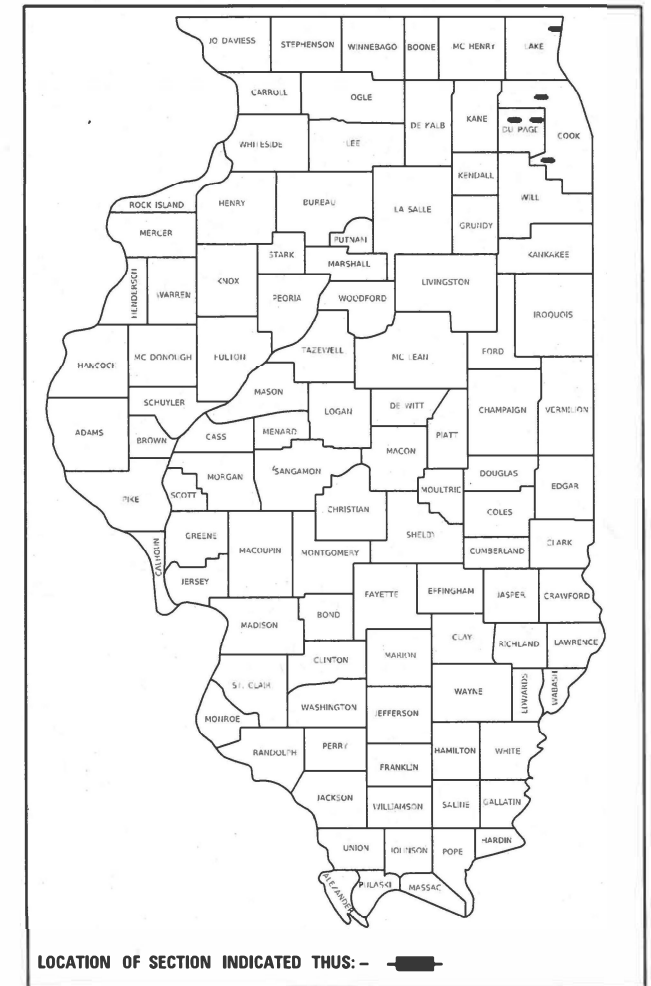


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	ILLINOIS	54	1
			CONTRACT NO. 62N07	

COOK, DUPAGE, & LAKE

D-91-040-21



**PROPOSED
HIGHWAY PLANS**

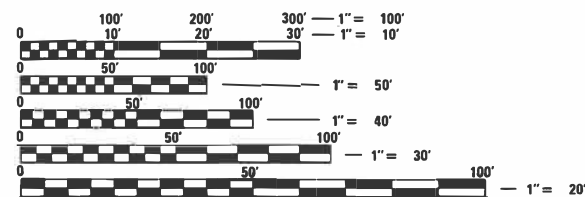
VARIOUS ROUTES
VARIOUS LOCATIONS
SECTION: 2020-238-T
DRAINAGE
COOK, DUPAGE, AND LAKE COUNTIES

C-91-044-21

FOR GENERAL LOCATION MAPS, SEE SHEET NO. 9 AND 10

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE CITIES OF ELMHURST AND WAUKEGAN AND THE VILLAGES OF GLENDALE HEIGHTS, LEMONT, AND MOUNT PROSPECT



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

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

PROJECT ENGINEER: DAN WILGREEN (847) 705-4240
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62N07

LOCATION #	ROADWAY	ADT (YEAR)	SPEED LIMIT
1	KENSINGTON RD.	7,850 (2018)	35 MPH
2	IL 137	12,000 (2019)	40 MPH
3	I-290	152,100 (2019)	55 MPH
4	IL 64	55,300 (2019)	45 MPH
5	McCARTHY RD./123rd ST.	5,250 (2018)	50 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 4, 2022
Jose Pino REGIONAL ENGINEER

March 25, 2022
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

March 2, 2022
Stephen M. [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 2

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

HIGHWAY STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
1	COVER SHEET	000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
2-3	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND HMA MIXTURE REQUIREMENTS	280001-07	TEMPORARY EROSION CONTROL SYSTEMS
4-8	SUMMARY OF QUANTITIES	442201-03	CLASS C AND D PATCHES
9-10	GENERAL LOCATION MAPS	542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
11-13	ALIGNMENT, TIES, AND BENCHMARKS	542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
	LOCATION 1: KENSINGTON RD.	602001-02	CATCH BASIN TYPE A
14	ROADWAY AND DRAINAGE PLANS	602011-02	CATCH BASIN TYPE C
15	MAINTENANCE OF TRAFFIC PLANS	602301-04	INLET - TYPE A
	LOCATION 2: IL 137	602601-06	PRECAST REINFORCED CONCRETE FLAT TOP SLAB
16	ROADWAY AND DRAINAGE PLANS	602701-02	MANHOLE STEPS
	LOCATION 3: I-290	604001-05	FRAME AND LIDS TYPE 1
17-19	ROADWAY PLAN AND PROFILE	604036-03	GRATE TYPE 8
20-22	DRAINAGE PLAN AND PROFILE	604086-05	FRAME AND GRATE TYPE 23
23	EARTHWORK SCHEDULE	604091-05	FRAME AND GRATE TYPE 24
	LOCATION 4: IL 64	606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
24	ROADWAY AND DRAINAGE PLANS	606301-04	PC CONCRETE ISLANDS AND MEDIANS
	LOCATION 5: McCARTHY RD. / 123rd ST.	630001-12	STEEL PLATE BEAM GUARDRAIL
25	ROADWAY PLAN AND PROFILE	630116	BACK SIDE PROTECTION OF GUARDRAIL
26	DRAINAGE PLAN AND PROFILE	631033-08	TRAFFIC BARRIER TERMINAL, TYPE 6B
27	EARTHWORK SCHEDULE	701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
28-32	EXISTING TRAFFIC SIGNAL PLANS FOR IL 137 AND IL 64 (FOR INFORMATION ONLY)	701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
33	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER (BD-7)	701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
34	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
35	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
36	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	701306-04	LANE CLOSURE 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
37	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)	701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS DAY ONLY
38	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	701336-07	LANE CLOSURE 2L, 2W, WORK IN SERIES, FOR SPEEDS >= 45 MPH
39	TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)	701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
40-41	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12)	701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
42	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
43	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)	701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
44	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)	701446-11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
45	FREEWAYS/EXPRESSWAYS SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS (TC-18)	701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
46	ARTERIAL ROAD INFORMATION SIGN (TC-22)	701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
47	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05, SHEET 2 OF 7)	701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
48	DISTRICT ONE - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)	701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
49-54	CROSS SECTIONS FOR I-290 AND McCARTHY ROAD	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
		701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
		701901-08	TRAFFIC CONTROL DEVICES
		704001-08	TEMPORARY CONCRETE BARRIER
		725001-01	OBJECT AND TERMINAL MARKERS
		780001-05	TYPICAL PAVEMENT MARKINGS
		782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
		886001-01	DETECTOR LOOP INSTALLATIONS

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION REQUIRED). THE CONTRACTOR SHALL ALSO CALL E.M.C. (DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR) AT (708) 524-2145 FOR FIELD LOCATIONS OF DISTRICT 1 ELECTRICAL CABLES.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE CITIES OF ELMHURST AND WAUKEGAN AND THE VILLAGES OF GLENDALE HEIGHTS, LEMONT, AND MOUNT PROSPECT.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, SELECTIVE CLEARING, SEEDING, PERIMETER EROSION BARRIER, DRAINAGE STRUCTURE CLEANING/ADJUSTMENT/RECONSTRUCTION, TELEVISIONING OF STORM SEWER, AND BOX CULVERT TO BE CLEANED LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON ARTERIALS.
- THE ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, EMAD ALHUSSEINI, AT EMAD.ALHUSSEINI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON EXPRESSWAYS.
- THE ENGINEER SHALL CONTACT THE EXPRESSWAY FIELD ENGINEER AT (847) 705-4153 A MINIMUM OF 72 HOURS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- THE "ARTERIAL ROAD INFORMATION SIGN (TC-22)" DISTRICT DETAIL IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS/TOLLWAYS.
- ALL MILLED SURFACES SHALL BE AT UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL".
- 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.
- TOP OF GRATE OR RIM ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES/GRATES/LIDS ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST. TOP OF GRATE OR RIM ELEVATIONS SHOWN ON THE PLANS FOR STRUCTURES LOCATED IN THE CURB LINE ARE GIVEN AT THE EDGE OF PAVEMENT. PROPOSED SEWER LENGTHS PROVIDED IN THE QUANTITIES ARE FROM THE CENTER OF THE STRUCTURES.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.

* COOK, DUPAGE, & LAKE

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PLOT DATE = 2/10/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HWY STDS, GEN. NOTES, AND HMA MIX REQS
VARIOUS ROUTES - VARIOUS LOCATIONS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	2
CONTRACT NO. 62N07				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES CONT.

- 22. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 23. FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- 24. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION.
- 25. PROPERTIES AND CHANNELS ADJOINING THE SITE SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.
- 26. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- 27. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN ONE (1) CALENDAR DAY FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE.
- 28. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN IN EFFECTIVE WORKING CONDITION.
- 29. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES-MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
- 30. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- 31. THE ENGINEER SHALL SUPPLY A COPY OF THE VIDEO AND WRITTEN REPORT FROM THE TELEVISION INSPECTION OF STORM SEWER TO THE HYDRAULICS SECTION IN THE BUREAU OF PROGRAMMING AT THE DISTRICT ONE IDOT OFFICE.

HMA MIXTURE REQUIREMENTS				
LOCATION	MIXTURE USES	MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
KENSINGTON ROAD	CLASS D PATCHES, TYPE II, 14 INCH (SPECIAL)	HMA SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4% @ 70 GYR.	QC/QA
		HMA BINDER IL-19.0 mm; 12"	4% @ 70 GYR	QC/QA
IL 137	CLASS D PATCHES, TYPE II, 16 INCH (SPECIAL)	HMA SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4% @ 70 GYR.	QC/QA
		HMA BINDER IL-19.0 mm; 14"	4% @ 70 GYR	QC/QA
I-290	SHOULDER RECONSTRUCTION (HMA SHOULDERS, 12")	HMA SURFACE COURSE, MIX "D", IL-9.5, N70; 1½"	4% @ 70 GYR.	QC/QA
		HMA BINDER COURSE, IL-19.0, N70; 10½"	4% @ 70 GYR.	QC/QA
	PARTIAL DEPTH PATCHING	HMA SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4% @ 70 GYR.	QC/QA
	GORE RESURFACING	HMA SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4% @ 70 GYR.	QC/QA
	CLASS D PATCHES, TYPE IV, 13 INCH (SPECIAL)	POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70; 2"	4% @ 70 GYR.	QC/QA
HMA BINDER IL-19.0 mm; 11"		4% @ 90 GYR.	QC/QA	
IL 64	CLASS D PATCHES, TYPE III, 13 INCH (SPECIAL)	HMA SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4% @ 70 GYR.	QC/QA
		HMA BINDER IL-19.0 mm; 11"	4% @ 70 GYR	QC/QA
McCARTHY ROAD / 123rd STREET	CLASS D PATCHES, TYPE II, 17 INCH (SPECIAL)	HMA SURFACE COURSE, MIX "D", IL-9.5, N70; 2"	4% @ 70 GYR.	QC/QA
		HMA BINDER IL-19.0 mm; 15"	4% @ 70 GYR	QC/QA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)

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

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* COOK, DUPAGE, & LAKE

USER NAME = tarq/m	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HWY STDS, GEN. NOTES, AND HMA MIX REQS VARIOUS ROUTES - VARIOUS LOCATIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN -	REVISED -	VAR.			2020-238-T	*	54	3		
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62N07					
PLOT DATE = 2/10/2022	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO
				ILLINOIS FED. AID PROJECT						

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE						* SPECIALTY ITEM	SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		100% STATE	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE		CODE NO	ITEM	UNIT		100% STATE	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
				0004 KENSINGTON RD. COOK CO. (LOC. #1)	0021 KENSINGTON RD. COOK CO. (LOC. #1)	0004 IL 137 LAKE CO. (LOC. #2)	0004 IL-290 DUPAGE CO. (LOC. #3)	0004 IL 64 (NORTH AVE.) DUPAGE CO. (LOC. #4)	0004 McCARTHY RD. COOK CO. (LOC. #5)						0004 KENSINGTON RD. COOK CO. (LOC. #1)	0021 KENSINGTON RD. COOK CO. (LOC. #1)	0004 IL 137 LAKE CO. (LOC. #2)	0004 IL-290 DUPAGE CO. (LOC. #3)	0004 IL 64 (NORTH AVE.) DUPAGE CO. (LOC. #4)	0004 McCARTHY RD. COOK CO. (LOC. #5)
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	220				213		7	* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	81				54	11	16	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18				18			* 25100630	EROSION CONTROL BLANKET	SO YD	4313				2904	584	825	
20101000	TEMPORARY FENCE	FOOT	232					62	170	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	89				60	12	17	
20101200	TREE ROOT PRUNING	EACH	11					4	7	28000305	TEMPORARY DITCH CHECKS	FOOT	360				260		100	
20101700	SUPPLEMENTAL WATERING	UNIT	2					1	1	28000400	PERIMETER EROSION BARRIER	FOOT	969					389	580	
20200100	EARTH EXCAVATION	CU YD	427				419		8	28000510	INLET FILTERS	EACH	3				2		1	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	84	18				63	3	28100105	STONE RIPRAP, CLASS A3	SO YD	13					1	12	
20400800	FURNISHED EXCAVATION	CU YD	83						83	31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SO YD	17						17	
20800150	TRENCH BACKFILL	CU YD	92	14		4.3	64.5	5	4.2	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	62				62			
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	624				480		144	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	3				3			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	584					584		40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	16				16			
21400100	GRADING AND SHAPING DITCHES	FOOT	217					217		42001300	PROTECTIVE COAT	SO YD	25			8		17		
25000210	SEEDING, CLASS 2A	ACRE	0.89				0.6	0.12	0.17	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	50			50				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	81				54	11	16	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	137				137			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	81				54	11	16	44000600	SIDEWALK REMOVAL	SO FT	50			50				
* SPECIALTY ITEM										* COOK, DUPAGE, & LAKE										

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES VARIOUS ROUTES - VARIOUS LOCATIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N07	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		100% STATE	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
				0004 KENSINGTON RD. COOK CO. (LOC. #1)	0021 KENSINGTON RD. COOK CO. (LOC. #1)	0004 IL 137 LAKE CO. (LOC. #2)	0004 IL-290 DUPAGE CO. (LOC. #3)	0004 IL 64 (NORTH AVE.) DUPAGE CO. (LOC. #4)	0004 McCARTHY RD. COOK CO. (LOC. #5)
44003100	MEDIAN REMOVAL	SO FT	62				62		
44004250	PAVED SHOULDER REMOVAL	SO YD	167				167		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	13.3					13.3	
48203045	HOT-MIX ASPHALT SHOULDERS, 12"	SO YD	167				167		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1				1		
54214713	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 18"	EACH	2					2	
542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	40					40	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	68.4				68.4		
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	402.6			20.7	381.9		
550A0680	STORM SEWERS, CLASS A, TYPE 3 18"	FOOT	8	8					
55100400	STORM SEWER REMOVAL 10"	FOOT	10			10			
55100500	STORM SEWER REMOVAL 12"	FOOT	10			10			
55100900	STORM SEWER REMOVAL 18"	FOOT	8	8					
* SPECIALTY ITEM									

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		100% STATE	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
				0004 KENSINGTON RD. COOK CO. (LOC. #1)	0021 KENSINGTON RD. COOK CO. (LOC. #1)	0004 IL 137 LAKE CO. (LOC. #2)	0004 IL-290 DUPAGE CO. (LOC. #3)	0004 IL 64 (NORTH AVE.) DUPAGE CO. (LOC. #4)	0004 McCARTHY RD. COOK CO. (LOC. #5)
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1				1		
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	3				3		
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1					1	
60208230	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE	EACH	1			1			
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	1					1	
60251740	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	1				1		
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1				1		
60255500	MANHOLES TO BE ADJUSTED	EACH	2				1	1	
60500050	REMOVING CATCH BASINS	EACH	1			1			
60620000	CONCRETE MEDIAN, TYPE SB-6.24	SO FT	62					62	
60905305	BOX CULVERTS TO BE CLEANED	FOOT	881				881		
60920015	PIPE CULVERTS TO BE CLEANED 15"	FOOT	42					42	

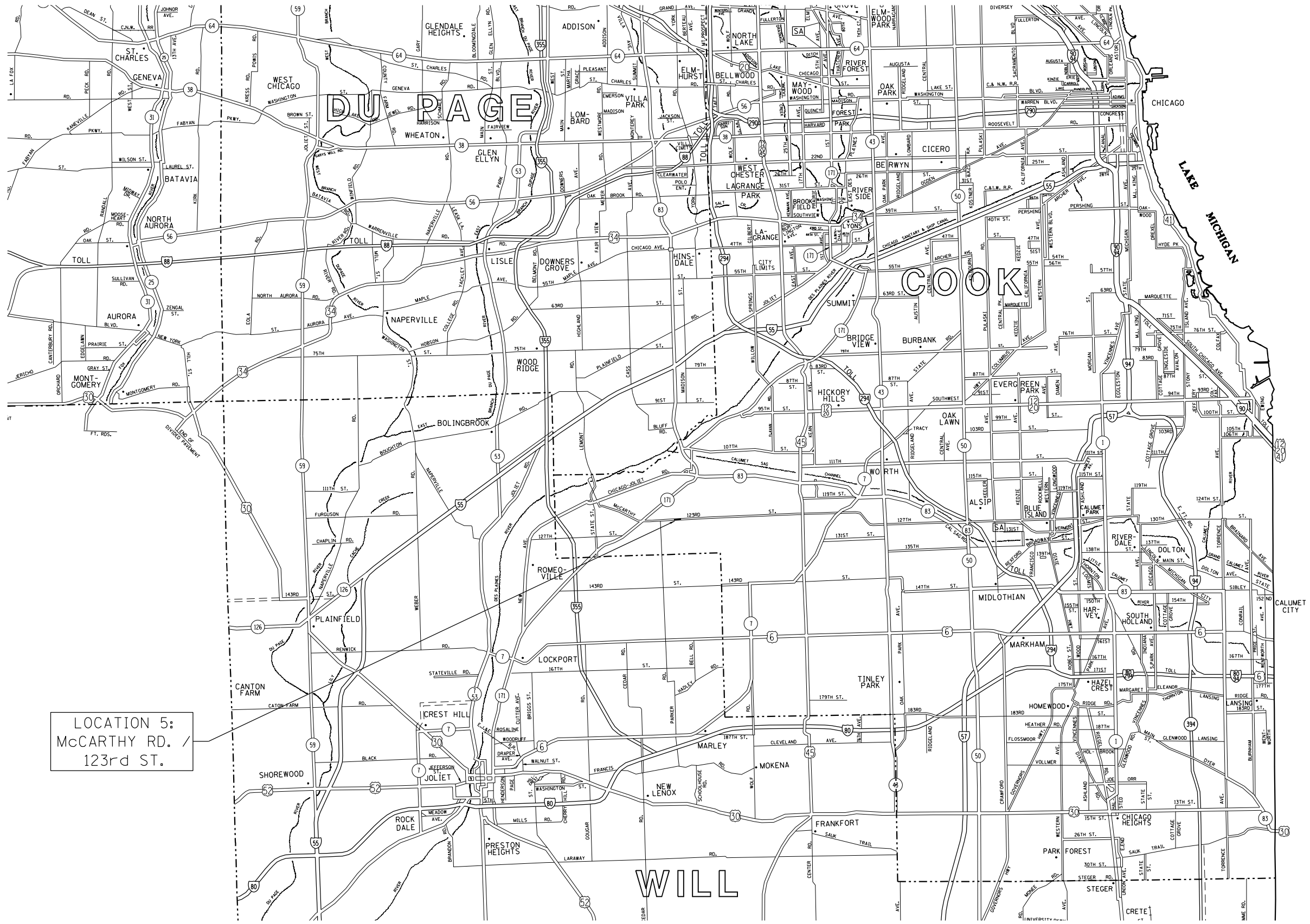
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		100% STATE	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
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* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	75				75		
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1				1		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1				1		
63200310	GUARDRAIL REMOVAL	FOOT	163				163		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1422	18		7	1158	75	164
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	1		1	1	1	1
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	0.2		0.2	0.2	0.2	0.2
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	0.2		0.2	0.2	0.2	0.2
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	1		1	5	1	2
67100100	MOBILIZATION	L SUM	1	0.2		0.2	0.2	0.2	0.2
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1						1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1						1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1					1	* SPECIALTY ITEM

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		100% STATE	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
				0004 KENSINGTON RD. COOK CO. (LOC. #1)	0021 KENSINGTON RD. COOK CO. (LOC. #1)	0004 IL 137 LAKE CO. (LOC. #2)	0004 IL-290 DUPAGE CO. (LOC. #3)	0004 IL 64 (NORTH AVE.) DUPAGE CO. (LOC. #4)	0004 McCARTHY RD. COOK CO. (LOC. #5)
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1			1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1			0.5			0.5
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1			1			
70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	1582	1582					
70107012	PAVEMENT MARKING BLACKOUT TAPE, 12"	FOOT	20	20					
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1				1		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1205	1205					
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	1250				1250		
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	1972	1972					
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1250				1250		
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	294				294		
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1				1		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1				1		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		100% STATE	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
				0004 KENSINGTON RD. COOK CO. (LOC. #1)	0021 KENSINGTON RD. COOK CO. (LOC. #1)	0004 IL 137 LAKE CO. (LOC. #2)	0004 IL-290 DUPAGE CO. (LOC. #3)	0004 IL 64 (NORTH AVE.) DUPAGE CO. (LOC. #4)	0004 McCARTHY RD. COOK CO. (LOC. #5)
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	86			10		52	24
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	10				10		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	620				620		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	113				113		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	5					5	
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	190				190		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	6	2		2	2		
* 78100300	REPLACEMENT REFLECTOR	EACH	41	41					
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4				4		
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	100				100		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4			2	2		
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	100					100	
X0323265	REMOVE EXISTING RIPRAP	SO YD	7						7
X0325207	TELEVISION INSPECTION OF SEWER	FOOT	2074				2074		
X0327649	SOIL RETENTION SYSTEM	SO FT	328	328					
			* SPECIALTY ITEM						

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		100% STATE	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
				0004 KENSINGTON RD. COOK CO. (LOC. #1)	0021 KENSINGTON RD. COOK CO. (LOC. #1)	0004 IL 137 LAKE CO. (LOC. #2)	0004 IL-290 DUPAGE CO. (LOC. #3)	0004 IL 64 (NORTH AVE.) DUPAGE CO. (LOC. #4)	0004 McCARTHY RD. COOK CO. (LOC. #5)
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	5.3						5.3
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	16			10			6
X4406620	PARTIAL DEPTH REMOVAL, TYPE IV, 2"	SO YD	165				165		
X4421000	PARTIAL DEPTH PATCHING	TON	19				19		
X4428187	CLASS D PATCHES, TYPE III, 13 INCH (SPECIAL)	SO YD	24						24
X4428189	CLASS D PATCHES, TYPE IV, 13 INCH (SPECIAL)	SO YD	100				100		
X5537600	STORM SEWERS TO BE CLEANED 8"	FOOT	40				40		
X5537700	STORM SEWERS TO BE CLEANED 10"	FOOT	64				64		
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1335				1286	49	
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	432				432		
X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	578						578
X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	318				307	11	
X5538700	STORM SEWERS TO BE CLEANED 42"	FOOT	219						219
X5538800	STORM SEWERS TO BE CLEANED 48"	FOOT	231						231
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	2.4		2.4	2.4	2.4	2.4

* COOK, DUPAGE, & LAKE



LOCATION 5:
McCARTHY RD. /
123RD ST.



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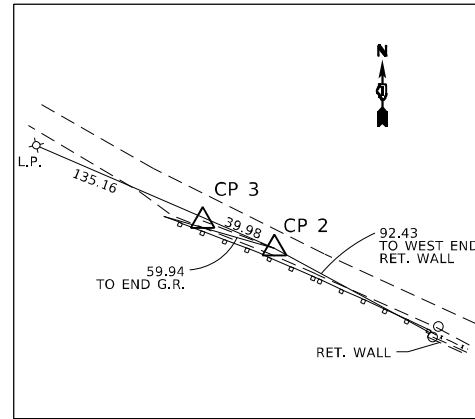
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL LOCATION MAP VARIOUS ROUTES - VARIOUS LOCATIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
VAR.	2020-238-T	*	54 10
CONTRACT NO. 62N07			
ILLINOIS FED. AID PROJECT			

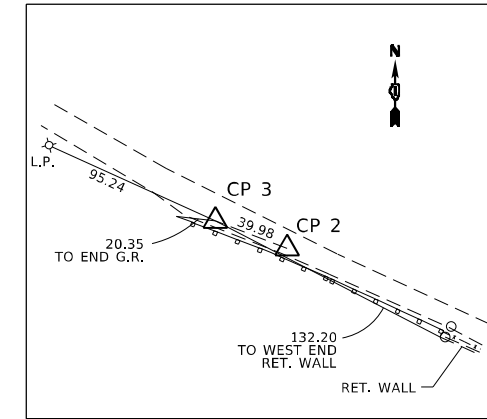
* COOK, DUPAGE, & LAKE

LOCATION 3



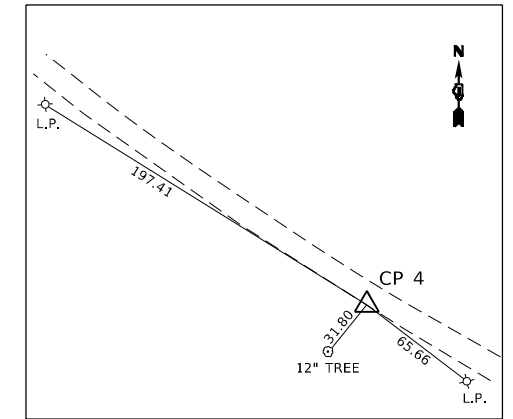
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MAG NAIL
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 E=1093153.7220
 ELEV.=673.492



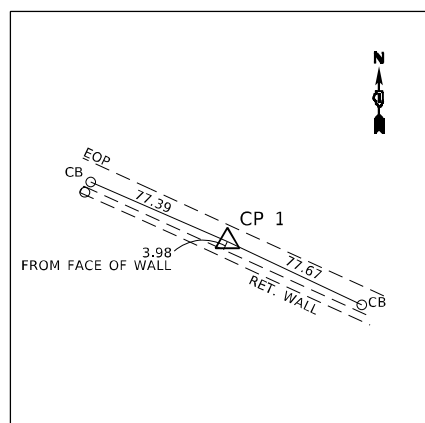
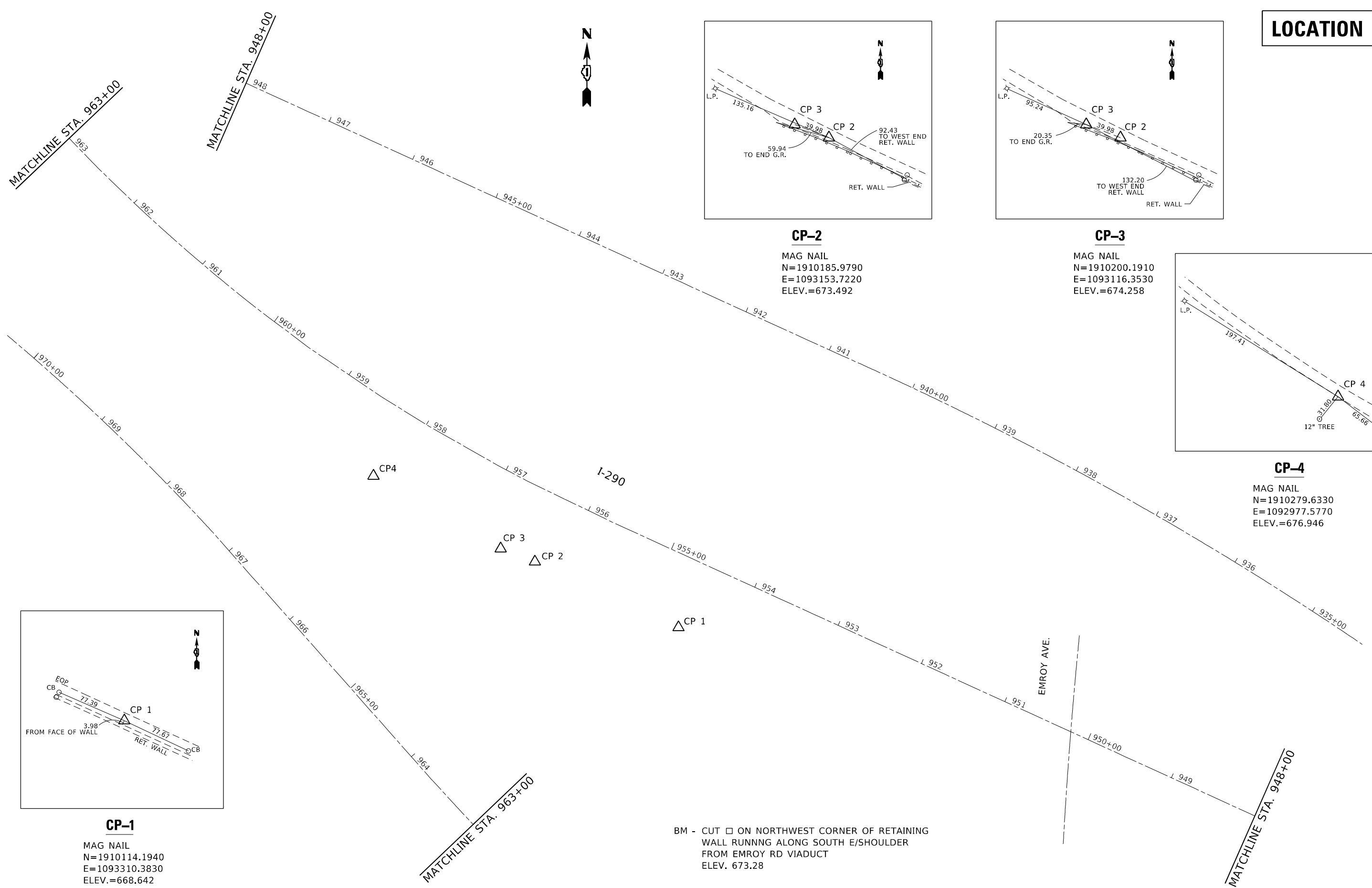
CP-3

MAG NAIL
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 E=1093116.3530
 ELEV.=674.258



CP-4

MAG NAIL
 N=1910279.6330
 E=1092977.5770
 ELEV.=676.946



CP-1

MAG NAIL
 N=1910114.1940
 E=1093310.3830
 ELEV.=668.642

BM - CUT □ ON NORTHWEST CORNER OF RETAINING WALL RUNNING ALONG SOUTH E/SOULDER FROM EMROY RD VIADUCT ELEV. 673.28

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* COOK, DUPAGE, & LAKE

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-290 - TIES AND BENCHMARK
 VARIOUS ROUTES - VARIOUS LOCATIONS**

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

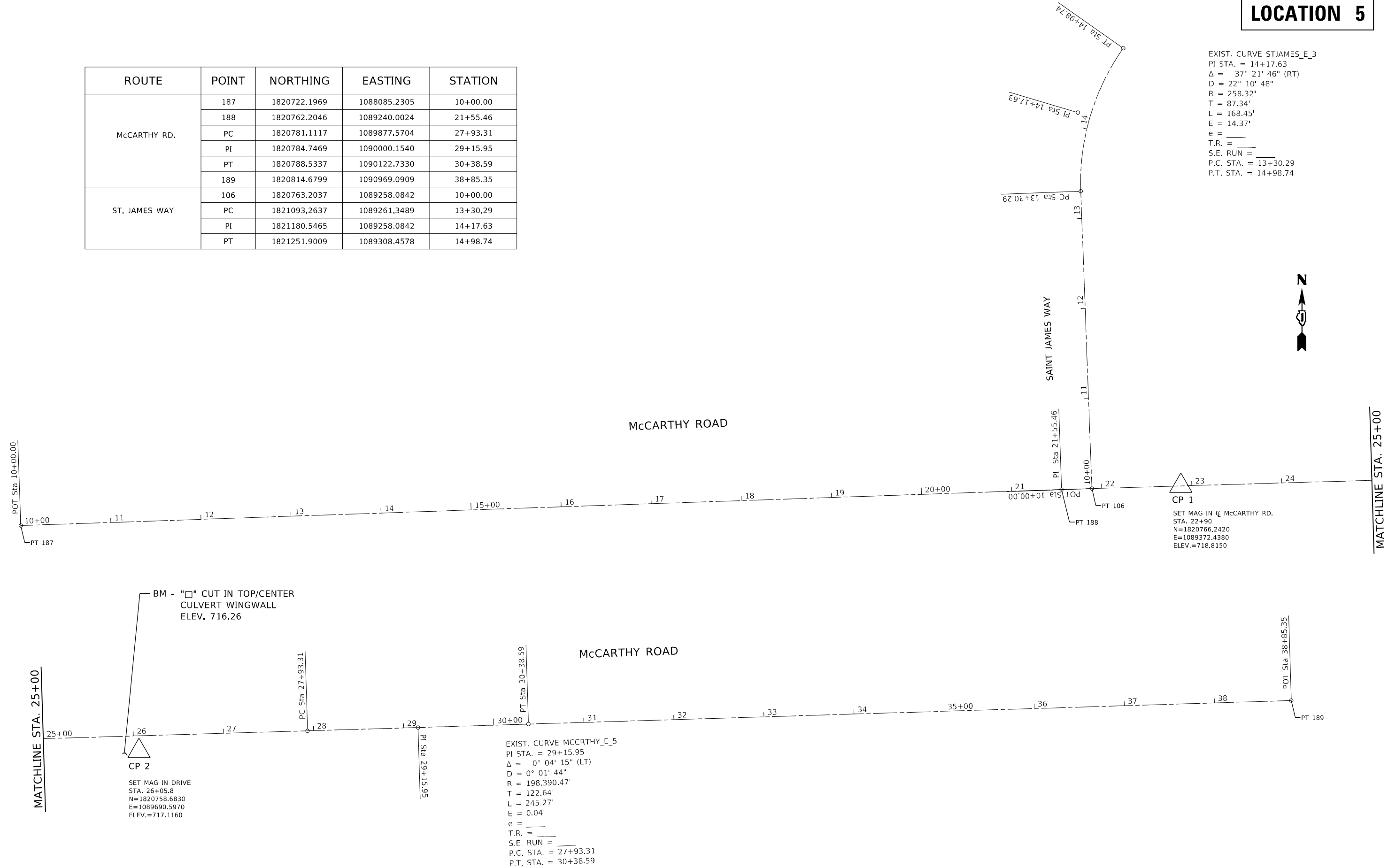
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	12
CONTRACT NO. 62N07				
ILLINOIS FED. AID PROJECT				

