

ARDMORE RODERICK  
YUN S. KIM, P.E.  
# 062-059992



DATE: 11/30/2027  
SIGNATURE AND SEAL  
APPLIES TO DRAWINGS:  
1-19, 24-27, 44-48, 53-58

GSG CONSULTANTS  
DEREK A. MEYERS  
# 062-070946



DATE: 11/30/2027  
SIGNATURE AND SEAL  
APPLIES TO DRAWINGS:  
20-23

GSG CONSULTANTS  
MAJLINDA AGOJCI  
# 081-006911



DATE: 11/30/2026  
SIGNATURE AND SEAL  
APPLIES TO DRAWINGS:  
33-43

SINGH AND ASSOCIATES  
SAMEER S. AGRAWAL  
# 062-072788

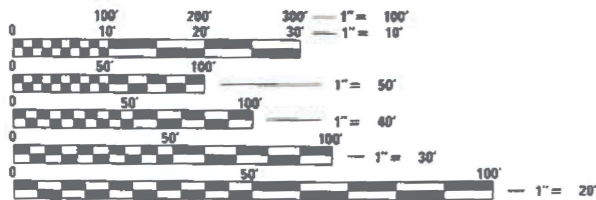


DATE: 11/30/2027  
SIGNATURE AND SEAL  
APPLIES TO DRAWINGS:  
28-32, 49-52

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN CITY OF ZION

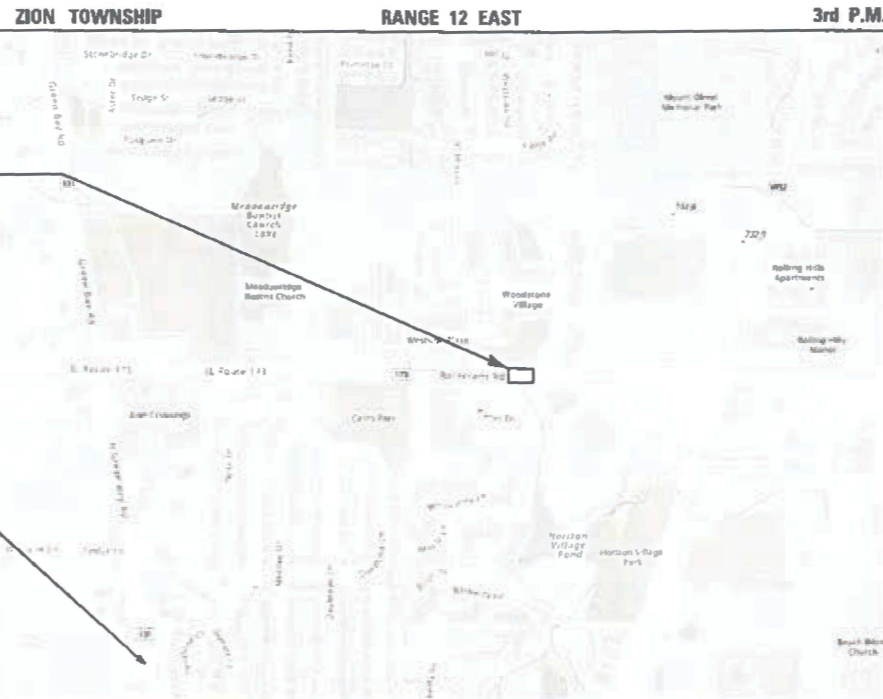
TRAFFIC DATA (IL 173):  
ADT 2023: 11,300 VPD  
POSTED SPEED LIMIT: 45 MPH  
DESIGN SPEED LIMIT: 45 MPH



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 LOCATION  
IL 173 (ROSECRANS ROAD)  
OVER UNNAMED DITCH  
S.N. 049-0522 (EXIST.)  
S.N. 049-8300 (PROP.)



LOCATION MAP  
(NOT TO SCALE)

GROSS & NET LENGTH = 500 FT. = 0.10 MILE

PROJECT MANAGER PRAVEEN KAINI, P.E. (847) 705-4237

CONTRACT NO. 62T82

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED  
HIGHWAY PLANS

FAP ROUTE 303 IL 173 (ROSECRANS ROAD)  
AT UNNAMED DITCH (0.5 MILES EAST OF IL 131)  
SECTION: FAP 0303 22 CR  
PROJECT NO.: NHPP-1JD1(749)  
CULVERT REPLACEMENT  
LAKE COUNTY  
C-91-266-22

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 62T82		

D-91-213-22



LOCATION OF SECTION INDICATED THIS: - [Symbol] -



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED: Dec 4<sup>th</sup> 2025  
2025  
Regional Engineer

January 23 2026  
Engineer of Design and Environment

January 23 2026  
Director of Highways Project Implementation

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

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58	TC-26 DRIVEWAY ENTRANCE SIGNING

**LIST OF HIGHWAY STANDARDS**

STANDARD NO.	DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-04	NAME PLATE FOR BRIDGES
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
630001-13	STEEL PLATE BEAM GUARDRAIL
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

**COMMITMENTS**

- TO CONSERVE THE NORTHERN LONG EARED BAT (NLEB) AND TRICOLORED BAT (TCB), NO TREE REMOVAL SHALL OCCUR BETWEEN APRIL 1 AND OCTOBER 31 OF ANY GIVEN YEAR.

**GENERAL NOTES**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE CITY OF ZION, AND LAKE COUNTY.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL TAKE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS, BY THE CONTRACTOR, SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- THE COST OF SAW CUTTING SHALL BE INCLUDED IN THE UNIT PRICES FOR THE VARIOUS REMOVAL PAY ITEMS.
- EXISTING UNDERGROUND AND ABOVE-GROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST OR THE EXISTENCE OF WHICH WAS NOT KNOWN AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY AND TO PROTECT ALL SUCH EXISTING FEATURES DURING CONSTRUCTION.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- THE RESIDENT ENGINEER SHALL CONTACT BRANDY KENNEDY, AREA TRAFFIC FIELD ENGINEER, AT BRANDY.KENNEDY@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE "DISTRICT 1 TYPICAL PAVEMENT MARKING" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE RESIDENT ENGINEER AND CONTRACTOR SHALL VERIFY ALL EXISTING PAVEMENT MARKING PRIOR TO THE PROJECT STARTING. IF A DISCREPANCY OCCURS BETWEEN EXISTING PAVEMENT MARKINGS AND THE PROPOSED PAVEMENT MARKINGS, THE RESIDENT ENGINEER SHALL CONTACT THE BUREAU OF TRAFFIC OPERATIONS.
- THE CONTRACTOR SHALL CONTACT THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR, MEADE ELECTRIC COMPANY, AT (773) 287-7672 PRIOR TO THE START OF CONSTRUCTION TO LOCATE ALL IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- ONLY THOSE TREES DESIGNATED BY THE ENGINEER, LISTED IN THE TREE REMOVAL SCHEDULE, OR SHOWN IN THE PLANS SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS/HER OPERATIONS.
- ALL AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
- THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER 9 INCHES SHALL BE CS 1 OR RR 1.

**GENERAL NOTES CONTINUED**

- THE CONTRACTOR SHALL CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST TWO WEEKS PRIOR TO BEGINNING LANDSCAPE AND FORESTRY WORK.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND EROSION CONTROL PROTECTION DURING ALL STAGES OF CONSTRUCTION.
- POLLUTION CONTROL: THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THIS WORK IS NOT TO BE PAID SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- DURING CONSTRUCTION OPERATION, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED THE MATERIAL SHALL BE REMOVED A THE CLOSE OF EACH WORKDAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE OF DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF CONTRACT.
- THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
- CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE AFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGN MESSAGES SHALL BE REVISED TWO WEEKS THEREAFTER WITH MESSAGES WARNING TRAFFIC OF POTENTIAL TRAFFIC DELAYS, QUEUING, AND/OR WITH MESSAGES NOTIFYING TRAFFIC TO USE ALTERNATE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- THIS PROJECT REQUIRES AN US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AND IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM AXLE TRUCK.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE WOVEN.

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PLOT DATE = 1/21/2026	DATE - 12/05/2025	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 173  
 INDEX OF SHEETS, STANDARDS, COMMITMENTS, & GENERAL NOTES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	2
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 62T82	
FED. AID PROJECT				

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				BOX CULVERT
				0004 049-8300
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	38	38
20200100	EARTH EXCAVATION	CU YD	824	824
20400800	FURNISHED EXCAVATION	CU YD	460	460
20700220	POROUS GRANULAR EMBANKMENT	CU YD	90	90
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	686	686
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	76	76
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25
25000324	SEEDING, CLASS 5B	ACRE	0.25	0.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	23
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23
25100115	MULCH, METHOD 2	ACRE	0.25	0.25
25100630	EROSION CONTROL BLANKET	SQ YD	2442	2442
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	26	26

\* = SPECIALTY ITEM

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 173  
SUMMARY OF QUANTITIES

SCALE: SHEET NO. 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	3
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT			CONTRACT NO. 62T82	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				BOX CULVERT
				0004 049-8300
28000305	TEMPORARY DITCH CHECKS	FOOT	235	235
28000400	PERIMETER EROSION BARRIER	FOOT	661	661
28000510	INLET FILTERS	EACH	1	1
28100107	STONE RIPRAP, CLASS A4	SQ YD	117	117
28200200	FILTER FABRIC	SQ YD	117	117
28300400	AGGREGATE DITCH	TON	47	47
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	25	25
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	501	501
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	858	858
40600370	LONGITUDINAL JOINT SEALANT	FOOT	864	864
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	76	76
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	181	181
44000100	PAVEMENT REMOVAL	SQ YD	191	191
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1435	1435

\* = SPECIALTY ITEM

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DATE - 12/05/2025

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 173  
SUMMARY OF QUANTITIES**

SCALE: SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	4
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT			CONTRACT NO. 62T82	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				BOX CULVERT
				0004 049-8300
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	309	309
44004000	PAVED DITCH REMOVAL	FOOT	43	43
44004250	PAVED SHOULDER REMOVAL	SQ YD	77	77
48101498	AGGREGATE SHOULDERS, TYPE B 4"	SQ YD	199	199
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	268	268
48203100	HOT-MIX ASPHALT SHOULDERS	TON	12	12
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	2	2
50105220	PIPE CULVERT REMOVAL	FOOT	15	15
50200100	STRUCTURE EXCAVATION	CU YD	153	153
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	52	52
50300300	PROTECTIVE COAT	SQ YD	6	6
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	19920	19920
50800515	BAR SPLICERS	EACH	68	68
52200010	TEMPORARY SHEET PILING	SQ FT	1070	1070
54003000	CONCRETE BOX CULVERTS	CU YD	95.5	95.5

\* = SPECIALTY ITEM

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PLOT DATE = 12/4/2025

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DATE - 12/05/2025

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 173  
SUMMARY OF QUANTITIES

SCALE: SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	5
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT			CONTRACT NO. 62T82	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED
				20% STATE
				BOX CULVERT
0004				
049-8300				
54248510	CONCRETE COLLAR	CU YD	1	1
55100500	STORM SEWER REMOVAL 12"	FOOT	2	2
55100900	STORM SEWER REMOVAL 18"	FOOT	13	13
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	418	418
60500060	REMOVING INLETS	EACH	1	1
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	1.8	1.8
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	250	250
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	88	88
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4
63200310	GUARDRAIL REMOVAL	FOOT	271	271
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	565	565
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1

\* = SPECIALTY ITEM

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 173  
 SUMMARY OF QUANTITIES

SCALE: SHEET NO. 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T82	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED
				20% STATE
				BOX CULVERT
0004				
049-8300				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
* 66901006	REGULATED SUBSTANCES MONITORING	DAYS	30	30
* 67100100	MOBILIZATION	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	158	158
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5264	5264
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	41	41
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	7077	7077
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	91	91
70307160	TEMPORARY PAVEMENT MARKING - LINE 12" - TYPE IV TAPE	FOOT	369	369
70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	155	155
70400100	TEMPORARY CONCRETE BARRIER	FOOT	662.5	662.5
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	587.5	587.5
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2

\* = SPECIALTY ITEM

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 173  
SUMMARY OF QUANTITIES

SCALE: SHEET NO. 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T82	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				BOX CULVERT
				0004 049-8300
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	124	124
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5360	5360
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	965	965
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	107	107
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	73	73
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	4	4
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4	4
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2295	2295
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1
* X0326276	TEMPORARY LIGHTING FOR SINGLE LANE STAGING	L SUM	1	1
X5021512	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	2	2
X5504020	STORM SEWERS, DUCTILE IRON, TYPE 2 18"	FOOT	25	25
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	89	89

\* = SPECIALTY ITEM

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 173  
SUMMARY OF QUANTITIES

SCALE: SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	8
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT			CONTRACT NO. 62T82	



### EARTHWORK SCHEDULE

COLUMN NO.		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
PAY ITEM										20200100	20400800	21101505	66900200
LOCATION		STAGED CONSTRUCTION EXCAVATION	FINAL CONSTRUCTION EXCAVATION	**TOTAL EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	STAGED CONSTRUCTION FILL	FINAL CONSTRUCTION FILL	**TOTAL FILL	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	EARTH EXCAVATION	FURNISHED EXCAVATION	TOPSOIL EXCAVATION AND PLACEMENT (STRIP AND FILL DEPTH = 4")	NON-SPECIAL WASTE DISPOSAL *
STA	TO	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
17+00.00	17+50.00	0	0	0	0	0	2	2	-2	0	2	0	
17+50.00	18+00.00	0	1	1	1	0	5	5	-4	0	4	1	
18+00.00	18+50.00	0	11	11	9	0	3	3	6	5	0	6	
18+50.00	19+00.00	0	35	35	30	0	1	1	29	28	0	7	
19+00.00	19+50.00	0	48	48	41	0	13	13	28	40	5	8	
19+50.00	19+80.00	0	66	66	56	0	45	45	11	61	40	5	
19+80.00	20+00.00	222	65	287	244	153	31	184	60	282	179	5	
20+00.00	20+20.00	222	68	290	247	153	28	181	65	283	174	7	
20+20.00	20+50.00	0	79	79	67	0	51	51	16	65	37	14	
20+50.00	21+00.00	0	60	60	51	0	35	35	16	44	19	16	
21+00.00	21+50.00	0	23	23	20	0	7	7	13	16	0	7	
21+50.00	22+00.00	0	0	0	0	0	0	0	0	0	0	0	
TOTAL				900				527	238	824	460	76	565

SHRINKAGE FACTOR: 15%

\*NON-SPECIAL WASTE DISPOSAL QUANTITY BASED ON PSI REPORT. ALL SOILS BETWEEN STA 18+55 RT TO STA 20+05 RT SHALL BE DISPOSED OF AS DETAILED IN ARTICLE 669.05(a)(5) AND AS DETAILED IN THE REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (PROJECT SPECIFIC) SPECIAL PROVISION ALL OTHER SOILS MAY BE REUSED ON SITE AS DETAILED IN THE PSI REPORT

\*\*TOTAL EXCAVATION AND FILL QUANTITIES BETWEEN STA 19+80.00 AND 20+20.00 INCLUDE THE EARTHWORK QUANTITIES FOR THE BENCHING INVOLVED IN THE STAGED CONSTRUCTION OF THE CULVERT FOR DETAILS ON EXCAVATION LIMITS AND REQUIREMENTS, SEE SHEET 34

**COLUMN DESCRIPTIONS:**

- (1) - VOLUME TO BE CUT DURING STAGED CONSTRUCTION (QUANTITY CALCULATED FROM STRUCTURAL BENCHING DETAIL)
- (2) - VOLUME TO BE CUT IN FINAL CONDITION( QUANTITY TAKEN FROM CADD MODEL CALCULATIONS)
- (3) - TOTAL VOLUME TO BE CUT (COLUMN (1) PLUS COLUMN (2))
- (4) - VOLUME TO BE USED AS FILL AFTER EITHER ADJUSTING FOR 15% SHRINKAGE OR OMITTING DUE TO HAVING A(5) CONTAMINATED SOILS PER PSI REPORT
- (5) - VOLUME TO BE FILLED DURING STAGED CONSTRUCTION (QUANTITY CALCULATED FROM STRUCTURAL BENCHING DETAIL)
- (6) - VOLUME TO BE FILLED IN FINAL CONDITION( QUANTITY TAKEN FROM CADD MODEL CALCULATIONS)
- (7) - TOTAL VOLUME TO BE FILLED (COLUMN (5) PLUS COLUMN (6))
- (8) - NET CUT OR FILL IN SECTION (COLUMN (7) MINUS COLUMN (4))
- (9) - QUANTITY TO BE PAID FOR AS EARTH EXCAVATION (COLUMN (3) MINUS COLUMN (11))
- (10) - QUANTITY TO BE PAID FOR AS FURNISHED EXCAVATION (COLUMN (7) MINUS COLUMN (11))
- (11) - QUANTITY TO BE PAID FOR AS TOPSOIL EXCAVATION AND PLACEMENT (QUANTITY TAKEN FROM CADD MODEL CALCULATIONS)
- (12) - QUANTITY TO BE PAID FOR AS NON-SPECIAL WASTE DISPOSAL AS DETAILED IN THE PSI REPORT

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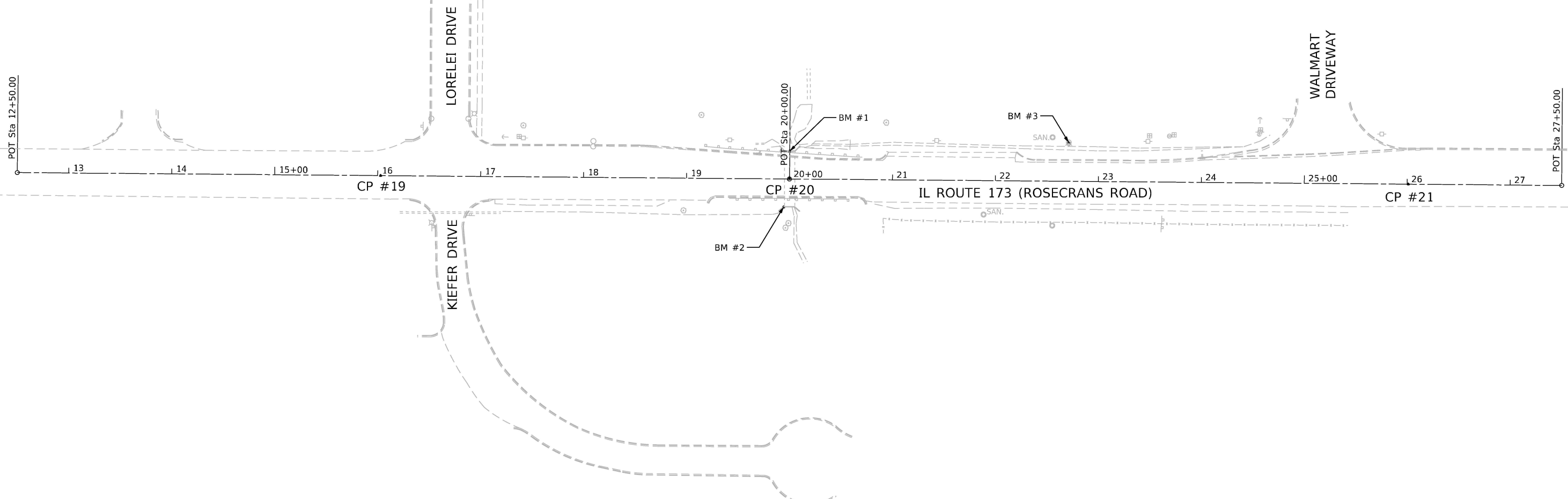
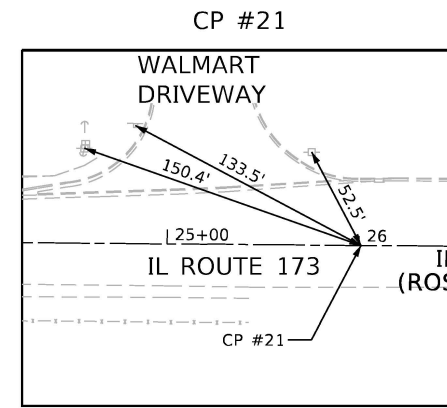
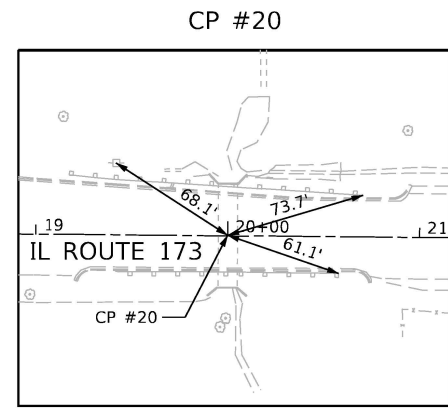
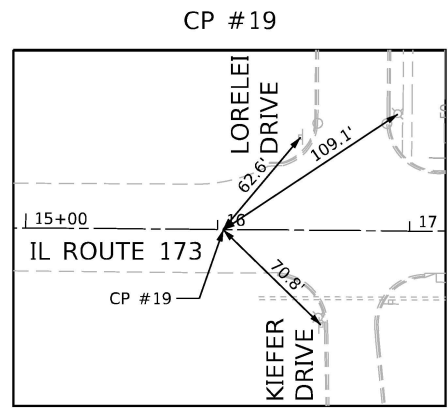
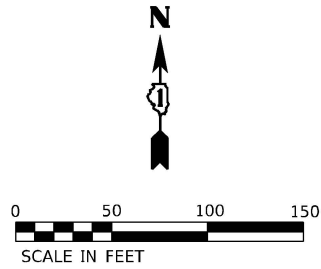
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 173  
SCHEDULE OF QUANTITIES**

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	10
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



ALIGNMENT COORDINATES  
IL ROUTE 173 (ROSECRANS ROAD)

POINT	STATION	NORTHING	EASTING
POT	12+50.00	2,112,244.37	1,108,179.20
POT	20+00.00	2,112,238.12	1,108,929.17
POT	27+50.00	2,112,231.86	1,109,679.15

CONTROL POINTS

NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION
CP #19	16+02.85	0.00'	2,112,241.43	1,108,532.04	703.73
CP #20	20+00.00	0.30' LT	2,112,318.42	1,108,929.17	701.59
CP #21	26+00.93	0.00'	2,112,383.32	1,109,530.09	705.43

**BM #1**  
CHISELED SQUARE IN CENTER OF  
10' HDW N. SIDE IL 173 ±330'  
E. OF LORELEI DR./KIEFER DR.  
ELEV. 701.05

**BM #2**  
CHISELED SQUARE IN 10' HDW  
S. SIDE IL 173 ±330' E. OF LORELEI DR./  
KIEFER DR. IN W. END OF HEADWALL  
ELEV. 700.89

**BM #3**  
"X" IN S.E. BOLT OF FIRE HYDRANT  
ON N. SIDE IL 173 ±600' E. OF  
LORELEI DR./KIEFER DR.  
ELEV. 703.59

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REVISOR - MRT  
DATE - 12/05/2025

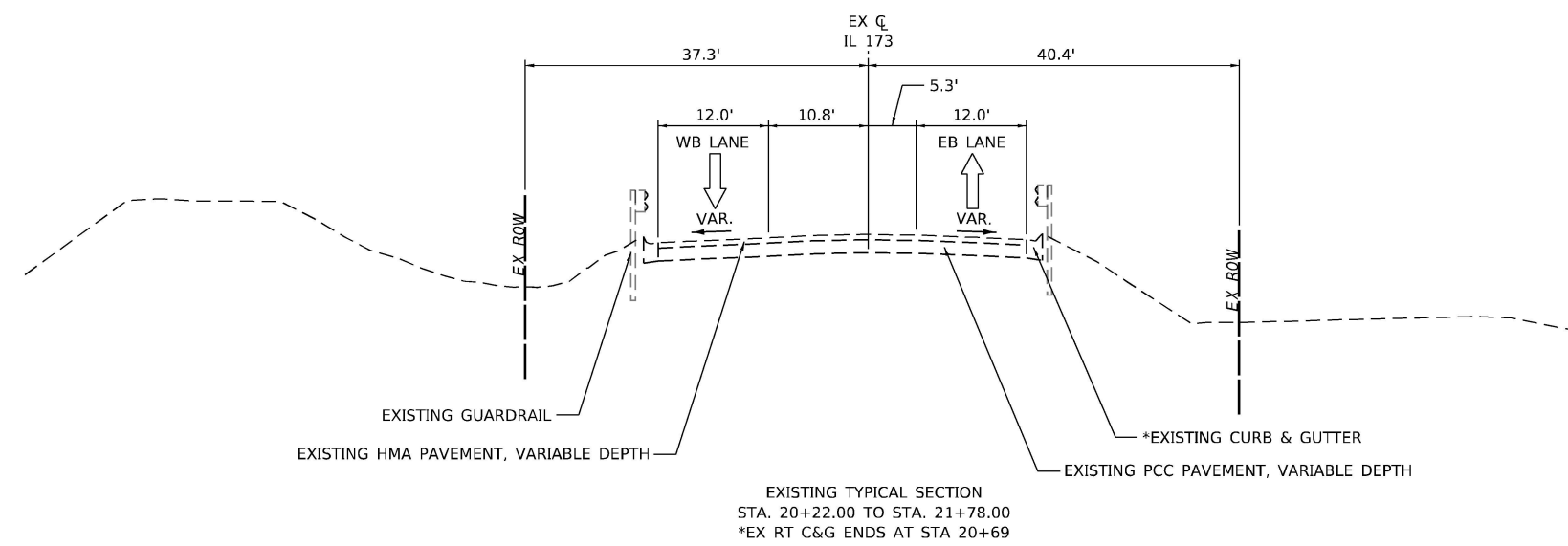
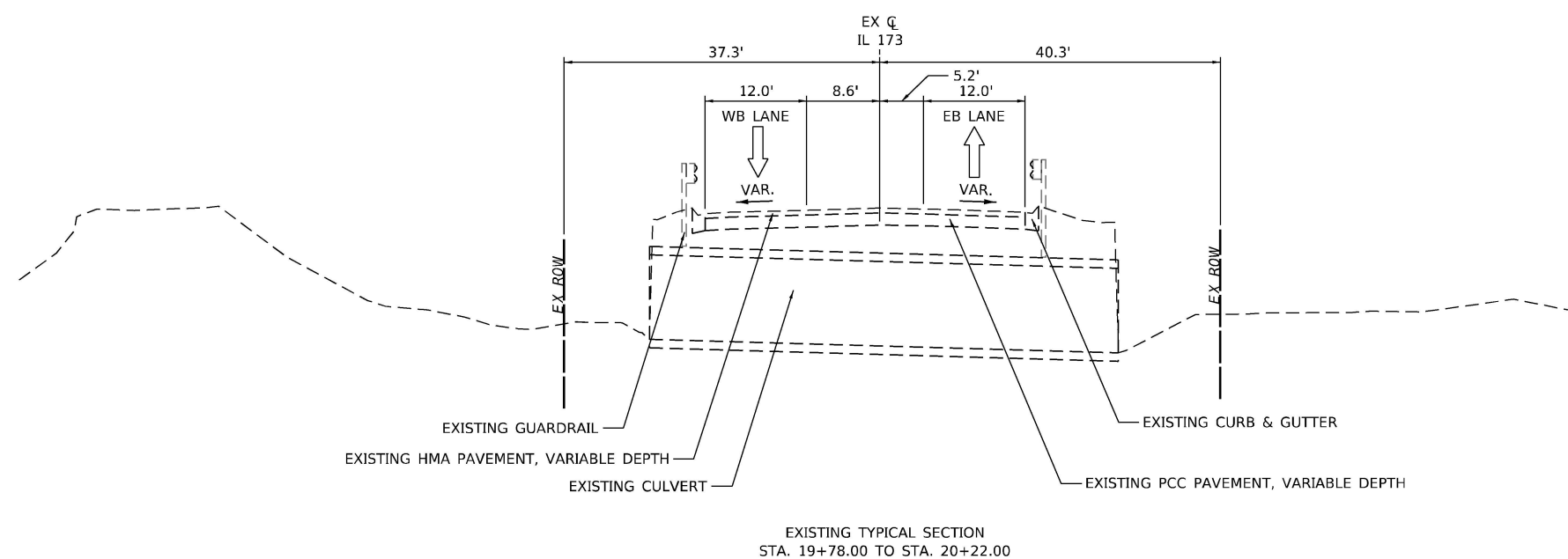
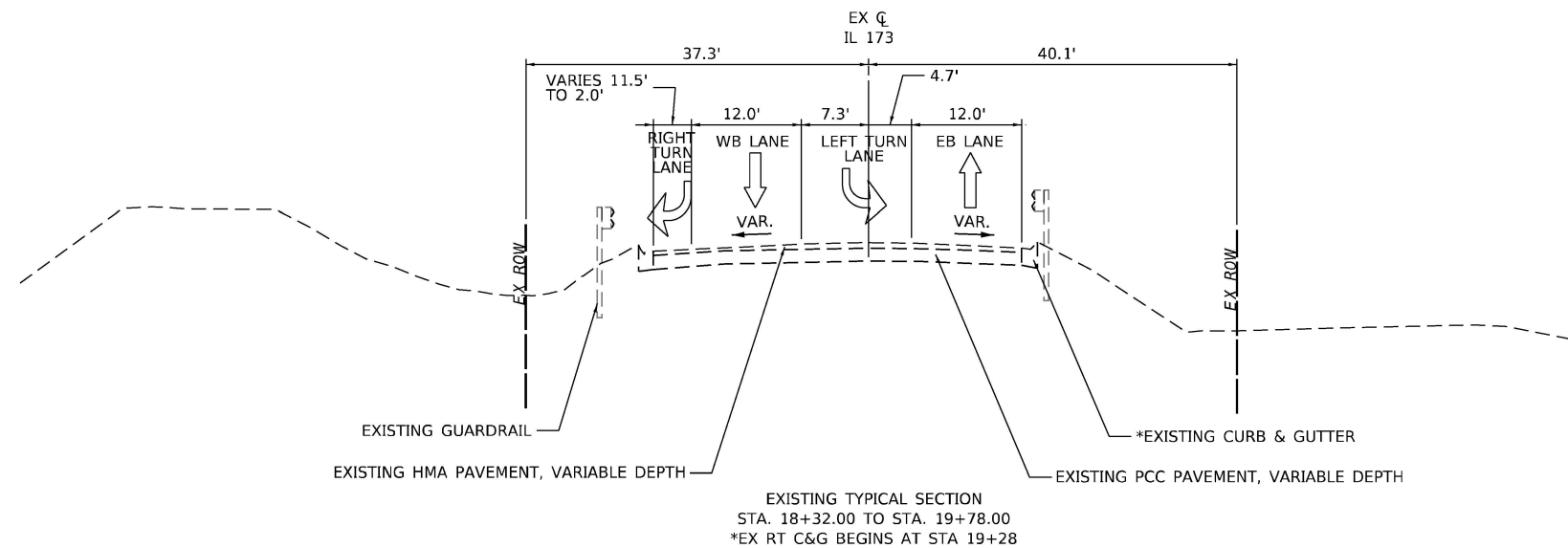
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 173  
ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 12+50.00 TO STA. 27+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	11
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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PLOT DATE = 12/4/2025	DATE - 12/05/2025	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 173  
 EXISTING TYPICAL SECTIONS**

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

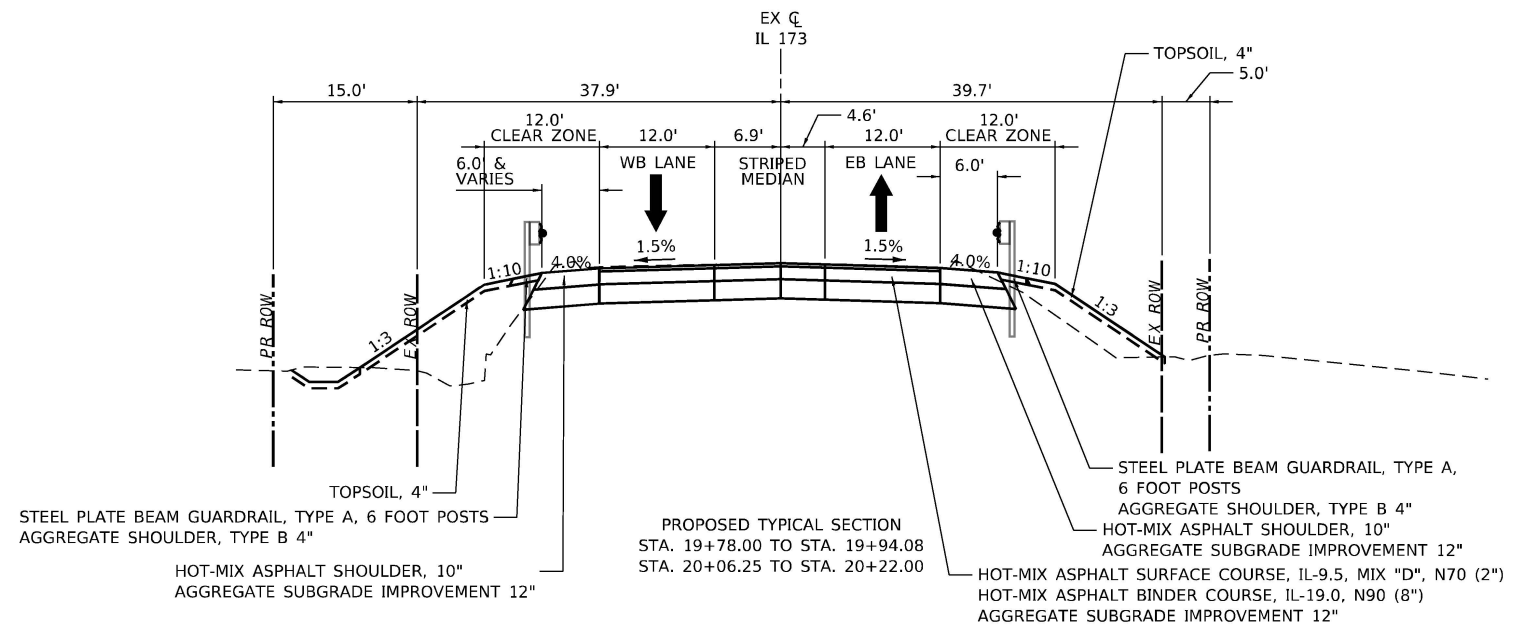
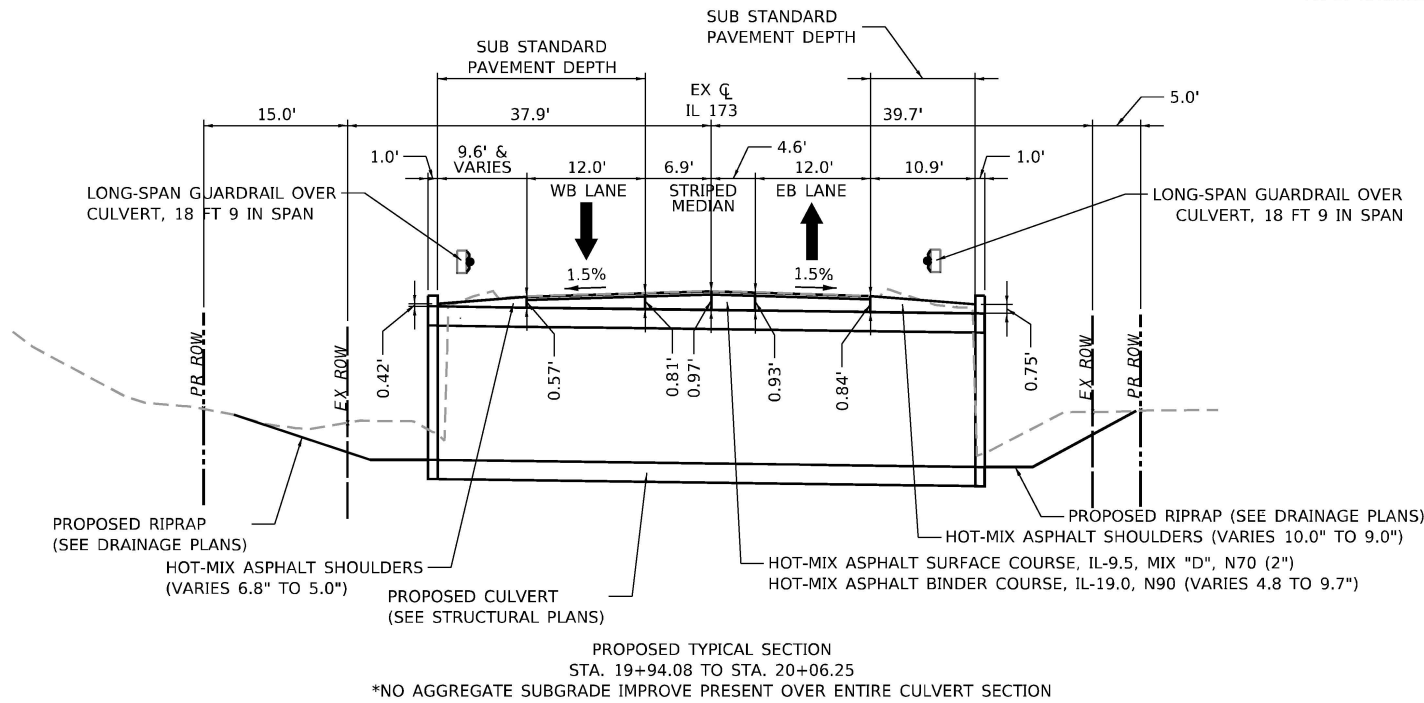
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303	FAP 0303 22 CR	LAKE	58	12
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T82	

