10
(continued)									15	B	
End of Boring											

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

BBS, from 137 (Rev. 8-99)



Illinois Department
of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 1/22/15

ROUTE IL 82 DESCRIPTION 037-1193 IL 82 Culvert, .3 m. N. of N1700 LOGGED BY W. Garza

SECTION LOCATION Munson Twp. - 4SW, SEC. , TWP. 16N, RNG. 3E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	037-1193	DEPT	BLOW	UCS	MOIST	Surface Water Elev.	Dry ft	DEPT	BLOW	UCS	MOIST
Station		H	S	Qu	T	Stream Bed Elev.	90.5 ft	H	S	Qu	T
BORING NO.	B-2					Groundwater Elev.:					
Station	43' S					First Encounter	70.2 ft				
Offset	14.00R W CL					Upon Completion	Dry ft				
Ground Surface Elev.	99.7 ft	(ft)	(/ft)	(tsf)	(%)	After	Hrs.	(ft)	(/ft)	(tsf)	(%)
-90.164824						VERY STIFF gray LOAM TILL		78.70	7	3.3	13
41.400522						(continued)			10	B	
MEDIUM brown SILTY CLAY LOAM			0.8	21							
STIFF brown SILTY LOAM	97.70	3				VERY STIFF gray LOAM TILL			4		
		4	1.5	21					7	3.7	11
	96.20	6	P						11	B	
VERY SOFT light brown SILTY CLAY LOAM						HARD gray LOAM TILL					
		1							8		
		2	0.2	30					10	4.3	11
	93.70	2	P						11	B	
STIFF brown SILTY CLAY LOAM						STIFF light gray SILTY CLAY			4		
		1							9	1.1	21
		2	1.3	37					13	S	
	91.20	5	B			No Recovery					
MEDIUM brown SILTY CLAY LOAM									4		
		1							10		
		2	0.8	32					8		
	88.70	3	B			STIFF gray SILTY CLAY			2		
MEDIUM brown SILTY CLAY LOAM									5	1.3	22
		0							8	S	
		2	0.9	30							
	86.20	2	B								
SOFT gray SILTY LOAM						VERY STIFF gray LOAM TILL			2		
		0							7	3.5	12
		1	0.4	33					9	S	
		1	B								
	83.20					HARD gray LOAM TILL			19		
STIFF tan SILTY CLAY LOAM TILL									14	7.0	10
		0							16	S	
		2	1.1	18		End of Boring					
	81.20	4	B								
VERY STIFF gray LOAM TILL											

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

BBS, from 137 (Rev. 8-99)

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8/13/2025 2:58:30 PM

1170 SOUTH HOBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
STRAND ASSOCIATES, INC.
IDFPR NO. 184-001273

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN - CJH	REVISED -
	CHECKED - ELR	REVISED -

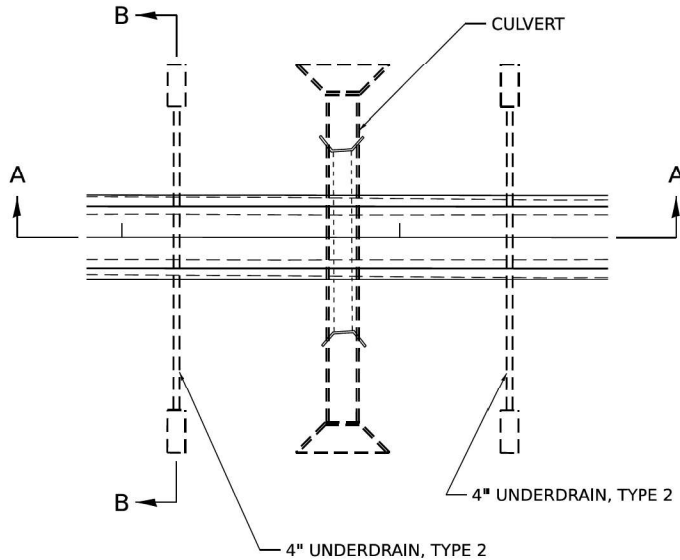
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING LOGS
STRUCTURE NO. 037-1207

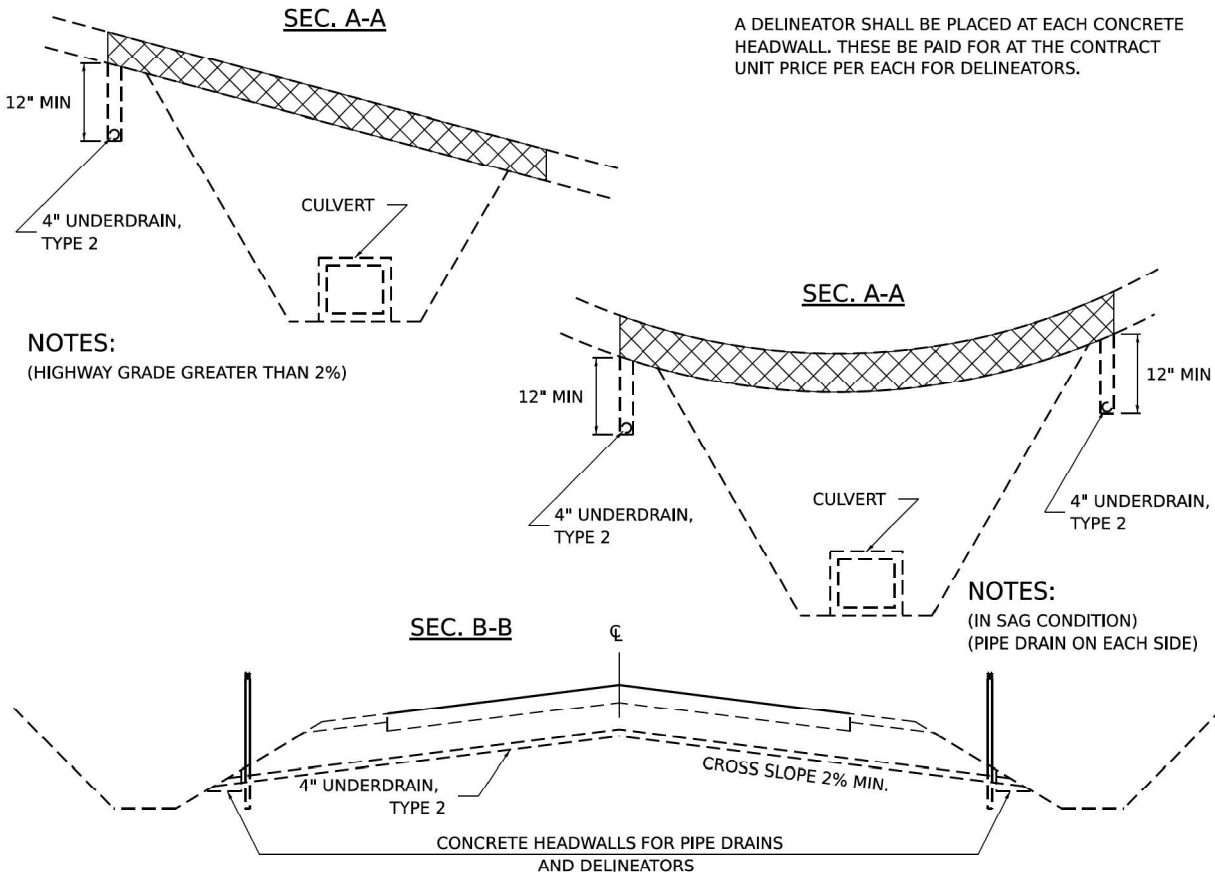
SHEET 8 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	32
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

UNDERDRAIN FOR ACROSS ROAD (AR) CULVERTS



- NOTES:
- IN SAG CONDITIONS INSTALL PIPE UNDERDRAINS, TYPE 2, 4" ON BOTH SIDES OF CULVERT.
- ON HIGHWAY GRADES GREATER THAN 2% INSTALL PIPE UNDERDRAINS, TYPE 2, 4" ON THE HIGH SIDE OF THE CULVERT.
- THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS.
- THE UNDERDRAIN SHALL EXTEND UNTIL INTERSECTING WITH THE SIDE SLOPES, THE PIPES SHALL DRAIN INTO CONCRETE HEADWALLS. (SEE ARTICLE 601.05 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARD 601101).
- THE UNDERDRAIN SHALL BE A MINIMUM OF 12" BELOW THE EXISTING PAVEMENT.
- PIPE UNDERDRAINS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE UNDERDRAINS, TYPE 2, 4".
- CONCRETE HEADWALLS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR CONCRETE HEADWALLS FOR PIPE DRAINS.
- A DELINEATOR SHALL BE PLACED AT EACH CONCRETE HEADWALL. THESE BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR DELINEATORS.

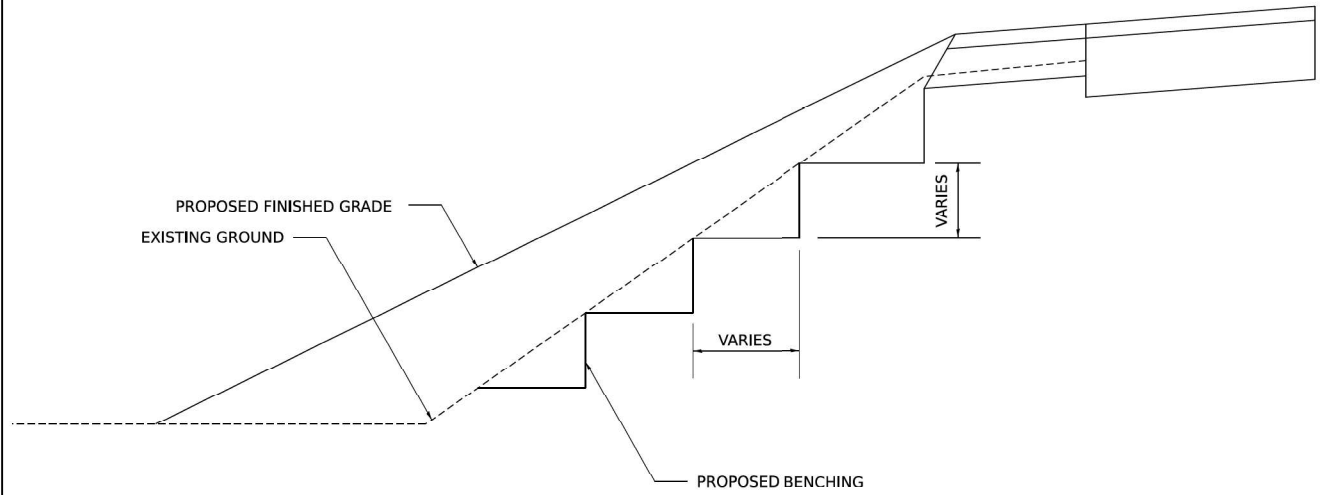


- NOTES:
- (HIGHWAY GRADE GREATER THAN 2%)
- NOTES:
- (IN SAG CONDITION)
(PIPE DRAIN ON EACH SIDE)

REVISED - 8-03-17	REGION 2 / DISTRICT 2 STANDARD					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED - 7-13-16											
REVISED - 1-05-16											
REVISED - 6-27-14											
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO.					
						ILLINOIS	FED. AID PROJECT				

UNDERDRAIN FOR ACROSS ROAD (AR) CULVERTS 37.2

TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06	REGION 2 / DISTRICT 2 STANDARD					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -										
REVISED -										
REVISED -										
						CONTRACT NO.				
REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.				
							ILLINOIS	FED. AID PROJECT		

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

AMES Engineering, Inc.