LOCATION 5

EXIST. CURVE STJAMES_E_3
 PI STA. = 14+17.63
 $\Delta = 37^\circ 21' 46''$ (RT)
 $D = 22^\circ 10' 48''$
 $R = 258.32'$
 $T = 87.34'$
 $L = 168.45'$
 $E = 14.37'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 13+30.29$
 $P.T. STA. = 14+98.74$

ROUTE	POINT	NORTHING	EASTING	STATION
McCARTHY RD.	187	1820722.1969	1088085.2305	10+00.00
	188	1820762.2046	1089240.0024	21+55.46
	PC	1820781.1117	1089877.5704	27+93.31
	PI	1820784.7469	1090000.1540	29+15.95
	PT	1820788.5337	1090122.7330	30+38.59
ST. JAMES WAY	106	1820763.2037	1089258.0842	10+00.00
	PC	1821093.2637	1089261.3489	13+30.29
	PT	1821251.9009	1089308.4578	14+98.74



EXIST. CURVE MCCRTHY_E_5
 PI STA. = 29+15.95
 $\Delta = 0^\circ 04' 15''$ (LT)
 $D = 0^\circ 01' 44''$
 $R = 198,390.47'$
 $T = 122.64'$
 $L = 245.27'$
 $E = 0.04'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 27+93.31$
 $P.T. STA. = 30+38.59$

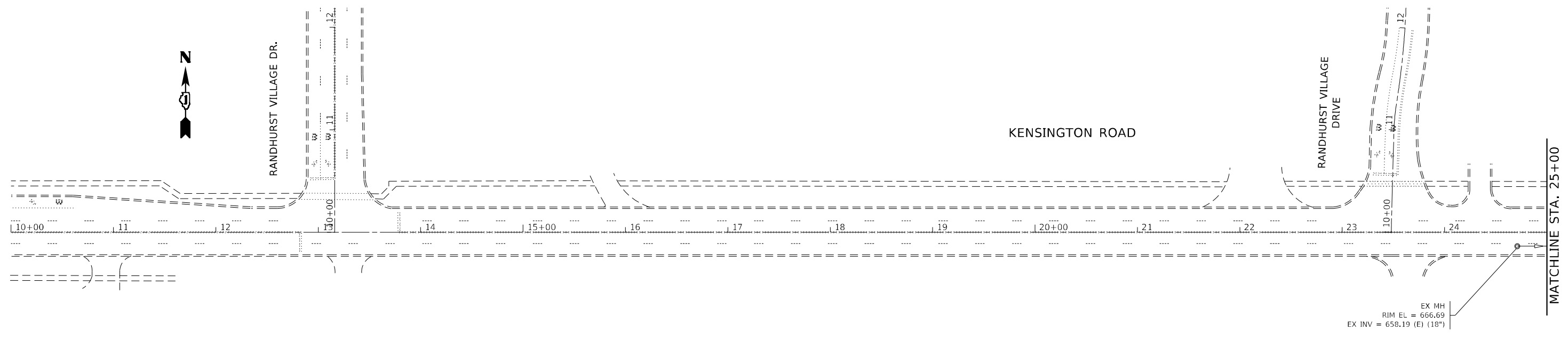
SET MAG IN DRIVE
 STA. 26+05.8
 $N = 1820758.6830$
 $E = 1089690.5970$
 $ELEV. = 717.1160$

BM - "□" CUT IN TOP/CENTER
 CULVERT WINGWALL
 ELEV. 716.26

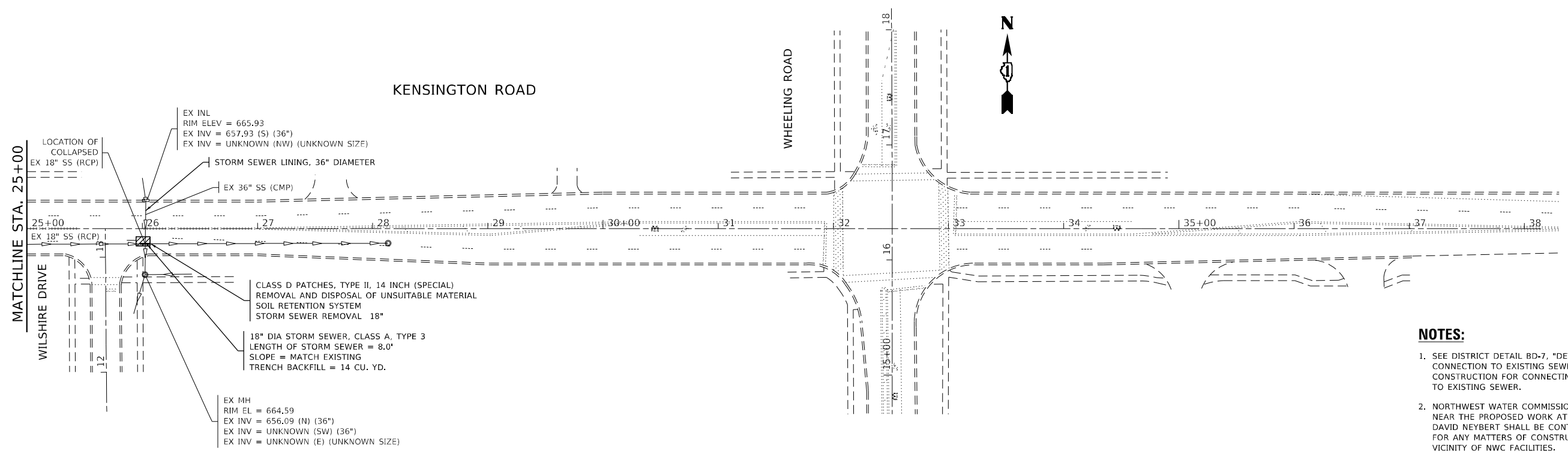
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 SHEET: 54 OF 54
 DATE: 2/10/2022

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SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.			* COOK, DUPAGE, & LAKE			

LOCATION 1



EX MH
RIM EL = 666.69
EX INV = 658.19 (E) (18")



EX INL
RIM ELEV = 665.93
EX INV = 657.93 (S) (36")
EX INV = UNKNOWN (NW) (UNKNOWN SIZE)

STORM SEWER LINING, 36" DIAMETER

EX 36" SS (CMP)

EX 18" SS (RCP)

EX MH
RIM EL = 664.59
EX INV = 656.09 (N) (36")
EX INV = UNKNOWN (SW) (36")
EX INV = UNKNOWN (E) (UNKNOWN SIZE)

CLASS D PATCHES, TYPE II, 14 INCH (SPECIAL)
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
SOIL RETENTION SYSTEM
STORM SEWER REMOVAL 18"

18" DIA STORM SEWER, CLASS A, TYPE 3
LENGTH OF STORM SEWER = 8.0'
SLOPE = MATCH EXISTING
TRENCH BACKFILL = 14 CU. YD.

LOCATION OF COLLAPSED EX 18" SS (RCP)

- NOTES:**
- SEE DISTRICT DETAIL BD-7, "DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER" FOR SEQUENCE OF CONSTRUCTION FOR CONNECTING PROPOSED SEWER TO EXISTING SEWER.
 - NORTHWEST WATER COMMISSION (NWC) HAS FACILITIES NEAR THE PROPOSED WORK AT THIS LOCATION. DAVID NEYBERT SHALL BE CONTACTED AT (847) 635-0777 FOR ANY MATTERS OF CONSTRUCTION IN THE IMMEDIATE VICINITY OF NWC FACILITIES.

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* COOK, DUPAGE, & LAKE

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PLOT DATE = 2/10/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**KENSINGTON ROAD - ROADWAY AND DRAINAGE PLAN
VARIOUS ROUTES - VARIOUS LOCATIONS**

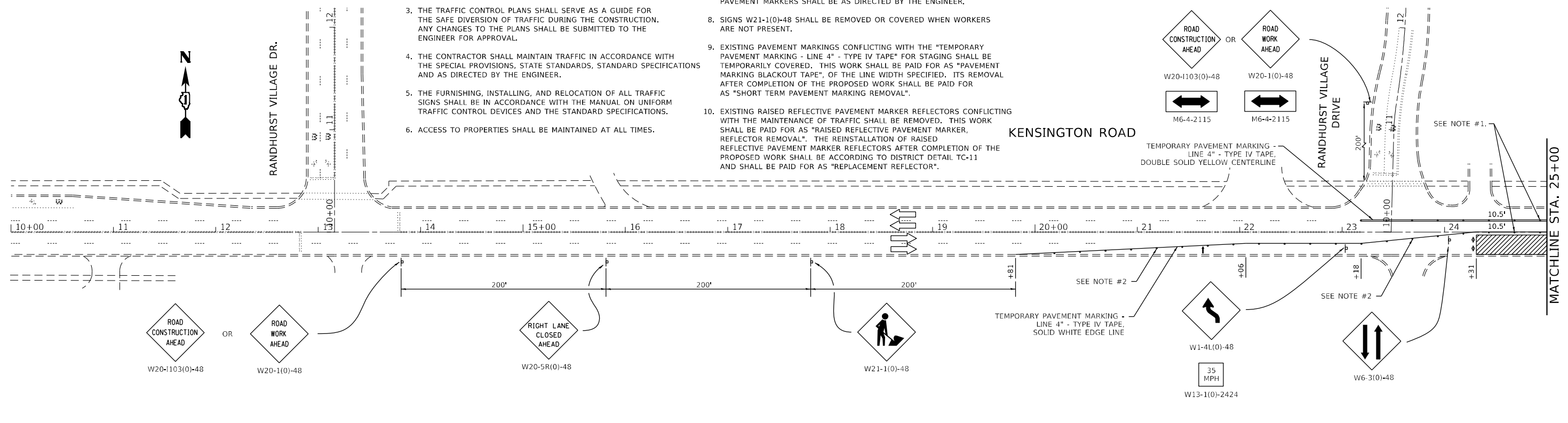
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2020-238-T	*	54	14
			CONTRACT NO. 62N07	
ILLINOIS FED. AID PROJECT				

LOCATION 1

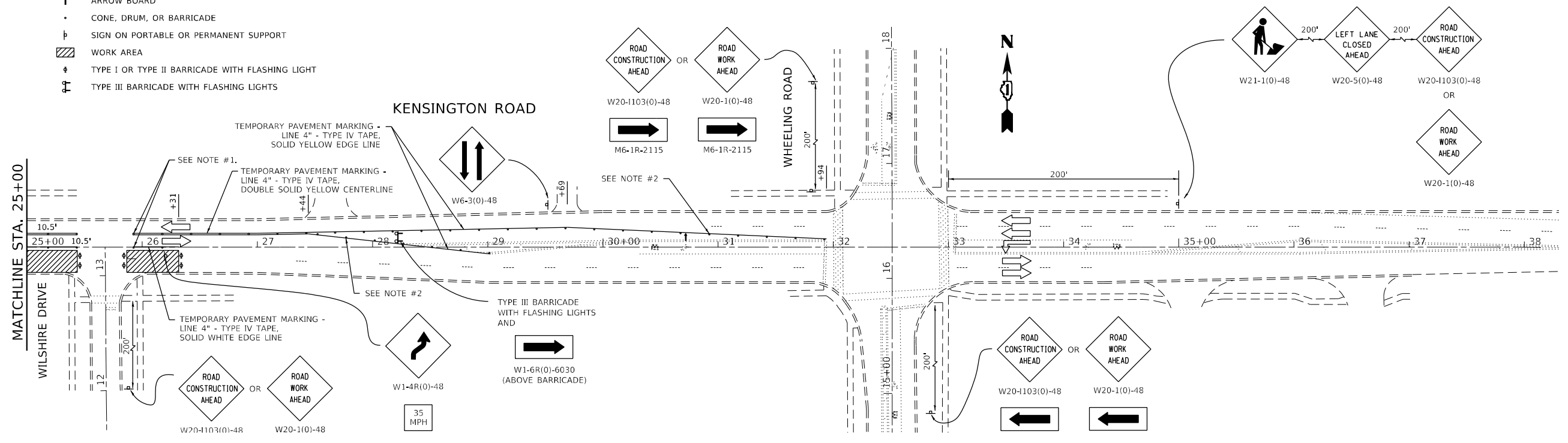
NOTES:

- CONES AT 25' CENTERS FOR 250'. ADDITIONAL CONES MAY BE PLACED AT 50' CENTERS. WHEN DRUMS OR TYPE I OR TYPE II BARRICADES ARE USED, THE INTERVAL BETWEEN DEVICES MAY BE DOUBLED.
- CONES, DRUMS, OR BARRICADES AT 20' CENTERS IN TAPER.
- THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE CONSTRUCTION. ANY CHANGES TO THE PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISIONS, STATE STANDARDS, STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS.
- ACCESS TO PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH MAINTENANCE OF TRAFFIC STRIPING IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED POST STAGING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE AS DIRECTED BY THE ENGINEER.
- SIGNS W21-1(0)-48 SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.
- EXISTING PAVEMENT MARKINGS CONFLICTING WITH THE "TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE" FOR STAGING SHALL BE TEMPORARILY COVERED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING BLACKOUT TAPE", OF THE LINE WIDTH SPECIFIED. ITS REMOVAL AFTER COMPLETION OF THE PROPOSED WORK SHALL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL".
- EXISTING RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS CONFLICTING WITH THE MAINTENANCE OF TRAFFIC SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL". THE REINSTALLATION OF RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS AFTER COMPLETION OF THE PROPOSED WORK SHALL BE ACCORDING TO DISTRICT DETAIL TC-11 AND SHALL BE PAID FOR AS "REPLACEMENT REFLECTOR".
- APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL AND PROTECTION FOR DAY-TIME LANE CLOSURES SHALL BE UTILIZED TO COMPLETE THE PROPOSED STORM SEWER LINING.



LEGEND:

- ↑ ARROW BOARD
- CONE, DRUM, OR BARRICADE
- ⊥ SIGN ON PORTABLE OR PERMANENT SUPPORT
- ▨ WORK AREA
- ⬢ TYPE I OR TYPE II BARRICADE WITH FLASHING LIGHT
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHTS



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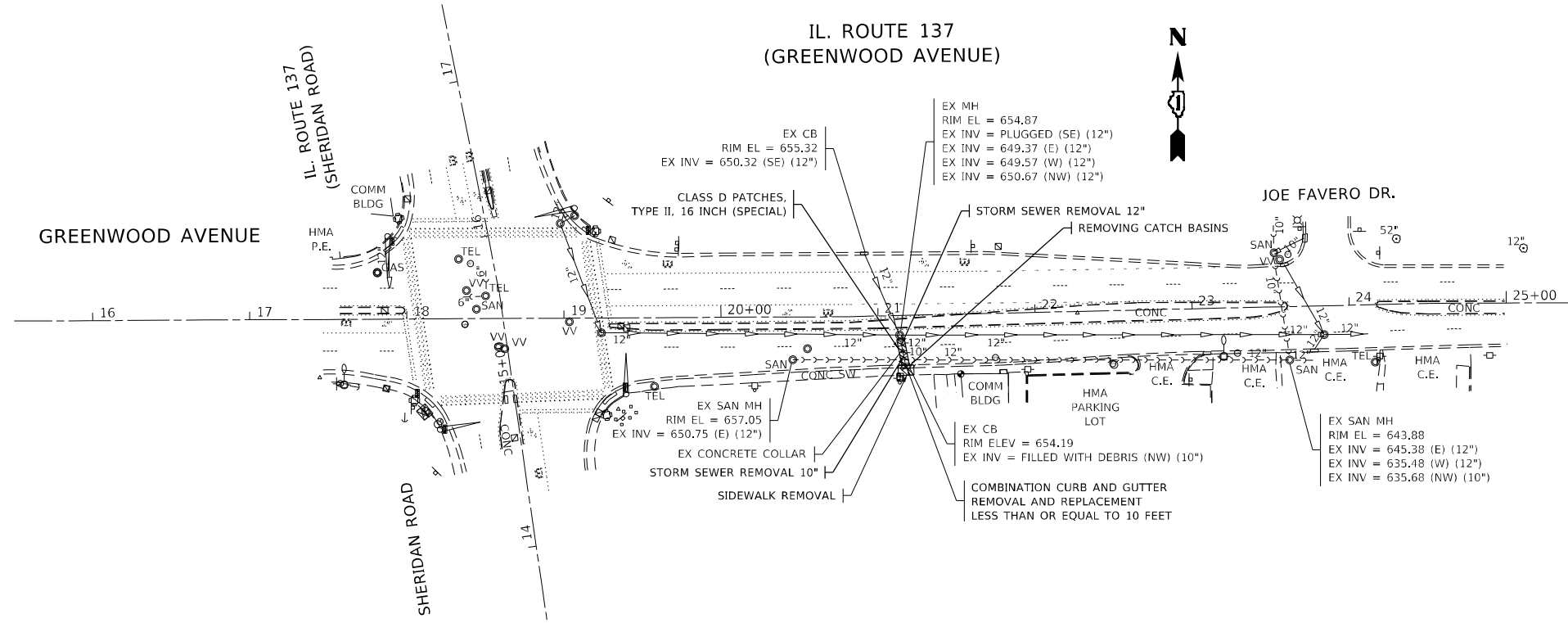
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

KENSINGTON ROAD - MAINTENANCE OF TRAFFIC PLAN VARIOUS ROUTES - VARIOUS LOCATIONS

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

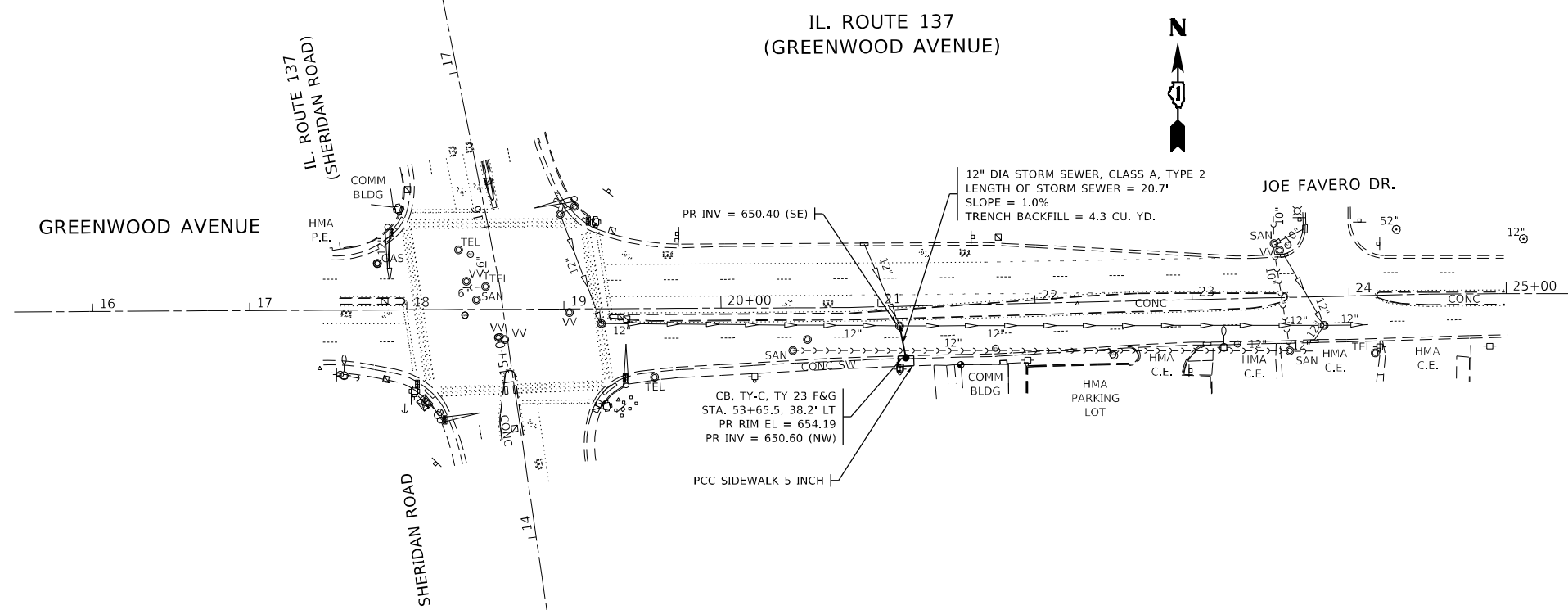
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	15
			CONTRACT NO. 62N07	
ILLINOIS		FED. AID PROJECT		

* COOK, DUPAGE, & LAKE



NOTES:

1. THE REMOVAL OF THE EXISTING CONCRETE COLLAR WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING REMOVED.



NOTES:

1. THE CONNECTION OF THE PROPOSED STORM SEWER TO THE EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.

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PROPOSED

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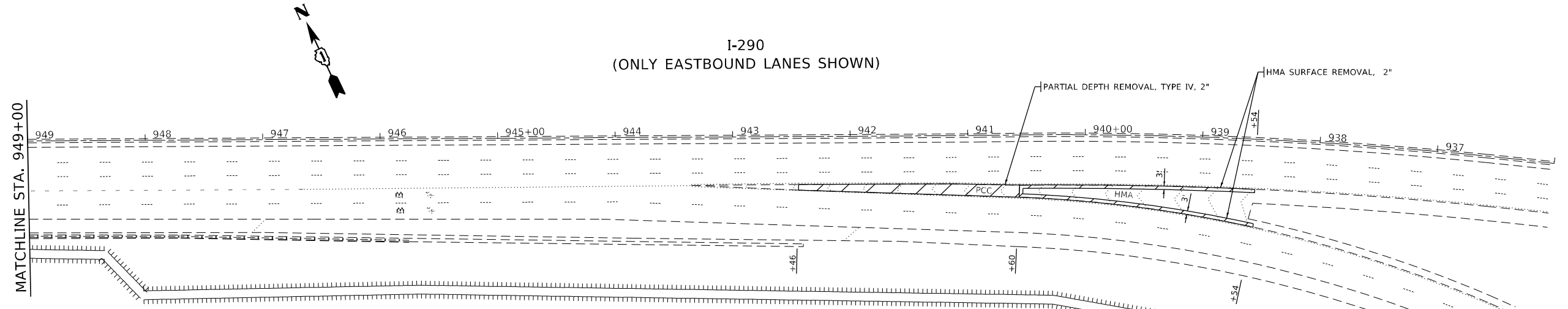
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

**IL 137 - ROADWAY AND DRAINAGE PLAN
VARIOUS ROUTES - VARIOUS LOCATIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	16
			CONTRACT NO. 62N07	
		ILLINOIS	FED. AID PROJECT	

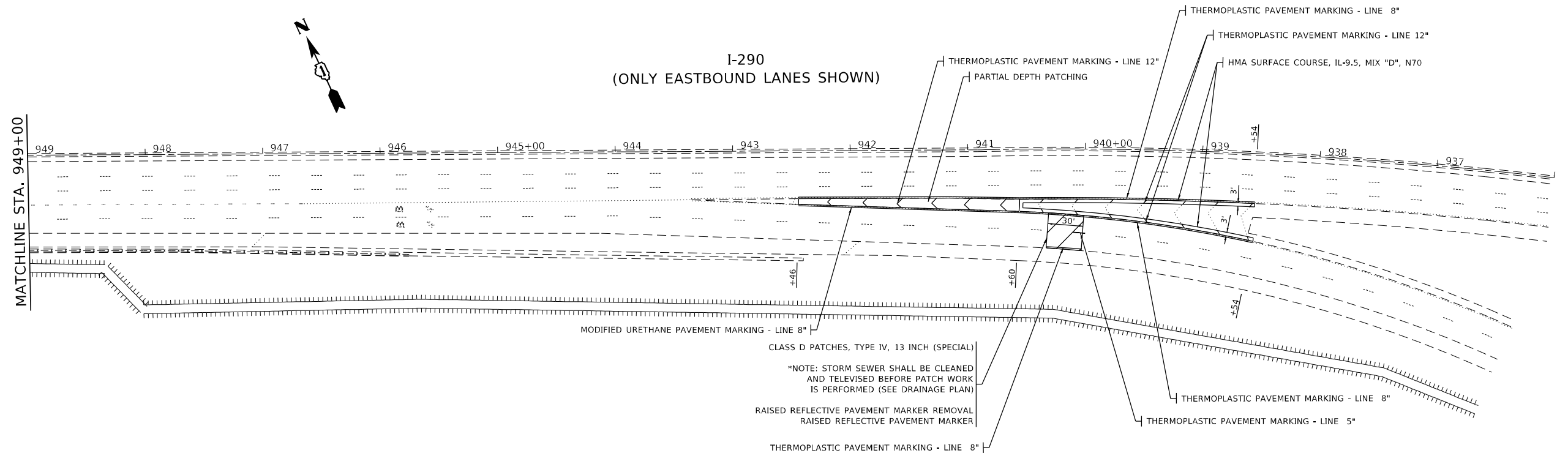
* COOK, DUPAGE, & LAKE



MAINTENANCE OF TRAFFIC NOTES:

1. PERMANENT SHOULDER CLOSURES PER DISTRICT DETAIL TC-17 SHALL BE USED FOR ALL PROPOSED WORK EXCEPT SETUP AND REMOVAL OF TEMPORARY CONCRETE BARRIER, SHOULDER INSTALLATION, PATCHING, RESURFACING WORK, STORM SEWER CLEANING AND TELEVISIONING, BOX CULVERT CLEANING, CLEANING AND RECONSTRUCTING DRAINAGE STRUCTURES AND INSTALLATION OF PAVEMENT MARKING AND MARKERS.
2. TEMPORARY CONCRETE BARRIER PER DISTRICT DETAIL TC-17 (PERMANENT SHOULDER CLOSURES) SHALL BE INSTALLED FROM STA. 954+70 TO STA. 967+20. PINNING IS REQUIRED AT ALL LOCATIONS WHERE TEMPORARY CONCRETE BARRIER IS PROPOSED TO BE INSTALLED.
3. OVERNIGHT CLOSURES PER HIGHWAY STANDARDS 701400, 701401, 701411, 701428, 701446 AND DISTRICT DETAILS TC-08 AND TC-17 SHALL BE USED FOR THE SETUP AND REMOVAL OF TEMPORARY CONCRETE BARRIER PER DISTRICT DETAIL TC-17, SHOULDER INSTALLATION, PATCHING, RESURFACING WORK, STORM SEWER CLEANING AND TELEVISIONING, BOX CULVERT CLEANING, CLEANING AND RECONSTRUCTING DRAINAGE STRUCTURES AND INSTALLATION OF PAVEMENT MARKING AND MARKERS.

EXISTING



PROPOSED

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-290 - ROADWAY PLAN AND PROFILE
VARIOUS ROUTES - VARIOUS LOCATIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N07	

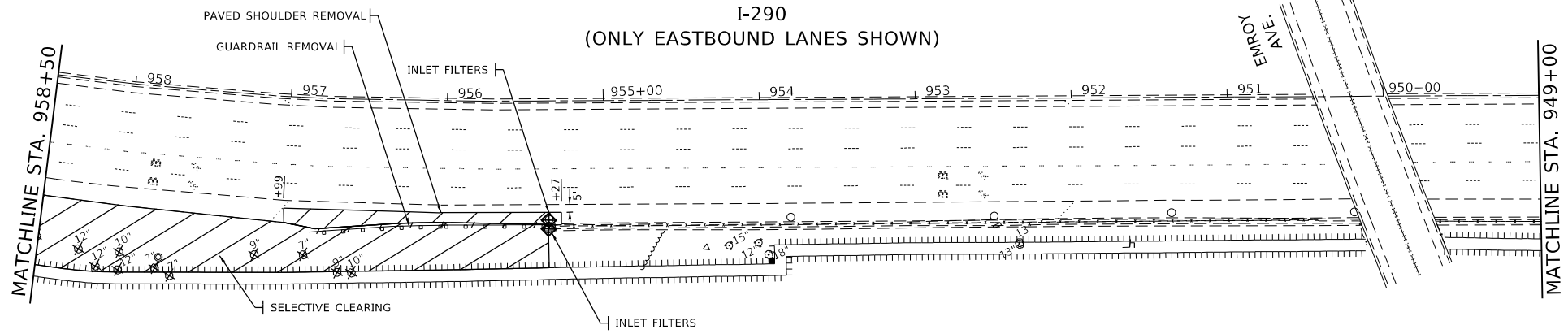
* COOK, DUPAGE, & LAKE

LEGEND

- ✕ TREE REMOVAL (6 TO 15 UNITS DIAMETER) OR TREE REMOVAL (OVER 15 UNITS DIAMETER)
- ▨ SELECTIVE CLEARING

NOTES:

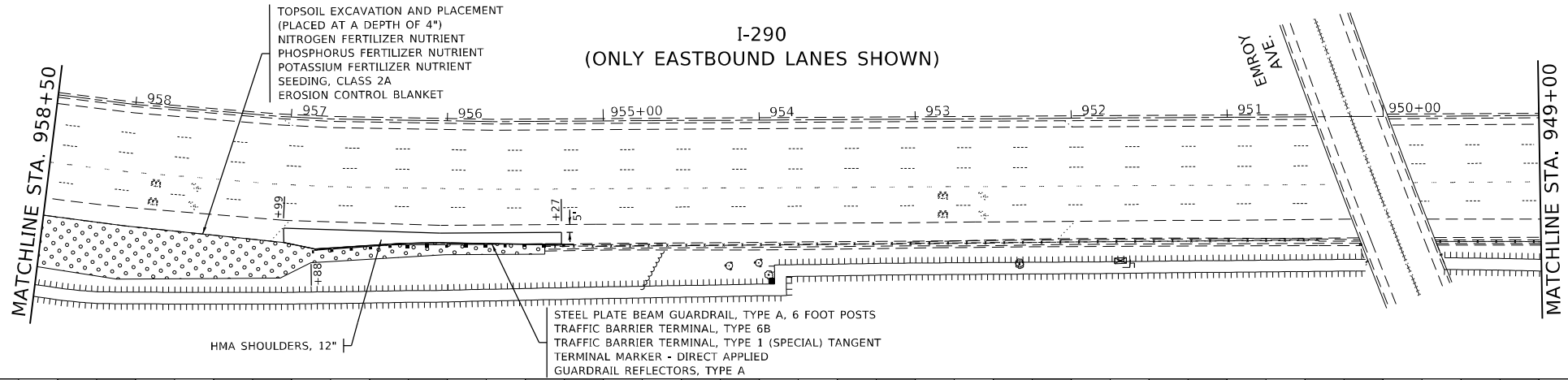
1. SELECTIVE CLEARING SHALL BE COMPLETED FROM THE EDGE OF THE SHOULDER TO THE NOISE WALL BETWEEN STA. 955+35 AND STA. 961+00 AND FROM THE EDGE OF THE SHOULDER TO THE EXTENT OF PROPOSED REGRADING BETWEEN STA. 961+00 AND STA. 964+15.



