

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAP ROUTE 345A /FAU 2340
U.S. ROUTE 20 ROUNDABOUT AT REINKING ROAD
INTERSECTION IMPROVEMENT
SECTION NO.: 19-00187-00-CH
PROJECT NO.: JNMM(535)
CITY OF ELGIN
KANE COUNTY
C-91-242-22

F.A.P./F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345A/2340	19-00187-00-CH	KANE	115	1
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FOR INDEX OF SHEETS AND LIST OF STATE STANDARDS, SEE SHEET NO. 2

U.S. ROUTE 20

DESIGN DESIGNATION = OTHER PRINCIPAL ARTERIAL
DESIGN SPEED = 30 MPH
POSTED SPEED = 30 MPH
DESIGN YEAR = 2050
ADT = 12,500 - 24,700(2050)

REINKING ROAD

DESIGN DESIGNATION = MAJOR COLLECTOR
DESIGN SPEED = 30 MPH
POSTED SPEED = 30 MPH
DESIGN YEAR = 2050
ADT = 5,350 - 13,700(2050)

APPLIES TO SHEETS 1 - 68
83 - 115

TRENTON D. BRUNS
063-070716
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

Trenton Bruns

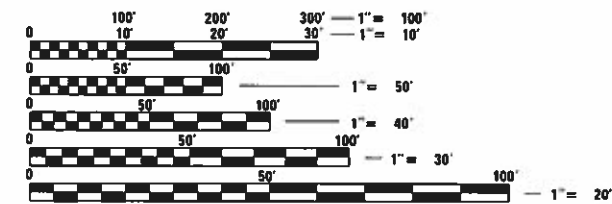
REGISTERED P.E., STATE OF ILLINOIS, EXPIRES 11 / 30 / 2025

APPLIES TO SHEETS 69 - 82

MATTHEW LOPEZ
062-081810
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

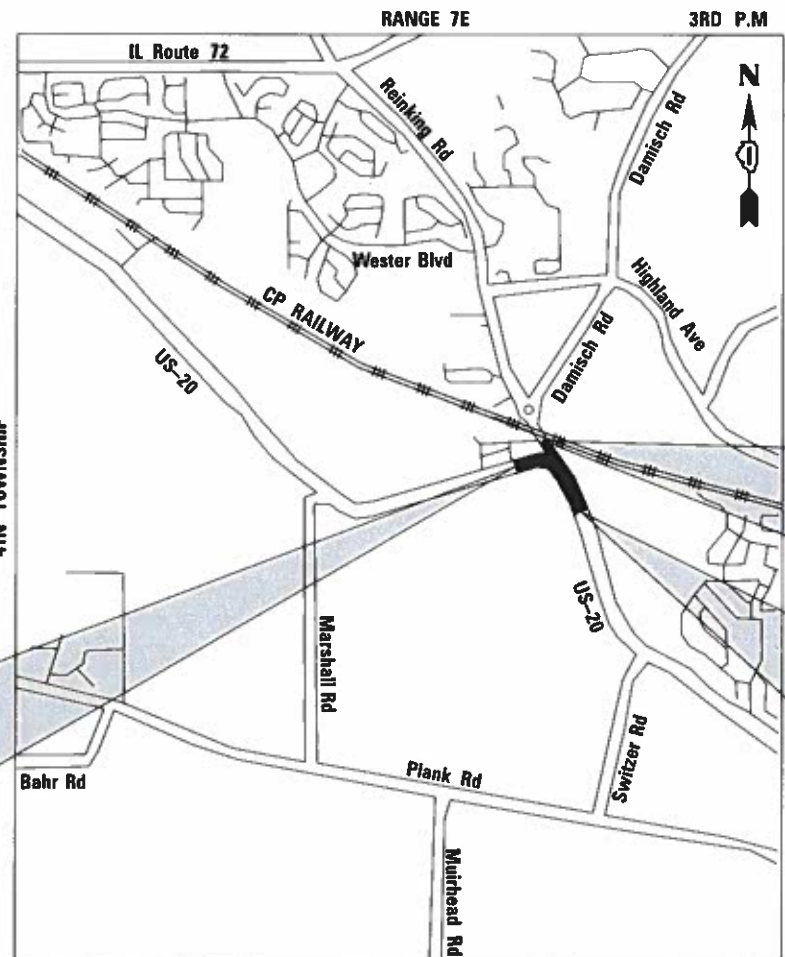
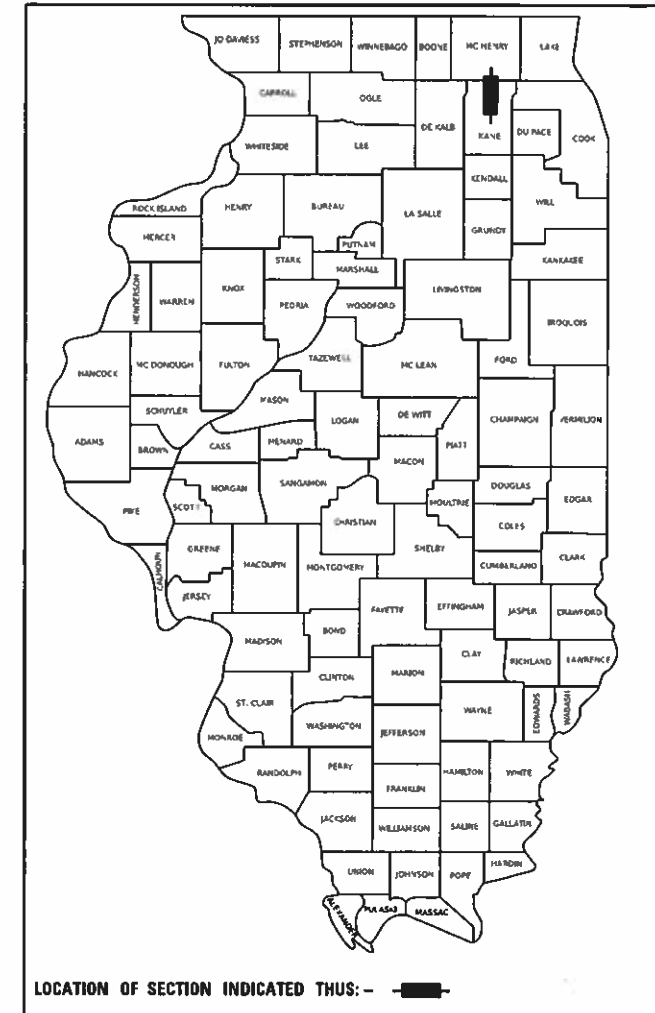
Matthew Lopez

REGISTERED P.E., STATE OF ILLINOIS, EXPIRES 11 / 30 / 2025



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



BEGIN ROADWAY IMPROVEMENT US ROUTE 20 STA. 299+54.35

BEGIN ROADWAY IMPROVEMENT REINKING ROAD STA. 500+00.00

END ROADWAY IMPROVEMENT US ROUTE 20 STA. 704+16.85

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Approved June 8 20 23
Mike Pabentz
Mike Pabentz, P.E.
City of Elgin

Passed FEB 22 20 24
C. Frank
District One Engineer of Local Roads and Streets

Releasing for Bid Based on Limited Review Feb 23 20 24
James Ross
Regional Engineer

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PLANS PREPARED BY:
Bravo Company
ENGINEERING
550 Warrenville Road, Suite 220
Lisle, IL 60532
Main: 630-702-9855
www.BravoCoEng.com

GROSS LENGTH = 1177.63 FT. = 0.223 MILE
NET LENGTH = 1177.63 FT. = 0.223 MILE

INDEX OF SHEETS

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GENERAL

- ALL REFERENCES TO STANDARD SPECIFICATIONS IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022 AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2024.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS; THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD); THE DETAILS IN THE PLANS AND THE SPECIAL PROVISIONS, AND IDOT STANDARD DRAWINGS AS LISTED IN THE CONTRACT DOCUMENTS.
- WHERE SECTION, SUBSECTION, SUBDIVISION OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- A SAW CUT SHALL BE REQUIRED TO THE FULL DEPTH AT THE JOINT BETWEEN THE PAVEMENT, SIDEWALK, CURB AND GUTTER, MEDIAN, DRIVEWAY PAVEMENT, HOT-MIX ASPHALT SURFACES TO BE REMOVED AND THAT LEFT IN PLACE OR AS DIRECTED BY THE ENGINEER.
- THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFF-SITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINE FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION PROJECT.
- 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.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
- THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC 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.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT 1 TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA VIA EMAIL AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

STAKING

- ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- THE STATION/OFFSET/ELEVATION NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE.
- THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OR PROPOSED PAVEMENT GRADES, UNLESS OTHERWISE NOTED.

UTILITIES

- PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ACCURACY IS NOT GUARANTEED. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER, AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
- ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. NO ADDITIONAL COMPENSATION SHALL BE PAID FOR THIS WORK.
- FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.

SIGNING, STRIPING, AND LANDSCAPING

- SIGNS WHICH ARE SO DESIGNATED BY THE ENGINEER SHALL BE REMOVED, STORED AND SUBSEQUENTLY RELOCATED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ANY SIGNS WHICH ARE DAMAGED DURING CONSTRUCTION OPERATIONS BEYOND REPAIR SHALL BE REPLACED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
- WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SEEDED/SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
- 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 NOTIFY WALTER CZARNY AREA TRAFFIC FIELD ENGINEER AT WALTER.CZARNY@ILLINOIS.GOV AT LEAST TWO WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

COMMITMENTS

NO COMMITMENTS

IDOT HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
420001-10	PAVEMENT JOINTS
420111-04	PCC PAVEMENT ROUNDOUTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602301-04	INLET - TYPE A
602401-07	PRECAST MANHOLE TYPE A 4' (1.22 M) DIAMETER
602402-03	PRECAST MANHOLE TYPE A 5' (1.52 M) DIAMETER
602506-03	PRECAST VALVE VAULT TYPE A 5' (1.52 M) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
666001-01	RIGHT OF WAY MARKERS
668001-01	U.S. GEOLOGICAL SURVEY AND NATIONAL GEODETIC SURVEY BENCHMARKS RESETTING METHOD
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (5.4 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEED > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES

IDOT DISTRICT ONE STANDARDS

BD-02	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15'
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-48	SEMI CIRCULAR PCC PAVEMENT ROUNDOUTS AT EDGE OF PAVEMENT OR BACK OF CURB
BD-52	DETAIL OF PAVEMENT SEPARATION, JOINT FOR JOINTED PCC PAVEMENT FOR RAMPS
BD-53	DETAIL OF VARIOUS TYPES OF LANE REDUCTION FOR PCC PAVEMENT
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGN
TS-04	FLASHING BEACON INSTALLATION DETAILS

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DATE	2/14/2024	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARDS

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 2
FED. ROAD DIST. NO. 1			ILLINOIS	
CONTRACT NO. 61J28				
FED. AID PROJECT				

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY 80% FED 20% LOCAL	0021 SAFETY 80% FED 20% LOCAL
	20101000	TEMPORARY FENCE	FOOT	1,113	1,113	
X	20101200	TREE ROOT PRUNING	EACH	7	7	
X	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	2	2	
X	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5	5	
	20200100	EARTH EXCAVATION	CU YD	3,898	3,898	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,352	2,352	
	20800150	TRENCH BACKFILL	CU YD	483	483	
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	5,003	5,003	
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1,306	1,306	
	21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	100	100	
X	25000210	SEEDING, CLASS 2A	ACRE	2	2	
X	25000312	SEEDING, CLASS 4A	ACRE	1	1	
X	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	179	179	
X	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	179	179	
X	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	179	179	
	25100630	EROSION CONTROL BLANKET	SQ YD	9,980	9,980	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 1 OF 10 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY 80% FED 20% LOCAL	0021 SAFETY 80% FED 20% LOCAL
	25200200	SUPPLEMENTAL WATERING	UNIT	1	1	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	207	207	
	28000305	TEMPORARY DITCH CHECKS	FOOT	165	165	
	28000400	PERIMETER EROSION BARRIER	FOOT	1,847	1,847	
	28000510	INLET FILTERS	EACH	26	26	
	28100107	STONE RIPRAP, CLASS A4	SQ YD	42	42	
	28200200	FILTER FABRIC	SQ YD	42	42	
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1,681	1,681	
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	9,252	9,252	
	35101400	AGGREGATE BASE COURSE, TYPE B	TON	201	201	
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	148	148	
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	262	262	
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	176	176	
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,111	1,111	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	51	51	
	42000411	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)	SQ YD	6,533	6,533	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 2 OF 10 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY 80% FED 20% LOCAL	0021 SAFETY 80% FED 20% LOCAL
	42001300	PROTECTIVE COAT	SQ YD	9,789	9,789	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	8,188	8,188	
	42400800	DETECTABLE WARNINGS	SQ FT	166	166	
	44000100	PAVEMENT REMOVAL	SQ YD	6,700	6,700	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,313	1,313	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	473	473	
	44000600	SIDEWALK REMOVAL	SQ FT	2,489	2,489	
	44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	119	119	
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	111	111	
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2	
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2	
	54213672	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 27"	EACH	1	1	
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	185	185	
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	107	107	
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	122	122	
	550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	180	180	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 3 OF 10 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY 80% FED 20% LOCAL	0021 SAFETY 80% FED 20% LOCAL
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	58	58	
	550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	42	42	
	55100500	STORM SEWER REMOVAL 12"	FOOT	143	143	
	55100900	STORM SEWER REMOVAL 18"	FOOT	6	6	
	55101100	STORM SEWER REMOVAL 21"	FOOT	15	15	
X	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	10	10	
X	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	524	524	
X	56105000	WATER VALVES 8"	EACH	2	2	
X	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2	2	
X	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	2	2	
	60100905	PIPE DRAINS 4"	FOOT	13	13	
	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	2,424	2,424	
	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	6	6	
	60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	4	4	
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3	3	
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 4 OF 10 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY 80% FED 20% LOCAL	0021 SAFETY 80% FED 20% LOCAL
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	1	
	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	5	5	
	60500050	REMOVING CATCH BASINS	EACH	3	3	
	60500060	REMOVING INLETS	EACH	1	1	
	60600605	CONCRETE CURB, TYPE B	FOOT	65	65	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	17	17	
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2,268	2,268	
	60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	205	205	
	60608582	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	1,745	1,745	
	60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	5,054	5,054	
	63200310	GUARDRAIL REMOVAL	FOOT	130	130	
X	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,448	1,448	
X	66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4	
X	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
X	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
X	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 5 OF 10 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY 80% FED 20% LOCAL	0021 SAFETY 80% FED 20% LOCAL
	67100100	MOBILIZATION	L SUM	1	1	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	120	120	
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	42	42	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	958	958	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3,819	3,819	
	70303120	TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE	FOOT	3,812	3,812	
	70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SQ FT	771	771	
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	8,059	8,059	
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	83	83	
X	72000100	SIGN PANEL - TYPE 1	SQ FT	294	294	
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	10	10	
	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3	
X	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3	
X	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	593	593	
X	73000100	WOOD SIGN SUPPORT	FOOT	40	40	
X	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	14	14	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 6 OF 10 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY 80% FED 20% LOCAL	0021 SAFETY 80% FED 20% LOCAL
X	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	627	627	
X	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3,264	3,264	
X	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1,509	1,509	
X	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	885	885	
X	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	94	94	
X	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	62	62	
	78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	56	56	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	42	42	
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	726	726	
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3,499	3,499	
X	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1
X	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1
X	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	365		365
X	81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	88		88
X	81400100	HANDHOLE	EACH	2		2
X	81603037	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	106		106

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET 7 OF 10 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 9
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY 80% FED 20% LOCAL	0021 SAFETY 80% FED 20% LOCAL
X	81603104	UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. HIGH DENSITY POLYETHYLENE	FOOT	1,936		1,936
X	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1,184		1,184
X	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	524		524
X	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	15		15
X	82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1		1
X	83001400	LIGHT POLE, ALUMINUM, 35 FT. M.H., 10 FT. DAVIT ARM	EACH	15		15
X	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	126		126
X	83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	15		15
X	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2		2
X	84200804	REMOVAL OF POLE FOUNDATION	EACH	2		2
X	85000500	MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	2	2	
X	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,804		1,804
X	89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	2	2	
X	A2000120	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7	7	
X	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8	
X	K0036120	MULCH PLACEMENT 4"	SQ YD	666	666	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 8 OF 10 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY 80% FED 20% LOCAL	0021 SAFETY 80% FED 20% LOCAL
X	X1200221	NON-PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	2	2	
X	X1400349	SOLAR-POWERED FLASHING BEACON INSTALLATION	EACH	2	2	
	X4200469	STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	642	642	
X	X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	627	627	
X	X5620112	WATER SERVICE CONNECTION	EACH	3	3	
	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1	
	X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	1	1	
X	X6026623	VALVE BOX	EACH	2	2	
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6	
X	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	8	8	
X	X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	8	8	
X	X8100105	CONDUIT SPLICE	EACH	1		1
X	X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	14		14
X	X8400102	MAINTENANCE OF LIGHTING SYSTEM	EACH	1		1
X	XX006658	FLOCCULATION LOGS	EACH	5	5	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 9 OF 10 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 11
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004 ROADWAY 80% FED 20% LOCAL	0021 SAFETY 80% FED 20% LOCAL
X	XX006659	FLOCCULATION POWDER	POUND	10	10	
X	XX009417	CASING PIPE, 16"	FOOT	71	71	
	Z0013798	TEST	L SUM	1	1	
X	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	64	64	
X	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	15		15
X	Z0033039	DISCONNECT AND RECONNECT ELECTRIC SERVICE	EACH	1		1
X	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	334	334	
	Z0062456	TEMPORARY PAVEMENT	SQ YD	1,811	1,811	
	Z0070150	REMOVE AND RELOCATE EXISTING MONUMENT	EACH	1	1	
X	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3	3	
○	Z0076600	TRAINEES	HOURS	500	500	
○	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURS	500	500	
X	Z0077700	WOOD FENCE TO BE REMOVED AND RE-ERECTED	FOOT	20	20	

○ DENOTES CONSTRUCTION TYPE CODE 0042

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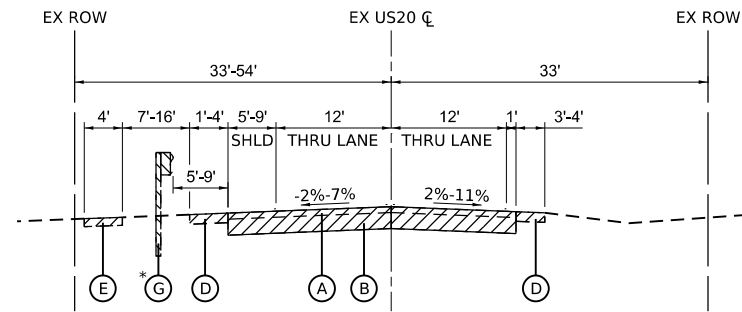
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DATE - 2/14/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

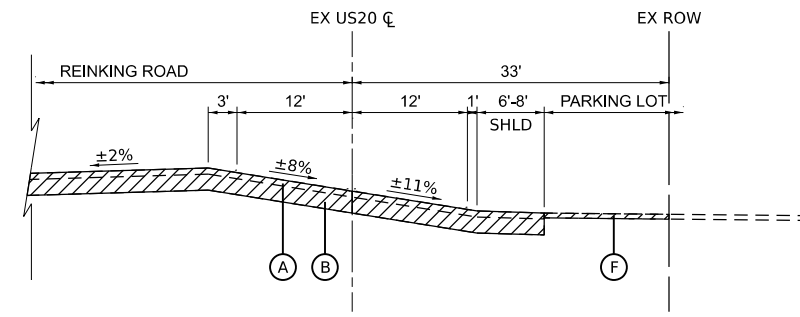
SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 12
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 61J28				

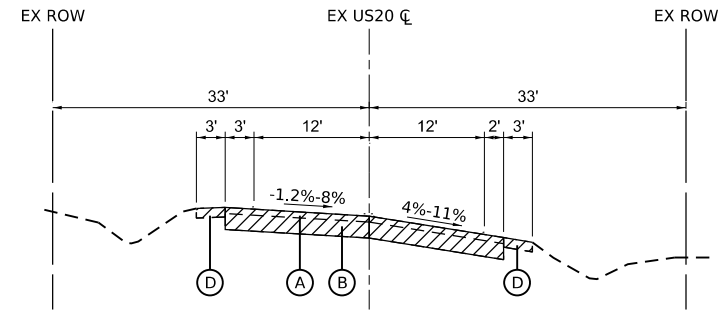


EXISTING TYPICAL SECTION - U.S. ROUTE 20
STA. 181+22.6 TO STA. 185+27.0

* STA. 184+08 TO STA. 185+27



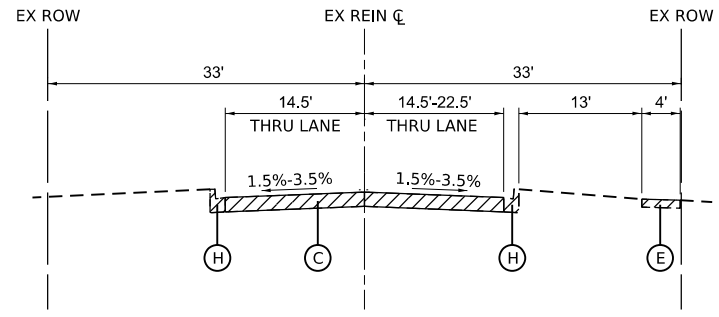
EXISTING TYPICAL SECTION - U.S. ROUTE 20
STA. 185+27.0 TO STA. 187+50.0



EXISTING TYPICAL SECTION - U.S. ROUTE 20
STA. 187+50.0 TO STA. 190+26.8

LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE; 3-3/4"
- (B) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT; 10"
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (F) EXISTING HOT-MIX ASPHALT PARKING LOT PAVEMENT
- (G) EXISTING GUARDRAIL
- (H) EXISTING CURB AND GUTTER, TYPE B-6.12
- REMOVAL ITEMS



EXISTING TYPICAL SECTION - REINKING ROAD
STA. 13+50.0 TO STA. 15+50.0

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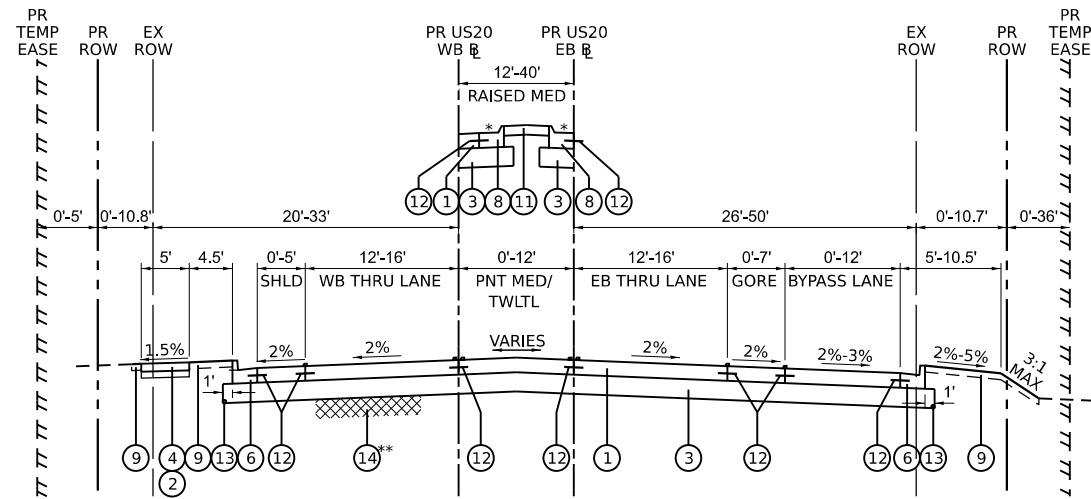
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS

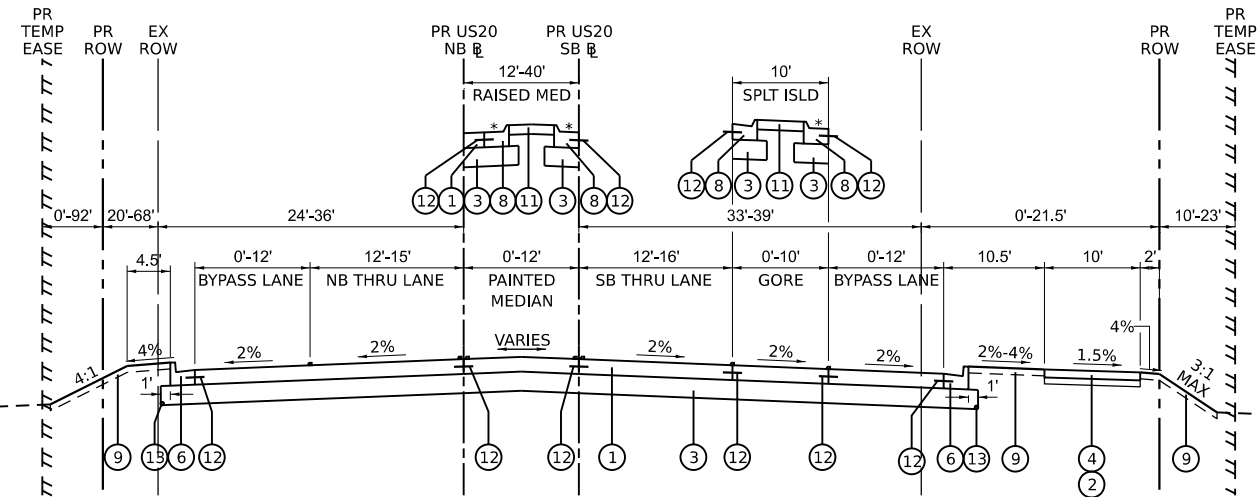
SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 13
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



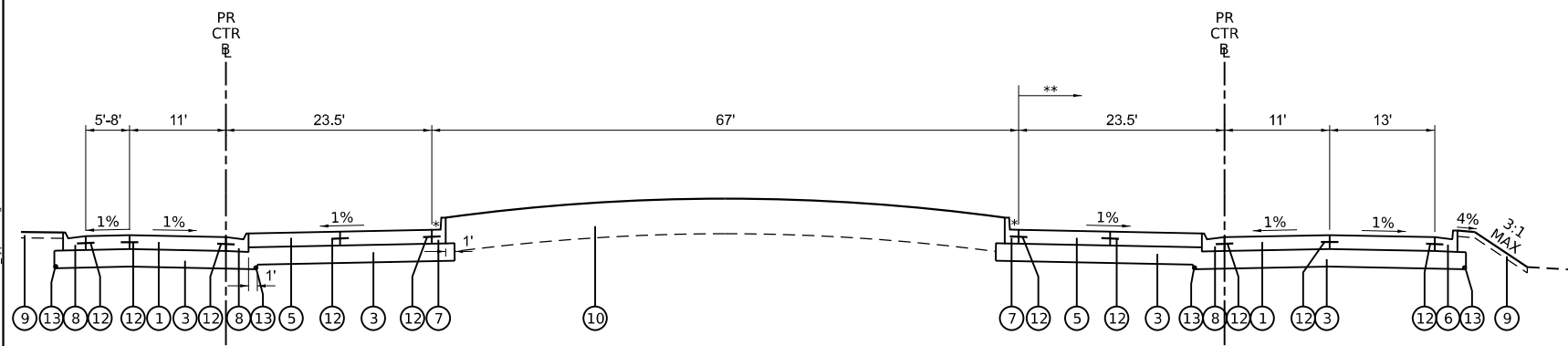
PROPOSED TYPICAL SECTION - U.S. ROUTE 20
 STA. 299+54.35 TO STA. 305+00.21
 STA. 399+54.3 TO STA. 405+05.92

- * REVERSE PITCH GUTTER AT 2%
- ** WHERE UNSUITABLE SOILS ARE ENCOUNTERED, PERFORM UNDERCUT FOR FULL WIDTH OF PAVEMENT FROM:
 STA 299+54 TO STA 301+50 AT 15" DEPTH AND
 STA. 301+50 TO STA 304+00 AT 12" DEPTH



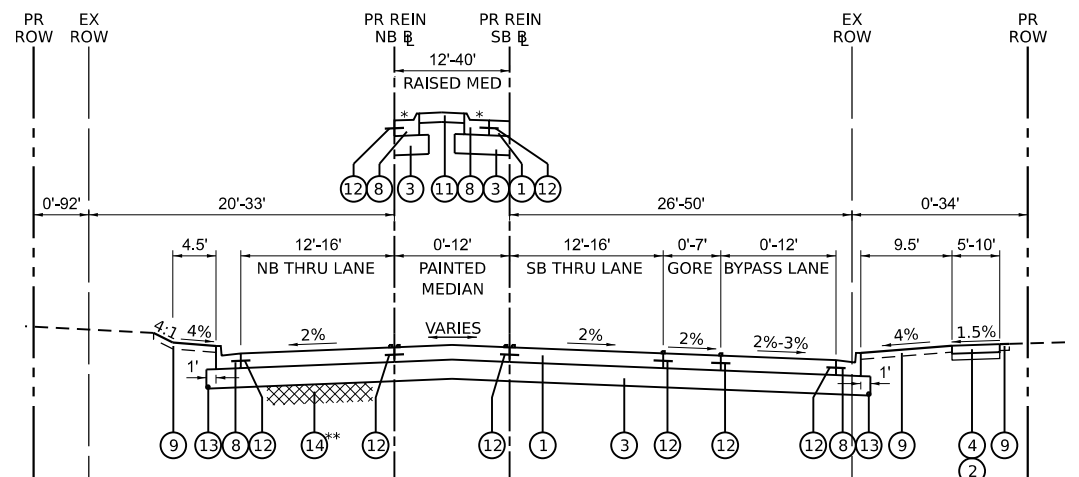
PROPOSED TYPICAL SECTION - U.S. ROUTE 20
 STA. 700+00.09 TO STA. 704+16.85
 STA. 799+93.01 TO STA. 804+16.57

- * REVERSE PITCH GUTTER AT 2%



PROPOSED TYPICAL SECTION - CENTER ISLAND
 STA. 200+00.0 TO STA. 203+58.12

- * REVERSE PITCH GUTTER AT 1%
- ** TYPICAL SECTION SHOWN THROUGH WIDENED NORTHBOUND BYPASS LANE SECTION. SEE PLAN SHEETS FOR LIMITS.



PROPOSED TYPICAL SECTION - REINKING ROAD
 STA. 500+00.00 TO STA. 502+90.10
 STA. 600+00.00 TO STA. 602+97.17

- * REVERSE PITCH GUTTER AT 2%
- ** WHERE UNSUITABLE SOILS ARE ENCOUNTERED, PERFORM UNDERCUT FOR FULL WIDTH OF PAVEMENT FROM:
 STA 500+00 TO STA 501+50 AT 12" DEPTH AND

- LEGEND**
- 1 PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)
 - 2 PROPOSED AGGREGATE BASE COURSE, TYPE B; 4"
 - 3 PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
 - 4 PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
 - 5 PROPOSED STAMPED COLORED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
 - 6 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - 7 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12
 - 8 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
 - 9 PROPOSED SEEDING, CLASS 2A
 PROPOSED TOPSOIL PLACEMENT, 4"
 - 10 PROPOSED SEEDING, CLASS 4A
 PROPOSED TOPSOIL PLACEMENT, 24"
 - 11 PROPOSED CONCRETE MEDIAN SURFACE, 6 INCH
 - 12 NO. 6 X 24" C-C, EPOXY COATED DEFORMED TIE BARS,
 POURED IN PLACE OR DRILLED AND GROUTED (SEE JOINTING PLAN)
 (INCLUDED IN THE COST OF PCC PAVEMENT)
 - 13 PROPOSED PIPE UNDERDRAINS, TYPE 2, 4"
 - 14 UNDERCUT AND REPLACE WITH AGGREGATE SUBGRADE IMPROVEMENT
 (SEE GEOTECHNICAL REPORT PREPARED BY MIDLAND STANDARD ENGINEERING AND
 TESTING DATED 12/19/2023 FOR ADDITIONAL DETAIL)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QMP
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4% @ 50 GYR	LR1030-2
HOT-MIX ASPHALT BASE COURSE (HMA BINDER 1L-19 MM); PE-6", CE-8"	4% @ 50 GYR	LR1030-2
PATCHING		
CLASS D PATCHES (HMA BINDER, IL-19.0); 12"	4% @ 70 GYR	LR1030-2
TEMPORARY PAVEMENT (SEE NOTE 3)		
TEMPORARY PAVEMENT (HMA BINDER, IL-19.0), 6"	4% @ 70 GYR	LR1030-2
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2		

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES 112 LBS/SQ YD/IN.
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.
3. CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING HMA OR PCC TEMPORARY PAVEMENT. PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS; THICKNESS SHALL BE 8". TEMPORARY PCC DOES NOT REQUIRE DOWEL BARS.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS

SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 14
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

U.S. ROUTE 20, SOC1 (TEMP PAVEMENT AND DITCH) EARTHWORK SCHEDULE											
STATION	DISTANCE (FOOT)	END AREAS		AVERAGE AREAS		VOLUMES		CLASSIFICATION			
		CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)	CUT (CU YD)	FILL (CU YD)	(a)(1)	(a)(2)	(a)(3)	(a)(5)
180+50.00		0.2	0.8								
181+00.00	50	0.2	4.3	0.2	2.6	0.4	4.7	0.4			
181+50.00	50	0.4	1.1	0.3	2.7	0.6	5.0	0.6			
182+00.00	50	3.6	0.4								
182+50.00	50	0.2	4.4	1.9	2.4	3.5	4.4	3.5			
183+00.00	50	0.3	2.3	0.3	3.4	0.5	6.2	0.5			
183+50.00	50	9.0	0.0	4.7	1.2	8.6	2.1		8.6		
184+00.00	50	11.7	0.4	11.9	0.2	21.9	0.4		21.9		
184+50.00	50	28.1	0.1	21.4	0.3	39.6	0.5		39.6		
185+00.00	50	34.3	0.1	31.2	0.1	57.8	0.2				57.8
185+50.00	50	29.2	0.2	31.8	0.2	58.8	0.3				58.8
186+00.00	50	27.1	0.1	28.2	0.2	52.1	0.3				52.1
186+50.00	50	24.1	0.2	25.6	0.2	47.4	0.3	47.4			
187+00.00	50	8.1	1.9	16.1	1.1	29.8	1.9	29.8			
187+50.00	50	8.4	1.1	8.3	1.5	15.3	2.8	15.3			
188+00.00	50	11.4	2.1	9.9	1.6	18.3	3.0	18.3			
188+50.00	50	14.0	6.2	12.7	4.2	23.5	7.7		23.5		
189+00.00	50	14.2	8.0	14.1	7.1	26.1	13.1		26.1		
189+50.00	50	12.3	10.3	13.3	9.2	24.5	16.9		24.5		
190+00.00	50	5.4	9.3	8.9	9.8	16.4	18.1	16.4			
190+50.00	50	0.3	10.1	2.9	9.7	5.3	18.0	5.3			
191+00.00	50	0.1	10.6	0.2	10.4	0.4	19.2	0.4			
191+50.00	50	0.0	0.0	0.1	5.3	0.1	9.8	0.1			
U.S. ROUTE 20, SOC1 TOTAL (CU YD) =		454.6	136.3	141.6	144.4	0.0	168.7				

EASTBOUND U.S. ROUTE 20 EARTHWORK SCHEDULE											
STATION	DISTANCE (FOOT)	END AREAS		AVERAGE AREAS		VOLUMES		CLASSIFICATION			
		CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)	CUT (CU YD)	FILL (CU YD)	(a)(1)	(a)(2)	(a)(3)	(a)(5)
299+54.35		22.3	0.0								
300+00.00	45.65	20.4	4.7	21.4	2.4	36.1	4.0	36.1			
300+50.00	50	25.2	2.1	22.8	3.4	42.2	6.3	42.2			
301+00.00	50	30.2	6.7	27.7	4.4	51.2	8.1	51.2			
301+50.00	50	27.5	7.4	28.8	7.1	53.4	13.1	53.4			
302+00.00	50	29.1	7.9	28.3	7.7	52.4	14.2		52.4		
302+50.00	50	34.3	9.0	31.7	8.5	58.7	15.7		58.7		
303+00.00	50	40.1	18.5	37.2	13.8	68.9	25.5		68.9		
303+50.00	50	73.6	15.2	56.8	16.9	105.3	31.2				105.3
304+00.00	50	77.7	35.8	75.6	25.5	140.0	47.2				140.0
304+27.21	27.21	90.3	41.2	84.0	38.5	84.6	38.8				84.6
EASTBOUND U.S. ROUTE 20 TOTAL (CU YD) =		692.9	204.2	183.0	180.0	0.0	329.9				

WESTBOUND U.S. ROUTE 20 EARTHWORK SCHEDULE											
STATION	DISTANCE (FOOT)	END AREAS		AVERAGE AREAS		VOLUMES		CLASSIFICATION			
		CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)	CUT (CU YD)	FILL (CU YD)	(a)(1)	(a)(2)	(a)(3)	(a)(5)
399+54.34		23.8	2.4								
400+00.00	45.7	25.1	2.6	25.1	2.6	42.5	4.4	42.5			
400+50.00	50	26.5	2.8	30.9	1.5	57.3	2.8	57.3			
401+00.00	50	35.4	0.2								
401+50.00	50	43.3	0.3	39.3	0.3	72.8	0.5				
402+00.00	50	48.0	0.4	45.6	0.4	84.5	0.7				
402+50.00	50	66.8	0.0	57.4	0.2	106.3	0.4				
403+00.00	50	68.7	1.2	69.4	0.0	128.6	0.0		128.6		
403+50.00	50	72.0	0.0	70.3	0.6	130.3	1.1		130.3		
404+00.00	50	68.7	1.2	65.6	2.2	121.4	4.1		121.4		
404+32.92	32.917	62.5	3.2	61.6	2.5	114.1	4.6				114.1
WESTBOUND U.S. ROUTE 20 TOTAL (CU YD) =		952.3	22.0	99.8	380.2	208.5	0.0				

NORTHBOUND U.S. ROUTE 20 EARTHWORK SCHEDULE											
STATION	DISTANCE (FOOT)	END AREAS		AVERAGE AREAS		VOLUMES		CLASSIFICATION			
		CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)	CUT (CU YD)	FILL (CU YD)	(a)(1)	(a)(2)	(a)(3)	(a)(5)
700+73.10		24.3	89.5								
701+00.00	26.9	32.8	63.2	28.6	76.4	28.4	76.1		28.4		
701+50.00	50	36.8	41.3	34.8	52.3	64.5	96.8		64.5		
702+00.00	50	42.0	22.2	39.4	31.8	73.0	58.8		73.0		
702+50.00	50	115.9	3.7	79.0	12.9	146.2	23.9	146.2			
703+00.00	50	61.8	6.6	88.9	5.2	164.6	9.5	164.6			
703+50.00	50	52.7	16.5	57.3	11.6	106.1	21.4	106.1			
704+00.00	50	50.3	14.5	51.5	15.5	95.4	28.7	95.4			
704+16.85	16.85	7.4	0.5	28.9	7.5	18.0	4.7	18.0			
NORTHBOUND U.S. ROUTE 20 TOTAL (CU YD) =		696.3	320.0	603.4	93.0	0.0	0.0				

SOUTHBOUND U.S. ROUTE 20 EARTHWORK SCHEDULE											
STATION	DISTANCE (FOOT)	END AREAS		AVERAGE AREAS		VOLUMES		CLASSIFICATION			
		CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)	CUT (CU YD)	FILL (CU YD)	(a)(1)	(a)(2)	(a)(3)	(a)(5)
800+66.01		25.2	112.3								
801+00.00	33.987	10.9	108.9	18.0	110.6	22.7	139.3	22.7			
801+50.00	50	18.6	69.1	14.8	89.0	27.4	164.9	27.4			
802+00.00	50	23.5	47.7	21.1	58.4	39.0	108.2		39.0		
802+50.00	50	23.5	47.7	23.8	45.8	44.1	84.7		44.1		
803+00.00	50	24.1	43.8	23.5	42.8	43.5	79.3		43.5		
803+50.00	50	22.9	41.8	21.3	38.8	39.5	71.9	39.5			
804+00.00	50	19.8	35.8	18.9	29.8	35.0	55.2	35.0			
804+16.58	16.575	18.0	23.8	16.2	11.9	10.0	7.3	10.0			
SOUTHBOUND U.S. ROUTE 20 TOTAL (CU YD) =		261.1	710.8	134.5	126.6	0.0	0.0				

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DATE - 2/14/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 15
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

SOUTHBOUND REINKING ROAD EARTHWORK SCHEDULE											
STATION	DISTANCE (FOOT)	END AREAS		AVERAGE AREAS		VOLUMES		CLASSIFICATION			
		CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)	CUT (CU YD)	FILL (CU YD)	(a)(1)	(a)(2)	(a)(3)	(a)(5)
500+00.00	50	0.5	0.0	15.4	0.1	28.6	0.2				
500+50.00	50	30.4	0.3	50.0	0.1	92.6	0.2				
501+00.00	50	69.6	0.0	90.4	0.0	167.4	0.1				
501+50.00	50	111.1	0.1	115.0	0.3	213.0	0.5			213.0	
502+00.00	17.068	118.9	0.5	126.3	0.9	79.8	0.6			79.8	
502+17.07		133.6	1.4								
SOUTHBOUND REINKING ROAD TOTAL (CU YD) =						581.3	1.7	0.0	0.0	292.8	0.0

NORTHBOUND REINKING ROAD EARTHWORK SCHEDULE											
STATION	DISTANCE (FOOT)	END AREAS		AVERAGE AREAS		VOLUMES		CLASSIFICATION			
		CUT (SQ FT)	FILL (SQ FT)	CUT (SQ FT)	FILL (SQ FT)	CUT (CU YD)	FILL (CU YD)	(a)(1)	(a)(2)	(a)(3)	(a)(5)
600+00.00	50	18.4	0.5	33.3	0.3	61.6	0.5				
600+50.00	50	48.1	0.0	66.9	0.5	123.9	0.9				
601+00.00	50	85.7	0.9	81.0	0.5	150.1	0.9				
601+50.00	50	76.3	0.0	67.9	2.5	125.7	4.5			125.7	
602+00.00	21.18	59.4	4.9	72.3	23.5	56.7	18.5			56.7	
602+21.18		85.3	42.2								
NORTHBOUND REINKING ROAD TOTAL (CU YD) =						518.0	25.3	0.0	0.0	182.4	0.0

EARTHWORK SUMMARY TABLE															
CLASSIFICATION	EARTH EXCAVATION					FURNISHED EXCAVATION	TOPSOIL EXCAVATION					TOPSOIL PLACEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	NON-SPECIAL WASTE DISPOSAL	
	Unrestricted	(a)(1)	(a)(2)	(a)(3)	(a)(5)		Unrestricted	(a)(1)	(a)(2)	(a)(3)	(a)(5)				
EARTH EXCAVATION															
U.S. ROUTE 20, SOC1 TOTAL (CU YD) =		141.6	144.4		168.7	136.3									
EASTBOUND U.S. ROUTE 20 TOTAL =		183.0	180.0		329.9	204.2									
WESTBOUND U.S. ROUTE 20 TOTAL =	263.7	99.8	380.2	208.5		22.0									
NORTHBOUND U.S. ROUTE 20 TOTAL =		603.4	93.0			320.0									
SOUTHBOUND U.S. ROUTE 20 TOTAL =		134.5	126.6			710.8									
NORTHBOUND REINKING ROAD TOTAL =	225.2			292.8		25.3									
SOUTHBOUND REINKING ROAD TOTAL =	398.9			182.4		1.7									
ROADWAY SUBTOTAL =	888	1,162	924	684	499	1,420									
SITE GRADING AND CENTER ISLAND SUBTOTAL (SEE NOTE 1) =	169	80	72	47	55	830									
TOTAL =	1,058	1,243	996	731	554	2,250									
SUITABLE EXCAVATION TO BE REUSED ON SITE (SHRINKAGE OF 15%)	899	475	847	621	471	-3,313									
NON-SPECIAL WASTE DISPOSAL		684												684	
TOPSOIL															
TOPSOIL EXCAVATED (8" DEPTH WITHIN CONSTRUCTION LIMITS)							914	734	642	374	165				
TOPSOIL PLACEMENT (4" OR 24" DEPTH WITHIN RESOTRATION LIMITS)												1,306			
SUITABLE TOPSOIL TO BE REUSED ON SITE							914	313	642	374	165				
NON-SPECIAL WASTE DISPOSAL															421
TOPSOIL TO BE HAULED OFF													1,101		
UNDERCUT															
UNDERCUT (SEE TYPICAL SECTIONS FOR LIMITS)	396	286	310	97	144										
UNDERCUT CONTINGENCY (25% OF REMAINING PAVEMENT)	448														
DISPOSED ON SITE (OUTSIDE STRUCTURAL LIMITS OF ROADWAY)		63			24										
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	844		310	97									1,251		
NON-SPECIAL WASTE DISPOSAL		223			120										343
PROJECT TOTALS (CU YD)		3,898				0			2,407			1,306	2,352	1,448	

1. EARTHWORK VOLUMES ASSOCIATED WITH THE ROUNDABOUT CENTER ISLAND AND THE GRADED STORM SEWER OUTFALL AREA HAVE BEEN CALCULATED USING SURFACE-TO-SURFACE VOLUME MEASUREMENT TOOLS.

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DATE - 2/14/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 16
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCHEDULE OF DRAINAGE STRUCTURES												
STRUCTURE #	STATION	OFFSET	54213657	54213663	54213672	60201340	60205040	60207605	60221100	60236800	60237470	
			PRC FES 12	PRC FES 18	PRC FES 27	CB TA 4 DIA T24 F&G	CB TA 5 DIA T24 F&G	CB TC T8G	MH TA 5 DIA T1F CL	INLETS TA T11 F&G	INLETS TA T24 F&G	
			(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
1	400+27.4	23.4' LT						1				
2	400+36.8	17.0' LT				1						
3	302+73.0	27.4' RT									1	
4	302+98.2	28.4' RT				1						
5	302+95.6	40.4' RT						1				
6	403+03.5	16.0' LT					1					
7	403+08.9	36.6' LT						1				
8	802+57.7	25.6' RT									1	
9	802+32.8	28.3' RT				1						
10	702+21.2	24.0' LT									1	
11	702+45.0	24.0' LT					1					
12	702+43.6	43.2' LT		1								
13	500+15.6	13.3' RT								1		
14	600+03.2	14.7' LT					1					
15	501+22.0	22.8' RT									1	
16	501+56.8	30.6' RT				1						
17	601+34.2	24.0' LT									1	
18	601+59.9	24.0' LT				1						
19	202+73.0	0.0' LT				1						
20	202+47.1	0.0' LT				1						
21	202+33.5	35.4' RT							1			
22	202+08.8	58.3' RT			1							
T1	183+35.2	29.7' RT	1									
T2	183+93.1	28.9' RT	1									
T3	184+72.4	33.5' RT		1								
TOTALS =			2	2	1	6	4	3	1	1	5	

SCHEDULE OF STORM SEWER									
PIPE #	550A0340	550A0360	550A0380	550A0400	550A0410	550A0420	60100905	Z0056608	20800150
	STORM SEW CL A T2 12" (FOOT)	STORM SEW CL A T2 15" (FOOT)	STORM SEW CL A T2 18" (FOOT)	STORM SEW CL A T2 21" (FOOT)	STORM SEW CL A T2 24" (FOOT)	STORM SEW CL A T2 27" (FOOT)	PIPE DRAINS 4" (FOOT)	STORM SEW WM REQ 12" (FOOT)	TRENCH BACKFILL (CU YD)
1							11		2
2	8								2
3								22	4
4	8								1
5							2		0
6			56						8
7								263	36
8				180					45
9								17	3
10		22							3
11		63							9
12		22							4
13			10						1
14								32	6
15	33								7
16	68								16
17	22								6
18			56						27
19					21				8
20					37				13
21						42			0
T1	46								2
TOTALS =									
	185	107	122	180	58	42	13	334	203

SCHEDULE OF DRAINAGE STRUCTURE REMOVALS			
STATION	OFFSET	60500050	60500060
		REMOVING CATCH BASINS (EACH)	REMOVING INLETS (EACH)
13+65.7	14.1' RT		1
13+66.7	14.7' LT	1	
15+60.3	50.7' RT	1	
184+18.1	22.0' LT	1	
TOTALS =		3	1

SCHEDULE OF SANITARY SEWER STRUCTURES			
STATION	OFFSET	X6026050	X6026051
		SANITARY MANHOLE ADJ (EACH)	SANITARY MANHOLE REC (EACH)
13+91.0	8.9' LT		1
184+36.9	25.1' RT	1	
TOTALS =		1	1

SCHEDULE OF WATERMAIN PIPES			
PIPE #	56103000	56103100	20800150
	D I WATER MAIN 6" (FOOT)	D I WATER MAIN 8" (FOOT)	TRENCH BACKFILL (CU YD)
1		14	8
2		109	26
3	4		0
4		357	226
5		20	10
6		24	15
7	6		4
TOTALS =			
	10	524	289

SCHEDULE OF WATERMAIN STRUCTURES					
STRUCTURE #	STATION	OFFSET	56105000	56400820	60248900
			WATER VALVES 8" (EACH)	FH W/ AUX V & VB (EACH)	VV TA 5 DIA T1F CL (EACH)
1	301+57.2	25.3' RT	1		1
2	302+63.6	32.6' RT		1	
3	500+68.3	20.5' RT	1		1
4	500+89.5	26.2' RT		1	
TOTALS =			2	2	2

SCHEDULE OF AGGREGATE SHOULDERS				
STATION		DESCRIPTION	AREA (SQ YD)	WEIGHT (TON)
FROM	TO			
180+32 RT	191+45 RT	TEMPORARY PAVEMENT SHOULDER	227.8	76
180+44 RT	181+23 RT	REPLACE EXISTING AGGREGATE SHOULDER	30.2	11
301+58 RT	302+02 RT	GRADE DRIVEWAY TO EXISTING AGGREGATE PARKING LOT	23.4	8
190+26 RT	191+45 RT	REPLACE EXISTING AGGREGATE SHOULDER	46.1	16
TOTAL =			307.5	111

SCHEDULE OF SURVEY MONUMENTS		
STATION	OFFSET	Z0070150 (EACH)
15+18.2	27.1' RT	1
TOTAL =		1

SCHEDULE OF WOOD FENCE TO BE REMOVED AND RE-ERECTED		
STATION		Z0077700 (FOOT)
FROM	TO	
13+41 RT	13+61 RT	20
TOTAL =		20

SCHEDULE OF GUARDRAIL REMOVAL		
STATION		63200310 (FOOT)
FROM	TO	
184+08 LT	185+27 LT	130
TOTAL =		130

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 17
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	



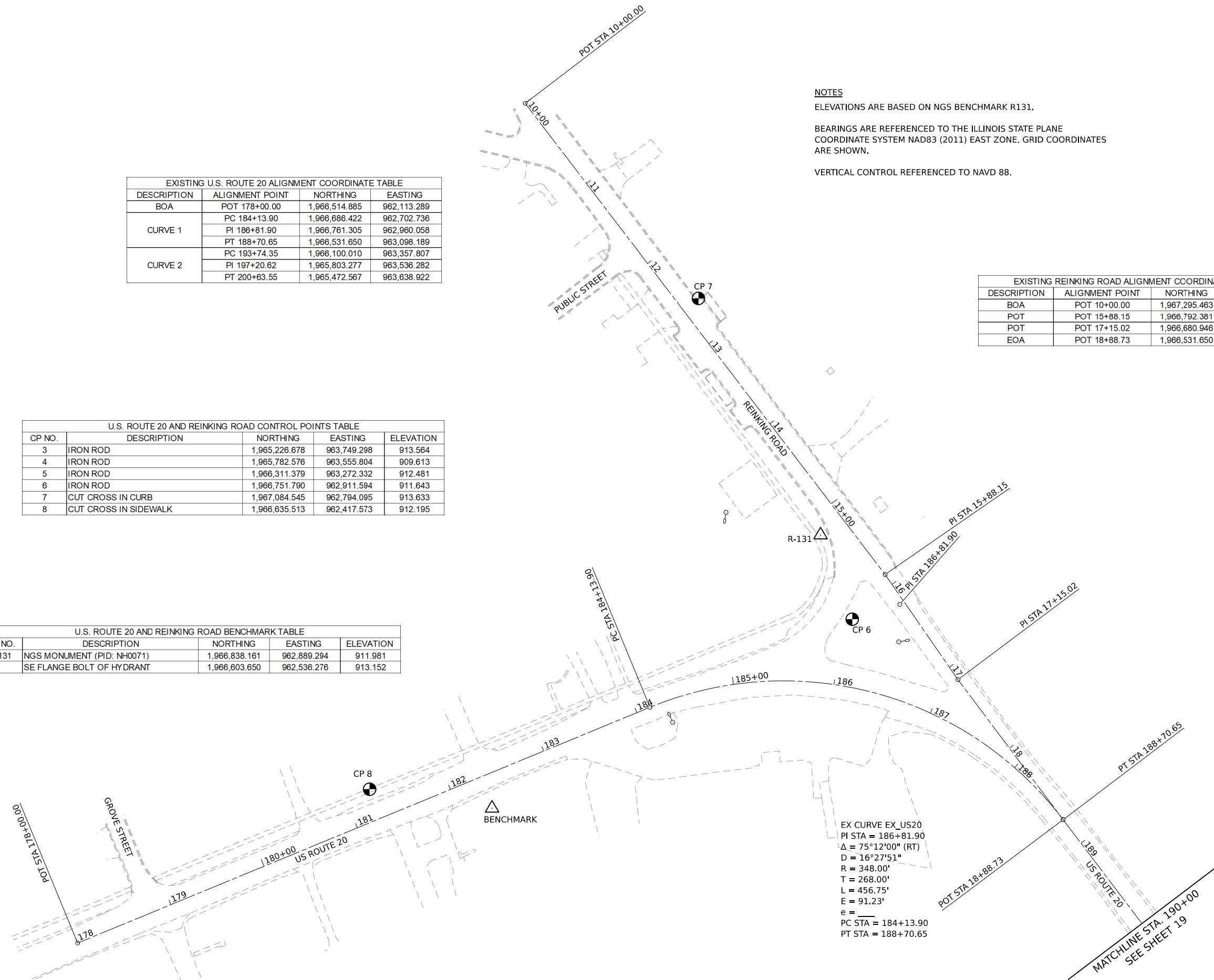
NOTES
 ELEVATIONS ARE BASED ON NGS BENCHMARK R131.
 BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD83 (2011) EAST ZONE. GRID COORDINATES ARE SHOWN.
 VERTICAL CONTROL REFERENCED TO NAVD 88.

EXISTING U.S. ROUTE 20 ALIGNMENT COORDINATE TABLE			
DESCRIPTION	ALIGNMENT POINT	NORTHING	EASTING
BOA	POT 178+00.00	1,966,514.885	962,113.289
CURVE 1	PC 184+13.90	1,966,686.422	962,702.736
	PI 186+81.90	1,966,761.305	962,960.058
	PT 188+70.65	1,966,531.650	963,098.189
CURVE 2	PC 193+74.35	1,966,100.010	963,357.807
	PI 197+20.62	1,965,803.277	963,536.282
	PT 200+63.55	1,965,472.567	963,638.922

EXISTING REINKING ROAD ALIGNMENT COORDINATE TABLE			
DESCRIPTION	ALIGNMENT POINT	NORTHING	EASTING
BOA	POT 10+00.00	1,967,295.463	962,644.069
POT	POT 15+88.15	1,966,792.381	962,948.743
POT	POT 17+15.02	1,966,680.946	963,009.404
EOA	POT 18+88.73	1,966,531.650	963,098.189

U.S. ROUTE 20 AND REINKING ROAD CONTROL POINTS TABLE				
CP NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
3	IRON ROD	1,965,226.678	963,749.298	913.564
4	IRON ROD	1,965,782.576	963,555.804	909.613
5	IRON ROD	1,966,311.379	963,272.332	912.481
6	IRON ROD	1,966,751.790	962,911.594	911.643
7	CUT CROSS IN CURB	1,967,084.545	962,794.095	913.633
8	CUT CROSS IN SIDEWALK	1,966,635.513	962,417.573	912.195

U.S. ROUTE 20 AND REINKING ROAD BENCHMARK TABLE				
BM NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
R-131	NGS MONUMENT (PID: NH0071)	1,966,838.161	962,889.294	911.981
	SE FLANGE BOLT OF HYDRANT	1,966,603.650	962,536.276	913.152



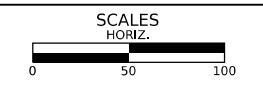
EX CURVE EX_US20
 PI STA = 186+81.90
 $\Delta = 75^\circ 12' 00''$ (RT)
 $D = 16^\circ 27' 51''$
 $R = 348.00'$
 $T = 268.00'$
 $L = 456.75'$
 $E = 91.23'$
 $e = \text{---}$
 PC STA = 184+13.90
 PT STA = 188+70.65

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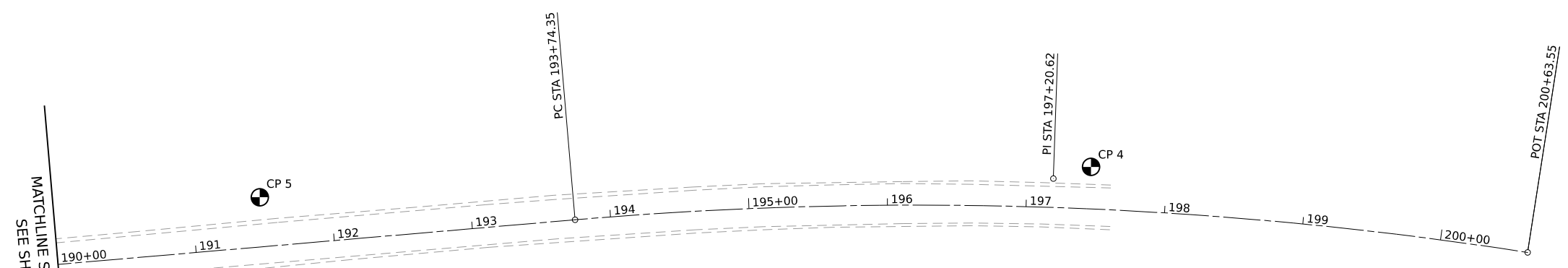
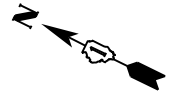
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ALIGNMENT, TIES, & BENCHMARKS
EXISTING ALIGNMENTS

SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 18
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



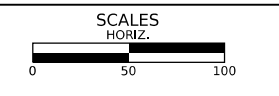
EX CURVE EX_US20
 PI STA = 197+20.62
 $\Delta = 13^\circ 47' 00''$ (RT)
 $D = 02^\circ 00' 00''$
 $R = 2,864.93'$
 $T = 346.27'$
 $L = 689.20'$
 $E = 20.85'$
 $e = \text{---}$
 PC STA = 193+74.35
 PT STA = 200+63.55

MODEL: Sheets
 FILE NAME: C:\Rob\324-US Rte 20 Roundabout\CAD\Sheets\05_alignment_ties_and_benchmarks.dgn



DESIGNED -	TGB	REVISED -	
DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	2/14/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ALIGNMENT, TIES, & BENCHMARKS
EXISTING ALIGNMENTS

SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 19
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PROPOSED CENTERLANE ALIGNMENT COORDINATE TABLE			
DESCRIPTION	ALIGNMENT POINT	NORTHING	EASTING
BOA	POT 200+00.00	1,966,717.007	962,895.152
PCC	PCC 201+79.07	1,966,759.015	963,001.130
EOA	POT 203+58.14	1,966,717.007	962,895.152
CENTER POINT		1,966,738.011	962,948.141

PROPOSED SOUTHBOUND REINKING ROAD ALIGNMENT COORDINATE TABLE			
DESCRIPTION	ALIGNMENT POINT	NORTHING	EASTING
BOA	POT 498+50.00	1,967,124.390	962,747.673
POT	POT 500+00.00	1,966,996.085	962,825.377
CURVE 1	PC 501+57.63	1,966,856.089	962,897.823
	PI 501+78.94	1,966,837.161	962,907.617
PCC	PCC 501+99.60	1,966,815.875	962,908.667
CURVE 2	PI 502+08.38	1,966,807.103	962,909.099
	PT 502+17.07	1,966,798.510	962,907.289
EOA	POT 502+90.07	1,966,738.011	962,948.141

PR CURVE PR_REIN_SB
 PI STA = 501+78.94
 $\Delta = 24^\circ 32' 17''$ (RT)
 $D = 58^\circ 27' 54''$
 $R = 98.00'$
 $T = 21.31'$
 $L = 41.97'$
 $E = 2.29'$
 $e = \text{---}$
 $TR = \text{---}$
 $SE\ RUN = \text{---}$
 $PC\ STA = 501+57.63$
 $PT\ STA = 501+99.60$

PR CURVE PR_REIN_SB
 PI STA = 502+08.38
 $\Delta = 14^\circ 43' 07''$ (RT)
 $D = 84^\circ 15' 31''$
 $R = 68.00'$
 $T = 8.78'$
 $L = 17.47'$
 $E = 0.56'$
 $e = \text{---}$
 $TR = \text{---}$
 $SE\ RUN = \text{---}$
 $PC\ STA = 501+99.60$
 $PT\ STA = 502+17.07$

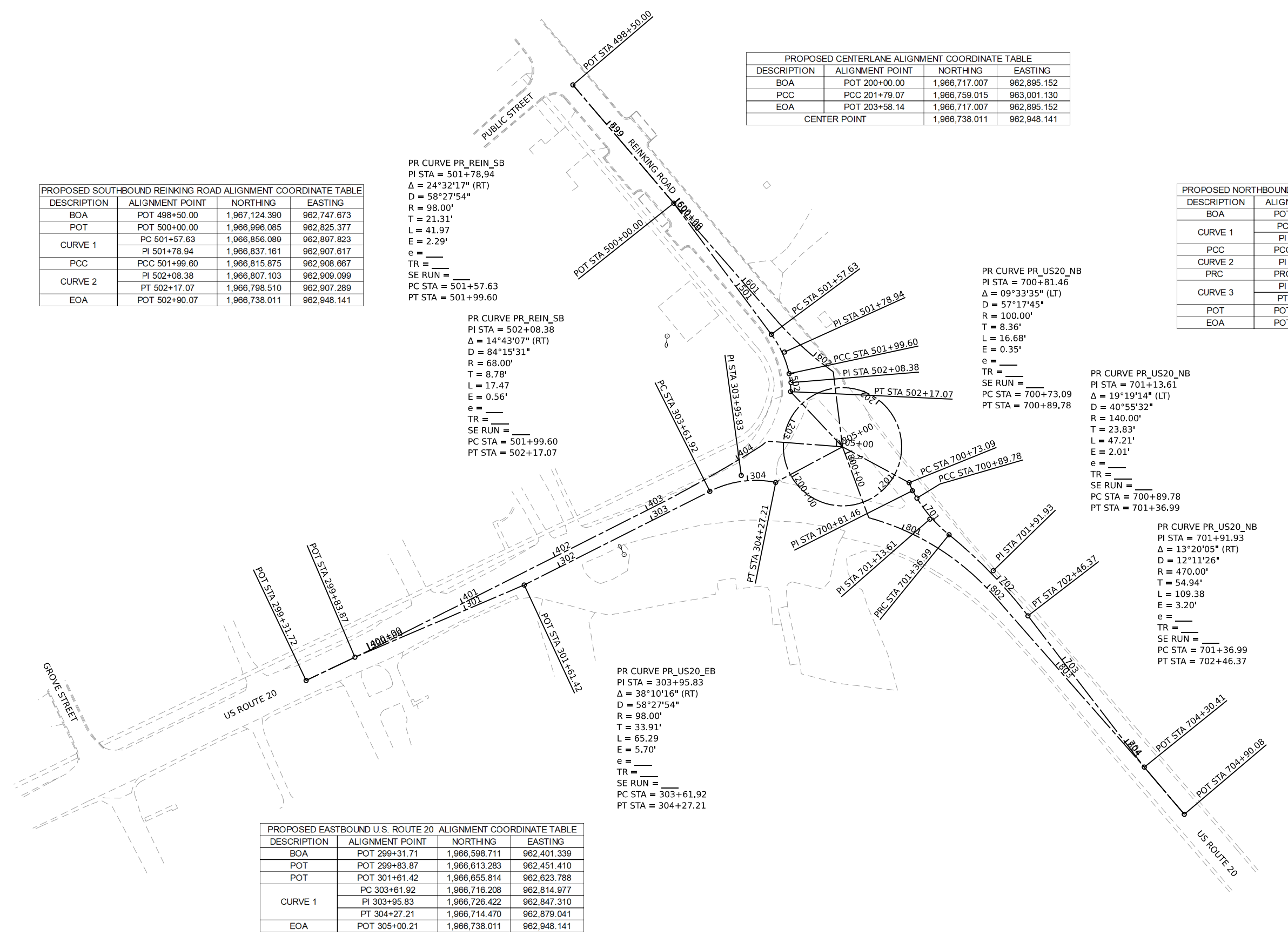
PR CURVE PR_US20_NB
 PI STA = 700+81.46
 $\Delta = 09^\circ 33' 35''$ (LT)
 $D = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 8.36'$
 $L = 16.68'$
 $E = 0.35'$
 $e = \text{---}$
 $TR = \text{---}$
 $SE\ RUN = \text{---}$
 $PC\ STA = 700+73.09$
 $PT\ STA = 700+89.78$

PR CURVE PR_US20_NB
 PI STA = 701+13.61
 $\Delta = 19^\circ 19' 14''$ (LT)
 $D = 40^\circ 55' 32''$
 $R = 140.00'$
 $T = 23.83'$
 $L = 47.21'$
 $E = 2.01'$
 $e = \text{---}$
 $TR = \text{---}$
 $SE\ RUN = \text{---}$
 $PC\ STA = 700+89.78$
 $PT\ STA = 701+36.99$

PR CURVE PR_US20_NB
 PI STA = 701+91.93
 $\Delta = 13^\circ 20' 05''$ (RT)
 $D = 12^\circ 11' 26''$
 $R = 470.00'$
 $T = 54.94'$
 $L = 109.38'$
 $E = 3.20'$
 $e = \text{---}$
 $TR = \text{---}$
 $SE\ RUN = \text{---}$
 $PC\ STA = 701+36.99$
 $PT\ STA = 702+46.37$

PR CURVE PR_US20_EB
 PI STA = 303+95.83
 $\Delta = 38^\circ 10' 16''$ (RT)
 $D = 58^\circ 27' 54''$
 $R = 98.00'$
 $T = 33.91'$
 $L = 65.29'$
 $E = 5.70'$
 $e = \text{---}$
 $TR = \text{---}$
 $SE\ RUN = \text{---}$
 $PC\ STA = 303+61.92$
 $PT\ STA = 304+27.21$

PROPOSED EASTBOUND U.S. ROUTE 20 ALIGNMENT COORDINATE TABLE			
DESCRIPTION	ALIGNMENT POINT	NORTHING	EASTING
BOA	POT 299+31.71	1,966,598.711	962,401.339
POT	POT 299+83.87	1,966,613.283	962,451.410
POT	POT 301+61.42	1,966,655.814	962,623.788
CURVE 1	PC 303+61.92	1,966,716.208	962,814.977
	PI 303+95.83	1,966,726.422	962,847.310
	PT 304+27.21	1,966,714.470	962,879.041
EOA	POT 305+00.21	1,966,738.011	962,948.141

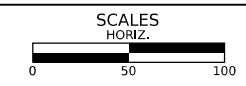


MODEL SHEETS FILE NAME: C:\3030324-US Rte 20 Roundabout\CAD\Sheets\05 Alignment ties and benchmarks.dgn



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



ALIGNMENT, TIES, & BENCHMARKS
PROPOSED ALIGNMENTS

SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 20
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 61J28



DESCRIPTION	ALIGNMENT POINT	NORTHING	EASTING
BOA	POT 598+50.00	1,967,124.390	962,747.673
POT	POT 600+00.00	1,966,996.085	962,825.377
CURVE 1	PC 601+50.78	1,966,868.191	962,905.244
	PI 601+87.64	1,966,836.927	962,924.768
	PT 602+24.17	1,966,810.958	962,950.926
EOA	POT 602+97.17	1,966,738.011	962,948.141

PR CURVE PR_REIN_NB
 PI STA = 601+87.64
 $\Delta = 13^{\circ}13'24"$ (LT)
 $D = 18^{\circ}01'03"$
 $R = 318.00'$
 $T = 36.86'$
 $L = 73.39'$
 $E = 2.13'$
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 $TR = \text{---}$
 $SE RUN = \text{---}$
 PC STA = 601+50.78
 PT STA = 602+24.17

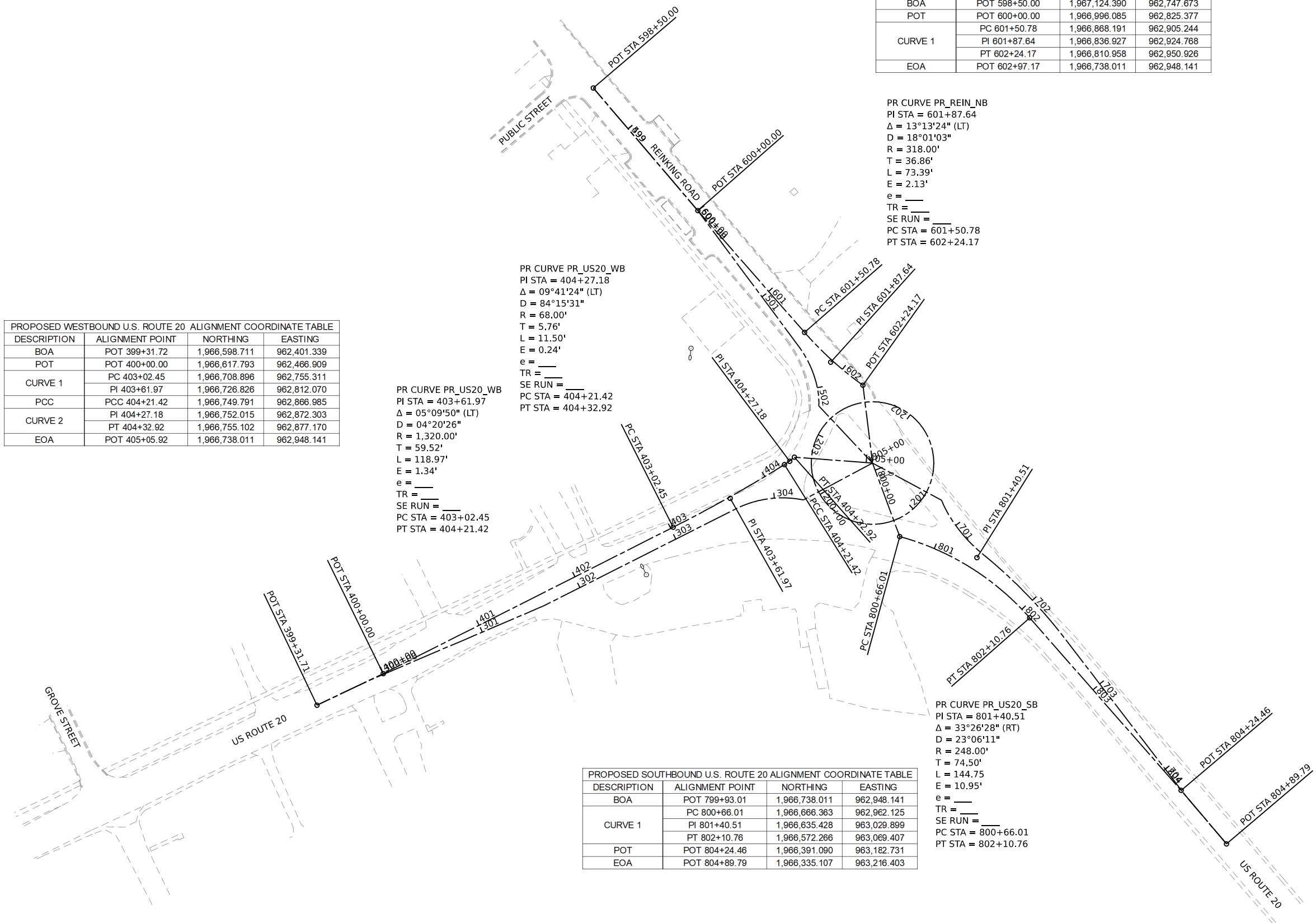
DESCRIPTION	ALIGNMENT POINT	NORTHING	EASTING
BOA	POT 399+31.72	1,966,598.711	962,401.339
POT	POT 400+00.00	1,966,617.793	962,466.909
CURVE 1	PC 403+02.45	1,966,708.896	962,755.311
	PI 403+61.97	1,966,726.826	962,812.070
PCC	PCC 404+21.42	1,966,749.791	962,866.985
CURVE 2	PI 404+27.18	1,966,752.015	962,872.303
	PT 404+32.92	1,966,755.102	962,877.170
EOA	POT 405+05.92	1,966,738.011	962,948.141

PR CURVE PR_US20_WB
 PI STA = 404+27.18
 $\Delta = 09^{\circ}41'24"$ (LT)
 $D = 84^{\circ}15'31"$
 $R = 68.00'$
 $T = 5.76'$
 $L = 11.50'$
 $E = 0.24'$
 $e = \text{---}$
 $TR = \text{---}$
 $SE RUN = \text{---}$
 PC STA = 404+21.42
 PT STA = 404+32.92

PR CURVE PR_US20_WB
 PI STA = 403+61.97
 $\Delta = 05^{\circ}09'50"$ (LT)
 $D = 04^{\circ}20'26"$
 $R = 1,320.00'$
 $T = 59.52'$
 $L = 118.97'$
 $E = 1.34'$
 $e = \text{---}$
 $TR = \text{---}$
 $SE RUN = \text{---}$
 PC STA = 403+02.45
 PT STA = 404+21.42

DESCRIPTION	ALIGNMENT POINT	NORTHING	EASTING
BOA	POT 799+93.01	1,966,738.011	962,948.141
CURVE 1	PC 800+66.01	1,966,666.363	962,962.125
	PI 801+40.51	1,966,635.428	963,029.899
	PT 802+10.76	1,966,572.266	963,069.407
POT	POT 804+24.46	1,966,391.090	963,182.731
EOA	POT 804+89.79	1,966,335.107	963,216.403

PR CURVE PR_US20_SB
 PI STA = 801+40.51
 $\Delta = 33^{\circ}26'28"$ (RT)
 $D = 23^{\circ}06'11"$
 $R = 248.00'$
 $T = 74.50'$
 $L = 144.75'$
 $E = 10.95'$
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 $SE RUN = \text{---}$
 PC STA = 800+66.01
 PT STA = 802+10.76

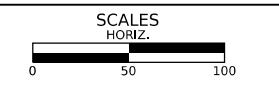


MODEL: Sheets
 FILE NAME: C:\3030324-US Rte 20 Roundabout\CAD\Sheets\05 Alignment ties and benchmarks.dgn



DESIGNED -	TGB	REVISED -	
DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	2/14/2024	REVISED -	

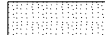



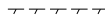


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

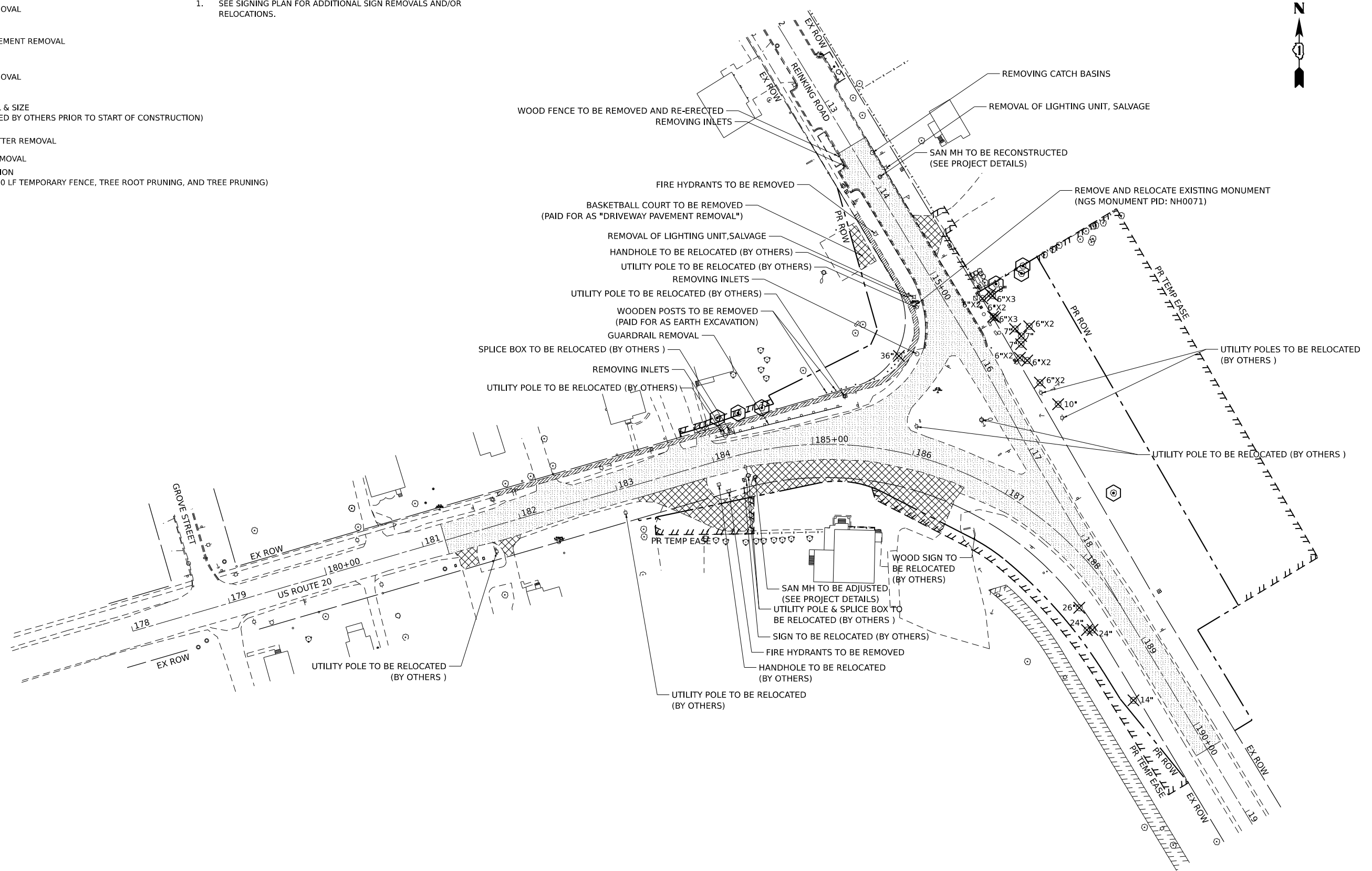


ALIGNMENT, TIES, & BENCHMARKS
PROPOSED ALIGNMENTS

SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 21
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

- LEGEND**
-  PAVEMENT REMOVAL
 -  DRIVEWAY PAVEMENT REMOVAL
 -  SIDEWALK REMOVAL
 -  TREE REMOVAL & SIZE
(TO BE REMOVED BY OTHERS PRIOR TO START OF CONSTRUCTION)
 -  CURB AND GUTTER REMOVAL
 -  GUARDRAIL REMOVAL
 -  TREE PROTECTION
(PAID FOR AS 40 LF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING)
- NOTES:**
- SEE SIGNING PLAN FOR ADDITIONAL SIGN REMOVALS AND/OR RELOCATIONS.

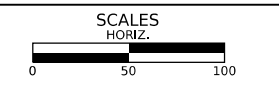


MODEL: US 20 (Sheet) FILE NAME: 19020224 - US Rte 20 RoundaboutCAD/Sheet06 Removal50.dgn



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

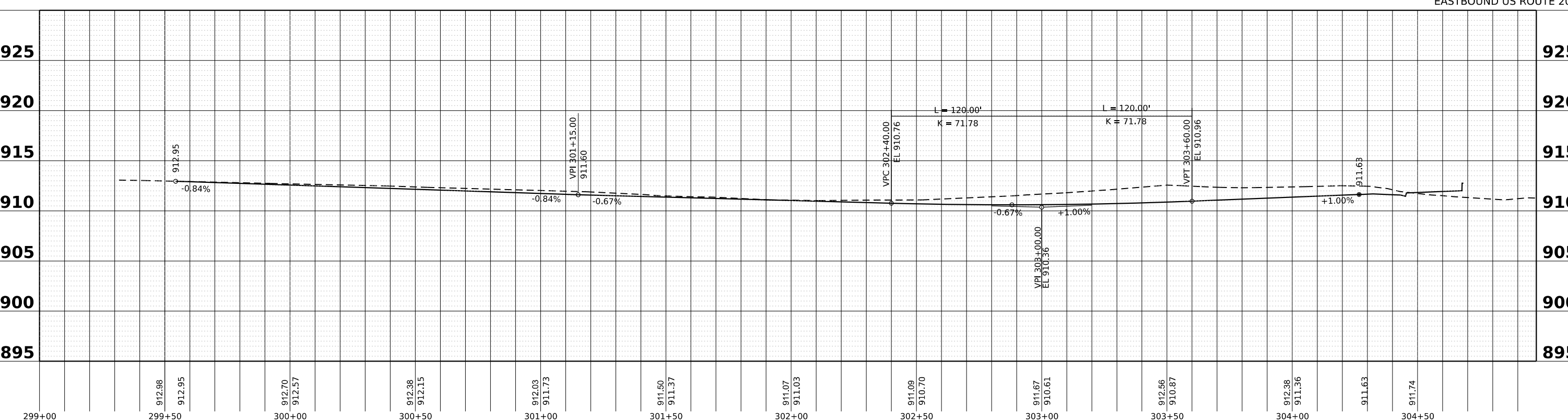
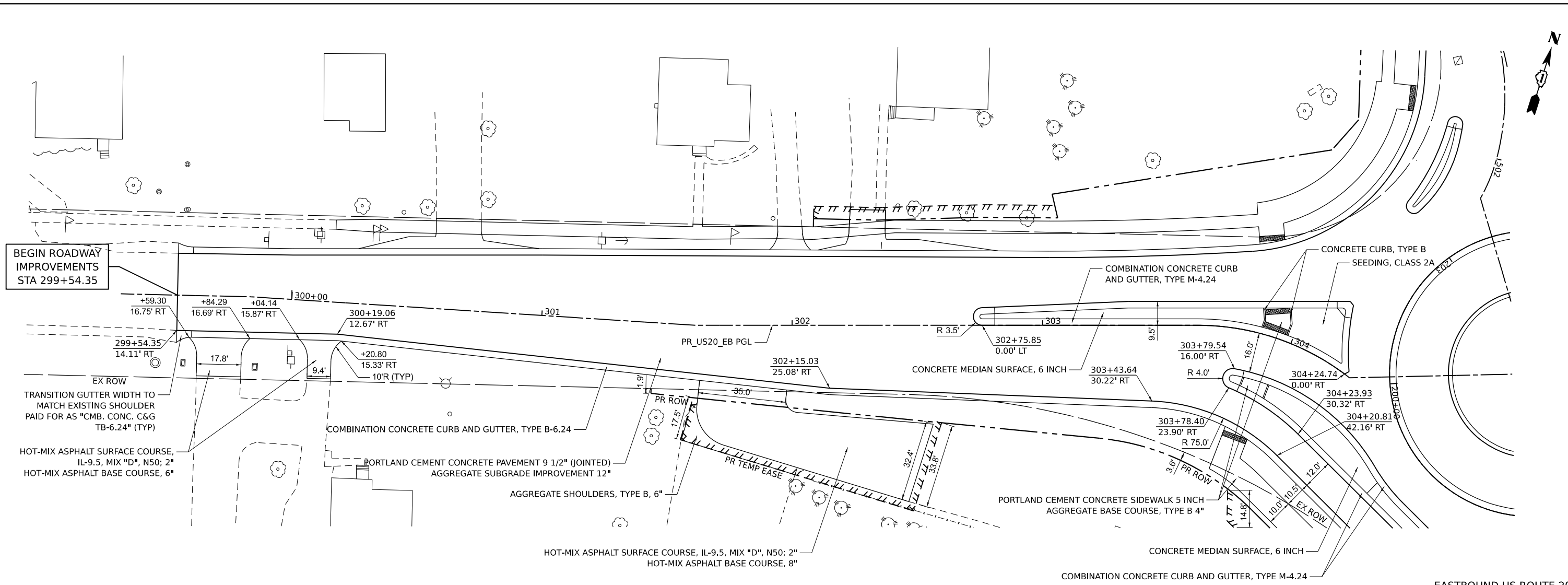
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



REMOVAL PLAN

SHEET 1 OF 1 SHEETS STA. TO STA.