CONSULTING ENGINEERS

6330 Belmont Road, Suite 4B

Downers Grove, IL 60516

USER NAME

DESIGNED - SH

DRAWN - RA

CHECKED - JR

DATE - 5/30/2025

REVISED -

REVISED -

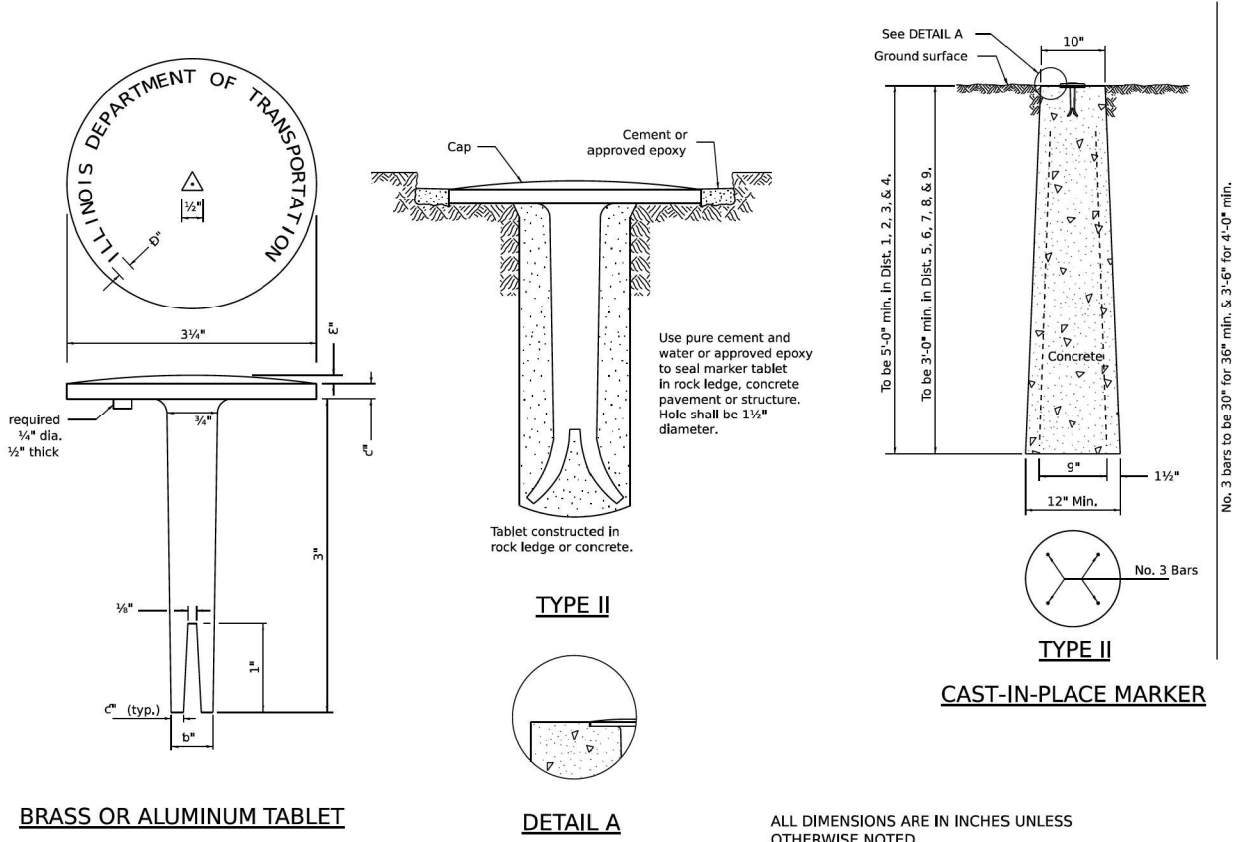
REVISED -

REVISED -

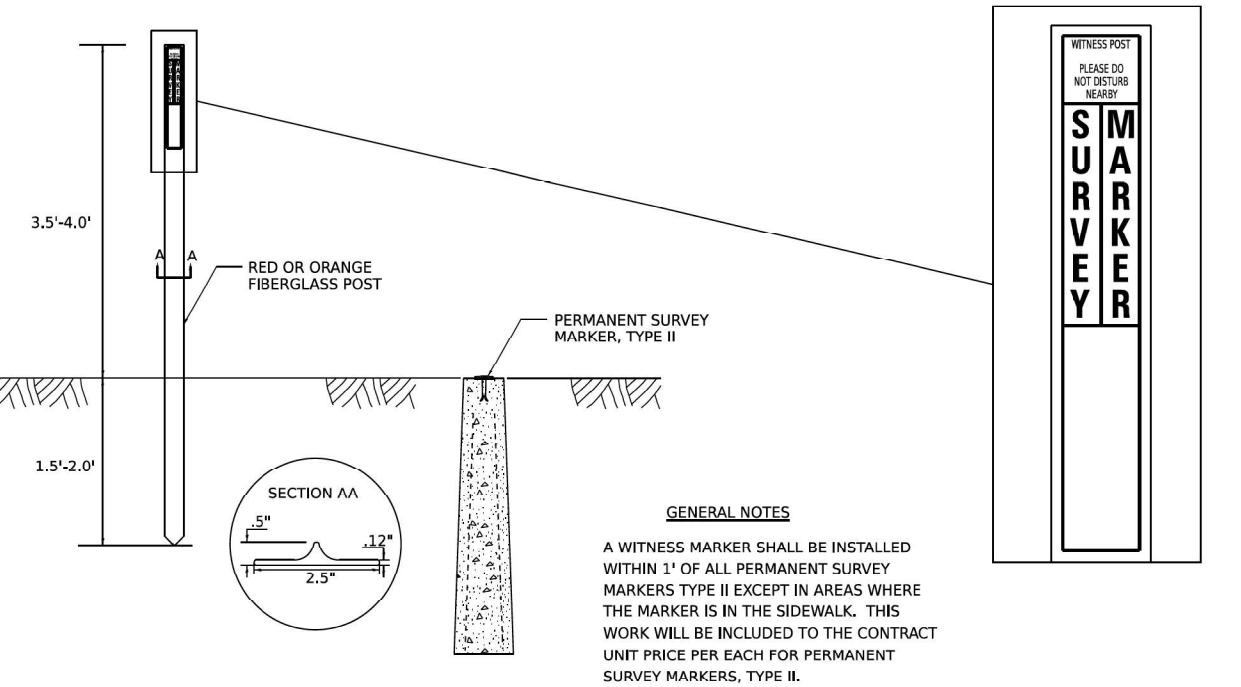
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DISTRICT 2 DETAILS				636	136CR	HENRY	49	33
				CONTRACT NO. 64L71				
SCALE:	SHEET	OF	#### SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

PERMANENT SURVEY MARKERS, TYPE II



WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



MODEL: 66d2
FILE NAME: DISTRICT 2 STANDARD
PLOT DATE: 4/17/2025

REVISED - 6-27-14	REGION 2 / DISTRICT 2 STANDARD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED - 10-14-11										
REVISED -										
REVISED -										
	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO.			
							ILLINOIS	FED. AID PROJECT		

PERMANENT SURVEY MARKERS, TYPE II 66.2

MODEL: 66d2
FILE NAME: DISTRICT 2 STANDARD
PLOT DATE: 4/17/2025



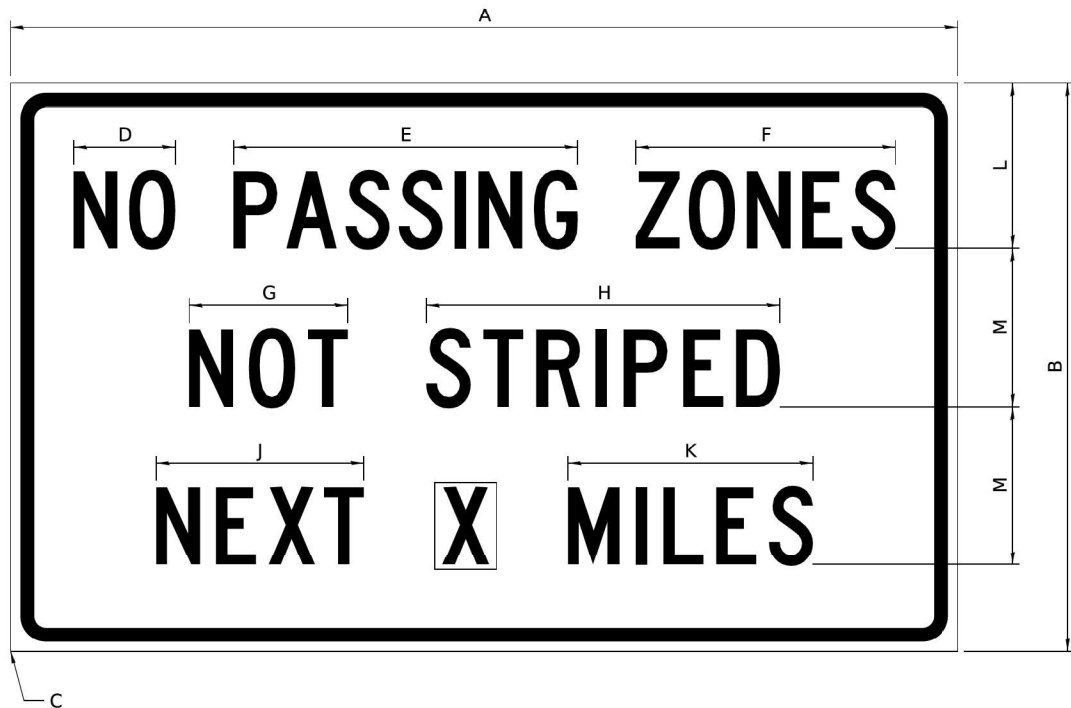
USER NAME	shassan	DESIGNED	SH	REVISED	-
		DRAWN	RA	REVISED	-
PLOT SCALE	SCALE	CHECKED	JR	REVISED	-
PLOT DATE	8/5/2025	DATE	5/30/2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DISTRICT 2 STANDARD		636	136CR	HENRY	49	34
		CONTRACT NO. 64L71				
SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED 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

GENERAL NOTES

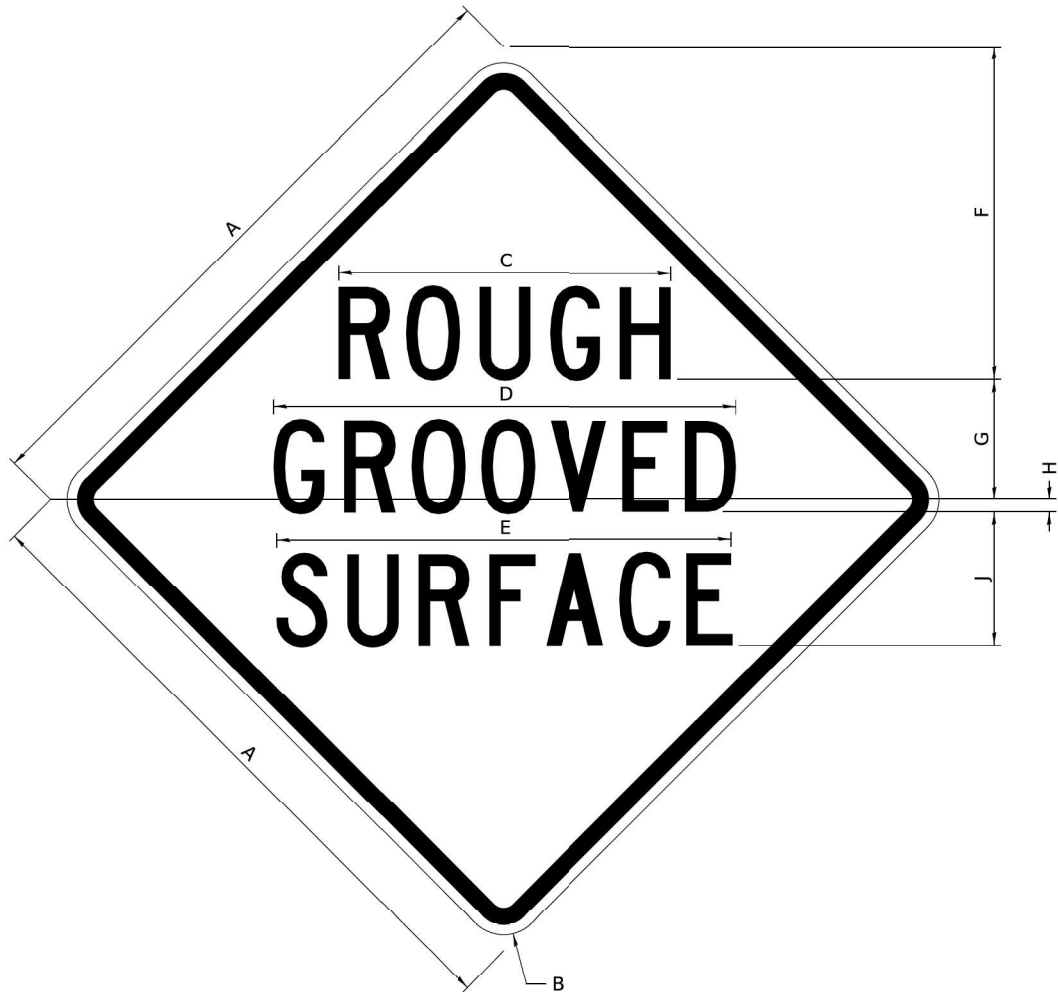
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

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.