### HMA SHOULDERS SCHEDULE

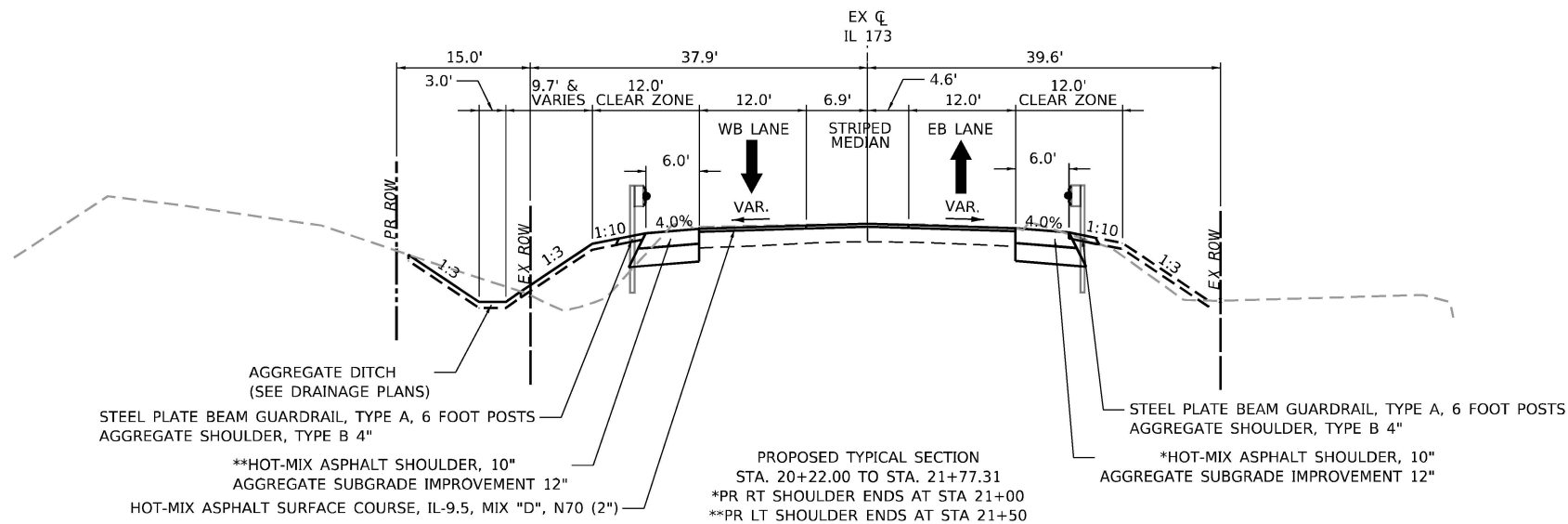
LOCATION			PAY ITEM		
FROM STATION	TO STATION	OFFSET	TON	MIN DEPTH (IN)	MAX DEPTH (IN)
19+94.08	20+06.25	LT	4	5.0	6.8
19+94.08	20+06.25	RT	8	9.0	10.0

STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS  
 AGGREGATE SHOULDER, TYPE B 4"  
 \*\*HOT-MIX ASPHALT SHOULDER, 10"  
 AGGREGATE SUBGRADE IMPROVEMENT 12"  
 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 (2")

PROPOSED TYPICAL SECTION  
 STA. 18+32.00 TO STA. 19+78.00  
 \*PR RT SHOULDER MATCH BEGINS AT STA 18+56  
 \*\*PR LT SHOULDER BEGINS AT STA 19+49



\*NO AGGREGATE SUBGRADE IMPROVE PRESENT OVER ENTIRE CULVERT SECTION



HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @NDES	QUALITY MANAGEMENT PROGRAM (QMP)
<b>PAVEMENT RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 (2")	4% @ 70 GYR.	QC/QA
<b>PAVEMENT RECONSTRUCTION</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 (2")	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, 19.0, N90 (VARIES 4.8" TO 9.7")	4% @ 90 GYR.	QC/QA
<b>HMA SHOULDER, 10"</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 (2")	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (8")	4% @ 90 GYR.	QC/QA
<b>HMA SHOULDERS</b>		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 (2")	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (VARIES 3.0" TO 8.0")	4% @ 90 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PPF)		

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

NOTE 3: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE HMA SURFACE COURSE IL-9.5, MIX "D", N70

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

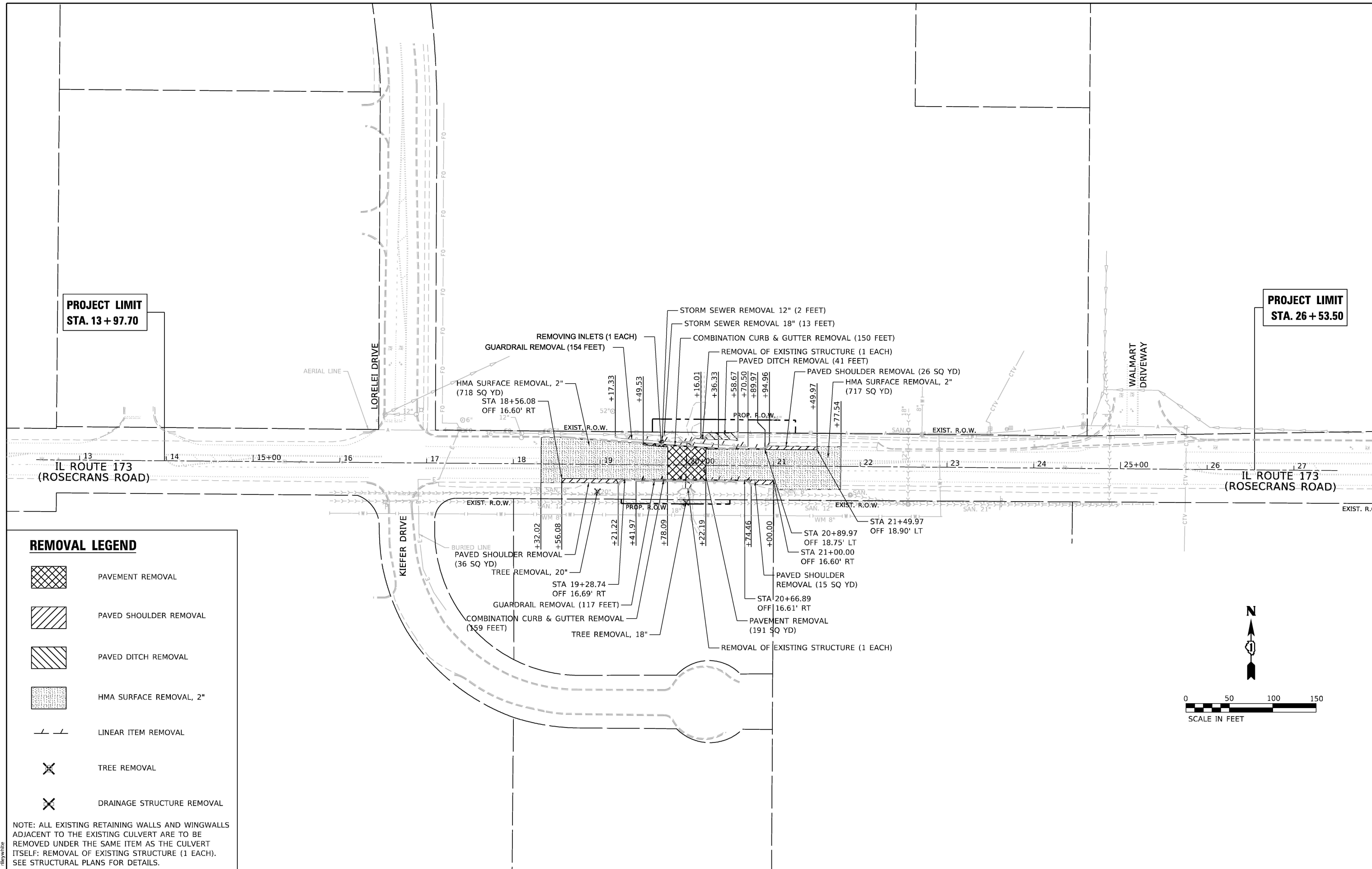
ILLINOIS ROUTE 173  
 PROPOSED TYPICAL SECTIONS

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.



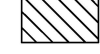
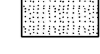


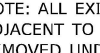
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	13
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**PROJECT LIMIT  
STA. 13 + 97.70**

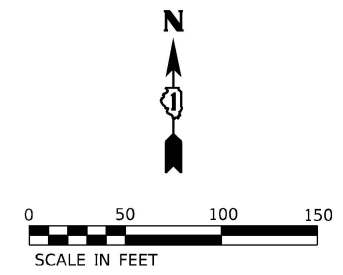
**PROJECT LIMIT  
STA. 26 + 53.50**



**REMOVAL LEGEND**

-  PAVEMENT REMOVAL
-  PAVED SHOULDER REMOVAL
-  PAVED DITCH REMOVAL
-  HMA SURFACE REMOVAL, 2"
-  LINEAR ITEM REMOVAL
-  TREE REMOVAL
-  DRAINAGE STRUCTURE REMOVAL

NOTE: ALL EXISTING RETAINING WALLS AND WINGWALLS ADJACENT TO THE EXISTING CULVERT ARE TO BE REMOVED UNDER THE SAME ITEM AS THE CULVERT ITSELF: REMOVAL OF EXISTING STRUCTURE (1 EACH). SEE STRUCTURAL PLANS FOR DETAILS.

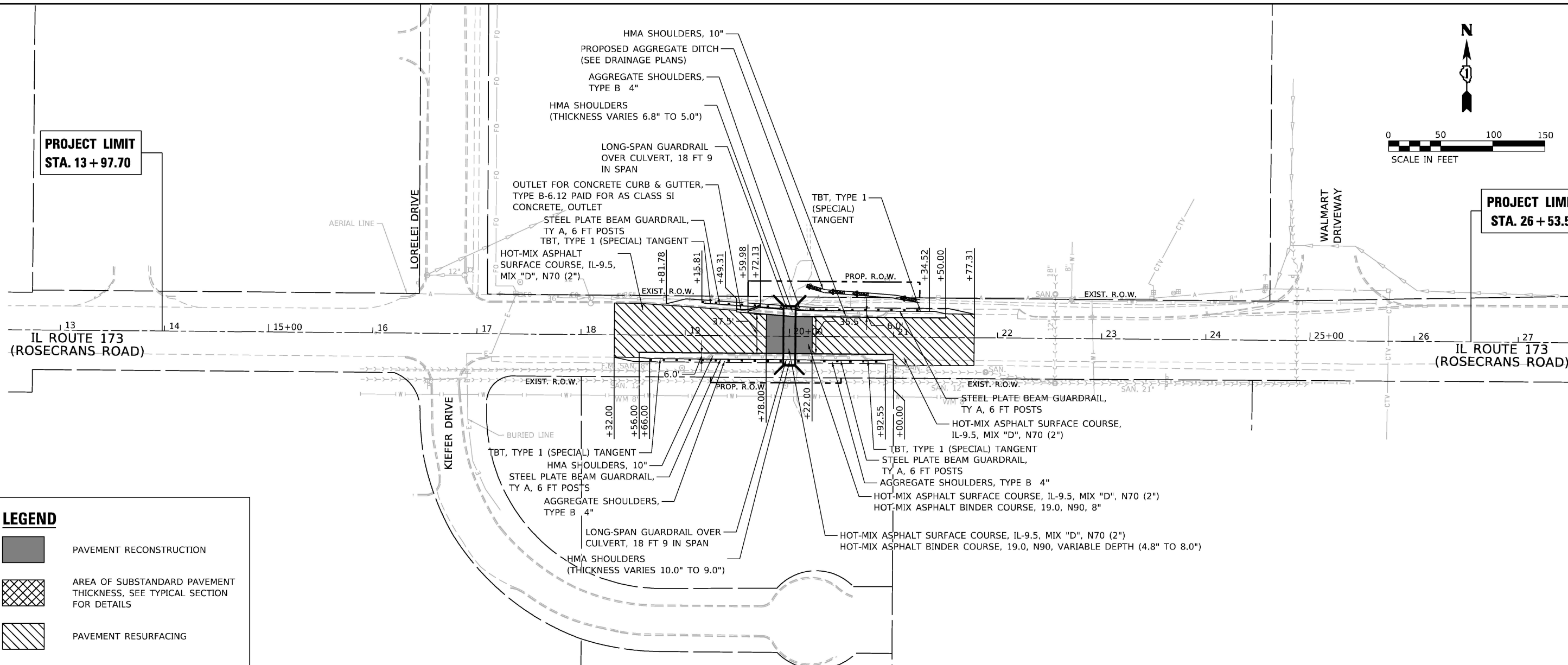
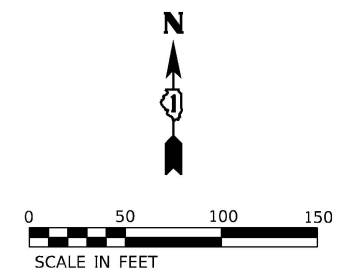


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	PLOT DATE = 12/4/2025	DATE - 12/05/2025	REVISED -							

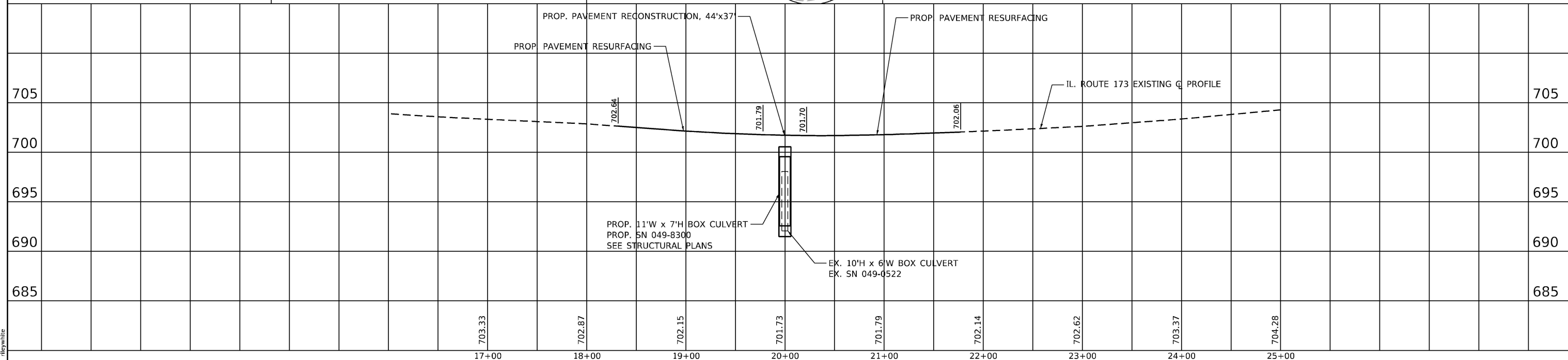
**PROJECT LIMIT**  
STA. 13 + 97.70

**PROJECT LIMIT**  
STA. 26 + 53.50



**LEGEND**

- PAVEMENT RECONSTRUCTION
- AREA OF SUBSTANDARD PAVEMENT THICKNESS. SEE TYPICAL SECTION FOR DETAILS
- PAVEMENT RESURFACING



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 173  
ROADWAY PLAN AND PROFILE**

SCALE: 1"=50'    SHEET NO. 1 OF 1 SHEETS    STA. 12+50 TO STA. 27+50

F.A.P. RTE. 303	SECTION FAP 0303 22 CR	COUNTY LAKE	TOTAL SHEETS 58	SHEET NO. 15
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

## MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE TRAFFIC CONTROL MEASURES DEPICTED IN THE PLANS ARE THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES, AS SPECIFIED IN THE HIGHWAY AND DISTRICT STANDARDS, AS SHOWN IN THE INDEX OF SHEETS, AND SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL), UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS, OR SPECIAL PROVISIONS.
2. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
3. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER.
4. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, KALPANA KANNAN-HOSADURGA, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
5. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL GENERAL NOTES, PLANS, SPECIAL PROVISIONS, APPLICABLE HIGHWAY & DISTRICT STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER 72 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.
6. IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, LANDSCAPING, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED. IF THEY WERE REMOVED, DAMAGED, OR OTHERWISE AFFECTED BY CONSTRUCTION ACTIVITIES, THE COST TO REPAIR ANY DAMAGES WILL BE BORNE BY THE CONTRACTOR AND NOT THE RESPONSIBILITY OF THE DEPARTMENT.
7. ALL EXISTING LANE LINE PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS LOCATED WITHIN TEMPORARY LANE CLOSURE TAPERS, LANE SHIFT TAPERS, OR IN LOCATIONS THAT CONFLICT WITH THE TEMPORARY PAVEMENT MARKING TAPE USED FOR STAGING SHALL BE REMOVED VIA WATER BLASTING WITH VACUUM RECOVERY IF THE STAGING WILL REMAIN IN PLACE FOR MORE THAN 14 DAYS. THE EXISTING PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS THAT WERE REMOVED SHALL BE RESTORED IN KIND AFTER THE COMPLETION OF THE STAGING.
8. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
9. TEMPORARY INFORMATION SIGNS ON TEMPORARY SUPPORTS SHALL BE PROVIDED FOR ALL COMMERCIAL DRIVEWAYS THAT ARE LOCATED WITHIN THE WORK AREA. THIS WORK SHALL BE PAID FOR PER DISTRICT 1 DETAIL TC-26. THESE SIGNS SHALL BE RELOCATED AS REQUIRED FOR EACH CONSTRUCTION STAGE AND SHALL BE PLACED AS DIRECTED BY THE ENGINEER. THIS SIGN RELOCATION WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.
10. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGN MESSAGES SHALL BE REVISED TWO WEEKS THEREAFTER WITH MESSAGES WARNING MOTORISTS OF POTENTIAL TRAFFIC DELAYS, QUEUING, AND/OR WITH MESSAGES NOTIFYING TRAFFIC TO USE ALTERNATE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER. THE CHANGEABLE MESSAGE SIGNS ARE TO REMAIN IN PLACE FOR THE DURATION OF ALL MOT STAGES. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR DAY "CHANGEABLE MESSAGE SIGN".
11. TEMPORARY CONCRETE BARRIER SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 704 OF THE IDOT STANDARD SPECIFICATIONS. ALL TEMPORARY CONCRETE BARRIER APPROACH AND DEPARTING END UNITS WITH THREE ANCHOR PINS ON THE TRAFFIC SIDE HOLES WITHIN THE INSTALLATION SHALL BE REQUIRED WHEN EQUIPMENT, VEHICLES, MATERIALS, FIXED OBJECTS, OR A DROP-OFF IS LOCATED WITHIN 24" BEHIND THE BARRIER. THE 24" OF CLEAR PAVEMENT MEASUREMENT SHALL BE FROM THE BASE OF THE NON-TRAFFIC SIDE OF THE BARRIER. TRAFFIC SIDE PINNED BARRIER SHALL HAVE A MINIMUM OF 6" OF CLEAR PAVEMENT BEHIND THE BARRIER. WHERE BOTH PINNED AND UNPINNED BARRIER UNITS ARE USED IN A CONTINUOUS INSTALLATION, A TRANSITION SHALL BE PROVIDED BETWEEN THEM. THE TRANSITION FROM PINNED TO UNPINNED BARRIER SHALL CONSIST OF TWO ANCHOR PINS INSTALLED IN THE END HOLES ON THE TRAFFIC SIDE OF THE FIRST BARRIER BEYOND THE PINNED SECTION AND ONE ANCHOR PIN INSTALLED IN THE MIDDLE HOLE OF THE TRAFFIC SIDE OF THE SECOND BARRIER BEYOND THE PINNED SECTION. THE THIRD BARRIER BEYOND THE PINNED SECTION SHALL THEN BE UNPINNED.
12. WHEN WORKING ADJACENT TO THE ROAD UTILIZING DAILY LANE CLOSURES, DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12" WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE. THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE EXCAVATION REQUIRED FOR THE CONSTRUCTION DURING THE TIME THAT THE ADJACENT LANE IS CLOSED. AS NOTED ABOVE, PRIOR TO REOPENING THE LANE TO TRAFFIC THE CONTRACTOR SHALL PLACE SUFFICIENT MATERIAL TO REDUCE THE DROP-OFF TO LESS THAN 12". THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE AMOUNT OF WORK THAT CAN BE COMPLETED WITHIN THE TIME OF THE DAILY LANE CLOSURE. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT. WHERE POSITIVE PROTECTION (TEMPORARY CONCRETE BARRIER PER STD. 704001) IS PROVIDED, THIS REQUIREMENT IS NULLIFIED.
13. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE DURING ALL PHASES OF CONSTRUCTION.

## CONSTRUCTION SEQUENCING NOTES

### PRE-STAGE

CONSTRUCTION:  
INSTALL TEMPORARY TRAFFIC SIGNALS AND LIGHTING AS SHOWN IN THE PLANS.

### STAGE 1

CONSTRUCTION:  
REMOVE EXISTING STRUCTURE AND PLACE NEW CULVERT ALONG EASTBOUND PORTION OF IL 173. COMPLETE PAVEMENT RECONSTRUCTION OVER CULVERT.

### TRAFFIC:

SET UP EASTBOUND LANE CLOSURE FOLLOWING THE MAINTENANCE OF TRAFFIC - STAGE 1 PLAN AND IDOT D1 STANDARD BE-805: TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING. PROVIDE 1 - 12' WIDE LANE AND INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS PER TYPICAL SECTIONS AND PLANS.

### STAGE 2

CONSTRUCTION:  
REMOVE EXISTING STRUCTURE AND PLACE NEW CULVERT ALONG WESTBOUND PORTION OF IL 173. COMPLETE PAVEMENT RECONSTRUCTION OVER CULVERT.

### TRAFFIC:

SET UP WESTBOUND LANE CLOSURE FOLLOWING THE MAINTENANCE OF TRAFFIC - STAGE 2 PLAN AND IDOT D1 STANDARD BE-805: TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING. PROVIDE 1 - 12' WIDE LANE AND INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS PER TYPICAL SECTIONS AND PLANS.

### STAGE 3

CONSTRUCTION:  
COMPLETE PAVEMENT RESURFACING ALONG IL 173. FINALIZE AND COMPLETE ALL PERMANENT PAVEMENT MARKINGS AND FINAL LANDSCAPING.

### TRAFFIC:

ALL LANES WILL BE OPENED AND TRAFFIC PATTERN WILL MATCH FINAL CONDITIONS. UTILIZE IDOT STANDARDS 701301, 701311, 701501, AND 701502 AS NECESSARY TO COMPLETE THE REMAINING WORK.



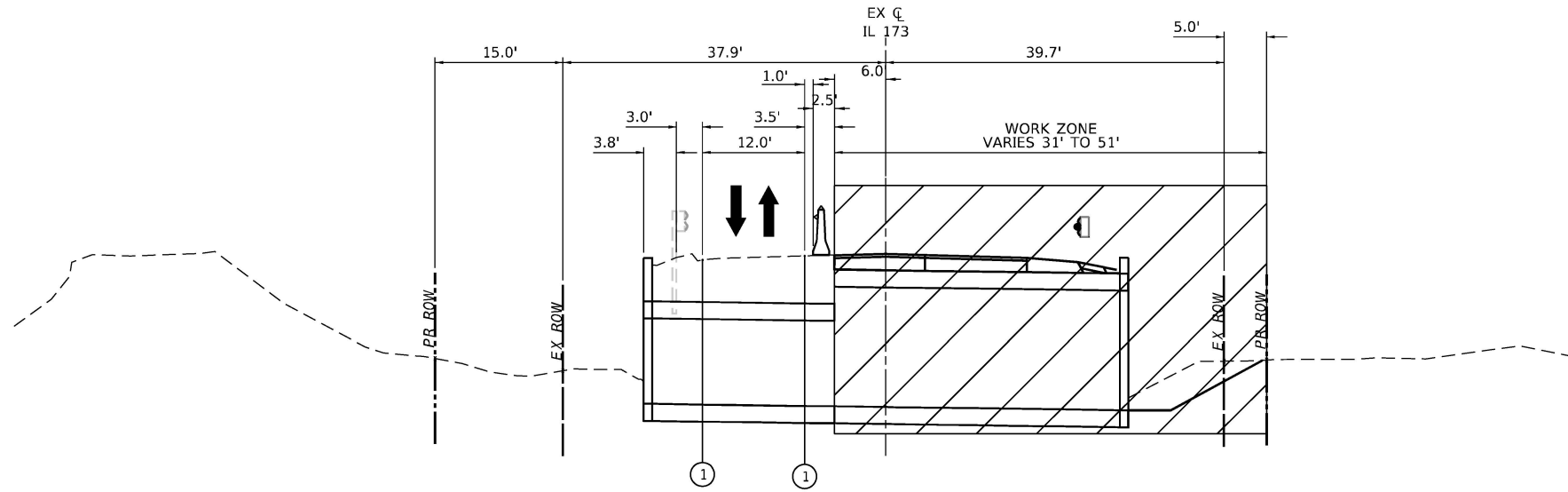
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 173  
MAINTENANCE OF TRAFFIC GENERAL NOTES

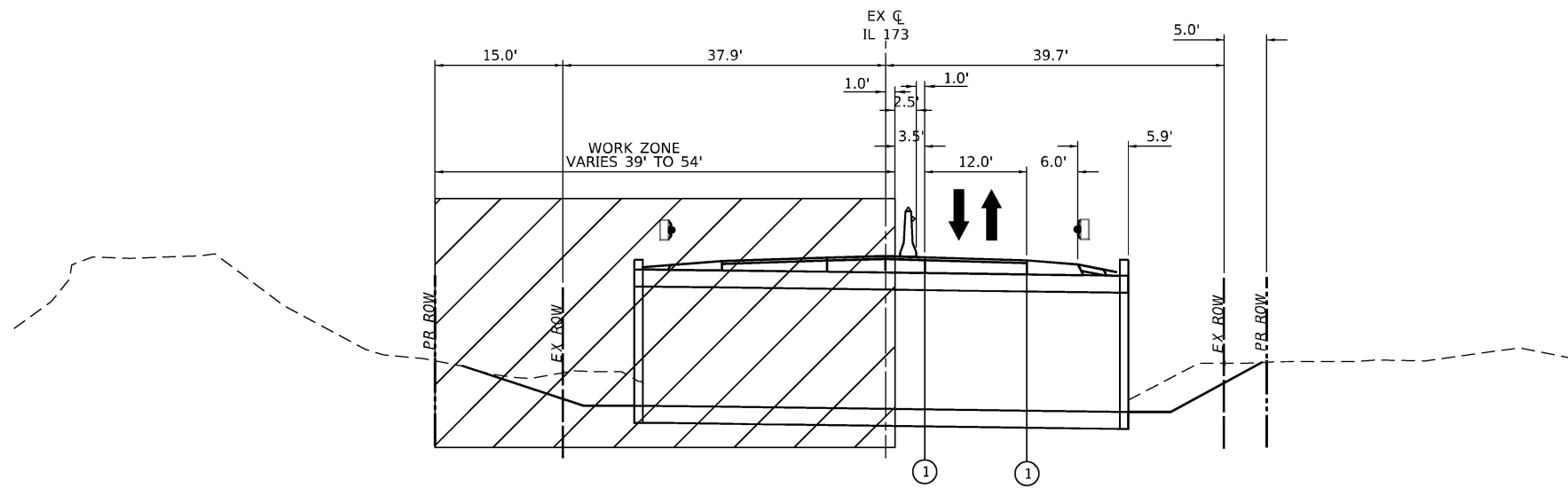
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	16
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**IL 173 – STAGE 1 (LOOKING EAST)**






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**IL 173 – STAGE 2 (LOOKING EAST)**

STA. 19+94.00 TO STA. 20+06.25

**MOT LEGEND**

-  WORK AREA
-  DIRECTION OF TRAFFIC
-  TEMPORARY CONCRETE BARRIER PER STANDARD 704001 WITH DOUBLE SIDED TYPE C CRYSTAL REFLECTORS PER STANDARD 782006
-  PROPOSED LONG-SPAN GUARDRAIL WITH DOUBLE SIDED CRYSTAL TYPE A GUARDAIL REFLECTOR PER STANDARD 782006
-  TEMPORARY 4" SOLID WHITE LINE TYPE IV TAPE

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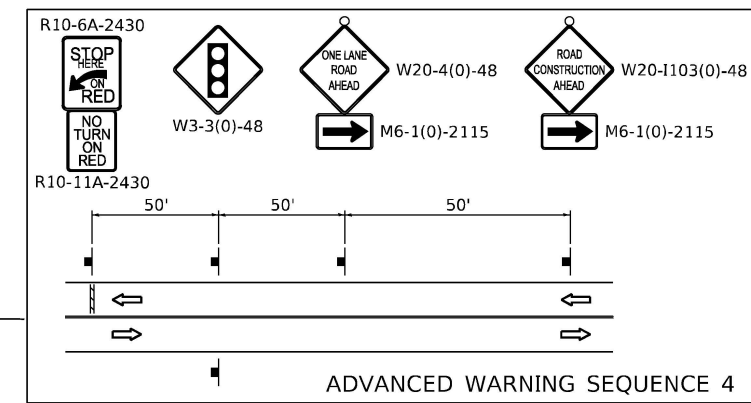
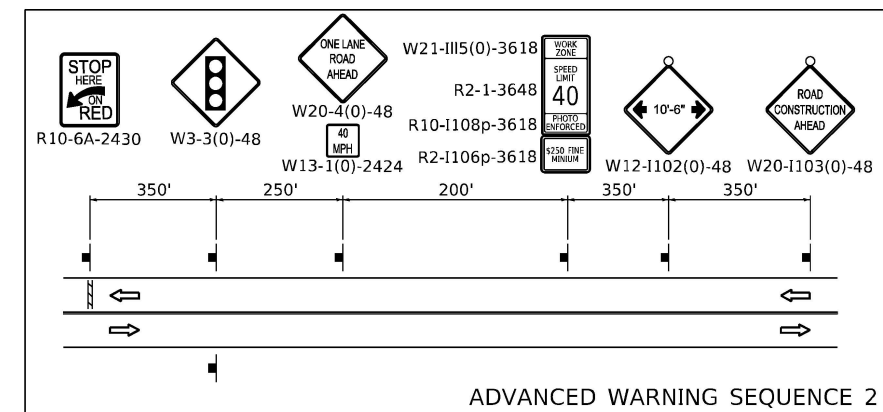
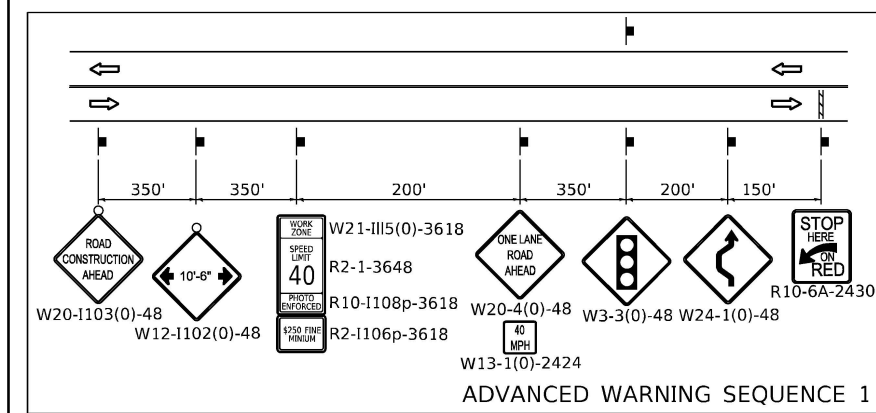
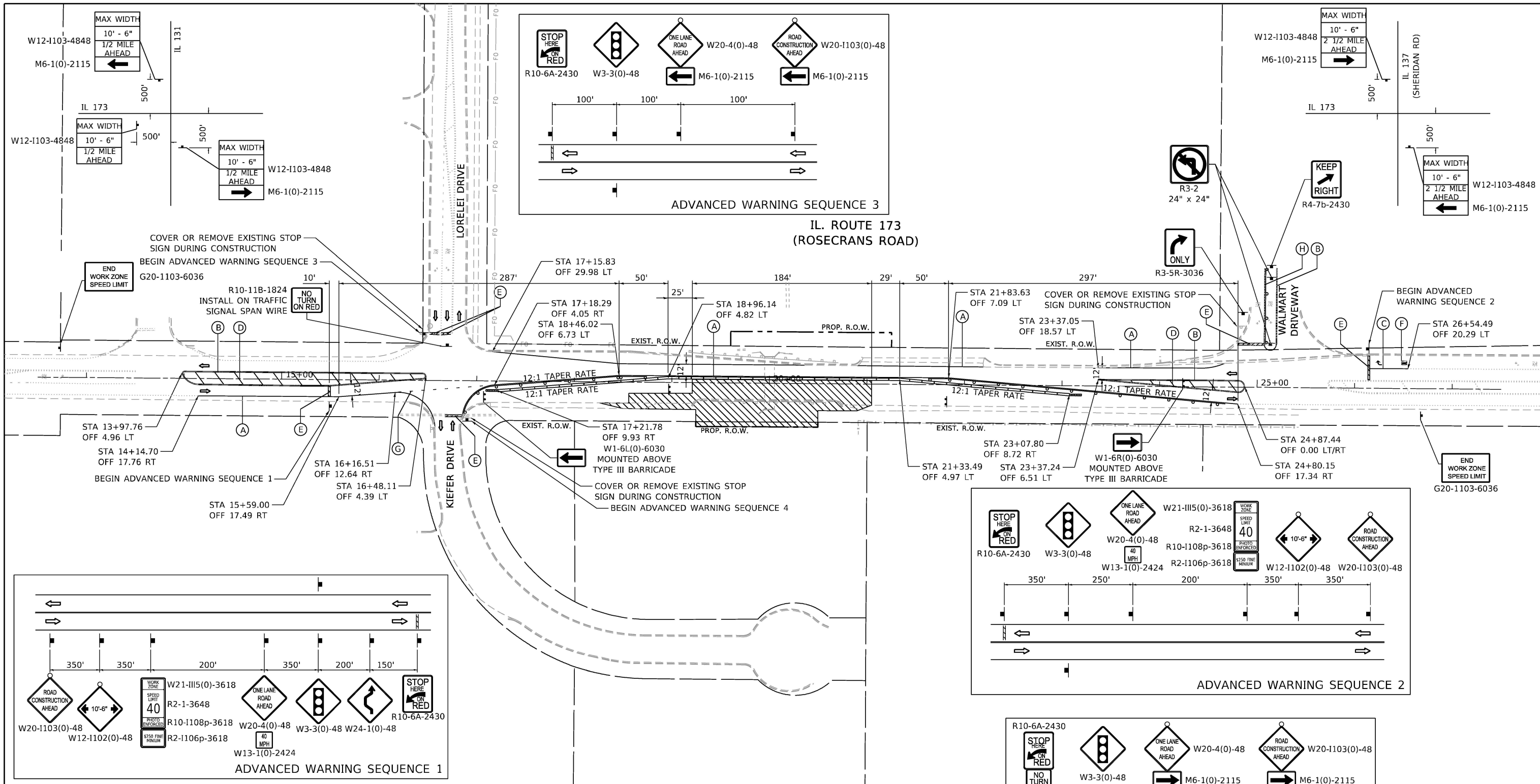
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	DATE - 12/05/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 173  
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS**

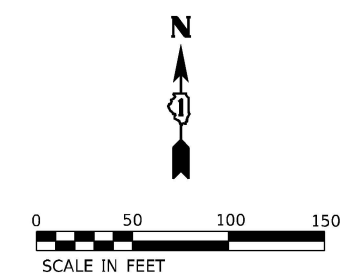
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T82	

