

03-10-2023 LETTING ITEM 084

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID PROJECT

(FAP RTE. 0350) US ROUTE 41 /SKOKIE BOULEVARD
AND (FAP RTE 1292) LAKE AVENUE

SECTION 19-00203-02-CH
PROJECT NO. SJ3Q(189)
INTERSECTION IMPROVEMENT PROJECT
COOK COUNTY
C-91-211-22

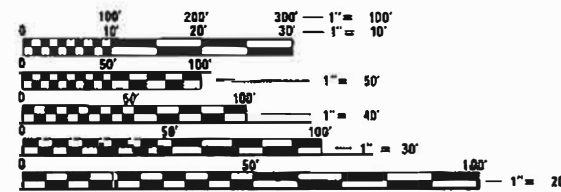
FOR INDEX OF SHEETS AND
LIST OF STATE STANDARDS, SEE SHEET NO. 2

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	1
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				



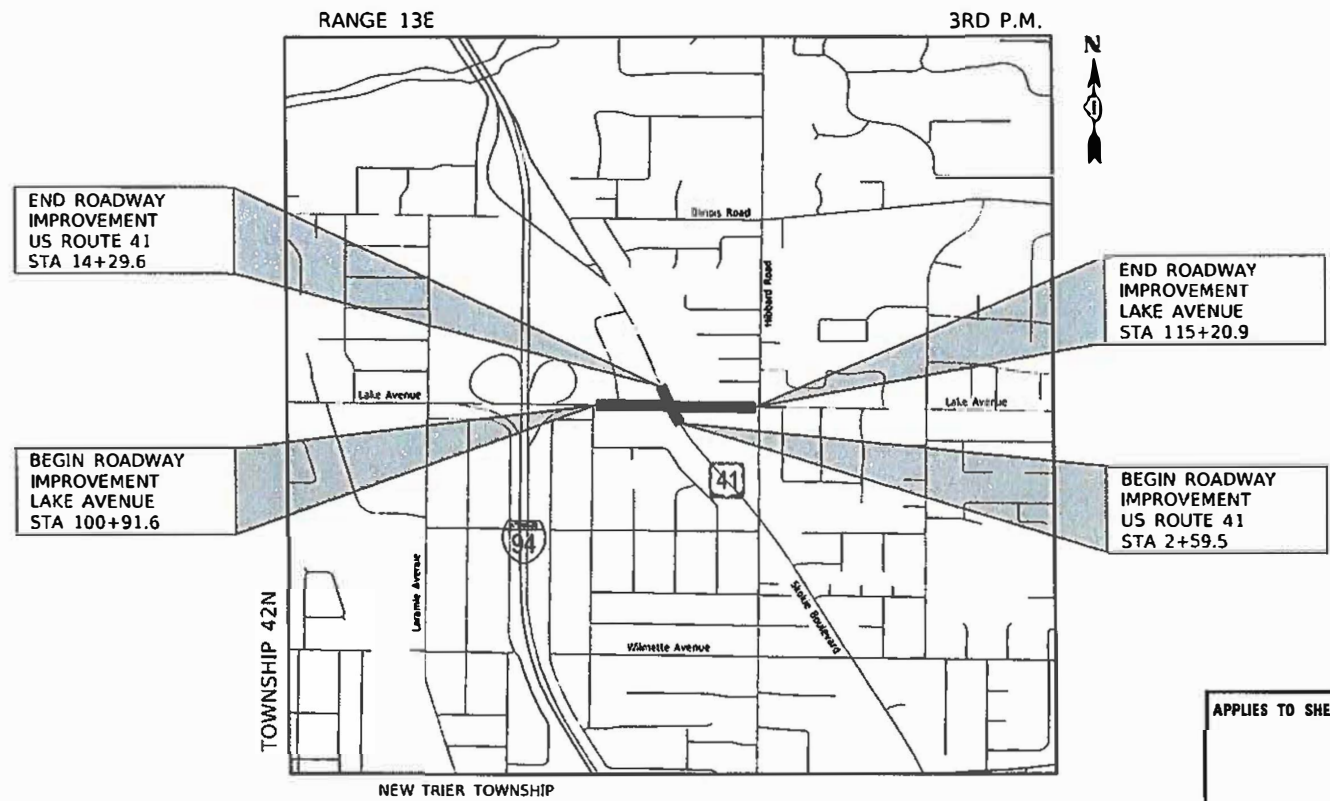
US ROUTE 41 (SKOKIE BOULEVARD)
DESIGN DESIGNATION = PRINCIPAL ARTERIAL
POSTED SPEED = 40 MPH
2021 ADT = 13,300-17,700 VPD

LAKE AVENUE
DESIGN DESIGNATION = MINOR ARTERIAL
POSTED SPEED = 35 MPH (WEST OF US ROUTE 41)
POSTED SPEED = 25 MPH (EAST OF US ROUTE 41)
2018 ADT = 17,200-21,700 VPD



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1.800.892.0123 OR 811



LOCATION MAP
NOT TO SCALE

GROSS AND NET LENGTH:

US ROUTE 41 (STA 2+59.5 TO STA 14+29.6) - 1,170.1 FT (0.22 MI)
LAKE AVENUE (STA 100+91.6 TO STA 115+20.9) - 1,429.3 FT (0.27 MI)
GROSS AND NET LENGTH - 2,599.4 FT (0.49 MI)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Approved: *Dan Manis* 12/28/22
Dan Manis, Village Engineer
Village of Villa Grove

Passed: Jan 5, 2023
C. J. [Signature]
District One Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review: JANUARY 6, 2023
Jose Pineda / *CRS*
Regional Engineer

APPLIES TO SHEETS 1-46; 66-97

APPLIES TO SHEETS 47-65

Michael [Signature]
REGISTERED P.E. STATE OF ILLINOIS EXPIRES 11/30/2023

Joseph [Signature]
REGISTERED P.E. STATE OF ILLINOIS EXPIRES 11/30/2023



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

STORM SEWERS, STRUCTURES, AND UTILITIES

COMMITMENTS

14. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
15. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND APPLICABLE ARTICLES INCLUDED IN THE "STANDARD SPECIFICATIONS" INCLUDING, BUT NOT LIMITED TO, ARTICLES 105.07 AND 107.39. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS AND WATER MAINS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT OR RELOCATION OF THEIR FACILITIES.
17. MATERIALS CONSIDERED SUITABLE BY THE ENGINEER FOR SALVAGE SHALL BE STORED WITHIN THE RIGHT-OF-WAY FOR LATER REMOVAL BY THE LOCAL AGENCY.
18. THE CONTRACTOR SHALL CONFIRM ALL EXISTING STORM SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATION OF STRUCTURES DUE TO THE FAILURE OF THE CONTRACTOR TO PERFORM THIS TASK MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD.
19. HMA OR CONCRETE PAVEMENT CROSSINGS REMOVED DUE TO STORM SEWER, WATER MAIN, SANITARY SEWER, OR CULVERT WORK SHALL NOT BE LEFT IN GRAVEL OVERNIGHT. THIS INCLUDES THE MAIN ROADS, SIDE STREETS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES AND PARKING AREAS. TEMPORARY HMA PAVEMENT MAY BE USED IN LIEU OF IMMEDIATE PAVEMENT REPLACEMENT.
20. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE. FLAT TOPS AND CONES ARE TO BE TURNED SO THAT THE FRAME IS CLOSEST TO THE CENTER LINE OF THE ROAD, UNLESS OTHERWISE NOTED ON THE STRUCTURE IN THE PLANS.
21. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACK FILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 WILL NOT BE ALLOWED.
22. THE CONTRACTOR SHALL DETERMINE WHEN FLAT TOP SLABS ARE REQUIRED ON DRAINAGE STRUCTURES.
23. ALL STRUCTURES DESIGNATED TO BE ADJUSTED, SPECIAL ADJUSTED OR RECONSTRUCTED SHALL HAVE NEW FRAMES, LIDS AND GRATES PROVIDED AT THE DIRECTION OF THE ENGINEER.
24. TRENCH BACKFILL MEETING THE REQUIREMENTS OF ARTICLE 208.02 OF THE IDOT STANDARD SPECIFICATIONS IS REQUIRED FOR ANY OPEN TRENCHES WITHIN COOK COUNTY RIGHT-OF-WAY. THIS WORK SHALL BE PERFORMED AND PAID FOR ACCORDING TO THE SPECIAL PROVISION "TRENCH BACKFILL, SPECIAL."

NO COMMITMENTS HAVE BEEN MADE AS PART OF THE PROJECT.

SIGNING, STRIPING & LANDSCAPING

25. ALL UNUSED SIGNS SHALL BE RETURNED TO THE OWNER AT THE DIRECTION OF THE ENGINEER.
26. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SEEDED/SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS.
27. TEMPORARY FENCE SHALL BE PLACED OUTSIDE OF THE DRIPLINE OF ALL TREES THAT ARE TO BE PROTECTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS FOR MORE DETAIL.
28. 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. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SAWCUT AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF DAMAGE TO THE REMAINING TREE STRUCTURE.
29. THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR, SHALL BE RESTORED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
30. THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
31. ALL NITROGEN, PHOSPHOROUS AND POTASSIUM FERTILIZER NUTRIENTS HAVE BEEN INTENTIONALLY OMITTED FROM THE CONTRACT FOR THE SODDING APPLICATION.

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	CADD FILE NAME		

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

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Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JMG	REVISED -	12/23/2022
DRAWN -	JRR	REVISED -	1/19/2023
CHECKED -	KRK	REVISED -	
DATE -	11/28/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
GENERAL NOTES

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	3
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

SHEET 2 OF 2 SHEETS STA TO STA

PLAN	DESIGNED	DATE
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PROFILE	SCAFFOLD	DATE
	COMPLETED	
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	BY, NOTED	
	STRUCTURAL ADJUSTING CHECKED	

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SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						70% FEDERAL 15% STATE 15% LOCAL			100% LOCAL
						0005 ROADWAY	0021 SAFETY SIGNALS	0042 TRAINEES	NON- PARTICIPATING
		20101000	TEMPORARY FENCE	FOOT	480	480			
		20101100	TREE TRUNK PROTECTION	EACH	12	12			
X		20101200	TREE ROOT PRUNING	EACH	12	12			
X		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	8	8			
X		20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	4	4			
		20200100	EARTH EXCAVATION	CU YD	333	333			
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	142	142			
		20400800	FURNISHED EXCAVATION	CU YD	127	127			
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	645	645			
X		25200110	SODDING, SALT TOLERANT	SQ YD	645	645			
X	X	25200200	SUPPLEMENTAL WATERING	UNIT	35	35			
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	15	15			
		28000400	PERIMETER EROSION BARRIER	FOOT	176	176			
		28000510	INLET FILTERS	EACH	33	33			
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	645	645			
X		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	639	639			
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	653	653			
		35300720	PORTLAND CEMENT CONCRETE BASE COURSE 13"	SQ YD	37	37			



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
SUMMARY OF QUANTITIES

SHEET 1 OF 11 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	4
CONTRACT NO 61116			ILLINOIS FED AID PROJECT	

PLAN	SURF/FES	DATE
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NOTE BOOK	CHECKED	
	REVISIONS	
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PROFILE	SURF/FES	DATE
	PLOTTED	BY
NOTE BOOK	CHECKED	
	REVISIONS	
	NO.	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						70% FEDERAL 15% STATE 15% LOCAL			100% LOCAL
						0005 ROADWAY	0021 SAFETY SIGNALS	0042 TRAINEES	NON- PARTICIPATING
		44200966	CLASS B PATCHES, TYPE I, 10 INCH	SQ YD	77	77			
		44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	115	115			
		44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	115	115			
		44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	77	77			
		44201681	CLASS D PATCHES, TYPE I, 3 INCH	SQ YD	203	203			
		44201682	CLASS D PATCHES, TYPE II, 3 INCH	SQ YD	305	305			
		44201683	CLASS D PATCHES, TYPE III, 3 INCH	SQ YD	305	305			
		44201684	CLASS D PATCHES, TYPE IV, 3 INCH	SQ YD	203	203			
		44201823	CLASS D PATCHES, TYPE I, 15 INCH	SQ YD	101	101			
		44201827	CLASS D PATCHES, TYPE II, 15 INCH	SQ YD	153	153			
		44201831	CLASS D PATCHES, TYPE III, 15 INCH	SQ YD	153	153			
		44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SQ YD	101	101			
		44213200	SAW CUTS	FOOT	200	200			
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	61	61			
		55100300	STORM SEWER REMOVAL 8"	FOOT	18	18			
		55100500	STORM SEWER REMOVAL 12"	FOOT	19	19			
		55101200	STORM SEWER REMOVAL 24"	FOOT	6	6			
X	X	56104900	WATER VALVES 6"	EACH	1				1

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
SUMMARY OF QUANTITIES

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	6
CONTRACT NO 61116				

SHEET 3 OF 11 SHEETS

ILLINOIS FED AID PROJECT

PLAN	DESIGNED	BY	DATE
	PROFITED		
NOTE BOOK NO.	ALUMINUM CHECKED		
	CAD FILE MARK		

PROFILE	DESIGNED	BY	DATE
	PROFITED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						70% FEDERAL 15% STATE 15% LOCAL			100% LOCAL
						0005 ROADWAY	0021 SAFETY SIGNALS	0042 TRAINEES	NON- PARTICIPATING
X	X	56105100	WATER VALVES 10"	EACH	1				1
X	X	56105200	WATER VALVES 12"	EACH	2				2
X	X	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	1			
X	X	56400820	FIRE HYDRANT WITH AUXILLARY VALVE AND VALVE BOX	EACH	1	1			
		60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
		60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	3			
		60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	5	5			
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3			
		60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
		60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1			
		60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	1			
		60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	8	8			
X		60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1				1
		60404800	FRAMES AND GRATES, TYPE 11	EACH	1	1			
		60404950	FRAMES AND GRATES, TYPE 24	EACH	1	1			
		60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	26	26			
		60500040	REMOVING MANHOLES	EACH	2	2			
		60500050	REMOVING CATCH BASINS	EACH	6	6			

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CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
SUMMARY OF QUANTITIES**

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	7
CONTRACT NO 61116			ILLINOIS FED AID PROJECT	

PLAN
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 CHECKED
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 DATE

PROFILE
 STRIPPED
 PLOTTED
 GRADES CHECKED
 STRUCTURE NOTATIONS CHECKED
 DATE

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						70% FEDERAL 15% STATE 15% LOCAL			100% LOCAL
						0005 ROADWAY	0021 SAFETY SIGNALS	0042 TRAINEES	NON- PARTICIPATING
		60500060	REMOVING INLETS	EACH	7	7			
		60500405	FILLING VALVE VAULTS	EACH	1	1			
		60600605	CONCRETE CURB, TYPE B	FOOT	164	164			
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	86	86			
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,480	1,480			
		60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	62	62			
X	X	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	175	175			
X	X	66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6			
X	X	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1			
X	X	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1			
X	X	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	20			
		67100100	MOBILIZATION	L SUM	1	1			
		70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1			
		70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1			
		70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1			
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1			
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	480	480			

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DEPARTMENT OF TRANSPORTATION

US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
SUMMARY OF QUANTITIES

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	8
CONTRACT NO 61116			ILLINOIS FED AID PROJECT	

PLAN	SUBMITTED	DATE
	APPROVED	DATE
NOTE BOOK	NO. _____	DATE _____
	NO. _____	DATE _____

PROFILE	SUBMITTED	DATE
	APPROVED	DATE
NOTE BOOK	NO. _____	DATE _____
	NO. _____	DATE _____

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						70% FEDERAL 15% STATE 15% LOCAL			100% LOCAL
						0005 ROADWAY	0021 SAFETY SIGNALS	0042 TRAINEES	NON- PARTICIPATING
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,981	2,981			
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	984	984			
X		72000100	SIGN PANEL - TYPE 1	SQ FT	14		14		
X		72000200	SIGN PANEL - TYPE 2	SQ FT	23		23		
		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2			
		72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1			
		72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	27	27			
X		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2			
X		72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1			
X		72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	27	27			
X		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	182	182			
X		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,436	1,436			
X		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	608	608			
X		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	330	330			
X		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	103	103			
X		78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	218	218			
X		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	4,404	4,404			
X		78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1,526	1,526			

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Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
SUMMARY OF QUANTITIES

SHEET 6 OF 11 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	9
CONTRACT NO 61116			ILLINOIS FED AID PROJECT	

PLAN	SUBMITTED	DATE
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SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						70% FEDERAL 15% STATE 15% LOCAL			100% LOCAL
						0005 ROADWAY	0021 SAFETY SIGNALS	0042 TRAINEES	NON- PARTICIPATING
X		78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	785	785			
X		78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	189	189			
X		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	30	30			
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	30	30			
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	773	773			
X		81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,461		1,461		
X		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	221		221		
X		81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	549		549		
X	X	81400100	HANDHOLE	EACH	4		4		
X		81400200	HEAVY-DUTY HANDHOLE	EACH	2		2		
X		81400300	DOUBLE HANDHOLE	EACH	2		2		
X	X	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4		4		
X		86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1		
X		87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3,540		3,540		
X		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,573		1,573		
X		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,017		1,629		388
X		87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,810		2,810		
X		87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,869		1,869		

MODEL: SH00DENAMES
FILE NAME: \USERS\GPH\gph



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DESIGNED - JMG	REVISED - 12/23/2022
DRAWN - JRR	REVISED - 1/19/2023
CHECKED - KRK	REVISED -
DATE - 11/28/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
SUMMARY OF QUANTITIES

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	10
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

SHEET 7 OF 11 SHEETS

PLAN	SURVISED	DATE
NOTED	PLOTTED	BY
NO.	BY	
	DATE	
	BY	
	DATE	

PROFILE	SURVISED	DATE
NOTED	PLOTTED	BY
NO.	BY	
	DATE	
	BY	
	DATE	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						70% FEDERAL 15% STATE 15% LOCAL			100% LOCAL
						0005 ROADWAY	0021 SAFETY SIGNALS	0042 TRAINEES	NON- PARTICIPATING
X		88500100	INDUCTIVE LOOP DETECTOR	EACH	6		6		
X	X	88600100	DETECTOR LOOP, TYPE I	FOOT	1,166		1,166		
X	X	88700200	LIGHT DETECTOR	EACH	2				2
X	X	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1				1
X	X	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1		
X		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5,837		5,837		
X	X	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1		
X	X	89502378	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	2		2		
X		89502380	REMOVE EXISTING HANDHOLE	EACH	10		10		
X		89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9		9		
X	X	K0036120	MULCH PLACEMENT 4"	SQ YD	17	17			
X	X	X0323449	REMOVE EXISTING WATER VALVE	EACH	3				3
X	X	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE. NO. 20 3/C	FOOT	388				388
X	X	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	1,000		1,000		
X	X	X0325134	WIRELESS INTERCONNECT (COMPLETE)	EACH	1		1		
X	X	X1200274	TEMPORARY BYPASS PUMPING SYSTEM	L SUM	1				1
X	X	X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1		
X	X	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1		1		

MODEL: 4500CLASAME
FILE NAME: 11/28/2022 10:44:40am



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DATE	11/28/2022	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
SUMMARY OF QUANTITIES

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	12
CONTRACT NO 61116			ILLINOIS FED AID PROJECT	

SHEET 9 OF 11 SHEETS

PLAN	DATE
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DATE	
NO. OF WA. CHECKED	
CADD FILE NAME	

PROFILE	DATE
NOTED	BY
CHECKED	
DATE	
NO. OF WA. CHECKED	
CADD FILE NAME	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						70% FEDERAL 15% STATE 15% LOCAL			100% LOCAL
						0005 ROADWAY	0021 SAFETY SIGNALS	0042 TRAINEES	NON- PARTICIPATING
X	X	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2		2		
X	X	X1400388	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2		2		
	X	X2080250	TRENCH BACKFILL, SPECIAL	CU YD	31	31			
	X	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100			
	X	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	8	8			
	X	X4023000	TEMPORARY ACCESS (ROAD)	EACH	3	3			
	X	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	154	154			
	X	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	82	82			
	X	X4421790	CLASS D PATCHES, TYPE II, 12 INCH (SPECIAL)	SQ YD	13	13			
X	X	X5620106	WATER SERVICE RECONNECTIONS	EACH	3				3
X	X	X5620112	WATER SERVICE CONNECTION	EACH	2				2
	X	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	15	15			
	X	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	4	4			
X	X	X7810301	RECESSED REFLECTIVE PAVEMENT MARKER (HMA)	EACH	106	106			
X	X	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1		
X	X	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3,609		3,609		
X	X	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8		8		
X	X	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8		8		

MODEL: SH006LNAME\$
FILE TIME: 11/18/2022 10:53:00 AM



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DATE -	11/28/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
SUMMARY OF QUANTITIES**

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/1292	19-00203-02-CH	COOK	99	13
ILLINOIS FED AID PROJECT			CONTRACT NO 61116	

PLAN	SUBMITTED	DATE
NOTE BOOK	PI OTTO	BT
NO.	GRADES CHECKED	
	STRUCTURE ADJUSTERS CHECKED	
	NO. OF WAY CHECKED	
	CADD FILE NAME	

PROFILE	SUBMITTED	DATE
NOTE BOOK	PI OTTO	BT
NO.	GRADES CHECKED	
	STRUCTURE ADJUSTERS CHECKED	
	NO. OF WAY CHECKED	
	CADD FILE NAME	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						70% FEDERAL 15% STATE 15% LOCAL			100% LOCAL
						0005 ROADWAY	0021 SAFETY SIGNALS	0042 TRAINEES	NON- PARTICIPATING
X		XX003668	PRECONSTRUCTION VIDEO TAPING	L SUM	1				1
X	X	XX005541	CURED-IN-PLACE PIPE (CIPP), 12"	FOOT	593				593
	X	XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	1			
	X	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	58	58			
	X	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	X	Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	14	14			
	X	Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	10	10			
	X	Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	600	600			
	X	Z0019600	DUST CONTROL WATERING	UNIT	10	10			
	X	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	135	135			
X	X	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1		
	X	Z0038123	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2 1/2"	SQ YD	37	37			
	X	Z0056603	STORM SEWER (WATER MAIN REQUIREMENTS) 6 INCH	FOOT	3	3			
	X	Z0056604	STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH	FOOT	6	6			
	X	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	18	18			
X	X	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1		
	X	Z0076600	TRAINEES	HOURL	500			500	
	X	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500			500	

MODEL, MODELNAME
FILE NAME: 11653_SUM.dgn



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Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
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DATE - 11/20/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

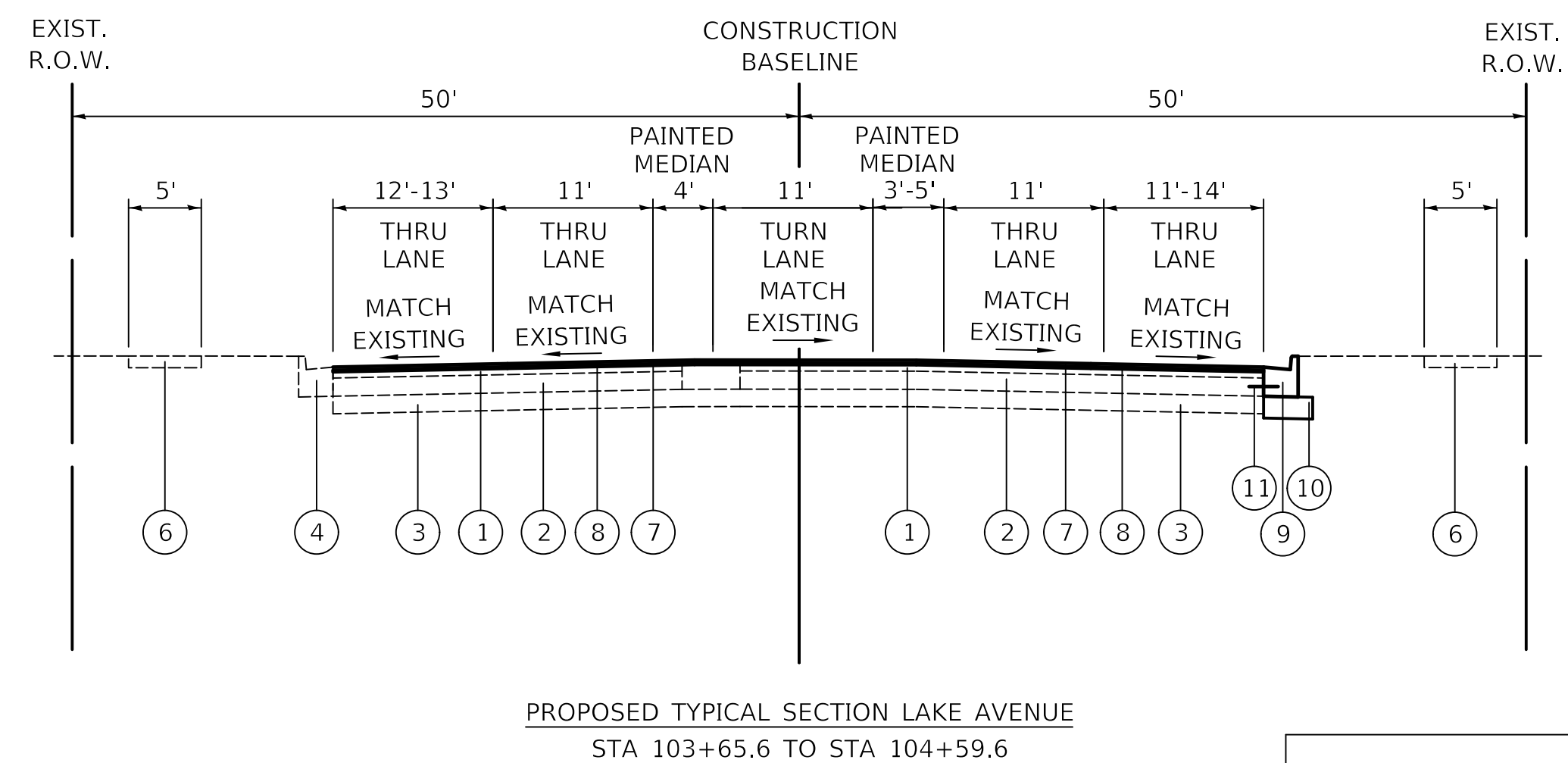
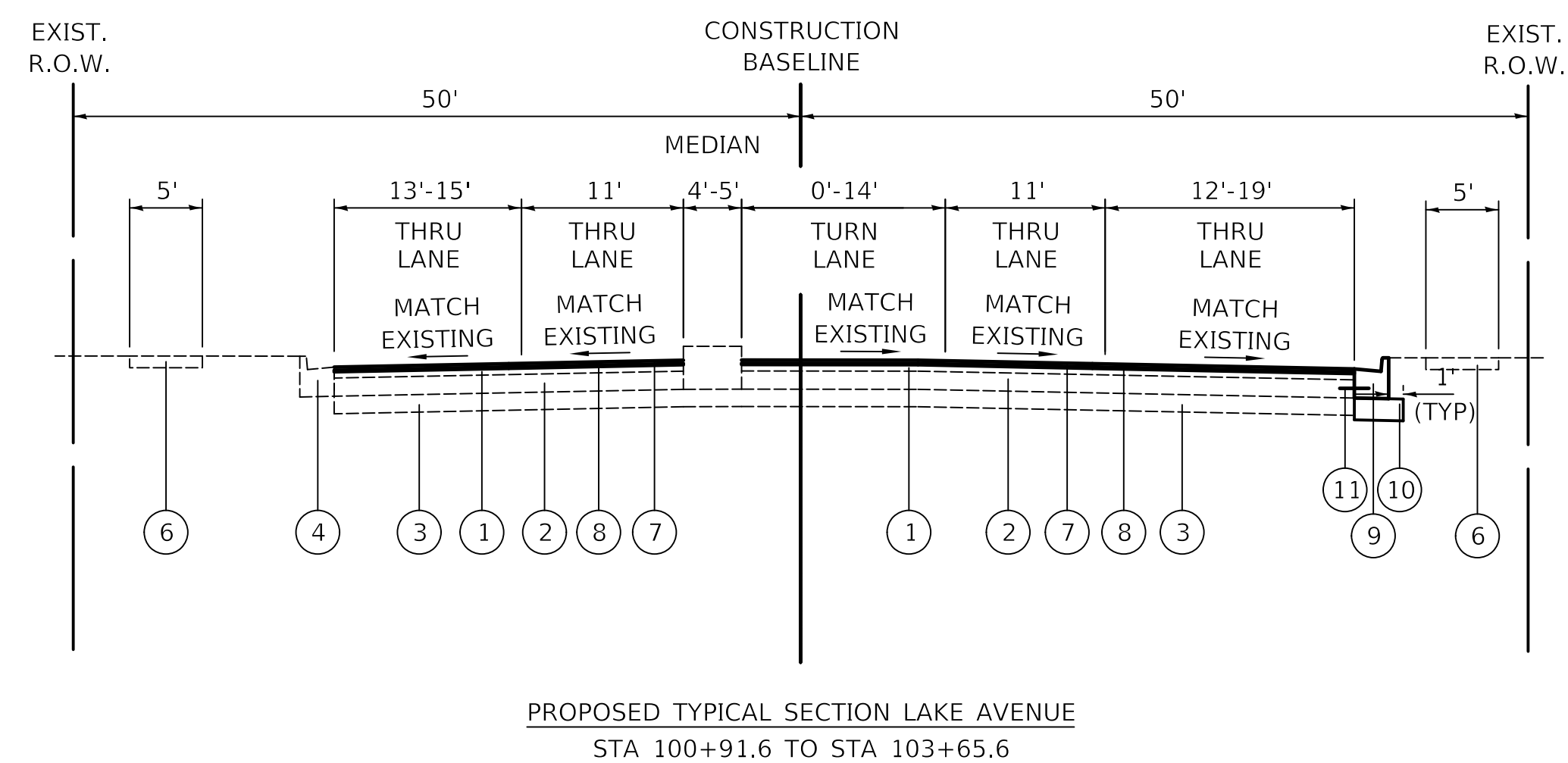
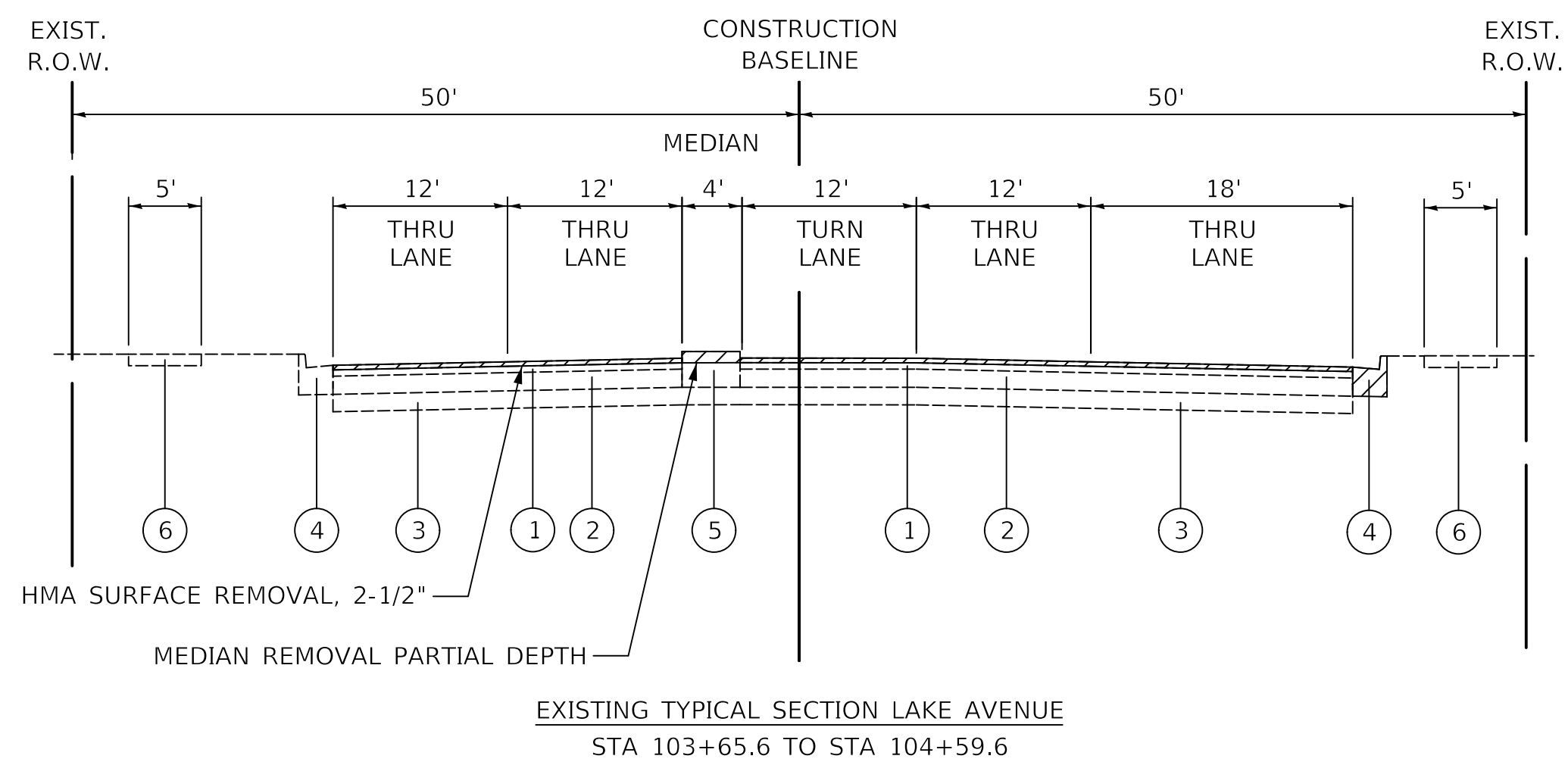
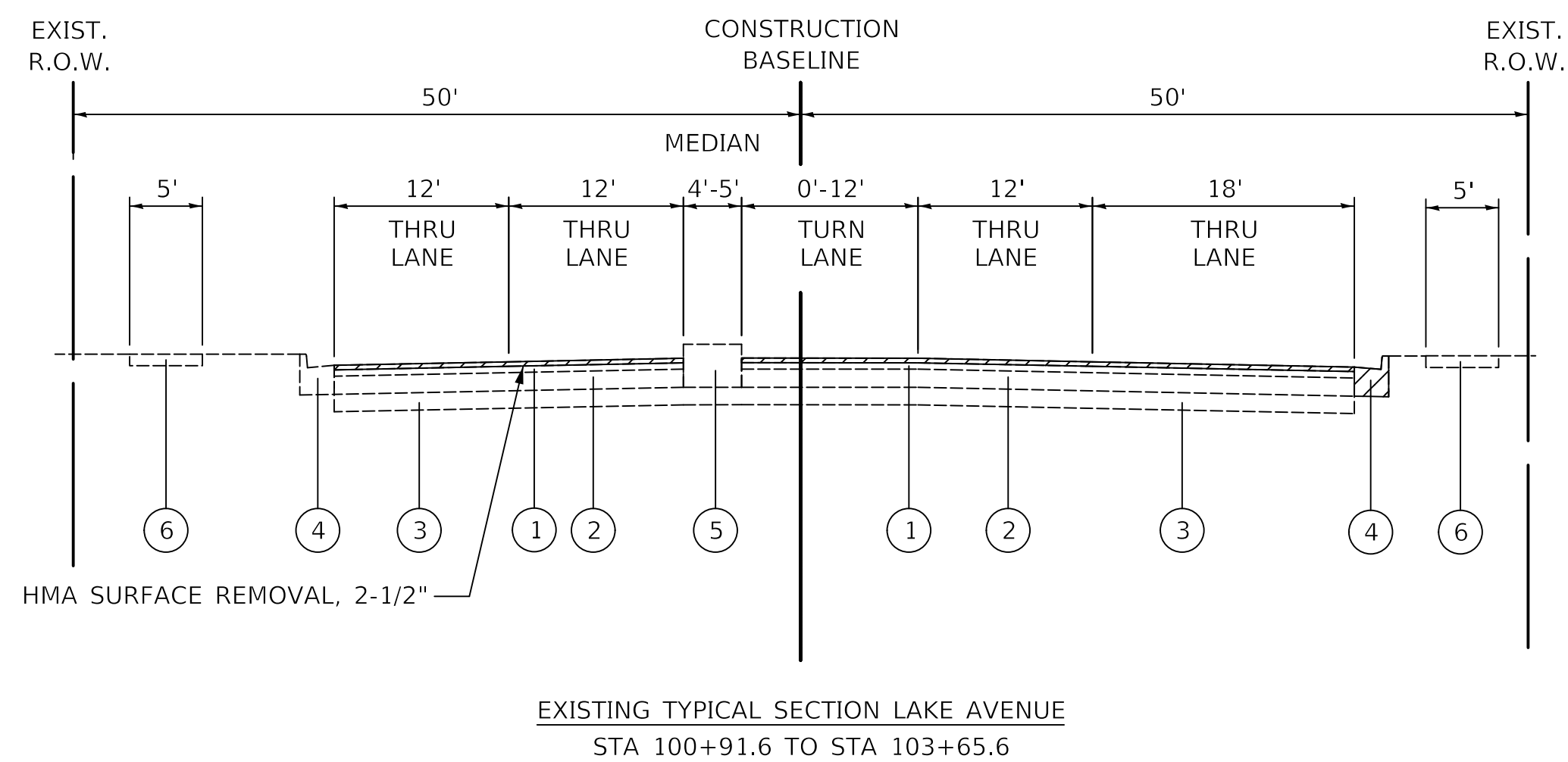
US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
SUMMARY OF QUANTITIES