EXISTING

LEGEND

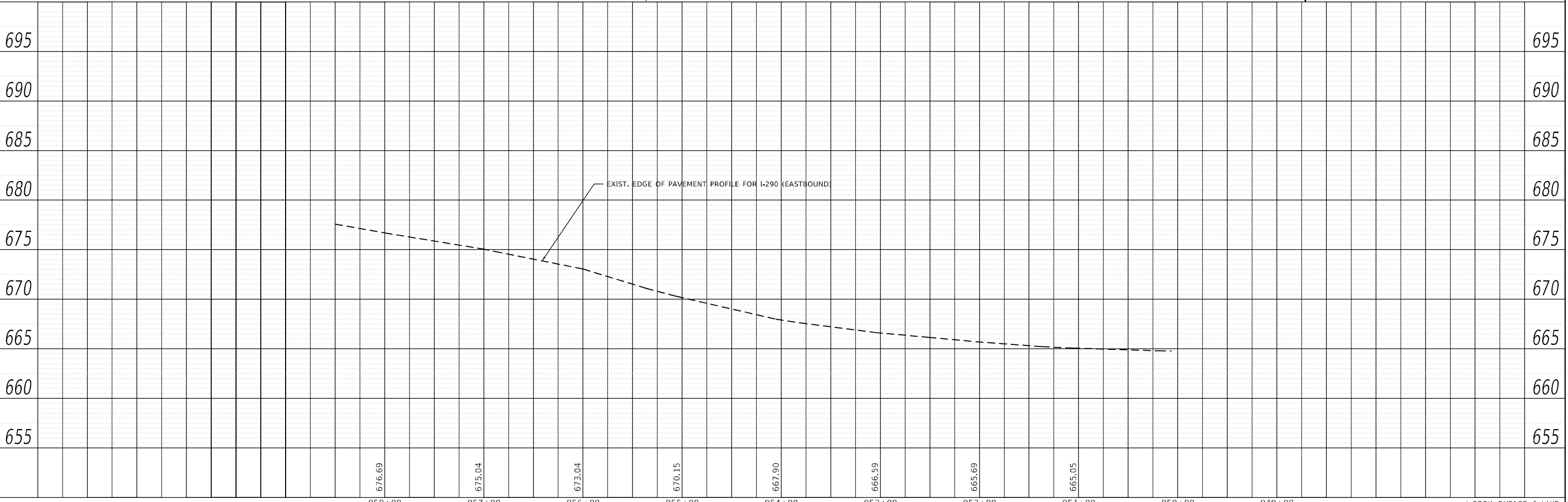
- ▨ SEEDING, CLASS 2A



PROPOSED

MAINTENANCE OF TRAFFIC NOTES:

1. PERMANENT SHOULDER CLOSURES PER DISTRICT DETAIL TC-17 SHALL BE USED FOR ALL PROPOSED WORK EXCEPT SETUP AND REMOVAL OF TEMPORARY CONCRETE BARRIER, SHOULDER INSTALLATION, PATCHING, RESURFACING WORK, STORM SEWER CLEANING AND TELEVISIONING, BOX CULVERT CLEANING, CLEANING AND RECONSTRUCTING DRAINAGE STRUCTURES AND INSTALLATION OF PAVEMENT MARKING AND MARKERS.
2. TEMPORARY CONCRETE BARRIER PER DISTRICT DETAIL TC-17 (PERMANENT SHOULDER CLOSURES) SHALL BE INSTALLED FROM STA. 954+70 TO STA. 967+20. PINNING IS REQUIRED AT ALL LOCATIONS WHERE TEMPORARY CONCRETE BARRIER IS PROPOSED TO BE INSTALLED.
3. OVERNIGHT CLOSURES PER HIGHWAY STANDARDS 701400, 701401, 701411, 701428, 701446 AND DISTRICT DETAILS TC-08 AND TC-17 SHALL BE USED FOR THE SETUP AND REMOVAL OF TEMPORARY CONCRETE BARRIER PER DISTRICT DETAIL TC-17, SHOULDER INSTALLATION, PATCHING, RESURFACING WORK, STORM SEWER CLEANING AND TELEVISIONING, BOX CULVERT CLEANING, CLEANING AND RECONSTRUCTING DRAINAGE STRUCTURES AND INSTALLATION OF PAVEMENT MARKING AND MARKERS.



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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-290 - ROADWAY PLAN AND PROFILE	
VARIOUS ROUTES - VARIOUS LOCATIONS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	18
CONTRACT NO. 62N07			ILLINOIS FED. AID PROJECT	

PLAN

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PROFILE

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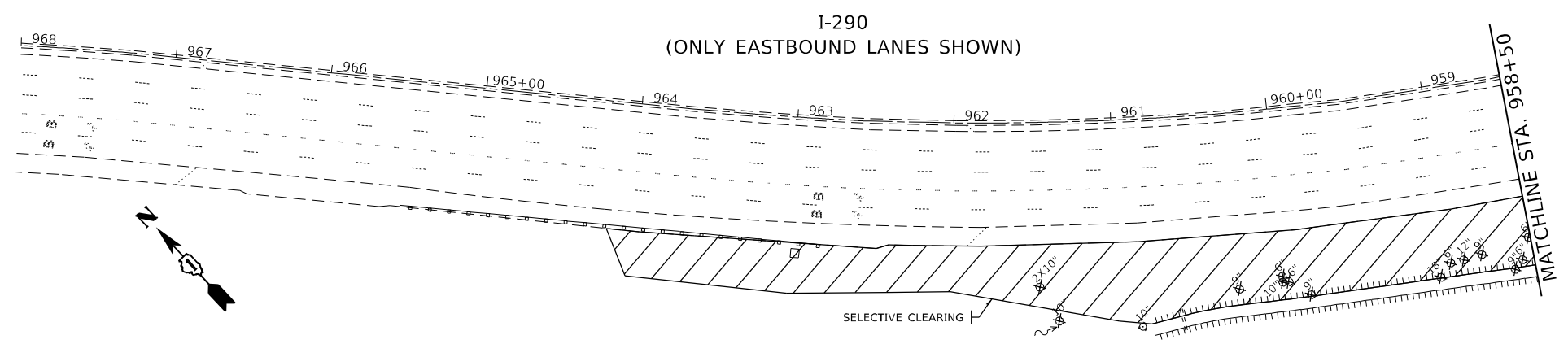
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LEGEND

- × TREE REMOVAL (6 TO 15 UNITS DIAMETER) OR TREE REMOVAL (OVER 15 UNITS DIAMETER)
- ▨ SELECTIVE CLEARING

NOTES:

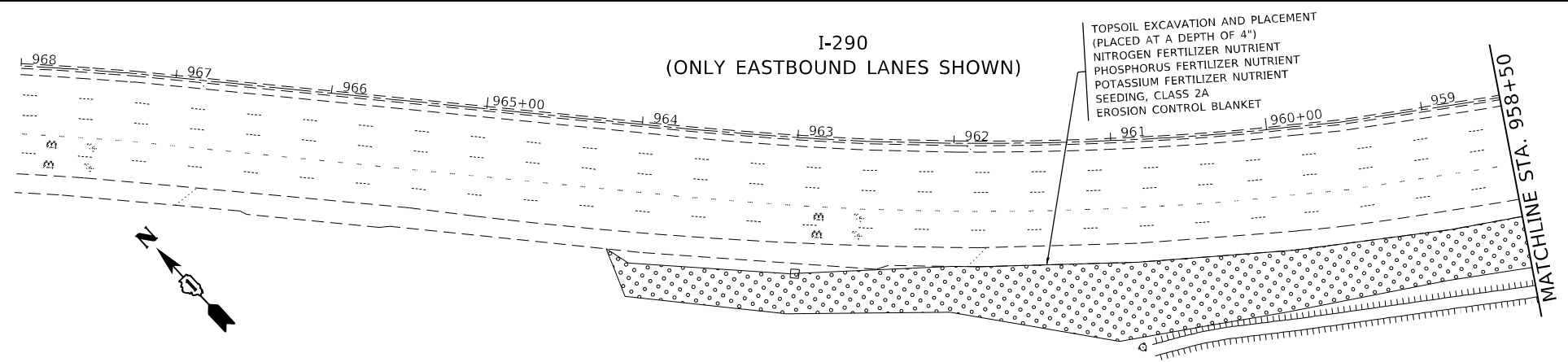
1. SELECTIVE CLEARING SHALL BE COMPLETED FROM THE EDGE OF THE SHOULDER TO THE NOISE WALL BETWEEN STA. 955+35 AND STA. 961+00 AND FROM THE EDGE OF THE SHOULDER TO THE EXTENT OF PROPOSED REGRADING BETWEEN STA. 961+00 AND STA. 964+15.



EXISTING

LEGEND

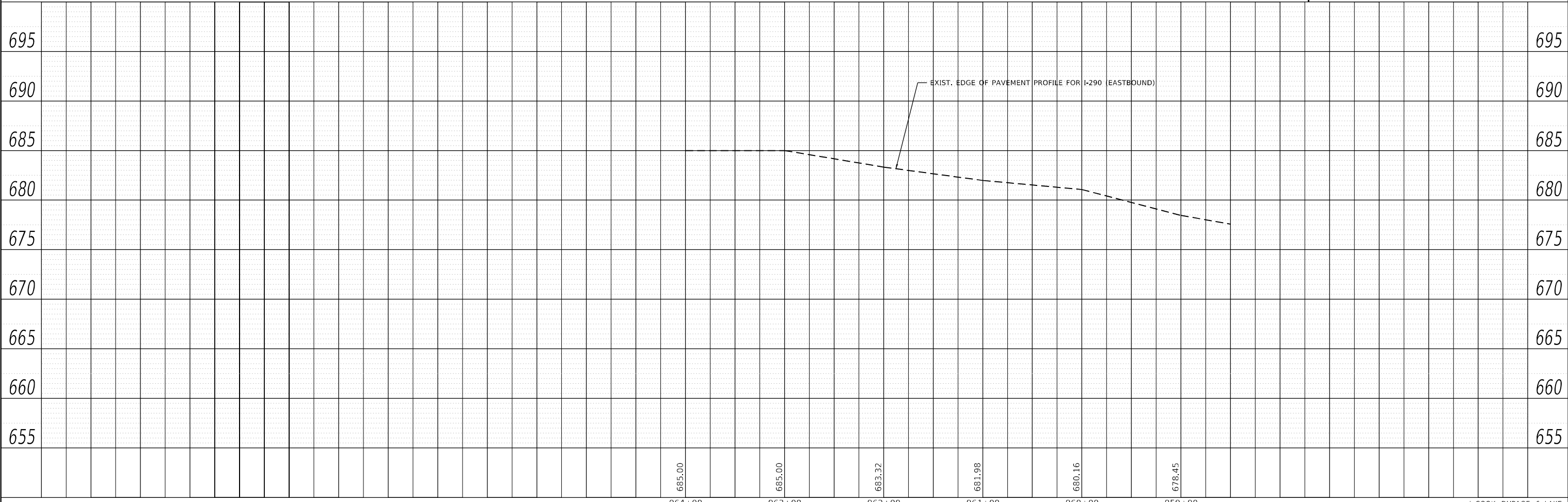
- SEEDING, CLASS 2A



PROPOSED

MAINTENANCE OF TRAFFIC NOTES:

1. PERMANENT SHOULDER CLOSURES PER DISTRICT DETAIL TC-17 SHALL BE USED FOR ALL PROPOSED WORK EXCEPT SETUP AND REMOVAL OF TEMPORARY CONCRETE BARRIER, SHOULDER INSTALLATION, PATCHING, RESURFACING WORK, STORM SEWER CLEANING AND TELEVISIONING, BOX CULVERT CLEANING, CLEANING AND RECONSTRUCTING DRAINAGE STRUCTURES AND INSTALLATION OF PAVEMENT MARKING AND MARKERS.
2. TEMPORARY CONCRETE BARRIER PER DISTRICT DETAIL TC-17 (PERMANENT SHOULDER CLOSURES) SHALL BE INSTALLED FROM STA. 954+70 TO STA. 967+20. PINNING IS REQUIRED AT ALL LOCATIONS WHERE TEMPORARY CONCRETE BARRIER IS PROPOSED TO BE INSTALLED.
3. OVERNIGHT CLOSURES PER HIGHWAY STANDARDS 701400, 701401, 701411, 701428, 701446 AND DISTRICT DETAILS TC-08 AND TC-17 SHALL BE USED FOR THE SETUP AND REMOVAL OF TEMPORARY CONCRETE BARRIER PER DISTRICT DETAIL TC-17, SHOULDER INSTALLATION, PATCHING, RESURFACING WORK, STORM SEWER CLEANING AND TELEVISIONING, BOX CULVERT CLEANING, CLEANING AND RECONSTRUCTING DRAINAGE STRUCTURES AND INSTALLATION OF PAVEMENT MARKING AND MARKERS.



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PROFILE	SURVEYED	DATE
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NOTE BOOK NO.	GRADES CHECKED	CHECKED
	STRUCTURE NOTATIONS	NO.

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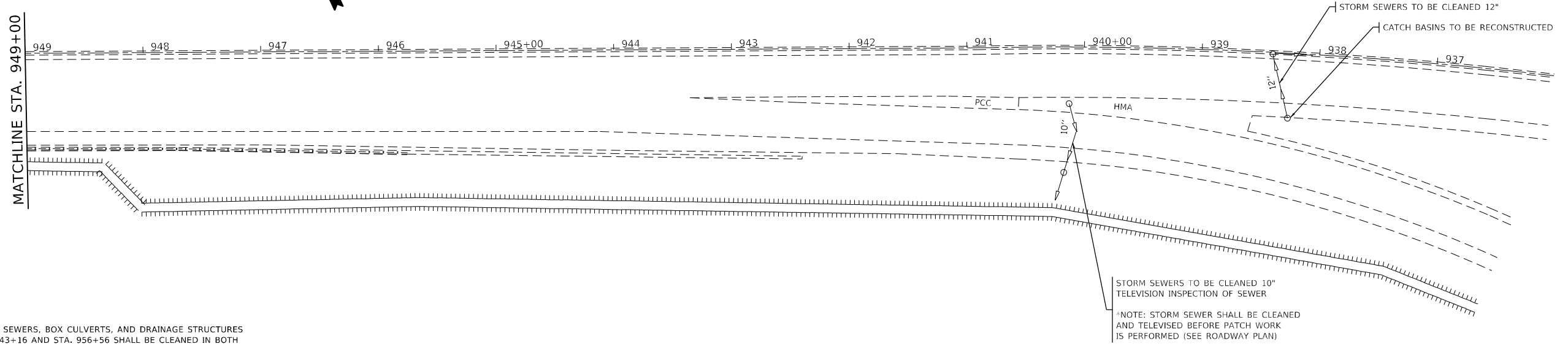
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-290 - ROADWAY PLAN AND PROFILE			
VARIOUS ROUTES - VARIOUS LOCATIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	19
			CONTRACT NO. 62N07	
		ILLINOIS FED. AID PROJECT		

* COOK, DUPAGE, & LAKE

**I-290
(ONLY EASTBOUND LANES SHOWN)**

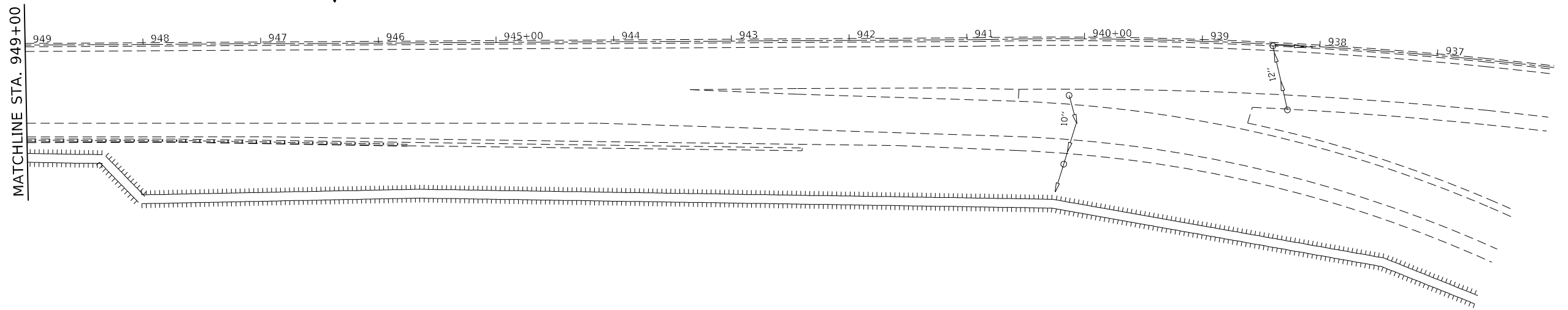


NOTES:

1. EXISTING STORM SEWERS, BOX CULVERTS, AND DRAINAGE STRUCTURES BETWEEN STA. 943+16 AND STA. 956+56 SHALL BE CLEANED IN BOTH DIRECTIONS OF I-290. TELEVISION INSPECTION OF SEWER SHALL BE PERFORMED BETWEEN STA. 943+16 AND STA. 956+56 ON ALL STORM SEWERS IN BOTH DIRECTIONS OF I-290.

EXISTING

**I-290
(ONLY EASTBOUND LANES SHOWN)**



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

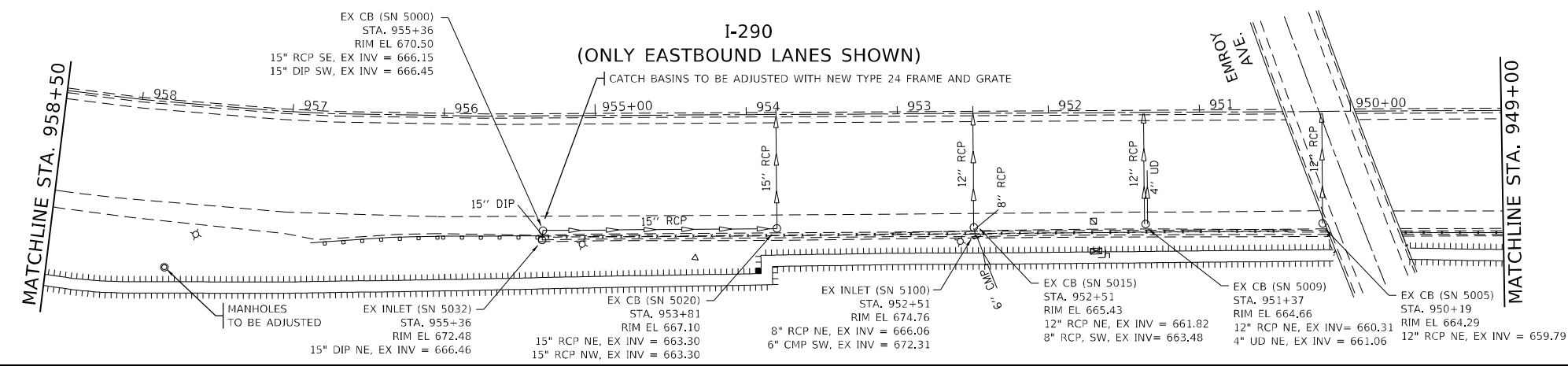
**I-290 - DRAINAGE PLAN AND PROFILE
VARIOUS ROUTES - VARIOUS LOCATIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

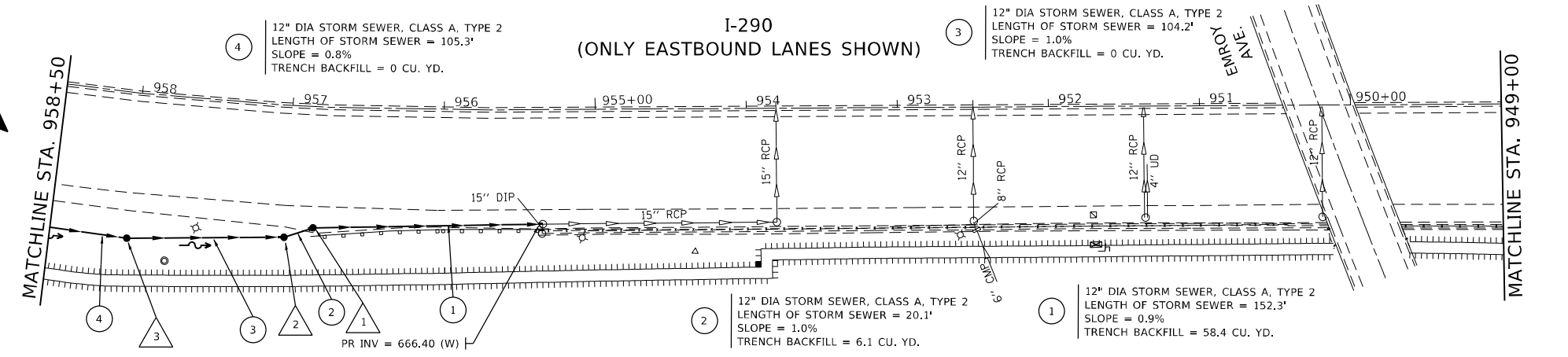
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VAR.	2020-238-T	*	54	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N07	

* COOK, DUPAGE, & LAKE

LOCATION 3



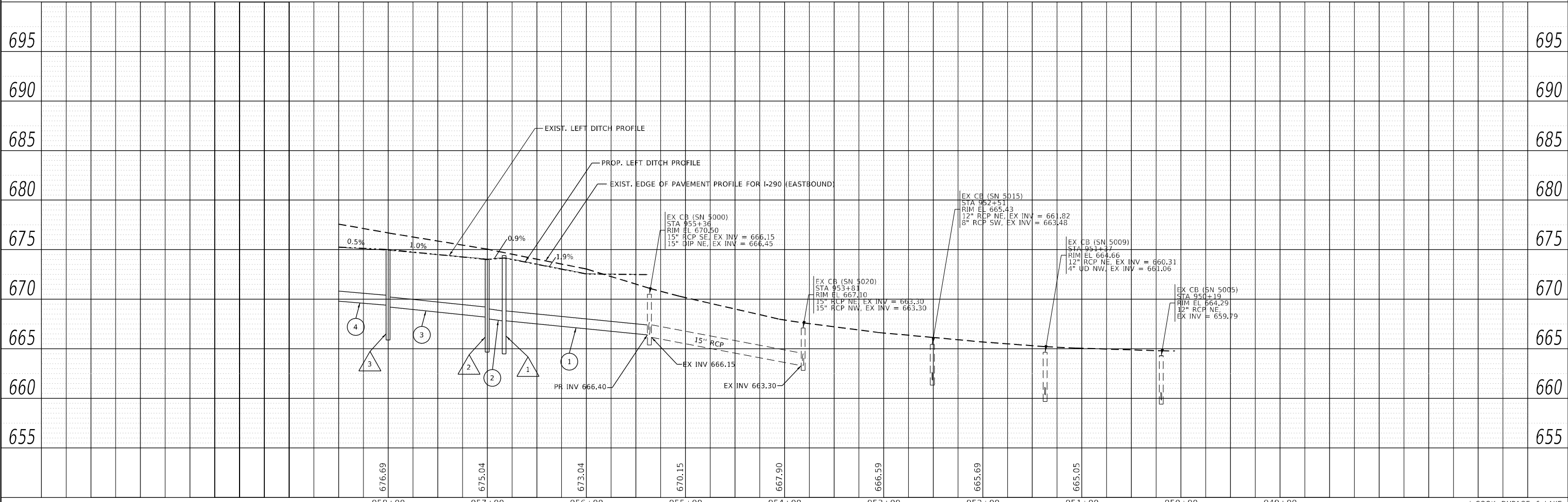
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PROPOSED

- NOTES:**
1. THE CONNECTION OF THE PROPOSED STORM SEWER TO THE EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.
 2. THE SUMP DEPTH FOR ALL PROPOSED CATCH BASINS, TYPE A SHALL BE EQUAL TO 34", MEASURED FROM THE OUTLET PIPE INVERT TO THE BOTTOM OF THE STRUCTURE.
 3. EXISTING STORM SEWERS, BOX CULVERTS, AND DRAINAGE STRUCTURES BETWEEN STA. 943+16 AND STA. 956+56 SHALL BE CLEANED IN BOTH DIRECTIONS OF I-290. TELEVISION INSPECTION OF SEWER SHALL BE PERFORMED BETWEEN STA. 943+16 AND STA. 956+56 ON ALL STORM SEWERS IN BOTH DIRECTIONS OF I-290.

- 1 CB, TY-A, 4' DIA W/ TY-1 FR & OLID STA. 956+83
14.17' LT FROM EOP TO CENTER OF LID
PR RIM EL = 674.41
PR INV = 667.81 (W)
PR INV = 667.81 (SE)
- 2 CB, TY-A, 4' DIA W/ TY-8 GRATE STA. 957+00
21.00' LT FROM EOP TO CENTER OF GRATE
PR RIM EL = 674.00
PR INV = 668.20 (NW)
PR INV = 668.00 (E)
- 3 CB, TY-A, 4' DIA W/ TY-8 GRATE STA. 958+00
30.33' LT FROM EOP TO CENTER OF GRATE
PR RIM EL = 675.00
PR INV = 669.40 (NW)
PR INV = 669.20 (SE)



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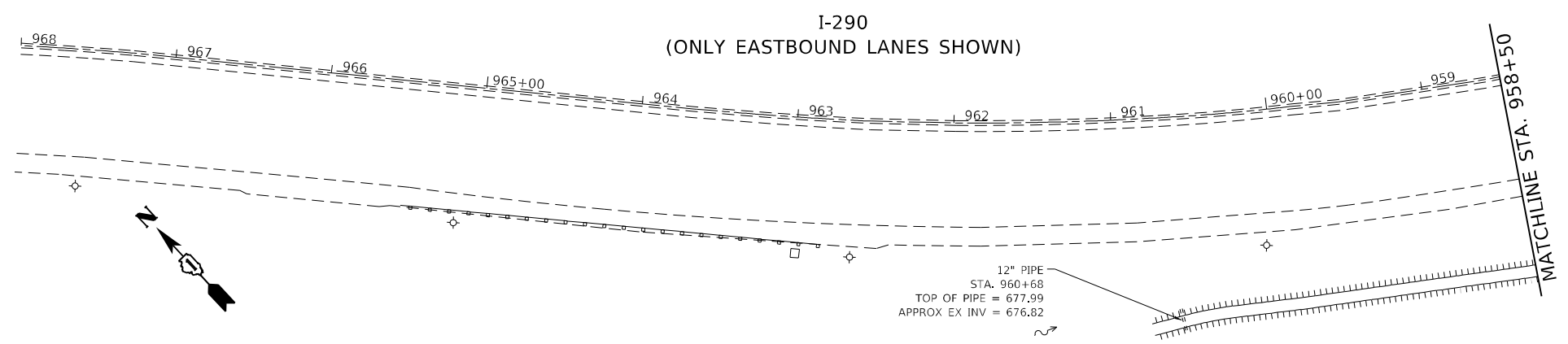
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

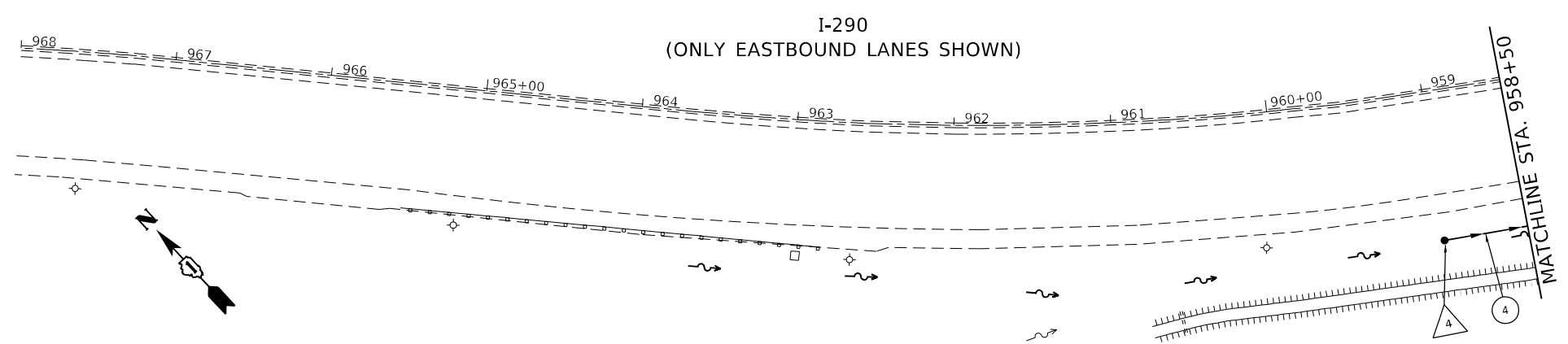
**I-290 - DRAINAGE PLAN AND PROFILE
VARIOUS ROUTES - VARIOUS LOCATIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	21
CONTRACT NO. 62N07			ILLINOIS FED. AID PROJECT	

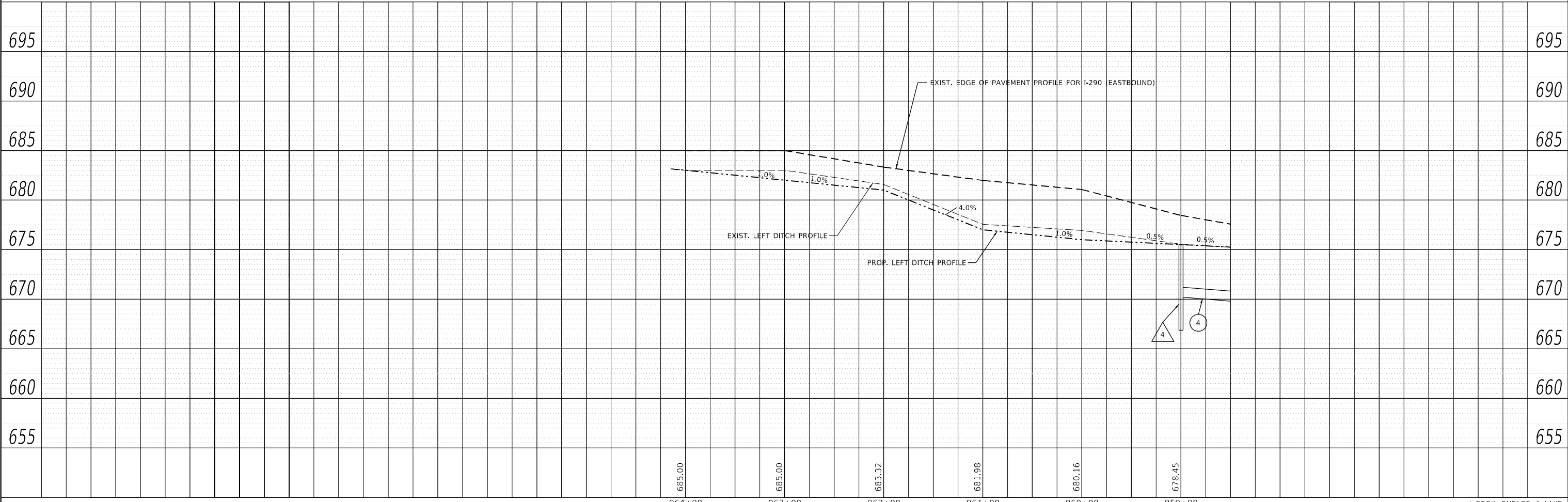


EXISTING



PROPOSED

- △ 4 CB, TY-A, 4' DIA W/ TY-8 GRATE
STA. 959+00
29.66' LT FROM EOP TO CENTER OF GRATE
PR RIM EL = 675.50
PR INV = 670.20 (SE)
- 4 12" DIA STORM SEWER, CLASS A, TYPE 2
LENGTH OF STORM SEWER = 105.3'
SLOPE = 0.8%
TRENCH BACKFILL = 0 CU. YD.