ILLINOIS STANDARD W8-I107



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED 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

MODEL: 34r11_sheet1
FILE NAME: DISTRICT 2 STANDARD



USER NAME = ID@E@DISTRICT 2	DESIGNED - SH	REVISED - 3-02-16
	DRAWN - RA	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - JR	REVISED -
PLOT DATE = 6/17/2025	DATE - 5/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

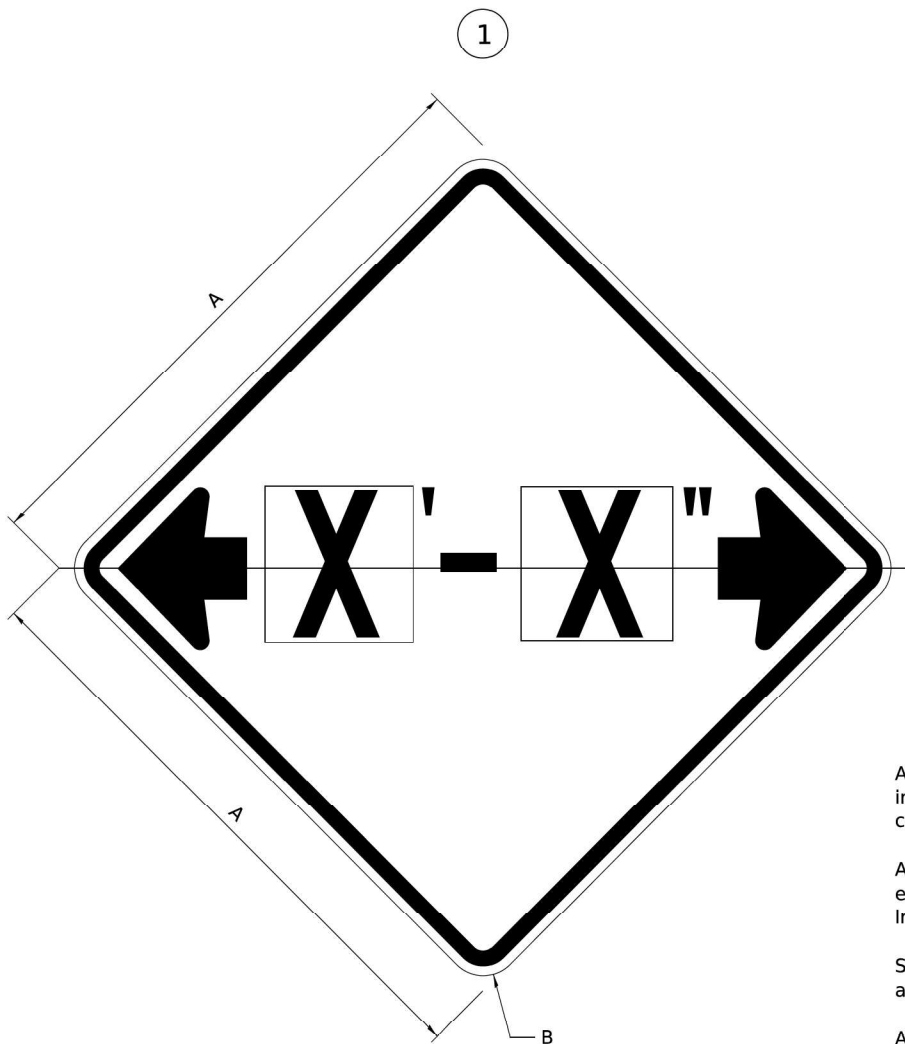
IL 82
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET 30 OF #### SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
636	136CR	HENRY	49	35
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-I102



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

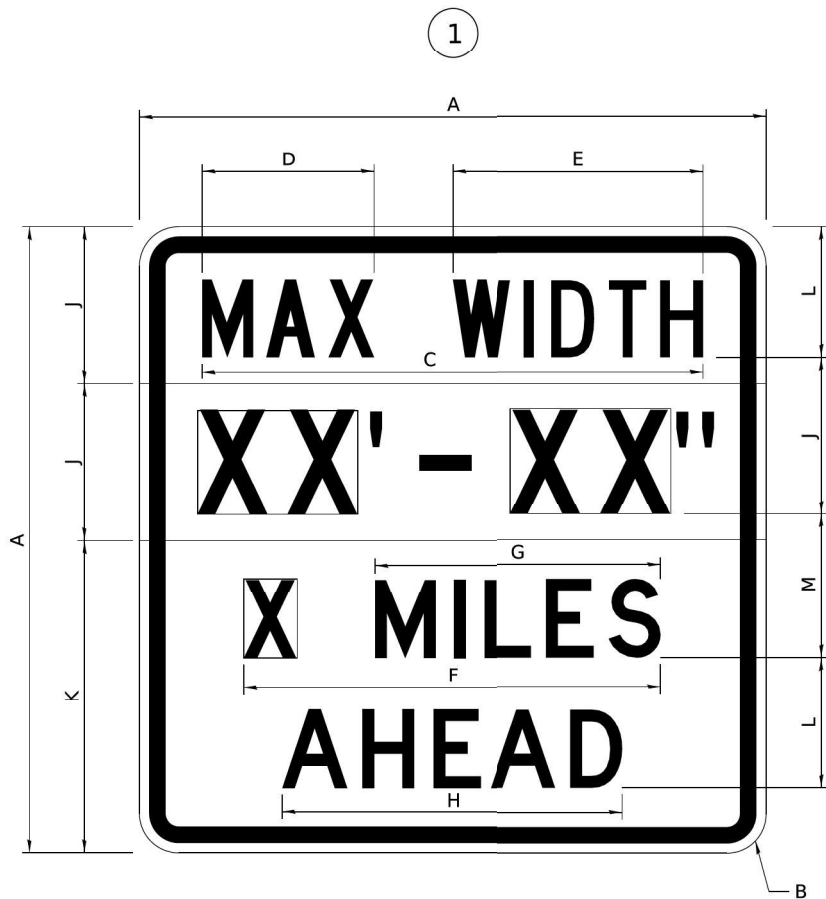
SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

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

ILLINOIS STANDARD W12-I103



COLOR LEGEND AND BORDER BACKGROUND BLACK FL ORANGE NON-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

MODEL: 34r11_sheer2
FILE NAME: DISTRICT 2 STANDARD



USER NAME = ID@#A DISTRICT 2	DESIGNED - SH	REVISED - 3-02-16
	DRAWN - RA	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - JR	REVISED -
PLOT DATE = 8/19/2025	DATE - 5/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
REGION 2 / DISTRICT 2 STANDARD

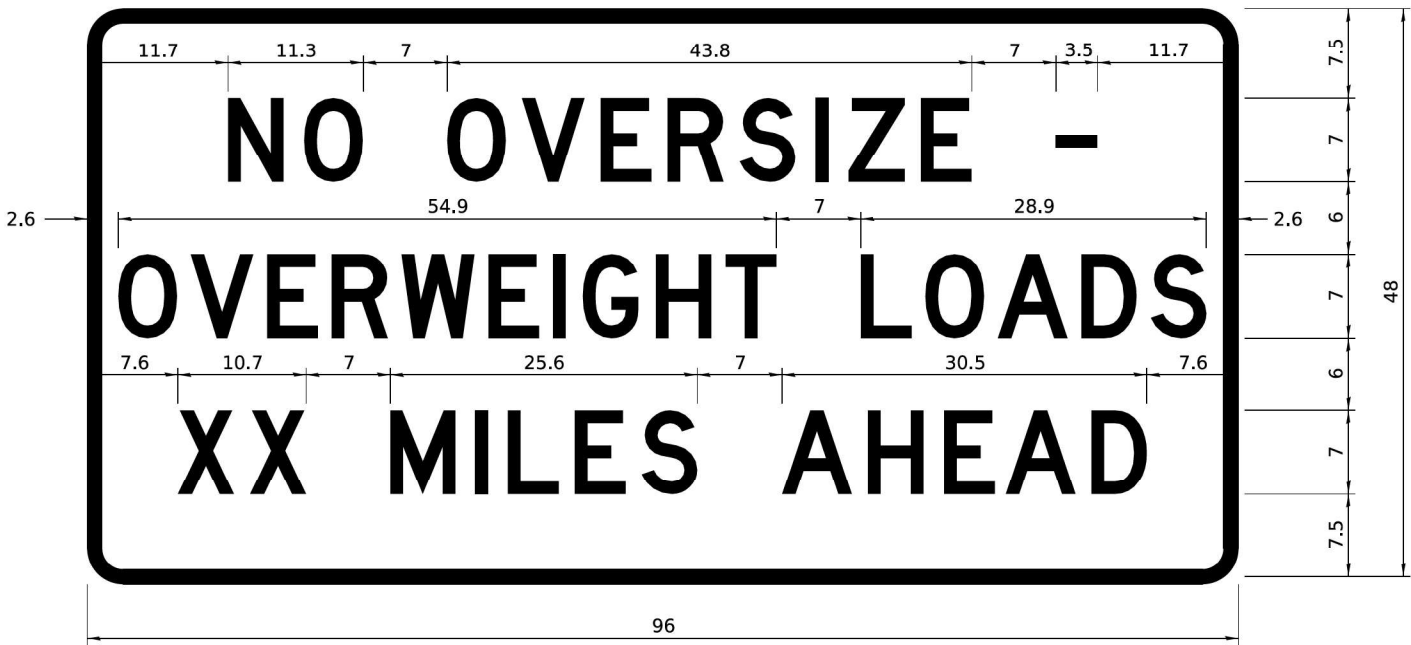
SCALE: SHEET 31 OF #### SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
636	136CR	HENRY	49	36
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

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
-------	------------------------------	--------------	---------------------------------

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.

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

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

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

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.