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	14
CONTRACT NO 61116			ILLINOIS FED AID PROJECT	

SHEET 13 OF 11 SHEETS

DATE	
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SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
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GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
PROFILE	
FILE NAME	...03-TYP-01-03-2022-TYP.dgn



LEGEND

- ① EXISTING HMA PAVEMENT, 4" to 7"
- ② EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 7" TO 10-1/4"
- ③ EXISTING SUBGRADE
- ④ EXISTING CONCRETE CURB AND GUTTER
- ⑤ EXISTING CONCRETE MEDIAN
- ⑥ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- ⑦ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1-3/4"
- ⑧ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ⑨ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑩ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑪ DRILL AND GROUT NO. 6 EPOXY COATED TIE BARS, 24 INCHES LONG @ 24" C-C, EMBED 8"
- REMOVAL

NOTE:

1. SIDEWALK REMOVAL AND REPLACEMENT LIMITS WILL BE DETERMINED BY THE FIELD ENGINEER. SEE PLANS FOR SUGGESTED SPOT REPAIRS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QUALITY MANAGEMENT PLAN (QMP)
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1-3/4"	4% @ 70 Gyr.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 Gyr.	LR 1030-2
CLASS D PATCHES, 3 INCH		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 3"	4% @ 70 Gyr.	LR 1030-2
CLASS D PATCHES, 12 INCH (SPECIAL)		
POLYMERIZED HMA SURFACE COURSE IL-9.5 MIX E N70, 2"	4% @ 70 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10"	4% @ 70 Gyr.	LR 1030-2
CLASS D PATCHES, 15 INCH		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 15"	4% @ 70 Gyr.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SQ YD/ IN.
- 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.
- THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BC IL-4.75 N50.

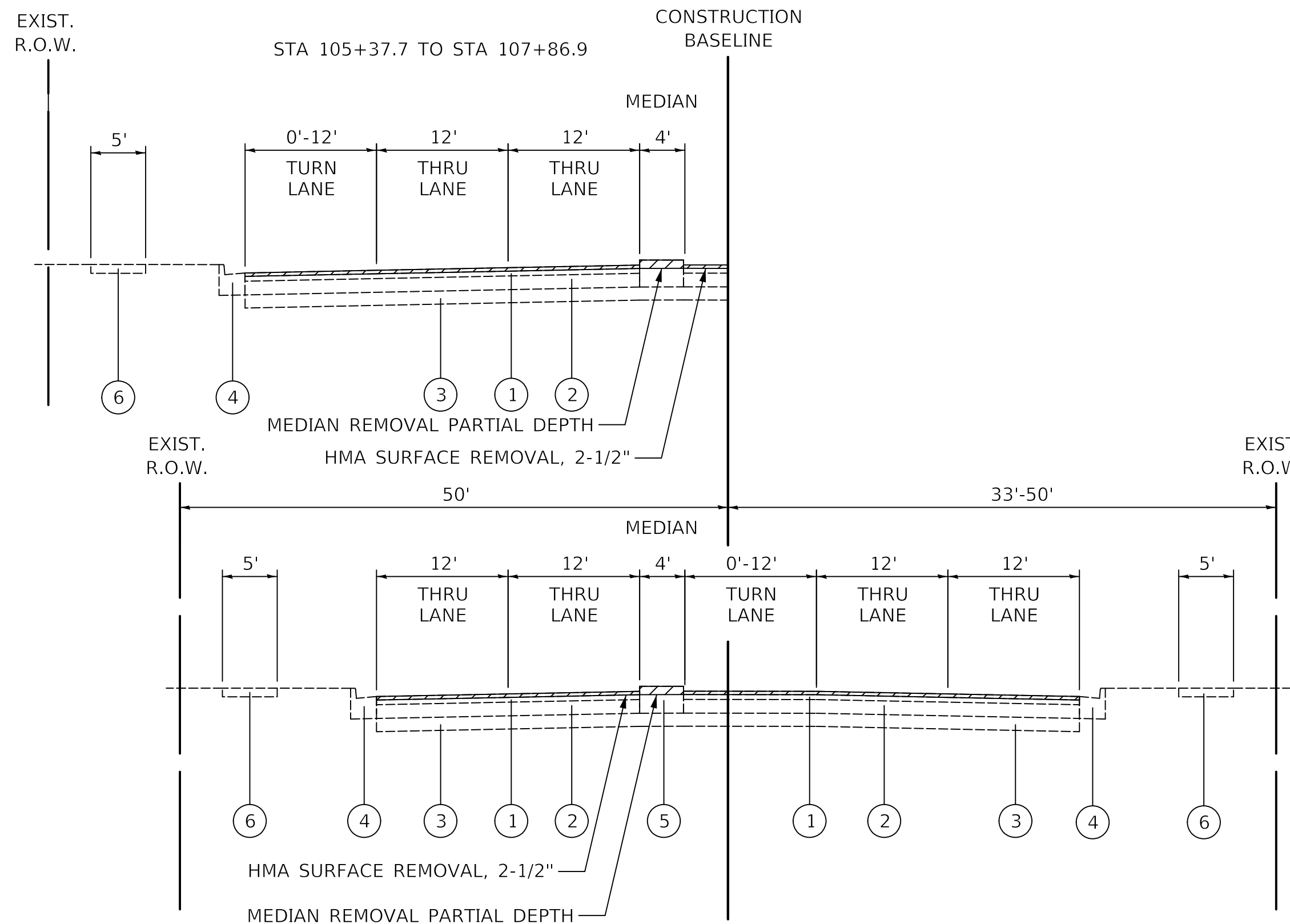
DESIGNED -	JMG	REVISED -	12/23/2022
DRAWN -	JRR	REVISED -	1/19/2023
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DATE -	11/28/2022	REVISED -	

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	15
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

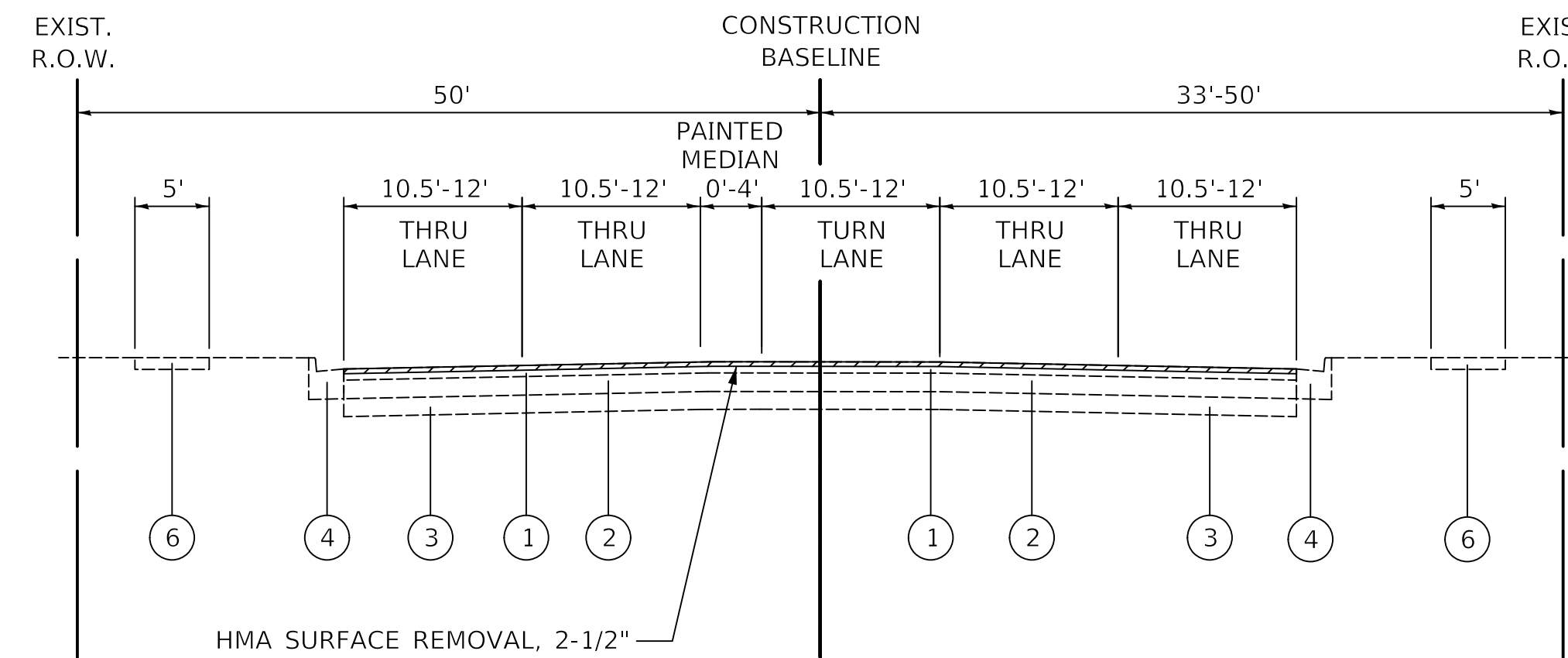
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GRADES CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATION CHKD	

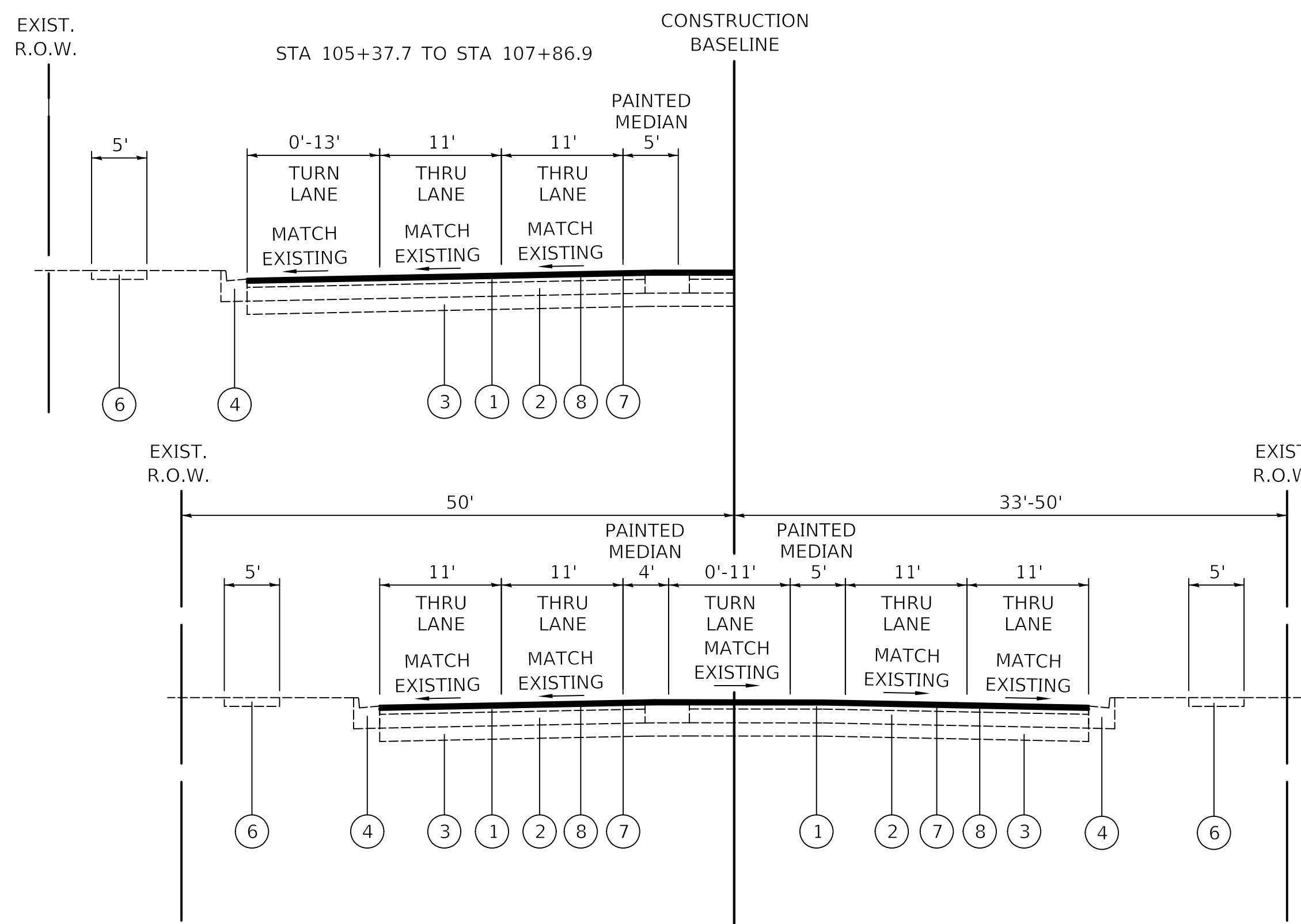
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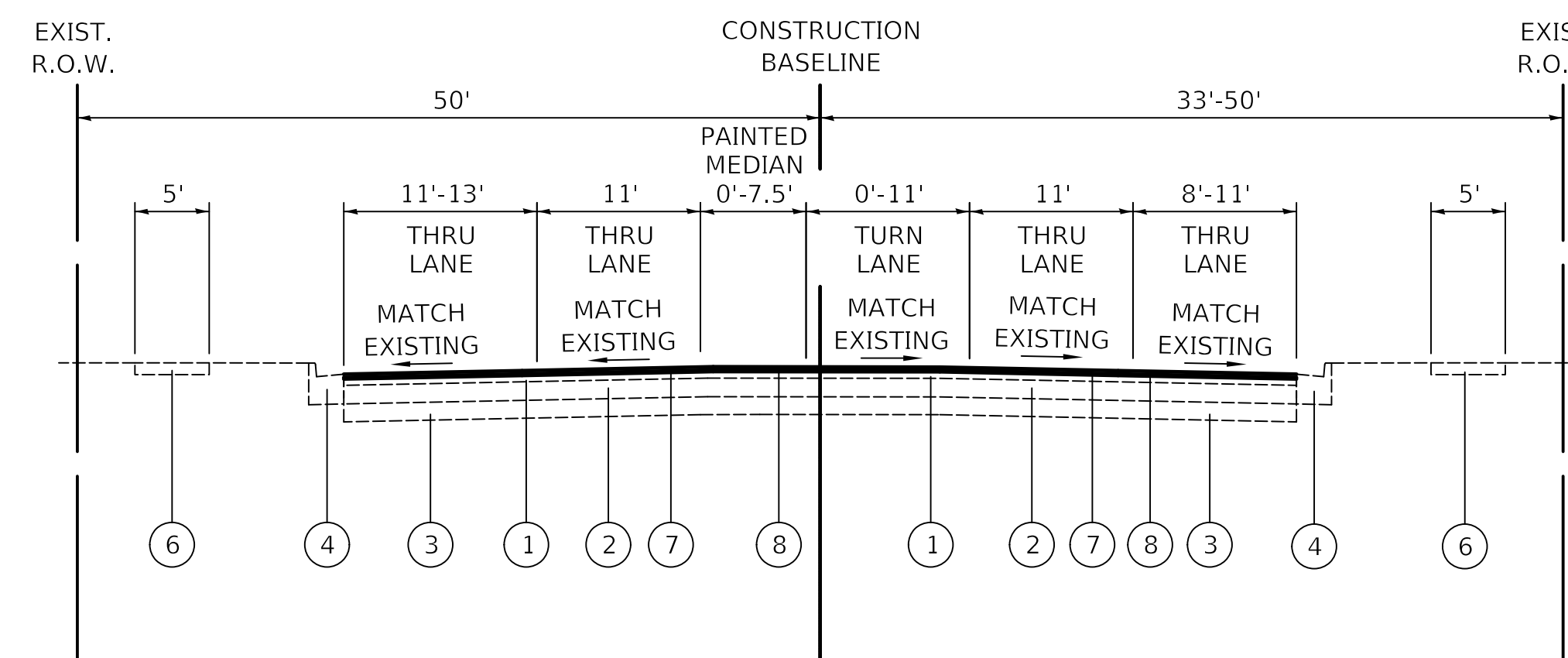
EXISTING TYPICAL SECTION LAKE AVENUE
STA 104+59.6 TO STA 111+07.8



EXISTING TYPICAL SECTION LAKE AVENUE
STA 111+07.8 TO STA 115+20.9



PROPOSED TYPICAL SECTION LAKE AVENUE
STA 104+59.6 TO STA 111+07.8



PROPOSED TYPICAL SECTION LAKE AVENUE
STA 111+07.8 TO STA 115+20.9

LEGEND

- ① EXISTING HMA PAVEMENT, 4" to 7"
- ② EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 7" TO 10-1/4"
- ③ EXISTING SUBGRADE
- ④ EXISTING CONCRETE CURB AND GUTTER
- ⑤ EXISTING CONCRETE MEDIAN
- ⑥ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- ⑦ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1-3/4"
- ⑧ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ⑨ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑩ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑪ DRILL AND GROUT NO. 6 EPOXY COATED TIE BARS, 24 INCHES LONG @ 24" C-C, EMBED 8"
- REMOVAL

NOTE:

1. SIDEWALK REMOVAL AND REPLACEMENT LIMITS WILL BE DETERMINED BY THE FIELD ENGINEER. SEE PLANS FOR SUGGESTED SPOT REPAIRS.



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
TYPICAL SECTIONS**

SHEET 2 OF 2 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/1292	19-00203-02-CH	COOK	99	16
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

**SKOKIE BOULEVARD
ALIGNMENT DATA**

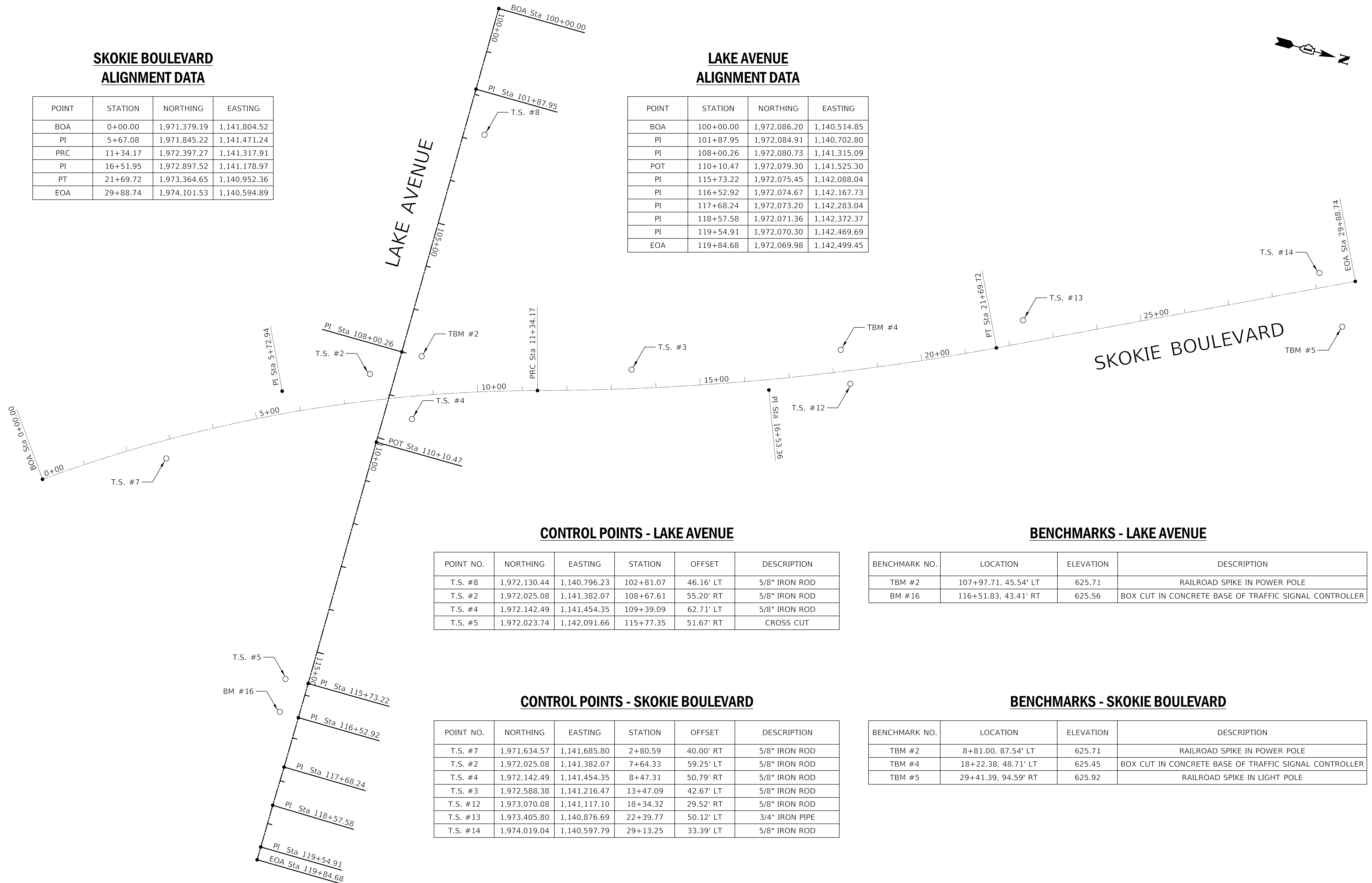
POINT	STATION	NORTHING	EASTING
BOA	0+00.00	1,971,379.19	1,141,804.52
PI	5+67.08	1,971,845.22	1,141,471.24
PRC	11+34.17	1,972,397.27	1,141,317.91
PI	16+51.95	1,972,897.52	1,141,178.97
PT	21+69.72	1,973,364.65	1,140,952.36
EOA	29+88.74	1,974,101.53	1,140,594.89

**LAKE AVENUE
ALIGNMENT DATA**

POINT	STATION	NORTHING	EASTING
BOA	100+00.00	1,972,086.20	1,140,514.85
PI	101+87.95	1,972,084.91	1,140,702.80
PI	108+00.26	1,972,080.73	1,141,315.09
POT	110+10.47	1,972,079.30	1,141,525.30
PI	115+73.22	1,972,075.45	1,142,088.04
PI	116+52.92	1,972,074.67	1,142,167.73
PI	117+68.24	1,972,073.20	1,142,283.04
PI	118+57.58	1,972,071.36	1,142,372.37
PI	119+54.91	1,972,070.30	1,142,469.69
EOA	119+84.68	1,972,069.98	1,142,499.45

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	GRADE CHECKED
	STRUCTURE NOTATION CHECKED
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PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATION CHECKED
	NO.



CONTROL POINTS - LAKE AVENUE

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
T.S. #8	1,972,130.44	1,140,796.23	102+81.07	46.16' LT	5/8" IRON ROD
T.S. #2	1,972,025.08	1,141,382.07	108+67.61	55.20' RT	5/8" IRON ROD
T.S. #4	1,972,142.49	1,141,454.35	109+39.09	62.71' LT	5/8" IRON ROD
T.S. #5	1,972,023.74	1,142,091.66	115+77.35	51.67' RT	CROSS CUT

BENCHMARKS - LAKE AVENUE

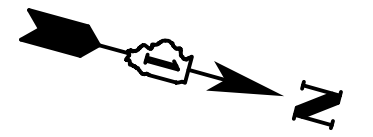
BENCHMARK NO.	LOCATION	ELEVATION	DESCRIPTION
TBM #2	107+97.71, 45.54' LT	625.71	RAILROAD SPIKE IN POWER POLE
BM #16	116+51.83, 43.41' RT	625.56	BOX CUT IN CONCRETE BASE OF TRAFFIC SIGNAL CONTROLLER

CONTROL POINTS - SKOKIE BOULEVARD

POINT NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
T.S. #7	1,971,634.57	1,141,685.80	2+80.59	40.00' RT	5/8" IRON ROD
T.S. #2	1,972,025.08	1,141,382.07	7+64.33	59.25' LT	5/8" IRON ROD
T.S. #4	1,972,142.49	1,141,454.35	8+47.31	50.79' RT	5/8" IRON ROD
T.S. #3	1,972,588.38	1,141,216.47	13+47.09	42.67' LT	5/8" IRON ROD
T.S. #12	1,973,070.08	1,141,117.10	18+34.32	29.52' RT	5/8" IRON ROD
T.S. #13	1,973,405.80	1,140,876.69	22+39.77	50.12' LT	3/4" IRON PIPE
T.S. #14	1,974,019.04	1,140,597.79	29+13.25	33.39' LT	5/8" IRON ROD

BENCHMARKS - SKOKIE BOULEVARD

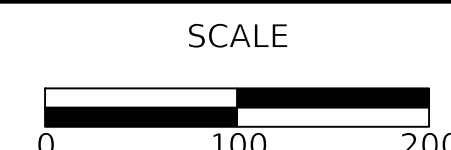
BENCHMARK NO.	LOCATION	ELEVATION	DESCRIPTION
TBM #2	8+81.00, 87.54' LT	625.71	RAILROAD SPIKE IN POWER POLE
TBM #4	18+22.38, 48.71' LT	625.45	BOX CUT IN CONCRETE BASE OF TRAFFIC SIGNAL CONTROLLER
TBM #5	29+41.39, 94.59' RT	625.92	RAILROAD SPIKE IN LIGHT POLE



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
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DATE -	11/28/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
ALIGNMENT, TIES, AND BENCHMARKS**