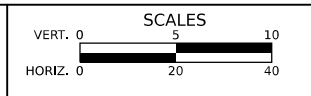
F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 22
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

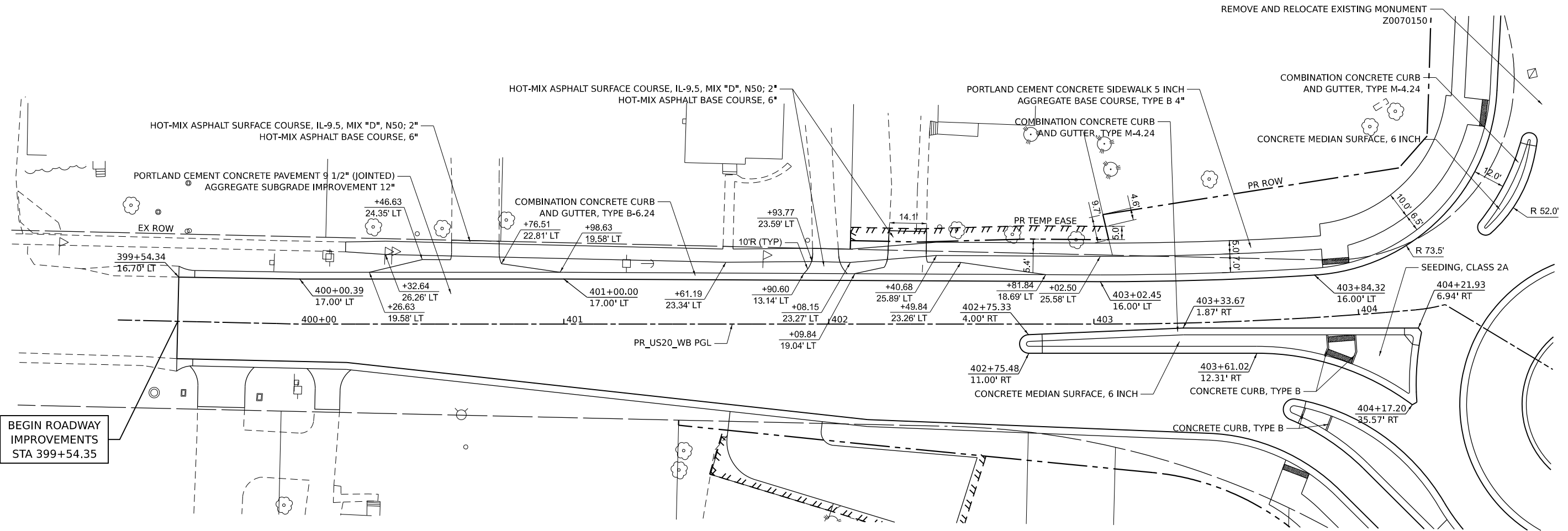
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



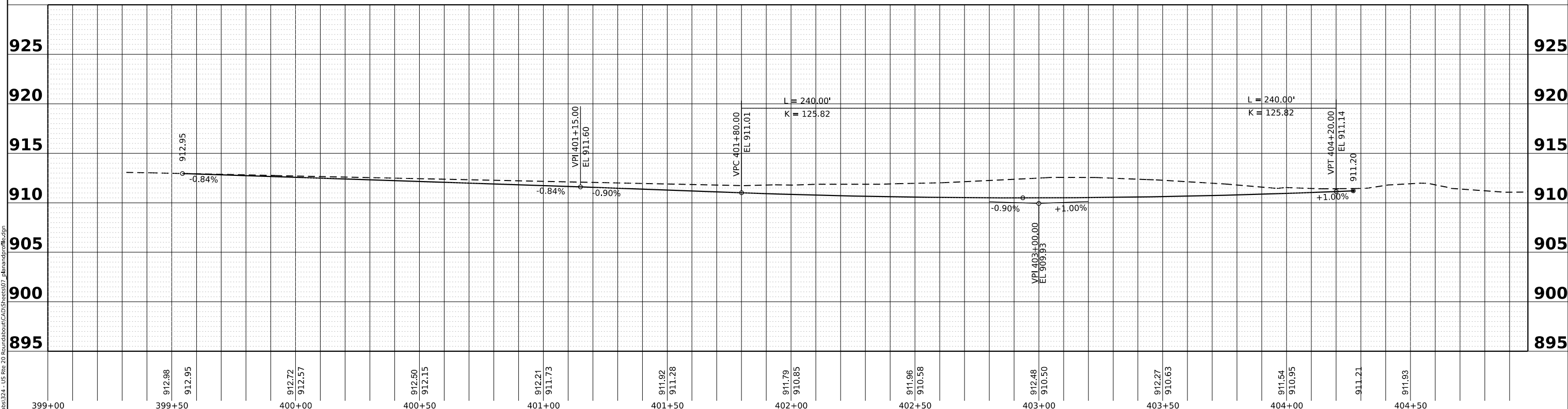
PLAN AND PROFILE
SHEET 1 OF 7 SHEETS
STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 23
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MODEL SHEETS
FILE NAME: C:\projects\24-US Rte 20 Roundabout\CAD\Sheets\07_bmas\pdr\brc.dgn

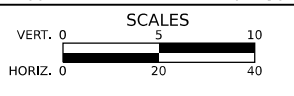


WESTBOUND US ROUTE 20



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

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DEPARTMENT OF TRANSPORTATION**

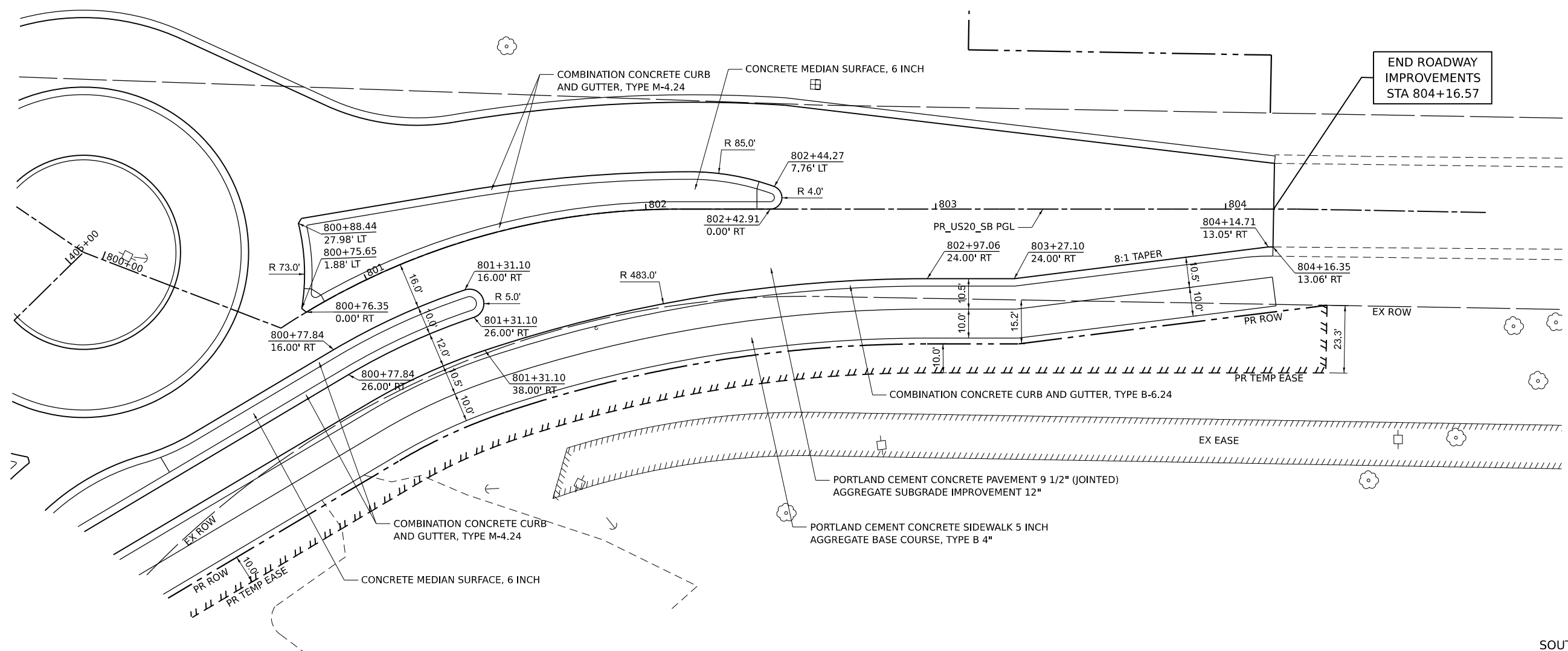
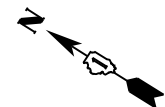


PLAN AND PROFILE

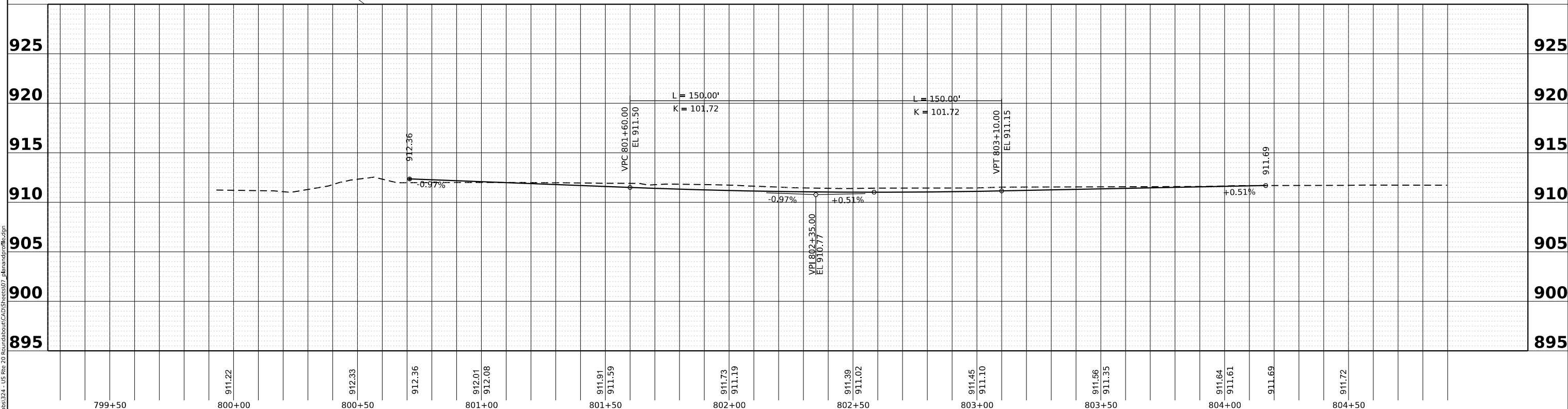
SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 24
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MODEL SHEETS
FILE NAME: C:\projects\24 - US Rte 20 Roundabout\CAD\Sheets\07 - planandprofile.dgn



SOUTHBOUND US ROUTE 20

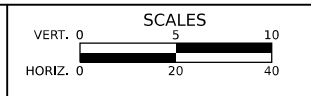


MODEL SHEETS
FILE NAME: C:\projects\24-US Rte 20 Roundabout\CAD\Sheets\07_planandprofile.dgn

Bravo Company
ENGINEERING

DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

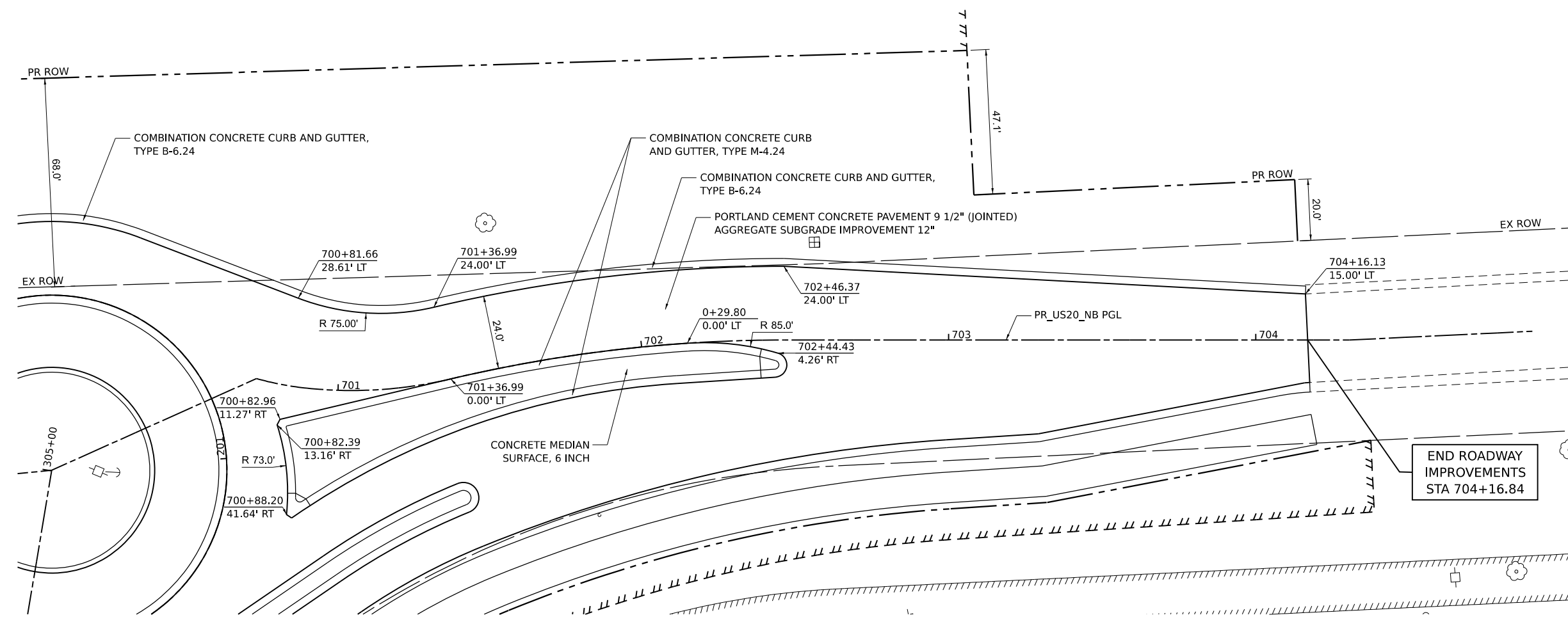
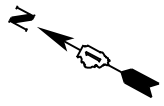
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



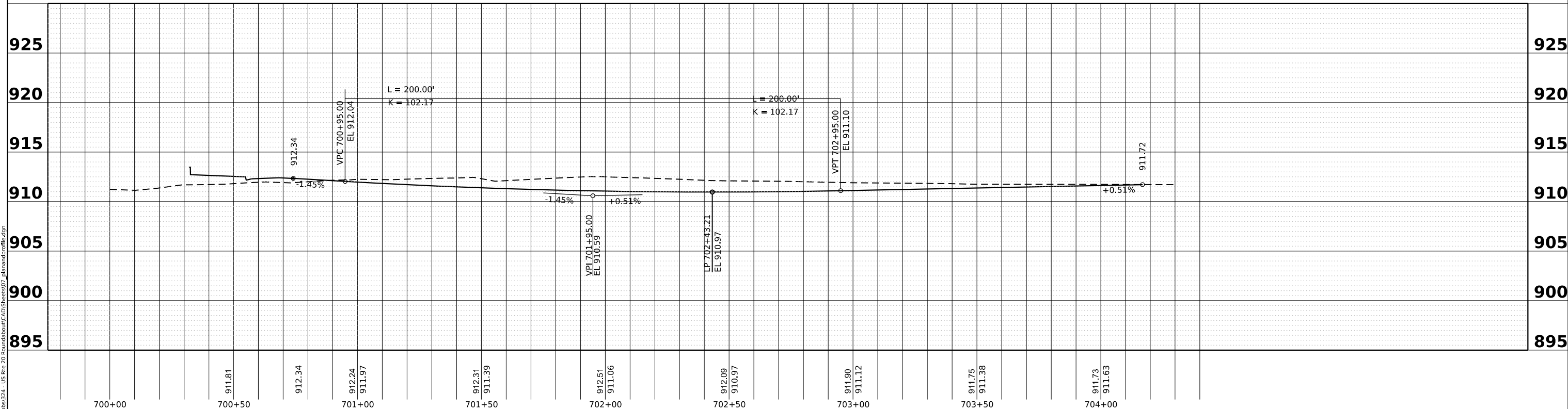
PLAN AND PROFILE

SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 25
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



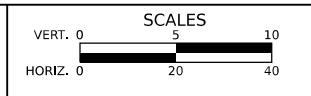
NORTHBOUND US ROUTE 20



Bravo Company
ENGINEERING

DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

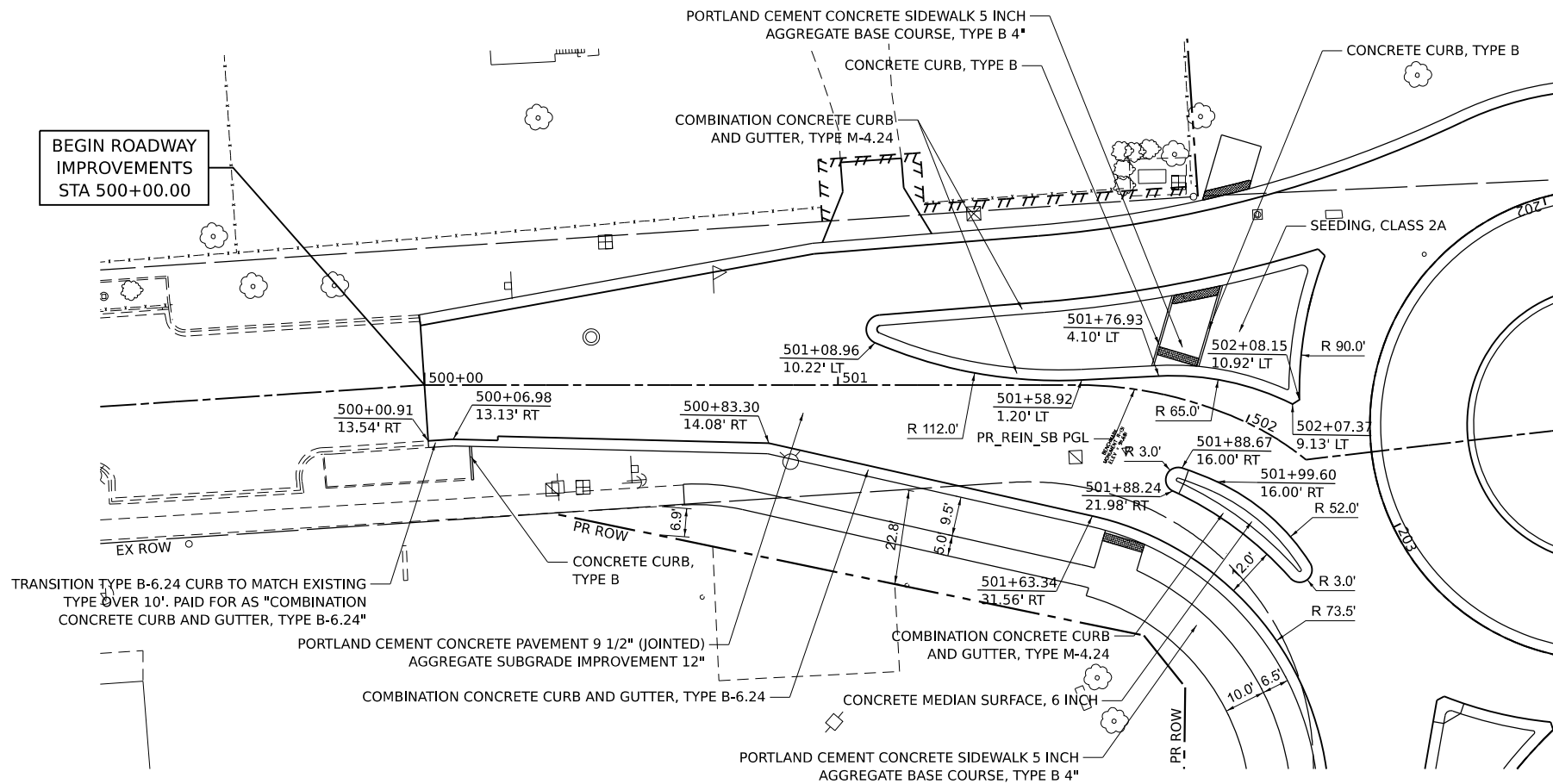
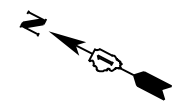
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



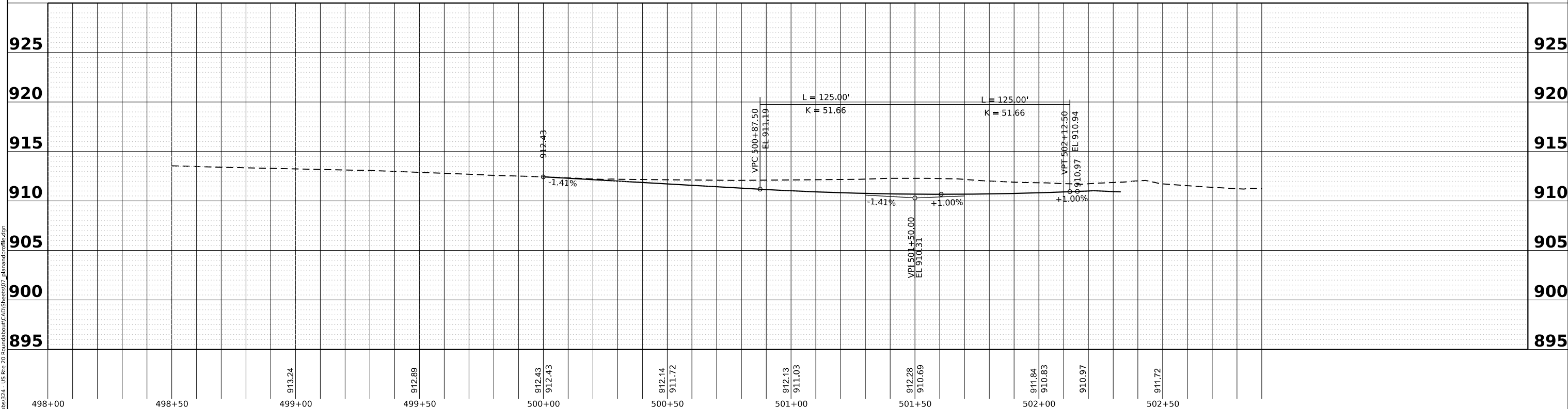
PLAN AND PROFILE

SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 26
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SOUTHBOUND REINKING ROAD

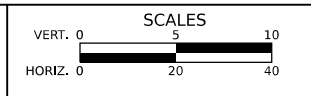


MODEL SHEET
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DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

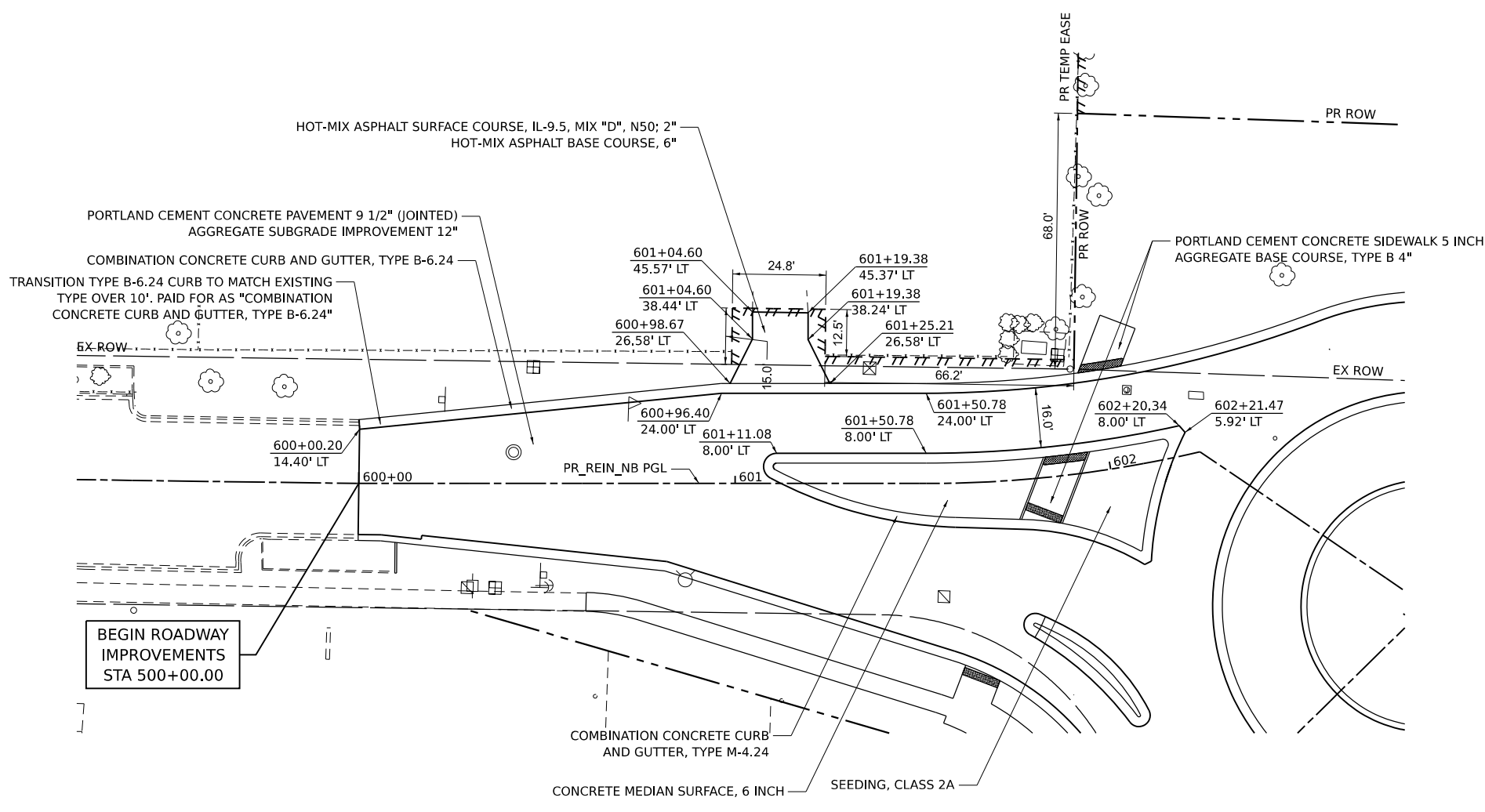
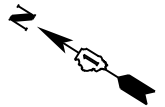
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



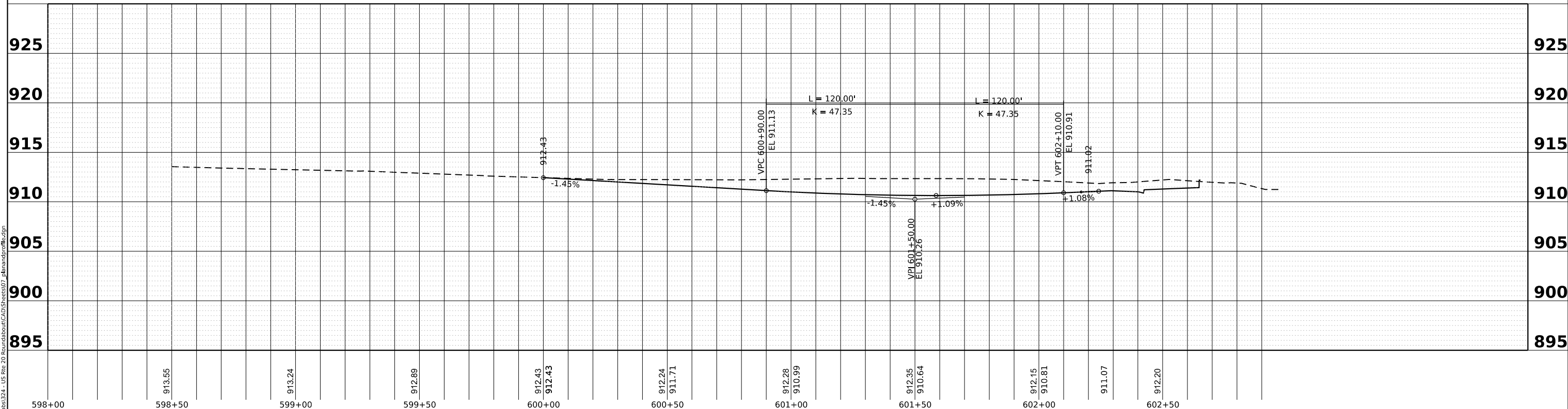
PLAN AND PROFILE

SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 27
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



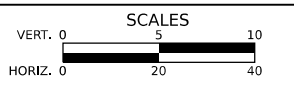
NORTHBOUND REINKING ROAD



MODEL SHEETS
FILE NAME: C:\projects\24- US Rte 20 Roundabout\CAD\Sheets\07_planandprofile.dgn

DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

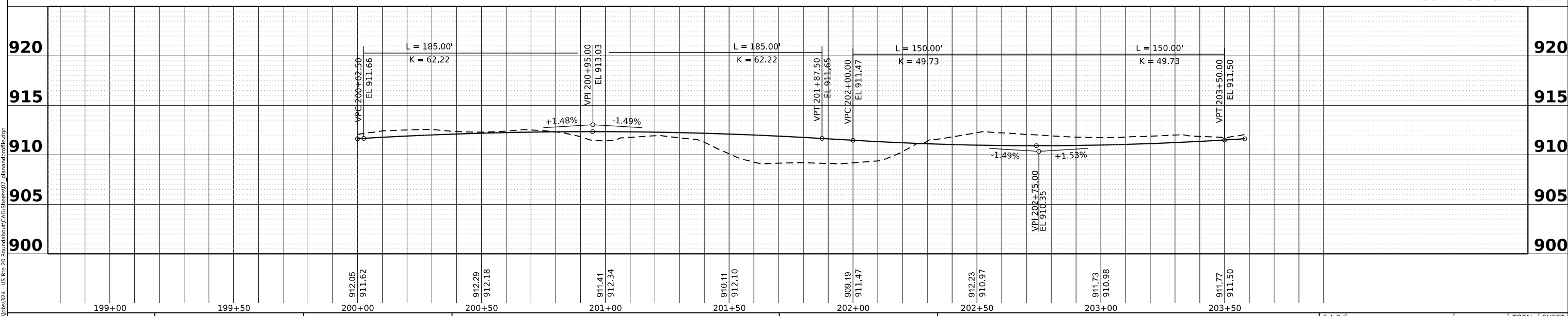
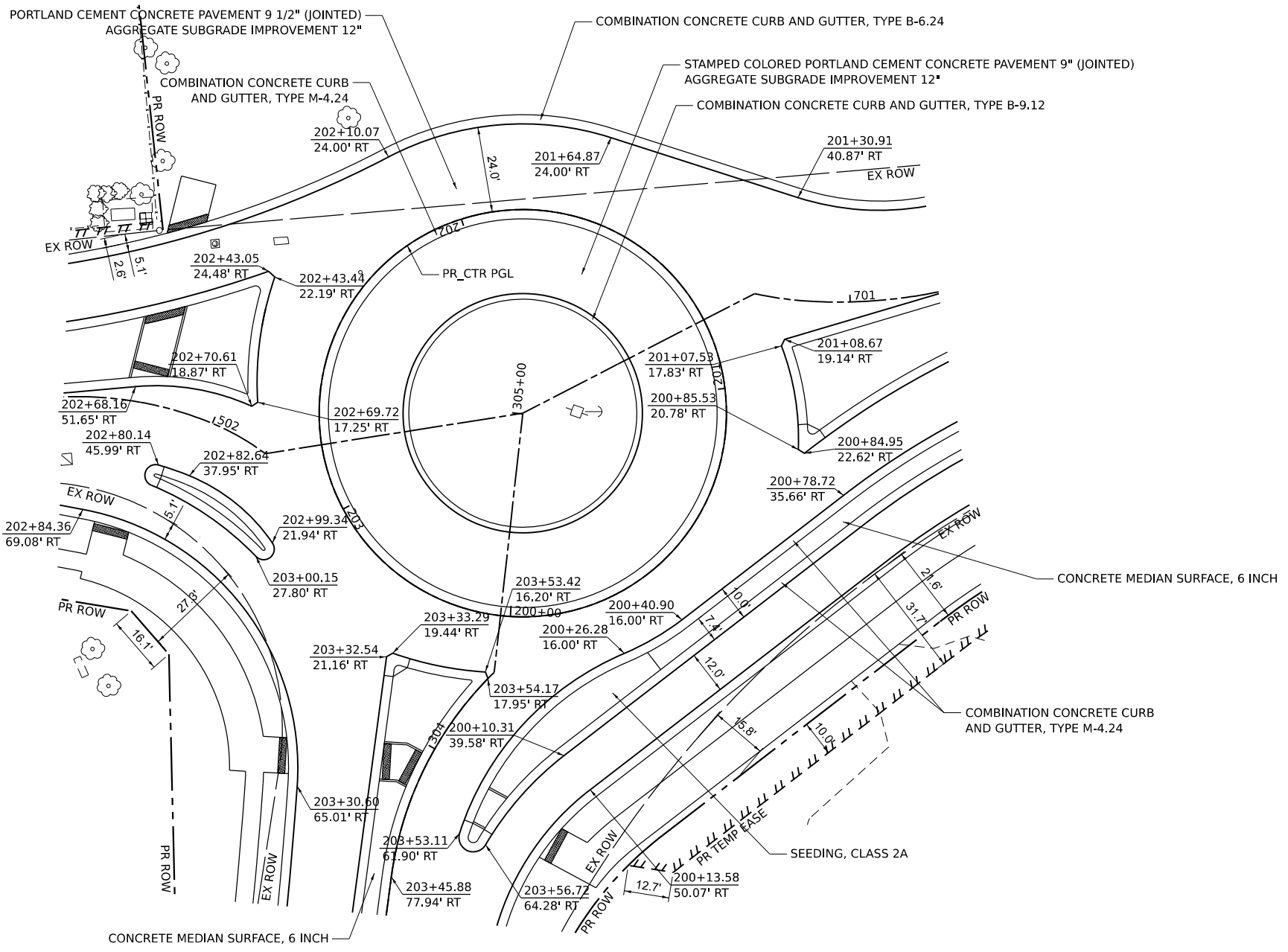
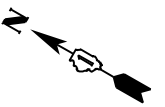
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



PLAN AND PROFILE

SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 28
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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DATE - 2/14/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN AND PROFILE
 SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 29
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL AND PROTECTION NOTES

- THE PERMANENT TRAFFIC CONTROL DEPICTED HERE IN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN IN THE INDEX OF SHEETS AND THE 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
- THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS, AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.
- WORK ZONE SPEED LIMIT SHALL BE 20 MPH.
- ALL ROAD CONSTRUCTION AHEAD SIGNS, ROAD CLOSED AHEAD SIGNS, AND TYPE III BARRICADES SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS.
- ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH 107.25 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN.
- THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTING THE CHANGES.
- TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURE OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
- THE ENGINEER SHALL BE INFORMED A MINIMUM OF 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.
- ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER SEVEN (7) DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. ALL MARKINGS THAT REQUIRE REPLACEMENT PRIOR TO SEVEN (7) DAYS OF SERVICE OR REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM THE TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL BE A REFLECTIVE 3" X 6" DELINEATOR INSTALLED, COST OF THE DELINEATOR IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED, REMOVED, DAMAGED, OR OTHERWISE AFFECTED BY CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING PEDESTRIAN CROSSINGS AND WALKWAYS TO THE BEST OF THEIR ABILITY. ANY SIDEWALKS OR PATHS THAT NEED TO BE CLOSED SHALL BE CLOSED IN ACCORDANCE WITH HIGHWAY STANDARD 701801.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE AND EROSION CONTROL PROTECTION DURING ALL PHASES OF CONSTRUCTION.
- SIGNING FOR COMMERCIAL DRIVEWAYS SHALL FOLLOW DISTRICT 1 DETAIL TC-26.
- CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL ROAD CLOSURE AND TRAFFIC STAGE CHANGE EVENTS ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
- TEMPORARY PAVEMENT MARKINGS SHOWN IN THE MAINTENANCE OF TRAFFIC PLANS SHALL BE "TEMPORARY PAVEMENT MARKING TAPE, TYPE IV", UNLESS THE CONSTRUCTION STAGING WILL EXTEND OVER THE WINTER PERIOD THEN "TEMPORARY PAVEMENT MARKING MODIFIED URETHANE SHALL BE USED".
- 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" AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE SHALL BE BACKFILLED IN ACCORDANCE WITH TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH ROADWAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.

SUGGESTED SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC

THE FOLLOWING SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC IS SUGGESTED. VARIATIONS MAY BE MADE WITH THE PRIOR APPROVAL OF THE ENGINEER.

FOR EACH STAGE OF CONSTRUCTION, PROVIDE TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS. COORDINATE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES WITH THE EXISTING TRAFFIC PATTERNS AT THE ENDS OF THE PROJECT

PRE-STAGE (NOT ILLUSTRATED)

- ERECT ALL ADVANCED CONSTRUCTION SIGNING.
- IMPLEMENT SOIL AND SEDIMENT EROSION CONTROL PLAN AND PROVIDE TEMPORARY FENCE WHERE PERIMETER EROSION CONTROL BARRIER IS NOT SHOWN.
- REMOVE TREES AND RELOCATE TRAFFIC SIGNS WHERE NECESSARY.
- CONSTRUCT STORM SEWER PIPE 6" AND WATERMAIN CROSSING NEAR STA. 184+52 UTILIZING STANDARD 701501. CONSTRUCT PAVEMENT PATCH OVER BOTH TRENCHES.
- CONSTRUCT TEMPORARY PAVEMENT, TEMPORARY AGGREGATE SHOULDER, AND TEMPORARY DITCH ALONG THE SOUTH AND WEST SIDES OF U.S. ROUTE 20.
- ESTABLISH TEMPORARY DITCH OUTFALL USING TEMPORARY DRAINAGE STRUCTURE T3.

STAGE 1

- REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS. ERECT BARRICADES AND TEMPORARY TRAFFIC SIGNS. IMPLEMENT REINING ROAD CLOSURE AND DETOUR.
- REMOVE EXISTING PAVEMENT, CURB AND GUTTER, SIDEWALK, SHOULDER, AND GUARDRAIL WITHIN WORK ZONE DEPICTED IN MOT - STAGE 1 PLANS.
- CONSTRUCT STORM SEWERS AND DRAINAGE STRUCTURES ALONG THE NORTH SIDE OF U.S. ROUTE 20 AND ALONG REINKING ROAD. CONSTRUCT REMAINING WATERMAIN.
- CONSTRUCT PROPOSED LIGHTING UNITS ALONG THE NORTH AND EAST SIDES OF THE ROUNDABOUT AND AS DEPICTED IN MOT - STAGE 1 PLANS. LIGHTING UNITS SHALL BE IN PLACE AND FUNCTIONING BEFORE ANY TRAFFIC IS SHIFTED ONTO NEW PAVEMENT IN STAGES 2 AND 3 AND FOR THE DURATION OF CONSTRUCTION.
- CONSTRUCT PROPOSED CURB AND GUTTER, DRIVEWAY PAVEMENT, ROADWAY PAVEMENT, AND SIDEWALK ON THE NORTH AND EAST SIDES OF U.S. ROUTE 20 AND ON REINKING ROAD.

STAGE 2

- REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS. ERECT BARRICADES AND TEMPORARY TRAFFIC SIGNS. OPEN REINKING ROAD TO TRAFFIC.
- REMOVE EXISTING PAVEMENT WITHIN WORK ZONE DEPICTED IN MOT - STAGE 2 PLANS.
- CONSTRUCT PROPOSED ROADWAY PAVEMENT AND TEMPORARY PAVEMENT AS SHOWN IN MOT - STAGE 2 PLANS.

STAGE 3

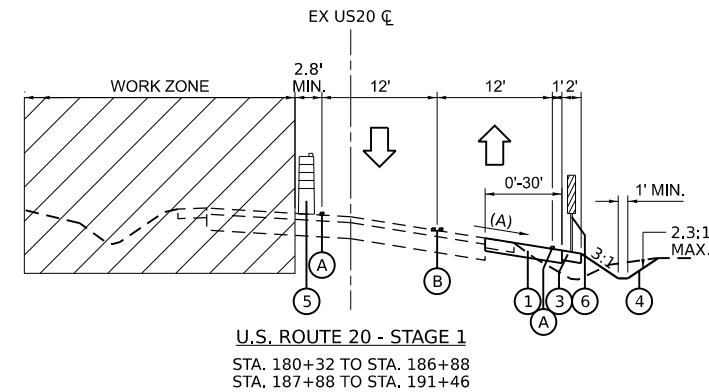
- REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS. ERECT BARRICADES AND TEMPORARY TRAFFIC SIGNS. SHIFT TRAFFIC AS SHOWN IN MOT - STAGE 3 PLANS.
- REMOVE EXISTING PAVEMENT, TEMPORARY PAVEMENT, TEMPORARY DITCH, AND TEMPORARY AGGREGATE SHOULDER WITHIN WORK ZONE DEPICTED IN MOT - STAGE 3 PLANS.
- CONSTRUCT REMAINING LIGHTING UNITS ALONG THE SOUTH AND WEST SIDES OF THE ROUNDABOUT.
- CONSTRUCT PROPOSED CURB AND GUTTER, DRIVEWAY PAVEMENT, ROADWAY PAVEMENT, AND SIDEWALK ON THE SOUTH AND WEST SIDES OF U.S. ROUTE 20.

STAGE 3A (NOT ILLUSTRATED)

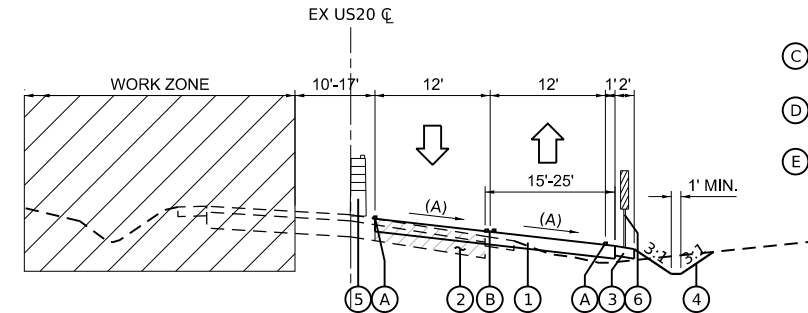
- REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS. ERECT BARRICADES AND TEMPORARY TRAFFIC SIGNS. SHIFT TRAFFIC AS SHOWN IN MOT - STAGE 3A PLANS.
- REMOVE EXISTING TEMPORARY PAVEMENT ALONG U.S. ROUTE 20 MEDIAN.
- CONSTRUCT PROPOSED CURB AND GUTTER AND ROADWAY PAVEMENT ALONG U.S. ROUTE 20.

STAGE 4 (NOT ILLUSTRATED)

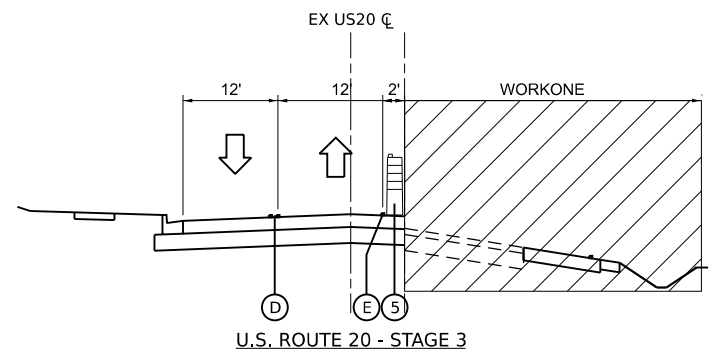
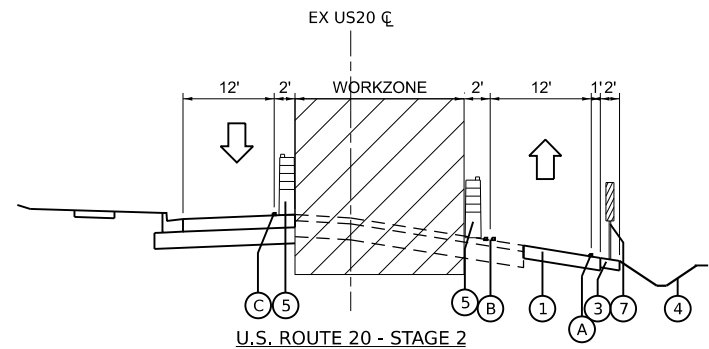
- COMPLETE LANDSCAPE RESTORATION.
- INSTALL PERMANENT SIGNING AND STRIPING.
- REMOVE CONSTRUCTION SIGNS AND ALL OTHER TRAFFIC CONTROL DEVICES.



(A) WHERE 12' THROUGH LANES FALL PARTIALLY ON EXISTING PAVEMENT, PROPOSED TEMPORARY PAVEMENT SHALL BE CONSTRUCTED AT A CROSS SLOPE MATCHING THE ADJACENT EXISTING PAVEMENT CROSS SLOPE. SEE STAGED CROSS SECTIONS FOR FURTHER DETAIL.



(A) FROM STA. 186+88 TO STA. 187+88, TRANSITION CROSS SLOPE FROM 11.3% TO 6.5%.



LEGEND

- ① TEMPORARY PAVEMENT (PAID FOR AS "TEMPORARY PAVEMENT")
- ② PAVEMENT REMOVAL
- ③ TEMPORARY AGGREGATE SHOULDER, 6" (PAID FOR AS "AGGREGATE SHOULDERS, TYPE B")
- ④ TEMPORARY DITCH
- ⑤ DRUM
- ⑥ DOUBLE VERTICAL PANEL
- ⑦ SINGLE VERTICAL PANEL
- Ⓐ TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE, WHITE
- Ⓑ TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE, DOUBLE YELLOW @ 11" C-C WITH BI-DIRECTIONAL AMBR TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- Ⓒ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE, YELLOW
- Ⓓ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE, DOUBLE YELLOW
- Ⓔ TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE, WHITE

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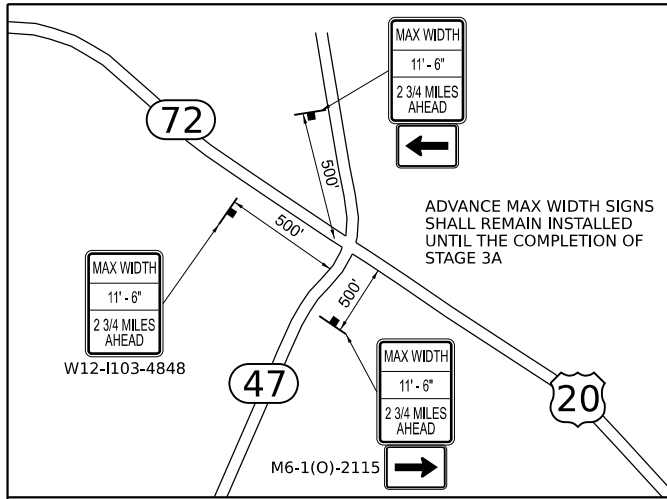
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - NOTES

SHEET 1 OF 15 SHEETS STA. TO STA.

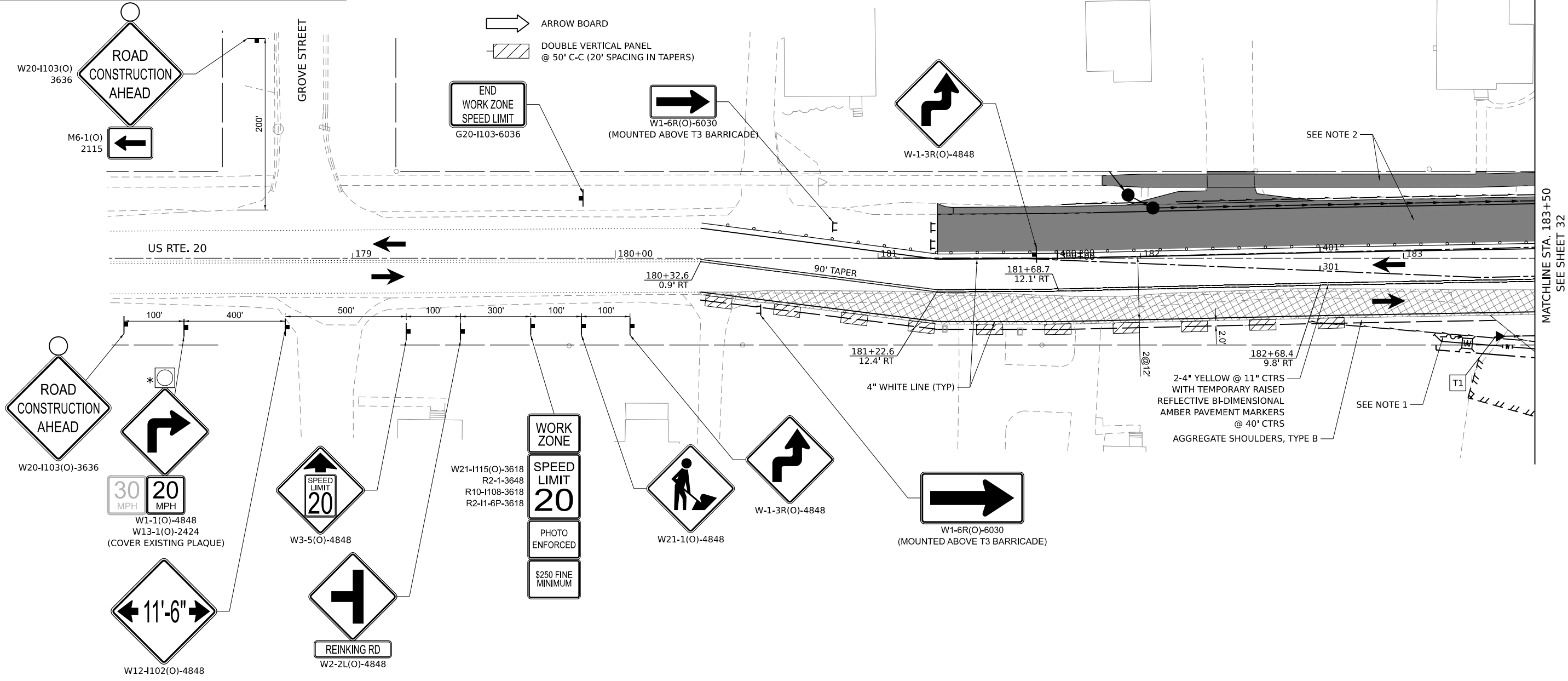
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CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND**
- PERMANENT CONSTRUCTION DURING STAGE
 - TEMPORARY PAVEMENT
 - CLASS D PATCHES, TYPE III, 12 INCH
 - DRUMS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250 FEET)
 - TYPE III BARRICADES WITH FLASHING LIGHTS
 - DIRECTION OF TRAFFIC PATTERNS
 - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
 - ARROW BOARD
 - DOUBLE VERTICAL PANEL @ 50' C-C (20' SPACING IN TAPERS)

- NOTES**
1. BETWEEN STA. 183+15 RT TO STA. 191+00 RT, GRADE AND SHAPE TEMPORARY DITCH TO DRAIN TOWARDS TEMPORARY STRUCTURE T3.
 2. THE CONTRACTOR SHALL STAGE CONSTRUCT PROPOSED SIDEWALK AND ROADWAY PAVEMENT IN SUCH A WAY AS TO MAINTAIN A PEDESTRIAN ACCESS ROUTE THROUGHOUT CONSTRUCTION. THE ROUTE MAY UTILIZE EXISTING SIDEWALK, EXISTING PAVEMENT, PROPOSED SIDEWALK, PROPOSED PAVEMENT, OR A COMBINATION OF THE FOUR BUT MUST MEET PROWAG REQUIREMENTS. SEE IDOT STANDARD 701801 FOR FURTHER DETAIL. WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

T1 PRC FES 12
183+35.2, 29.7' RT
INV = 908.12



* EXISTING SIGN ASSEMBLY AND FLASHING BEACON INSTALLATION SHALL BE REMOVED AFTER THE COMPLETION OF STAGE 2.

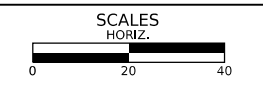
MATCHLINE STA. 183+50
SEE SHEET 32

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



MAINTENANCE OF TRAFFIC - STAGE 1

SHEET 2 OF 15 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 31
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

US ROUTE 20

NOTES

1. BETWEEN STA. 183+15 RT TO STA. 191+00 RT, GRADE AND SHAPE TEMPORARY DITCH TO DRAIN TOWARDS TEMPORARY STRUCTURE T3.
2. THE CONTRACTOR SHALL STAGE CONSTRUCT PROPOSED SIDEWALK AND ROADWAY PAVEMENT IN SUCH A WAY AS TO MAINTAIN A PEDESTRIAN ACCESS ROUTE THROUGHOUT CONSTRUCTION. THE ROUTE MAY UTILIZE EXISTING SIDEWALK, EXISTING PAVEMENT, PROPOSED SIDEWALK, PROPOSED PAVEMENT, OR A COMBINATION OF THE FOUR BUT MUST MEET PROWAG REQUIREMENTS. SEE IDOT STANDARD 701801 FOR FURTHER DETAIL. WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
3. CONNECT TEMPORARY STRUCTURE T1 TO PROPOSED PIPE TO PROVIDE POSITIVE DRAINAGE AND OUTFALL OF TEMPORARY DITCH. COST OF MAKING CONNECTION INCLUDED IN THE COST OF STRUCTURE T3.

- T2 PRC FES 12
183+93.1, 28.9' RT
INV = 907.42
- T3 PRC FES 18
184+72.4, 33.5' RT
INV = 906.58
(SEE NOTE 3)

T1 46' - STORM SEW CL A 2, 12" @ 1.21%
TBF = 2 CU YD

PROPOSED LIGHTING UNITS ALONG THE NORTH AND EAST SIDE OF THE ROUNDABOUT SHALL BE INSTALLED DURING STAGE 1. THESE LIGHTING UNITS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO ANY TRAFFIC SHIFTS ONTO PROPOSED PAVEMENT AND FOR THE REMAINDER OF CONSTRUCTION.

SEE NOTE 2

SEE NOTE 1

AGGREGATE SHOULDERS, TYPE B

4" WHITE LINE (TYP)
2-4" YELLOW @ 11" CTRS WITH
TEMPORARY RAISED REFLECTIVE
BI-DIRECTIONAL AMBER PAVEMENT
MARKERS @ 40' CTRS



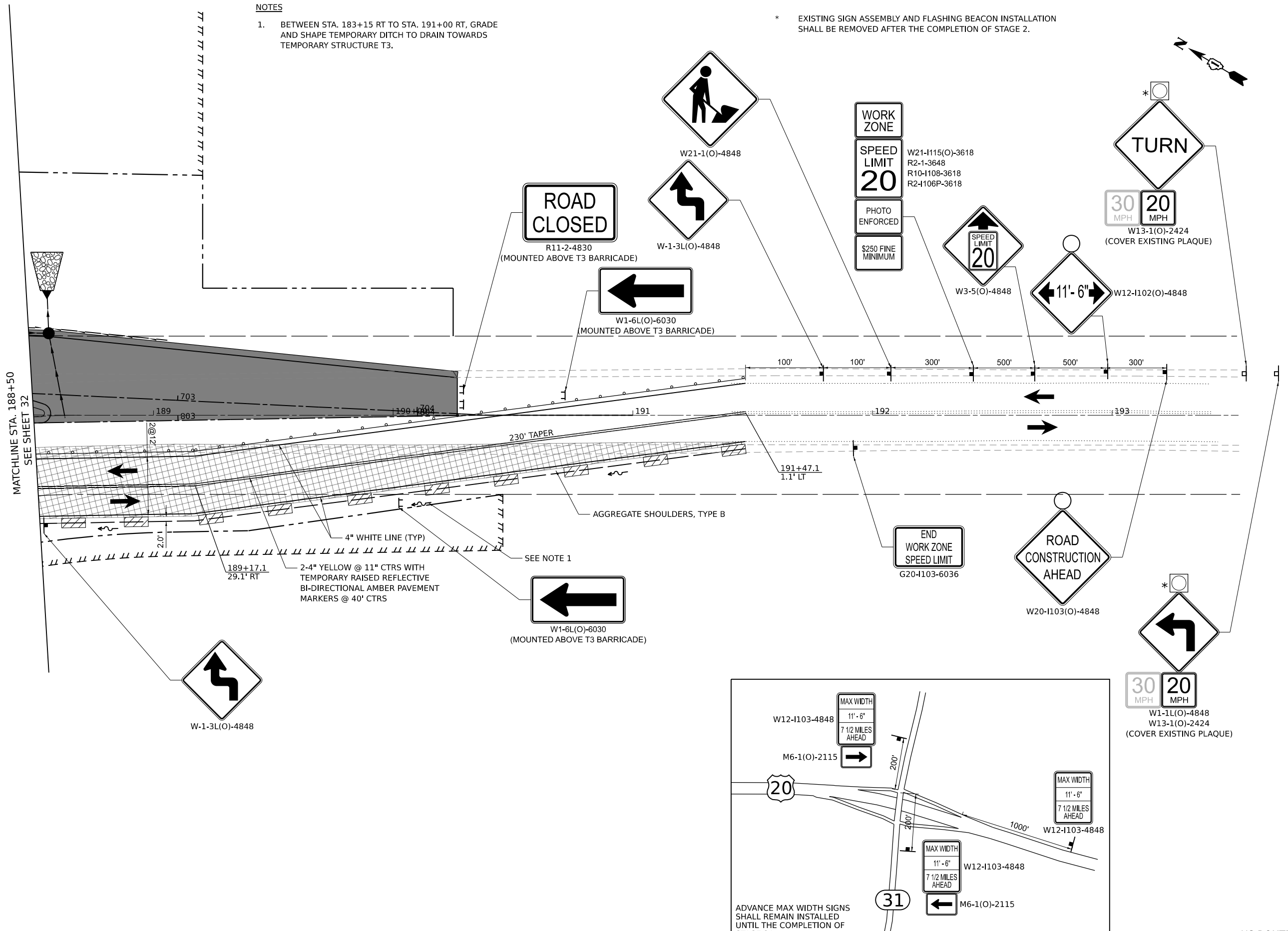
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	DATE - 2/14/2024	REVISED -								

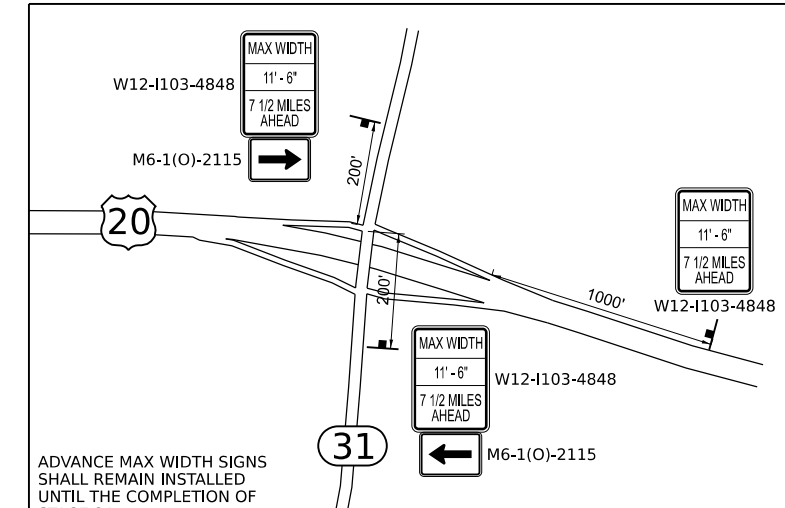
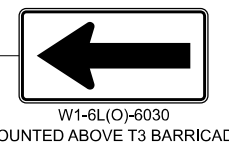
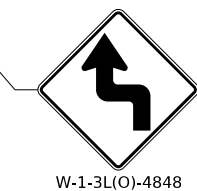
NOTES

- BETWEEN STA. 183+15 RT TO STA. 191+00 RT, GRADE AND SHAPE TEMPORARY DITCH TO DRAIN TOWARDS TEMPORARY STRUCTURE T3.

* EXISTING SIGN ASSEMBLY AND FLASHING BEACON INSTALLATION SHALL BE REMOVED AFTER THE COMPLETION OF STAGE 2.



MATCHLINE STA. 188+50
SEE SHEET 32

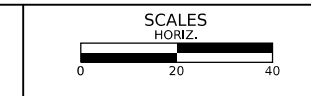


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



MAINTENANCE OF TRAFFIC - STAGE 1

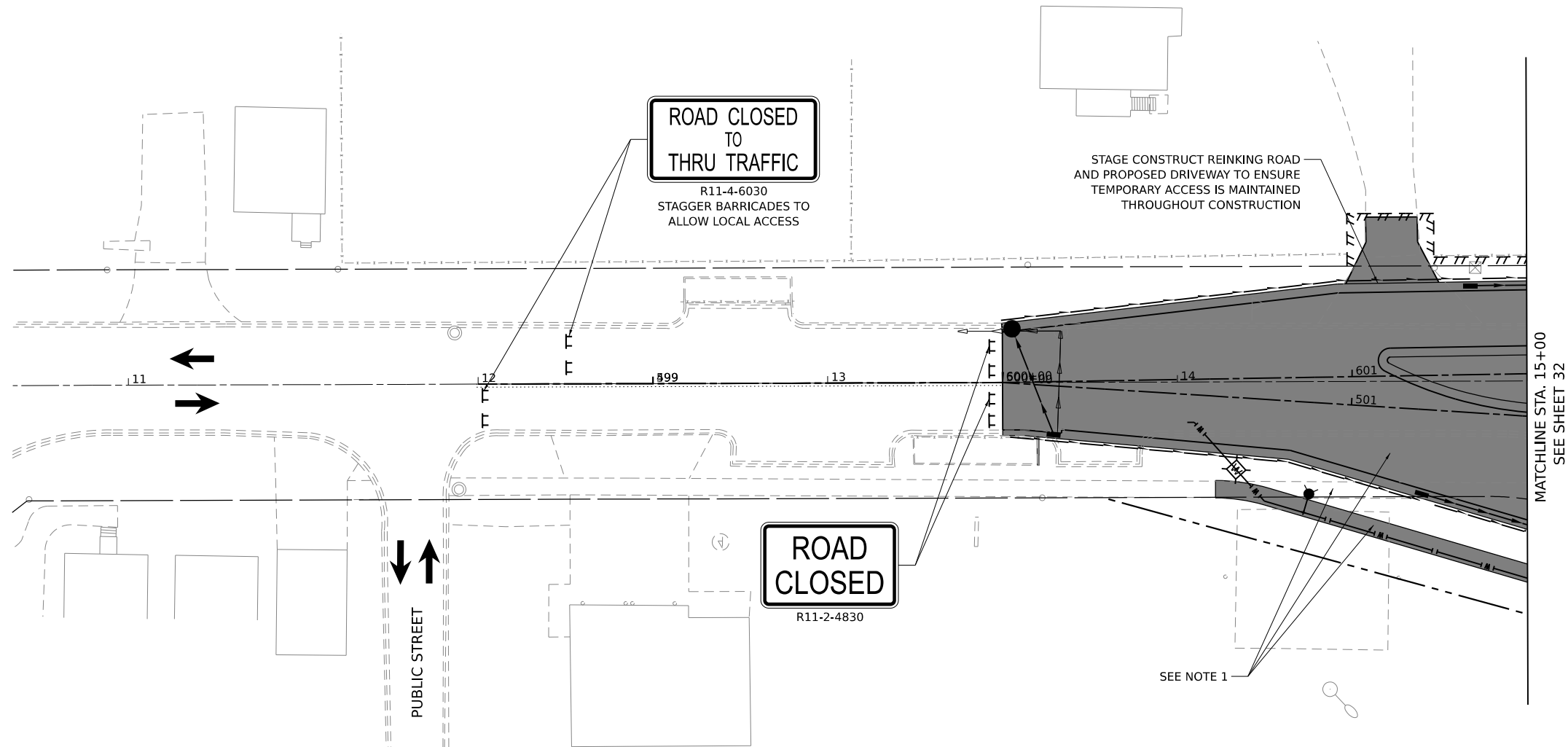
SHEET 4 OF 15 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 33
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

US ROUTE 20

NOTES

1. THE CONTRACTOR SHALL STAGE CONSTRUCT PROPOSED SIDEWALK AND ROADWAY PAVEMENT IN SUCH A WAY AS TO MAINTAIN A PEDESTRIAN ACCESS ROUTE THROUGHOUT CONSTRUCTION. THE ROUTE MAY UTILIZE EXISTING SIDEWALK, EXISTING PAVEMENT, PROPOSED SIDEWALK, PROPOSED PAVEMENT, OR A COMBINATION OF THE FOUR AND MUST MEET PROWAG REQUIREMENTS. SEE IDOT STANDARD 701801 FOR FURTHER DETAIL. WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

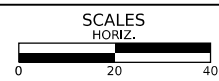


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



MAINTENANCE OF TRAFFIC - STAGE 1




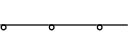





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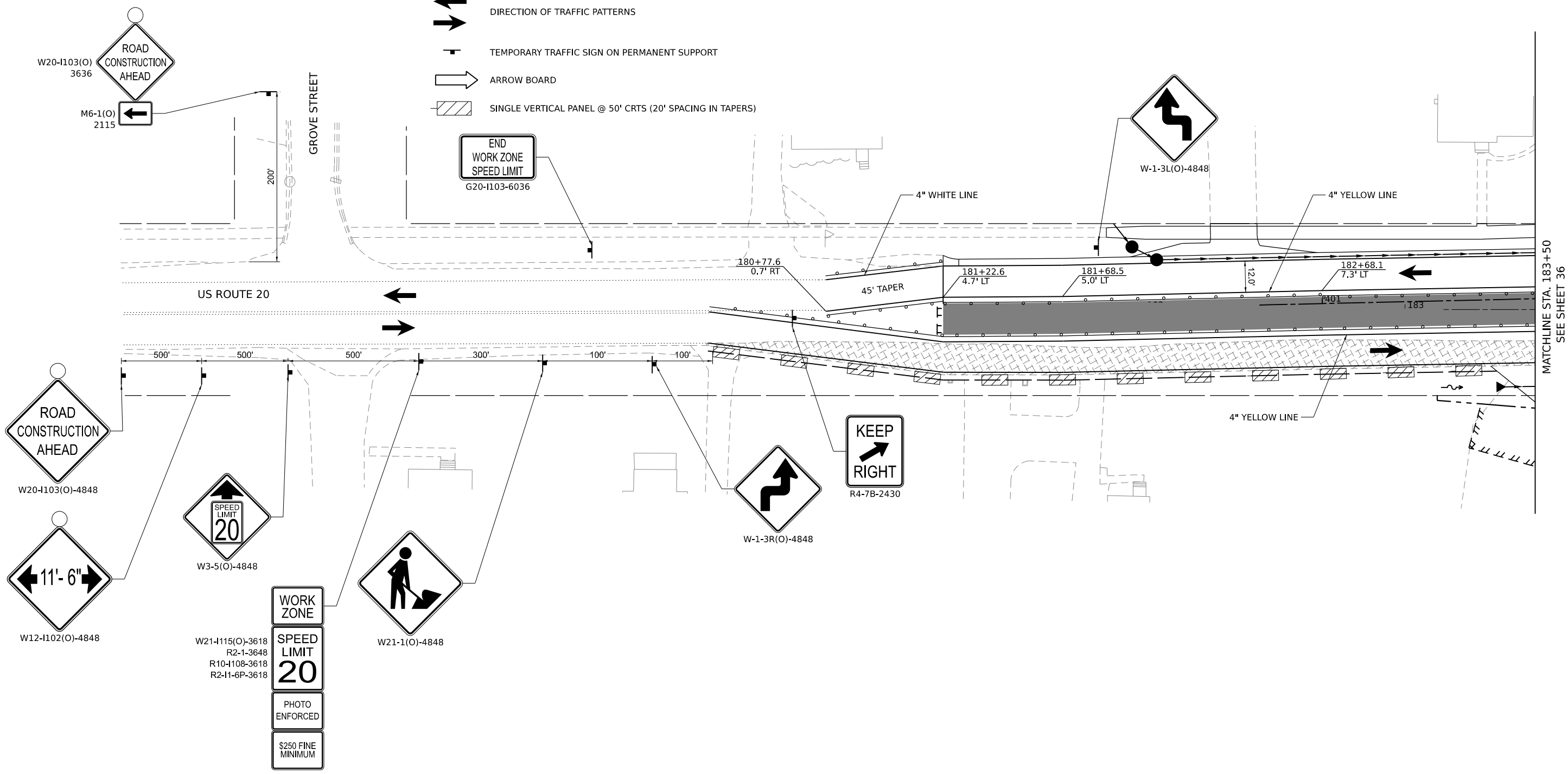
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	

REINKING ROAD



LEGEND

-  PERMANENT CONSTRUCTION DURING STAGE
-  TEMPORARY PAVEMENT
-  TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
-  DRUMS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250 FEET)
-  TYPE III BARRICADES WITH FLASHING LIGHTS
-  DIRECTION OF TRAFFIC PATTERNS
-  TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
-  ARROW BOARD
-  SINGLE VERTICAL PANEL @ 50' CRTS (20' SPACING IN TAPERS)



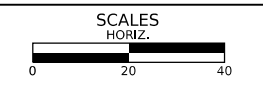
MATCHLINE STA. 183+50
SEE SHEET 36

MODEL SHEETS
FILE NAME: C:\308324 - US Rte 20 Roundabout\CAD\Sheets\08_mnt_scc2.dgn



DESIGNED -	TGB	REVISED -	
DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	2/14/2024	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

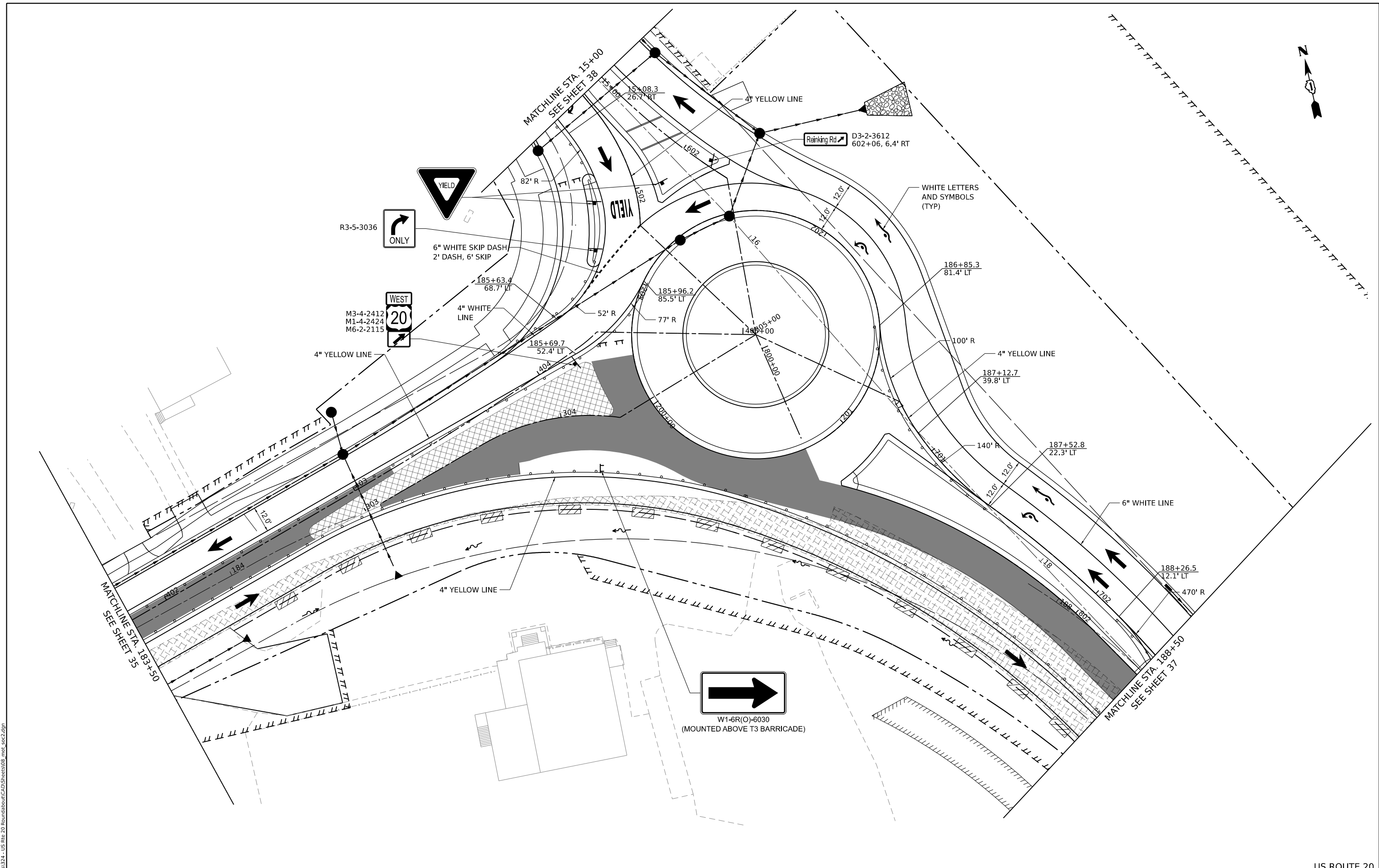


MAINTENANCE OF TRAFFIC - STAGE 2

SHEET 6 OF 15 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 35
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

US ROUTE 20

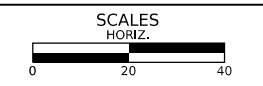


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DESIGNED -	TGB	REVISED -	
DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	2/14/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

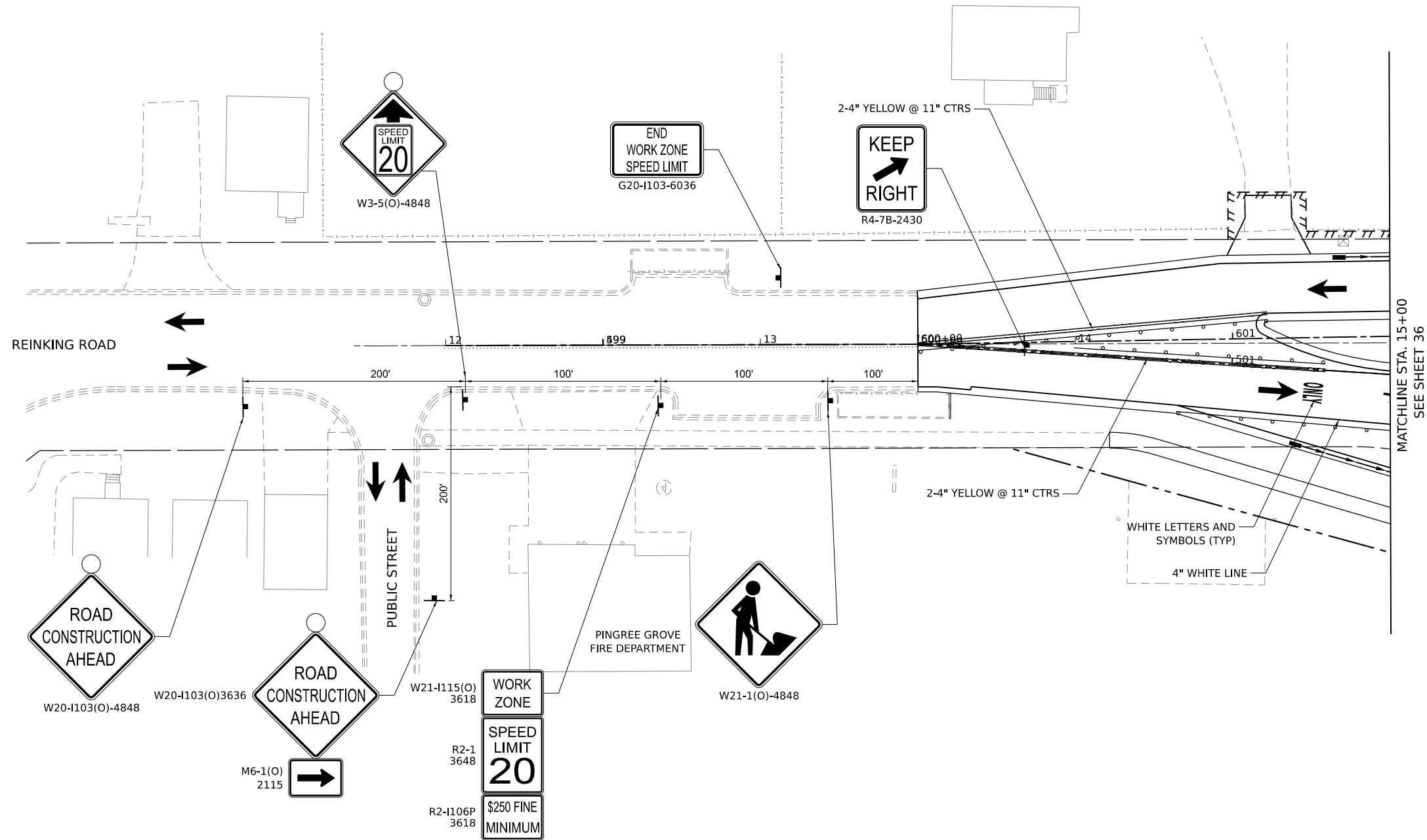
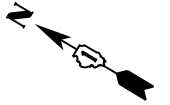


MAINTENANCE OF TRAFFIC - STAGE 2

SHEET 7 OF 15 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 36
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

US ROUTE 20

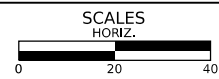


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DESIGNED -	TGB	REVISED -	
DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	2/14/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION






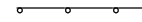




MAINTENANCE OF TRAFFIC - STAGE 2

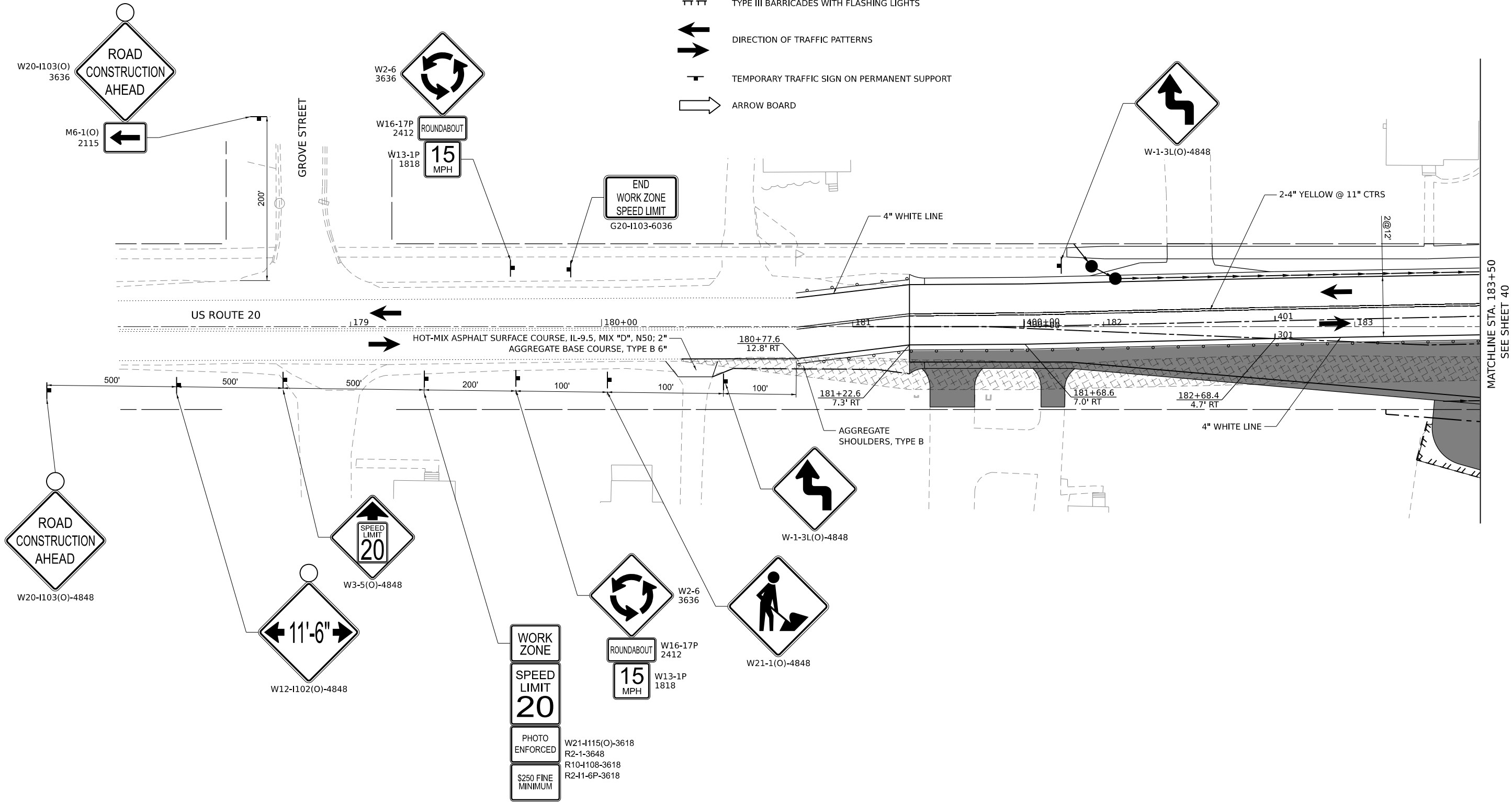
SHEET 9 OF 15 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 38
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	