MODEL: 34r11_sheets
FILE NAME: DISTRICT 2 STANDARD



USER NAME = ID@#&#DISTRICT 2	DESIGNED - SH	REVISED - 3-02-16
	DRAWN - RA	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - JR	REVISED -
PLOT DATE = 6/17/2025	DATE - 5/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

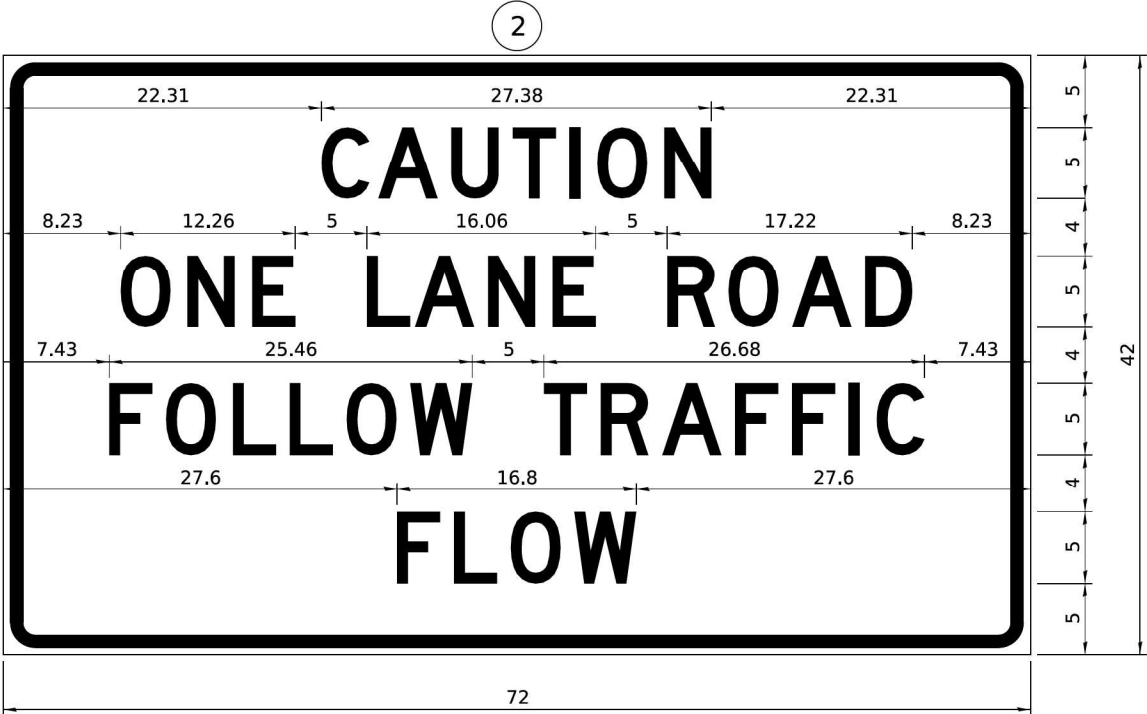
IL 82
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET 32 OF #### SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
636	136CR	HENRY	49	37
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS

WORK ZONE SIGN DETAILS



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	0.62	A	0.94	U	0.94	T	0.94	I	1.17	O	1.17	N	3.36	22.31
-------	---	------	---	------	---	------	---	------	---	------	---	------	---	------	-------

8.23	O	1.17	N	1.18	E
------	---	------	---	------	---

5.00	L	0.31	A	0.94	N	1.17	E
------	---	------	---	------	---	------	---

5.00	R	0.93	O	0.94	A	0.93	D	8.23
------	---	------	---	------	---	------	---	------

7.43	F	0.94	O	1.17	L	0.94	L	0.94	O	0.94	W
------	---	------	---	------	---	------	---	------	---	------	---

5.00	T	0.94	R	0.94	A	0.93	F	0.94	F	0.94	I	1.18	C	7.43
------	---	------	---	------	---	------	---	------	---	------	---	------	---	------

27.60	F	0.94	L	0.94	O	0.93	W	27.60
-------	---	------	---	------	---	------	---	-------

Sign not to scale

GENERAL NOTES

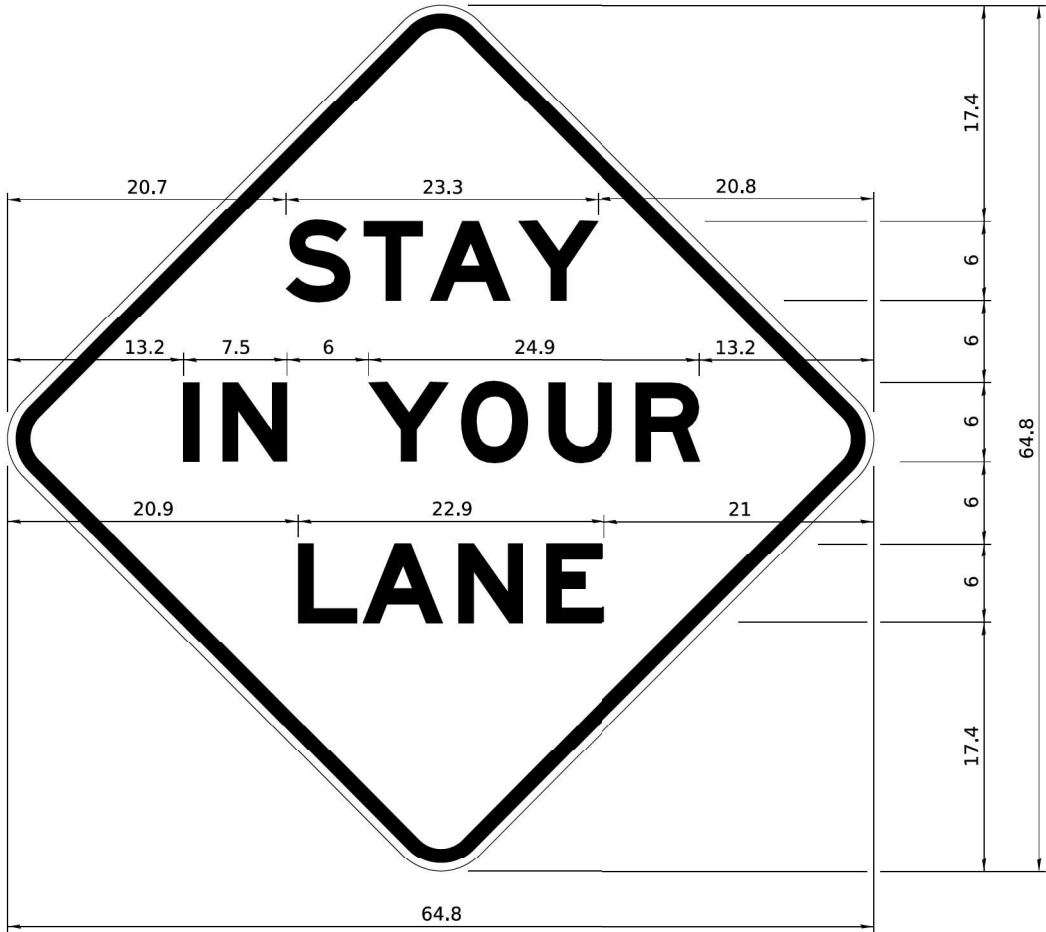
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

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
---	---	---	---

I	N	Y	O	U	R
---	---	---	---	---	---

L	A	N	E
---	---	---	---

Sign not to scale

MODEL: 34r11_shead
FILE NAME: DISTRICT 2 STANDARD



USER NAME = ID@E&DISTRICT 2	DESIGNED - SH	REVISED - 3-02-16
	DRAWN - RA	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - JR	REVISED -
PLOT DATE = 6/17/2025	DATE - 5/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

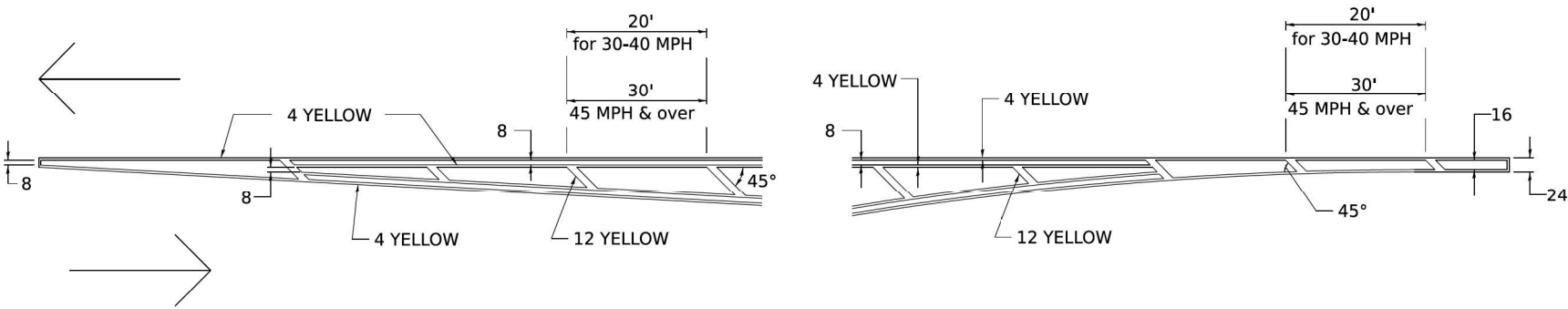
IL 82
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET 33 OF #### SHEETS STA. TO STA.

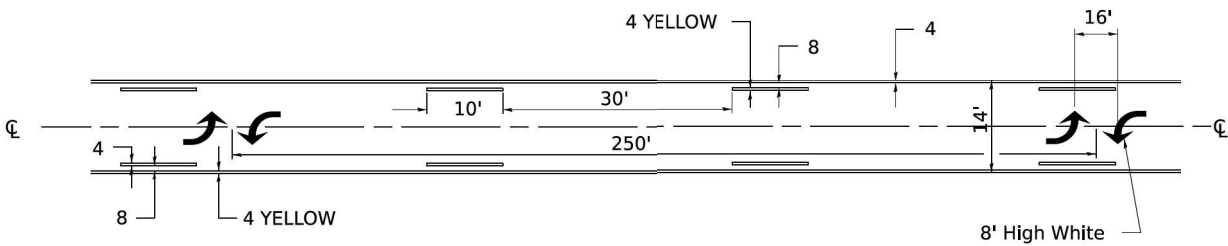
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
636	136CR	HENRY	49	38
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

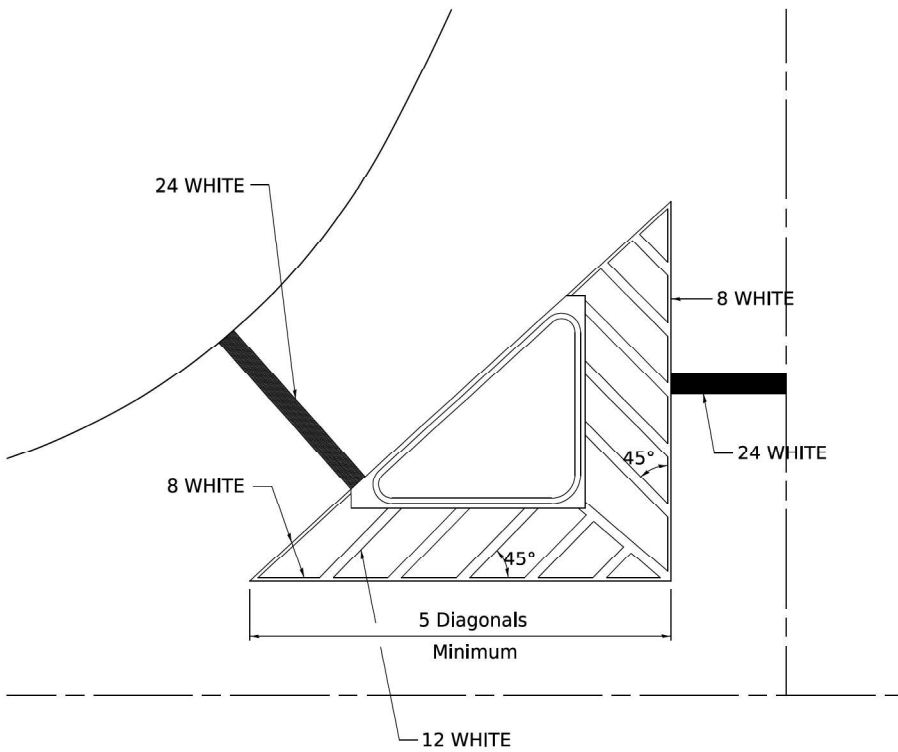


MEDIAN PAVEMENT MARKING



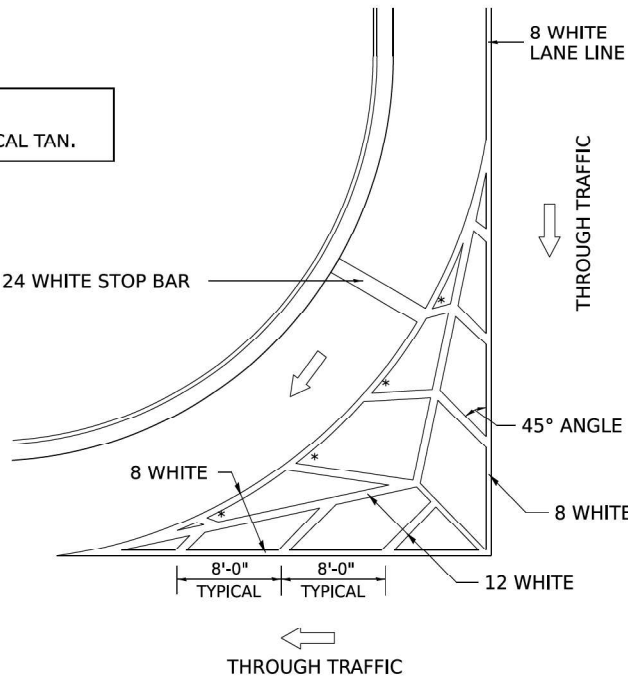
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



