

01-19-2024 LETTING ITEM 087

STATE OF ILLINOIS

F.A.S. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-RS	COOK	38	1
		ILLINOIS	CONTRACT NO. 61K09	

FOR INDEX OF SHEETS,  
HIGHWAY STANDARDS  
AND LEGEND  
SEE SHEET NO. 02

THIS PROJECT IS LOCATED  
IN THE VILLAGE OF MOUNT  
PROSPECT AND THE CITY  
OF DES PLAINES

FUNCTIONAL CLASSIFICATION

CENTRAL ROAD -  
MINOR ARTERIAL

TRAFFIC DATA

CENTRAL ROAD  
ADT: 13,300 (2022)  
POSTED SPEED LIMIT = 35 MPH

DEPARTMENT OF TRANSPORTATION  
PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

FAU 1300 (CENTRAL ROAD)  
WESTGATE ROAD TO WOLF ROAD  
ROADWAY RESURFACING  
PROJECT NUMBER: I64C(918)  
VILLAGE OF MOUNT PROSPECT  
COOK COUNTY  
JOB NO. C-91-216-23  
SECTION NO. 23-00178-00-RS



R 11 E

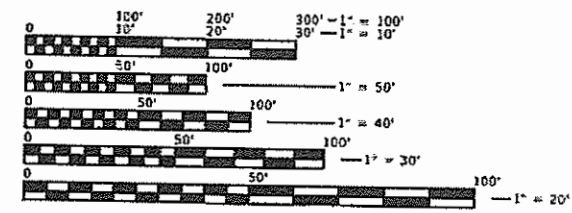
PROJECT BEGINS  
STA 9+48.00  
CENTRAL ROAD



PROJECT ENDS  
STA 35+03.00  
CENTRAL ROAD

WHEELING TOWNSHIP/MAINE TOWNSHIP

GROSS LENGTH = 2,555 FEET (0.48 MILES)  
NET LENGTH = 2,555 FEET (0.48 MILES)



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



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

CONTRACT NO. 61K09

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	October 12, 2023 <i>[Signature]</i> VILLAGE OF MOUNT PROSPECT, VILLAGE ENGINEER
APPROVED	October 12, 2023 <i>[Signature]</i> CITY OF DES PLAINES, DIRECTOR OF PUBLIC WORKS & ENGINEERING
PASSED	Nov 7, 2023 <i>[Signature]</i> DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	NOVEMBER 7, 2023 <i>[Signature]</i> REGIONAL ENGINEER

DATE: 10/3/2023

*[Signature]*  
LUCAS J. FORESMAN

LICENSE EXPIRES: NOVEMBER, 30, 2025

PLANS PREPARED BY THE VILLAGE OF MOUNT PROSPECT  
50 S. EMERSON STREET  
MOUNT PROSPECT, ILLINOIS 60056  
847-870-5640

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
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8	TYPICAL SECTION
9	SCHEDULE OF QUANTITIES
10-11	ROADWAY AND PAVEMENT MARKING PLAN
12-13	DRAINAGE AND UTILITY PLAN
14-25	ADA RAMP DETAILS
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29	BD-08: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
30	BD-24: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
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## HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442101-09	CLASS B PATCHES
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604016-04	FRAME AND GRATE TYPE 4
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-RD OPERATIONS, MULTILANE, 15; (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 40 MPH
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

## MAINTENANCE OF TRAFFIC NOTES

- TRAFFIC CONTROL DEPICTED IN THE APPLICABLE IDOT AND DISTRICT ONE DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
- THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- CONSTRUCTION WARNING SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.
- EXISTING TRAFFIC CONTROL DEVICES ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE CAUSED BY THEIR WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.
- W21-1 "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. WORKERS SIGNS MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.
- "FRESH OIL" SIGNS (W21-2-48) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO PRIMING.
- TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO THE ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION.
- THE ENGINEER SHALL CONTACT FADI SULTAN, ARTERIAL TRAFFIC FIELD ENGINEER, AT [FADI.SULTAN@ILLINOIS.GOV](mailto:FADI.SULTAN@ILLINOIS.GOV) A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT [KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV](mailto:KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV) A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

## GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED JANUARY 1, 2022; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2024; THE LATEST EDITION OF THE "ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR THE WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" SEVENTH EDITION, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS NAD IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800)892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED). THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES, LOCAL POLICE DEPARTMENTS, LOCAL FIRE DEPARTMENTS, LOCAL POST OFFICES, LOCAL SCHOOL DISTRICTS, THE VILLAGE OF MOUNT PROSPECT, AND THE CITY OF DES PLAINES AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE OR CITY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE VILLAGE.
- 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 VILLAGE.
- 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 LOCATION CAN BE RE-ESTABLISHED FOR STRIPING, EXACT LOCATIONS OF ALL PAVEMENT MARKING SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL PAVEMENT PATCHING, SPOT SIDEWALK REPLACEMENT, SPOT CURB AND GUTTER REPLACEMENT AND SPOT DRIVEWAY REPLACEMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSION AND CONDITIONS EXISTING IN THE FIELD, INCLUDING THE THICKNESS OF THE EXISTING PAVEMENT AND WHETHER OR NOT IS CONTAINS REINFORCEMENT, PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMITS IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF TH MILLING IS SLOPED A MINIMUM 1:3.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOTMIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- HOT-MIX ASPHALT BINDER SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
- HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION AND TOPSOIL PLACEMENT HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER, AND THE HOT-MIX ASPHALT BINDER COURSE HAS BEEN COMPLETED PER SPECIFICATION.
- THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACE, BINDER, OR BASE UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.
- THE CONTRACTOR SHALL NOT CROSS COMPLETED BINDER COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.
- ALL SIDEWALK CONSTRUCTED OVER A UTILITY TRENCH SHALL BE REINFORCED WITH THREE #4 REBAR WHICH EXTENDS 5 FEET BEYOND THE TRENCH WALLS. AT LOCATIONS WHERE SIDEWALK IS ADJACENT TO THE BACK OF CURB, A 1/2" PREFORMED EXPANSION JOINT FILLER SHALL BE INSTALLED BETWEEN THE BURB AND SIDEWALK.
- THE MAXIMUM CROSS SLOPE AT ANY POINT IN THE TRAVERSABLE AREA OF THE SIDEWALK, INCLUDING THE AREAS THROUGH DRIVEWAYS, SHALL BE 2.00%. ALL AREAS OF NEW SIDEWALK THAT EXCEED THIS MAXIMUM SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR.
- 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.
- WHEN REMOVING CURB AND GUTTER, PAVEMENT OR ANY OTHER STRUCTURE, THE CONTRACTOR SHALL TAKE EVERY PRECAUTION NECESSARY TO ENSURE THAT THERE WILL BE NO DAMAGE TO UNDERGROUND PUBLIC OR PRIVATE UTILITIES. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL CONCRETE BREAKER BE ALLOWED.
- LANDSCAPED AREAS AFFECTED BY SIDEWALK, DRIVEWAY OR CURB AND GUTTER CONSTRUCTION SHALL BE RESTORED WITH 18" WIDE STRIP OF "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH", WITH FERTILIZER, INSTALLED FROM THE BACK OF SIDEWALK, CURB OR DRIVEWAY, OR AS DETERMINED BY THE ENGINEER.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS.
- WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OS DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.
- INLET FILTERS SHALL BE PLACED ON ALL OPEN LID STRUCTURES.

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USER NAME = LJF	DESIGNED - LJF	REVISED -
	DRAW - LJF	REVISED -
PLOT SCALE =	CHECKED - MPL	REVISED -
PLOT DATE = 11/16/2023	DATE - 11/16/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
INDEX OF SHEETS, GENERAL & MOT NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	2
				CONTRACT NO. 61K09
		ILLINOIS	FED. AID PROJECT	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				Mount Prospect	Des Plaines
				75/25	75/25
				0005 ROADWAY URBAN	0005 ROADWAY URBAN
20101000	TEMPORARY FENCE	FOOT	200	200	0
20101200	TREE ROOT PRUNING	EACH	1	1	0
20200100	EARTH EXCAVATION	CU YD	10	10	0
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	7	6	1
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	7	6	1
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	7	6	1
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	151	92	59
25000110	SEEDING, CLASS 1A	ACRE	0.031	0.019	0.012
25200200	SUPPLEMENTAL WATERING	UNIT	2	1	1
28000510	INLET FILTERS	EACH	48	48	0
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	20	10	10
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	10	10	0
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	12500	12090	410
40600370	LONGITUDINAL JOINT SEALANT	FOOT	10220	10220	0
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	20	19	1

\* INDICATES SPECIALTY ITEM

	USER NAME = LIF	DESIGNED - LIF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD SUMMARY OF QUANTITIES</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAW - LIF	REVISED -			1300	23-00178-00-R5	COOK	38	3
	PLOT DATE = 10/31/2023	CHECKED - MPL	REVISED -			CONTRACT NO. 61K09				
	DATE - 10/31/2023	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE:	SHEET 1 OF 5 SHEETS		STA. TO STA.		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				Mount Prospect	Des Plaines
				75/25	75/25
				0005	0005
				ROADWAY URBAN	ROADWAY URBAN
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	179	115	64
40600990	TEMPORARY RAMP	SQ YD	54	21	33
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	2643	2557	86
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	1866	1805	61
42001300	PROTECTIVE COAT	SQ YD	819	581	238
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	111	111	0
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3250	2000	1250
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	380	380	0
42400800	DETECTABLE WARNINGS	SQ FT	200	100	100
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	18500	17900	600
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	334	334	0
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1095	739	356
44000600	SIDEWALK REMOVAL	SQ FT	3250	2000	1250
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	179	179	0
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SQ YD	179	179	0

\* INDICATES SPECIALTY ITEM



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PLOT DATE = 10/31/2023	CHECKED - MPL	REVISIONS -
	DATE - 10/31/2023	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
SUMMARY OF QUANTITIES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-RS	COOK	38	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K09	



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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				Mount Prospect	Des Plaines
				75/25	75/25
				0005	0005
				ROADWAY URBAN	ROADWAY URBAN
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	0
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2733	2523	210
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	305	281	24
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	406	406	0
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5200	5200	0
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2510	2180	330
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	90	90	0
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	130	60	70
* <del>X6810105</del>	DETECTOR LOOP REPLACEMENT	FOOT	200	200	0
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	0.5	0.5
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	4	4	0
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	22	22	0
* X7810301	RECESSED REFLECTIVE PAVEMENT MARKER (HMA)	EACH	210	210	0
Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	180	180	0

\* INDICATES SPECIALTY ITEM



USER NAME = LJF	DESIGNED - LJF	REVISED -
PLOT SCALE =	DRAW - LJF	REVISED -
PLOT DATE = 10/31/2023	CHECKED - MPL	REVISED -
	DATE - 10/31/2023	REVISED -

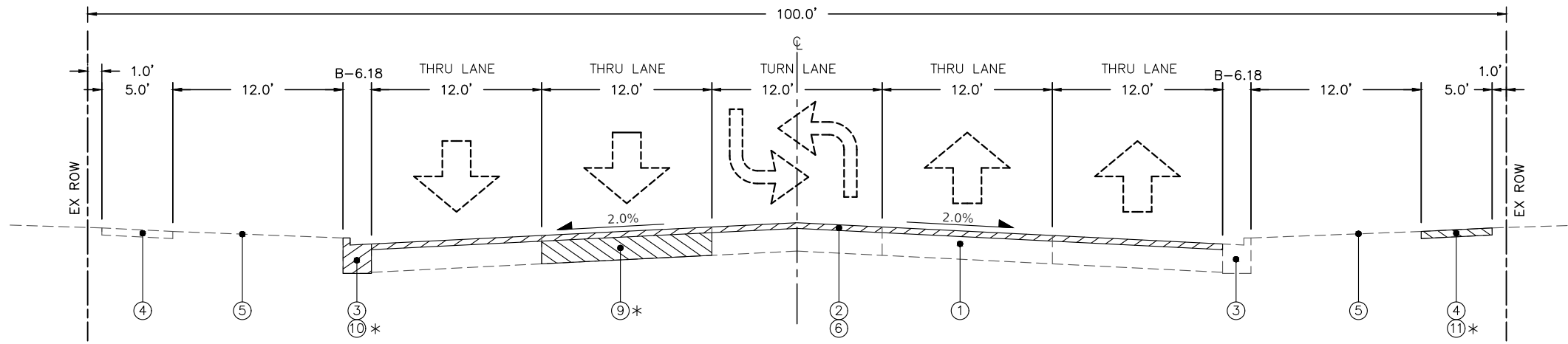
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
SUMMARY OF QUANTITIES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-RS	COOK	38	6
CONTRACT NO. 61K09				
ILLINOIS FED. AID PROJECT				

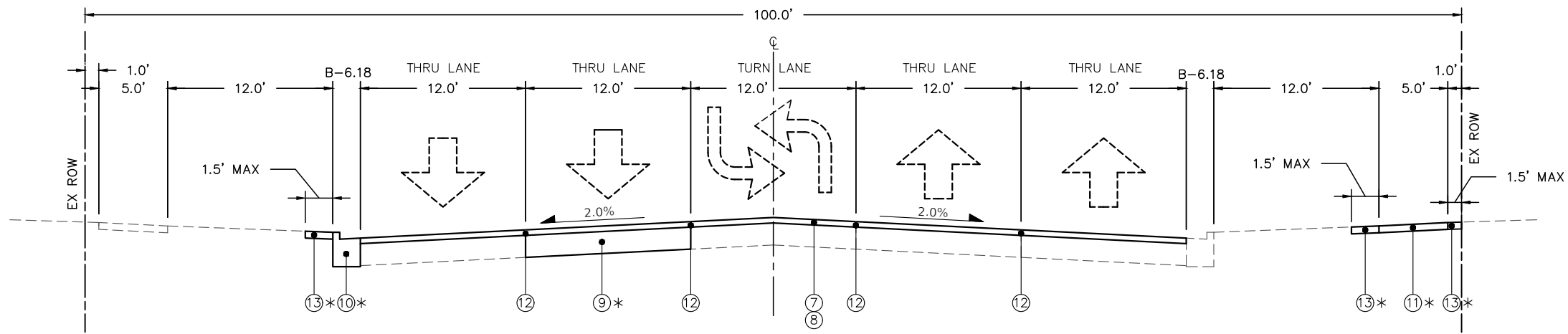




**EXISTING TYPICAL SECTION**

STA 9+48 (PROJECT BEGINS) TO STA 35+03 (PROJECT ENDS)  
LOOKING EAST

\* AS DETERMINED BY THE ENGINEER



**PROPOSED TYPICAL SECTION**

STA 9+48 (PROJECT BEGINS) TO STA 35+03 (PROJECT ENDS)  
LOOKING EAST

**PAVING SEQUENCE NOTES**

THE FOLLOWING NOTES SHALL BE FOLLOWED IN ORDER TO PROTECT THE EXISTING PCC BASE COURSE.

1. THE ENGINEER SHALL INSPECT THE EXPOSED PCC BASE COURSE AND GIVE APPROVAL PRIOR TO ALLOWING TRAFFIC ON THE EXPOSED PCC BASE COURSE.
2. THE ENGINEER MAY REQUIRE MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS BE INSTALLED PRIOR TO ALLOWING TRAFFIC ON THE EXPOSED PCC BASE COURSE.
3. IF THE PCC BASE IS NOT ABLE TO SUPPORT TRAFFIC, STAGED CONSTRUCTION WILL BE REQUIRED WHERE PATCHING IS COMPLETED AND BINDER COURSE IS PLACED PRIOR TO THE LANE BEING REOPENED TO TRAFFIC.
4. TWO-WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES, THEREFORE UP TO THREE LANES MAY BE CLOSED FOR STAGED CONSTRUCTION IF NECESSARY.
5. PATCHING MUST BEGIN WITHIN 2 WORKING DAYS OF THE MILLING OPERATION ON A LANE.
6. BINDER COURSE MUST BE PLACED WITHIN 10 WORKING DAYS OF THE MILLING OPERATION ON A LANE.

**LEGEND:**

- ① EXISTING P.C.C. BASE, 6 - 8+ INCHES
- ② EXISTING HMA OVERLAY, 4 INCHES AVERAGE
- ③ EXISTING COM. CONC. CURB & GUTTER TYPE B-6.18
- ④ EXISTING P.C.C. SIDEWALK, 5 INCHES
- ⑤ EXISTING GROUND
- ⑥ PROPOSED HMA SURFACE REMOVAL, 4"
- ⑦ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2.5"
- ⑧ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1.75"
- ⑨ PROPOSED CLASS B PATCHES, 8 INCH
- ⑩ PROPOSED SPOT COM. CONC. CURB & GUTTER REMOVAL AND REPLACEMENT
- ⑪ PROPOSED SPOT P.C.C. SIDEWALK REMOVAL AND REPLACEMENT AND ADA RAMP REPLACEMENT
- ⑫ PROPOSED LONGITUDINAL JOINT SEALANT
- ⑬ PARKWAY RESTORATION (TOPSOIL FURNISH AND PLACE, 4"; NITROGEN FERTILIZER NUTRIENT; PHOSPHORUS FERTILIZER NUTRIENT; POTASSIUM FERTILIZER NUTRIENT; SEEDING, CLASS 1A)

**NOTES:**

1. HOT-MIX ASPHALT SURFACE REMOVAL, 4" SHALL CONSIST OF THE REMOVAL OF ALL EXISTING HOT-MIX ASPHALT ABOVE THE EXISTING PORTLAND CONCRETE CEMENT BASE, OR AS DIRECTED BY THE ENGINEER. CORES AND EXISTING PLANS SHOW AN AVERAGE THICKNESS OF 4".
2. DEPTH OF HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 HAS AN AVERAGE THICKNESS OF 2.5" BUT SHALL BE VARIED AS DIRECTED BY THE ENGINEER TO ACHIEVE AN ASPHALT FINISHED GRADE A QUARTER (1/4) INCH ABOVE THE CURB AND GUTTER FLAG, MINIMUM THICKNESS OF 2.25" IS REQUIRED.
3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BINDER COURSE, IL-19.0, N70.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM
<b>PAVEMENT RESURFACING</b>		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2.5"	4% @ 70 Gyr.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"	4% @ 70 Gyr.	LR 1030-2
<b>HMA DRIVEWAY PAVEMENT 3"</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3" (IN TWO LIFTS)	4% @ 50 Gyr.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/ASSURANCE (QC/QA) PER LR 1030-2		

**NOTES:**

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RELCAIMED MATERIALS SPECIFICATIONS.