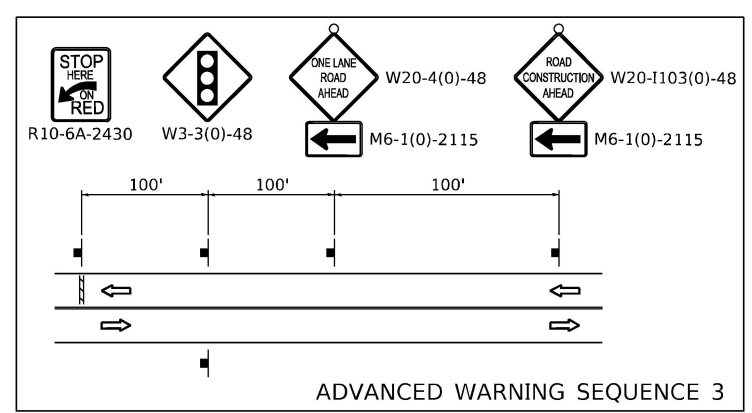


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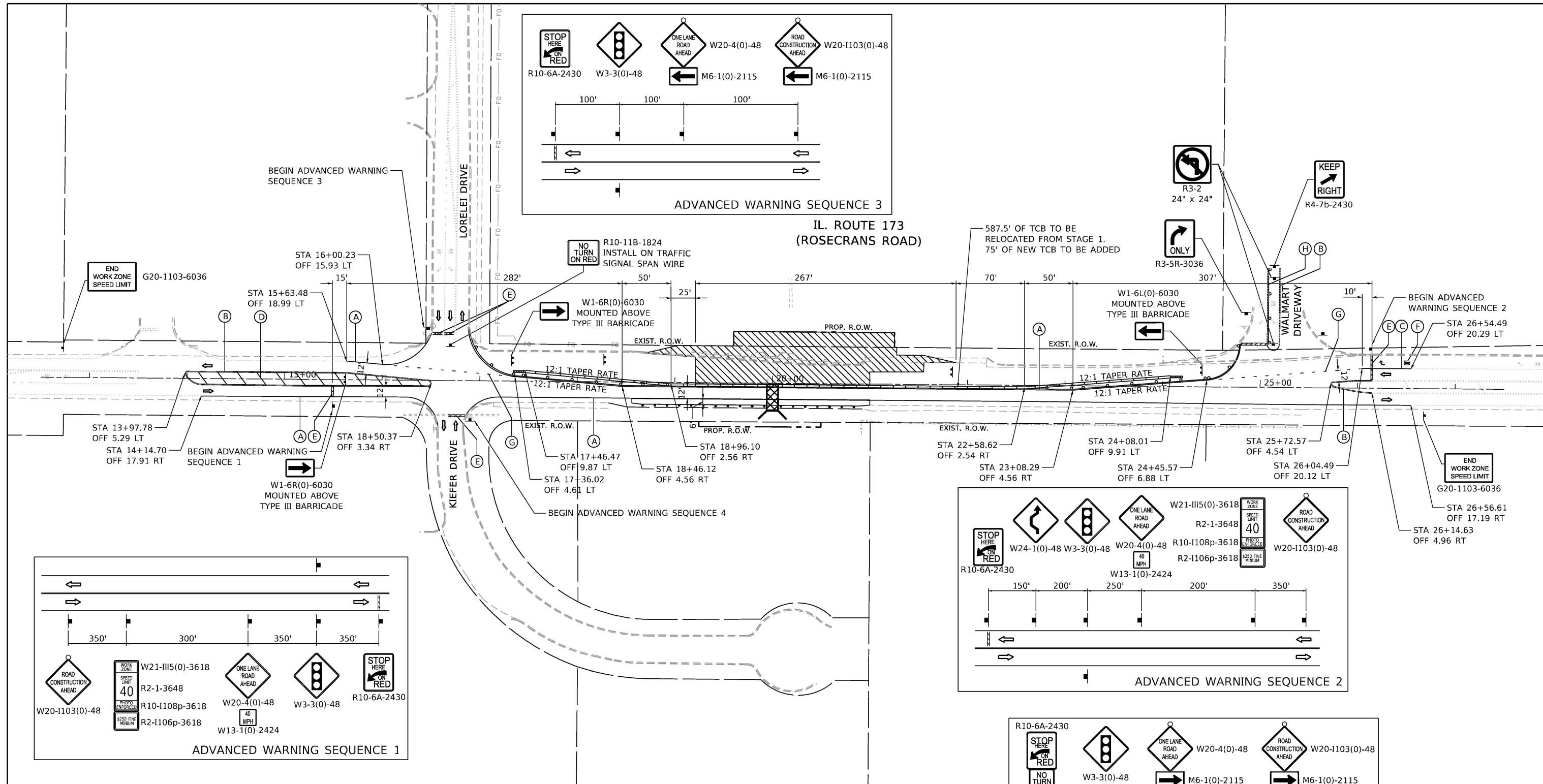
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	SIGN	(B)	TEMPORARY PAVEMENT MARKING - CENTERLINE 4" - TYPE IV (DOUBLE YELLOW)
	TYPE III BARRICADE WITH FLASHING LIGHTS	(C)	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV (WHITE, SOLID)
	IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	(D)	TEMPORARY PAVEMENT MARKING - LINE 12" - TYPE IV (YELLOW, SOLID @ 45 DEG.)
	CONSTRUCTION DRUMS WITH STEADY BIDIRECTIONAL LIGHT (25' C-C UNLESS OTHERWISE NOTED)	(E)	TEMPORARY PAVEMENT MARKING - STOP BAR 24" - TYPE IV (WHITE)
	TEMPORARY CONCRETE BARRIER (NOT TO BE PINNED WITHIN BRIDGE LIMITS)	(F)	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE
	TEMPORARY 4" WHITE DOTTED LINE (2' DASH - 6' SKIP) TYPE IV TAPE	(G)	TEMPORARY 4" WHITE DOTTED LINE (2' DASH - 6' SKIP) TYPE IV TAPE
	DIRECTION OF TRAFFIC	(H)	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV (YELLOW, SOLID)



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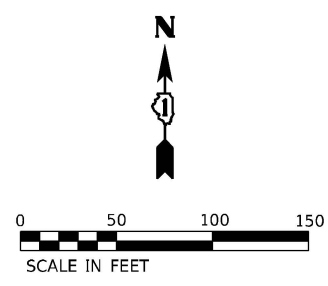


**IL. ROUTE 173  
(ROSECRANS ROAD)**



**MOT LEGEND**

- WORK AREA
- SIGN
- TYPE III BARRICADE WITH FLASHING LIGHTS
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
- CONSTRUCTION DRUMS WITH STEADY BIDIRECTIONAL LIGHT (25' C-C UNLESS OTHERWISE NOTED)
- TEMPORARY CONCRETE BARRIER (NOT TO BE PINNED WITHIN BRIDGE LIMITS)
- DIRECTION OF TRAFFIC
- (A) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV (WHITE, SOLID)
- (B) TEMPORARY PAVEMENT MARKING - CENTERLINE 4" - TYPE IV (DOUBLE YELLOW)
- (C) TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV (WHITE, SOLID)
- (D) TEMPORARY PAVEMENT MARKING - LINE 12" - TYPE IV (YELLOW, SOLID @ 45 DEG.)
- (E) TEMPORARY PAVEMENT MARKING - STOP BAR 24" - TYPE IV (WHITE)
- (F) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE
- (G) TEMPORARY 4" WHITE DOTTED LINE (2' DASH - 6' SKIP) TYPE IV TAPE
- (H) TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV (YELLOW, SOLID)



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

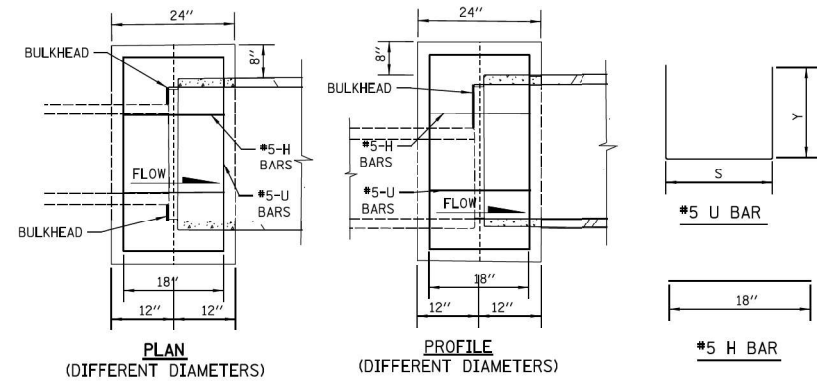
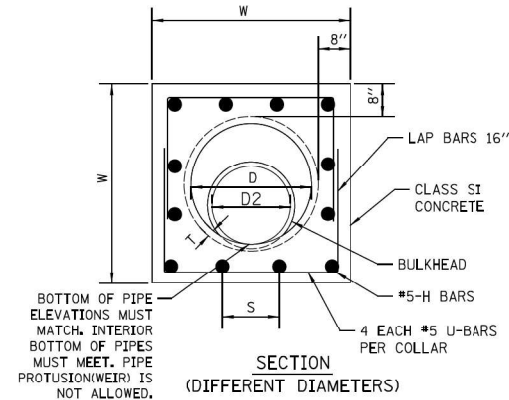
**ILLINOIS ROUTE 173  
MAINTENANCE OF TRAFFIC - STAGE 2**

SCALE: 1"=50' SHEET NO. 4 OF 4 SHEETS STA. 12+50.00 TO STA. 27+50.00

F.A.P. RTE. 303	SECTION FAP 0303 22 CR	COUNTY LAKE	TOTAL SHEETS 58	SHEET NO. 19
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

# EROSION CONTROL NOTES AND DRAINAGE DETAIL

- SOIL EROSION AND SEDIMENT CONTROL (SESC) FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
- ALL CONTROL MEASURES NECESSARY MUST MEET THE MINIMUM REQUIREMENTS AS DESCRIBED IN THE LATEST EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ADDITIONAL DETAILS AND BMPs ARE ALSO AVAILABLE AND CAN BE UTILIZED AS SHOWN IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES MAINTENANCE GUIDE: (HTTPS://IDOT.ILLINOIS.GOV/CONTENT/DAM/ISOI/EN/WEB/IDOT/DOCUMENTS/TRANSPORTATION-SYSTEM/MANUALS-GUIDES-AND-HANDBOOKS/HIGHWAYS/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL-FIELD-GUIDE-FOR-CONSTRUCTION-INSPECTION.PDF)
- EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. EROSION AND SEDIMENT CONTROLS SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY. THEREFORE, DEVIATIONS FROM THIS PLAN ARE EXPECTED AND ADDITIONAL MEASURES MAY BE REQUIRED. ALL ADDITIONAL MEASURES MUST BE IN PLACE WITHIN 3 DAYS OF DISTURBANCE AND ANY EMERGENCY SESC MEASURES MUST BE INSTALLED IMMEDIATELY.
- THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREAS AS THE PROJECT PROGRESSES, AND INSTALL TEMPORARY OR PERMANENT EROSION PROTECTION TO CONTROL SOIL EROSION, OR INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE TRACK-OUT MATERIAL.
- DURING DEWATERING OPERATIONS, ONLY UNCONTAMINATED WATER SHOULD BE ALLOWED TO DISCHARGE TO PROTECTED NATURAL AREAS, WATERS OF THE STATE, OR TO A STORM SEWER SYSTEM (IN ACCORDANCE WITH LOCAL PERMITS). INLET HOSES SHOULD BE FLOATED AT THE SURFACE OF THE WATER IN ORDER TO LIMIT THE AMOUNT OF SEDIMENT INTAKE. ADEQUATE EROSION AND SEDIMENT CONTROLS SHOULD BE USED DURING DEWATERING OPERATIONS AS NECESSARY. DEWATERING SEDIMENT LADEN WATER DIRECTLY INTO FIELD TILES, STORM WATER STRUCTURES, OR "WATERS OF THE US" IS PROHIBITED.
- CONSTRUCTION ACTIVITIES MUST BE SCHEDULED TO MINIMIZE THE TIME SOIL IS EXPOSED AND UNPROTECTED. IN NO CASE WILL THE EXISTING VEGETATION BE DESTROYED, REMOVED, OR DISTURBED MORE THAN FOURTEEN (14) DAYS PRIOR TO THE INITIATION OF IMPROVEMENTS.
- ALL DISTURBED SOILS ARE TO BE STABILIZED IMMEDIATELY, TEMPORARILY OR PERMANENTLY, IF THE SOIL IS TO REMAIN UNDISTURBED FOR MORE THAN FOURTEEN (14) DAYS.
- THE CONTRACTOR SHALL BE REQUIRED TO INSTALL AND MAINTAIN PERIMETER EROSION BARRIER AS INDICATED IN THE PLAN PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COST WILL BE PAID TO THE CONTRACT FOR CHANGED CONSTRUCTION LIMITS.
- ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE REPAIR.
- THE CONTRACTOR SHALL CHECK ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL 1/2 INCH OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOW MELT.
- THE CONTRACTOR SHALL PROVIDE THE RESIDENT ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
- UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEED AT ONE TIME.
- "WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY.



- NOTES:
- IF DIFFERENT PIPE SIZES ARE BEING CONNECTED, STEEL REINFORCEMENT BARS SHALL BE SUPPLIED AS GIVEN IN TABLE BELOW FOR THE LARGER DIAMETER PIPE.
  - CONTRACTOR SHALL PROVIDE BULKHEAD TO KEEP CONCRETE FROM SPILLING INTO LARGER PIPE. BULKHEAD MUST BE REMOVED, OR LEFT IN PLACE, ONLY AS APPROVED BY THE ENGINEER.

## REINFORCED CONCRETE COLLAR CONNECTION DETAIL

D	T	W	U BAR				H BAR				CLASS SI	#5 EPOXY REBAR
			X	Y	QTY	LENGTH	S	QTY	LENGTH	CONCRETE		
PIPE DIA.	PIPE THICKNESS	WIDTH	(IN)	(IN)	(EACH)	(FT)	(IN)	(EACH)	(FT)	(CU YD)	(LBS)	
24	3.00	46.0	40.00	28.00	4	32.0	9 5/8	16.0	24.0	0.72	58.4	
27	3.25	49.5	43.50	29.75	4	34.3	10 1/2	16.0	24.0	0.81	60.8	
30	3.50	53.0	47.00	31.50	4	36.7	11 3/8	16.0	24.0	0.89	63.3	
33	3.75	56.5	50.50	33.25	4	39.0	9 4/5	20.0	30.0	0.98	72.0	
36	4.00	60.0	54.00	35.00	4	41.3	10 1/2	20.0	30.0	1.07	74.4	
42	4.50	67.0	61.00	38.50	4	46.0	9 7/8	24.0	36.0	1.26	85.5	
48	5.00	74.0	68.00	42.00	4	50.7	11 1/8	24.0	36.0	1.46	90.4	
54	5.30	86.0	80.00	48.00	4	58.7	11 1/8	28.0	42.0	1.82	105.0	
60	6.00	92.0	85.00	51.00	4	62.7	10 1/2	32.0	48.0	2.02	115.5	

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**GSG CONSULTANTS, INC.**  
735 E. REMINGTON RD. SCHLAUBURG, IL 60173  
TEL: +1630.994.2600 | WWW.GSG-CONSULTANTS.COM

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








**ILLINOIS ROUTE 173**  
**EROSION CONTROL NOTES AND DRAINAGE DETAIL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	20
CONTRACT NO. 62T82				
SCALE: N/A SHEET NO. 01 OF 03 SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**FLOW RATE**  
2-YEAR FLOW RATE = 62 CU FT/S

**NOTE:**  
IN-STREAM WORK PLAN, TEMPORARY DRAINAGE, AND ANY DEWATERING NECESSARY TO COMPLETE THE EXCAVATION, CONSTRUCTION, AND INSTALLATION OF THE CULVERT SHALL BE DETERMINED BY CONTRACTOR AND MEET WITH THE APPROVAL OF THE ENGINEER AND AUTHORITIES HAVING JURISDICTION

- EROSION CONTROL LEGEND:**
-  INLET FILTERS (28000510)
  -  PERIMETER EROSION BARRIER (28000400)
  -  EROSION CONTROL BLANKET (25100630)  
TEMPORARY EROSION CONTROL SEEDING (28000250)
  -  WETLANDS
  -  TEMPORARY DITCH CHECKS (28000305)
  -  STONE RIPRAP (SEE DRAINAGE PLANS FOR DETAILS)
  -  OTHER SURFACE WATERS

**EX. DETENTION POND**  
DESIGN HWL 702.0  
NWL 696.5  
TOP OF BERM 704.0

EX. 36" CONC. CULVERT  
U/S INV. = 696.39  
D/S INV. = 695.93

EX. AND PR. 18" CONC. CULVERT  
INV. 695.11

EX. 12" CONC. CULVERT  
INV. 698.26

EX. 10' W X 6' H BOX CULVERT  
U/S INV. = 693.95  
SN 049-0522

EX. PAVED DRAINAGE DITCH  
INV. = 695.49

EX. INL  
RIM 701.03  
INV 698.23

EX. CB  
RIM 702.69  
INV (W) 695.79  
INV (E) 695.59  
INV (S) 697.59

EX. CB  
RIM 701.95  
INV 697.45

LORELEI DRIVE

IL. ROUTE 173  
(ROSECRANS ROAD)

KIEFER DRIVE

EX. 18" CONC. CULVERT  
D/S INV. = 699.74

STA. 18+71.70  
OFF. 27.43

STA. 17+14.21  
OFF. 31.32

STA. 17+33.74  
OFF. 40.44

STA. 19+25.00  
OFF. 39.94

STA. 19+25.00  
OFF. 44.94

STA. 19+78.57  
OFF. 44.80

STA. 20+49.97  
OFF. 39.62

STA. 20+50.00  
OFF. 44.61

STA. 21+02.12  
OFF. 27.57

STA. 20+94.24  
OFF. 39.50

PR. 11' W X 7' H BOX CULVERT  
D/S INV. = 692.57  
D/S FLOWLINE = 693.57  
SN 049-8300

STA. 20+22.04  
OFF. 44.69

EROSION CONTROL BLANKET (25100630) 729 SQ YD  
TEMPORARY EROSION CONTROL SEEDING (28000250) 15 POUNDS

PERIMETER EROSION BARRIER (28000400) 368'

WETLAND SITE 1  
0.8015 Acre



FILE NAME = SFILES  
PLOT SCALE = 40,0000' / 1in.  
USER NAME = DANNING

**GSG CONSULTANTS, INC.**  
735 E. REMINGTON RD. SCHUMBERG, IL 60173  
TEL: +1630.994.2600 | WWW.GSG-CONSULTANTS.COM

USER NAME =	DESIGNED - DAM	REVISED -
DRAWN - CMN	REVISED -	
CHECKED - WS	REVISED -	
DATE - 08/01/2025	REVISED -	

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









**ILLINOIS ROUTE 173**  
**EROSION CONTROL - STAGE 1**

SCALE: 1"=20' SHEET NO. 02 OF 03 SHEETS STA.16+68.41 TO STA.22+98.43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	21
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T82	

**FLOW RATE**  
2-YEAR FLOW RATE = 62 CU FT/S

**NOTE:**  
IN-STREAM WORK PLAN, TEMPORARY DRAINAGE, AND ANY DEWATERING NECESSARY TO COMPLETE THE EXCAVATION, CONSTRUCTION, AND INSTALLATION OF THE CULVERT SHALL BE DETERMINED BY CONTRACTOR AND MEET WITH THE APPROVAL OF THE ENGINEER AND AUTHORITIES HAVING JURISDICTION

- EROSION CONTROL LEGEND:**
-  INLET FILTERS (28000510)
  -  PERIMETER EROSION BARRIER (28000400)
  -  EROSION CONTROL BLANKET (25100630)
  -  TEMPORARY EROSION CONTROL SEEDING (28000250)
  -  WETLANDS
  -  TEMPORARY DITCH CHECKS (28000305)
  -  STONE RIPRAP (SEE DRAINAGE PLANS FOR DETAILS)
  -  OTHER SURFACE WATERS

**EX. DETENTION POND**  
DESIGN HWL 702.0  
NWL 696.5  
TOP OF BERM 704.0

**EX. 36" CONC. CULVERT**  
U/S INV. = 696.39  
D/S INV. = 695.93

**EX. AND PR. 18" CONC. CULVERT**  
INV. 695.11

**STONE RIPRAP, CLASS A4**  
(28100107) 6 SQ YD

**PERIMETER EROSION BARRIER (28000400) 293'**

**EX. PAVED DRAINAGE DITCH**  
INV. = 695.49

**EROSION CONTROL BLANKET (25100630) 210 SQ YD**  
**TEMPORARY EROSION CONTROL SEEDING (28000250) 11 POUNDS**

LORELEI DRIVE

KIEFER DRIVE

**IL. ROUTE 173 (ROSECRANS ROAD)**

**EX. 18" CONC. CULVERT**  
D/S INV. = 699.74

**PR. 11' W X 7' H BOX CULVERT**  
U/S INV. = 692.95  
U/S FLOWLINE = 693.95  
D/S INV. = 692.57  
D/S FLOWLINE = 693.57  
SN 049-8300

**EX. 8" FORCED MAIN**



FILES = 480000071.DWG  
PLOT SCALE = 1"=20'  
USER NAME =

**GSG CONSULTANTS, INC.**  
735 E. REMINGTON RD. SCHLAUBURG, IL 60173  
TEL: +1630.994.2600 | WWW.GSG-CONSULTANTS.COM

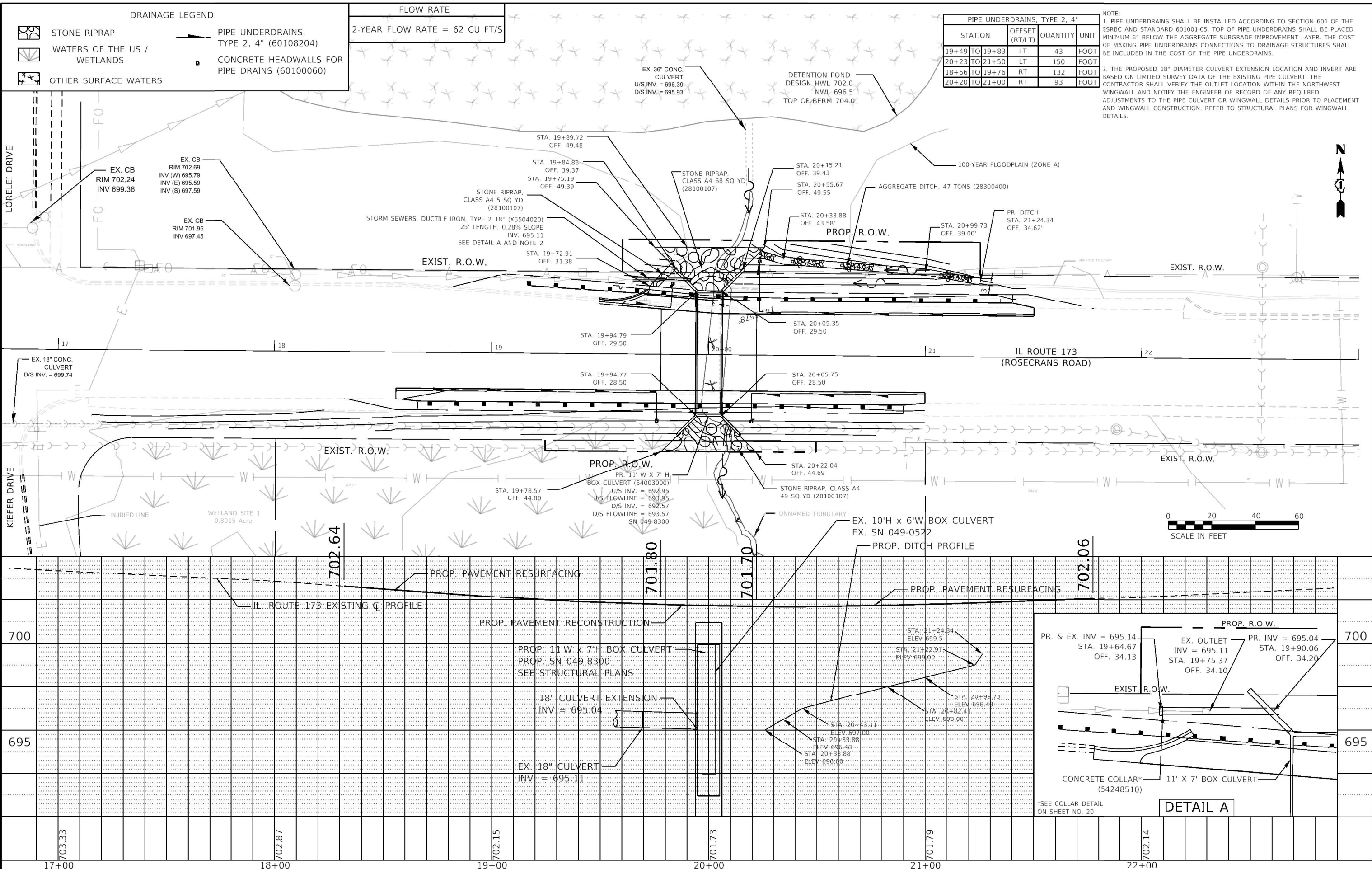
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PLOT DATE =	CHECKED - WS	REVISED -
	DATE - 08/01/2025	REVISED -

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

**ILLINOIS ROUTE 173**  
**EROSION CONTROL - STAGE 2**

SCALE: 1"=20' SHEET NO. 03 OF 03 SHEETS STA. 16+68.45 TO STA. 22+98.47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	22
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T82	



**DRAINAGE LEGEND:**

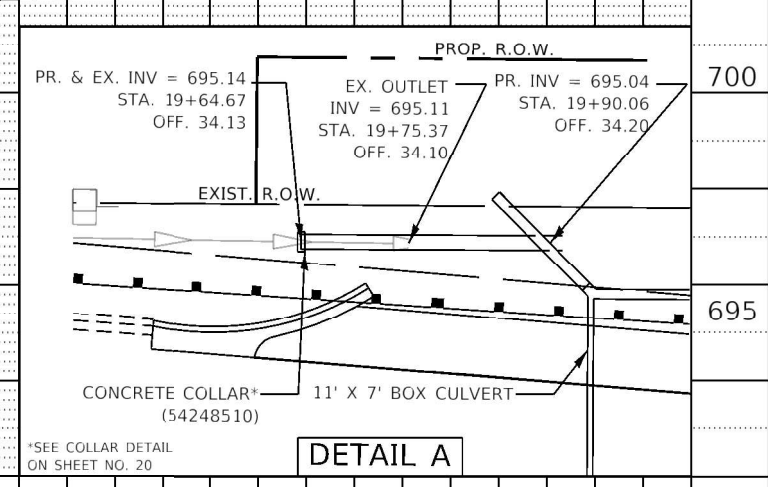
- STONE RIPRAP
- WATERS OF THE US / WETLANDS
- OTHER SURFACE WATERS
- PIPE UNDERDRAINS, TYPE 2, 4" (60108204)
- CONCRETE HEADWALLS FOR PIPE DRAINS (60100060)

**FLOW RATE**  
2-YEAR FLOW RATE = 62 CU FT/S

**PIPE UNDERDRAINS, TYPE 2, 4"**

STATION	OFFSET (RT/LT)	QUANTITY	UNIT
19+49 TO 19+83	LT	43	FOOT
20+23 TO 21+50	LT	150	FOOT
18+56 TO 19+76	RT	132	FOOT
20+20 TO 21+00	RT	93	FOOT

**NOTE:**  
1. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.  
2. THE PROPOSED 18" DIAMETER CULVERT EXTENSION LOCATION AND INVERT ARE BASED ON LIMITED SURVEY DATA OF THE EXISTING PIPE CULVERT. THE CONTRACTOR SHALL VERIFY THE OUTLET LOCATION WITHIN THE NORTHWEST WINGWALL AND NOTIFY THE ENGINEER OF RECORD OF ANY REQUIRED ADJUSTMENTS TO THE PIPE CULVERT OR WINGWALL DETAILS PRIOR TO PLACEMENT AND WINGWALL CONSTRUCTION. REFER TO STRUCTURAL PLANS FOR WINGWALL DETAILS.



**GSG CONSULTANTS, INC.**  
735 E. REMINGTON RD., SCHAMBURG, IL 60173  
TEL: +1815.994.2600 | WWW.GSG-CONSULTANTS.COM

USER NAME = balbadr	DESIGNED - DAM	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED - CMN	REVISED -
PLOT DATE = 10/24/2025	DRAWN - WS	REVISED -
	CHECKED - 08/01/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 173  
DRAINAGE PLAN AND PROFILE**

SCALE: 1"=20'

SHEET 01 OF 01 SHEETS STA. 16+73.70 TO STA. 23+00.00

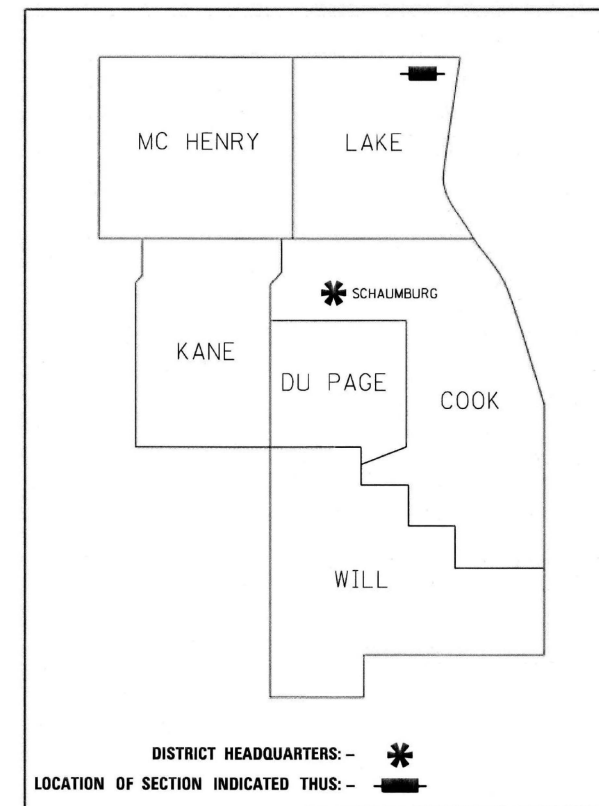
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	23
CONTRACT NO. 62T82				
ILLINOIS FED. AID PROJECT				

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

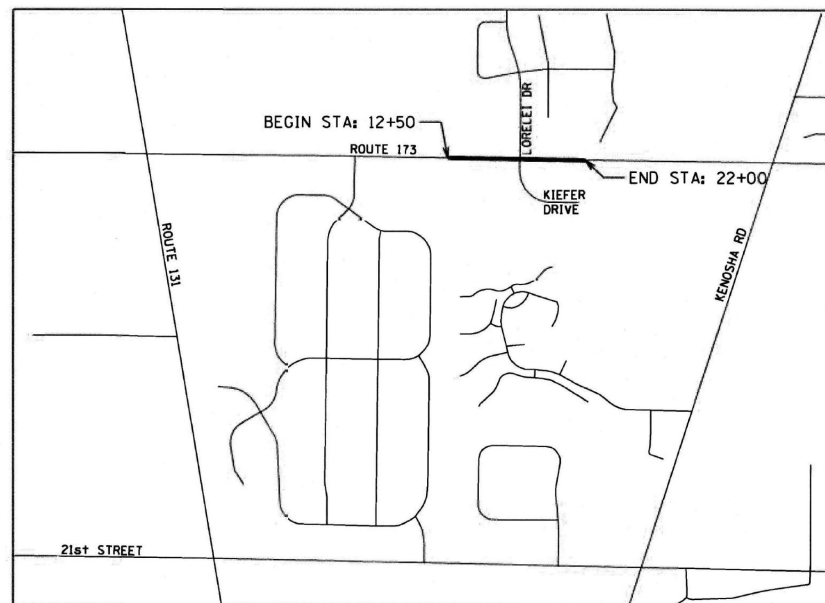
PARCEL NO.	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1PG0001	DKI-ZION LP AN ILLINOIS LIMITED PARTNERSHIP	2	2025 ED 09
1PG0002	ECR 1700 KIEFER DR LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	3	8102575

# PLAT OF HIGHWAYS

**ROUTE: ILLINOIS ROUTE 173**  
**SECTION:**  
**COUNTY: LAKE**  
**LIMITS: OVER UNNAMED DITCH**  
**0.5 MILES EAST OF ILLINOIS ROUTE 131**  
**JOB NO.: R-91-001-22**



**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**



**LOCATION MAP**

**SHEET 1 COVER & INDEX SHEET**  
**SHEET 2 IL ROUTE 173 - STA. 12 + 50.00 TO 22 + 00.00 (IL 173)**  
**SHEET 3 IL ROUTE 173 - STA. 12 + 50.00 TO 22 + 00.00 (IL 173)**

GROSS LENGTH = 950 FT. = 0.18 MILE (IL ROUTE 173 / ROSECRANS RD)  
NET LENGTH = 950 FT. = 0.18 MILE (IL ROUTE 173 / ROSECRANS RD)

<b>AEG</b>	<b>ATLAS ENGINEERING GROUP, LTD.</b>		<b>IDOT USE ONLY</b>	
	710 Estate Drive,   Deerfield, IL 60062 847.753.8020 (office)   847.753.8023 (fax)			

FILE NAME = \$FILES  
PLOT SCALE = 2.0000" / in.  
USER NAME = rileywhite



USER NAME = rileywhite	DESIGNED - RW	REVISED -
	DRAWN - RW	REVISED -
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PLOT DATE = 12/4/2025	DATE - 12/05/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 173  
PLAT OF HIGHWAYS**

SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	24
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT			CONTRACT NO. 62T82	

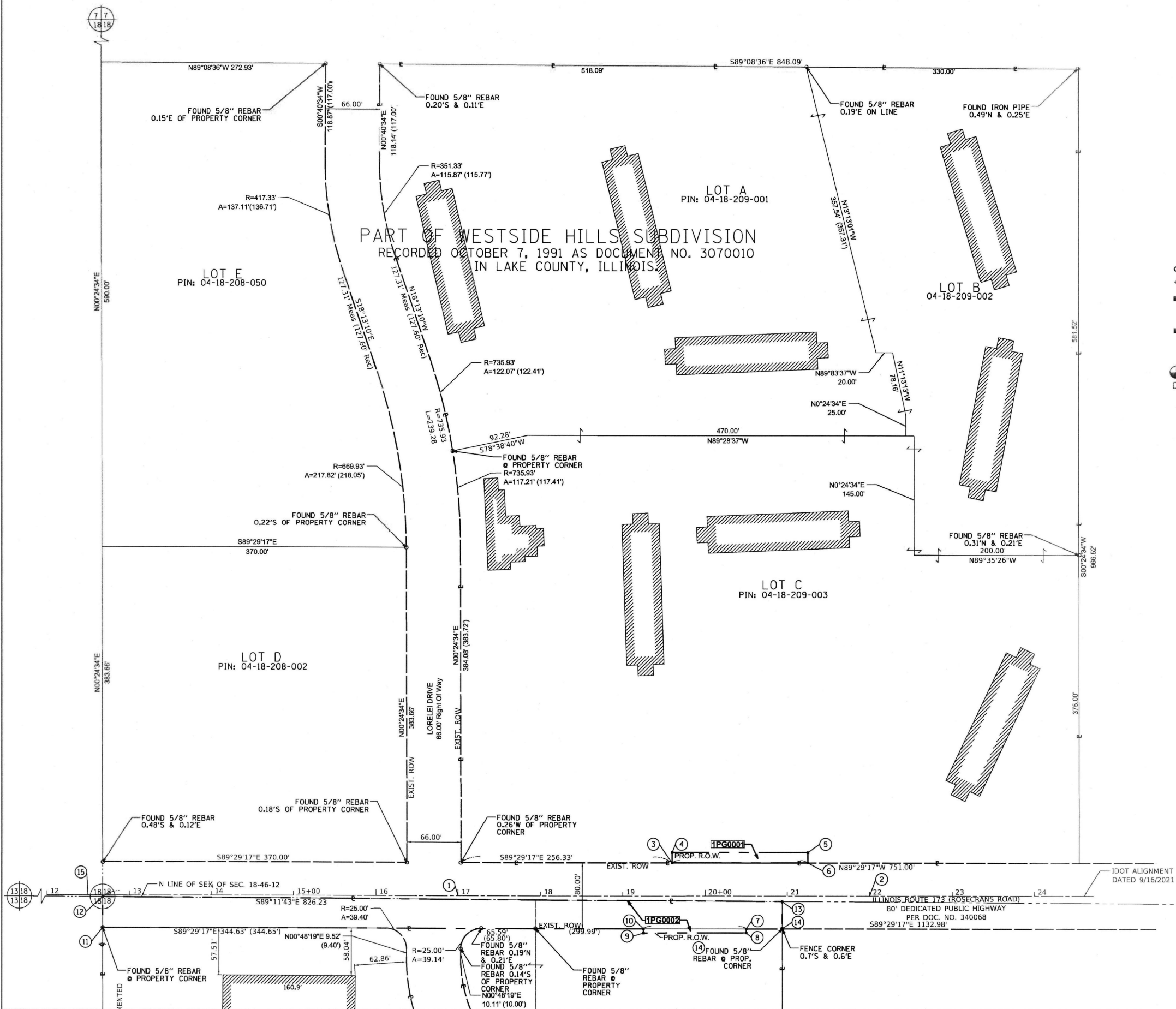
PART OF THE EAST HALF OF SECTION 18, TWP. 46 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

**LEGEND**

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

GRAPHIC SCALE  
FEET  
SCALE: 1" = 60'



- IRON PIPE OR ROD FOUND
- ⊕ \*MAG\* NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARING, DISTANCES, AND COORDINATES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99995735.

AREAS SHOWN ON THIS PLAT ARE "GROUND".

FIELD SURVEY COMPLETED ON FEBRUARY 28, 2023.

COR MONUMENT STATION IL-LIBERTYVILLE REFERENCED FOR PROJECT COORDINATES. PUBLISHED N: 2050329.776 E: 1085166.189 (NAVD88) 2011.

STATE OF ILLINOIS )  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, ATLAS ENGINEERING GROUP, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-005508, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 18, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DEERFIELD, ILLINOIS THIS 5<sup>th</sup> DAY OF Sept, 2024 A.D.