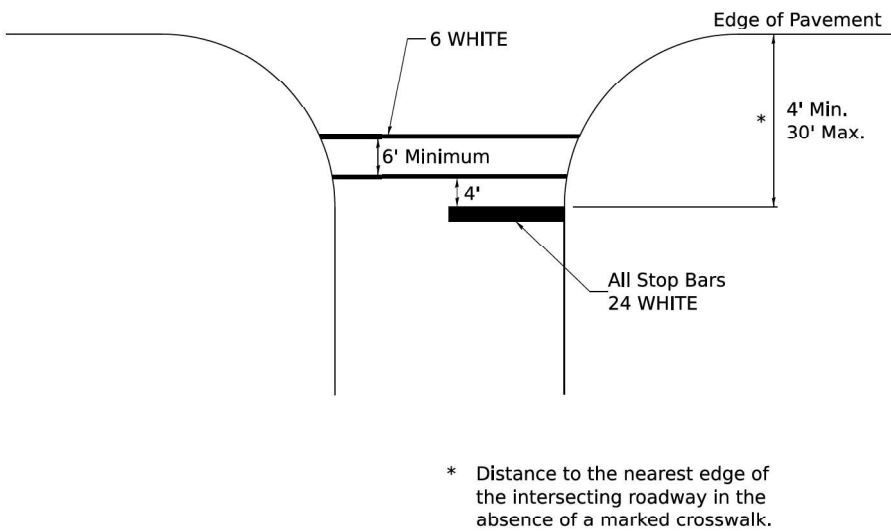
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

MODEL: 411r1 sheet1
FILE NAME: DISTRICT 2 STANDARD

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME	= ID@E&D DISTRICT 2	DESIGNED -	SH
		DRAWN -	RA
PLOT SCALE	= \$SCALE\$	CHECKED -	JR
PLOT DATE	= 8/29/2025	DATE -	5/30/2025

REVISED -	6-27-14
REVISED -	3-05-12
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

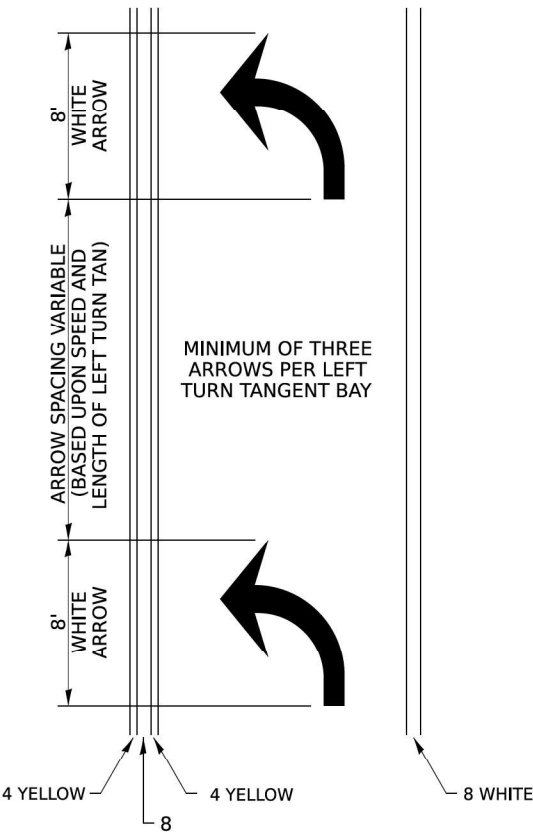
IL 82
REGION 2 / DISTRICT 2 STANDARD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
636	136CR	HENRY	49	39
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

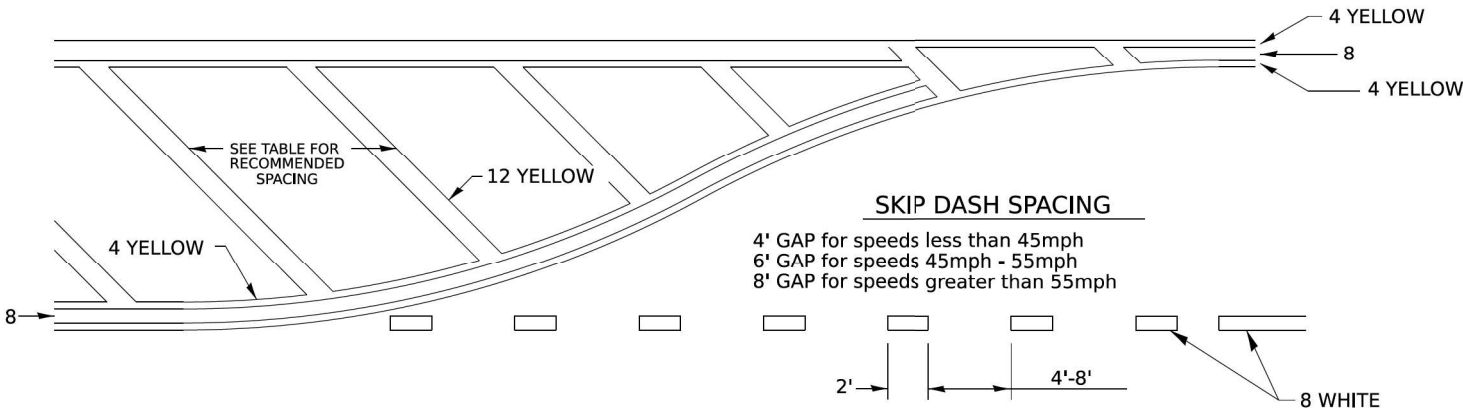


SYMBOLS

- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER
- TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE NOTED.

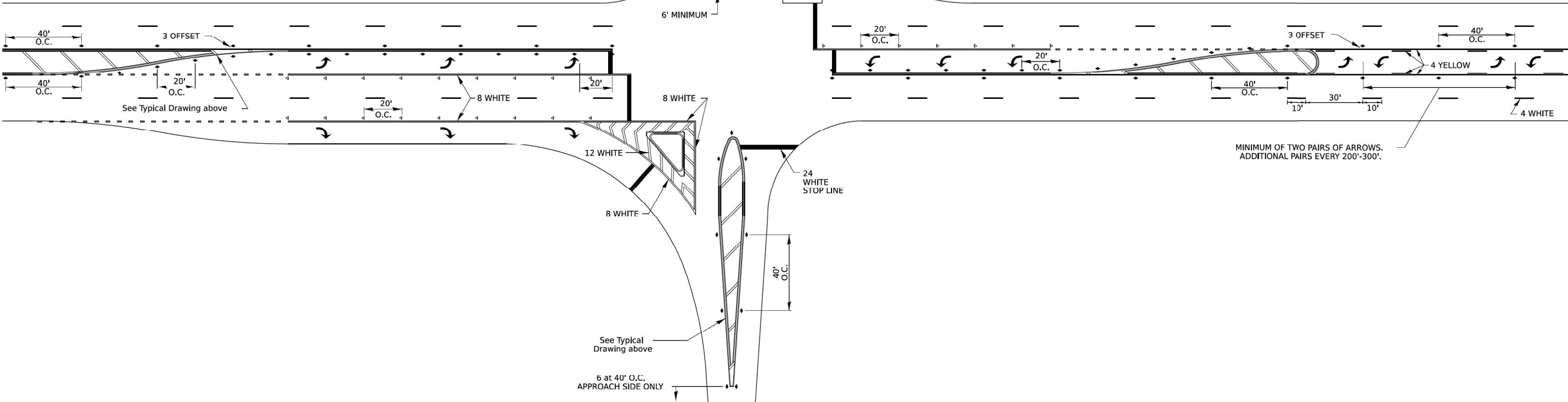
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



MODEL: 41101_sheets
FILE NAME: DISTRICT 2 STANDARD

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = ID@#&#DISTRICT 2	DESIGNED - SH	REVISED - 6-27-14
	DRAWN - RA	REVISED - 3-05-12
PLOT SCALE = \$SCALE\$	CHECKED - JR	REVISED -
PLOT DATE = 8/29/2025	DATE - 5/30/2025	REVISED -

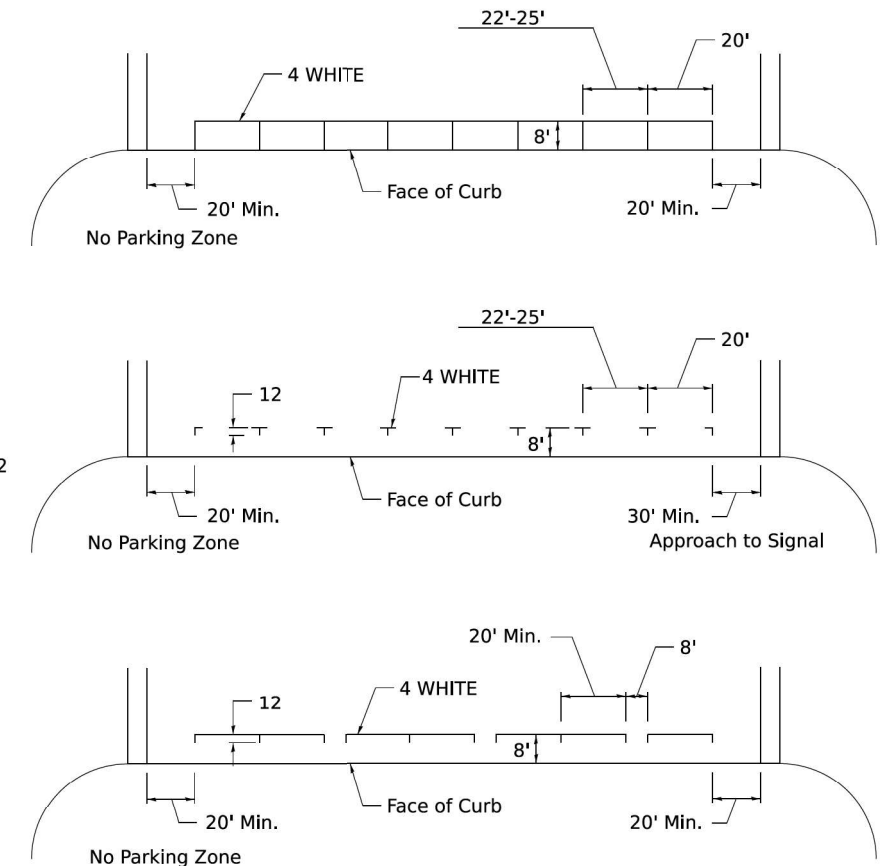
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
REGION 2 / DISTRICT 2 STANDARD