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NOTE BOOK NO.	GRADES CHECKED	CHECKED
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-290 - DRAINAGE PLAN AND PROFILE
VARIOUS ROUTES - VARIOUS LOCATIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N07	

* COOK, DUPAGE, & LAKE

EARTHWORK SCHEDULE							
1	2	3	4	5	6	7	8
I-290, WEST OF EMROY AVENUE	EARTH EXCAVATION (CU. YD.)	EMBANKMENT (CU. YD.)	EARTH EXCAVATION TO BE USED AS EMBANKMENT (ADJUSTED FOR SHRINKAGE (15%)) (CU. YD.)	EARTHWORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)	TOPSOIL EXCAVATION (CU. YD.)	TOPSOIL REQUIRED (CU. YD.)	TOPSOIL BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)
TOTAL =	419	28	356	328	480	323	157

COLUMN 1: LOCATION FROM PLANS

COLUMN 2: CUT QUANTITIES FROM CROSS SECTIONS, WHICH DOES NOT INCLUDE UNSUITABLE MATERIAL OR TOPSOIL

COLUMN 3: FILL QUANTITIES FROM CROSS SECTIONS

COLUMN 4: EARTH EXCAVATION THAT IS TO BE USED AS EMBANKMENT, ADJUSTED FOR SHRINKAGE (SHRINKAGE FACTOR = 15%)

COLUMN 5: COLUMN 4 - COLUMN 3

POSITIVE QUANTITY = EXTRA EXCAVATION

NEGATIVE QUANTITY = FURNISHED EXCAVATION NEEDED

COLUMN 6: TOPSOIL EXCAVATED TO A DEPTH OF 6" IN AREAS THAT SHALL BE DISTURBED BY PROPOSED WORK

COLUMN 7: TOPSOIL REQUIRED BASED ON AREA OF PROPOSED SEEDING (PLACED AT AREAS OF PROPOSED SEEDING AT A DEPTH OF 4")

COLUMN 8: COLUMN 6 - COLUMN 7

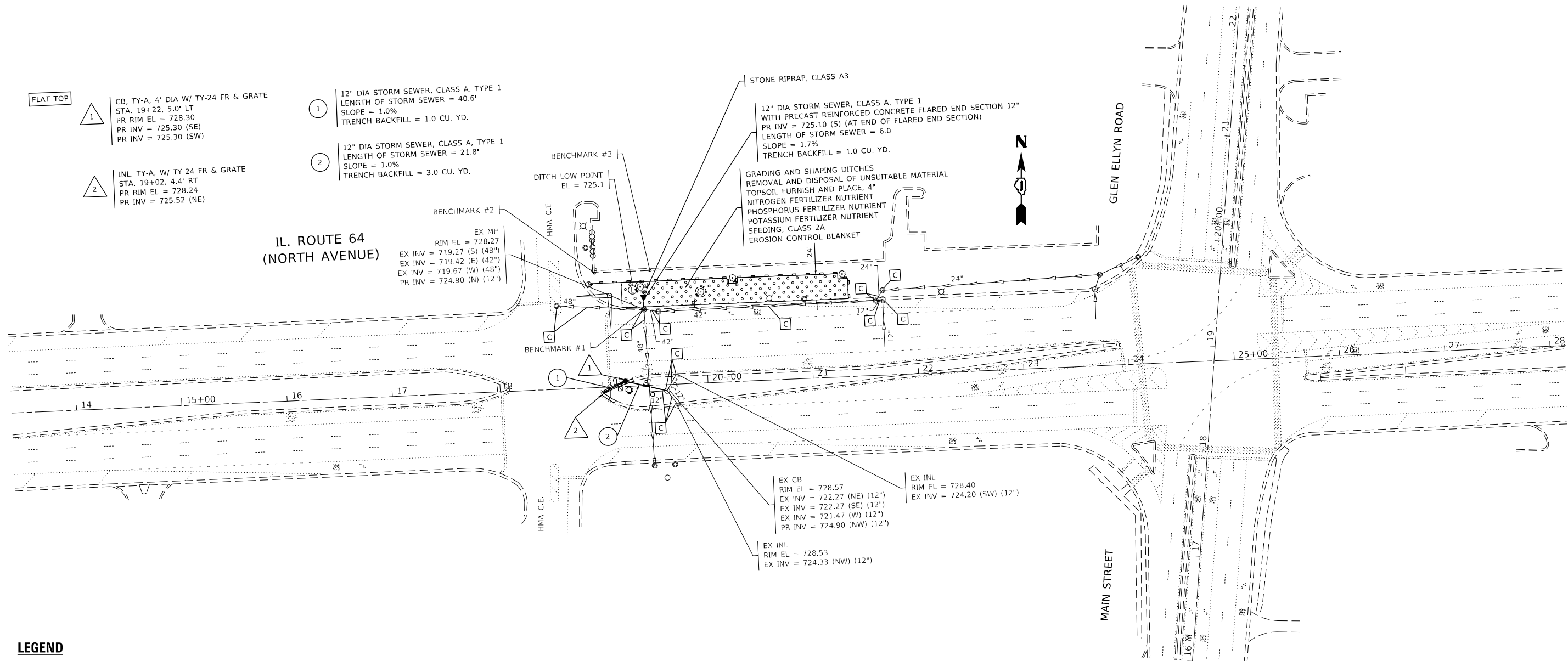
POSITIVE QUANTITY = EXTRA TOPSOIL

NEGATIVE QUANTITY = TOPSOIL FURNISH AND PLACE NEEDED

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¹ COOK, DUPAGE, & LAKE

USER NAME = tariqfm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-290 - EARTHWORK SCHEDULE VARIOUS ROUTES - VARIOUS LOCATIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -			VAR.	2020-238-T	*	54	23	
PLOT DATE = 2/10/2022	CHECKED -	REVISED -			CONTRACT NO. 62N07					
	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO
					ILLINOIS FED. AID PROJECT					



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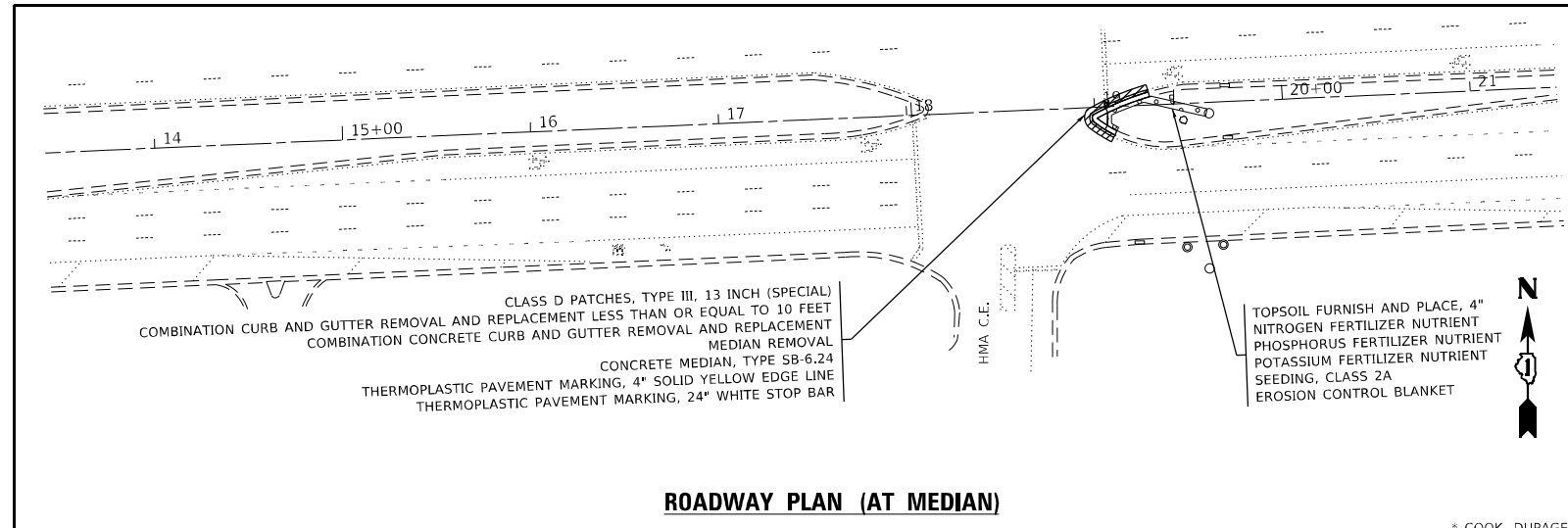
- PERIMETER EROSION BARRIER
- TEMPORARY FENCE
- STONE RIPRAP, CLASS A3
- SEEDING, CLASS 2A
- DRAINAGE STRUCTURE OR STORM SEWER TO BE CLEANED

NOTES:

1. THE CONNECTION OF THE PROPOSED STORM SEWER TO THE EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.
2. TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIPLINE OF THE TREES DESIGNATED TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. THIS IS TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED OR MATERIALS STORED WITHIN THE "TREE PROTECTION ZONE". TEMPORARY FENCE SHALL BE REMOVED ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

BENCHMARKS:

BENCHMARK #	NORTHING	EASTING	ELEVATION
1	1907557.60	1057273.92	728.265
2	1907592.19	1057226.75	726.200
3	1907594.61	1057279.58	726.816



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



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

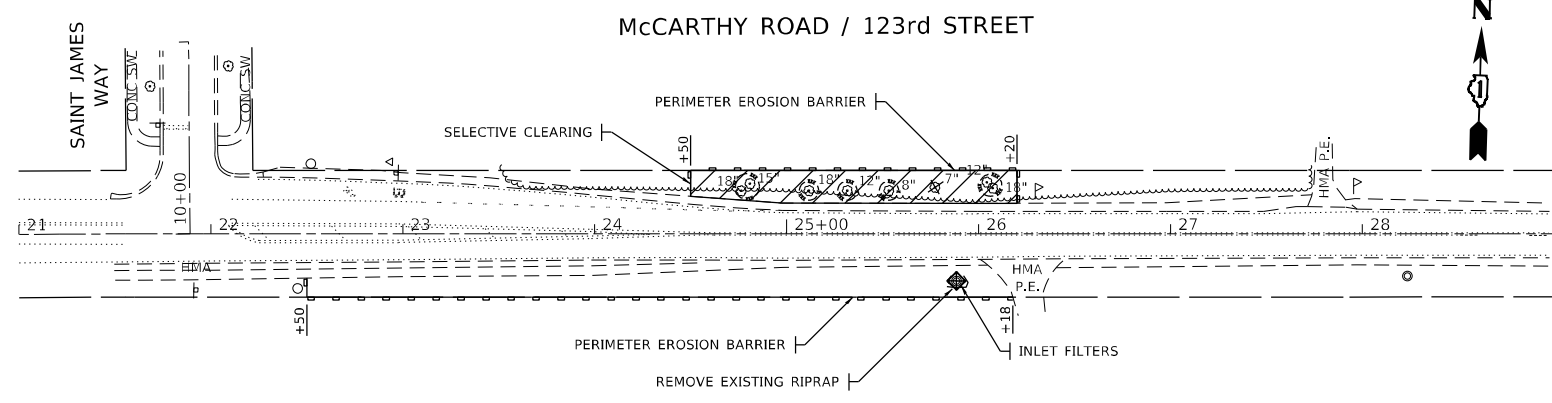
IL 64 - ROADWAY AND DRAINAGE PLAN			
VARIOUS ROUTES - VARIOUS LOCATIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	24
CONTRACT NO. 62N07				
ILLINOIS FED. AID PROJECT				

* COOK, DUPAGE, & LAKE

LEGEND

-  PERIMETER EROSION BARRIER
-  SELECTIVE CLEARING
-  TREE REMOVAL (6 TO 15 UNITS DIAMETER)
-  TEMPORARY FENCE




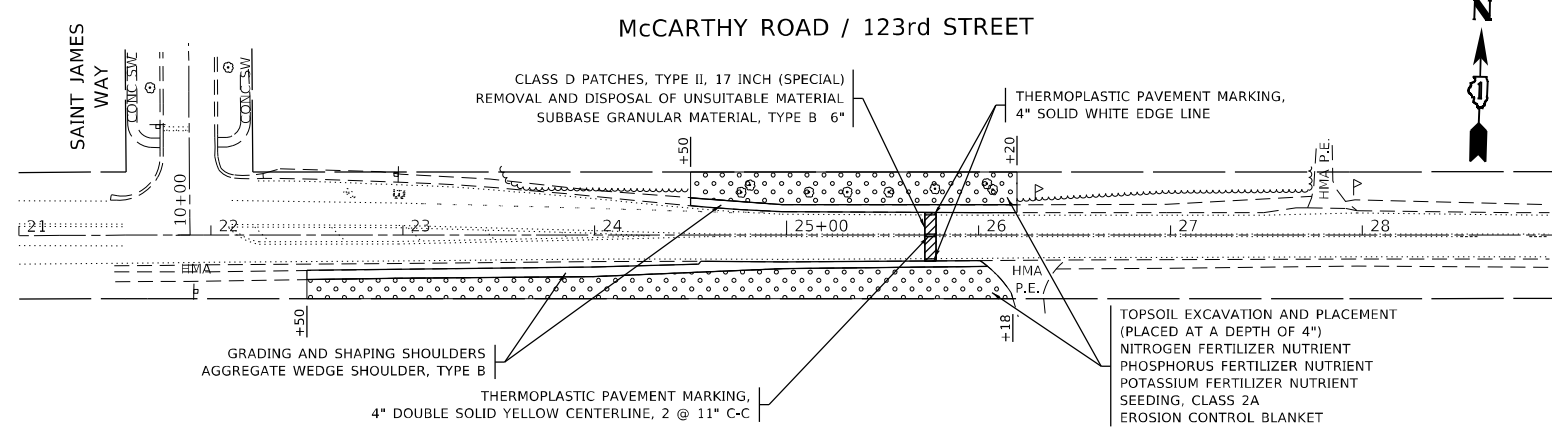
NOTES:

1. TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIPLINE OF THE TREES DESIGNATED TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. THIS IS TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED OR MATERIALS STORED WITHIN THE "TREE PROTECTION ZONE". TEMPORARY FENCE SHALL BE REMOVED ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

EXISTING

LEGEND

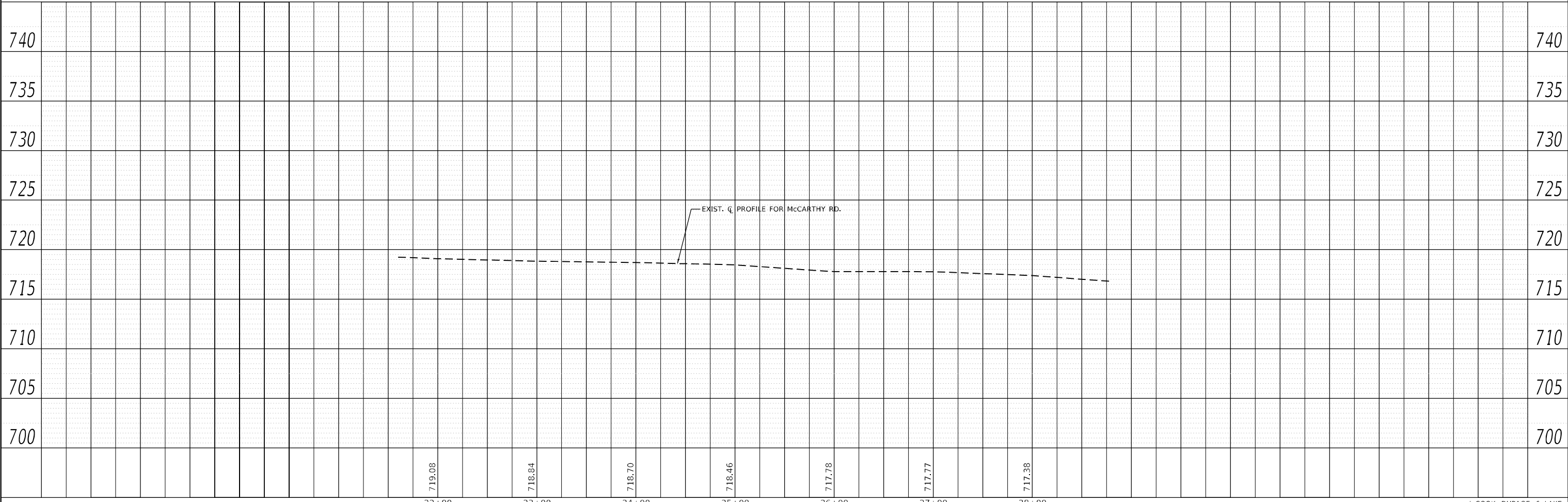
-  SEEDING, CLASS 2A



NOTES:

1. THE REMOVAL OF EXISTING SUBBASE UNDER PATCHING SHALL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

PROPOSED



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PLOT DATE = 2/10/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MCCARTHY ROAD /123rd STREET - ROADWAY PLAN AND PROFILE
VARIOUS ROUTES - VARIOUS LOCATIONS**

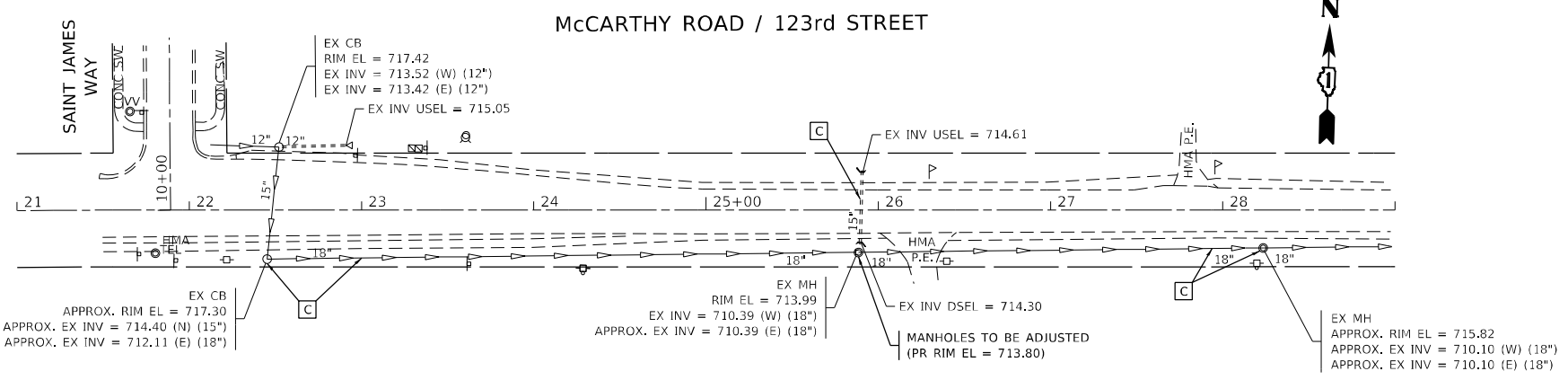
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	25
CONTRACT NO. 62N07			ILLINOIS FED. AID PROJECT	

* COOK, DUPAGE, & LAKE

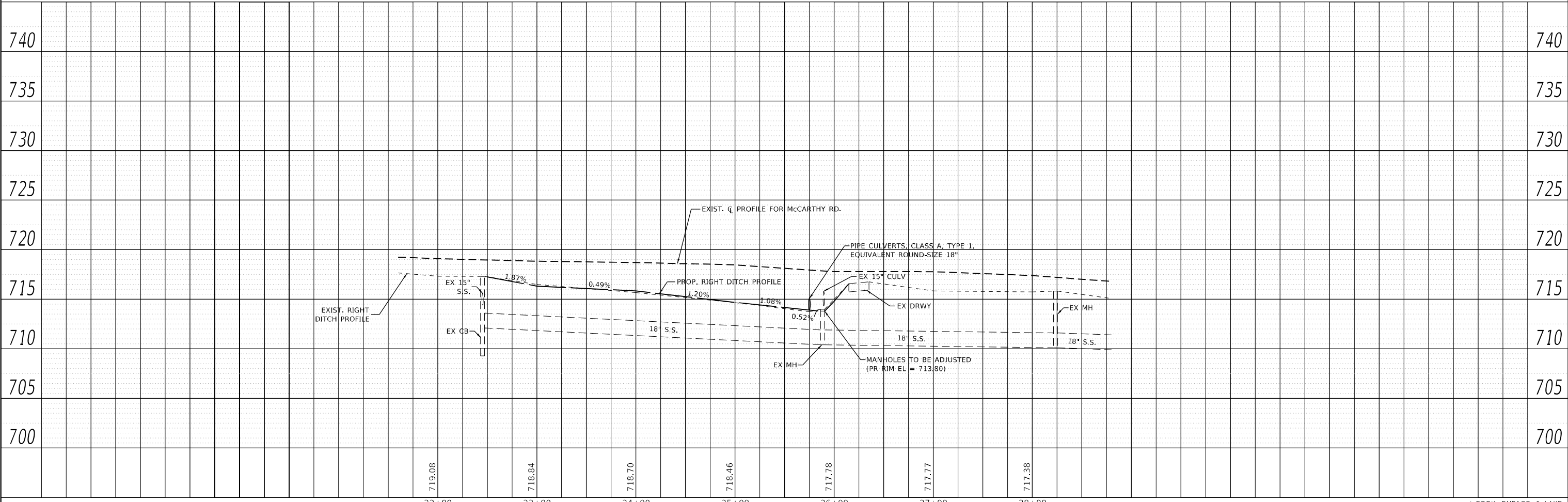
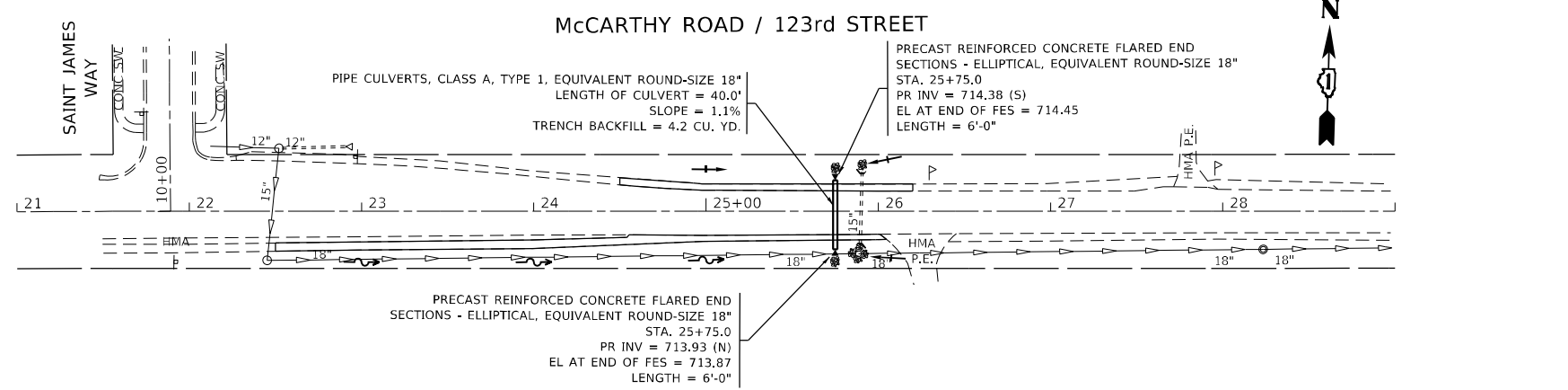
LEGEND

□ DRAINAGE STRUCTURE, STORM SEWER OR PIPE CULVERT TO BE CLEANED



LEGEND

● STONE RIPRAP, CLASS A3



PLAN	SURVEYED	DATE
	BY	
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	BY	
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CADD FILE NAME	
	NO.	

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FILE NAME: \\sullivan\pwworking\benj\proj\2020\238-T\Drawings\DWG\2020-238-T-05.dwg

USER NAME = tariq/m	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/10/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MCCARTHY ROAD / 123rd STREET - DRAINAGE PLAN AND PROFILE
VARIOUS ROUTES - VARIOUS LOCATIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	26
			CONTRACT NO. 62N07	
		ILLINOIS	FED. AID PROJECT	

* COOK, DUPAGE, & LAKE

EARTHWORK SCHEDULE							
1	2	3	4	5	6	7	8
McCARTHY ROAD / 123rd STREET, EAST OF ST. JAMES WAY	EARTH EXCAVATION (CU. YD.)	EMBANKMENT (CU. YD.)	EARTH EXCAVATION TO BE USED AS EMBANKMENT (ADJUSTED FOR SHRINKAGE (15%)) (CU. YD.)	EARTHWORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)	TOPSOIL EXCAVATION (CU. YD.)	TOPSOIL REQUIRED (CU. YD.)	TOPSOIL BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)
LT SIDE	1	11	1	-10	47	35	12
RT SIDE	7	79	6	-73	97	58	39
TOTAL =	8	90	7	-83	144	93	51

COLUMN 1: LOCATION FROM PLANS

COLUMN 2: CUT QUANTITIES FROM CROSS SECTIONS, WHICH DOES NOT INCLUDE UNSUITABLE MATERIAL OR TOPSOIL

COLUMN 3: FILL QUANTITIES FROM CROSS SECTIONS

COLUMN 4: EARTH EXCAVATION THAT IS TO BE USED AS EMBANKMENT, ADJUSTED FOR SHRINKAGE (SHRINKAGE FACTOR = 15%)

COLUMN 5: COLUMN 4 - COLUMN 3

POSITIVE QUANTITY = EXTRA EXCAVATION

NEGATIVE QUANTITY = FURNISHED EXCAVATION NEEDED

COLUMN 6: TOPSOIL EXCAVATED TO A DEPTH OF 6" IN AREAS THAT SHALL BE DISTURBED BY PROPOSED WORK

COLUMN 7: TOPSOIL REQUIRED BASED ON AREA OF PROPOSED SEEDING (PLACED AT AREAS OF PROPOSED SEEDING AT A DEPTH OF 4")

COLUMN 8: COLUMN 6 - COLUMN 7

POSITIVE QUANTITY = EXTRA TOPSOIL

NEGATIVE QUANTITY = TOPSOIL FURNISH AND PLACE NEEDED

MODEL: D:\default; FILE NAME: p:\u0000\paw\bea\paw.com\FW\DOT\Documents\DOT Office\District 3\Project\104021\CD\00Data\Design\104021_eh\loc5\loc5.dgn

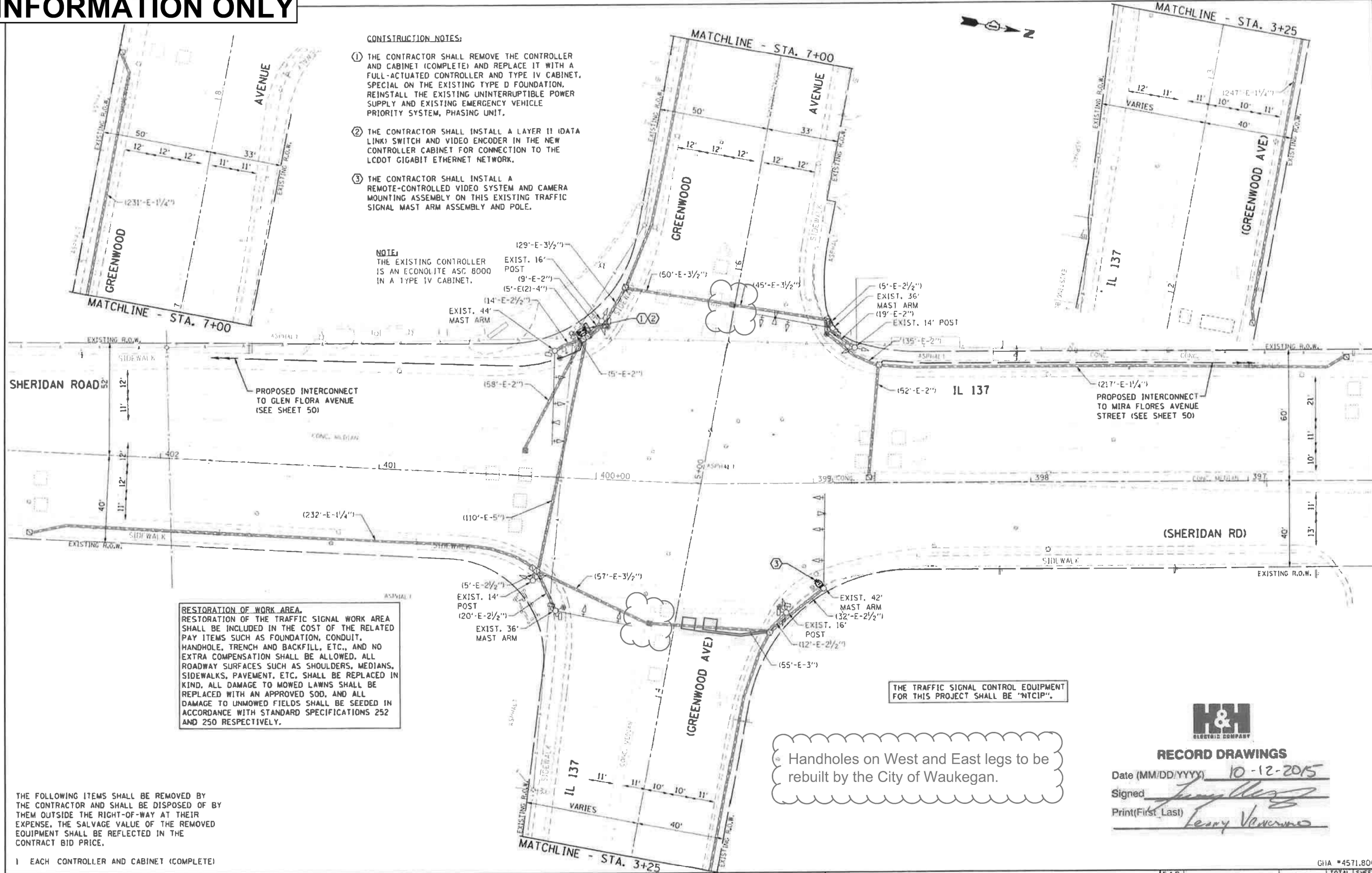
* COOK, DUPAGE, & LAKE

FOR INFORMATION ONLY

CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE CONTROLLER AND CABINET (COMPLETE) AND REPLACE IT WITH A FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL ON THE EXISTING TYPE D FOUNDATION. REINSTALL THE EXISTING UNINTERRUPTIBLE POWER SUPPLY AND EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT.
- ② THE CONTRACTOR SHALL INSTALL A LAYER II (DATA LINK) SWITCH AND VIDEO ENCODER IN THE NEW CONTROLLER CABINET FOR CONNECTION TO THE ICDOT GIGABIT ETHERNET NETWORK.
- ③ THE CONTRACTOR SHALL INSTALL A REMOTE-CONTROLLED VIDEO SYSTEM AND CAMERA MOUNTING ASSEMBLY ON THIS EXISTING TRAFFIC SIGNAL MAST ARM ASSEMBLY AND POLE.

NOTE:
THE EXISTING CONTROLLER IS AN ECONOLITE ASC 8000 IN A TYPE IV CABINET.



RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP".

Handholes on West and East legs to be rebuilt by the City of Waukegan.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)



RECORD DRAWINGS

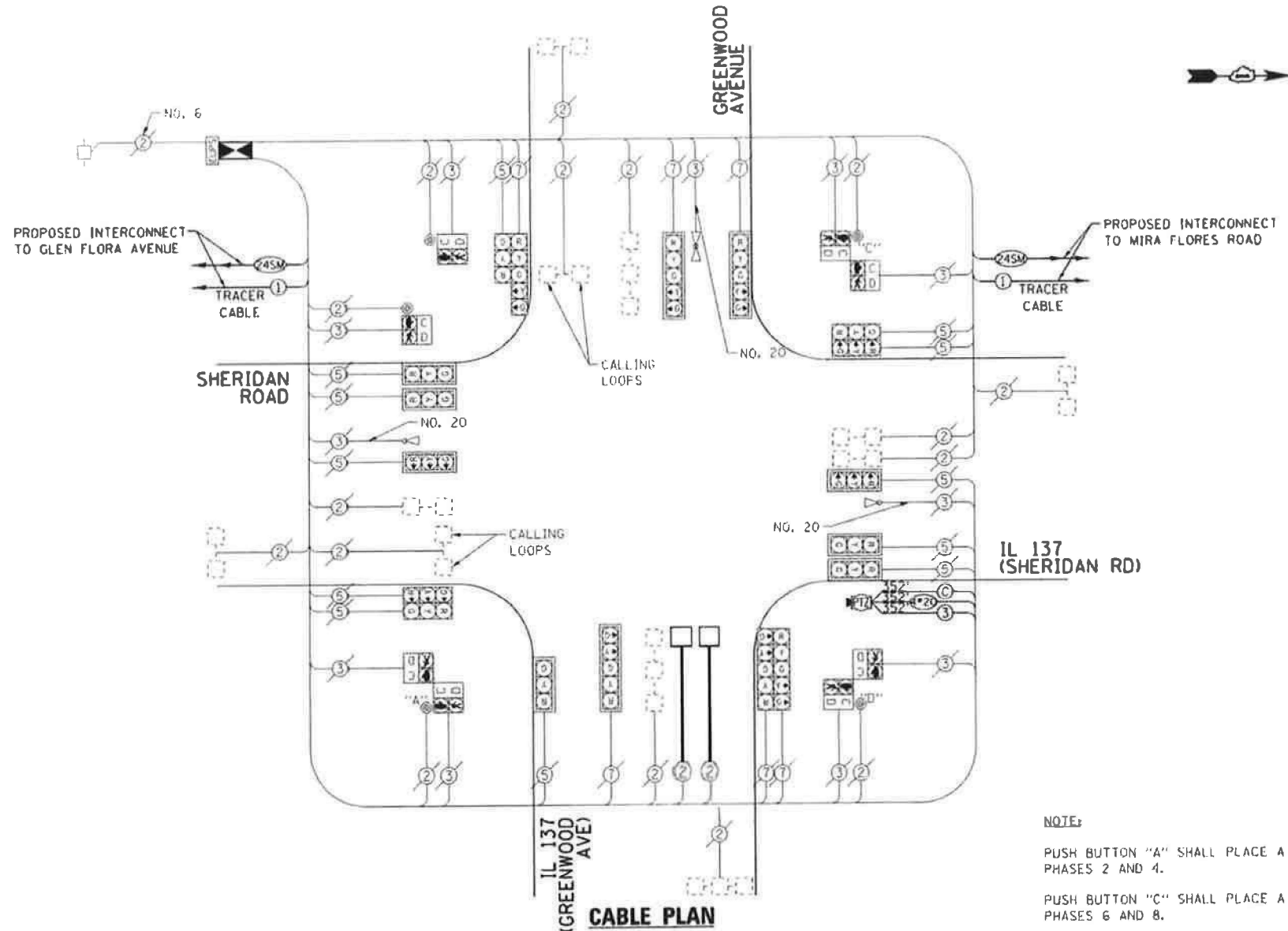
Date (MM/DD/YYYY) 10-12-2015
 Signed [Signature]
 Print(First Last) Leary Venema

FILE NAME D:\61A55-824-15.dgn	USER NAME ZWallsten	DESIGNED - DPB	REVISIONS REVISED - REVISED - CHECKED - DPB DATE - 2/19/2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN IL 137 (SHERIDAN RD) AT GREENWOOD AVENUE	F.A.P. RTE. 2736	SECTION 12-00999-29-TL	COUNTY LAKE	TOTAL SHEETS 73	SHEET NO. 24	CONTRACT NO. 61A55	GHA #4571.800
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FOR INFORMATION ONLY

SCHEDULE OF QUANTITIES IL 137 (SHERIDAN RD) AT GREENWOOD AVENUE

NO.	QUANT.	UNIT	DESCRIPTION
1.	1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2.	352	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
3.	11	EACH	INDUCTIVE LOOP DETECTOR
4.	1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
5.	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
6.	352	FOOT	ELECTRIC CABLE IN CONDUIT, VIDEO NO. 20 4C
7.	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
8.	352	FOOT	ELECTRIC CABLE IN CONDUIT, COAXIAL
9.	1	EACH	RELOCATE EXISTING UPS BATTERY BACK-UP SYSTEM
10.	1	EACH	REMOTE CONTROLLED VIDEO SYSTEM
11.	1	EACH	LAYER II (DATALINK) SWITCH
12.	1	EACH	VIDEO ENCODER
13.	1	EACH	CAMERA MOUNTING ASSEMBLY



NOTE:
 PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.
 PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.
 PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.