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	DATE - 11/7/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1300	SECTION 23-00178-00-R5	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 8
				CONTRACT NO. 61K09
ILLINOIS FED. AID PROJECT				



**DRAINAGE AND UTILITY STRUCTURE SCHEDULE**

STATION	OFFSET		EXISTING STURCTURE	DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED	SANITARY MANHOLES TO BE ADJUSTED	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	REMOVING INLETS	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	REMOVING CATCH BASINS	CATCH BASINS, TYPE A, 4'- DIAMETER, TYPE 4 FRAME AND GRATE
10+02.8	13.1'	LT	ST MH			X				
10+08.1	30.2'	RT	ST CB	X						
10+33.9	46.1'	LT	SAN MH		X					
10+38.8	36.2'	LT	ST CB	X						
10+67.7	31.0'	RT	ST IN				X	X		
11+41.8	14.2'	LT	ST MH			X				
11+41.8	30.4'	LT	ST CB	X						
11+61.9	30.2'	RT	ST CB	X						
12+25.7	42.0'	LT	SAN MH		X					
12+72.6	12.3'	LT	ST MH			X				
12+91.1	30.3'	LT	ST CB	X						
12+95.9	30.3'	RT	ST CB	X						
14+29.3	33.1'	LT	ST CB	X						
14+33.4	10.3'	LT	ST MH			X				
14+47.8	37.7'	LT	VV			X				
14+60.7	42.0'	LT	SAN MH		X					
14+78.5	30.3'	LT	VV			X				
15+59.6	30.5'	LT	ST CB	X						
15+88.7	30.5'	LT	ST CB	X						
15+89.0	29.8'	RT	ST CB	X						
15+94.7	10.7'	LT	ST MH			X				
16+64.1	29.9'	RT	ST CB	X						
17+13.4	30.2'	LT	ST CB	X						
17+17.3	10.9'	LT	ST MH			X				
17+56.7	30.5'	RT	VV	X						
17+68.9	37.3'	RT	SAN MH		X					
18+06.4	40.5'	RT	VV			X				
19+55.2	30.2'	RT	ST CB	X						
19+59.8	10.5'	LT	ST MH			X				
19+60.0	30.1'	LT	ST CB	X						
20+53.3	30.3'	RT	ST CB				X	X		
20+56.4	30.4'	LT	ST CB	X						
20+56.9	12.8'	LT	ST MH			X				
21+30.7	30.9'	RT	ST CB	X						
21+42.4	37.2'	LT	ST CB	X						
21+43.5	12.7'	LT	ST MH			X				
22+49.3	30.3'	LT	ST CB	X						
22+78.8	13.1'	LT	ST MH			X				
23+73.2	14.5'	LT	ST MH			X				
23+76.9	30.3'	RT	ST CB	X						
24+74.5	30.3'	LT	ST IN				X	X		
24+81.5	35.0'	RT	ST CB	X						
24+90.3	12.3'	LT	ST MH			X				
25+80.0	30.5'	RT	ST CB	X						
25+80.9	11.3'	LT	ST MH			X				
26+94.6	30.7'	RT	ST CB	X						
26+95.4	30.3'	LT	ST IN				X	X		
27+03.1	30.7'	RT	ST CB	X						
27+07.8	30.2'	LT	ST IN				X	X		
27+16.2	10.9'	LT	ST MH			X				
28+34.0	12.8'	LT	ST MH			X				
28+37.7	38.5'	LT	VV	X						
28+42.3	34.5'	LT	ST CB	X						
28+89.3	22.7'	RT	DP VV			X				
29+77.8	30.6'	RT	ST CB	X						
29+80.0	30.1'	LT	ST CB	X						
29+85.7	10.9'	LT	ST MH			X				
31+40.6	30.4'	RT	ST CB	X						
31+44.8	30.1'	LT	ST CB					X	X	
31+84.0	12.5'	LT	ST MH			X				
31+98.5	29.9'	RT	ST MH			X				
32+42.0	30.6'	LT	ST CB	X						
32+42.6	30.6'	RT	ST CB	X						
32+53.0	30.6'	LT	ST CB	X						
32+53.2	30.6'	RT	ST CB	X						
<b>TOTAL</b>				<b>33</b>	<b>4</b>	<b>22</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>1</b>

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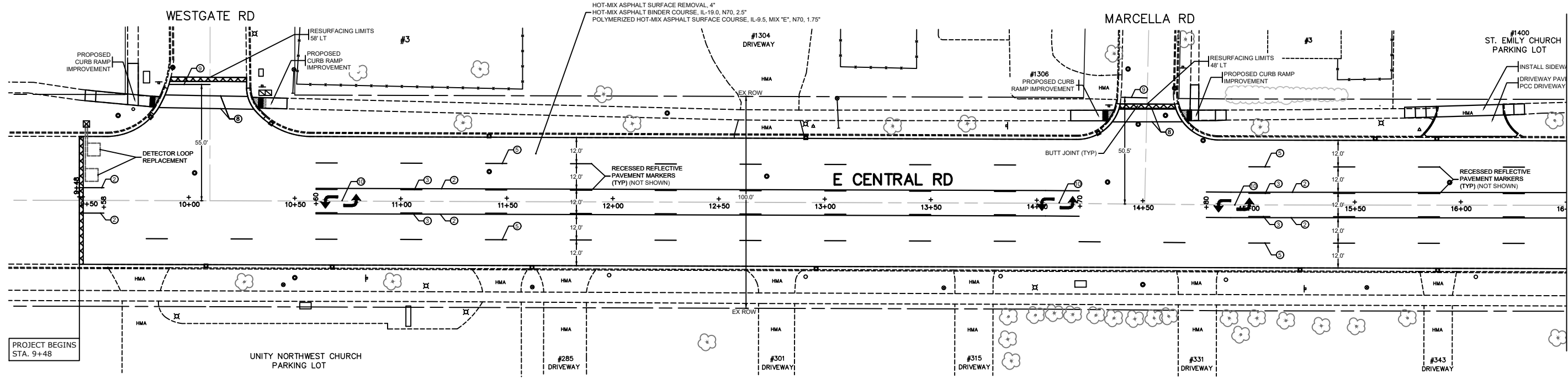
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PLOT DATE = 10/31/2023	CHECKED - MPL	REVISED -
	DATE - 10/31/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
SCHEDULE OF QUANTITIES**

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

F.A.U. RTE. 1300	SECTION 23-00178-00-R5	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 9
CONTRACT NO. 61K09				
ILLINOIS FED. AID PROJECT				



**PROPOSED PAVEMENT MARKING LEGEND**

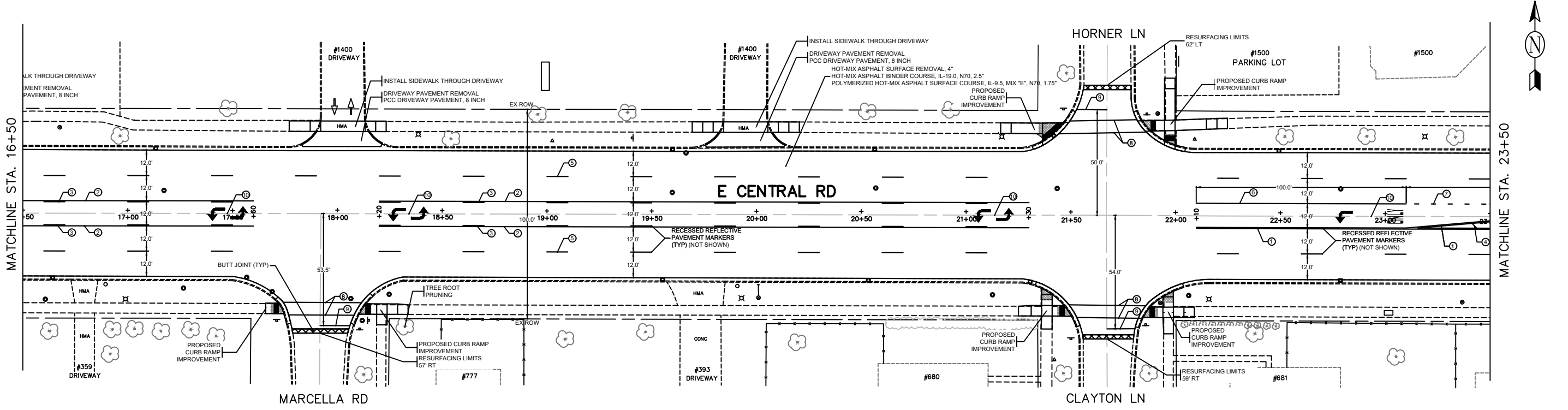
- ① THERMOPLASTIC PAVEMENT MARKING LINE 4", 2 @ 4", SOLID, YELLOW, 11" C-C - CENTERLINE (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID, YELLOW - LINE (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP-DASH, YELLOW, 10' LINE - 30' SPACE - LINE (TYP.)
- ④ THERMOPLASTIC PAVEMENT MARKING LINE 12", SOLID YELLOW - PAINTED MEDIAN DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE - 30' SPACE - LANE LINES (TYP.)
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑦ THERMOPLASTIC PAVEMENT MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE - 6' SPACE - DOTTED LINES (TYP.)
- ⑧ THERMOPLASTIC PAVEMENT MARKING LINE 6", 2 @ 6", SOLID, WHITE - CROSSWALK LINES (PEDESTRIAN) (TYP.)
- ⑨ THERMOPLASTIC PAVEMENT MARKING LINE 24", SOLID, WHITE, STOP LINES (TYP.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, SOLID, WHITE - TURN LANE MARKINGS (TYP.)

**ROADWAY LEGEND**

- ⊗ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

**NOTES:**

1. LIMIT OF RESURFACING ON SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
3. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
4. ALL RECESSED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
5. FOR PROPOSED CURB RAMP IMPROVEMENTS, SEE "ADA RAMP DETAILS".
6. PAVEMENT PATCHING LOCATIONS SHALL BE DETERMINED BY THE ENGINEER AFTER THE EXISTING ASPHALT SURFACE HAS BEEN REMOVED.
7. SPOT CURB AND GUTTER AND SIDEWALK REPAIR LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER AND ARE NOT SHOWN ON THESE PLANS.



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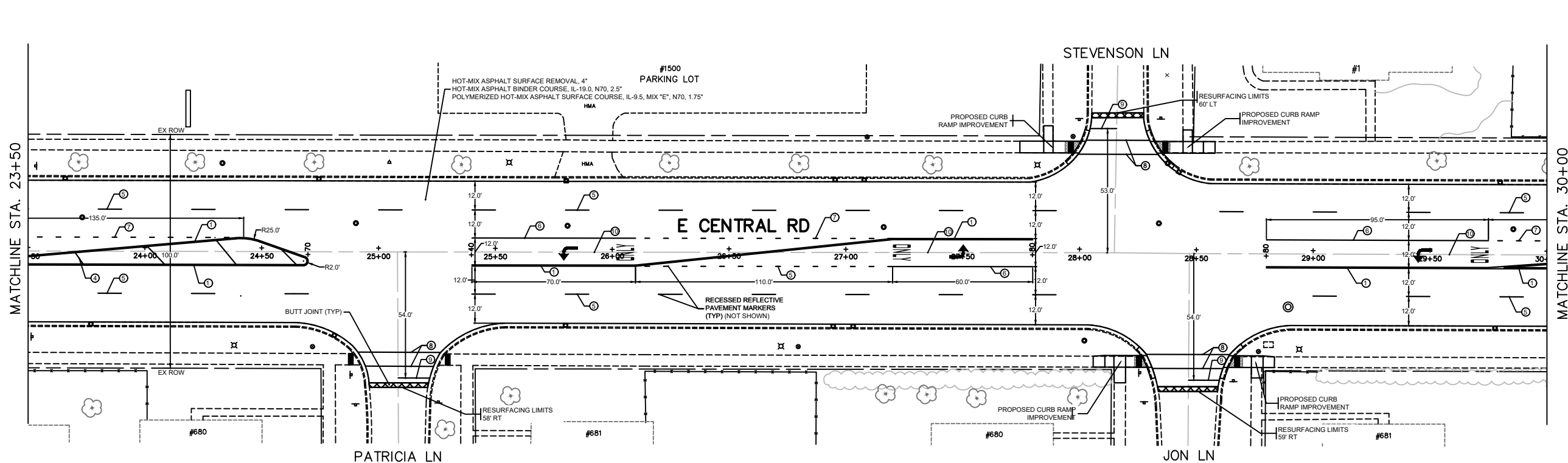
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
PLAN SHEETS STA 9+48 TO 23+50**

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

F.A.U. RTE. 1300	SECTION 23-00178-00-R5	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 10
CONTRACT NO. 61K09				
ILLINOIS FED. AID PROJECT				

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**PROPOSED PAVEMENT MARKING LEGEND**

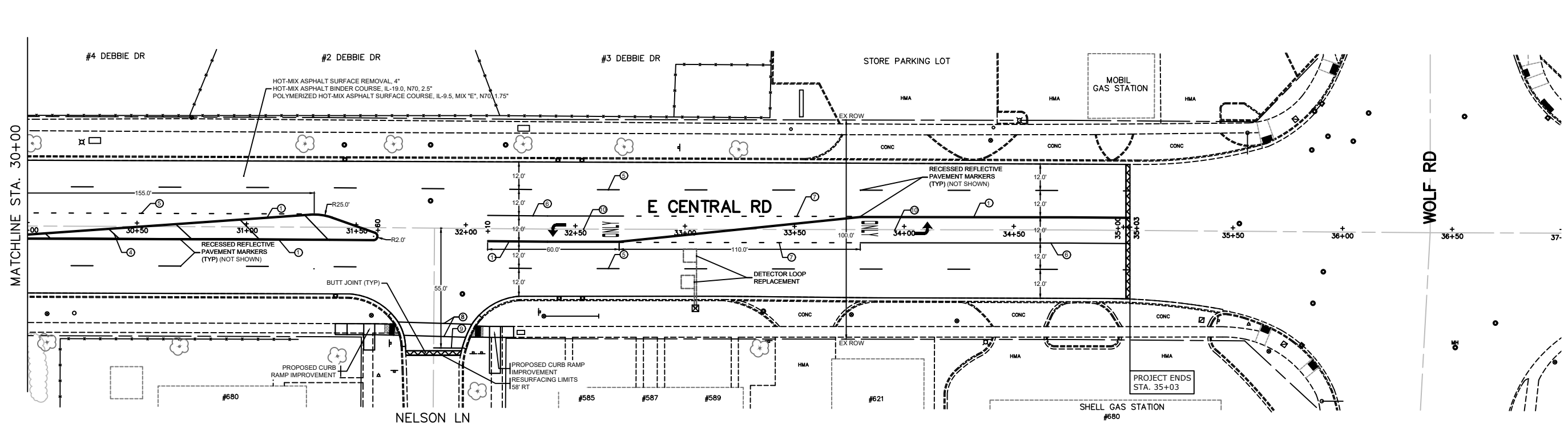
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- ② THERMOPLASTIC PAVEMENT MARKING LINE 4", SOLID, YELLOW - LINE (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP-DASH, YELLOW, 10' LINE - 30' SPACE - LINE (TYP.)
- ④ THERMOPLASTIC PAVEMENT MARKING LINE 12", SOLID YELLOW - PAINTED MEDIAN DIAGONALS (TYP.) (SEE DISTRICT DETAIL TC-13 FOR SPACING)
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP-DASH, WHITE, 10' LINE - 30' SPACE - LANE LINES (TYP.)
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP.)
- ⑦ THERMOPLASTIC PAVEMENT MARKING LINE 6", SKIP-DASH, WHITE, 2' LINE - 6' SPACE - DOTTED LINES (TYP.)
- ⑧ THERMOPLASTIC PAVEMENT MARKING LINE 6", 2 @ 6", SOLID, WHITE - CROSSWALK LINES (PEDESTRIAN) (TYP.)
- ⑨ THERMOPLASTIC PAVEMENT MARKING LINE 24", SOLID, WHITE, STOP LINES (TYP.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, SOLID, WHITE - TURN LANE MARKINGS (TYP.)

**ROADWAY LEGEND**

- ⊠ HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

**NOTES:**

1. LIMIT OF RESURFACING ON SIDE-STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
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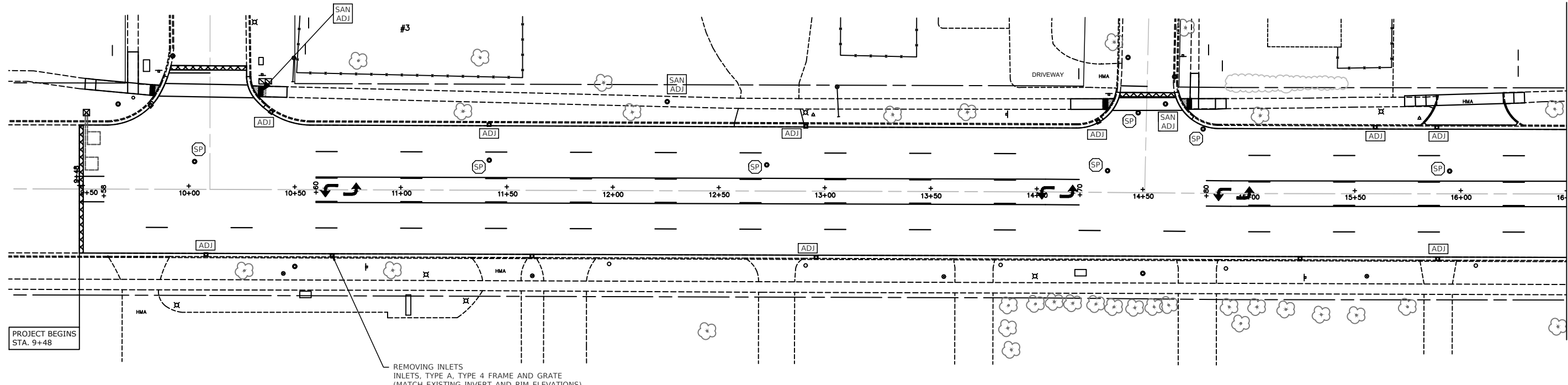
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
PLAN SHEETS STA 23+50 TO 35+03**

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

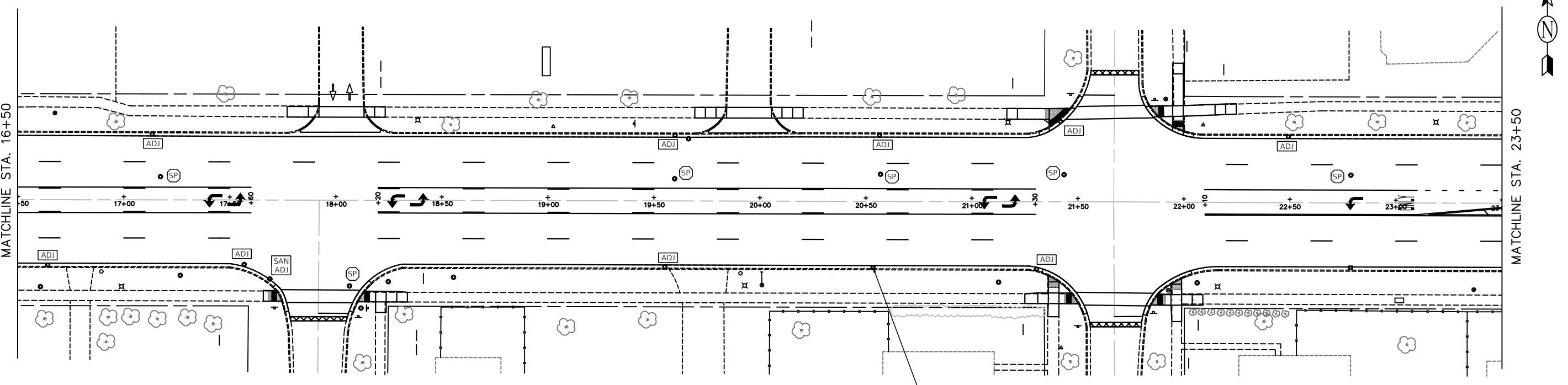
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	11
CONTRACT NO. 61K09				
ILLINOIS FED. AID PROJECT				

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**STRUCTURE ADJUSTMENT LEGEND**

- REC DRAINAGE OR UTILITY STRUCTURE TO BE RECONSTRUCTED
- ADJ DRAINAGE OR UTILITY STRUCTURE TO BE ADJUSTED
- SAN ADJ SANITARY MANHOLES TO BE ADJUSTED
- SP FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)



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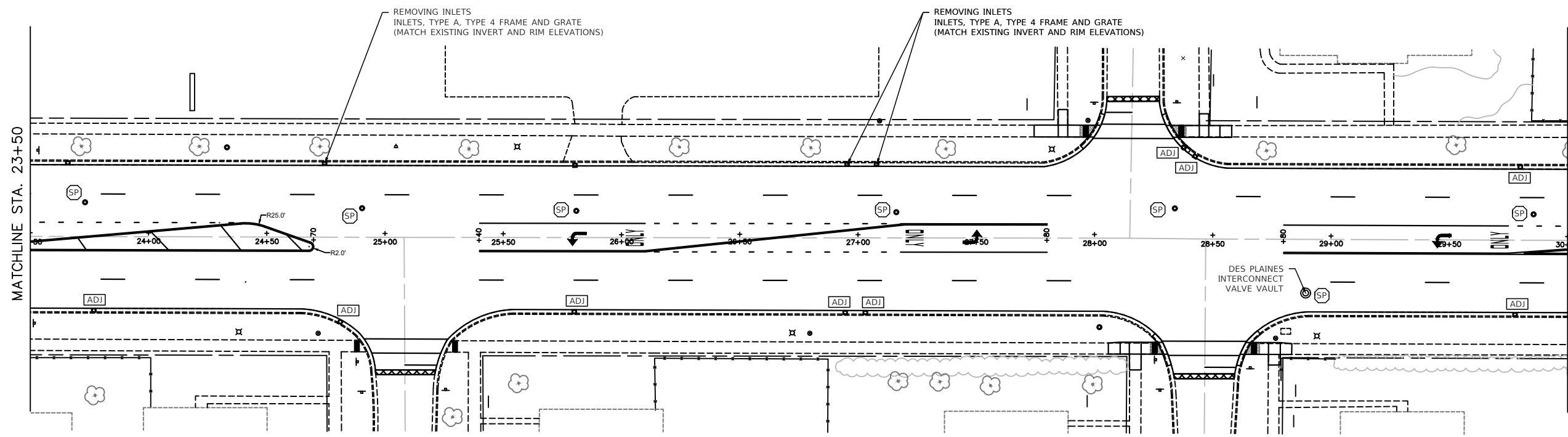
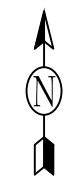
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
DRAINAGE AND UTILITY SHEETS STA 9+48 TO 23+50**

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

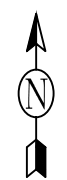
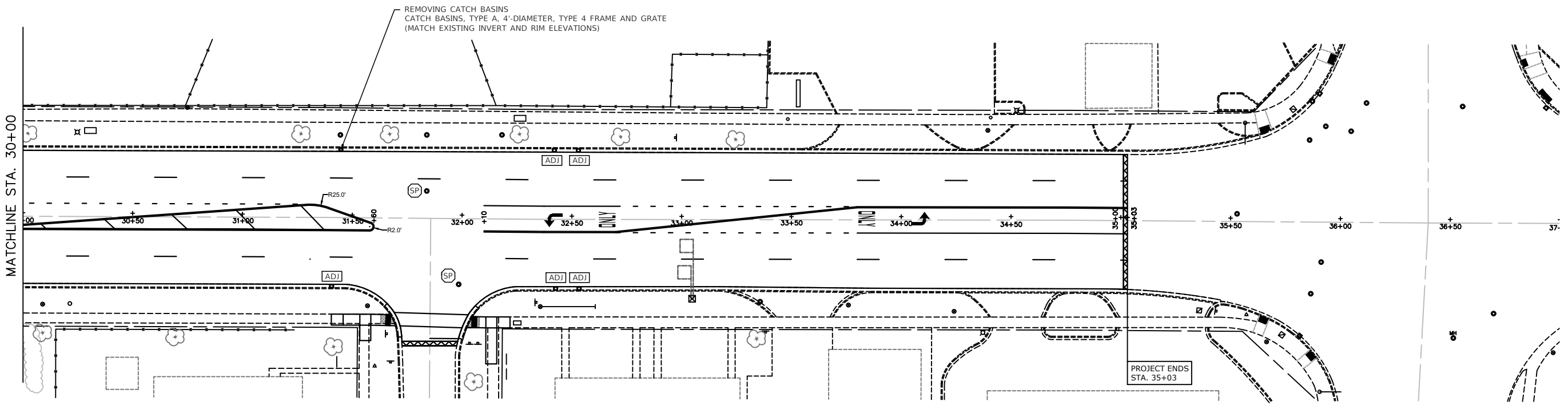
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-RS	COOK	38	12
CONTRACT NO. 61K09				