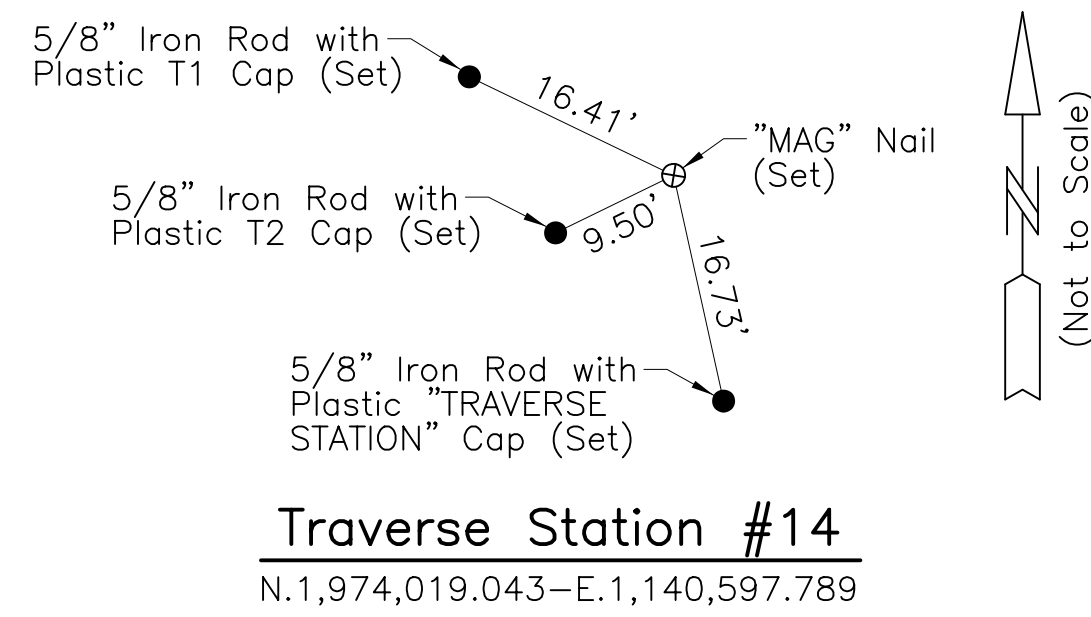
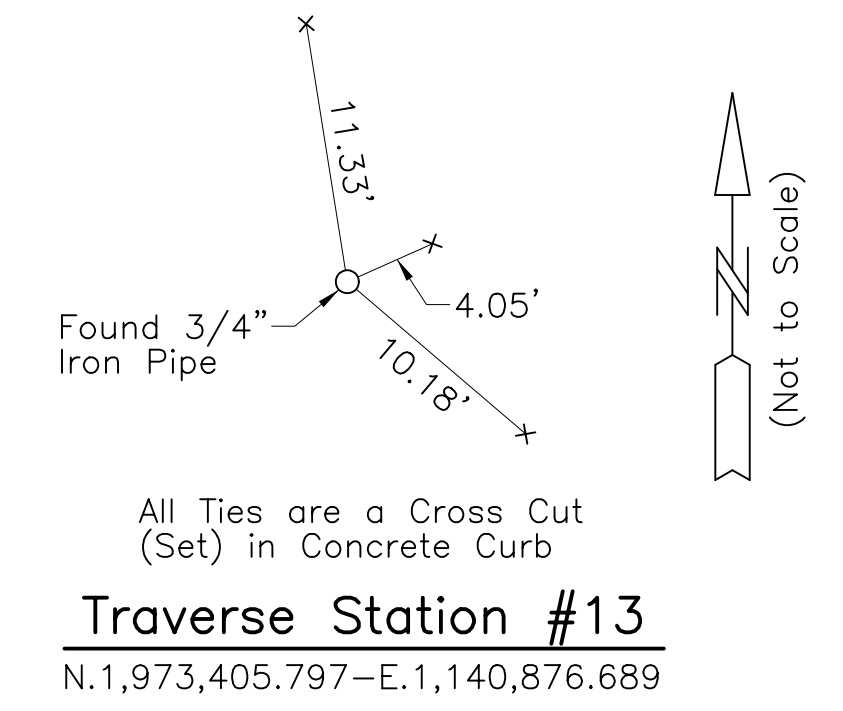
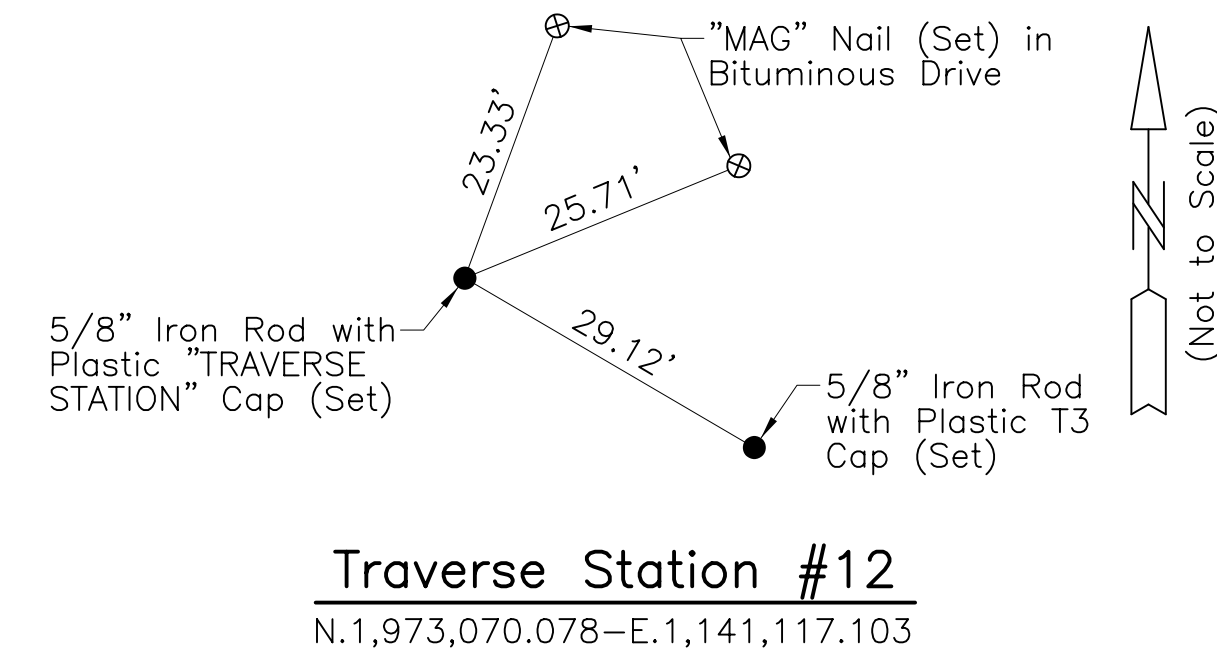
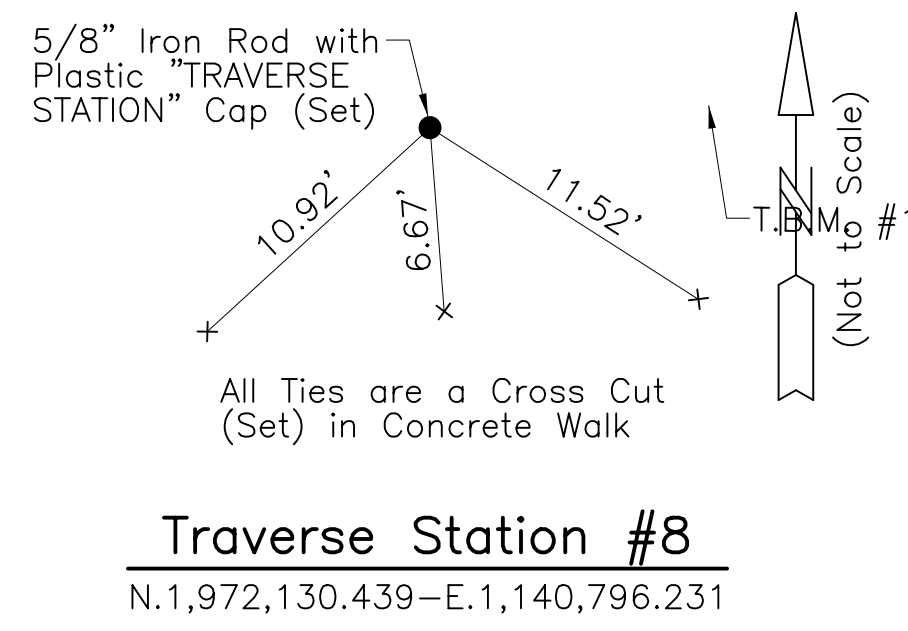
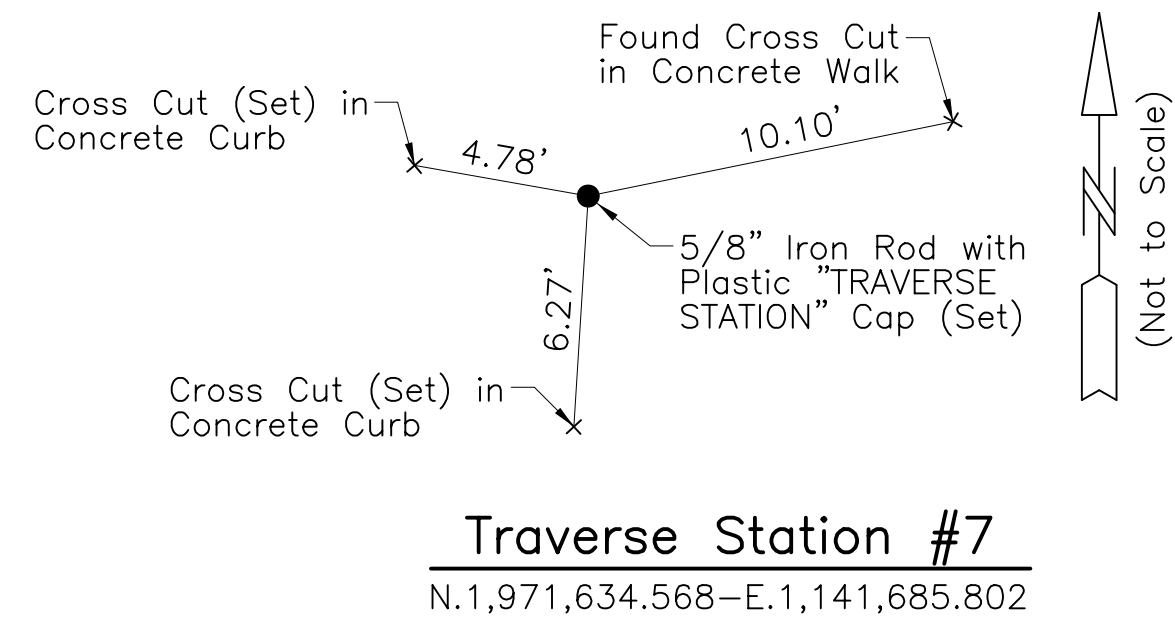
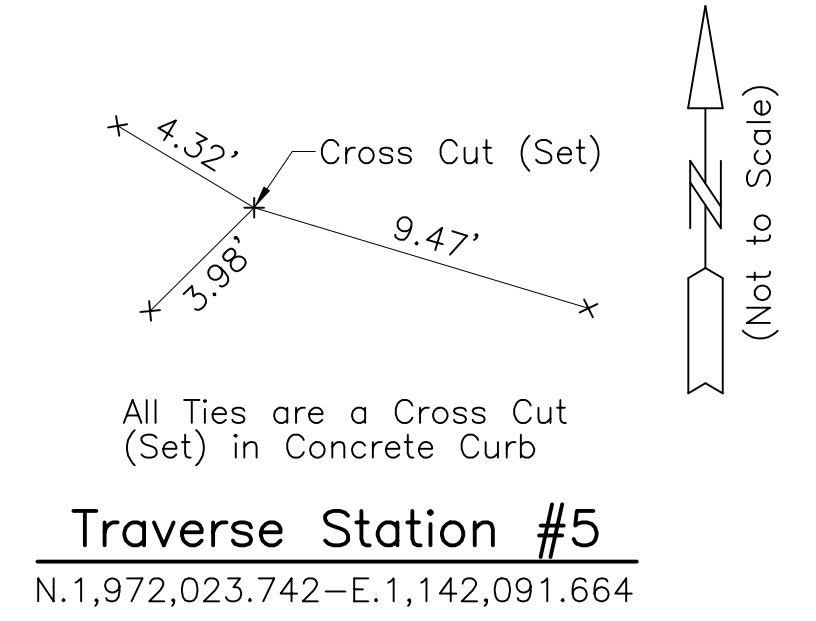
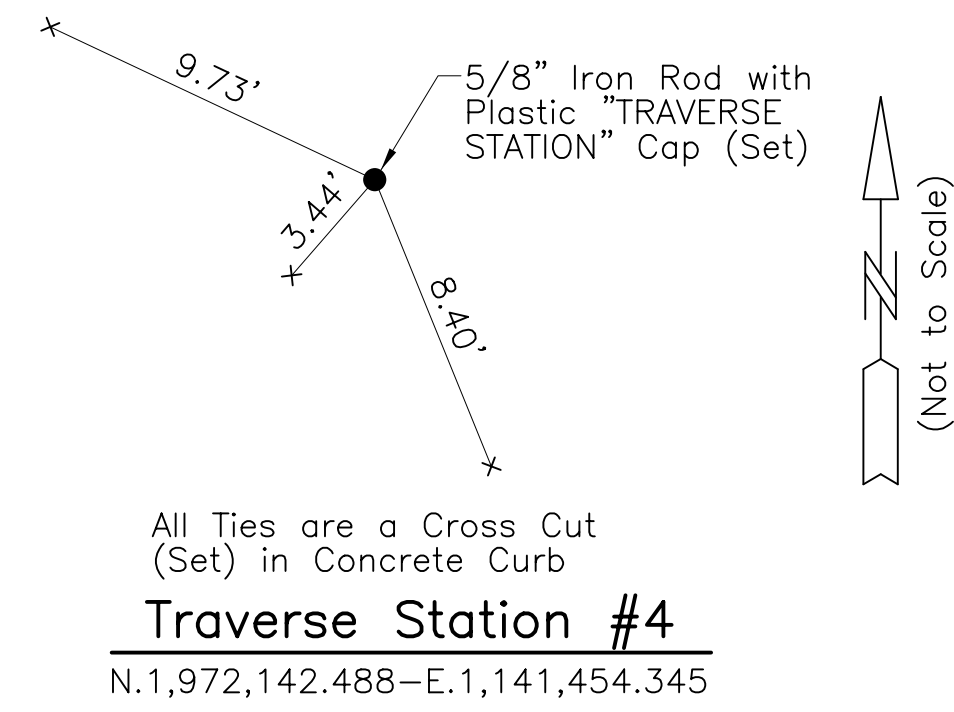
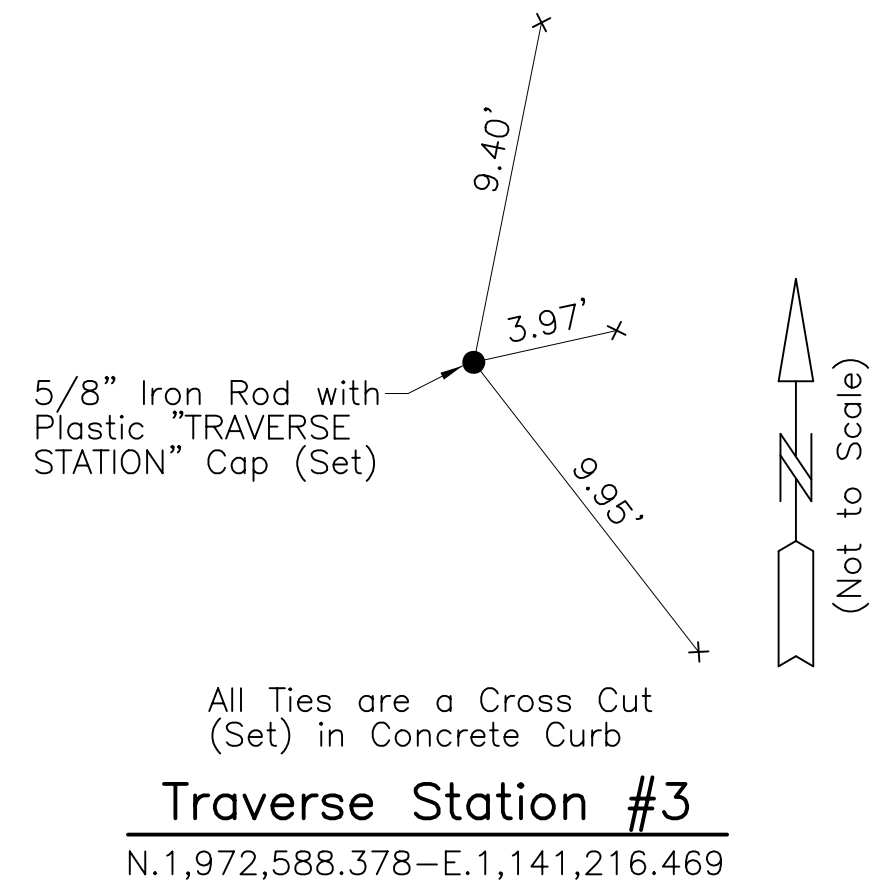
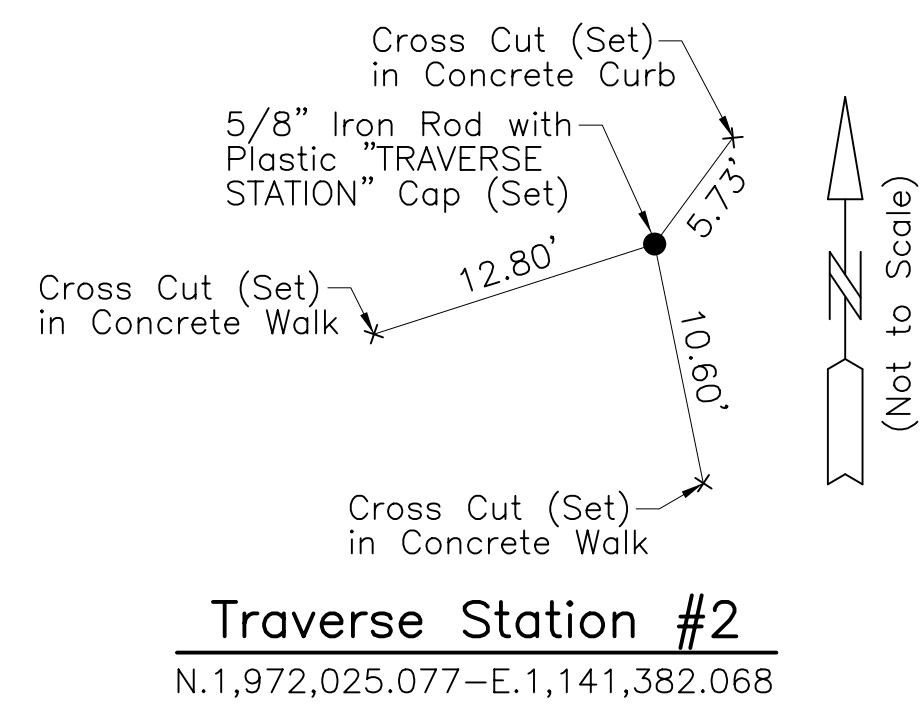
SHEET 1 OF 2 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	17
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

MODEL: SPODELNAMRES
FILE NAME: ...32653_AT.dgn

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
GRADE CHECKED	
FILE NAME	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK	
NO.	



MODEL: SPODELNAMRES
FILE NAME: ...132653_AT.dgn



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www.civiltechinc.com

DESIGNED	-	JMG	REVISED	-
DRAWN	-	JRR	REVISED	-
CHECKED	-	KRK	REVISED	-
DATE	-	11/28/2022	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
ALIGNMENT, TIES, AND BENCHMARKS**

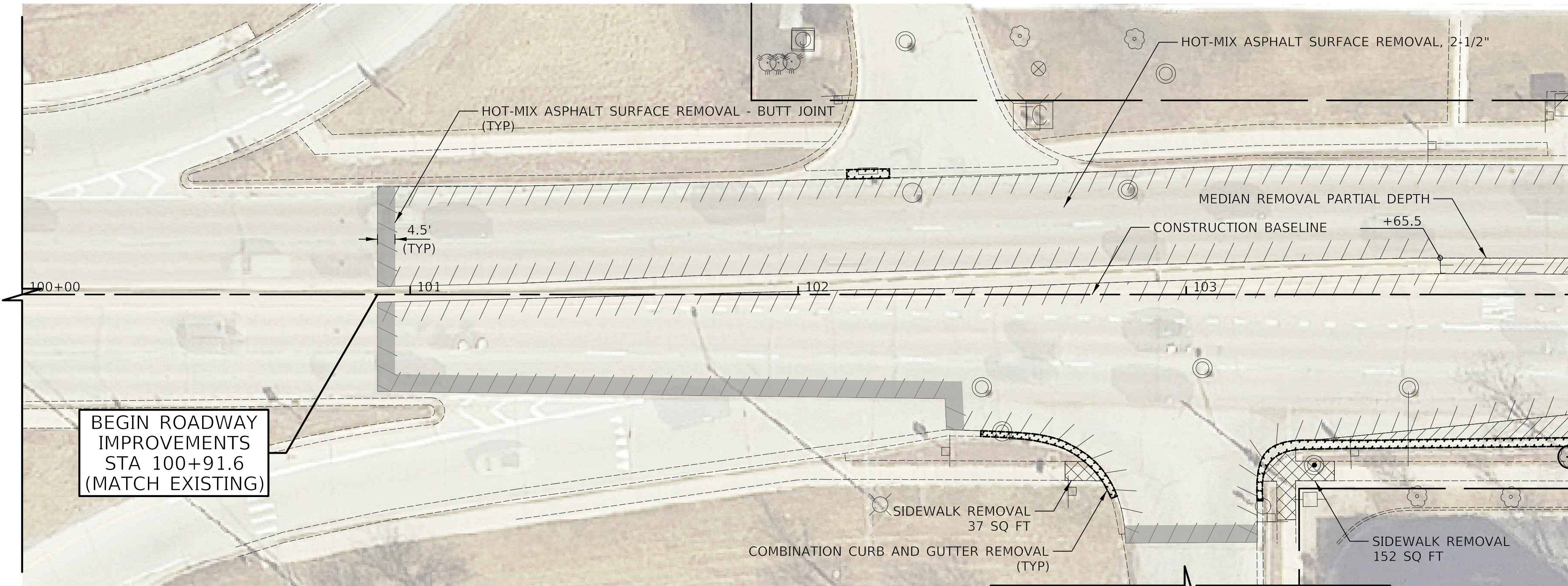
SHEET 2 OF 2 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	18
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

PLAN	SURVEYED	DATE
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	ALIGNMENT CHECKED	
	NOTE BOOK	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATIONS CHECKED	

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FILE NAME: ...132653.PP2.dgn

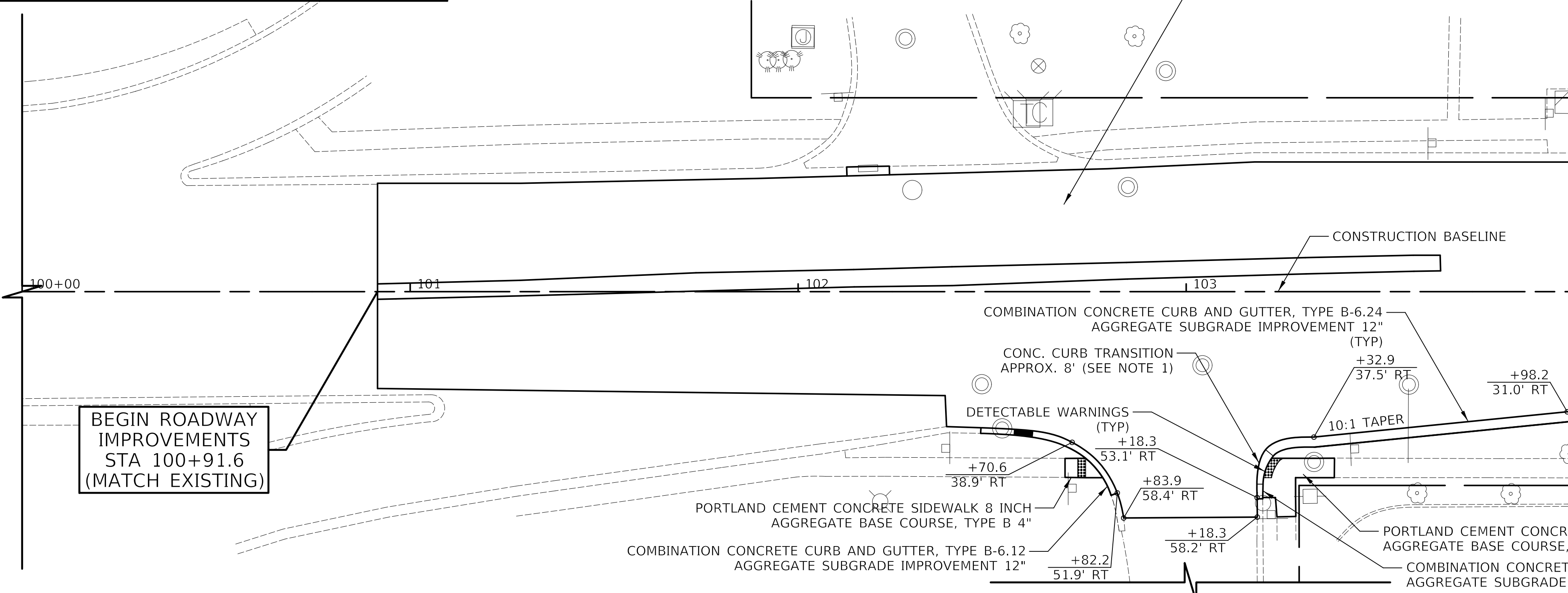


MATCH LINE STA 104+00
SEE SHEET NO 20

LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL	SIDEWALK REMOVAL
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	COMBINATION CURB AND GUTTER REMOVAL
DRIVEWAY REMOVAL	MEDIAN REMOVAL PARTIAL DEPTH
PAVEMENT REMOVAL	CLASS D PATCHES, 12 INCH (SPECIAL)
TREE PROTECTION (SEE EROSION CONTROL AND LANDSCAPING PLANS)	

- NOTE:**
- CURB AND GUTTER TRANSITION FROM TYPE B-6.24 TO A SMALLER TYPE WILL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24".
 - SEE DRIVEWAY DETAILS ON SHEETS 36 THROUGH 38
 - SEE CURB RAMP DETAILS ON SHEETS 39 THROUGH 42

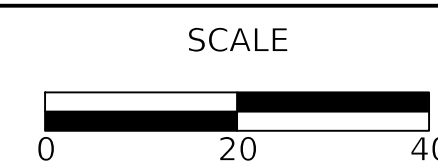


MATCH LINE STA 104+00
SEE SHEET NO 20

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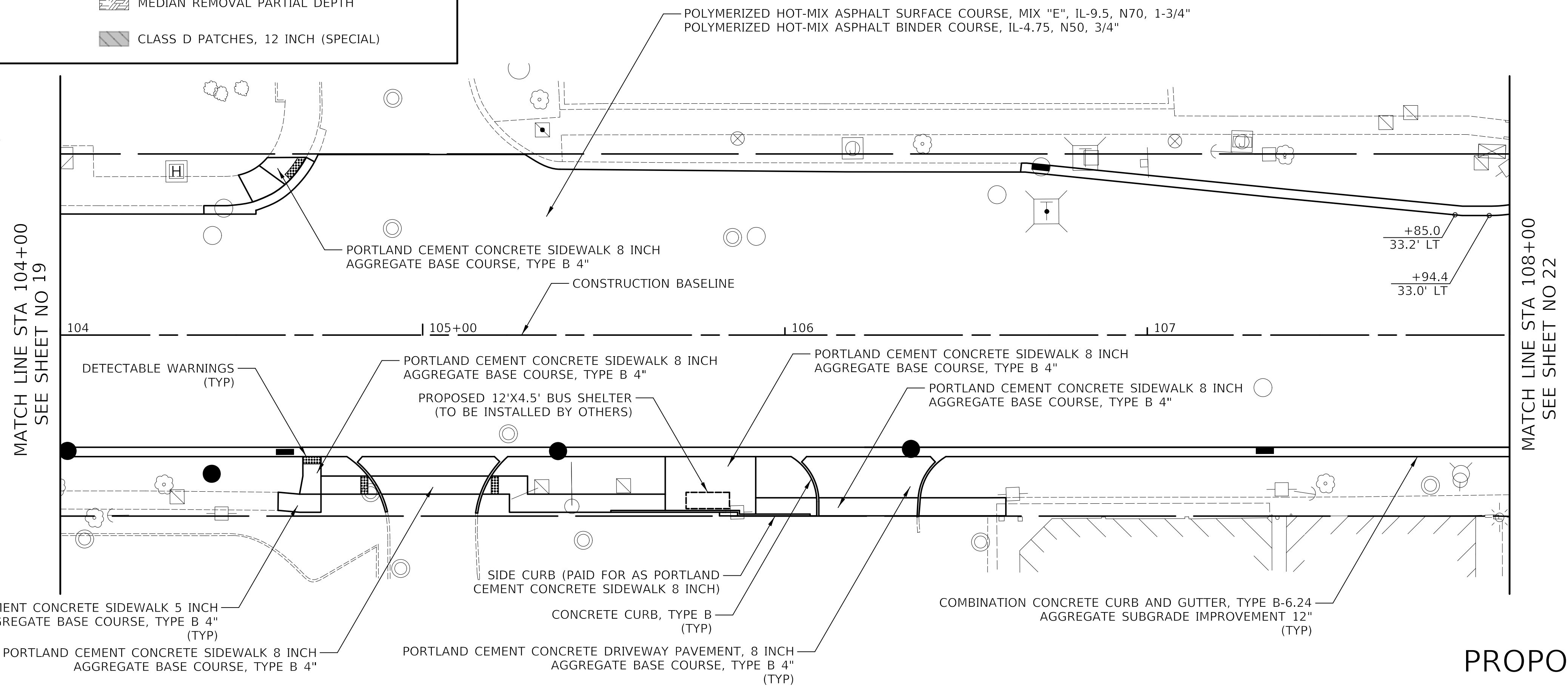
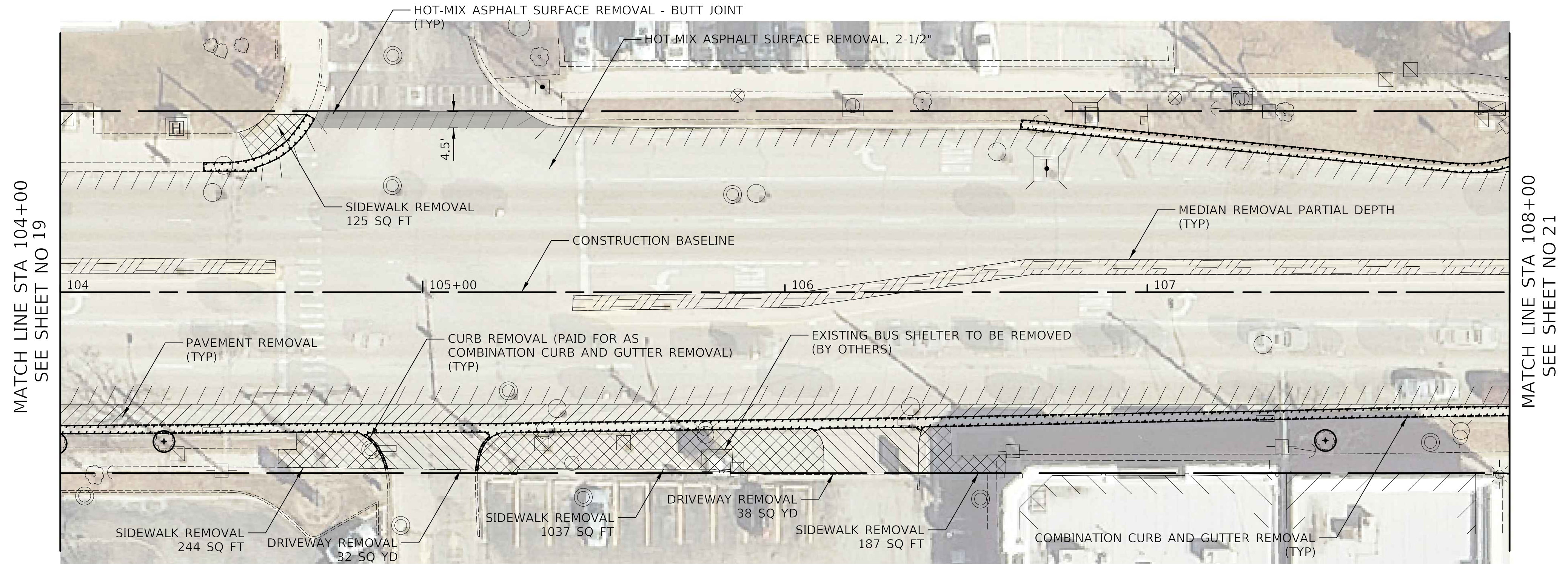
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
ROADWAY PLAN**

SHEET 1 OF 7 SHEETS STA 100+00.00 TO STA 104+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	19
CONTRACT NO 61116			ILLINOIS FED AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION	



LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL	SIDEWALK REMOVAL
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	COMBINATION CURB AND GUTTER REMOVAL
DRIVEWAY REMOVAL	MEDIAN REMOVAL PARTIAL DEPTH
PAVEMENT REMOVAL	CLASS D PATCHES, 12 INCH (SPECIAL)
TREE PROTECTION (SEE EROSION CONTROL AND LANDSCAPING PLANS)	

- NOTE:**
- CURB AND GUTTER TRANSITION FROM TYPE B-6.24 TO A SMALLER TYPE WILL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24".
 - SEE DRIVEWAY DETAILS ON SHEETS 36 THROUGH 38
 - SEE CURB RAMP DETAILS ON SHEETS 39 THROUGH 42

MODEL: SPODELNAMER
FILE NAME: ...132653.PP2.dgn



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**STATE OF ILLINOIS
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**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
ROADWAY PLAN**

SHEET 2 OF 7 SHEETS STA 104+00.00 TO STA 108+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	20
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

EXISTING LAKE AVENUE

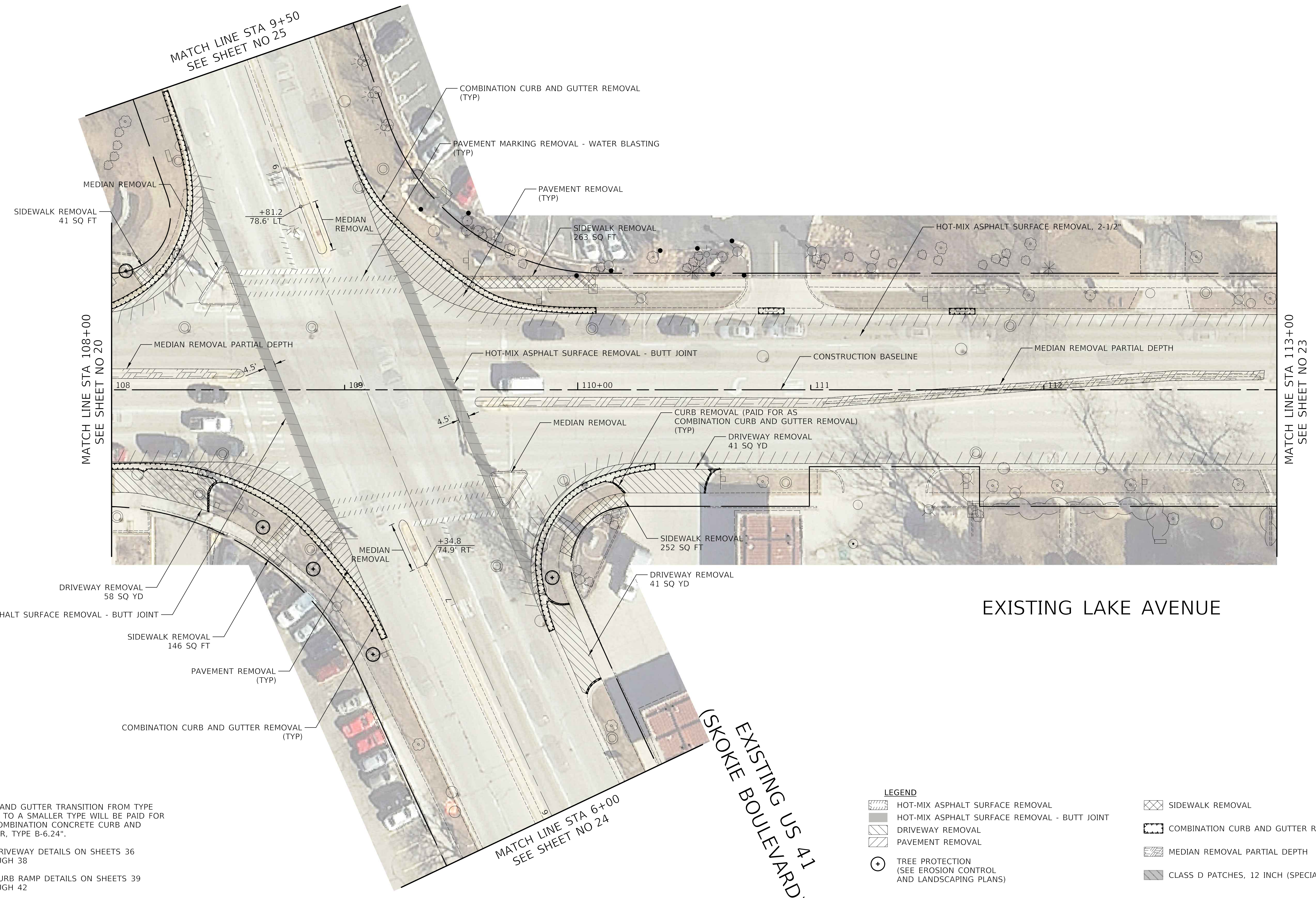
PROPOSED LAKE AVENUE





PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK NO.	
	STRUCTURE NOTATION CHECKED	



- NOTE:**
1. CURB AND GUTTER TRANSITION FROM TYPE B-6.24 TO A SMALLER TYPE WILL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24".
 2. SEE DRIVEWAY DETAILS ON SHEETS 36 THROUGH 38
 3. SEE CURB RAMP DETAILS ON SHEETS 39 THROUGH 42

LEGEND

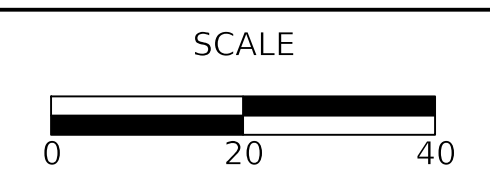
	HOT-MIX ASPHALT SURFACE REMOVAL		SIDEWALK REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		COMBINATION CURB AND GUTTER REMOVAL
	DRIVEWAY REMOVAL		MEDIAN REMOVAL PARTIAL DEPTH
	PAVEMENT REMOVAL		CLASS D PATCHES, 12 INCH (SPECIAL)
	TREE PROTECTION (SEE EROSION CONTROL AND LANDSCAPING PLANS)		



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**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
ROADWAY PLAN**