RECORD DRAWINGS

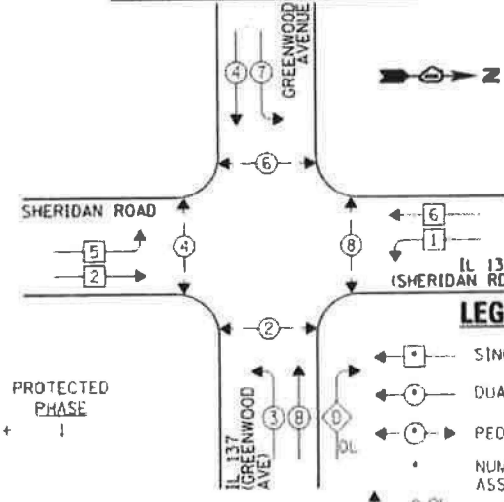
Date (MM/DD/YYYY) 10-12-2015
 Signed [Signature]
 Print (First Last) Lenny Veneziano

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. L.E.D.	OPERATION	
SIGNAL (RED)	18	135	11	153.0
SIGNAL (YELLOW)	18	135	25	132.5
SIGNAL (GREEN)	18	135	15	67.5
ARROW	12	135	12	14.4
RED SIGNAL CONTROLLER	1	90	25	200.0
ILLUMINATED SIGN	1	100	1.00	100.0
L.E.D. ST. NAME SIGN	-	250	0.50	-
VIDEO SYSTEM	1	64	0.50	-
BATTERY BACKUP	1	150	1.00	150.0
ILLUMINATED SIGN	1	25	1.00	25.0
				0.05
TOTAL :				822.4

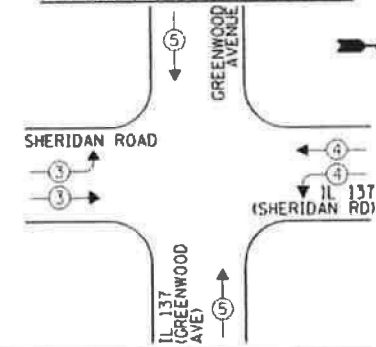
RESTORATION OF WORK AREA.
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "NTCIP".

EXISTING AND PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	⇌	⇌

EXISTING AND PROPOSED PHASE DESIGNATION DIAGRAM



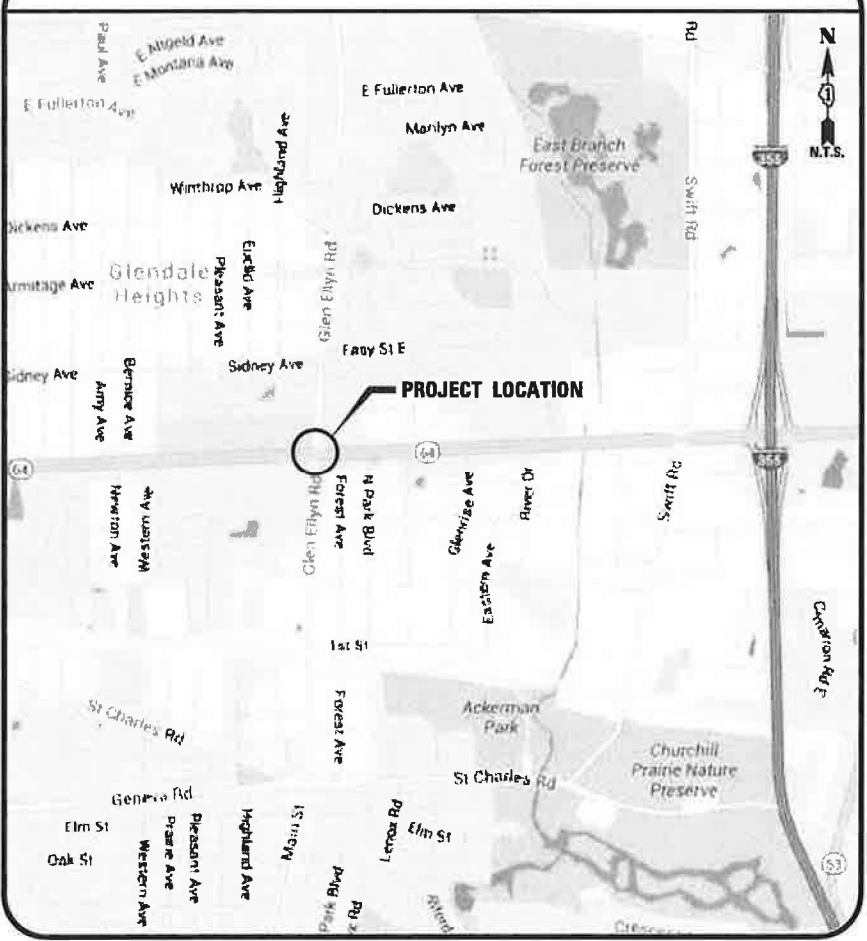
TRAFFIC SIGNAL MODIFICATION PLAN RED LIGHT CAMERA INSTALLATION EASTBOUND AND WESTBOUND

IL ROUTE 64 (NORTH AVENUE) AND GLEN ELLYN ROAD / MAIN STREET GLENDALE HEIGHTS, ILLINOIS

INDEX

- 1 COVERSHEET
- 2 SUMMARY OF QUANTITIES
- 3 RED LIGHT CAMERA INSTALLATION
IL ROUTE 64 AND GLEN ELLYN ROAD
- 4 RED LIGHT CAMERA CABLE PLAN
IL ROUTE 64 AND GLEN ELLYN ROAD
- 5-11 DISTRICT 1 - STANDARD TRAFFIC SIGNAL
DESIGN DETAILS
- 12 ELECTRICAL SERVICE DETAILS

LOCATION / VICINITY MAP



IDOT STANDARDS

STD. NO.	DESCRIPTION
701101-05	OFF-ROAD OPERATIONS, MULTILANE 15' TO 24" FROM PAVEMENT EDGE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701801-07	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
878001-10	CONCRETE FOUNDATION DETAILS

RECORD DRAWING
Meade, Inc.

By *B. J. [Signature]* Date 12/17/18

LOCATION

CALL JULIE 1-800-892-0123
WITH THE FOLLOWING:
COUNTY DUPAGE
CITY-TOWNSHIP GLENDALE HEIGHTS
SEC. & 1/4 SEC. NO. _____
48 HOURS BEFORE YOU DIG.
EXCLUDING SAT., SUN., & HOLIDAYS

George M. Ziegler 8-06-2018
ENGINEER DATE

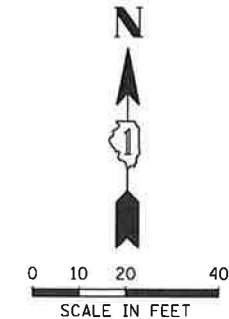
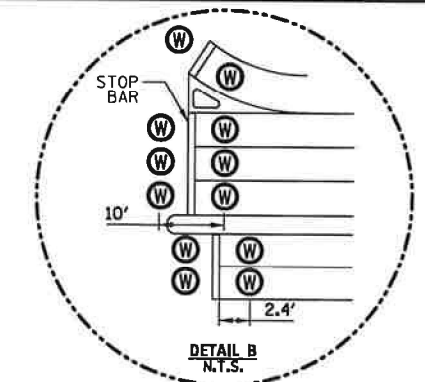
GEORGE M. ZIEGLER
ILLINOIS REGISTRATION No. 062-045853
EXPIRATION DATE: 11-30-2019

CLIENT : **REDSPEED, LLC.**
400 EISENHOWER LANE
LOMBARD, ILLINOIS 60148

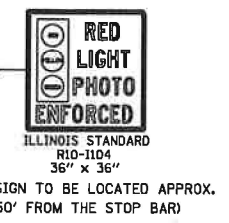
CB **CHRISTOPHER B. BURKE ENGINEERING, LTD.**
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500
PROFESSIONAL DESIGN FIRM No.: 184-001742
EXPIRATION DATE: 04-30-2019

FOR INFORMATION ONLY

- ① RED LIGHT PHOTO ENFORCEMENT SIGNS SHALL BE INSTALLED IN LOCATIONS AS SHOWN ON PLANS. SIGNS SHALL BE PLACED AT THE FOLLOWING: 1) THE FAR MAST ARM/SIGNAL POLE. 2) APPROXIMATELY 150' BEFORE THE INTERSECTION. THE SIGNS SHALL BE OF DIMENSIONS 36" X 36" ACCORDING TO ILLINOIS STANDARD R10-1104.
- ② ORANGE AND RED FLAGS MUST BE ATTACHED TO EACH SIGN FOR THE FIRST WEEK OF LIVE RLR CAMERA ENFORCEMENT.
- ③ ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE SETBACK REQUIREMENTS SHOWN ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS. THE IDOT AREA TRAFFIC SIGNAL ENGINEER MUST APPROVE ANY INSTALLATION WHICH DOES NOT MEET THE SETBACK REQUIREMENTS PRIOR TO CONSTRUCTION.
- ④ ALL PROPOSED HANDHOLES SHALL BE LOCATED TO LIMIT THE INTRUSION INTO THE EXISTING SIDEWALK.
- ⑤ SIGNAL CHANGE INDICATIONS WILL BE RECEIVED THROUGH INDUCTANCE COILS ATTACHED TO SIGNAL CABLES IN THE EXISTING CABINET. NO DIRECT CONNECTIONS OR SPLICES ARE ALLOWED.
- ⑥ IDOT CONDUIT CAN ONLY BE USED TO FACILITATE THE ACQUISITION OF THE CHANGE INDICATION THROUGH THE USE OF INDUCTANCE COILS.
- ⑦ THE COVER OF THE HANDHOLE FRAME SHALL BE LABELED "RLRC" WITH LEGIBLE RAISED LETTERS.

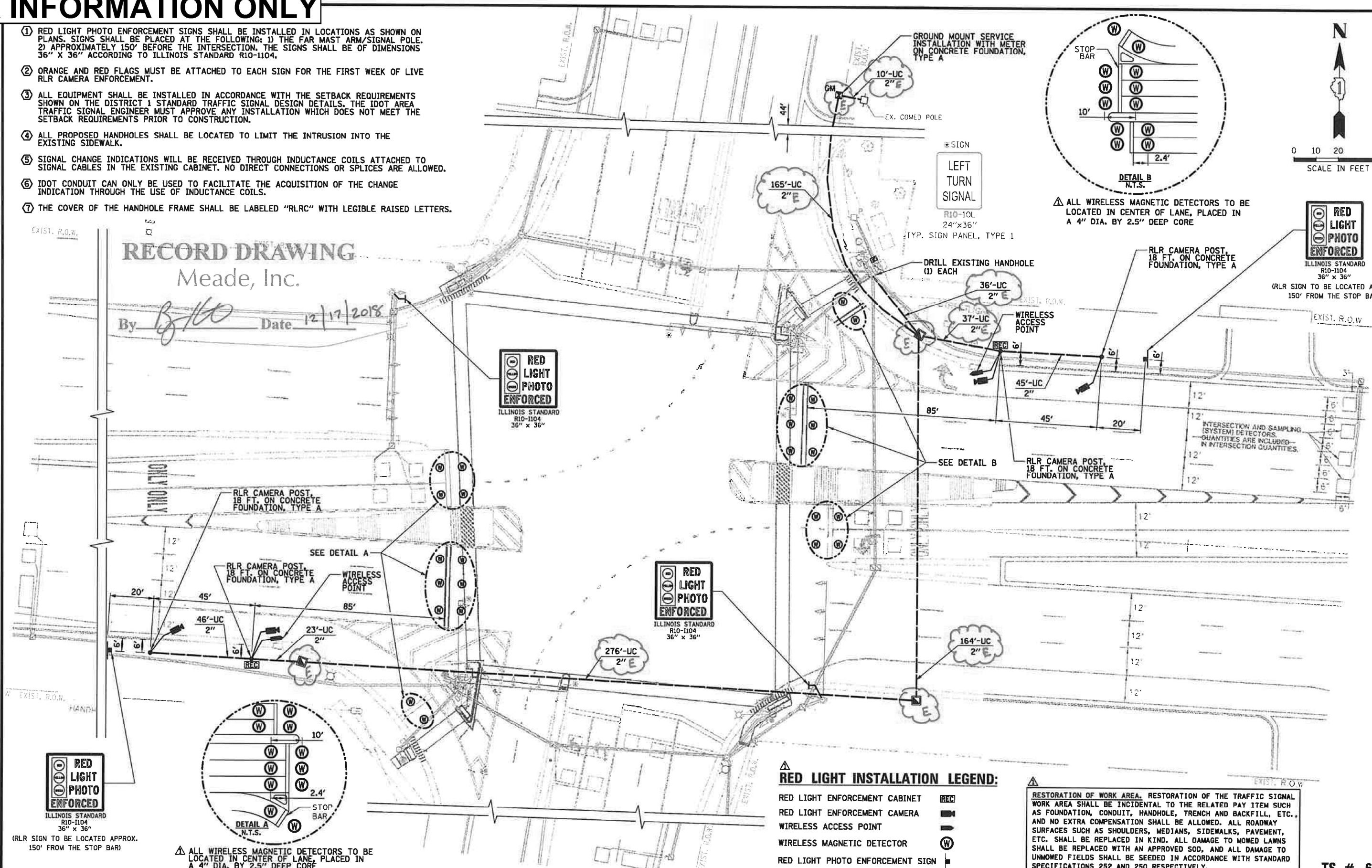


▲ ALL WIRELESS MAGNETIC DETECTORS TO BE LOCATED IN CENTER OF LANE, PLACED IN A 4" DIA. BY 2.5" DEEP CORE



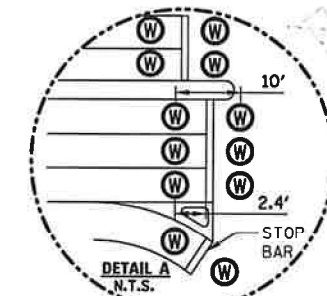
RECORD DRAWING
Meade, Inc.

By *B/B* Date *12/17/2018*



- RED LIGHT INSTALLATION LEGEND:**
- RED LIGHT ENFORCEMENT CABINET [REC]
 - RED LIGHT ENFORCEMENT CAMERA [CAM]
 - WIRELESS ACCESS POINT [WAP]
 - WIRELESS MAGNETIC DETECTOR [W]
 - RED LIGHT PHOTO ENFORCEMENT SIGN [S]

▲ RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

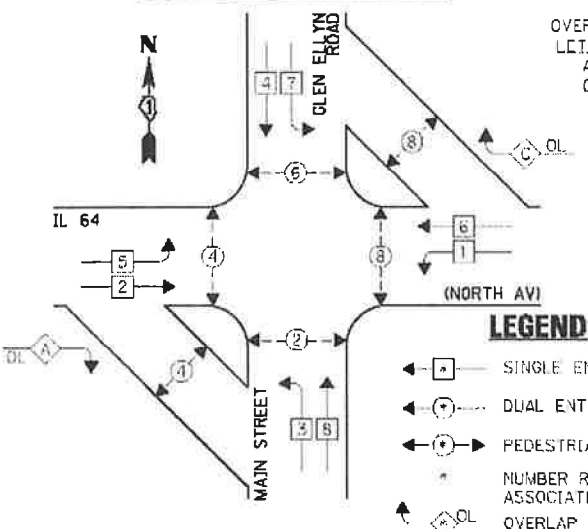


▲ ALL WIRELESS MAGNETIC DETECTORS TO BE LOCATED IN CENTER OF LANE, PLACED IN A 4" DIA. BY 2.5" DEEP CORE

CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	CLIENT: REDSPEED, LLC. 400 EISENHOWER LANE LOMBARD, ILLINOIS 60148	NO. 18-06-2018 DATE 18-06-2018	TITLE: RED LIGHT CAMERA INSTALLATION PLAN IL ROUTE 64 (NORTH AVENUE) AND GLEN ELLYN ROAD / MAIN STREET GLENDALE HEIGHTS, ILLINOIS	PROJECT NO. 180360
		DSGN. FN DWN. FPB CHKD. GMZ SCALE: 1" = 20' DATE: 8-06-2018	NATURE OF REVISION N:\REDSPEED\180360\Traffic\003_RLC.slg-1.64-Gen Elyn.dgn	SHEET 3 OF 12 DRAWING NO.

FOR INFORMATION ONLY

EXISTING CONTROLLER SEQUENCE



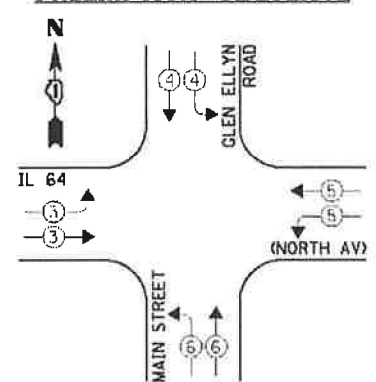
OVERLAP LETTER	PERMISSIVE CHASE	PROTECTED CHASE
A	2	3
C	6	7

LEGEND:

- ◀ [Symbol] ▶ SINGLE ENTRY PHASE
- ◀ [Symbol] ▶ DUAL ENTRY PHASE
- ◀ [Symbol] ▶ PEDESTRIAN PHASE
- [Symbol] NUMBER REFERS TO ASSOCIATED PHASE
- ◀ [Symbol] ▶ OVERLAP

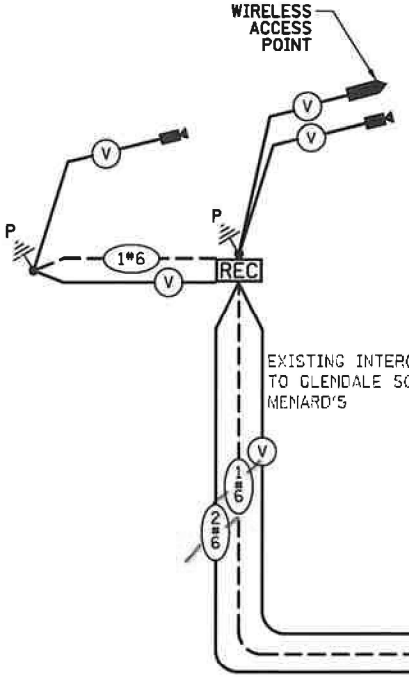
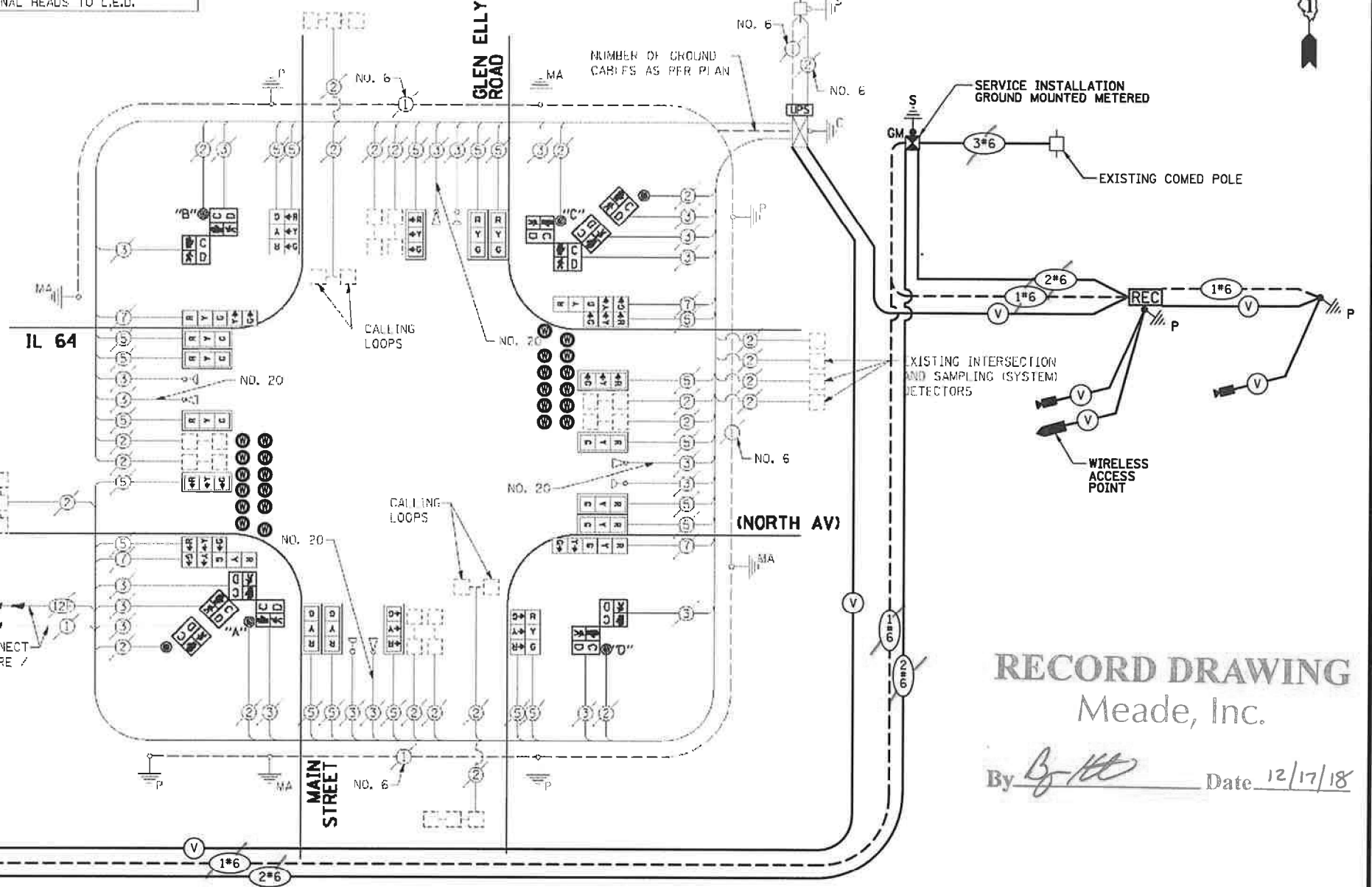
EXISTING PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTE:
THE EXISTING CONTROLLER IS AN EAGLE EPAC 300 IN A TYPE IV CABINET.
RETROFIT ALL EXISTING TRAFFIC SIGNAL HEADS TO L.E.D.

RETROFIT ALL EXISTING TRAFFIC SIGNAL HEADS TO L.E.D.



RECORD DRAWING
Meade, Inc.

By *[Signature]* Date 12/17/18

CONSTRUCTION NOTES:

- 1 RED LIGHT PHOTO ENFORCEMENT SIGNS SHALL BE INSTALLED IN LOCATIONS AS SHOWN ON PLANS. SIGNS SHALL BE PLACED AT THE FOLLOWING: 1) THE FAR MAST ARM/SIGNAL POLE. 2) APPROXIMATELY 150' BEFORE THE INTERSECTION. THE SIGNS SHALL BE OF DIMENSIONS 36" X 36" ACCORDING TO ILLINOIS STANDARD R10-1104.
- 2 ORANGE AND RED FLAGS MUST BE ATTACHED TO EACH SIGN FOR THE FIRST WEEK OF LIVE RLR CAMERA ENFORCEMENT.
- 3 ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE SETBACK REQUIREMENTS SHOWN ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS. THE IDOT AREA TRAFFIC SIGNAL ENGINEER MUST APPROVE ANY INSTALLATION WHICH DOES NOT MEET THE SETBACK REQUIREMENTS PRIOR TO CONSTRUCTION.
- 4 ALL PROPOSED HANDHOLES SHALL BE LOCATED TO LIMIT THE INTRUSION INTO THE EXISTING SIDEWALK.
- 5 SIGNAL CHANGE INDICATIONS WILL BE RECEIVED THROUGH INDUCTANCE COILS ATTACHED TO SIGNAL CABLES IN THE EXISTING CABINET. NO DIRECT CONNECTIONS OR SPLICES ARE ALLOWED.
- 6 IDOT CONDUIT CAN ONLY BE USED TO FACILITATE THE ACQUISITION OF THE CHANGE INDICATION THROUGH THE USE OF INDUCTANCE COILS.
- 7 THE COVER OF THE HANDHOLE FRAME SHALL BE LABELED "RLRC" WITH LEGIBLE RAISED LETTERS.

RED LIGHT INSTALLATION LEGEND:

- RED LIGHT ENFORCEMENT CABINET [REC]
- RED LIGHT ENFORCEMENT CAMERA [Camera Icon]
- WIRELESS ACCESS POINT [AP Icon]
- WIRELESS MAGNETIC DETECTOR [M Icon]
- GROUND ROD AT SERVICE INSTALLATION [S Rod Icon]
- GROUND ROD AT CAMERA, FLASH UNIT AND DETECTION POLE [P Rod Icon]

CABLE PLAN

TYPE	NO. LAMPS	WATTAGE		OPERATION	TOTAL WATTAGE
		INCAN.	L.E.D.		
SIGNAL (RED)	24	135	17	0.50	394.0
SIGNAL (YELLOW)	24	135	25	0.25	150.0
SIGNAL (GREEN)	24	135	12	0.25	90.0
ARRIVAL	8	135	12	0.10	9.8
RED. SIGNAL	12	90	25	1.00	300.0
CONTROLLER	-	-	100	1.00	100.0
LUMINAIRE	-	-	250	0.50	-
L.E.D. ST. NAME SIGN	-	-	64	0.50	-
VIDEO SYSTEM	-	-	150	1.00	-
BATTERY BACKUP	-	-	25	1.00	25.0
ILLUMINATED SIGN	-	-	25	0.05	-
TOTAL =					878.6

ENERGY COSTS - BILLED TO: IL DEPT. OF TRANSPORTATION
ADDRESS: 201 W. CENTER COURT
ADDRESS: SCHAMBERG, IL 60196-1096
ENERGY SUPPLY - CON. AC: JOE STACHO
PHONE: 6301 424-5704
COMPANY: COM-ED

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

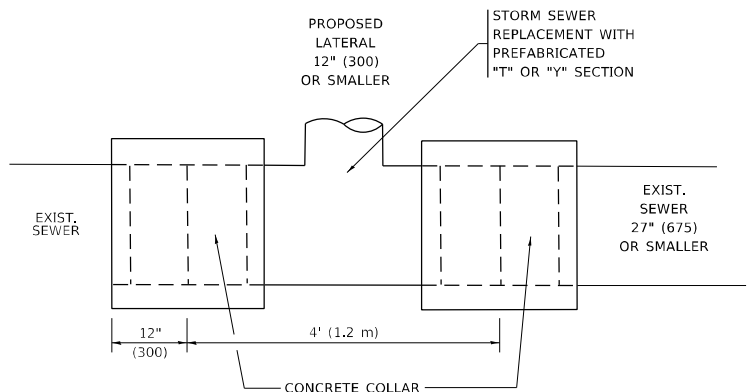
CLIENT: **REDSPEED, LLC.**
400 EISENHOWER LANE
LOMBARD, ILLINOIS 60148

NO.	DATE	NATURE OF REVISION	CHKD.
1	8-06-2018	RED LIGHT CAMERA INSTALLATION	

DSGN.	FN
DWN.	FPB
CHKD.	GMZ
SCALE:	1" = 20'
DATE:	8-06-2018

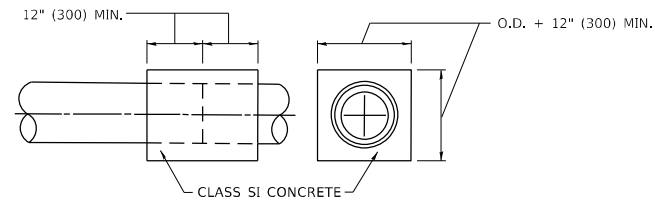
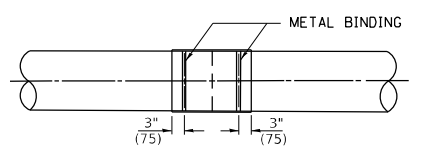
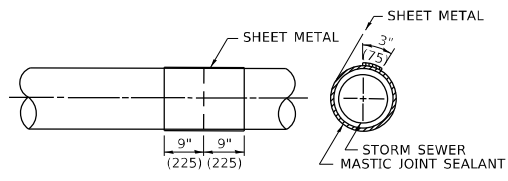
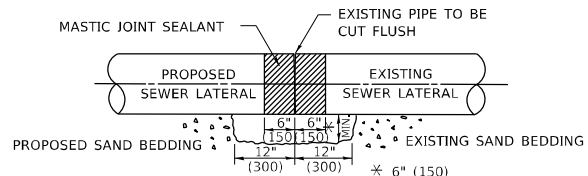
TITLE: **RED LIGHT CAMERA CABLE PLAN**
IL ROUTE 64 (NORTH AVENUE) AND
GLEN ELLYN ROAD / MAIN STREET
GLENDALE HEIGHTS, ILLINOIS

PROJECT NO.	180360
SHEET 4 OF 12	
DRAWING NO.	



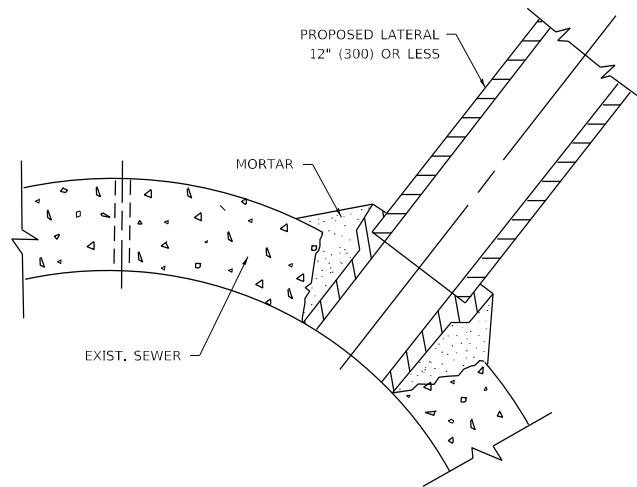
DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"

CLASS SI CONCRETE COLLAR



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT, BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

- TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
- REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
- TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
- CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

* COOK, DUPAGE, & LAKE

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	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. SHAH 06-12-96
PLOT DATE = 2/10/2022	DATE - 07-25-90	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

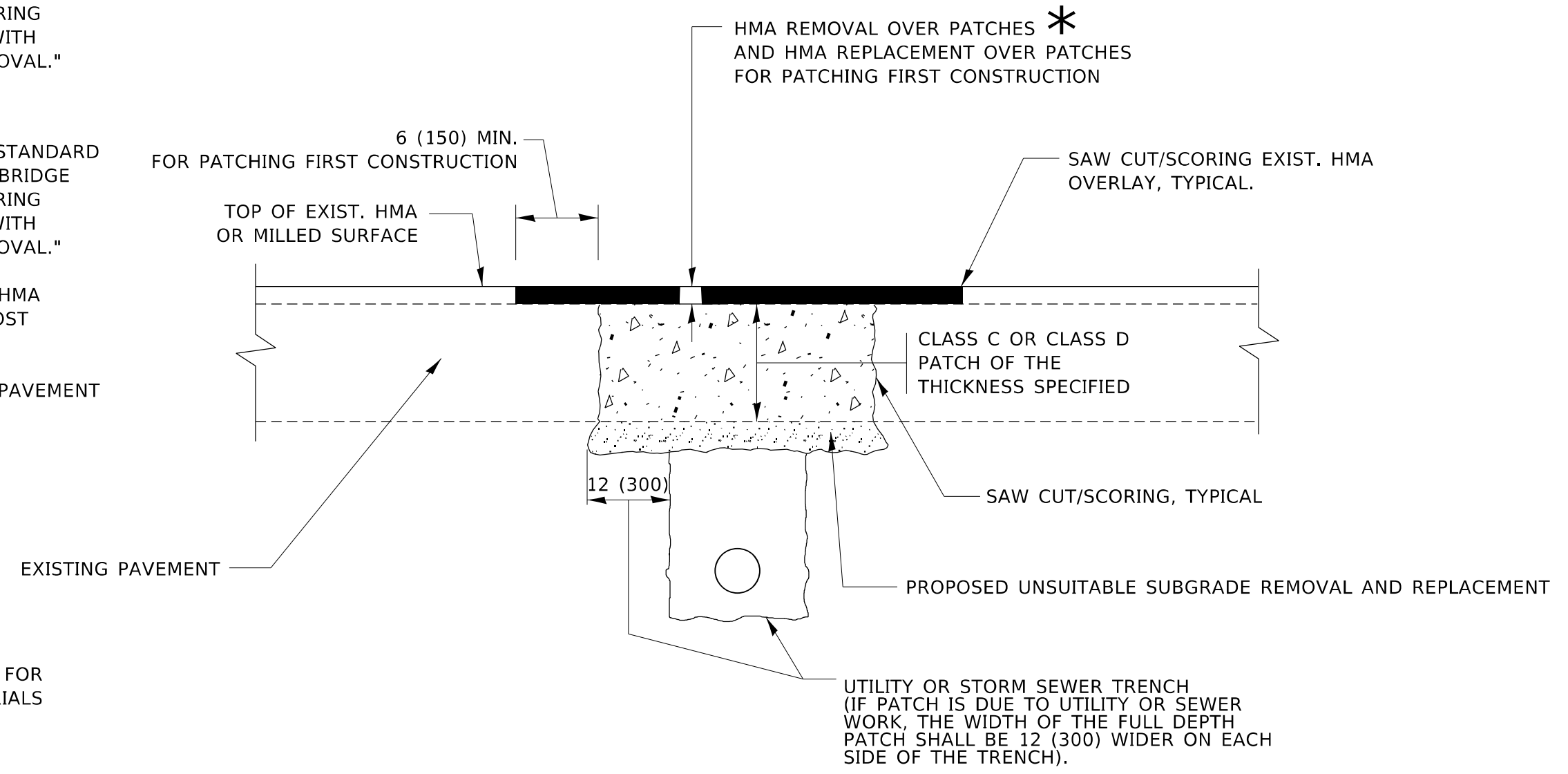
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	33
BD500-01 (BD-07)			CONTRACT NO. 62N07	
ILLINOIS FED. AID PROJECT				

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.