ILLINOIS FED. AID PROJECT



**STRUCTURE ADJUSTMENT LEGEND**

- REC DRAINAGE OR UTILITY STRUCTURE TO BE RECONSTRUCTED
- ADJ DRAINAGE OR UTILITY STRUCTURE TO BE ADJUSTED
- SAN SANITARY MANHOLES TO BE ADJUSTED
- ADJ
- SP FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)



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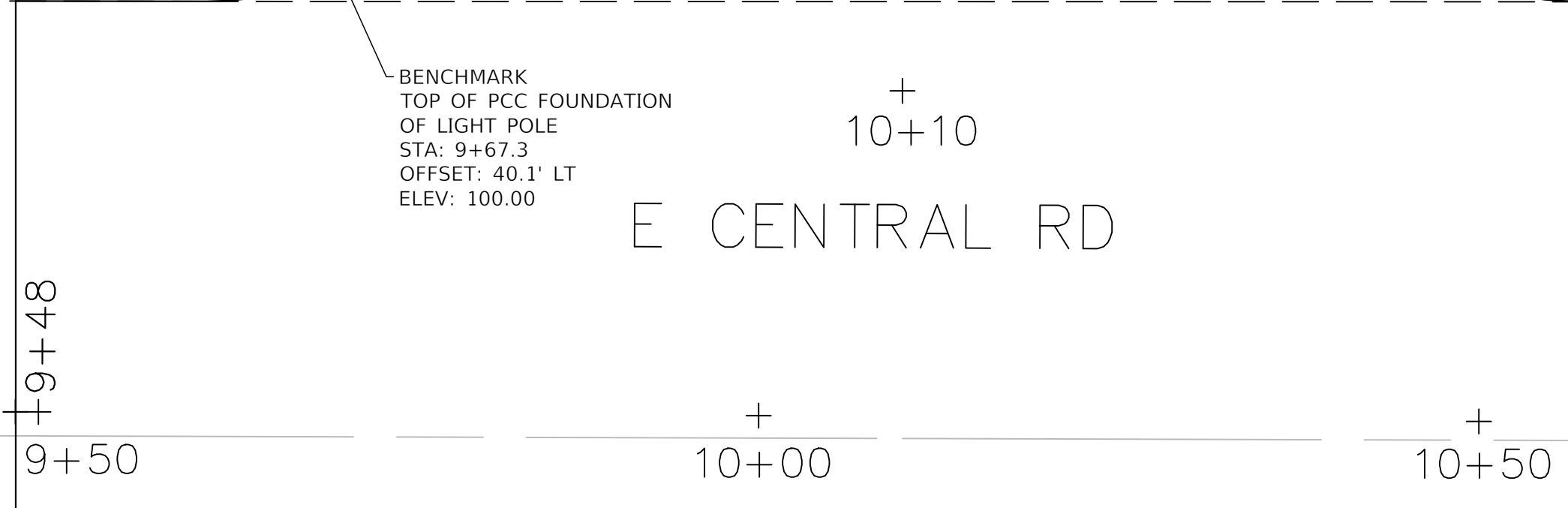
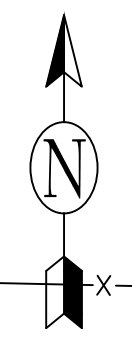
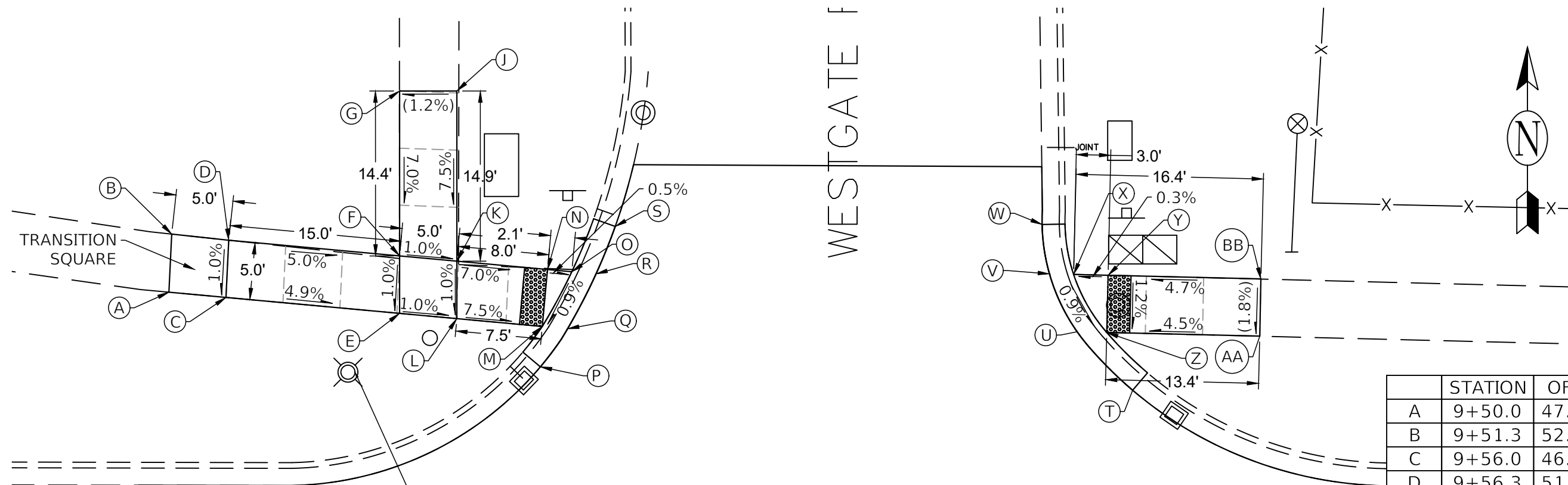
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PLOT DATE	= 10/31/2023				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
DRAINAGE AND UTILITY SHEETS STA 23+50 TO 35+03**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K09	



	STATION	OFFSET		ELEVATION
A	9+50.0	47.1'	LT	EX
B	9+51.3	52.1'	LT	EX
C	9+56.0	46.6'	LT	99.73'
D	9+56.3	51.6'	LT	99.78'
E	9+71.2	45.3'	LT	98.98'
F	9+71.2	50.3'	LT	99.03'
G	9+71.2	64.7'	LT	(100.04')
H	NOT USED			
I	NOT USED			
J	9+76.2	64.7'	LT	(100.10')
K	9+76.2	49.9'	LT	98.98'
L	9+76.2	44.8'	LT	98.93'
M	9+83.6	44.2'	LT	98.59'
N	9+84.1	49.2'	LT	98.65'
O	9+86.2	49.0'	LT	98.64'
P	9+83.5	40.4'	LT	(98.52')
Q	9+85.9	44.0'	LT	98.59'
R	9+88.3	48.8'	LT	98.64'
S	9+90.0	52.9'	LT	(98.85')
T	10+35.2	38.7'	LT	(98.47')
U	10+30.4	43.8'	LT	98.50'
V	10+27.9	48.9'	LT	98.55'
W	10+27.3	53.2'	LT	(98.78')
X	10+30.0	48.9'	LT	98.55'
Y	10+32.9	48.8'	LT	98.56'
Z	10+32.9	43.8'	LT	98.50'
AA	10+46.3	43.6'	LT	(99.10')
BB	10+46.4	48.5'	LT	(99.19')

NOTE: SLOPES OR ELEVATIONS IN PARENTHESIS ARE EXISTING

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

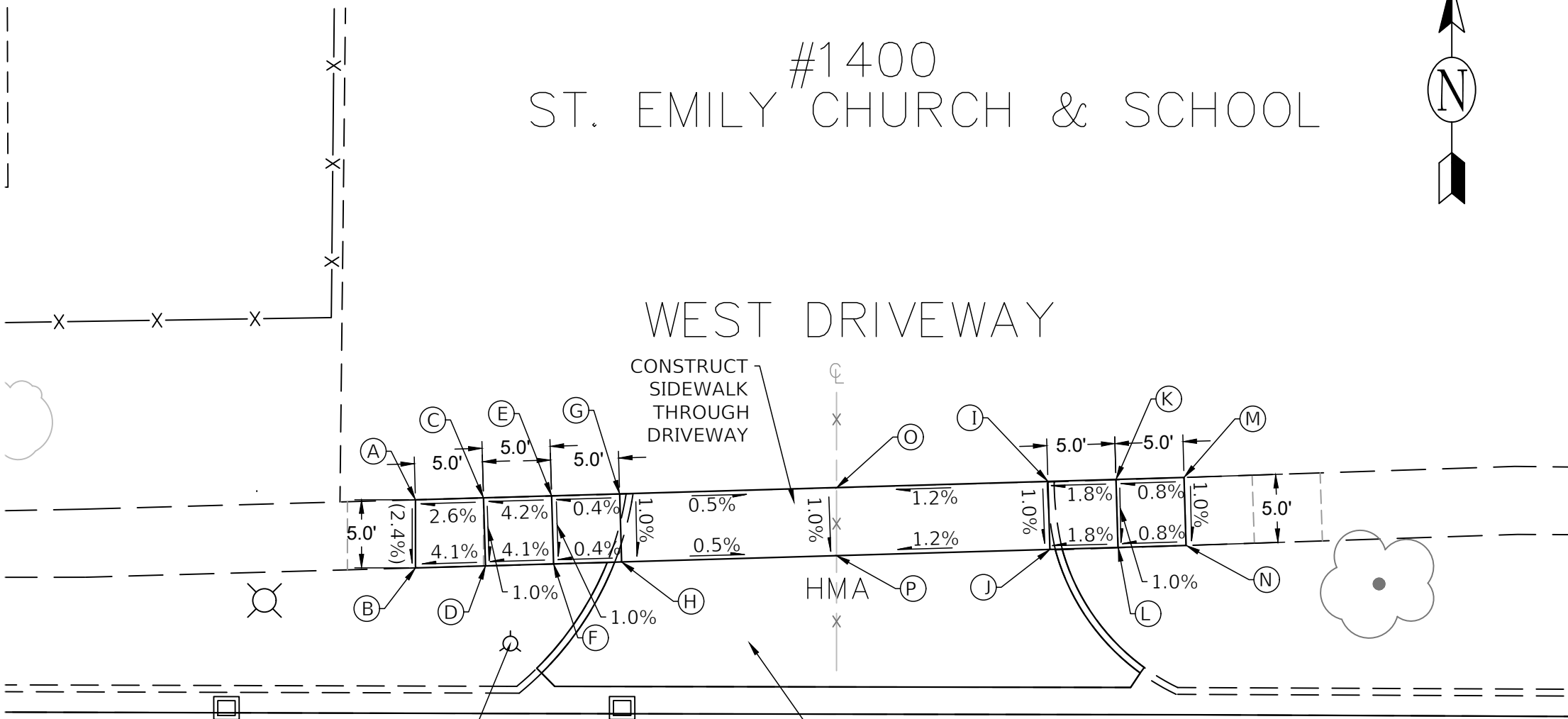
CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
ADA DETAILS - WESTGATE ROAD

SCALE: SHEET 1 OF 11 SHEETS STA. TO STA.

F.A.U. RTE. 1300	SECTION 23-00178-00-R5	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 14
CONTRACT NO. 61K09				
ILLINOIS FED. AID PROJECT				



# #1400 ST. EMILY CHURCH & SCHOOL



	STATION	OFFSET		ELEVATION
A	15+73.5	46.2'	LT	(99.11')
B	15+73.7	41.2'	LT	(98.99')
C	15+78.5	46.3'	LT	99.24'
D	15+78.6	41.3'	LT	99.19'
E	15+83.5	46.5'	LT	(99.45')
F	15+83.7	41.5'	LT	99.40'
G	15+88.5	46.6'	LT	(99.47')
H	15+88.7	41.6'	LT	99.42'
I	16+20.0	47.6'	LT	(99.58')
J	16+20.1	42.6'	LT	99.53'
K	16+25.0	47.7'	LT	(99.67')
L	16+25.1	42.7'	LT	99.62'
M	16+30.0	47.9'	LT	(99.71')
N	16+30.1	42.9'	LT	(99.66')
O	16+04.4	47.1'	LT	(99.39')
P	16+04.4	42.1'	LT	99.34'

BENCHMARK  
BOLT ON FIRE HYDRANT  
ADJACENT TO THE "M"  
IN "MULLER"  
STA: 15+80.5  
OFFSET: 35.6' LT  
ELEV: 101.30

DRIVEWAY PAVEMENT REMOVAL  
PCC DRIVEWAY PAVEMENT, 8 INCH

+  
16+00  
E CENTRAL RD

+  
15+50

+  
16+00

+  
16+50

NOTE: SLOPES OR ELEVATIONS IN PARENTHESIS ARE EXISTING

H:\Engineering\Agencies\WMC\STP Projects\Central Road Resurfacing\STP Resurfacing - Westgate to Wolf\Phase 1 and IICAD\Westgate-Wolf - Phase II.dwg



USER NAME = LJF	DESIGNED - LJF	REVISED -
PLOT SCALE =	DRAW - LJF	REVISED -
PLOT DATE = 10/31/2023	CHECKED - MPL	REVISED -
	DATE - 10/31/2023	REVISED -

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

CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
ADA DETAILS - ST. EMILY WEST

SCALE: SHEET 3 OF 11 SHEETS STA. TO STA.

F.A.U. RTE. 1300	SECTION 23-00178-00-R5	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 16
CONTRACT NO. 61K09				
ILLINOIS FED. AID PROJECT				

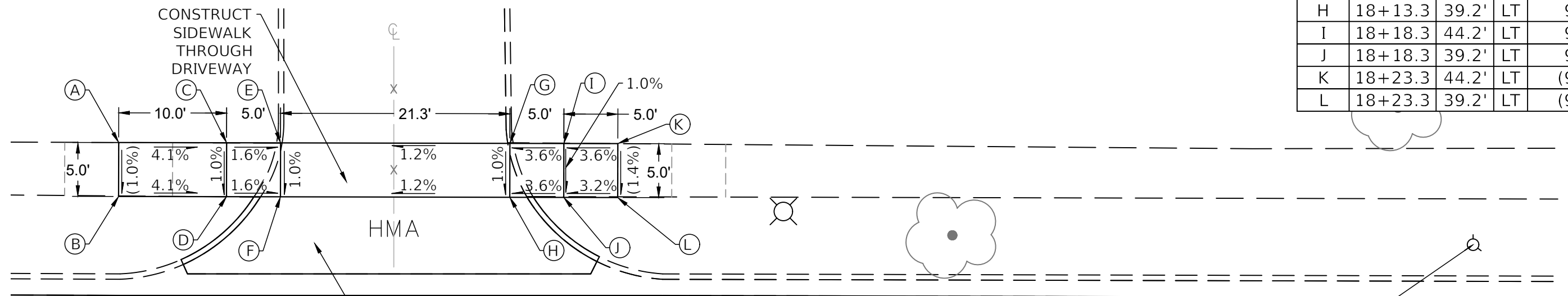


# #1400 ST. EMILY CHURCH & SCHOOL



	STATION	OFFSET		ELEVATION
A	17+77.0	44.2'	LT	(97.47')
B	17+77.0	39.2'	LT	(97.42')
C	17+87.0	44.2'	LT	97.06'
D	17+87.0	39.2'	LT	97.01'
E	17+92.0	44.2'	LT	(96.98')
F	17+92.0	39.2'	LT	96.93'
G	18+13.3	44.2'	LT	(97.24')
H	18+13.3	39.2'	LT	97.19'
I	18+18.3	44.2'	LT	97.42'
J	18+18.3	39.2'	LT	97.37'
K	18+23.3	44.2'	LT	(97.60')
L	18+23.3	39.2'	LT	(97.53')

## MIDDLE DRIVEWAY



DRIVEWAY PAVEMENT REMOVAL  
PCC DRIVEWAY PAVEMENT, 8 INCH

BENCHMARK  
BOLT ON FIRE HYDRANT  
ADJACENT TO THE "M"  
IN "MULLER"  
STA: 19+02.6  
OFFSET: 35.0' LT  
ELEV: 100.00

+  
18+00

E CENTRAL RD

+  
18+00

+  
18+50

+  
19+00

NOTE: SLOPES OR ELEVATIONS IN PARENTHESIS ARE EXISTING

H:\Engineering\Agencies\WMC\STP Projects\Central Road Resurfacing\STP Resurfacing (Westgate to Wolf)\Phase 1 and IICAD\Westgate-Wolf - Phase II.dwg



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PLOT SCALE =	DRAW - LJF	REVISED -
PLOT DATE = 10/31/2023	CHECKED - MPL	REVISED -
	DATE - 10/31/2023	REVISED -

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

CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
ADA DETAILS - ST. EMILY CENTER

F.A.U. RTE. 1300	SECTION 23-00178-00-R5	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 17
SCALE:			SHEET 4 OF 11 SHEETS STA. TO STA.	
ILLINOIS FED. AID PROJECT				

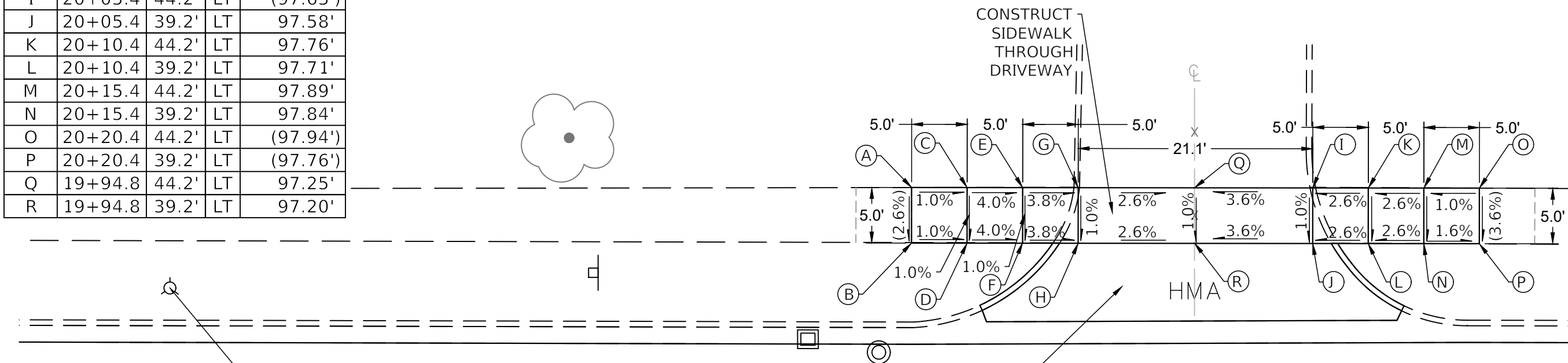
CONTRACT NO. 61K09

	STATION	OFFSET		ELEVATION
A	19+69.3	44.2'	LT	(97.96')
B	19+69.3	39.2'	LT	(97.83')
C	19+74.3	44.2'	LT	97.91'
D	19+74.3	39.2'	LT	97.86'
E	19+79.3	44.2'	LT	97.71'
F	19+79.3	39.2'	LT	97.66'
G	19+84.3	44.2'	LT	(97.52')
H	19+84.3	39.2'	LT	97.47'
I	20+05.4	44.2'	LT	(97.63')
J	20+05.4	39.2'	LT	97.58'
K	20+10.4	44.2'	LT	97.76'
L	20+10.4	39.2'	LT	97.71'
M	20+15.4	44.2'	LT	97.89'
N	20+15.4	39.2'	LT	97.84'
O	20+20.4	44.2'	LT	(97.94')
P	20+20.4	39.2'	LT	(97.76')
Q	19+94.8	44.2'	LT	97.25'
R	19+94.8	39.2'	LT	97.20'



#1400  
ST. EMILY CHURCH & SCHOOL

EAST DRIVEWAY



BENCHMARK  
BOLT ON FIRE HYDRANT  
ADJACENT TO THE "M"  
IN "MULLER"  
STA: 19+02.6  
OFFSET: 35.0' LT  
ELEV: 100.00

DRIVEWAY PAVEMENT REMOVAL  
PCC DRIVEWAY PAVEMENT, 8 INCH

+  
20+00

E CENTRAL RD

+  
19+00

+  
19+50

+  
20+00

NOTE: SLOPES OR ELEVATIONS IN PARENTHESIS ARE EXISTING

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USER NAME	= LJF	DESIGNED	- LJF	REVISED	-
DRAW	- LJF	CHECKED	- MPL	REVISED	-
PLOT SCALE	=	DATE	- 10/31/2023	REVISED	-
PLOT DATE	= 10/31/2023				