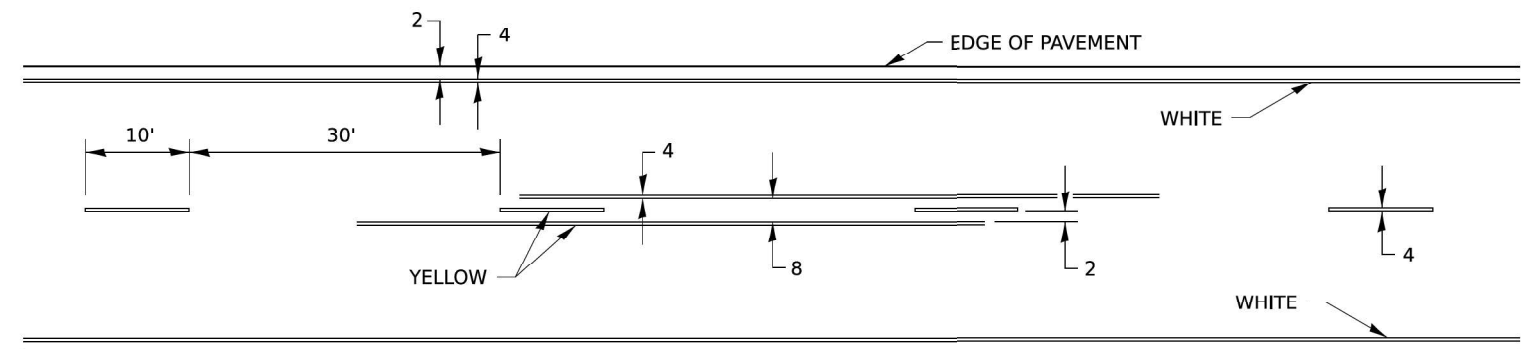
SCALE: SHEET OF #### SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
636	136CR	HENRY	49	40
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				

TYPICAL PARKING SPACING



MULTI-LANE / DIVIDED



MULTI-LANE / UNDIVIDED & ONE WAY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
REGION 2 / DISTRICT 2 STANDARD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	41
CONTRACT NO. 64L71				
ILLINOIS		FED. AID PROJECT		

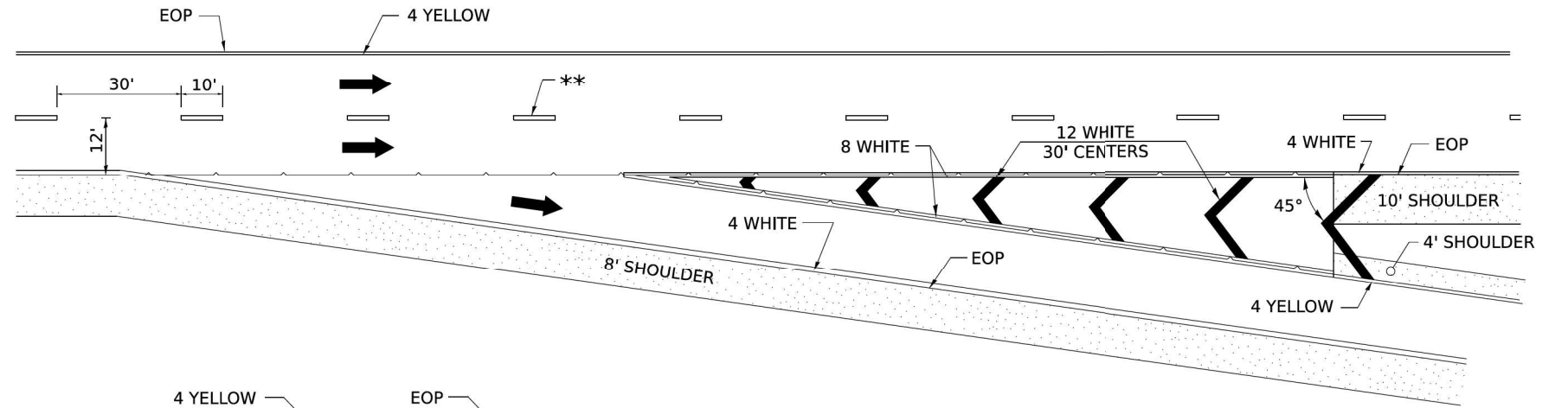
TYPICAL PAVEMENT MARKINGS

**** 6" WHITE ON INTERSTATES, WHERE THE SPEED LIMIT IS 65 MPH, OR WHEN DIRECTED BY THE ENGINEER.**

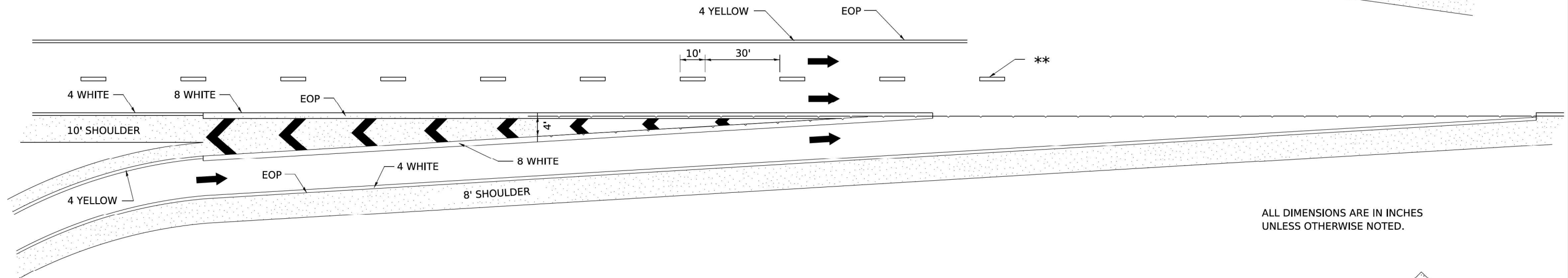
4" WIDE AT ALL OTHER LOCATIONS.

NOTE: GORE HATCHING PLACED ONLY
WHEN SCHEDULED IN THE PLANS

EXIT RAMP

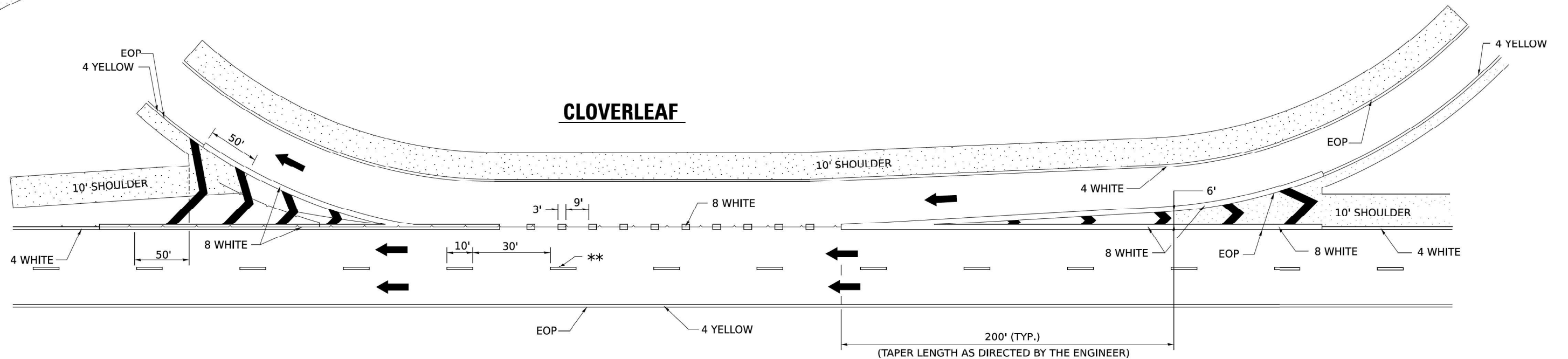


ENTRANCE RAMP



ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE NOTED.

CLOVERLEAF



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 82
REGION 2 / DISTRICT 2 STANDARD

SCALE:	SHEET	OF ####	SHEETS	STA.	TO STA.
--------	-------	---------	--------	------	---------

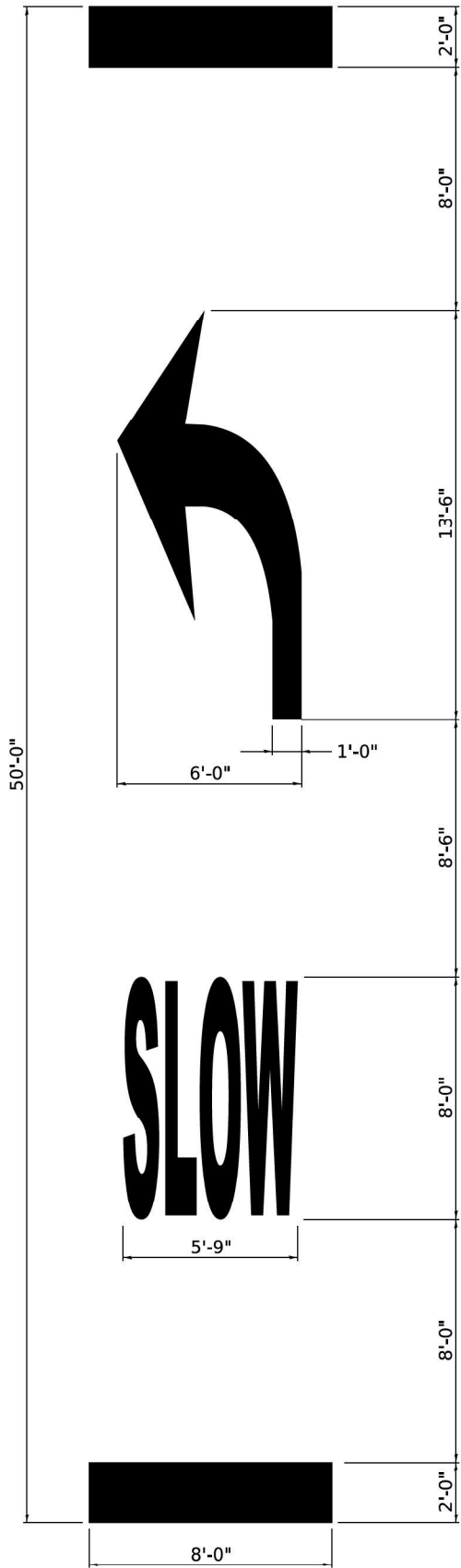
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	42
		CONTRACT NO. 64L71		
		ILLINOIS FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS SHEET 4 OF 5 41.1

MODEL: 41pt1_sheet4
FILE NAME: DISTRICT 2 STANDARD

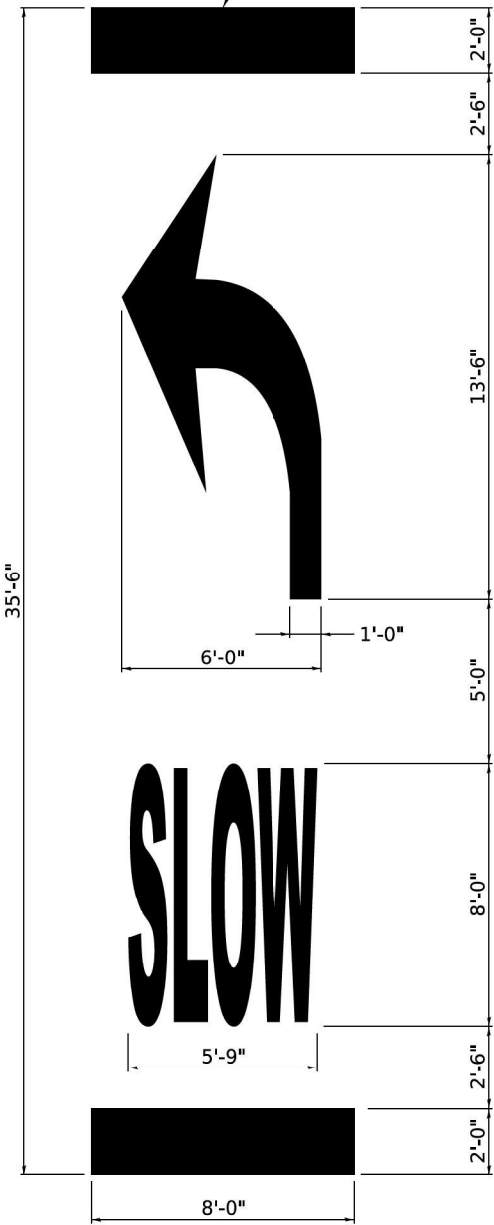
TYPICAL PAVEMENT MARKINGS

EDGE OF 24" PAVEMENT MARKING
SHOULD CORRESPOND TO REFERENCE
POINT SET IN FIELD.