REINKING ROAD

LEGEND

-  PERMANENT CONSTRUCTION DURING STAGE
-  TEMPORARY PAVEMENT
-  TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
-  DRUMS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250 FEET)
-  TYPE III BARRICADES WITH FLASHING LIGHTS
-  DIRECTION OF TRAFFIC PATTERNS
-  TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
-  ARROW BOARD



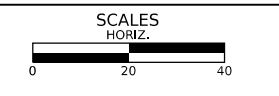
MATCHLINE STA. 183+50
SEE SHEET 40

MODEL: Sheets
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DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

**STATE OF ILLINOIS
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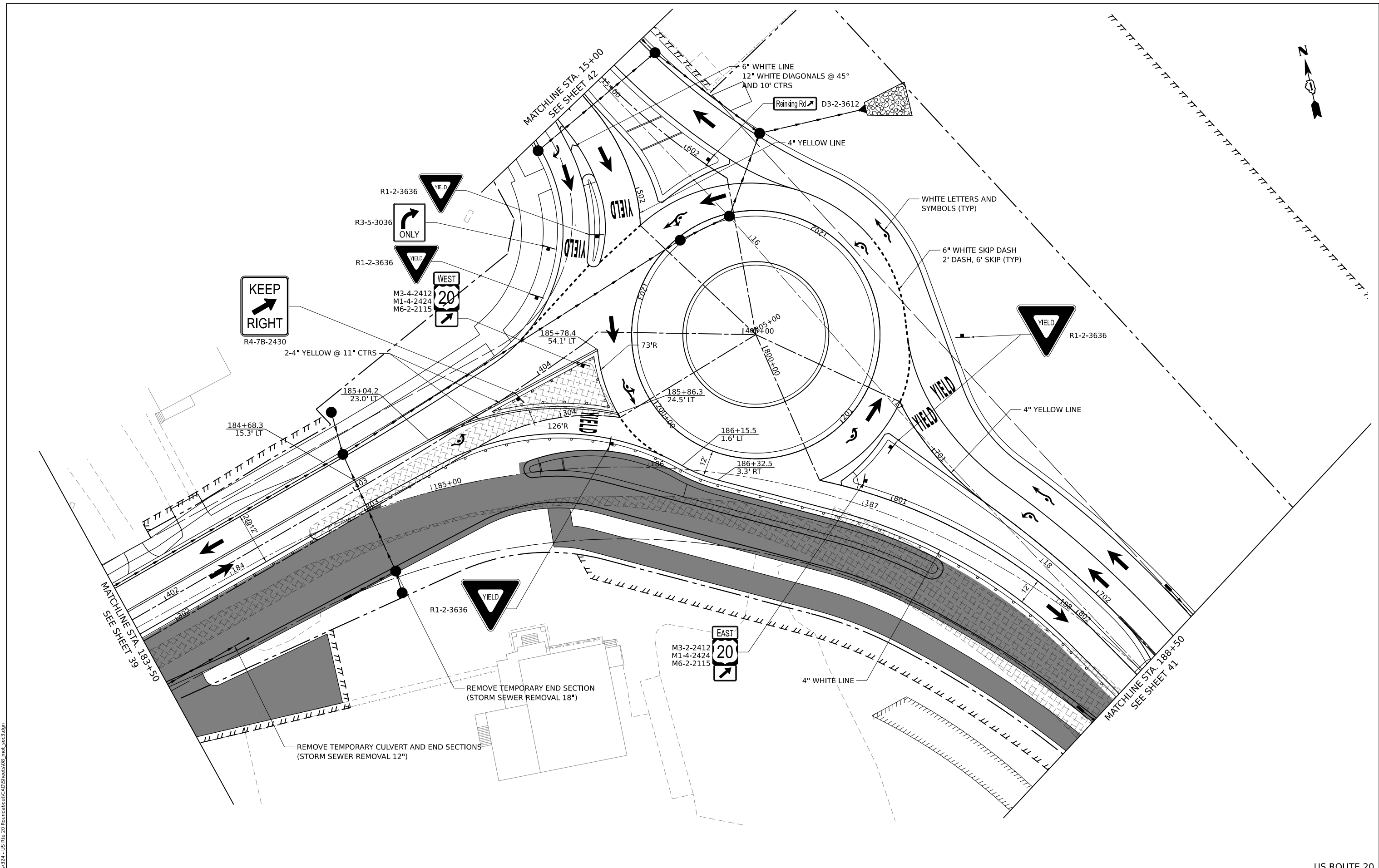


MAINTENANCE OF TRAFFIC - STAGE 3

SHEET 10 OF 15 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 39
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

US ROUTE 20

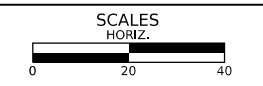


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CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

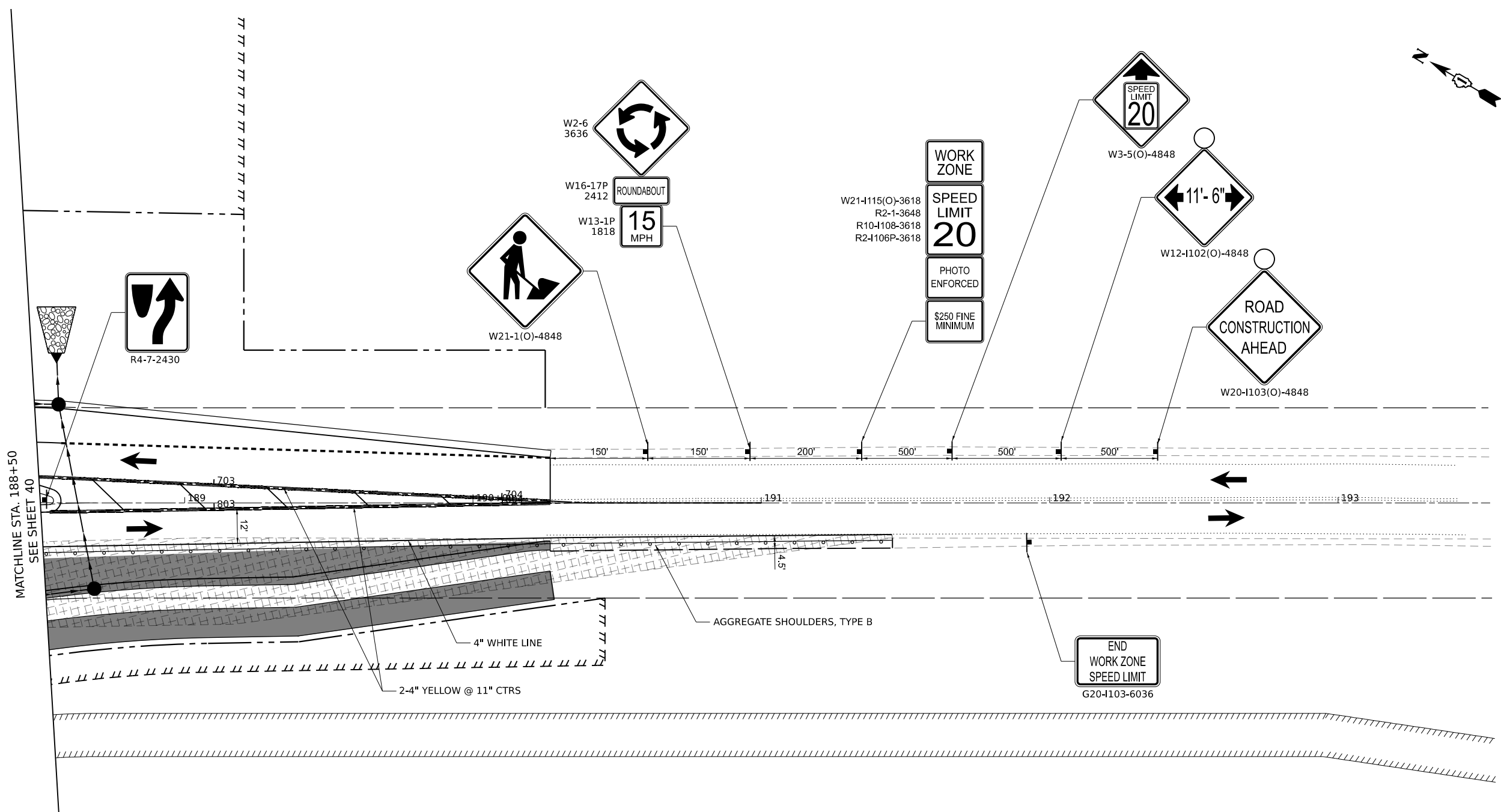
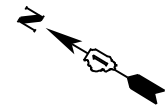


MAINTENANCE OF TRAFFIC - STAGE 3

SHEET 11 OF 15 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 40
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

US ROUTE 20



MATCHLINE STA. 188+50
SEE SHEET 40

AGGREGATE SHOULDERS, TYPE B

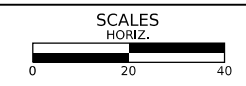
END
WORK ZONE
SPEED LIMIT
G20-1103-6036

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FILE NAME: C:\308324-US Rte 20 Roundabout\CAD\Sheets\08_mnt_spc3.dgn



DESIGNED -	TGB	REVISED -	
DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	2/14/2024	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

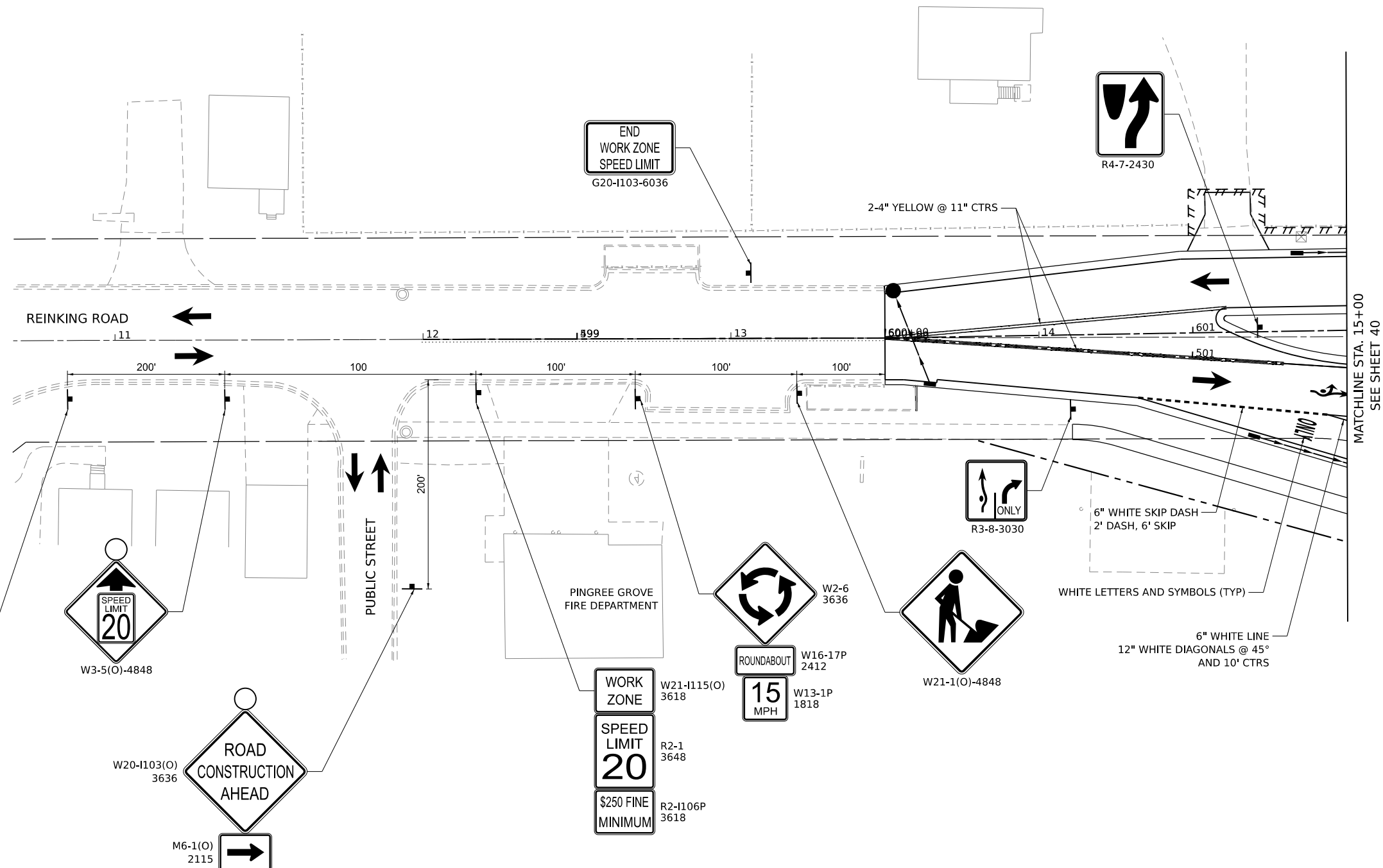


MAINTENANCE OF TRAFFIC - STAGE 3

SHEET 12 OF 15 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 41
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

US ROUTE 20



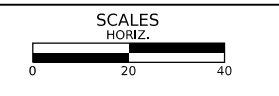
MATCHLINE STA. 15+00
SEE SHEET 40

MODEL: Sheets
FILE NAME: C:\308324-US Rte 20 Roundabout\CAD\Sheets\08_mnt_scc3.dgn



DESIGNED -	TGB	REVISED -	
DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	2/14/2024	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**






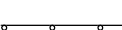




MAINTENANCE OF TRAFFIC - STAGE 3

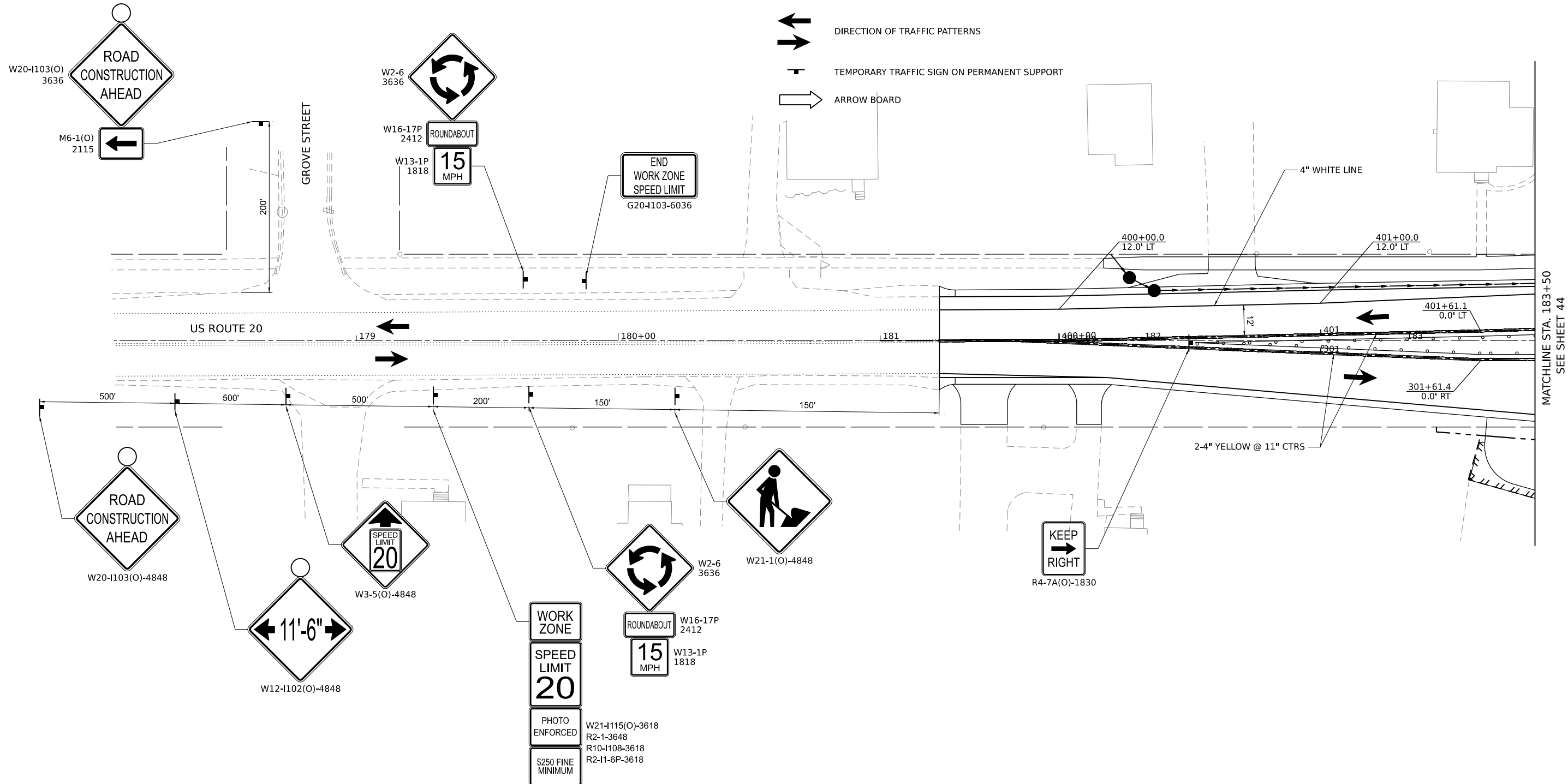
SHEET 13 OF 15 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 42
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

REINKING ROAD

LEGEND

-  PERMANENT CONSTRUCTION DURING STAGE
-  TEMPORARY PAVEMENT
-  TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
-  DRUMS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250 FEET)
-  TYPE III BARRICADES WITH FLASHING LIGHTS
-  DIRECTION OF TRAFFIC PATTERNS
-  TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
-  ARROW BOARD



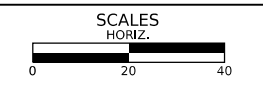
MATCHLINE STA. 183+50
SEE SHEET 44

MODEL: Sheets
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DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

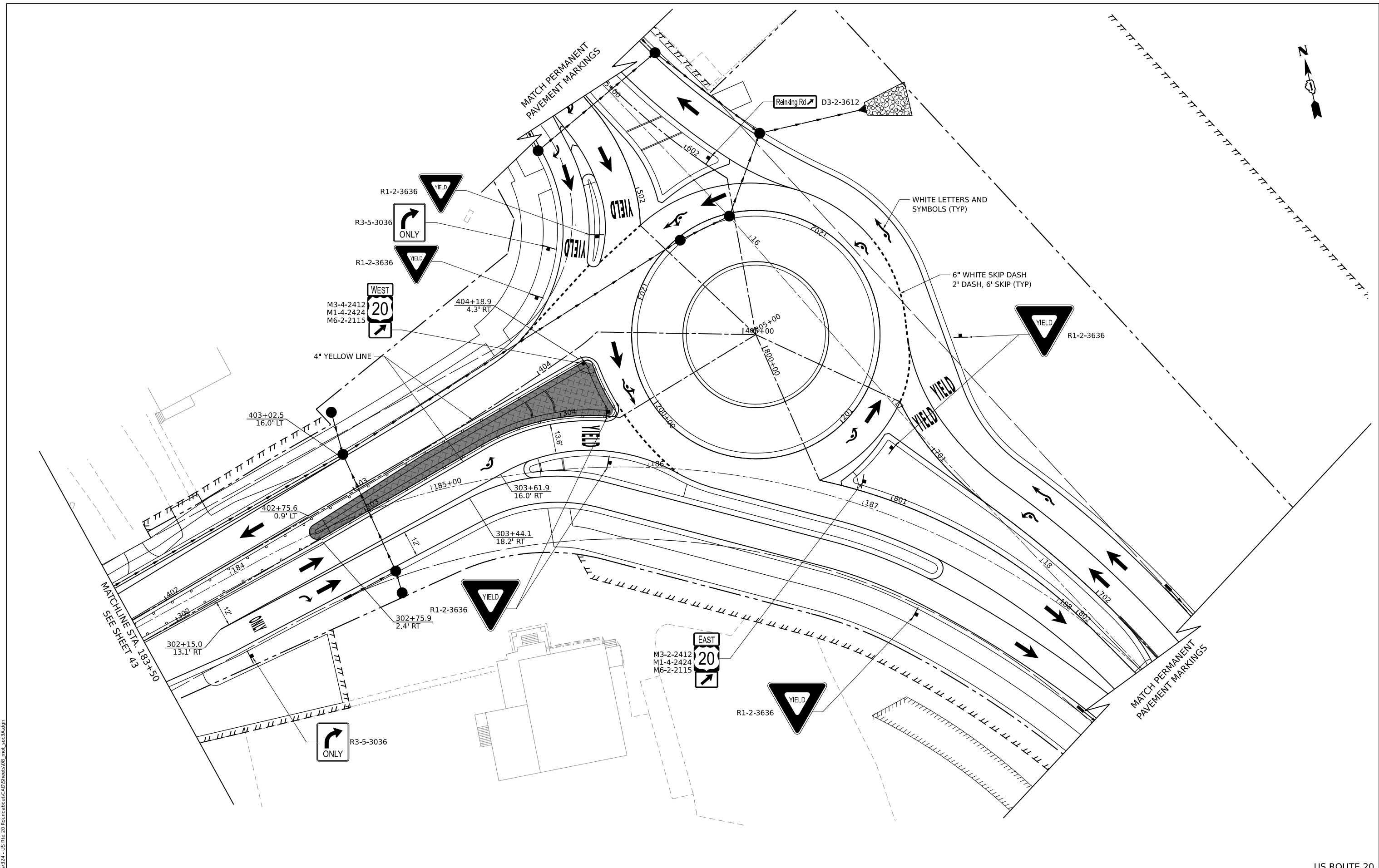


MAINTENANCE OF TRAFFIC - STAGE 3A

SHEET 14 OF 15 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 43
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

US ROUTE 20

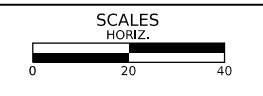


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DESIGNED -	TGB	REVISED -	
DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	2/14/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

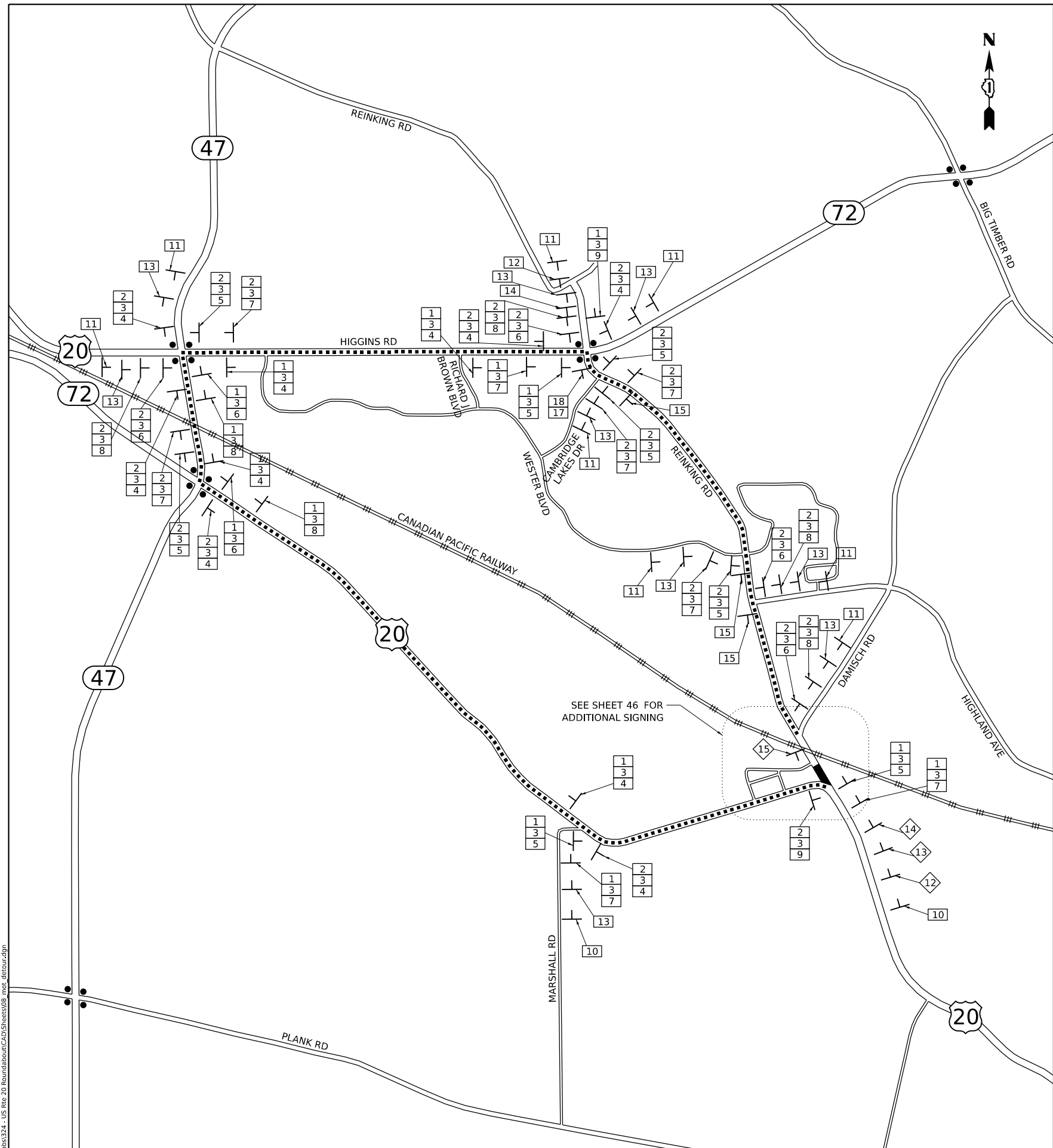


MAINTENANCE OF TRAFFIC - STAGE 3A

SHEET 15 OF 15 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 44
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

US ROUTE 20



SCHEDULE OF SIGNS

1		M3-1(O)-2412	17		M4-10R-4818
2		M3-3(O)-2412	18		R11-3A(O)-6030
3		SPECIAL 5" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND			
4		M4-9(O)-3024			
5		M4-9L(O)-3024			
6		M4-9R(O)-3024			
7		M4-9L(O)-3024			
8		M4-9R(O)-3024			
9		M4-8A(O)-2418			
10		SPECIAL-4836 4" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND			
11		SPECIAL-4836 4" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND			
12		W20-3(O)-4848			
13		W20-2(O)-4848			
14		W20-3(O)-4848			
15		R11-4(O)-6030			
16		SPECIAL-3636 BLACK IN FLUORESCENT ORANGE			

LEGEND

- DETOUR ROUTE
- ROAD CLOSURE
- SIGNALIZED INTERSECTION
- CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT, NUMBER DENOTES TYPE
- M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND DIRECTION PLATES, NUMBER DENOTES TYPE
- OTHER DETOUR SIGNS, NUMBER DENOTES TYPE

NOTES

1. DETOUR SIGNING SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)"
2. ALL DETOUR SIGN SPACING SHALL BE IN ACCORDANCE WITH IDOT DISTRICT 1 DETAIL TC-21.
3. THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL TIMING" SHALL BE INCLUDED FOR EACH SIGNALIZED INTERSECTIONS ALONG THE PROPOSED DETOUR ROUTE.

SEE SHEET 46 FOR ADDITIONAL SIGNING

MODEL: Default
FILE NAME: C:\3038324-US Rte 20 Roundabout\CAD\Sheets\08_mtr_detour.dgn



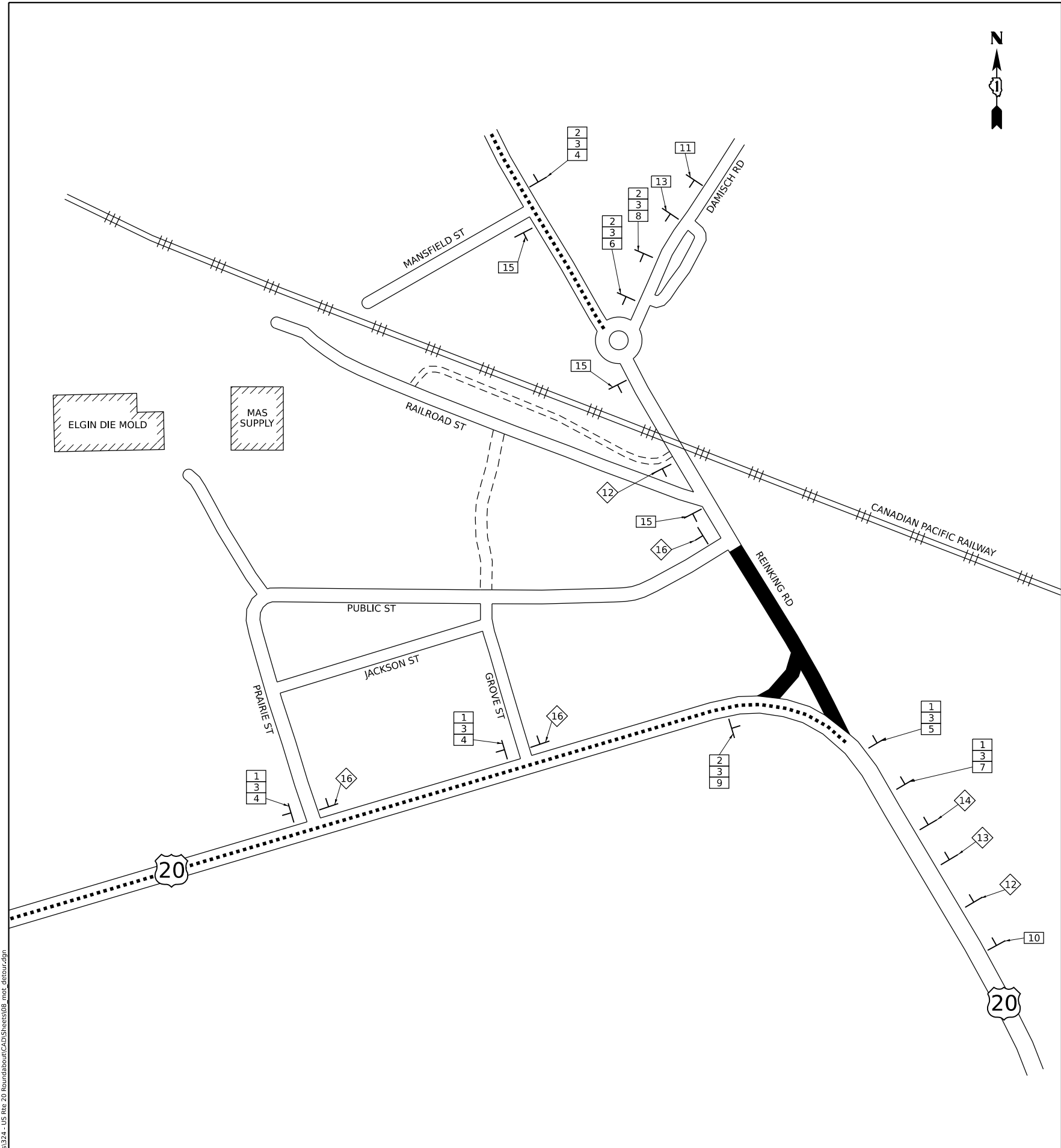
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DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE	2/14/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN
STAGE 1

SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 45
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MODEL: Default
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SCHEDULE OF SIGNS

1		M3-1(O)-2412	17		M4-10R-4818
2		M3-3(O)-2412	18		R11-3A(O)-6030
3		SPECIAL 5" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND			
4		M4-9(O)-3024			
5		M4-9L(O)-3024			
6		M4-9R(O)-3024			
7		M4-9L(O)-3024			
8		M4-9R(O)-3024			
9		M4-8A(O)-2418			
10		SPECIAL-4836 4" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND			
11		SPECIAL-4836 4" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND			
12		W20-3(O)-4848			
13		W20-2(O)-4848			
14		W20-3(O)-4848			
15		R11-4(O)-6030			
16		SPECIAL-3636 BLACK IN FLUORESCENT ORANGE			

LEGEND

- DETOUR ROUTE
- ROAD CLOSURE
- SIGNALIZED INTERSECTION
- CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT, NUMBER DENOTES TYPE
- M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND DIRECTION PLATES, NUMBER DENOTES TYPE
- OTHER DETOUR SIGNS, NUMBER DENOTES TYPE

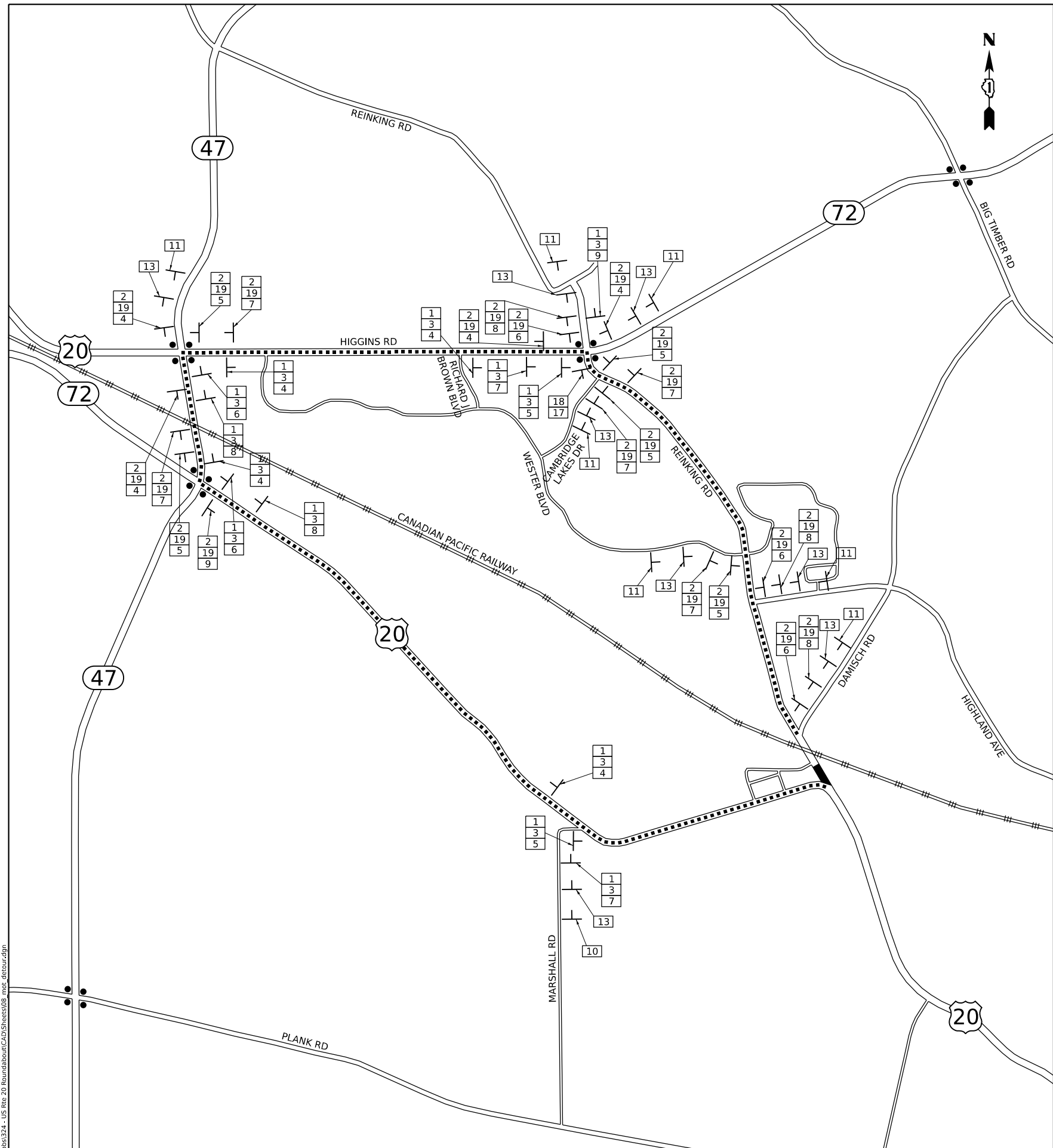
- NOTES**
- DETOUR SIGNING SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)"
 - ALL DETOUR SIGN SPACING SHALL BE IN ACCORDANCE WITH IDOT DISTRICT 1 DETAIL TC-21.
 - THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL TIMING" SHALL BE INCLUDED FOR EACH SIGNALIZED INTERSECTIONS ALONG THE PROPOSED DETOUR ROUTE.

DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN DETAIL	
SHEET 2 OF 3 SHEETS	STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 46
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SCHEDULE OF SIGNS

- 1 NORTH M3-1(O)-2412
- 2 EAST M3-3(O)-2412
- 3 Reinking Rd SPECIAL 5" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND
- 4 DETOUR M4-9(O)-3024
- 5 DETOUR M4-9L(O)-3024
- 6 DETOUR M4-9R(O)-3024
- 7 DETOUR M4-9L(O)-3024
- 8 DETOUR M4-9R(O)-3024
- 9 END DETOUR M4-8A(O)-2418
- 10 NORTHBOUND Reinking Rd CLOSED AT U.S. Route 20 FOLLOW DETOUR SPECIAL-4836 4" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND
- 11 EASTBOUND U.S. Route 20 CLOSED AT Reinking Road FOLLOW DETOUR SPECIAL-4836 4" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND
- 12 ROAD CLOSED AHEAD W20-3(O)-4848
- 13 DETOUR AHEAD W20-2(O)-4848
- 14 ROAD CLOSED 500 FT W20-3(O)-4848
- 15 ROAD CLOSED TO THRU TRAFFIC R11-4(O)-6030
- 16 LOCAL TRAFFIC ONLY SPECIAL-3636 BLACK IN FLUORESCENT ORANGE
- 17 DETOUR M4-10R-4818
- 18 ROAD CLOSED 1 3/4 MILES AHEAD LOCAL TRAFFIC ONLY R11-3A(O)-6030
- 19 20 M1-4-2424

LEGEND

- DETOUR ROUTE
- ROAD CLOSURE
- SIGNALIZED INTERSECTION
- CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT, NUMBER DENOTES TYPE
- M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND DIRECTION PLATES, NUMBER DENOTES TYPE
- OTHER DETOUR SIGNS, NUMBER DENOTES TYPE

NOTES

1. DETOUR SIGNING SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)"
2. ALL DETOUR SIGN SPACING SHALL BE IN ACCORDANCE WITH IDOT DISTRICT 1 DETAIL TC-21.
3. THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL TIMING" SHALL BE INCLUDED FOR EACH SIGNALIZED INTERSECTIONS ALONG THE PROPOSED DETOUR ROUTE.

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DATE - 2/14/2024	REVISED -









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DEPARTMENT OF TRANSPORTATION**

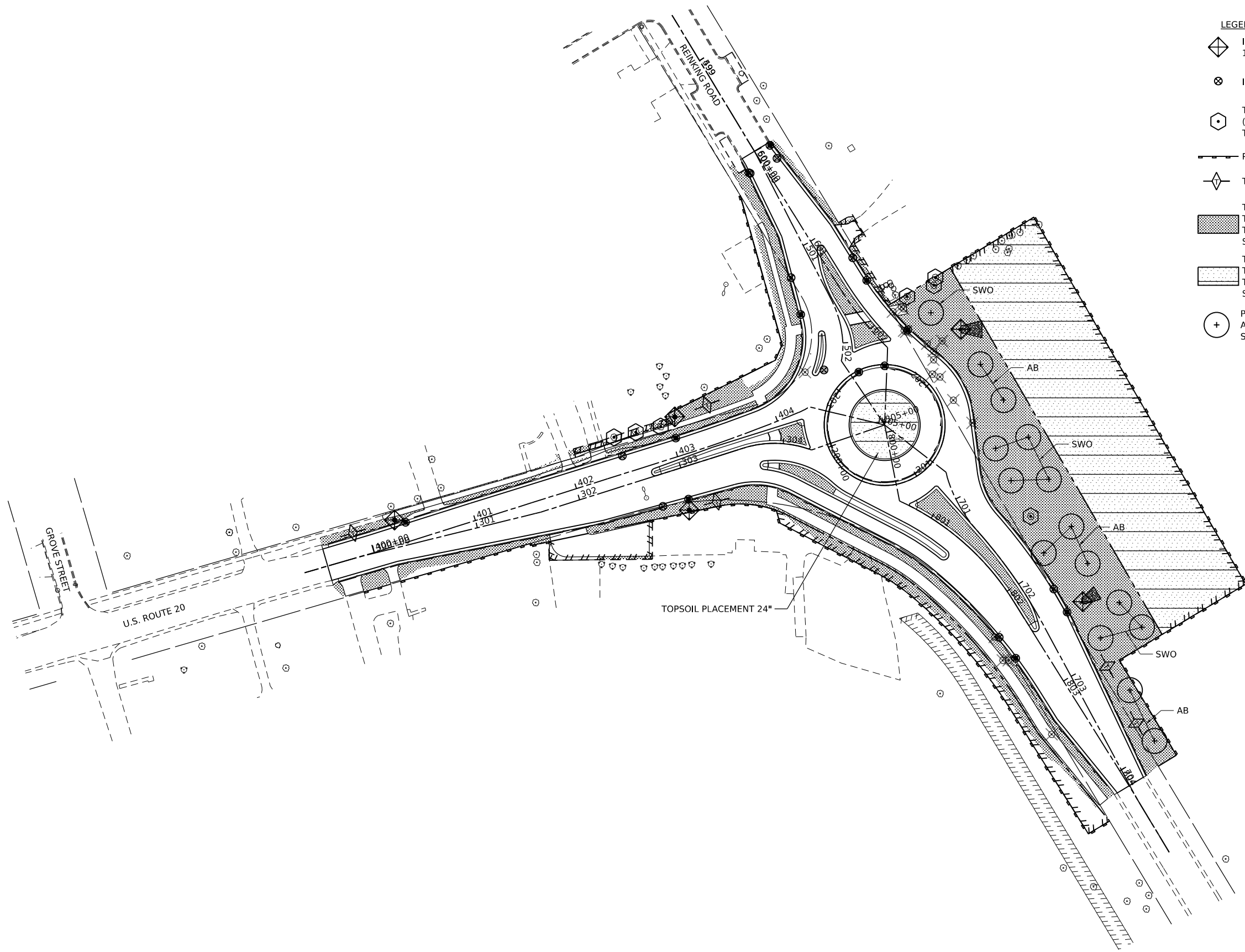
DETOUR PLAN
STAGE 2

SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 47
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND**
-  INLET AND PIPE PROTECTION - 1 INLET FILTER, 16 LF PERIMETER EROSION BARRIER
 -  INLET FILTER
 -  TREE PROTECTION (PAID FOR AS 40 LF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING)
 -  PERIMETER EROSION BARRIER
 -  TEMPORARY DITCH CHECKS
 -  TEMPORARY EROSION CONTROL SEEDING
TEMPORARY EROSION CONTROL BLANKET
TOPSOIL PLACEMENT 4"
SEEDING, CLASS 2A
 -  TEMPORARY EROSION CONTROL SEEDING
TEMPORARY EROSION CONTROL BLANKET
TOPSOIL PLACEMENT 4" (24" DEPTH AT CENTER ISLAND)
SEEDING, CLASS 4A
 -  PROPOSED TREE, 2-1/2" CALIPER, BALLED AND BURLAPPED
AB = AUTUMN BLAZE FREEMAN MAPLE
SWO = SWAMP WHITE OAK

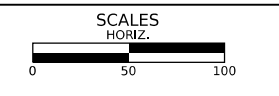


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CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

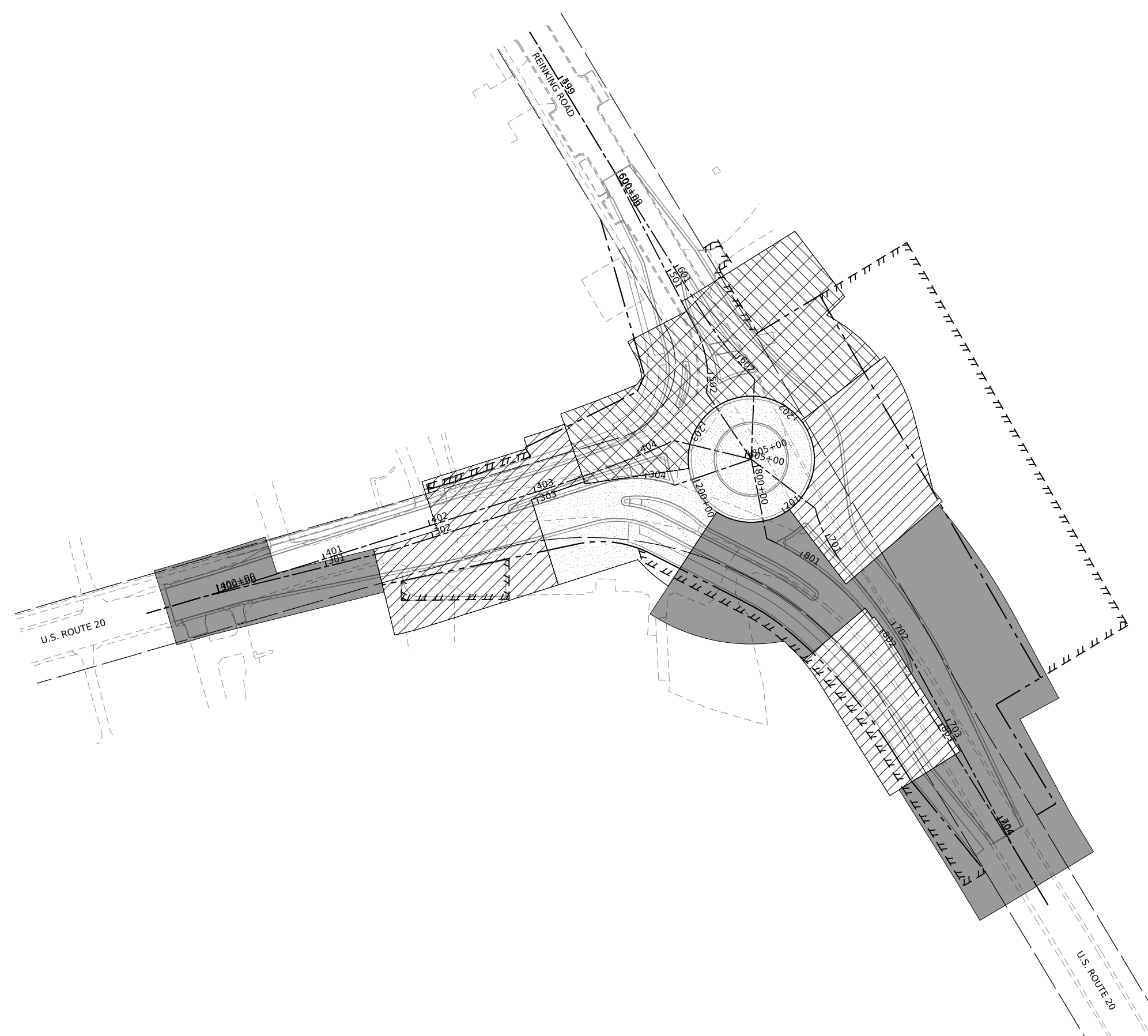
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



EROSION CONTROL AND LANDSCAPING

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 48
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

- 669.05 (a)(1)
 EXCAVATED SOIL CAN BE UTILIZED WITHIN THE ROW AS EMBANKMENT OR FILL, WHEN SUITABLE. IF THE SOIL CANNOT BE UTILIZED WITHIN THE ROW, IT SHALL BE MANAGED AND DISPOSED OF AT A LANDFILL AS A NON-SPECIAL WASTE.

- 669.05 (a)(2)
 EXCAVATED SOIL CAN BE UTILIZED WITHIN THE ROW AS EMBANKMENT OR FILL, WHEN SUITABLE, OR MANAGED AND DISPOSED OF AT A CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) FACILITY OR AN UNCONTAMINATED SOIL FILL OPERATION (USFO) WITHIN AN MSA COUNTY

- 669.05 (a)(3)
 EXCAVATED SOIL CAN BE UTILIZED WITHIN THE ROW AS EMBANKMENT OR FILL, WHEN SUITABLE, OR MANAGED AND DISPOSED OF OFF-SITE AT A CCDD FACILITY OR AN USFO WITHIN AN MSA COUNTY EXCLUDING CHICAGO OR WITHIN THE CHICAGO CORPORATE LIMITS

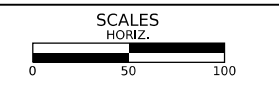
- 669.05 (a)(5)
 WHEN THE ENGINEER DETERMINES SOIL CANNOT BE MANAGED ACCORDING TO ARTICLES 669.05(A)(1) THROUGH (A)(4) AND THE MATERIALS DO NOT CONTAIN SPECIAL WASTE OR HAZARDOUS WASTE, AS DETERMINED BY THE ENGINEER, THE SOIL SHALL BE MANAGED AND DISPOSED OF AT A LANDFILL AS A NON-SPECIAL WASTE.

MODEL SHEET
 FILE NAME: C:\30383224-US Rte 20 Roundabout\CADD\Sheets\09_sofl_classification.dgn



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

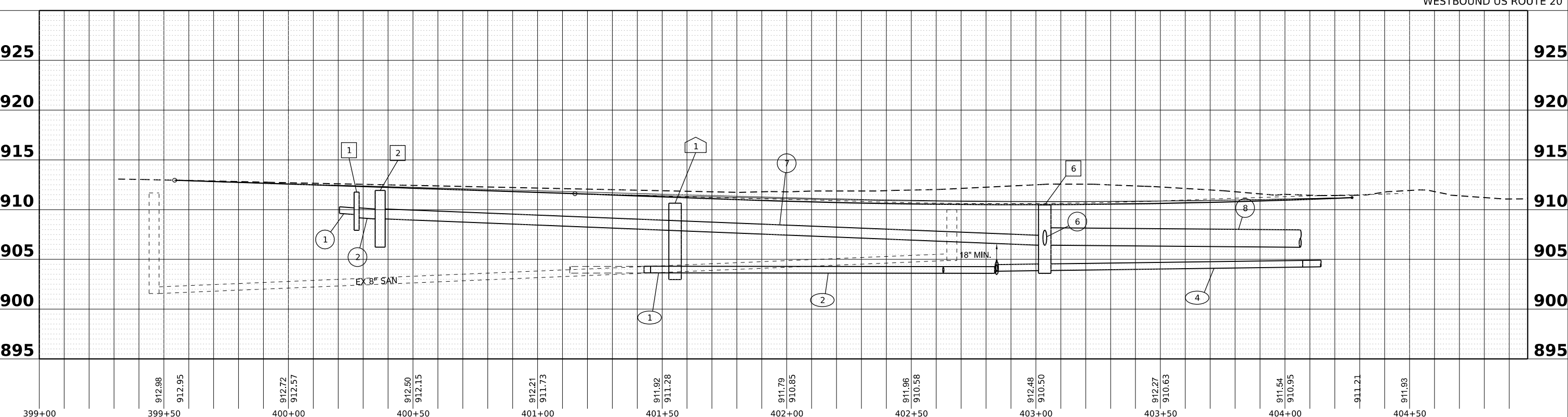
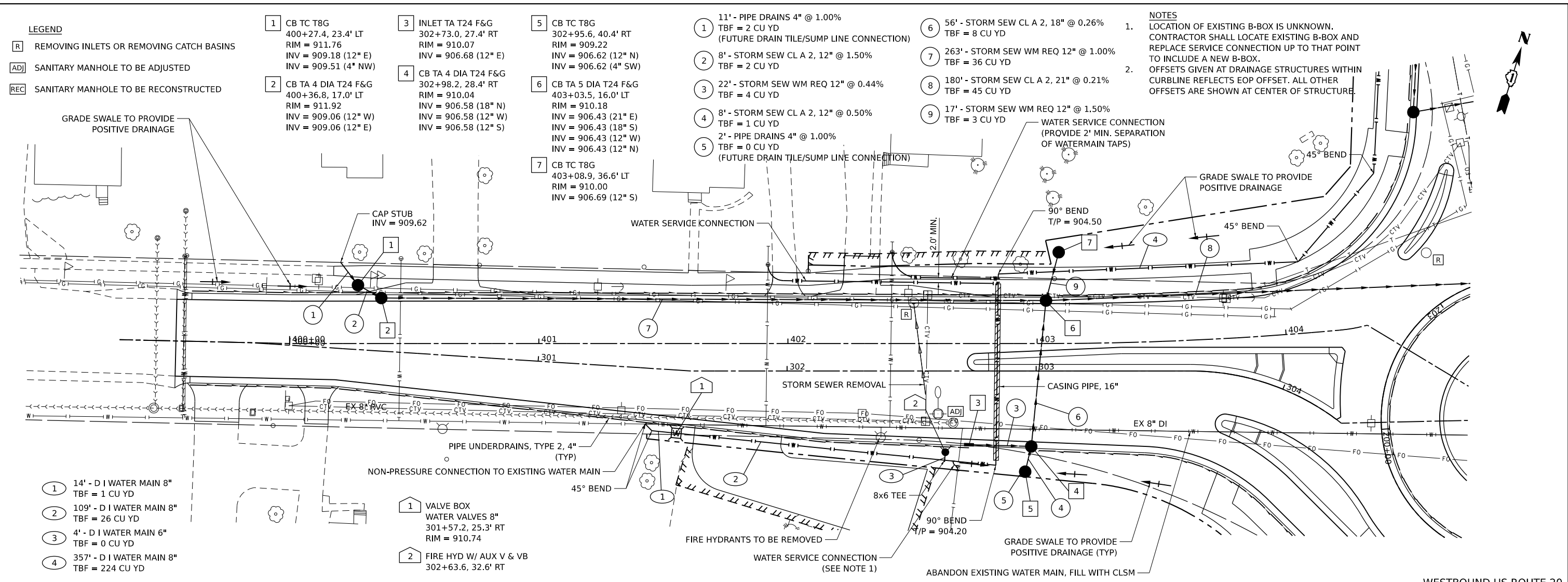
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL CLASSIFICATION PLAN

SHEET 1 OF 1 SHEETS STA. TO STA.

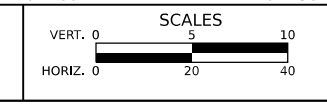
F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 49
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DESIGNED - TGB	REVISIONS	DATE	2/14/2024
DRAWN - KEH	REVISIONS		
CHECKED - RTM	REVISIONS		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DRAINAGE AND UTILITIES
SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 50
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MODEL SHEETS FILE NAME: C:\Roads\2019\20190224-US Rte 20 Roundabout\CAD\Sheets\10_DrainageAndUtilities.dwg

8 CB TA 5 DIA T24 F&G
802+57.9, 25.7' RT
RIM = 910.51
INV = 907.21 (15" N)
INV = 907.21 (15" E)

9 INLET TA T24 F&G
802+33.0, 28.3' RT
RIM = 910.49
INV = 907.28 (15" S)

10 INLET TA T24 F&G
702+21.2, 24.0' LT
RIM = 910.51
INV = 907.08 (15" S)

11 CB TA 5 DIA T24 F&G
702+45.0, 24.0' LT
RIM = 910.49
INV = 907.01 (15" W)
INV = 907.01 (15" N)
INV = 907.01 (18" E)

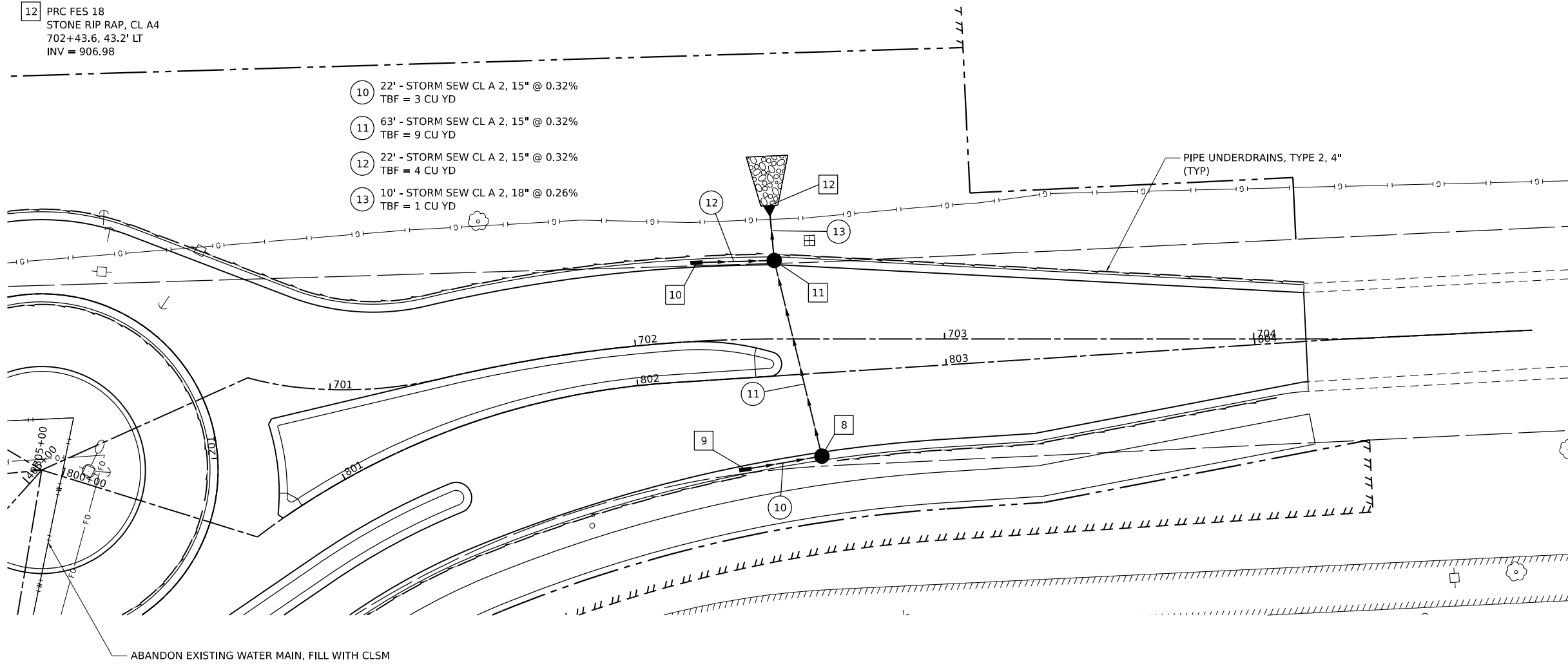
12 PRC FES 18
STONE RIP RAP, CL A4
702+43.6, 43.2' LT
INV = 906.98

10 22' - STORM SEW CL A 2, 15" @ 0.32%
TBF = 3 CU YD

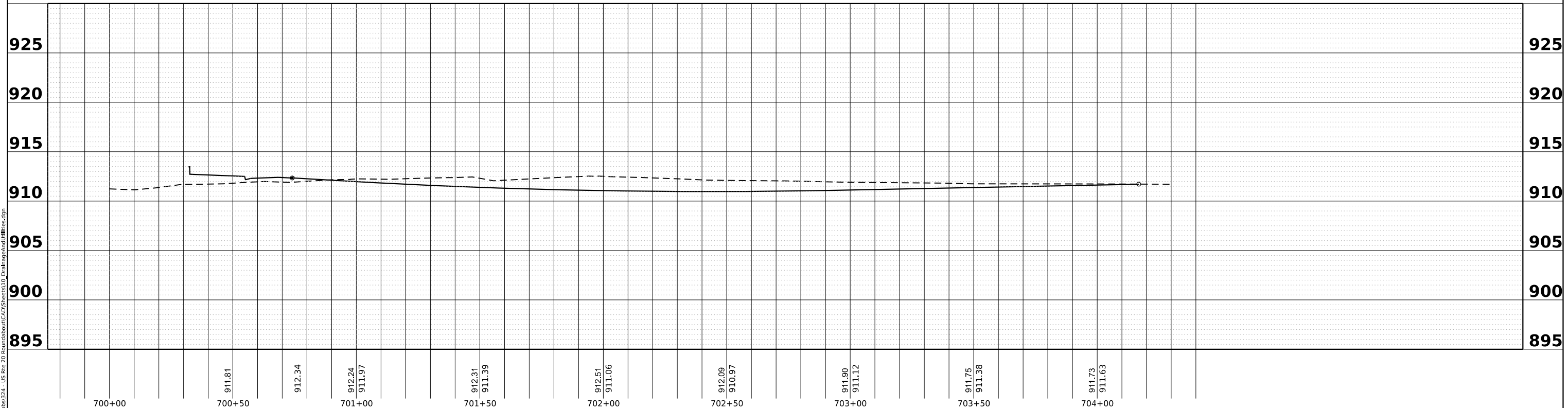
11 63' - STORM SEW CL A 2, 15" @ 0.32%
TBF = 9 CU YD

12 22' - STORM SEW CL A 2, 15" @ 0.32%
TBF = 4 CU YD

13 10' - STORM SEW CL A 2, 18" @ 0.26%
TBF = 1 CU YD



NORTHBOUND US ROUTE 20

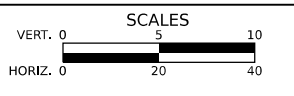


MODEL SHEETS
FILE NAME: C:\projects\24-US Rte 20 Roundabout\CAD\Sheets\10_DrainageAndUtilities.dwg

Bravo Company
ENGINEERING

DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DRAINAGE AND UTILITIES

SHEET 2 OF 4 SHEETS STA. TO STA.

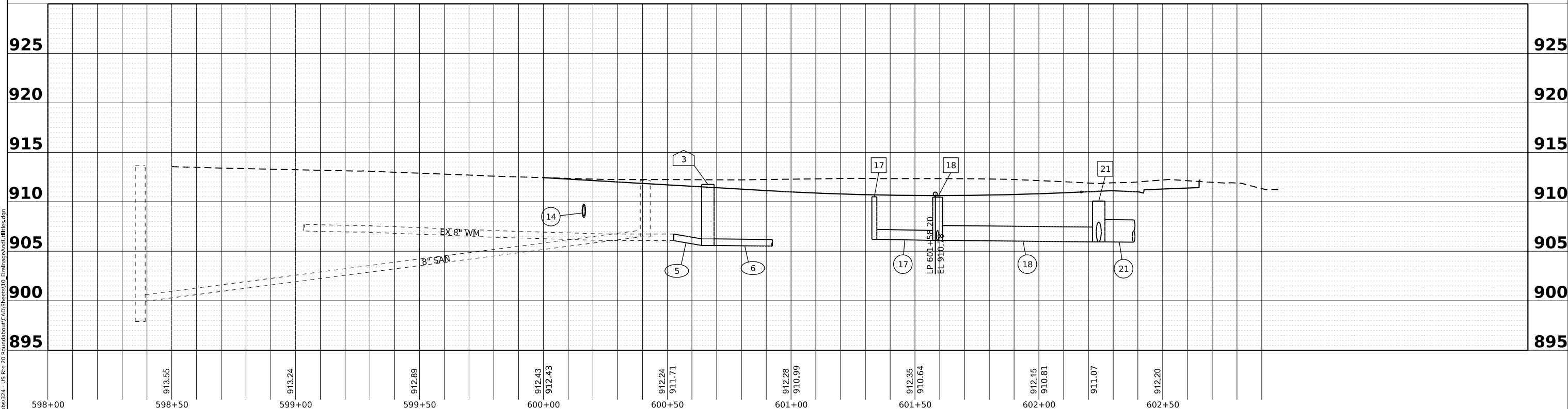
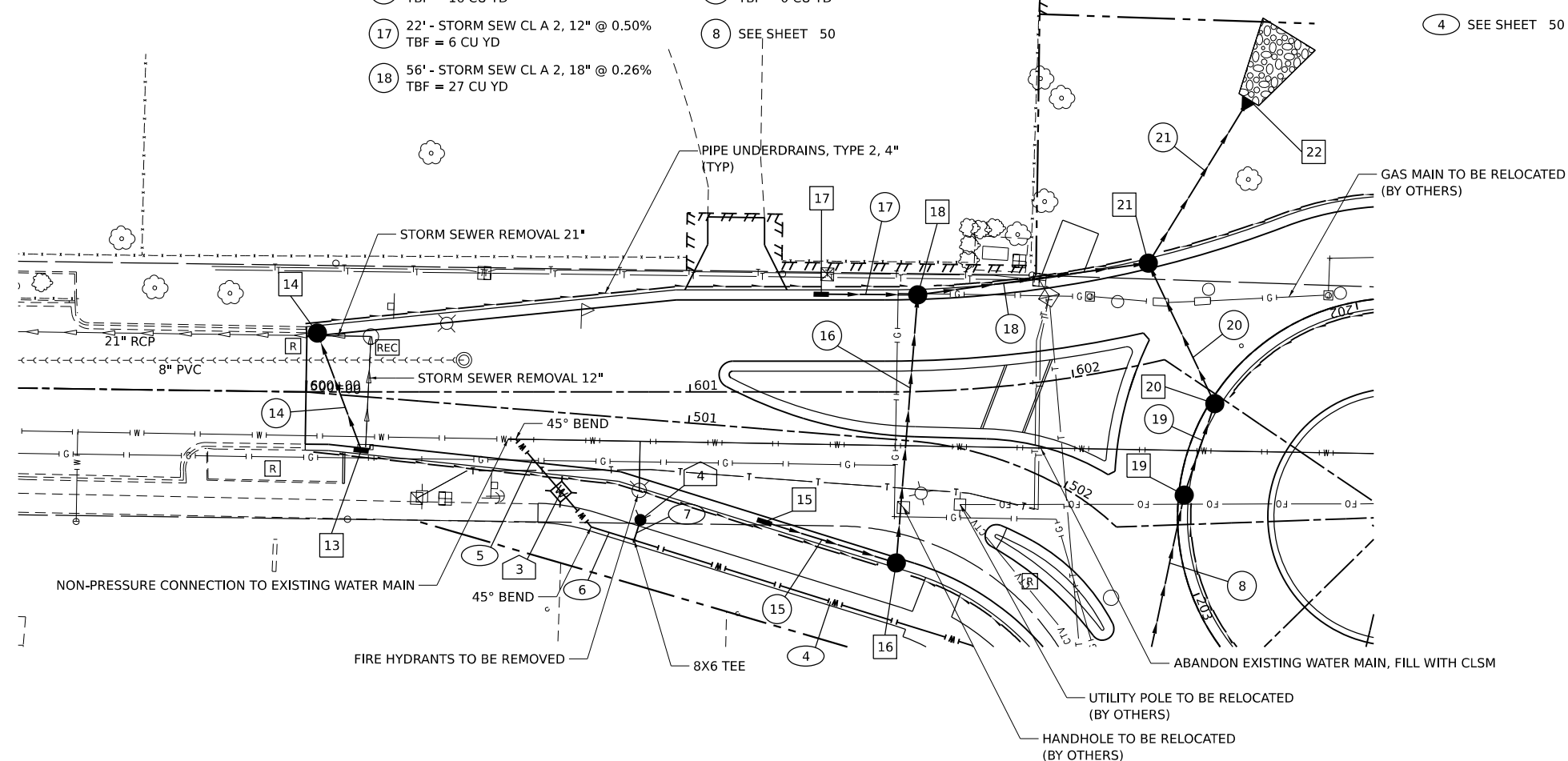
F.A.P./F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 51
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

- 13 INLET TA T11 F&G
500+15.6, 13.3' RT
RIM = 911.95
INV = 908.50 (12" NE)
- 14 CB TA 4 DIA T24 F&G
600+03.0, 14.8' LT
RIM = 912.22
INV = 906.79 (21" NW)
INV = 908.50 (12" SW)
- 15 INLET TA T24 F&G
501+21.8, 22.9' RT
RIM = 910.36
INV = 906.55 (12" S)
- 16 CB TA 4 DIA T24 F&G
501+56.8, 30.7' RT
RIM = 910.06
INV = 906.40 (12" N)
INV = 906.40 (12" E)
- 17 INLET TA T24 F&G
601+34.2, 24.0' LT
RIM = 910.22
INV = 906.21 (12" S)
- 18 CB TA 4 DIA T24 F&G
601+60.0, 24.0' LT
RIM = 910.15
INV = 906.10 (12" N)
INV = 906.10 (12" W)
INV = 906.10 (18" S)
- 19 CB TA 4 DIA T24 F&G
202+73.0, 0.0' LT
RIM = 910.92
INV = 906.05 (21" W)
INV = 906.05 (24" E)
- 20 CB TA 4 DIA T24 F&G
202+47.1, 0.0' LT
RIM = 910.99
INV = 906.01 (24" W)
INV = 906.01 (24" NE)
- 21 CB TA 5 DIA T24 F&G
202+33.5, 35.4' RT
RIM = 910.68
INV = 905.95 (18" N)
INV = 905.95 (24" W)
INV = 905.95 (27" S)
- 22 PRC FES 27
STONE RIP RAP, CL A4
202+08.8, 58.3' RT
INV = 905.89

- LEGEND**
- [R] REMOVING INLETS OR REMOVING CATCH BASINS
 - [ADJ] SANITARY MANHOLE TO BE ADJUSTED
 - [REC] SANITARY MANHOLE TO BE RECONSTRUCTED

- 14 32' - STORM SEW WM REQ, 12" @ 1.50%
TBF = 6 CU YD
- 15 33' - STORM SEW CL A 2, 12" @ 0.44%
TBF = 7 CU YD
- 16 68' - STORM SEW CL A 2, 12" @ 0.44%
TBF = 16 CU YD
- 17 22' - STORM SEW CL A 2, 12" @ 0.50%
TBF = 6 CU YD
- 18 56' - STORM SEW CL A 2, 18" @ 0.26%
TBF = 27 CU YD
- 19 21' - STORM SEW CL A 2, 24" @ 0.17%
TBF = 8 CU YD
- 20 37' - STORM SEW CL A 2, 24" @ 0.17%
TBF = 13 CU YD
- 21 42' - STORM SEW CL A 2, 27" @ 0.13%
TBF = 0 CU YD
- 8 SEE SHEET 50

- 3 VALVE BOX
WATER VALVES 8"
500+68.3, 20.5' RT
RIM = 911.66
- 4 FIRE HYD W/ AUX V & VB
500+89.5, 26.2' RT
- 5 20' - D I WATER MAIN 8"
TBF = 10 CU YD
- 6 24' - D I WATER MAIN 8"
TBF = 15 CU YD
- 7 6' - D I WATER MAIN 6"
TBF = 4 CU YD
- 4 SEE SHEET 50

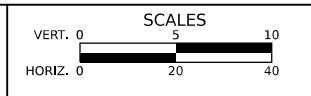


MODEL SHEETS
FILE NAME: C:\projects\24- US Rte 20 Roundabout\CAD\Sheets\10_DrainageAndUtilities.dwg



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



DRAINAGE AND UTILITIES

SHEET 3 OF 4 SHEETS STA. TO STA.

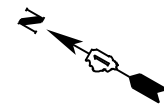
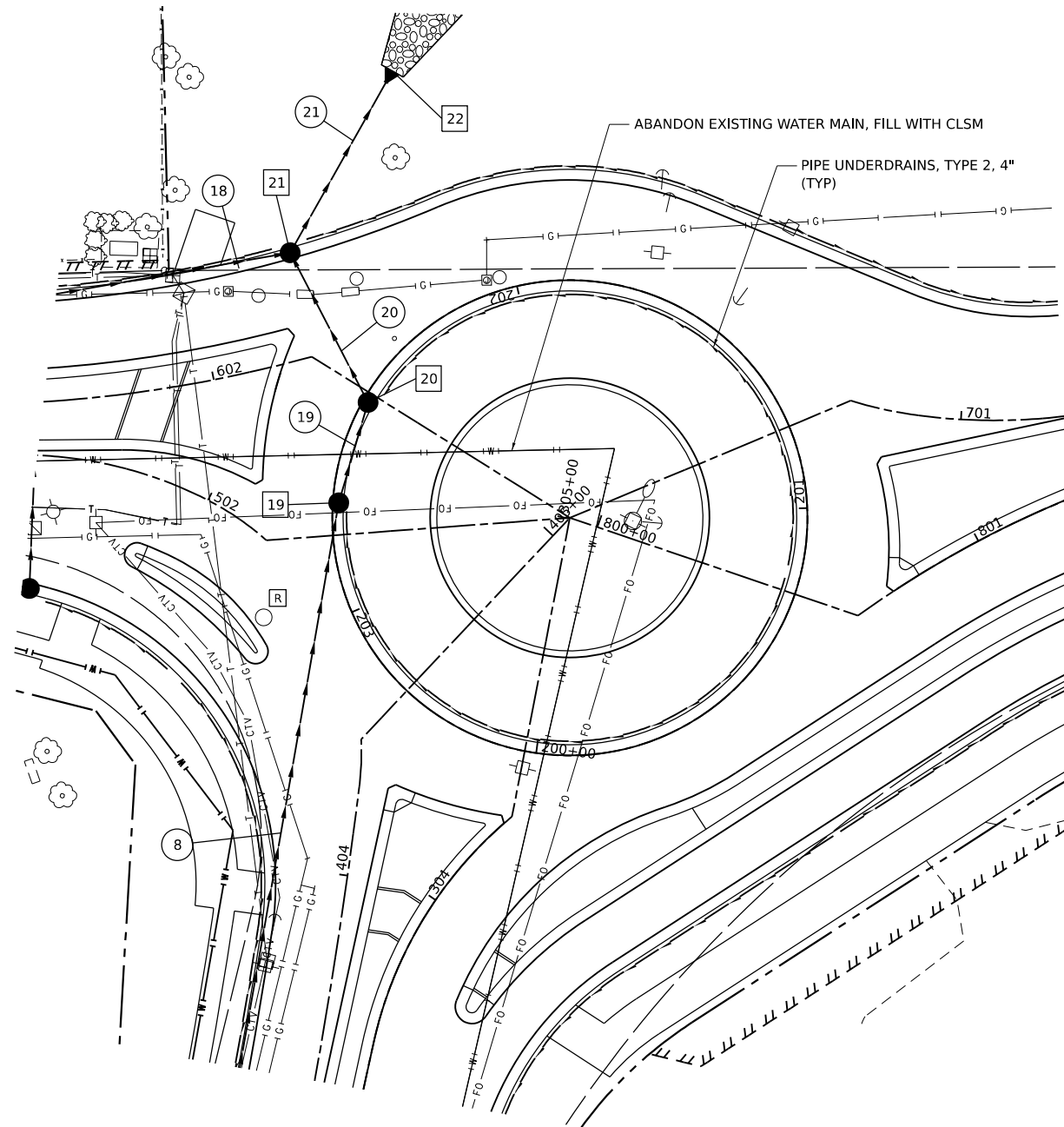
F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 52
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

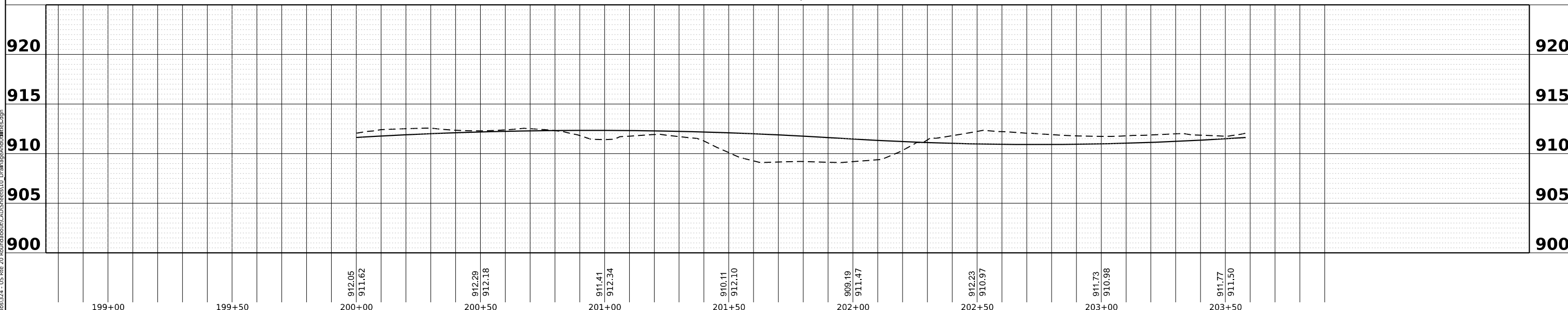
- R REMOVING INLETS OR REMOVING CATCH BASINS
- ADJ SANITARY MANHOLE TO BE ADJUSTED
- REC SANITARY MANHOLE TO BE RECONSTRUCTED

- 8 SEE SHEET 50
- 18 SEE SHEET 52
- 19 SEE SHEET 52
- 20 SEE SHEET 52
- 21 SEE SHEET 52

- 19 SEE SHEET 52
- 20 SEE SHEET 52
- 21 SEE SHEET 52
- 22 SEE SHEET 52



ROUNDAABOUT CENTER LANE

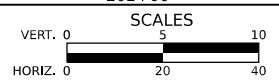


MODEL: Sheets
FILE NAME: C:\Rob\224-US Rte 20 Roundabout\CAD\Sheets\10_DrainageAndUtilities.dwg

Bravo Company
ENGINEERING

DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DRAINAGE AND UTILITIES

SHEET 4 OF 4 SHEETS STA. TO STA.