SHEET 3 OF 7 SHEETS STA 108+00.00 TO STA 113+00.00

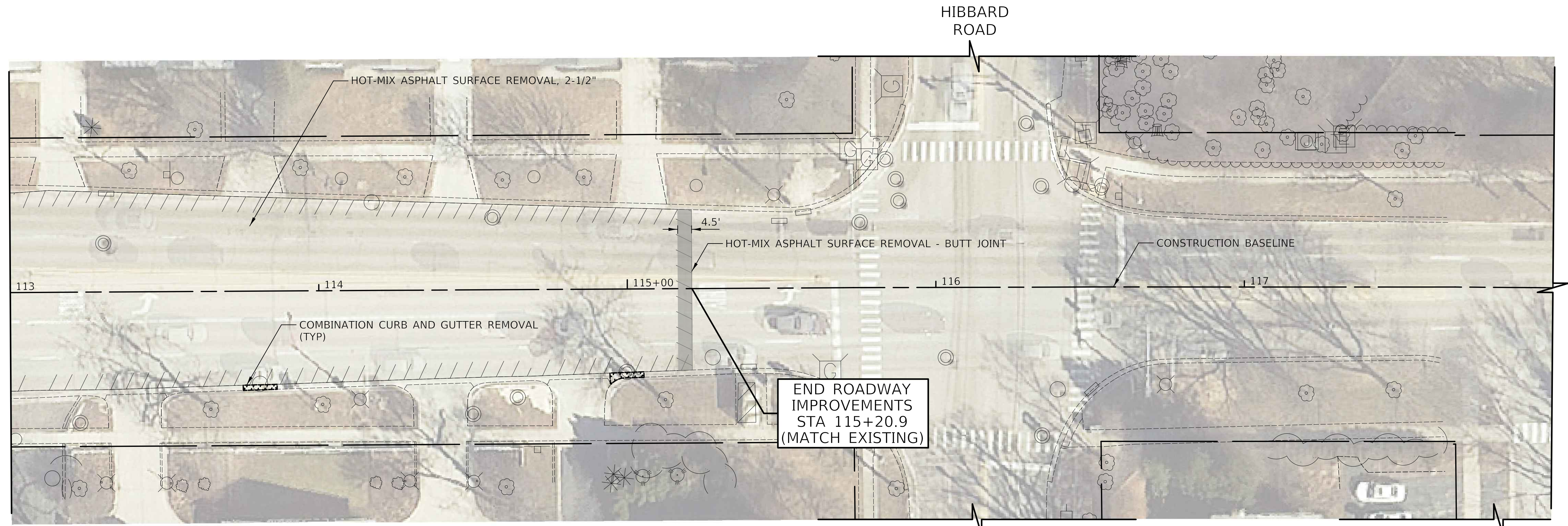
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	21
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

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FILE NAME: ...132653.PP2.dgn

PLAN	SURVEYED	DATE
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	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	BY	
	DATE	

MATCH LINE STA 113+00
SEE SHEET NO 21



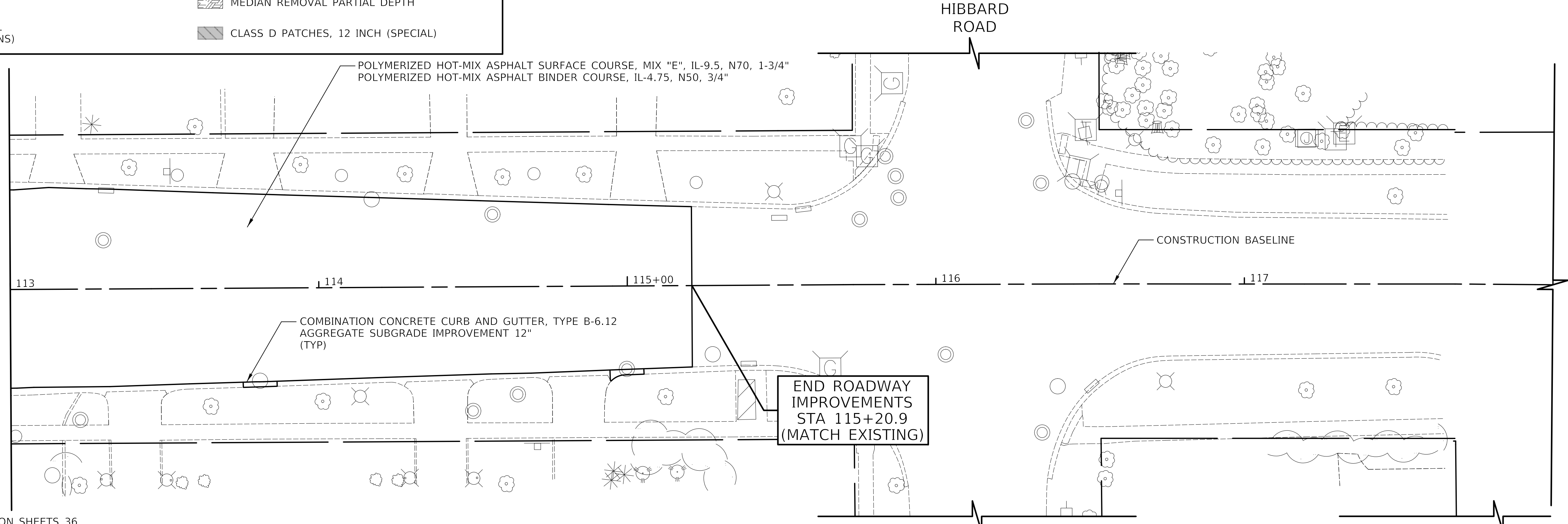
END ROADWAY
IMPROVEMENTS
STA 115+20.9
(MATCH EXISTING)

LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL	SIDEWALK REMOVAL
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	COMBINATION CURB AND GUTTER REMOVAL
DRIVEWAY REMOVAL	MEDIAN REMOVAL PARTIAL DEPTH
PAVEMENT REMOVAL	CLASS D PATCHES, 12 INCH (SPECIAL)
TREE PROTECTION (SEE EROSION CONTROL AND LANDSCAPING PLANS)	

EXISTING LAKE AVENUE

MATCH LINE STA 113+00
SEE SHEET NO 22



END ROADWAY
IMPROVEMENTS
STA 115+20.9
(MATCH EXISTING)

- NOTE:**
- SEE DRIVEWAY DETAILS ON SHEETS 36 THROUGH 38
 - SEE CURB RAMP DETAILS ON SHEETS 39 THROUGH 42

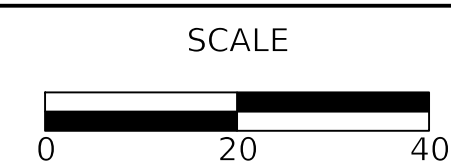
PROPOSED LAKE AVENUE



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**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
ROADWAY PLAN**

SHEET 5 OF 7 SHEETS STA 113+00.00 TO STA 118+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	23
CONTRACT NO 61116			ILLINOIS FED AID PROJECT	

PLAN	SURVEYED	DATE
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NOTE BOOK NO.	ALIGNMENT CHECKED	
	CADD FILE NAME	

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

MODEL: SPODELNAMRES
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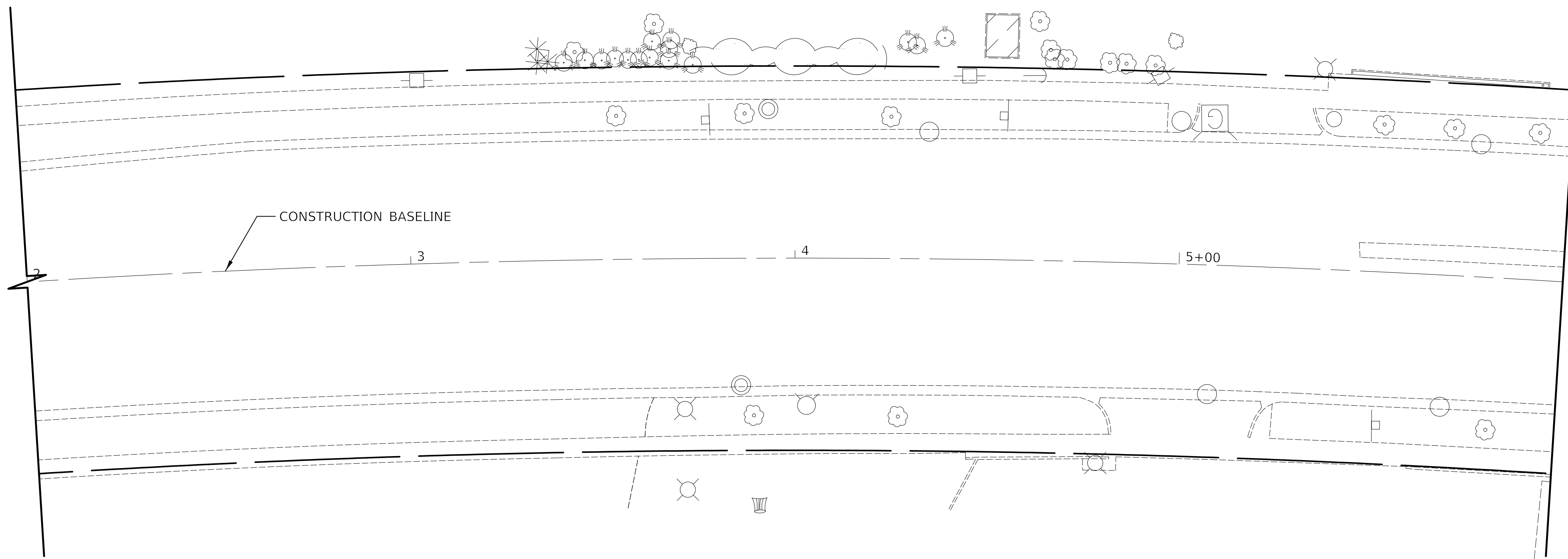


MATCH LINE STA 6+00
SEE SHEET NO 21

EXISTING US ROUTE 41 (SKOKIE BOULEVARD)

LEGEND

	HOT-MIX ASPHALT SURFACE REMOVAL		SIDEWALK REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		COMBINATION CURB AND GUTTER REMOVAL
	DRIVEWAY REMOVAL		MEDIAN REMOVAL PARTIAL DEPTH
	PAVEMENT REMOVAL		CLASS D PATCHES, 12 INCH (SPECIAL)
	TREE PROTECTION (SEE EROSION CONTROL AND LANDSCAPING PLANS)		



MATCH LINE STA 6+00
SEE SHEET NO 22

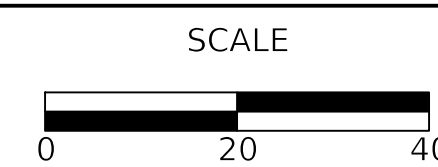
PROPOSED US ROUTE 41 (SKOKIE BOULEVARD)

- NOTE:**
- SEE DRIVEWAY DETAILS ON SHEETS 36 THROUGH 38
 - SEE CURB RAMP DETAILS ON SHEETS 39 THROUGH 42

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DATE -	11/28/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



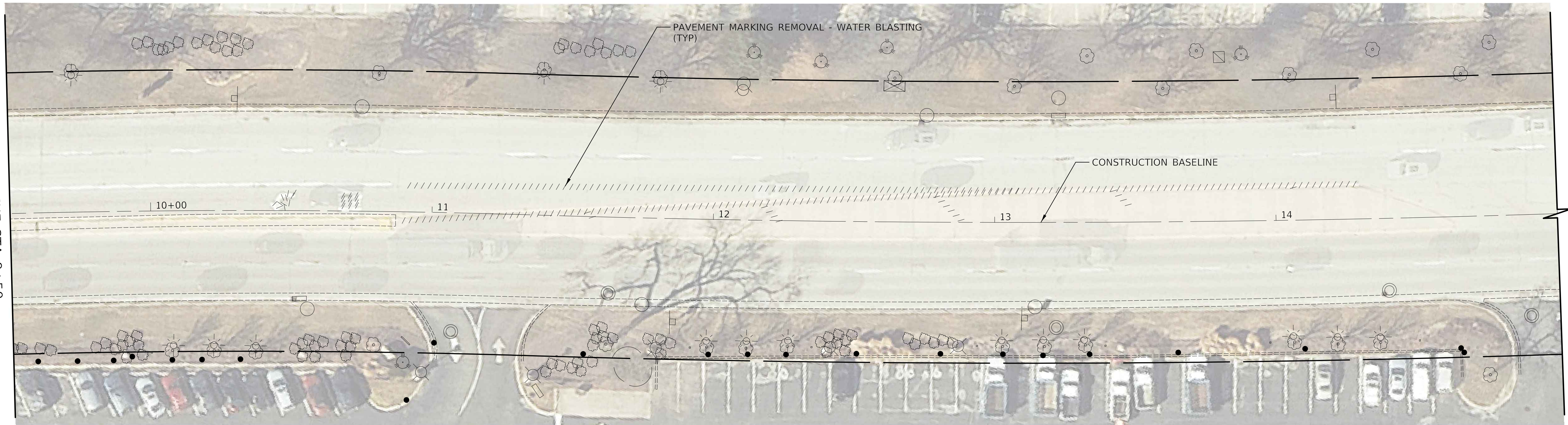
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
ROADWAY PLAN**

SHEET 6 OF 7 SHEETS STA 2+00.00 TO STA 6+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	24
CONTRACT NO 61116			ILLINOIS FED AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	
	NO.	

MATCH LINE STA 9+50
SEE SHEET NO 21



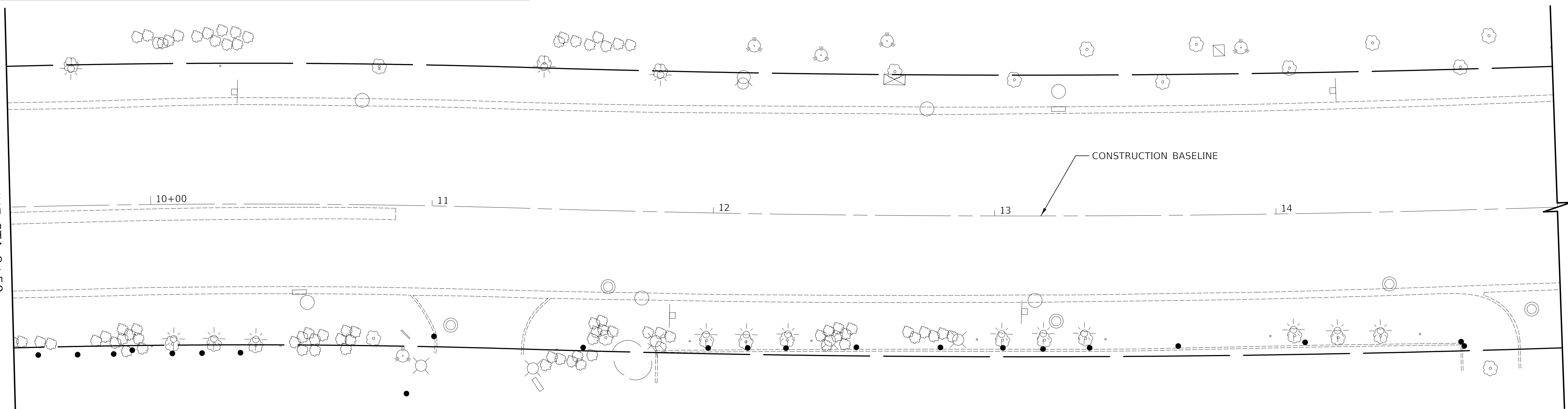
EXISTING US ROUTE 41 (SKOKIE BOULEVARD)

LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- DRIVEWAY REMOVAL
- PAVEMENT REMOVAL
- TREE PROTECTION (SEE EROSION CONTROL AND LANDSCAPING PLANS)
- SIDEWALK REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- MEDIAN REMOVAL PARTIAL DEPTH
- CLASS D PATCHES, 12 INCH (SPECIAL)

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

MATCH LINE STA 9+50
SEE SHEET NO 22



PROPOSED US ROUTE 41 (SKOKIE BOULEVARD)

NOTE:

1. SEE DRIVEWAY DETAILS ON SHEETS 36 THROUGH 38
2. SEE CURB RAMP DETAILS ON SHEETS 39 THROUGH 42

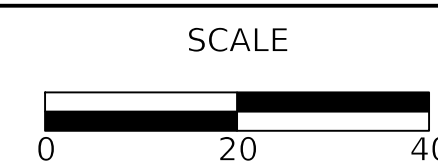
MODEL: SPODELINAMES
FILE NAME: ...13663 PP.dgn



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**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
ROADWAY PLAN**

SHEET 7 OF 7 SHEETS STA 9+50.00 TO STA 15+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	25
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

CONSTRUCTION SEQUENCE

- INSTALL AND ACTIVATE TEMPORARY SIGNAL.
- PLACE CONSTRUCTION SIGNS NECESSARY.
- LINE WATERMAIN. DAILY LANE CLOSURES SHALL BE ALLOWED FOR THIS WORK BETWEEN THE HOURS OF 9:00 AM TO 3:00 PM IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701601 AND 701701. AT THE DIRECTION OF THE ENGINEER, A LANE CLOSURE MAY OCCUR BETWEEN 6:30 PM AND 6:00 AM IF CONSTRUCTION ACTIVITIES ARE BEING CARRIED OUT. ANY EXCAVATION PITS WITHIN THE ROADWAY SHALL BE COVERED WITH A METAL PLATE PRIOR TO OPENING THE ROAD FOR TRAFFIC. THIS WORK WILL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
- REMOVE CORNER ISLANDS AT THE INTERSECTION OF LAKE AVENUE AND SKOKIE BOULEVARD AND PLACE PCC BASE COURSE SUCH THAT THE TOP OF THE BASE COURSE ELEVATION IS EQUAL TO THE SURROUNDING PAVEMENT.
- CONSTRUCT STORM SEWERS, DRAINAGE STRUCTURES, CURB AND GUTTER, SIDEWALKS, AND DRIVEWAYS.
- MILL EXISTING PAVEMENT AND PERFORM PARTIAL DEPTH REMOVAL ON MEDIANS. MILLING SHALL INCLUDE MILLING THE PCC BASE COURSE AREAS WHERE THE CORNER ISLANDS WERE REMOVED SUCH THAT THE TOP OF THE BASE COURSE ELEVATION WILL MEET THE ELEVATION OF THE SURROUNDING MILLED PAVEMENT. CONSTRUCT ADDITIONAL PATCHES AS DIRECTED BY THE ENGINEER.
- INSTALL PERMANENT TRAFFIC EQUIPMENT.
- COMPLETE LANDSCAPING.
- PLACE HMA SURFACE COURSE.
- PLACE PERMANENT PAVEMENT MARKINGS AND SIGNING.
- REMOVE ALL CONSTRUCTION SIGNS AND OPEN ALL LANES TO TRAFFIC.

PLAN	SURVEYED	DATE
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NOTE BOOK NO.	ALIGNMENT CHECKED	
	ADD FILE NAME	

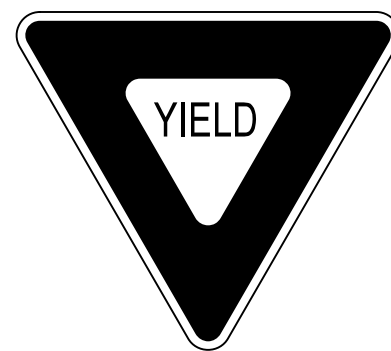
PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	



W20-1103(O)
48"X48"



W21-1(O)
48"X48"

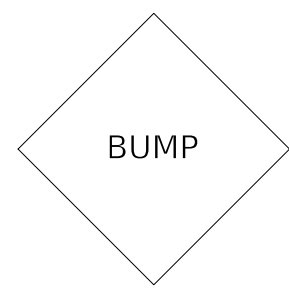


R1-2
48"X48"X48"

THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER ON THE EDENS EXIT RAMP. THE COST SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.



W21-2
48"X48"



W8-1
48"X48"

DATE XX-XX-XX
SPECIAL
9" X 30"

THESE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER. THE COST SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

MAINTENANCE OF TRAFFIC GENERAL NOTES

- TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
- DURING CONSTRUCTION OF PROPOSED IMPROVEMENTS ALONG COOK COUNTY HIGHWAYS, TWO-WAY TRAFFIC SHALL REMAIN OPEN FOR ALL TRAFFIC AT ALL TIMES. IF ANY ACTIVITY REQUIRES ENCROACHMENT INTO A LANE OPEN FOR TRAFFIC, THAT ACTIVITY SHALL BE RESTRICTED TO WITHIN THE HOURS OF 9:00 A.M. TO 3:00 P.M. FOLLOWING THE APPLICABLE IDOT AND IDOT-DISTRICT 1 TRAFFIC CONTROL STANDARDS INCLUDED IN THE PLANS FOR OFF-ROAD AND ON-ROAD APPLICATIONS.
- THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- ALL CONSTRUCTION SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.
- ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.
- DRUMS WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS. SPACING SHALL BE AS SHOWN ON THE HIGHWAY STANDARDS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
- DRUMS SHALL BE PLACED AT 50' C-C ALONG TANGENTS, 10' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS.
- TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH APPLICABLE HIGHWAY STANDARDS UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
- THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE.
- EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED. ANY DAMAGE CAUSED BY THE CONTRACTOR'S WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.
- "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT FOR MORE THAN ONE HOUR. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.
- "FRESH OIL" SIGNS (W21-2-4848) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO TACKING. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
- THE CONTRACTOR SHALL ERECT TEMPORARY STREET NAME SIGNS ON METAL POSTS THROUGHOUT CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
- EXISTING TRAFFIC CONTROL DEVICES ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE CAUSED BY HIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- PCMS BOARDS SHALL BE INSTALLED AT A LOCATION APPROVED BY THE ENGINEER AT LEAST 7 DAYS IN ADVANCE OF THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES FOR ADVANCED NOTIFICATION TO THE PUBLIC. THE MESSAGE SHALL BE DETERMINED BY THE ENGINEER. MESSAGES SHALL BE UPDATED AS REQUIRED BY THE ENGINEER.
- ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES, AND SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
- THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, DRUMS, WARNING LIGHTS, AND SIGNS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
- QUANTITIES FOR SHORT-TERM PAVEMENT MARKINGS AND SHORT-TERM PAVEMENT MARKING REMOVAL SHALL BE MEASURED SEPARATELY FOR PAYMENT.
- ANY LANE CLOSURE FOR EAST BOUND LAKE AVENUE SHALL BE SET UP WEST OF THE EDENS EXIT RAMP SUCH THAT THE EAST BOUND LAKE AVENUE TRAFFIC MERGE OCCURS WEST OF THE RAMP AND ONLY A SINGLE TRAVEL LANE IS ADJACENT TO THE RAMP.

- WESTBOUND LAKE AVENUE LANE CLOSURES SHALL OCCUR EAST OF THE INTERSECTION OF US ROUTE 41 (SKOKIE BOULEVARD) AND TAPERS SHALL NOT FALL WITHIN THE LIMITS OF SIGNALIZED INTERSECTIONS.
- CONSTRUCTION OF THIS PROJECT IS ALONG A HEAVILY TRAVELLED ROUTE WITH SEVERAL ACCESS POINTS THAT NEED TO BE MAINTAINED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL ENSURE THAT WORK OPERATIONS DO NOT OBSTRUCT LINES OF SIGHT REQUIRED FOR DRIVERS TO MAKE TURNING MOVEMENTS SAFELY. THE ENGINEER MAY REQUIRE ADDITIONAL FLAGGERS BE PRESENT TO SAFELY NAVIGATE DRIVERS THROUGH AND AROUND CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE CONTRACT.
- LANE CLOSURES AND CONFIGURATIONS MUST NOT IMPEDE SAFE AND UNOBSTRUCTED TURNING MOVEMENTS AT INTERSECTIONS AND DRIVEWAYS. IF OPERATIONS CREATE UNSAFE TURNING CONDITIONS AS DETERMINED BY THE ENGINEER, THE ENGINEER MAY REQUIRE ADDITIONAL FLAGGERS BE PRESENT TO SAFELY NAVIGATE DRIVERS THROUGH AND AROUND CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE CONTRACT.
- ANY SUPPLEMENTAL SIGNAGE NOT INCLUDED IN THE HIGHWAY STANDARDS THAT IS IDENTIFIED AND REQUIRED BY THE ENGINEER BASED ON UNIQUE PROJECT CONDITIONS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

ACCESS MAINTENANCE NOTES

MAINTAINING ACCESS TO DRIVEWAYS IS OF THE UTMOST IMPORTANCE TO THE VILLAGE. ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUB-STAGING THE CONSTRUCTION OF DRIVEWAYS. THE CONTRACTOR SHALL FOLLOW THESE PROCEDURES TO ENSURE PROPER DRIVEWAY ACCESS AS DIRECTED BY THE ENGINEER:

- THE CONTRACTOR SHALL WORK WITH ADJACENT BUSINESS OWNERS AND THE VILLAGE TO DETERMINE DRIVEWAY RECONSTRUCTION SCHEDULING. ALL DRIVEWAY CLOSURES SHALL BE APPROVED BY THE ENGINEER.
- THE WIDTH OF THE DRIVE SHALL BE DETERMINED BY THE ENGINEER. THE CONTRACTOR SHALL NOTE THAT THE TEMPORARY DRIVEWAY WIDTH MAY EXCEED THE WIDTH OF THE EXISTING DRIVEWAY.

THE COST OF PLACING, MAINTAINING AND REMOVING TEMPORARY DRIVES SHALL BE INCLUDED IN THE COST OF "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)".

- ALL BARRICADES REQUIRED TO SUB-STAGE DRIVEWAY CONSTRUCTION AND MAINTAIN ACCESS TO DRIVEWAYS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

SIDEWALK MAINTENANCE NOTE

- THE SIDEWALK OR BIKE PATH ON ONE SIDE OF THE STREET MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES. CONSTRUCTION STAGING SHALL BE COORDINATED WITH THE ENGINEER AND CONTRACTOR TO ENSURE ONE SIDEWALK REMAINS OPEN. SIGNING DIRECTING PEDESTRIANS TO THE OPEN SIDEWALK SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701801. THE WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

CONSTRUCTION REQUIREMENTS

- ALL WORK SHALL BE IN ACCORDANCE WITH IDOT'S SAFETY ENGINEERING POLICY MEMORANDUM, SAFETY 4-21. "UNEVEN LANE" SIGNS (W8-1-4848) SHALL BE PLACED AT THE INTERVALS REQUIRED BY THE ENGINEER WHEN TRAFFIC IS ON PAVEMENT WITHOUT SURFACE COURSE AND ADJACENT TO SURFACED PAVEMENT. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
- "UNEVEN LANE" SIGNS (W8-1(O)-4848) SHALL BE PLACED AT THE INTERVALS REQUIRED BY THE ENGINEER WHEN TRAFFIC IS ADJACENT TO THE MILLED SURFACE. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION PAY ITEM BEING USED AT THE TIME THE SIGNS ARE REQUIRED.
- "ROUGH GROOVED SURFACE" SIGNS (W8-1107(O)) SHALL BE USED WHEN THE ROAD HAS BEEN COLD MILLED AND OPEN TO TRAFFIC. THE SIGNS SHALL REMAIN IN PLACE UNTIL THE MILLED SURFACE CONDITIONS NO LONGER EXISTS. THESE SIGNS SHALL BE ERECTED A MINIMUM OF 500 FEET PRECEDING THE START OF THE MILLED PAVEMENT AND ON ALL SIDE ROADS WITHIN THE POSTED AREA. THE SIGNS ON THE SIDE ROADS SHALL BE POSTED 200 FEET FROM THE MAINLINE PAVEMENT. ALL SIGNS SHALL HAVE AN 18"x18" ORANGE FLAG AND AMBER FLASHING LIGHTS ATTACHED. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

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Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JMG	REVISED -	1/19/2023
DRAWN -	JRR	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	11/28/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
MAINTENANCE OF TRAFFIC GENERAL NOTES**

SHEET 1 OF 2 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	26
CONTRACT NO 61J16				
ILLINOIS		FED AID PROJECT		

SOIL EROSION & SEDIMENT CONTROL STANDARD NOTES

THE FOLLOWING EROSION AND SEDIMENT CONTROL NOTES APPLY TO BEST MANAGEMENT PRACTICES DURING ALL PHASES OF CONSTRUCTION AS DIRECTED BY THE RESIDENT ENGINEER.

ADDITIONAL NOTES MAY BE FOUND ON THE SOIL EROSION AND SEDIMENT CONTROL PLANS.

FOR ALL PROJECTS THE ENGINEER WILL INSPECT ALL TEMPORARY AND PERMANENT EROSION CONTROL STRUCTURES WEEKLY AND AFTER EACH 1/2 INCH OR MORE RAINSTORM EVENT AND INFORM AND DIRECT THE CONTRACTOR TO REPAIR / REPLACE ALL EROSION CONTROL MATERIALS / STRUCTURES PROMPTLY AS NEEDED.

ONCE CONSTRUCTION IN A DISTURBED AREA HAS BEEN COMPLETED, PERMANENT STABILIZATION MEASURES WILL BE IMPLEMENTED WITHIN SEVEN DAYS.

ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY.

FOR PROJECTS DISTURBING ONE ACRE OR MORE OF SOIL, THE SOIL AND WATER CONSERVATION DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND ONE WEEK PRIOR TO FINAL INSPECTION PER NPDES REQUIREMENTS.

WHEN OPERATING UNDER AN ACOE PERMIT, A STAMPED AND SIGNED COPY OF THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES AND BE PRESENTED WHEN REQUESTED BY THE SWCD, U.S. ARMY CORPS OF ENGINEERS OR ANY OTHER AUTHORIZED AGENCY.

TOPSOIL

SUITABLE TOPSOIL AS DESCRIBED IN SECTION 211 SHALL BE USED. ORGANIC CONTENT SHALL BE NOT LESS THAN 1.5% BY WEIGHT AND PH RANGE FROM 6.0-7.5.

IF TOPSOIL IS TO BE STOCKPILED AT THE SITE, A LOCATION SHALL BE SELECTED SO THAT IT WILL NOT ERODE, BLOCK DRAINAGE, OR INTERFERE WITH WORK ON THE SITE AND SHALL BE APPROVED BY THE ENGINEER. LOCATIONS SHALL BE DISCUSSED AND DETERMINED AT THE PRE-CONSTRUCTION CONFERENCE.

ALL STOCKPILES SHALL BE IMMEDIATELY PROTECTED WITH SILT FENCE/ PERIMETER BARRIER. TEMPORARY SEEDING OF STOCKPILES SHALL BE COMPLETED WITHIN 7 DAYS OF FORMATION OF STOCKPILE IF IT IS TO REMAIN UNDISTURBED FOR LONGER THAN 30 DAYS. PERMANENT SEEDING OF STOCKPILE SHALL BE COMPLETED WITHIN 7 DAYS OF FORMATION OF STOCKPILE IF IT IS TO REMAIN UNDISTURBED FOR MORE THAN 12 MONTHS.

ADDITIONAL TOPSOIL FROM OUTSIDE THE R.O.W. SHALL BE APPROVED BY THE ENGINEER PRIOR TO ITS USE PROVIDED THAT THE MATERIAL MEETS THE REQUIREMENTS DESCRIBED ABOVE FOR TOPSOIL.

TREE PROTECTION

THE CONTRACTOR SHALL USE EXTREME CAUTION NOT TO DISTURB ANY TREES WITHIN THE PARKWAY AREAS. ALL METHODS OF TREE PROTECTION SHALL BE APPROVED BY THE ENGINEER.

IF PROTECTIVE FENCE IS TO BE USED, THE FENCE SHALL BE LOCATED OUTSIDE THE DRIP LINE OF THE TREE TO BE SAVED AND IN NO CASE CLOSER THAN 5 FEET FROM THE TRUNK OF ANY TREE.

FENCE POSTS SHALL BE EITHER STANDARD MINIMUM CROSS SECTIONAL AREA OF 3.0 INCH STEEL POSTS OR WOOD POSTS.

THE FENCE MAY BE EITHER 48 INCH HIGH SNOW FENCE, 48 INCH PLASTIC WEB FENCING OR ANY OTHER MATERIAL AS APPROVED BY THE ENGINEER/INSPECTOR.

SODDING/ PERMANENT SEEDING

PERMANENT SEEDING SHALL BE PLACED IN ACCORDANCE WITH SECTION 250.

SODDING SHALL BE PLACED IN ACCORDANCE WITH SECTION 252.

PRIOR TO SOD PLACEMENT, AREAS TO BE SODDED SHALL BE BROUGHT TO FINAL GRADE. ANY IRREGULARITIES IN SOIL SURFACE SHALL BE FILLED OR SHAPED TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.

SOD SHALL BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 48 HOURS.

AS SODDING OF DEFINED AREAS IS COMPLETED, SOD SHALL BE TAMPED OR ROLLED TO PROVIDE FIRM CONTACT BETWEEN ROOTS AND SOIL, FILL ANY GAPS BETWEEN EDGES OR ENDS OF SOD MATS WITH GOOD SOIL AND ROLL.

AFTER ROLLING IS COMPLETE SOD SHALL BE IRRIGATED AT THE RATE THAT DOES NOT RESULT IN RUNOFF. SUPPLEMENTAL WATERING HAS BEEN PROVIDED IN THE EVENT OF PERIODS EXCEEDING 80 DEGREES FAHRENHEIT OR SUBNORMAL RAINFALL.

TEMPORARY CONCRETE WASHOUT FACILITY

TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 4 INCHES FOR ABOVE GRADE FACILITIES AND 12 INCHES FOR BELOW GRADE FACILITIES. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.

EXISTING FACILITIES MUST BE CLEANED OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS TWO -THIRDS FULL.

TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED FOR DAMAGE (E.G. TEARS IN PLASTIC LINER, MISSING SAND BAGS, ETC.). DAMAGED FACILITIES SHALL BE REPAIRED PROMPTLY.

DEWATERING

DEWATERING MEASURES SHALL COMPLY WITH THE ILLINOIS URBAN MANUAL. DURING DEWATERING, ALL SEDIMENT-LADEN WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS SYSTEMS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING DISCHARGED. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE MUST BE PROVIDED. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.