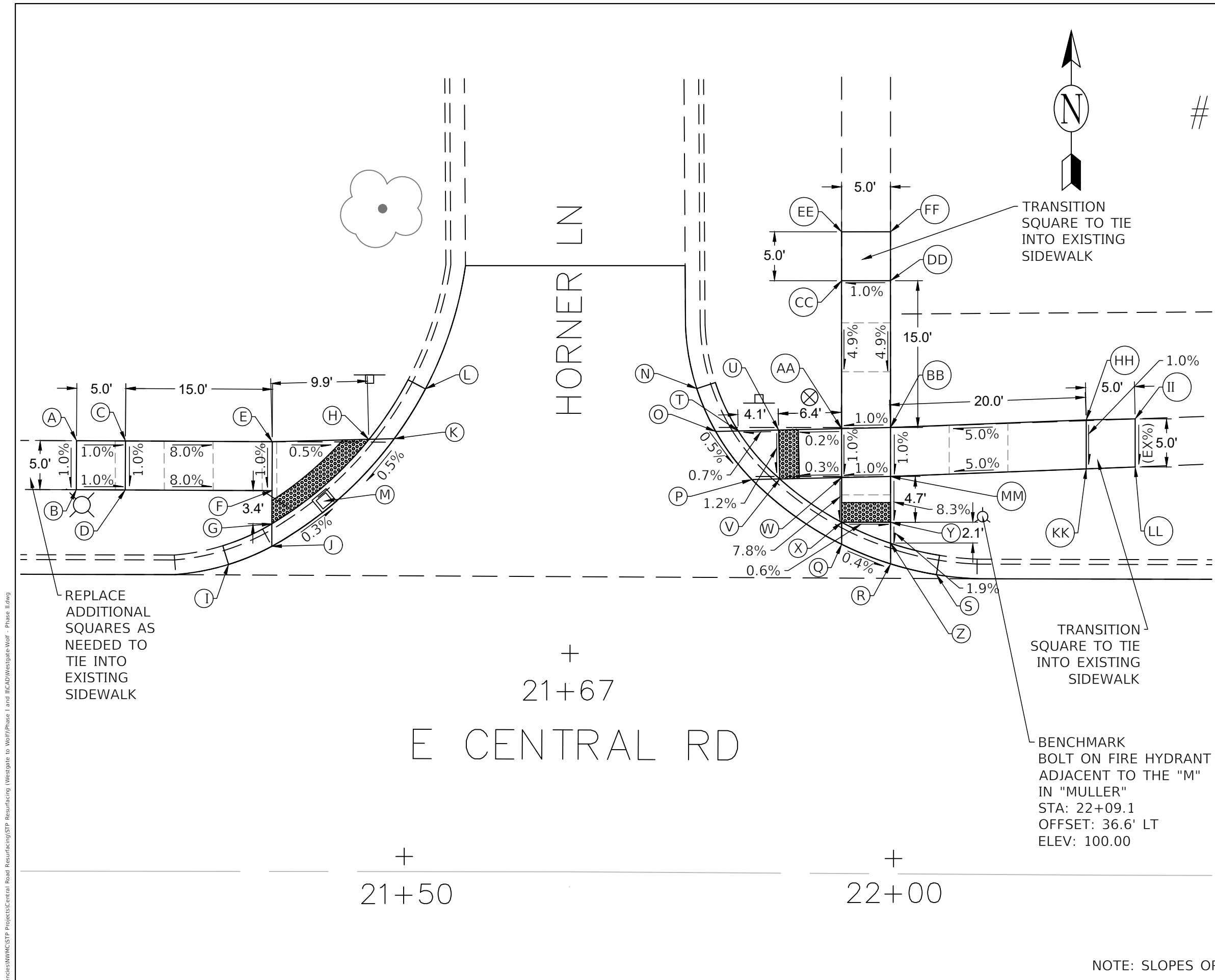
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
ADA DETAILS - ST. EMILY EAST

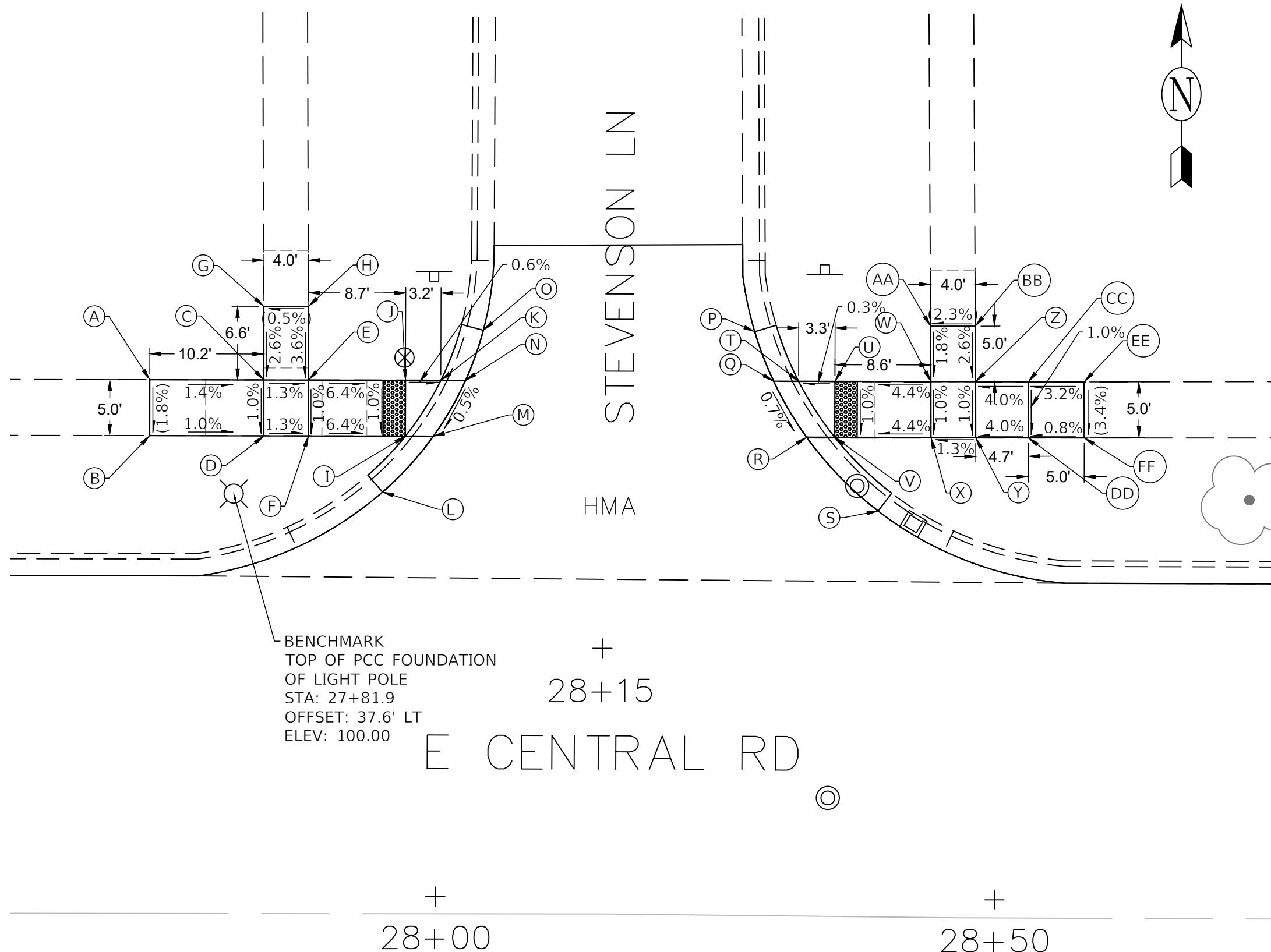
SCALE: SHEET 5 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	18
CONTRACT NO. 61K09			ILLINOIS FED. AID PROJECT	

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NOTE: SLOPES OR ELEVATIONS IN PARENTHESIS ARE EXISTING



	STATION	OFFSET		ELEVATION
A	27+74.5	47.7'	LT	(99.71')
B	27+74.5	42.7'	LT	(99.62')
C	27+84.7	47.7'	LT	99.57'
D	27+84.7	42.7'	LT	99.52'
E	27+88.7	47.7'	LT	99.52'
F	27+88.7	42.7'	LT	99.47'
G	27+84.7	54.3'	LT	(99.74')
H	27+88.7	54.3'	LT	(99.76')
I	27+97.3	42.7'	LT	98.92'
J	27+97.3	47.7'	LT	98.97'
K	28+00.5	47.7'	LT	98.95'
L	27+95.3	37.7'	LT	(98.87')
M	27+99.8	42.7'	LT	98.92'
N	28+02.7	47.7'	LT	98.95'
O	28+04.3	52.2'	LT	(99.01')
P	28+28.6	52.2'	LT	(99.18')
Q	28+30.3	47.8'	LT	99.19'
R	28+33.2	42.8'	LT	99.15'
S	28+39.6	36.3'	LT	(99.08')
T	28+32.5	47.8'	LT	99.19'
U	28+35.7	47.8'	LT	99.20'
V	28+35.7	42.8'	LT	99.15'
W	28+44.3	47.8'	LT	99.58'
X	28+44.3	42.8'	LT	99.53'
Y	28+48.3	42.8'	LT	99.58'
Z	28+48.3	47.8'	LT	99.63'
AA	28+44.3	52.9'	LT	(99.67')
BB	28+48.3	52.9'	LT	(99.76')
CC	28+53.0	47.8'	LT	99.82'
DD	28+53.0	42.8'	LT	99.77'
EE	28+58.0	47.8'	LT	(99.98')
FF	28+58.0	42.8'	LT	(99.81')

NOTE: SLOPES OR ELEVATIONS IN PARENTHESIS ARE EXISTING

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USER NAME	= LJF	DESIGNED	- LJF	REVISED	-
PLOT SCALE	=	DRAW	- LJF	REVISED	-
PLOT DATE	= 10/31/2023	CHECKED	- MPL	REVISED	-
		DATE	- 10/31/2023	REVISED	-

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

CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
ADA DETAILS - STEVENSON LANE

SCALE: SHEET 7 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	20
CONTRACT NO. 61K09				
ILLINOIS FED. AID PROJECT				

	STATION	OFFSET		ELEVATION
A	17+65.8	42.7'	RT	(99.56')
B	17+65.8	47.7'	RT	(99.60')
C	17+71.9	42.7'	RT	99.46'
D	17+71.9	47.7'	RT	99.41'
E	17+74.5	47.7'	RT	99.38'
F	17+71.5	39.8'	RT	(99.50')
G	17+74.4	42.8'	RT	99.46'
H	17+76.6	48.8'	RT	99.38'
I	17+77.8	52.3'	RT	(99.34')
J	18+06.4	52.2'	RT	(99.33')
K	18+08.2	47.9'	RT	99.44'
L	18+11.2	42.9'	RT	99.51'
M	18+15.6	37.9'	RT	(99.56')
N	18+10.4	47.9'	RT	99.44'
O	18+13.6	47.9'	RT	99.46'
P	18+13.7	42.9'	RT	99.51'
Q	18+18.7	48.0'	RT	99.85'
R	18+18.7	43.0'	RT	99.80'
S	18+23.7	48.0'	RT	99.90'
T	18+23.7	43.0'	RT	99.85'
U	18+28.7	48.0'	RT	100.05'
V	18+28.7	43.0'	RT	100.00'
W	18+33.7	48.0'	RT	(100.21')
X	18+33.7	43.4'	RT	(100.10')
Y	18+18.7	53.0'	RT	(99.95')
Z	18+23.7	53.0'	RT	(99.93')

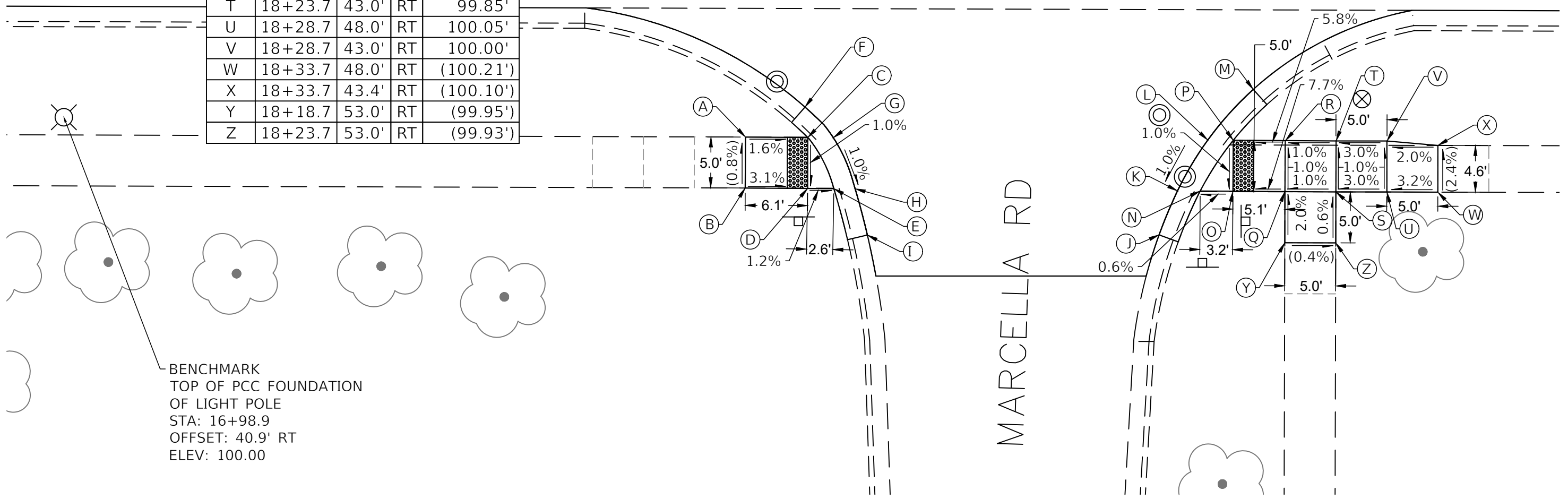


+  
17+00

+  
17+50

+  
18+00

E CENTRAL RD  
+  
18+00



BENCHMARK  
TOP OF PCC FOUNDATION  
OF LIGHT POLE  
STA: 16+98.9  
OFFSET: 40.9' RT  
ELEV: 100.00

NOTE: SLOPES OR ELEVATIONS IN PARENTHESIS ARE EXISTING

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PLOT SCALE =	DRAW - LJF	REVISED -
PLOT DATE = 10/31/2023	CHECKED - MPL	REVISED -
	DATE - 10/31/2023	REVISED -

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

CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
ADA DETAILS - MARCELLA ROAD

SCALE: SHEET 8 OF 11 SHEETS STA. TO STA.

F.A.U. RTE. 1300	SECTION 23-00178-00-R5	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 21
				CONTRACT NO. 61K09
ILLINOIS FED. AID PROJECT				



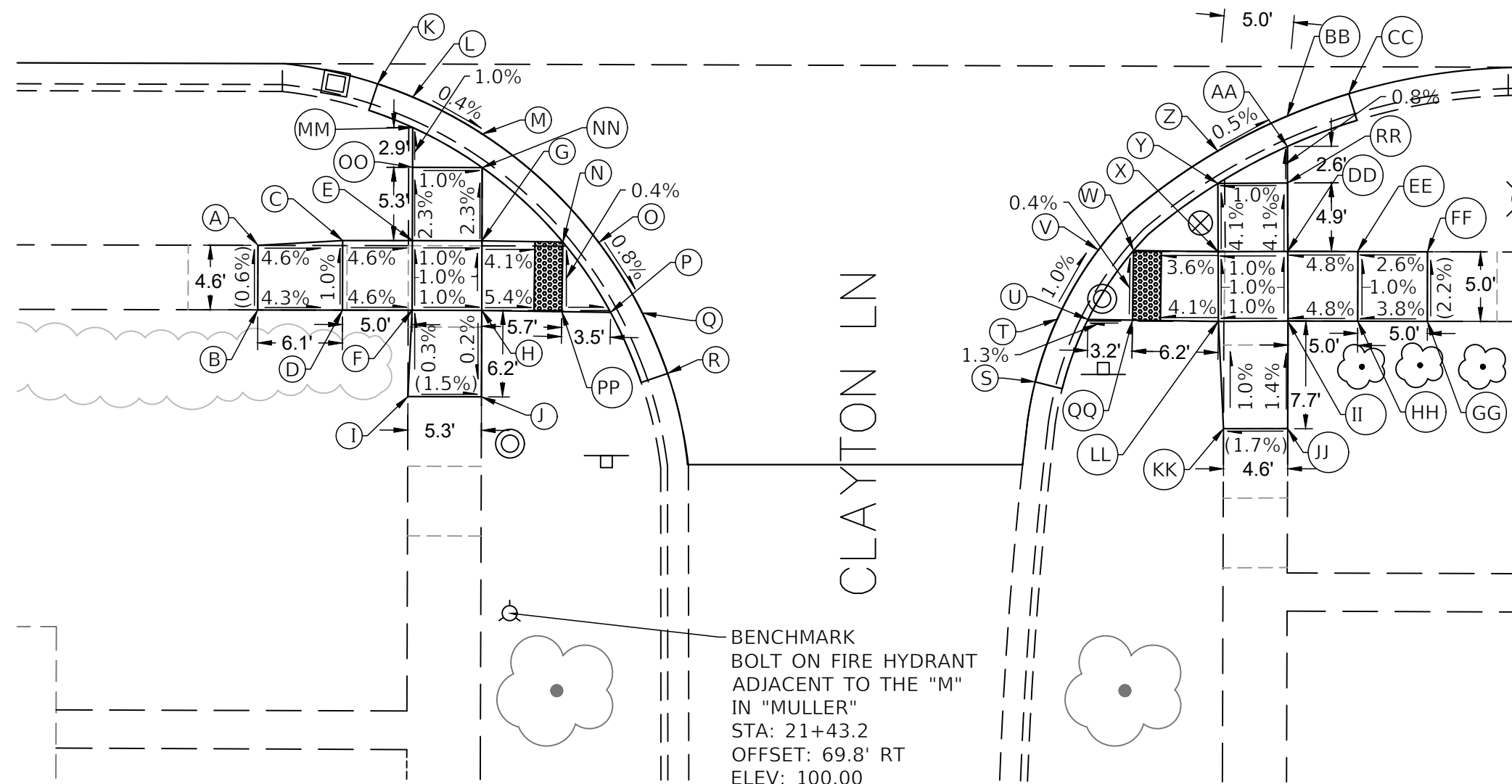
+  
21+50

+  
22+00

E CENTRAL RD

+  
21+67

CLAYTON LN



	STATION	OFFSET		ELEVATION
A	21+25.0	43.4'	RT	(98.12')
B	21+25.0	48.1'	RT	(98.15')
C	21+31.1	43.1'	RT	97.84'
D	21+31.1	48.1'	RT	97.89'
E	21+36.1	43.1'	RT	97.61'
F	21+36.1	48.1'	RT	97.66'
G	21+41.1	43.1'	RT	97.56'
H	21+41.1	48.1'	RT	97.61'
I	21+35.7	54.3'	RT	(97.68')
J	21+41.0	54.3'	RT	(97.60')
K	21+33.6	31.8'	RT	(97.48')
L	21+36.1	32.8'	RT	97.46'
M	21+41.1	35.4'	RT	97.44'
N	21+46.9	43.2'	RT	97.32'
O	21+49.4	43.2'	RT	97.32'
P	21+50.3	48.2'	RT	97.27'
Q	21+52.6	48.2'	RT	97.27'
R	21+54.4	52.6'	RT	(97.18')
S	21+80.8	53.1'	RT	(97.24')
T	21+82.4	48.6'	RT	97.27'
U	21+84.6	48.6'	RT	97.27'
V	21+85.3	43.6'	RT	97.29'
W	21+87.8	43.6'	RT	97.29'
X	21+93.9	43.7'	RT	97.51'
Y	21+93.9	38.8'	RT	97.31'
Z	21+93.9	36.4'	RT	97.31'
AA	21+98.9	36.1'	RT	97.34'
BB	21+98.9	33.9'	RT	97.34'
CC	22+03.3	32.3'	RT	(97.20')
DD	21+98.9	43.6'	RT	97.56'
EE	22+03.9	43.6'	RT	97.80'
FF	22+08.9	43.6'	RT	(97.98')
GG	22+08.9	48.6'	RT	(98.09')
HH	22+03.9	48.6'	RT	97.85'
II	21+98.9	48.6'	RT	97.61'
JJ	21+98.9	56.3'	RT	(97.72')
KK	21+94.3	56.3'	RT	(97.64')
LL	21+93.9	48.7'	RT	97.56'
MM	21+36.1	34.9'	RT	97.46'
NN	21+41.1	37.8'	RT	97.44'
OO	21+36.1	37.8'	RT	97.49'
PP	21+46.8	48.2'	RT	97.30'
QQ	21+87.8	48.6'	RT	97.31'
RR	21+98.9	38.7'	RT	97.36'