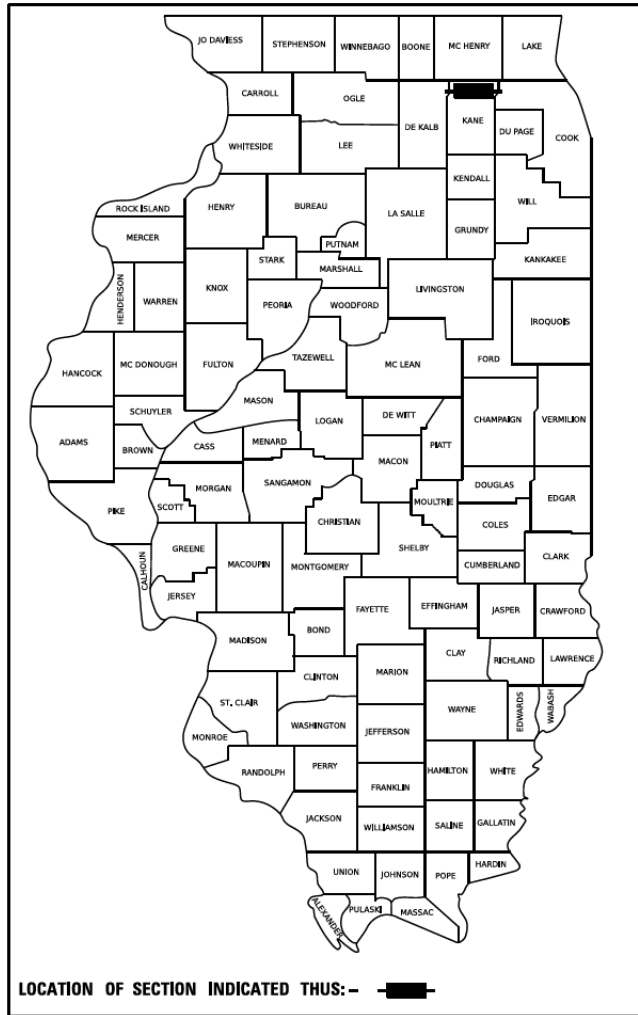
F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 53
CONTRACT NO. 61J28			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

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

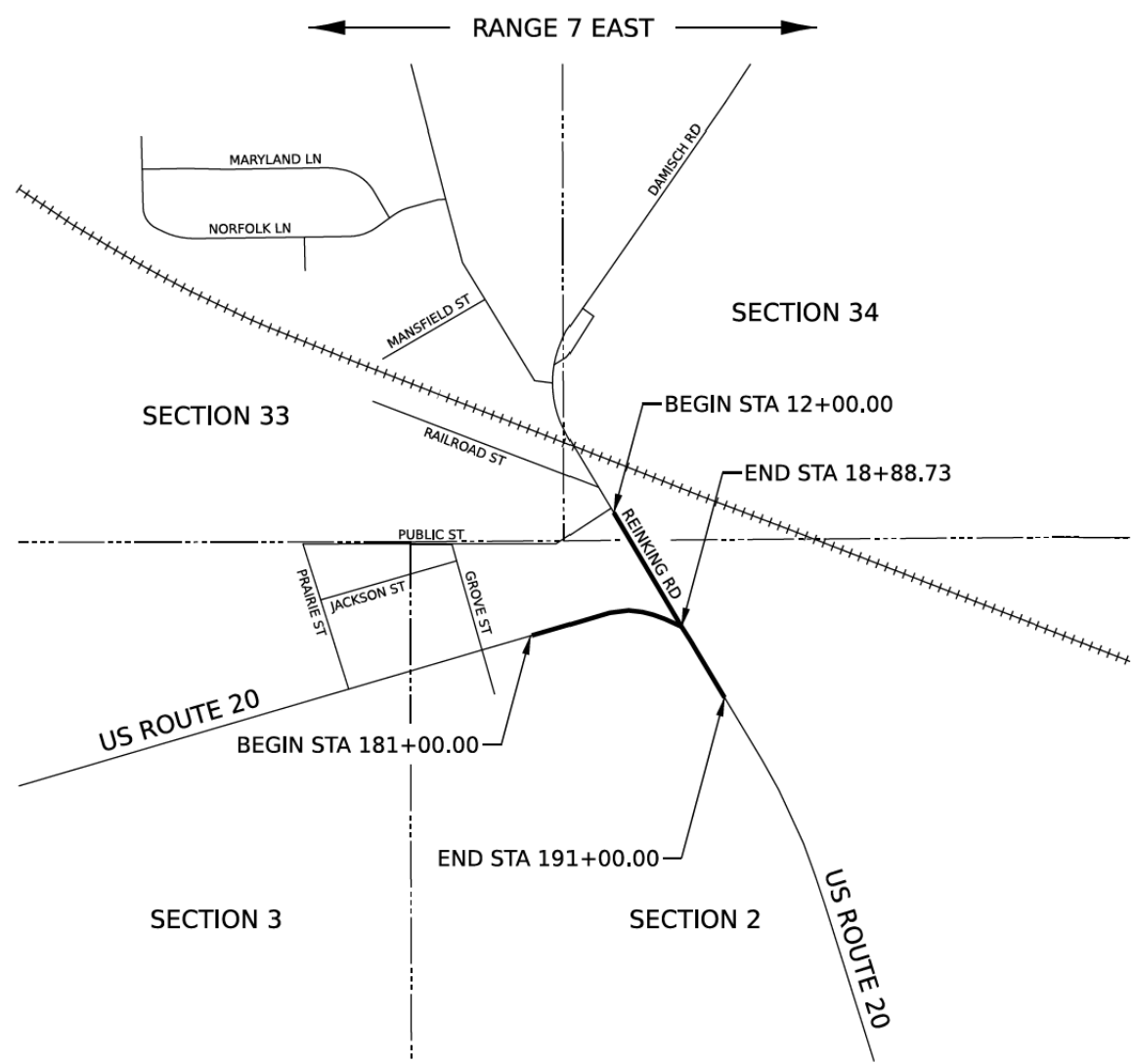
**PROPOSED
HIGHWAY PLANS**

**ROUTE: U.S. ROUTE 20
SECTION: 19-00187-00-CH
PROJECT NO:
JOB NO: R-91-030-22
COUNTY: KANE COUNTY**

PARCEL NUMBER	OWNER	PLAT SHEET NUMBER
1PB0001	JOSEPH C. VANDER HEYDEN	3
1PB0002	PINGREE CREEK L.L.C.	3
1PB0003	DEREK J & MICHELLE M STRISSEL	4
1PB0004	CHICAGO TITLE LAND TRUST COMPANY TRUST # 98-547	4
1PB0005	VILLAGE OF PINGREE GROVE	4
1PB0006	PINGREE CREEK L.L.C.	3
1PB0007	JON PESCHKE AND CAROL PESCHKE	4



TOWNSHIP 42 NORTH
↑
TOWNSHIP 41 NORTH
↓



PROJECT LENGTH = 1,000 FT. = 0.189 MILES

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUBMITTED _____ 20 _____

REGIONAL ENGINEER

_____ 20 _____

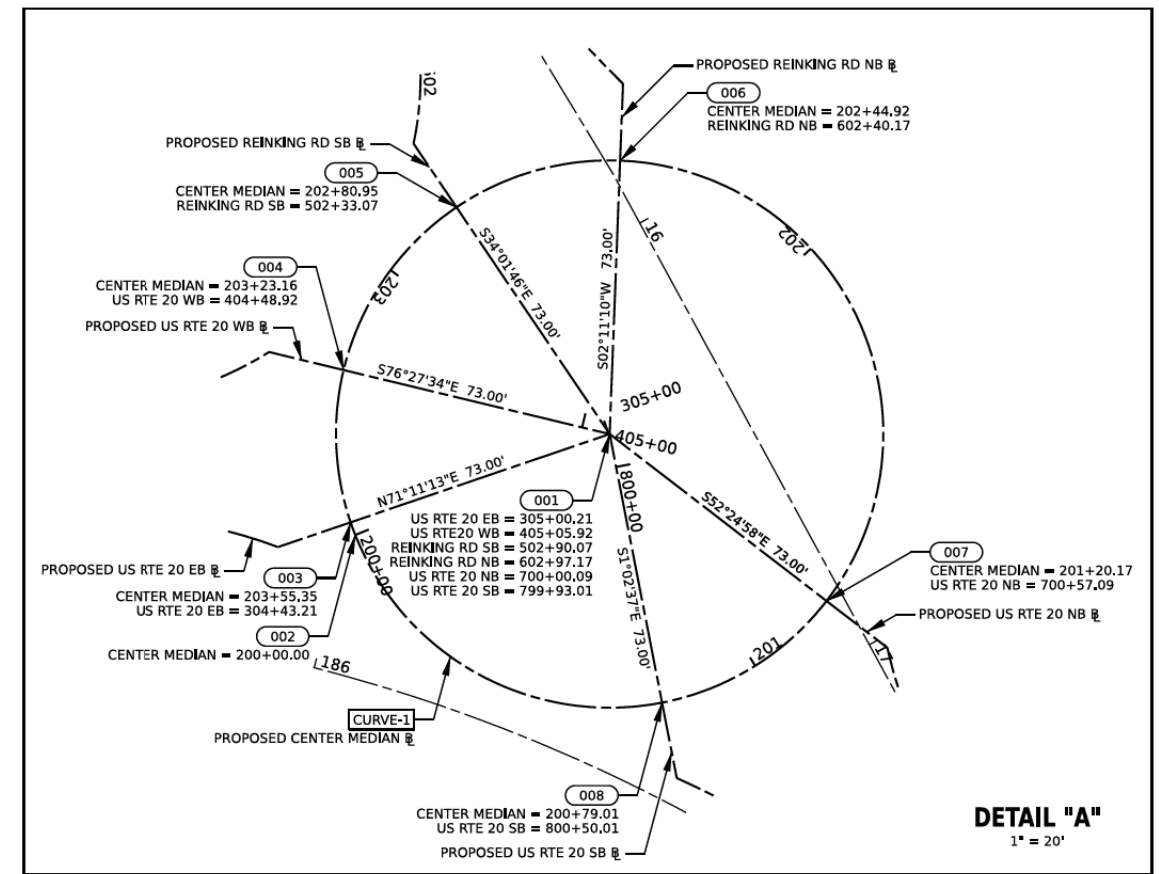
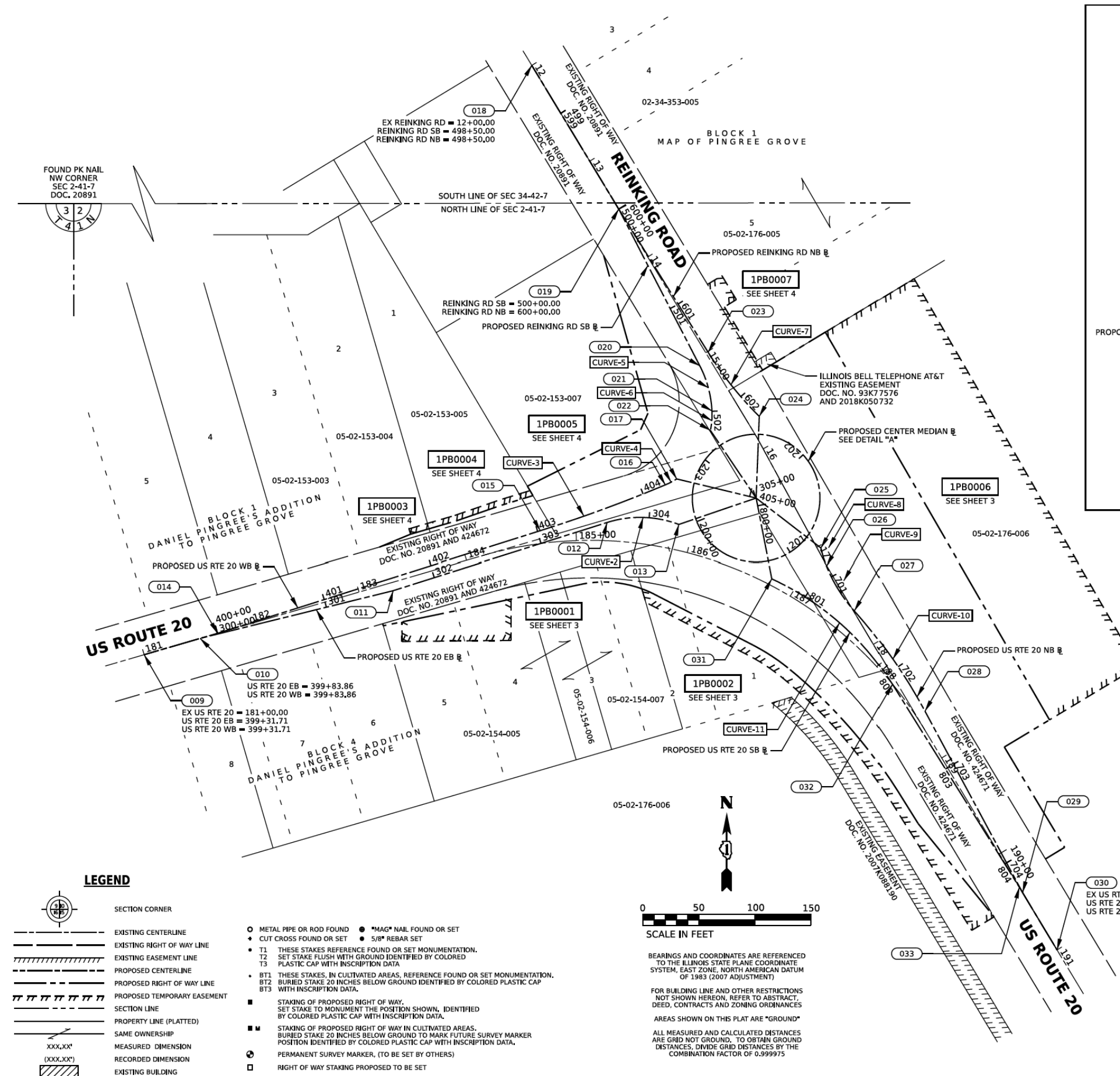
ENGINEER OF DESIGN AND ENVIRONMENT

_____ 20 _____

DIRECTOR OF PROGRAM DEVELOPMENT

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

PART OF THE NW 1/4 OF SECTION 2, T41N AND THE SW 1/4 OF SECTION 34, T42N, R7E OF THE 3RD PM, KANE COUNTY, ILLINOIS



STATE OF ILLINOIS) SS
 COUNTY OF KANE)

I, JAMES M. MCKENZIE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

JAMES M. MCKENZIE, PLS NO. 035-003247
 LICENSE EXPIRATION DATE: 11/30/2024

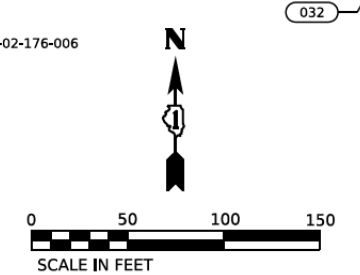
PROJECT COORDINATES TABLE
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

PT. NO.	STATION	NORTHING	EASTING
001	SEE DETAIL	1966738.011	962948.141
002	SEE DETAIL	1966717.007	962895.152
003	SEE DETAIL	1966719.629	962894.186
004	SEE DETAIL	1966751.356	962892.726
005	SEE DETAIL	1966785.250	962916.243
006	SEE DETAIL	1966794.969	962950.316
007	SEE DETAIL	1966703.245	962993.312
008	SEE DETAIL	1966682.066	962959.060
009	SEE PLAN	1966598.711	962401.339
010	SEE PLAN	1966613.282	962451.409
011	301+61.42	1966655.814	962623.788
012	303+61.92	1966716.208	962814.977
013	304+27.21	1966714.470	962879.041
014	400+00.00	1966617.793	962466.309
015	403+02.45	1966708.896	962755.311
016	404+21.42	1966749.791	962866.985
017	404+32.92	1966755.102	962877.170
018	SEE PLAN	1967124.390	962747.673
019	SEE PLAN	1966996.085	962825.377
020	501+57.63	1966856.089	962897.822
021	501+99.60	1966815.875	962908.667
022	502+17.07	1966798.510	962907.289
023	601+50.78	1966868.191	962905.244
024	602+24.17	1966810.958	962950.926
025	700+73.09	1966693.487	963005.991
026	700+89.78	1966677.595	963011.010
027	701+36.99	1966637.734	963035.885
028	702+46.37	1966548.290	963098.421
029	704+30.41	1966386.238	963185.649
030	SEE PLAN	1966335.107	963216.403
031	800+66.01	1966666.363	962962.125
032	802+10.76	1966572.266	963069.407
033	804+24.46	1966391.090	963182.731

ALIGNMENT CURVE DATA

CURVE	PC STA	PT STA	PI STA	PC STA	PT STA	PI STA	PC STA	PT STA	PI STA
CURVE-1	200+00.00	203+58.14	203+58.14	501+57.63	501+99.60	501+99.60	303+61.92	303+61.92	304+27.21
CURVE-2	303+61.92	303+61.92	303+61.92	501+57.63	501+99.60	501+99.60	303+61.92	303+61.92	304+27.21
CURVE-3	403+32.92	404+21.42	404+21.42	501+57.63	501+99.60	501+99.60	303+61.92	303+61.92	304+27.21
CURVE-4	404+21.42	404+21.42	404+21.42	501+57.63	501+99.60	501+99.60	303+61.92	303+61.92	304+27.21
CURVE-5	501+57.63	501+99.60	501+99.60	303+61.92	303+61.92	303+61.92	403+32.92	404+21.42	404+21.42
CURVE-6	501+57.63	501+99.60	501+99.60	303+61.92	303+61.92	303+61.92	403+32.92	404+21.42	404+21.42
CURVE-7	501+57.63	501+99.60	501+99.60	303+61.92	303+61.92	303+61.92	403+32.92	404+21.42	404+21.42
CURVE-8	501+57.63	501+99.60	501+99.60	303+61.92	303+61.92	303+61.92	403+32.92	404+21.42	404+21.42
CURVE-9	501+57.63	501+99.60	501+99.60	303+61.92	303+61.92	303+61.92	403+32.92	404+21.42	404+21.42
CURVE-10	501+57.63	501+99.60	501+99.60	303+61.92	303+61.92	303+61.92	403+32.92	404+21.42	404+21.42
CURVE-11	501+57.63	501+99.60	501+99.60	303+61.92	303+61.92	303+61.92	403+32.92	404+21.42	404+21.42

- LEGEND**
- SECTION CORNER
 - EXISTING CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - EXISTING EASEMENT LINE
 - PROPOSED CENTERLINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED TEMPORARY EASEMENT
 - SECTION LINE
 - PROPERTY LINE (PLATTED)
 - SAME OWNERSHIP
 - MEASURED DIMENSION
 - RECORDED DIMENSION
 - EXISTING BUILDING
 - METAL PIPE OR ROD FOUND
 - CUT CROSS FOUND OR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
 - T2 SET STAKE FLUSH WITH GROUND IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
 - T3 PLASTIC CAP WITH INSCRIPTION DATA.
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
 - BT2 BURIED STAKE 20 INCHES BELOW GROUND IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
 - BT3 PLASTIC CAP WITH INSCRIPTION DATA.
 - STAKING OF PROPOSED RIGHT OF WAY. SET STAKE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED STAKE 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
 - PERMANENT SURVEY MARKER. (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET



BEARINGS AND COORDINATES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2007 ADJUSTMENT)

FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO ABSTRACT, DEED, CONTRACTS AND ZONING ORDINANCES

AREAS SHOWN ON THIS PLAT ARE "GROUND"

ALL MEASURED AND CALCULATED DISTANCES ARE GRID NOT GROUND. TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999975

LEGEND

PART OF THE NW 1/4 OF SECTION 2, T41N AND THE SW 1/4 OF SECTION 34, T42N, R7E OF THE 3RD PM, KANE COUNTY, ILLINOIS

- SECTION CORNER
 - EXISTING CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - EXISTING EASEMENT LINE
 - PROPOSED CENTERLINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED TEMPORARY EASEMENT
 - SECTION LINE
 - PROPERTY LINE (PLATTED)
 - SAME OWNERSHIP
 - MEASURED DIMENSION
 - RECORDED DIMENSION
 - EXISTING BUILDING
- METAL PIPE OR ROD FOUND
 - CUT CROSS FOUND OR SET
 - *MAG* NAIL FOUND OR SET
 - 5/8" REBAR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
 - T2 SET STAKE FLUSH WITH GROUND IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
 - T3 PLASTIC CAP WITH INSCRIPTION DATA.
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
 - BT2 BURIED STAKE 20 INCHES BELOW GROUND IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
 - BT3 WITH INSCRIPTION DATA.
 - STAKING OF PROPOSED RIGHT OF WAY, SET STAKE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED STAKE 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
 - PERMANENT SURVEY MARKER, (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF KANE)

I, JAMES M. MCKENZIE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____
JAMES M. MCKENZIE, PLS NO. 035-003247
LICENSE EXPIRATION DATE: 11/30/2024

LINE TABLE

LINE NO.	BEARING	DISTANCE
007	S30°41'47"E	49.81'

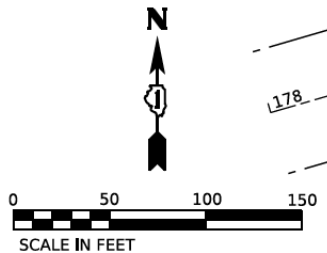
PROJECT COORDINATES TABLE

ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

FT. NO.	STATION	OFFSET	NORTHING	EASTING
062	401+61.00	29.34' LT	1966694.267	962611.593
063	401+91.00	31.90' LT	1966705.746	962639.428
064	401+91.00	36.90' LT	1966710.515	962637.922
065	402+08.19	31.53' LT	1966710.570	962655.930
066	402+08.30	36.53' LT	1966715.371	962654.532
067	402+33.96	30.98' LT	1966717.803	962680.669
068	402+33.97	35.98' LT	1966722.575	962679.172
069	402+75.45	32.10' LT	1966731.371	962719.901
070	402+75.28	37.09' LT	1966736.151	962718.433
071	403+04.51	36.87' LT	1966744.655	962746.118
072	403+05.71	31.85' LT	1966740.232	962748.744
073	403+03.44	41.33' LT	1966748.594	962743.780
074	404+20.08	53.94' LT	1966799.066	962844.990
075	501+97.96	57.20' RT	1966813.741	962851.495
076	500+30.75	31.01' RT	1966954.519	962811.970
077	601+24.07	31.30' LT	1966907.429	962917.648
078	600+99.07	31.65' LT	1966928.816	962904.696
079	600+99.28	46.65' LT	1966936.586	962917.526
080	601+24.28	46.30' LT	1966915.199	962930.479
081	601+24.11	33.80' LT	1966908.724	962919.787
082	601+94.36	30.20' LT	1966852.270	962953.976
083	601+93.95	27.73' LT	1966850.975	962951.838

PARCEL TABLE

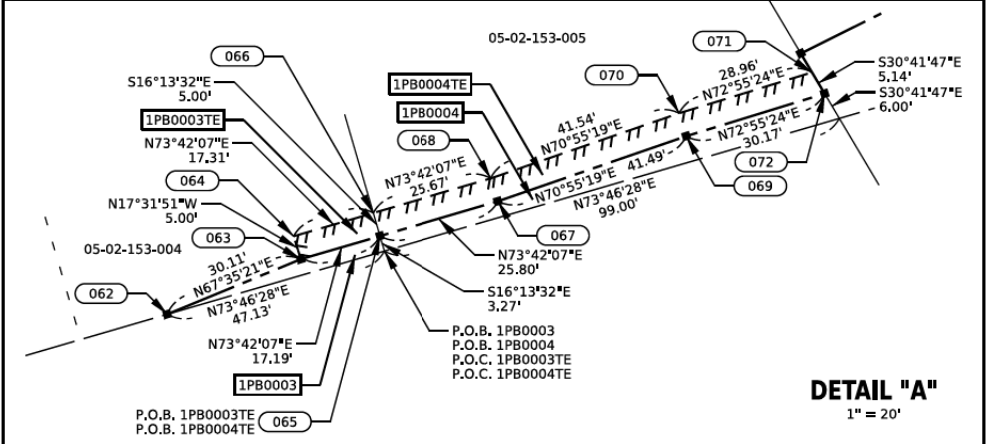
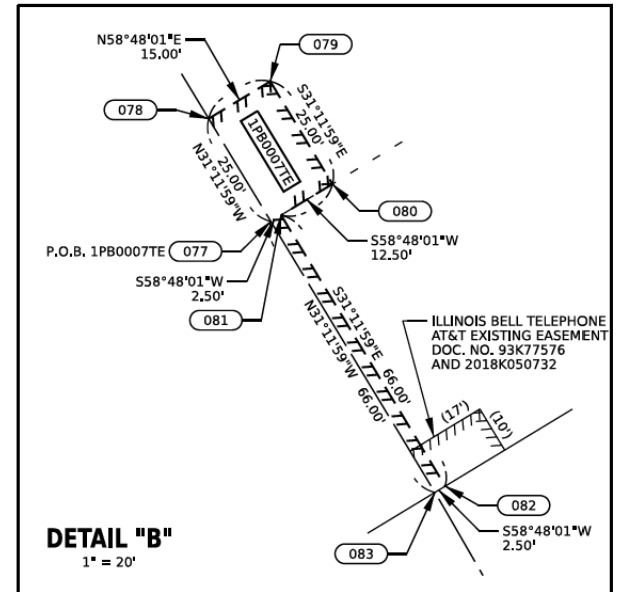
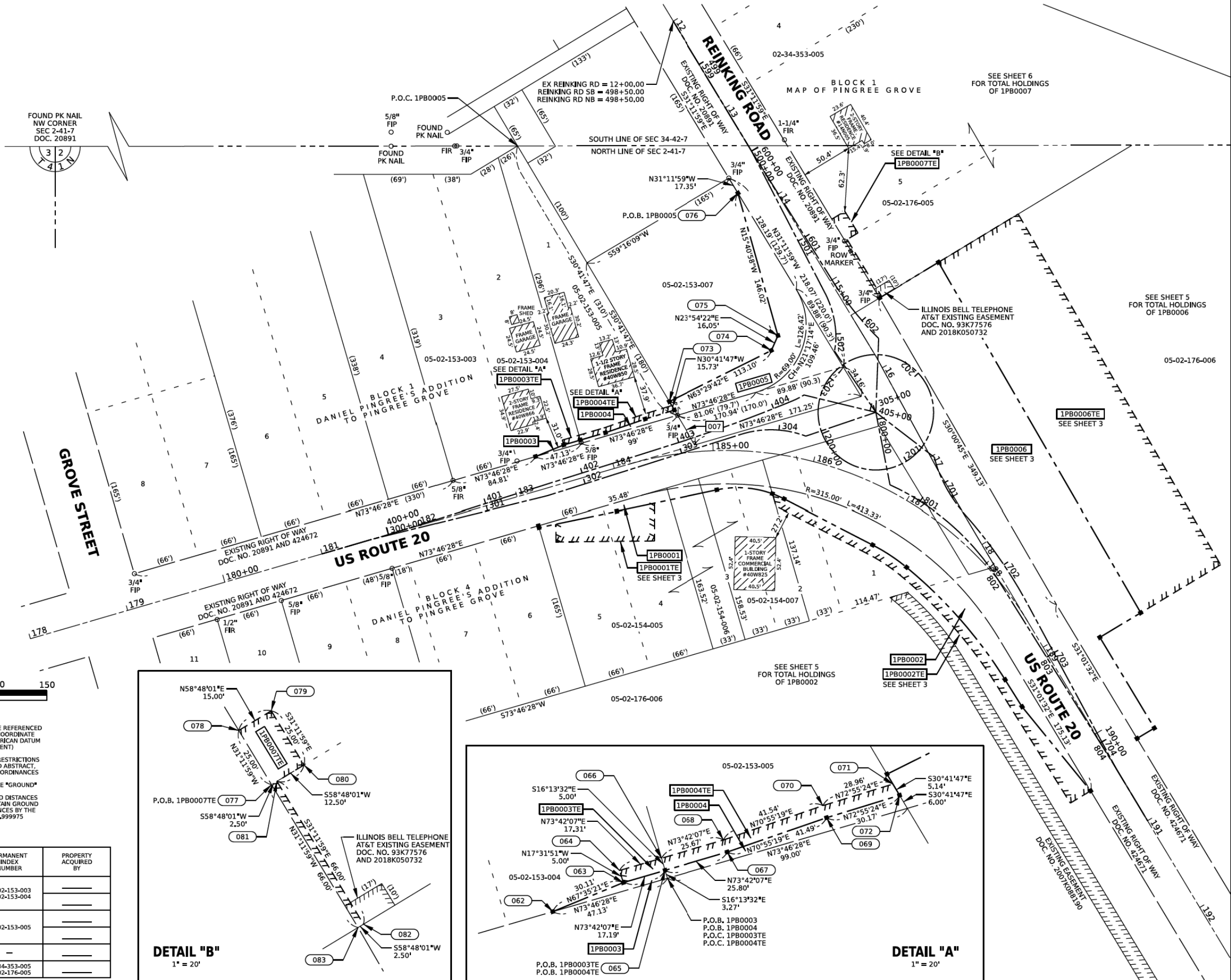
PARCEL NUMBER	TOTAL HOLDINGS (ACRES)	PARTS TAKEN (ACRES)	AREA IN EXISTING P.L.O.W. (ACRES)	REMAINDER AREA (ACRES)	EASEMENT AREA (ACRES)	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1PB0003	0.902	0.002 (89 SF)	—	0.900	—	05-02-153-003	—
1PB0003TE	—	—	—	—	0.002 (86 SF)	05-02-153-004	—
1PB0004	0.413	0.010	—	0.403	—	05-02-153-005	—
1PB0004TE	—	—	—	—	0.011	—	—
1PB0005	0.323	0.323	0.172	0.000	—	—	—
1PB0007TE	2.480	—	—	2.480	0.012	02-34-353-005 05-02-176-005	—



BEARINGS AND COORDINATES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2007 ADJUSTMENT)

FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO ABSTRACT, DEED, CONTRACTS AND ZONING ORDINANCES

AREAS SHOWN ON THIS PLAT ARE "GROUND" AREAS MEASURED AND CALCULATED DISTANCES ARE GRID NOT GROUND. TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999975



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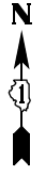
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PLOT DATE = 10/25/2022	CHECKED - JMM	REVISED -
	DATE - 10/25/2022	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS**

F.A.P. ROUTE 345	NW 1/4, SEC 2, T41N, R7E, 3RD PM	KANE COUNTY	JOB# R-91-030-22	TOTAL SHEETS 115	SHEET NO. 57
SEC 19-00187-00-CH	SW 1/4, SEC 34, T42N, R7E, 3RD PM	PROJECT#	STA TO STA	CONTRACT NO. 61J28	
SCALE: 1" = 50'	SHEET NO. 4 OF 6 SHEETS				

PART OF THE NW 1/4 OF SECTION 2, T41N AND THE SW 1/4 OF SECTION 34, T42N, R7E OF THE 3RD PM, KANE COUNTY, ILLINOIS

TOTAL HOLDING PARCEL 1PB0002 AND 1PB0006



BEARINGS AND COORDINATES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2007 ADJUSTMENT)

FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO ABSTRACT, DEED, CONTRACTS AND ZONING ORDINANCES

AREAS SHOWN ON THIS PLAT ARE "GROUND"

ALL MEASURED AND CALCULATED DISTANCES ARE GRID NOT GROUND. TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.999975

LEGEND

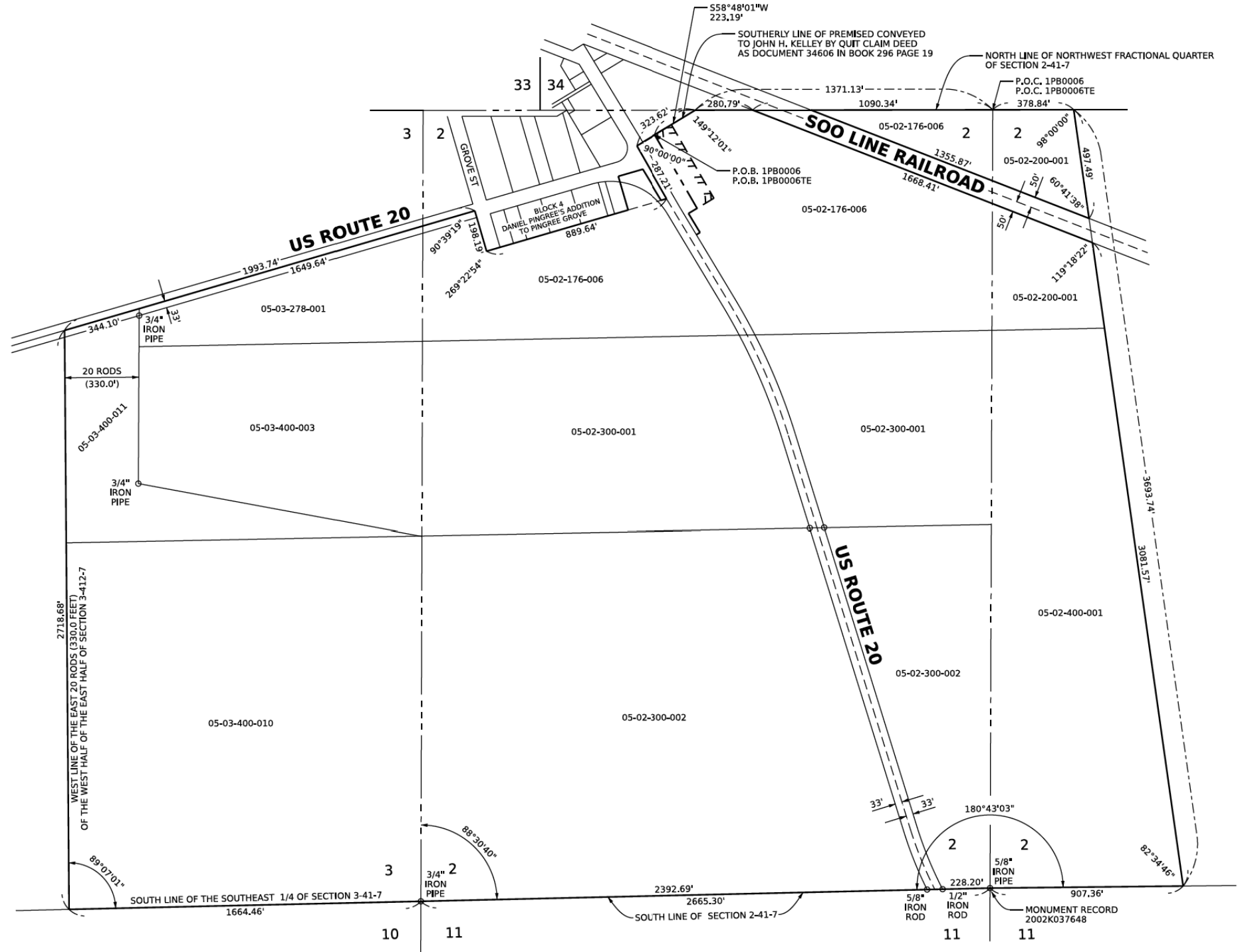
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- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT
- SECTION LINE
- PROPERTY LINE (PLATTED)
- SAME OWNERSHIP
- MEASURED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- METAL PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 SET STAKE FLUSH WITH GROUND IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
- T3 PLASTIC CAP WITH INSCRIPTION DATA.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED STAKE 20 INCHES BELOW GROUND IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
- BT3 WITH INSCRIPTION DATA.
- STAKING OF PROPOSED RIGHT OF WAY. SET STAKE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED STAKE 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
- PERMANENT SURVEY MARKER, (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

I, JAMES M. MCKENZIE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

JAMES M. MCKENZIE, PLS NO. 035-003247
LICENSE EXPIRATION DATE: 11/30/2024



MODEL: Plat of Highway 1 (Sheet) FILE NAME: H:\FILES\CE\CE0209 - US Rte 20 Roundabout Pl. 215.0 Dredman.S3_CADD\DWG\Plat of Highway.dgn



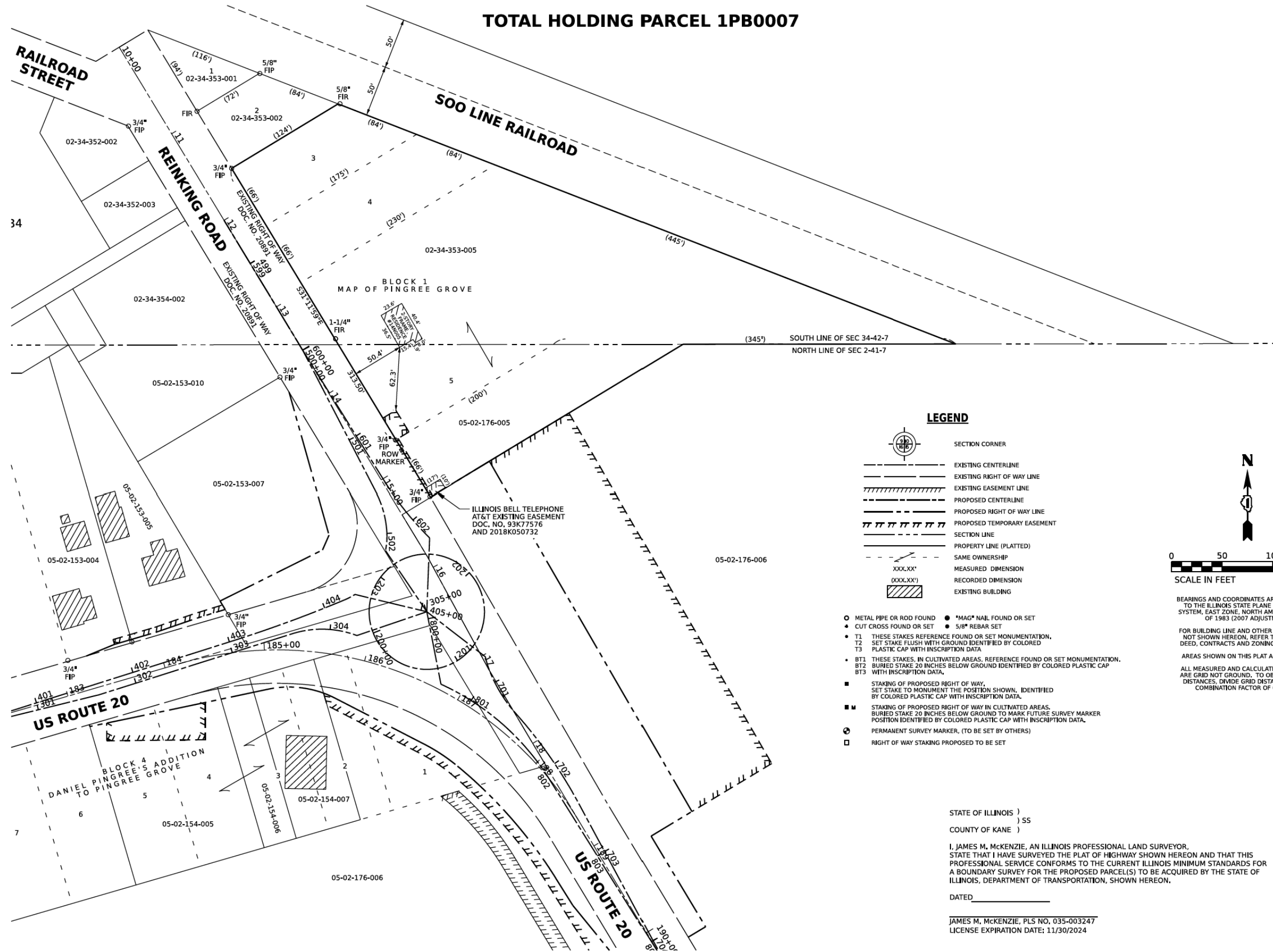
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PLOT DATE = 10/25/2022	CHECKED - JMM	REVISED -
	DATE - 10/25/2022	REVISED -

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS

F.A.P. ROUTE 345	NW 1/4, SEC 2, T41N, R7E, 3RD PM	KANE COUNTY	JOB# R-91-030-22	TOTAL SHEETS	SHEET NO.
SEC 19-00187-00-CH	SW 1/4, SEC 34, T42N, R7E, 3RD PM	PROJECT#		115	58
SCALE: 1" = 300'	SHEET NO. 5 OF 6 SHEETS	STA	TO STA	CONTRACT NO. 61J28	

PART OF THE NW 1/4 OF SECTION 2, T41N AND THE SW 1/4 OF SECTION 34, T42N, R7E OF THE 3RD PM, KANE COUNTY, ILLINOIS

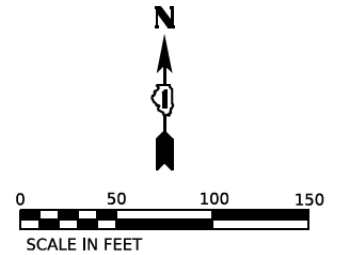
TOTAL HOLDING PARCEL 1PB0007



LEGEND

- SECTION CORNER
- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- PROPOSED CENTERLINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED TEMPORARY EASEMENT
- SECTION LINE
- PROPERTY LINE (PLATTED)
- SAME OWNERSHIP
- MEASURED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- METAL PIPE OR ROD FOUND
- *MAG* NAIL FOUND OR SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 SET STAKE FLUSH WITH GROUND IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA
- T3 PLASTIC CAP WITH INSCRIPTION DATA
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED STAKE 20 INCHES BELOW GROUND IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
- BT3 WITH INSCRIPTION DATA.
- STAKING OF PROPOSED RIGHT OF WAY, SET STAKE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED STAKE 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP WITH INSCRIPTION DATA.
- ⊙ PERMANENT SURVEY MARKER, (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



BEARINGS AND COORDINATES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2007 ADJUSTMENT)

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STATE OF ILLINOIS)
) SS
 COUNTY OF KANE)

I, JAMES M. MCKENZIE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

JAMES M. MCKENZIE, PLS NO. 035-003247
 LICENSE EXPIRATION DATE: 11/30/2024

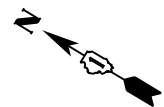
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PLOT DATE = 10/25/2022	CHECKED - JMM	REVISED -
	DATE - 10/25/2022	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS**

F.A.P. ROUTE 345	NW 1/4, SEC 2, T41N, R7E, 3RD PM	KANE COUNTY	JOB# R-91-030-22	TOTAL SHEETS	SHEET NO.
SEC 19-00187-00-CH	SW 1/4, SEC 34, T42N, R7E, 3RD PM	PROJECT#		115	59
SCALE: 1" = 50'	SHEET NO. 6 OF 6 SHEETS	STA	TO STA	CONTRACT NO. 61J28	

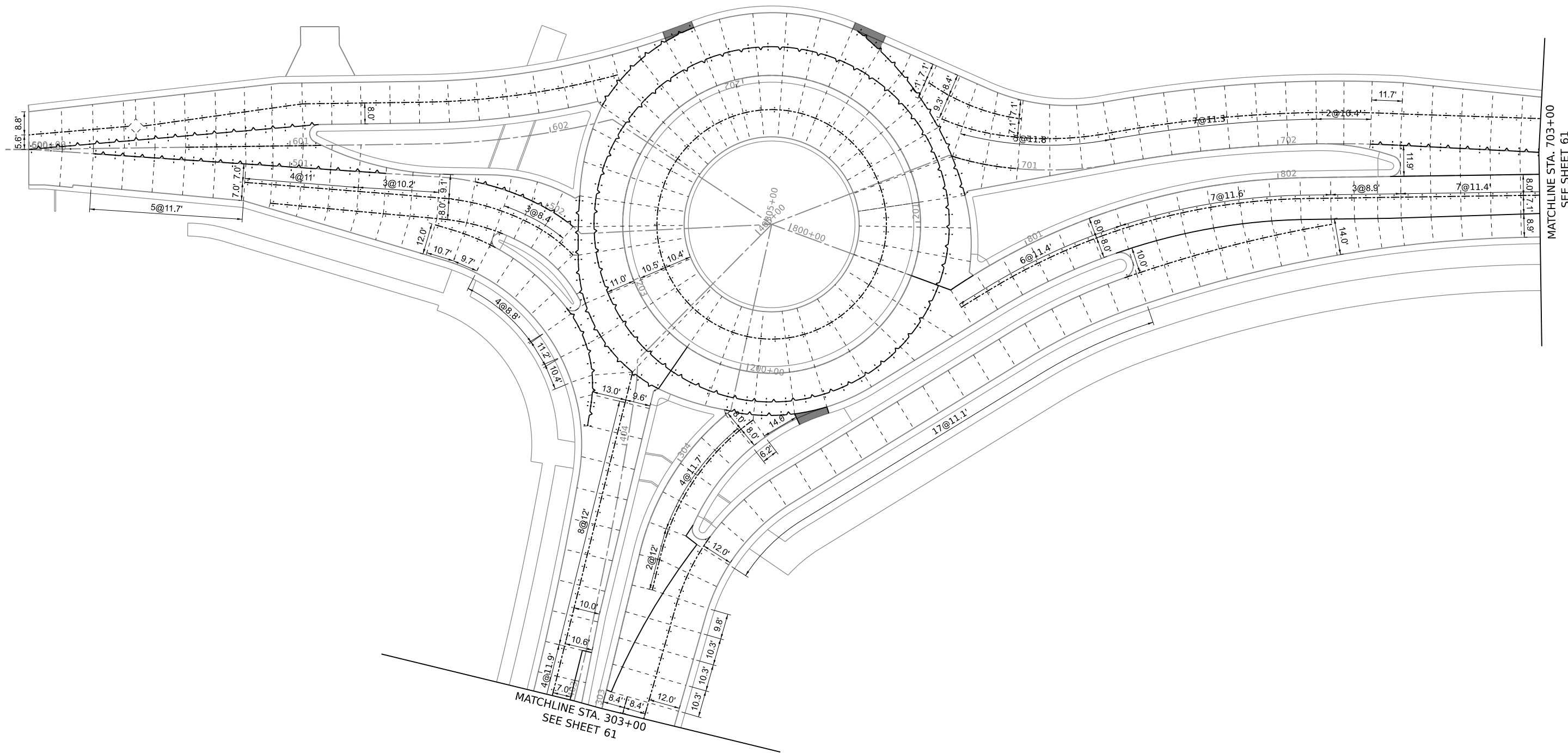


NOTES:

1. ALL PCC JOINTING SHALL MEET THE REQUIREMENTS OF IDOT HIGHWAY STANDARDS 420001 AND 420111 AND DISTRICT ONE STANDARDS BD-52 AND BD-53.
2. SAWED TRANSVERSE JOINTS SPACING SHALL NOT EXCEED 12 FEET.

LEGEND

- KEYED LONGITUDINAL JOINT WITH TIE BARS DRILLED AND GROUTED
- SAWED LONGITUDINAL JOINT WITH TIE BARS POURED IN PLACE
- TRANSVERSE CONTRACTION JOINT
- CONSTRUCTION JOINT WITH TIE BARS DRILLED AND GROUTED

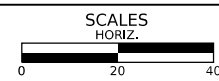


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DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE	2/14/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION







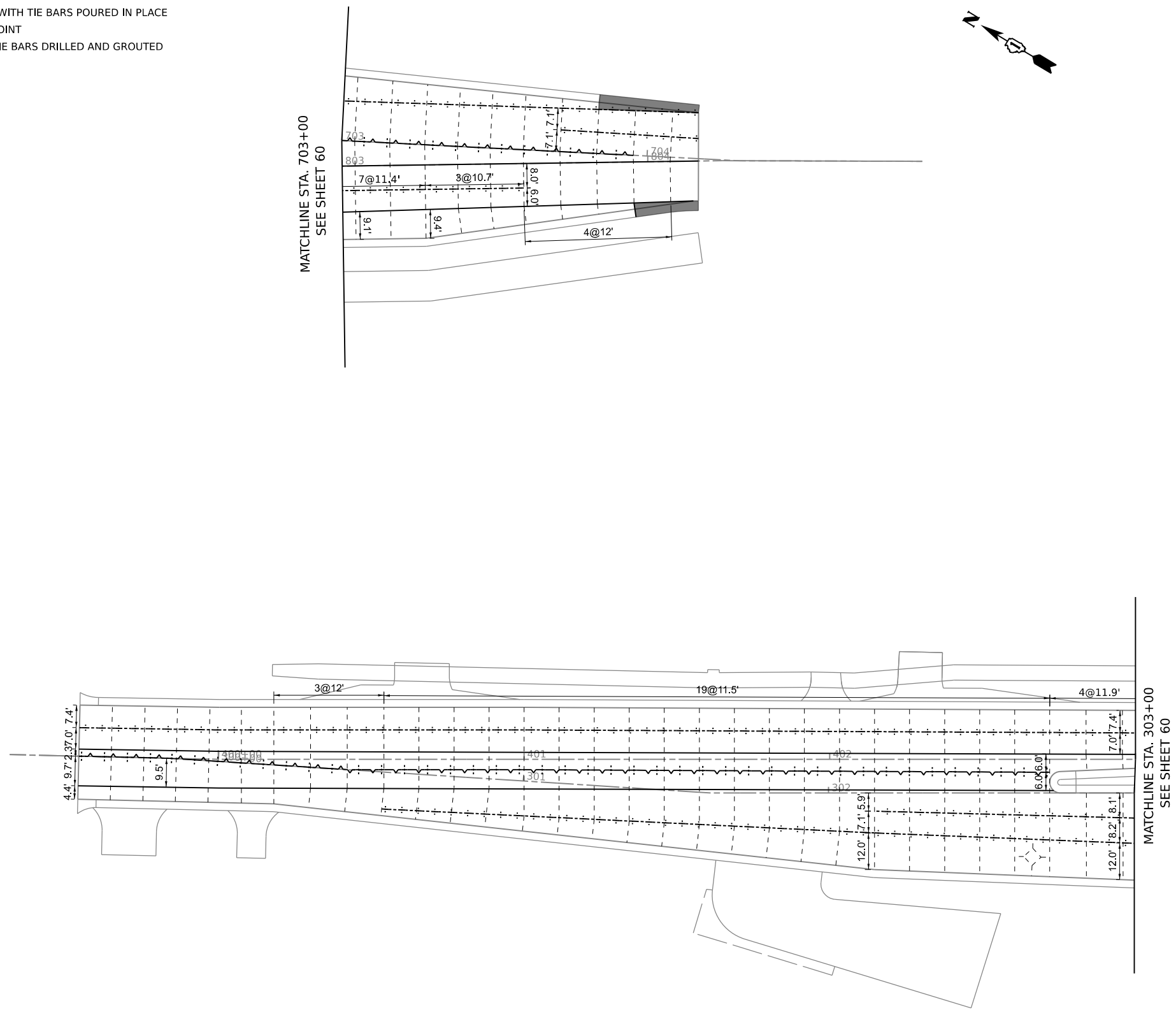
JOINTING PLAN

SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 60
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 61J28				

LEGEND

-  KEYED LONGITUDINAL JOINT WITH TIE BARS DRILLED AND GROUTED
-  SAWED LONGITUDINAL JOINT WITH TIE BARS POURED IN PLACE
-  TRANSVERSE CONTRACTION JOINT
-  CONSTRUCTION JOINT WITH TIE BARS DRILLED AND GROUTED

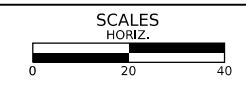


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DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	2/14/2024	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

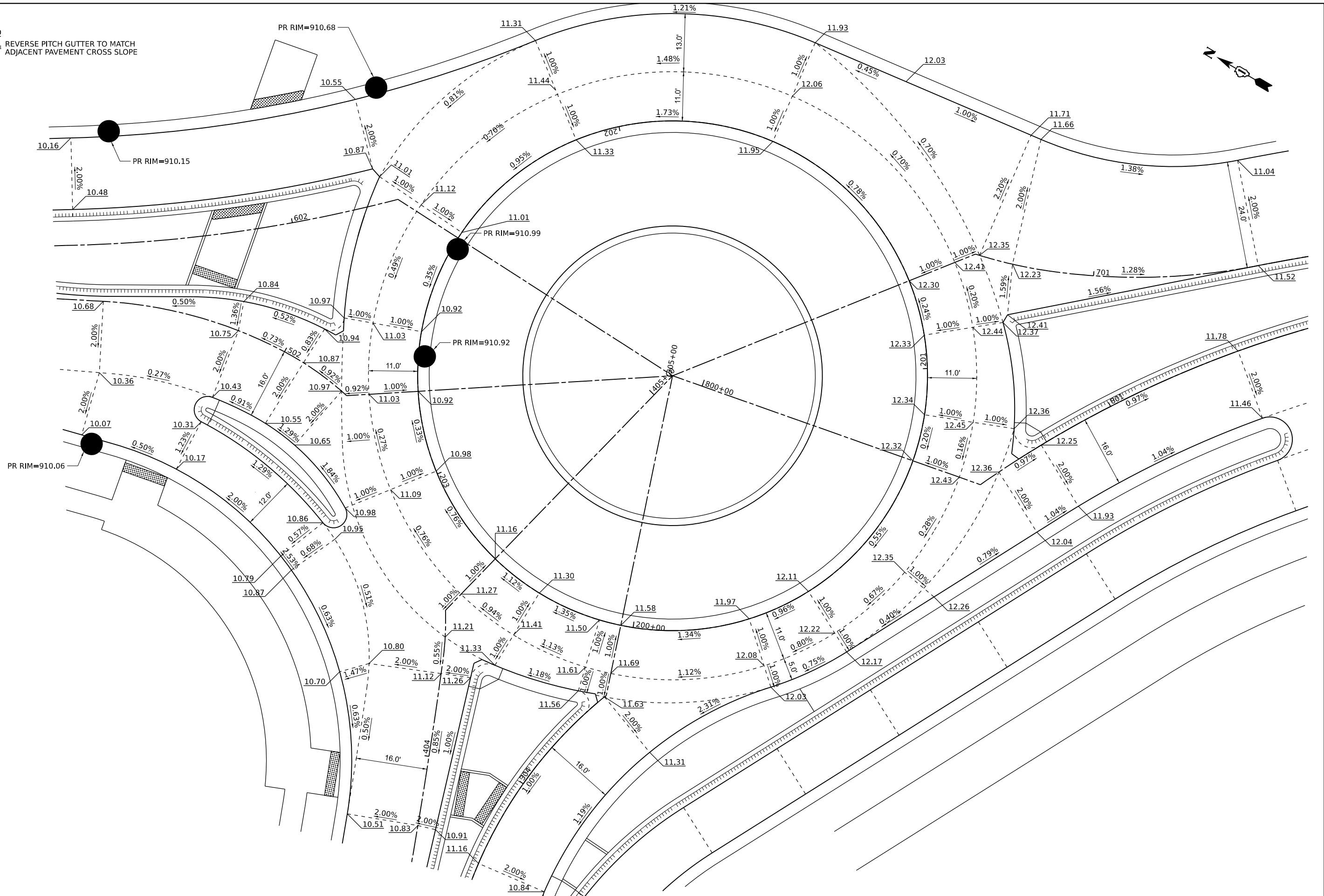
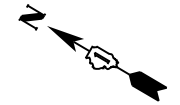


JOINTING PLAN

SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 61
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LEGEND
 REVERSE PITCH GUTTER TO MATCH ADJACENT PAVEMENT CROSS SLOPE

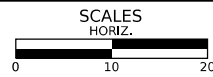


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CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



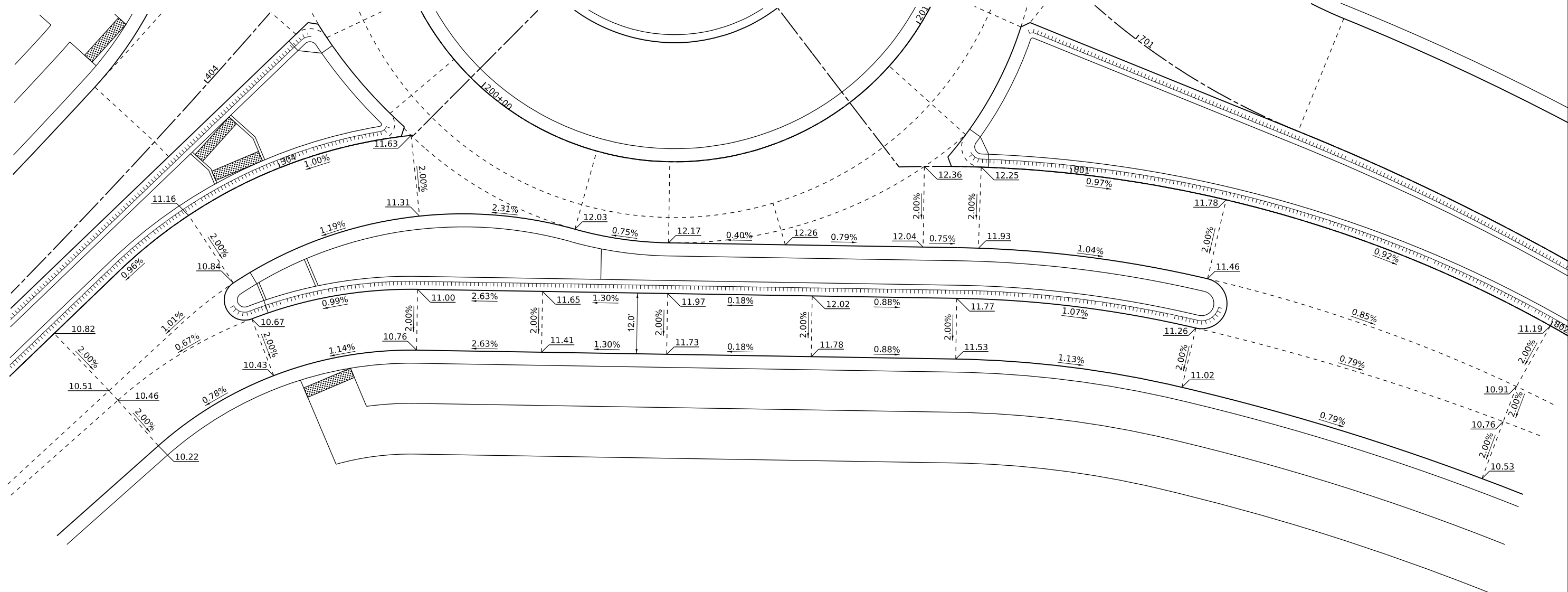
INTERSECTION GRADING PLAN

SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 62
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND
 REVERSE PITCH GUTTER TO MATCH
 ADJACENT PAVEMENT CROSS SLOPE

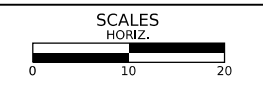


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DATE - 2/14/2024	REVISED -

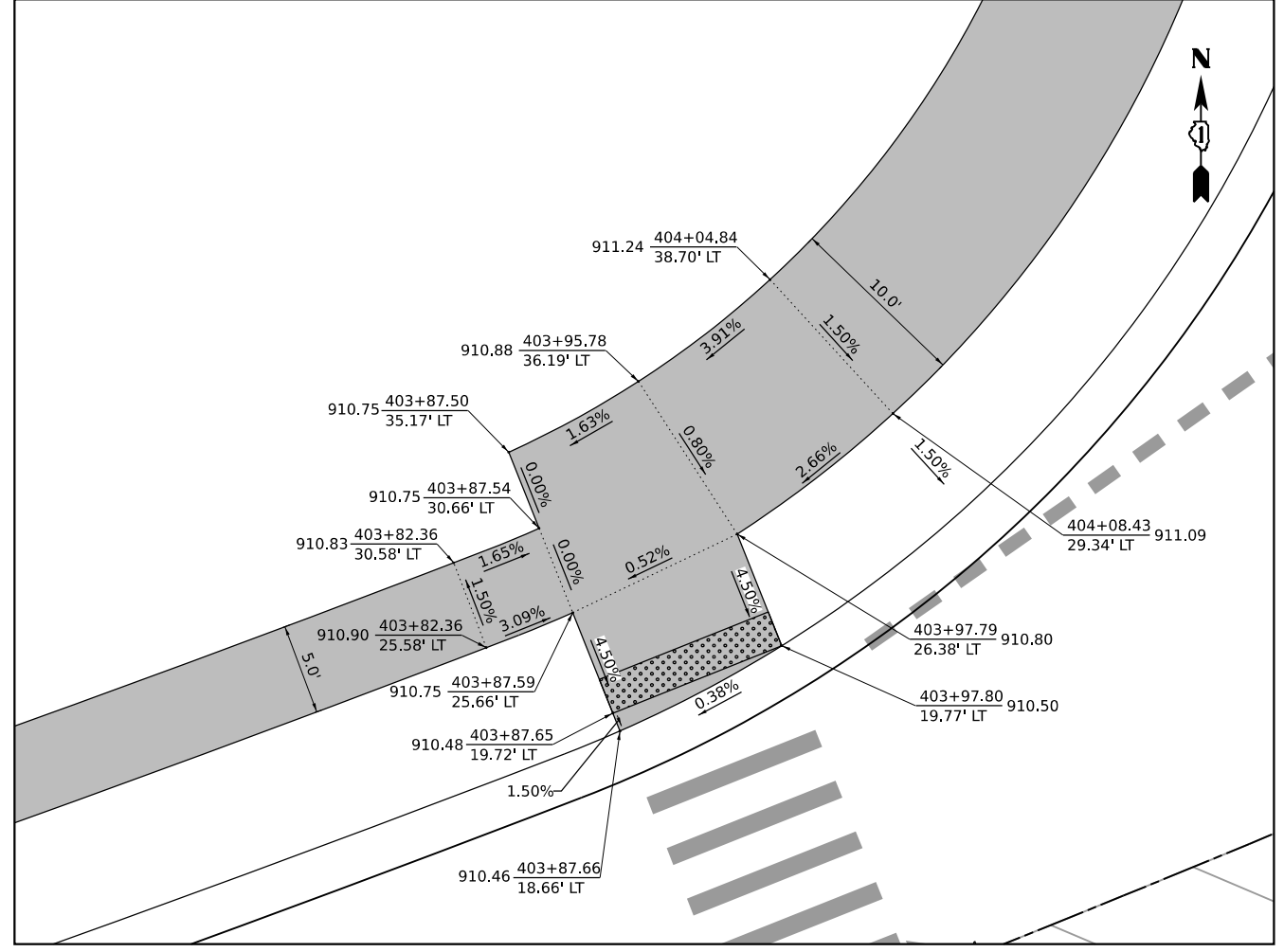
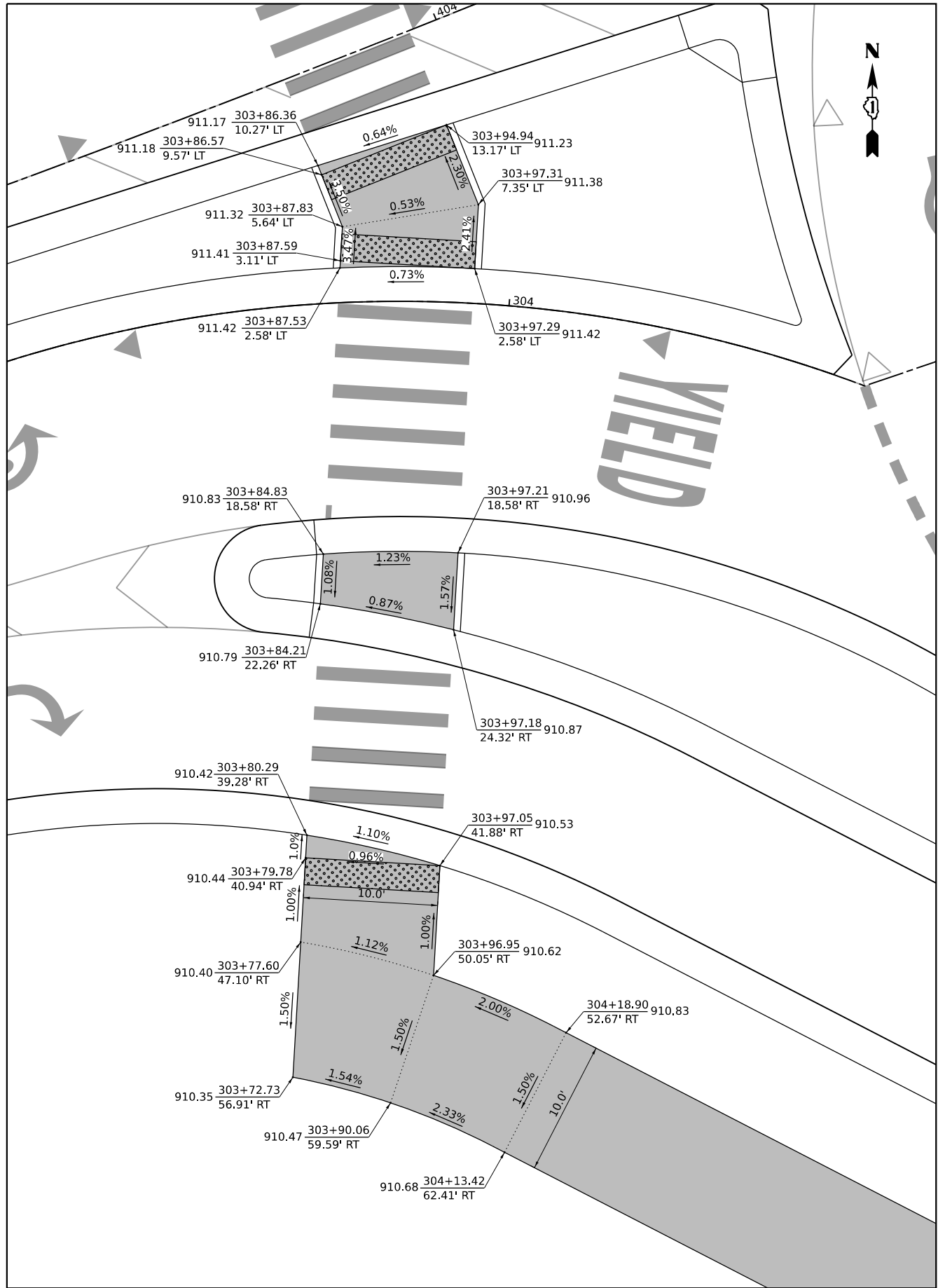
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

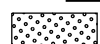


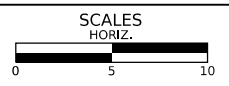
INTERSECTION GRADING PLAN

SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 63
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J28	



LEGEND
 DETECTABLE WARNINGS



SIDEWALK GRADING DETAILS

SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 64
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

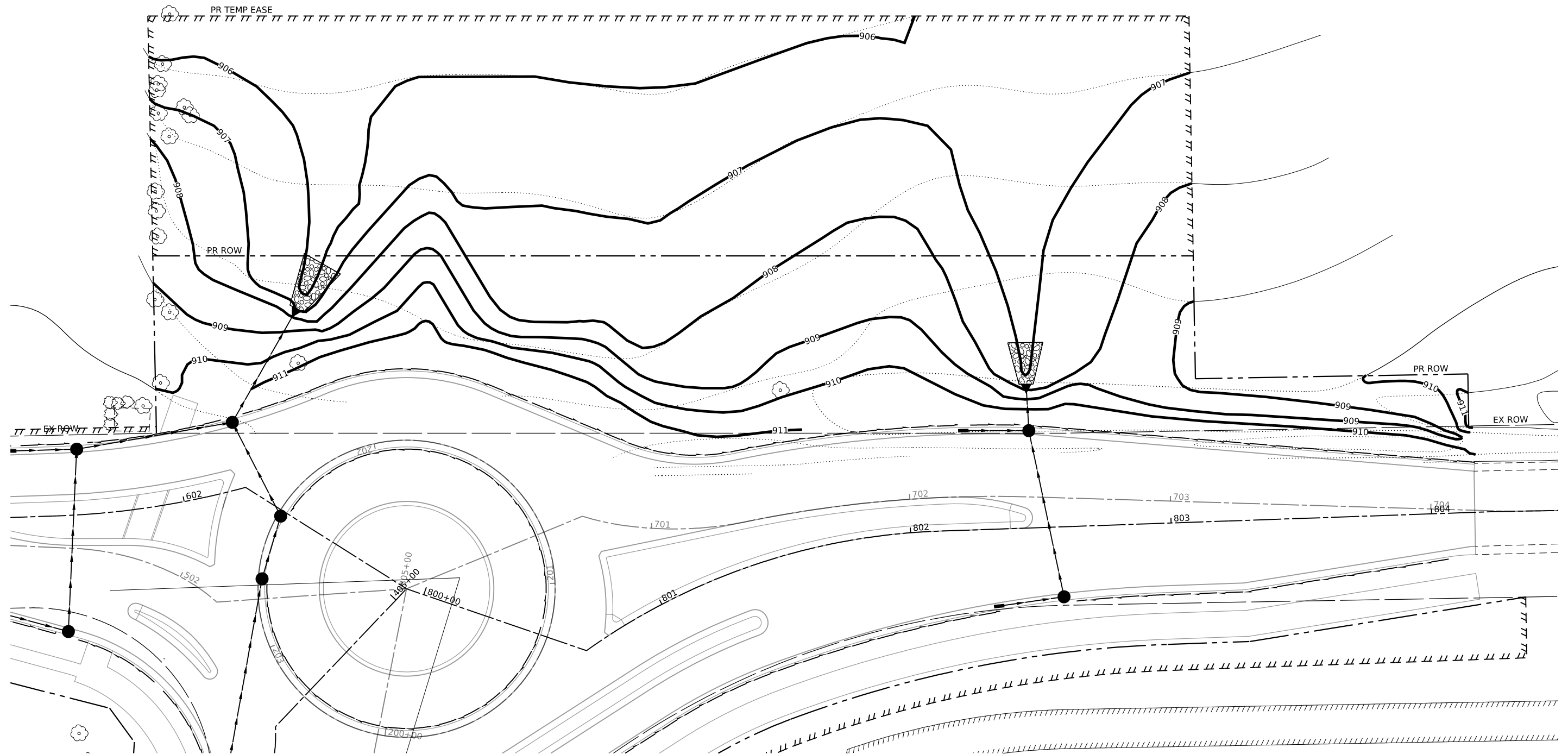
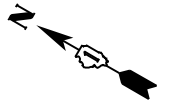
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DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

- LEGEND**
- EXISTING CONTOUR TO REMAIN
 - ⋯ EXISTING CONTOUR REGRADED
 - XXX— PROPOSED CONTOUR

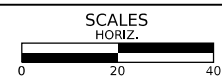


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DATE	2/14/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



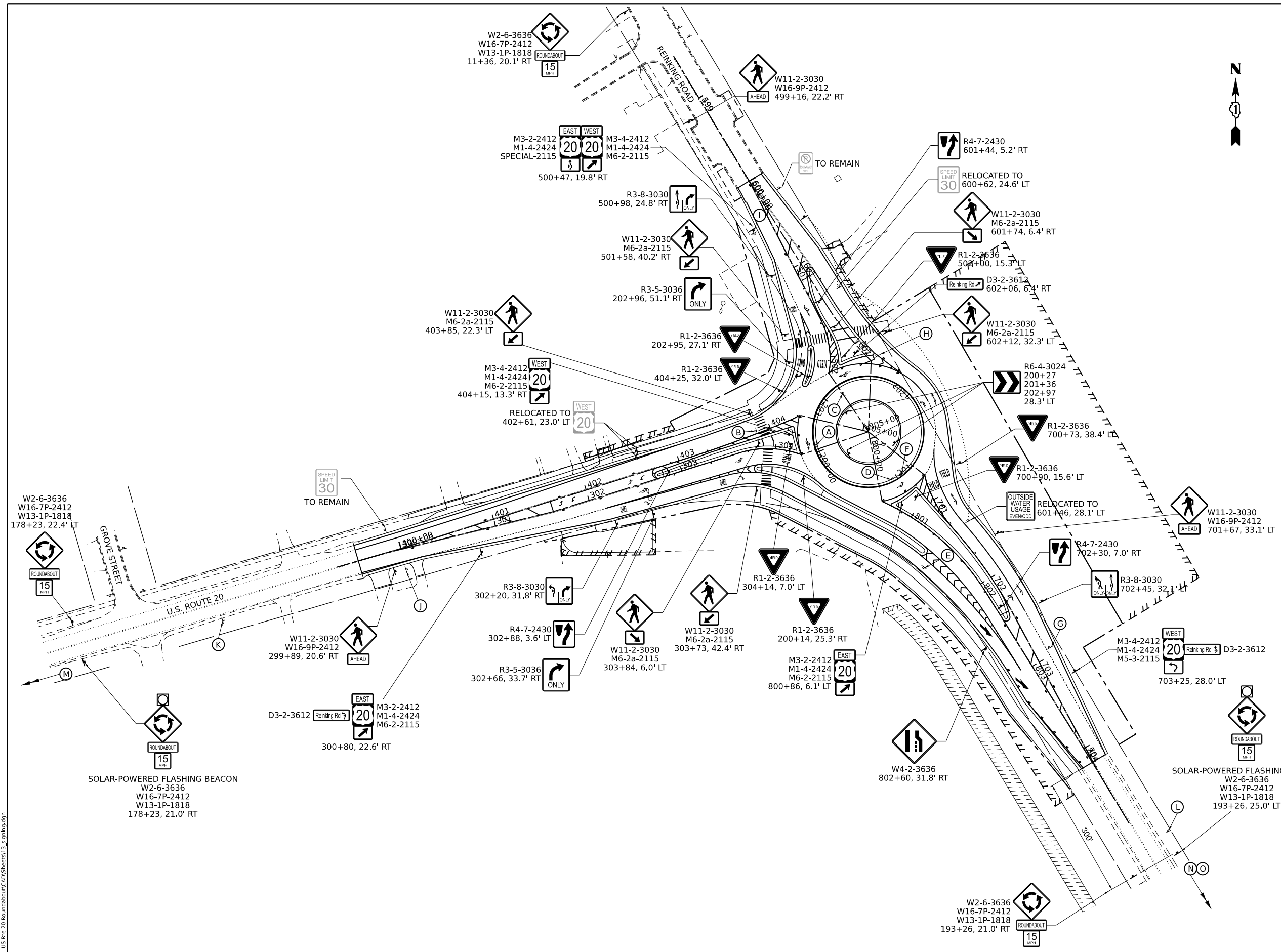
SITE GRADING PLAN

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 66
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGN REMOVAL SCHEDULE

- (A)
- (B)
- (C)
- (D)
- (E)
- (F)
- (G)
- (H)
- (I)
- (J)
- (K)
- (L)
- (M) EXISTING FLASHING BEACON 125 FT WEST OF GROVE STREET TO BE REMOVED AFTER COMPLETION OF STAGE 2
- (N) ASSEMBLY 1000 FT SOUTH OF REINKING ROAD TO BE REMOVED AFTER COMPLETION OF STAGE 2
- (O) EXISTING FLASHING BEACON 1225 FT SOUTH OF REINKING ROAD TO BE REMOVED AFTER COMPLETION OF STAGE 2

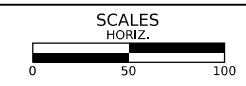


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DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE	2/14/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SIGNING PLAN

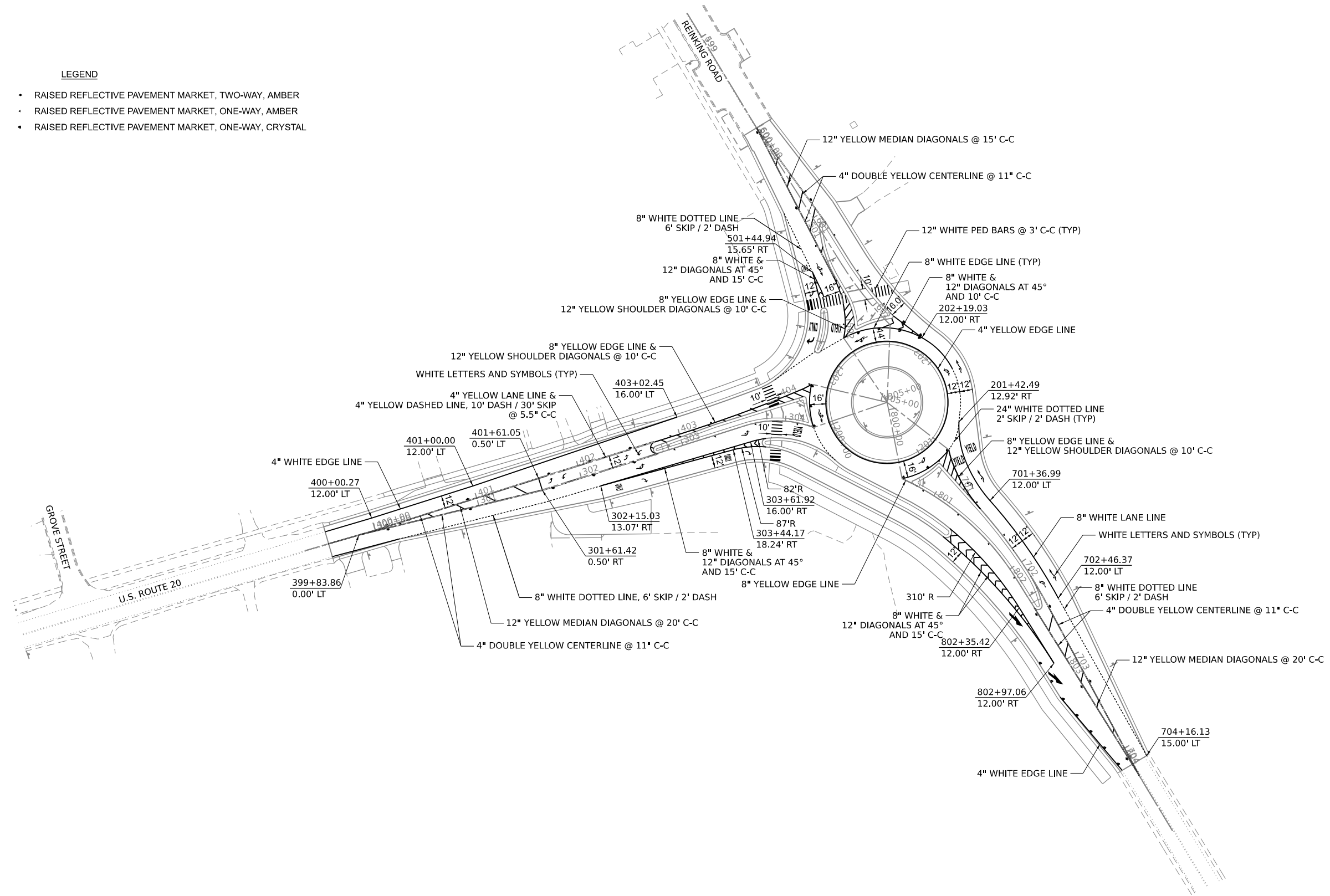
SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 67
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

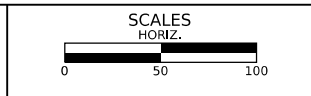
- RAISED REFLECTIVE PAVEMENT MARKET, TWO-WAY, AMBER
- RAISED REFLECTIVE PAVEMENT MARKET, ONE-WAY, AMBER
- RAISED REFLECTIVE PAVEMENT MARKET, ONE-WAY, CRYSTAL



MODEL: Sheets
 FILE NAME: C:\308324-US Rte 20 Roundabout\CAD\Sheets\13_astrip.mxd

	DESIGNED - TGB	REVISED -
	DRAWN - KEH	REVISED -
	CHECKED - RTM	REVISED -
	DATE - 2/14/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PAVEMENT MARKING PLAN

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 68
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LIGHTING GENERAL NOTES

- THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION, RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BASED ON UTILITY/JULIE MARKINGS PRIOR TO BEGINNING CONSTRUCTION.
- THE LOCATIONS OF EXISTING LIGHTING FACILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS.
- BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES THE CONTRACTOR SHALL CALL ELECTRIC UTILITY COMPANY FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS:
 - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS PREPARED BY IDOT, ALSO REFERRED TO AS THE "STANDARD SPECIFICATIONS"
 - NATIONAL ELECTRIC CODE (NEC)
 - LOCAL CODES AND STANDARDS
 - COM ED STANDARDS
- LIGHT POLE LOCATIONS SHALL COMPLY WITH THE MINIMUM CLEAR WIDTHS FOR AN ACCESSIBLE ROUTE FOR SIDEWALKS PER THE CURRENT AMERICAN DISABILITIES ACT (ADA) REQUIREMENTS AND COMPLY WITH IDOT BDE CHAPTER 17-4.04.
- NO LIGHT POLE SHALL BE ERECTED UNTIL THE FOUNDATION HAS CURED PER ARTICLE 1020.13 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL INSTALL LUMINAIRES LEVEL WITH OPTICS SET PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY OR SIDEWALK/PATHWAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH FINISH GRADE.
- ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED.
- UNDERGROUND CABLES SHALL BE DISCONNECTED AND REMOVED FROM CONDUITS TO BE ABANDONED.
- UNDERGROUND CONDUITS TO BE ABANDONED SHALL BE REMOVED TO A MINIMUM OF 2 FT BELOW GRADE.
- THE CONTRACTOR SHALL FURNISH AND INSTALL A CONCRETE WORK PAD IN FRONT OF THE LIGHTING CONTROLLER PER SECTION 825 OF THE STANDARD SPECIFICATIONS.

LIGHTING BILL OF MATERIALS

DESCRIPTION	UNIT	TOTAL
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	365
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	88
HANDHOLE	EACH	2
UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	106
UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. HIGH DENSITY POLYETHYLENE	FOOT	1,936
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	524
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1,184
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	15
LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
LIGHT POLE, ALUMINUM, 35 FT. M.H., 10 FT. DAVIT ARM	EACH	15
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	126
BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	15
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2
REMOVAL OF POLE FOUNDATION	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,804
MAINTENANCE OF LIGHTING SYSTEM	EACH	1
CONDUIT SPLICE	EACH	1
LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	14
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	15
DISCONNECT AND RECONNECT ELECTRIC SERVICE	EACH	1

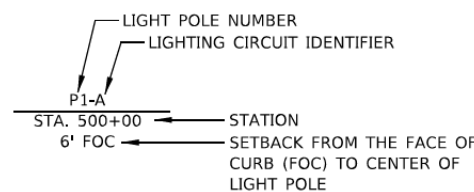
LIGHTING LEGEND

	INSTALL LIGHT POLE, ALUMINUM, 35 FT. M.H., 10 FT. DAVIT ARM WITH LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G ON A LIGHT POLE FOUNDATION, 24" DIAMETER WITH BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE
	PROPOSED LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 100 AMP
	PROPOSED COMPOSITE CONCRETE HANDHOLE
	PROPOSED ELECTRICAL CABLE IN CONDUIT (SIZE AS NOTED ON PLANS)
	PROPOSED RGS CONDUIT SLEEVE
	EXISTING 14'-0" DECORATIVE LIGHT POLE WITH A LED CAGED ACORN LUMINAIRE TO REMAIN (LIGHTING UNIT IS OWNED AND MAINTAINED BY THE VILLAGE OF PINGREE GROVE)
	EXISTING ELECTRICAL CABLE IN CONDUIT TO REMAIN
	EXISTING ELECTRICAL CABLE IN CONDUIT TO BE REMOVED (SEE NOTES 10 & 11)

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CP	CONTROL POINT
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
E.O.P.	EDGE OF PAVEMENT
F.O.C.	FACE OF CURB
FT	FEET OR FOOT
FU	FUSE
GALV	GALVANIZED
GND	GROUND
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATT
MA	MAST ARM
MC	MULTI-CONDUCTOR
M.H.	MOUNTING HEIGHT
MW	MESSANGER WIRE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED STEEL
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS OTHERWISE NOTED
WP	WOOD POLE
XFMR	TRANSFORMER
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

CALL-OUT SAMPLE



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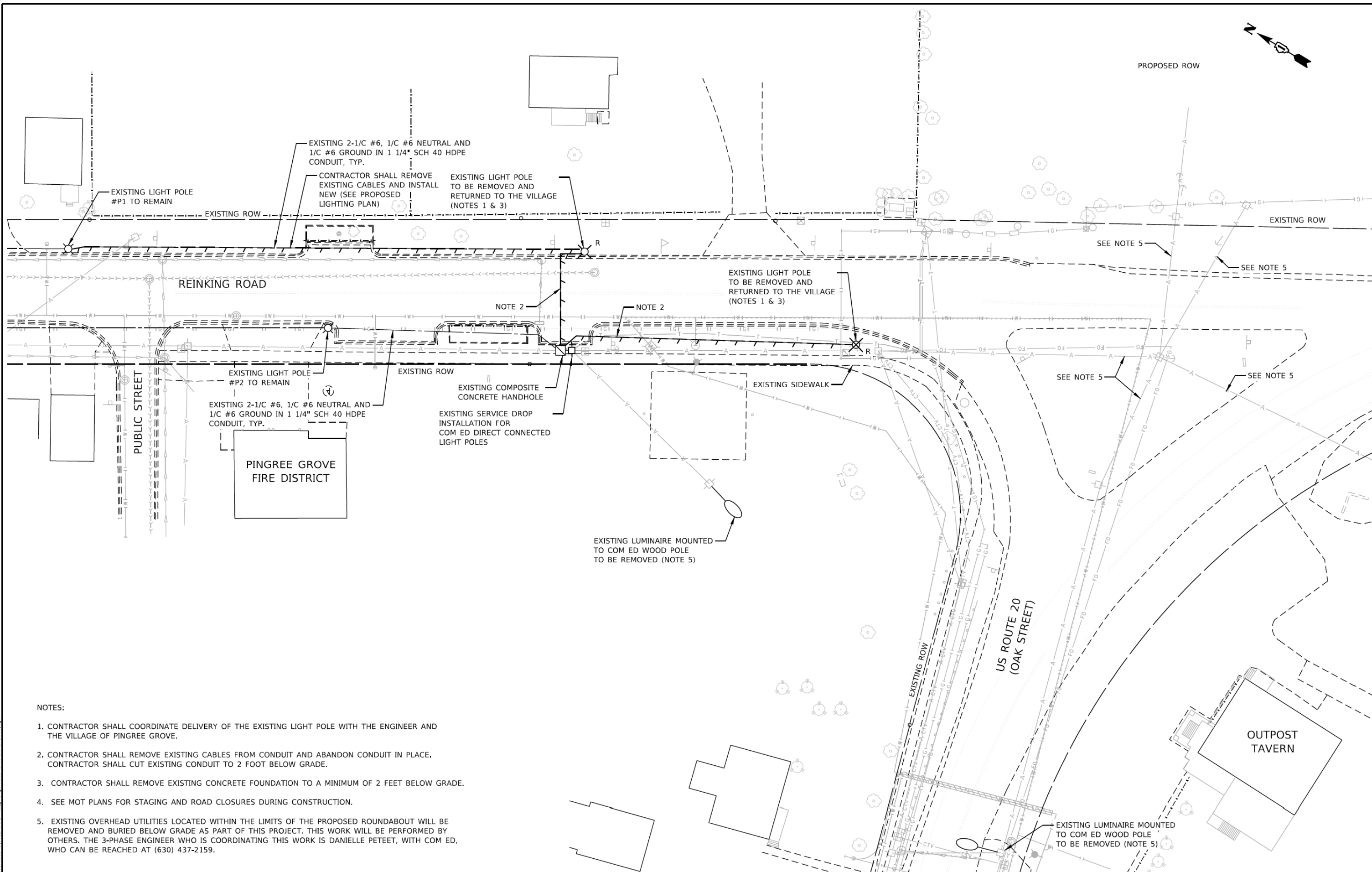
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DRAWN - KL	REVISED -
CHECKED - JV	REVISED -
DATE - 6/12/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING GENERAL NOTES AND LEGEND

SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	19-00187-00-CH	KANE	115	69
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

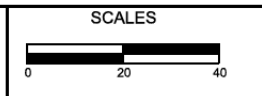
1. CONTRACTOR SHALL COORDINATE DELIVERY OF THE EXISTING LIGHT POLE WITH THE ENGINEER AND THE VILLAGE OF PINGREE GROVE.
2. CONTRACTOR SHALL REMOVE EXISTING CABLES FROM CONDUIT AND ABANDON CONDUIT IN PLACE. CONTRACTOR SHALL CUT EXISTING CONDUIT TO 2 FOOT BELOW GRADE.
3. CONTRACTOR SHALL REMOVE EXISTING CONCRETE FOUNDATION TO A MINIMUM OF 2 FEET BELOW GRADE.
4. SEE MOT PLANS FOR STAGING AND ROAD CLOSURES DURING CONSTRUCTION.
5. EXISTING OVERHEAD UTILITIES LOCATED WITHIN THE LIMITS OF THE PROPOSED ROUNDABOUT WILL BE REMOVED AND BURIED BELOW GRADE AS PART OF THIS PROJECT. THIS WORK WILL BE PERFORMED BY OTHERS. THE 3-PHASE ENGINEER WHO IS COORDINATING THIS WORK IS DANIELLE PETEET, WITH COM ED, WHO CAN BE REACHED AT (630) 437-2159.