**SLOW CURVE ARROW
HIGH-SPEED STANDARD MARKING**

(POSTED SPEED LIMIT 40 MPH OR GREATER)



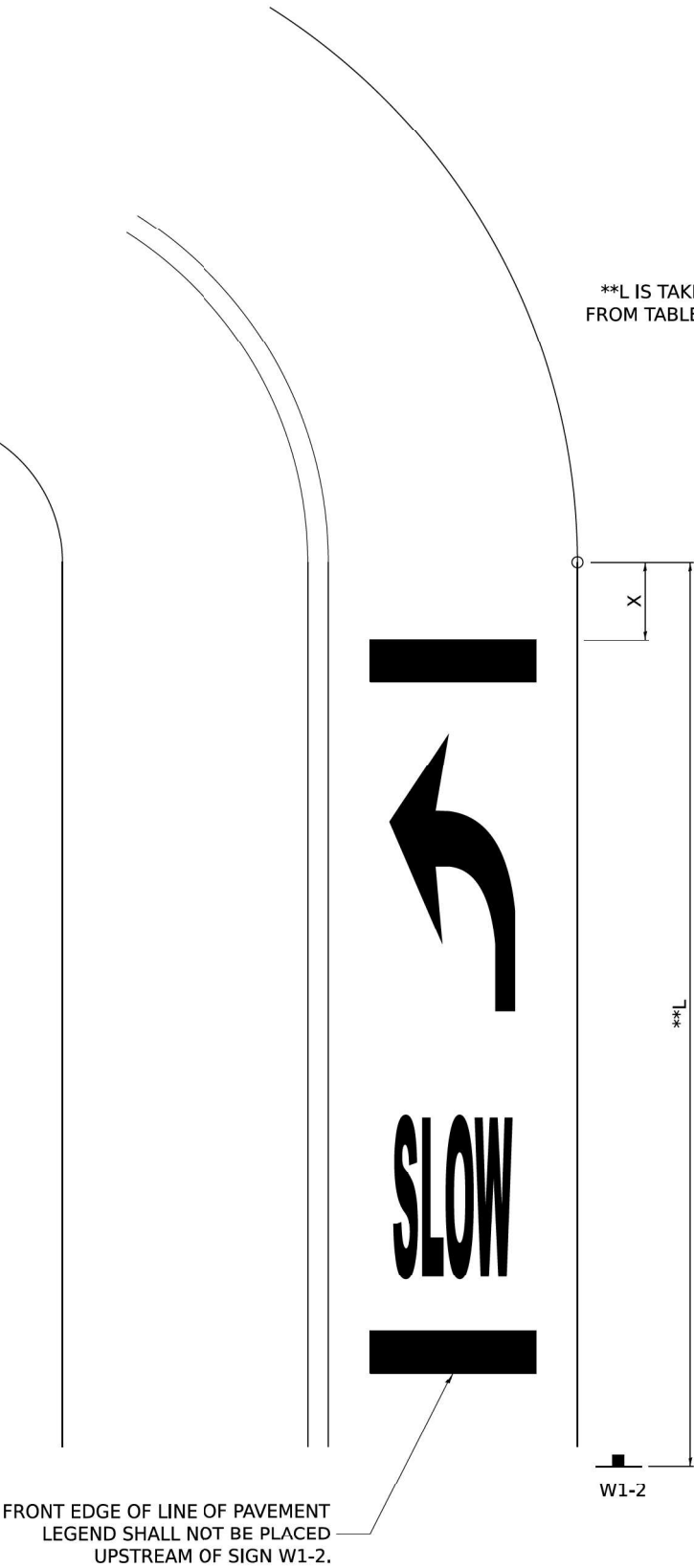
**SLOW CURVE ARROW
LOW-SPEED STANDARD MARKING**

(POSTED SPEED LIMIT 35 MPH OR LESS)

TABLE 1A

POSTED SPEED	WARNING SPEED							
	20	25	30	35	40	45	50	55
	VALUE OF X (FT.)							
20 *	100							
25 *	100	100						
30 *	100	100	100					
35 *	100	100	100	100				
40 *	100	100	100	100	100			
45 *	125	110	100	100	100	100		
50 *	225	200	175	135	100	100	100	
55 *	300	275	250	200	175	135	100	100

* NOTE: ON ROADWAYS WITH A POSTED SPEED LIMIT OF 35 MPH OR LESS, USE THE 35'-6" PAVEMENT MARKING LEGEND AS SHOWN IN THE SLOW CURVE ARROW, LOW-SPEED STANDARD MARKING. ON ALL OTHER ROADWAYS, USE THE 50'-0" PAVEMENT MARKING LEGEND AS SHOWN ON THE SLOW CURVE ARROW, HIGH-SPEED STANDARD MARKING.



**TYPICAL LAYOUT AND PLACEMENT OF
SUPPLEMENTAL CURVE PLACEMENT MARKING**

MODEL: 41r11_sheets
FILE NAME: DISTRICT 2 STANDARD

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = ID@E&D DISTRICT 2
DESIGNED - SH
DRAWN - RA
PLOT SCALE = \$SCALE\$
PLOT DATE = 8/29/2025

REVISD - 4-17-25
REVISD -
CHECKED - JR
DATE - 5/30/2025

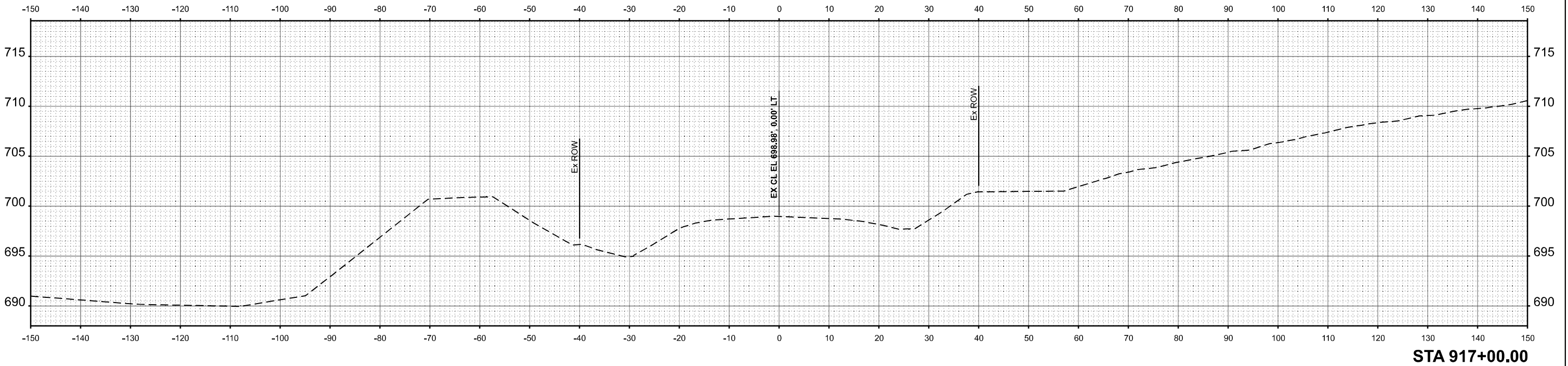
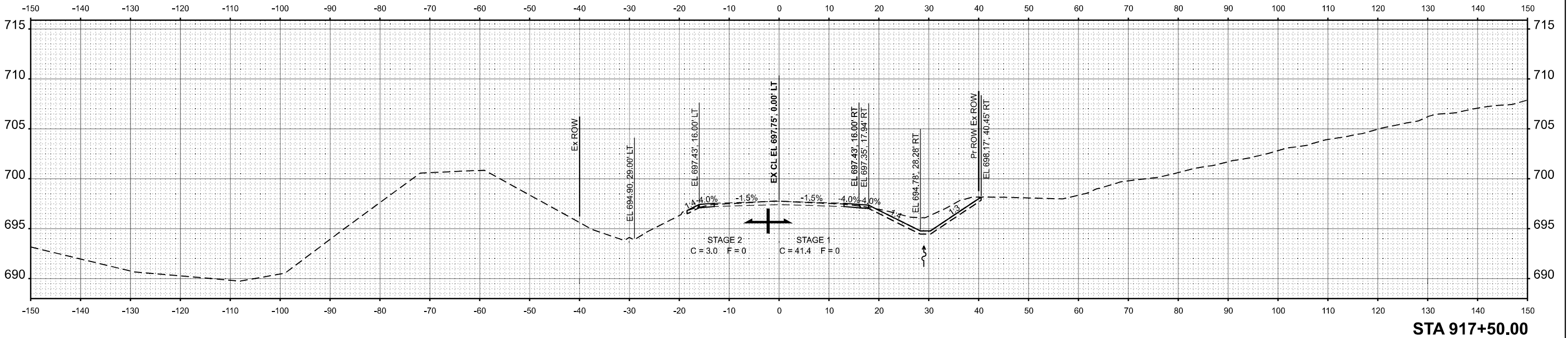
REVISD -
REVISD -
REVISD -

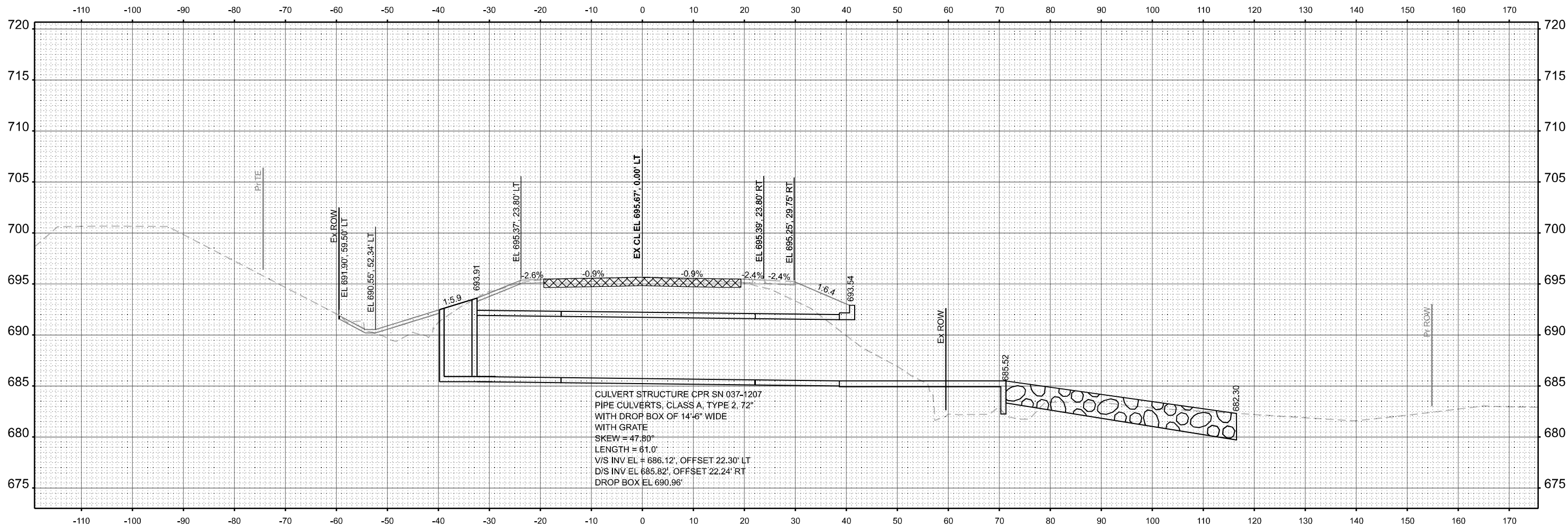
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET 51 OF ### SHEETS STA. TO STA.