NOTE: SLOPES OR ELEVATIONS IN PARENTHESIS ARE EXISTING

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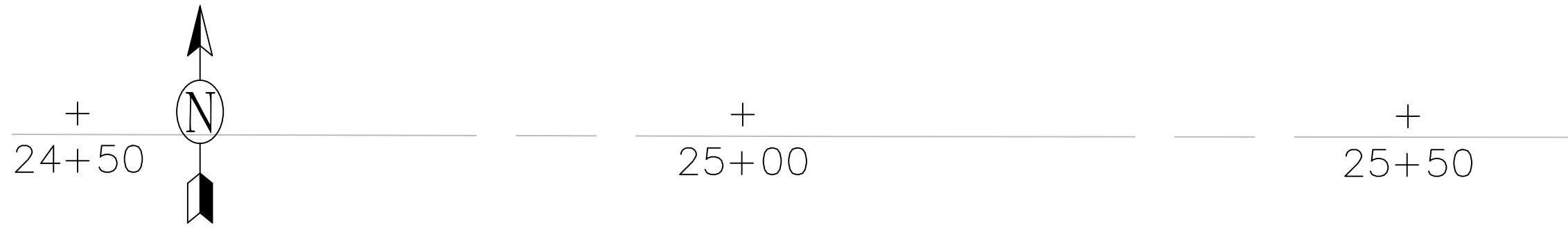
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PLOT SCALE =	DRAW - LJF	REVISED -
PLOT DATE = 10/31/2023	CHECKED - MPL	REVISED -
	DATE - 10/31/2023	REVISED -

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

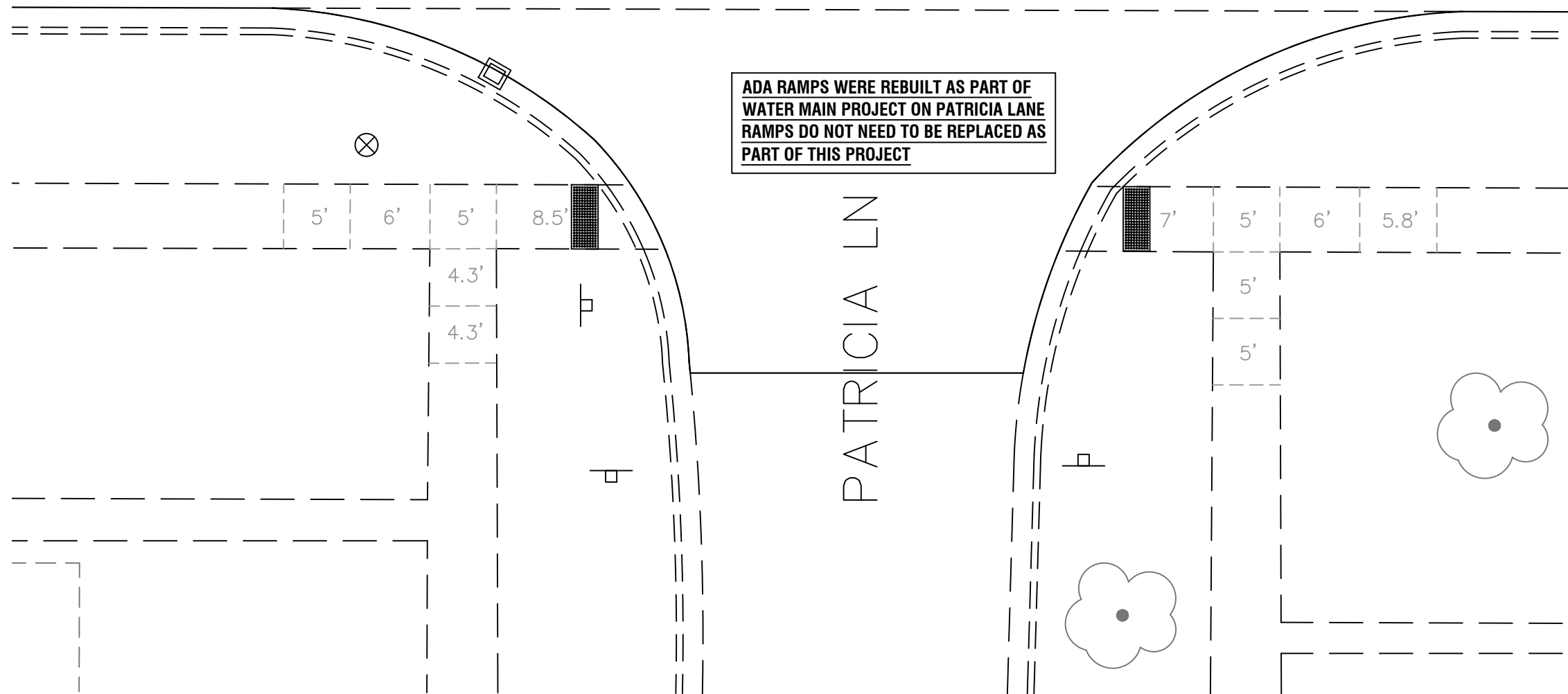
CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
ADA DETAILS - MARCELLA ROAD

SCALE: SHEET 9 OF 11 SHEETS STA. TO STA.

F.A.U. RTE. 1300	SECTION 23-00178-00-R5	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 22
CONTRACT NO. 61K09				ILLINOIS FED. AID PROJECT



E CENTRAL RD  
+  
25+00



ADA RAMPS WERE REBUILT AS PART OF  
WATER MAIN PROJECT ON PATRICIA LANE  
RAMPS DO NOT NEED TO BE REPLACED AS  
PART OF THIS PROJECT

PATRICIA LN

NOTE: SLOPES OR ELEVATIONS IN PARENTHESIS ARE EXISTING

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USER NAME	= LJF	DESIGNED	- LJF
DRAW	- LJF	REVISIONS	-
PLOT SCALE	=	CHECKED	- MPL
PLOT DATE	= 10/31/2023	DATE	- 10/31/2023

REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

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

CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
ADA DETAILS - MARCELLA ROAD

SCALE: SHEET 10 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	23
CONTRACT NO. 61K09				
ILLINOIS FED. AID PROJECT				

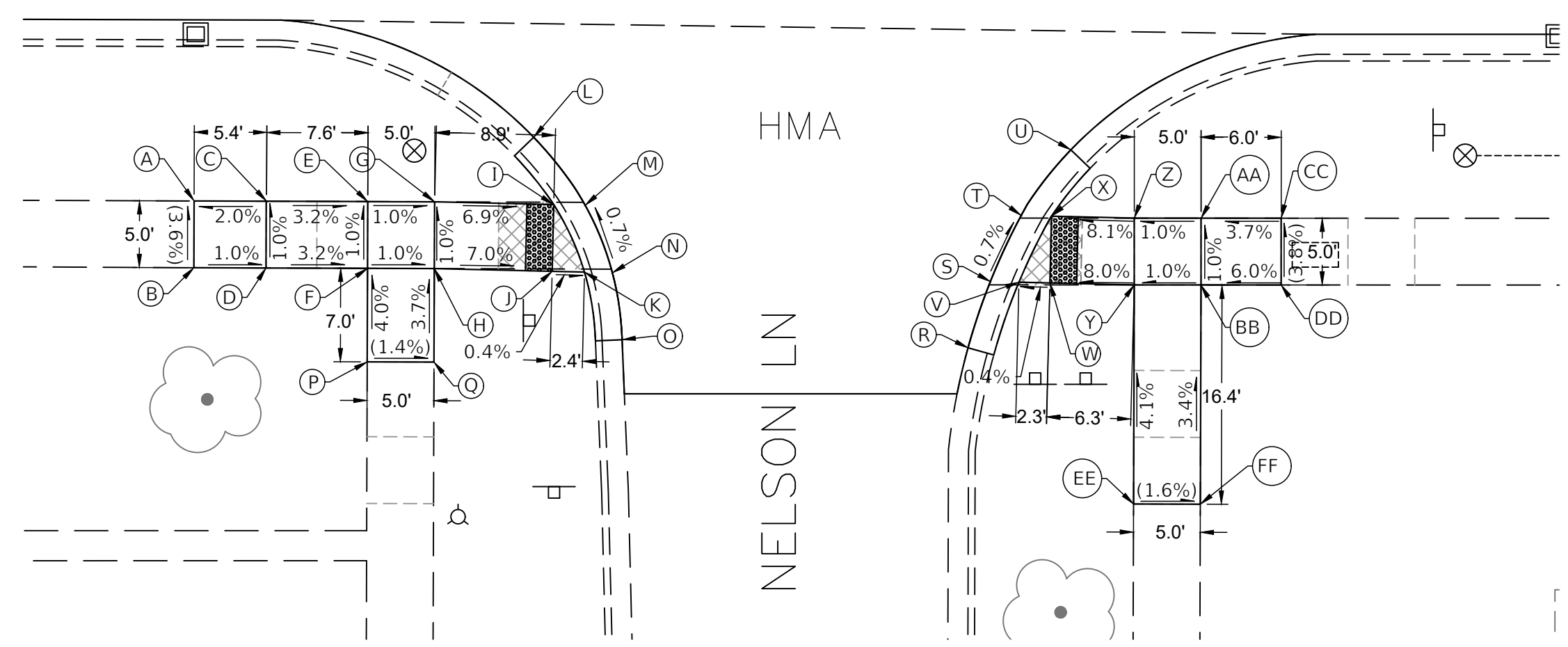






+  
31+50

+  
32+00



	STATION	OFFSET	ELEVATION
A	31+40.5	44.0' RT	(97.34')
B	31+40.4	49.0' RT	(97.52')
C	31+45.9	43.9' RT	97.45'
D	31+45.8	48.9' RT	97.50'
E	31+53.5	43.9' RT	97.21'
F	31+53.4	48.9' RT	97.26'
G	31+58.5	43.9' RT	97.16'
H	31+58.4	48.9' RT	97.21'
I	31+67.4	44.0' RT	96.54'
J	31+67.3	49.0' RT	96.59'
K	31+69.7	49.0' RT	96.58'
L	31+65.9	39.0' RT	(96.50')
M	31+69.7	44.0' RT	96.54'
N	31+71.8	49.1' RT	96.58'
O	31+72.5	54.1' RT	(96.59')
P	31+53.4	55.9' RT	(97.54')
Q	31+58.4	55.9' RT	(97.47')
R	31+98.4	54.5' RT	(96.54')
S	32+00.1	49.5' RT	96.51'
T	32+02.4	44.5' RT	96.47'
U	32+06.1	39.6' RT	(96.37')
V	32+02.2	49.5' RT	96.51'
W	32+04.5	49.5' RT	96.52'
X	32+04.6	44.5' RT	96.47'
Y	32+10.8	49.6' RT	97.02'
Z	32+10.8	44.6' RT	96.97'
AA	32+15.8	44.6' RT	97.02'
BB	32+15.8	49.6' RT	97.07'
CC	32+21.8	44.5' RT	(97.24')
DD	32+21.8	49.5' RT	(97.43')
EE	32+10.8	66.0' RT	(97.70')
FF	32+15.8	66.0' RT	(97.62')

NOTE: SLOPES OR ELEVATIONS IN PARENTHESIS ARE EXISTING

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PLOT SCALE =	DRAW - LJF	REVISED -
PLOT DATE = 10/31/2023	CHECKED - MPL	REVISED -
	DATE - 10/31/2023	REVISED -

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

CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
ADA DETAILS - MARCELLA ROAD

SCALE: SHEET 10 OF 11 SHEETS STA. TO STA.

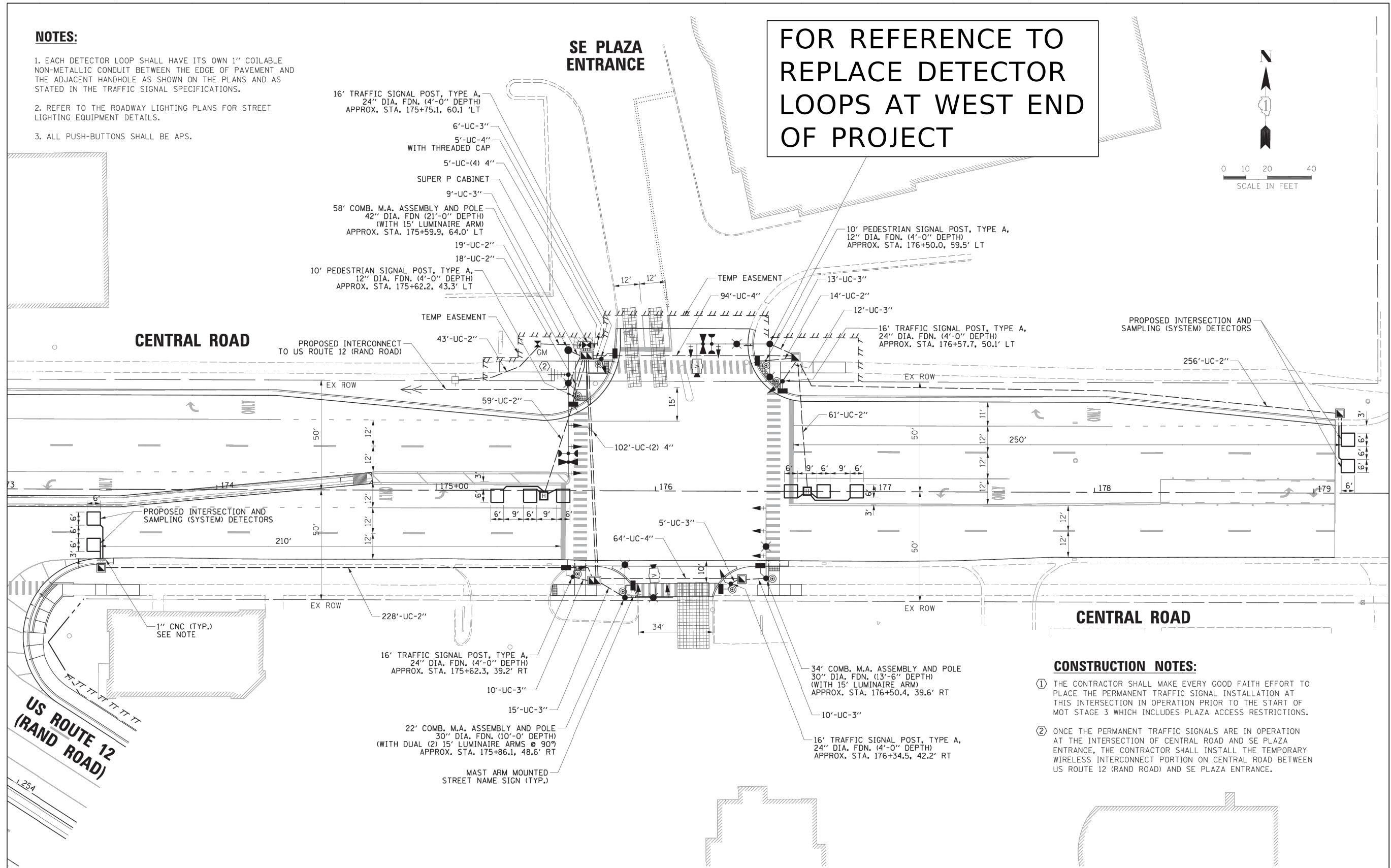
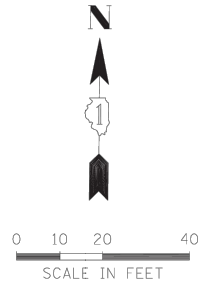
F.A.U. RTE. 1300	SECTION 23-00178-00-R5	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 25
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61K09

**NOTES:**

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. REFER TO THE ROADWAY LIGHTING PLANS FOR STREET LIGHTING EQUIPMENT DETAILS.
3. ALL PUSH-BUTTONS SHALL BE APS.

**SE PLAZA ENTRANCE**

**FOR REFERENCE TO REPLACE DETECTOR LOOPS AT WEST END OF PROJECT**



**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR SHALL MAKE EVERY GOOD FAITH EFFORT TO PLACE THE PERMANENT TRAFFIC SIGNAL INSTALLATION AT THIS INTERSECTION IN OPERATION PRIOR TO THE START OF MOT STAGE 3 WHICH INCLUDES PLAZA ACCESS RESTRICTIONS.
- ② ONCE THE PERMANENT TRAFFIC SIGNALS ARE IN OPERATION AT THE INTERSECTION OF CENTRAL ROAD AND SE PLAZA ENTRANCE, THE CONTRACTOR SHALL INSTALL THE TEMPORARY WIRELESS INTERCONNECT PORTION ON CENTRAL ROAD BETWEEN US ROUTE 12 (RAND ROAD) AND SE PLAZA ENTRANCE.

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
N:\MOUNTPROSPECT\200015\Traffic\Central Plaza.01.MXD.dgn	nhowellindgren	BC	
	PLOT SCALE =	DRAWN -	REVISED -
	20'	FPB	
	PLOT DATE =	CHECKED -	REVISED -
	3/10/2022	TFS	
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN  
CENTRAL ROAD AND PLAZA ENTRANCE /DRIVEWAY**

SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	17-00166-00-CH	COOK	264	159
CONTRACT NO. 61H44				
ILLINOIS FED. AID PROJECT				



USER NAME =	DESIGNED -	REVISED -
LJF	LJF	
PLOT SCALE =	CHECKED -	REVISED -
	MPL	
PLOT DATE =	DATE -	REVISED -
10/31/2023	10/31/2023	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
MOUNT PROSPECT PLAZA - DETECTOR LOOPS**

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

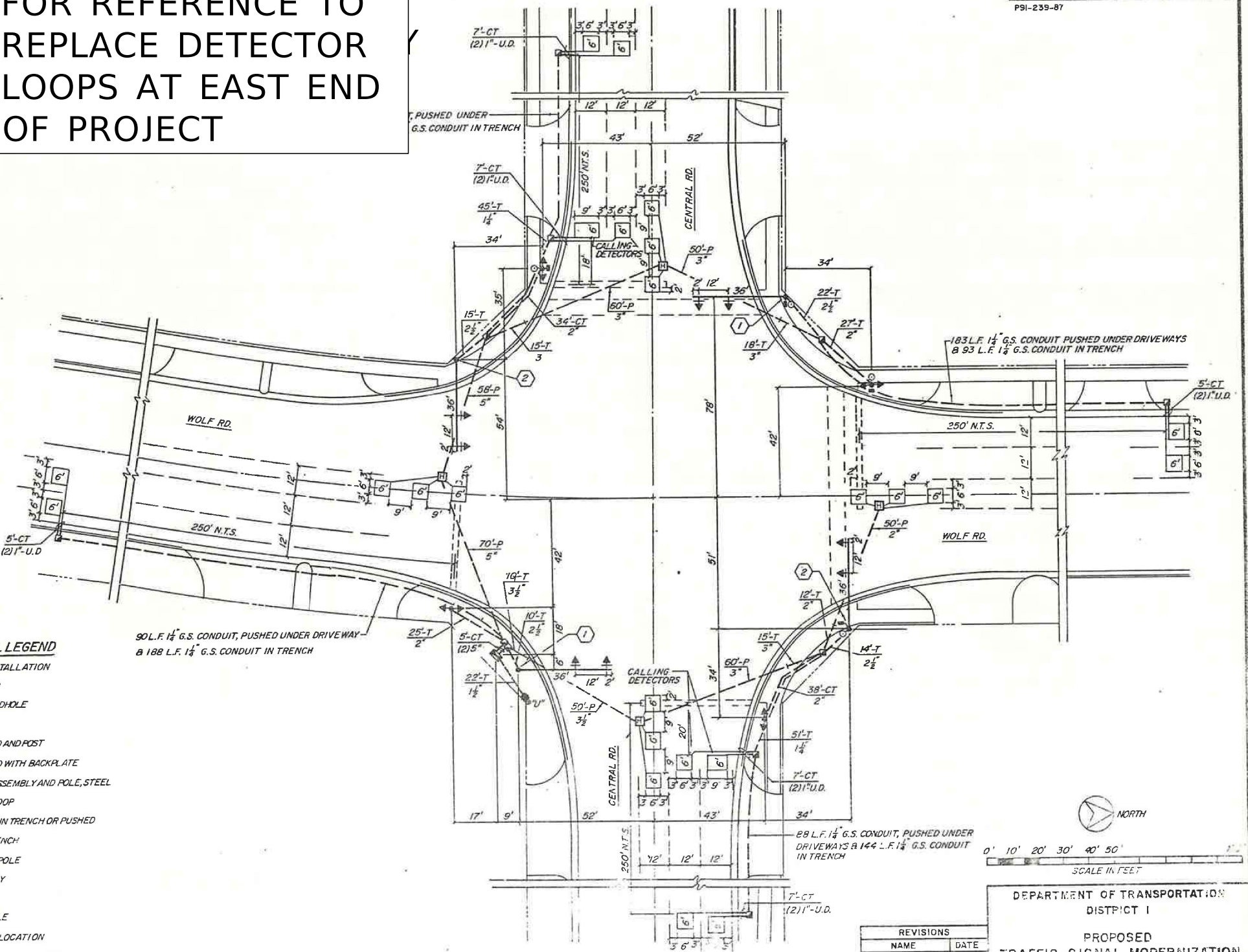
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-RS	COOK	38	26
CONTRACT NO. 61K09				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU2892	3539R-87	COOK	105	169
U.S. BUR. PUB. ROADS, DIV. 4 ILLINOIS F.A. PROJECT				
PSI-239-87				

**FOR REFERENCE TO REPLACE DETECTOR LOOPS AT EAST END OF PROJECT**

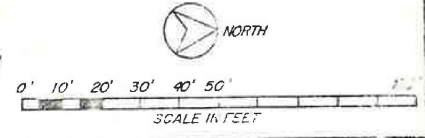
**GENERAL NOTES**

- ALL DETECTOR LOOPS SHALL CONSIST OF THE NUMBER OF TURNS AS REQUIRED AND SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE LOOP DETECTOR AMPLIFIER MANUFACTURERS RECOMMENDATIONS. THE DETECTOR LOOP SHALL BE MEASURED FOR THAT PORTION OF SAW CUT BEYOND THE SPLICE AS SPECIFIED IN SECTION T-418.04 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- LEAD-IN WIRING SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE MANUFACTURERS RECOMMENDATIONS. THE 2/C SHIELDED CABLE TO BE USED FOR THE DETECTOR LOOP LEAD-IN SHALL BE MEASURED FROM THE SPLICE TO THE CONTROLLER AS SPECIFIED IN SECTION T-421.04 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. FLAT CABLE WILL NOT BE PERMITTED.
- ALL SIGNAL AND DETECTOR ELECTRIC CABLE THAT IS FURNISHED BY THE CONTRACTOR SHALL BE PROTECTED BY POLYETHYLENE INSULATION WITH A POLYVINYLCHLORIDE JACKET. SERVICE CABLE MAY HAVE AN XLP JACKET.
- THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING AT HANDHOLES, JACKING PITS, INSPECTION OPENINGS AND CONCRETE JUNCTION BOXES SHALL BE SAW CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING WILL BE PAID FOR SEPARATELY.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFY BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES CALL J.U.L.I.E. TOLL FREE NUMBER 800-892-0123 AND STATE MAINTAINED TRAFFIC SIGNALS 312-287-7600.
- ALL SIGNAL POST AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF FOUR (4) AND SIX (6) FEET RESPECTIVELY FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. SIGNAL POSTS SHOULD BE PLACED AT A MINIMUM OF TWO (2) FEET BEHIND THE EDGE OF SHOULDER.
- THE RESIDENT ENGINEER SHALL MARK LOCATIONS OF ALL DETECTOR LOOPS AND CONTACT THE I.D.O.T. AREA TRAFFIC SIGNAL ENGINEER AT 705-4139 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF LOOPS.