PERIMETER EROSION BARRIER/ SILT FENCE

PERIMETER EROSION BARRIER/ SILT FENCE SHALL BE INSTALLED AND FUNCTIONING PROPERLY PRIOR TO ANY EARTHWORK ACTIVITIES IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.

FABRIC FILTER MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 1080.02 MATERIAL STANDARD.

TEMPORARY DITCH CHECKS

DITCH CHECKS SHOULD BE PLACED AS SHOWN ON THE PLANS AND INSTALLED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL. ROLLED EXCELSIOR, TRIANGULAR GEOTEXTILE, OR STONE AGGREGATE MAY BE USED AS TEMPORARY DITCH CHECKS.

FOR STONE AGGREGATE DITCH CHECKS, FABRIC MATERIAL SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO PLACING THE ROCK AND SHALL MEET THE REQUIREMENTS OF SECTION 1080.02.

FOR ADDED STABILITY, THE BASE OF ALL DITCH CHECKS MAY BE KEYED 6 INCHES INTO THE SOIL.

STRAW BALES SHALL NOT BE USED AS TEMPORARY DITCH CHECKS IN COOK COUNTY PER SOIL WATER CONSERVATION DISTRICT REQUIREMENTS.

THE UNIT PRICE FOR TEMPORARY DITCH CHECKS INCLUDES THE COST OF REPLACEMENT DITCH CHECKS. WHEN A REPLACEMENT DITCH CHECK IS NEEDED AT ANY LOCATION CALLED FOR ON THE PLAN IT WILL NOT BE PAID FOR SEPARATELY.

THE BEST MANAGEMENT PRACTICES ARE TEMPORARY AND SHALL BE REMOVED WHEN THEY ARE NO LONGER REQUIRED OR WHEN PERMANENT MEASURES ARE INSTALLED.

EROSION CONTROL BLANKET

A QUANTITY OF EROSION CONTROL BLANKET HAS BEEN PROVIDED AND SHALL BE USED TO PROTECT ALL AREAS WITH SLOPES EQUAL TO OR GREATER THAN 3H:1V AND IN CRITICAL AREAS (I.E. DETENTION BASIN PERIMETERS, STREAM BANKS, BERMS, ETC.) IMMEDIATELY UPON FINAL GRADING UNTIL STABILIZED WITH SODDING.

TYPE OF BLANKET SHALL BE APPROVED BY THE ENGINEER AND INSTALLED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL. THE USE OF EROSION CONTROL BLANKET CONTAINING GREEN DYE IS NOT ACCEPTABLE PER SOIL AND WATER CONSERVATION DISTRICT REQUIREMENTS.

THE BLANKET WILL BE IN FIRM CONTACT WITH THE SOIL. IT SHALL BE ANCHORED PER MANUFACTURER'S RECOMMENDATION WITH THE PROPER NUMBER AND SPACING OF WIRE STAPLES WHOSE LENGTH AND HEIGHT MEET MANUFACTURER'S RECOMMENDATION.

EROSION CONTROL BLANKET SHALL BE LOOSELY PLACED OVER GROUND SURFACE AND STAPLED. DO NOT STRETCH MATERIAL.

THE BLANKET WILL BE UNROLLED UPSTREAM TO DOWNSTREAM PARALLEL TO THE DIRECTION OF FLOW IN THE CHANNEL AND PERPENDICULAR TO THE FLOW ON THE SLOPES. THE UPSTREAM END OF EACH BLANKET SHALL BE ANCHORED IN A MINIMUM 6 INCH ANCHOR TRENCH. THESE BLANKETS WHEN LAID SIDE BY SIDE SHALL OVERLAP A MINIMUM OF 4 INCHES. BLANKETS SHALL OVERLAP 12 INCHES AT THE DOWNSTREAM ENDS.

INLET AND PIPE PROTECTION / INLET FILTERS

INLET AND PIPE PROTECTION AND INLET FILTERS SHALL BE INSTALLED AND FUNCTIONING PROPERLY PRIOR TO ANY EARTHWORK ACTIVITIES IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL SITE STABILIZATION.

INLET FILTERS SHALL BE USED FOR ALL CATCH BASINS AS SHOWN ON THE PLANS AND AT ANY LOCATION DEEMED NECESSARY BY THE ENGINEER.

FABRIC DROP/SILT FENCE INLET PROTECTION SHALL BE USED FOR UPSTREAM FLARED END SECTIONS AND SHALL CONFORM TO THE CURRENT IDOT HIGHWAY STANDARDS FOR TEMPORARY EROSION CONTROL SYSTEMS EXCEPT STRAW BALES SHALL NOT BE USED.

THE STAKES SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET A MINIMUM OF 3 FEET APART, AND SECURELY DRIVEN INTO THE GROUND APPROXIMATELY 18 INCHES DEEP.

THE SILT FENCE SHOULD BE BACK FILLED WITH CRUSHED STONE OR COMPACTED SOIL AS SHOWN ON THE DETAIL FOR SILT FENCE.

SEDIMENT SHOULD BE REMOVED WHEN IT HAS ACCUMULATED TO ONE HALF THE HEIGHT OF THE INLET FILTER, INLET PIPE PROTECTION, OR DITCH CHECK AND WILL BE PAID FOR AS EARTH EXCAVATION FOR EROSION CONTROL.

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

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Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JMG	REVISED -	12/23/2022
DRAWN -	JRR	REVISED -	1/19/2023
CHECKED -	KRK	REVISED -	
DATE -	11/28/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
SOIL EROSION AND SEDIMENT CONTROL NOTES**

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	27
CONTRACT NO 61J16				
ILLINOIS		FED AID PROJECT		

SHEET 1 OF 1 SHEETS

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	ALIGNMENT CHECKED	
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	GRADES CHECKED	
	NOTE BOOK	
	NO.	

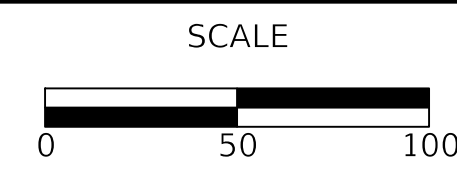
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Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
EROSION CONTROL AND LANDSCAPING PLANS

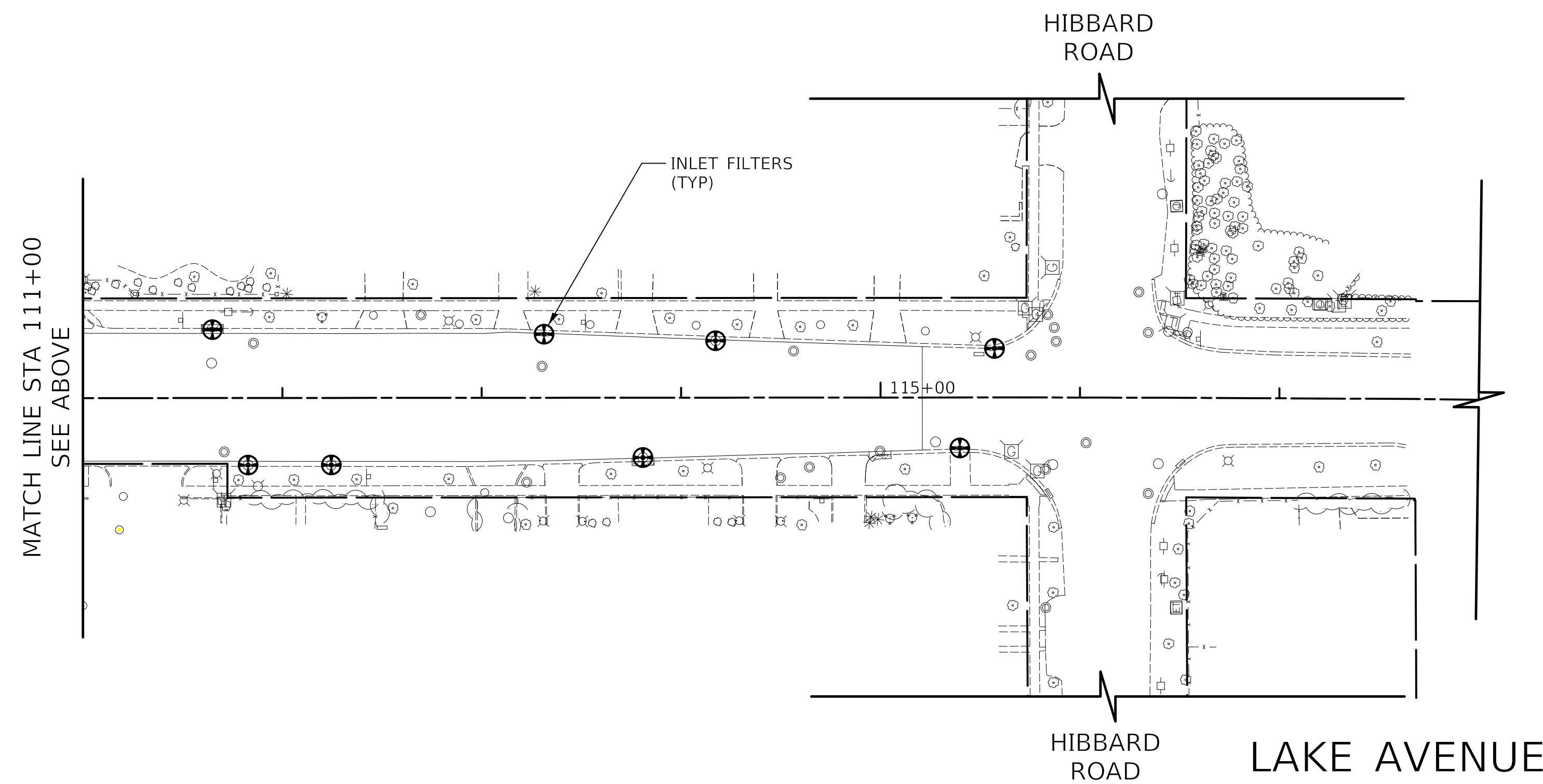
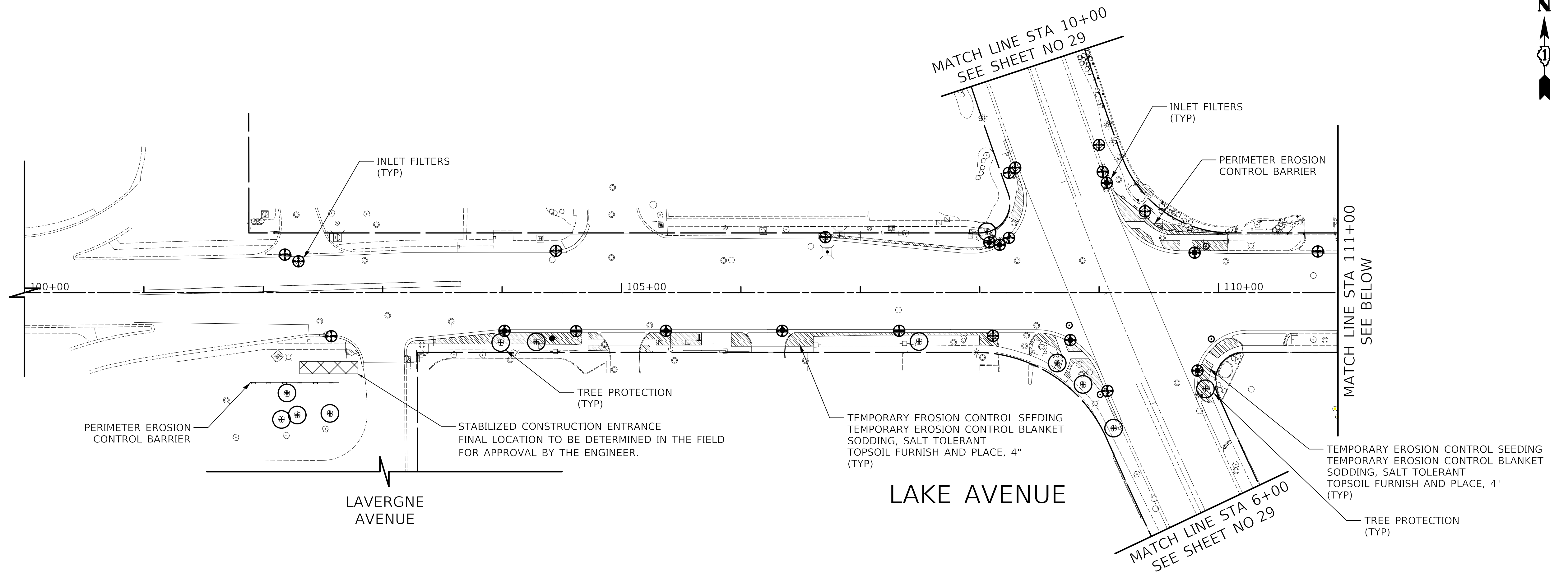
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FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	28
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

- NOTE:
- CONTRACTOR SHALL CREATE A SPADE EDGE AT SODDED AREA ABUTTING THE MULCH RING OF EACH TREE.
 - CONTRACTOR SHALL NOTIFY THE ENGINEER TO SCHEDULE A WALK THROUGH 48 HOURS PRIOR TO EXECUTION OF ANY TREES RECEIVING TREE TRUNK PROTECTION, TREE PRUNING AND/OR TREE ROOT PRUNING. WORK SHALL BE DIRECTED BY THE ENGINEER.

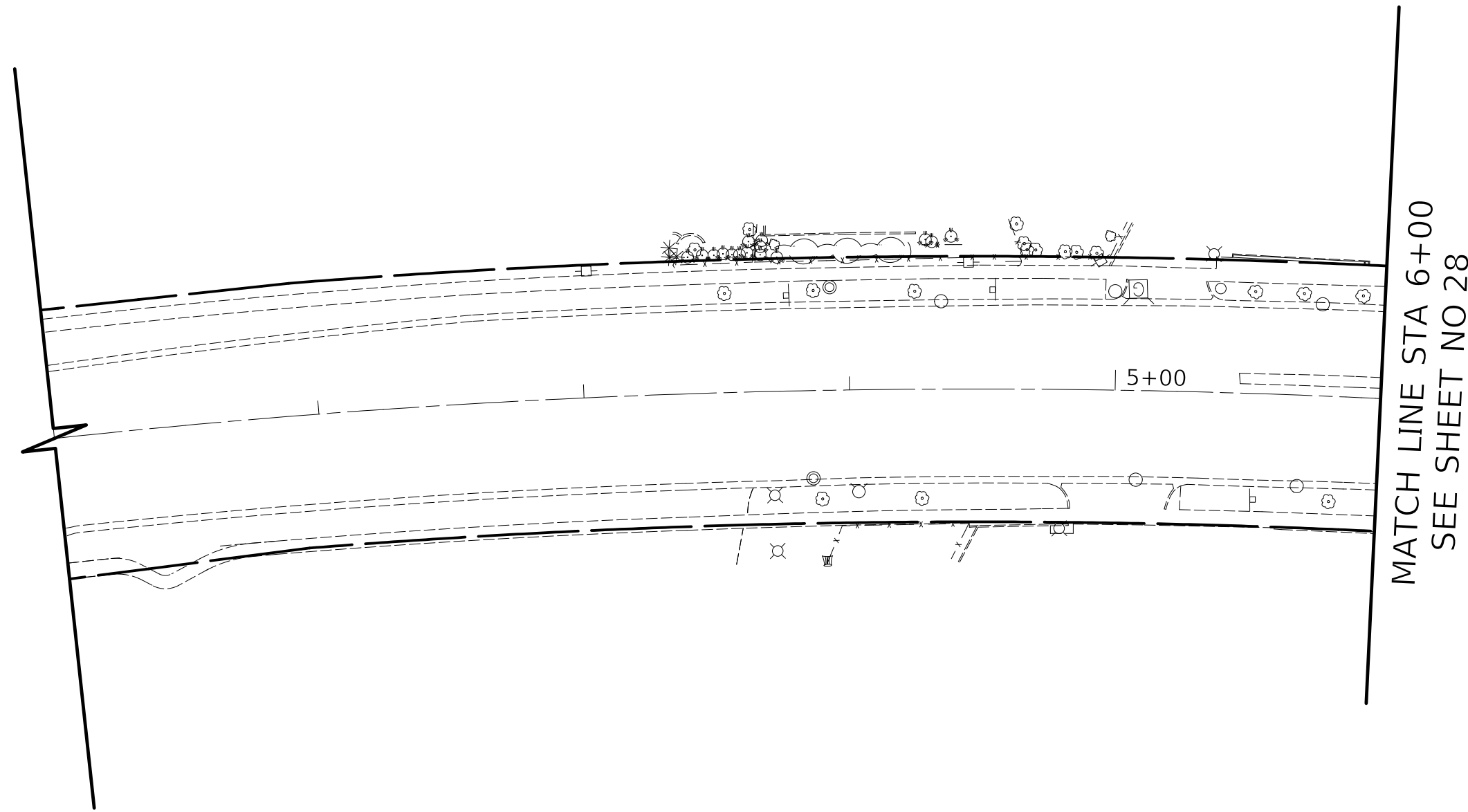
LEGEND

- EXISTING TREES
- TEMPORARY EROSION CONTROL SEEDING
TEMPORARY EROSION CONTROL BLANKET
SODDING, SALT TOLERANT
TOPSOIL FURNISH AND PLACE, 4"
- INLET FILTERS
- TREE PROTECTION: PAID BY THE FOLLOWING
TREE TRUNK PROTECTION,
TREE PRUNING, AND/OR
TREE ROOT PRUNING
- PROPOSED PERIMETER EROSION CONTROL BARRIER

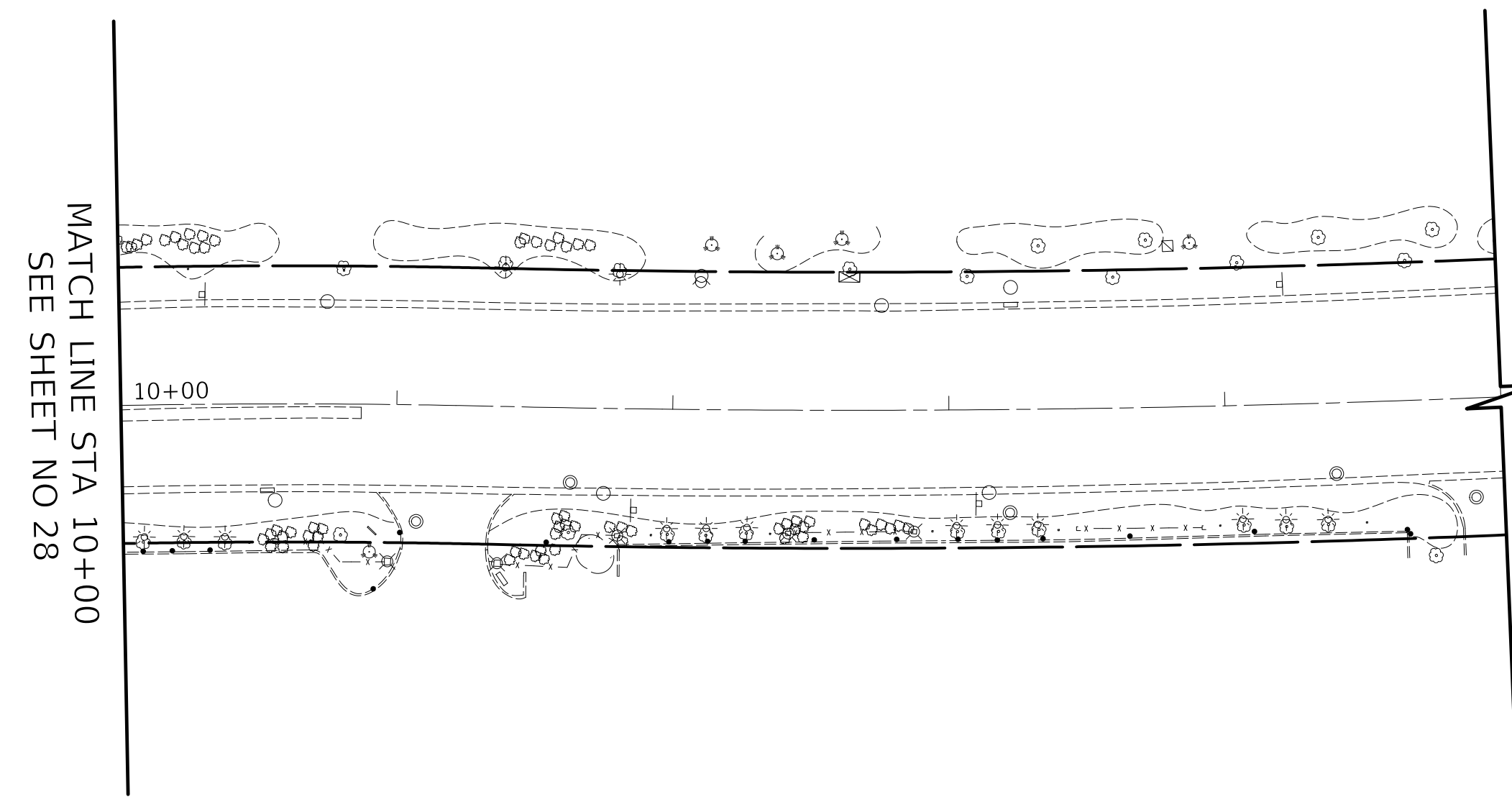


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	STRUCTURE NOTATIONS CHECKED		
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US ROUTE 41 (SKOKIE BOULEVARD)



US ROUTE 41 (SKOKIE BOULEVARD)

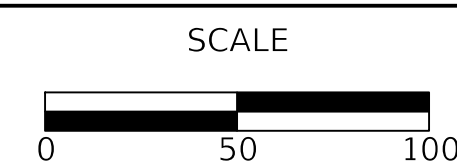
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Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
EROSION CONTROL AND LANDSCAPING PLANS

SHEET 2 OF 2 SHEETS STA 1+00.00 TO STA 15+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	29
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				



1 STA 102+11.9, 53.4' RT
VV TA 5 DIA T1F CL
WATER VALVES 12"
RIM = 625.32

2 STA 102+47.3, 23.9' RT
FILLING VALVE VAULTS

3 STA 103+04.2, 19.0' RT
WATER SERVICE CONNECTION
REMOVE EXISTING WATER VALVE
WATER VALVES 10"

4 STA 103+57.4, 24.0' RT
WATER SERVICE CONNECTION
REMOVE EXISTING WATER VALVE
WATER VALVES 6"

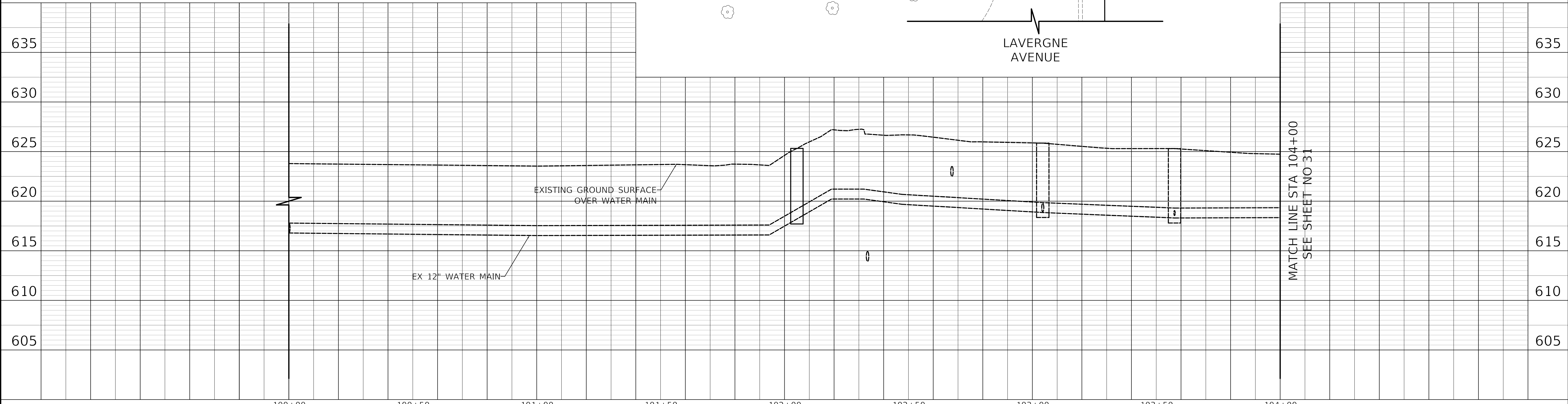
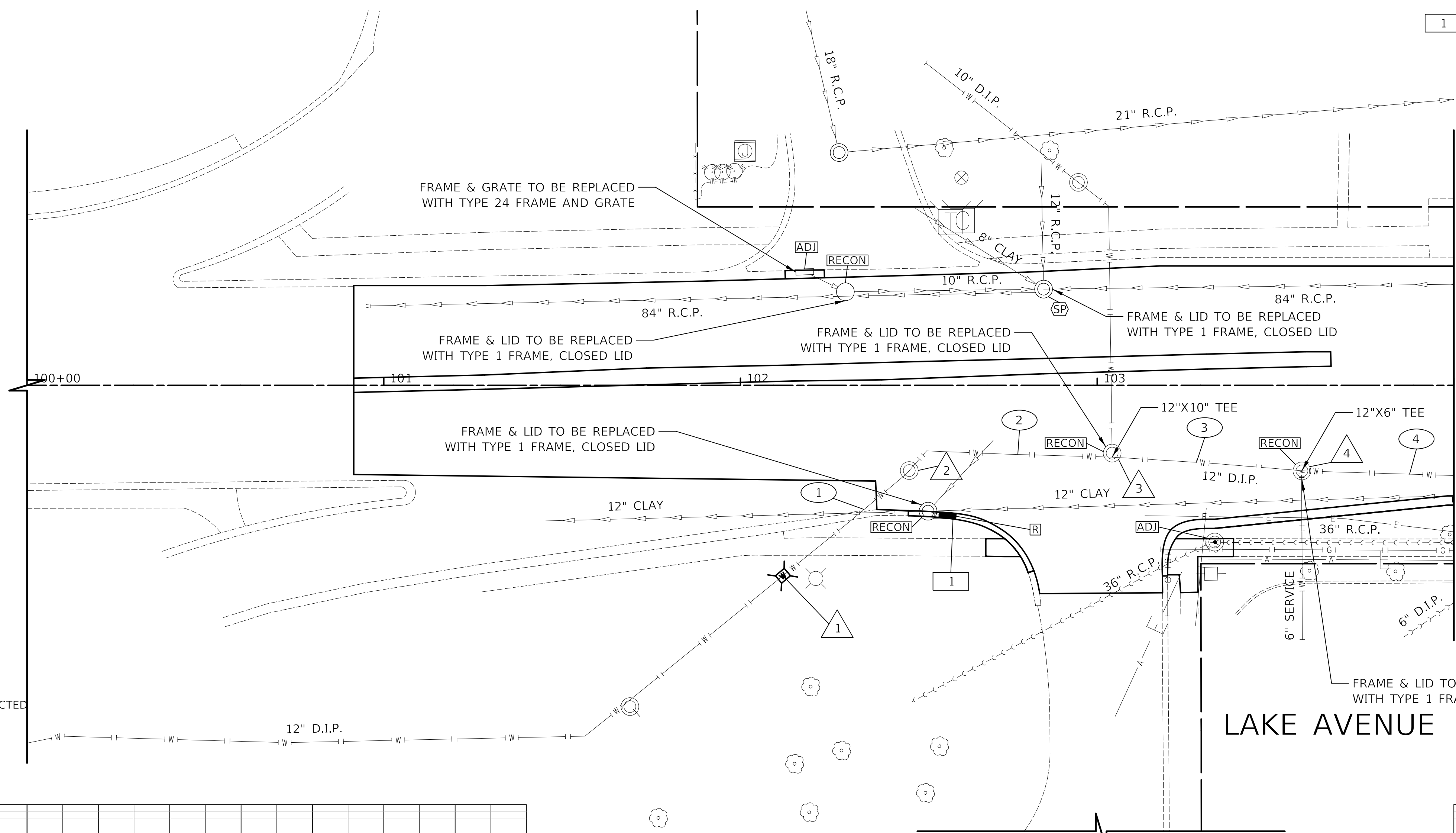
1 STA 102+58.4, 35.7' RT
INLETS TA T1F&G
RIM = 626.05
INV = 623.30 (EX. 10" NW)

- 1 55' - CURED-IN-PLACE PIPE (CIPP), 12"
- 2 60' - CURED-IN-PLACE PIPE (CIPP), 12"
- 3 54' - CURED-IN-PLACE PIPE (CIPP), 12"
- 4 424' - CURED-IN-PLACE PIPE (CIPP), 12"

PLAN	SURVEYED	DATE
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	ALIGNMENT CHECKED	
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PROFILE	SURVEYED	DATE
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	NOTE BOOK	
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	STRUCTURE NOTATION CHPKD	

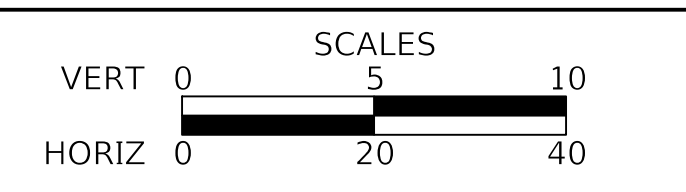
- LEGEND**
- RECON DRAINAGE AND UTILITY STRUCTURE TO BE RECONSTRUCTED
 - ADJ DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
 - R DRAINAGE AND UTILITY STRUCTURE TO BE REMOVED
 - SP FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)



CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
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DRAWN -	JRR	REVISED -	1/19/2023
CHECKED -	KRK	REVISED -	
DATE -	11/28/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
DRAINAGE AND UTILITIES**

SHEET 1 OF 5 SHEETS STA 100+00.00 TO STA 104+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	30
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

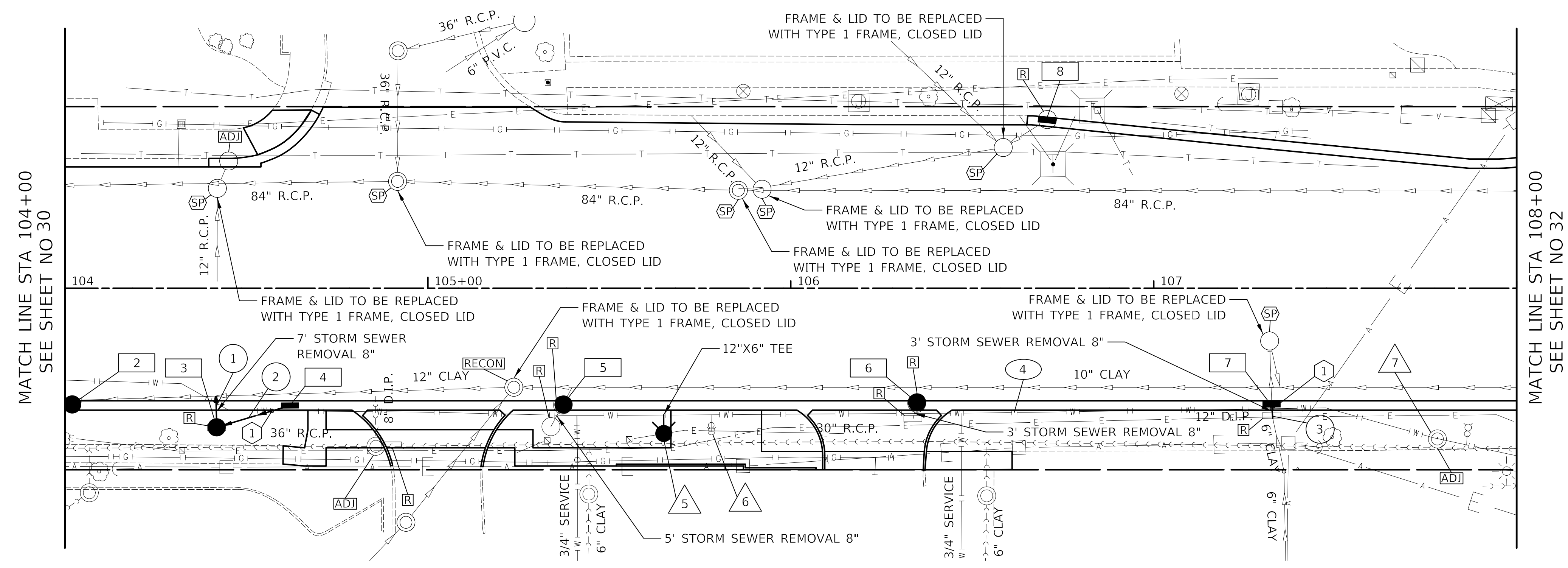
MATCH LINE STA 104+00
SEE SHEET NO 31

MATCH LINE STA 104+00
SEE SHEET NO 31



- 2 STA 104+02.0, 32.0' RT
CB TA 4 DIA T24F&G
RIM = 624.61
INV = 615.55 (EX. 12" E)
INV = 615.52 (EX. 12" W)
- 3 STA 104+41.8, 38.3' RT
CB TA 4 DIA T1F CL
RIM = 624.25
INV = 618.40 (8" N)
INV = 622.72 (12" NW)
- 4 STA 104+62.0, 32.0' RT
INLETS TA T24F&G
RIM = 624.41
INV = 623.08 (12" SW)
- 5 STA 105+37.2, 32.0' RT
CB TC T24F&G
RIM = 624.30
INV = 619.00 (EX. 8" NE)
- 6 STA 106+34.6, 32.0' RT
CB TC T24F&G
RIM = 624.04
INV = 620.00 (EX. 8" N)
- 7 STA 107+32.5, 32.0' RT
INLETS TA T24F&G
RIM = 623.75
INV = 621.61 (EX. 8" N)
INV = 622.05 (6" S)
- 8 STA 106+70.4, 44.6' LT
INLETS TA T24F&G
RIM = 623.79
INV = 621.20 (8" SW)

- 1 6' - STORM SEW WM REQ 8
TBF = 5 CU YD
- 2 18' - STORM SEW WM REQ 12
TBF = 1 CU YD
- 3 3' - STORM SEW WM REQ 6
TBF = 1 CU YD
- 4 SEE SHEET NO. 30