*David Rogers*  
ROARK V. ROGERS  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003765  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

**AEG ATLAS ENGINEERING GROUP, LTD.**  
710 Easton Drive | Deerfield, IL 60015  
847.753.8020 (office) | 847.753.8023 (fax)

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 173

LIMITS: OVER UNNAMED DITCH  
0.5 MI EAST OF IL ROUTE 131 COUNTY: LAKE

SECTION: STA. 12+50.00 TO STA. 22+00.00 JOB NO.: R-91-001-22  
SCALE: 1" = 60' SHEET 2 OF 3 SHEETS

**BUREAU OF LAND ACQUISITION**  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

FILE NAME = SFILES  
PLOT SCALE = 2.0000" / in.  
USER NAME = rileywhite



USER NAME = rileywhite	DESIGNED - RW	REVISED -
PLOT SCALE = 2.0000" / in.	DRAWN - RW	REVISED -
PLOT DATE = 12/4/2025	CHECKED - YK	REVISED -
	DATE - 12/05/2025	REVISED -

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

**ILLINOIS ROUTE 173**  
**PLAT OF HIGHWAYS**

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	25
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PART OF THE EAST HALF OF SECTION 18 TWP. 46 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

**LEGEND**

SECTION CORNER 16 QUARTER SECTION CORNER

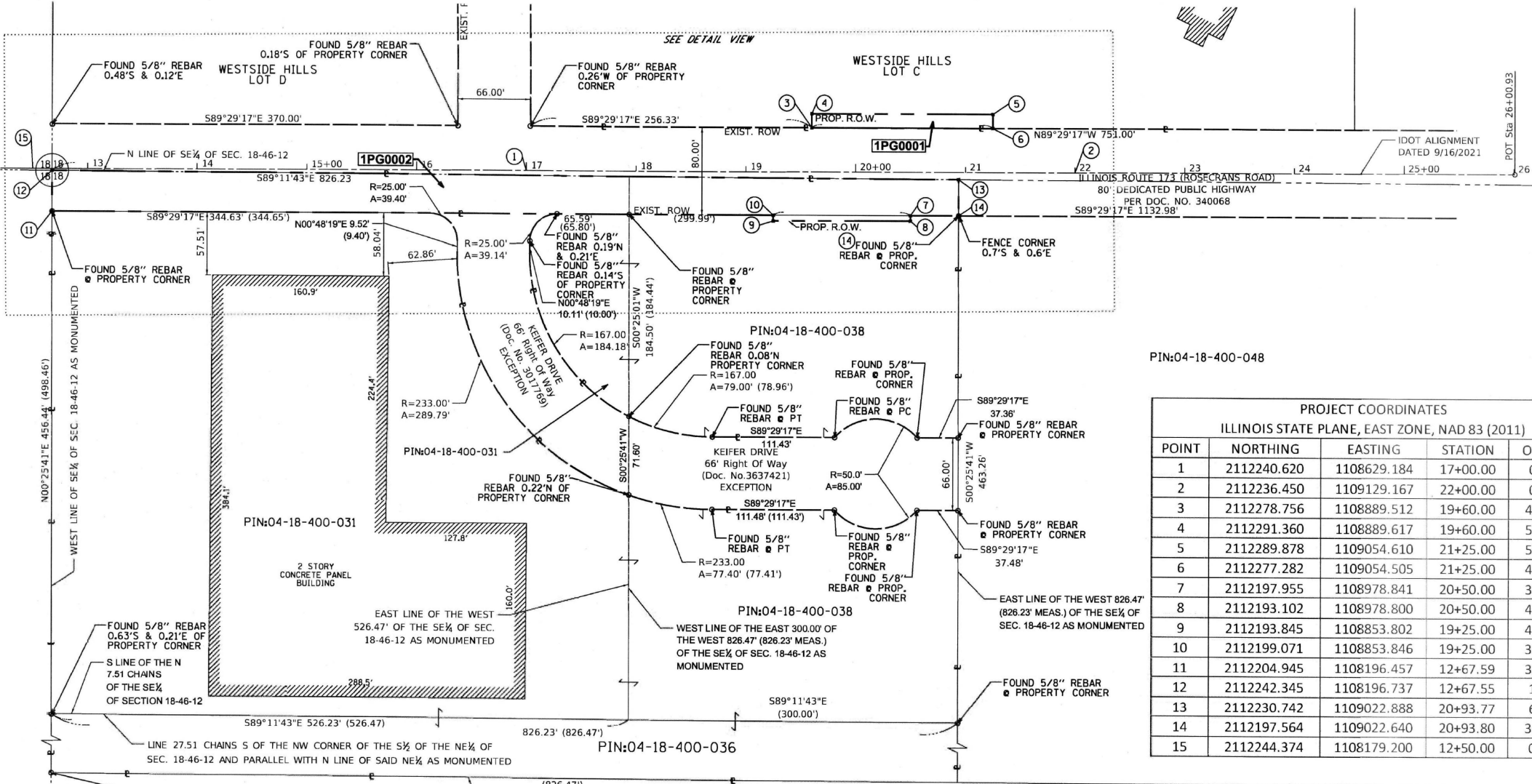
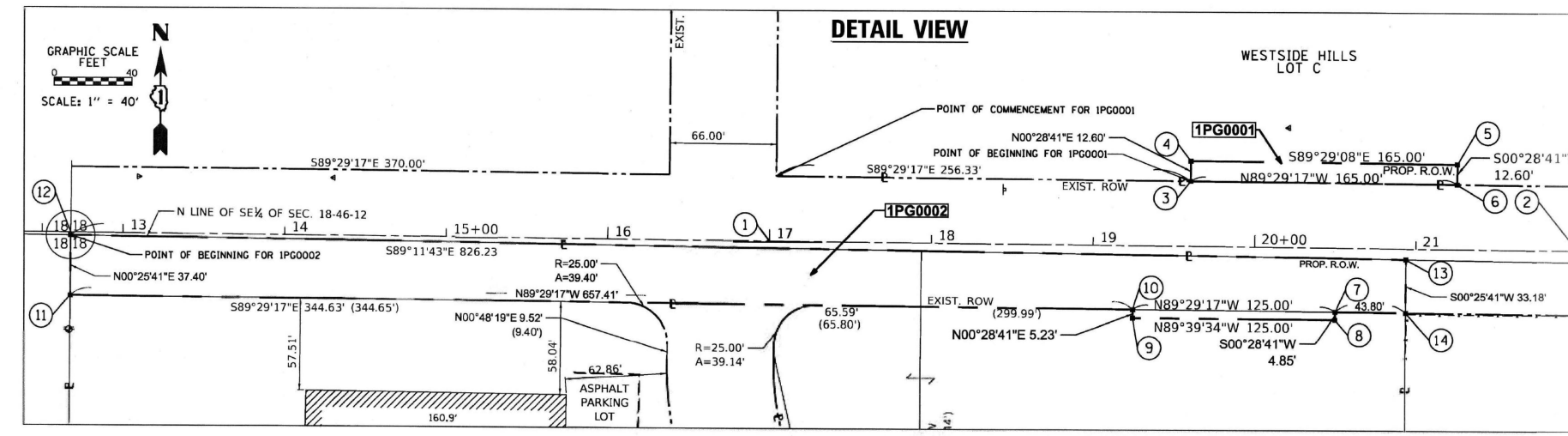
GRAPHIC SCALE FEET SCALE: 1" = 40'

GRAPHIC SCALE FEET SCALE: 1" = 60'

SECTION / QUARTER SECTION LINE  
 PLATTED LOT LINES  
 PROPERTY (DEED) LINE  
 APPARENT PROPERTY LINE  
 EXISTING CENTERLINE  
 PROPOSED CENTERLINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 EXISTING EASEMENT  
 PROPOSED EASEMENT  
 AC EXISTING ACCESS CONTROL LINE  
 AC PROPOSED ACCESS CONTROL LINE  
 MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORDED DIMENSION  
 EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

○ IRON PIPE OR ROD FOUND    ⊕ \*MAG' NAIL SET    ◁ EXISTING FLARED END SECTION SIGN  
 + CUT CROSS FOUND OR SET    ● 5/8" REBAR SET    ⊕ SIGN  
 ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.  
 ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
 ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)  
 □ RIGHT OF WAY STAKING PROPOSED TO BE SET



PROJECT COORDINATES  
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

POINT	NORTHING	EASTING	STATION	OFFSET
1	2112240.620	1108629.184	17+00.00	0.00
2	2112236.450	1109129.167	22+00.00	0.00
3	2112278.756	1108889.512	19+60.00	40.31 L
4	2112291.360	1108889.617	19+60.00	52.91 L
5	2112289.878	1109054.610	21+25.00	52.81 L
6	2112277.282	1109054.505	21+25.00	40.21 L
7	2112197.955	1108978.841	20+50.00	39.75 R
8	2112193.102	1108978.800	20+50.00	44.60 R
9	2112193.845	1108853.802	19+25.00	44.90 R
10	2112199.071	1108853.846	19+25.00	39.67 R
11	2112204.945	1108196.457	12+67.59	39.28 R
12	2112242.345	1108196.737	12+67.55	1.88 R
13	2112230.742	1109022.888	20+93.77	6.59 R
14	2112197.564	1109022.640	20+93.80	39.77 R
15	2112244.374	1108179.200	12+50.00	0.00

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PARCEL INDEX NUMBER
1PG0001	17.436	0.048	N/A	17.388	N/A	04-18-209-001 04-18-209-002 04-18-209-003
1PG0002	11.380	0.684	0.670	10.696	N/A	04-18-400-031 04-18-400-036 04-18-400-038

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.  
 BEARING, DISTANCES, AND COORDINATES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".  
 ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99995735.  
 AREAS SHOWN ON THIS PLAT ARE "GROUND".  
 FIELD SURVEY COMPLETED ON FEBRUARY 28, 2023.  
 COR MONUMENT STATION IL-LIBERTYVILLE REFERENCED FOR PROJECT COORDINATES, PUBLISHED N: 2050329.776 E: 1085166.189 (NAV088) 2011. NG 0766 OF 7900  
 STATE OF ILLINOIS )  
 COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, ATLAS ENGINEERING GROUP, LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-005508, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 18, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.  
 DATED AT DEERFIELD, ILLINOIS THIS 6<sup>th</sup> DAY OF Sept, 2024 A.D.  
 ROARK V. ROGERS  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003765  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2024  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

**AEG ATLAS ENGINEERING GROUP, LTD.**  
 710 Estate Drive, Deerfield, IL 60015  
 847.753.8020 (office) | 847.753.8023 (fax)

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 173

LIMITS: OVER UNNAMED DITCH  
 0.5 MI EAST OF IL ROUTE 131 COUNTY: LAKE

SECTION: TO STA. 22+00.00 JOB NO.: R-91-001-22  
 STA. 12+50.00 TO STA. 22+00.00 SHEET 3 OF 3 SHEETS  
 SCALE: 1" = 60'

**BUREAU OF LAND ACQUISITION**  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

FILE NAME = SFILES  
 PLOT SCALE = 2.0000" / in.  
 USER NAME = rileywhite



USER NAME = rileywhite	DESIGNED - RW	REVISED -
PLOT SCALE = 2.0000" / in.	DRAWN - RW	REVISED -
PLOT DATE = 12/4/2025	CHECKED - YK	REVISED -
	DATE - 12/05/2025	REVISED -

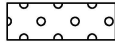

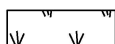

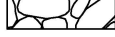



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 173  
PLAT OF HIGHWAYS

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	26
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**LANDSCAPE LEGEND**

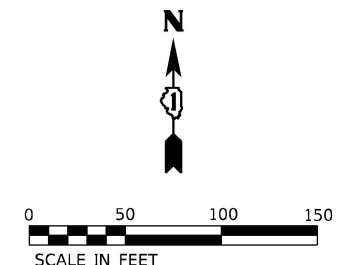
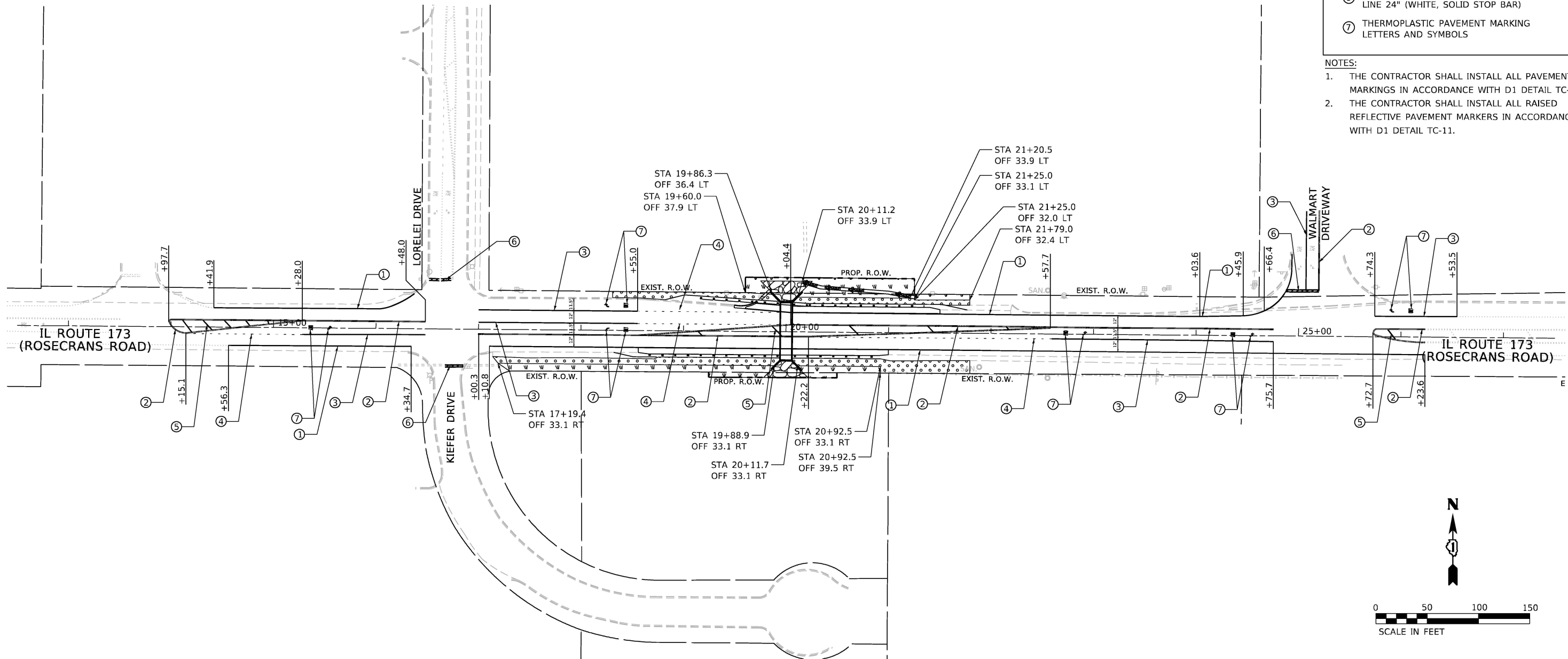
-  SEEDING, CLASS 2A (25000210)
-  NITROGEN FERTILIZER NUTRIENT (25000400)
-  PHOSPHORUS FERTILIZER NUTRIENT (25000500)
-  POTASSIUM FERTILIZER NUTRIENT (25000600)
-  MULCH, METHOD 2 (25100115)
-  SEEDING, CLASS 5B (25000324)
-  EROSION CONTROL BLANKET (25100630)
-  STONE RIPRAP  
(SEE DRAINAGE PLAN FOR DETAILS)

**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING  
LINE 4" (WHITE, SOLID)
- ② THERMOPLASTIC PAVEMENT MARKING  
LINE 4" (DOUBLE YELLOW SOLID 2 @ 8" C/C)
- ③ THERMOPLASTIC PAVEMENT MARKING  
LINE 6" (WHITE, SOLID)
- ④ THERMOPLASTIC PAVEMENT MARKING  
LINE 6" (WHITE, SKIP-DASH, 2' LINE W/ 6' SPACE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING  
LINE 12" (YELLOW, SOLID @ 45 DEG.)
- ⑥ THERMOPLASTIC PAVEMENT MARKING  
LINE 24" (WHITE, SOLID STOP BAR)
- ⑦ THERMOPLASTIC PAVEMENT MARKING  
LETTERS AND SYMBOLS

**NOTES:**

1. THE CONTRACTOR SHALL INSTALL ALL PAVEMENT MARKINGS IN ACCORDANCE WITH D1 DETAIL TC-13.
2. THE CONTRACTOR SHALL INSTALL ALL RAISED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH D1 DETAIL TC-11.



\$FILES = 100.0000 / in.  
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 USER NAME = rileywhite



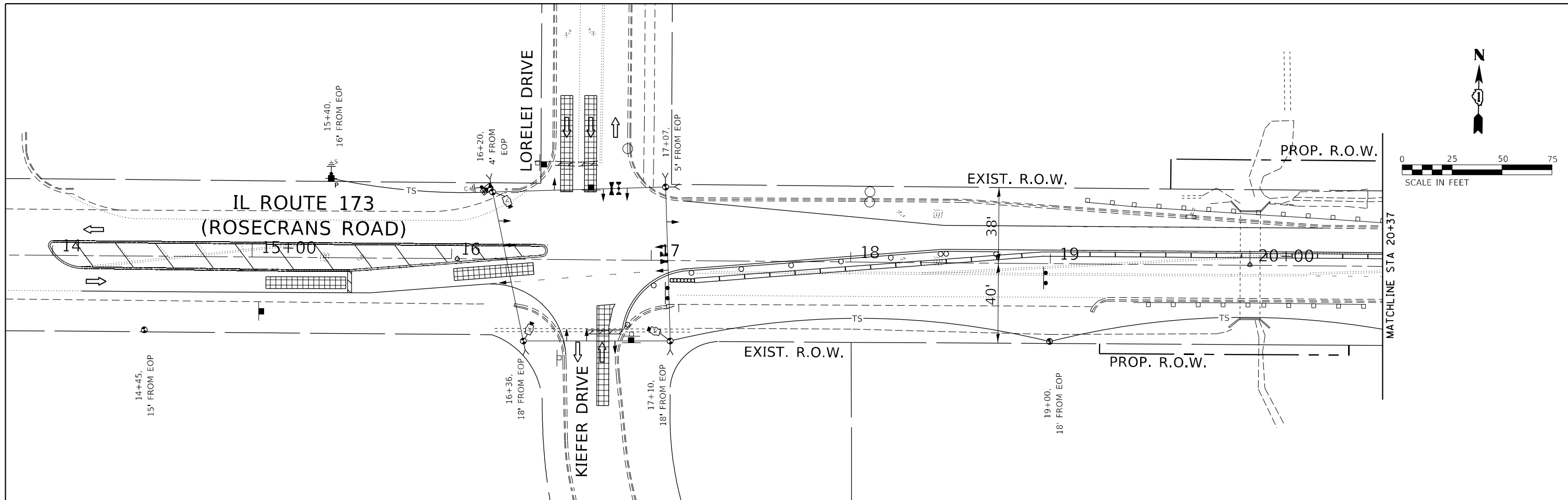
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**













**ILLINOIS ROUTE 173  
PAVEMENT MARKING AND LANDSCAPE PLAN**

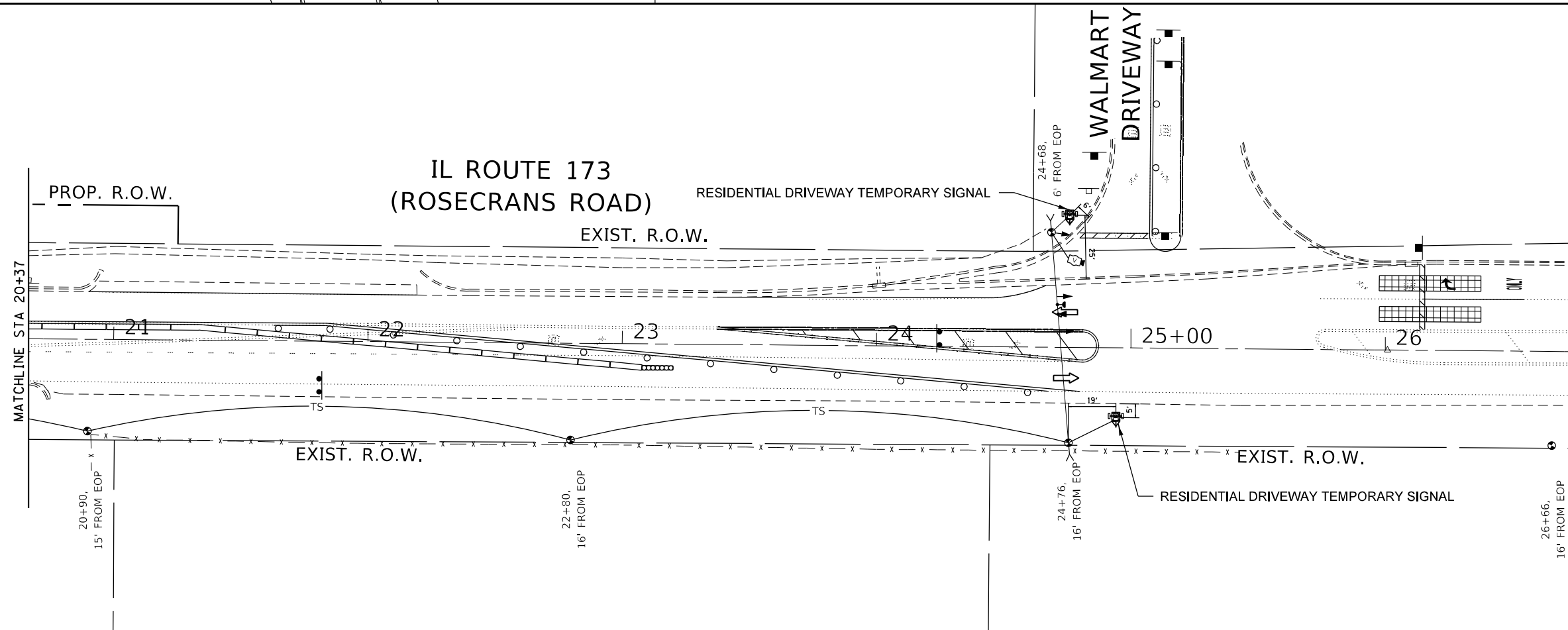
SCALE: 1"=50'    SHEET NO. 1 OF 1 SHEETS    STA. 12+50.00 TO STA. 27+50.00

F.A.P. RTE. 303	SECTION FAP 0303 22 CR	COUNTY LAKE	TOTAL SHEETS 58	SHEET NO. 27
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T82	



**TEMPORARY TRAFFIC SIGNAL LEGEND**

-  TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
-  TEMPORARY WOOD POLE, NOMINAL 60 FT, CLASS 4  
6" MIN SETBACK (UNLESS OTHERWISE NOTED) FROM EDGE OF TRAVEL PAVEMENT
-  TEMPORARY LED TRAFFIC SIGNAL HEAD, NUMBER OF SECTION AND DISPLAY AS REQUIRED
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION ZONE
-  GROUND ROD 5/8" DIA. X 10'
-  COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
-  TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS REQUIRED
-  EMERGENCY VEHICLE LIGHT DETECTOR
-  CONFIRMATION BEACON
-  DIRECTION OF TRAFFIC
-  RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL



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 USER NAME = sagrawal



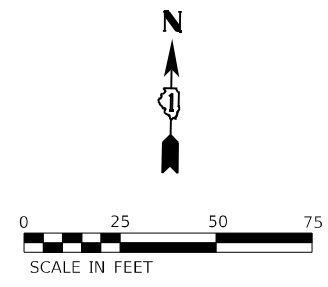
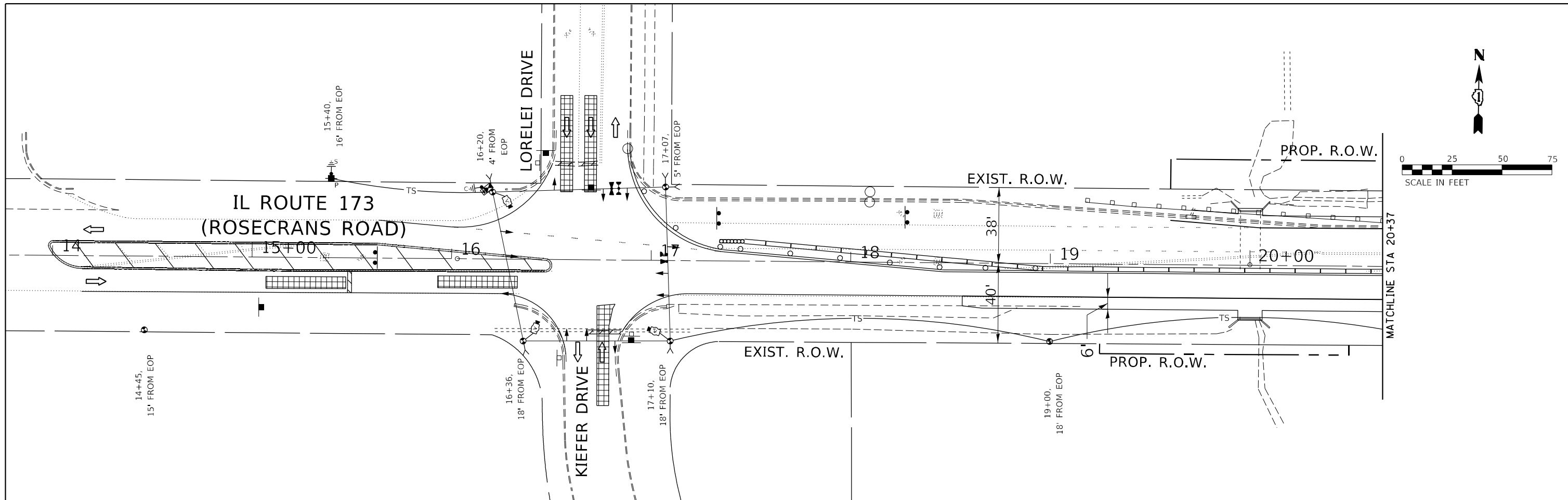
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PLOT DATE = 12/4/2025	DATE - 12/05/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**













**ILLINOIS ROUTE 173  
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN STAGE 1**

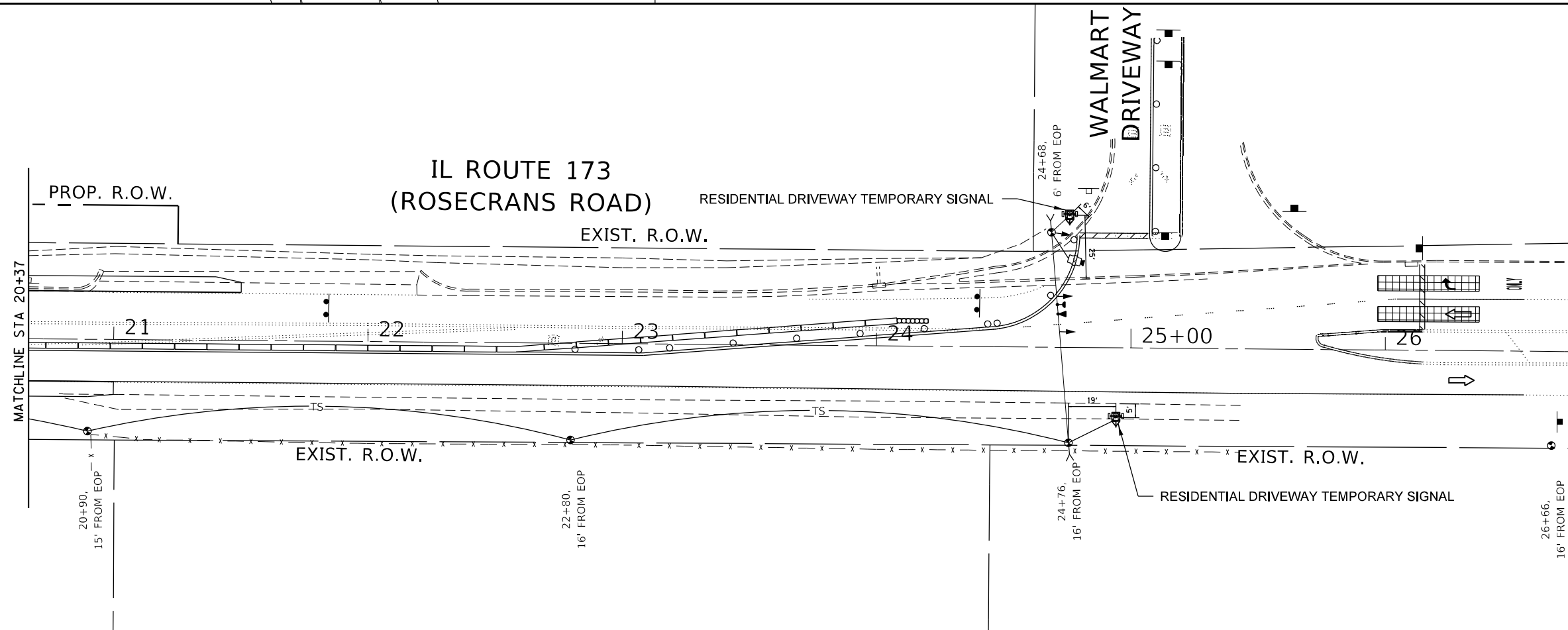
SCALE: 1"=50'    SHEET NO.28 OF 58 SHEETS    STA.    TO STA.

F.A.P. RTE. 303	SECTION FAP 0303 22 CR	COUNTY LAKE	TOTAL SHEETS 58	SHEET NO. 28
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TEMPORARY TRAFFIC SIGNAL LEGEND**

-  TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
-  TEMPORARY WOOD POLE, NOMINAL 60 FT, CLASS 4  
6' MIN SETBACK (UNLESS OTHERWISE NOTED) FROM EDGE OF TRAVEL PAVEMENT
-  TEMPORARY LED TRAFFIC SIGNAL HEAD, NUMBER OF SECTION AND DISPLAY AS REQUIRED
-  TEMPORARY VIDEO DETECTION CAMERA
-  VIDEO DETECTION ZONE
-  GROUND ROD 5/8" DIA. X 10'
-  COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
-  TEMPORARY TRAFFIC SIGNAL SPAN WIRE, NUMBER OF CONDUCTORS AS REQUIRED
-  EMERGENCY VEHICLE LIGHT DETECTOR
-  CONFIRMATION BEACON
-  DIRECTION OF TRAFFIC
-  RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL



FILE NAME = SFILES  
 PLOT SCALE = 49.9999' / in.  
 USER NAME = sagrawal



USER NAME = sagrawal	DESIGNED - SSA	REVISED -
	DRAWN - SSA	REVISED -
PLOT SCALE = 49.9999' / in.	CHECKED - GJG	REVISED -
PLOT DATE = 12/4/2025	DATE - 12/05/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 173  
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN STAGE 2**

SCALE: 1"=50'    SHEET NO29 OF 58 SHEETS    STA.    TO STA.

F.A.P. RTE. 303	SECTION FAP 0303 22 CR	COUNTY LAKE	TOTAL SHEETS 58	SHEET NO. 29
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

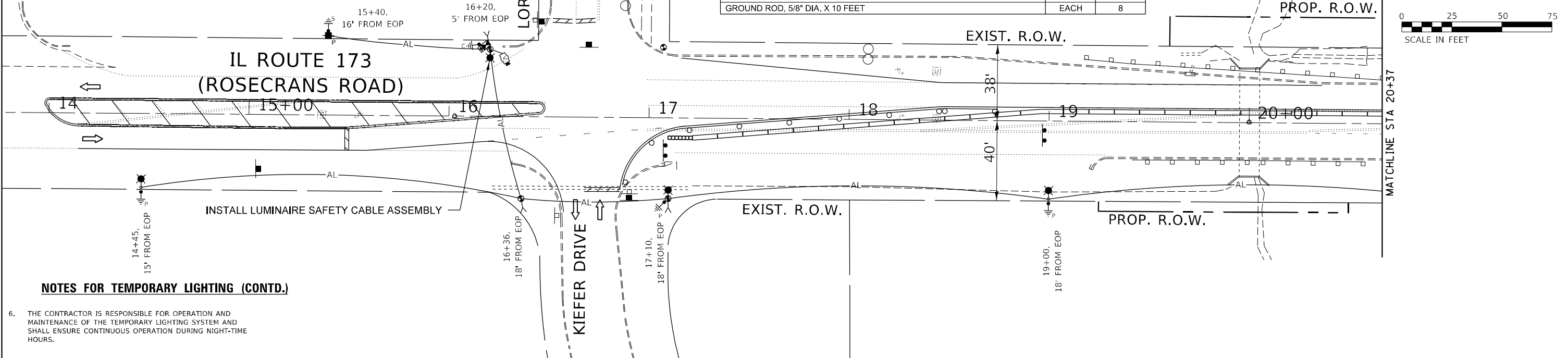
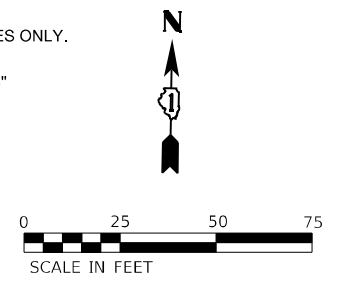
**NOTES FOR TEMPORARY LIGHTING**

- CONTACT TO THE ELECTRIC UTILITY SHALL BE INITIATED BEFORE THE PRECONSTRUCTION MEETING, AND DOCUMENTATION OF CONTACT SHALL BE PRESENTED AT THAT MEETING. NO PLACEMENT OF POLES WILL BE ALLOWED WITHOUT EVIDENCE OF A SIGNED AGREEMENT WITH THE ELECTRIC UTILITY, FURNISHED TO THE ENGINEER.
- THE ELECTRIC SERVICE SHALL BE 240/120V. WHERE 240V SERVICE IS NOT AVAILABLE, THE CONTRACTOR MAY SUBMIT A PROPOSAL FOR 120V SERVICE. DROP CABLE, MAIN BREAKER, AND ALL OTHER SERVICE APPURTENANCES SHALL BE APPROPRIATELY RATED AND INCLUDED REGARDLESS OF THE SERVICE VOLTAGE APPLIED.
- EACH LIGHTING UNIT SHALL BE CONTROLLED BY A PHOTO CELL MOUNTED ON EACH LUMINAIRE WITH THE LIGHTING CIRCUIT FED FROM THE TEMPORARY SERVICE DISCONNECT BOX. OTHER MEANS OF LUMINAIRE CONTROL CAN BE CONSIDERED IF APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL SPLICE AERIAL CABLE AT THE LIGHT POLE USING HEAT SHRINKABLE CAPS WITH THE FACTORY APPLIED WATERPROOF SEALANT OR AN APPROVED UL LISTED AERIAL TAP DEVICE.
- ALL AREAS DISTURBED UNDER THIS CONTRACT SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ENGINEER.

**SCHEDULE OF QUANTITIES FOR TEMPORARY LIGHTING**

ITEM DESCRIPTION	UNITS	TOTAL QTY
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	1400
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	5
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	5
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
TEMPORARY ELECTRIC SERVICE INSTALLATION	EACH	1
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	8
COMBINATION POLE MOUNTED ELECTRIC SERVICE BOX	EACH	1
GROUND ROD, 5/8" DIA. X 10 FEET	EACH	8

NOTE:  
THESE QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY.  
THESE ITEMS SHALL BE PAID FOR AS PART OF  
"TEMPORARY LIGHTING FOR SINGLE LANE STAGING"

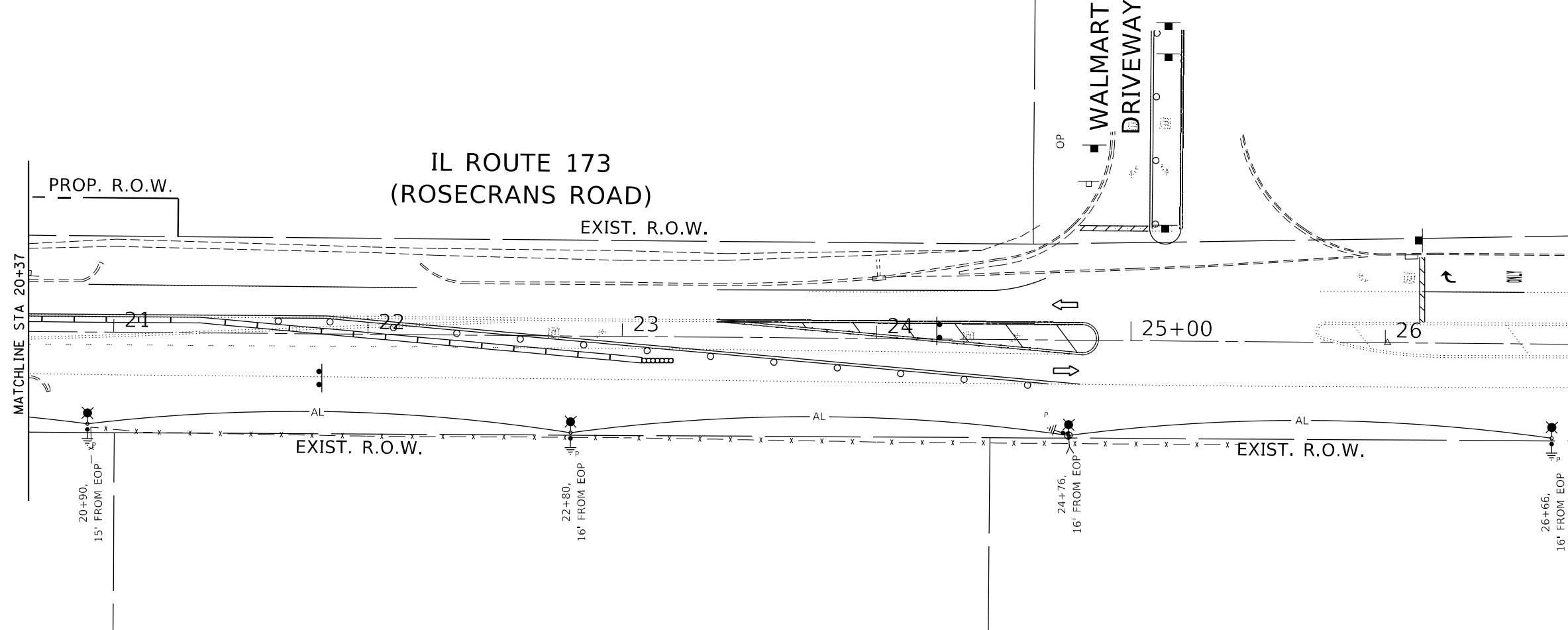


**NOTES FOR TEMPORARY LIGHTING (CONTD.)**

- THE CONTRACTOR IS RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE TEMPORARY LIGHTING SYSTEM AND SHALL ENSURE CONTINUOUS OPERATION DURING NIGHT-TIME HOURS.