**TRAFFIC SIGNAL LEGEND**

- SERVICE INSTALLATION
- CONTROLLER
- DOUBLE HANDHOLE
- HANDHOLE
- SIGNAL HEAD AND POST
- SIGNAL HEAD WITH BACKPLATE
- MAST ARM ASSEMBLY AND POLE, STEEL
- DETECTOR LOOP
- G.S. CONDUIT IN TRENCH OR PUSHED
- COMMON TRENCH
- UTILITY CO. POLE
- R.O.W.
- U.D.
- N.T.S.
- SIGN PANEL LOCATION
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSHBUTTON
- HEAVY DUTY HANDHOLE



HAFTHON E. HICKS & ASSOCIATES  
9525 SO. 79TH AVENUE  
HICKORY HILLS, ILLINOIS 60457

REVISIONS	
NAME	DATE

DEPARTMENT OF TRANSPORTATION  
DISTRICT I  
**PROPOSED TRAFFIC SIGNAL MODERNIZATION  
WOLF RD. & CENTRAL RD.**  
SCALE: 1" = 20'-0"  
DATE: 10-27-87  
DRAWN BY: H.M.  
CHECKED BY: H.E.H.



USER NAME = LIF	DESIGNED - LIF	REVISED -
PLOT SCALE =	DRAW - LIF	REVISED -
PLOT DATE = 10/31/2023	CHECKED - MPL	REVISED -
	DATE - 10/31/2023	REVISED -

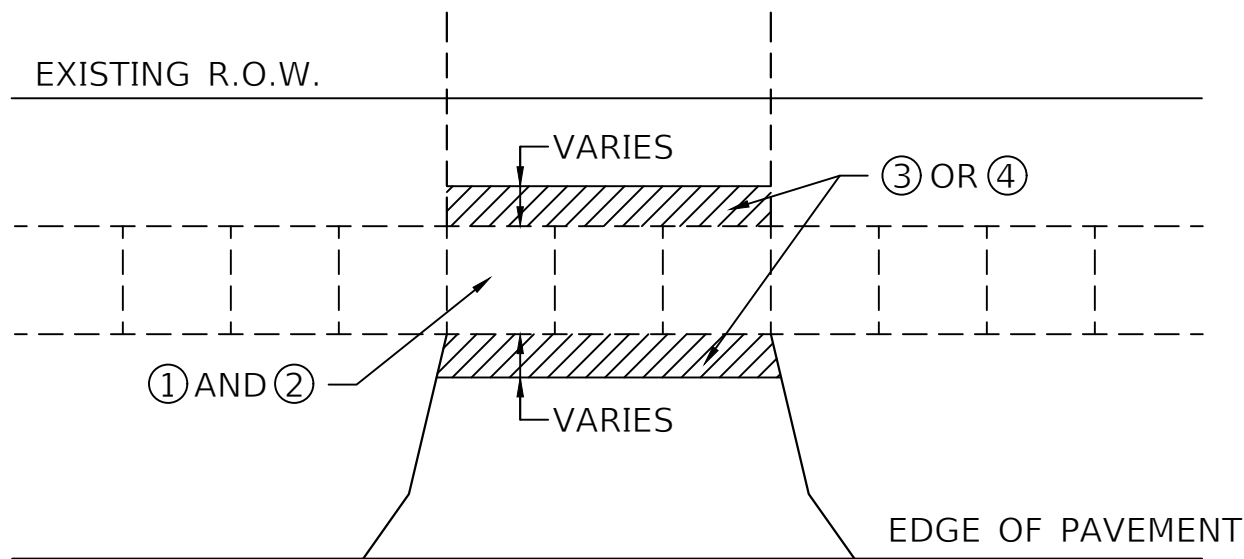
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
WOLF ROAD - DETECTOR LOOPS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	27
CONTRACT NO. 61K09				
ILLINOIS FED. AID PROJECT				

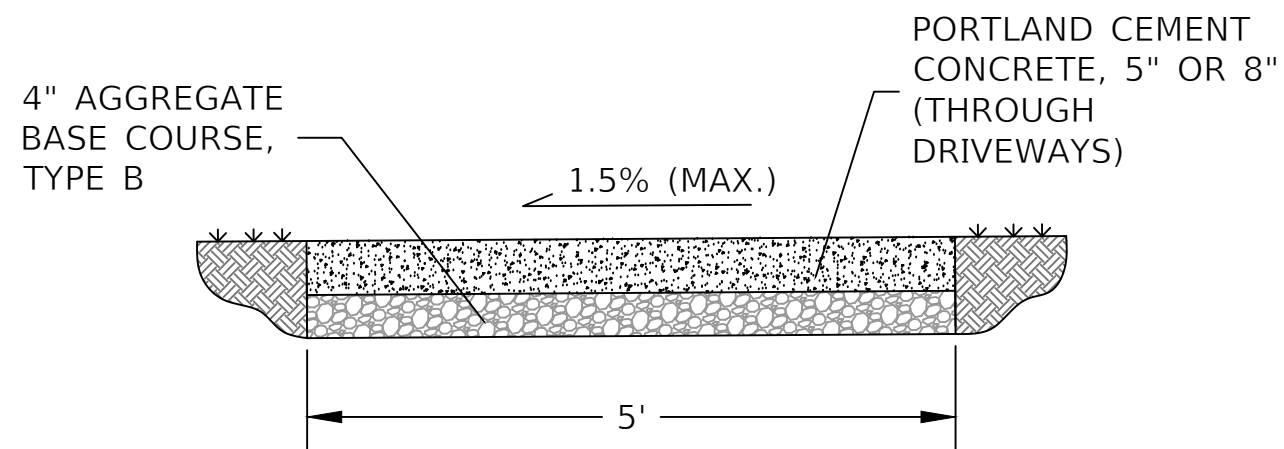
H:\Engineering\Agencies\WV\MC\STP Projects\Central Road Resurfacing\STP Resurfacing (Westgate to Wolf)\Phase 1 and IICAD\Westgate-Wolf - Phase II.dwg



**TYPICAL DRIVEWAY DETAIL**  
N.T.S.

**LEGEND:**

1. PORTLAND CEMENT CONCRETE SIDEWALK, 8"
2. AGGREGATE BASE COURSE, TYPE B, 6", CA-6
3. HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50, 3"
4. PORTLAND CEMENT CONCRETE DRIVEWAY, 8"



**PCC SIDEWALK DETAIL**  
N.T.S.

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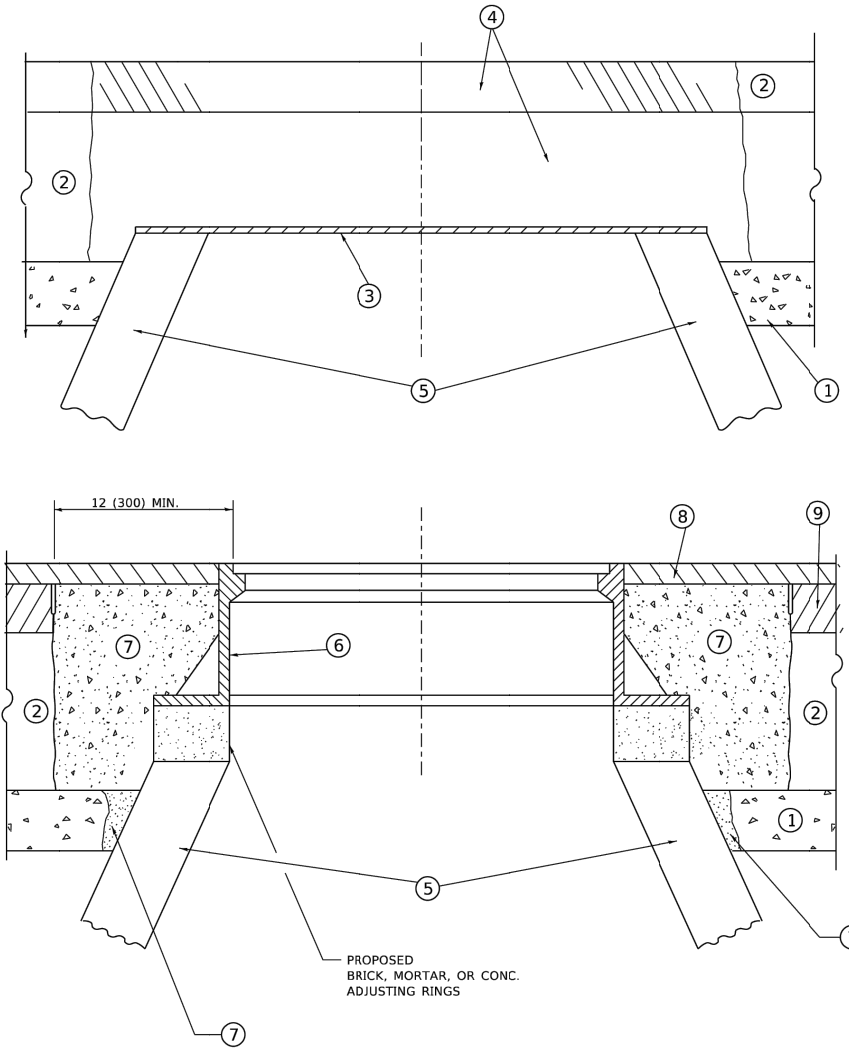
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PLOT DATE = 10/31/2023	DATE - 10/31/2023	REVISED -

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

CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
VILLAGE OF MOUNT PROSPECT DETAILS

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

F.A.U. RTE. 1300	SECTION 23-00178-00-R5	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 28
			CONTRACT NO. 61K09	
		ILLINOIS FED. AID PROJECT		



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

**NOTES**

- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

**CONSTRUCTION PROCEDURES**

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
  - REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
  - COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
  - BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).
- STAGE 2 (AFTER PAVEMENT MILLING)**
- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
  - INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
  - THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- \*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- |  |                               |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL                 | ⑥ FRAME AND LID (SEE NOTES)   |
| ② EXISTING PAVEMENT                          | ⑦ CLASS PP-2* CONCRETE        |
| ③ 36 (900) DIAMETER METAL PLATE              | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE  |
| ⑤ EXISTING STRUCTURE                         |                               |

**LOCATION OF STRUCTURES**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT**

- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 12-06-11		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	<b>BD600-03 (BD-08)</b>		CONTRACT NO.	
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 11-18-22						ILLINOIS FED. AID PROJECT		
		REVISED - K. SMITH 09-15-23								



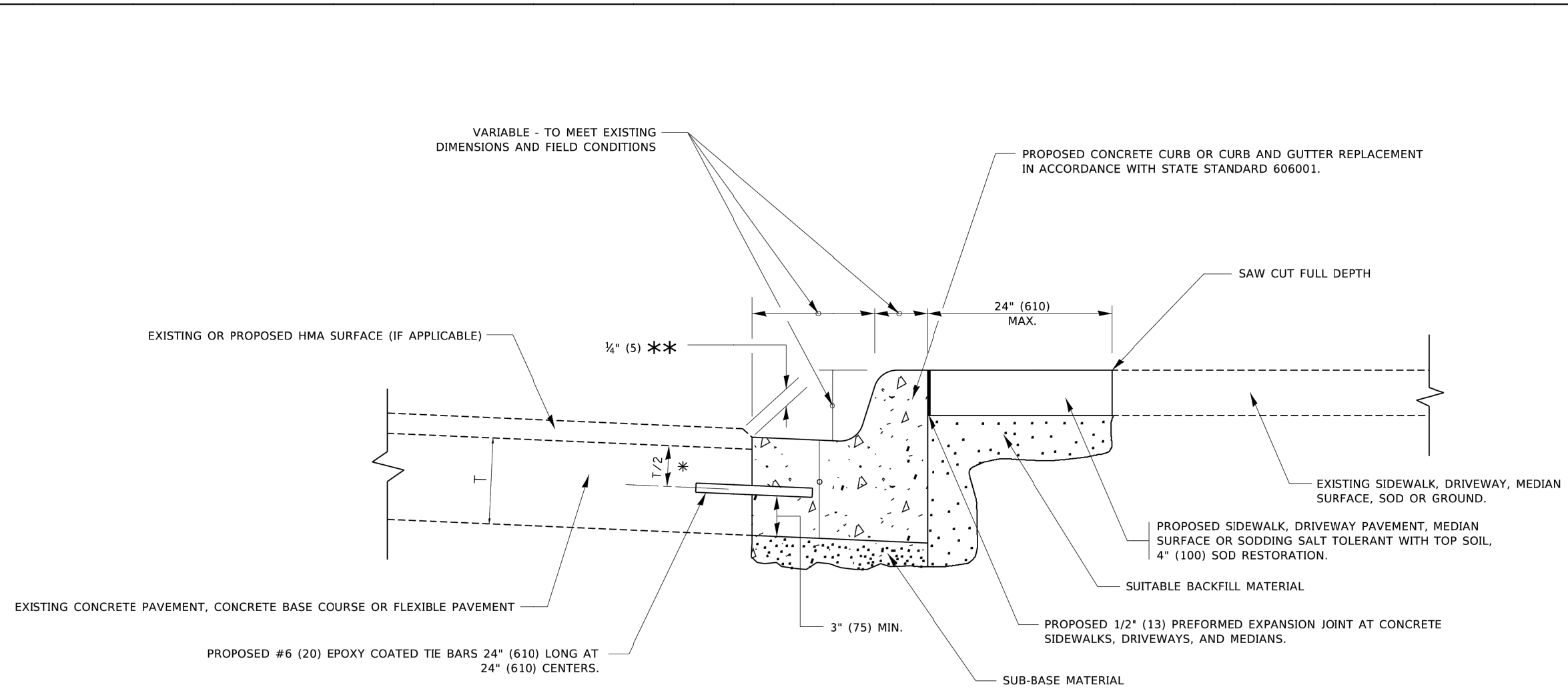
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PLOT DATE = 10/31/2023	DATE - 10/31/2023	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
DISTRICT 1 DETAIL - BD-08

SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	29
CONTRACT NO. 61K09				
ILLINOIS FED. AID PROJECT				



- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

## CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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USER NAME = footemj	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - R. BORO 12-15-09			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	<b>BD600-06 (BD-24)</b> CONTRACT NO.			
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19			ILLINOIS FED. AID PROJECT						