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CHECKED -	JV	REVISED -	
DATE	6/12/2023	REVISED -	

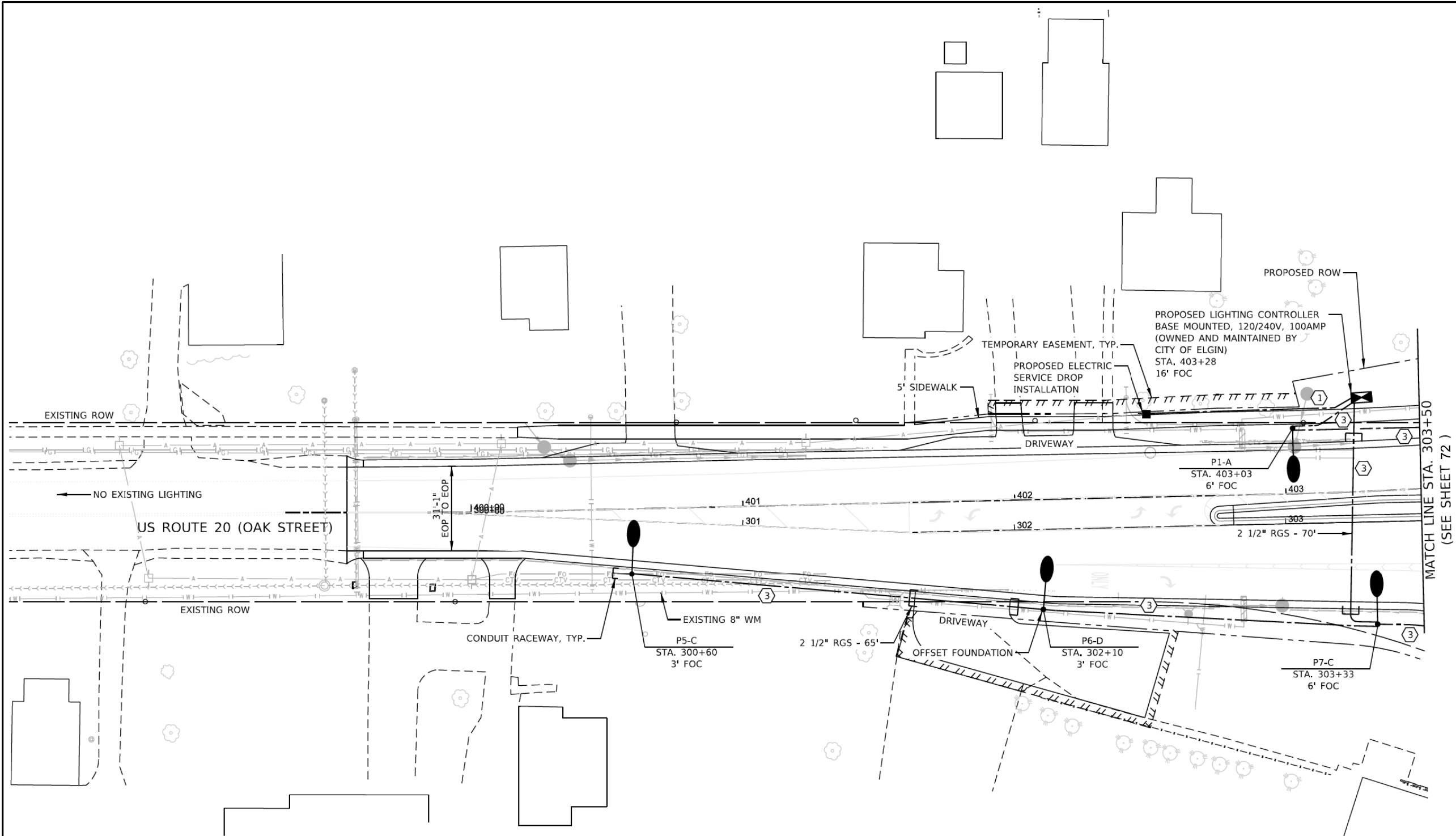
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DEPARTMENT OF TRANSPORTATION**



LIGHTING REMOVAL PLAN

SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	19-00187-00-CH	KANE	115	70
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

- 1. SEE MOT PLANS FOR STAGING AND ROAD CLOSURES DURING CONSTRUCTION.

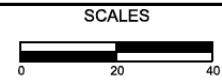
PROPOSED LIGHTING CABLE AND CONDUIT SCHEDULE	
①	ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C #2 IN UNDERGROUND CONDUIT, GALV STEEL, 2 1/2" DIA.
②	UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, 1 1/4" DIA. POLYETHYLENE
③	UNIT DUCT, 600V, 4-1/C #6, 1/C #6 GROUND, 1 1/4" DIA. POLYETHYLENE
④	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND IN EXISTING CONDUIT
⑤	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND IN UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.

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DRAWN -	KL	REVISED -	
CHECKED -	JV	REVISED -	
DATE	6/12/2023	REVISED -	

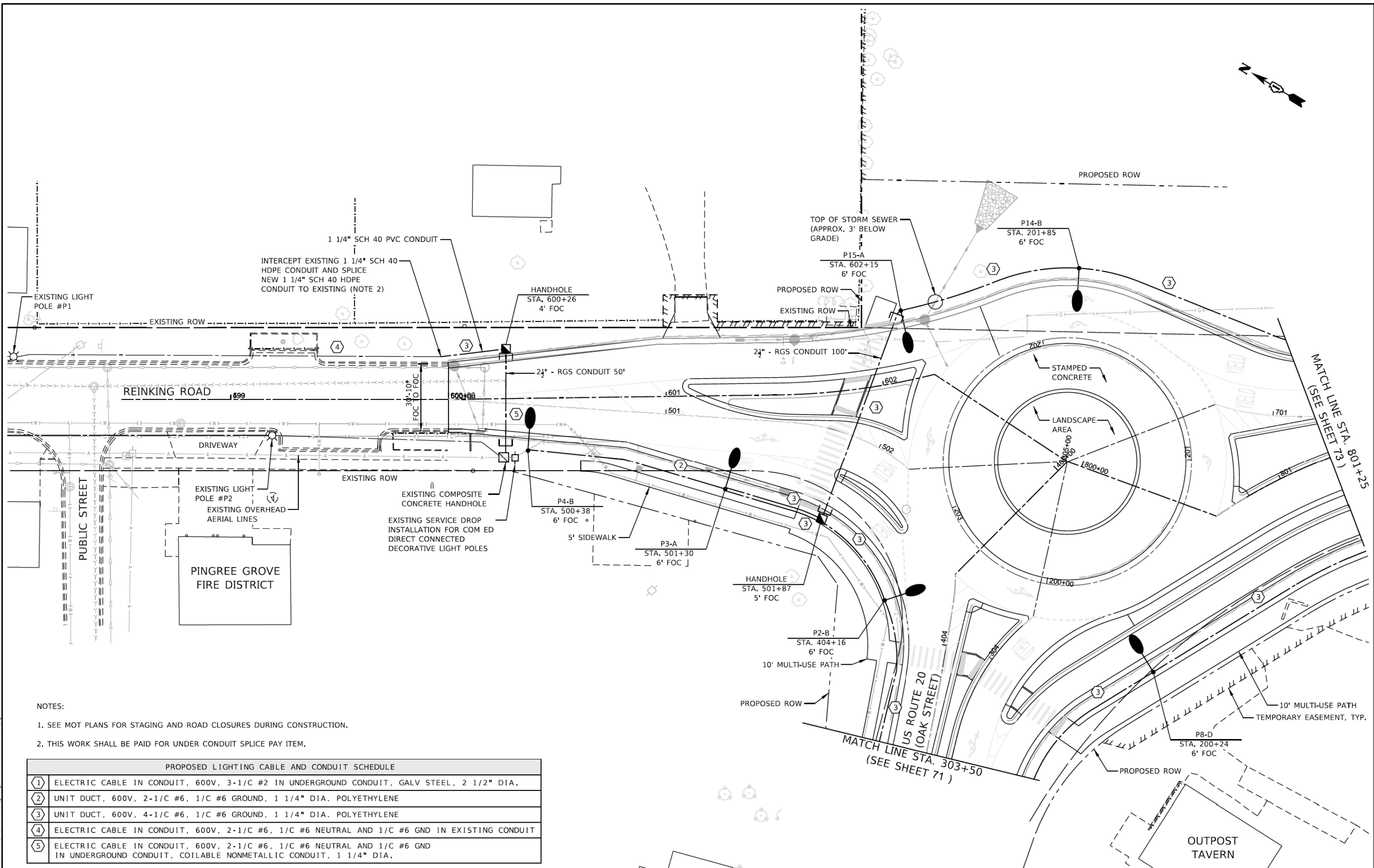
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



PROPOSED LIGHTING PLAN

SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	19-00187-00-CH	KANE	115	71
CONTRACT NO.				
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



- NOTES:
1. SEE MOT PLANS FOR STAGING AND ROAD CLOSURES DURING CONSTRUCTION.
 2. THIS WORK SHALL BE PAID FOR UNDER CONDUIT SPLICE PAY ITEM.

PROPOSED LIGHTING CABLE AND CONDUIT SCHEDULE	
①	ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C #2 IN UNDERGROUND CONDUIT, GALV STEEL, 2 1/2" DIA.
②	UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, 1 1/4" DIA. POLYETHYLENE
③	UNIT DUCT, 600V, 4-1/C #6, 1/C #6 GROUND, 1 1/4" DIA. POLYETHYLENE
④	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND IN EXISTING CONDUIT
⑤	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND IN UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.

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CHECKED - JV	REVISED -
DATE - 6/12/2023	REVISED -

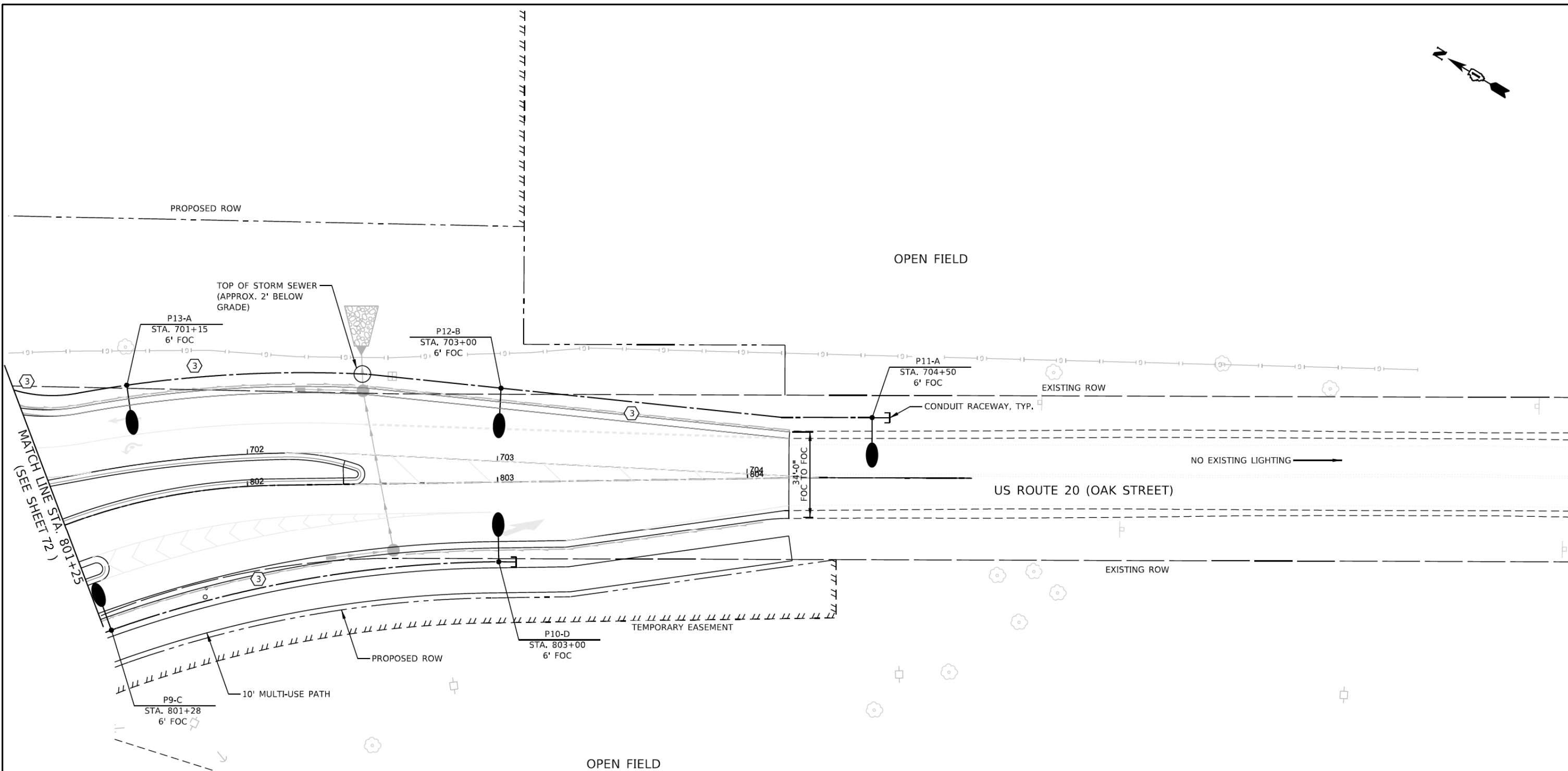
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



PROPOSED LIGHTING PLAN

SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	19-00187-00-CH	KANE	115	72
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



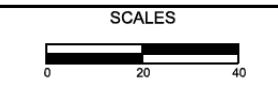
PROPOSED LIGHTING CABLE AND CONDUIT SCHEDULE	
①	ELECTRIC CABLE IN CONDUIT, 600V, 3-1/C #2 IN UNDERGROUND CONDUIT, GALV STEEL, 2 1/2" DIA.
②	UNIT DUCT, 600V, 2-1/C #6, 1/C #6 GROUND, 1 1/4" DIA. POLYETHYLENE
③	UNIT DUCT, 600V, 4-1/C #6, 1/C #6 GROUND, 1 1/4" DIA. POLYETHYLENE
④	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND IN EXISTING CONDUIT
⑤	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #6, 1/C #6 NEUTRAL AND 1/C #6 GND IN UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.

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CiorbaGroup
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

DESIGNED - KL	REVISED -
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CHECKED - JV	REVISED -
DATE - 6/12/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



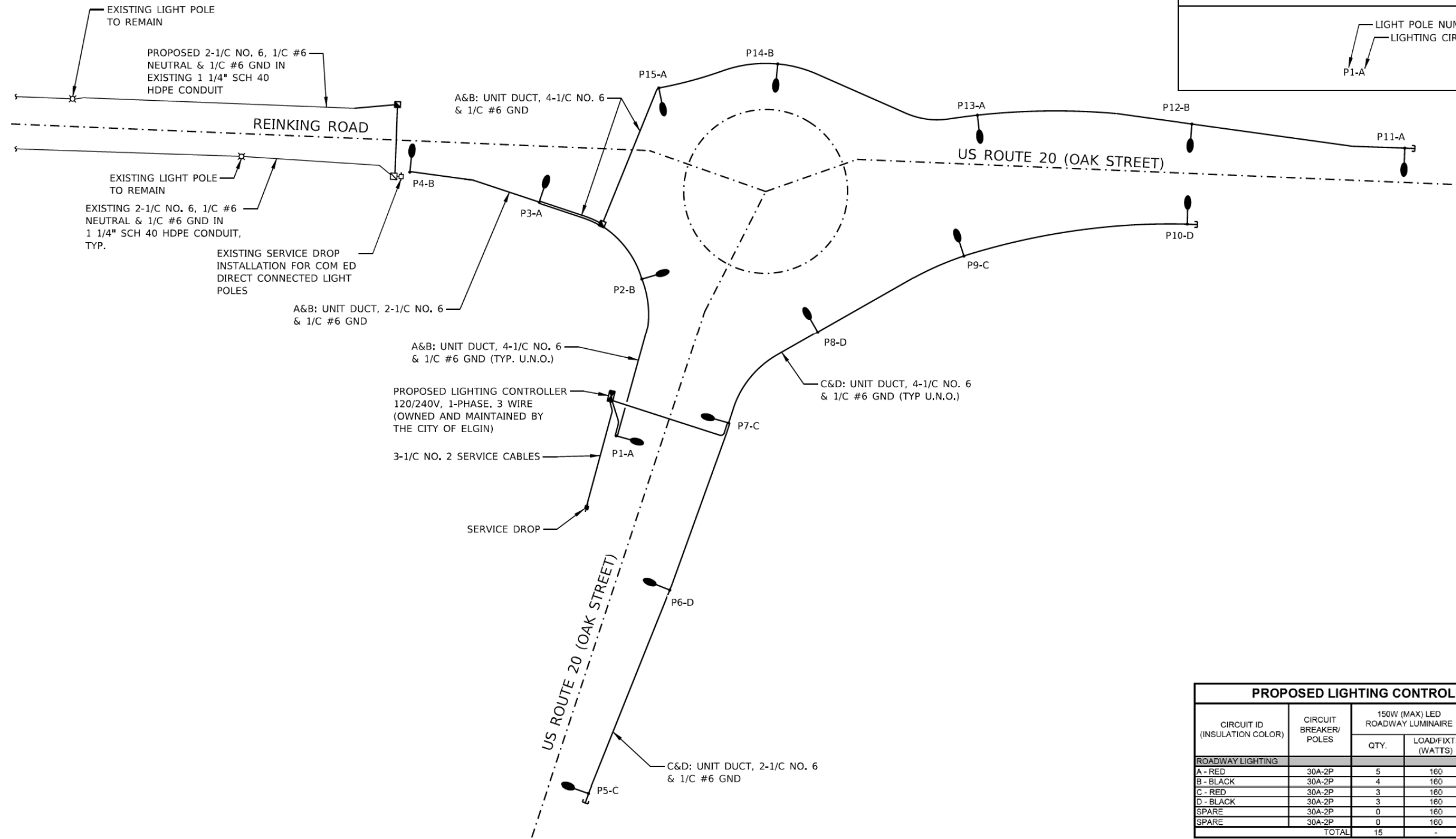
PROPOSED LIGHTING PLAN

SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	19-00187-00-CH	KANE	115	73
CONTRACT NO.				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LIGHTING LEGEND	
	PROPOSED LIGHTING UNIT
	PROPOSED BASE MOUNTED LIGHTING CONTROLLER
	PROPOSED HANDHOLE
	PROPOSED ELECTRICAL CABLE IN CONDUIT
	EXISTING LIGHTING UNIT
	EXISTING ELECTRICAL CABLE IN CONDUIT

CALL-OUT LEGEND	
	LIGHT POLE NUMBER
	LIGHTING CIRCUIT IDENTIFIER



PROPOSED LIGHTING CONTROLLER LOAD TABLE						
CIRCUIT ID (INSULATION COLOR)	CIRCUIT BREAKER/ POLES	150W (MAX) LED ROADWAY LUMINAIRE		TOTAL CIRCUIT LOAD		
		QTY.	LOAD/FIXT. (WATTS)	WATTS	AMPS	VOLTS
ROADWAY LIGHTING						
A - RED	30A-2P	5	160	800	3.3	240
B - BLACK	30A-2P	4	160	640	2.7	240
C - RED	30A-2P	3	160	480	2.0	240
D - BLACK	30A-2P	3	160	480	2.0	240
SPARE	30A-2P	0	160	0	0.0	240
SPARE	30A-2P	0	160	0	0.0	240
TOTAL		15	-	2400W	10.00A	240V

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DESIGNED - KL	REVISED -
DRAWN - KL	REVISED -
CHECKED - JV	REVISED -
DATE - 6/12/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



LIGHTING CONTROLLER WIRING DIAGRAM

SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 345	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 74
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**COMMERCIAL & INDUSTRIAL
LOAD INFORMATION**
FORM TO BE COMPLETED BY QUALIFIED ELECTRICAL PROFESSIONAL



SITE & BUILDING INFORMATION					
Project name: US 20 Roundabout	Project type: Street Lighting	Site address: 40W824 Oak St.			
Requested service: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	Unit type (if applicable): <input type="checkbox"/> Residential <input type="checkbox"/> Commercial	City: Pingree Grove	Zip code: 60140		
Hours of Normal Operation: Start: <input type="checkbox"/> AM <input type="checkbox"/> PM End: <input type="checkbox"/> AM <input type="checkbox"/> PM <input type="checkbox"/> 24-hour	# of units:	Square feet per unit:	Total square feet:		
EQUIPMENT AND VOLTAGE					
Preferred service equipment type: <input type="checkbox"/> Underground <input type="checkbox"/> Overhead <input type="checkbox"/> Vault/High-rise <input type="checkbox"/> Outdoor Lighting					
Service voltage: <input type="checkbox"/> 120/240V 1-phase 3-wire <input type="checkbox"/> 120/240V 3-phase 4-wire <input type="checkbox"/> 120/208V 3-phase 4-wire <input type="checkbox"/> 277/480V 3-phase 4-wire <input type="checkbox"/> 480V 3-phase 3-wire (B-phase grounded, not allowed in Chicago) <input type="checkbox"/> 480V 3-phase 3-wire (ungrounded, req. special equipment & approval) <input type="checkbox"/> 4kV <input type="checkbox"/> 12kV <input type="checkbox"/> 34kV <input type="checkbox"/> Other:					
SWITCH INFORMATION (if more than one, please attach the following information per switch)					
Switch name (point for ComEd connection) Lighting Controller		Total number of points for ComEd connection: 1			
Switch location, if known: NW corner US Route 20 and Reinking Road		Switch size (amps): 100	Size of conductor: #2		
Switch rating (%): 80	Number of secondary sets: 1	Conductor material: <input type="checkbox"/> CU <input type="checkbox"/> AL			
LOAD INFORMATION (all loads should be shown in kW, with a power factor of .85 used for conversion from KVA)					
Category	Description	1-Phase Connected Load	1-Phase Diversified Capacity*	3-Phase Connected Load	3-Phase Diversified Capacity*
Lighting	Roadway Lighting	3			
Appliances					
Receptacle					
Process Heat					
Water Heat					
Motors**					
HVAC/Heating					
HVAC/Cooling					
Ventilation-All Year					
Other					
Total		3	0	0	0

*Diversify connected load per Chicago Electrical Code in the City of Chicago and applicable areas, diversify per National Electrical Code in all other areas.
**Please provide mechanical switchboard schedule.

**COMMERCIAL & INDUSTRIAL
PROJECT INFORMATION**



SITE INFORMATION				
Project name: US Route 20 Roundabout		Site address: 40W824 Oak St.		
Contact name: Katrina Lopez	City: Pingree Grove	Zip code: 60140		
Contact email: klopez@ciorba.com	Contact phone: (847) 878-4782	Total number of service entrance locations:		
Electrical permit #:	Date of groundbreaking:	Total number of switches (Points of Service):		
Date ComEd can begin work:	Preferred service date:	Total number of meters requested:		
BUSINESS INFORMATION				
Legal name of entity (electric consumer): City of Elgin		Tax I.D. #: 38-6005862	Existing ComEd Account #:	
<input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor <input checked="" type="checkbox"/> Other: Municipality				
PRINCIPLE(S) to sign contracts for service, easements, etc.				
Property owner:		Phone:		
Building owner:		Phone:		
Building manager:		Phone:		
MAILING ADDRESS FOR CONTRACTS				
Company: City of Elgin		Email:	Address: 150 Dexter Court	
Phone: (847) 931-8001	Fax:	City: Elgin	State: IL	Zip code: 60120
MAILING ADDRESS FOR ELECTRIC BILLS				
Company:		Email:	Address:	
Phone:	Fax:	City:	State:	Zip code:

Katrina Lopez

From: Katrina Lopez
Sent: Tuesday, September 27, 2022 11:52 AM
To: demeshia.king@comed.com
Subject: 40W824 Oak St. - Pingree Grove - Street Lighting
Attachments: Com Ed ServiceApp.pdf; US 20 Roundabout - Plans-2022-09-21.pdf

Hi Demeshia,

It was nice speaking to you this morning. As discussed, attached is the service request form for the project along with partial plans for your reference. Please review and let me know if you see any issues with the proposed service location.

The 3-phase representative coordinating relocation existing Com Ed poles impacted by the new roundabout is Danielle Petet. His contact information is Danielle.Petet@comed.com and 630-437-2159. Hopefully he can provide us with proposed Com Ed pole locations as part of his design.

Thank you.
Katrina

NOTES:

1. CONTRACTOR SHALL COORDINATE PROPOSED ELECTRIC SERVICE WITH MS. DEMESCHIA KING OF COM ED AT (224) 605-0036.
2. SERVICE REQUEST #05294954.

DATE PLOTTED = 7/20/2023 5:27:16 PM
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DESIGNED - KL	REVISED -
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CHECKED - JV	REVISED -
DATE - 6/12/2023	REVISED -

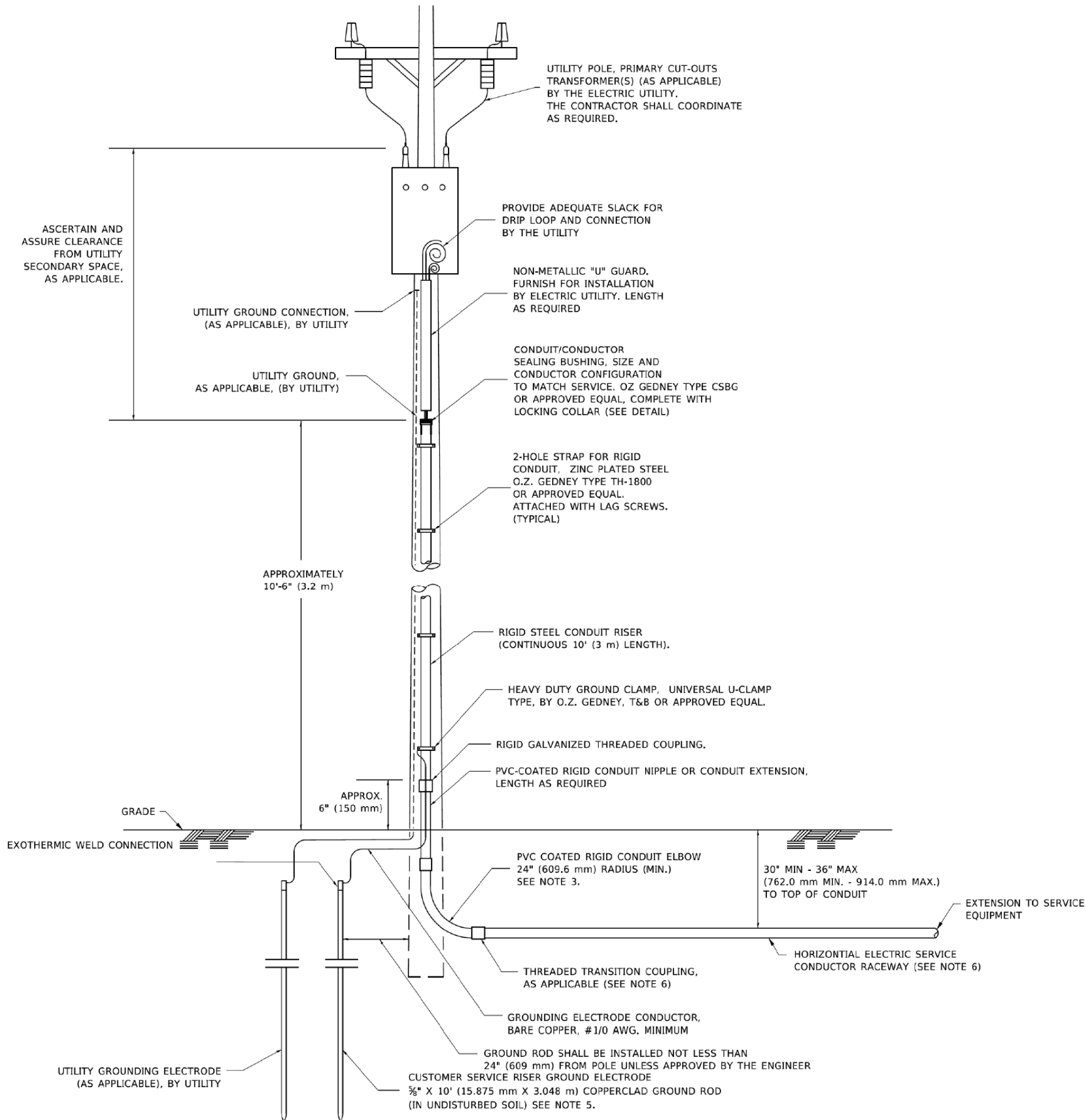
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING DETAILS
COM ED SERVICE COORDINATION INFORMATION**

SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	19-00187-00-CH	KANE	115	76
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

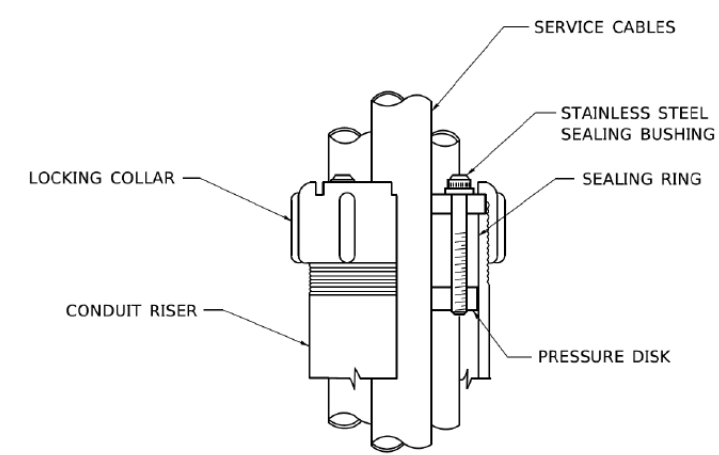


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

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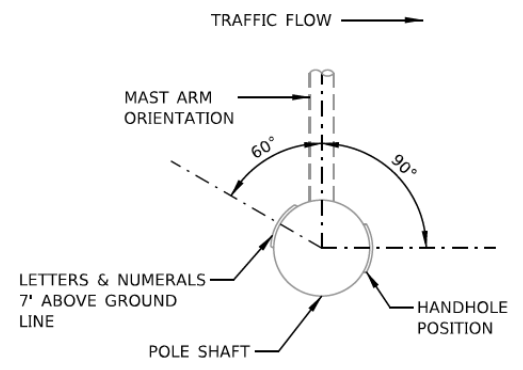
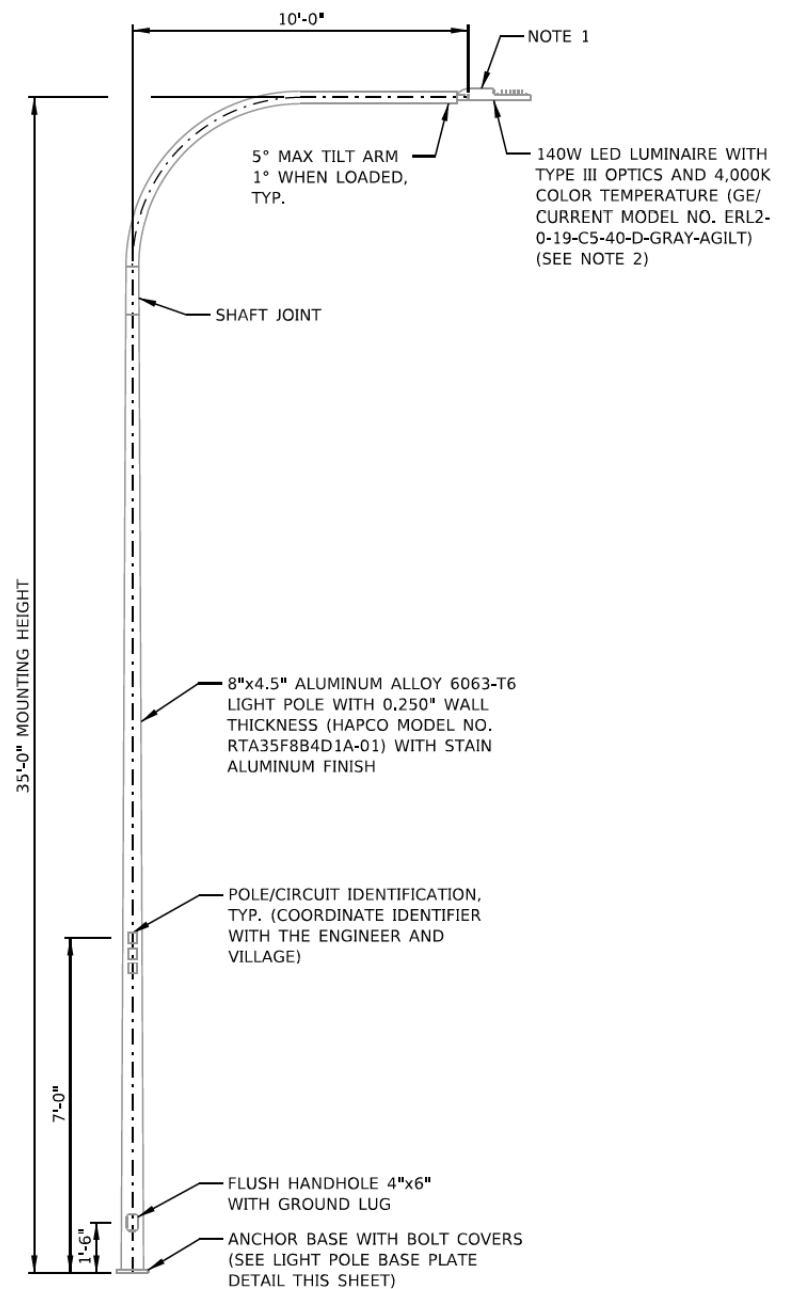
CiorbaGroup
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

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DATE	6/12/2023	REVISED -	

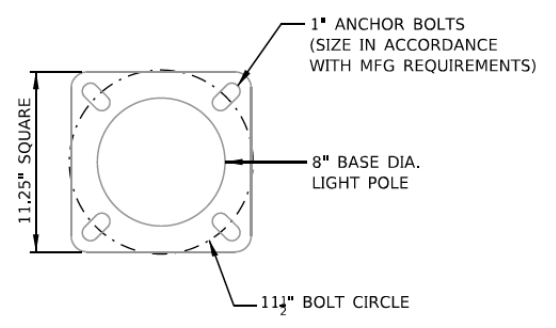
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LIGHTING DETAILS
 ELECTRIC SERVICE INSTALLATION**

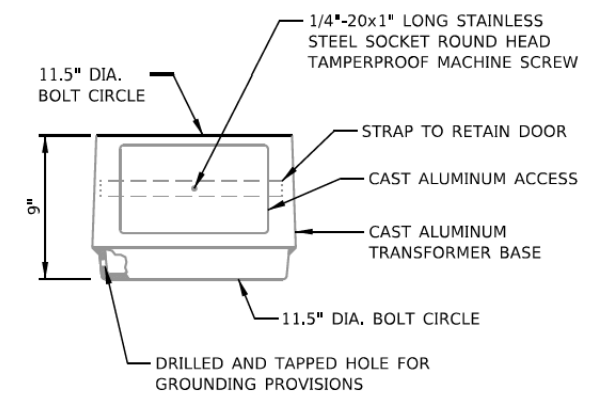
IDOT STANDARD BE-220				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	19-00187-00-CH	KANE	115	77
CONTRACT NO.				
SHEET OF SHEETS		STA.	TO STA.	
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES
N.T.S.



LIGHT POLE BASE PLATE DETAIL
N.T.S.



NOTES:

1. TRANSFORMER BASE SHALL MEET FEDERAL HIGHWAY ADMINISTRATION (FHWA) AND AASHTO REQUIREMENTS FOR A BREAKAWAY DEVICE.
2. TRANSFORMER BASE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. CONTRACTOR SHALL COORDINATE PROPOSED APPLICATION, LOAD REQUIREMENTS AND INSTALLATION METHODS WITH MANUFACTURER. FAILURES CAN RESULT FROM MISAPPLICATION OR IMPROPER INSTALLATION METHODS.
4. TO APPROACH OPTIMUM STATIC LOADS, CONTRACTOR SHALL USE THE LARGEST POSSIBLE BOLT CIRCLES AND CONNECTION HARDWARE SUPPLIED BY THE MANUFACTURER.
5. CONTRACTOR SHALL FURNISH ANCHOR BOLTS. ANCHOR BOLTS ARE NOT INCLUDED WITH THE TRANSFORMER BASE.

BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE
N.T.S.

NOTES:

1. LUMINAIRE SHALL BE PROVIDED WITH A 7-PIN TWISTLOCK RECEPTACLE AND SHORTING CAP.
2. LUMINAIRES SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G,"
3. LIGHT POLES SHALL BE PROVIDED WITH BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE. BREAKAWAY DEVICE SHALL BE PAID FOR SEPARATELY.
4. LIGHT POLE SHALL BE DESIGNED TO AASHTO CRITERIA.
5. LIGHT POLES SHALL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
6. LIGHT POLES SHALL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL NOT BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.

LIGHT POLE, ALUMINUM, 35 FT. M.H., 10FT. DAVIT ARM
N.T.S.

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CHECKED -	JV	REVISED -	
DATE	6/12/2023	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING DETAILS
LUMINAIRE, LIGHT POLE, AND BREAKAWAY DEVICE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	19-00187-00-CH	KANE	115	79
CONTRACT NO.				

SHEET OF SHEETS STA. TO STA.

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

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from Q-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

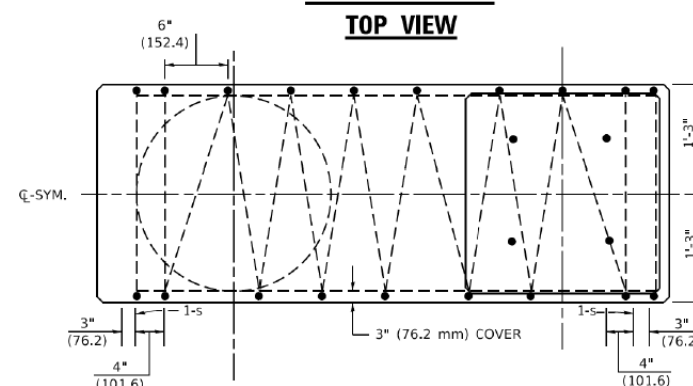
BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s1	3	3	7'-6" (2.286 m)	□
v1	8	6	2'-9" (0.838 m)	—
v2				

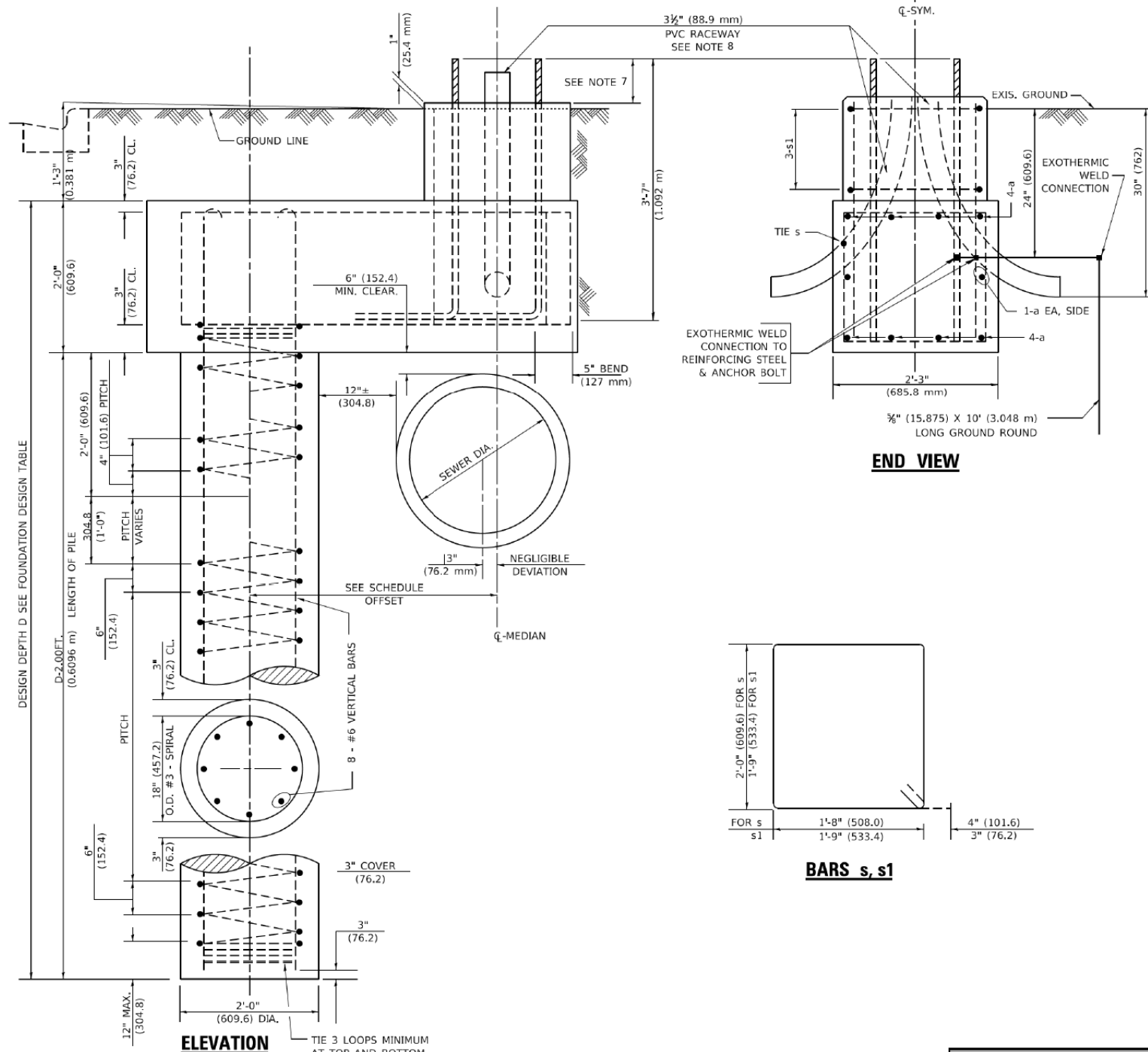
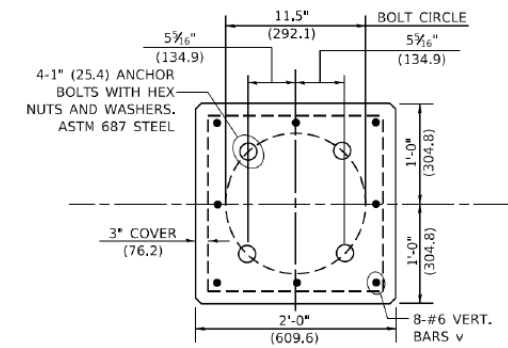
NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.

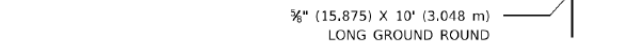
PLAN-CAP BEAM TOP VIEW



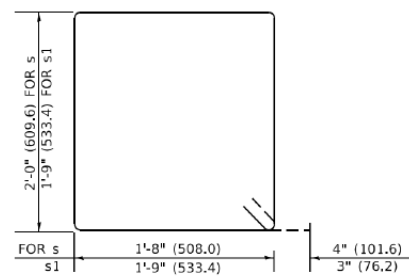
TOP VIEW



END VIEW



BARS s, s1



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DATE	6/12/2023	REVISED -	

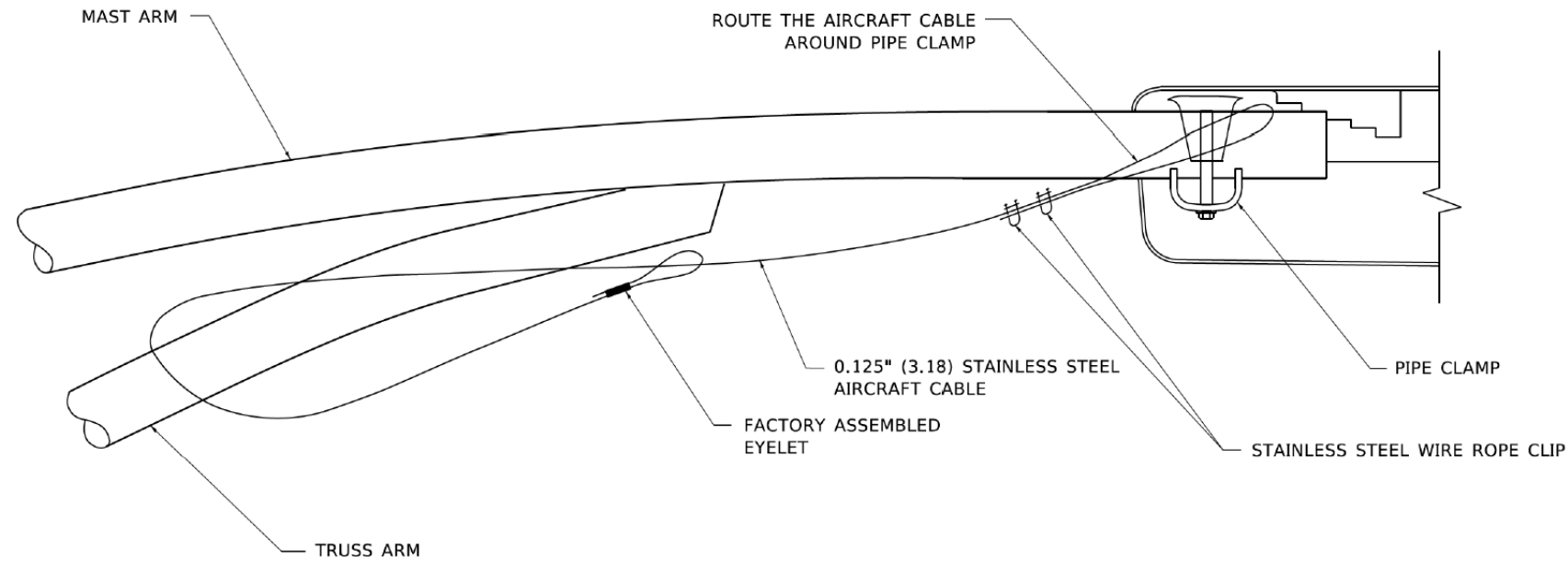
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
 LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET

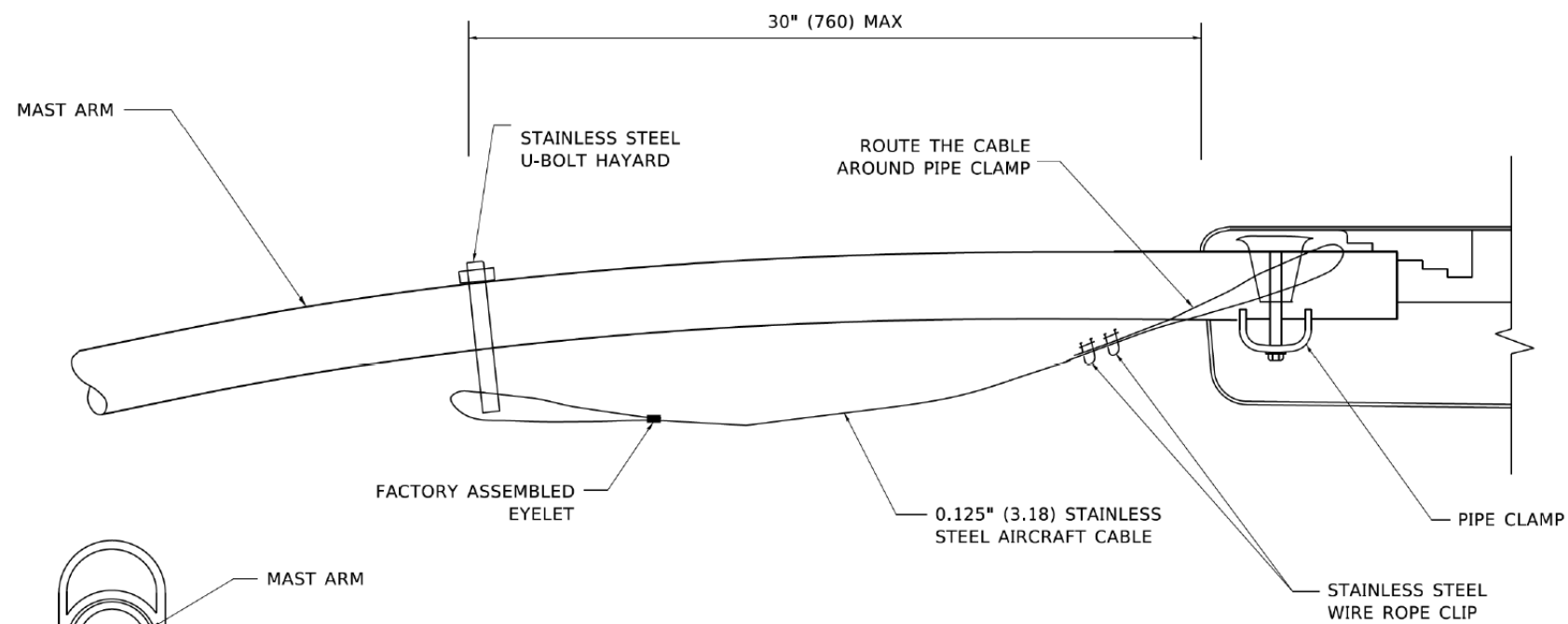
SHEET OF SHEETS STA. TO STA.

IDOT STANDARD BE-310

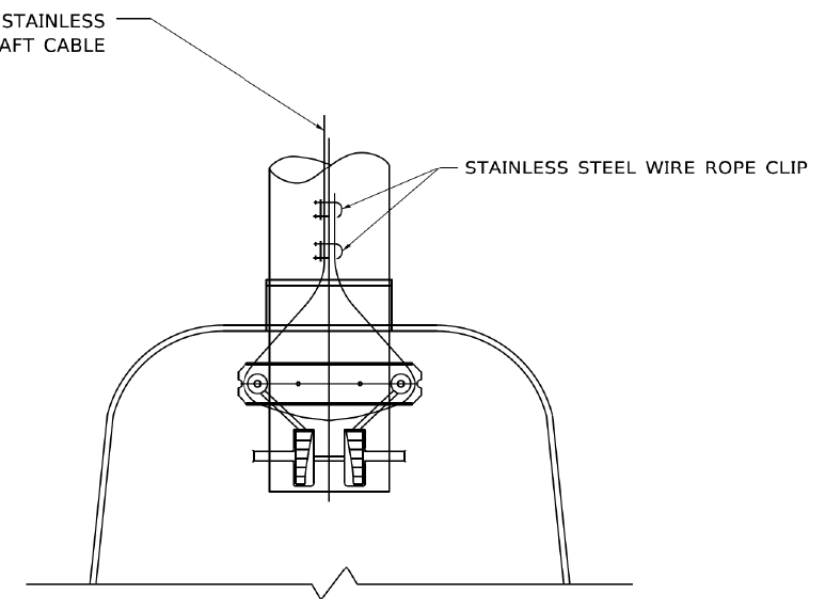
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	19-00187-00-CH	KANE	115	80
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SIDE VIEW (TRUSS ARM)
N.T.S.



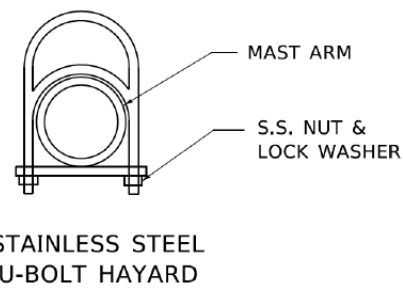
SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



BOTTOM VIEW
N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.



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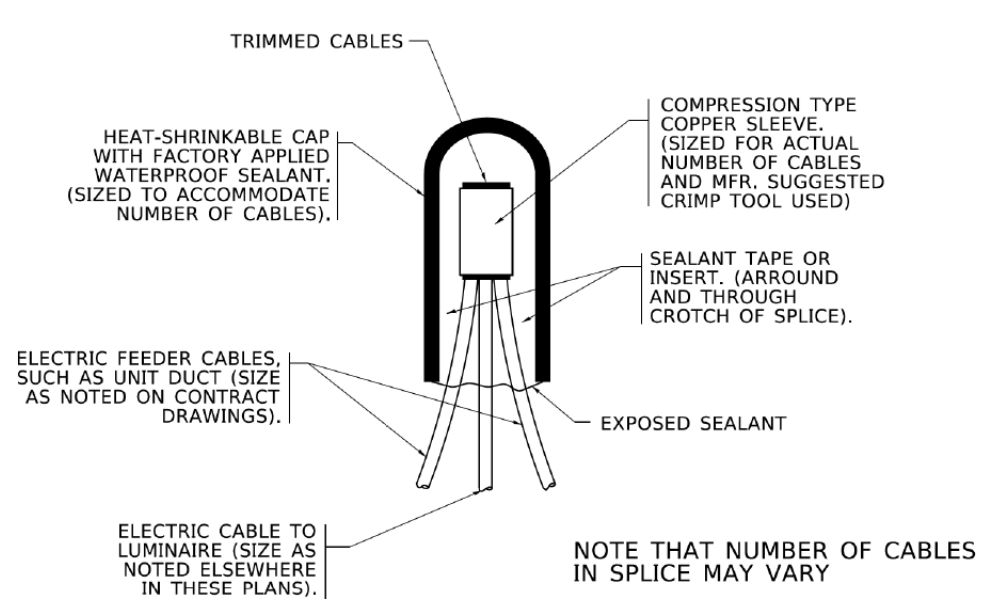
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
LUMINAIRE SAFETY CABLE ASSEMBLY

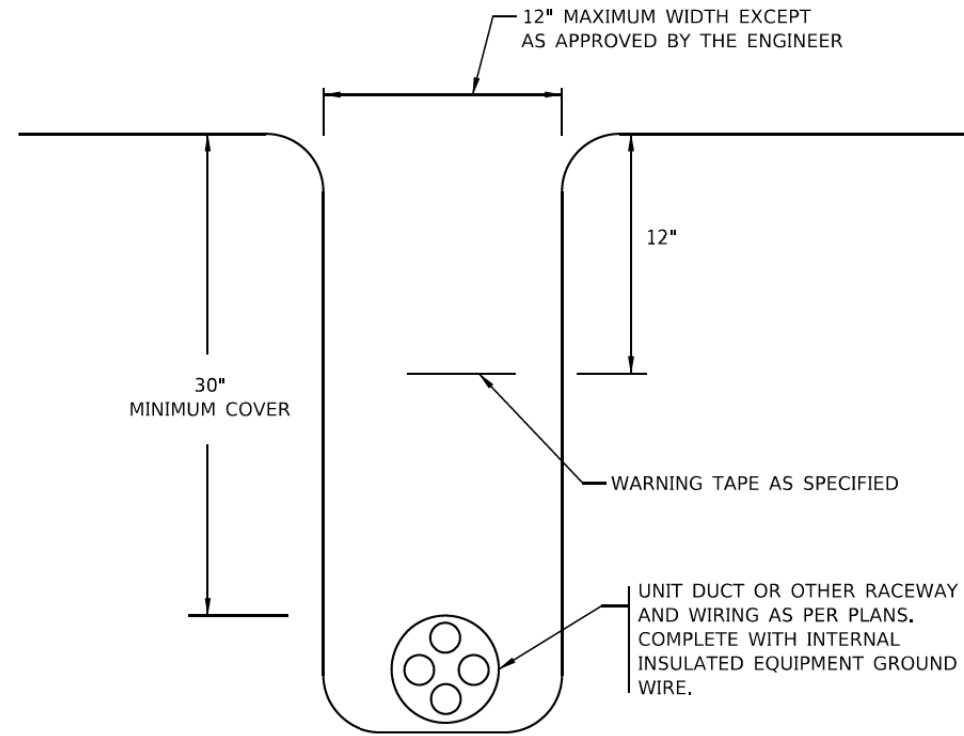
SHEET OF SHEETS STA. TO STA.

IDOT STANDARD BE-701

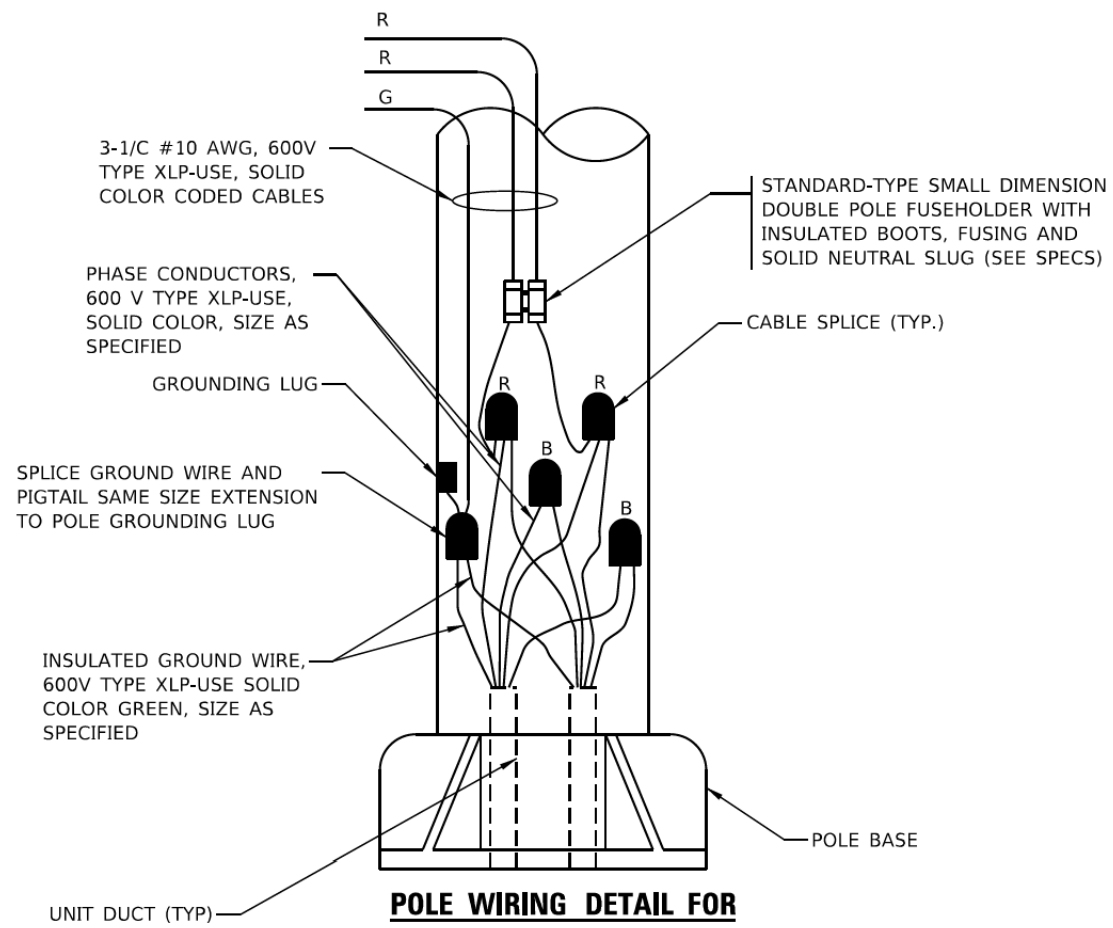
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CONTRACT NO.				
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



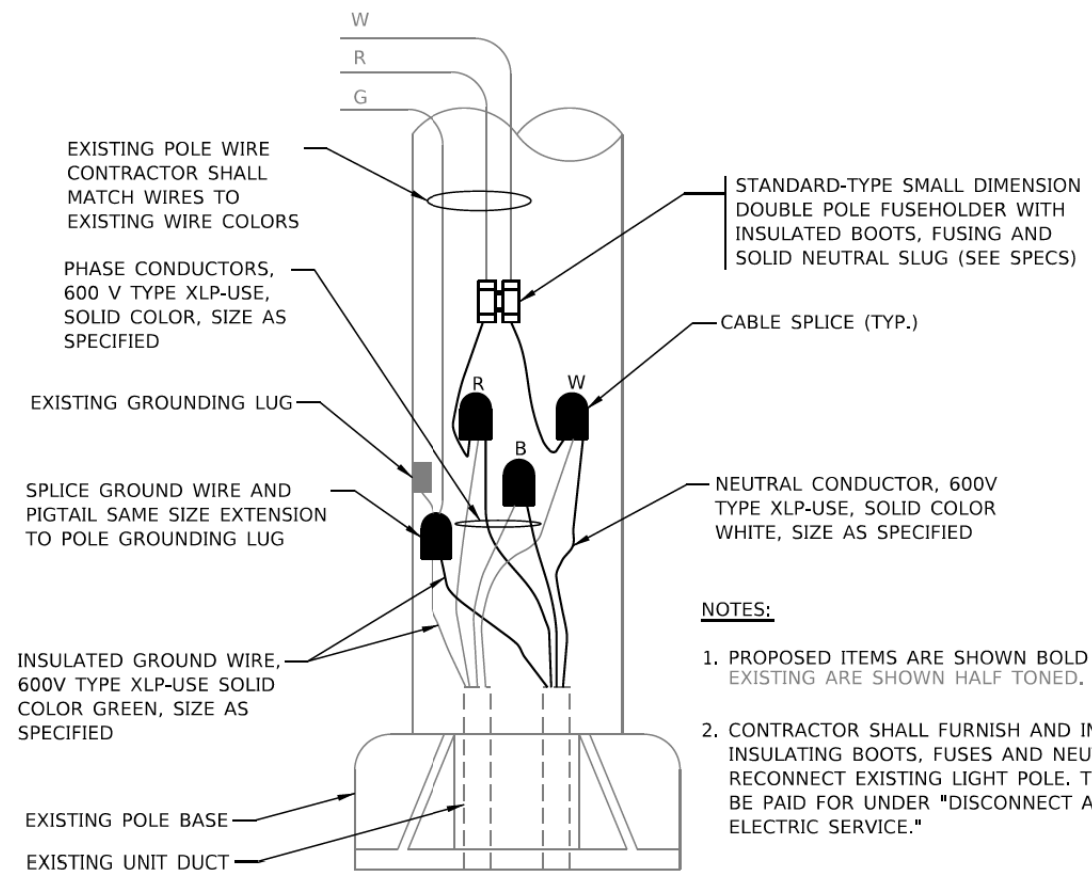
TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL FOR PROPOSED LIGHT POLES
N.T.S.



POLE WIRING DETAIL FOR EXISTING DECORATIVE LIGHT POLES TO REMAIN
N.T.S.

NOTES:

1. PROPOSED ITEMS ARE SHOWN BOLD AND EXISTING ARE SHOWN HALF TONED.
2. CONTRACTOR SHALL FURNISH AND INSTALL FUSEHOLDER, INSULATING BOOTS, FUSES AND NEUTRAL SLUG TO RECONNECT EXISTING LIGHT POLE. THIS WORK SHALL BE PAID FOR UNDER "DISCONNECT AND RECONNECT ELECTRIC SERVICE."

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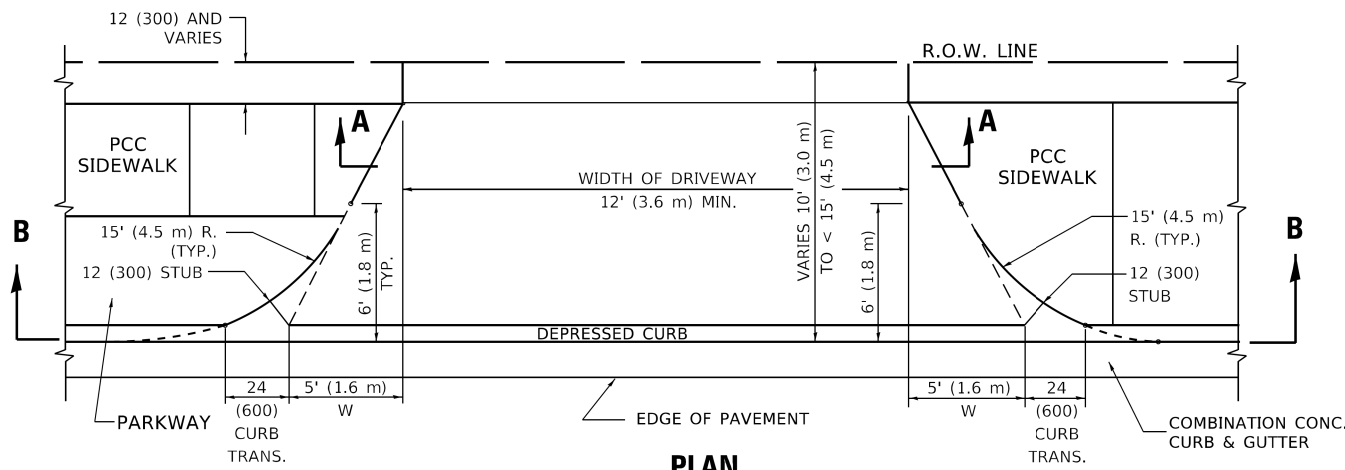
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
MISCELLANEOUS ELECTRICAL DETAILS

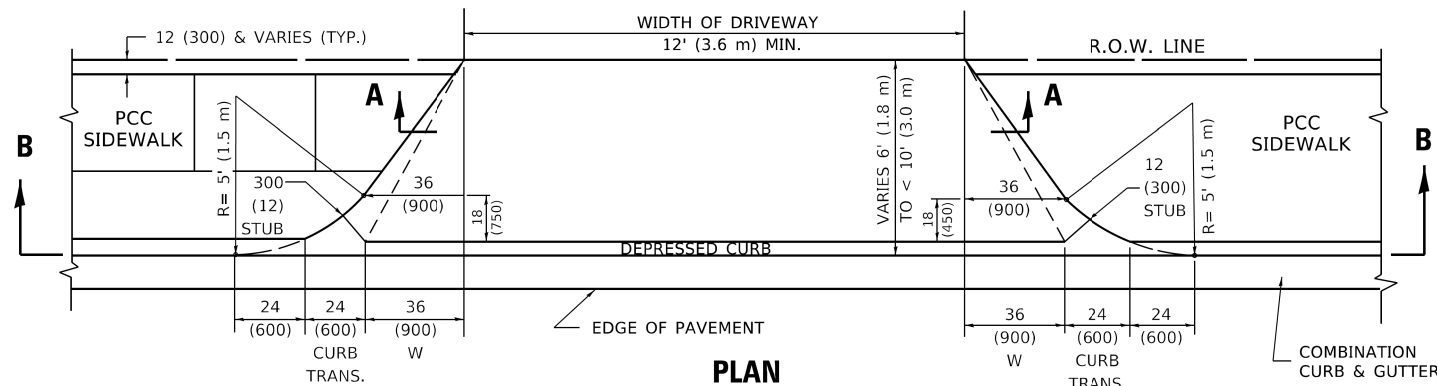
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IDOT STANDARD BE-702
MODIFIED FOR THIS PROJECT

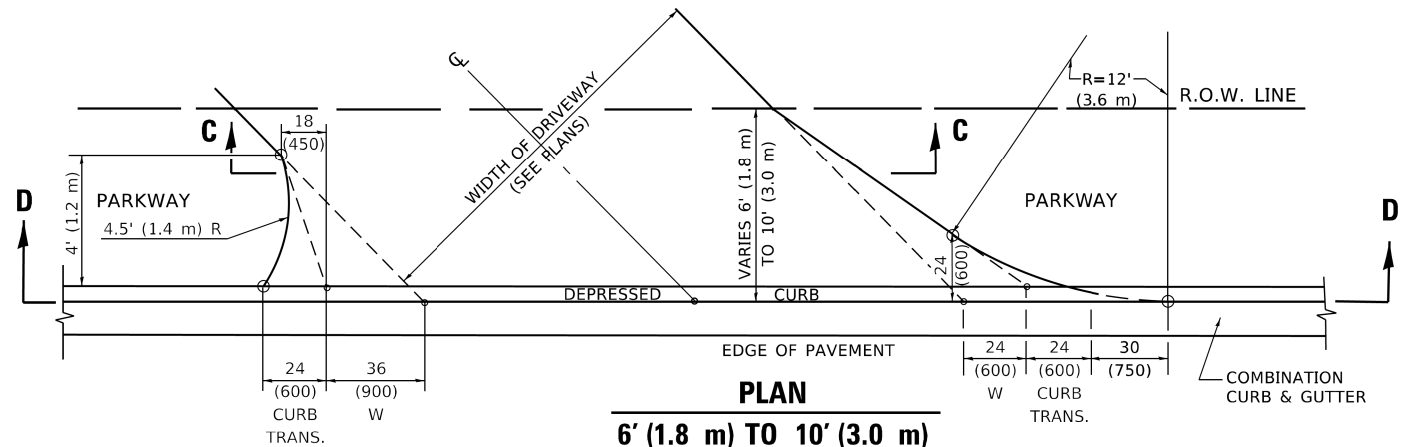
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CONTRACT NO.				
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



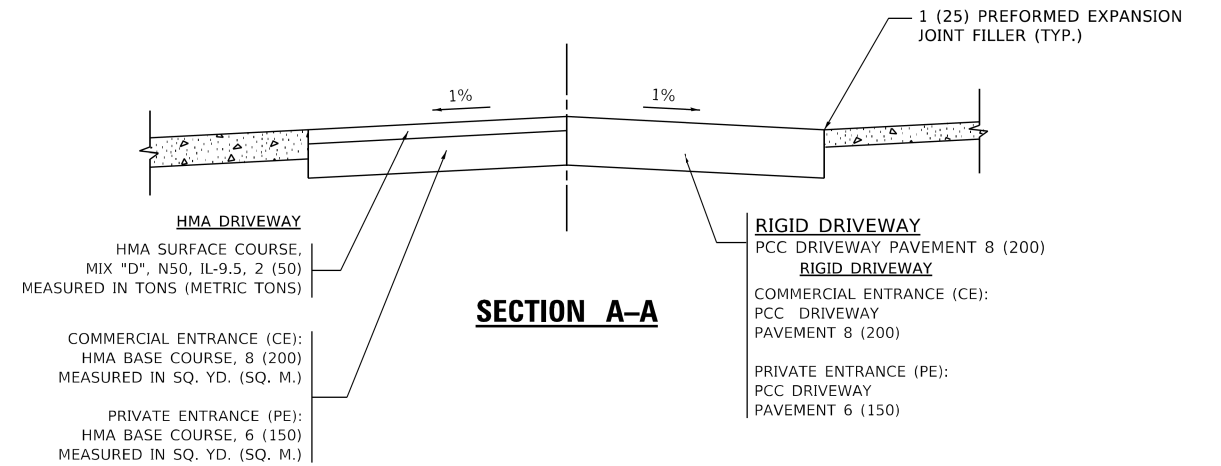
PLAN
10' (3.0 m) TO < 15' (4.5 m)



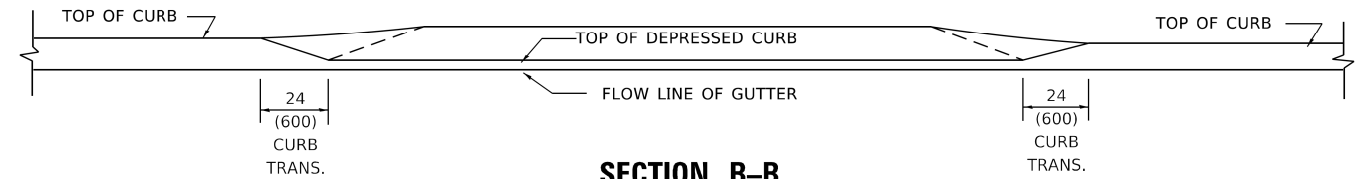
PLAN
6' (1.8 m) TO < 10' (3.0 m)



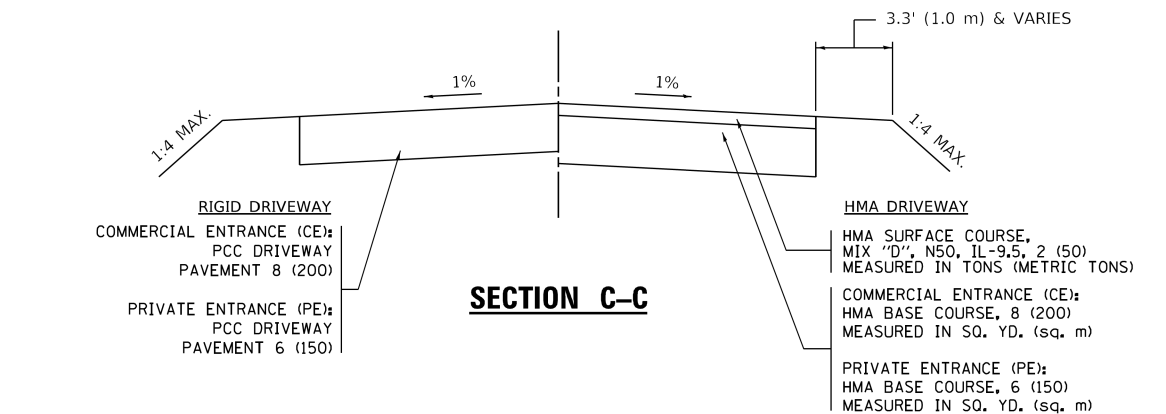
PLAN
6' (1.8 m) TO 10' (3.0 m)



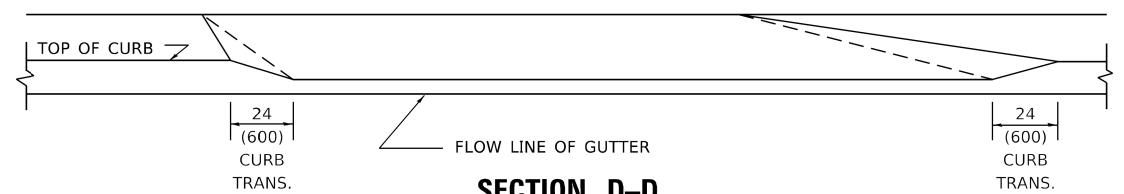
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
- WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
- "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)**

F.A.P./R.F.E.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345A/734n	19-00187-00-CH	KANE	115	83
BD400-02 (BD-02)		CONTRACT NO. 61J28		

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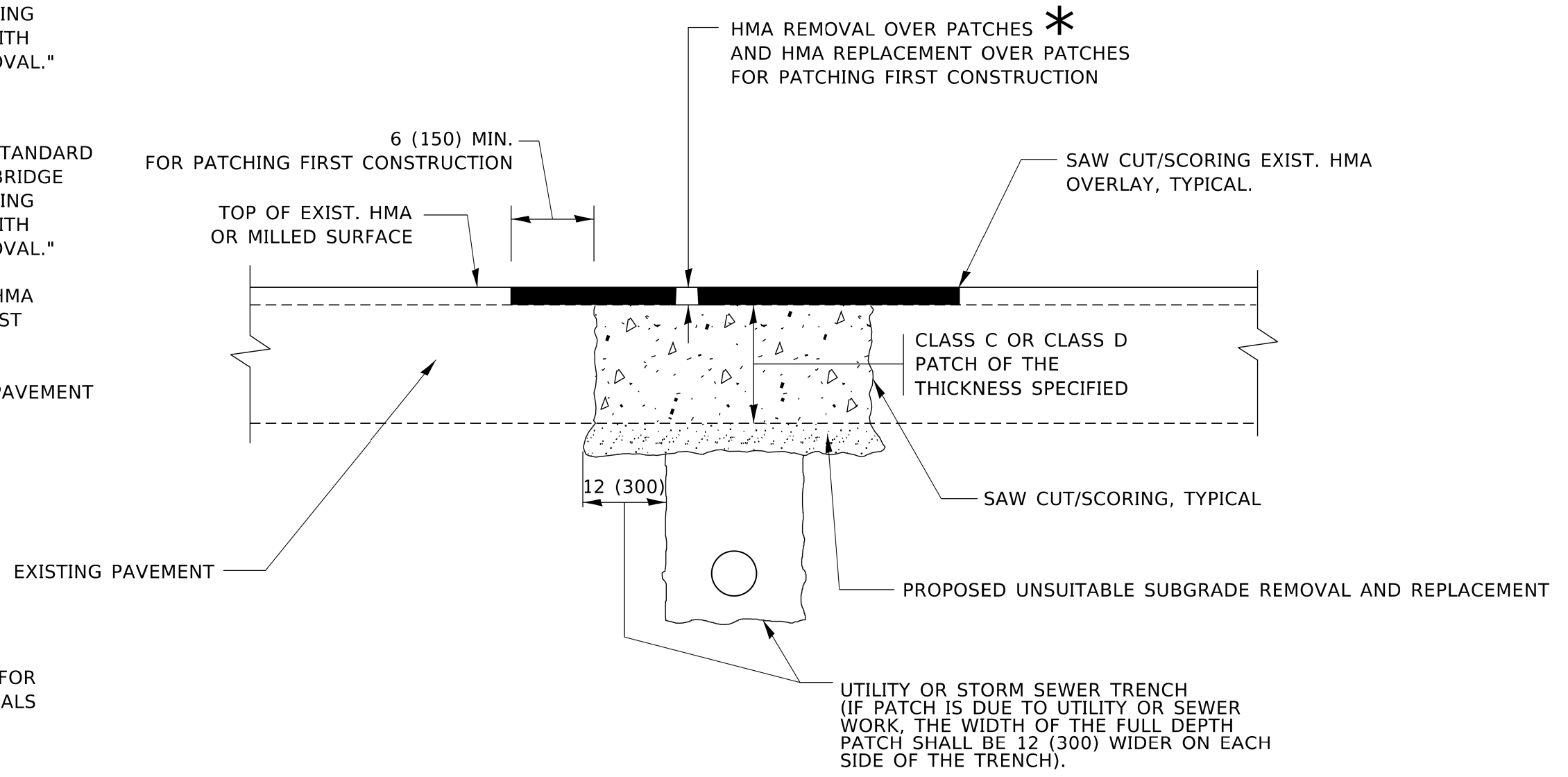
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	DRAWN -	REVISED - R. BORO 09-06-11
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PLOT DATE = 11/18/2022	DATE - 11-06-95	REVISED - K. SMITH 11-18-22

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL - Default
FILE - \\pwwildcat-pw.bentley.com\PROJECTS\DOT_Offices\District_1\Projects\19-00187-00-CH\19-00187-00-CH-01\19-00187-00-CH-01.dgn

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT		F.A.P./R.F.E.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - R. BORO 09-04-07				345A/234n	19-00187-00-CH	KANE	115	84
PLOT DATE = 11/18/2022	CHECKED -	REVISED - K. ENG 10-27-08		SCALE: NONE		SHEET 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 61J28	
	DATE - 10-25-94	REVISED - K. SMITH 11-18-22							ILLINOIS FED. AID PROJECT	

FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 8" (200)	3'-6" (1.1 m)	4'-0" (1.2 m)	5'-0" (1.5 m)
> 8" (200) TO 14" (360)	4'-0" (1.2 m)	4'-6" (1.4 m)	5'-0" (1.5 m)

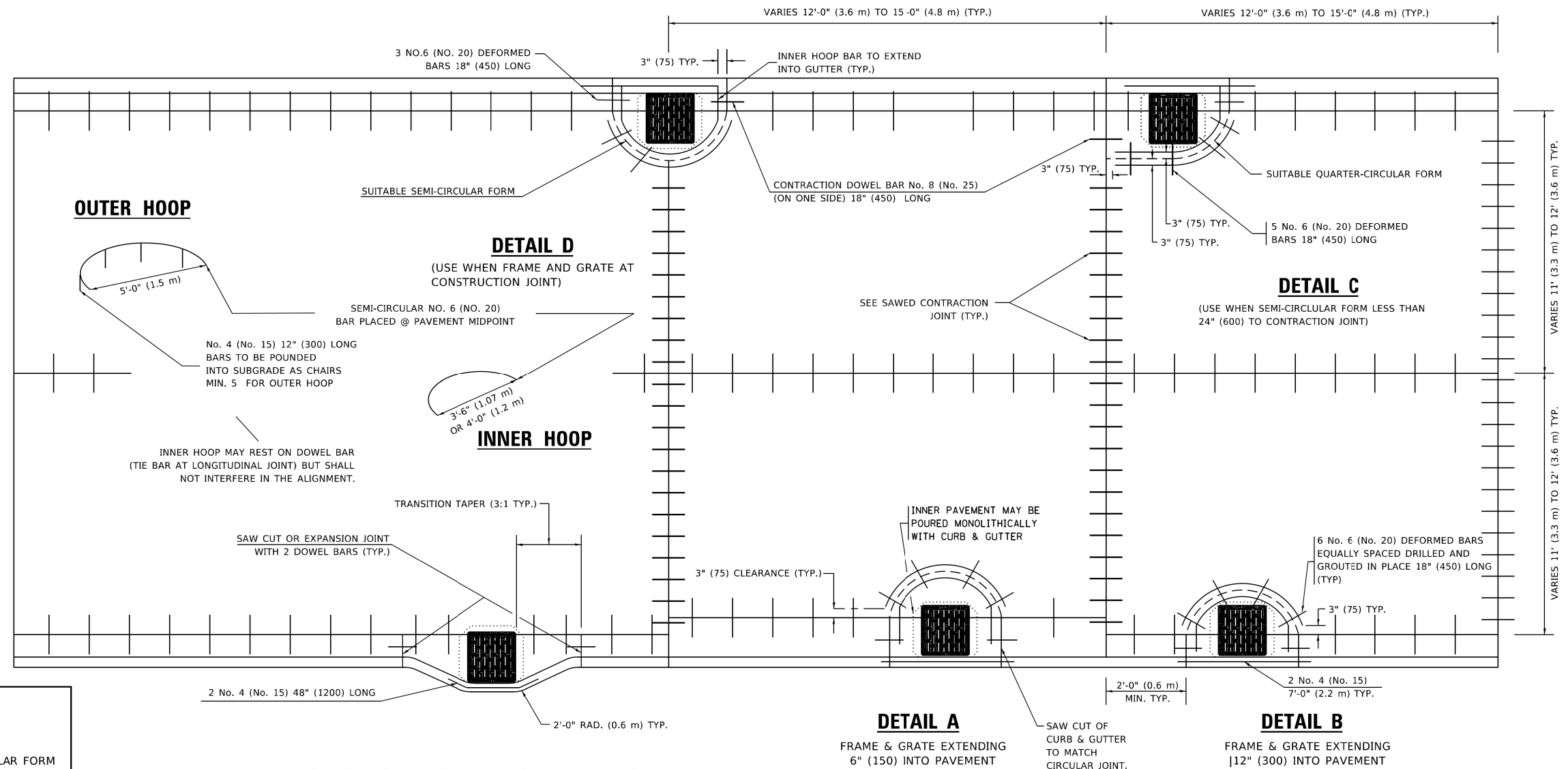
GENERAL NOTES

1. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT, EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
2. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.
3. ALL REINFORCED BARS SHALL BE EPOXY COATED.
4. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
5. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
6. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
7. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
8. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.

BASIS OF PAYMENT

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.