**TEMPORARY LIGHTING LEGEND**

- TEMPORARY TRAFFIC CONTROLLER WITH UPS AND BOTTOM PLATE MOUNTED TO WOOD POLE
- TEMPORARY WOOD POLE, NOMINAL 60 FT, CLASS 4 6' MIN SETBACK (UNLESS OTHERWISE NOTED) FROM EDGE OF TRAVEL PAVEMENT
- TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H (MIN. 29,670 LUMENS) WITH PHOTO CELL, 15-FT MAST ARM AT 50' MOUNTING HEIGHT ON WOOD POLE, CLASS 4 16' MIN SETBACK FROM EDGE OF TRAVEL PAVEMENT
- GROUND ROD 5/8" DIA. X 10'
- COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRICAL SERVICE BOX
- 3-1/C#2 AERIAL CABLE LINE WITH MESSENGER WIRE UNLESS OTHERWISE NOTED



FILE NAME = SFILES  
 PLOT SCALE = 49.9999' / in.  
 USER NAME = sagrawal



USER NAME = sagrawal	DESIGNED - SSA	REVISED -
PLOT SCALE = 49.9999' / in.	DRAWN - SSA	REVISED -
PLOT DATE = 1/8/2026	CHECKED - GJG	REVISED -
	DATE - 12/05/2025	REVISED -

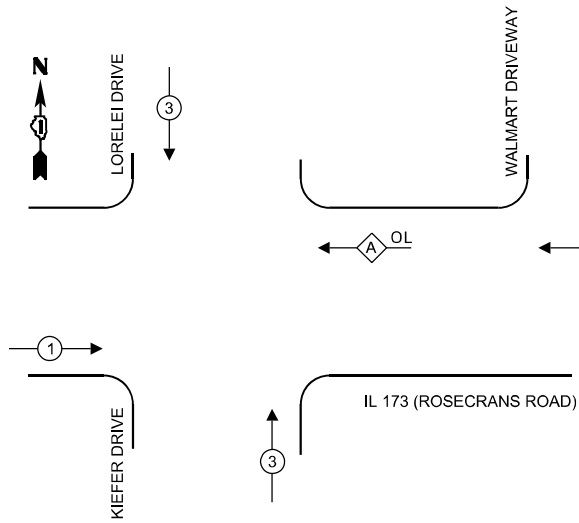
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 173  
TEMPORARY LIGHTING INSTALLATION PLAN STAGES 1 AND 2**

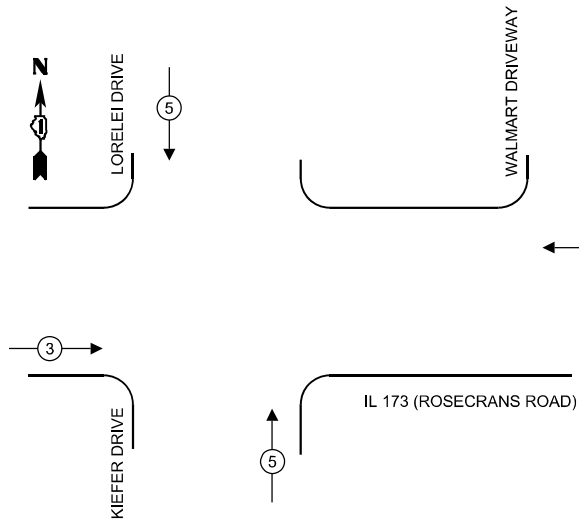
SCALE: 1"=50' SHEET NO.30 OF 58 SHEETS STA. TO STA.

F.A.P. RTE. 303	SECTION FAP 0303 22 CR	COUNTY LAKE	TOTAL SHEETS 58	SHEET NO. 30
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**TEMPORARY CONTROLLER SEQUENCE**



**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND:**

- ⊛ PROTECTED PHASE
- ⊛ OL OVERLAP

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY LIGHTING FOR SINGLE LANE STAGING	L SUM	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3

DEACTIVATE AND BAG LEFT TURN SIGNAL

**IL 173 (ROSECRANS ROAD)**

**IL 173 (ROSECRANS ROAD)**

**TEMPORARY CABLE PLAN ALL STAGES**  
(NOT TO SCALE)

**TEMPORARY CABLE DIAGRAM LEGEND**

- ⚡ TEMPORARY TRAFFIC CONTROLLER WITH UPS
- R TEMPORARY TRAFFIC SIGNAL HEAD SECTION
- 5 INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED
- V VIDEO DETECTION CAMERA
- V VIDEO DETECTOR CABLE AS RECOMMENDED BY VIDEO CAMERA MANUFACTURER
- ◀ EMERGENCY VEHICLE LIGHT DETECTOR
- ▶ CONFIRMATION BEACON

**CONSTRUCTION NOTES:**

- CONTRACTOR SHALL RESTORE ROAD TO PRE-CONSTRUCTION CONDITIONS AFTER COMPLETION OF WORK.
- PROPOSED SERVICE TO THE TEMPORARY TRAFFIC SIGNAL CONTROLLER SHALL BE 240/120V.
- THE FOLLOWING SIGNAL HEADS SHALL BE RELOCATED BETWEEN STAGE 1 AND STAGE 2 ACCORDING TO THE PLANS AND AS DIRECTED BY THE ENGINEER:  
NEARSIDE EASTBOUND  
FARSIDE EASTBOUND  
NEARSIDE WESTBOUND  
FARSIDE WESTBOUND

**ENERGY COSTS TO:**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAY/DISTRICT 1  
201 WEST CENTER COURT/SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: COMED NEW BUSINESS  
PHONE: (866) 639-3532  
COMPANY: COMED  
ACCOUNT NUMBER: XXXXX-XXXXX  
METER NUMBER: -

**TEMPORARY TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	11	11	121
4-SECTION	4	14	56
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
<b>TOTAL UPS SIZING</b>		<b>372</b>	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	8	240	1,920
<b>TOTAL SERVICE WIRE SIZING</b>		<b>2,897</b>	



USER NAME = sagrawal  
PLOT SCALE = 1:6667 \* / in.  
PLOT DATE = 12/4/2025

DESIGNED - SSA  
DRAWN - SSA  
CHECKED - GJG  
DATE - 12/05/2025

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

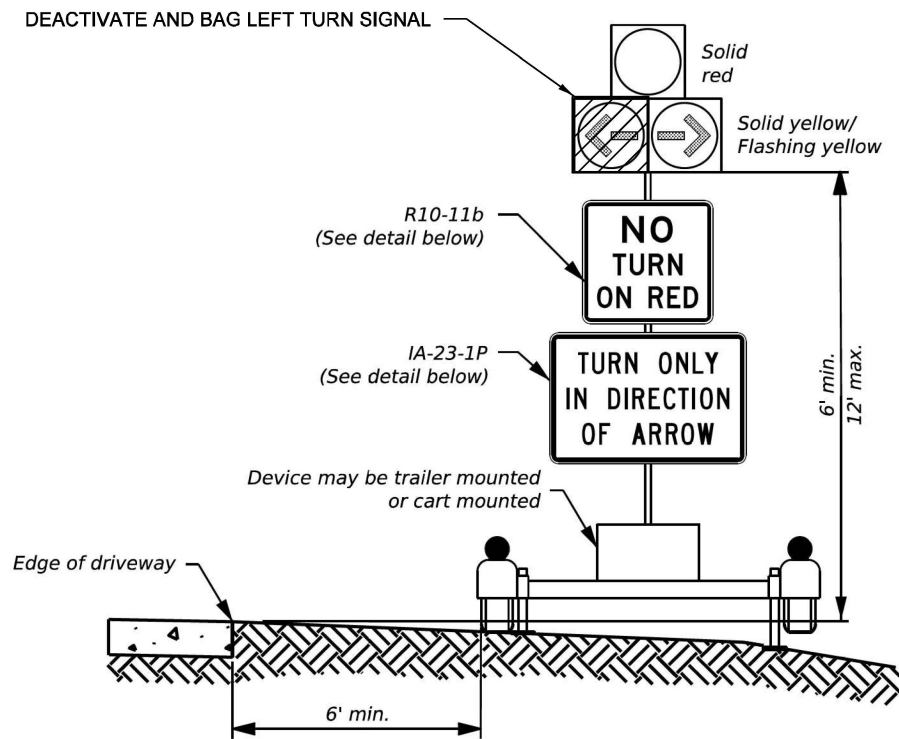
**ILLINOIS ROUTE 173 TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES**  
SCALE: NTS SHEET NO.31 OF 58 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	31

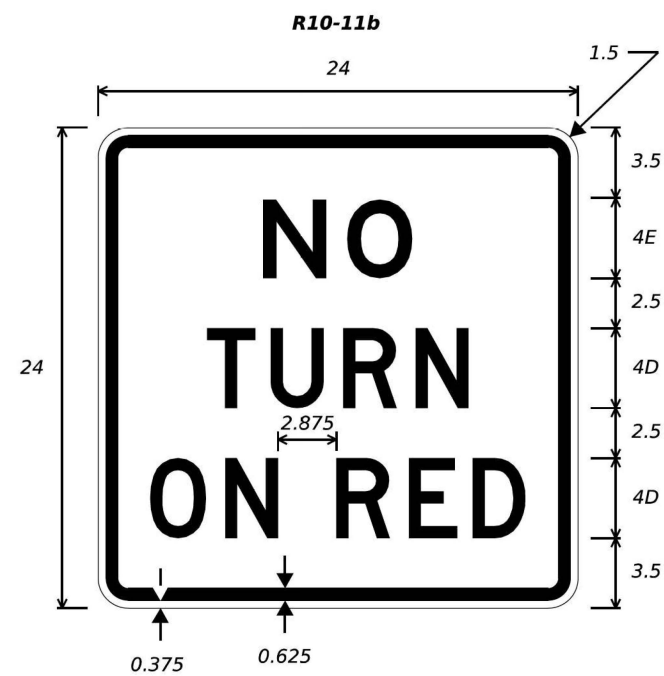
CONTRACT NO. 62T82  
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

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USER NAME = sagrawal

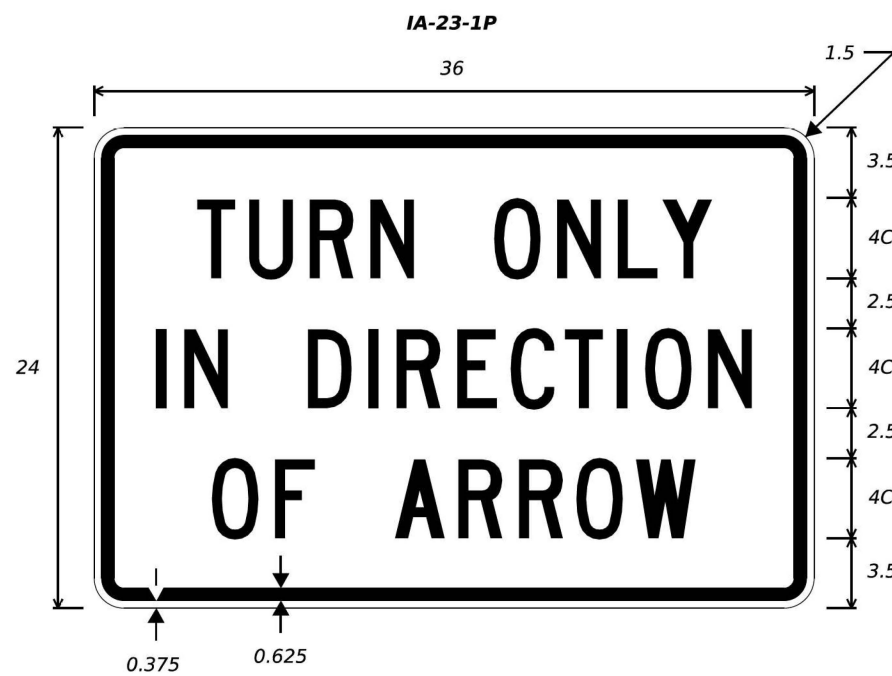
**ELEVATION VIEW**



**SIGN DETAILS**



COLORS: LEGEND - BLACK  
BACKGROUND - WHITE



COLORS: LEGEND - BLACK  
BACKGROUND - WHITE

**GENERAL NOTES**

1. EACH RDTS MUST HAVE ONE SIGNAL HEAD CONSISTING OF THREE LED INDICATIONS AS FOLLOWS; ONE 12 IN. DIAMETER STEADY RED BALL INDICATION CENTERED OVER ONE 12 IN. DIAMETER YELLOW LEFT ARROW AND ONE 12 IN. DIAMETER YELLOW RIGHT ARROW.
2. RDTS(S) MUST BE PAIRED WITH A COMPATIBLE PORTABLE TRAFFIC SIGNAL SYSTEM FOR PROPER FUNCTIONALITY. AN RDTS SHALL NOT BE USED AS A STANDALONE DEVICE.
3. SEE D1 SPECIAL PROVISION "RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL" FOR ADDITIONAL DETAILS.
4. SEE TRAFFIC CONTROL PLAN (TCP) STANDARD SHEETS FOR PLACEMENT OF TEMPORARY TRAFFIC SIGNALS AND OTHER TRAFFIC CONTROL DEVICES.

**RESIDENTIAL DRIVEWAY  
TEMPORARY SIGNAL**

**RDTS-25**

FILE NAME = \$FILES  
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USER NAME = sagrawal



USER NAME = sagrawal	DESIGNED - SSA	REVISED -
	DRAWN - SSA	REVISED -
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PLOT DATE = 12/4/2025	DATE - 12/05/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 173

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 303	SECTION FAP 0303 22 CR	COUNTY LAKE	TOTAL SHEETS 58	SHEET NO. 32
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

Existing Structure (SN 049-0522) constructed in 1975 is a reinforced concrete single cell 10'x6' box culvert. This structure carries F.A.P 303 Illinois Route 173 Over Unnamed Drainage Ditch Located 0.5 miles east of Illinois Route 131. The existing culvert has a length of 55'-0". The existing culvert and retaining walls are to be removed. The existing culvert is to be replaced with proposed (SN 049-8300) Cast-In-Place culvert.

Traffic will be restricted to one lane for both directions.

No salvage.

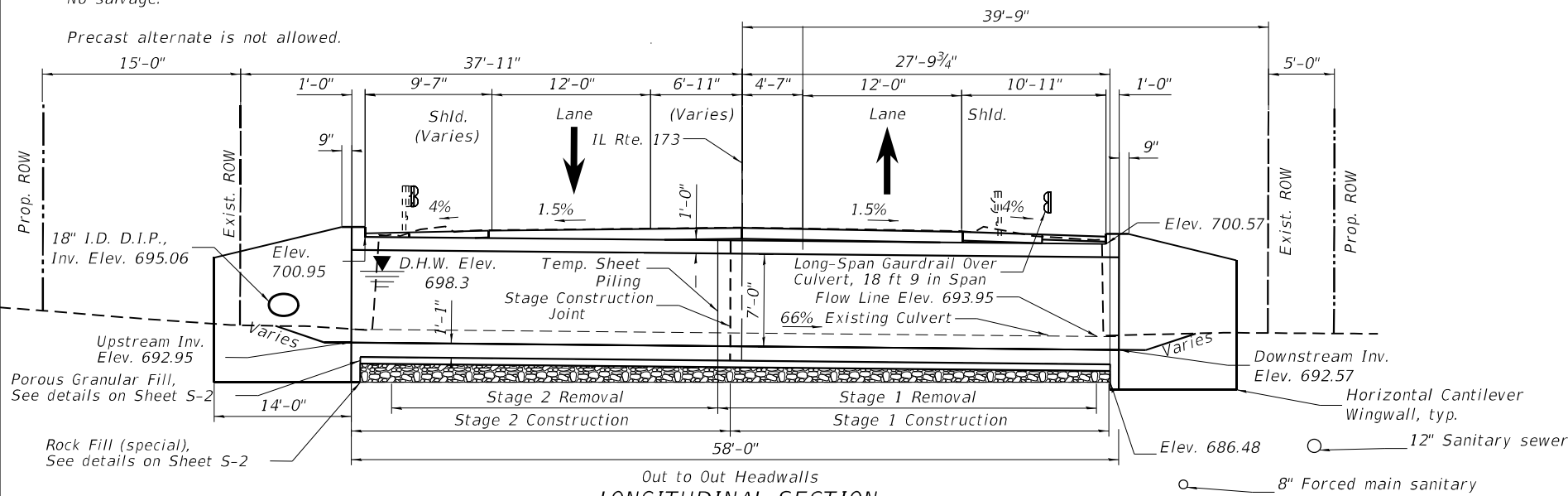
Precast alternate is not allowed.



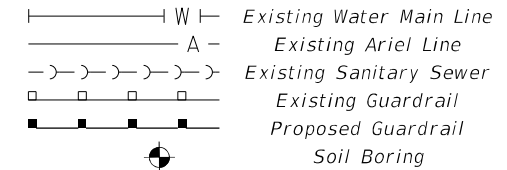
Benchmark:

BM #1  
Chiseled square in center of 10' N. Side IL 173 ± 330' E. of Lorelei Dr./Keifer Dr. ELEV 701.05

BM #2  
Chiseled square in 10' HDW. S. Side IL 173 ± 330' E. of Lorelei Dr./Keifer Dr. in W. END of HEADWALL ELEV 700.89



**LEGEND**

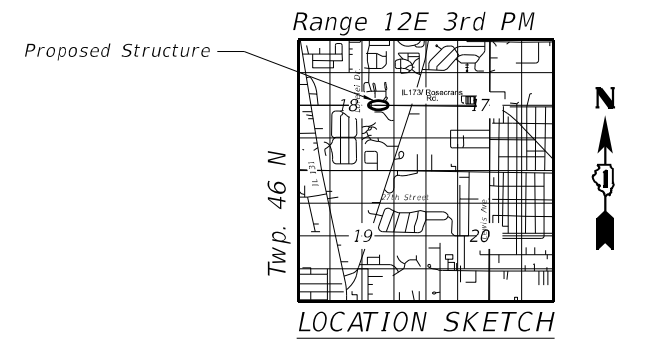
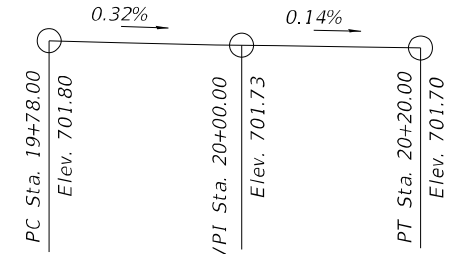
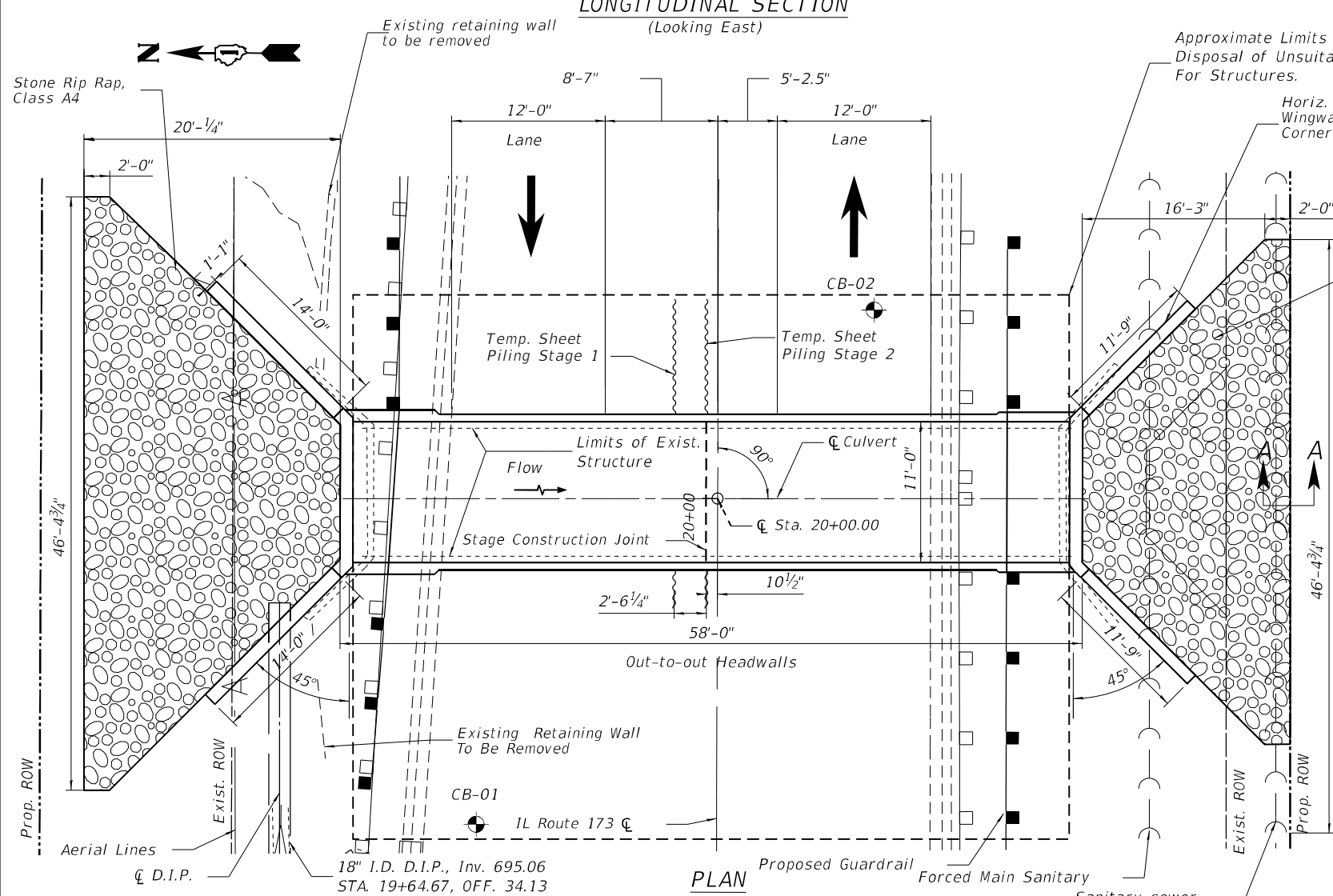


**WATERWAY INFORMATION**

Drainage Area = 467.2 acres = 0.73 Sq. Mi. Existing Overtopping Elev. = 701.70 @ Sta. 20+00  
Proposed Overtopping Elev. = 701.70 @ Sta. 20+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	119	31	34	697.0	0	0	697.0	697.0
Design	50	250	39	42	697.8	0.7	0.5	698.5	698.3
Base	100	311	43	47	698.2	1.0	0.8	699.2	699.0
Overtop Existing									
Overtop Proposed	X	X	X	X	X	X	X	X	X
Max. Calc.	500	636	50.0	55.0	698.9	3.13	3.02	702.0	701.9

2-Year Flow Rate = 62.0 ft<sup>3</sup>/s



**DESIGN SPECIFICATIONS**  
2017 IDOT, Culvert Manual  
2020 AASHTO LRFD Bridge Design Specification 9th Edition  
**LOADING HL-93**  
Allow 50#/sq. ft. for Future Wearing Surface

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

**GENERAL PLAN AND ELEVATION**  
**IL RTE. 173 OVER UNNAMED DITCH**  
**(0.5 MILE EAST OF ILLINOIS RTE. 131)**  
**F.A.P 303 RTE. 173 SEC. 22 CR**  
**LAKE COUNTY**  
**STATION 20+00.00**  
**S.N. 049-8300**

FILE NAME = 12.00016 / In.  
PLOT SCALE =  
USER NAME =

**GSG CONSULTANTS, INC.**  
735 E. REMINGTON RD, SCHAMBURG, IL 60173  
TEL: 630.994.2600 | WWW.GSG-CONSULTANTS.COM

USER NAME = AAA	DESIGNED - MA	REVISED -
PLOT SCALE = 1" = 12'	DRAWN - AN	REVISED -
PLOT DATE =	CHECKED - MA	REVISED -
	DATE - 01/15/2026	REVISED -

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

**GENERAL PLAN AND ELEVATION**  
**STRUCTURE NO. 049-8300**  
SCALE: 1"=12' SHEET NO. S-1 OF S-11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	33
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Contractor shall not scale dimensions from the contract plans for construction purposes. Scales are for information only.
3. No construction joints except those shown on the plans shall be allowed unless approved by the Engineer.
4. It shall be the Contractor's responsibility to verify the locations of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123.
5. The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except Cofferdams. This shall include the placement of run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown on the contract plans.
6. Precast Alternative is not allowed.

**TOTAL BILL OF MATERIALS**

Item	Unit	Total
REMOVAL OF EXISTING STRUCTURE	EACH	2
STRUCTURE EXCAVATION	CU. YD.	153
REINFORCEMENT BARS, EPOXY COATED	POUND	19920
BAR SPLICERS	EACH	68
TEMPORARY SHEET PILING	SQ. FT.	1070
CONCRETE BOX CULVERTS	CU. YD.	95.5
POROUS GRANULAR EMBANKMENT	CU. YD.	90
GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ.YD.	686
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU. YD.	52
ROCK FILL (SPECIAL)	CU. YD.	35
COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	2
STONE RIPRAP CLASS A4	SQ.YD.	117
FILTER FABRIC	SQ.YD.	117
MEMBRANE WATERPROOFING FOR BURIED STRUCTURES	SQ.YD.	89

**INDEX OF SHEETS**

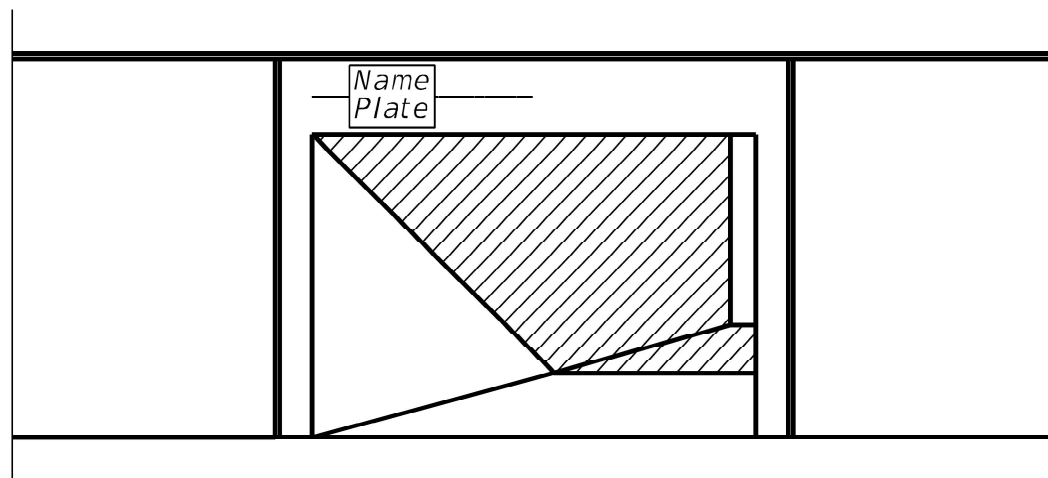
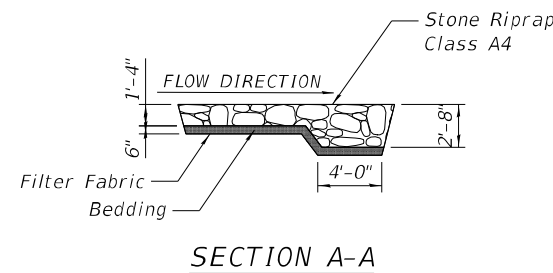
- S-1 General Plan & Elevation
- S-2 General Data
- S-3 Stage Construction
- S-4 Culvert Details I
- S-5 Culvert Details II
- S-6 Culvert Details III
- S-7 Bar Splicer Assembly Details
- S-8 Soil Borings
- S-9 Existing Plans - I
- S-10 Existing Plans - II
- S-11 Existing Plans - III

**LIST OF ABBREVIATIONS**

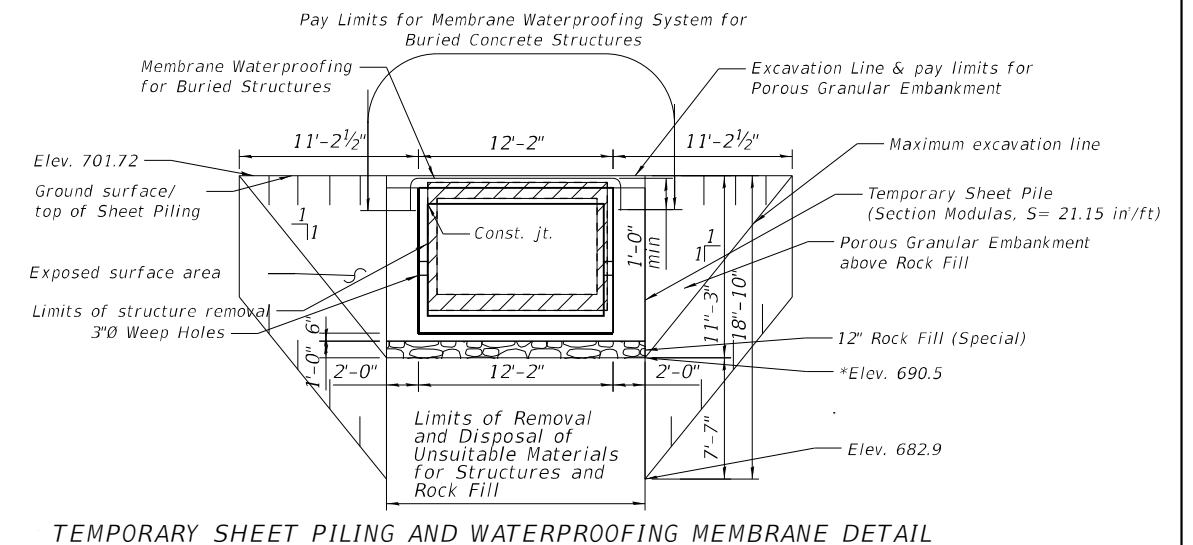
℄	Baseline	B.F.	Back Face
℄	Centerline	cl.	Clearance
const.	Constant	CUL	Culvert
E.F.	Each Face	∅	Diameter
exist.	Existing	elev.	Elevation
F.F.	Front Face	℄	Flow Line
jt.	Joint	I.F.	Inside Face
max.	Maximum	long.	Longitudinal
no.	Number	min.	Minimum
PGL	Profile Grade Line	O.F.	Outside Face
req'd.	Required	prop.	Proposed
shld. Off.	Shoulder Offset	rte.	Route
sect.	Section	spa.	Spaces
spec.	Specification	sta.	Station
std.	Standard	struct.	Structure
typ.	Typical	D.I.P	Ductile Iron Pipe
ROW	Right of way		
I.D.	Inside Diameter		

Station 20+00.00  
Built 2026 BY  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
LOADING HL-93  
STRUCTURE NO. 049-8300

**NAME PLATE**  
See Std. 515001



**NAME PLATE LOCATION**



\* Elevation shown is the expected bottom of over-excavation for unsuitable material.

FILE NAME = 12.00001 / In.  
PLOT SCALE =  
USER NAME =

**GSG CONSULTANTS, INC.**  
735 E. REMINGTON RD., SCHAMBURG, IL 60173  
TEL: +1630.994.2600 | WWW.GSG-CONSULTANTS.COM

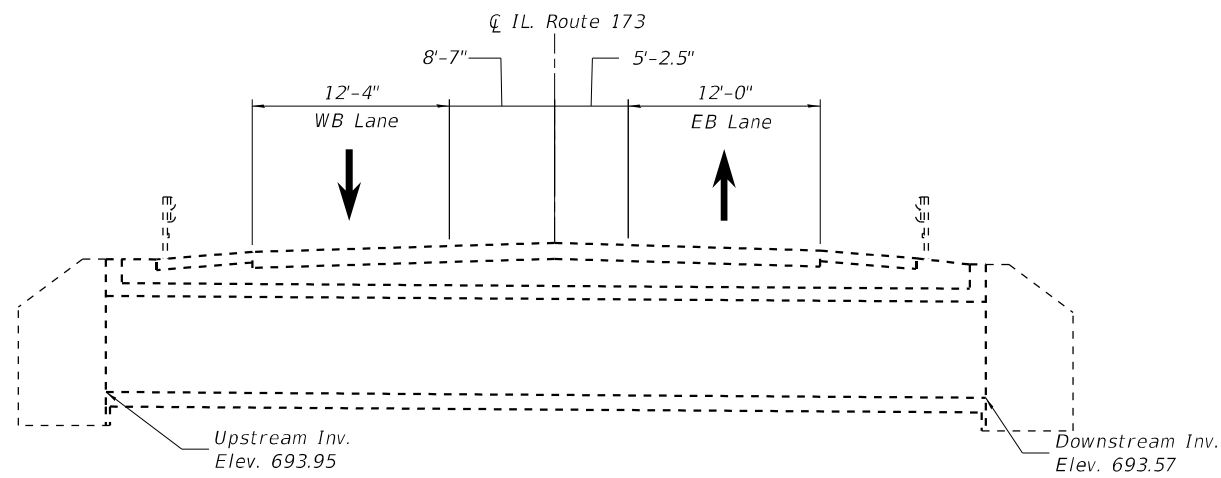
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DRAWN - AN	REVISED -	
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PLOT DATE =	DATE - 01/15/2026	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

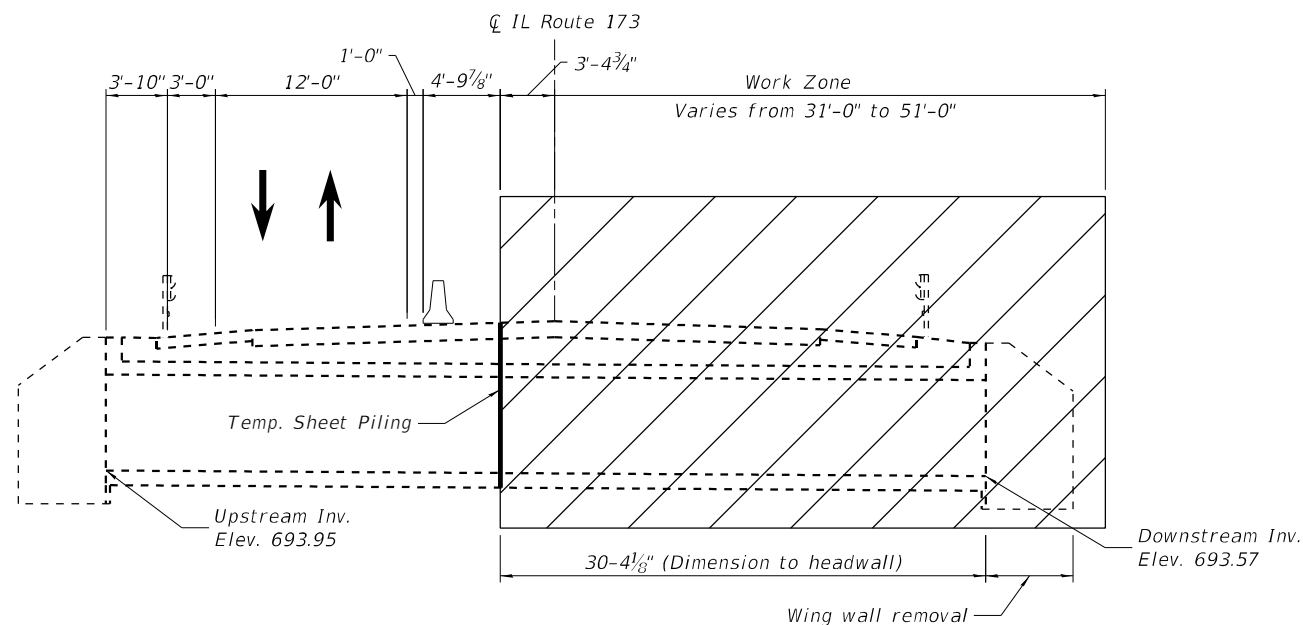
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STRUCTURE NO. 049-8300**

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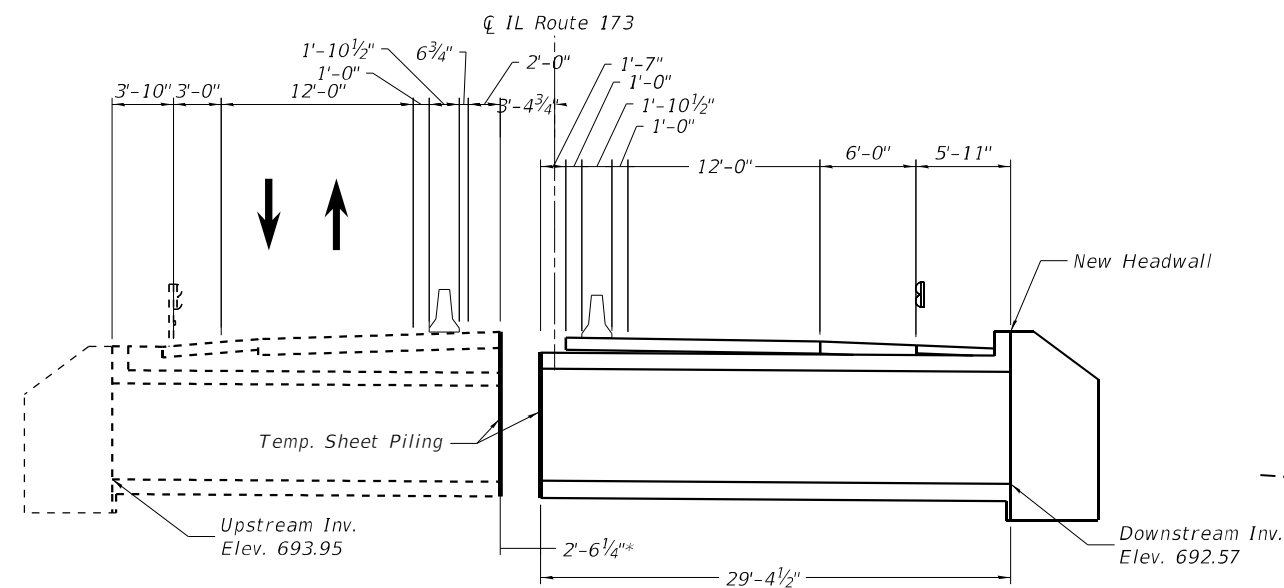
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303	FAP 0303 22 CR	LAKE	58	34
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T82	