* COOK, DUPAGE, & LAKE

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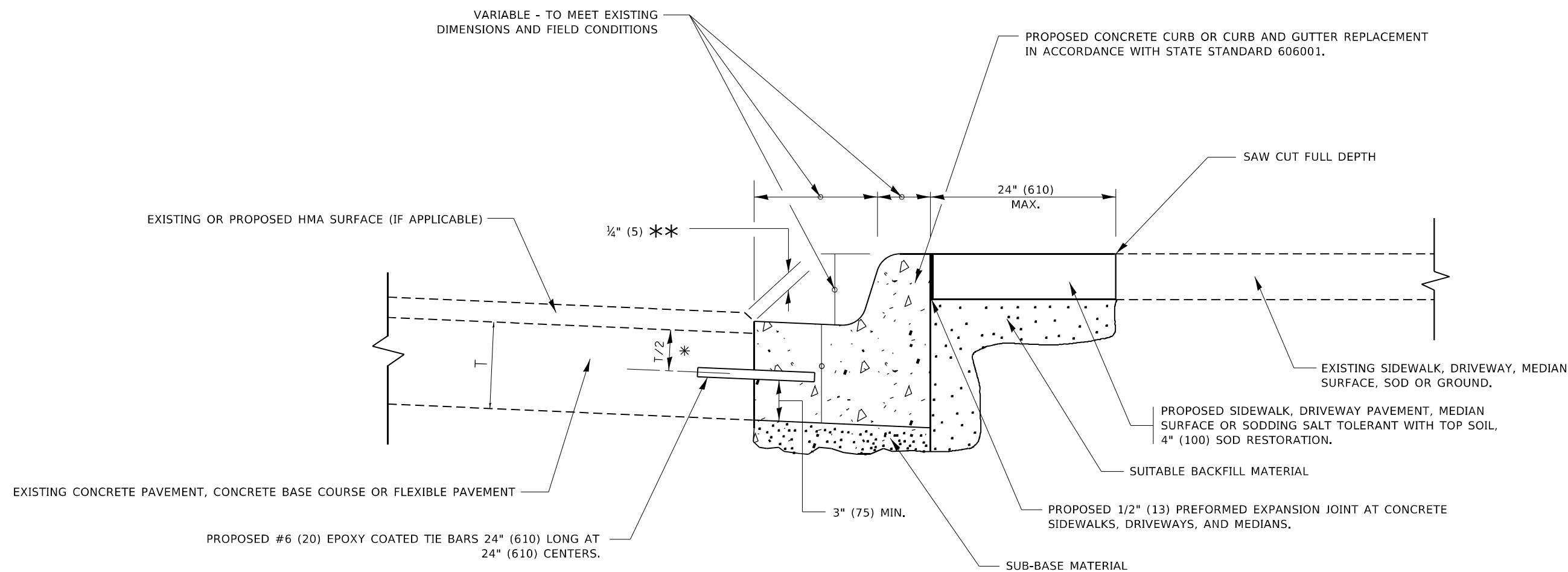
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PLOT DATE = 2/10/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	34
BD400-04 (BD-22)			CONTRACT NO. 62N07	
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.

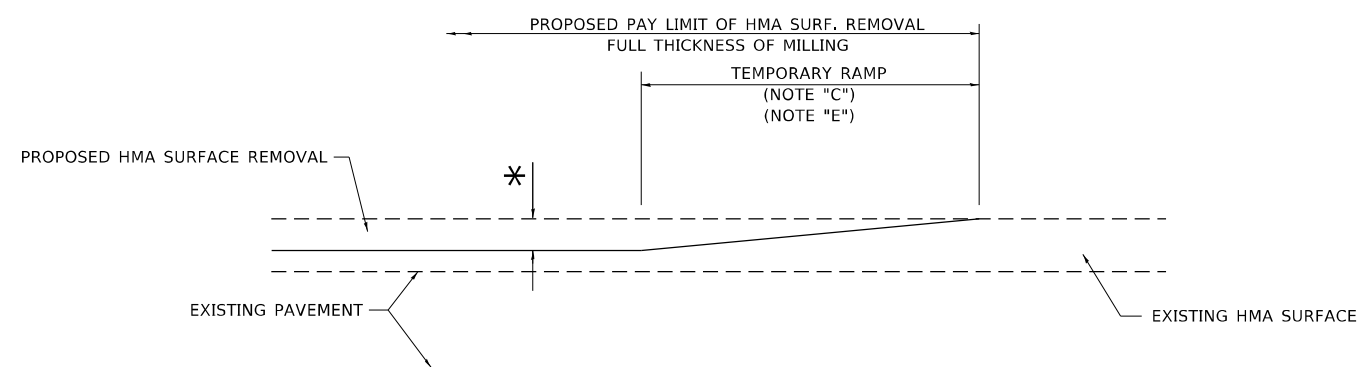
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

* COOK, DUPAGE, & LAKE

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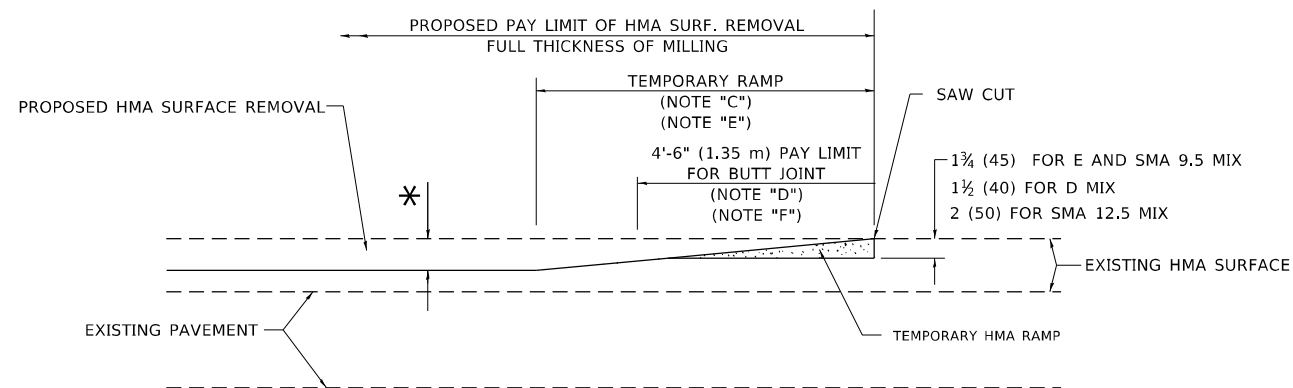
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																						
VAR.	2020-238-T	*	54	35																						
BD600-06 (BD-24)			CONTRACT NO. 62N07																							
ILLINOIS FED. AID PROJECT																										



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

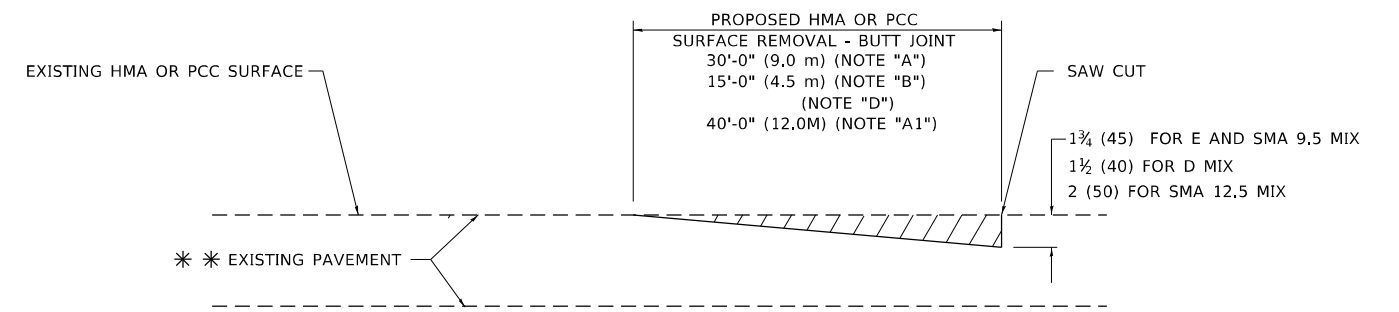


HMA CONSTRUCTED TEMPORARY RAMP

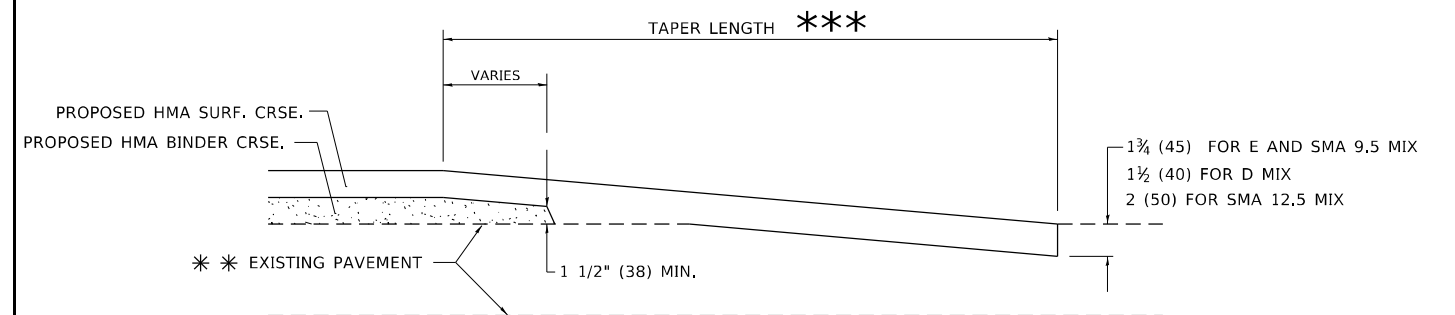
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

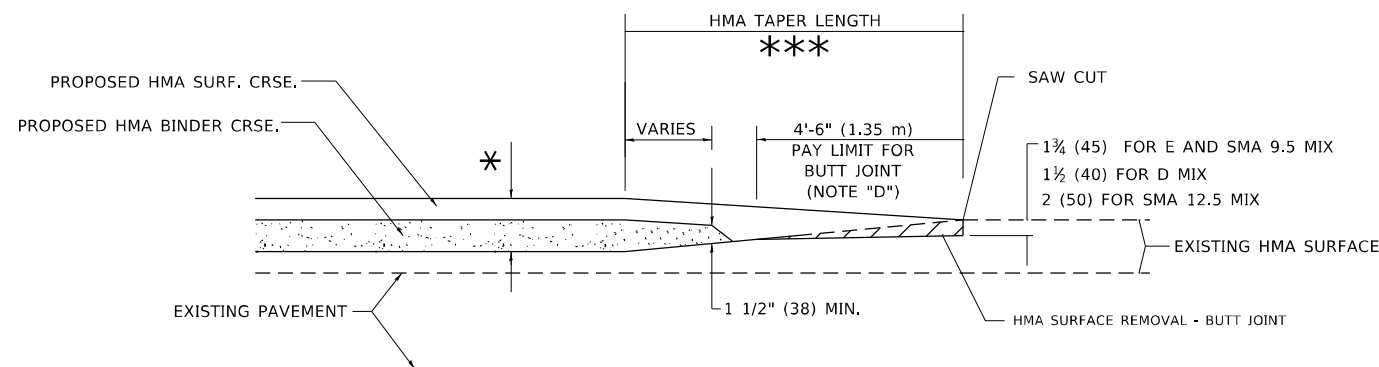
- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. 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

- 1. 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".
- 2. 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.

* COOK, DUPAGE, & LAKE



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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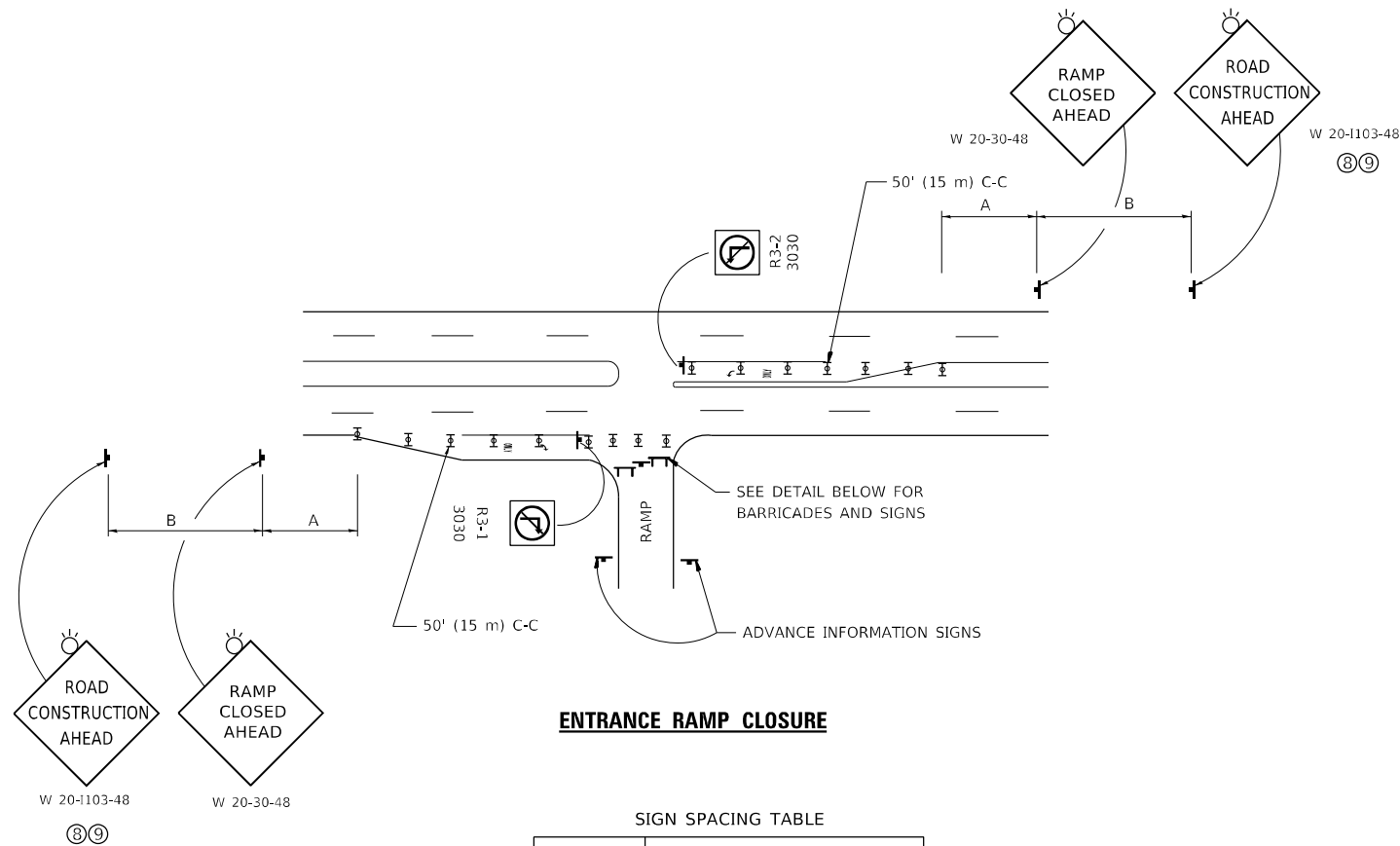
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PLOT DATE = 2/10/2022	DATE - 06-13-90	REVISED - R. BORO 01-01-07
		REVISED - K. SMITH 02-01-22

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.
VAR.	2020-238-T	*	54	36
BD400-05 BD-32		CONTRACT NO. 62N07		
ILLINOIS FED. AID PROJECT				

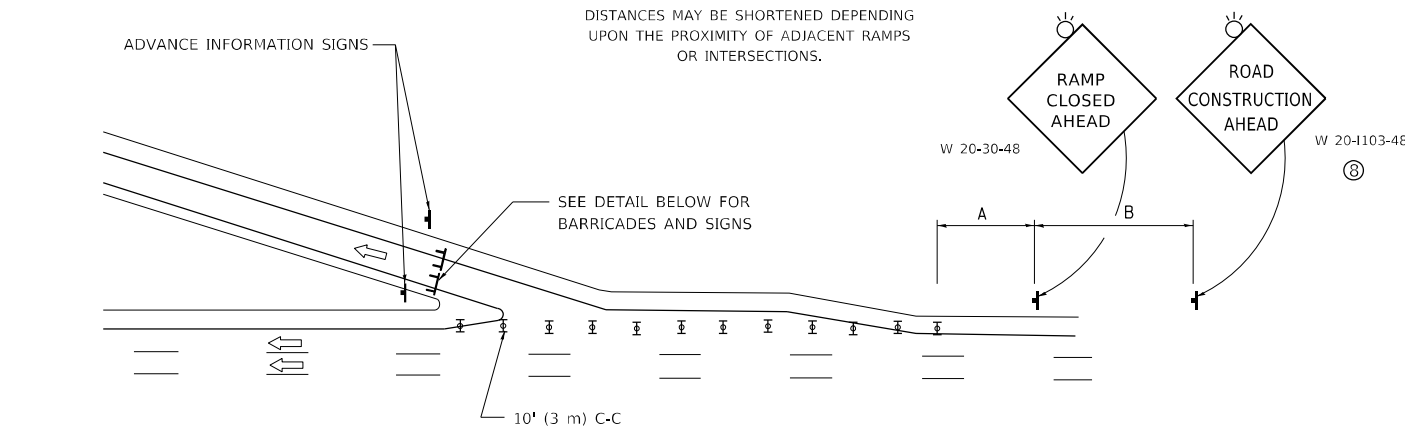


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

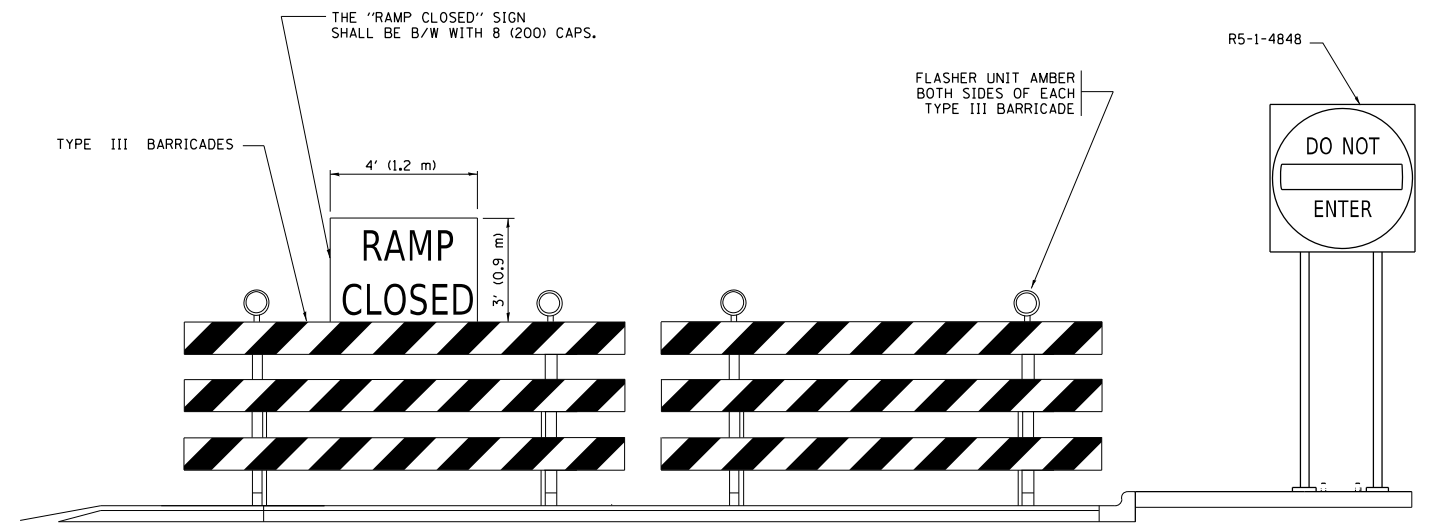
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

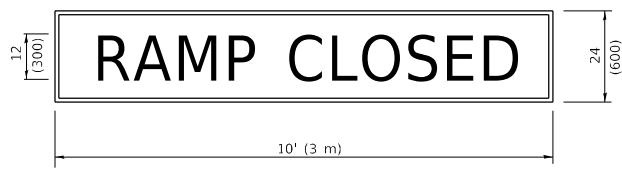
SYMBOLS

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



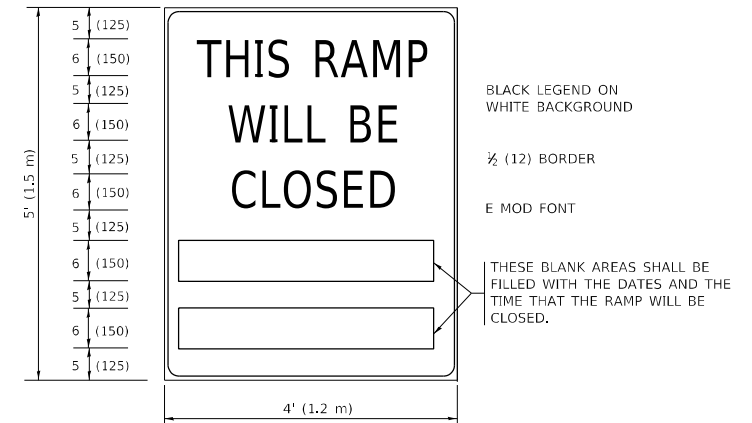
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1/2" (12) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND
1/2" (12) BORDER
E MOD FONT
THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- 1 CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- 2 VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- 3 A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- 5 THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- 6 AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- 7 THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- 8 ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- 9 ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
* COOK, DUPAGE, & LAKE

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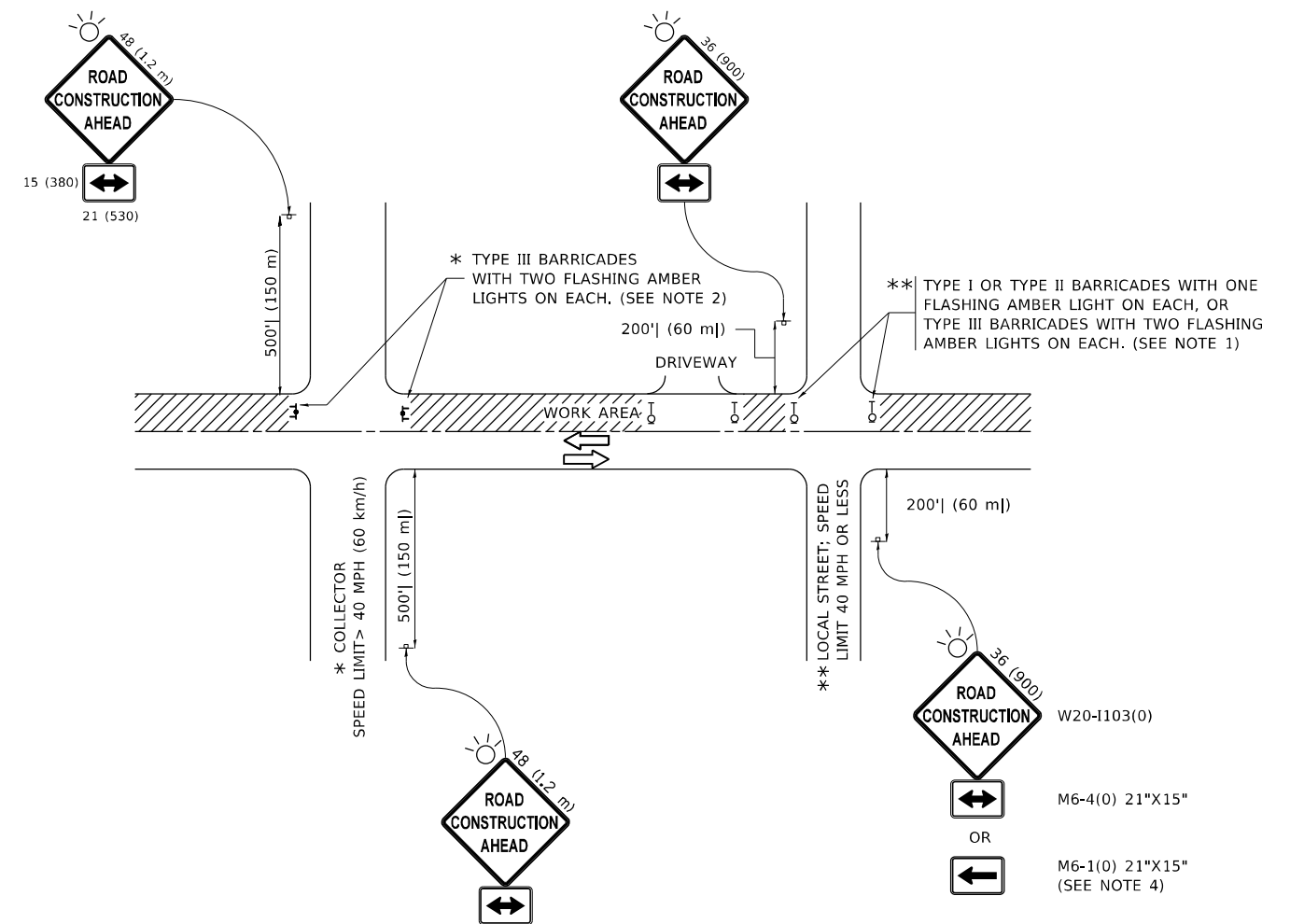
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PLOT DATE = 2/10/2022	DATE - 02-83	REVISED - M.D._01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	37
TC-08			CONTRACT NO. 62N07	
ILLINOIS		FED. AID PROJECT		



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE 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. * COOK, DUPAGE, & LAKE

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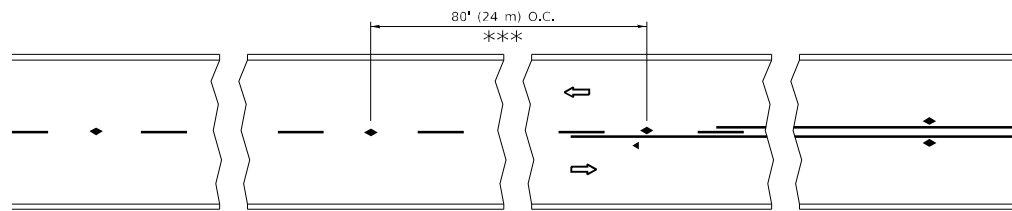
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PLOT DATE = 2/10/2022	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

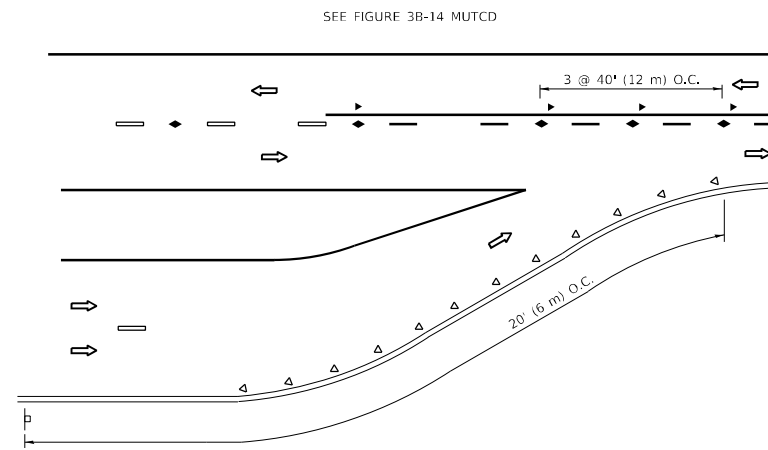
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	38
TC-10			CONTRACT NO. 62N07	
ILLINOIS FED. AID PROJECT				

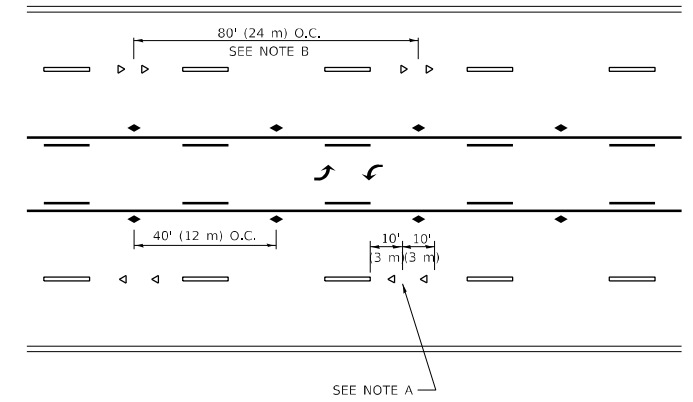


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

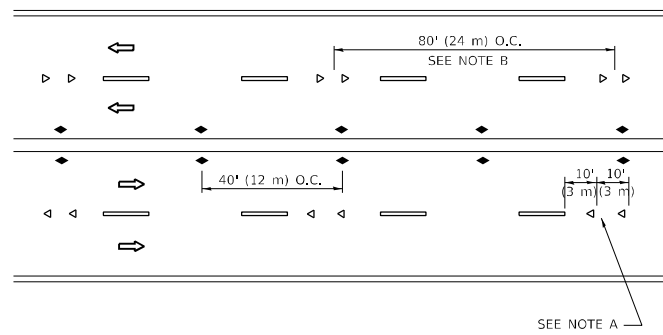
TWO-LANE/TWO-WAY



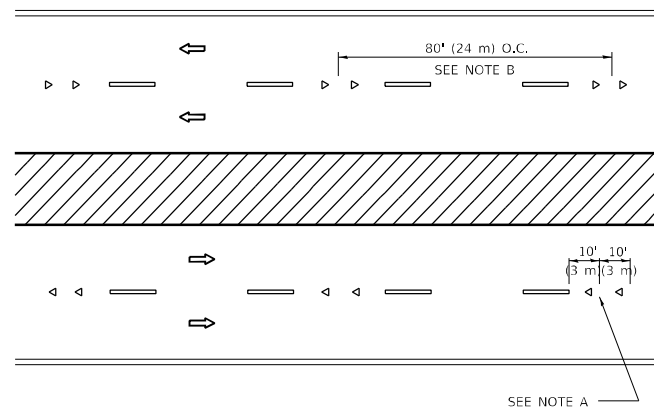
LANE REDUCTION TRANSITION



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

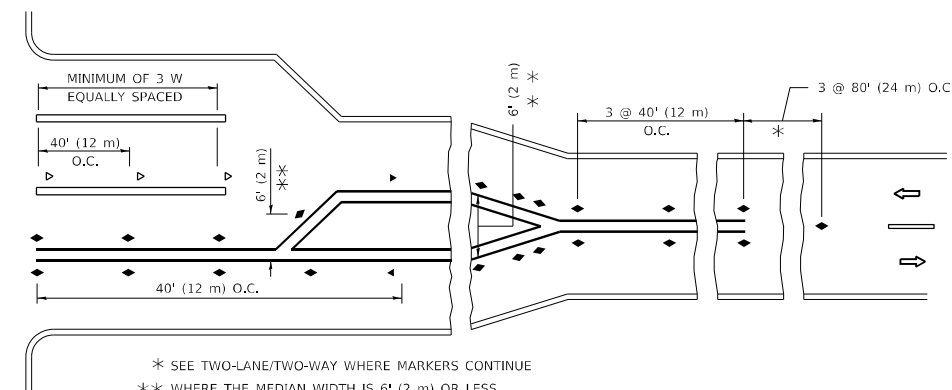
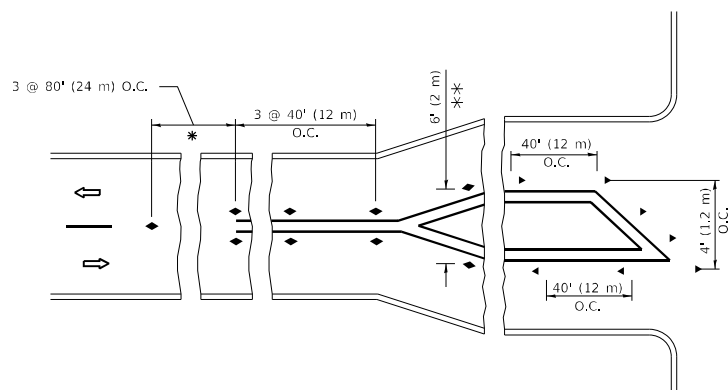
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