- 1 TOP EX WATER MAIN = APPX. 619.39
BOTTOM PR 12" STORM = 623.00
- 2 TOP EX WATER MAIN = APPX. 619.47
BOTTOM PR 6" STORM = 622.06

- 7 STA 107+78.2, 41.5' RT
REMOVE EXISTING WATER VALVE
WATER VALVES 12"

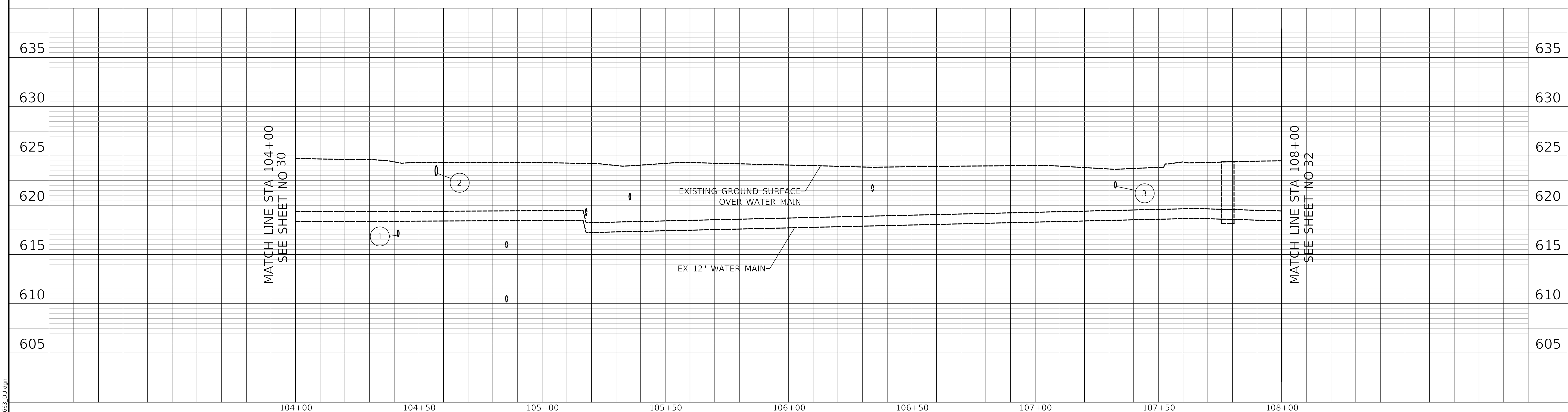
- LEGEND**
- RECON** DRAINAGE AND UTILITY STRUCTURE TO BE RECONSTRUCTED
 - ADJ** DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
 - R** DRAINAGE AND UTILITY STRUCTURE TO BE REMOVED
 - SP** FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

- 5 STA 105+65.0, 40.0' RT
FIRE HYD W/AUX V & VB
(INCLUDES 6" WATER MAIN PIPE)
- 6 STA 105+78.1, 39.4' RT
FIRE HYDRANT TO BE REMOVED

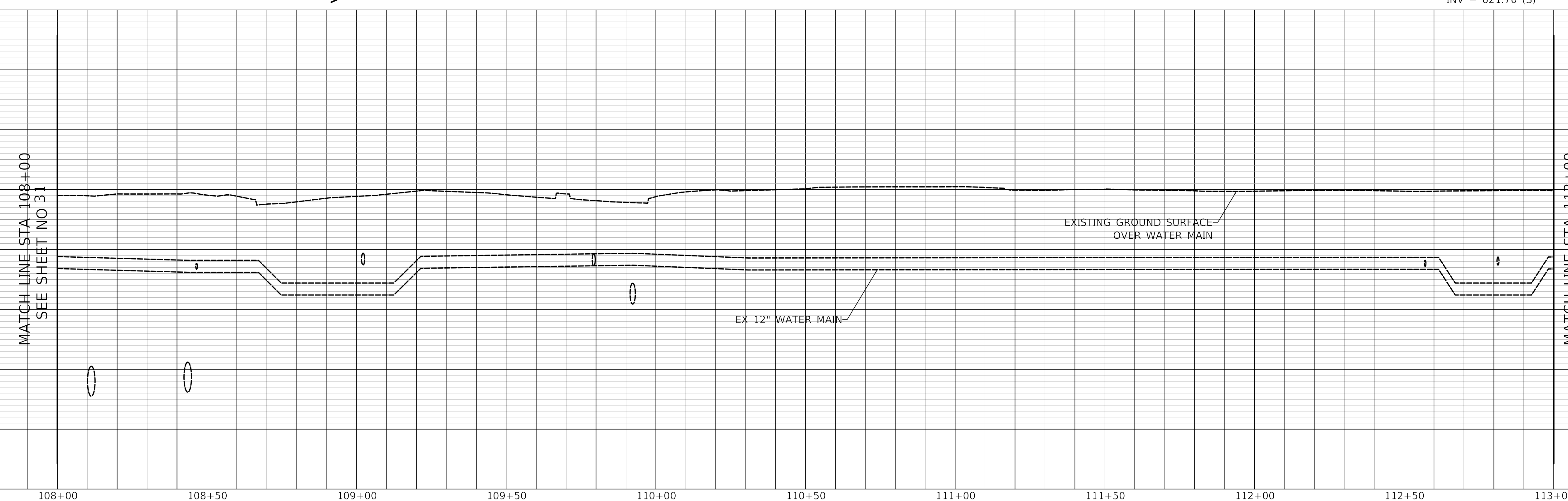
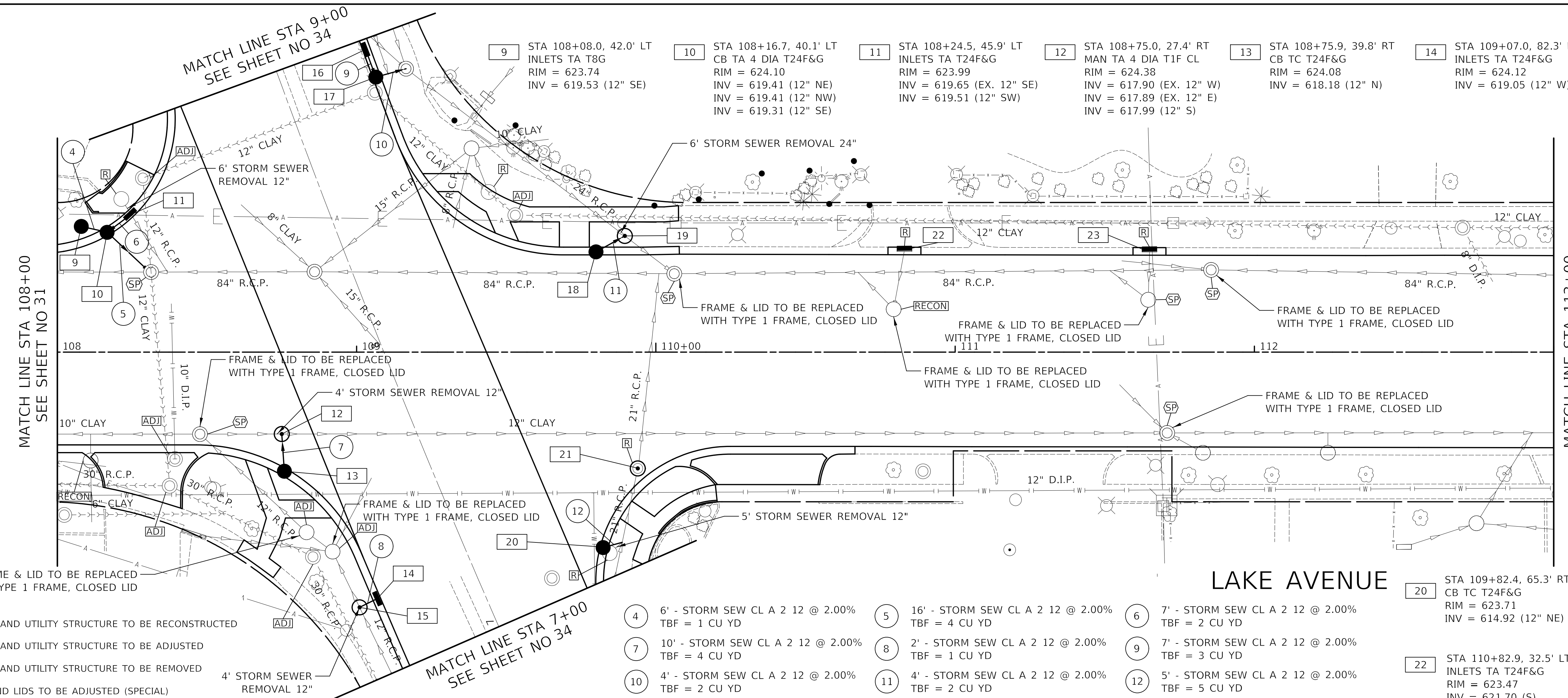
LAKE AVENUE

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
NOTE BOOK	
NO.	
CADD FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK	
NO.	
STRUCTURE NOTATION	



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	SHEET 2 OF 5 SHEETS STA 104+00.00 TO STA 108+00.00						ILLINOIS FED AID PROJECT	



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	

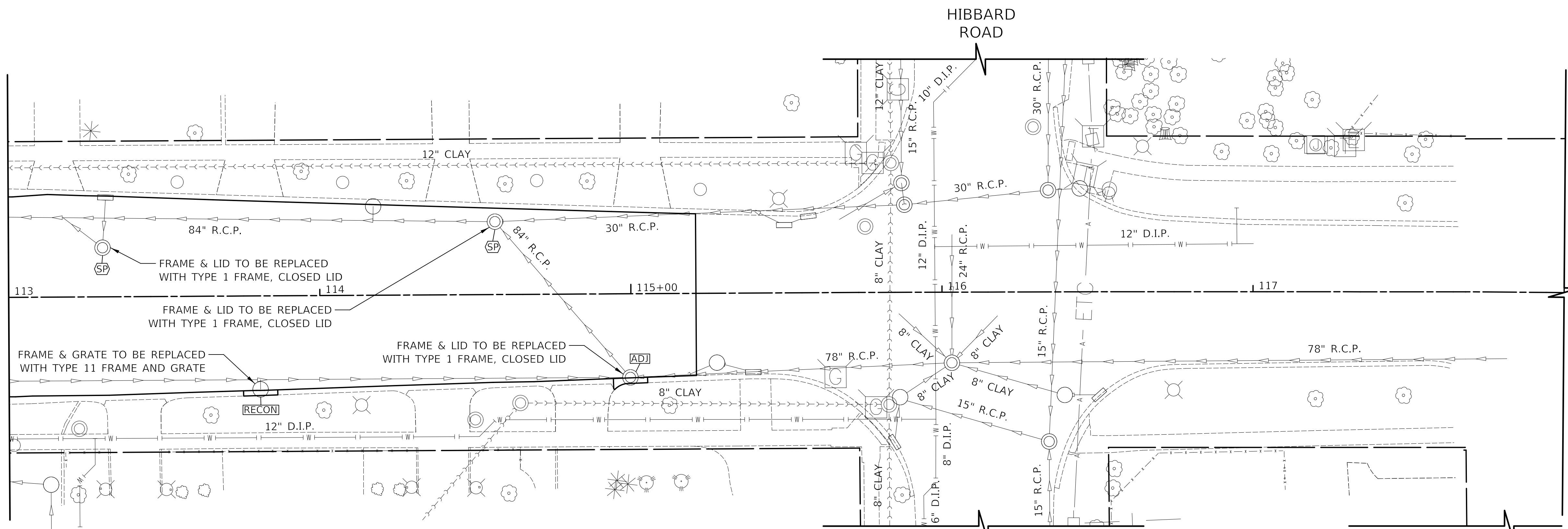
- LEGEND**
- RECON DRAINAGE AND UTILITY STRUCTURE TO BE RECONSTRUCTED
 - ADJ DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
 - R DRAINAGE AND UTILITY STRUCTURE TO BE REMOVED
 - SP FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

- 4 6' - STORM SEW CL A 2 12 @ 2.00%
TBF = 1 CU YD
- 5 16' - STORM SEW CL A 2 12 @ 2.00%
TBF = 4 CU YD
- 6 7' - STORM SEW CL A 2 12 @ 2.00%
TBF = 2 CU YD
- 7 10' - STORM SEW CL A 2 12 @ 2.00%
TBF = 4 CU YD
- 8 2' - STORM SEW CL A 2 12 @ 2.00%
TBF = 1 CU YD
- 9 7' - STORM SEW CL A 2 12 @ 2.00%
TBF = 3 CU YD
- 10 4' - STORM SEW CL A 2 12 @ 2.00%
TBF = 2 CU YD
- 11 4' - STORM SEW CL A 2 12 @ 2.00%
TBF = 2 CU YD
- 12 5' - STORM SEW CL A 2 12 @ 2.00%
TBF = 5 CU YD
- 13 STA 108+75.9, 39.8' RT
CB TC T24F&G
RIM = 624.08
INV = 618.18 (12" N)
- 14 STA 109+07.0, 82.3' RT
INLETS TA T24F&G
RIM = 624.12
INV = 619.05 (12" W)
- 15 STA 109+01.0, 85.3' RT
MAN TA 4 DIA T1F CL
RIM = 624.59
INV = 618.90 (EX. 12" SE)
INV = 618.88 (EX. 12" NW)
INV = 618.98 (12" E)
- 16 STA 109+03.0, 101.2' LT
INLETS TA T24F&G
RIM = 623.86
INV = 617.91 (12" SE)
- 17 STA 109+06.4, 91.9' LT
CB TA 4 DIA T24F&G
RIM = 623.82
INV = 617.77 (12" NW)
INV = 617.67 (12" NE)
- 18 STA 109+80.0, 33.5' LT
CB TC T24F&G
RIM = 623.81
INV = 617.48 (12" NE)
- 19 STA 109+89.6, 38.8' LT
MAN TA 6 DIA T1F CL
RIM = 624.16
INV = 617.26 (EX. 24" NW)
INV = 617.24 (EX. 24" SE)
INV = 617.34 (12" SW)
- 20 STA 109+82.4, 65.3' RT
CB TC T24F&G
RIM = 623.71
INV = 614.92 (12" NE)
- 21 STA 109+94.0, 38.9' RT
MAN TA 4 DIA T1F CL
RIM = 624.11
INV = 614.9 (21" NE)
INV = 615.0 (21" SW)
- 22 STA 110+82.9, 32.5' LT
INLETS TA T24F&G
RIM = 623.47
INV = 621.70 (S)
- 23 STA 111+65.0, 32.4' LT
INLETS TA T24F&G
RIM = 623.74
INV = 621.1 (S)



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

MATCH LINE STA 113+00
SEE SHEET NO 32

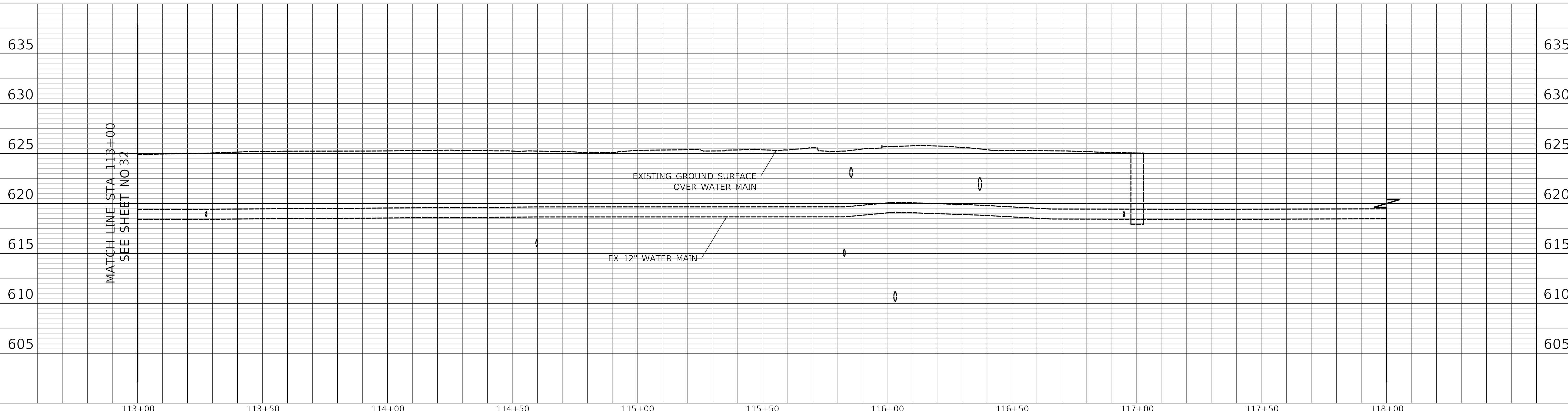


LEGEND

- RECON DRAINAGE AND UTILITY STRUCTURE TO BE RECONSTRUCTED
- ADJ DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
- R DRAINAGE AND UTILITY STRUCTURE TO BE REMOVED
- SP FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION CHPKD	

MATCH LINE STA 113+00
SEE SHEET NO 32

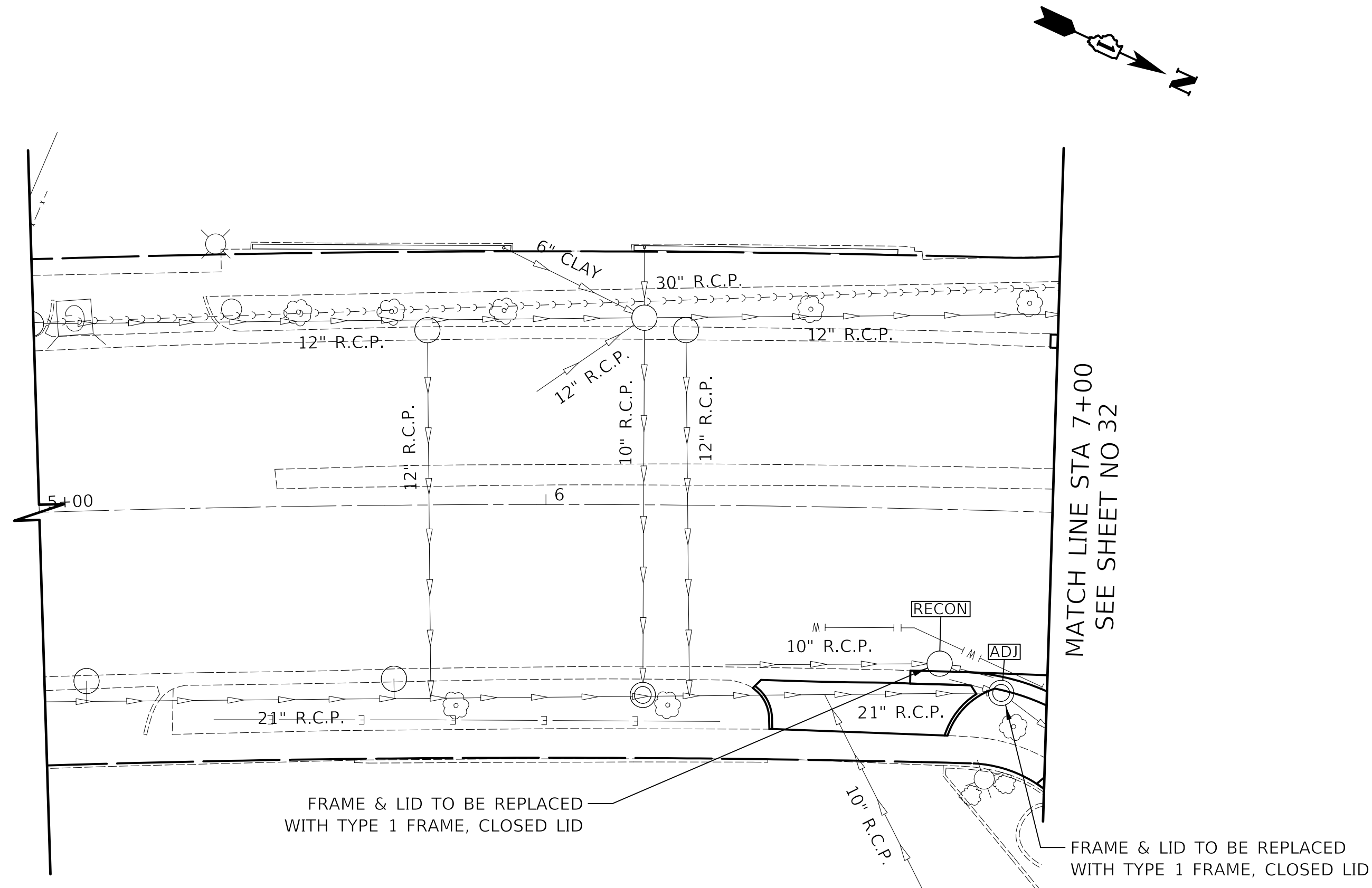


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SHEET 4 OF 5 SHEETS STA 113+00.00 TO STA 118+00.00						ILLINOIS FED AID PROJECT		

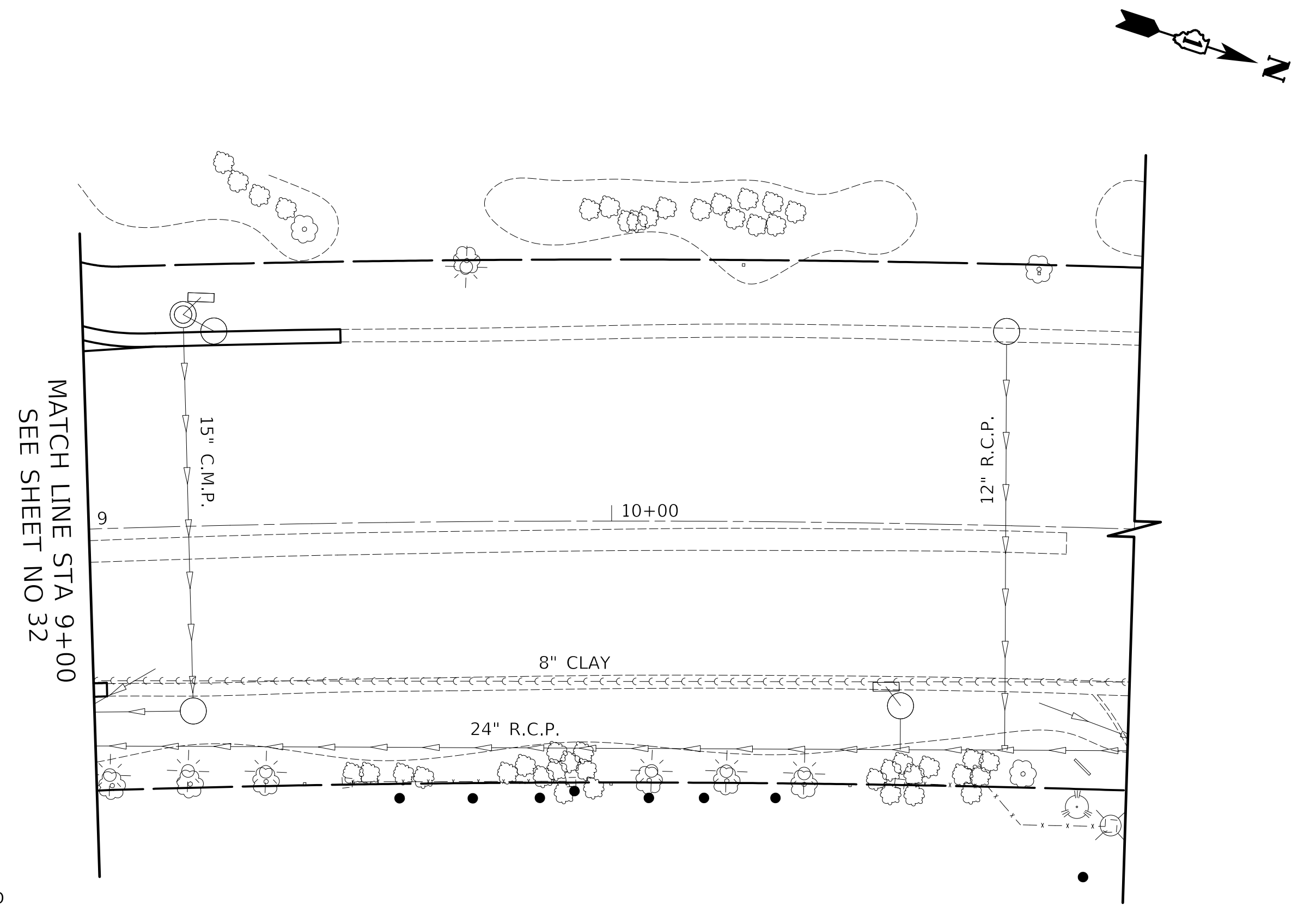
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PLAN	SURVEYED	DATE
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	ALIGNMENT CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

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



US ROUTE 41 (SKOKIE BOULEVARD)



US ROUTE 41 (SKOKIE BOULEVARD)

LEGEND

- [RECON]** DRAINAGE AND UTILITY STRUCTURE TO BE RECONSTRUCTED
- [ADJ]** DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED
- [R]** DRAINAGE AND UTILITY STRUCTURE TO BE REMOVED
- [SP]** FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

MODEL: SPODELNAMRES
FILE NAME: ...132653.DWG



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
DRAINAGE AND UTILITIES

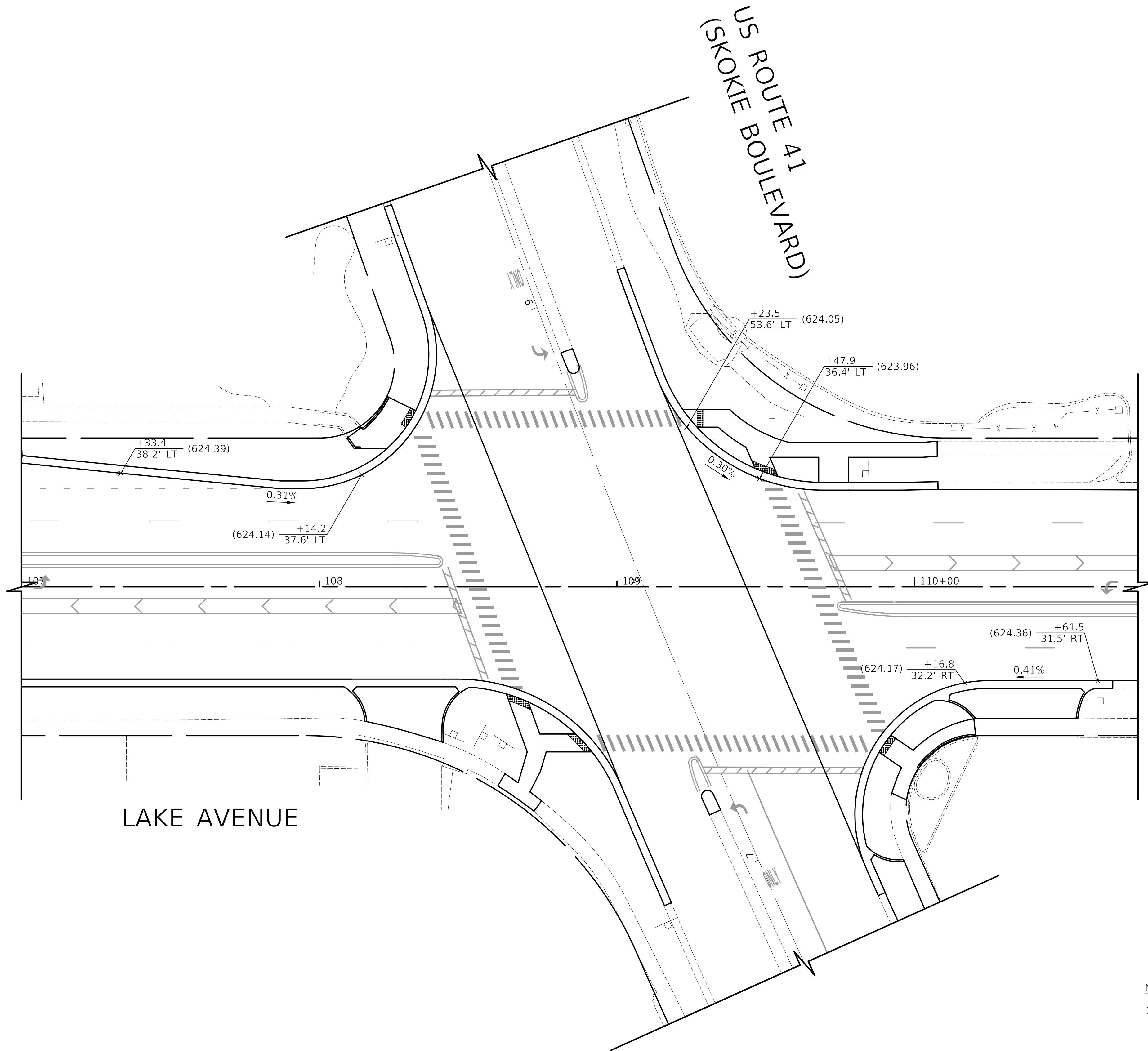
SHEET 5 OF 5 SHEETS STA 5+00.00 TO STA 11+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	34
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				



PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	STRUCTURE NOTATION CHECKED		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION CHECKED		



LEGEND

() EXISTING ELEVATION

NOTE:

- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH SHALL BE USED ADJACENT TO LOCATIONS WHERE SLOPES AND ELEVATIONS ARE PROVIDED. THESE ELEVATIONS AND SLOPES ARE PROVIDED TO ENSURE POSITIVE PITCH IN THE GUTTER.