Prestage (Looking East)

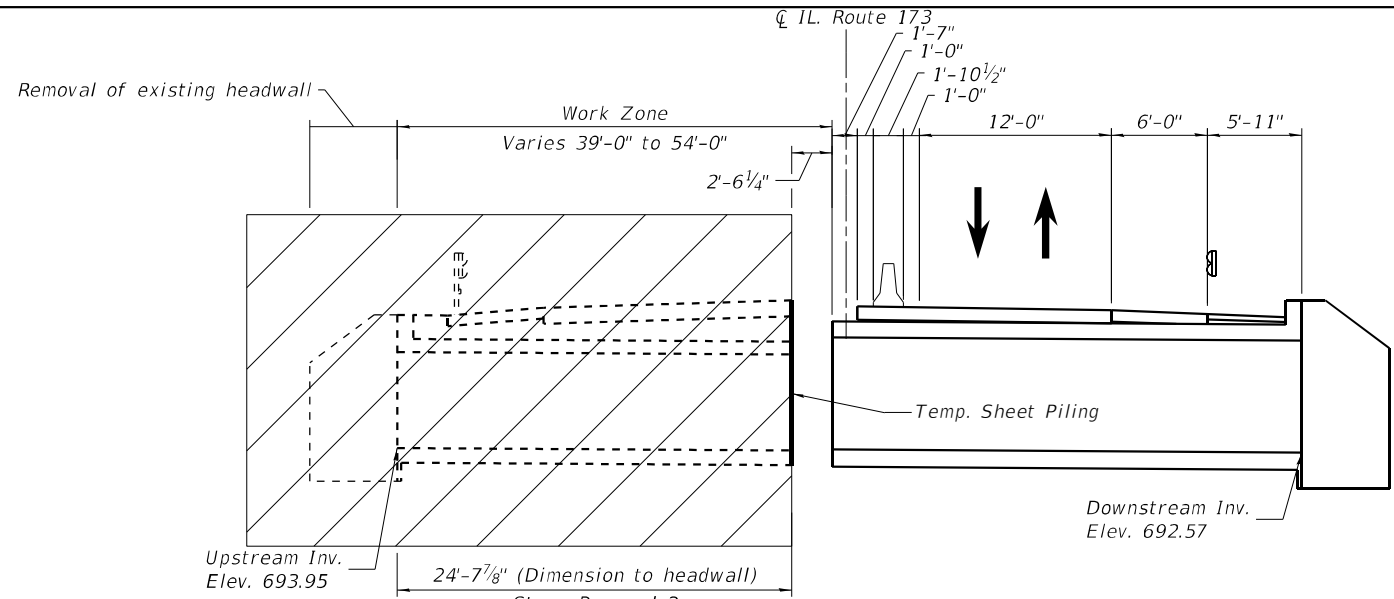


Stage 1 Removal (Looking East)

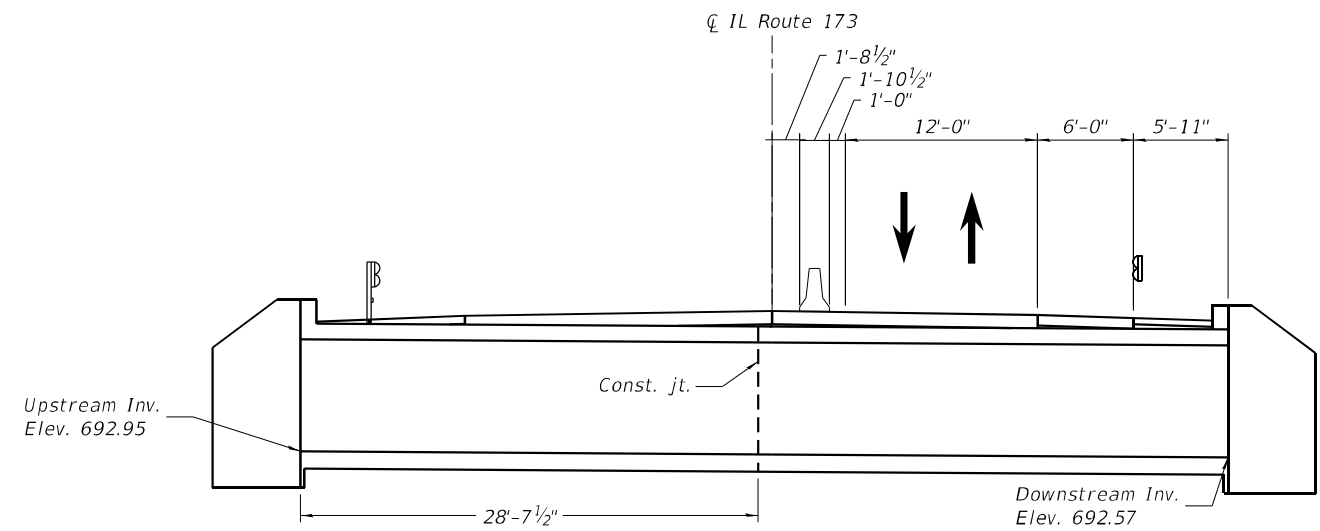


Stage 1 Construction (Looking East)

\* Spacing between construction line and removal

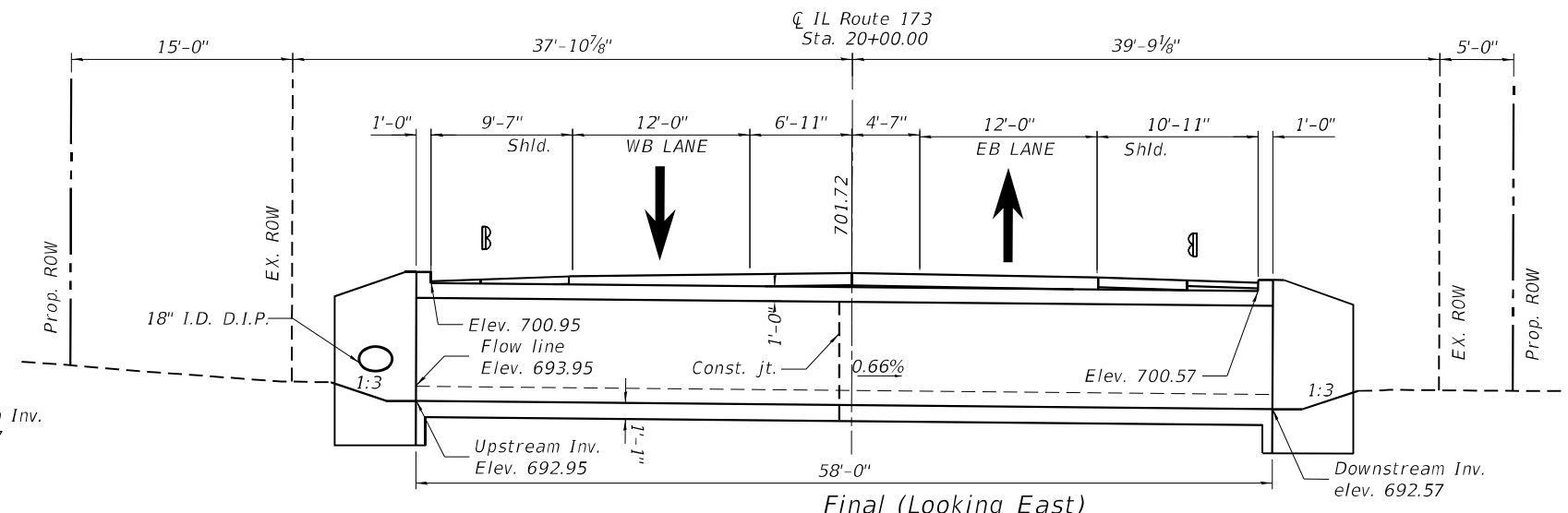


Stage 2 Removal (Looking East)



Stage 2 Construction (Looking East)

Proof-roll subgrade; undercut additional yielding zones at no extra cost.



Final (Looking East)

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USER NAME =



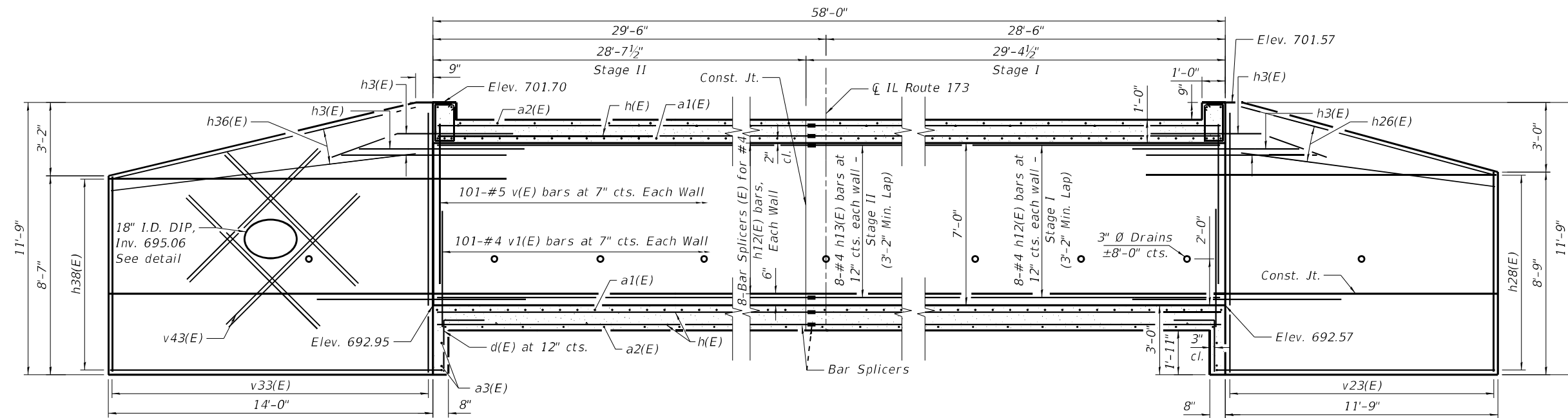
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PLOT DATE =	CHECKED - MA	REVISED -
	DATE - 01/15/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

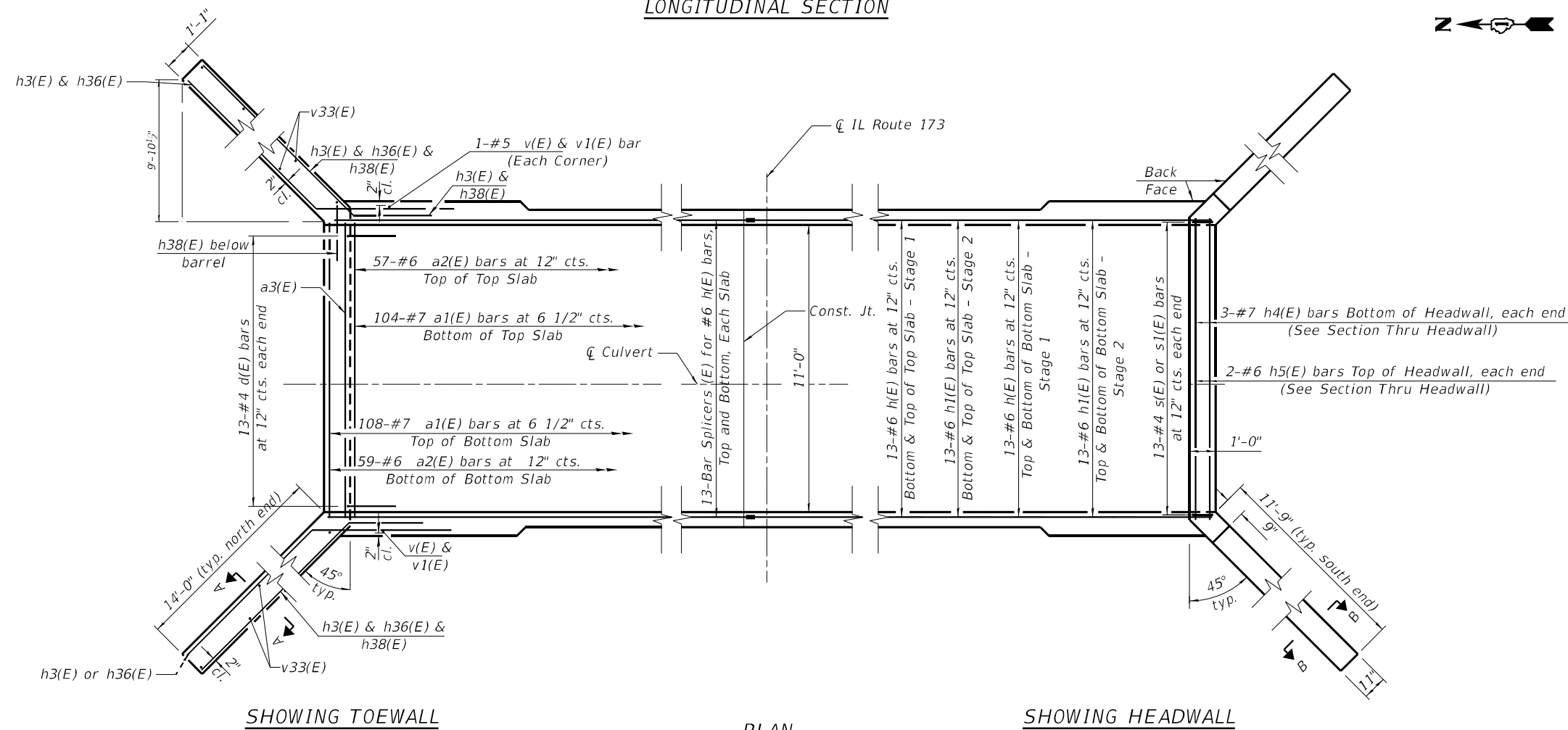
STAGE CONSTRUCTION  
STRUCTURE NO. 049-8300

SCALE: 1"=12' SHEET NO. S-3 OF S-11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	35
CONTRACT NO. 62T82				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LONGITUDINAL SECTION



SHOWING TOEWALL

PLAN

SHOWING HEADWALL

Notes:

For A-A, see sheet S-6. For B-B, see Sheet S-5.  
 A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.  
 Bars indicated thus 13 x 2-#6 etc. indicates 13 lines of bars with 2 lengths per line.  
 At the Contractor's option, a longer v1 bar may be ordered to replace the v bar. No reduction in quantities shall be made for this substitution.

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 USER NAME = ...



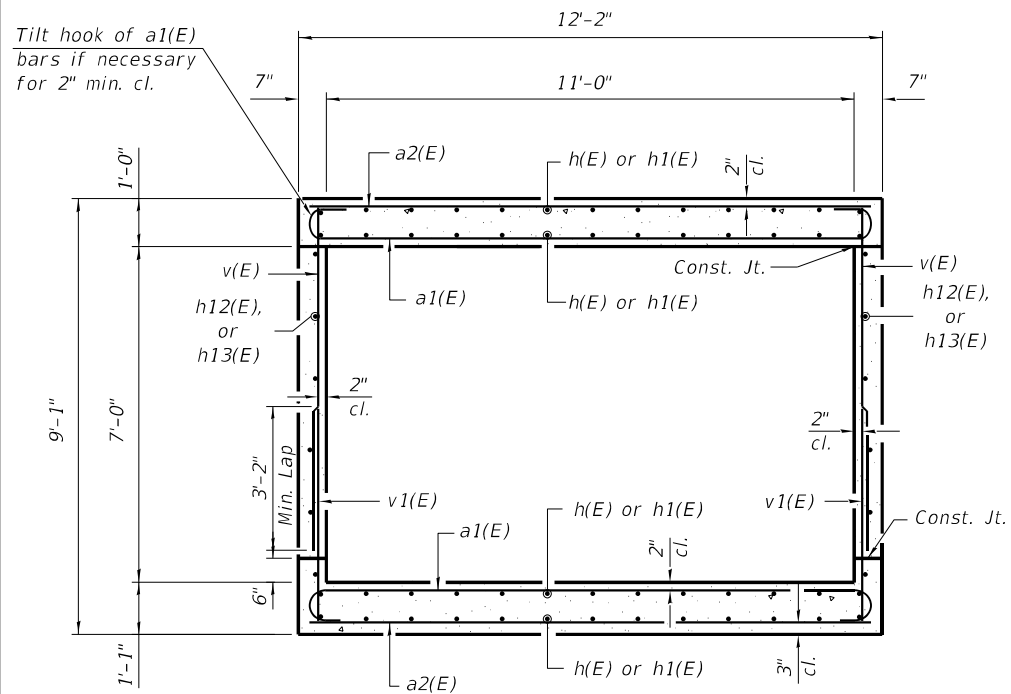
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	DRAWN - AN	REVISED -
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PLOT DATE =	DATE - 01/15/2026	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS I  
 STRUCTURE NO. 049-8300

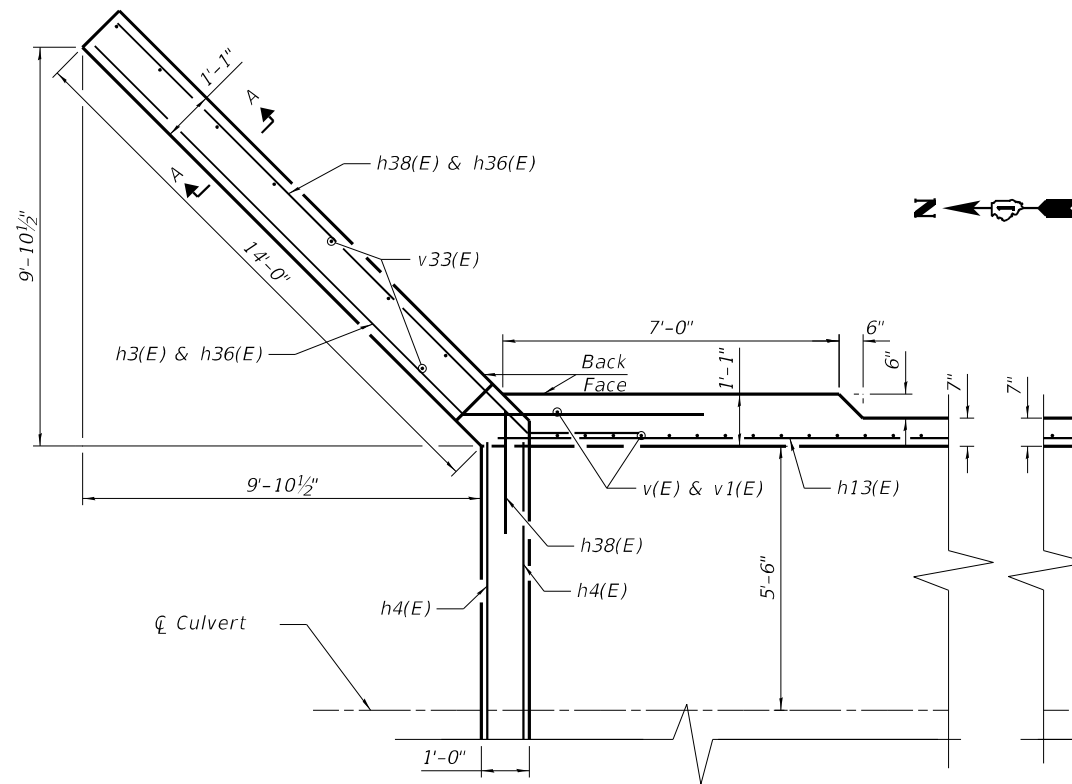
SCALE: 1" = 6' SHEET NO. S-4 OF S-11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62T82			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



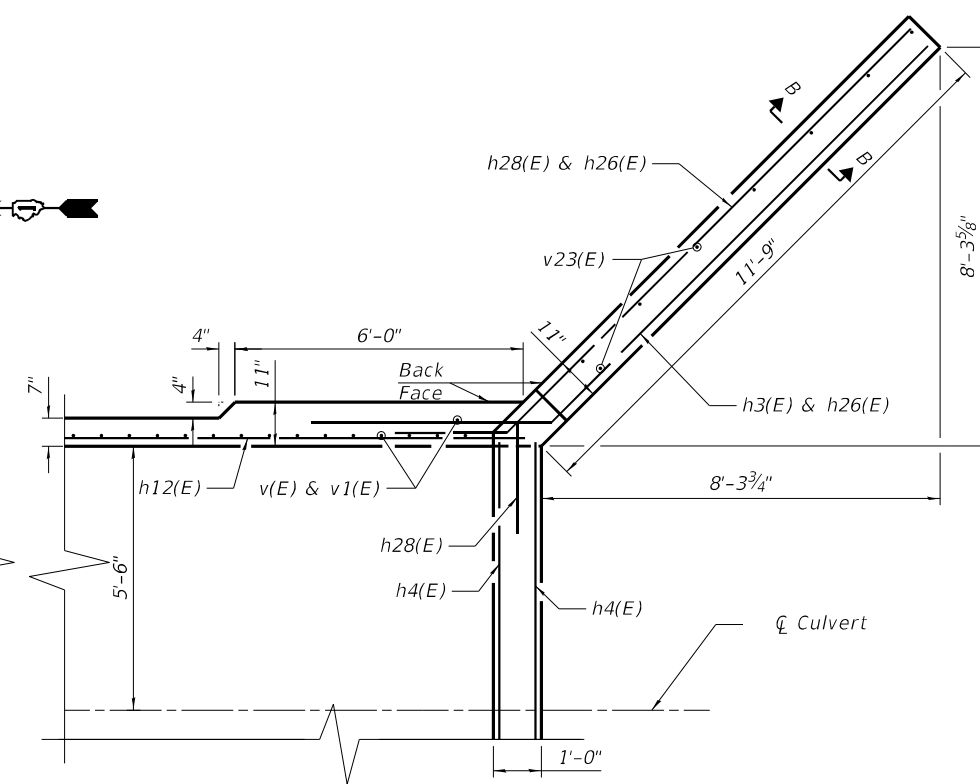
**SECTION THRU BARREL**

Existing soils between -5 to -15 ft (CB-01) & -4 to -10 ft (CB-02) to be excavated and replaced.



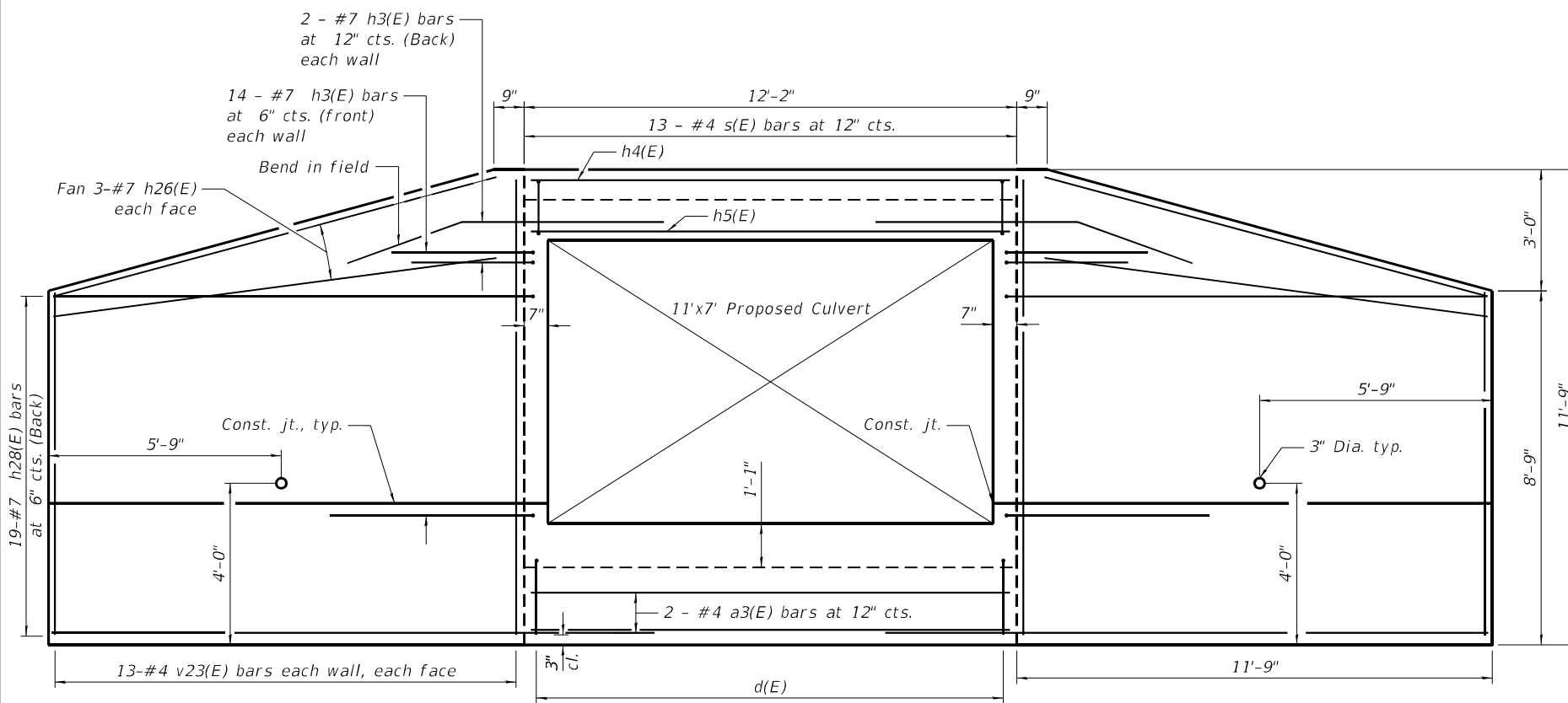
**NORTHEAST WINGWALL PLAN**

Northwest wingwall opposite hand

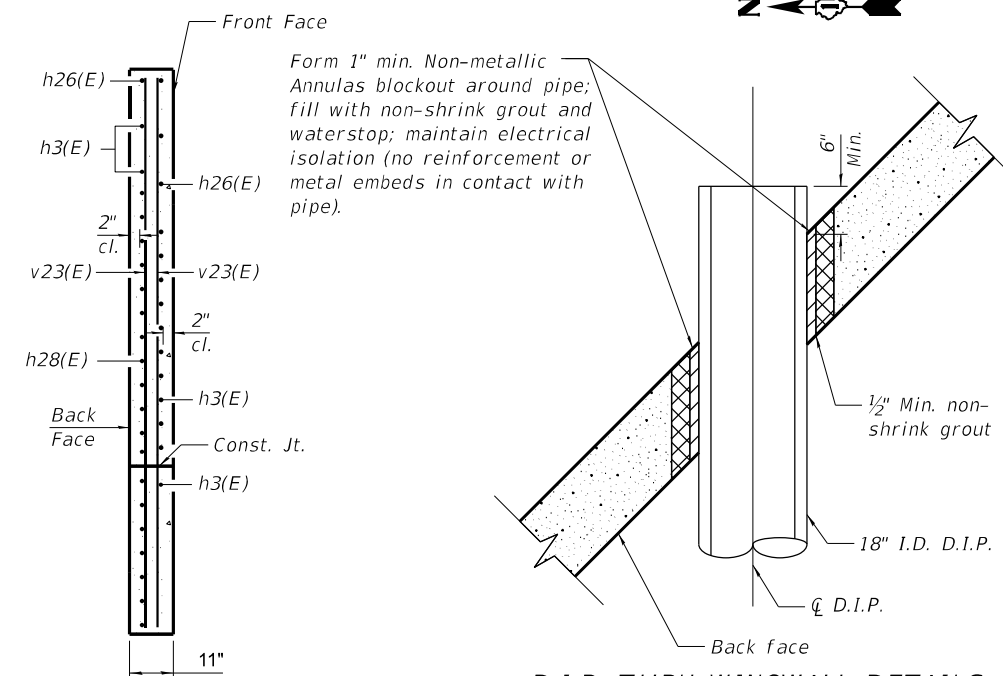


**SOUTHEAST WINGWALL PLAN**

Southwest wing wall opposite hand



**WINGWALL ELEVATION - SOUTH END**



**D.I.P. THRU WINGWALL DETAILS**

**SECTION B-B**

See sheet 4 for location of cut

FILE NAME = SFILES  
PLOT SCALE = 2.0" = 1'-0"  
USER NAME =



USER NAME = AAA	DESIGNED - MA	REVISED - -
PLOT SCALE = 1" = 4'	DRAWN - AN	REVISED - -
PLOT DATE =	CHECKED - MA	REVISED - -
	DATE - 08/01/2025	REVISED - -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS II  
STRUCTURE NO. 049-0522**

SCALE: .1" = 4' SHEET NO. 5 OF S-11 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE. 303	SECTION FAP 0303 22 CR	COUNTY LAKE	TOTAL SHEETS 58	SHEET NO. 37
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 62T82	
FED. AID PROJECT				



# FOR INFORMATION ONLY

1L173

Culvert Extension 719+60 10'x6' 049-0522  
 Culvert Extension 681+45 6'x6' 049-0521

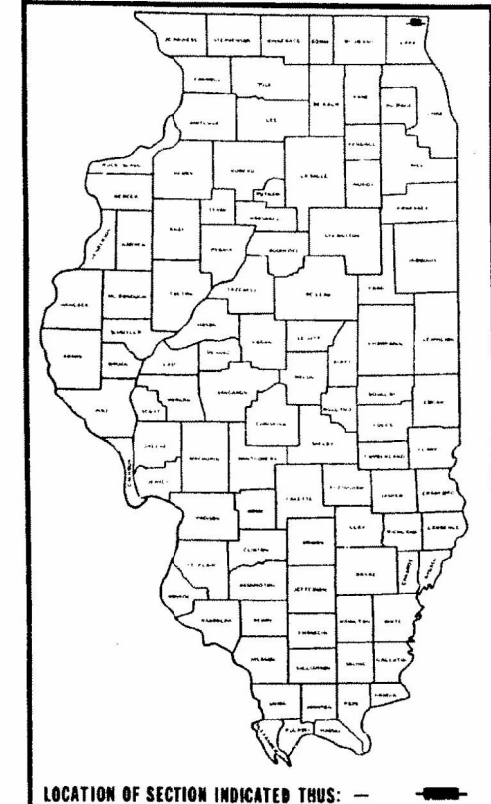
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

## PLANS FOR PROPOSED FEDERAL AID HIGHWAY



ROUTE	SECTION	COUNTY	TOTAL SHEETS
EA 202	136 W&RS	LAKE	151
PROJECT F.A. NO. 547 (1)			

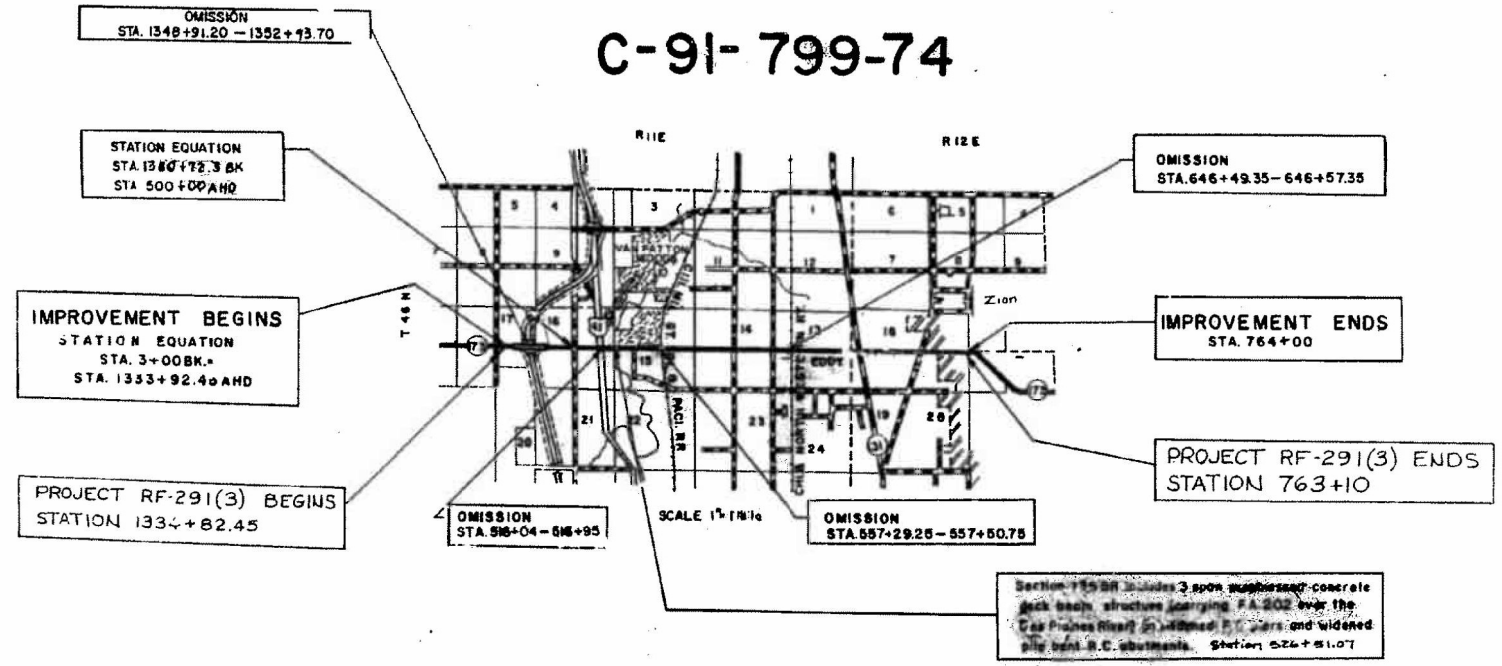
P-91-712-70



INDEX OF SHEET  
 SEE SHEET NO. 4

F.A. ROUTE 202, (ILL. ROUTE 173)  
 SECTION 136 W&RS-1&136 BR  
 PROJECT NO. RF-291(3)  
 LAKE COUNTY.