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.
 * COOK, DUPAGE, & LAKE

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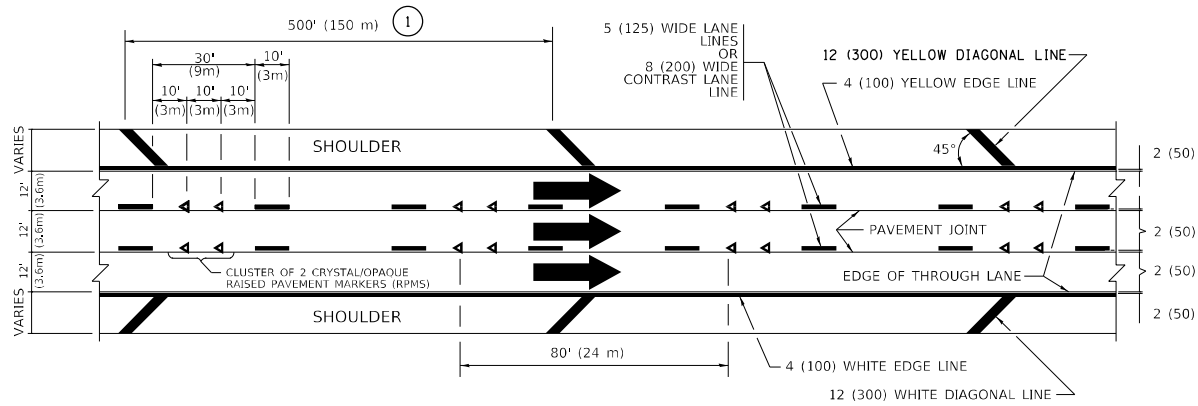
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PLOT DATE = 2/10/2022	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	39
TC-11		CONTRACT NO. 62N07		
ILLINOIS FED. AID PROJECT				

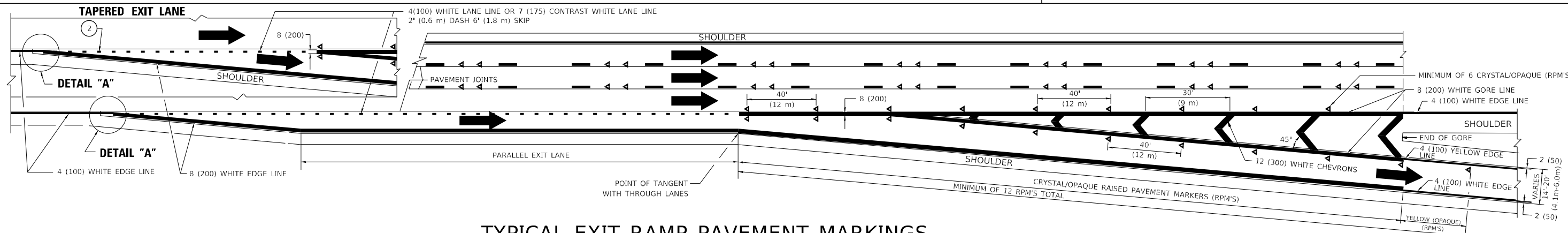
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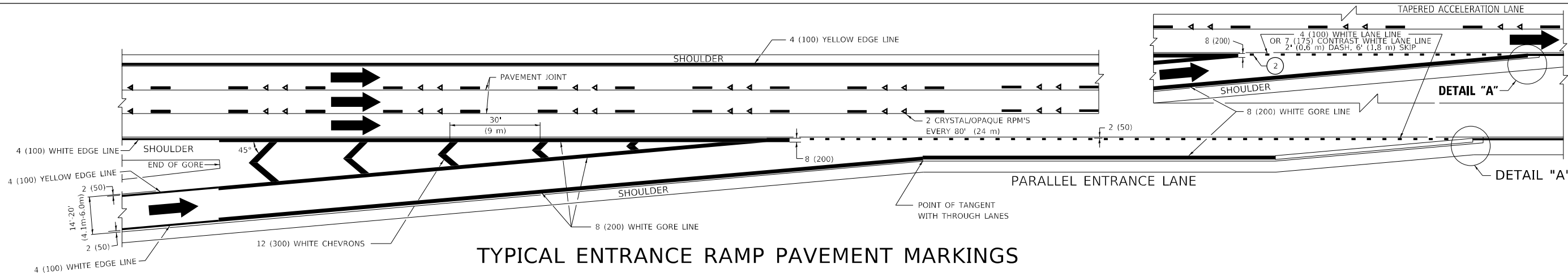
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

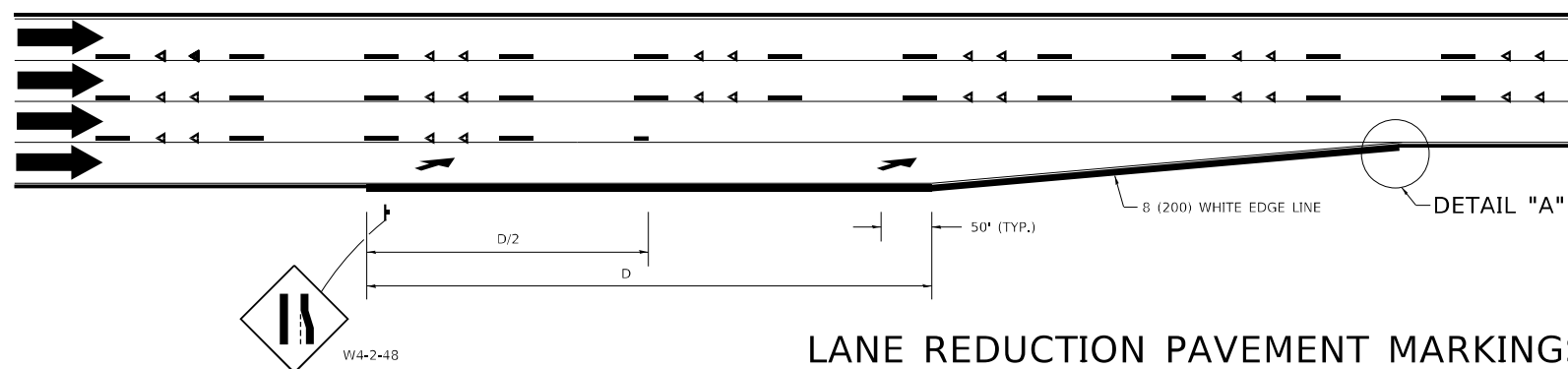
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

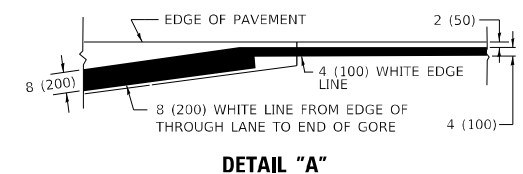


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



- NOTES:**
- 1 THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
 - 2 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

* COOK, DUPAGE, & LAKE

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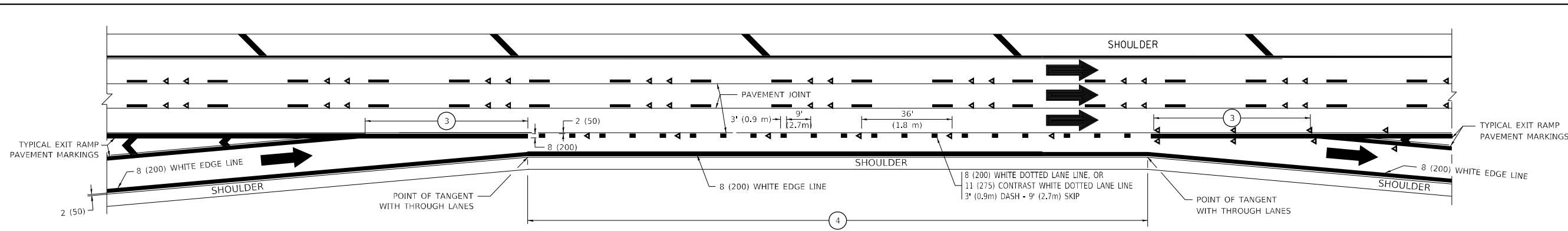
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PLOT DATE = 2/10/2022	CHECKED -	REVISED - M.D. 05-13
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

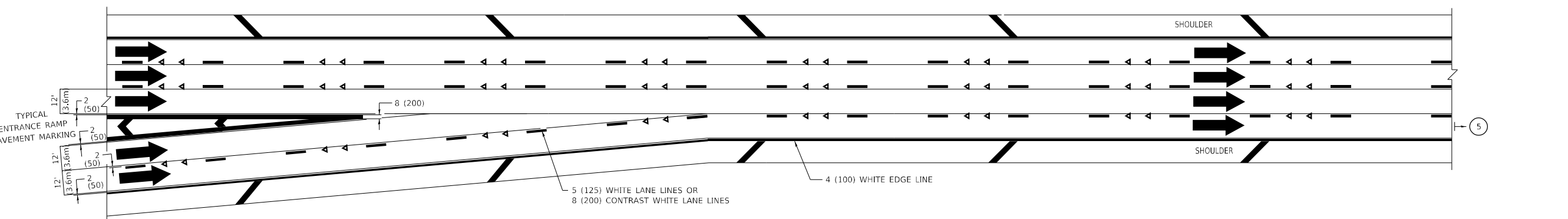
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

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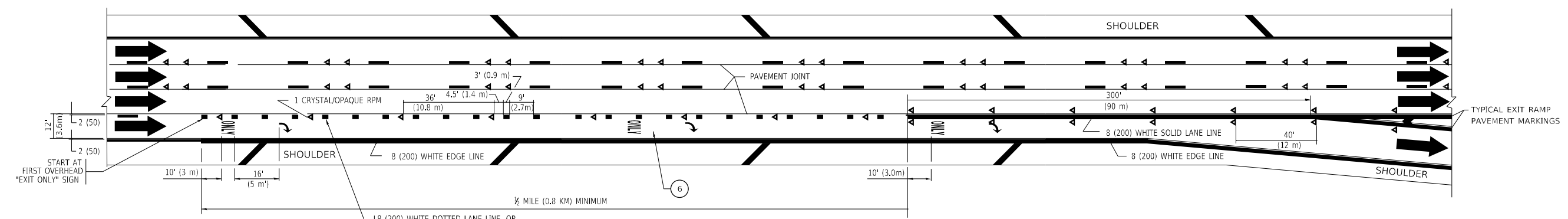
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VAR.	2020-238-T	*	54	40
TC-12			CONTRACT NO. 62N07	
ILLINOIS FED. AID PROJECT				



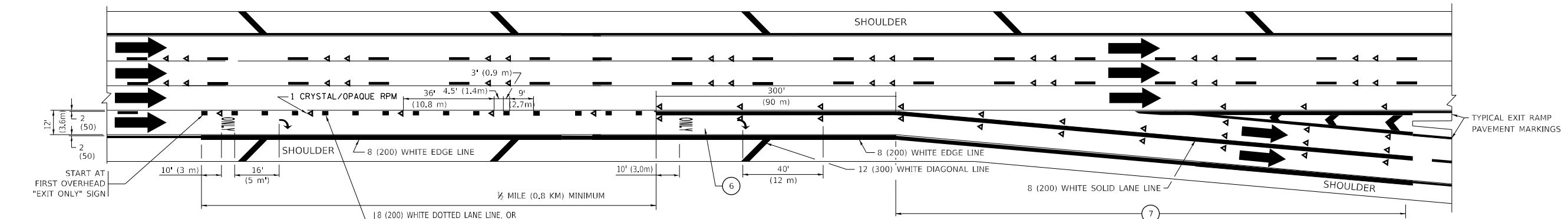
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED..
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

* COOK, DUPAGE, & LAKE

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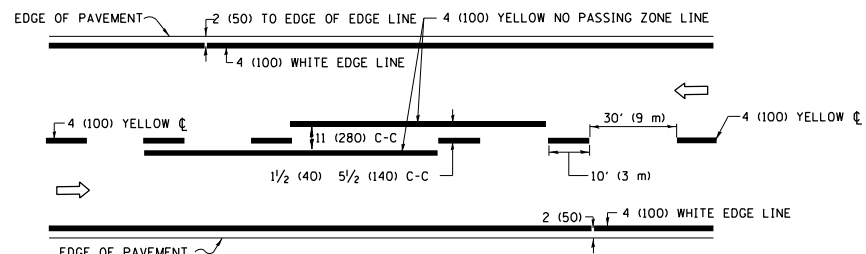
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

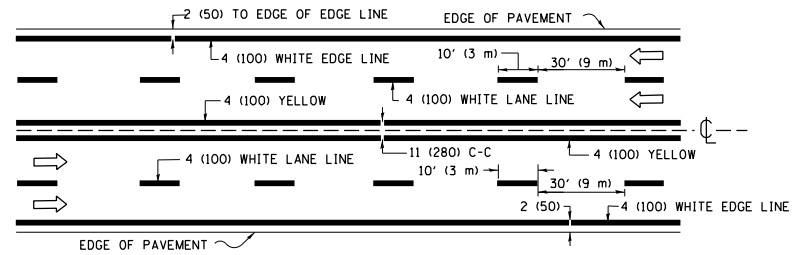
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

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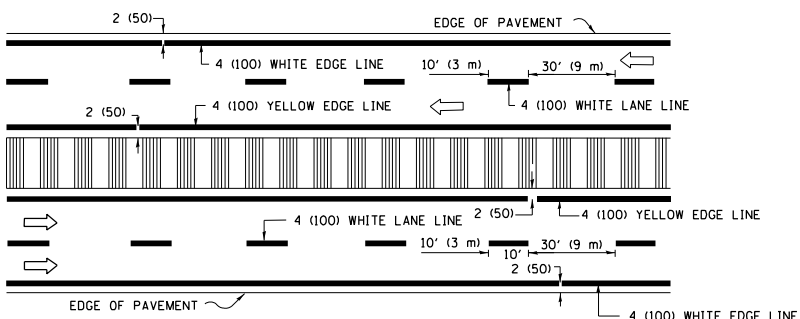
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	2020-238-T	*	54	41
TC-12			CONTRACT NO. 62N07	
ILLINOIS			FED. AID PROJECT	



2-LANE ROADWAY

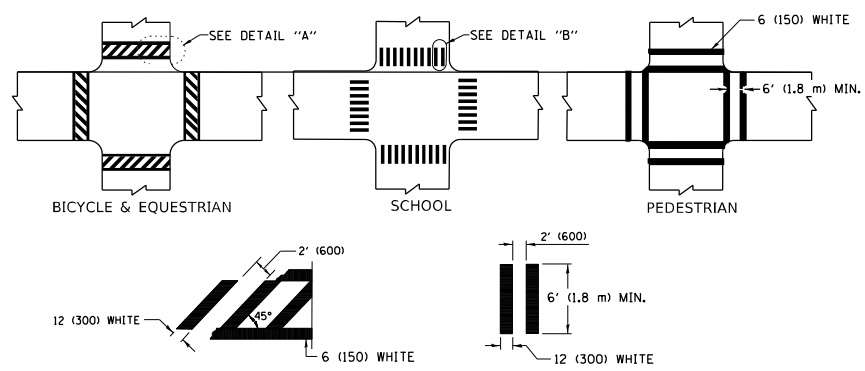


MULTI-LANE UNDIVIDED



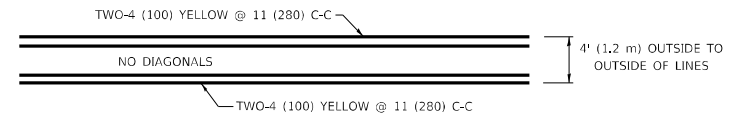
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

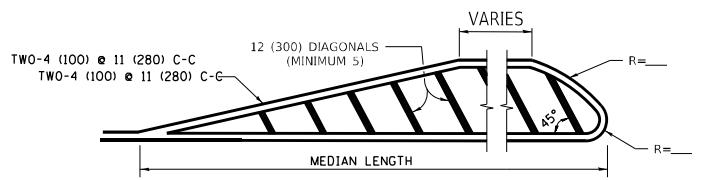


TYPICAL CROSSWALK MARKING

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



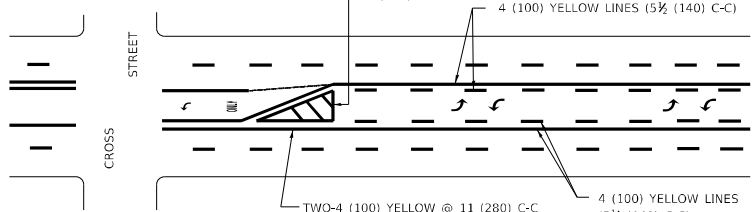
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

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

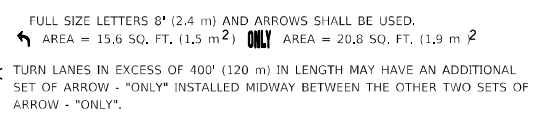
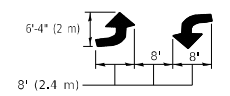
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

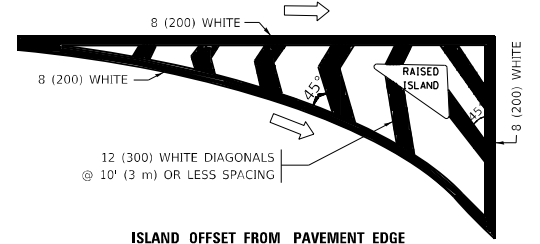


TYPICAL LEFT (OR RIGHT) TURN LANE

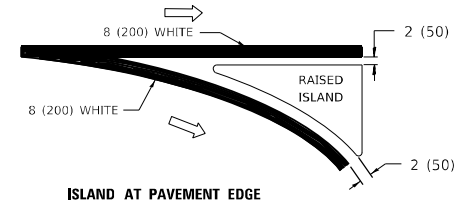
TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

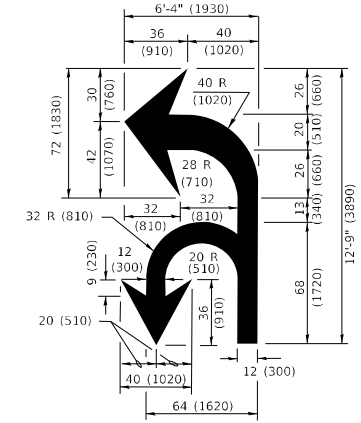
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



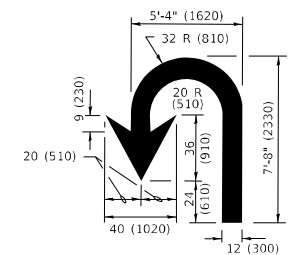
ISLAND OFFSET FROM PAVEMENT EDGE



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

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

* COOK, DUPAGE, & LAKE

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		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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	42
TC-13				CONTRACT NO. 62N07
		ILLINOIS	FED. AID PROJECT	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

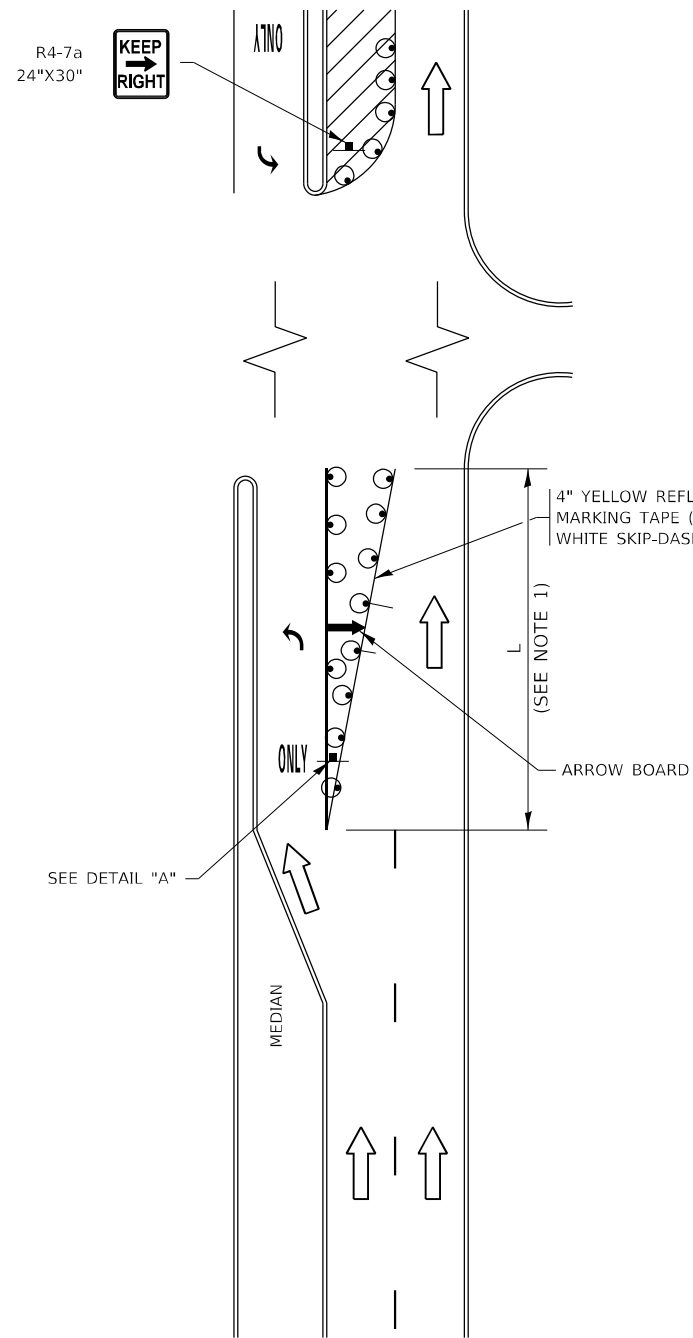


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

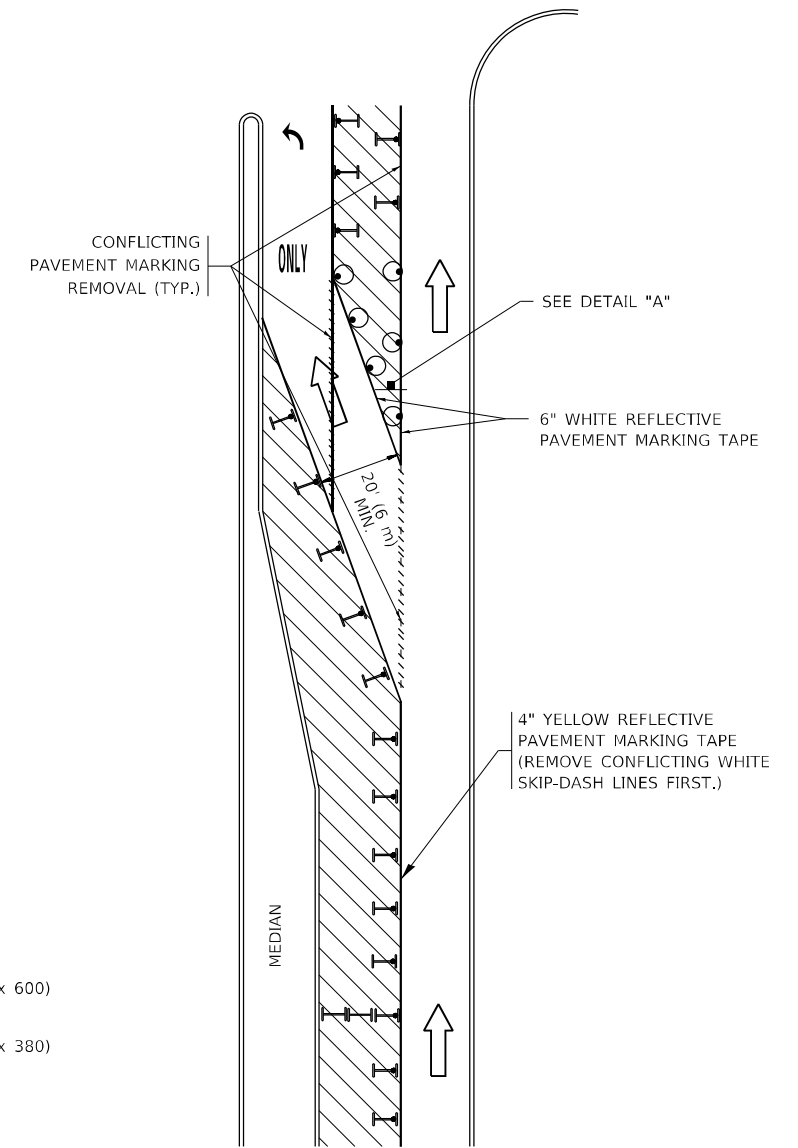


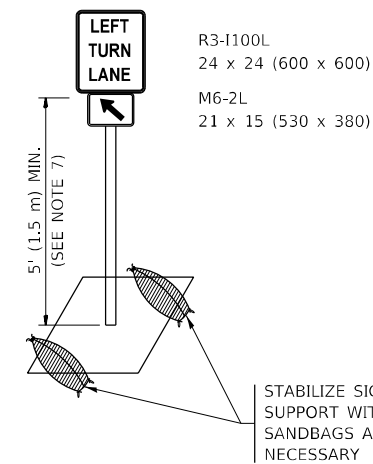
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. 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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

* COOK, DUPAGE, & LAKE

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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
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PLOT DATE = 2/10/2022	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

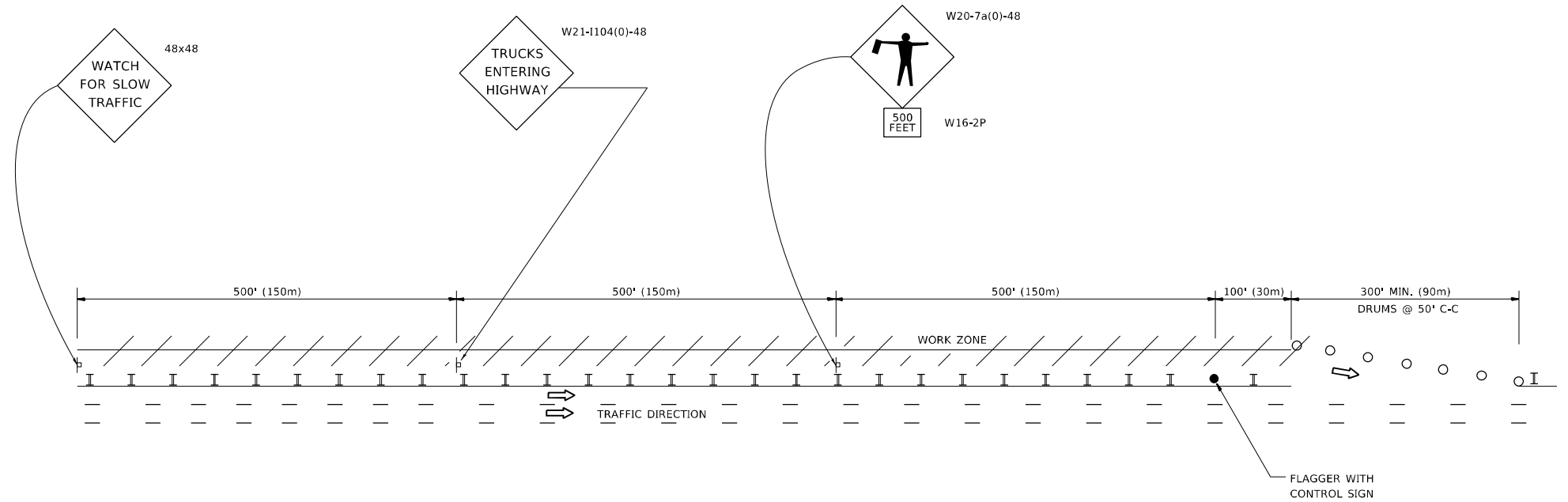
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

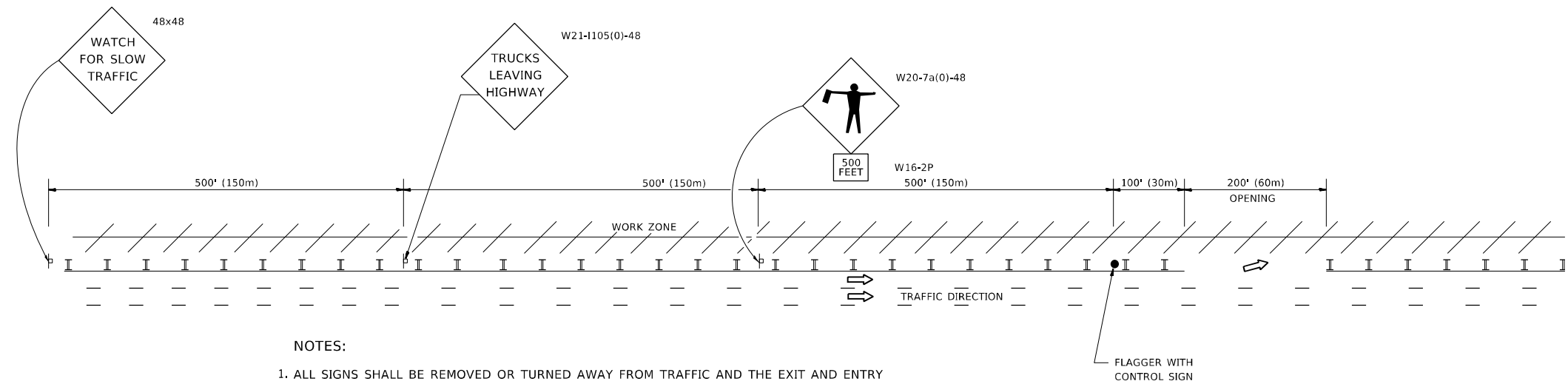
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	43
TC-14		CONTRACT NO. 62N07		
ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
* COOK, DUPAGE, & LAKE

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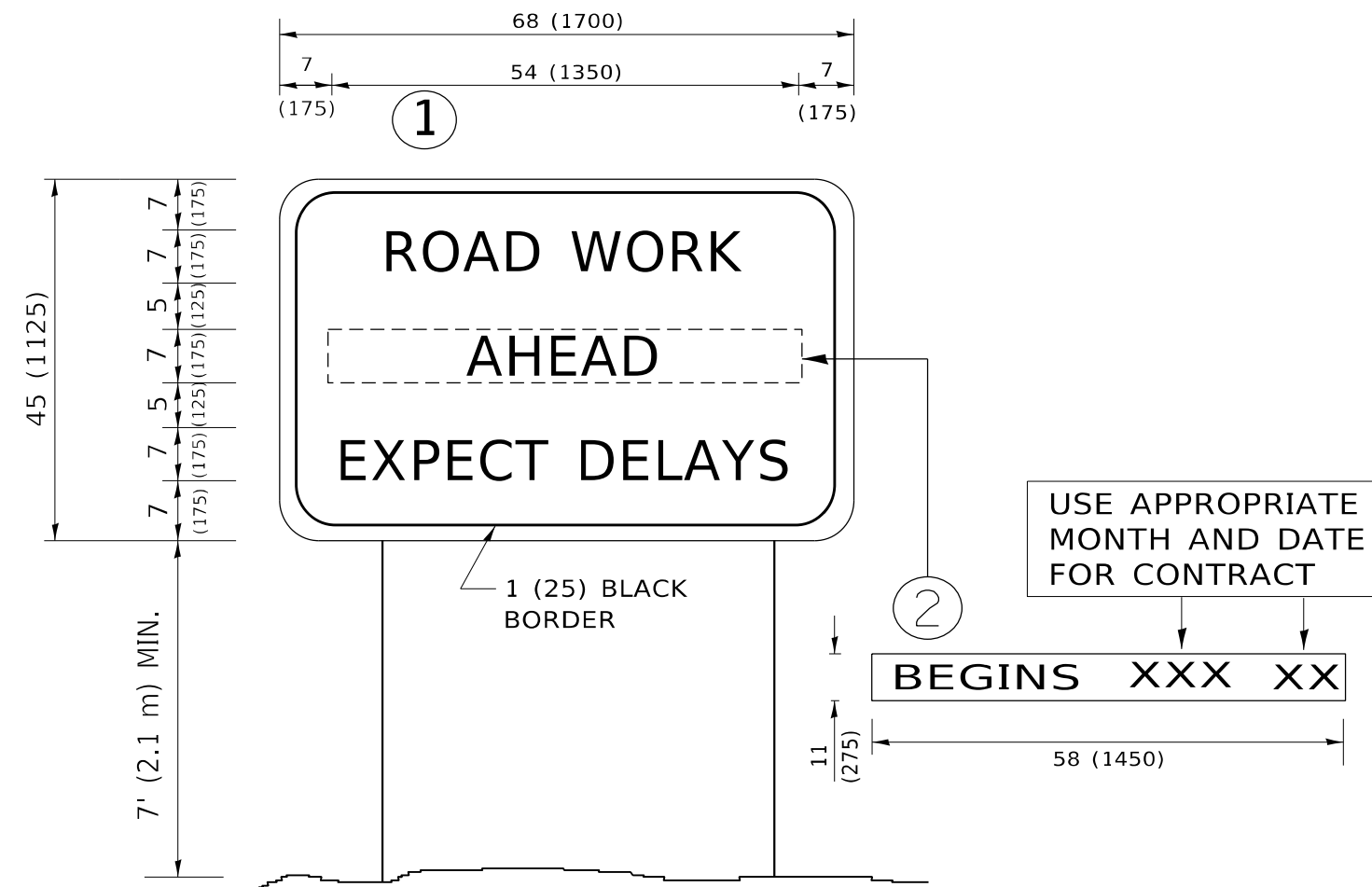
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	DRAWN -	REVISED - S.P.B. 01-07
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PLOT DATE = 2/10/2022	DATE -	REVISED - M.D.06-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FREEWAY /EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS ON FREEWAYS /EXPRESSWAYS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	45
TC-18			CONTRACT NO. 62N07	
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.