DESIGNER NOTE
THIS DETAIL IS TO BE USED WHEN THE GUTTER FLAG IS LESS THAN 24"



**TRANSITION CURB & AND GUTTER INTO PARKWAY
(PREFERRED BECAUSE PAVING OF MAINLINE NOT AFFECTED.)**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

MODEL: Default
FILE: \\pwwildcat-pw-bentley.com\PI\PIDOT\Documents\DOT_Offices\District_1\Projects\19-00187-00-CH\19-00187-00-CH.dgn

USER NAME = Lawrence.DeManche	DESIGNED - A. ABBAS	REVISED - T. MATOUSEK 10-02-00
	DRAWN - TOM MATOUSEK	REVISED - T. MATOUSEK 04-25-02
PLOT SCALE = 100.0000' / in.	CHECKED - A. ABBAS	REVISED - P. LAFLEUR 08-27-02
PLOT DATE = 11/18/2022	DATE - 01-04-99	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PCC PAVEMENT ROUNDOUTS AT
CURB AND GUTTER**

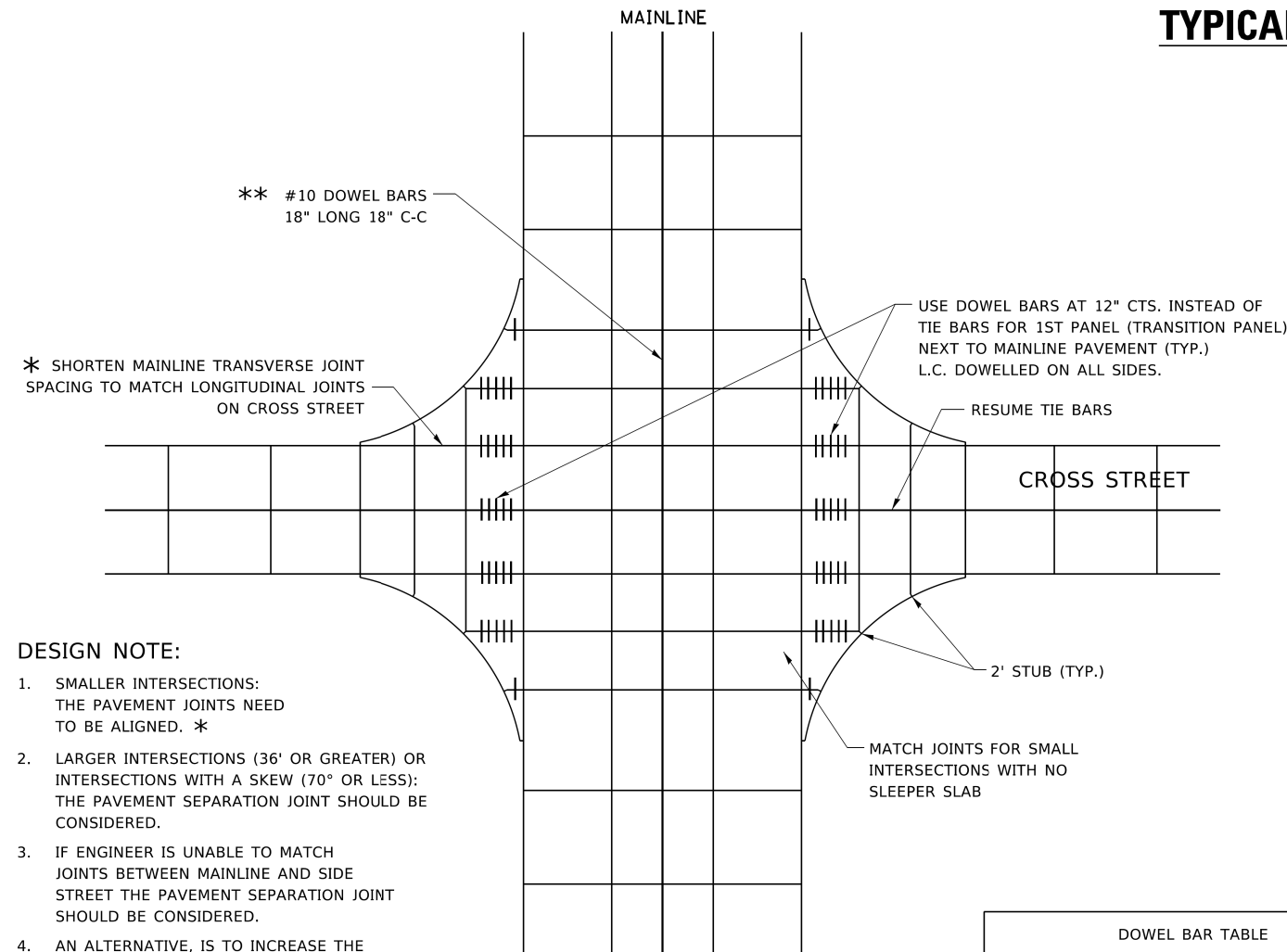
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F.A.P./R.F.E.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345A/734n	19-00187-00-CH	KANE	115	85
BD-48		CONTRACT NO. 61J28		

ILLINOIS FED. AID PROJECT

TYPICAL APPLICATION

THE USE OF CROSS STREET PAVEMENT SEPARATION JOINTS FOR SKEWED OR LARGE INTERSECTIONS WHERE JOINTS MAY NOT MATCH

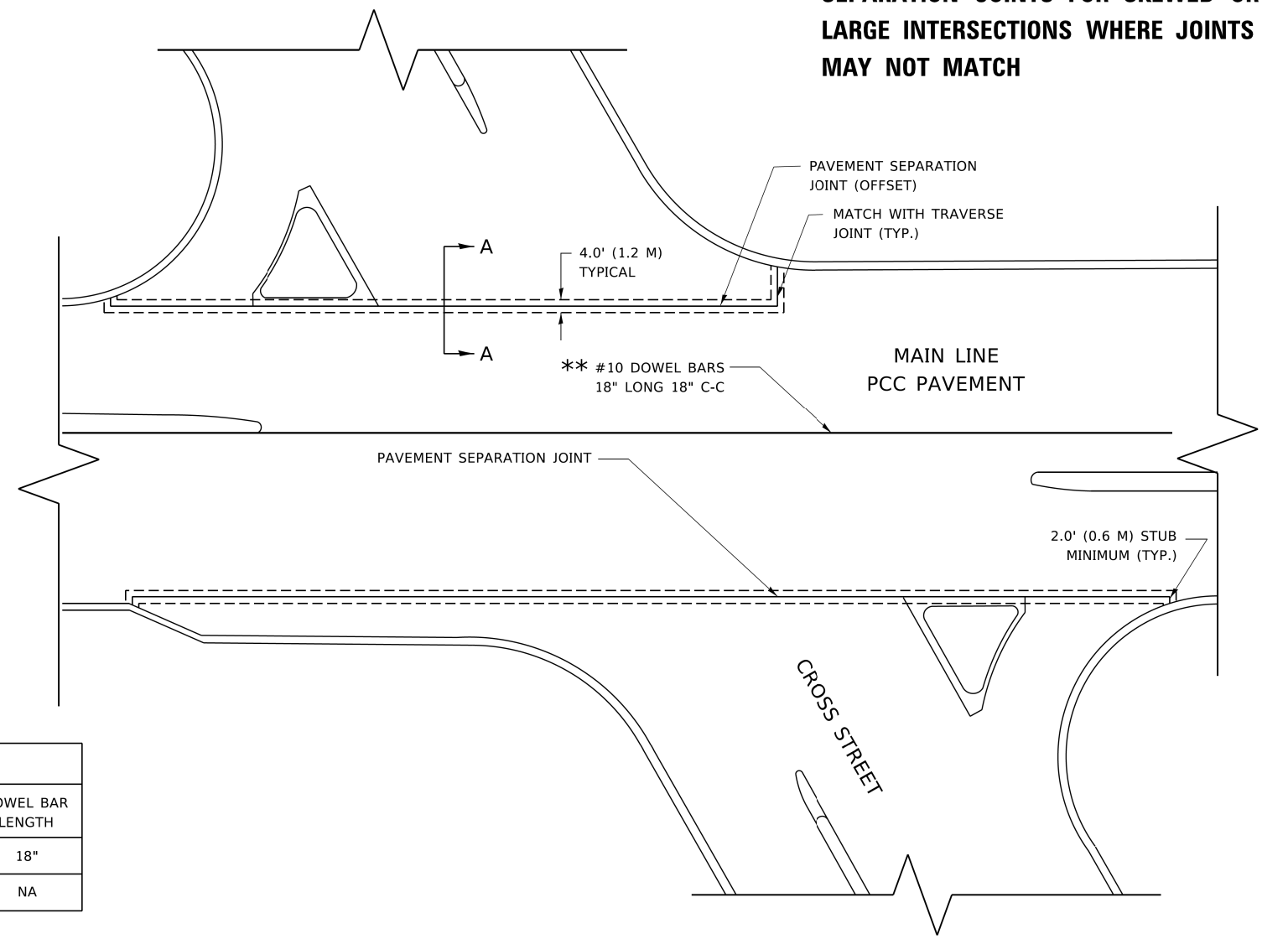


DESIGN NOTE:

1. SMALLER INTERSECTIONS: THE PAVEMENT JOINTS NEED TO BE ALIGNED. *
2. LARGER INTERSECTIONS (36' OR GREATER) OR INTERSECTIONS WITH A SKEW (70° OR LESS): THE PAVEMENT SEPARATION JOINT SHOULD BE CONSIDERED.
3. IF ENGINEER IS UNABLE TO MATCH JOINTS BETWEEN MAINLINE AND SIDE STREET THE PAVEMENT SEPARATION JOINT SHOULD BE CONSIDERED.
4. AN ALTERNATIVE, IS TO INCREASE THE PAVEMENT THICKNESS BY 1/2" FOR THE LENGTH OF THE AFFECTED PANELS AT THE INTERSECTION.
5. FOR LARGE INTERSECTIONS, (6 LANES OR MORE) WHERE JOINTS CAN BE MATCHED, USE #8 (25) DOWEL BARS INSTEAD OF #8 (25) TIE BARS AT EDGE OF MAINLINE PAVEMENT WHEN NO PAVEMENT SEPARATION JOINTS USED.

PLAN

DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	DOWEL BAR LENGTH
8" OR GREATER	1 1/2"	18"
LESS THAN 8"	NA	NA



NOTE:

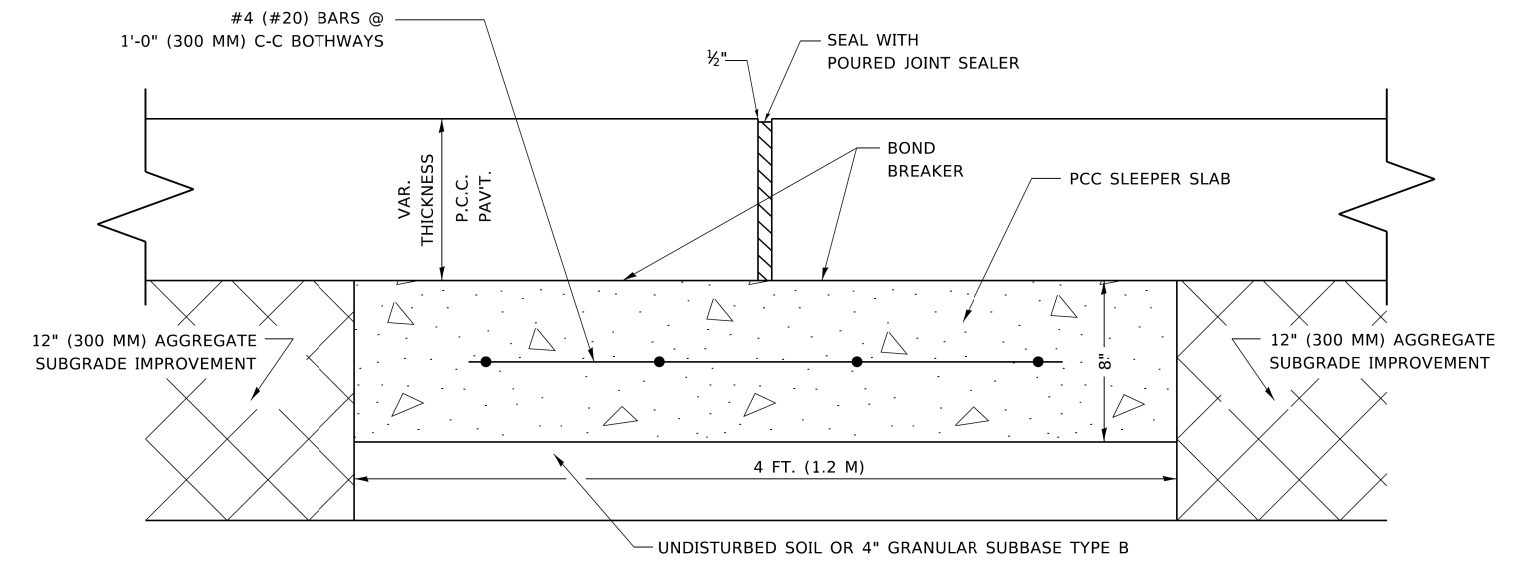
1. JOINT FILLER SHALL CONSIST OF A SHEET OF 1/2" BITUMINOUS PREFORMED FIBER JOINT FILLER CONFORMING TO ARTICLE 1051.03 OF THE STANDARD SPECIFICATIONS.
2. THE JOINT SHALL BE SEALED WITH A HOT POUR JOINT SEALER CONFORMING TO ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.
3. A SINGLE LAYER OF FELT ROOFING PAPER SHALL SERVE AS A BOND BREAKER.
4. JOINT SHALL CONTINUE THROUGH COMBINATION CURB & GUTTER OR PCC SHOULDER.

METHOD OF MEASUREMENT

THIS WORK WILL BE MEASURED FOR PAYMENT IN FEET, MEASURED IN PLACE.

BASIS OF PAYMENT

1. THIS WORK WILL BE PAID FOR AT THE UNIT PRICE PER FOOT FOR "SLEEPER SLAB".
2. BOND BREAKER AND 1/2" (13MM) JOINT FILLER SHALL BE INCLUDED IN THE PAY ITEM "SLEEPER SLAB"



PROPOSED SECTION A-A

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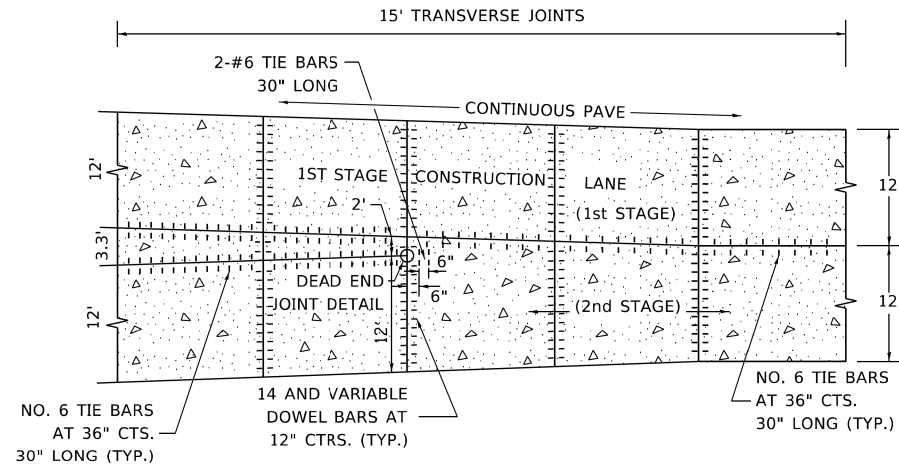
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	DRAWN -	REVISED - O. PATEL 3-27-19
PLOT SCALE = 50.0000' / 1"	CHECKED - AM	REVISED -
PLOT DATE = 3/27/2019	DATE - 05-14-2002	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

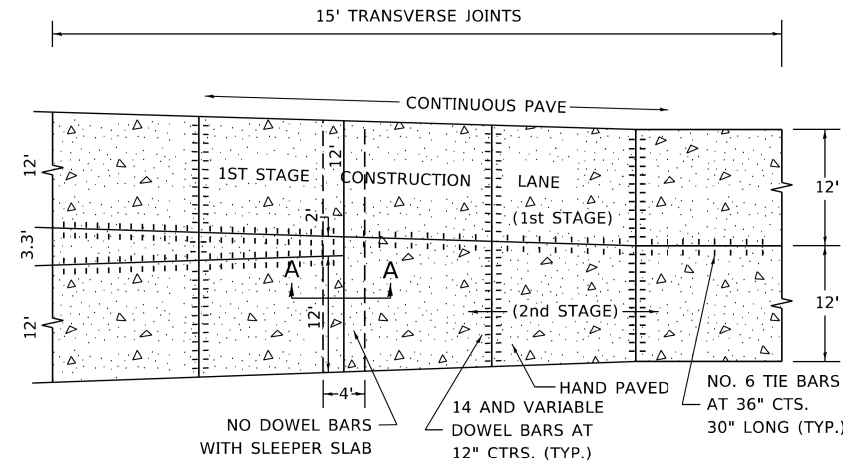
DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.P./R.F.E.L. 345A/734n	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 86
BD52		CONTRACT NO. 61J28		
ILLINOIS FED. AID PROJECT				

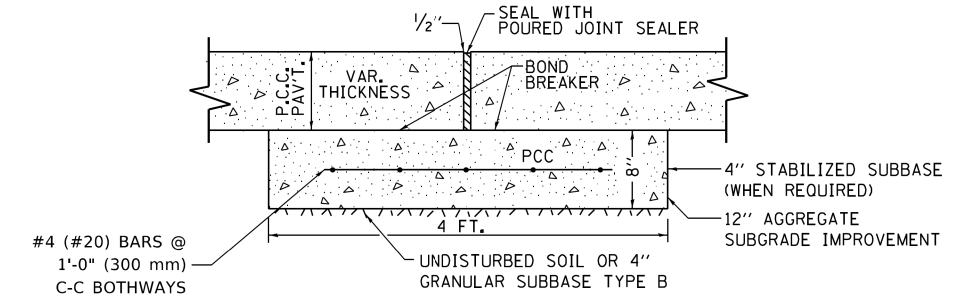
LANE REDUCTION WITH A CONTINUOUS PAVEMENT FOR 1ST STAGE WITH DEAD END JOINT OR SLEEPER SLAB



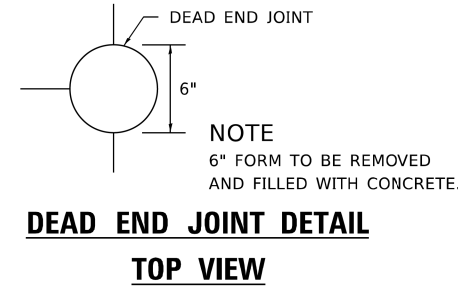
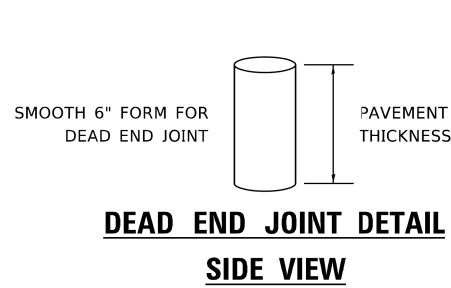
PLAN



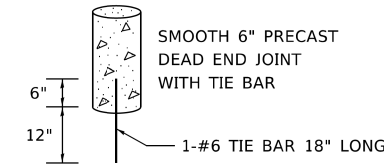
PLAN



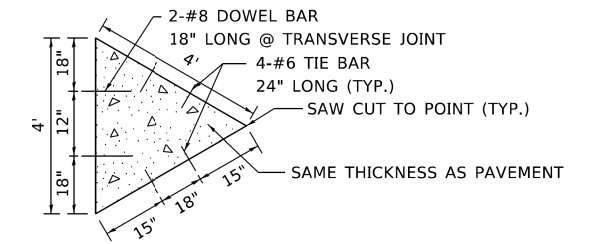
PROPOSED SECTION A-A OF SLEEPER SLAB



NOTE
6" FORM TO BE REMOVED
AND FILLED WITH CONCRETE.

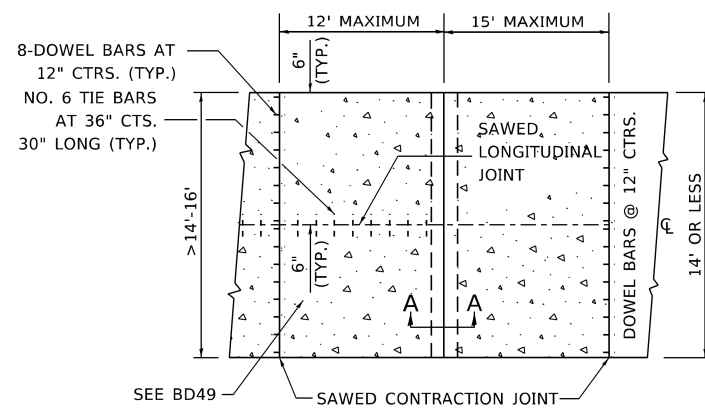


DEAD END JOINT PRECAST DETAIL

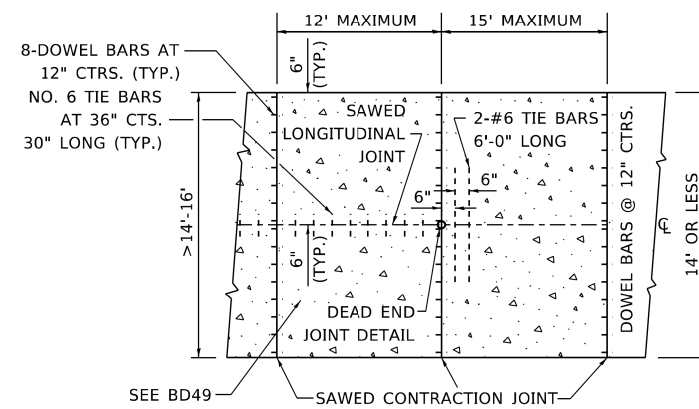


SAW-CUT MERGE DETAIL

TRANSITION DETAILS FOR CENTERLINE SAW CUT FOR DEAD END JOINT OR SLEEPER SLAB FOR VARIABLE JOINTED PCC PAVEMENT FOR LANES OVER 14'

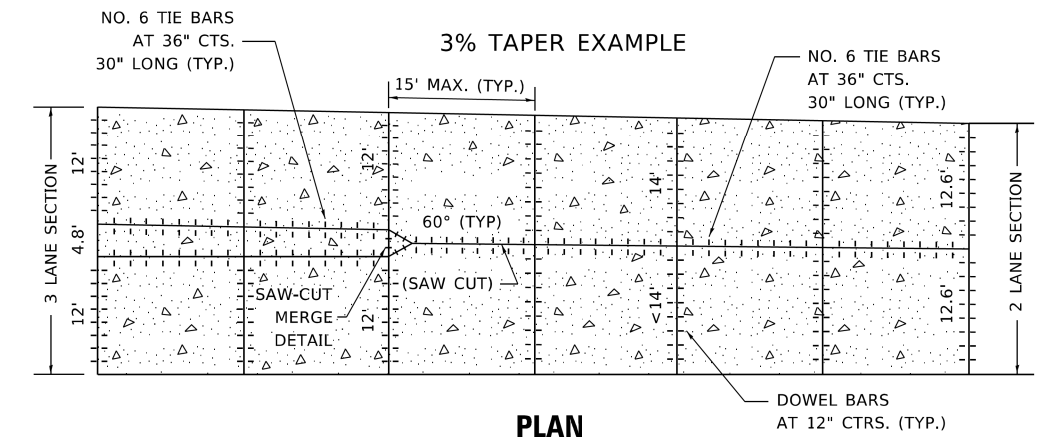


PLAN USING SLEEPER SLAB



PLAN USING DEAD END JOINT

INTERIOR LANE REDUCTION FOR THREE LANE SECTION IN PCC PAVEMENT



PLAN

NOTES:

1. SAW-CUT MERGE DETAIL: THE 4' TRIANGLE SECTION COULD BE PRECAST OR CAST IN PLACE AND PROPERLY PLACED WITH TIE BARS AND PROPERLY ALIGNED DOWEL BARS.
2. TRANSVERSE JOINT SPACING MAY DECREASE DEPENDING ON PAVEMENT THICKNESS BELOW 9.5". USE FORMULA JOINT SPACING IN (FT) = 2 X PAVEMENT THICKNESS IN (IN)-4.
3. USE SAW-CUT MERGE DETAIL IN SITUATIONS WHERE THERE IS NO STAGING.
4. PRECAST DEAD END JOINT SET IN PLACE WITH DRILLED HOLE INTO SUBBASE/SUBGRADE FOR #6 TIE BAR.
5. DEAD END JOINTS WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PCC PAVEMENT.
6. SLEEPER SLAB WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR SLEEPER SLAB.

MODEL: Default
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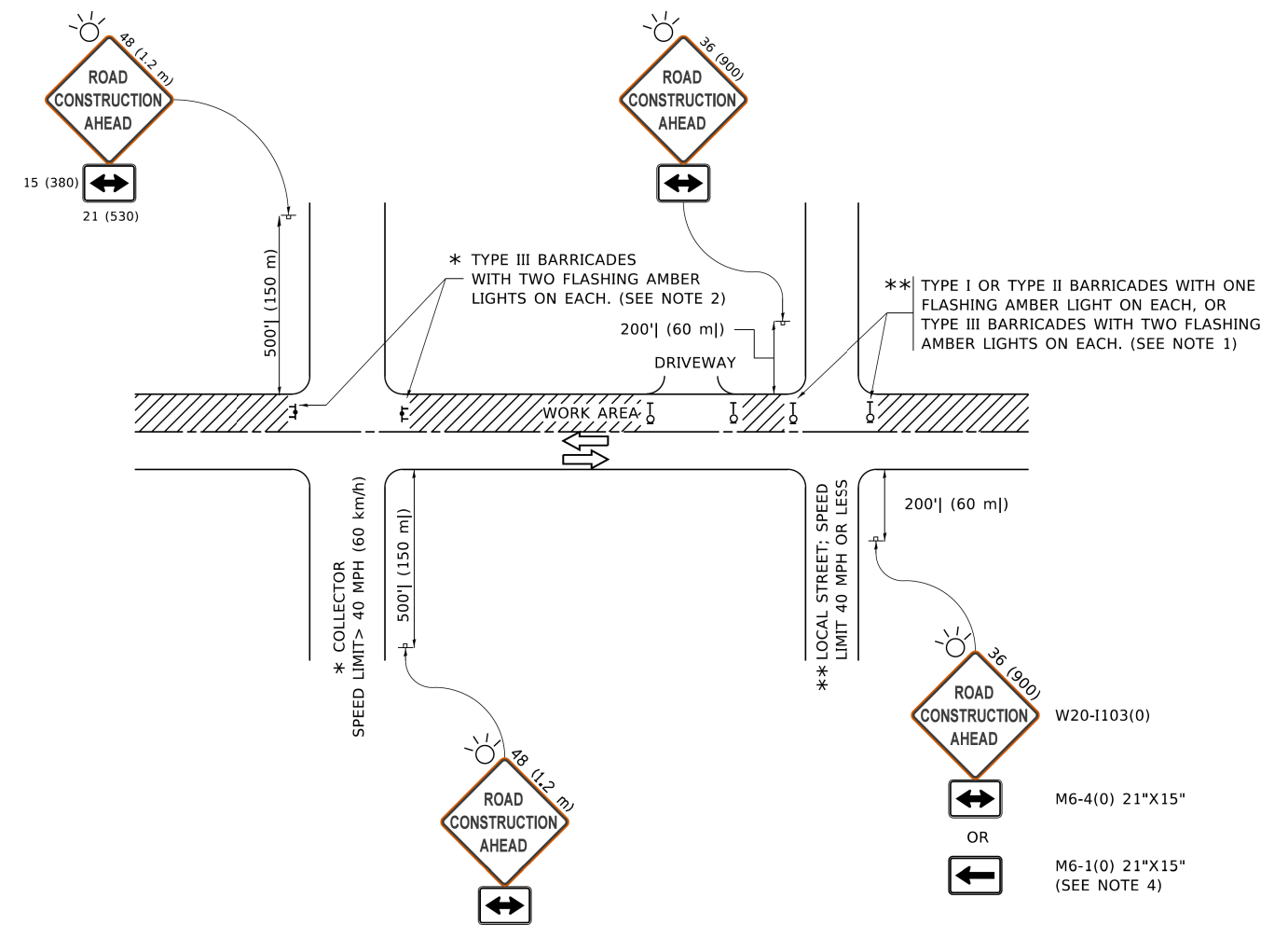
USER NAME = Lawrence.DeManche	DESIGNED - TGM, EAJ	REVISED - CADD 05-02-12
	DRAWN - AM	REVISED - CADD 11-02-15
PLOT SCALE = 100.0000' / in.	CHECKED - JD	REVISED - K. SMITH 11-18-22
PLOT DATE = 11/18/2022	DATE - 03/07/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF VARIOUS TYPES OF LANE REDUCTION
FOR PCC PAVEMENT**

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

F.A.P./R.F.E.U. 345A/ 734n	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 87
BD-53		CONTRACT NO. 61J28		
ILLINOIS FED. AID PROJECT				



NOTES:

1. 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:
 - a) 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.
 - b) 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.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) 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.
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. 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.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. 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.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. 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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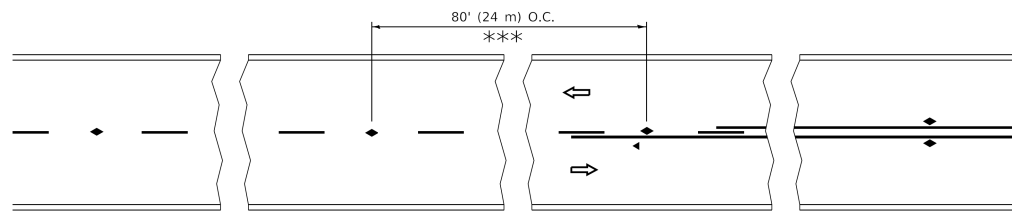
USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

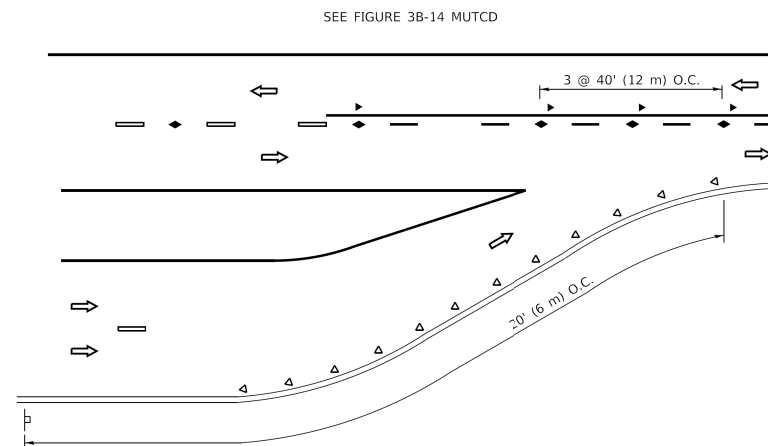
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F.A.P./R.F.E.U. 345A 734N	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 88
TC-10		CONTRACT NO. 61J28		
ILLINOIS FED. AID PROJECT				

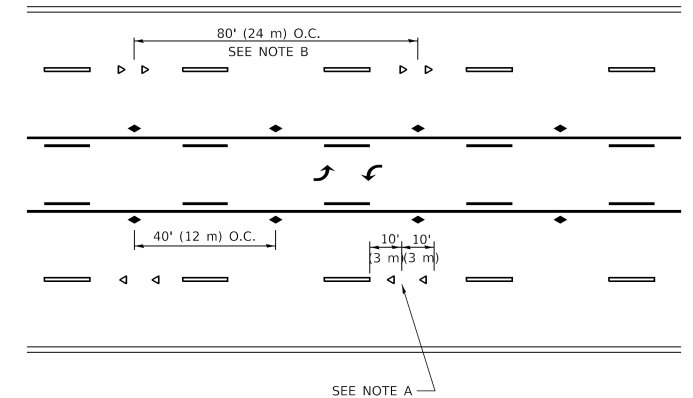


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

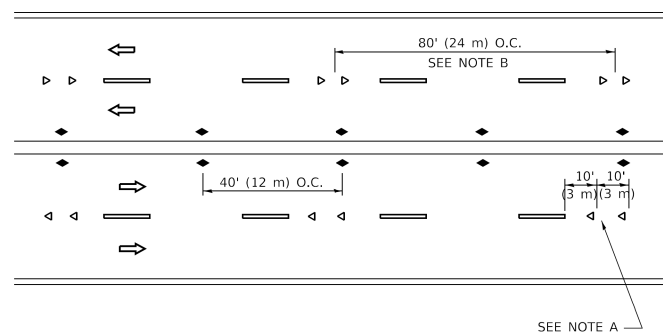
TWO-LANE/TWO-WAY



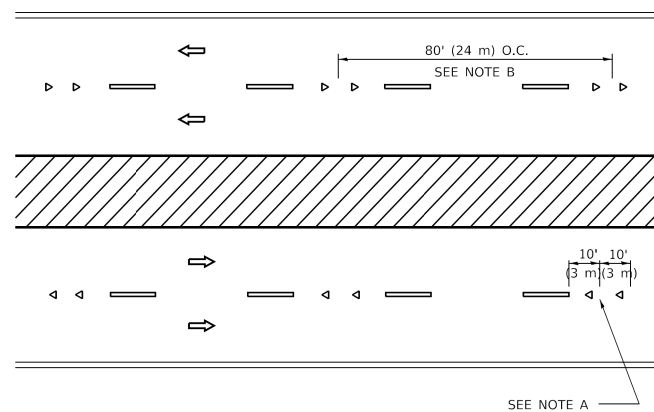
LANE REDUCTION TRANSITION



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

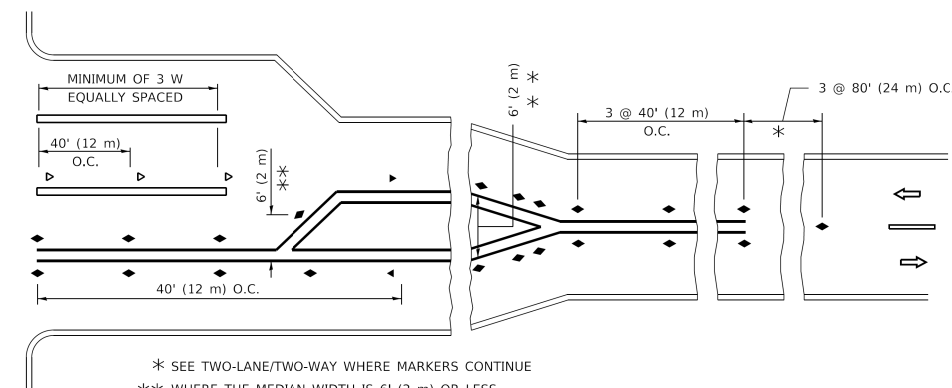
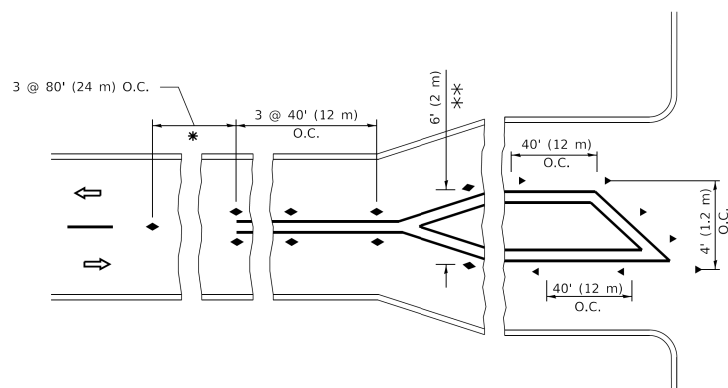
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

MODEL: Default
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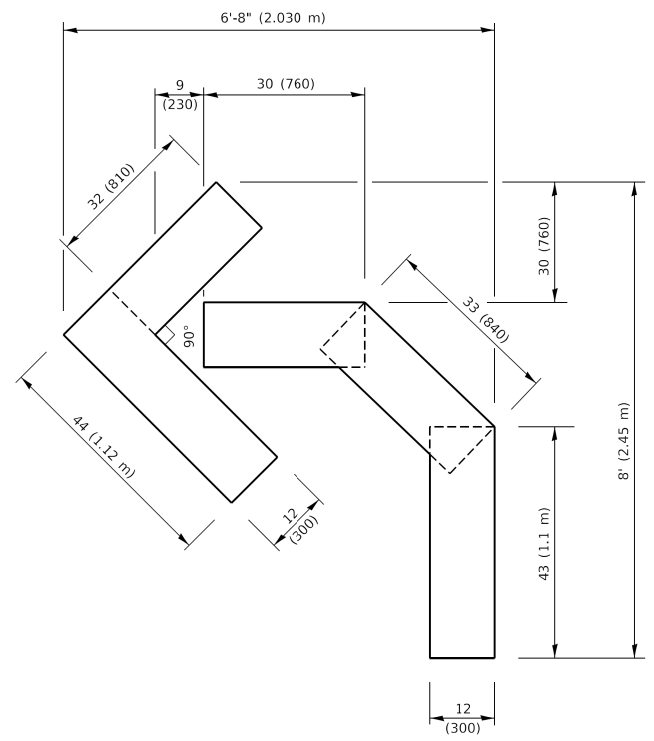
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000" / ft.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

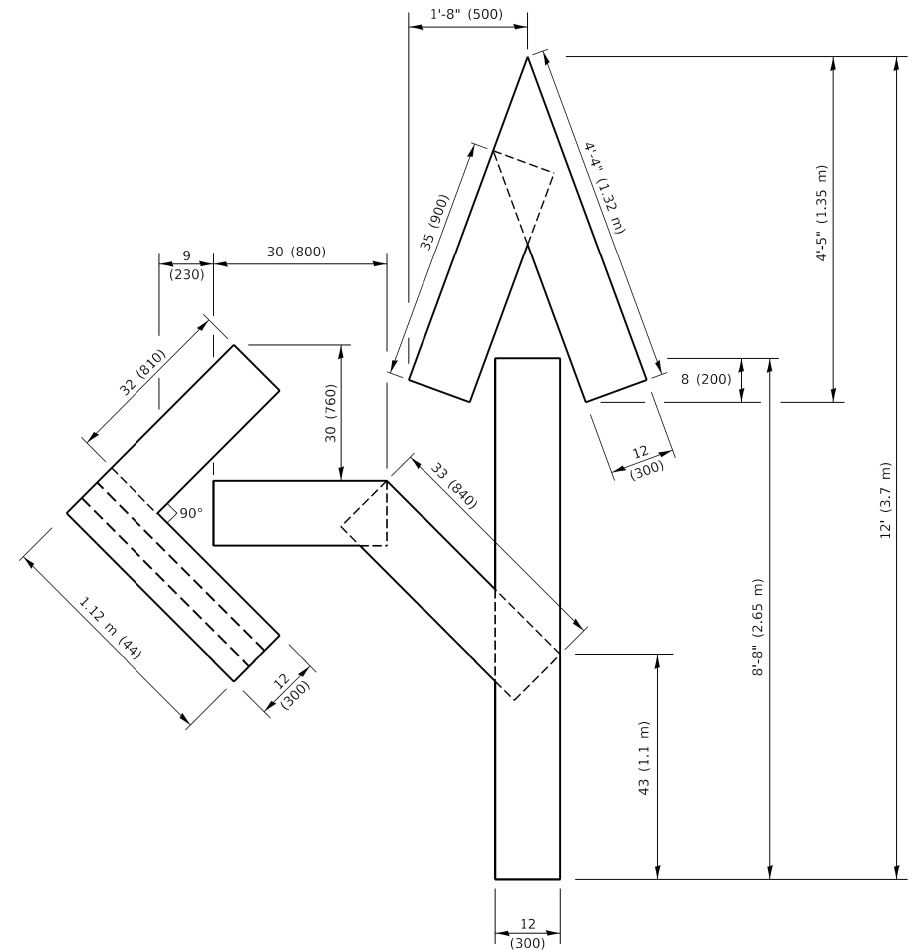
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P./R.A.U. 345A/24n	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 89
TC-11		CONTRACT NO. 61J28		
ILLINOIS FED. AID PROJECT				



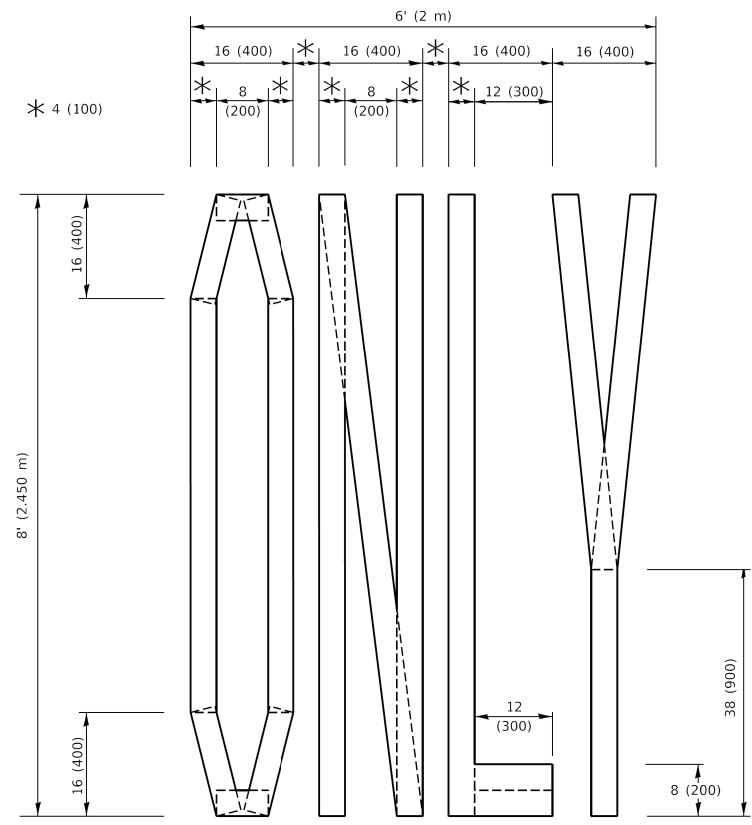
QUANTITY

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



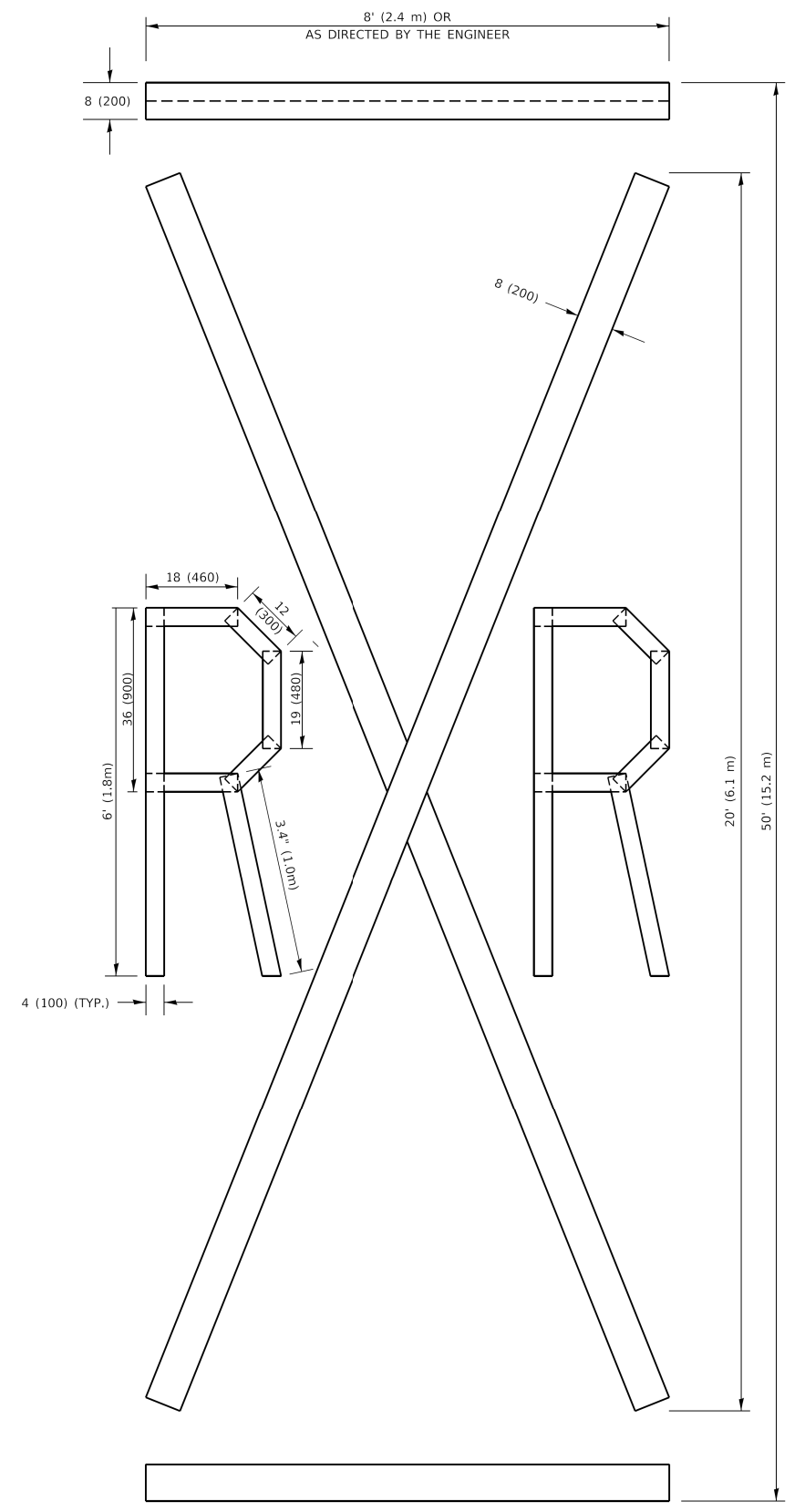
QUANTITY

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



QUANTITY

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



QUANTITY

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

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

MODEL: Default
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USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
PLOT SCALE = 50.0068" / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
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.P. / F.A.U. / 345A / 734n	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00187-00-CH	KANE	115	91
	TC-16		CONTRACT NO. 61J28	
		ILLINOIS	FED. AID PROJECT	

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ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

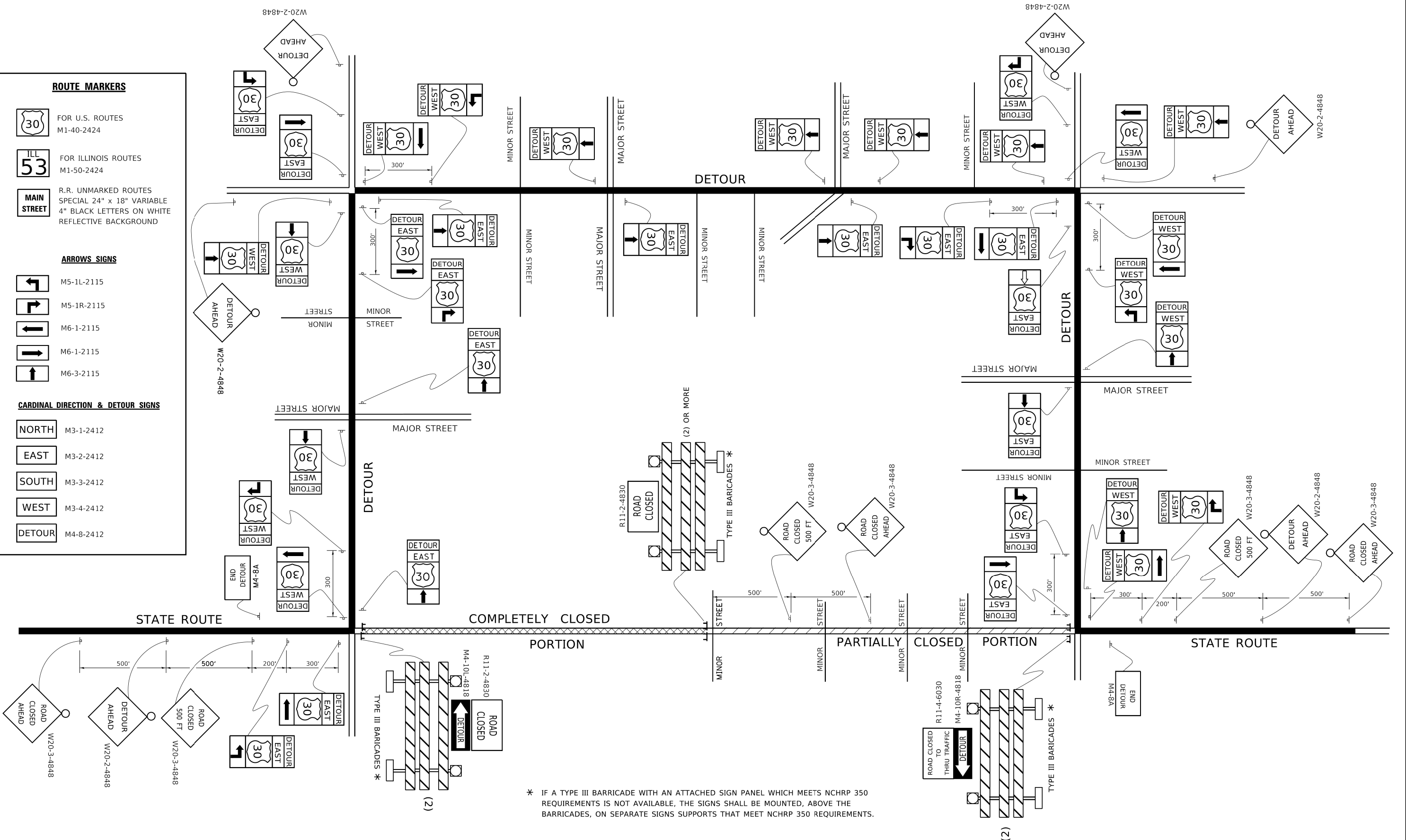
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



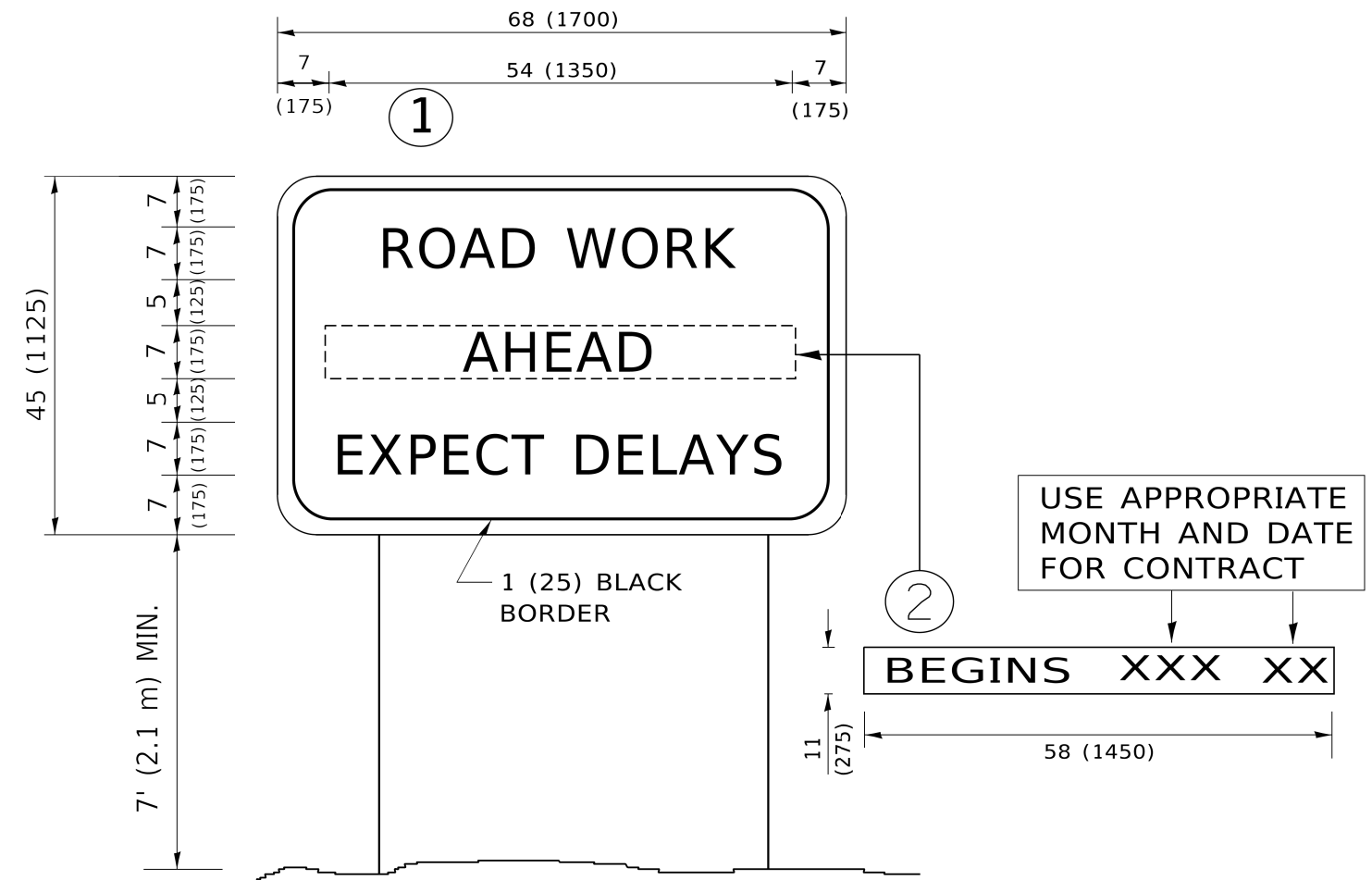
* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

USER NAME = footemj	DESIGNED -	REVISED - 10-18-02
	DRAWN -	REVISED - R. BORO 09-14-09
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P./R.F.E.U. 345A/734n	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 92
TC-21		CONTRACT NO. 61J28		
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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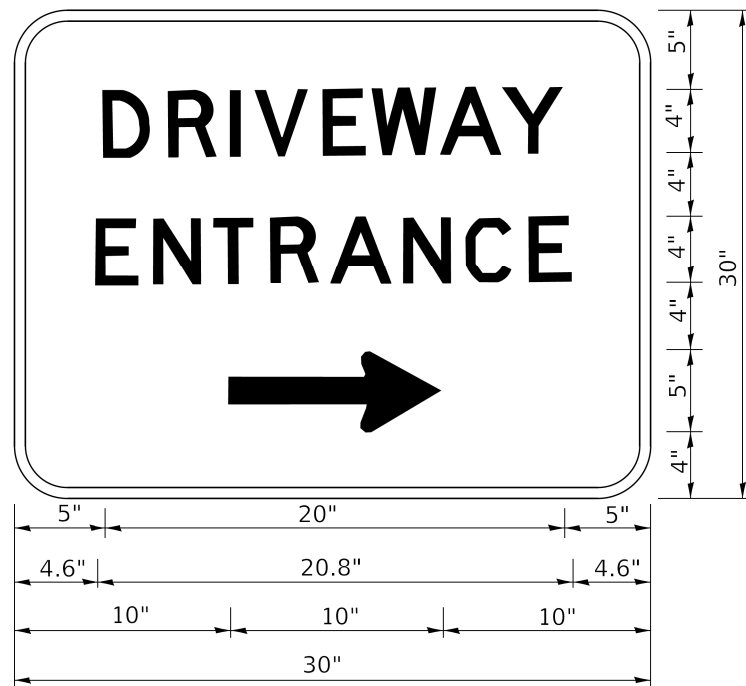
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	DRAWN -	REVISED - R. MIRS 12-11-97
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P./R.F.E.U. 345A 734n	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 93
TC-22		CONTRACT NO. 61J28		
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".

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 PROJECT: 19-00187-00-CH
 OFFICE: District 1
 DATE: 8/6/2021

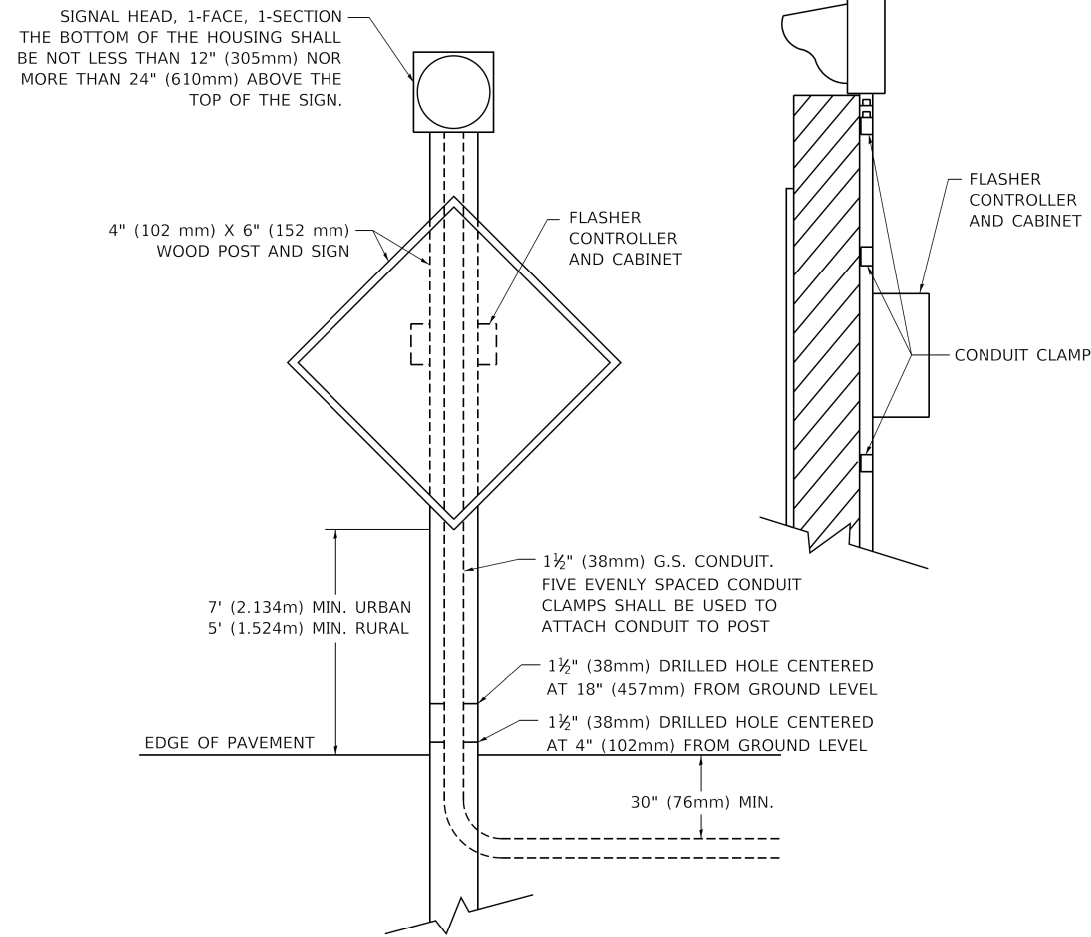
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	DRAWN -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

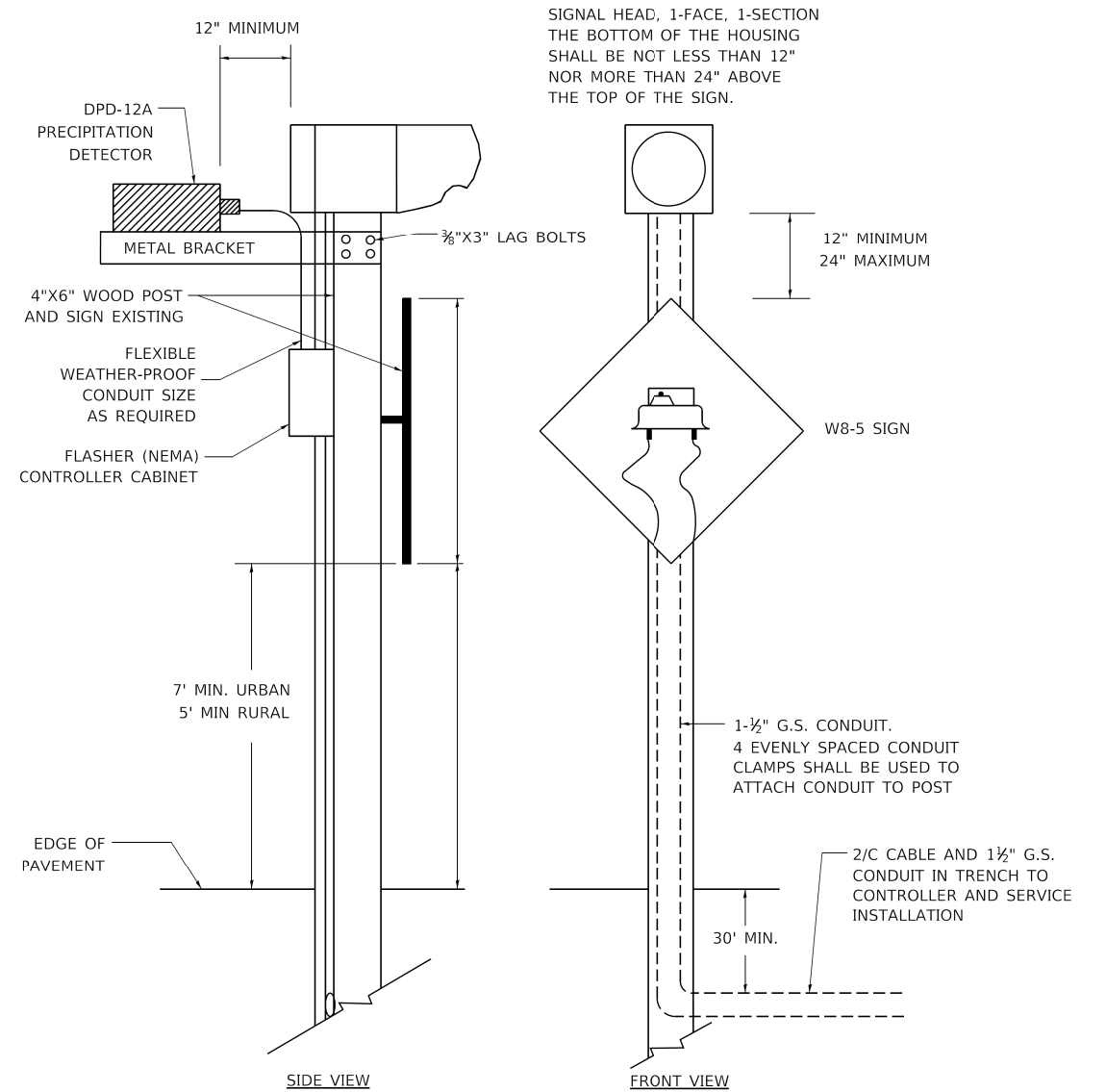
DRIVEWAY ENTRANCE SIGNING

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

F.A.P./R.F.E.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345A 734n	19-00187-00-CH	KANE	115	94
TC-26		CONTRACT NO. 61J28		
		ILLINOIS	FED. AID PROJECT	



**POST MOUNTED FLASHING BEACON
WITH CONTROLLER AND CABINET**



**POST MOUNTED FLASHING BEACON
WITH PRECIPITATION DETECTOR**

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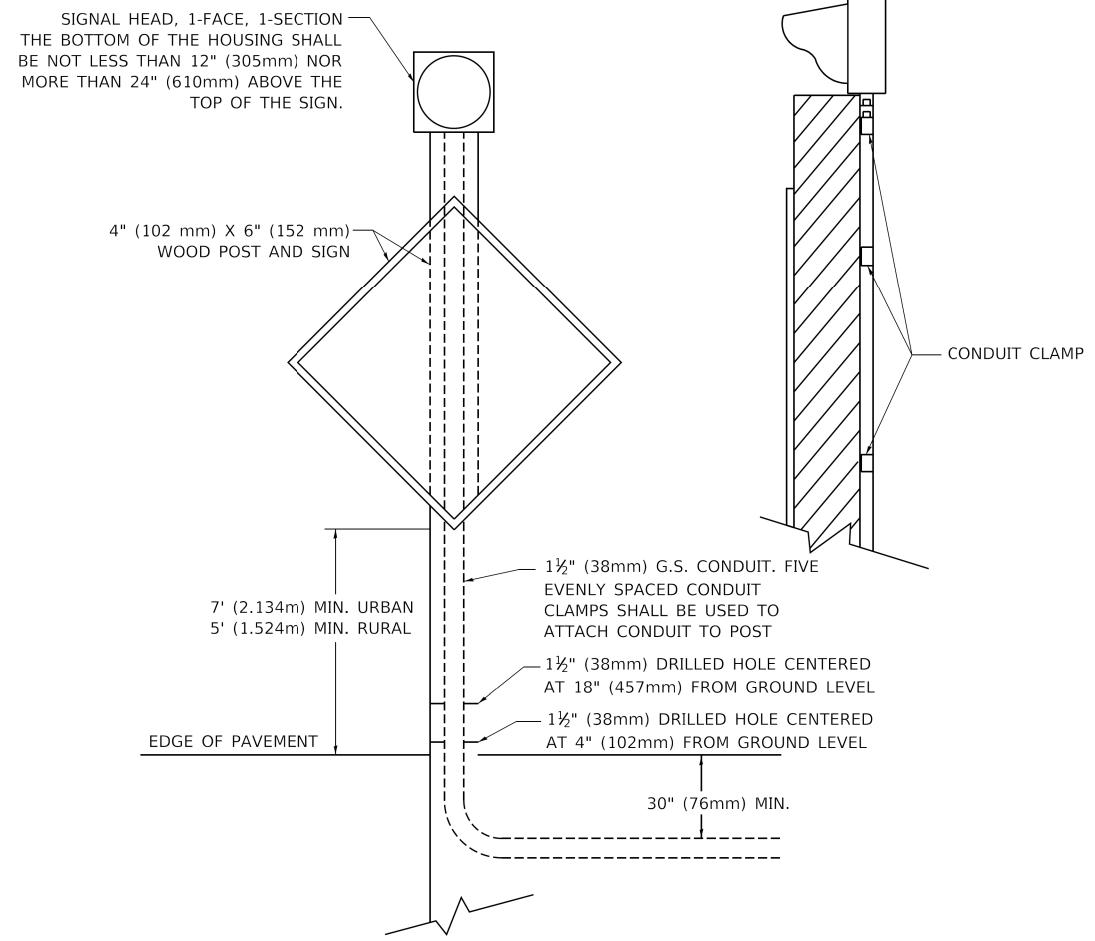
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	DRAWN - LP	REVISED - 07-01-2015
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

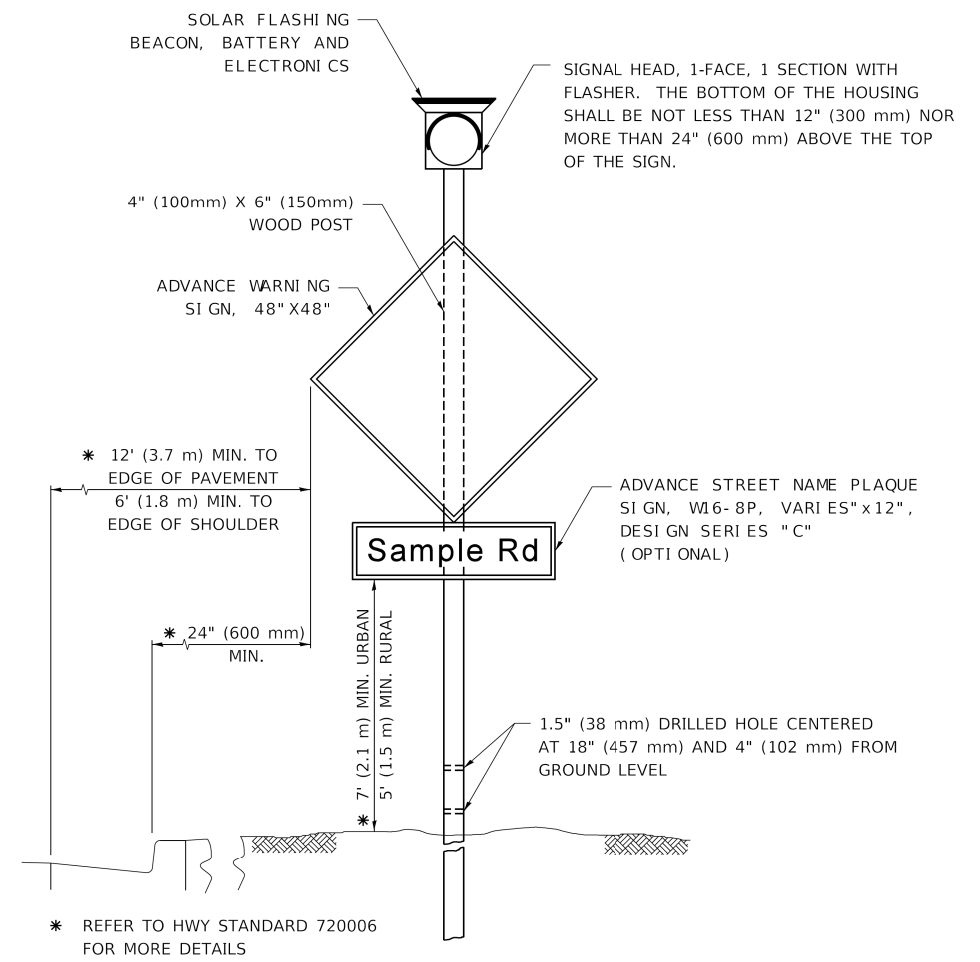
**DISTRICT ONE
FLASHING BEACON INSTALLATION DETAILS**

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

F.A.P./ R.F.E.U. 345A/ 734n	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 95
TS-04		CONTRACT NO. 61J28		
ILLINOIS FED. AID PROJECT				



POST MOUNTED FLASHING BEACON



SOLAR POWERED FLASHING BEACON

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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

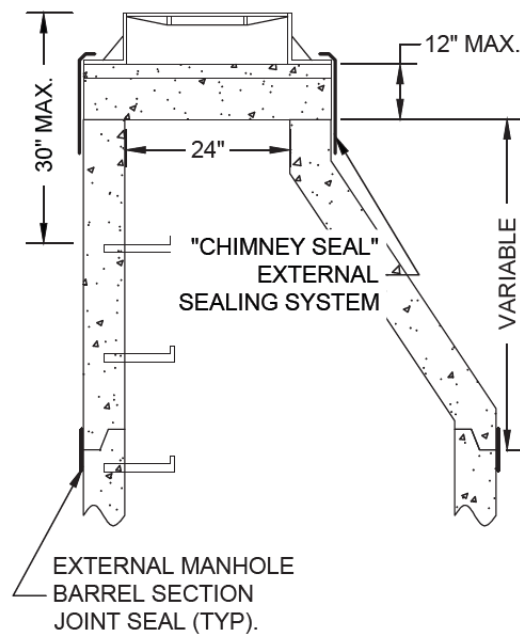
**DISTRICT ONE
FLASHING BEACON INSTALLATION DETAILS**

SCALE:	SHEET 2 OF 2 SHEETS	STA. TO STA.
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F.A.P./R.A.E.U. 345A/734n	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 96
TS-04		CONTRACT NO. 61J28		
ILLINOIS FED. AID PROJECT				

NOTES:

1. ~~MANHOLE FRAMES & LIDS SHALL BE NEENAH 1670-2004 (STANDARD) FRAME WITH NEENAH R-1670-0358 LID, OR NEENAH 1670-2008 (LOW-PROFILE) FRAME WITH NEENAH R-1670-0358 LID, OR APPROVED EQUAL, WITH THE EXCEPTION OF NOTE 2 BELOW.~~
2. ~~FOR MANHOLES CONNECTED TO MAINS 18" DIAMETER OR LARGER, OR FOR MANHOLES LOCATED IN FLOOD PRONE AREAS, FRAMES & LIDS SHALL BE NEENAH R-1915-2101 TYPE J FRAME WITH NEENAH R-1915-5016 (BOLT-DOWN) LIDS, OR APPROVED EQUAL.~~
3. ALLOWABLE TYPES OF ADJUSTING RINGS INCLUDE PRECAST CONCRETE (4" HEIGHT MIN.), & EXPANDED POLYPROPYLENE (EPP). THESE CAN BE USED IN CONJUNCTION WITH EACH OTHER, EXCEPT THAT A PRECAST RING SHALL NOT BE PLACED OVER AN EPP RING.
4. FOR PRECAST ADJUSTING RINGS, ALL ADJUSTING RING JOINTS AS WELL AS THE FRAME TO ADJUSTING RING JOINT SHALL BE SEALED WITH TWO 1" BEADS OF PRE-FORMED RUBBER BUTYL JOINT SEALANT, INCLUDING FRAME TO CONCRETE JOINT. WHEN A FRAME REQUIRES PITCHING, A MIN. OF 3 SHIMS EQUALLY SPACED SHALL BE INSTALLED BETWEEN THE FRAME AND CONCRETE AND HYDRAULIC CEMENT SHALL BE USED TO FILL THE VOID BETWEEN THE FRAME & CONCRETE.
5. FOR EPP ADJUSTING RINGS, RINGS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS. WHEN A FRAME REQUIRES PITCHING, THE TOP RING SHALL BE A TAPERED ADJUSTMENT RING PER MANUFACTURER'S INSTRUCTIONS.
6. NO TARRING OR GROUTING IS ALLOWED ON THE INSIDE OF MANHOLE OR ADJUSTMENT JOINTS.
7. PRECAST CONCRETE RINGS SHALL BE SIZE 4" HEIGHT MINIMUM. MAXIMUM ADJUSTMENT IS 12". MINIMUM ADJUSTMENT IS 4" UNLESS OFF-ROAD OR IN CURB & GUTTER ROADWAY.
8. MANHOLE FRAMES SHALL BE SET 1/4" MIN. TO 3/8" MAX. BELOW PAVED SURFACES, AND AT FINAL GRADE IN TURF AREAS.
9. WHEN ADJUSTING EXISTING MANHOLES, THE ENTIRE EXISTING ADJUSTMENT SHALL BE REMOVED AND REPLACED.
10. THE COMBINATION OF NEW ADJUSTING RINGS SHALL BE SUCH THAT THE MINIMUM NUMBER OF RINGS POSSIBLE ARE USED.
11. FLAT-TOPS ARE NOT PERMITTED ON 4' OR 5' DIA. MANHOLES.
12. REPLACEMENT OF EXISTING BARREL SECTIONS MAY BE REQUIRED TO MEET THE ABOVE REQUIREMENTS.
13. MANHOLE ADJUSTMENT INSERT RISER RINGS ARE NOT APPROVED FOR USE.