C-91-799-74



GROSS LENGTH - 31,079.85 LIN. FT. = 8.00 MILES  
 NET LENGTH - 29,854.85 LIN. FT. = 7.79 MILES  
 PROJECT LENGTH - 33,876.85 LIN. FT. = 8.76 MILES

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED APRIL 8 1975  
 ESTABLISHED May 15 1975  
 PASSED May 15 1975  
 APPROVED May 15 1975

*Edmund C. Dziemski*  
 CIVIL ENGINEER

*Thomas B. Bright*  
 ENGINEER OF DESIGN

*[Signature]*  
 DIRECTOR OF HIGHWAY

U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
 DIVISION ENGINEER

CONTRACT NO. 30805

LAKE COUNTY SECTION 136 (W&RS-1) F. A. ROUTE 202 (ILL. 173)

PROJECT GROUP ONE, ELGIN

LARRY SORENSON

FILE NAME = SFILES  
 PLOT SCALE = 0.0286 / in.  
 USER NAME =

GSG CONSULTANTS, INC.  
 735 E. REMINGTON RD., SCHLAUSBURG, IL 60173  
 TEL: 4150.994.2600 | WWW.GSG-CONSULTANTS.COM

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN - AC	REVISED -
PLOT DATE =	CHECKED - AAA	REVISED -
	DATE - 09/27/2024	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS - III  
 STRUCTURE NO. 049-0522

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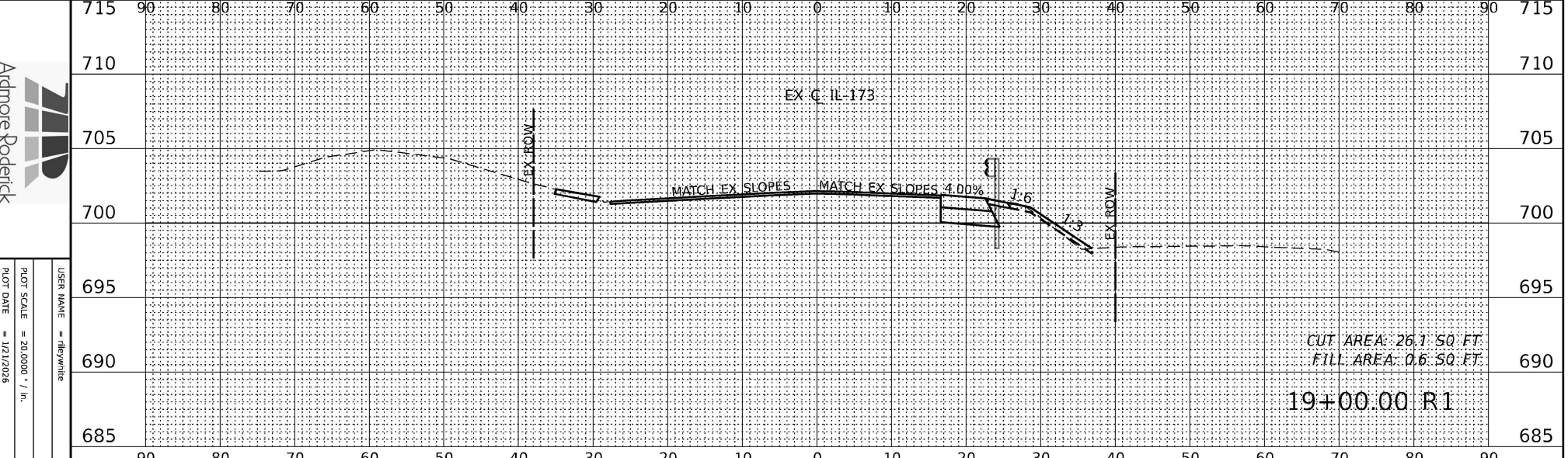
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				CONTRACT NO. 62T82

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

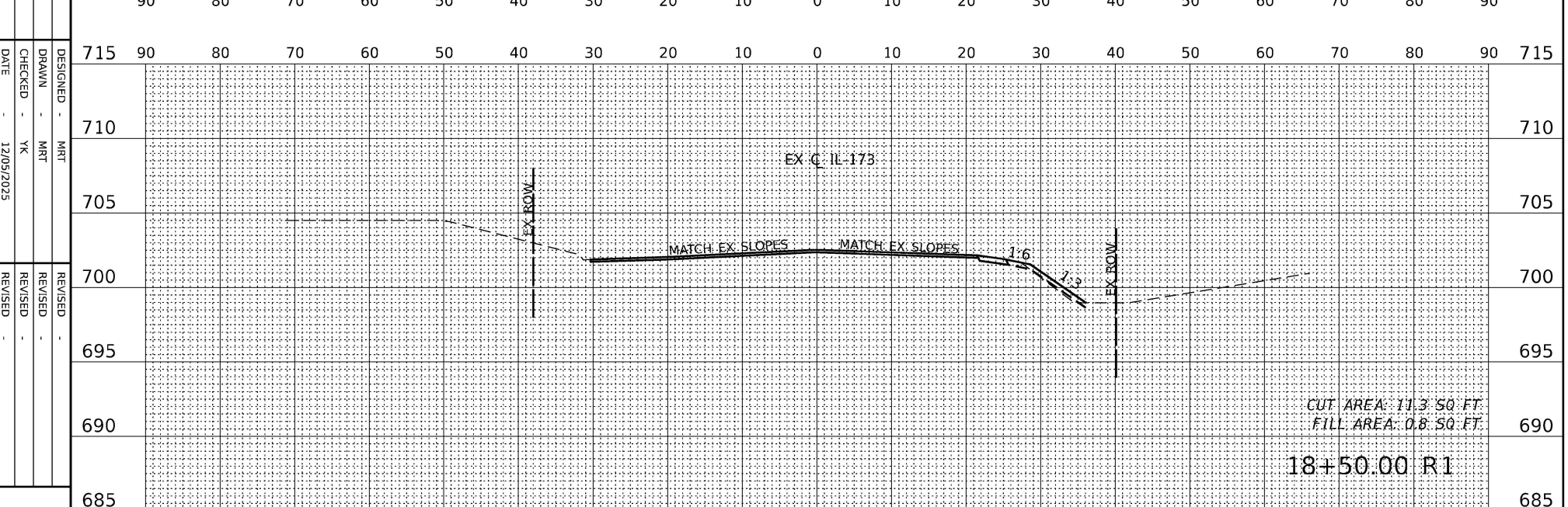
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	AREAS		
	AREAS CHECKED		
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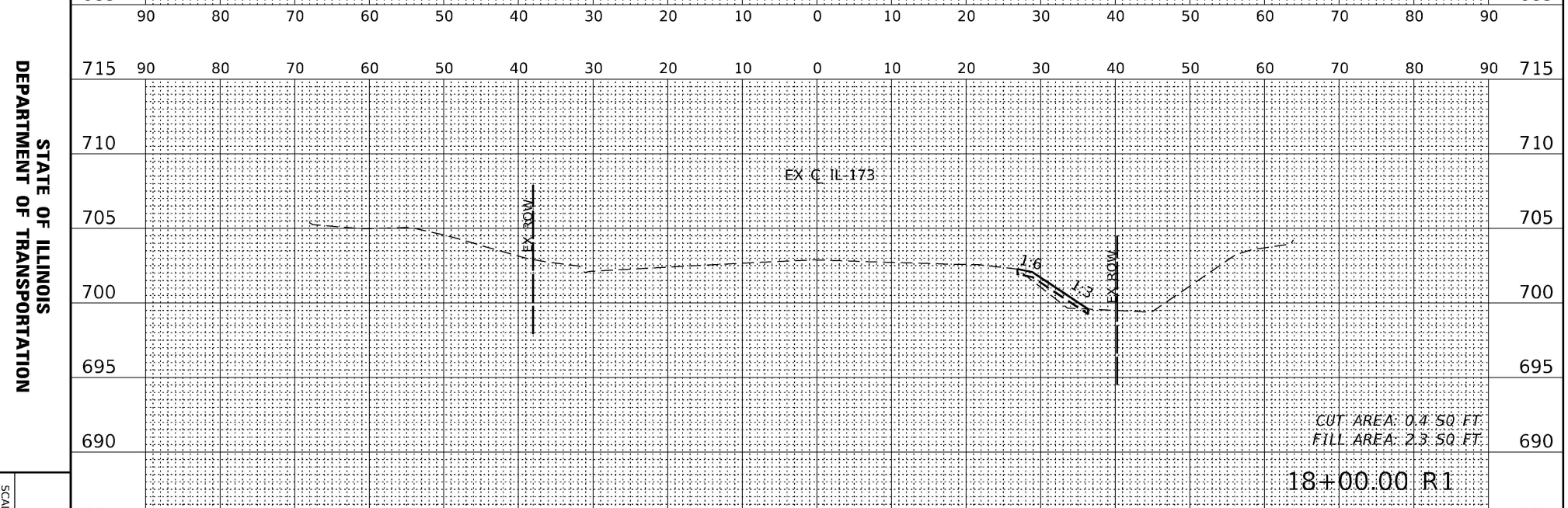
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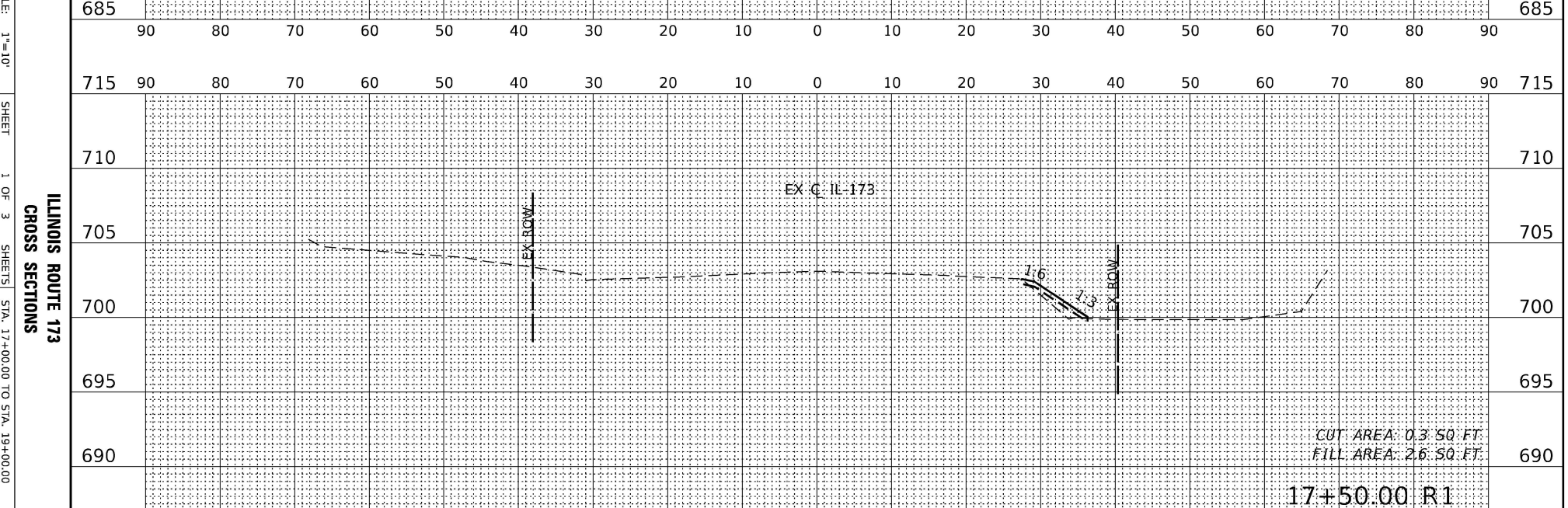
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 FILL AREA: 0.6 SQ. FT.  
 19+00.00 R1



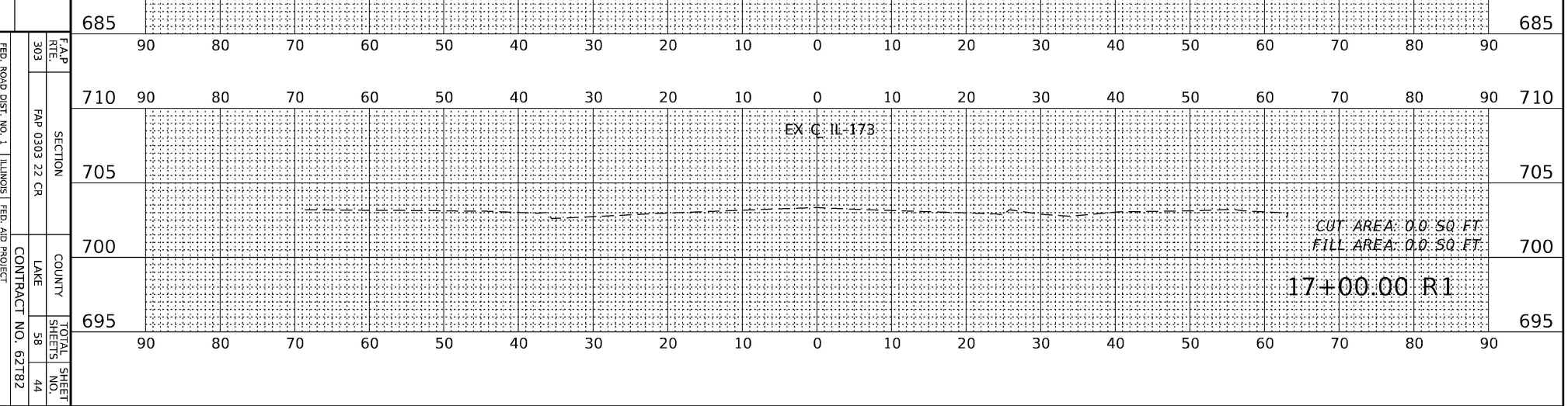
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 FILL AREA: 0.8 SQ. FT.  
 18+50.00 R1



CUT AREA: 0.4 SQ. FT.  
 FILL AREA: 2.3 SQ. FT.  
 18+00.00 R1



CUT AREA: 0.3 SQ. FT.  
 FILL AREA: 2.6 SQ. FT.  
 17+50.00 R1



CUT AREA: 0.0 SQ. FT.  
 FILL AREA: 0.0 SQ. FT.  
 17+00.00 R1

Ardmore Ponderick

DESIGNED - MRT  
 DRAWN - MRT  
 CHECKED - YK  
 DATE - 12/05/2023

REVISOR -  
 REVISION -  
 REVISOR -  
 REVISION -

SCALE: 1"=10'  
 SHEET 1 OF 3 SHEETS STA. 17+00.00 TO STA. 19+00.00

ILLINOIS ROUTE 173  
 CROSS SECTIONS  
 FAP 0303 22 CR  
 COUNTY LAKE  
 CONTRACT NO. 62782

TOTAL SHEET NO. 44

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	AREAS		
	AREAS CHECKED		

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 CHECKED - YK  
 DATE - 12/05/2023

DESIGNED - MRT  
 DRAWN - MRT  
 CHECKED - YK  
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REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

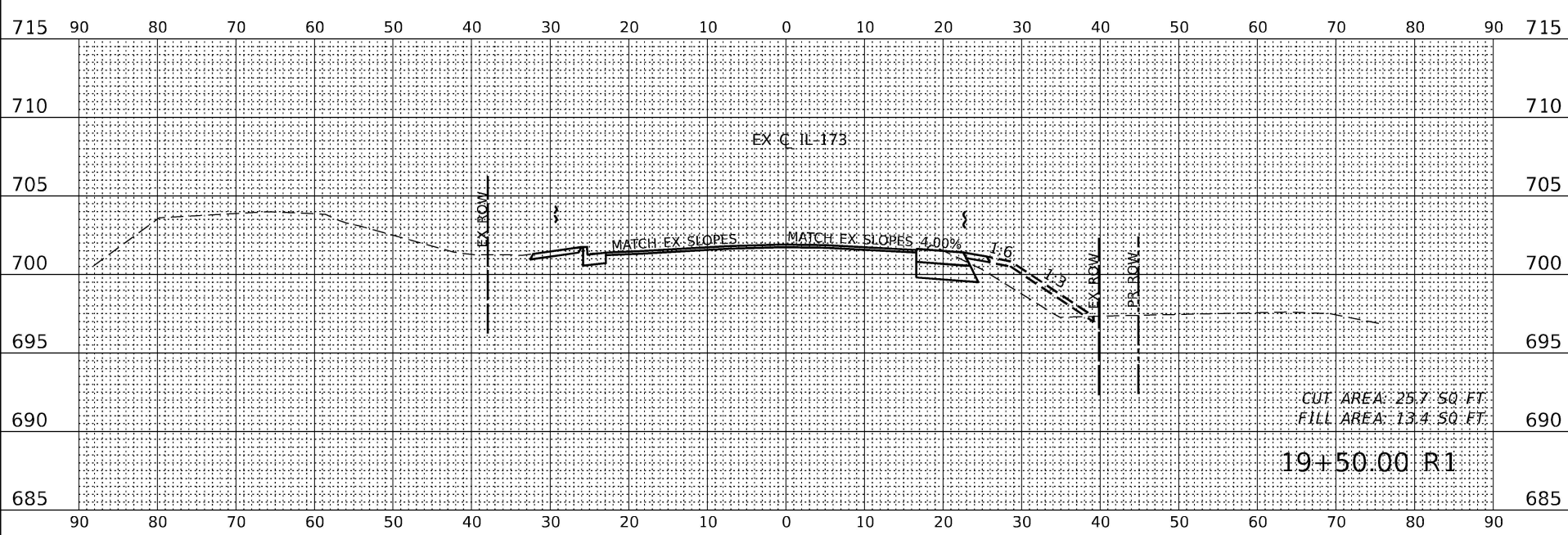
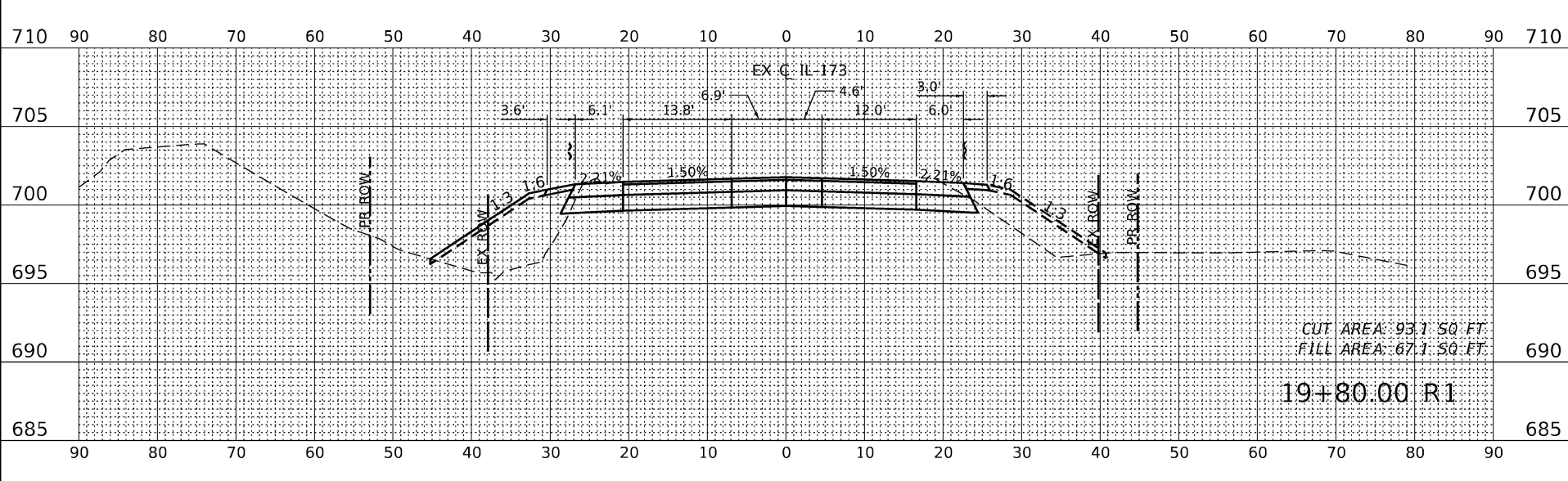
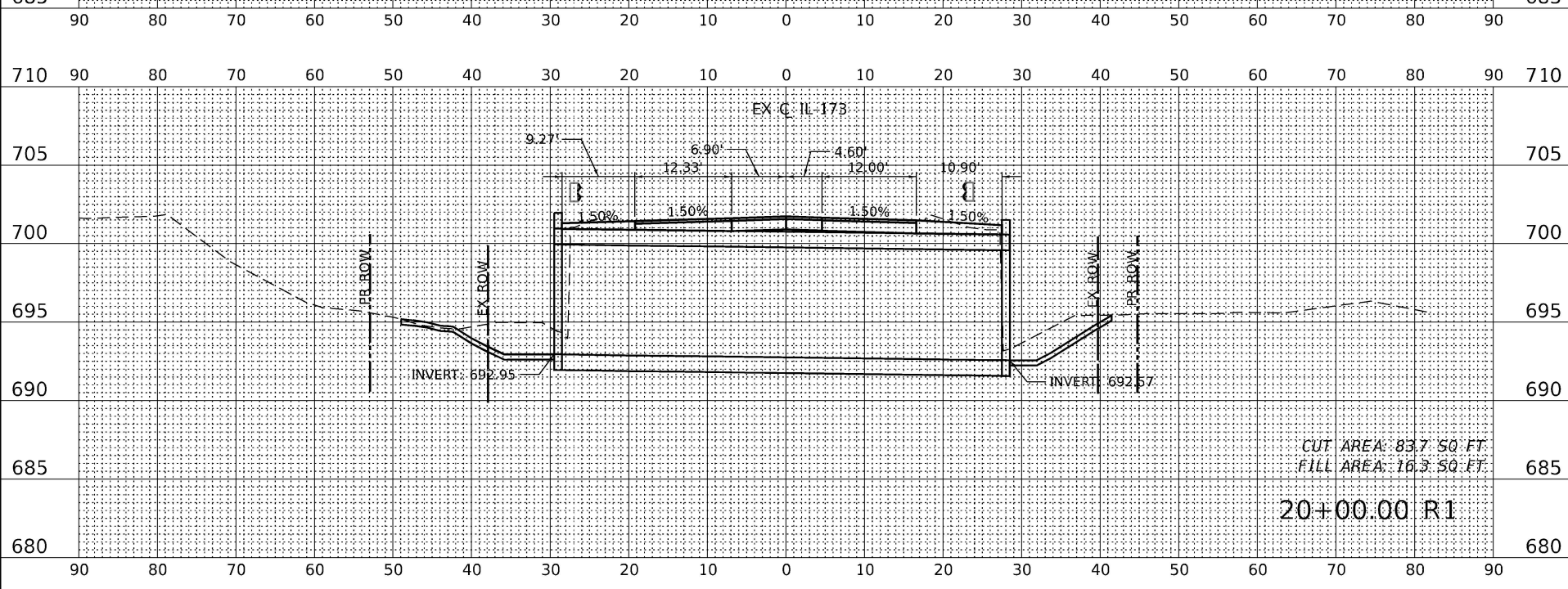
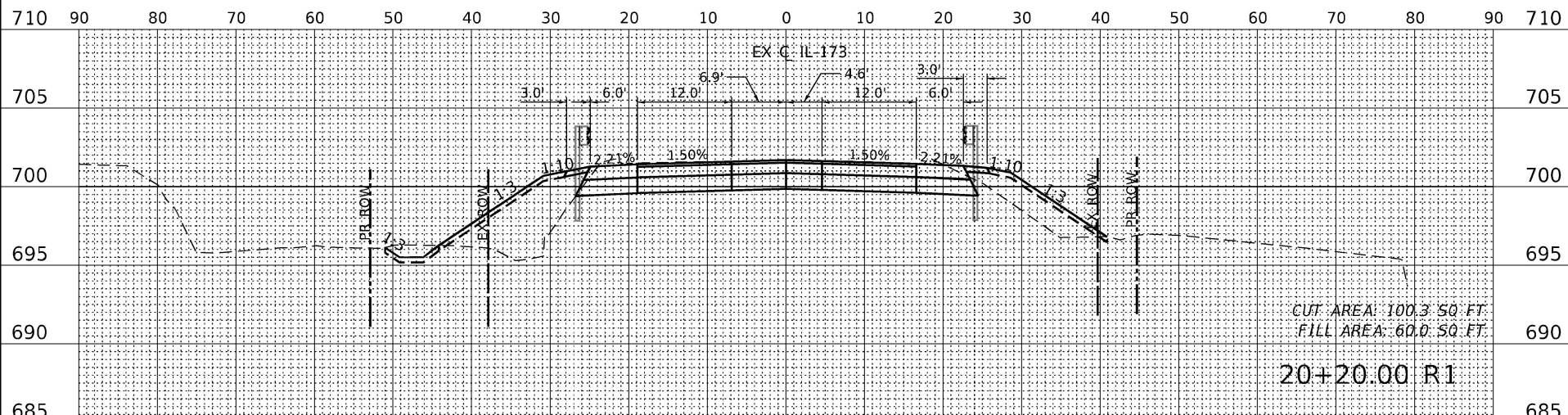
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SHEET 2 OF 3

ILLINOIS ROUTE 173  
 CROSS SECTIONS

STA. 19+50.00 TO STA. 20+20.00

F&P SHEET NO. 303  
 SECTION F&P 0303 22 CR  
 COUNTY LAKE  
 CONTRACT NO. 62782



ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
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 PLOT DATE = 1/21/2026

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 CHECKED - YK  
 DATE - 12/05/2023

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 REVISED -  
 REVISED -

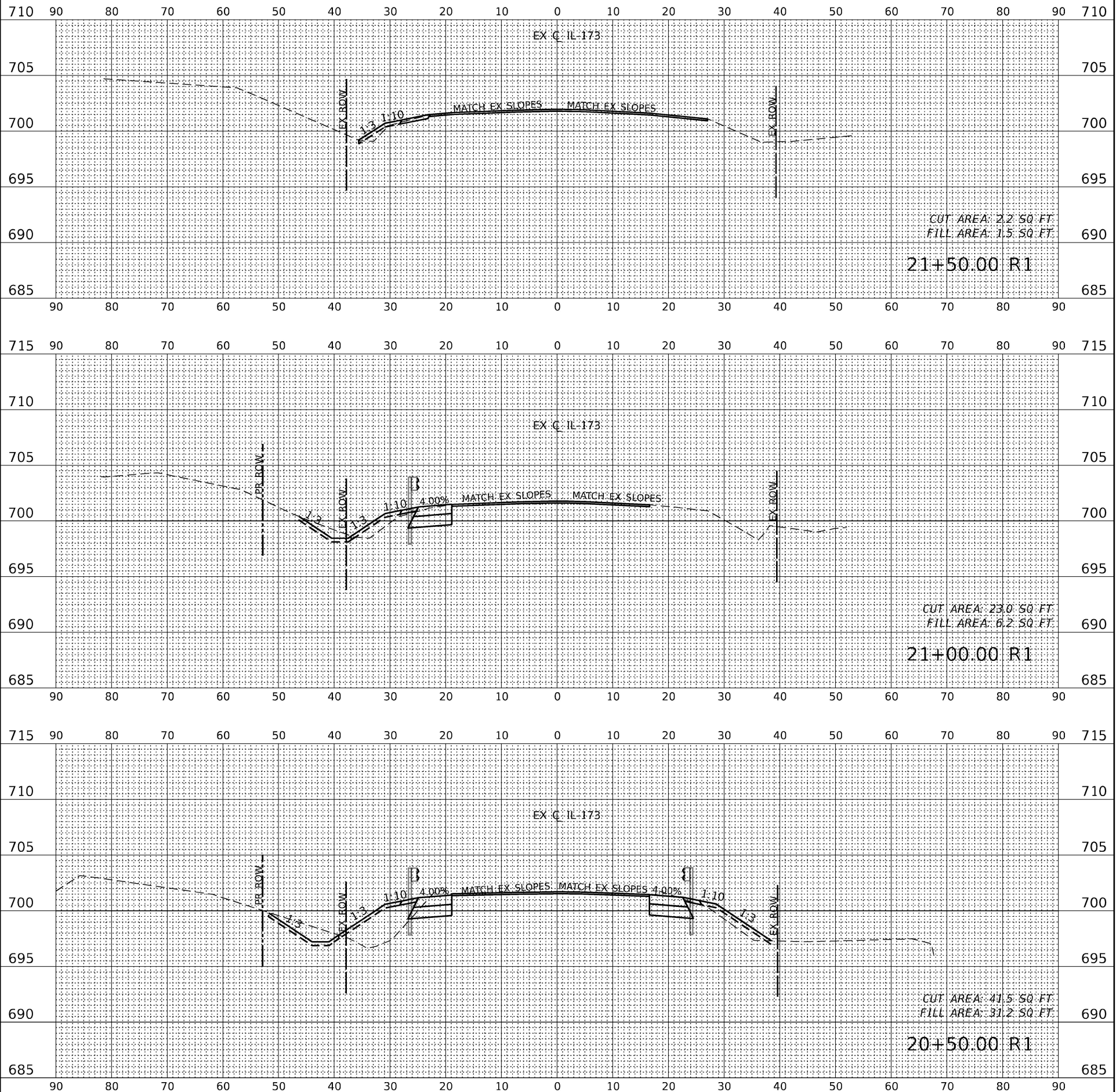
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

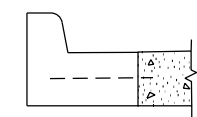
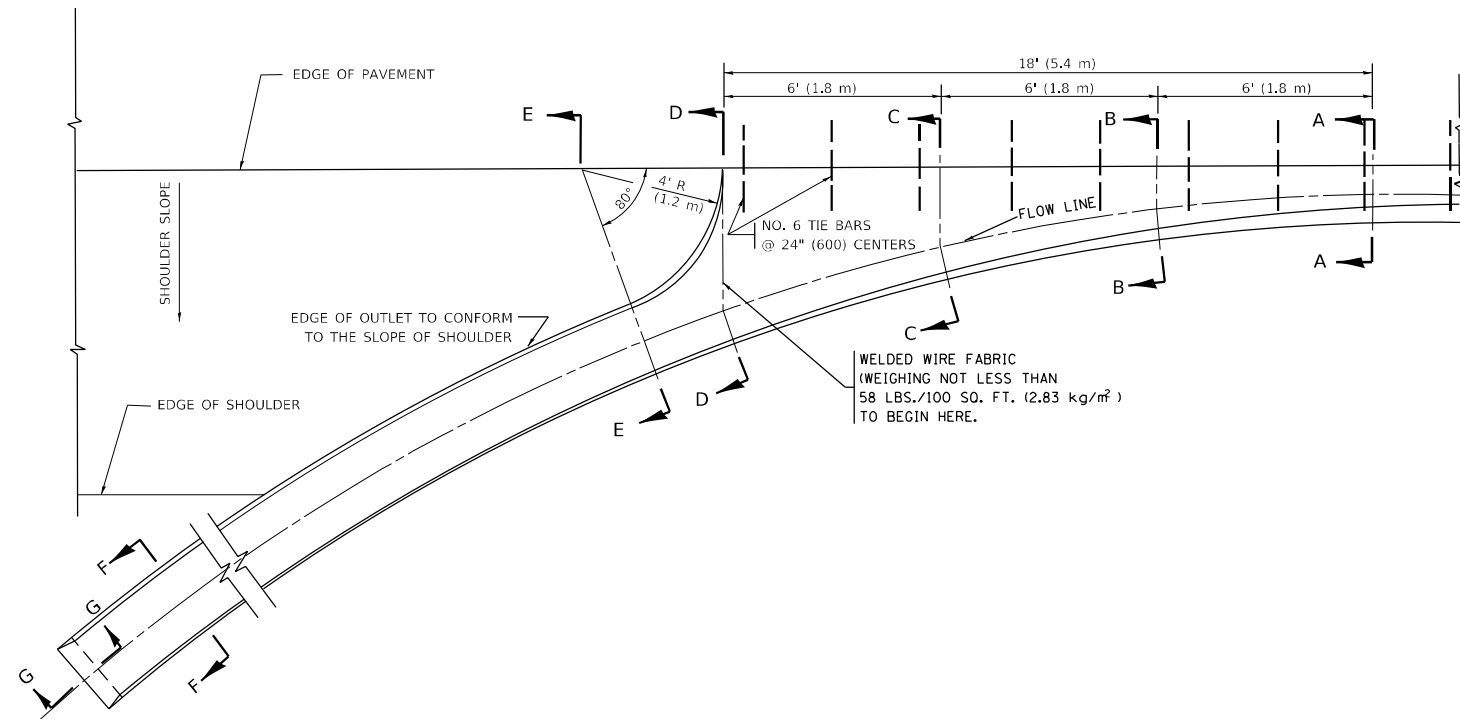
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SHEET 3 OF 3

ILLINOIS ROUTE 173  
 CROSS SECTIONS

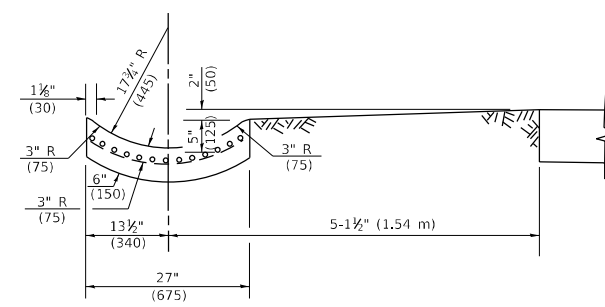
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 CONTRACT NO. 62782  
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



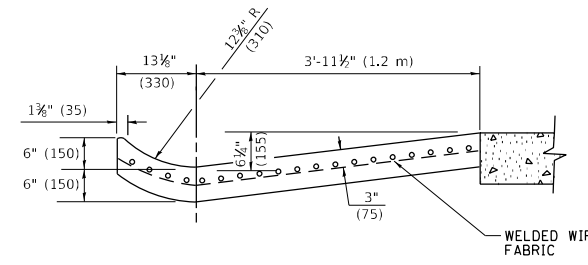


**SECTION A-A** \*

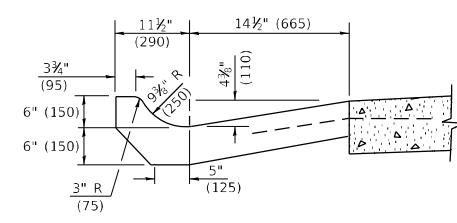
\* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



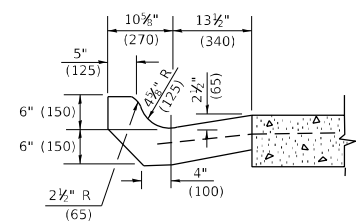
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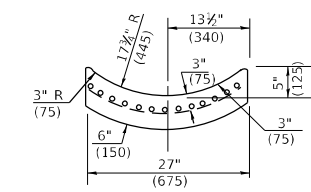
**SECTION D-D**



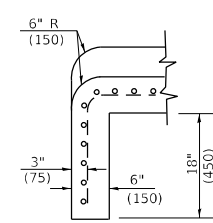
**SECTION C-C**



**SECTION B-B**



**SECTION F-F**



**SECTION G-G**

**GENERAL NOTES**

- GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.
- TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.
- IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

**METHOD OF MEASUREMENT**

FOR SECTION A-A TO E-E AND CURTAIN WALL=  
 1.25 CU. YDS. (0.96<sup>3</sup>m ) CLASS SI CONCRETE (OUTLET) FOR 9" (225) PAV'T,  
 1.27 CU. YDS. (0.96<sup>3</sup>m ) CLASS SI CONCRETE (OUTLET) FOR 10" (250) PAV'T.  
 FOR SECTION F-F=  
 0.045 CU. YDS. (0.03<sup>3</sup>m ) CLASS SI CONCRETE PER FT. (m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
	DRAWN -	REVISED - E. GOMEZ 12-21-00
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PLOT DATE = 11/18/2022	DATE - 08-04-86	REVISED - K. SMITH 11-18-22

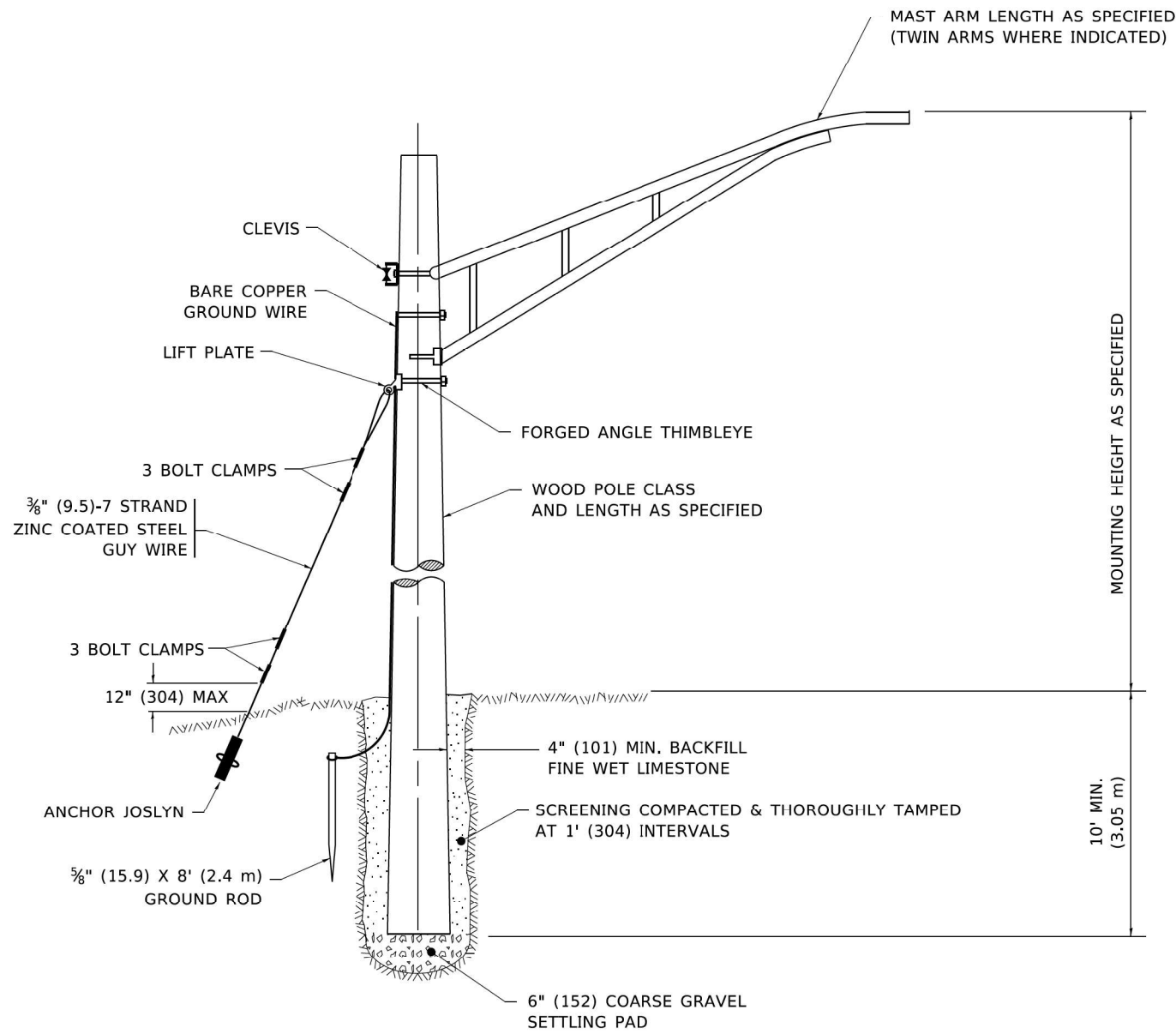
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**OUTLET FOR CONCRETE  
 CURB AND GUTTER**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>BD600-01 (BD-03)</b>		CONTRACT NO. 62T82		
ILLINOIS FED. AID PROJECT				