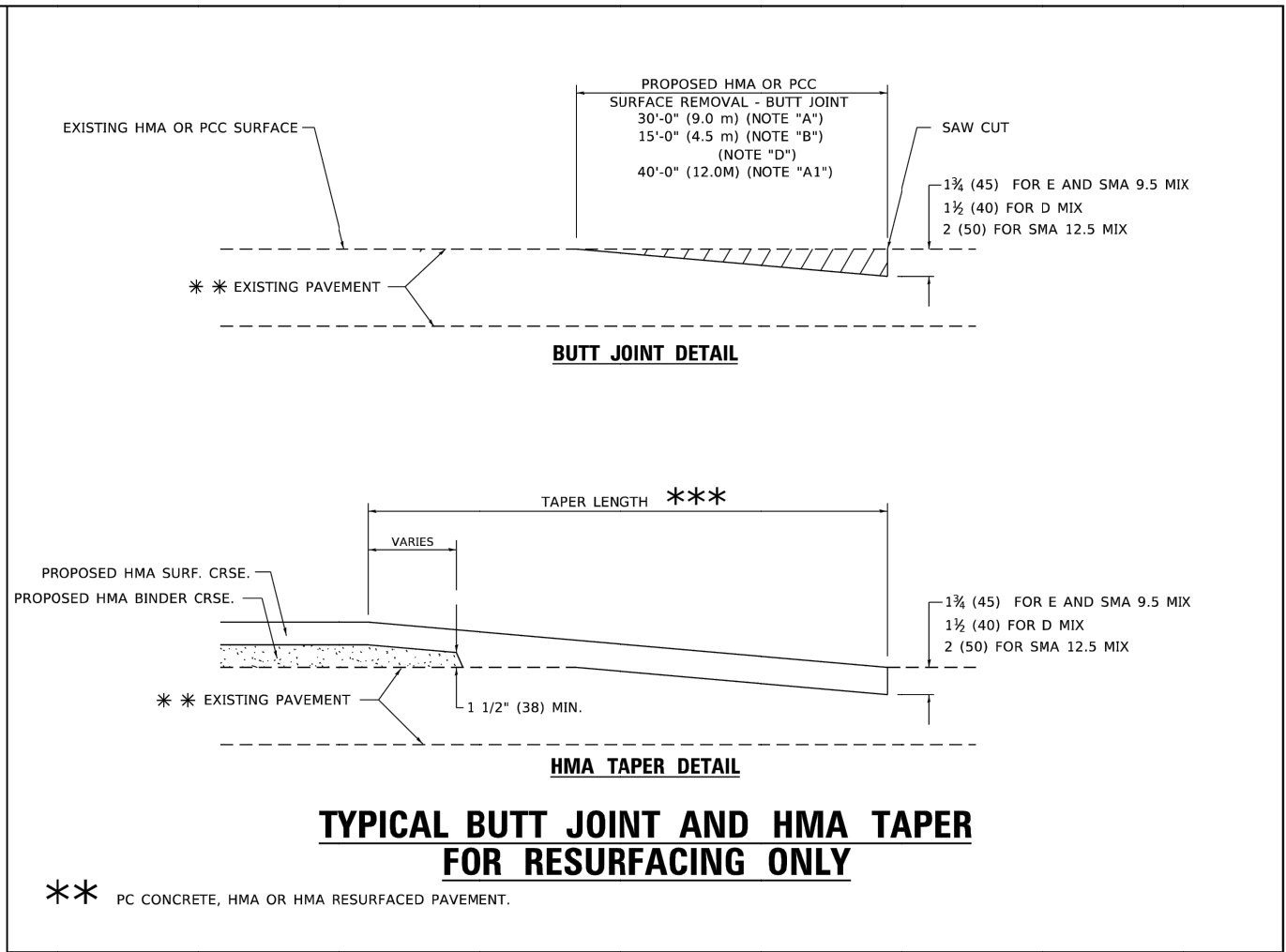
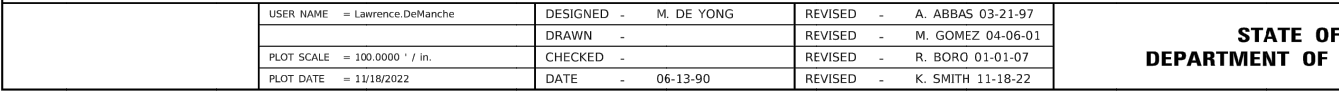
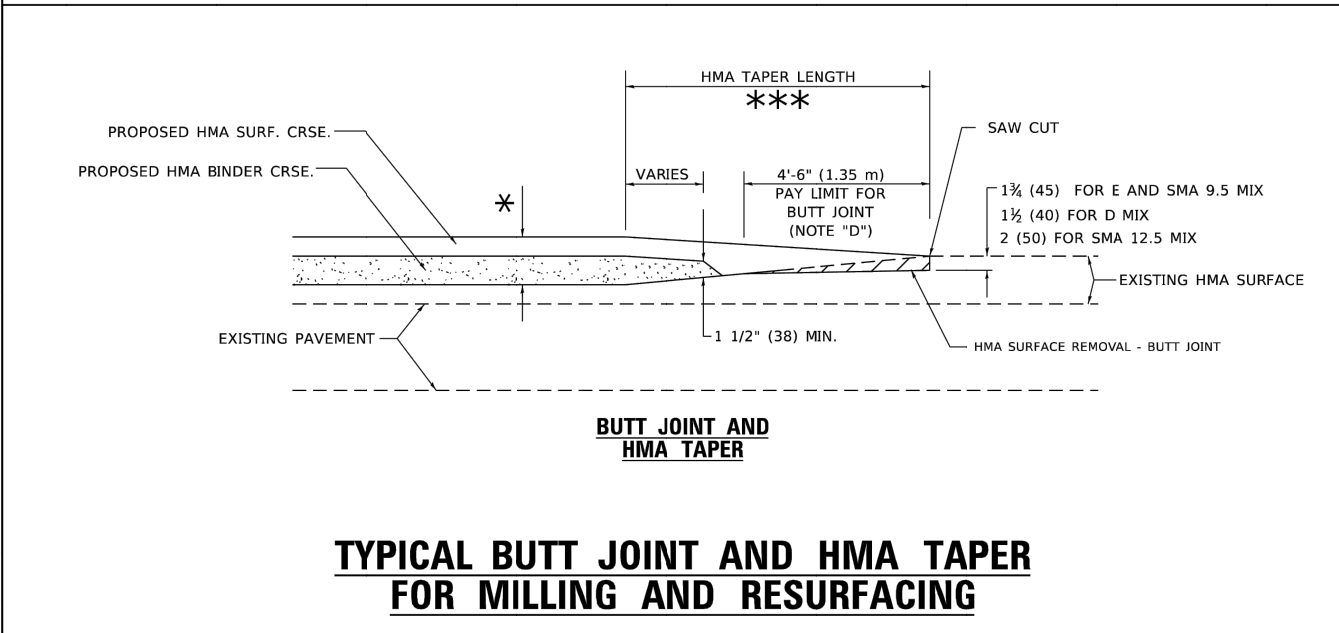
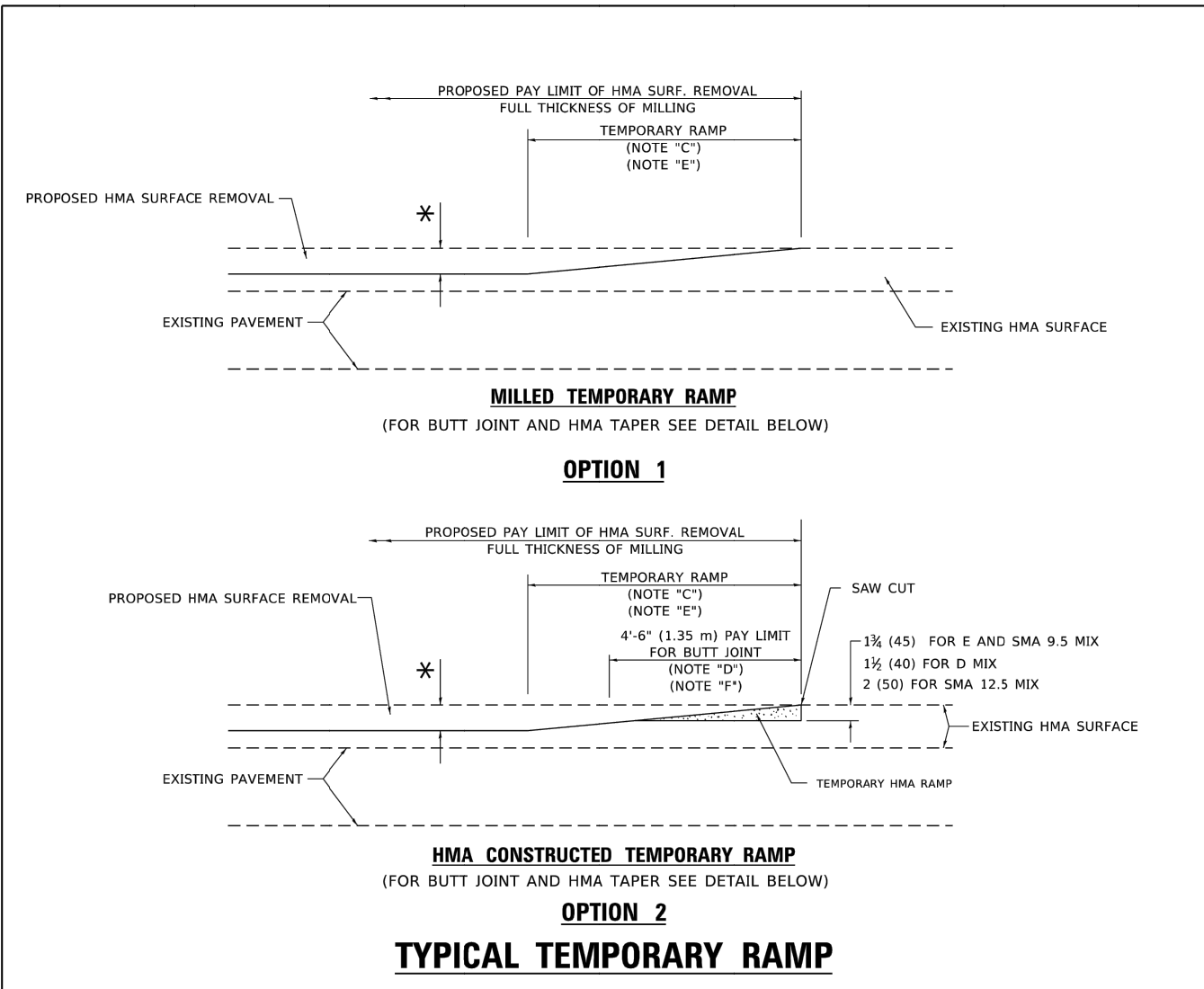
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PLOT DATE = 10/31/2023	DATE - 10/31/2023	REVISED -

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>
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<b>CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD DISTRICT 1 DETAIL - BD-24</b>	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	30
CONTRACT NO. 61K09				
ILLINOIS FED. AID PROJECT				





**GENERAL NOTES**

- MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- INTERSTATES
- MINOR SIDE ROADS.
- THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- TAPER THE TEMP. RAMP AT A RATE OF 3" - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
  - \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
  - 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

- THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".
- THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

MODEL: P:\work\h... FILE NAME: P:\work\h... \Projects\1055622\34\CAO\Drawings\11\11182023\11182023.dwg

USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
DRAWN - L.J.F.	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100.0000' / in.	DATE - 06-13-90	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 10/31/2023	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-05 BD-32	COOK	38	31
ILLINOIS FED. AID PROJECT CONTRACT NO.				

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USER NAME = LJF	DESIGNED - LJF	REVISED -
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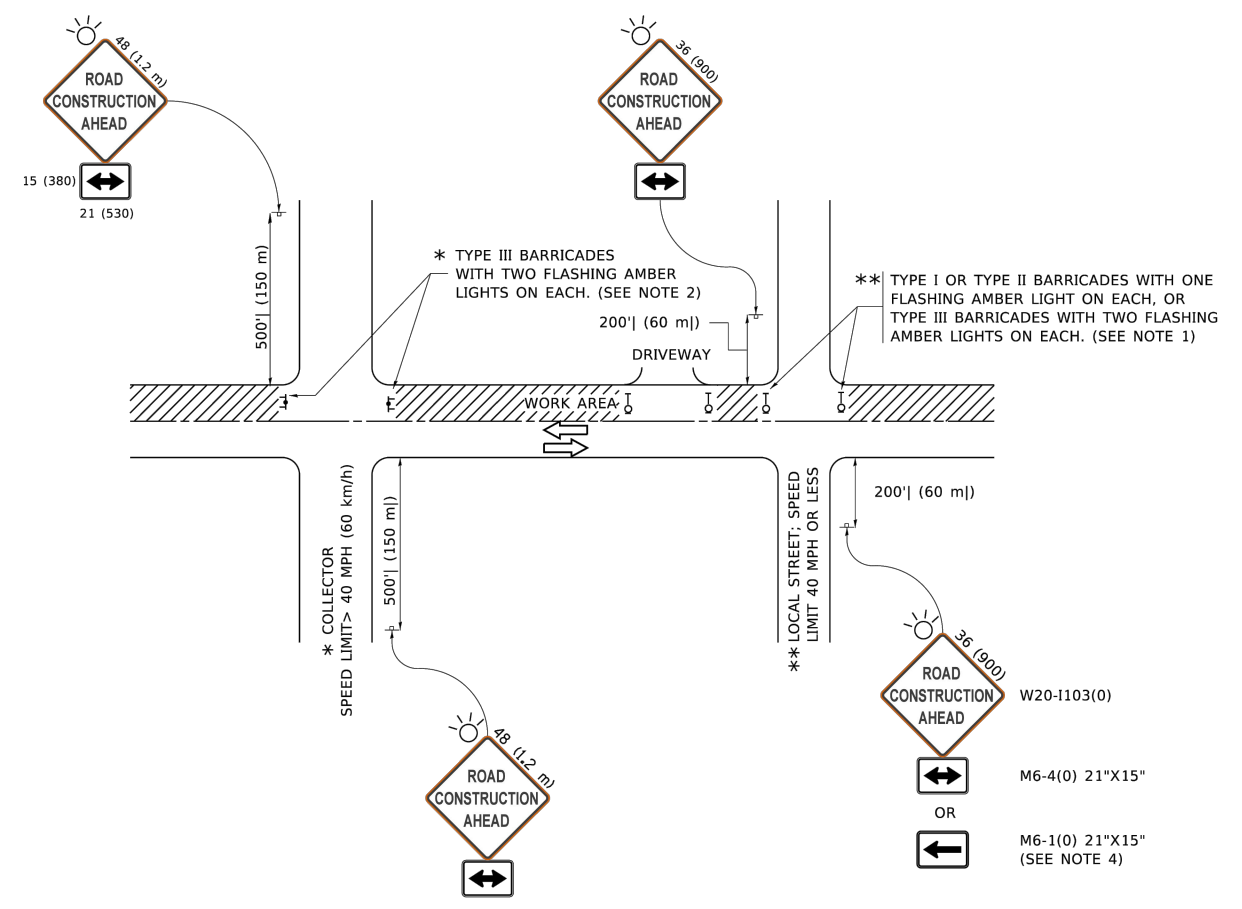
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
DISTRICT 1 DETAIL - BD-32**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	31
ILLINOIS FED. AID PROJECT CONTRACT NO. 61K09				

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**NOTES:**

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

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

USER NAME = foitemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 50.0000' / in.	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

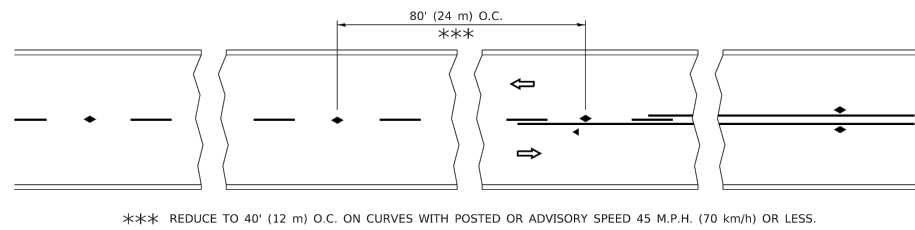
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		SHEET 1 OF 1 SHEETS		ILLINOIS		FED. AID PROJECT		



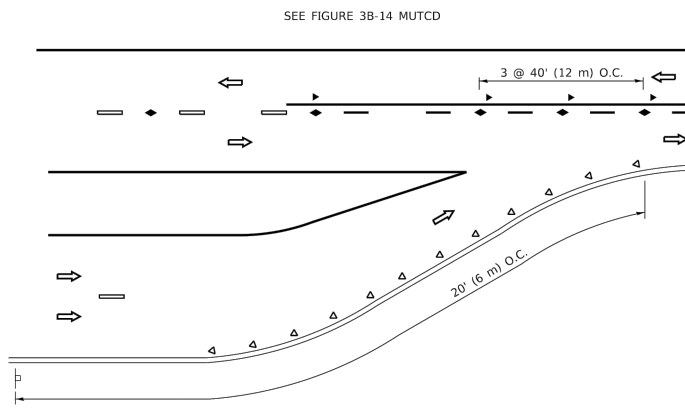
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PLOT DATE = 10/31/2023	DATE - 10/31/2023	REVISED -

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD DISTRICT 1 DETAIL - TC-10</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		SCALE:		<b>TC-10</b>		CONTRACT NO. 61K09		
		SHEET 1 OF 1 SHEETS		ILLINOIS		FED. AID PROJECT		

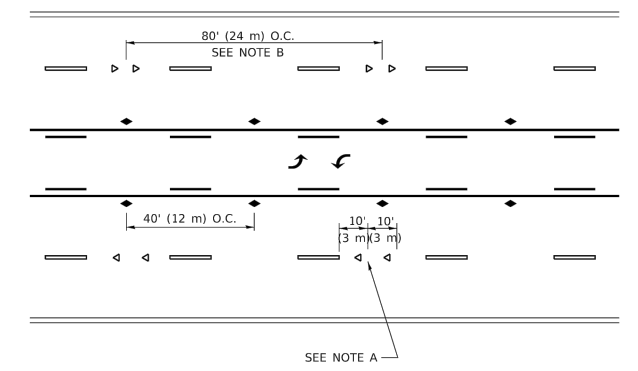




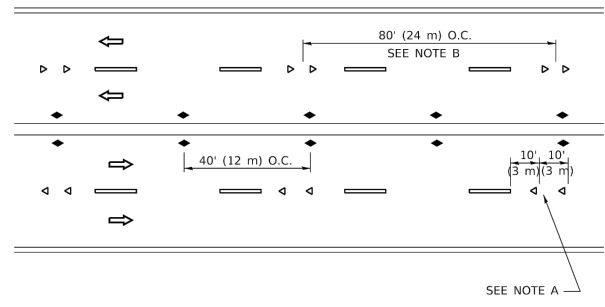
**TWO-LANE/TWO-WAY**



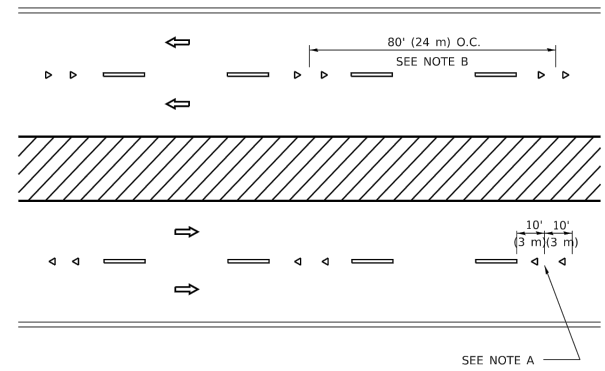
**LANE REDUCTION TRANSITION**



**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**

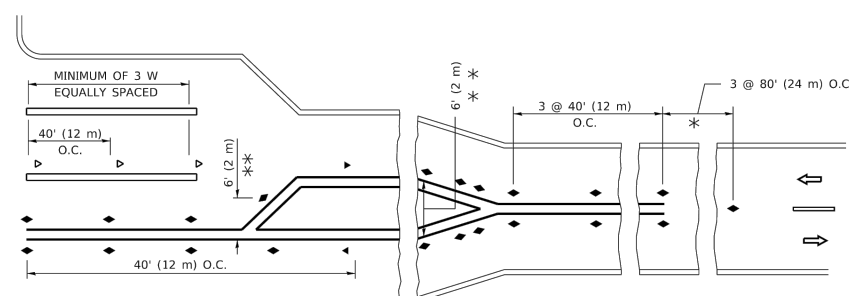
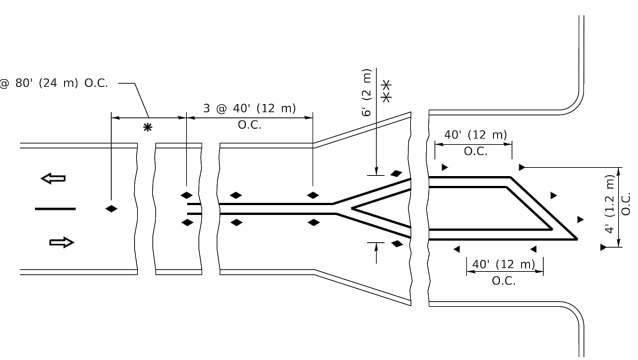
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**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.



**TURN LANES**

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

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

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PLOT SCALE = 50.0000' / in.	DRAWN - LJF	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	CHECKED - MPL	REVISED - C. JUCIUS 09-09-09
	DATE - 10/31/2023	REVISED - C. JUCIUS 07-01-13

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

<b>TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)</b>	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-11			38	33
ILLINOIS		FED. AID PROJECT		

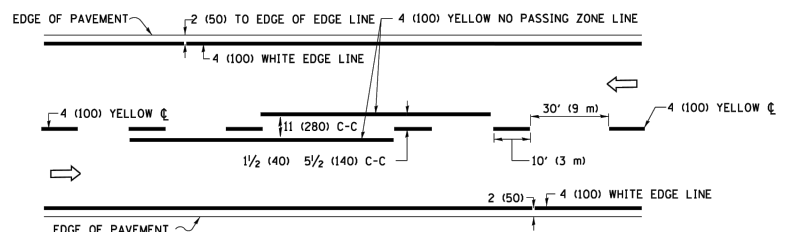


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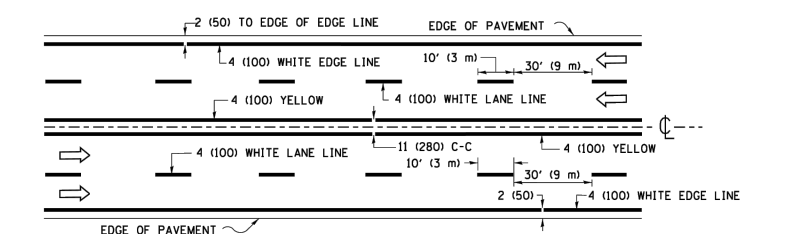
<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

<b>CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD DISTRICT 1 DETAIL - TC-11</b>	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

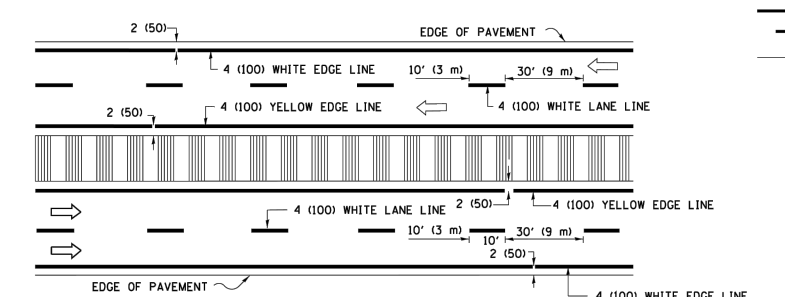
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	33
ILLINOIS		FED. AID PROJECT		



**2-LANE ROADWAY**

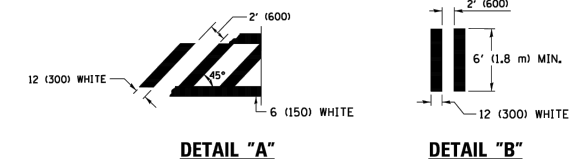
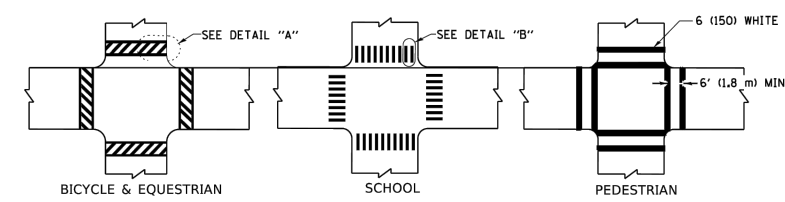


**MULTI-LANE UNDIVIDED**



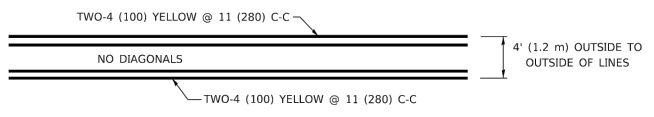
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

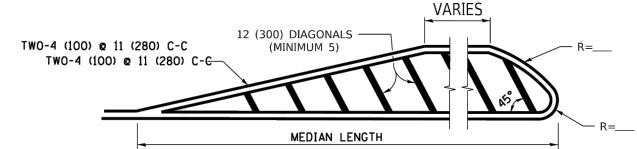


**TYPICAL CROSSWALK MARKING**

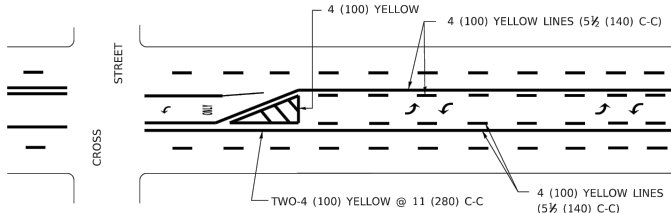
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



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

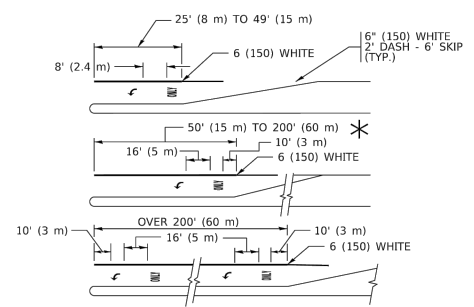


**MEDIANS OVER 4' (1.2 m) WIDE**



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

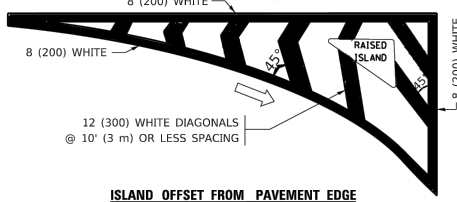
**TYPICAL PAINTED MEDIAN MARKING**



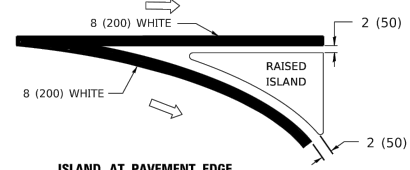
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

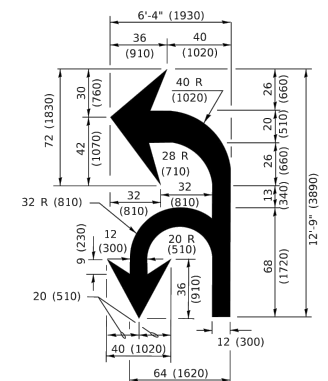


**ISLAND OFFSET FROM PAVEMENT EDGE**

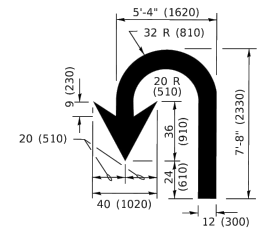


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: WHITE	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 8' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.  
 All dimensions are in inches (millimeters) unless otherwise shown.