MANHOLE ADJUSTMENT DETAIL

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DESIGNED -	TGB	REVISED -	
DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	2/14/2024	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROJECT DETAILS

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 97
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

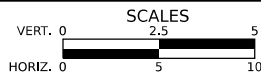
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DESIGNED - TGB
 DRAWN - KEH
 CHECKED - RTM
 DATE - 2/14/2024

REVISED -
 REVISED -
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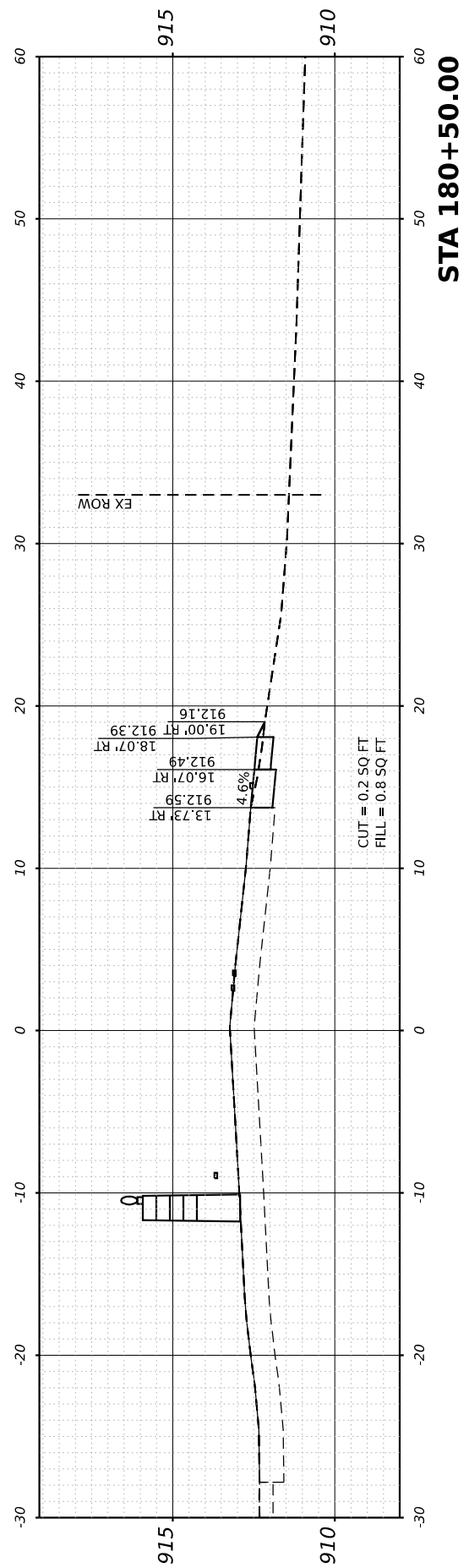
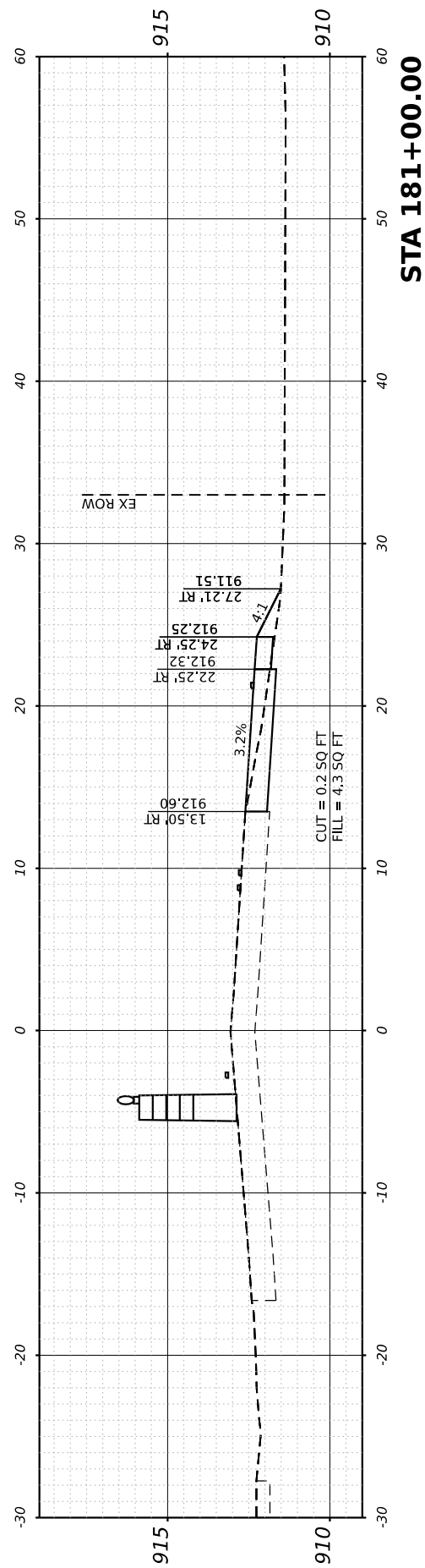
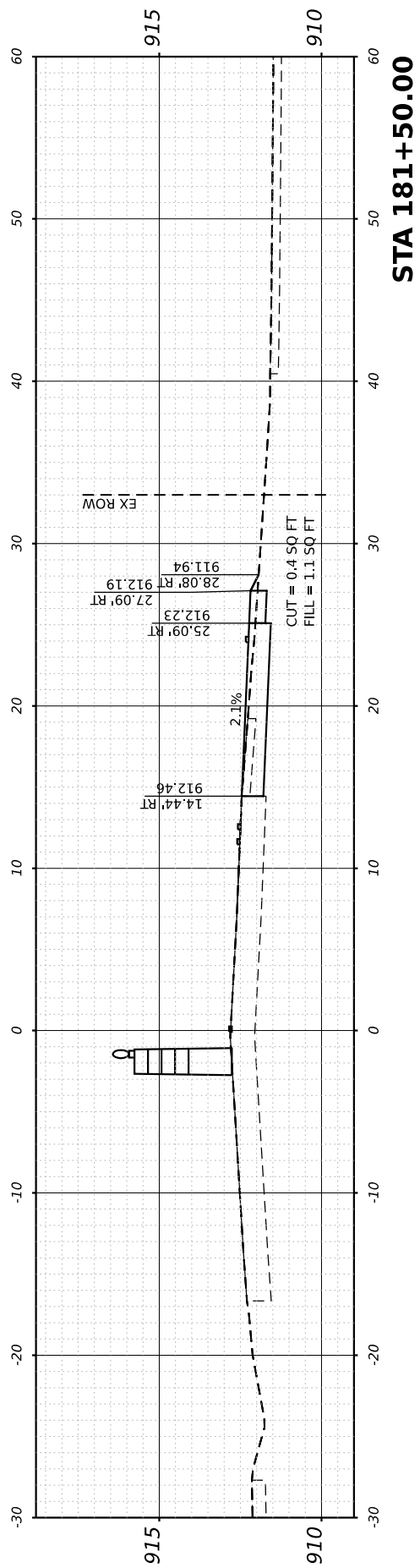
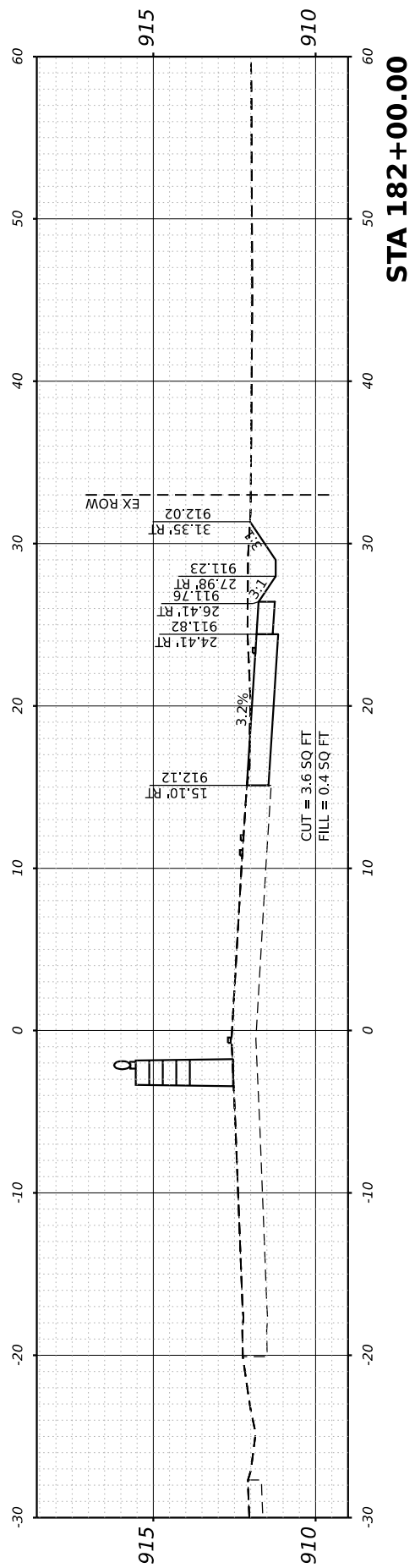
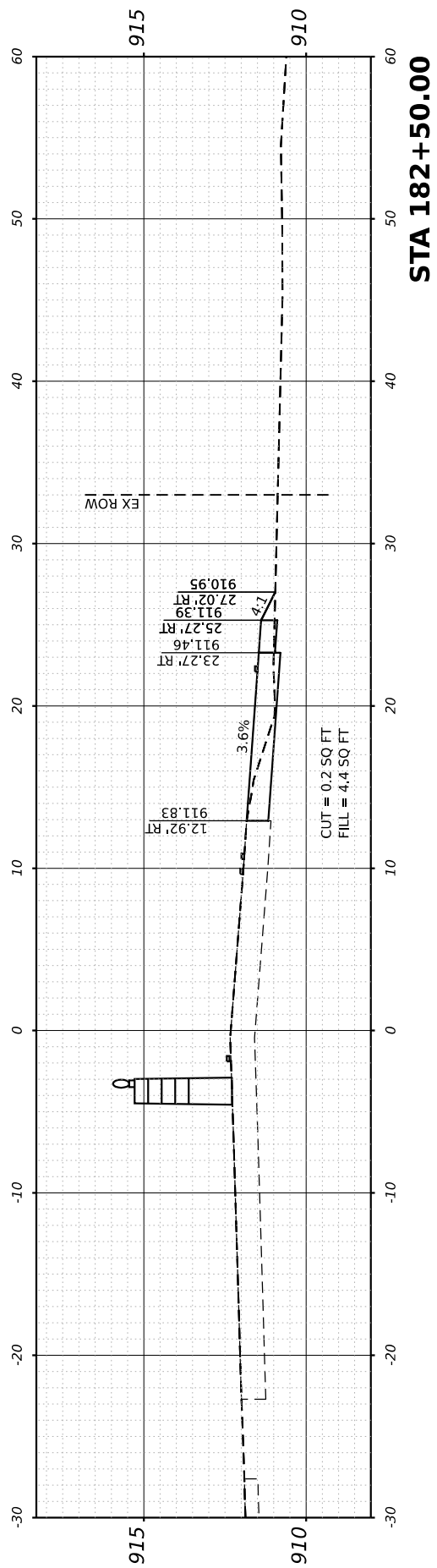
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



CROSS SECTIONS - STAGE 1

SHEET OF SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 98
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

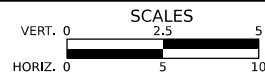


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DATE - 2/14/2024	REVISED -

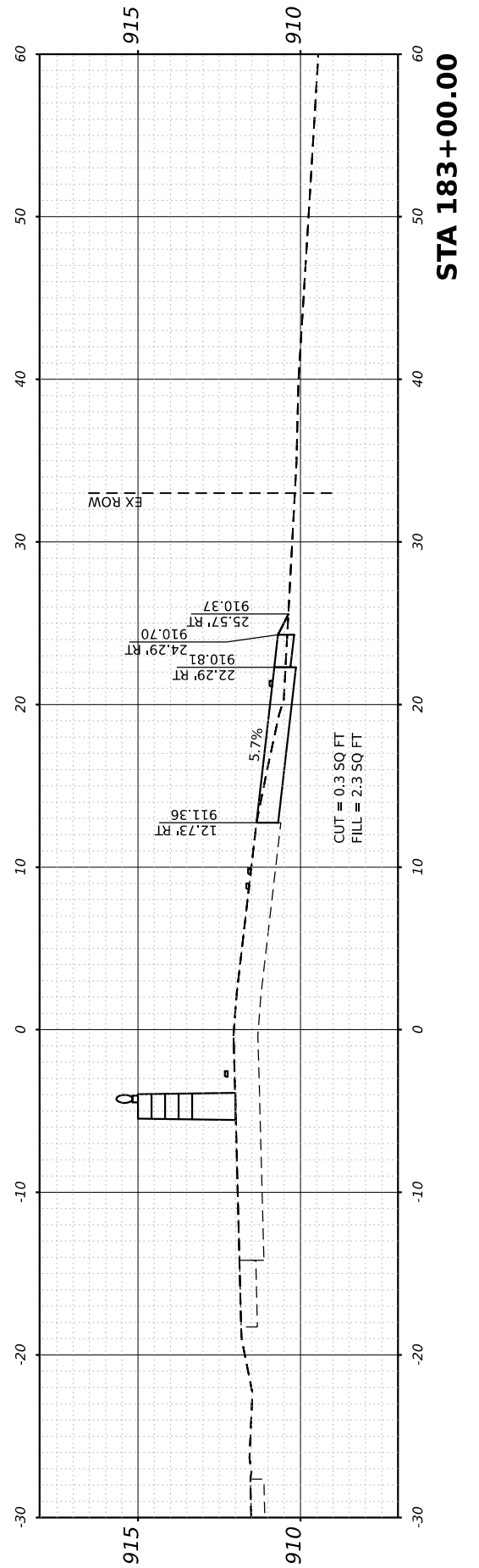
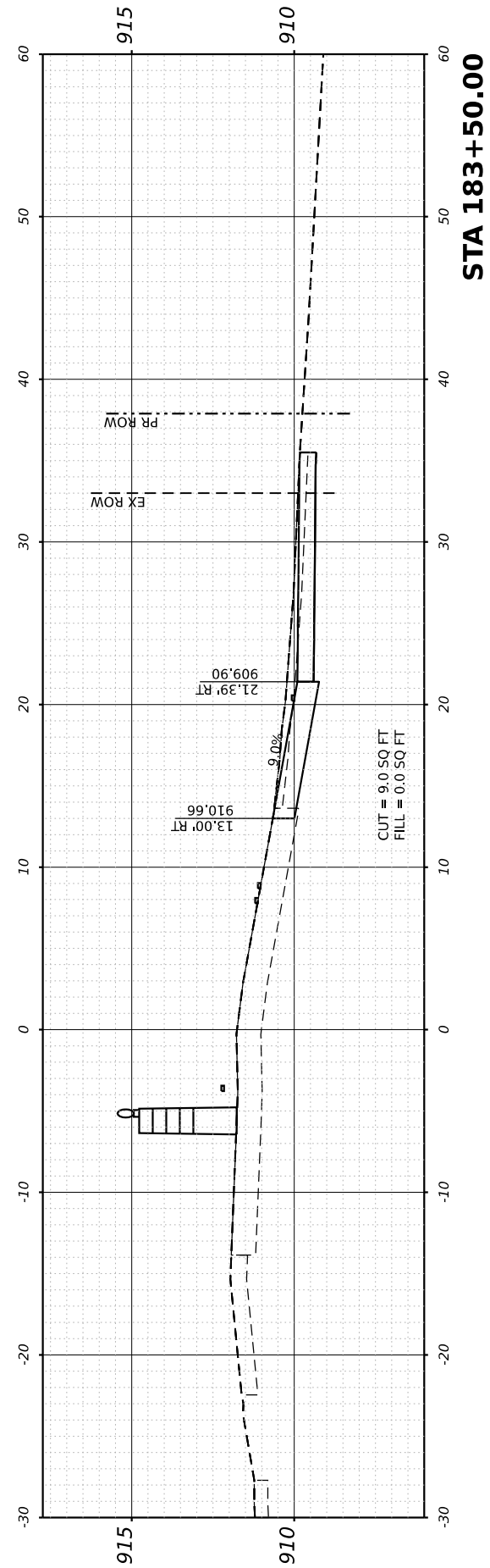
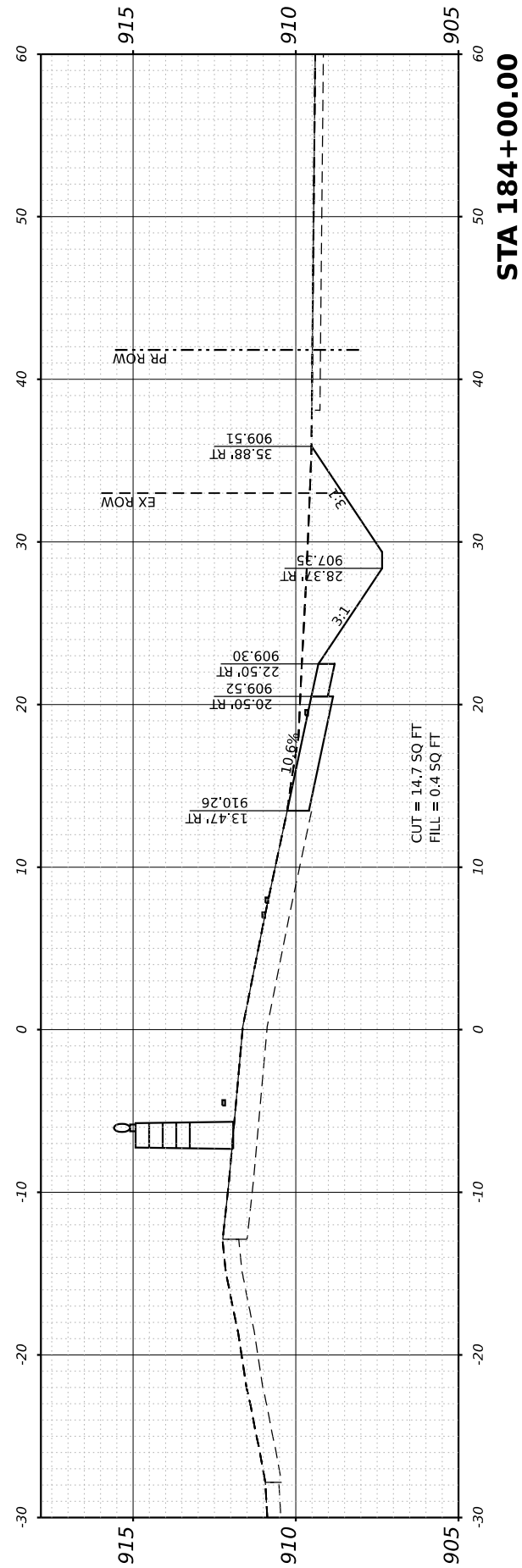
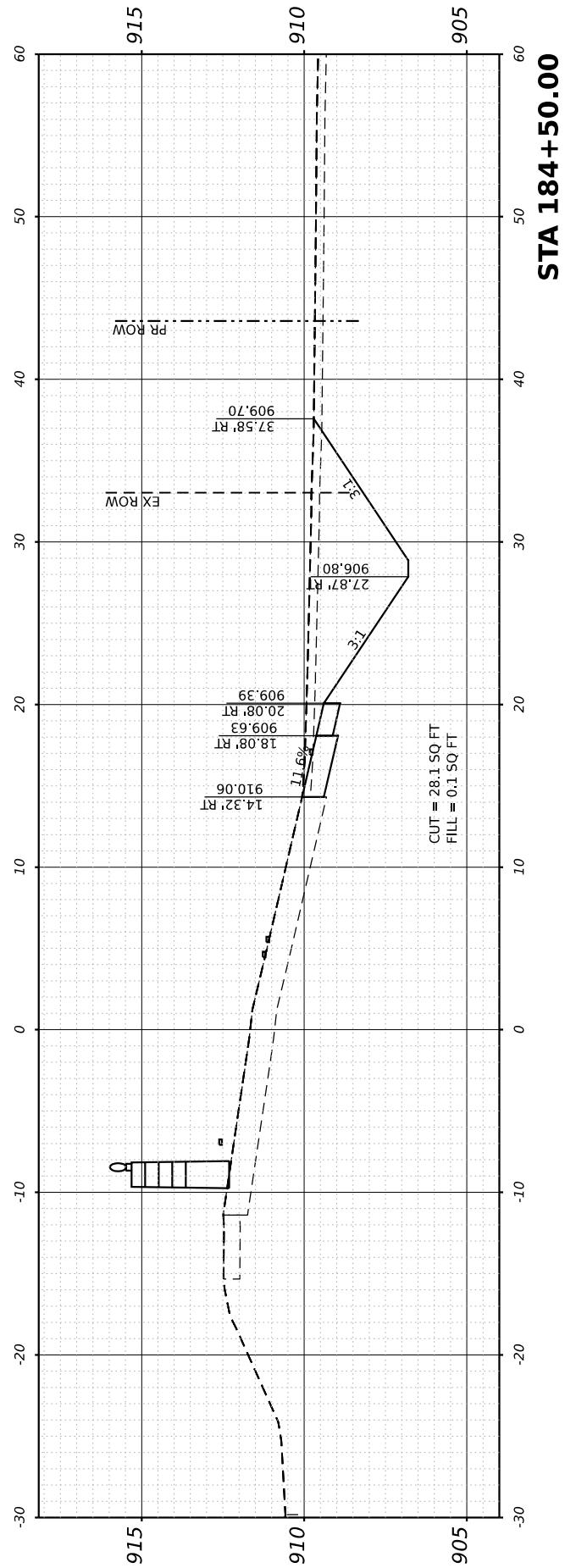
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



CROSS SECTIONS - STAGE 1

SHEET	OF	SHEETS	STA.	TO STA.
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F.A.P./F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 99
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

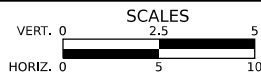


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DATE	2/14/2024	REVISED -	

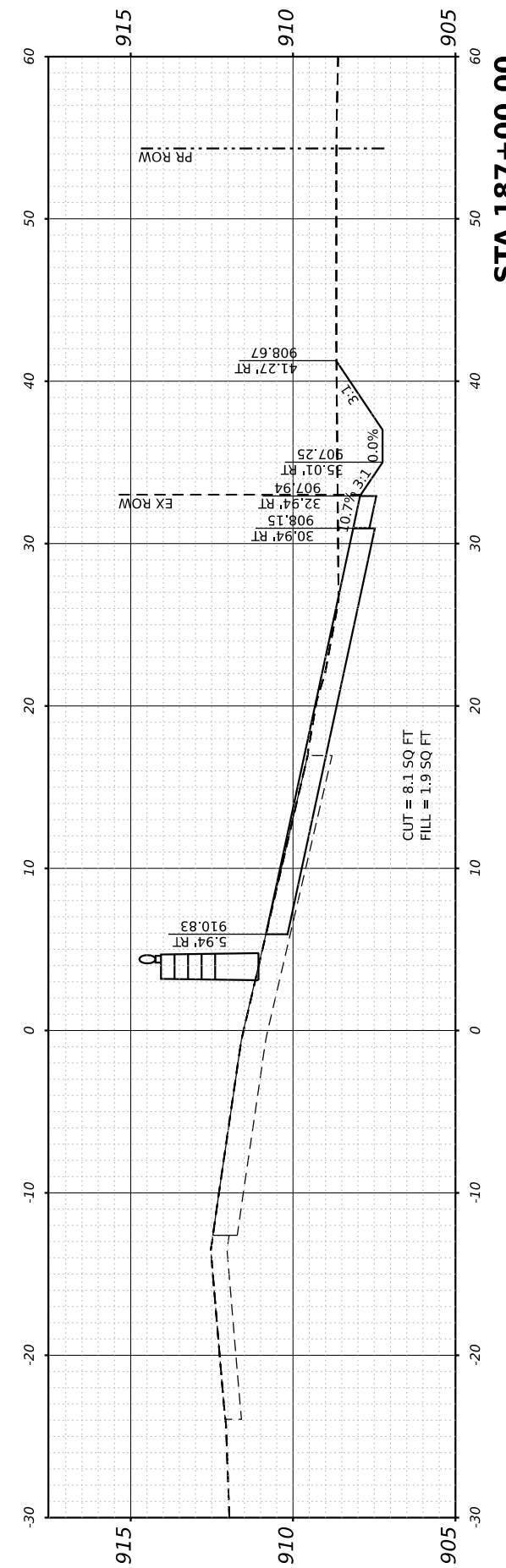
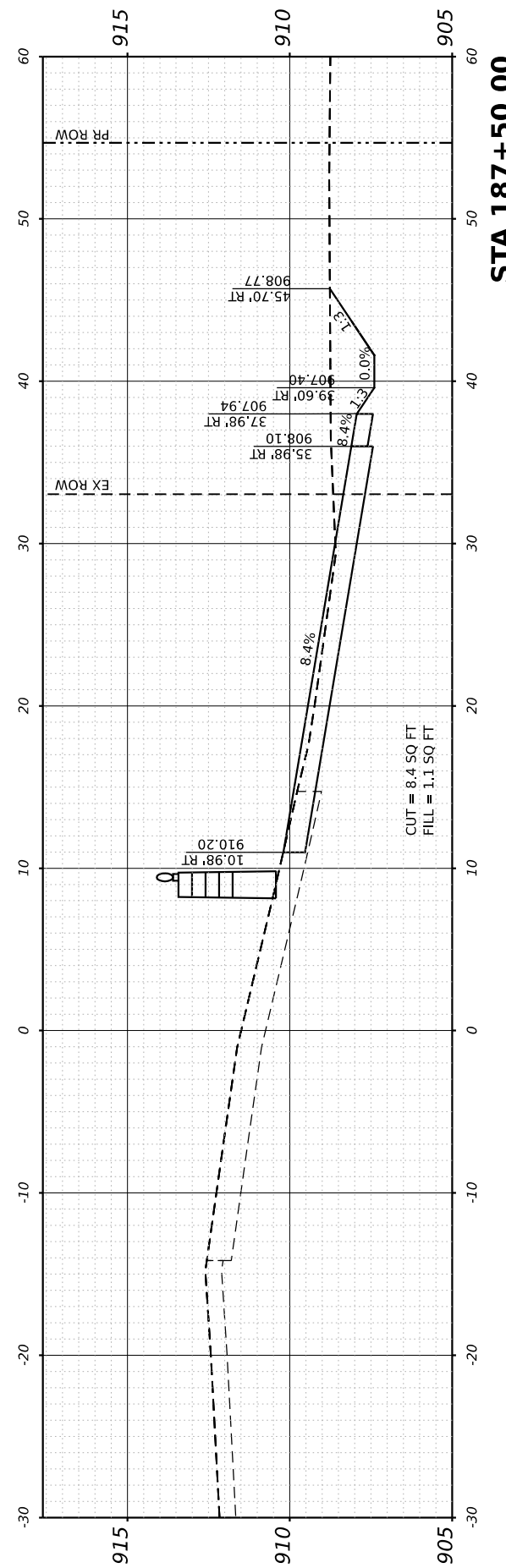
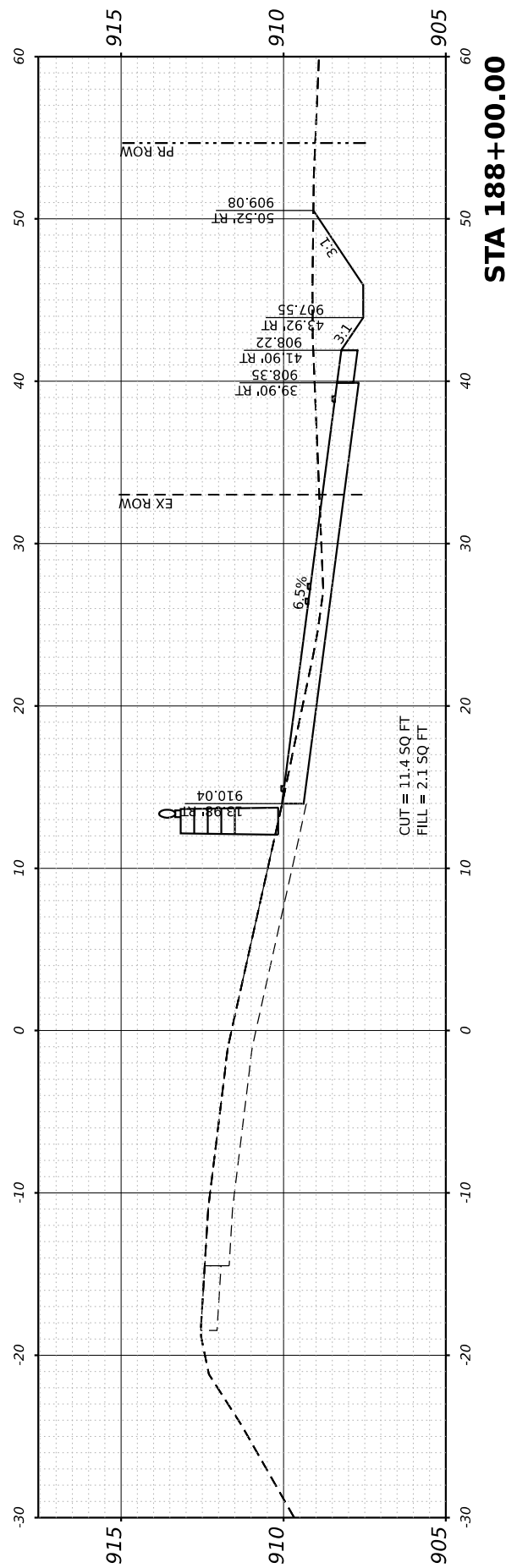
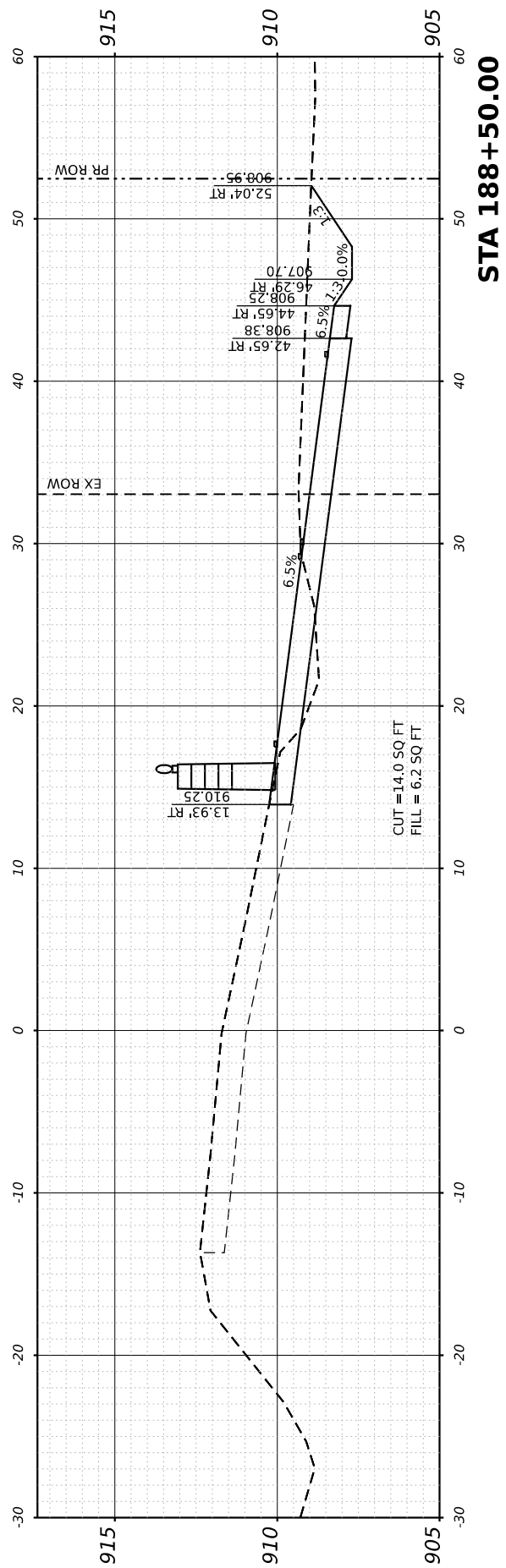
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



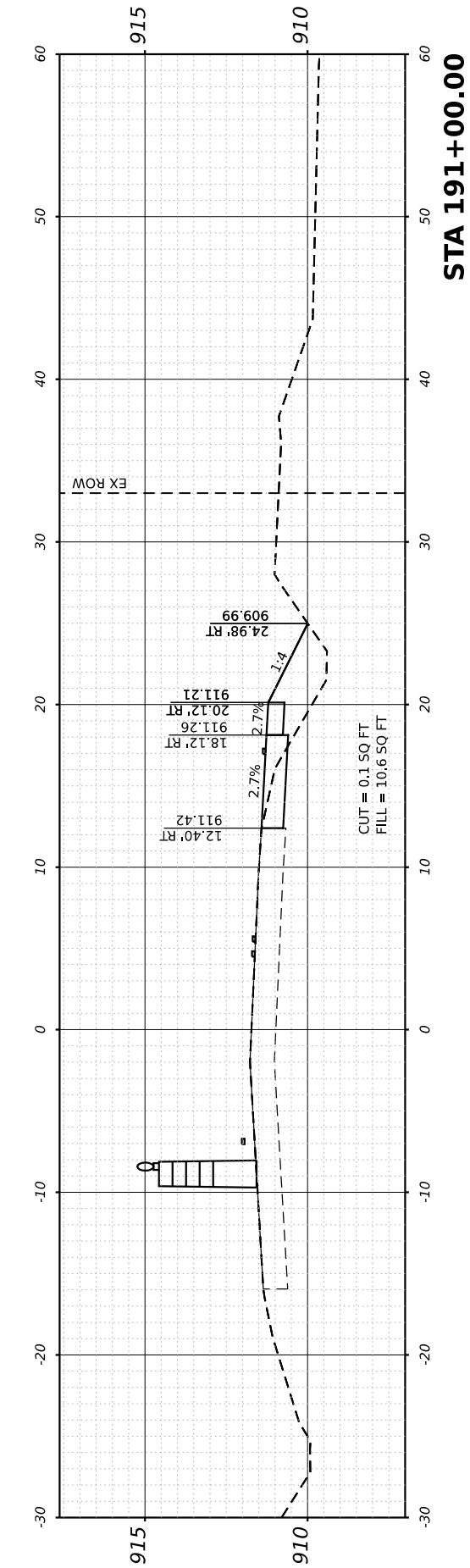
CROSS SECTIONS - STAGE 1

SHEET	OF	SHEETS	STA.	TO STA.
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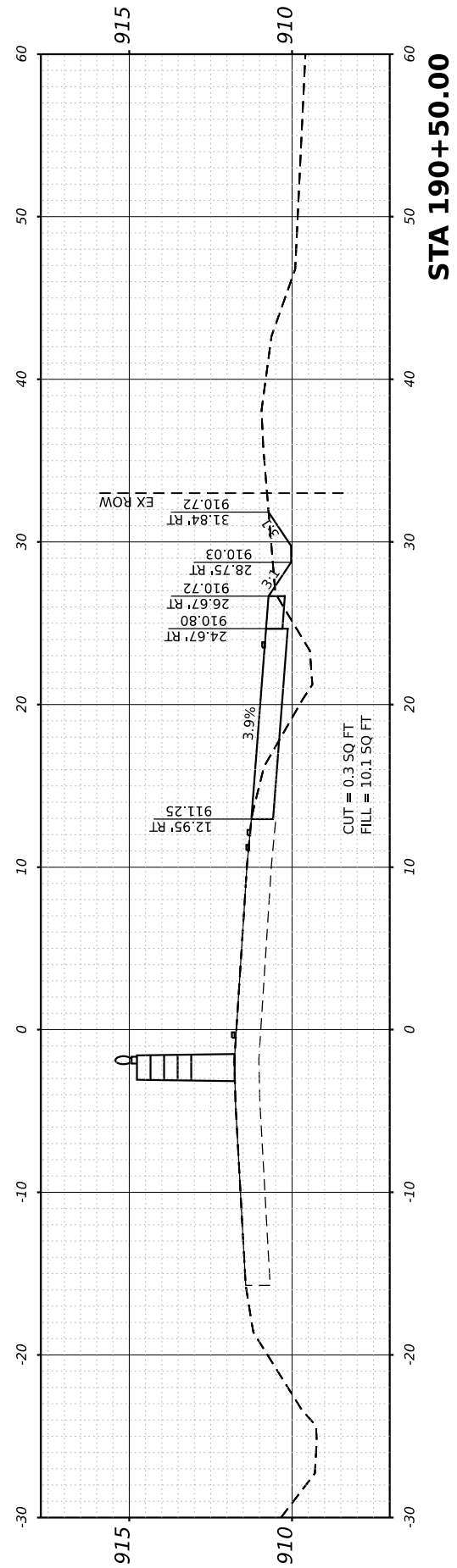
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CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



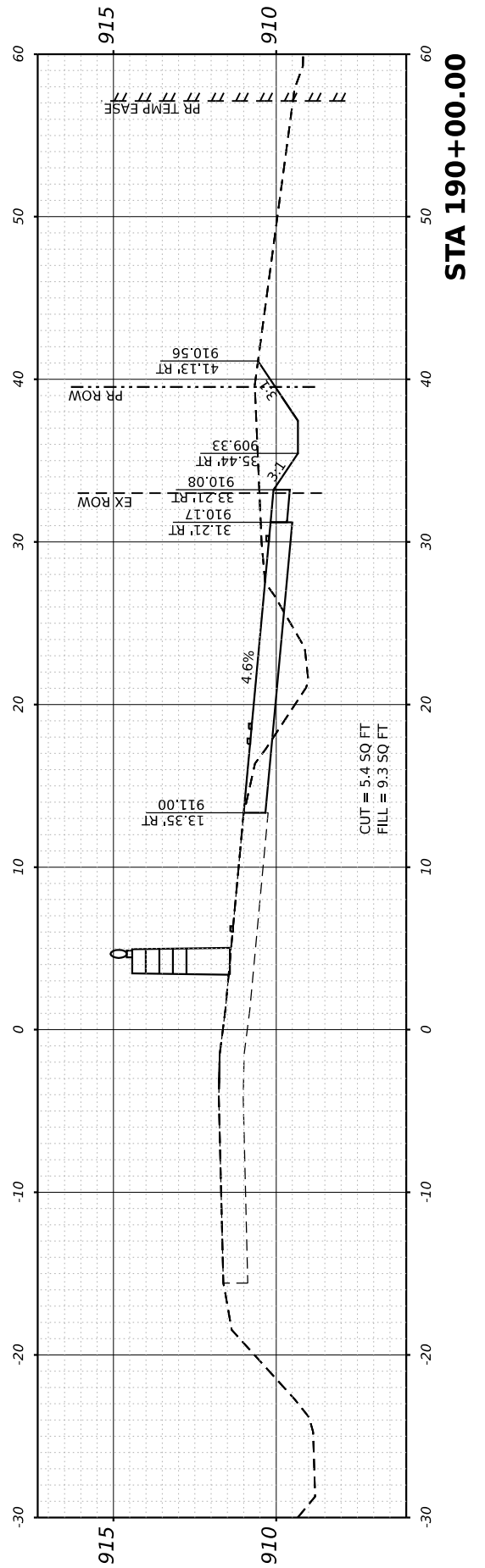
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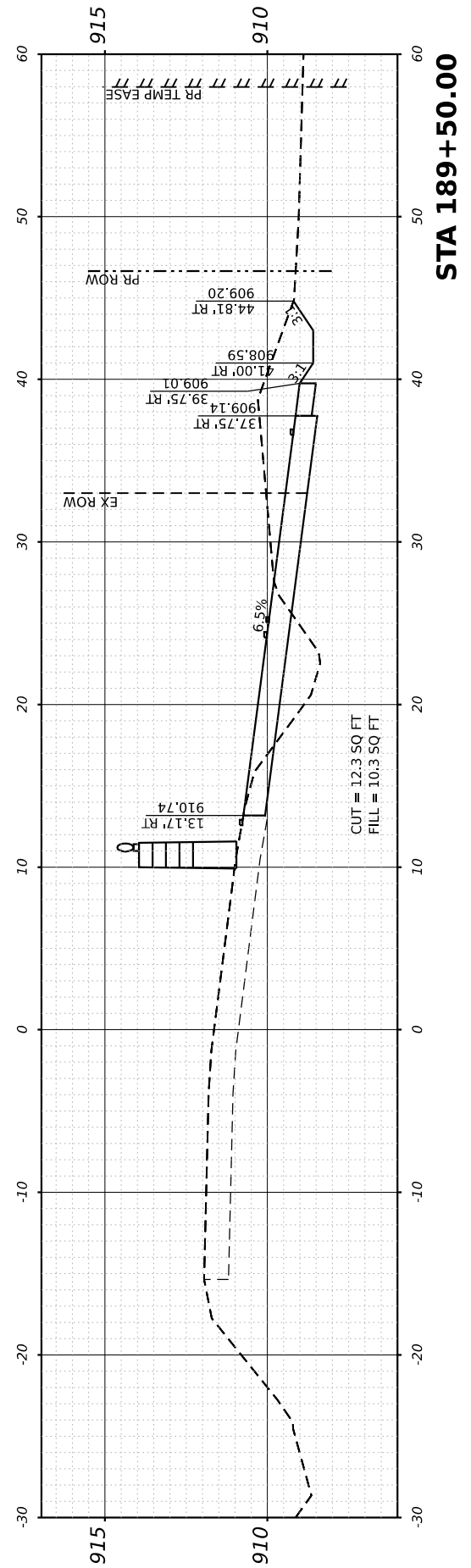
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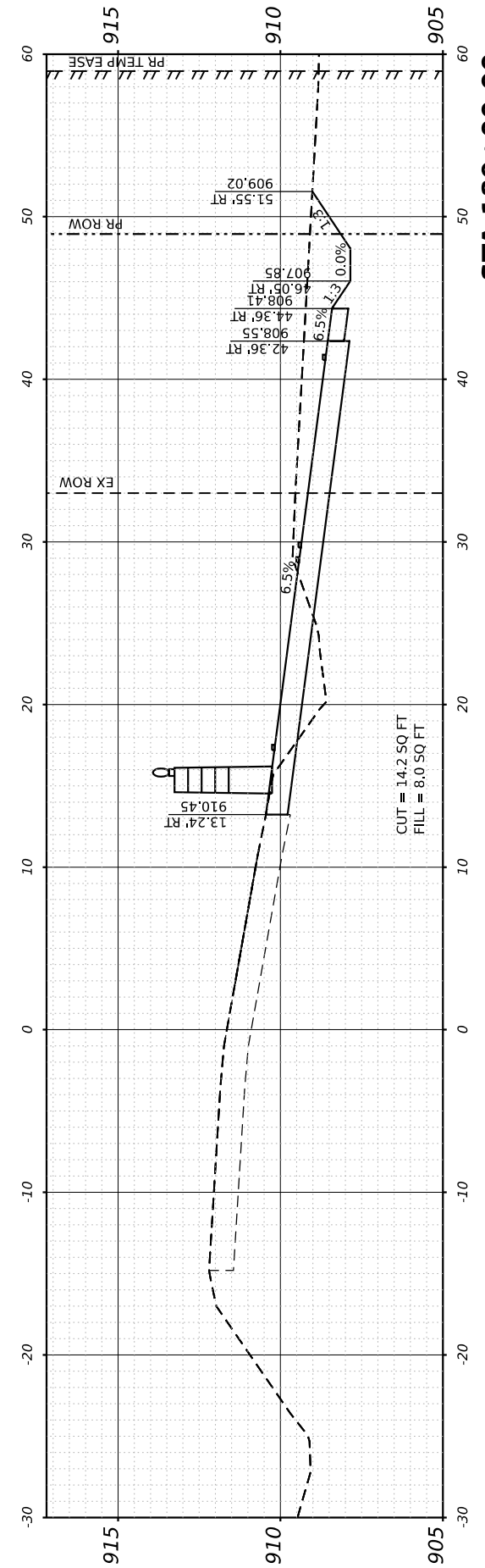
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STA 190+00.00



STA 189+50.00

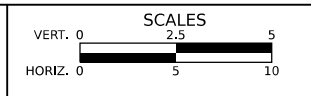


STA 189+00.00



DESIGNED -	TGB	REVISED -	
DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	2/14/2024	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



CROSS SECTIONS - STAGE 1			
SHEET	OF	SHEETS	STA. TO STA.

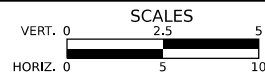
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CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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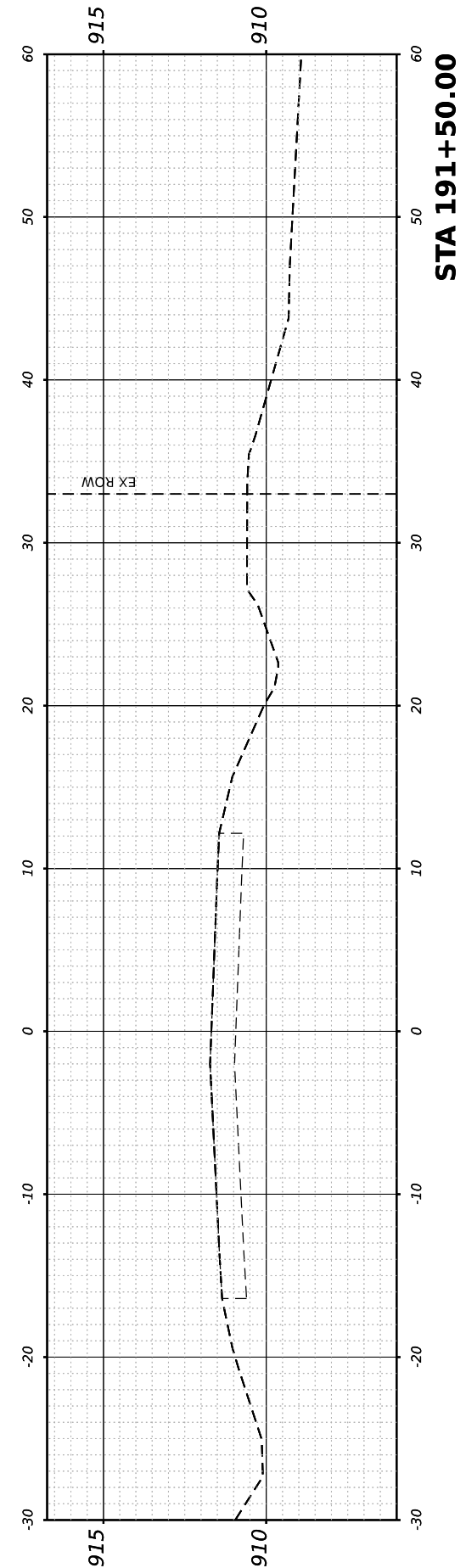
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



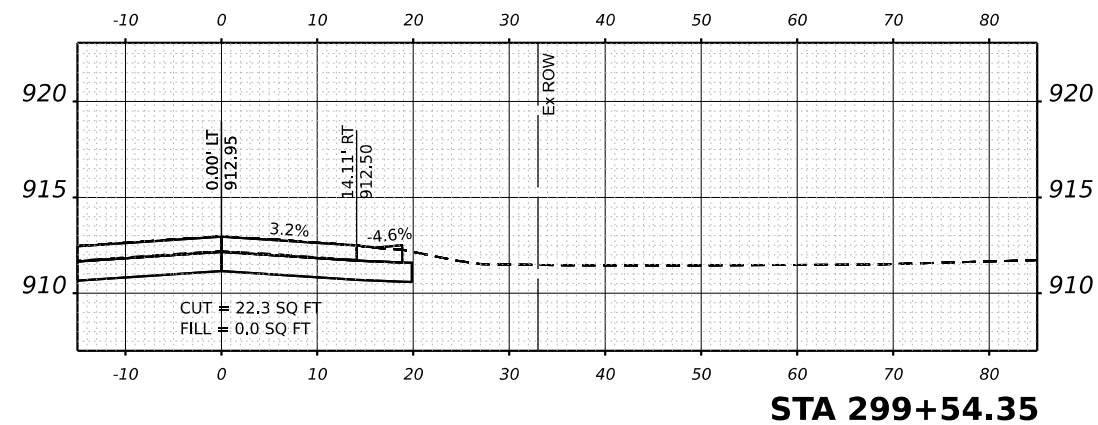
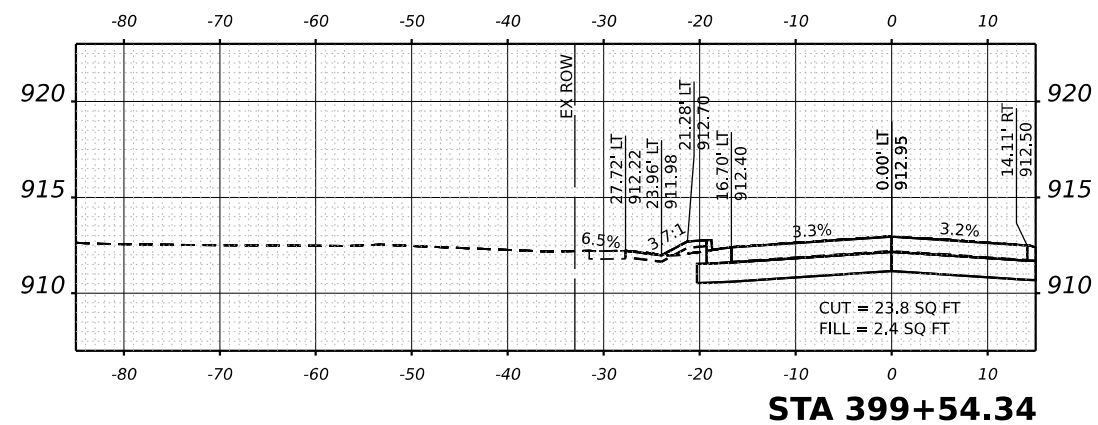
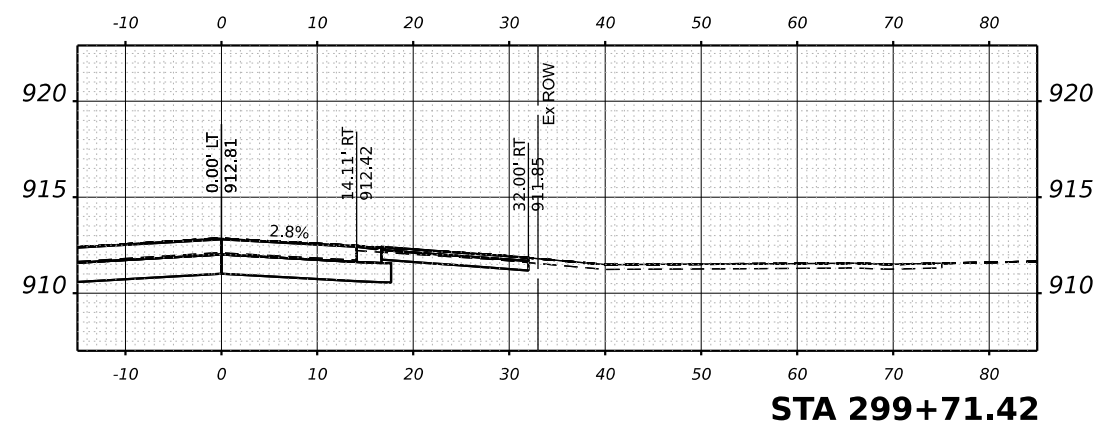
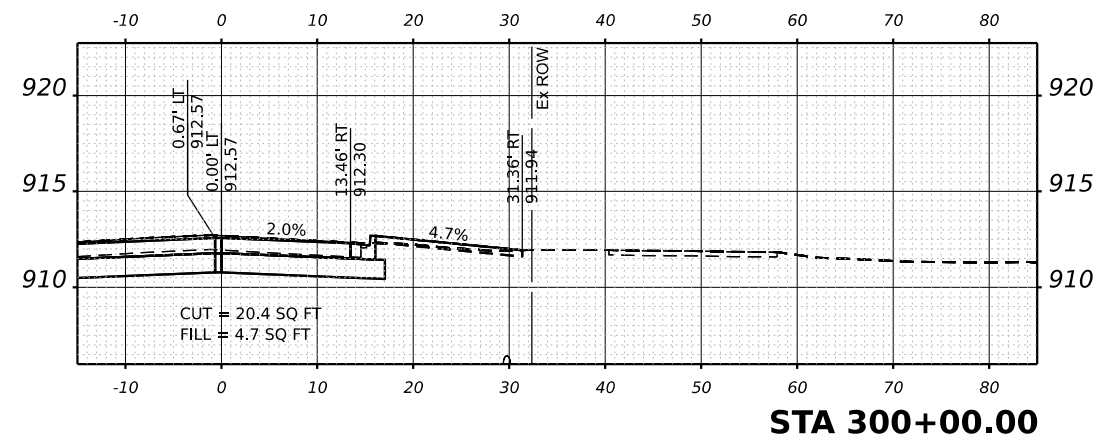
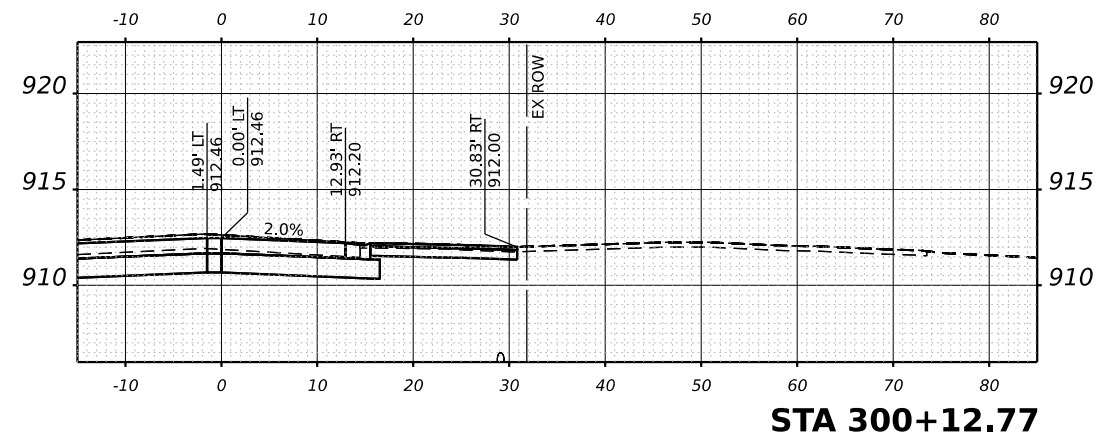
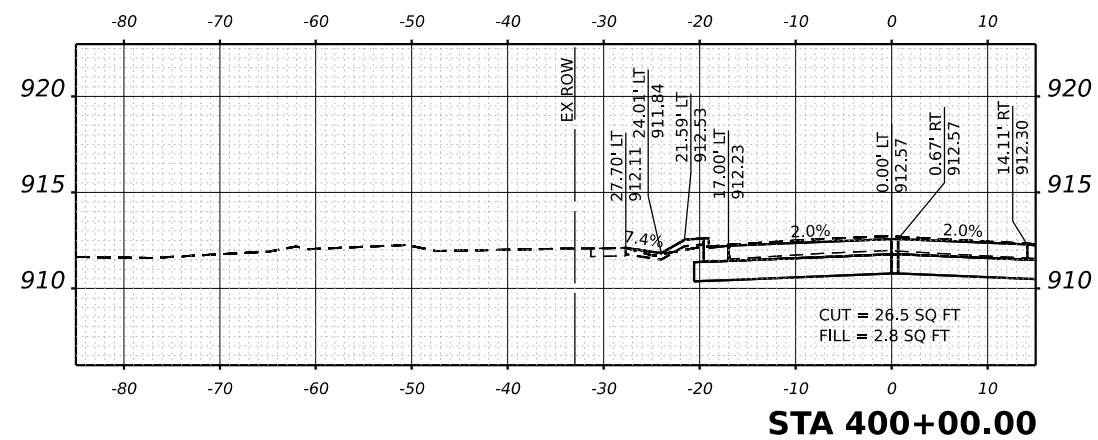
CROSS SECTIONS - STAGE 1

SHEET OF SHEETS STA. TO STA.



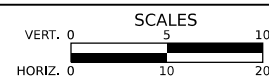
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FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 61J28				

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DRAWN - KEH	REVISED -
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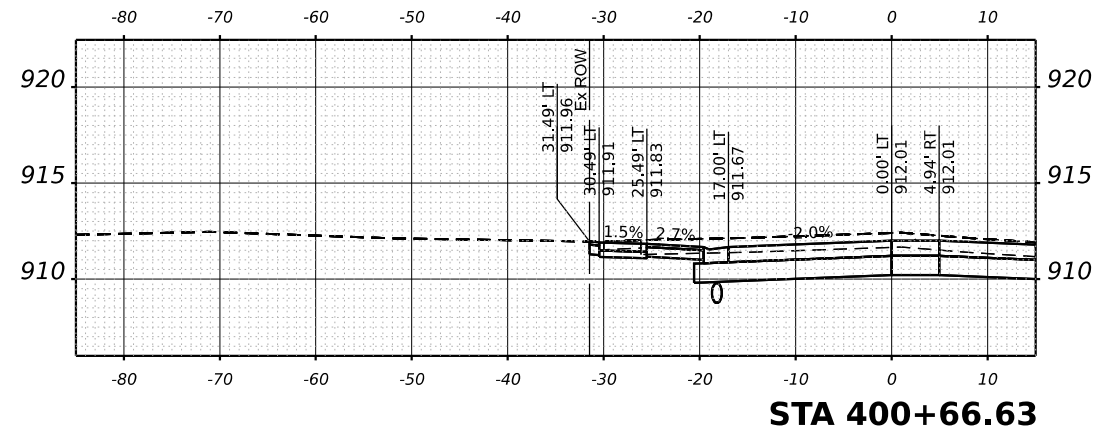
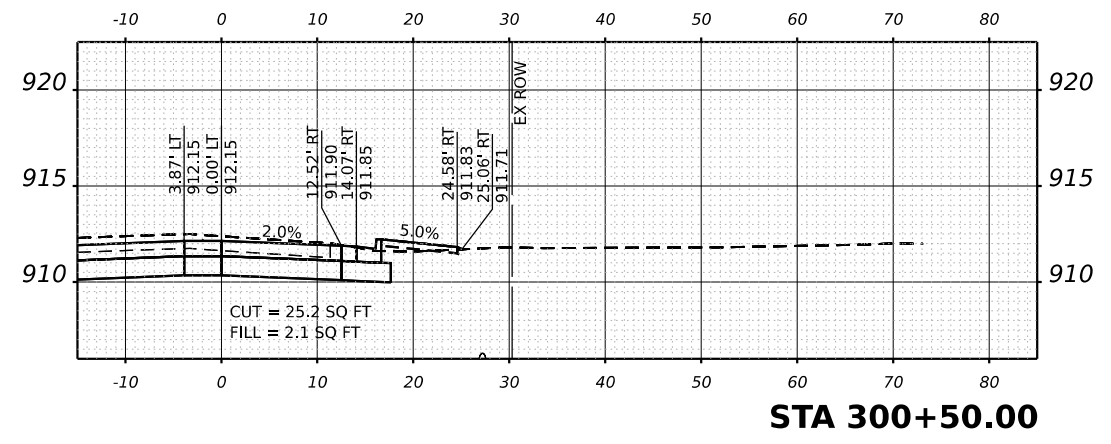
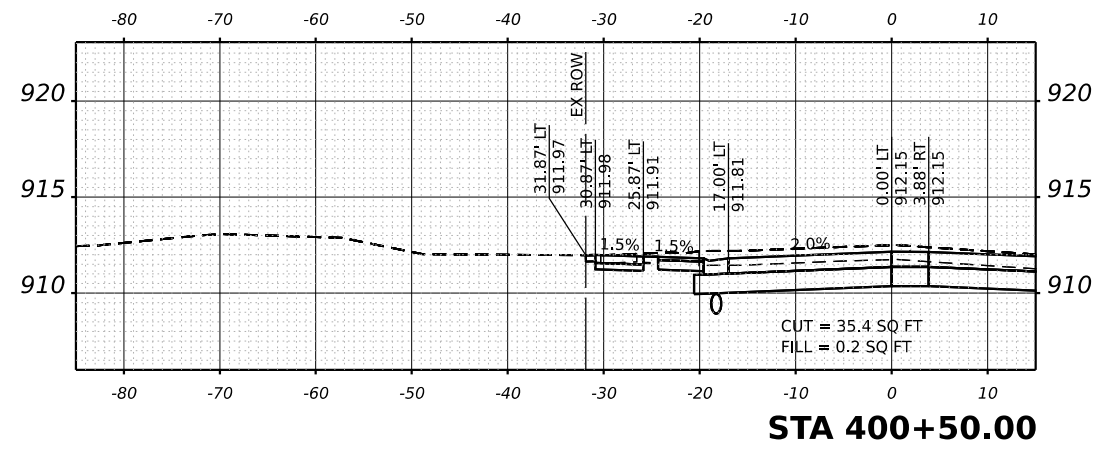
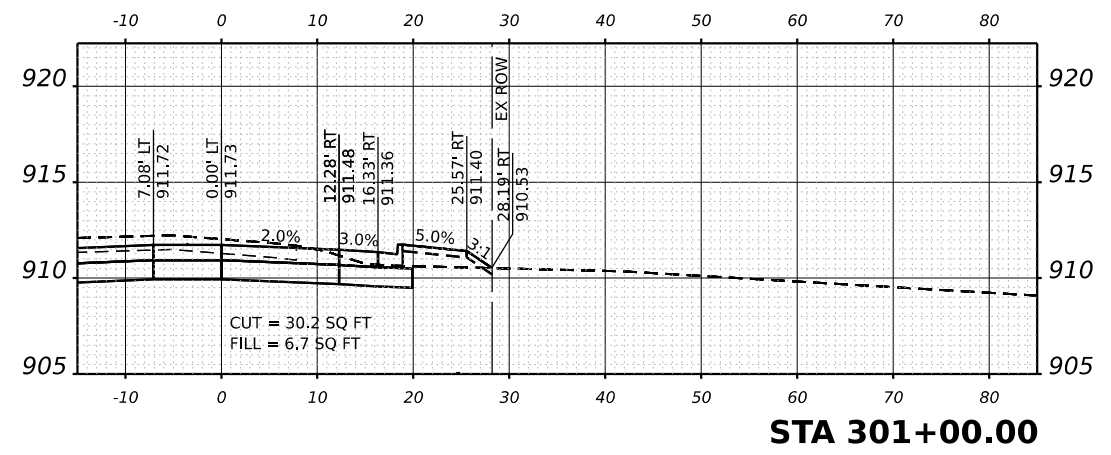
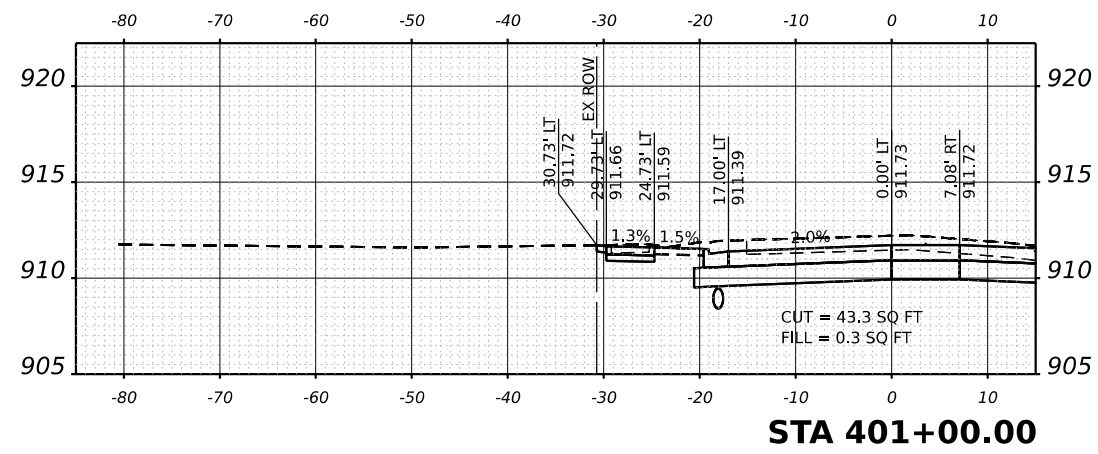
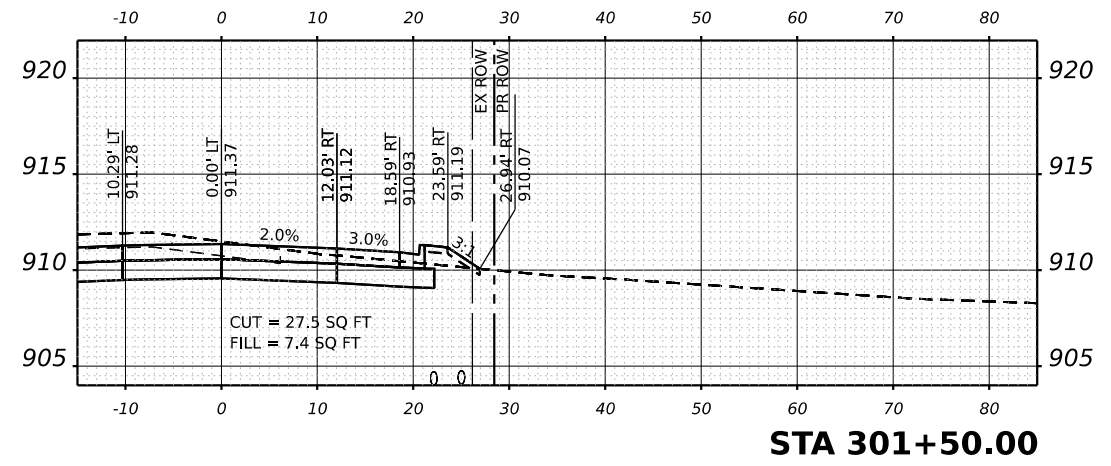
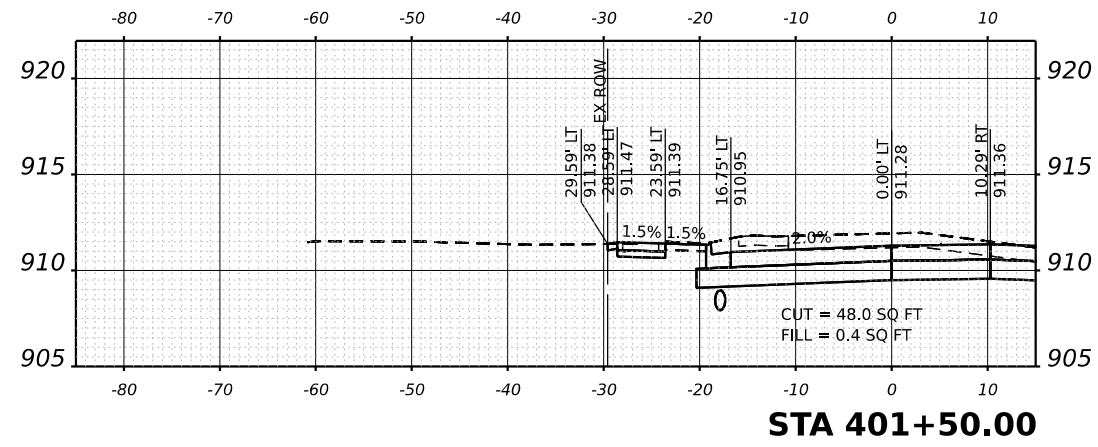
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



CROSS SECTIONS
 U.S. ROUTE 20 - WEST LEG

SHEET OF SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 104
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

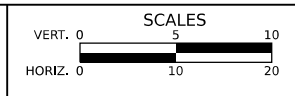


MODEL: Sheets
FILE NAME: C:\300b324 - US Rte 20 Roundabout\CAD\Sheets\21_x_west_top.dgn



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

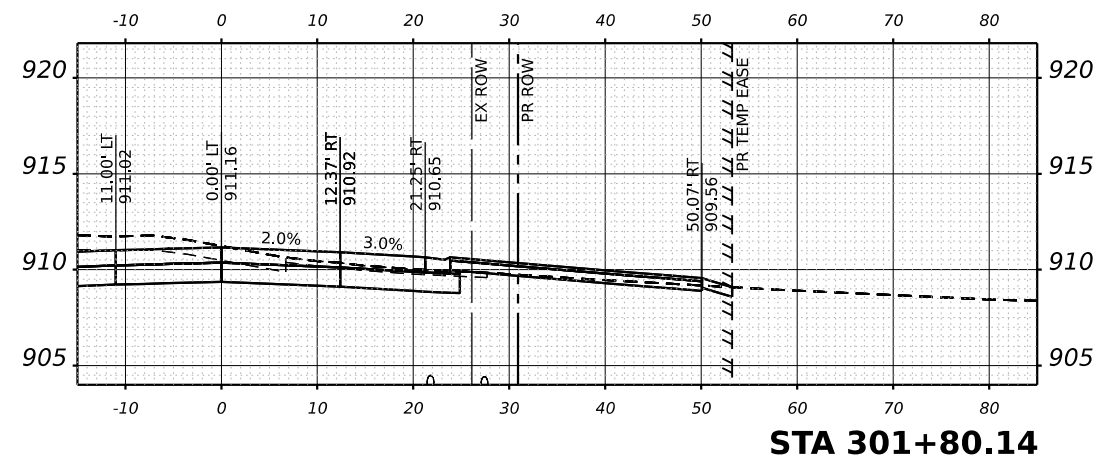
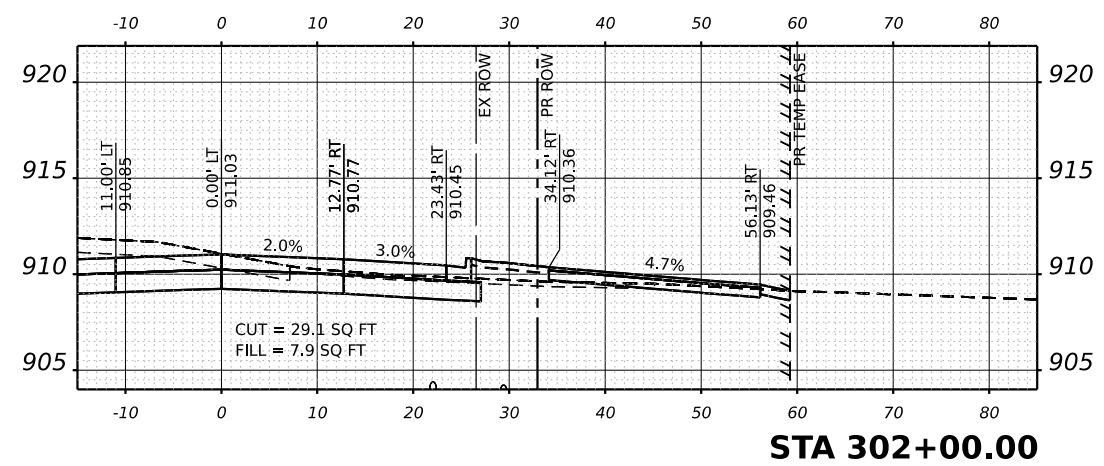
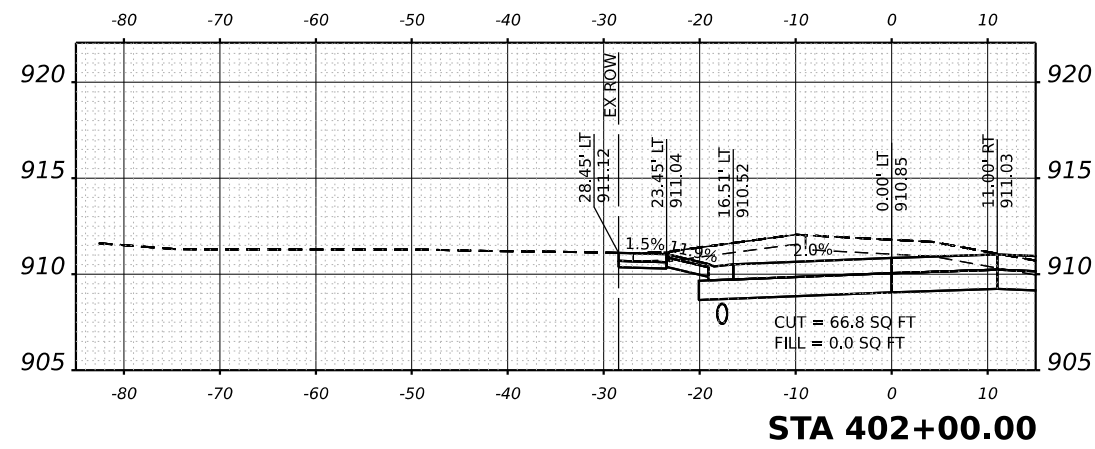
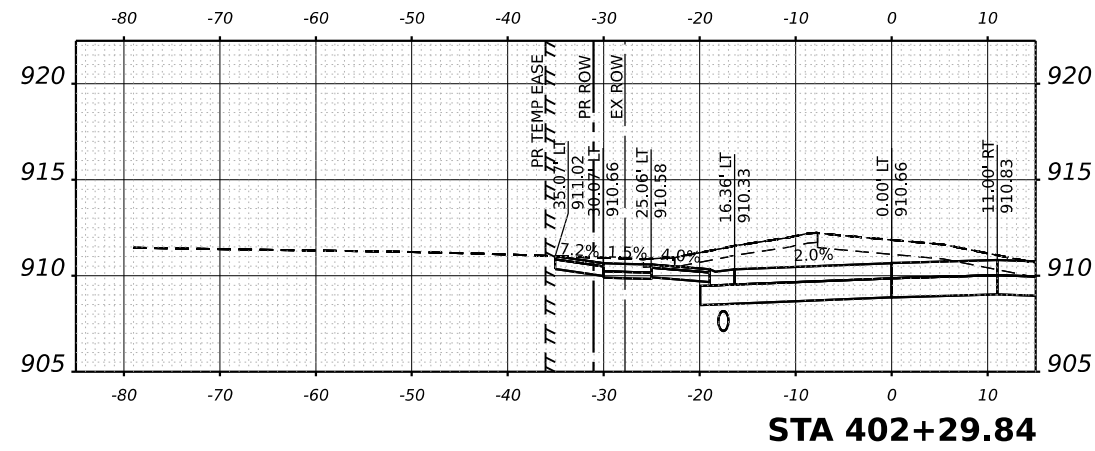
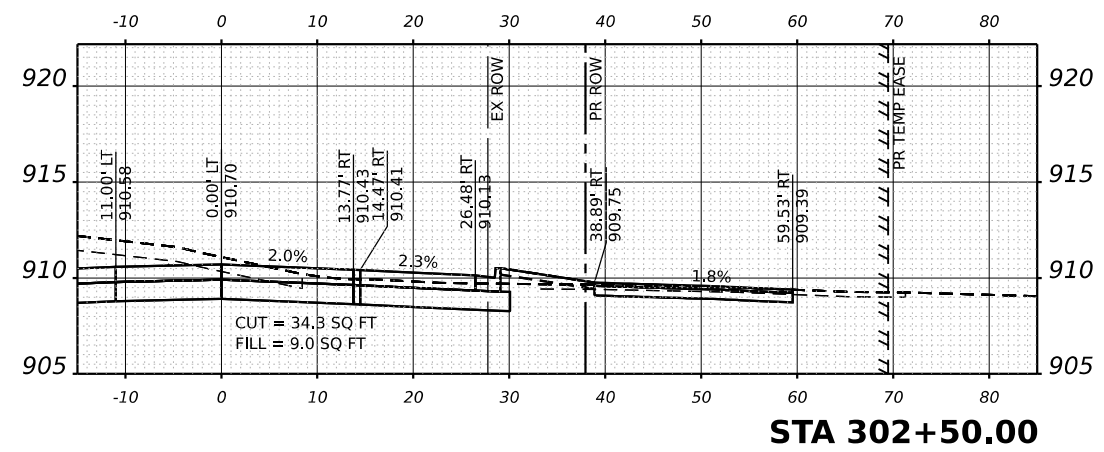
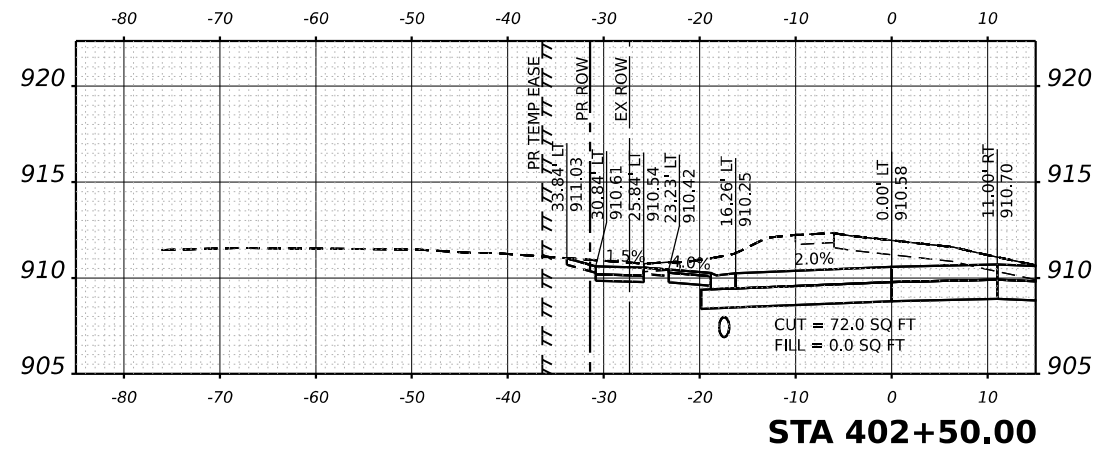
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**CROSS SECTIONS
U.S. ROUTE 20 - WEST LEG**

SHEET OF SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 105
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

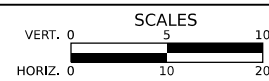


MODEL: Sheets
FILE NAME: C:\Roads\2014\US Rte 20 Roundabout\CAD\Sheets\21_x_west leg.dgn



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

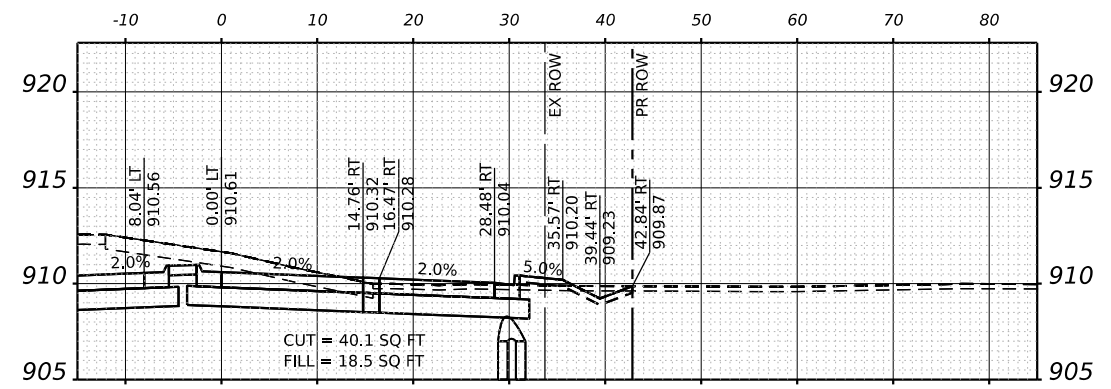
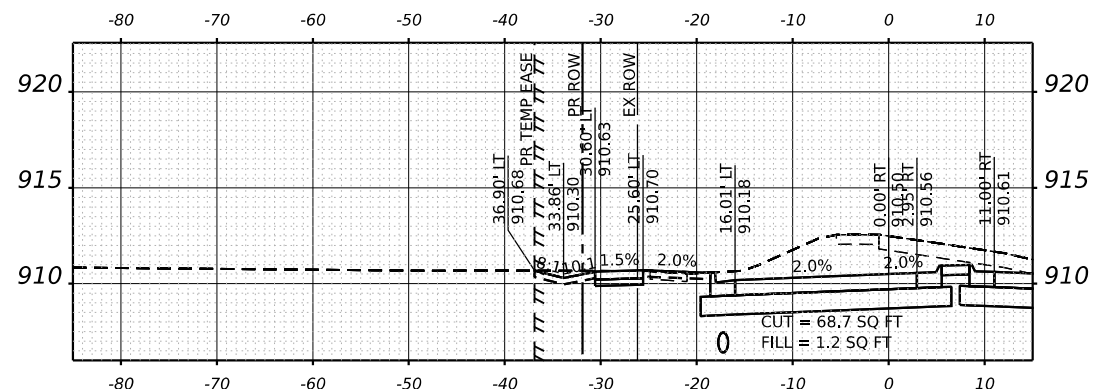
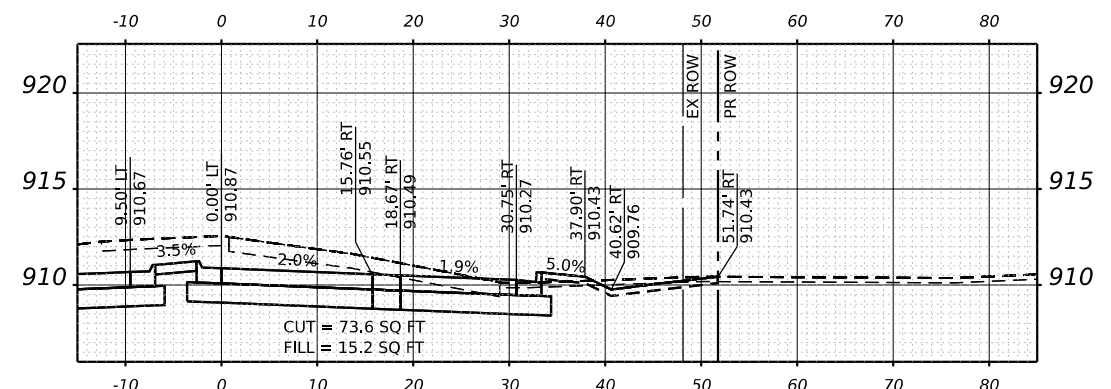
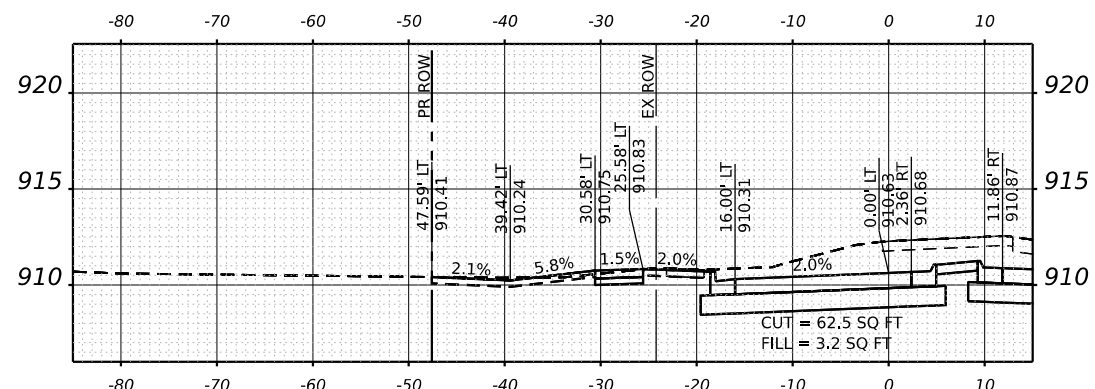
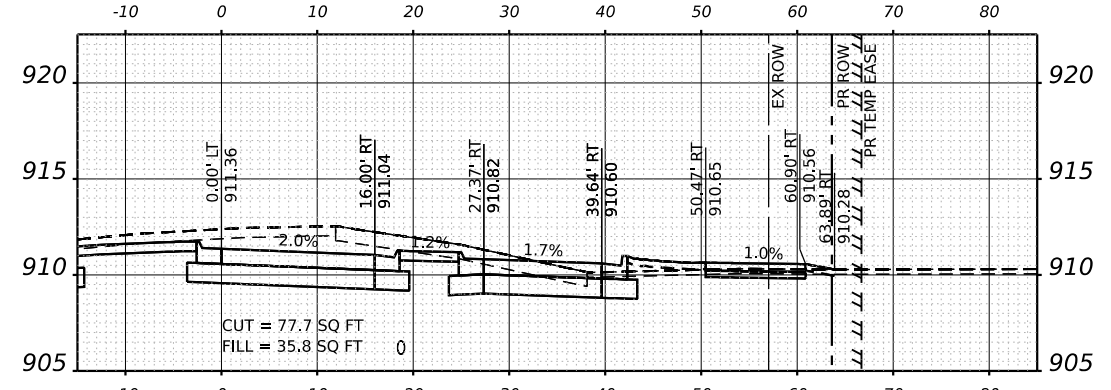
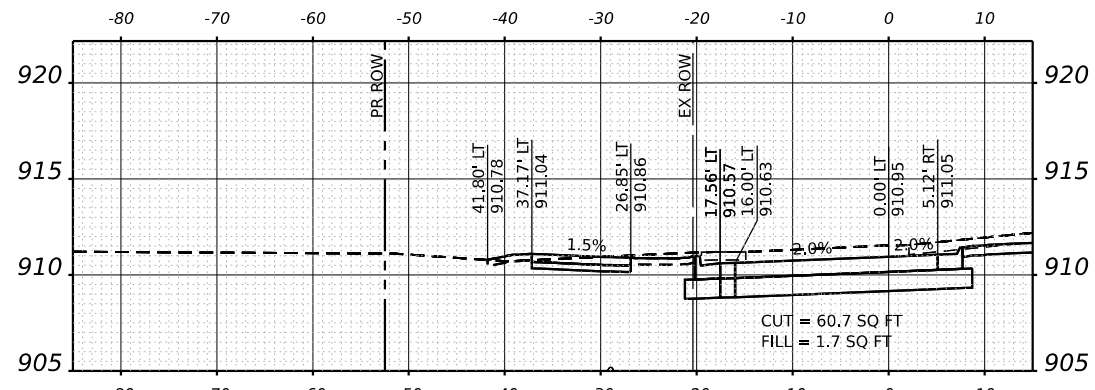
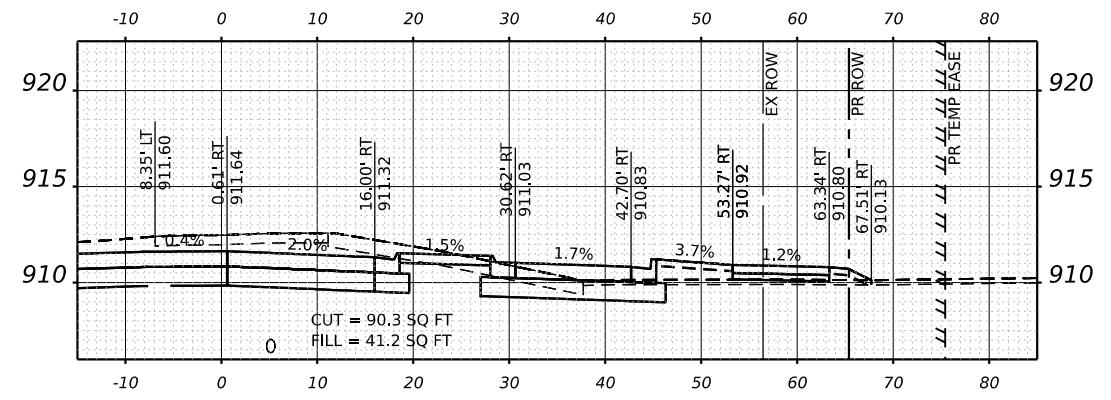
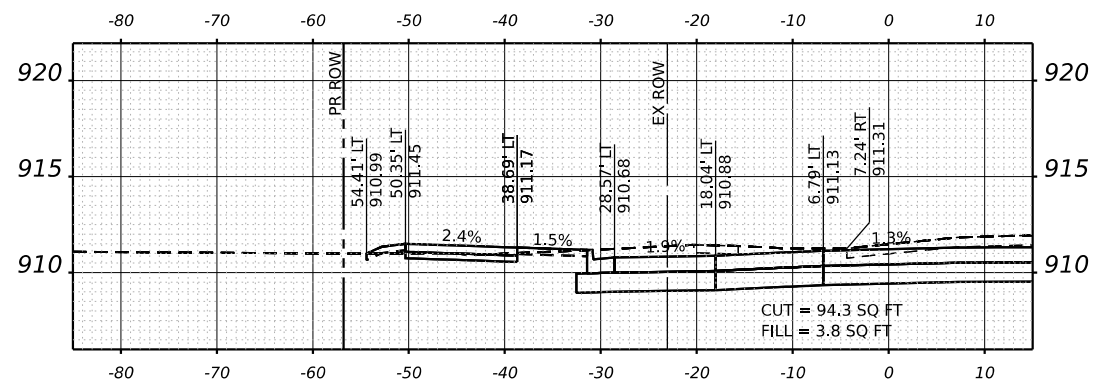
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



CROSS SECTIONS
U.S. ROUTE 20 - WEST LEG

SHEET OF SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 106
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