* COOK, DUPAGE, & LAKE

MODEL: Default
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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 2/10/2022	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

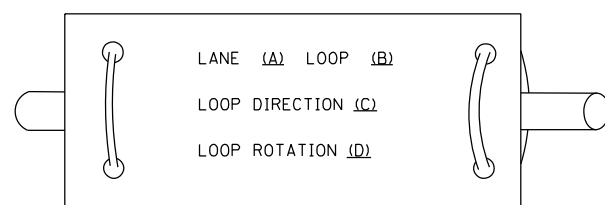
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	46
TC-22			CONTRACT NO. 62N07	
ILLINOIS FED. AID PROJECT				

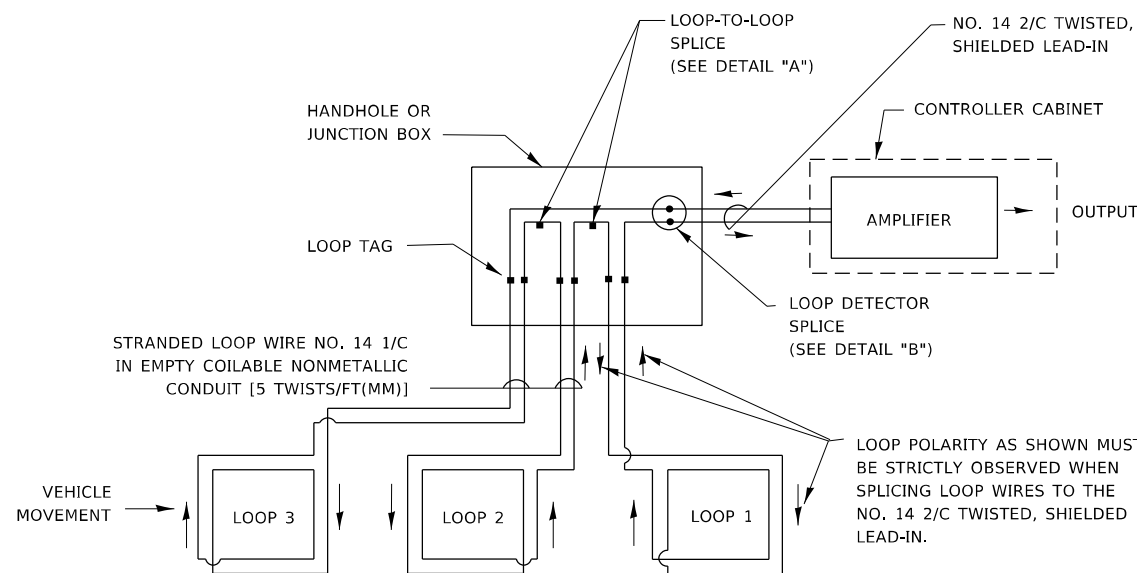
LOOP DETECTOR NOTES

1. 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.
2. 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.
3. 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.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES 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.
6. 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.
7. PREFORMED 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.

LOOP LEAD-IN CABLE TAG

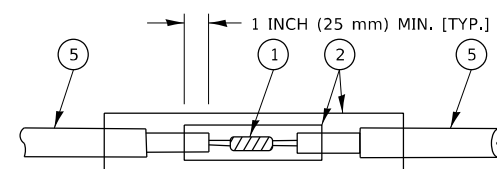


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

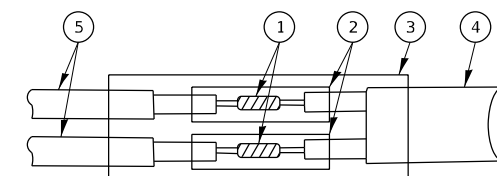


DETECTOR LOOP WIRING SCHEMATIC

- 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.

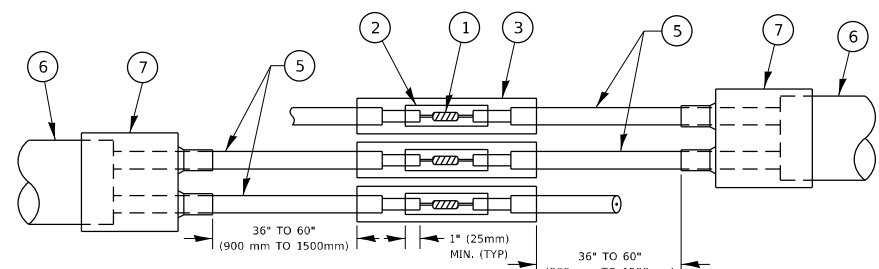


DETAIL "A"
LOOP-TO-LOOP SPLICE

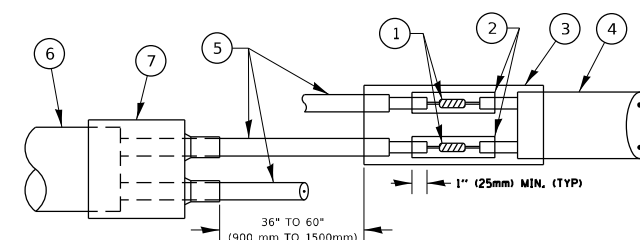


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

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. PREFORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

* COOK, DUPAGE, & LAKE

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

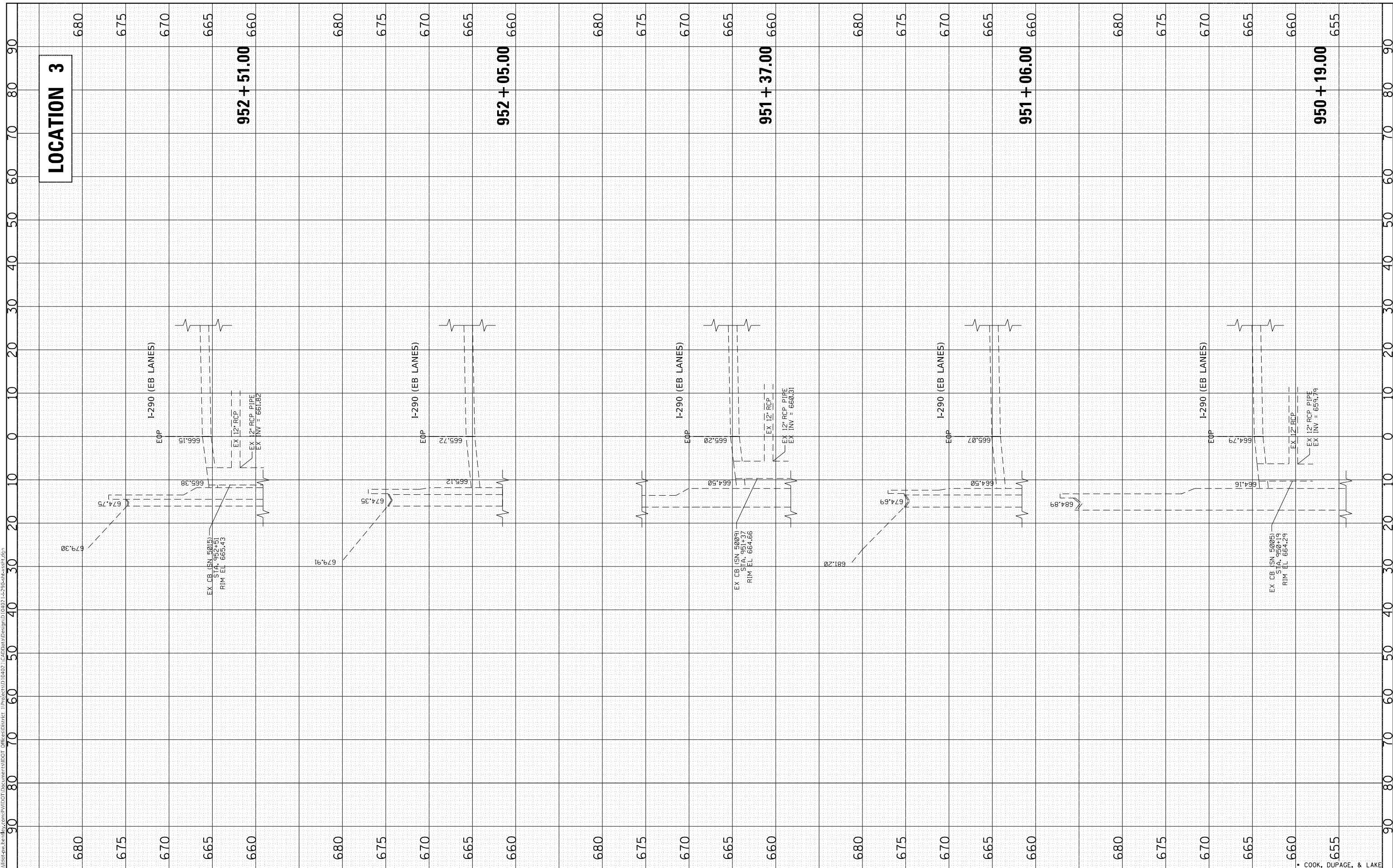
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	47
TS-05			CONTRACT NO. 62N07	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		

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PLOT DATE = 2/10/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-290 - EXISTING AND PROPOSED CROSS SECTIONS VARIOUS ROUTES - VARIOUS LOCATIONS			
SCALE:	SHEET	OF	SHEETS
	STA. 950+19.00	TO	STA. 952+51.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	49
CONTRACT NO. 62N07				
ILLINOIS FED. AID PROJECT				

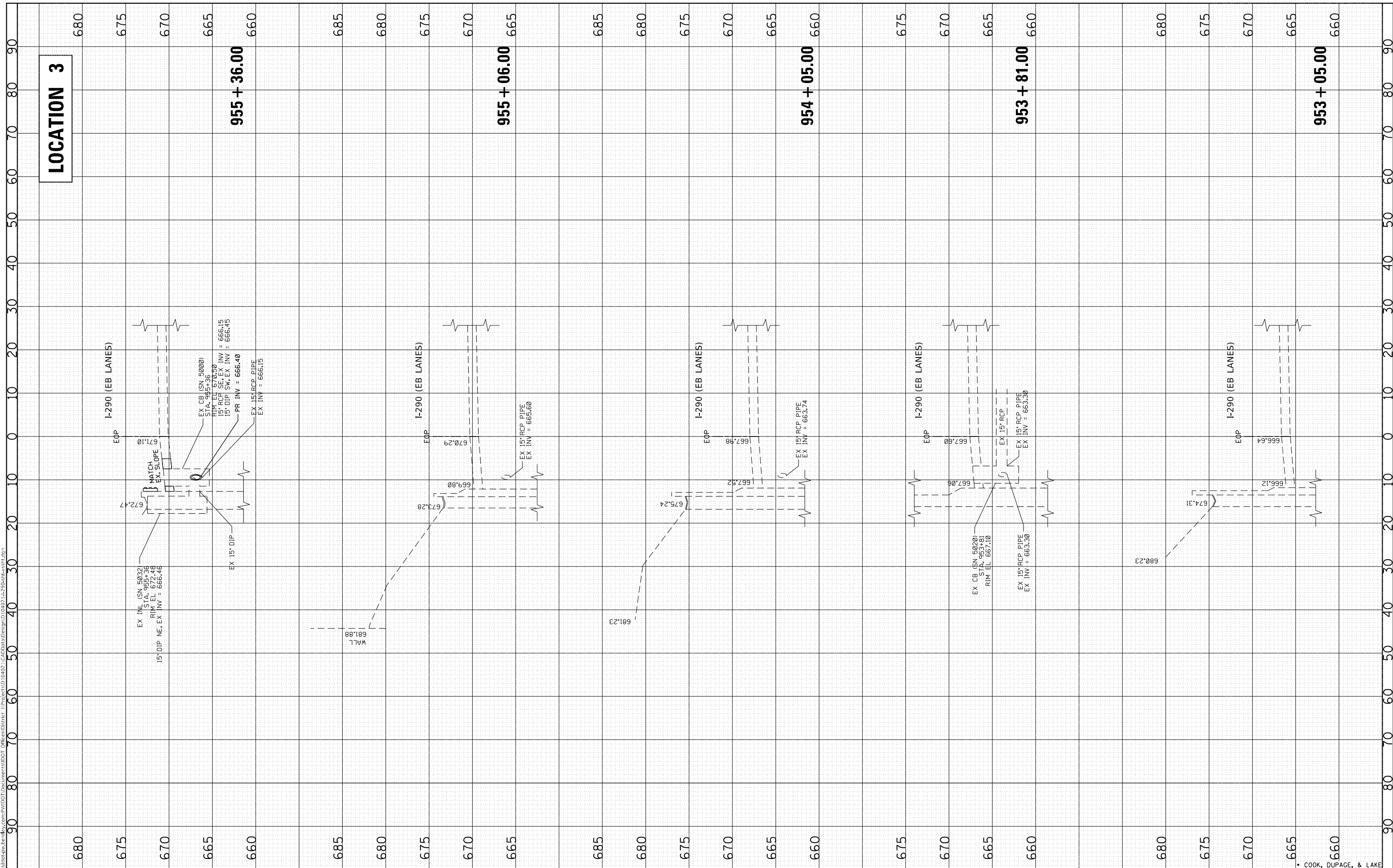
* COOK, DUPAGE, & LAKE

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
AREAS CHECKED	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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AREAS CHECKED	AREAS CHECKED		

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LOCATION 3



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PLOT DATE = 2/10/2022	CHECKED -	REVISOR -
	DATE -	REVISOR -

DESIGNED -	REVISOR -
DRAWN -	REVISOR -
CHECKED -	REVISOR -
DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

I-290 - EXISTING AND PROPOSED CROSS SECTIONS VARIOUS ROUTES - VARIOUS LOCATIONS	
SCALE:	SHEET OF SHEETS STA. 953+05.00 TO STA. 955+36.00

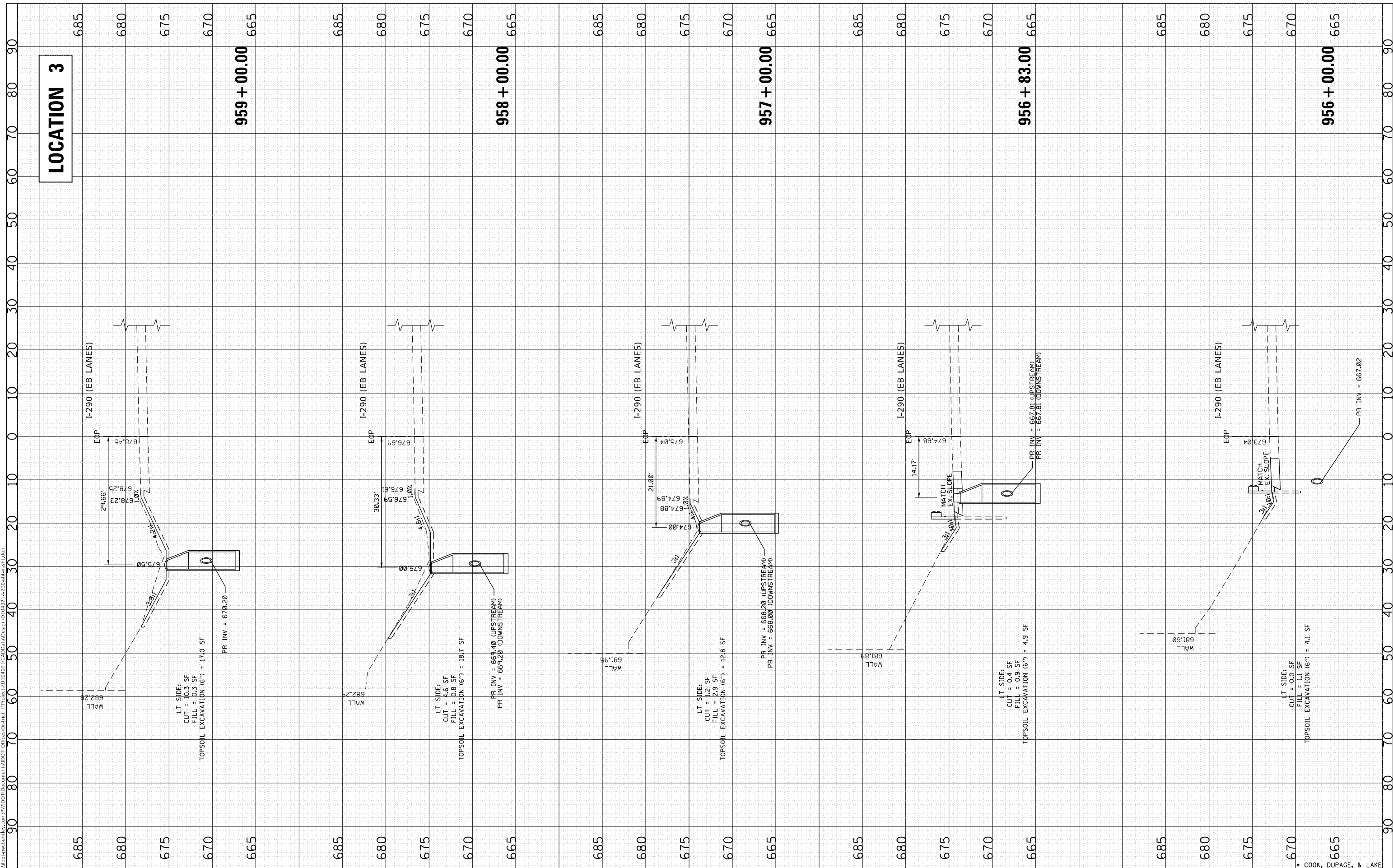
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VAR.	2020-238-T	*	54	50
		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 62N07		

* COOK, DUPAGE, & LAKE

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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	AREAS CHECKED		

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LOCATION 3

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DATE	= 2/10/2022

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-290 - EXISTING AND PROPOSED CROSS SECTIONS
VARIOUS ROUTES - VARIOUS LOCATIONS**

SCALE: SHEET OF SHEETS STA. 956+00.00 TO STA. 959+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	51
CONTRACT NO. 62N07			ILLINOIS FED. AID PROJECT	

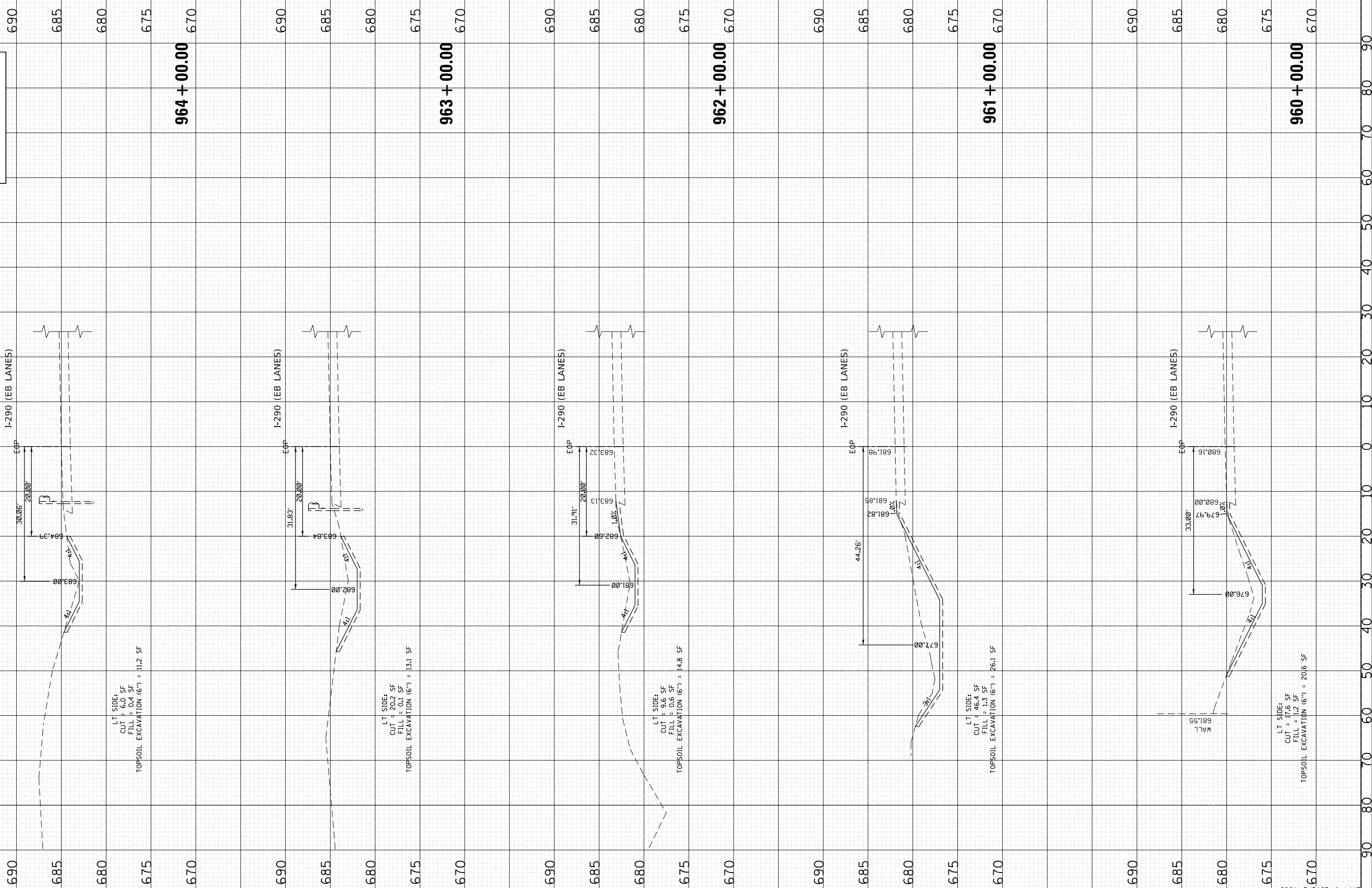
* COOK, DUPAGE, & LAKE

FINAL SURVEY NO.	SURVEYED	BY	DATE
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	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

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LOCATION 3



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DRAWN -
PLOT SCALE = 20,0000 * / in.
PLT DATE = 2/10/2022

DESIGNED -
DRAWN -
CHECKED -
DATE -

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

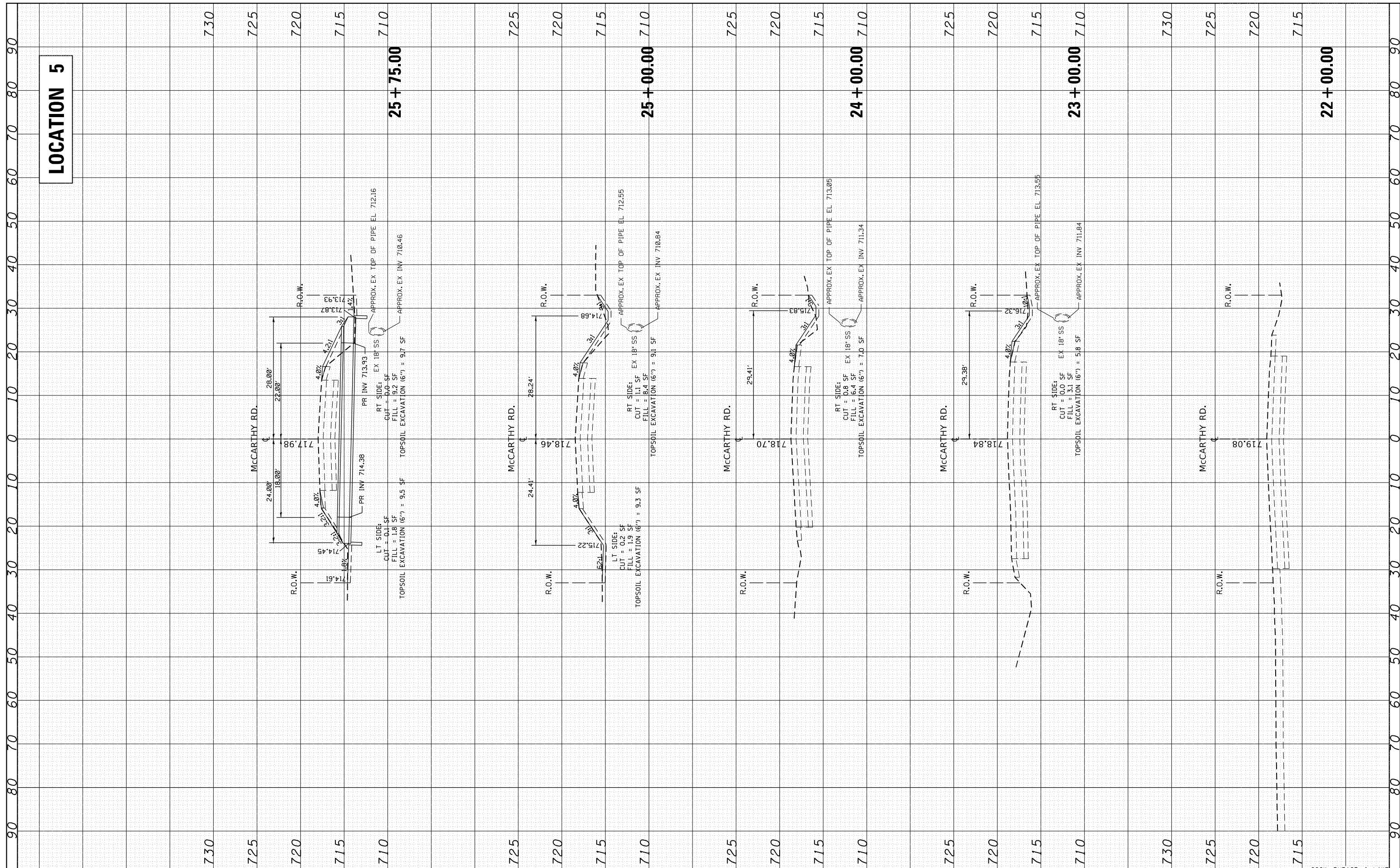
I-290 - EXISTING AND PROPOSED CROSS SECTIONS VARIOUS ROUTES - VARIOUS LOCATIONS			
SCALE:	SHEET	OF	SHEETS
			STA. 960+00.00 TO STA. 964+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T	*	54	52
ILLINOIS FED. AID PROJECT				CONTRACT NO. 62N07

* COOK, DUPAGE, & LAKE

FINIAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		



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 DATE -

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 REVISIONS -
 CHECKED -
 DATE -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**McCARTHY ROAD /123rd STREET - EXIST. AND PROP. CROSS SECTIONS
 VARIOUS ROUTES - VARIOUS LOCATIONS**

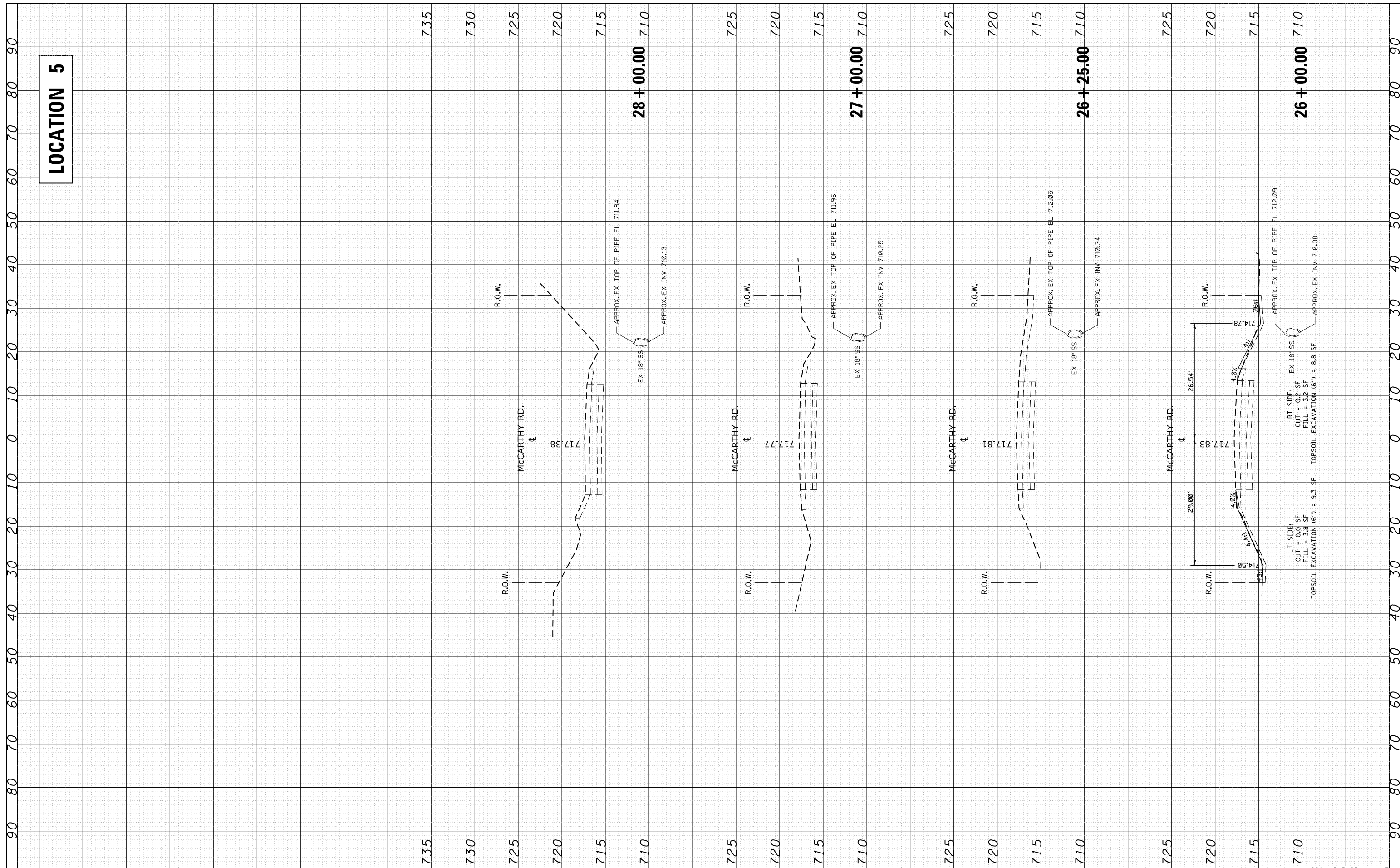
F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T		54	53
CONTRACT NO. 62N07			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. 22+00.00 TO STA. 25+75.00

• COOK, DUPAGE, & LAKE

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED TEMPLATE AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED TEMPLATE AREAS CHECKED		



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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MccARTHY ROAD /123rd STREET - EXIST. AND PROP. CROSS SECTIONS
VARIOUS ROUTES - VARIOUS LOCATIONS**

SCALE: SHEET OF SHEETS STA. 26+00.00 TO STA. 28+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2020-238-T		54	54
			CONTRACT NO. 62N07	
ILLINOIS FED. AID PROJECT				