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PLOT SCALE = 50.0000" / in.	DRAWN - LJF	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	CHECKED - MPL	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>TC-13</b>		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

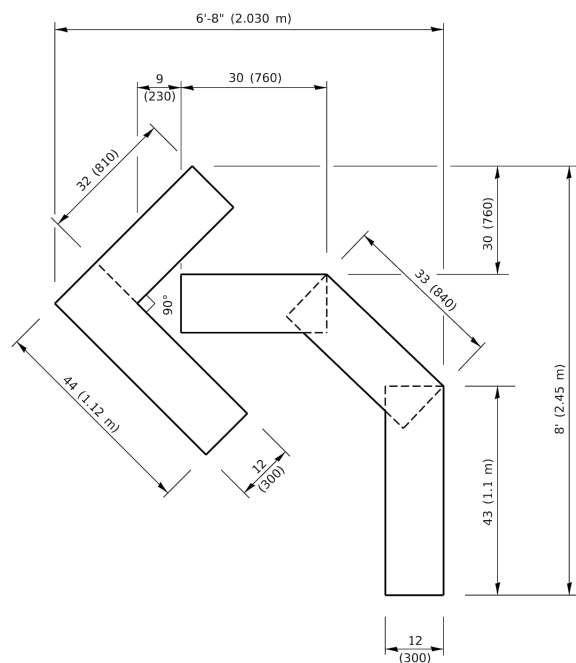
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

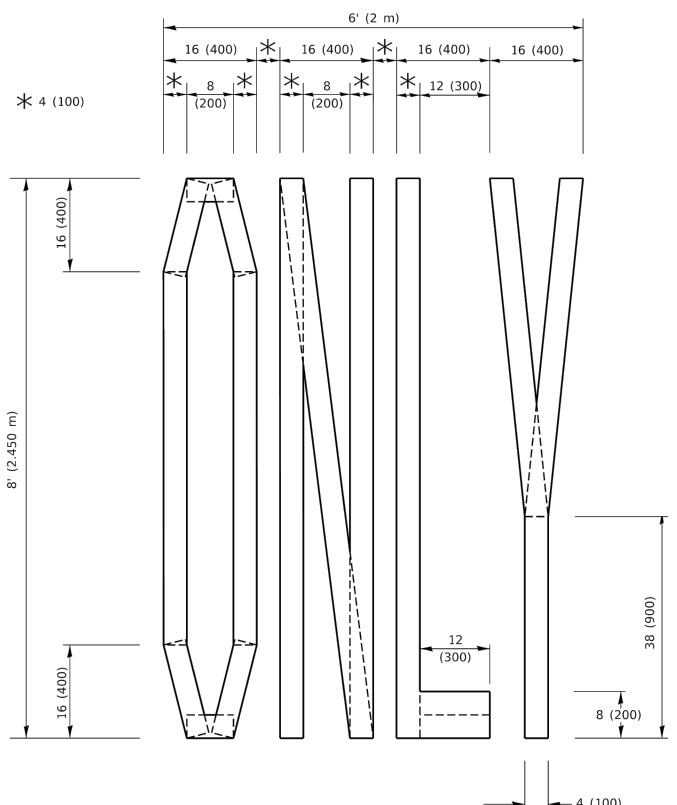
**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
DISTRICT 1 DETAIL - TC-13**

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

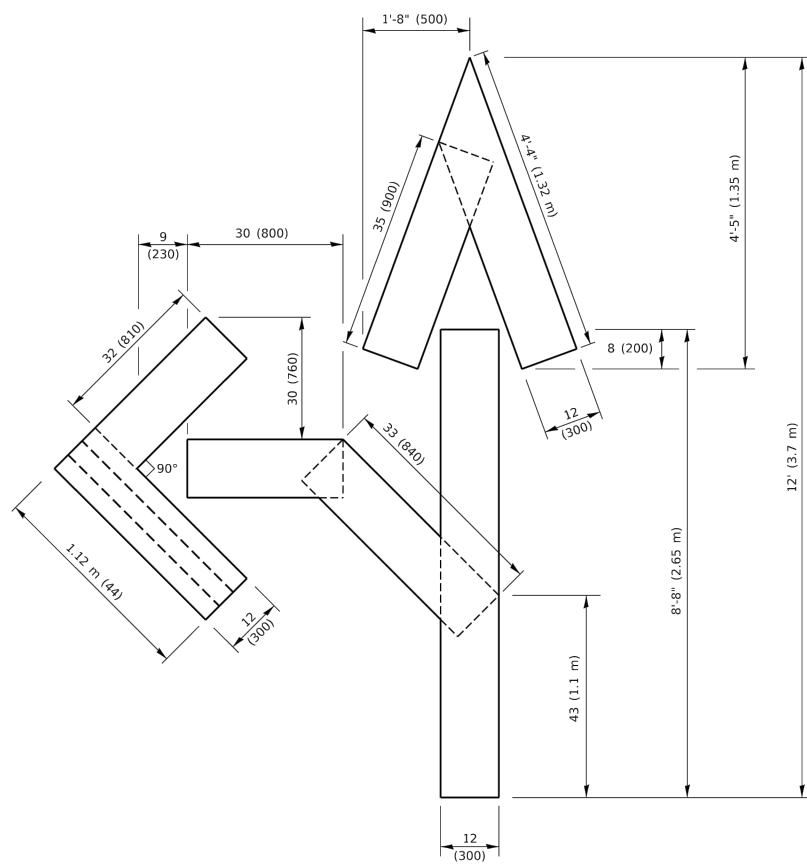
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	34
ILLINOIS		FED. AID PROJECT		
CONTRACT NO. 61K09				



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

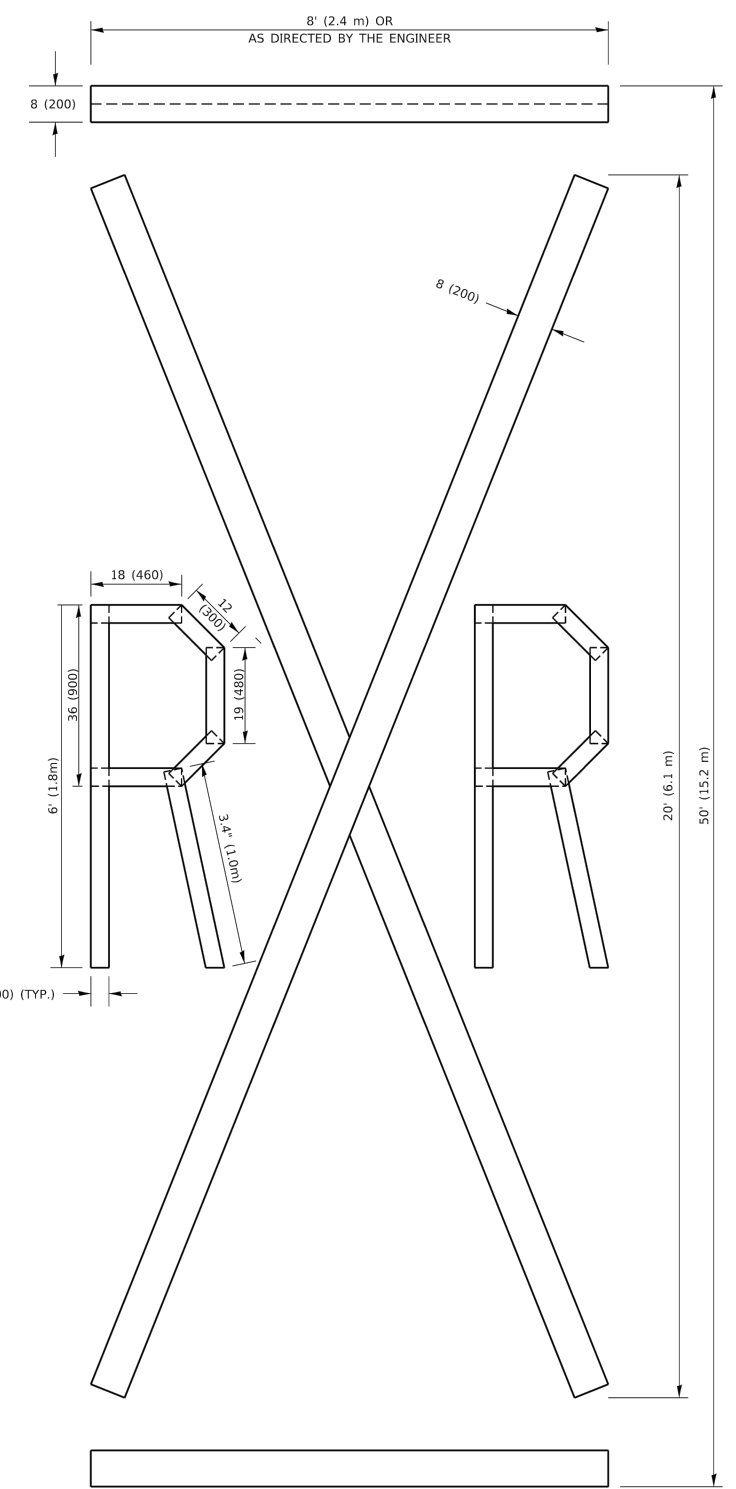


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



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

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



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

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

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PLOT SCALE = 50.0068' / in.	DRAWN -	REVISD - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	CHECKED -	REVISD - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISD - 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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	<b>TC-16</b>			
ILLINOIS FED. AID PROJECT CONTRACT NO.				



USER NAME = LJF	DESIGNED - LJF	REVISD -
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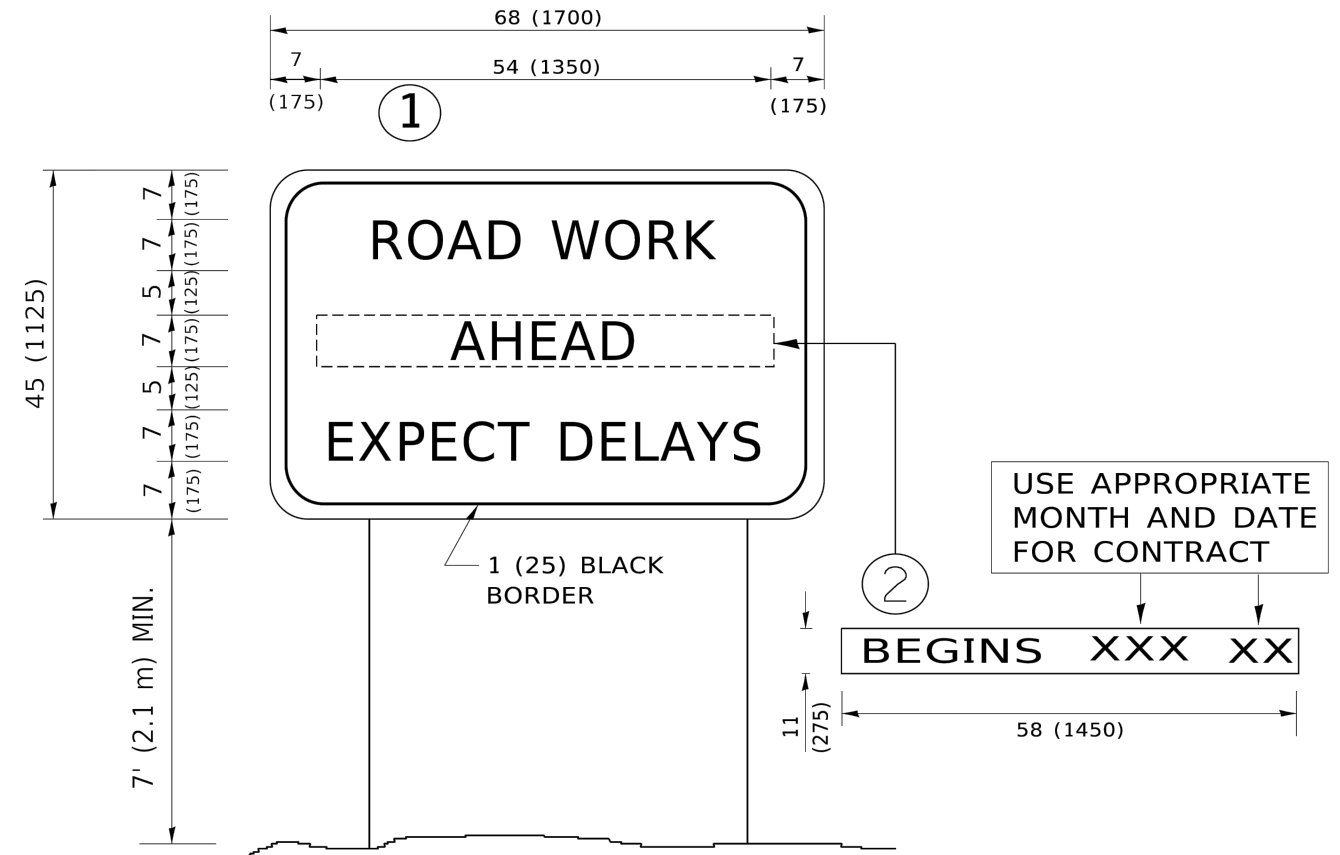
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
 DISTRICT 1 DETAIL - TC-16**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	35
ILLINOIS FED. AID PROJECT CONTRACT NO. 61K09				

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**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.

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000" / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			TC-22		CONTRACT NO.		
			ILLINOIS FED. AID PROJECT				



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PLOT DATE = 10/31/2023	DATE - 10/31/2023	REVISED -

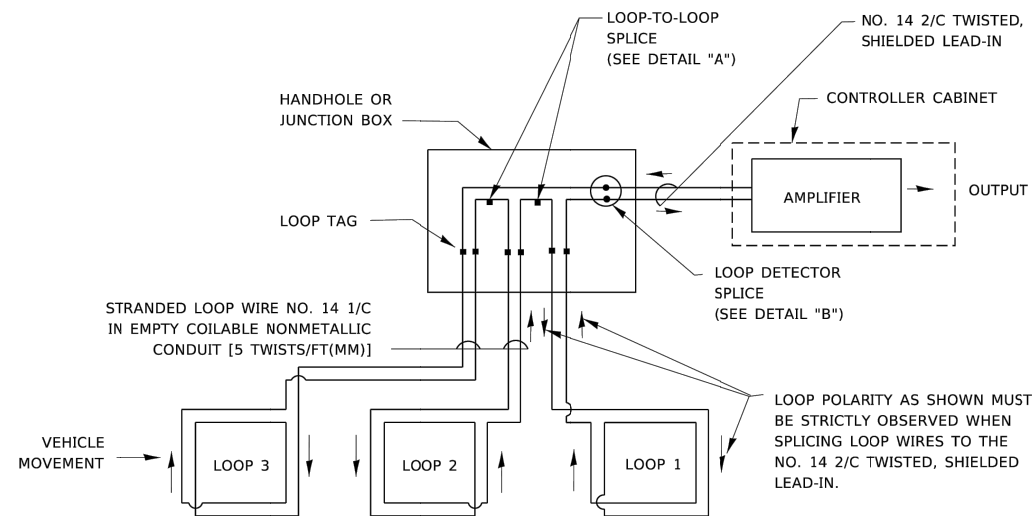
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD  
DISTRICT 1 DETAIL - TC-22**

SCALE:	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 61K09				
			ILLINOIS FED. AID PROJECT				

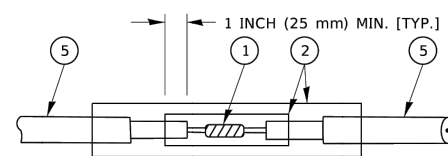
**LOOP DETECTOR NOTES**

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PERFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

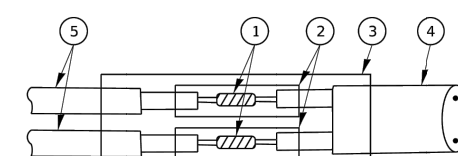


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

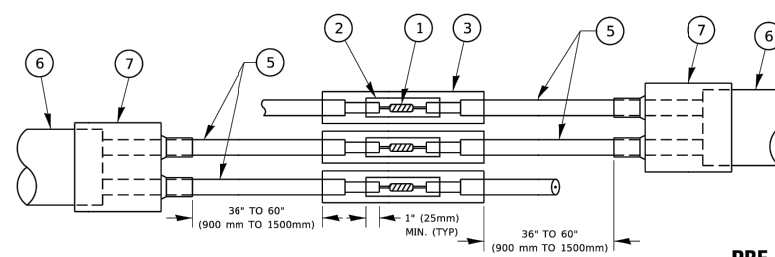


DETAIL "A"  
LOOP-TO-LOOP SPLICE

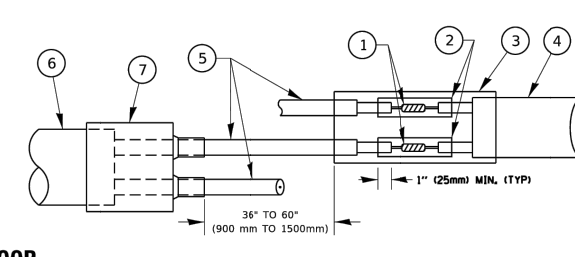


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE

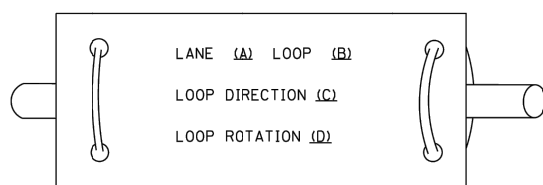


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**LOOP DETECTOR SPLICE**

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
- ⑥ XL POLYOLEFIN 2 CONDUCTOR
- ⑦ BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

**LOOP LEAD-IN CABLE TAG**



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

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USER NAME = foeternj	DESIGNED -	REVISED -
PLOT SCALE = 50.00000' / in.	DRAWN - LJF	REVISED -
PLOT DATE = 3/4/2019	CHECKED - MPL	REVISED -
	DATE - 10/31/2023	REVISED -

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	
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<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	
SCALE: NONE	SHEET 2 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05		38	37
ILLINOIS		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		



USER NAME = LJF	DESIGNED - LJF	REVISED -
PLOT SCALE =	DRAW - LJF	REVISED -
PLOT DATE = 10/31/2023	CHECKED - MPL	REVISED -
	DATE - 10/31/2023	REVISED -

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	
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<b>CENTRAL ROAD - WESTGATE ROAD TO WOLF ROAD DISTRICT 1 DETAIL - TS-05 - SHEET 2</b>	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1300	23-00178-00-R5	COOK	38	37
ILLINOIS		CONTRACT NO. 61K09		
ILLINOIS		FED. AID PROJECT		

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