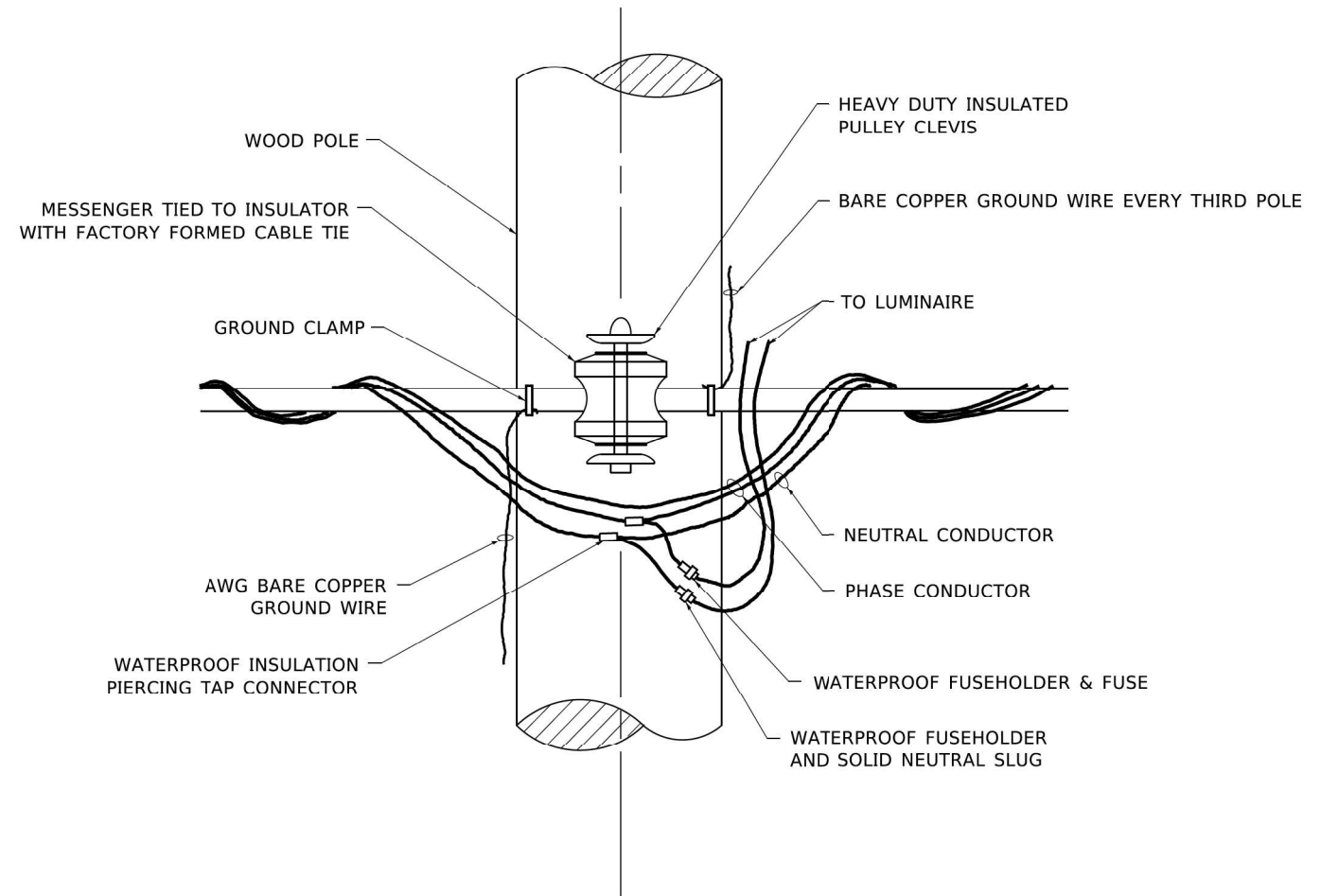




### TEMPORARY LIGHT POLE DETAIL

**NOTE:**

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



### TEMPORARY LIGHT POLE ATTACHMENT DETAIL

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	DRAWN -	REVISED - R.T. 07-26-16
PLOT SCALE = 50.0010' / h.	CHECKED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

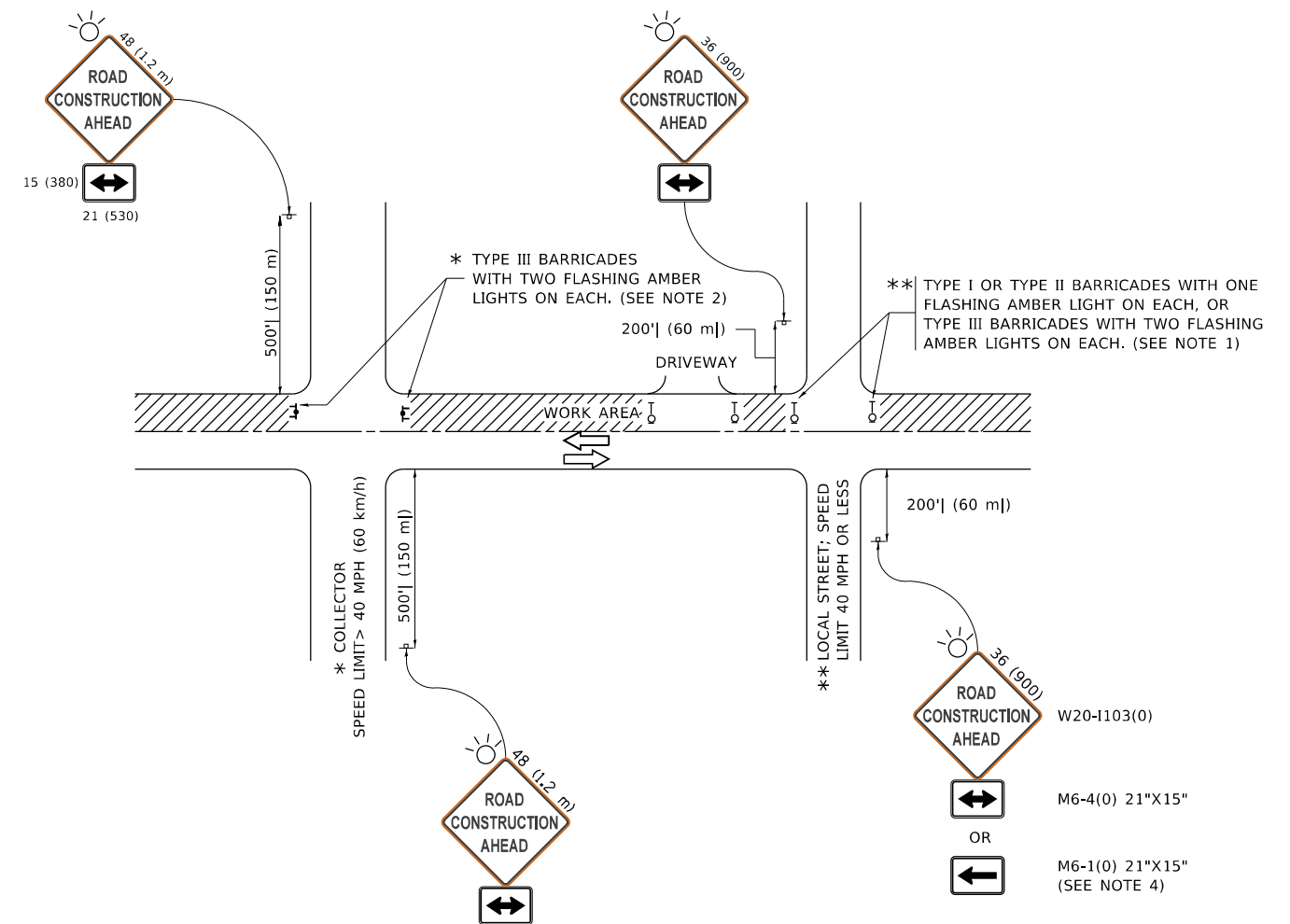
<b>TEMPORARY LIGHT POLE DETAILS</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE. 303	SECTION FAP 0303 22 CR	COUNTY LAKE	TOTAL SHEETS 58	SHEET NO. 49
<b>BE-800</b>		CONTRACT NO. 62T82		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				









**NOTES:**

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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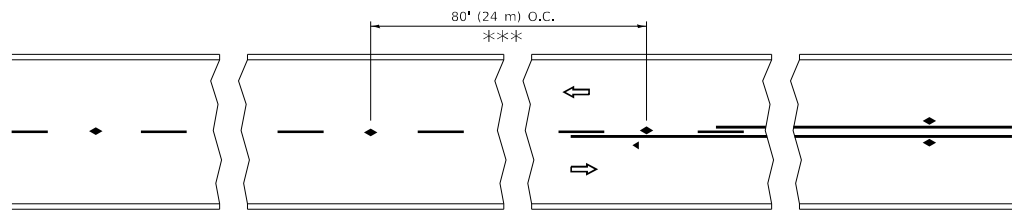
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

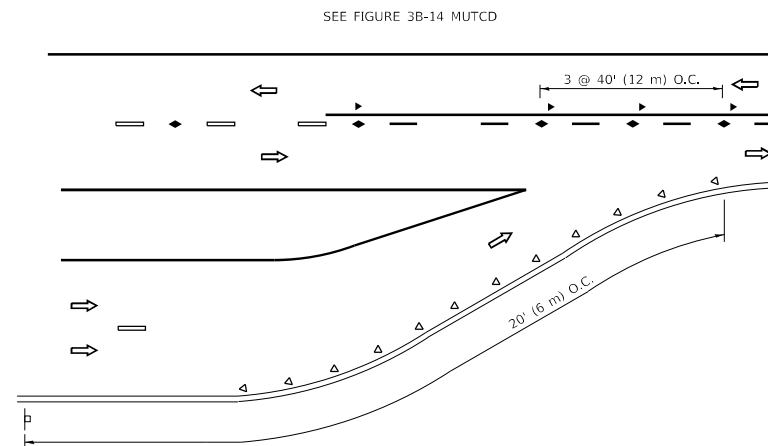
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				

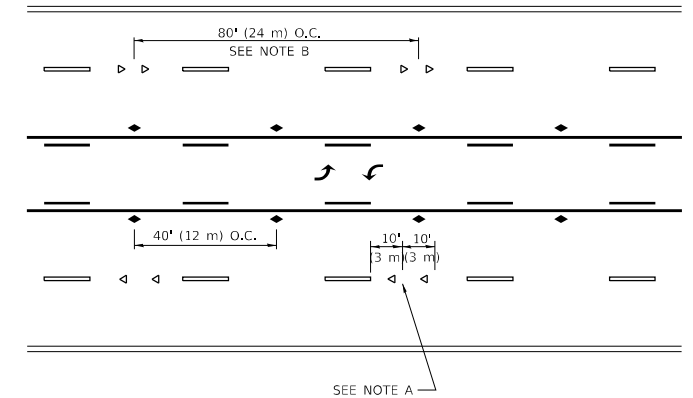


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

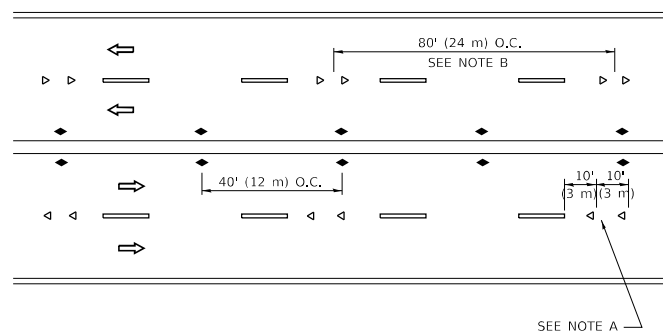
**TWO-LANE/TWO-WAY**



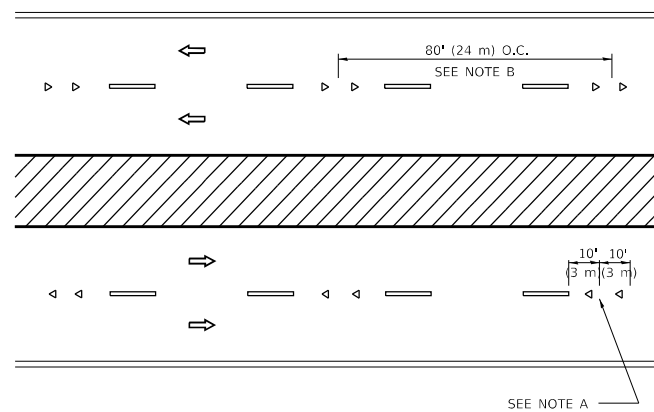
**LANE REDUCTION TRANSITION**



**TWO-WAY LEFT TURN**



**MULTI-LANE/UNDIVIDED**



**MULTI-LANE/DIVIDED**

**GENERAL NOTES**

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

**SYMBOLS**

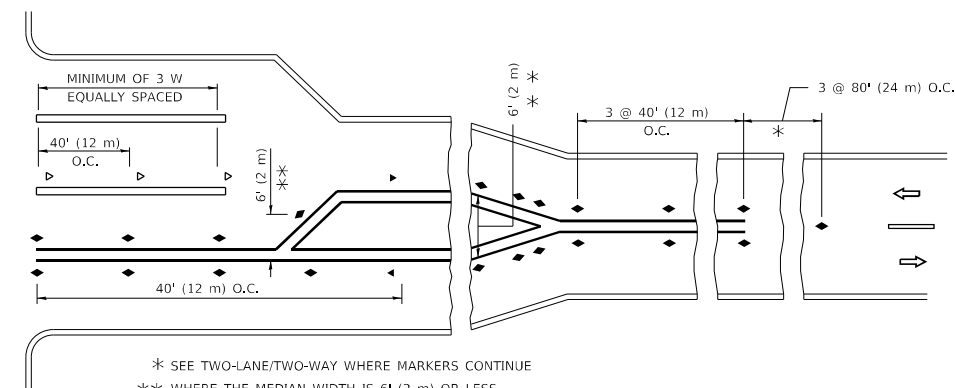
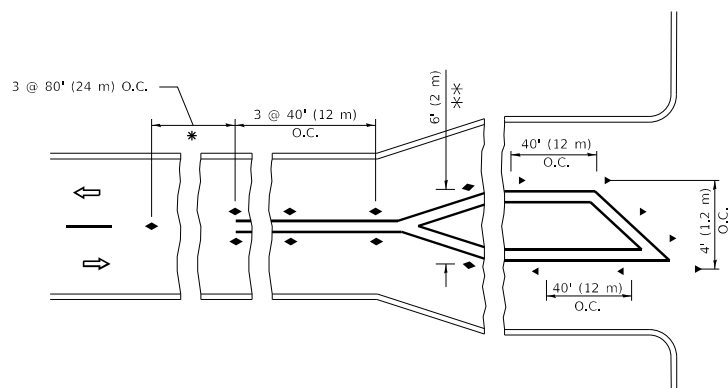
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

**DESIGN NOTES**

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

**TURN LANES**

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

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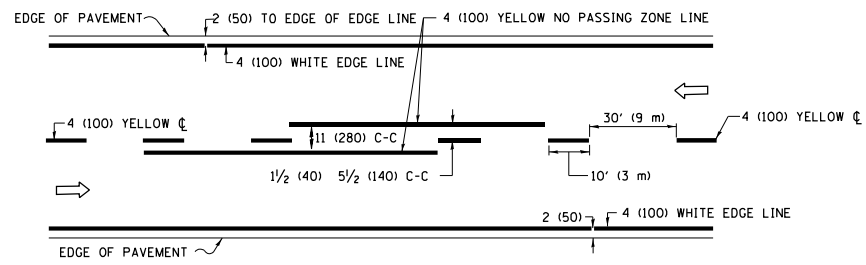
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

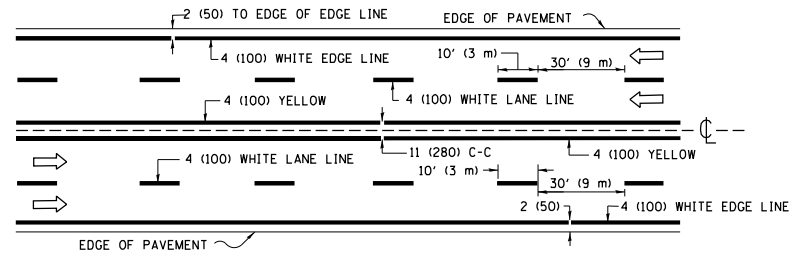
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RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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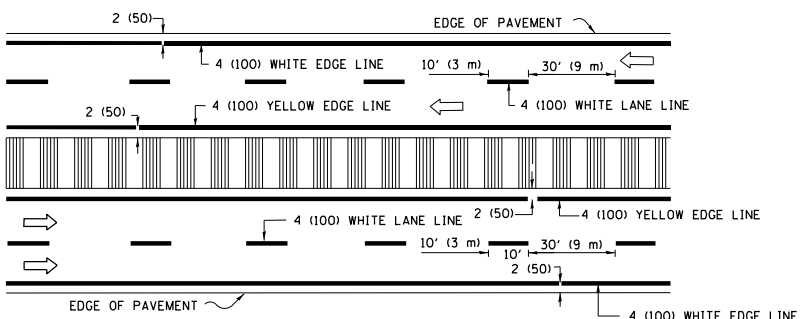
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TC-11			CONTRACT NO. 62T82	
ILLINOIS		FED. AID PROJECT		



**2-LANE ROADWAY**

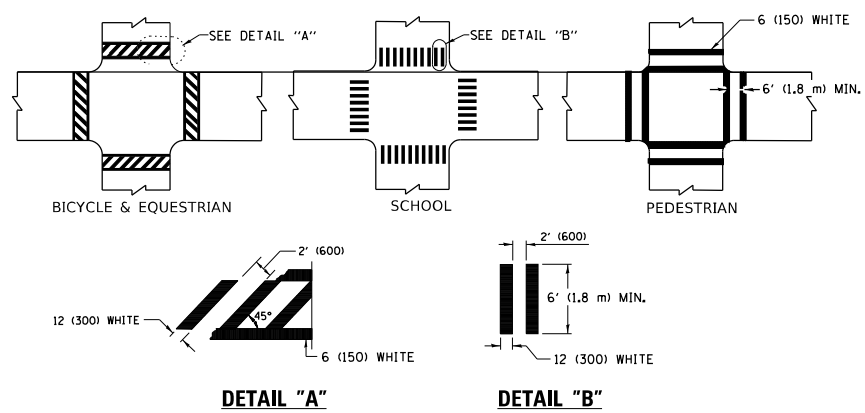


**MULTI-LANE UNDIVIDED**



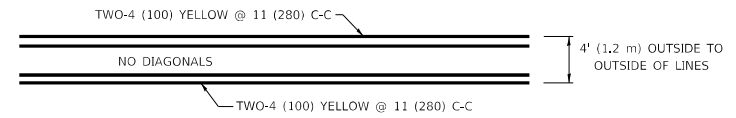
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

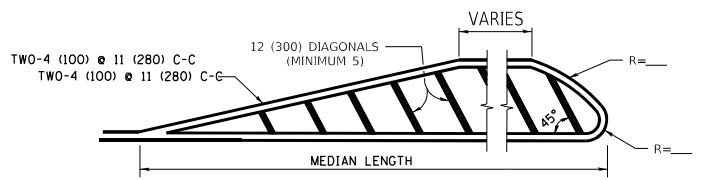


**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



**4' (1.2 m) WIDE MEDIANS ONLY**

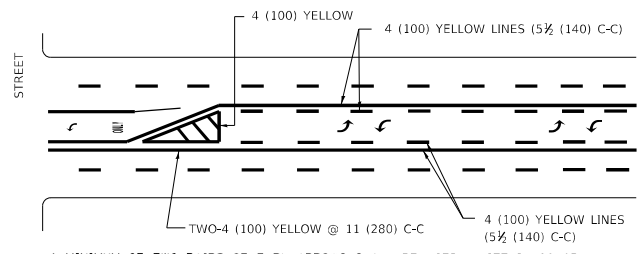


**MEDIANS OVER 4' (1.2 m) WIDE**

FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

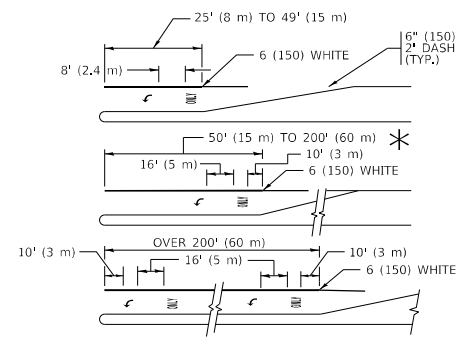
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

**TYPICAL PAINTED MEDIAN MARKING**



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL TURN LANE MARKING**

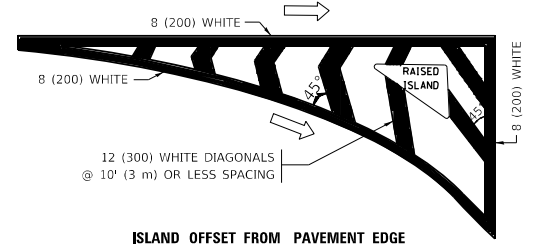


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

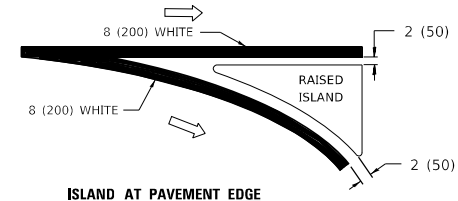
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

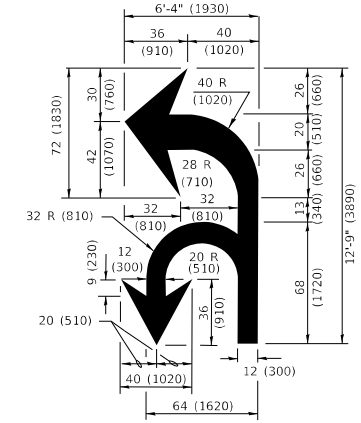
**TYPICAL TURN LANE MARKING**



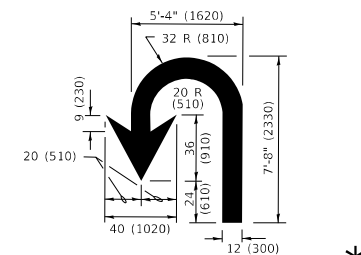
**ISLAND OFFSET FROM PAVEMENT EDGE**



**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES "RR" IS 8' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

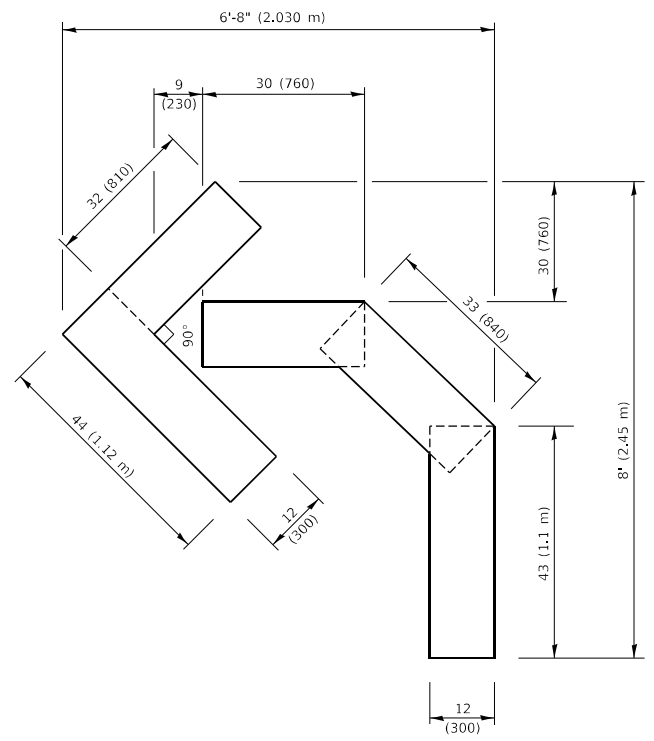
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	- CHECKED	- C. JUCIUS 12-21-15
	- DATE	- C. JUCIUS 04-12-16

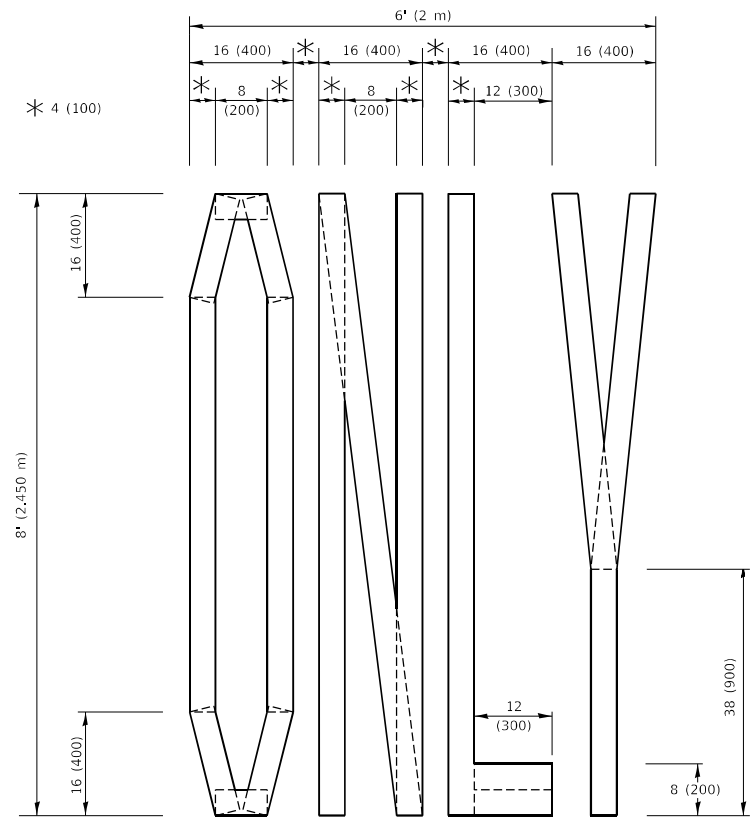
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET 1 OF 2 SHEETS STA. TO STA.

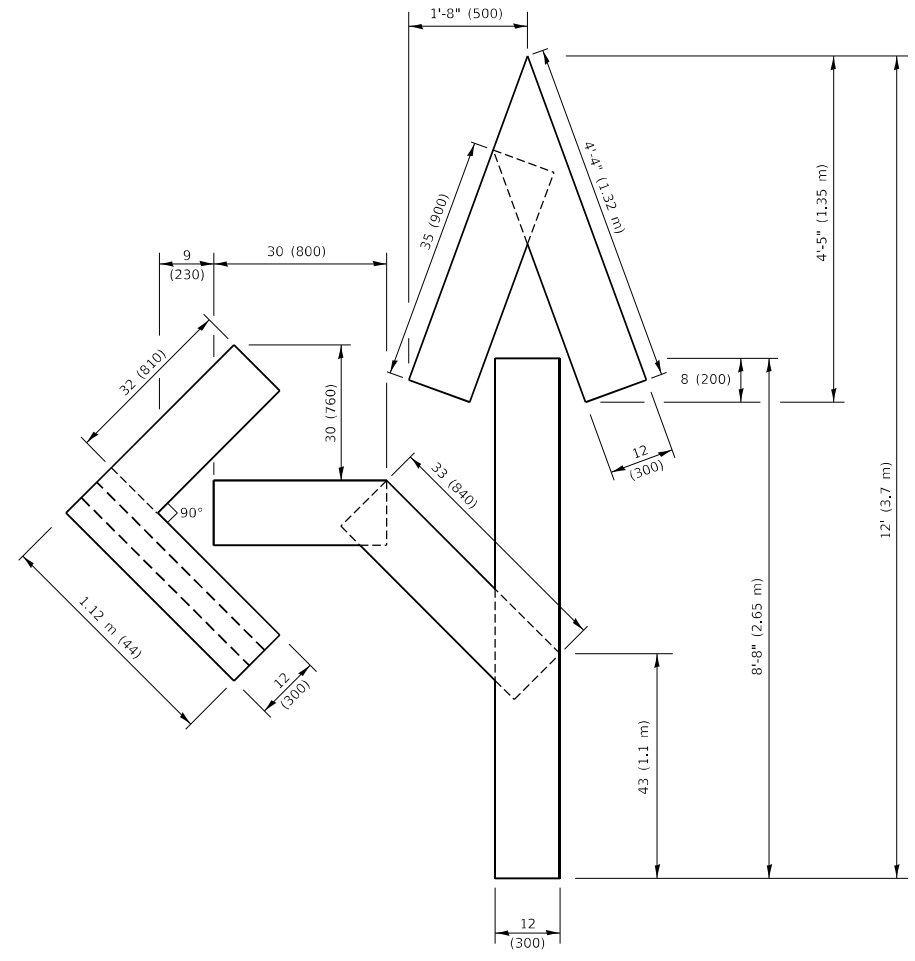
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	55
TC-13		CONTRACT NO. 62T82		
ILLINOIS		FED. AID PROJECT		



**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)

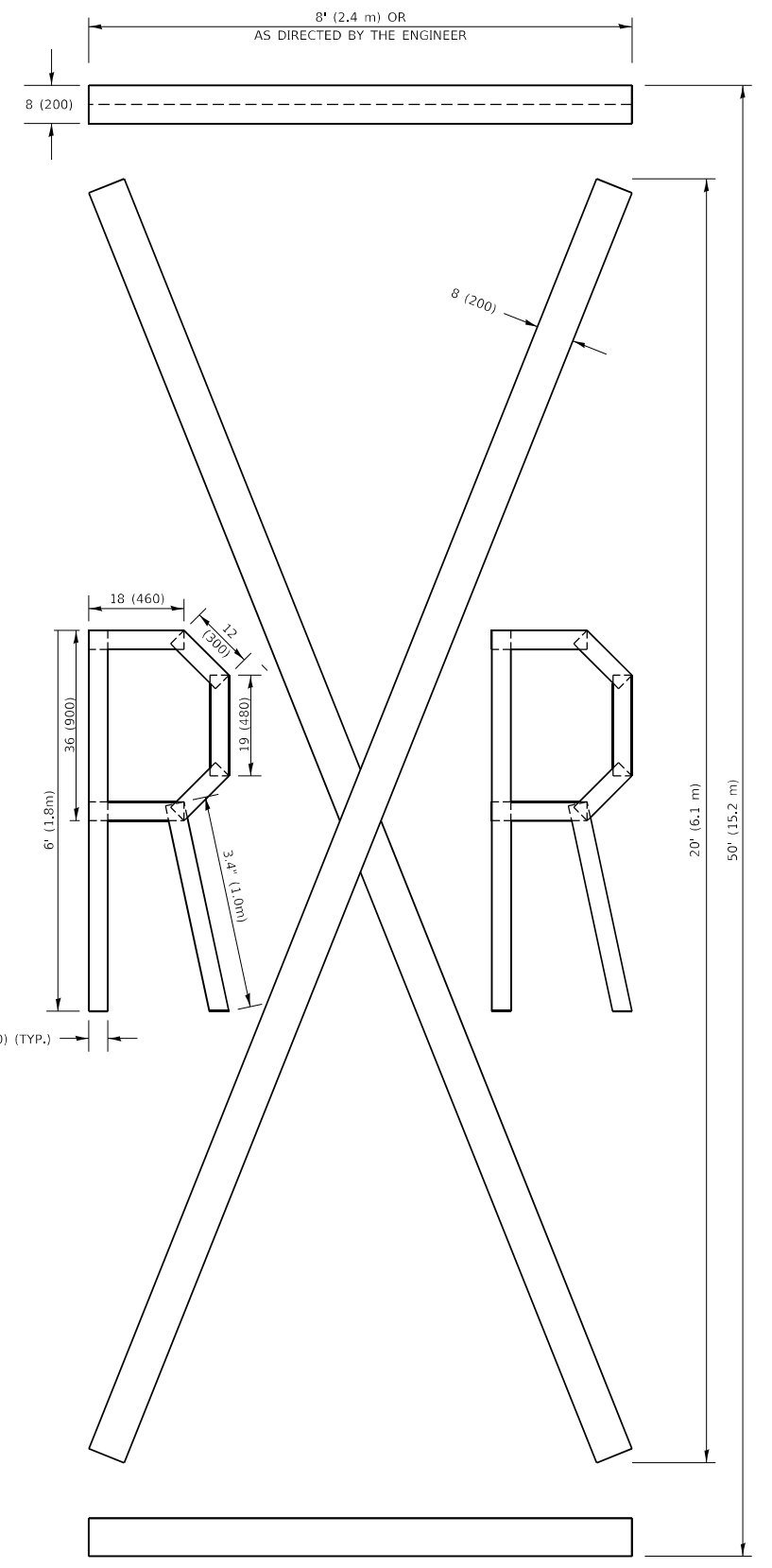


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)

**NOTE:**  
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**  
 4 (100) LINE = 225.9 ft. (68.9 m)  
 75.3 sq. ft. (6.99 sq. m)

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

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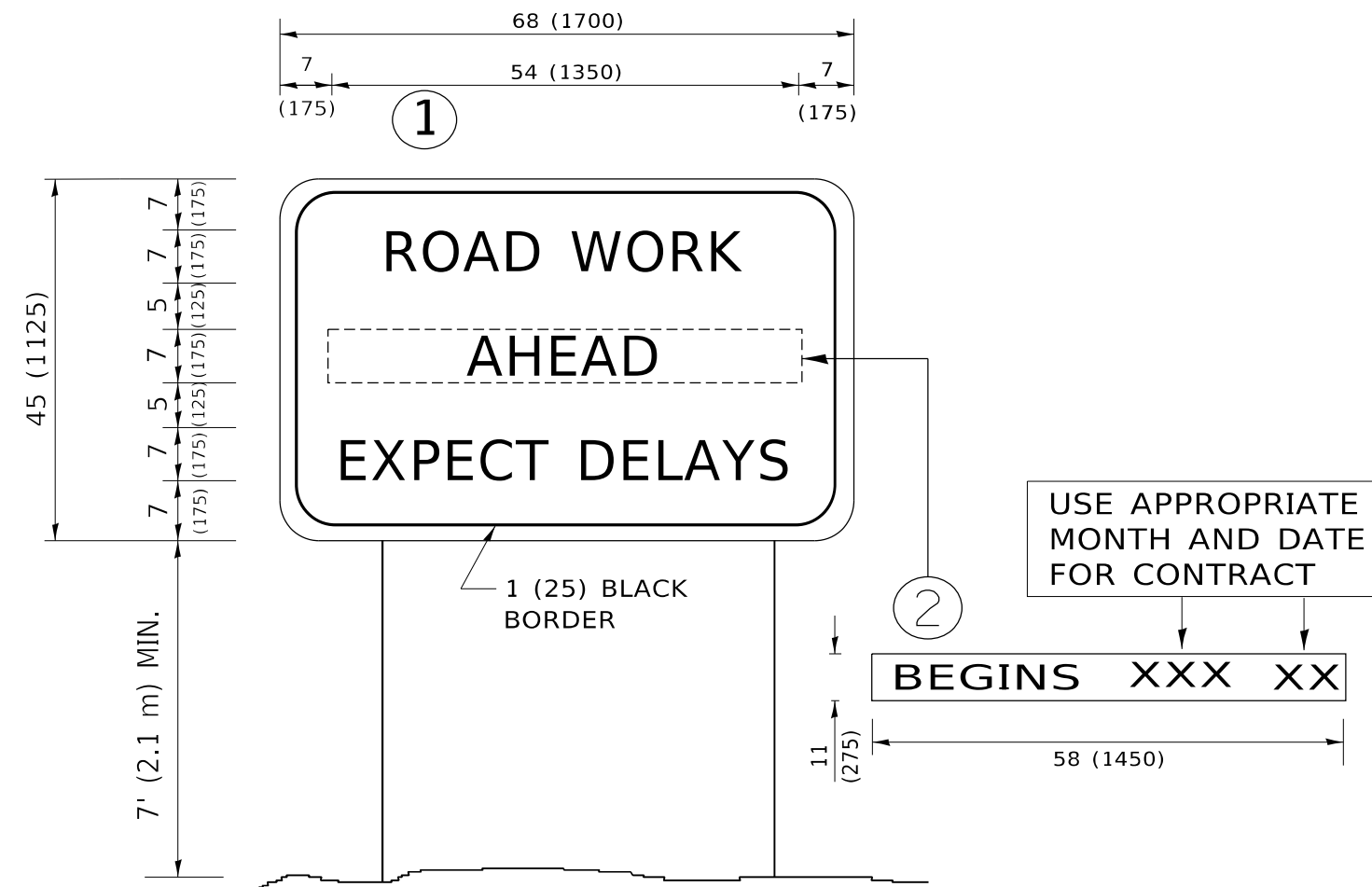
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PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A. RTE. 303	SECTION FAP 0303 22 CR	COUNTY LAKE	TOTAL SHEETS 58	SHEET NO. 56
TC-16		CONTRACT NO. 62T82		
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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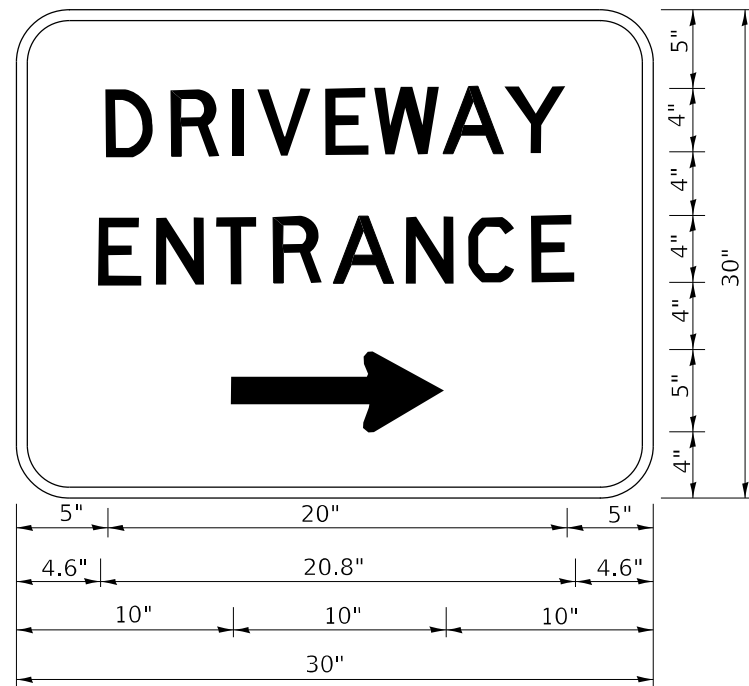
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	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	57
<b>TC-22</b>			CONTRACT NO. 62T82	
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: D:\draft  
 FILE NAME: p:\planning\mtdat\_illinois\pwr\DOT\Documents\DOT\_Offices\District\_1\Projects\Dist502\23A\CD\Draw\CAD\sheet126.dgn

USER NAME = lleya	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	FAP 0303 22 CR	LAKE	58	58
<b>TC-26</b>			CONTRACT NO. 62T82	
ILLINOIS		FED. AID PROJECT		