F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
636 136CR HENRY 49 43
CONTRACT NO. 64L71
ILLINOIS FED. AID PROJECT





STA 919+23.99
SKEW ANGLE = 47.80°

MODEL:
FILE NAME:



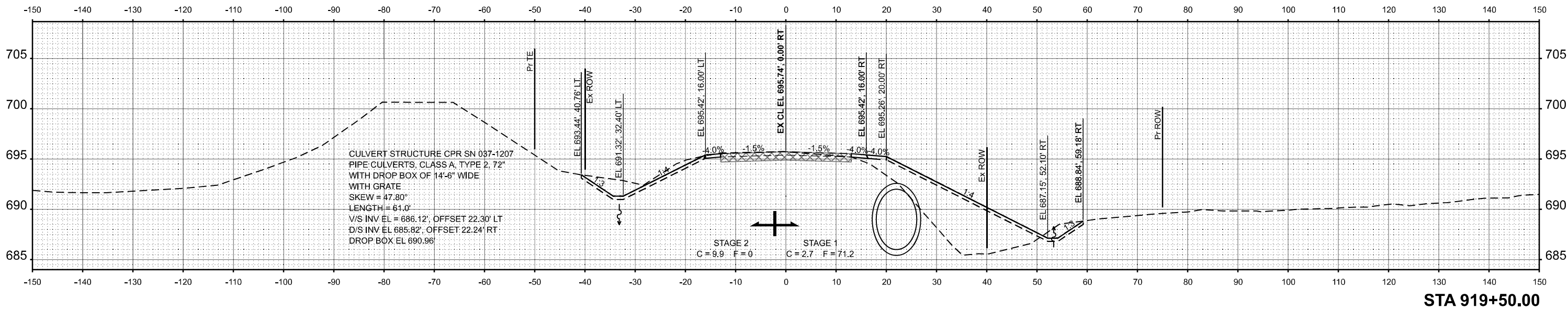
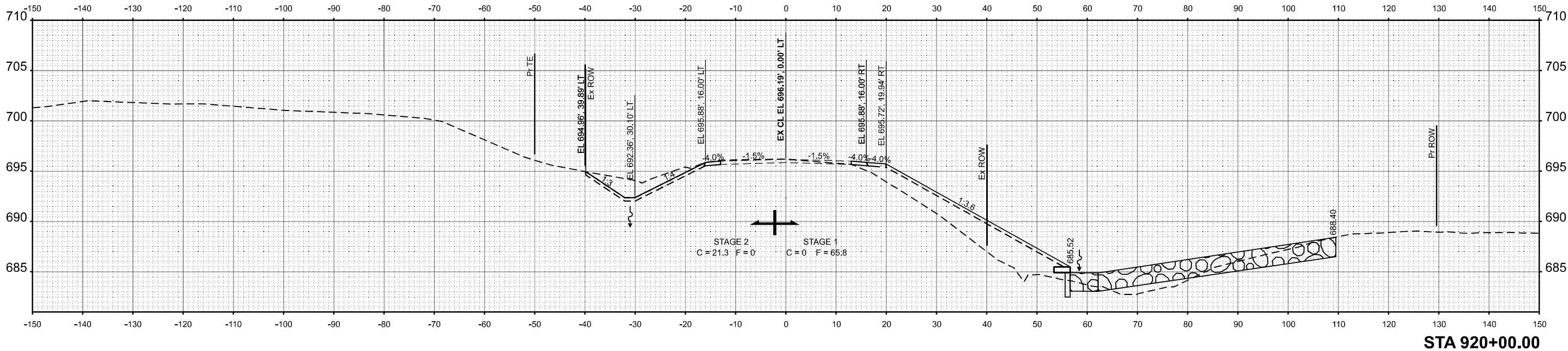
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	DRAWN - RA	REVISED - ____
PLOT SCALE = \$SCALE\$	CHECKED - JR	REVISED - ____
PLOT DATE = 8/5/2025	DATE - 5/30/2025	REVISED - ____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
PROPOSED CROSS SECTIONS

SCALE: 1"=10' SHEET OF SHEETS STA. 919+23.99 TO STA. 919+23.99

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	46
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				



MODEL:
FILE NAME:



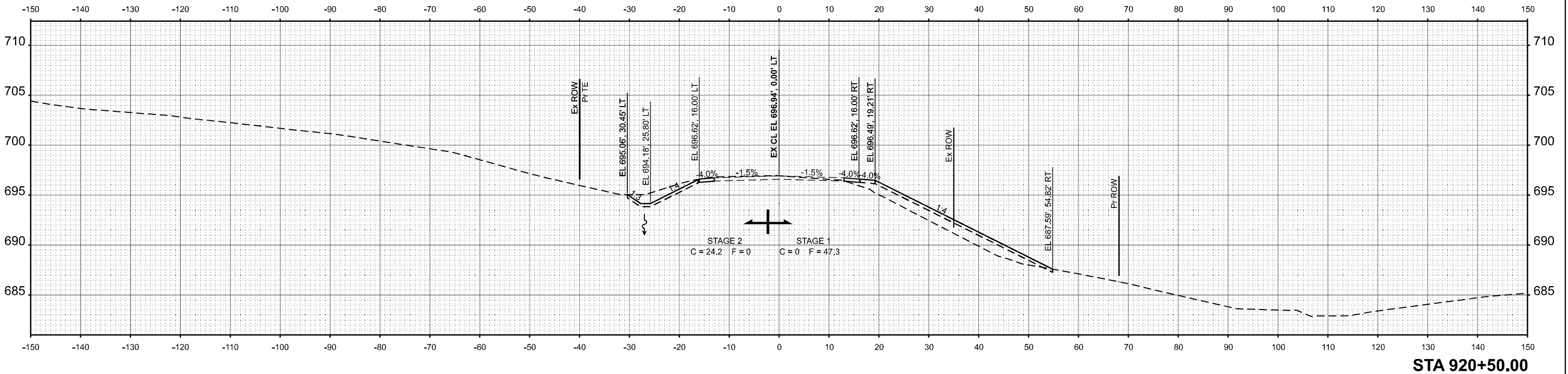
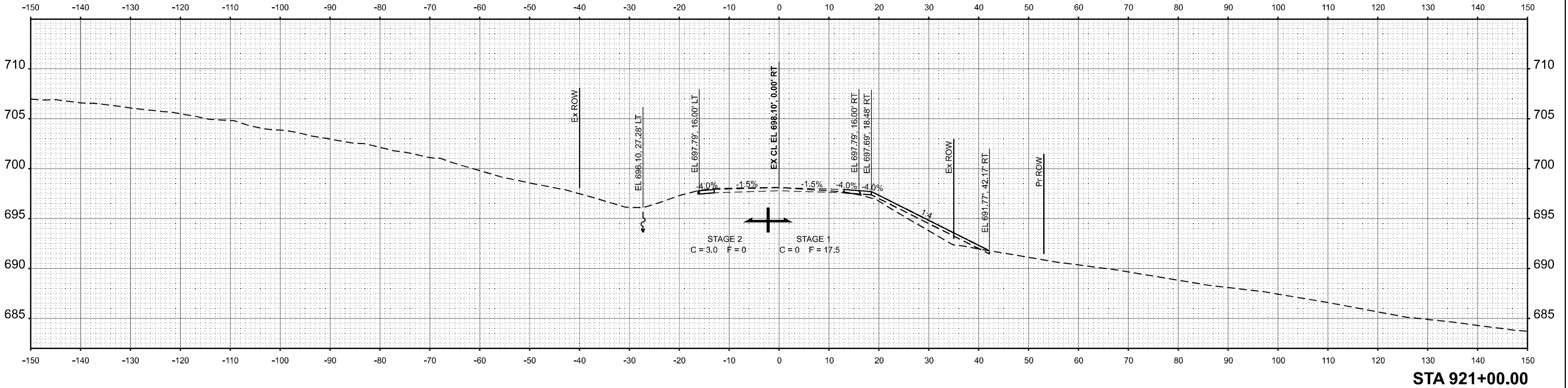
USER NAME = msomer	DESIGNED - SH	REVISED -
	DRAWN - RA	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - JR	REVISED -
PLOT DATE = 8/5/2025	DATE - 5/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
PROPOSED CROSS SECTIONS

SCALE: 1"=10' SHEET 4 OF ### SHEETS STA. 919+50.00 TO STA. 920+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	47
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				



MODEL:
FILE NAME:



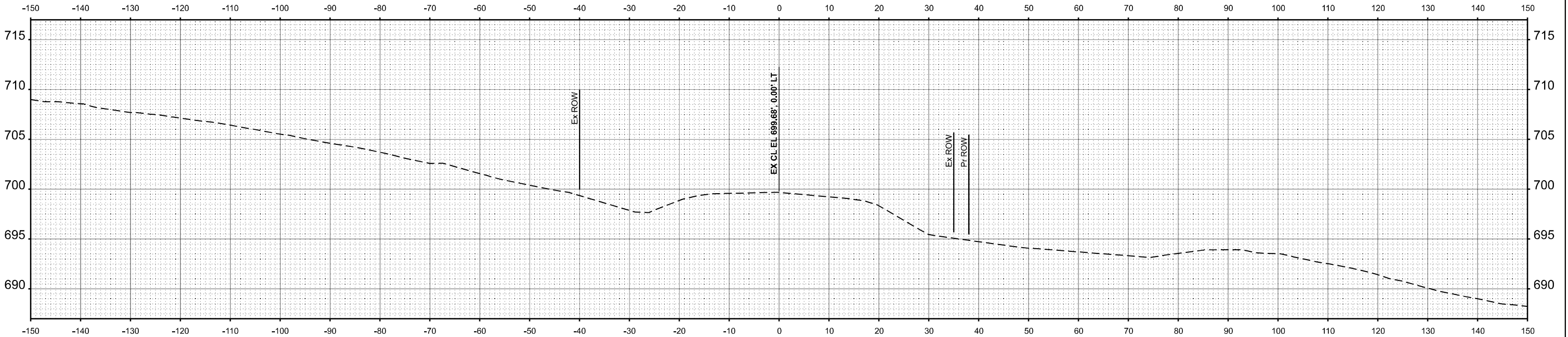
USER NAME = msomer	DESIGNED - SH	REVISED -
	DRAWN - RA	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - JR	REVISED -
PLOT DATE = 8/5/2025	DATE - 5/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82
PROPOSED CROSS SECTIONS

SCALE: 1"=10' SHEET 5 OF ### SHEETS STA. 920+50.00 TO STA. 921+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	48
CONTRACT NO. 64L71				
ILLINOIS FED. AID PROJECT				



STA 921+50.00

MODEL:
FILE NAME:

**AMES Engineering, Inc.**
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60516

USER NAME = msomer	DESIGNED - SH	REVISED -
	DRAWN - RA	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - JR	REVISED -
PLOT DATE = 8/5/2025	DATE - 5/30/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 82			
PROPOSED CROSS SECTIONS			
SCALE: 1"=10'	SHEET 6	OF 6 SHEETS	STA. 921+50.00 TO STA. 922+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
638	136CR	HENRY	49	49
		CONTRACT NO. 64L71		
ILLINOIS		FED. AID PROJECT		