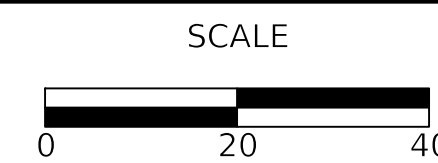
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DATE -	11/28/2022	REVISED -	

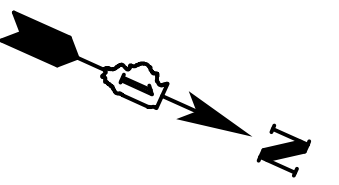
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
INTERSECTION GRADING PLAN**

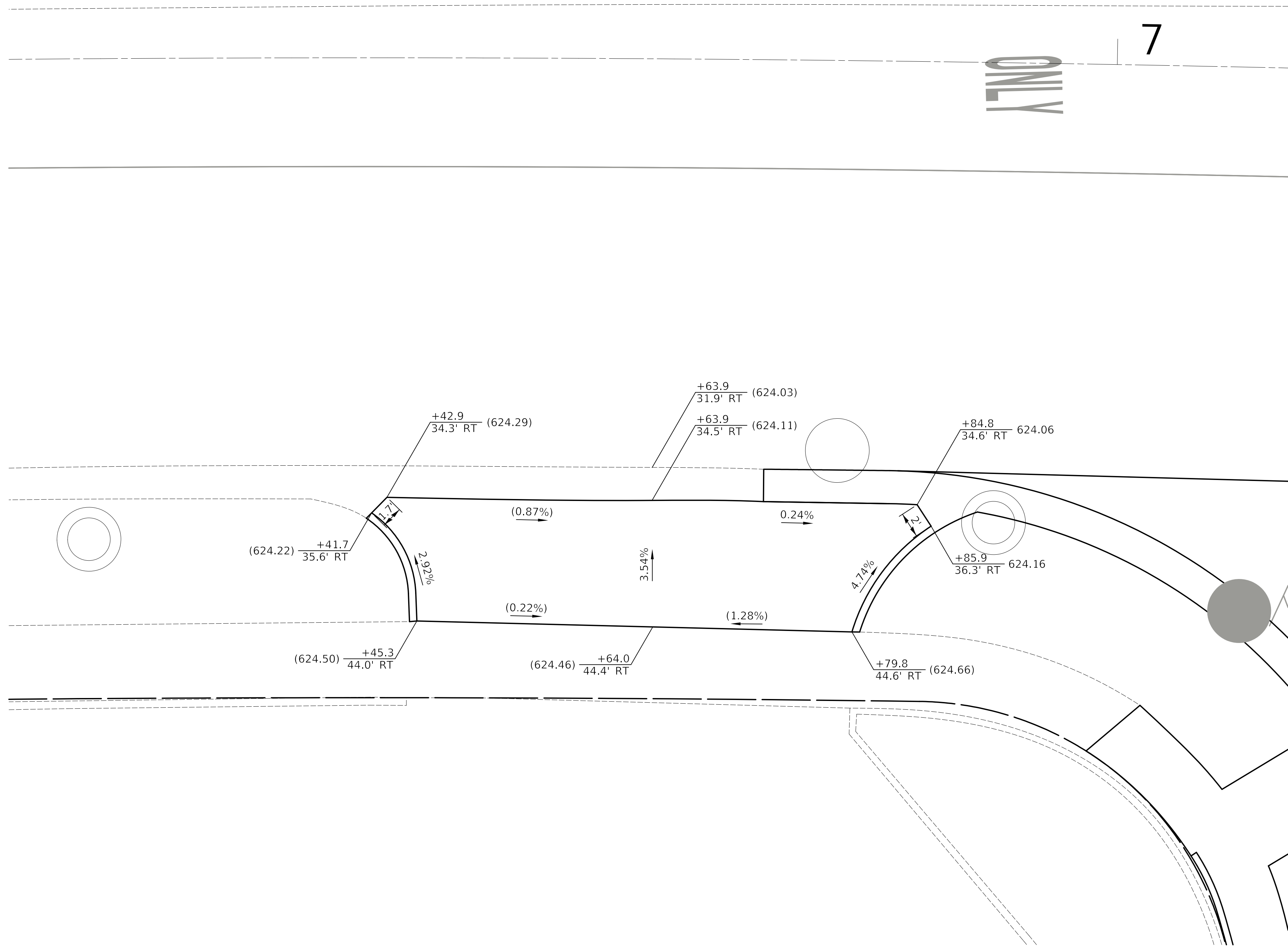
SHEET 1 OF 1 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	35
CONTRACT NO 61116			ILLINOIS FED AID PROJECT	



PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK NO.	ALIGNMENT CHECKED	
	CADD FILE NAME	

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



SKOKIE BOULEVARD - STA. 6+64 RT

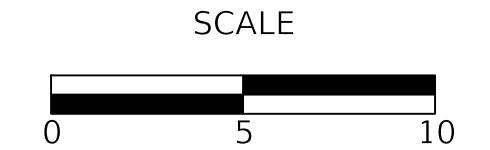
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FILE NAME: ...32653-Driveway_Details.dgn



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
DRIVEWAY DETAILS

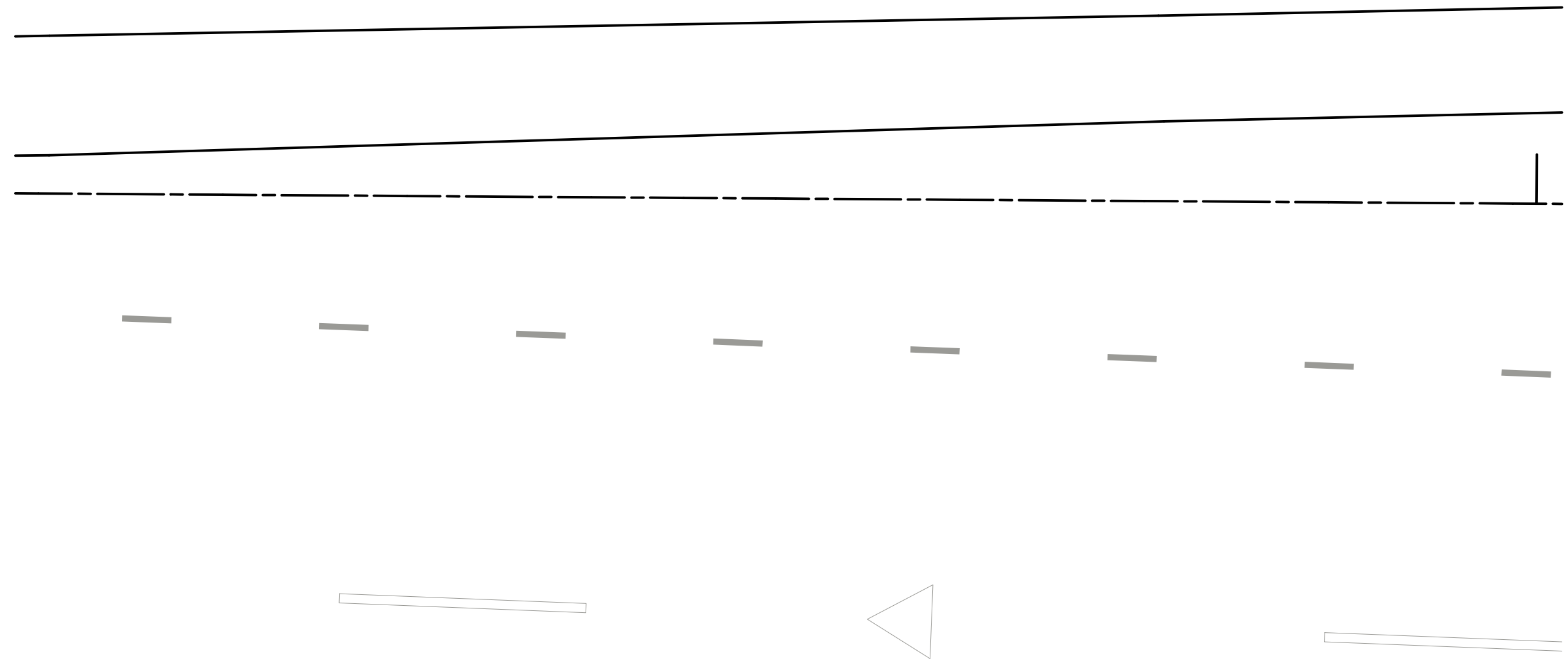
SHEET 3 OF 3 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	38
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADE CHECKED	
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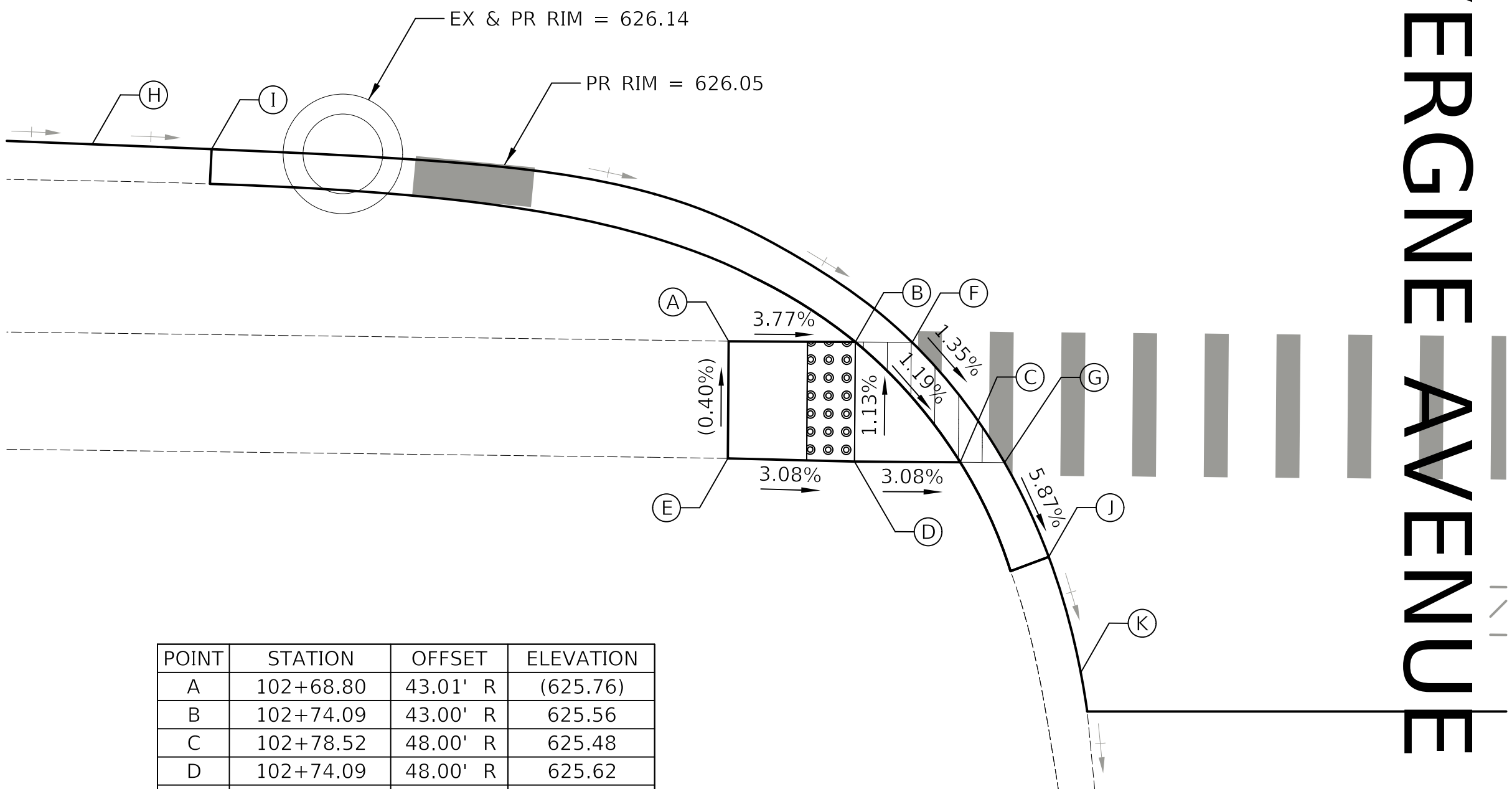
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	PLOTTED	
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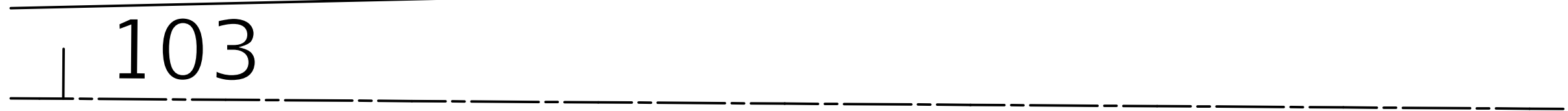


LAKE AVENUE

LAVERGNE AVENUE



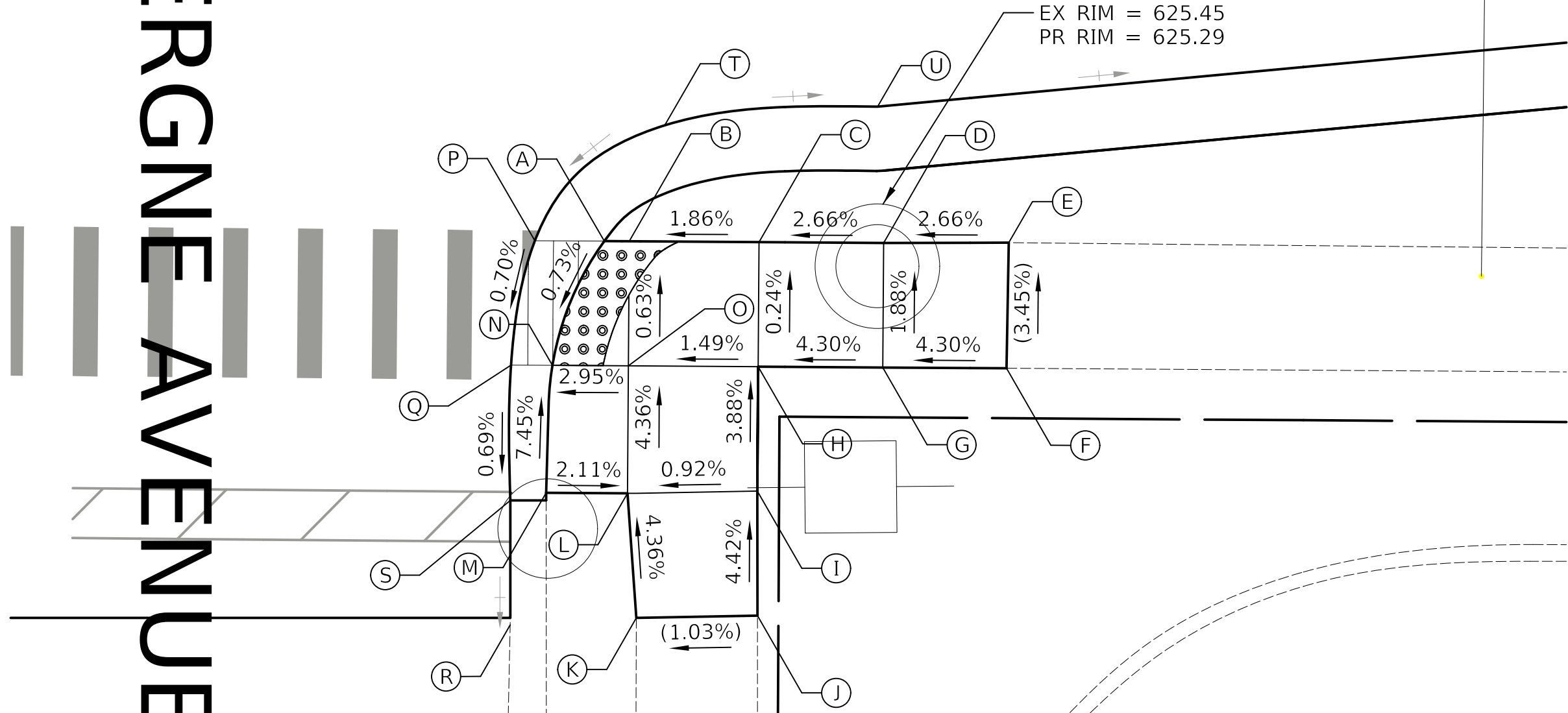
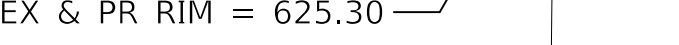
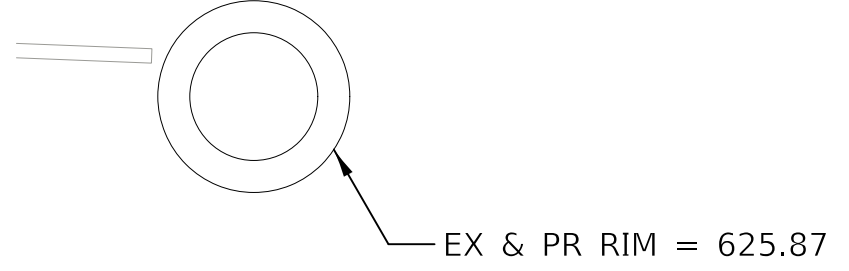
POINT	STATION	OFFSET	ELEVATION
A	102+68.80	43.01' R	(625.76)
B	102+74.09	43.00' R	625.56
C	102+78.52	48.00' R	625.48
D	102+74.09	48.00' R	625.62
E	102+68.80	47.90' R	(625.78)
F	102+76.47	43.00' R	(625.56)
G	102+80.37	48.00' R	625.48
H	102+42.10	34.95' R	(626.51)
I	102+47.10	35.12' R	(626.35)
J	102+82.25	51.93' R	(625.22)
K	102+83.62	56.76' R	(625.08)



LAKE AVENUE

LAVERGNE AVENUE

POINT	STATION	OFFSET	ELEVATION
A	103+22.01	43.00' R	625.02
B	103+23.01	43.00' R	625.04
C	103+28.22	43.00' R	625.14
D	103+33.22	43.00' R	625.27
E	103+38.24	42.95' R	(625.40)
F	103+38.18	47.99' R	(625.58)
G	103+33.22	48.00' R	625.36
H	103+28.22	48.00' R	625.15
I	103+28.22	52.99' R	625.34
J	103+28.25	57.99' R	(625.56)
K	103+23.39	58.12' R	(625.51)
L	103+23.01	53.12' R	625.29
M	103+19.74	53.12' R	624.98
N	103+19.96	48.00' R	625.36
O	103+23.01	48.00' R	625.07
P	103+19.22	43.00' R	(625.02)
Q	103+18.30	48.00' R	624.98
R	103+18.33	58.44' R	(624.90)
S	103+18.30	53.44' R	(624.94)
T	103+24.40	38.34' R	(625.13)
U	103+32.94	37.53' R	(625.02)



LEGEND

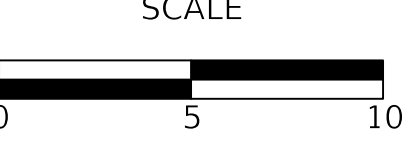
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS (SPECIAL)
- DEPRESSED CURB AND GUTTER
- () EXISTING ELEVATION / SLOPE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
ADA CURB RAMP DETAILS

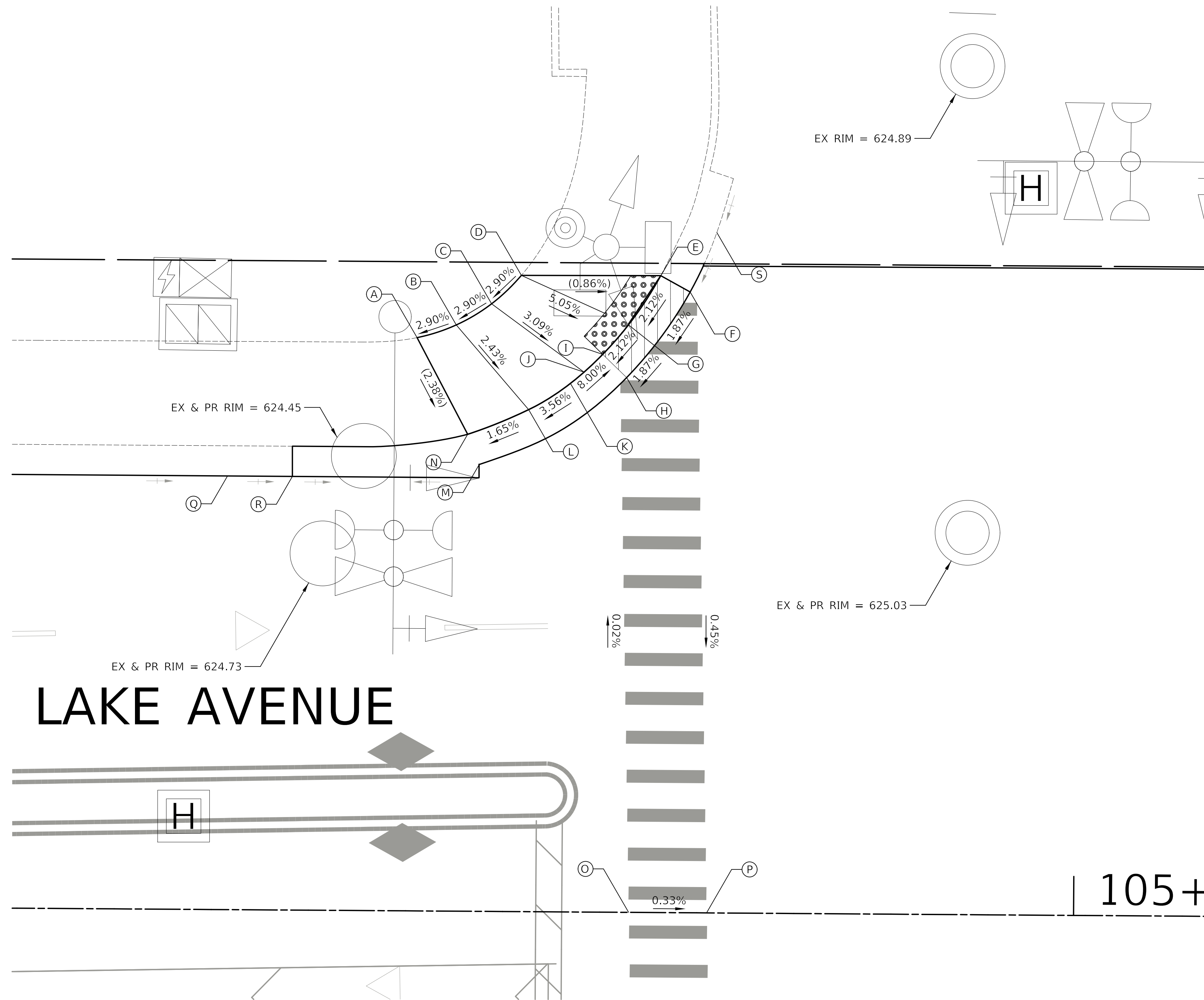
SHEET 1 OF 6 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	39
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	ALIGNMENT CHECKED	
	CADD FILE NAME	

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



POINT	STATION	OFFSET	ELEVATION
A	104+49.16	44.15' L	(625.36)
B	104+52.17	45.15' L	625.45
C	104+54.88	46.80' L	625.54
D	104+57.15	49.00' L	625.64
E	104+67.88	49.06' L	625.73
F	104+70.16	47.81' L	(625.73)
G	104+65.46	45.29' L	625.18
H	104+65.31	41.19' L	(625.11)
I	104+63.46	42.96' L	625.11
J	104+62.03	41.58' L	625.27
K	104+60.99	40.71' L	625.38
L	104+57.78	38.66' L	625.24
M	104+54.01	34.41' L	(624.61)
N	104+53.10	36.73' L	(625.16)
O	104+65.75	0.00' L	(625.08)
P	104+71.75	0.00' L	(625.06)
Q	104+34.63	33.34' L	(624.61)
R	104+39.63	33.34' L	(624.59)
S	104+72.18	52.41' L	(625.35)

LEGEND

- PROPOSED SIDE CURB
- DETECTABLE WARNINGS (SPECIAL)
- DEPRESSED CURB AND GUTTER
- (/) EXISTING ELEVATION / SLOPE

MODEL: SMODELNAMER
FILE NAME: ...112-Grading Plans\3663 ADA.dgn

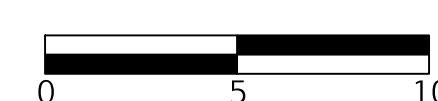


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DRAWN -	JRR	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	11/28/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE



**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
ADA CURB RAMP DETAILS**

SHEET 2 OF 6 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	40
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	

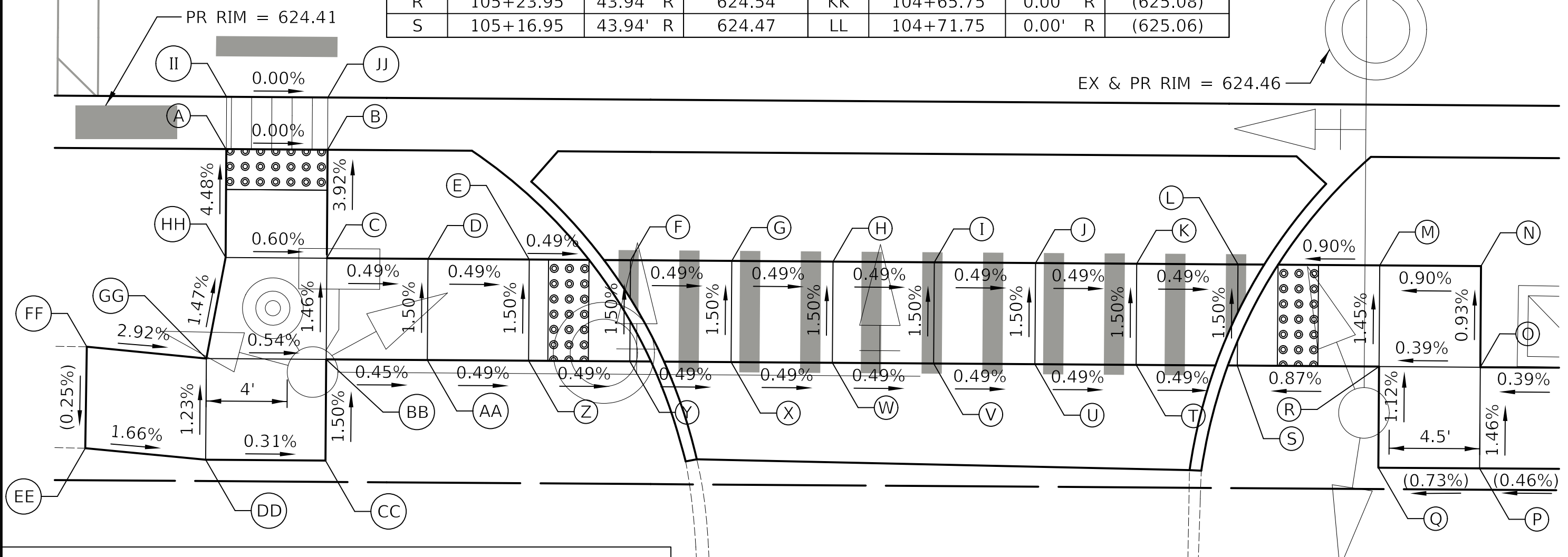
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	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	

MODEL: SPODELNAME
FILE NAME: ...112-Grading Plans\3663_ADA.dgn

LAKE AVENUE

105+00

POINT	STATION	OFFSET	ELEVATION	POINT	STATION	OFFSET	ELEVATION
A	104+66.95	33.58' R	624.41	T	105+11.95	43.94' R	624.50
B	104+71.95	33.58' R	624.41	U	105+06.95	43.94' R	624.52
C	104+71.95	38.94' R	624.62	V	105+01.95	43.94' R	624.55
D	104+76.95	38.94' R	624.60	W	104+96.95	43.94' R	624.57
E	104+81.95	38.94' R	624.57	X	104+91.95	43.94' R	624.60
F	104+86.95	38.94' R	624.55	Y	104+86.95	43.94' R	624.62
G	104+91.95	38.94' R	624.52	Z	104+81.95	43.94' R	624.65
H	104+96.95	38.94' R	624.50	AA	104+76.95	43.94' R	624.67
I	105+01.95	38.94' R	624.47	BB	104+71.95	43.94' R	624.69
J	105+06.95	38.94' R	624.45	CC	104+71.95	48.94' R	624.77
K	105+11.95	38.94' R	624.42	DD	104+66.04	48.94' R	624.79
L	105+16.95	38.94' R	624.40	EE	104+60.08	48.41' R	(624.89)
M	105+23.95	38.94' R	624.46	FF	104+60.13	43.40' R	(624.90)
N	105+28.95	38.94' R	624.51	GG	104+66.04	43.94' R	624.72
O	105+28.95	43.94' R	624.55	HH	104+66.95	38.94' R	624.65
P	105+28.95	48.94' R	(624.63)	II	104+66.95	31.00' R	(624.41)
Q	105+23.95	48.94' R	(624.59)	JJ	104+71.95	31.00' R	(624.41)
R	105+23.95	43.94' R	624.54	KK	104+65.75	0.00' R	(625.08)
S	105+16.95	43.94' R	624.47	LL	104+71.75	0.00' R	(625.06)

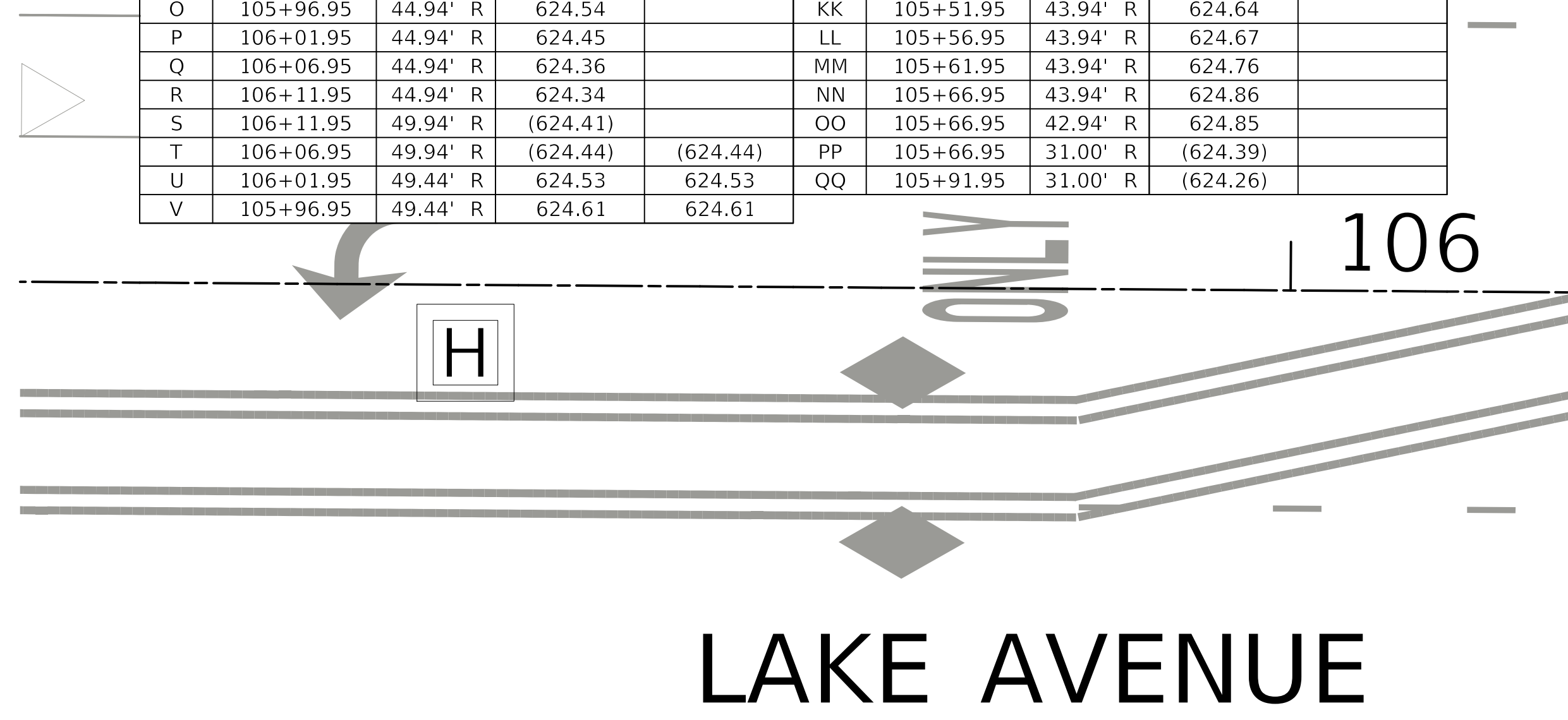


LEGEND

- PROPOSED SIDE CURB
- DETECTABLE WARNINGS (SPECIAL)
- DEPRESSED CURB AND GUTTER
- EXISTING ELEVATION / SLOPE

EX RIM = 624.65

POINT	STATION	OFFSET	ELEVATION	TOP OF CURB ELEVATION	POINT	STATION	OFFSET	ELEVATION	TOP OF CURB ELEVATION
A	105+66.95	33.58' R	624.80		W	105+91.95	49.44' R	624.70	624.70
B	105+66.95	37.94' R	624.83		X	105+86.95	49.94' R	(624.52)	624.79
C	105+71.95	33.58' R	624.77		Y	105+86.95	48.94' R	624.55	624.78
D	105+71.95	37.94' R	624.82		Z	105+81.95	49.94' R	(624.57)	
E	105+76.95	33.58' R	624.74		AA	105+81.95	48.94' R	624.59	624.84
F	105+76.95	37.94' R	624.78		BB	105+86.95	42.94' R	624.74	
G	105+81.95	33.58' R	624.71		CC	105+81.95	42.94' R	624.79	
H	105+81.95	37.94' R	624.74		DD	105+76.95	42.94' R	624.84	
I	105+86.95	33.58' R	624.67		EE	105+71.95	42.94' R	624.88	
J	105+86.95	37.94' R	624.70		FF	105+71.95	48.44' R	624.96	624.96
K	105+91.95	33.58' R	624.64		GG	105+66.95	48.44' R	624.89	624.89
L	105+91.95	37.94' R	624.66		HH	105+61.95	48.44' R	624.81	624.81
M	105+91.95	42.94' R	624.68		II	105+56.95	48.44' R	624.74	624.74
N	105+91.95	44.94' R	624.68		JJ	105+51.95	48.94' R	(624.67)	(624.67)
O	105+96.95	44.94' R	624.54		KK	105+51.95	43.94' R	624.64	
P	106+01.95	44.94' R	624.45		LL	105+56.95	43.94' R	624.67	
Q	106+06.95	44.94' R	624.36		MM	105+61.95	43.94' R	624.76	
R	106+11.95	44.94' R	624.34		NN	105+66.95	43.94' R	624.86	
S	106+11.95	49.94' R	(624.41)		OO	105+66.95	42.94' R	624.85	
T	106+06.95	49.94' R	(624.44)	(624.44)	PP	105+66.95	31.00' R	(624.39)	
U	106+01.95	49.44' R	624.53	624.53	QQ	105+91.95	31.00' R	(624.26)	
V	105+96.95	49.44' R	624.61	624.61					



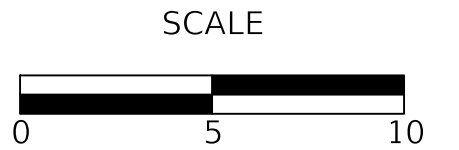
PROPOSED 12'X4.5' BUS SHELTER (TO BE INSTALLED BY OTHERS)



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
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DESIGNED -	JMG	REVISED -	12/23/2022
DRAWN -	JRR	REVISED -	1/19/2023
CHECKED -	KRK	REVISED -	
DATE -	11/28/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE ADA CURB RAMP DETAILS

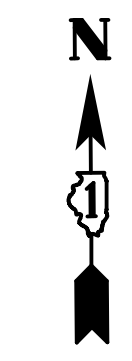
SHEET 3 OF 6 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	41
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION	

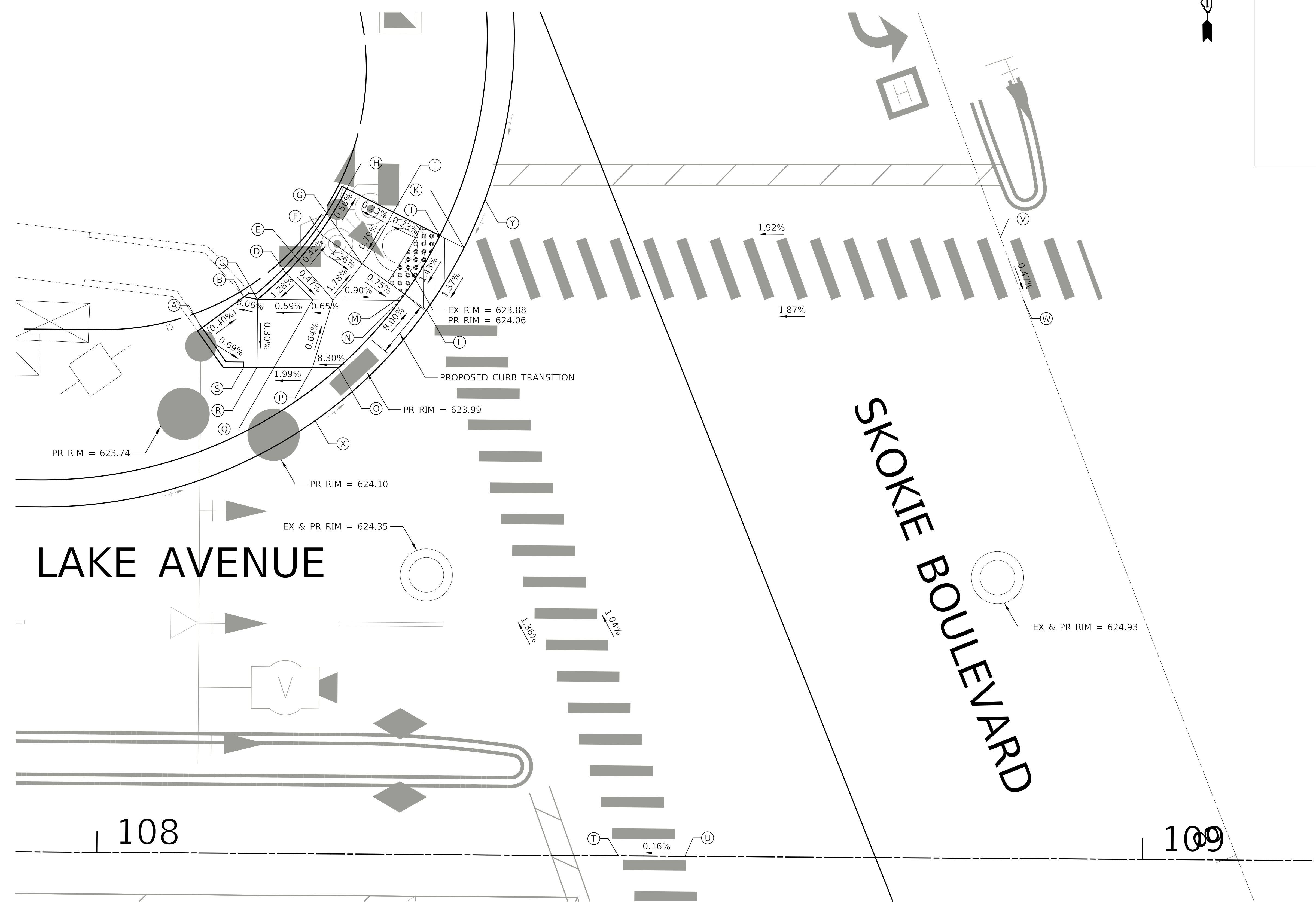
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LEGEND