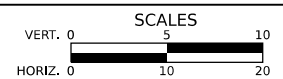


MODEL: Sheets
FILE NAME: C:\Roads\20\Roundabout\CAD\Sheets\21_x_west.fgs.dgn



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

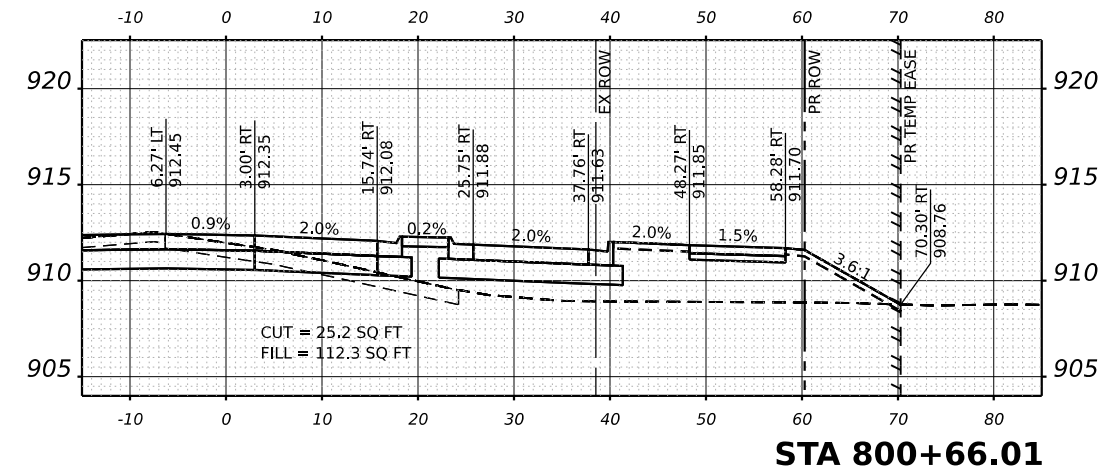
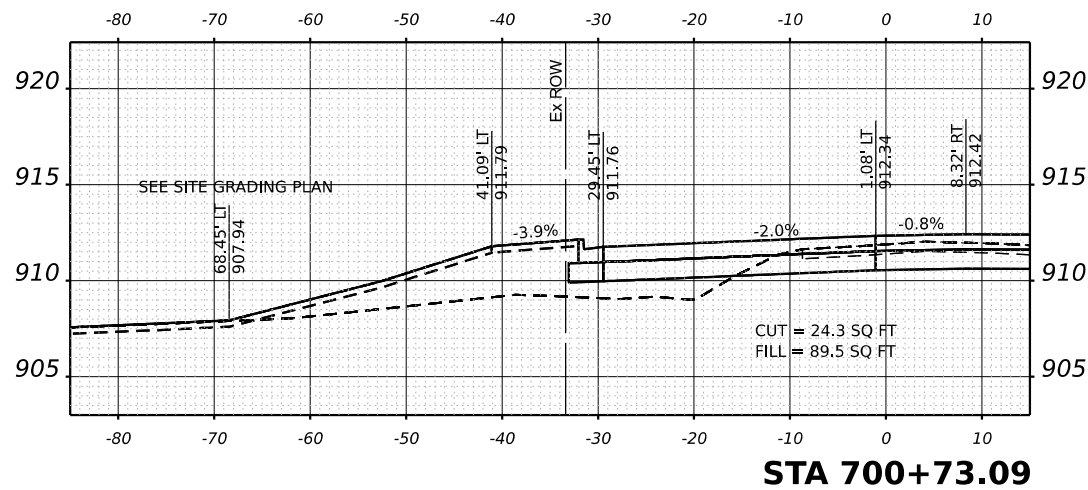
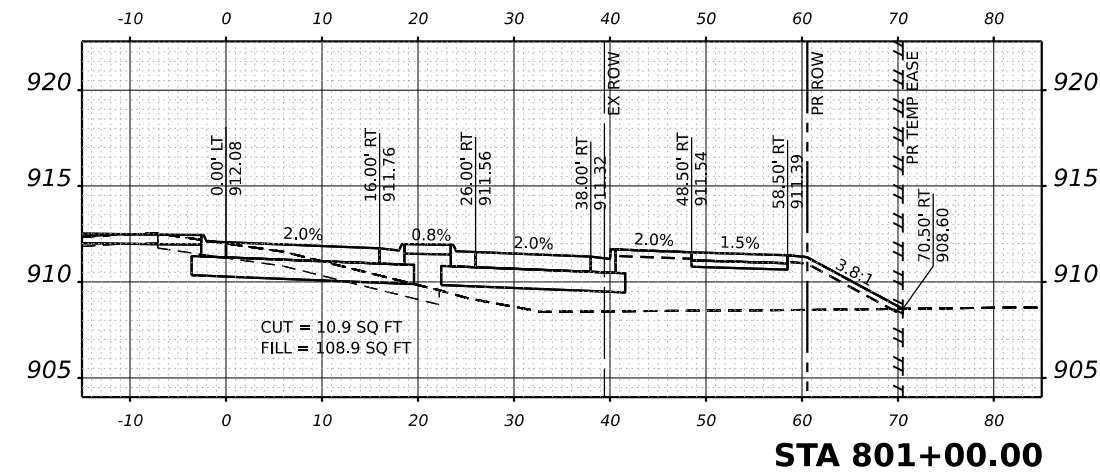
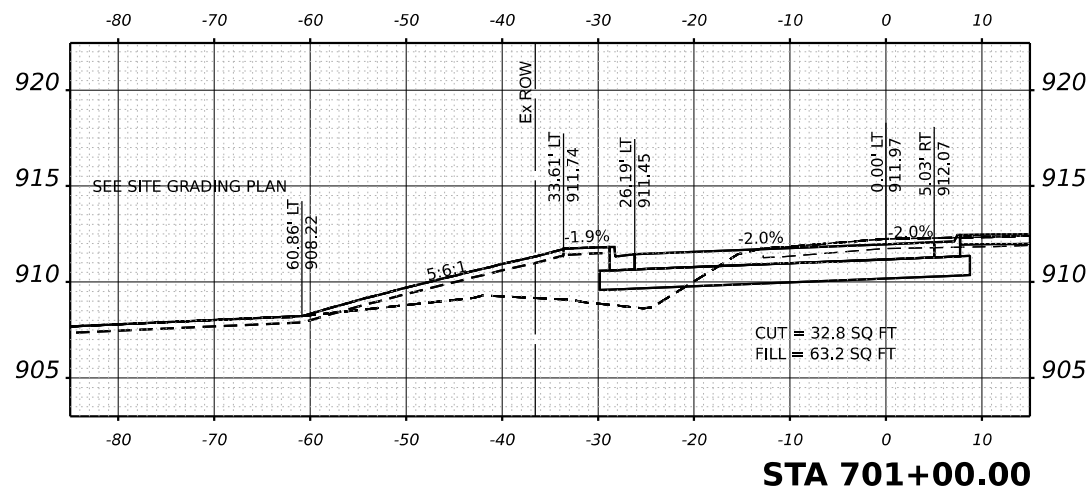
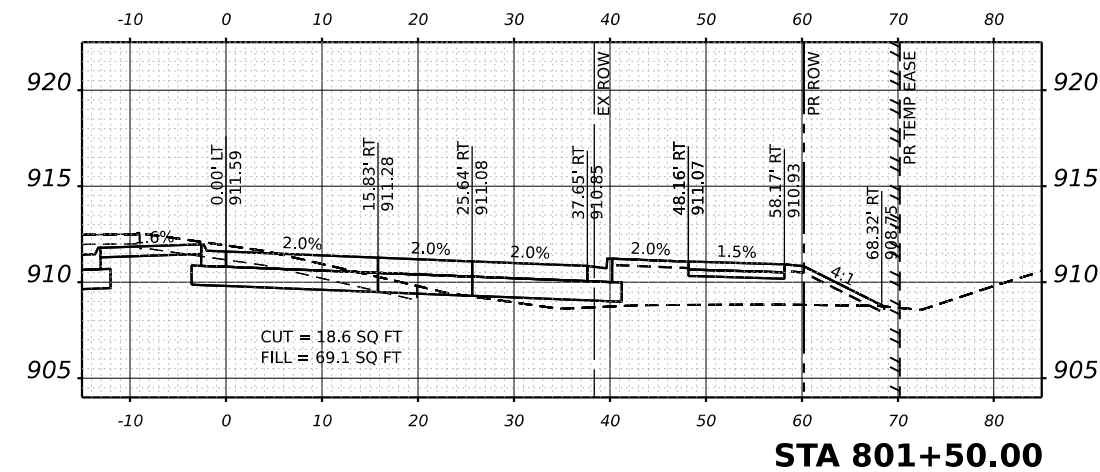
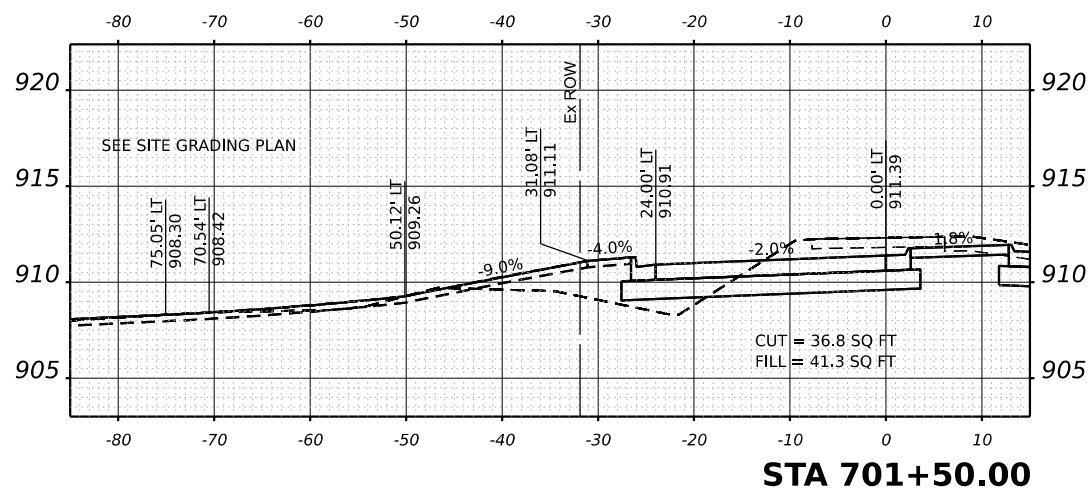
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



CROSS SECTIONS
U.S. ROUTE 20 - WEST LEG

SHEET OF SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 107
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

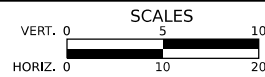


MODEL: Sheets
FILE NAME: C:\Roads\20\Roundabout\CAD\Sheets\21_south leg.dgn



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

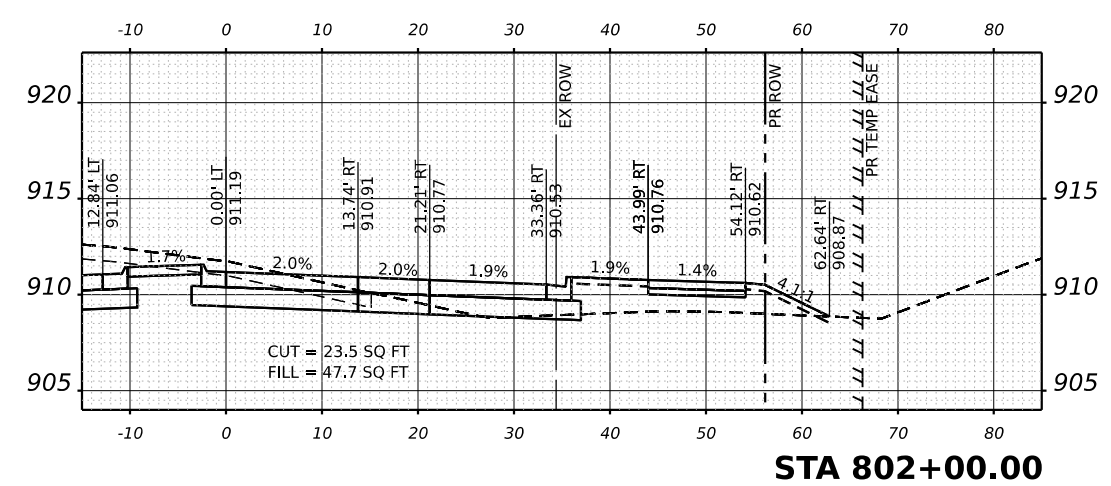
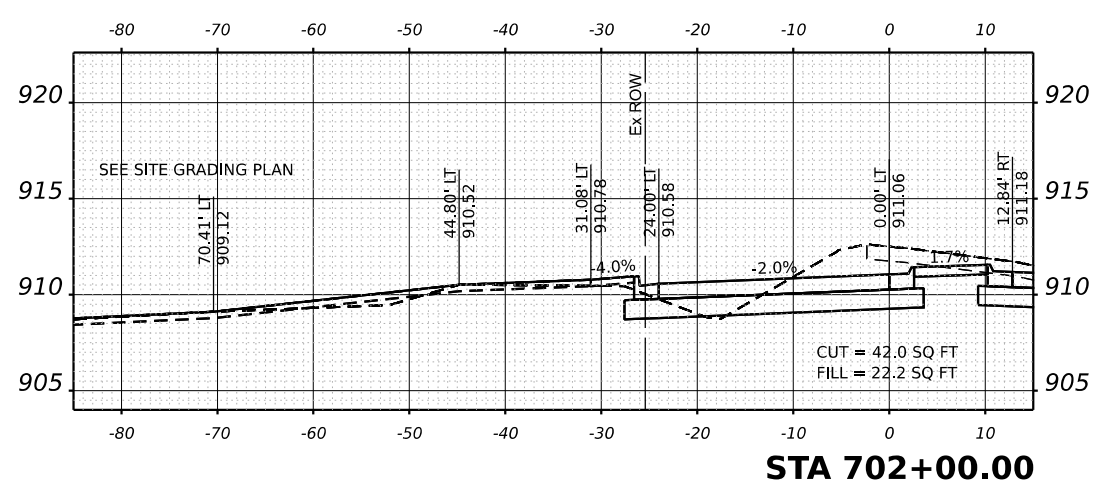
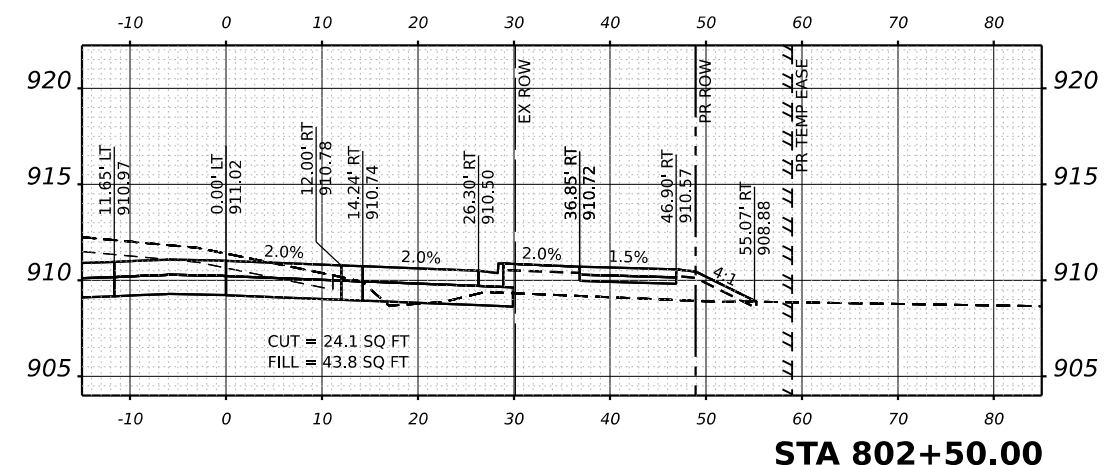
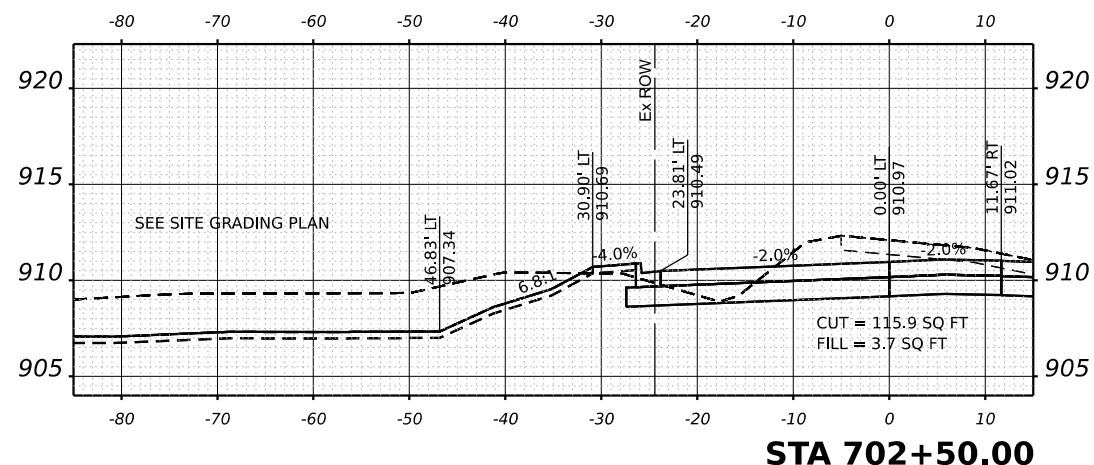
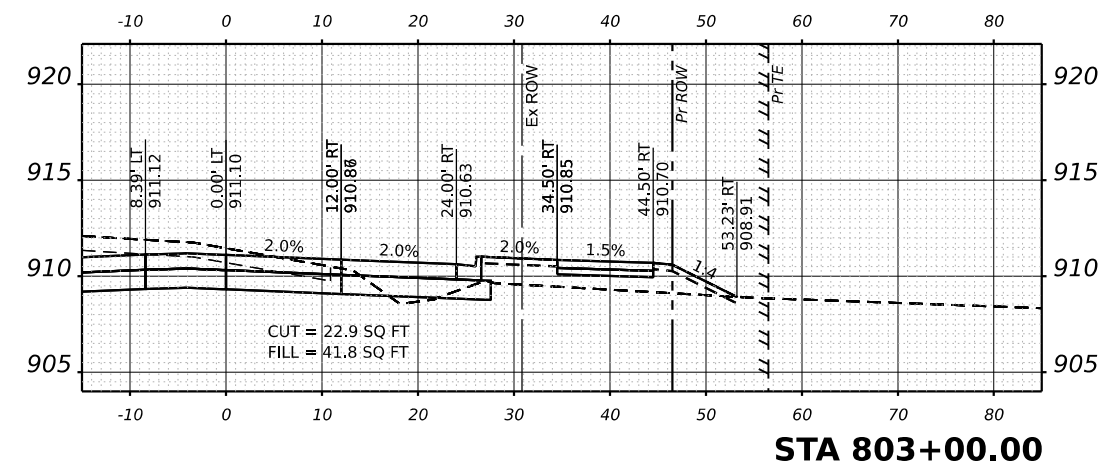
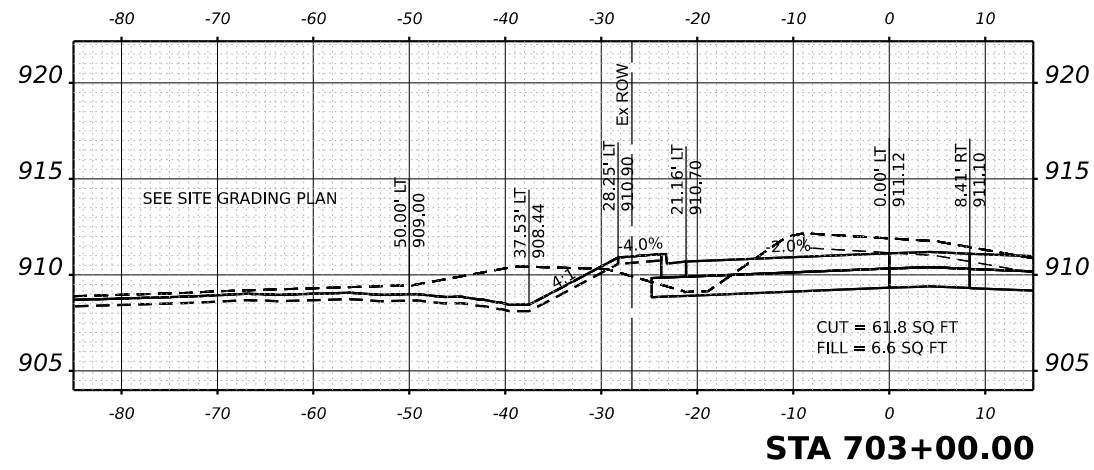
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



CROSS SECTIONS
U.S. ROUTE 20 - SOUTH LEG

SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 108
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

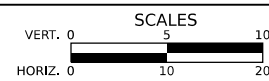


MODEL: Sheets
FILE NAME: C:\Rob\2024\20 US Rte 20 Roundabout\CAD\Sheets\21_south leg.dgn



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

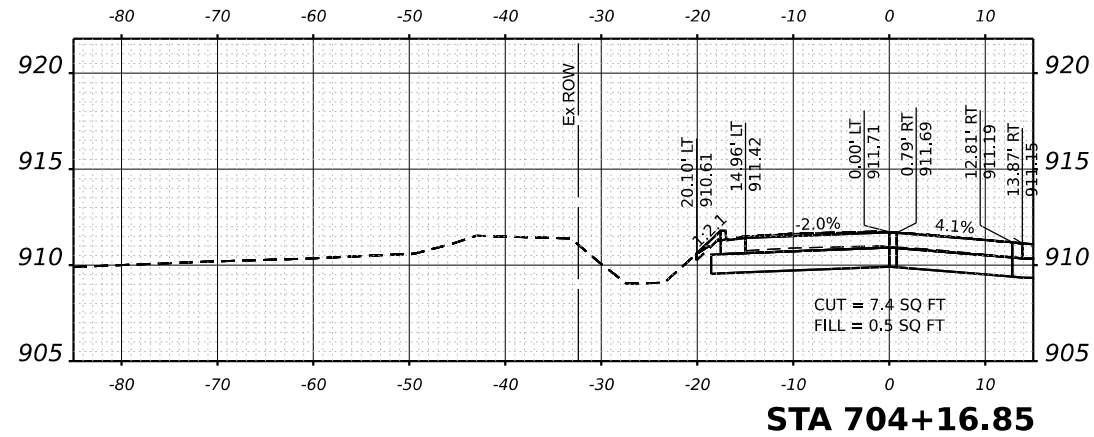
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



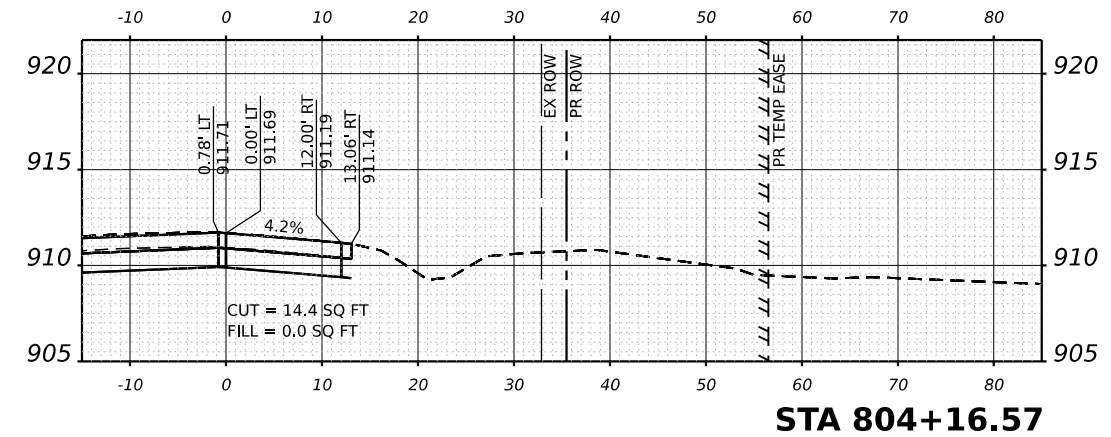
CROSS SECTIONS
U.S. ROUTE 20 - SOUTH LEG

SHEET OF SHEETS STA. TO STA.

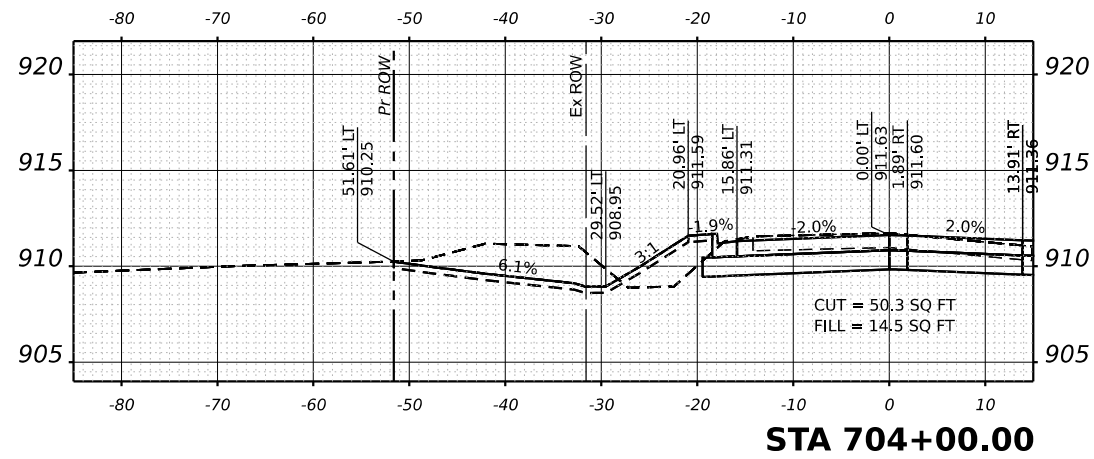
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CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



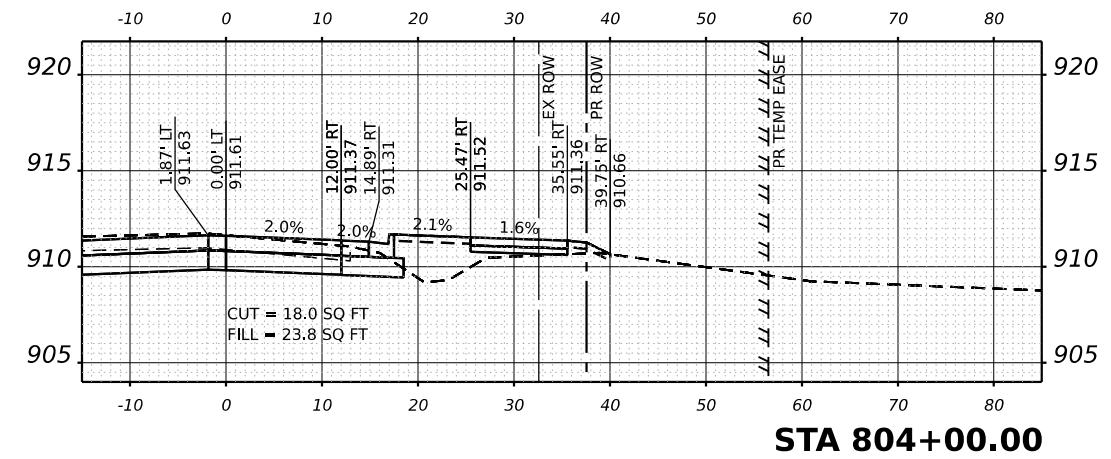
STA 704+16.85



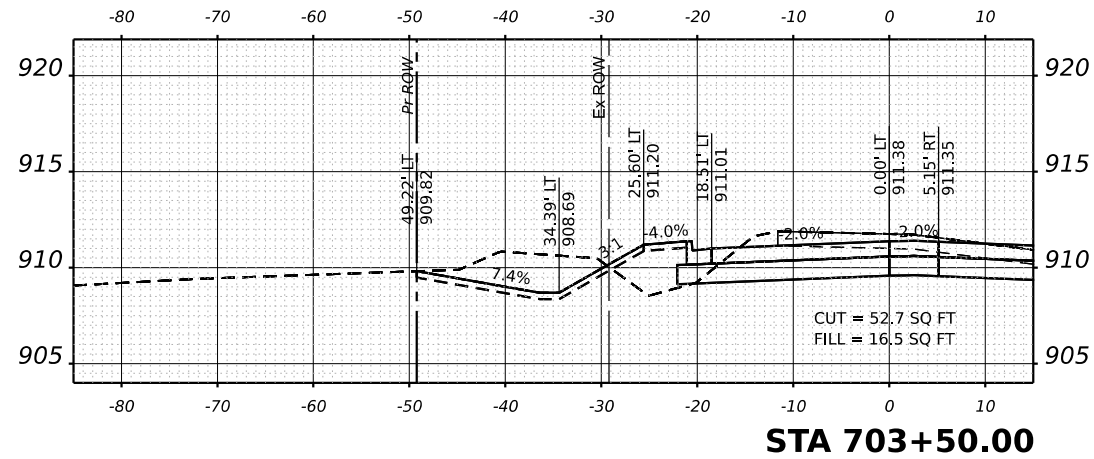
STA 804+16.57



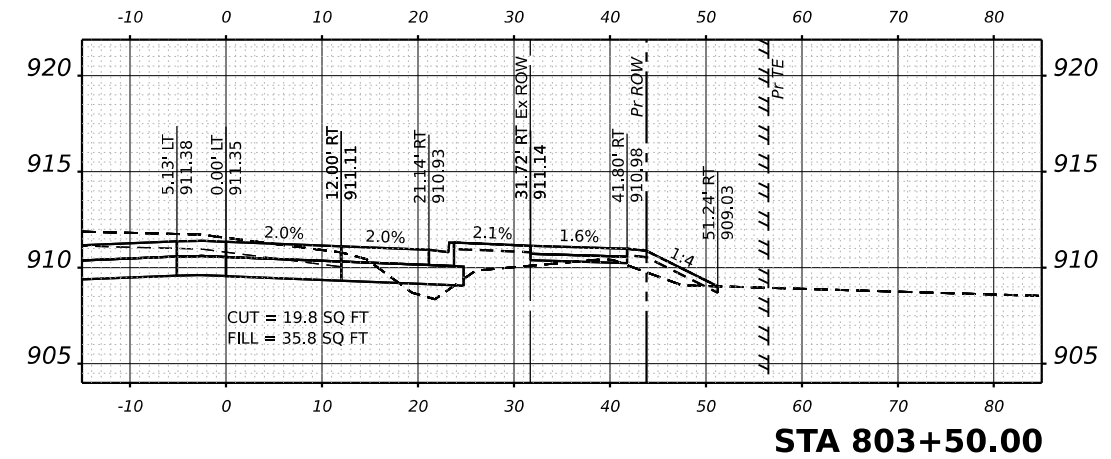
STA 704+00.00



STA 804+00.00



STA 703+50.00



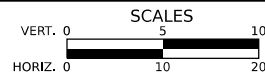
STA 803+50.00

MODEL SHEETS
FILE NAME: C:\Roads\2014\US Rte 20 Roundabout\CAD\Sheets\21_south leg.dgn



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

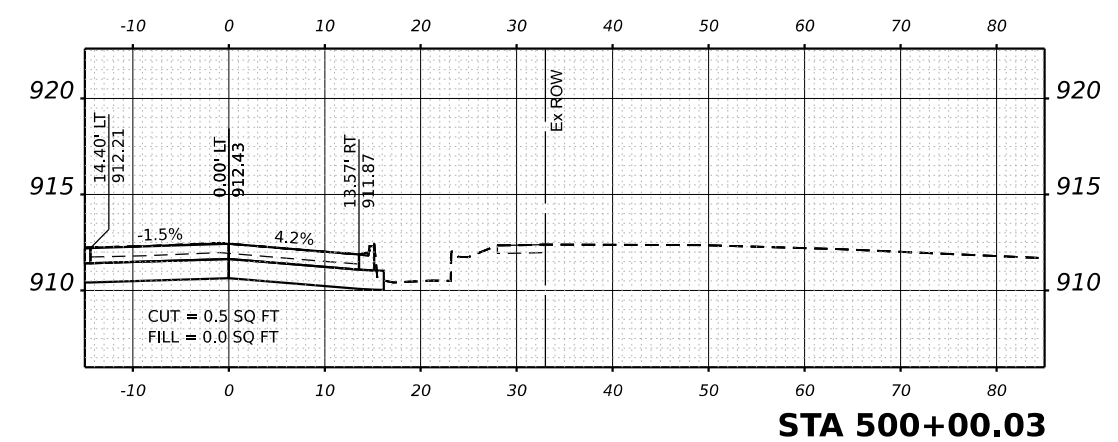
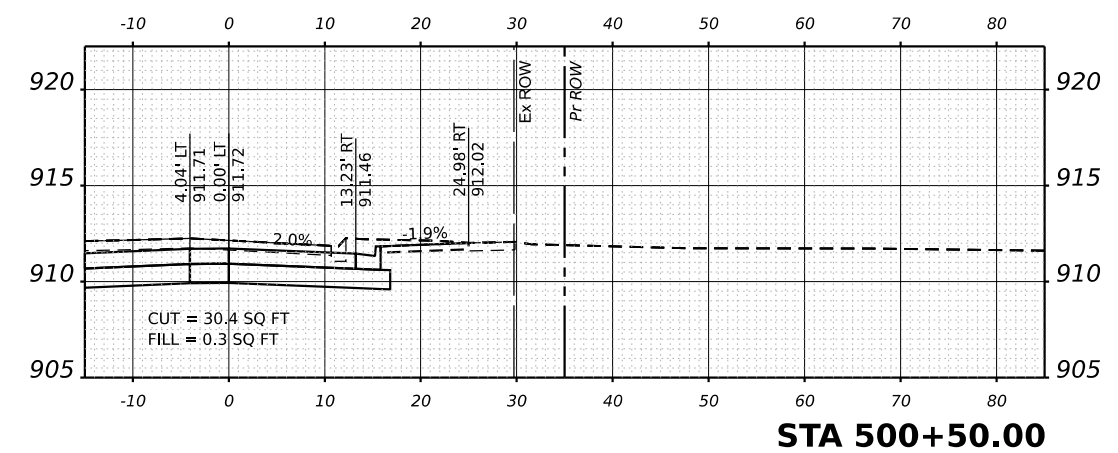
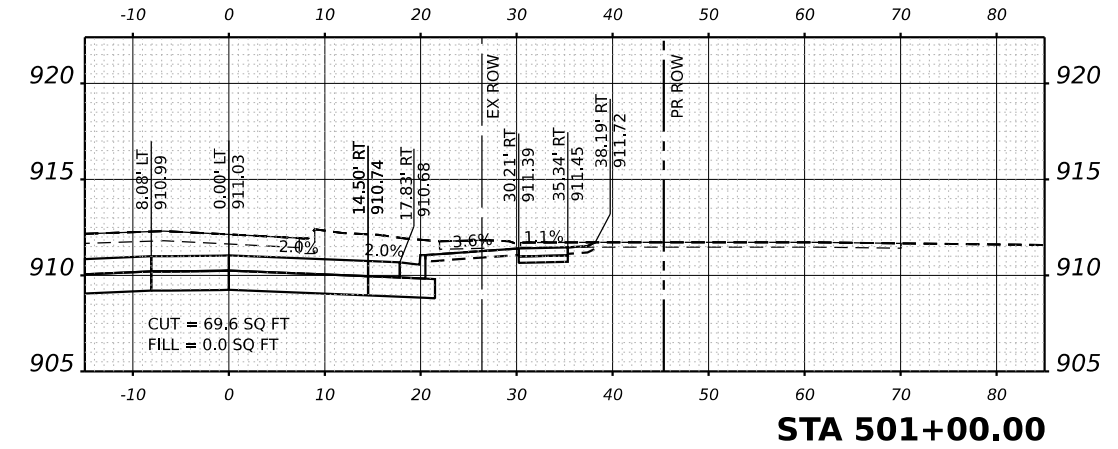
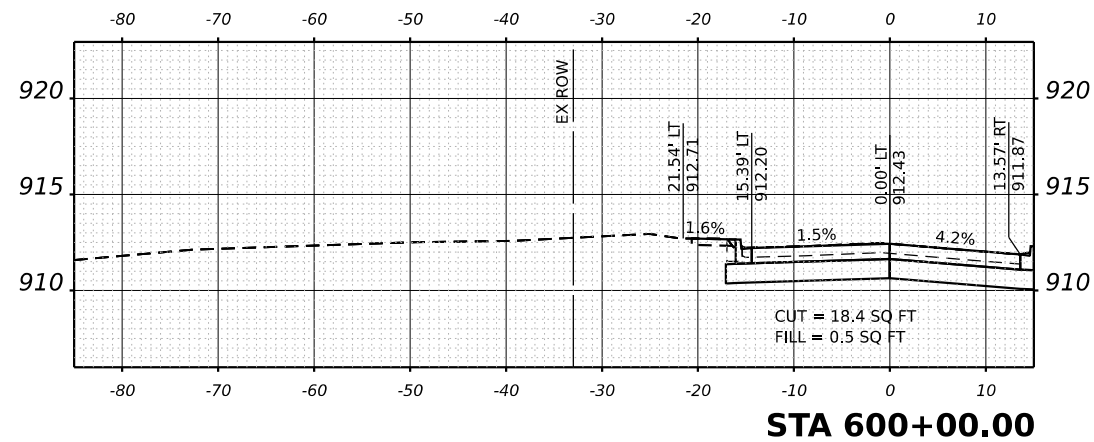
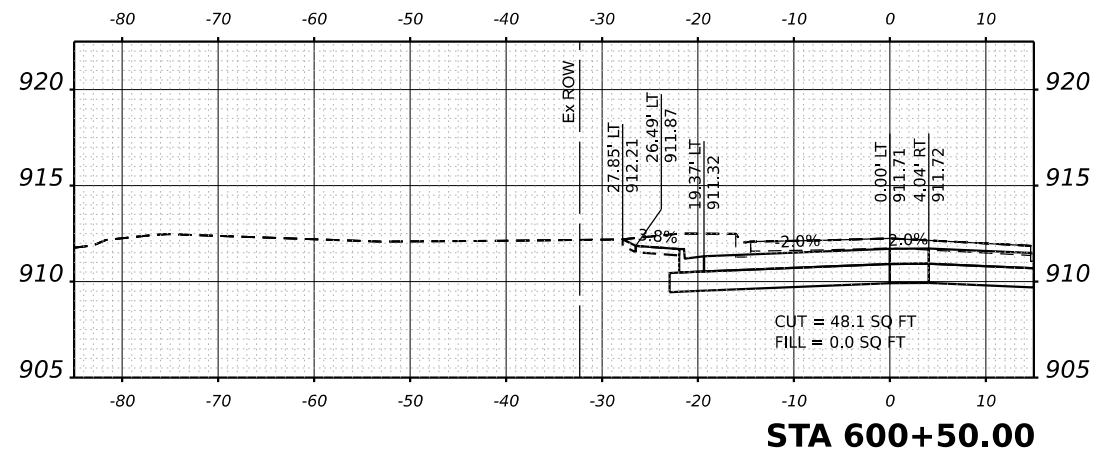
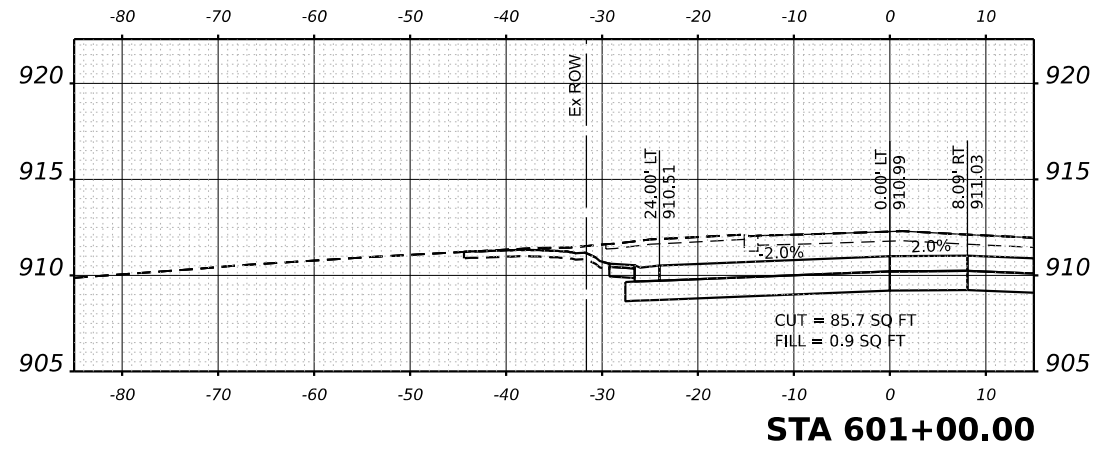
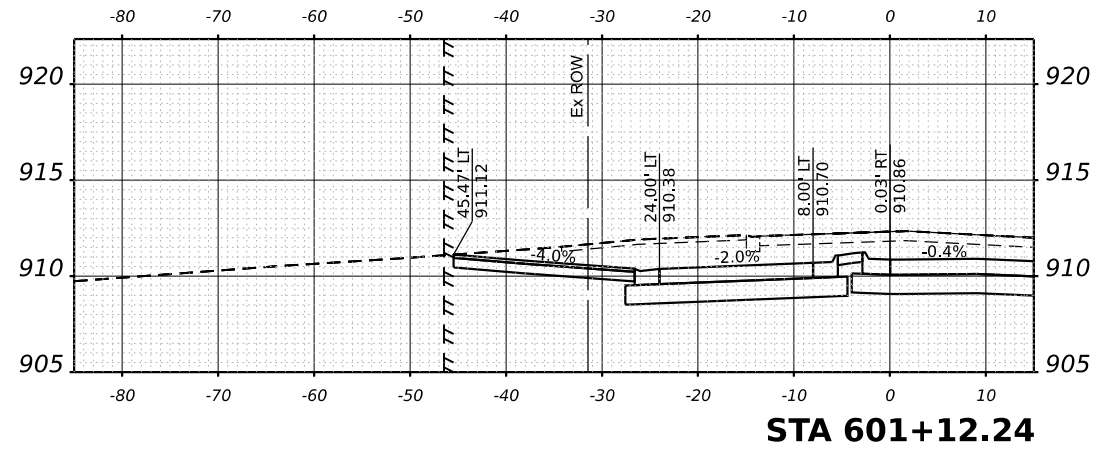
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**CROSS SECTIONS
U.S. ROUTE 20 - SOUTH LEG**

SHEET OF SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 110
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

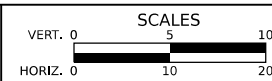


MODEL SHEETS
FILE NAME: C:\30303214-US Rte 20 Roundabout\CAD\Sheets\21_45_north leg.dgn



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**CROSS SECTIONS
REINKING ROAD**

SHEET OF SHEETS STA. TO STA.

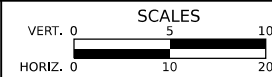
F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 111
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MODEL: Sheets
 FILE NAME: C:\Roads\2014\US Rte 20 Roundabout\CAD\Sheets\21_x5_north leg.dgn



DESIGNED -	TGB	REVISED -	
DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE	2/14/2024	REVISED -	

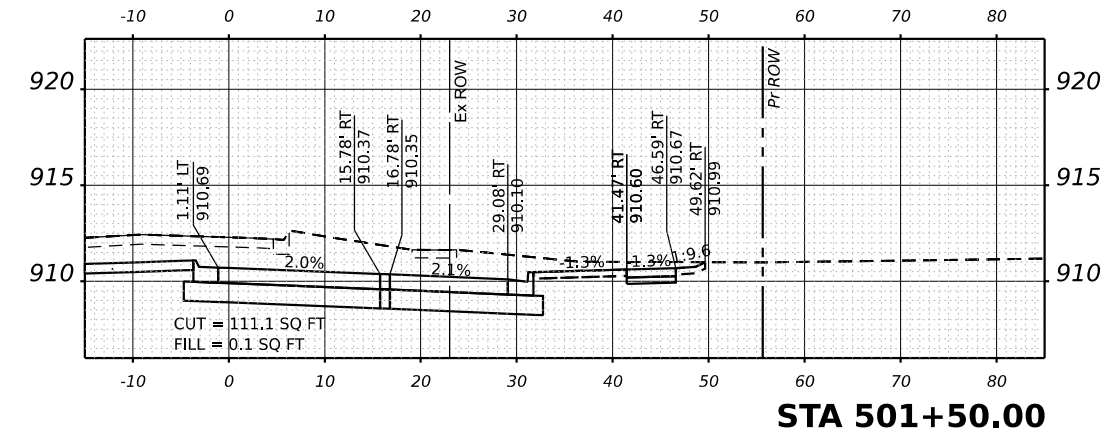
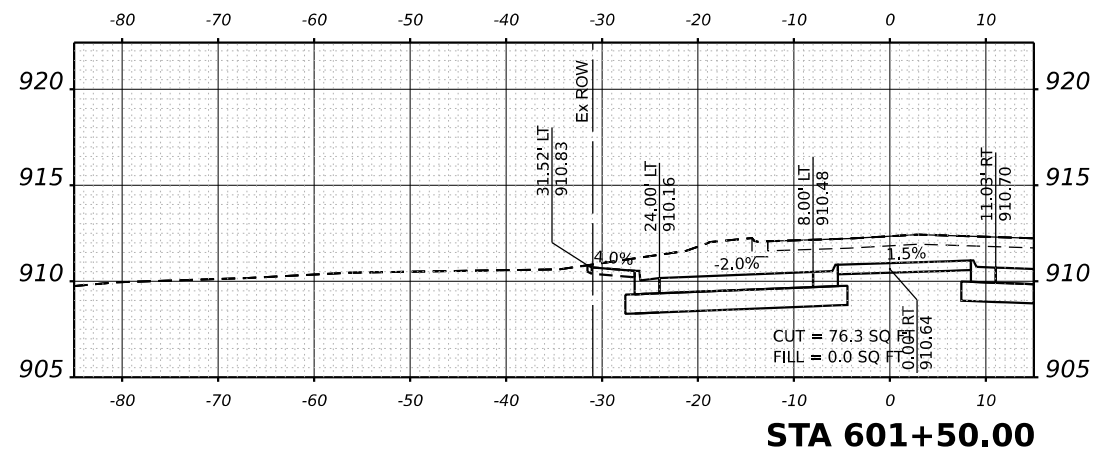
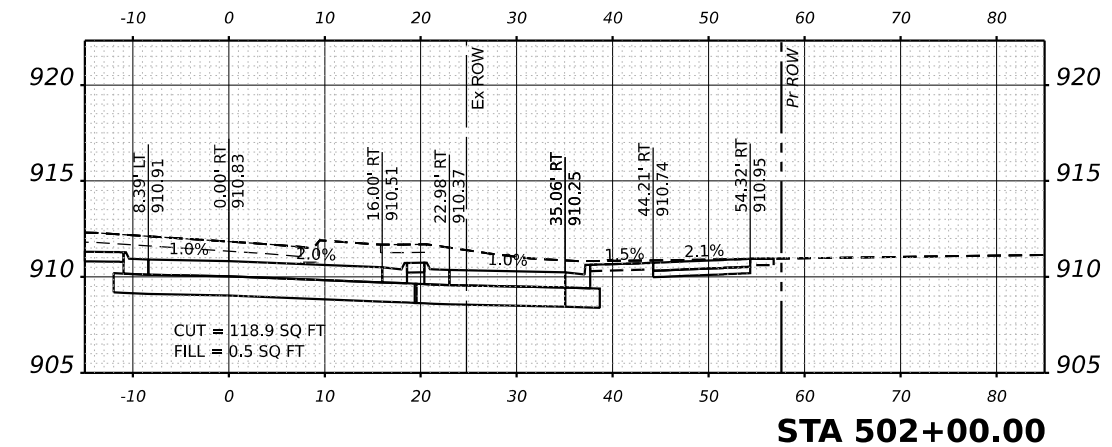
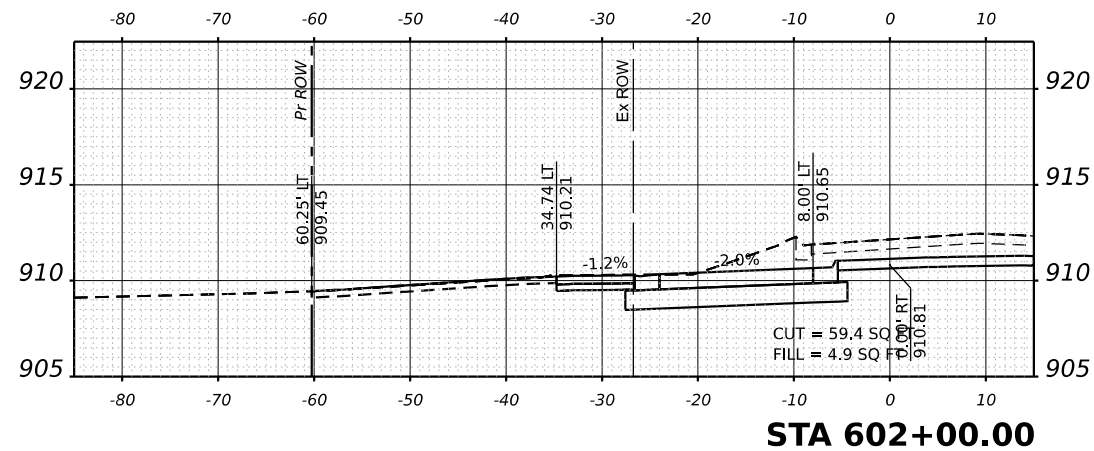
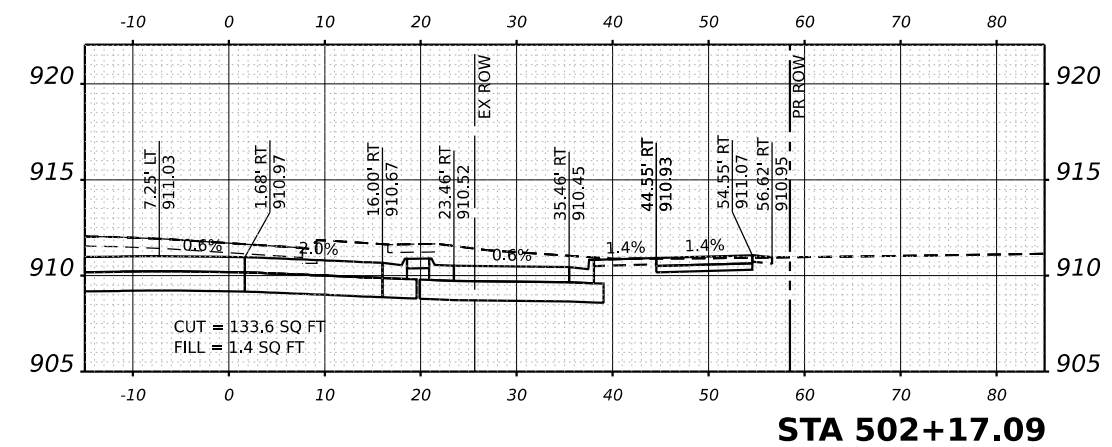
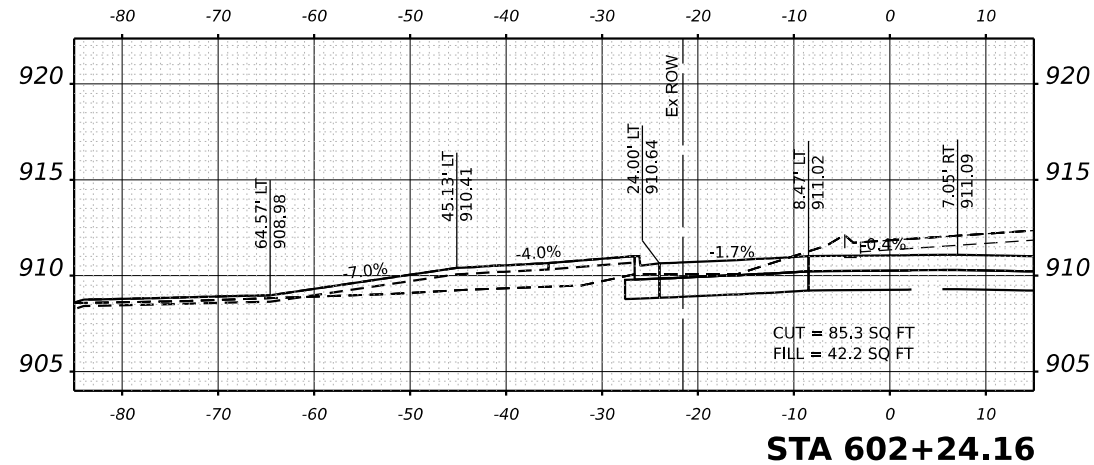
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

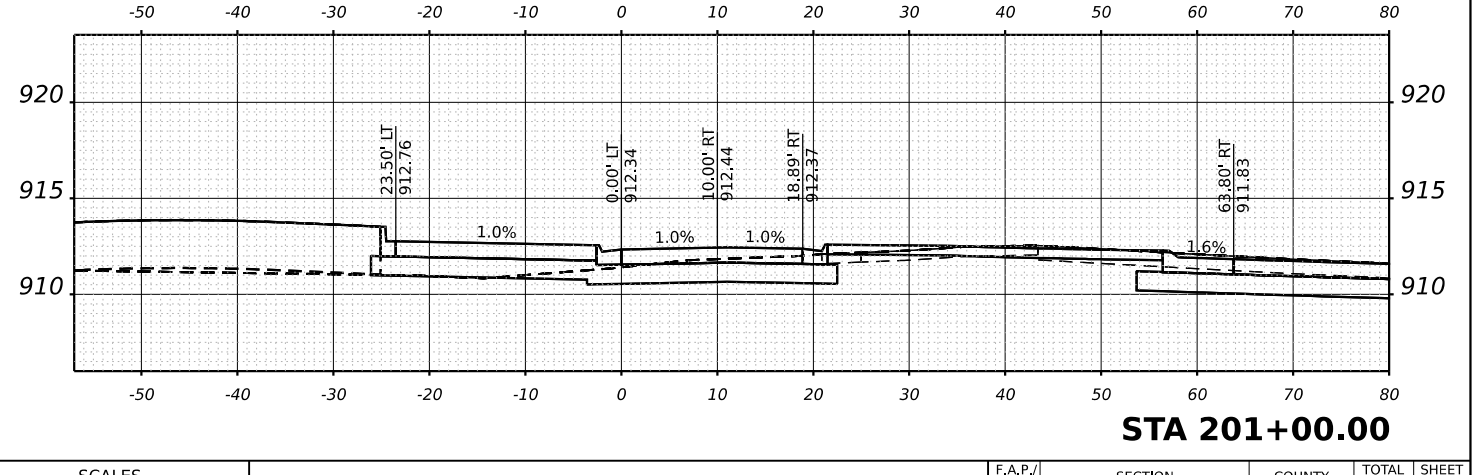
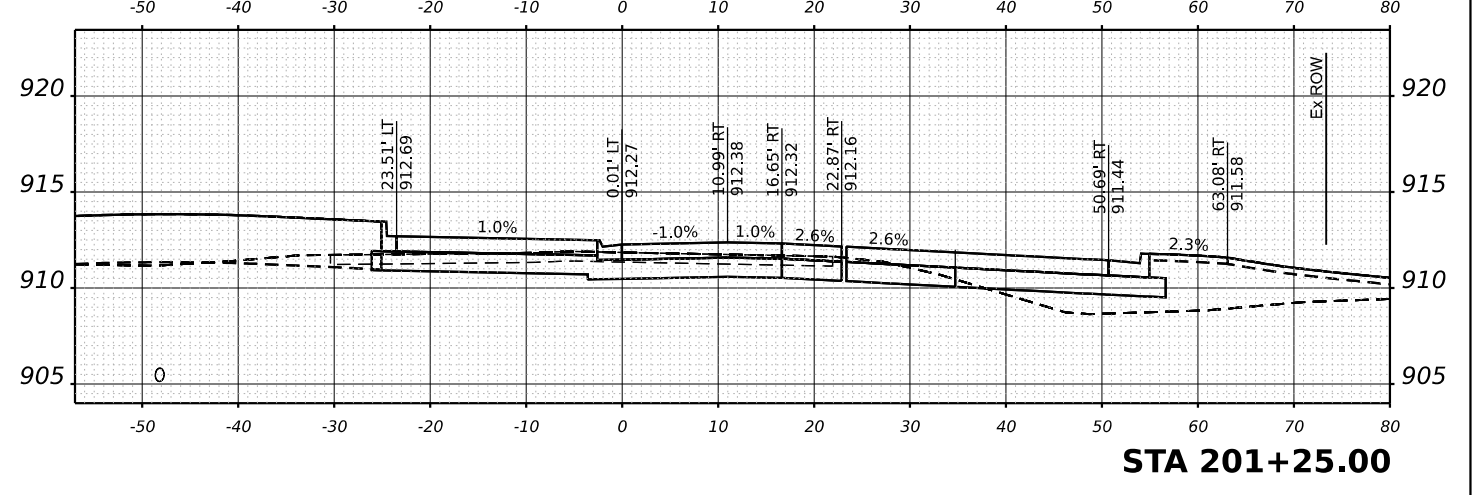
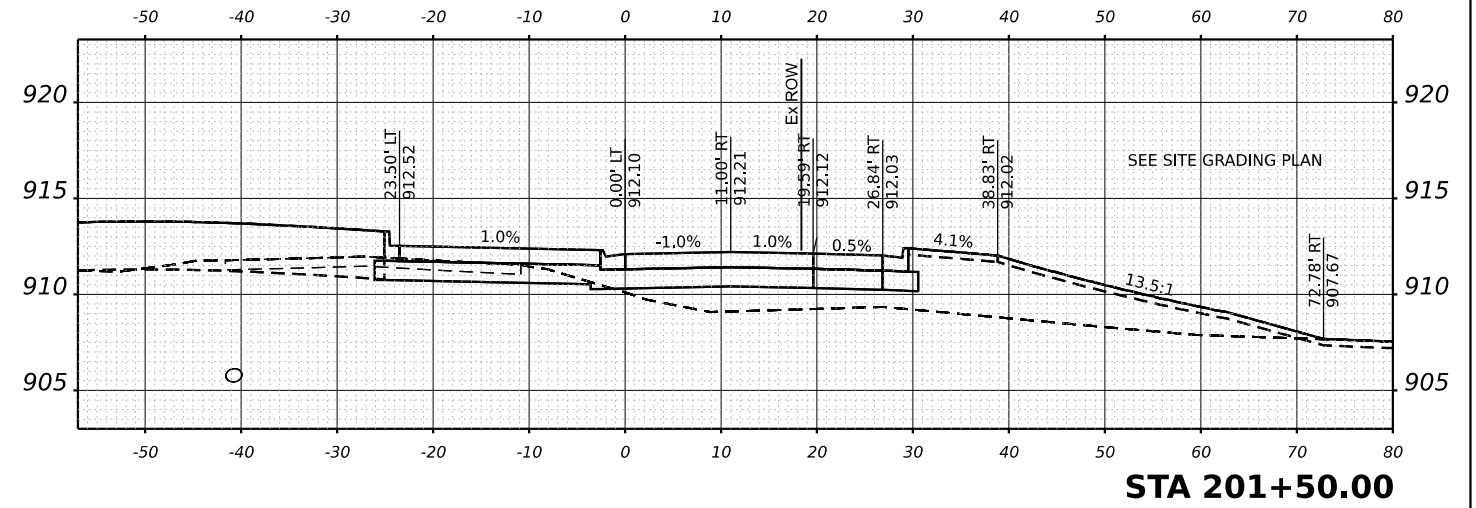
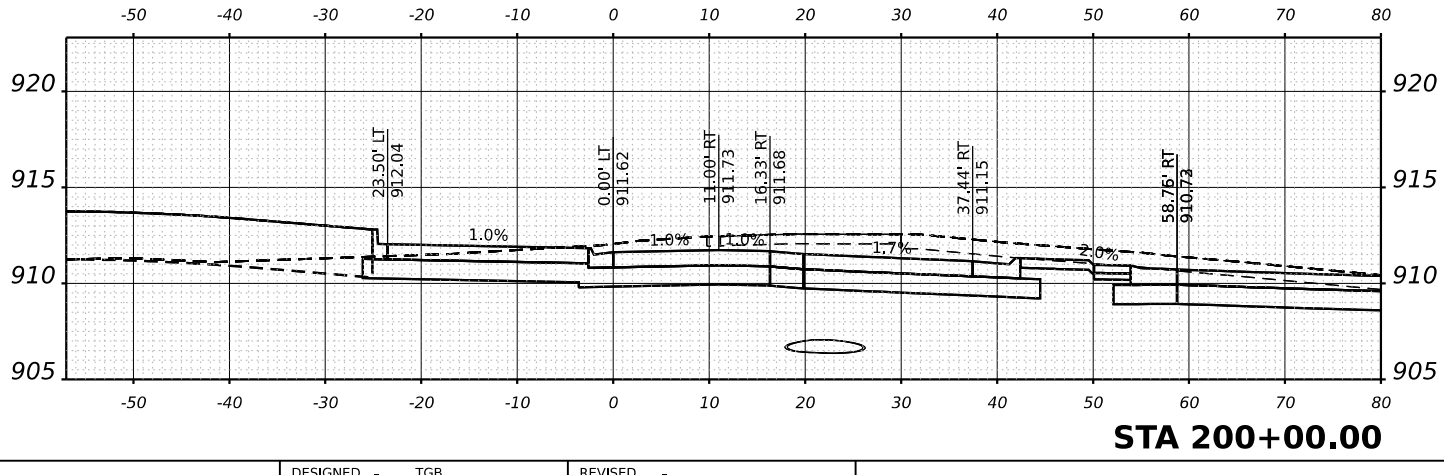
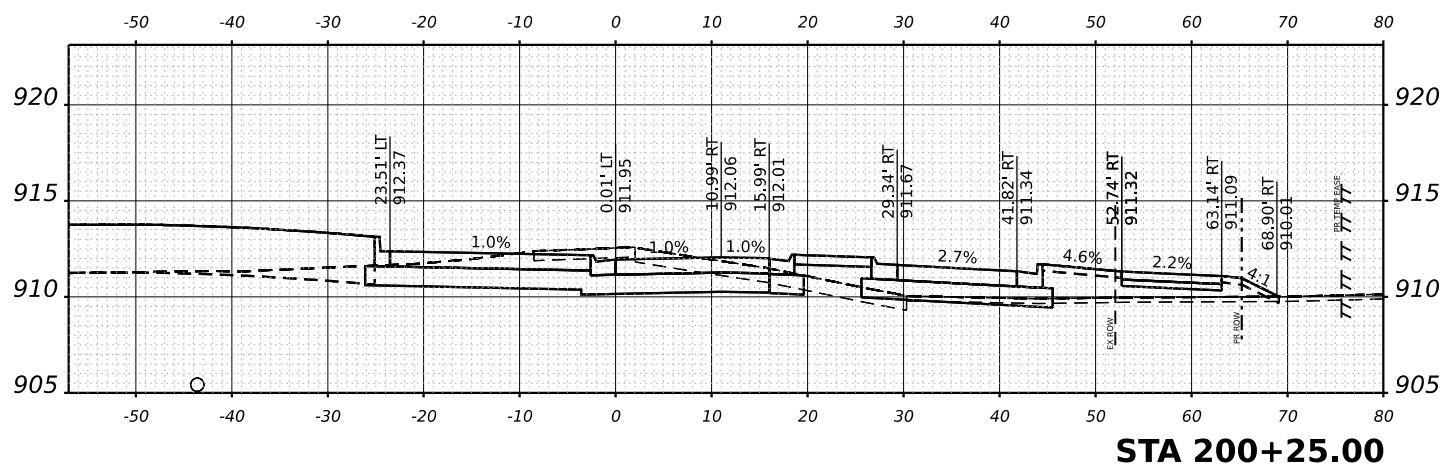
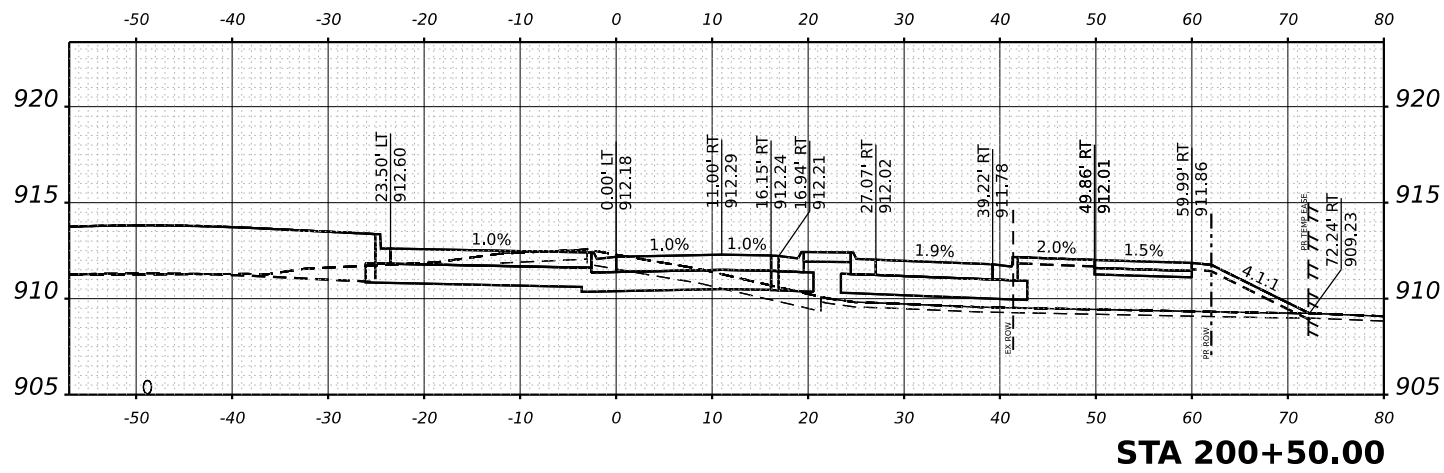
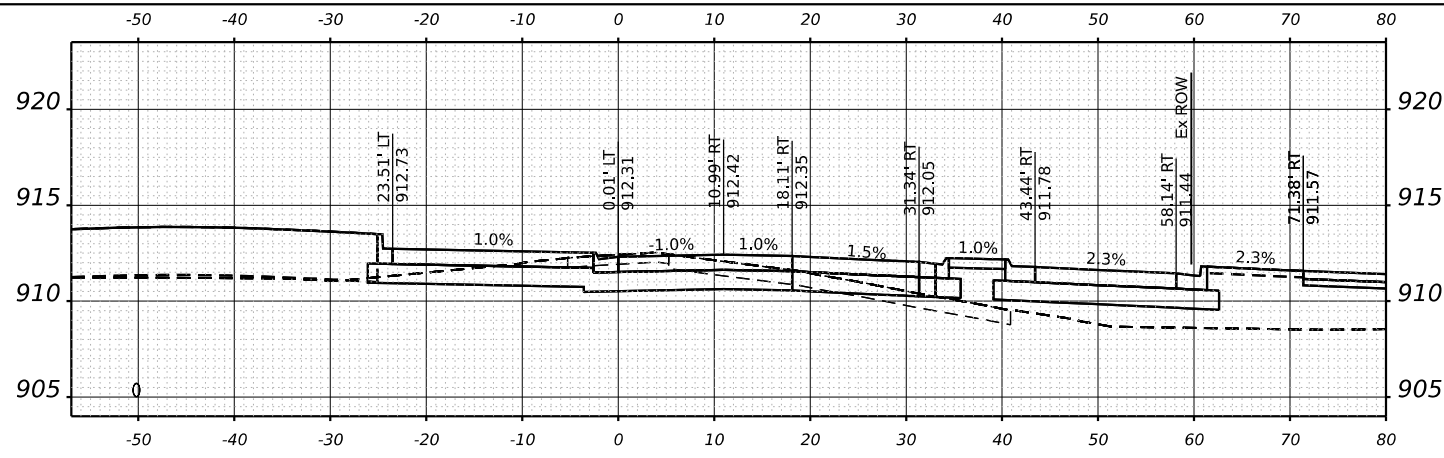


**CROSS SECTIONS
 REINKING ROAD**

SHEET OF SHEETS STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 112
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



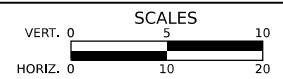


MODEL SHEETS
FILE NAME: C:\Projects\24- US Rte 20 Roundabout\CAD\Sheets\21_x_center.dgn



DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



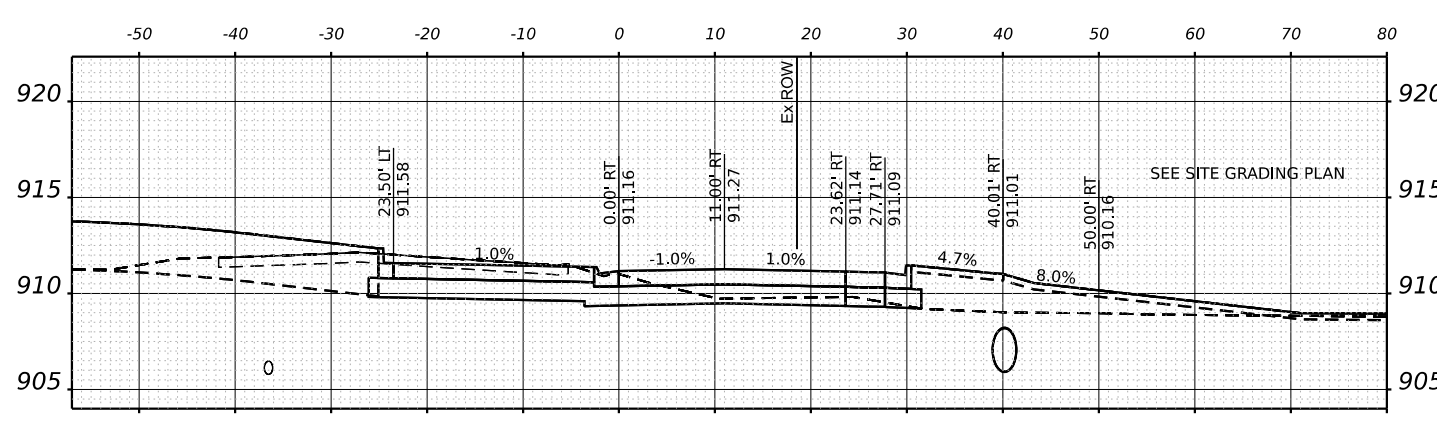
CROSS SECTIONS
CENTER LANE

SHEET OF SHEETS STA. TO STA.

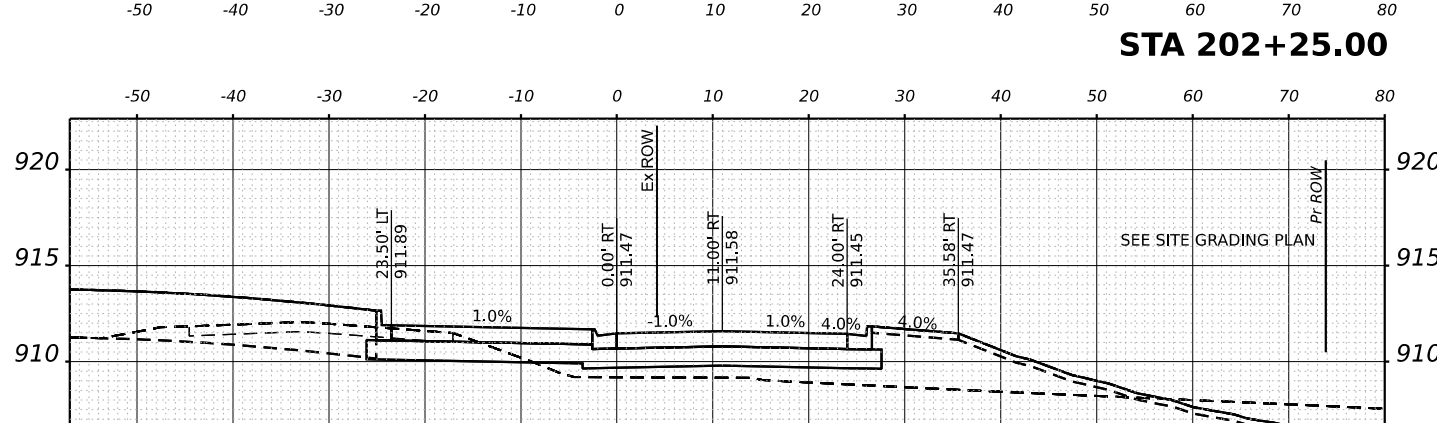
F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 113
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



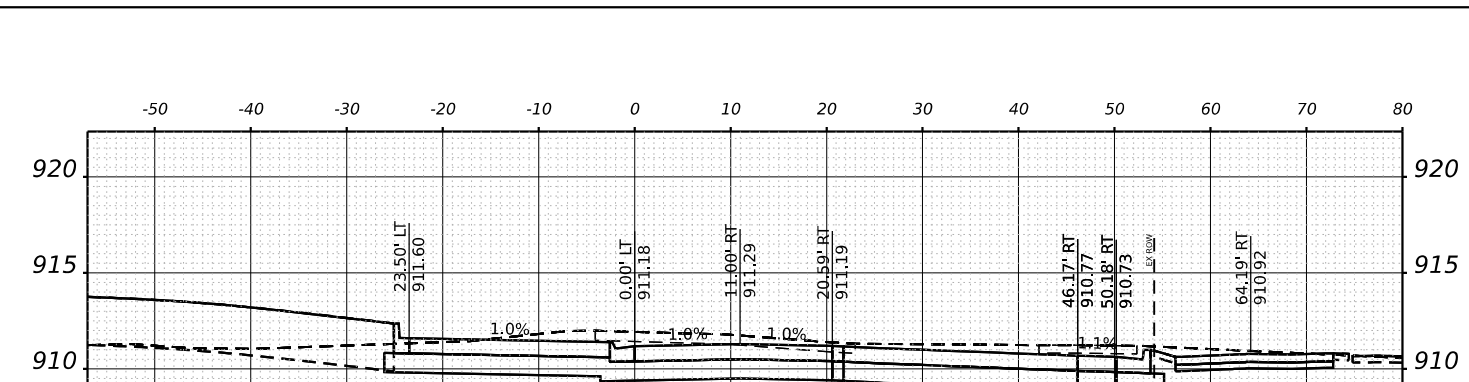
STA 202+25.00



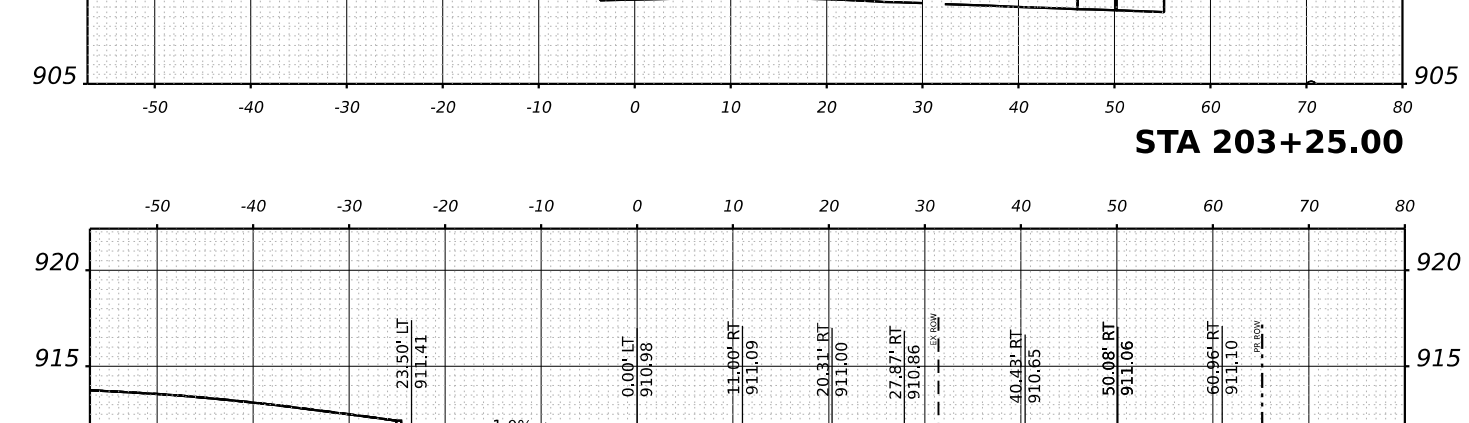
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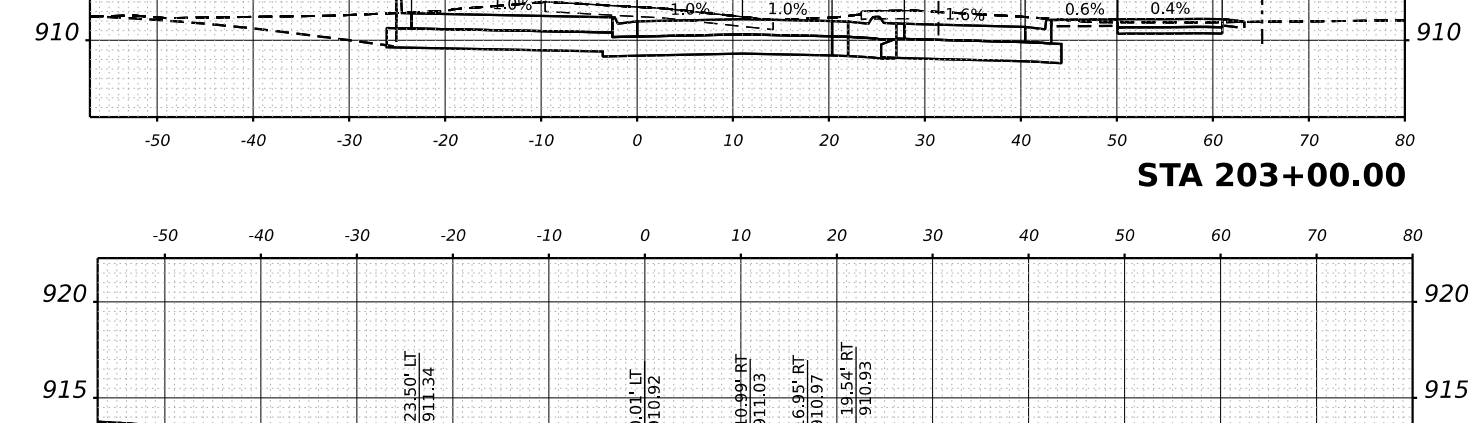
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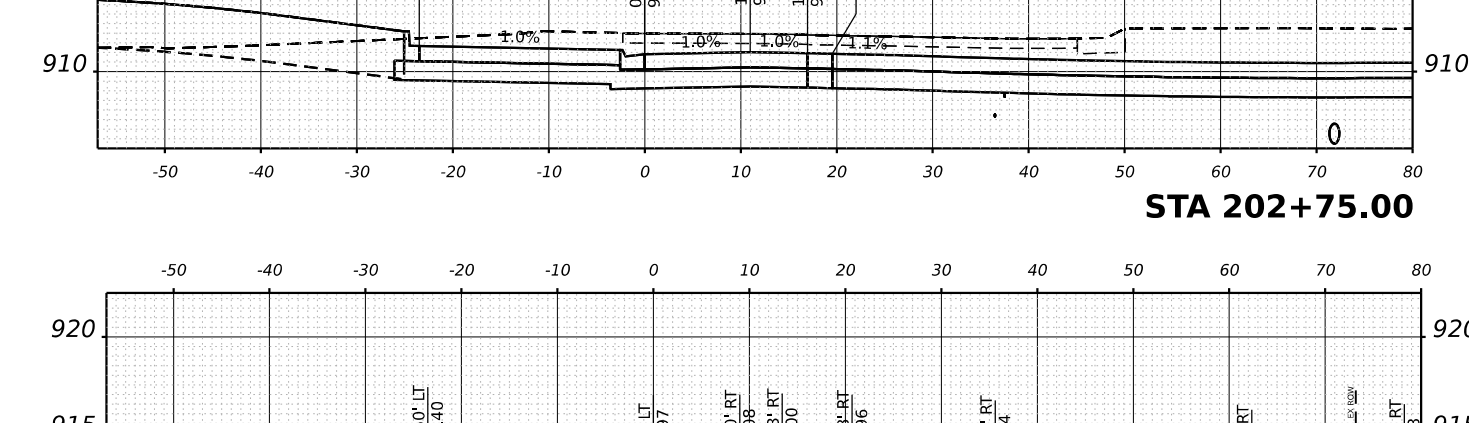
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STA 203+00.00



STA 202+75.00



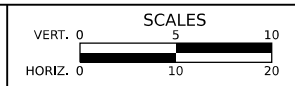
STA 202+50.00

MODEL SHEETS
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DESIGNED - TGB	REVISED -
DRAWN - KEH	REVISED -
CHECKED - RTM	REVISED -
DATE - 2/14/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

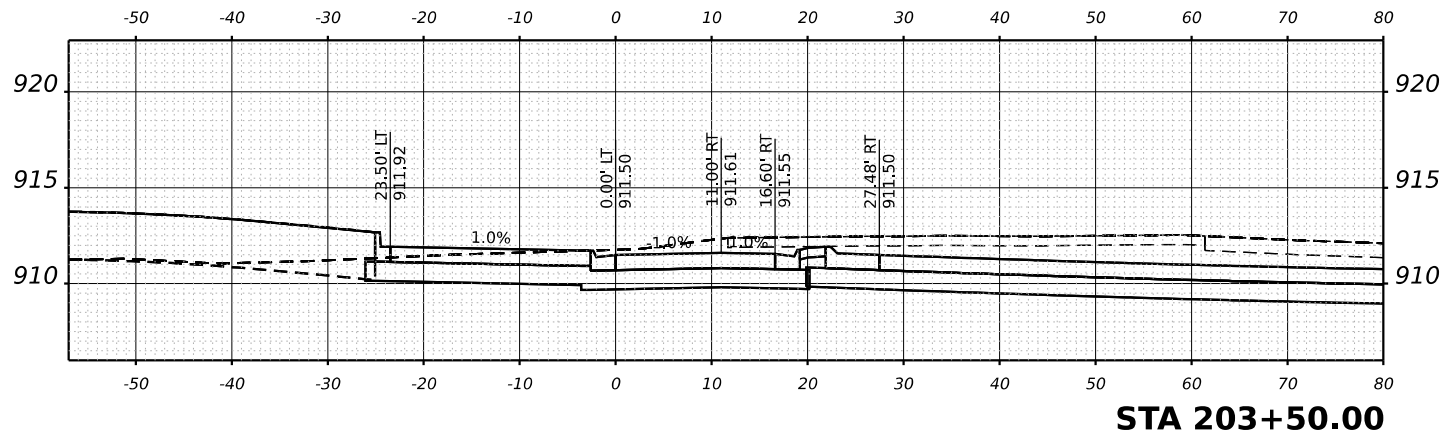
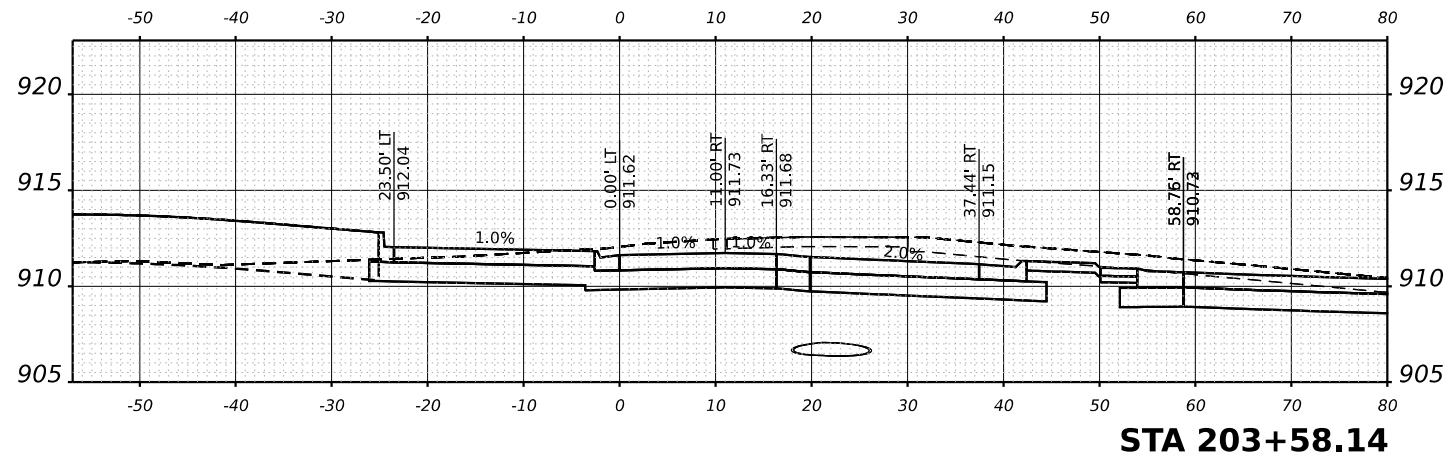


CROSS SECTIONS
CENTER LANE

SHEET	OF	SHEETS	STA.	TO	STA.
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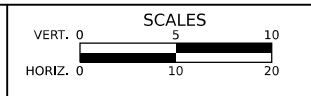
F.A.P./F.A.U. 345A/2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 114
CONTRACT NO. 61J28				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

MODEL: Sheets
 FILE NAME: C:\Roads\2024\US Rte 20 Roundabout\CAD\Sheets\21_xs_center.dgn



DESIGNED -	TGB	REVISED -	
DRAWN -	KEH	REVISED -	
CHECKED -	RTM	REVISED -	
DATE -	2/14/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



CROSS SECTIONS CENTER LANE			
SHEET	OF	SHEETS	STA. TO STA.

F.A.P./ F.A.U. 345A/ 2340	SECTION 19-00187-00-CH	COUNTY KANE	TOTAL SHEETS 115	SHEET NO. 115
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 61J28				