	PROPOSED SIDE CURB
	DETECTABLE WARNINGS (SPECIAL)
	DEPRESSED CURB AND GUTTER
	EXISTING ELEVATION / SLOPE

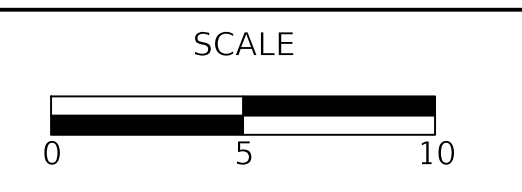
POINT	STATION	OFFSET	ELEVATION
A	108+09.73	50.24' L	(624.00)
B	108+13.73	53.23' L	(623.98)
C	108+15.00	52.98' L	624.08
D	108+17.71	55.49' L	624.13
E	108+22.21	52.98' L	624.13
F	108+20.89	59.34' L	624.11
G	108+24.98	56.46' L	624.05
H	108+23.44	63.63' L	624.08
I	108+27.93	61.42' L	624.09
J	108+32.41	59.20' L	624.11
K	108+34.72	58.06' L	(624.11)
L	108+31.18	52.10' L	(624.01)
M	108+29.07	53.58' L	624.01
N	108+28.64	52.98' L	624.07
O	108+22.78	46.48' L	624.38
P	108+20.30	46.48' L	624.17
Q	108+20.30	52.98' L	624.11
R	108+15.00	46.48' L	624.07
S	108+13.73	46.48' L	623.96
T	108+49.86	0.00' L	(624.76)
U	108+56.24	0.00' L	(624.77)
V	8+63.22	0.00' L	(625.10)
W	8+56.82	0.00' L	(625.07)
X	108+20.60	41.43' L	(624.06)
Y	108+36.69	62.66' L	(624.15)



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DRAWN	-	JRR	REVISED	-	1/19/2023
CHECKED	-	KRK	REVISED	-	
DATE	-	11/28/2022	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
ADA CURB RAMP DETAILS

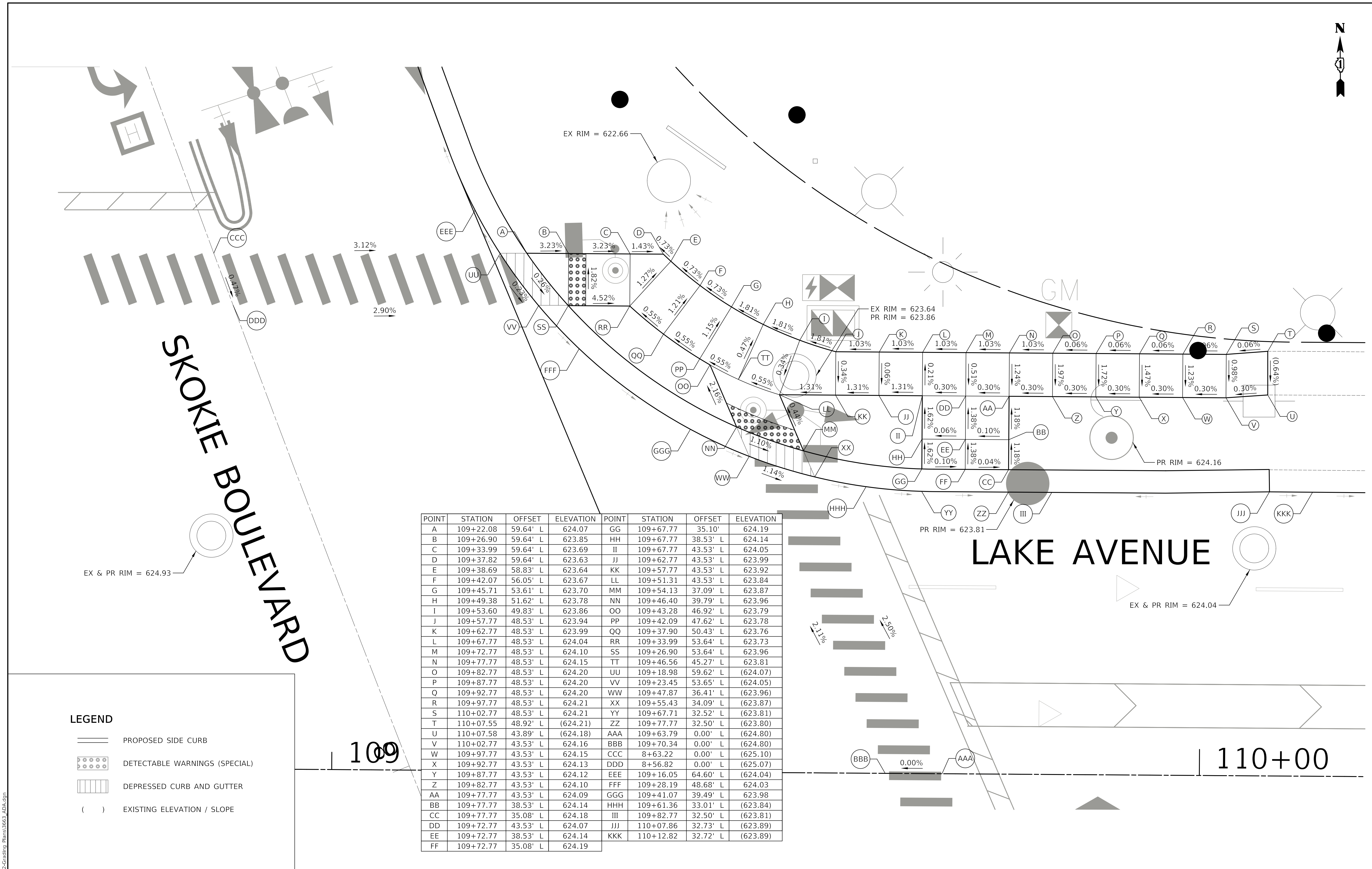
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	42
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

SHEET 4 OF 6 SHEETS STA TO STA



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION	
	NO.	



POINT	STATION	OFFSET	ELEVATION	POINT	STATION	OFFSET	ELEVATION
A	109+22.08	59.64' L	624.07	GG	109+67.77	35.10'	624.19
B	109+26.90	59.64' L	623.85	HH	109+67.77	38.53' L	624.14
C	109+33.99	59.64' L	623.69	II	109+67.77	43.53' L	624.05
D	109+37.82	59.64' L	623.63	JJ	109+62.77	43.53' L	623.99
E	109+38.69	58.83' L	623.64	KK	109+57.77	43.53' L	623.92
F	109+42.07	56.05' L	623.67	LL	109+51.31	43.53' L	623.84
G	109+45.71	53.61' L	623.70	MM	109+54.13	37.09' L	623.87
H	109+49.38	51.62' L	623.78	NN	109+46.40	39.79' L	623.96
I	109+53.60	49.83' L	623.86	OO	109+43.28	46.92' L	623.79
J	109+57.77	48.53' L	623.94	PP	109+42.09	47.62' L	623.78
K	109+62.77	48.53' L	623.99	QQ	109+37.90	50.43' L	623.76
L	109+67.77	48.53' L	624.04	RR	109+33.99	53.64' L	623.73
M	109+72.77	48.53' L	624.10	SS	109+26.90	53.64' L	623.96
N	109+77.77	48.53' L	624.15	TT	109+46.56	45.27' L	623.81
O	109+82.77	48.53' L	624.20	UU	109+18.98	59.62' L	(624.07)
P	109+87.77	48.53' L	624.20	VV	109+23.45	53.65' L	(624.05)
Q	109+92.77	48.53' L	624.20	WW	109+47.87	36.41' L	(623.96)
R	109+97.77	48.53' L	624.21	XX	109+55.43	34.09' L	(623.87)
S	110+02.77	48.53' L	624.21	YY	109+67.71	32.52' L	(623.81)
T	110+07.55	48.92' L	(624.21)	ZZ	109+77.77	32.50' L	(623.80)
U	110+07.58	43.89' L	(624.18)	AAA	109+63.79	0.00' L	(624.80)
V	110+02.77	43.53' L	624.16	BBB	109+70.34	0.00' L	(624.80)
W	109+97.77	43.53' L	624.15	CCC	8+63.22	0.00' L	(625.10)
X	109+92.77	43.53' L	624.13	DDD	8+56.82	0.00' L	(625.07)
Y	109+87.77	43.53' L	624.12	EEE	109+16.05	64.60' L	(624.04)
Z	109+82.77	43.53' L	624.10	FFF	109+28.19	48.68' L	624.03
AA	109+77.77	43.53' L	624.09	GGG	109+41.07	39.49' L	623.98
BB	109+77.77	38.53' L	624.14	HHH	109+61.36	33.01' L	(623.84)
CC	109+77.77	35.08' L	624.18	III	109+82.77	32.50' L	(623.81)
DD	109+72.77	43.53' L	624.07	JJJ	110+07.86	32.73' L	(623.89)
EE	109+72.77	38.53' L	624.14	KKK	110+12.82	32.72' L	(623.89)
FF	109+72.77	35.08' L	624.19				

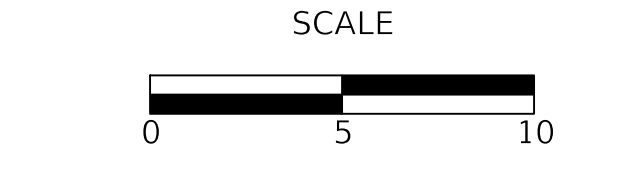
LEGEND

- PROPOSED SIDE CURB
- DETECTABLE WARNINGS (SPECIAL)
- DEPRESSED CURB AND GUTTER
- EXISTING ELEVATION / SLOPE

Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED	-	JMG	REVISED	-	12/23/2022
DRAWN	-	JRR	REVISED	-	1/19/2023
CHECKED	-	KRK	REVISED	-	
DATE	-	11/28/2022	REVISED	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
ADA CURB RAMP DETAILS**

SHEET 5 OF 6 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	43
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

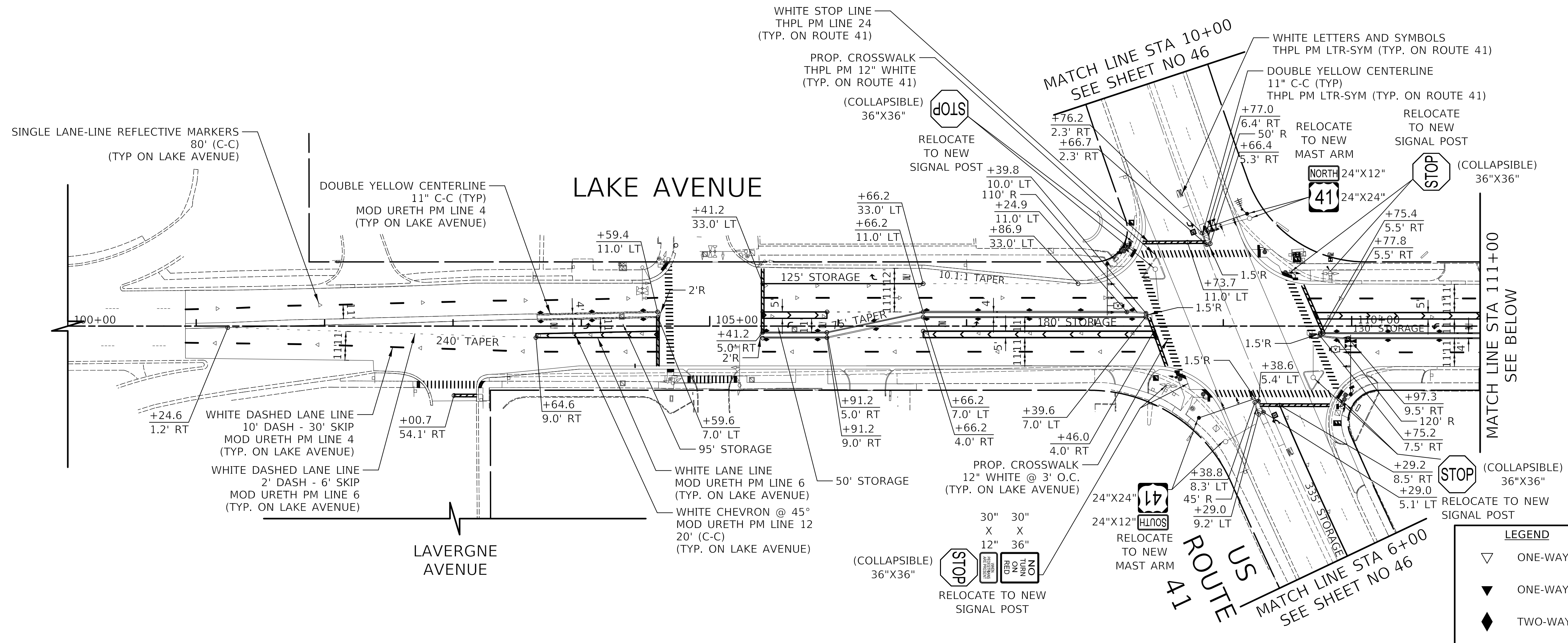
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	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
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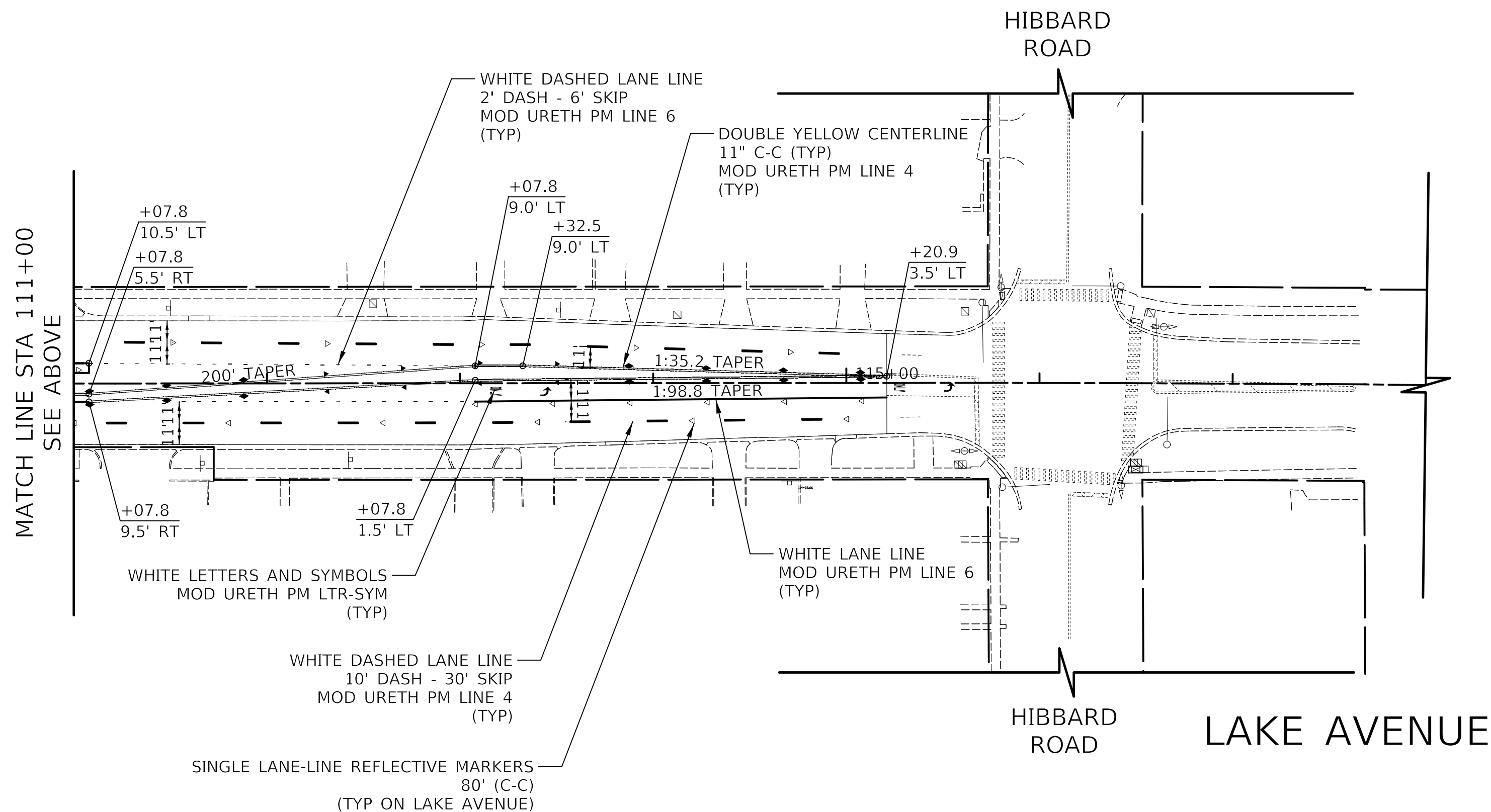
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	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	FILE NAME	
	NO.	

NOTE:

1. RECESSED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ON LAKE AVENUE. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ON US ROUTE 41 (SKOKIE BOULEVARD).
2. REFLECTOR LAYOUT SHALL BE IN ACCORDANCE WITH STANDARD TC-11 UNLESS INDICATED OTHERWISE.
3. ALL PAVEMENT MARKINGS ON LAKE AVENUE SHALL BE MODIFIED URETHANE. ALL PAVEMENT MARKINGS ON US 41 (SKOKIE BLVD) SHALL BE THERMOPLASTIC
4. IF ANY EXISTING PAVEMENT MARKING AND/OR SIGNING ALONG COOK COUNTY ROADWAYS IS DAMAGED DUE TO CONSTRUCTION OF PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL REPLACE THE DAMAGED TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF COOK COUNTY PER IDOT AND IDOT DISTRICT 1 STANDARDS FOR TRAFFIC CONTROL DEVICES, PAVEMENT MARKING, AND SIGNAGE IN ACCORDANCE WITH ARTICLE 107.20.



LEGEND	
▽	ONE-WAY CRYSTAL PAVEMENT MARKER
▼	ONE-WAY AMBER PAVEMENT MARKER
◆	TWO-WAY AMBER PAVEMENT MARKER



CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
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DESIGNED	-	JMG	REVISED	-	12/23/2022
DRAWN	-	JRR	REVISED	-	1/19/2023
CHECKED	-	KRK	REVISED	-	
DATE	-	11/28/2022	REVISED	-	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
 SIGNING AND PAVEMENT MARKING PLANS**

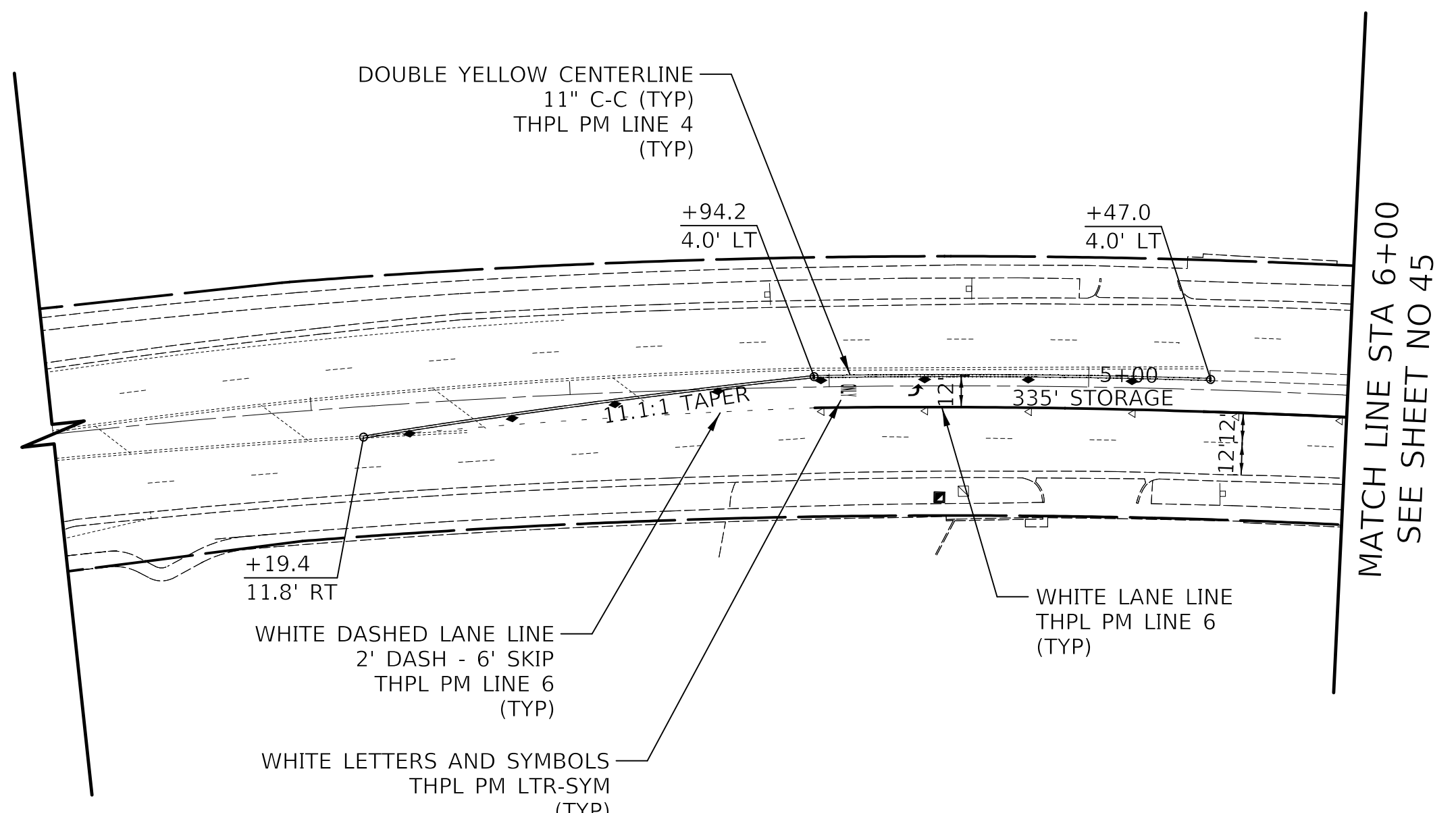
SHEET 1 OF 2 SHEETS STA 100+00.00 TO STA 118+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	45
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

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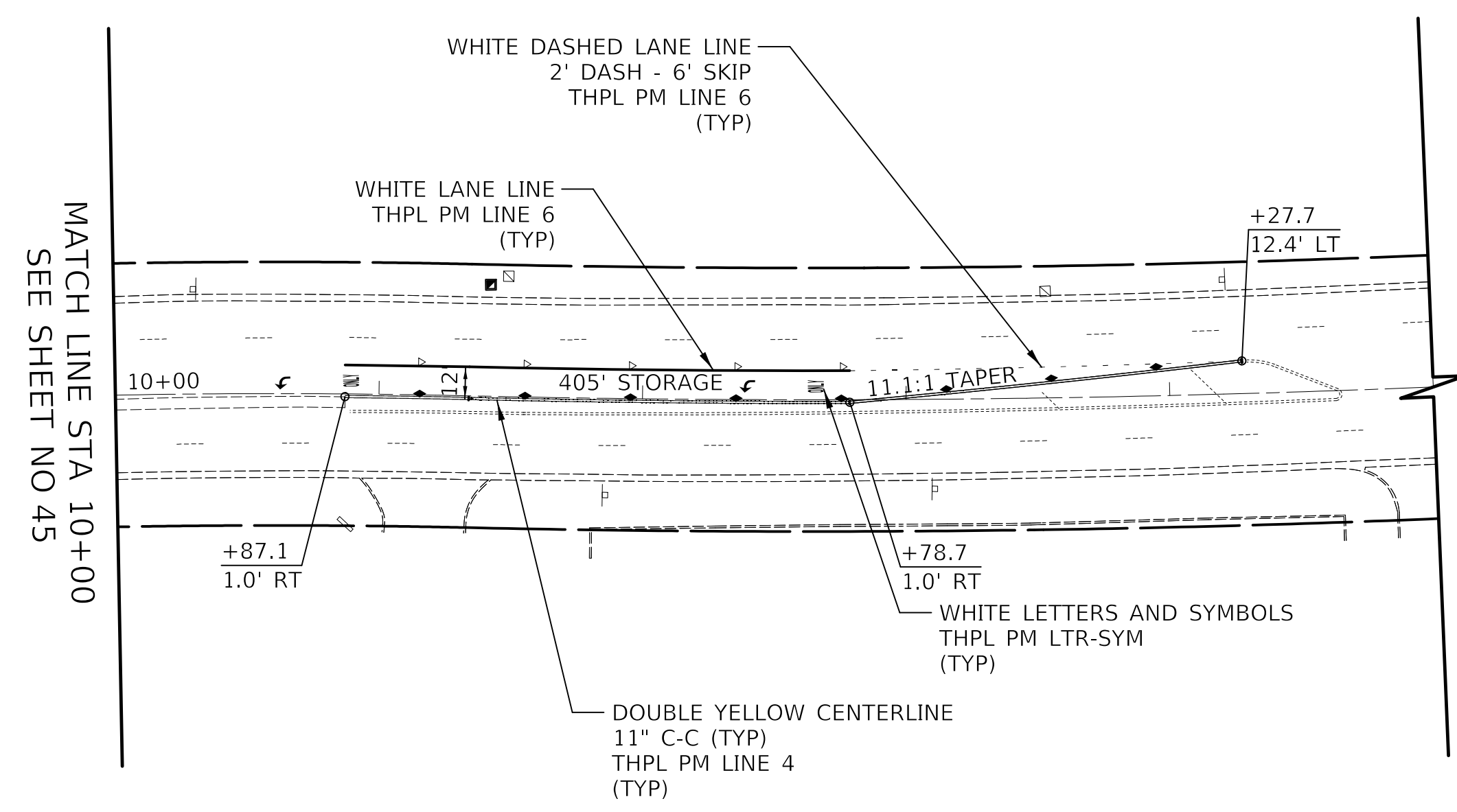
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	PLOTTED	
NOTE BOOK NO.	ALIGNMENT CHECKED	
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	THPL PM LINE 6	
	THPL PM LTR-SYM	

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



US ROUTE 41 (SKOKIE BOULEVARD)

LEGEND	
▽	ONE-WAY REFLECTIVE PAVEMENT MARKER
▼	ONE-WAY REFLECTIVE PAVEMENT MARKER
◆	TWO-WAY REFLECTIVE PAVEMENT MARKER



US ROUTE 41 (SKOKIE BOULEVARD)

MODEL: SPODELNAMEES
FILE NAME: ...32652 Pavement Markings.dgn



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Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JMG	REVISED -	1/19/2023
DRAWN -	JRR	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	11/28/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
SIGNING AND PAVEMENT MARKING PLANS

SHEET 2 OF 2 SHEETS STA 1+00.00 TO STA 15+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	46
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			RELOCATE ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			ABANDON ITEM					
FLASHER INSTALLATION -(FS) SOLAR POWERED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			SIGNAL POST AND FOUNDATION TO BE REMOVED					
RADAR DETECTION SENSOR			DETECTOR LOOP, TYPE I					
VIDEO DETECTION CAMERA			PREFORMED DETECTOR LOOP					
RADAR/VIDEO DETECTION ZONE			SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
CONFIRMATION BEACON			WIRELESS DETECTOR SENSOR					
WIRELESS INTERCONNECT			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT RADIO REPEATER								

MODEL: D:\p\air\...
 FILE NAME: ...
TS SHT NO. 01

USER NAME = footemj	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

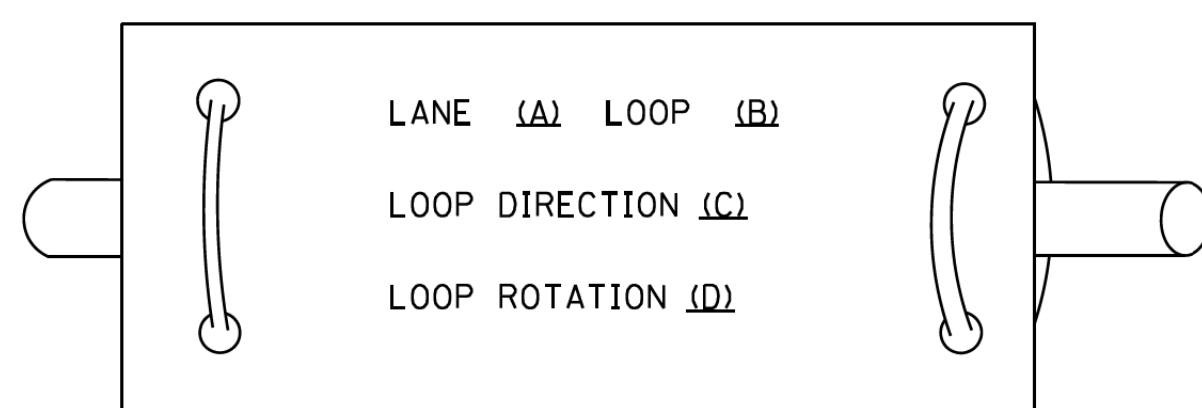
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F.A.U. RTE. 350/1294	SECTION 19-00203-00-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 47
TS-05		CONTRACT NO. 61J16		
ILLINOIS FED. AID PROJECT				

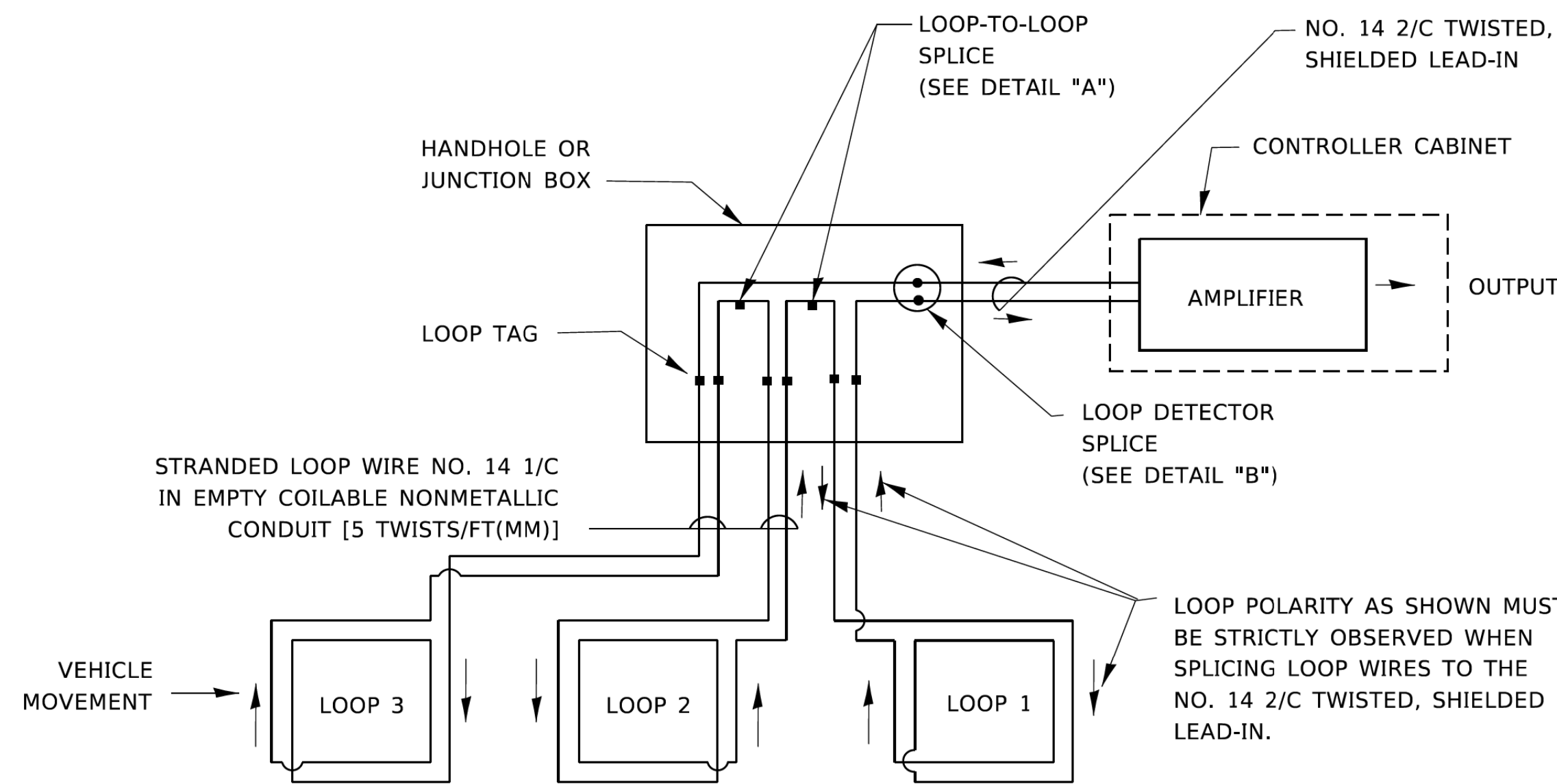
LOOP DETECTOR NOTES

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 DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
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

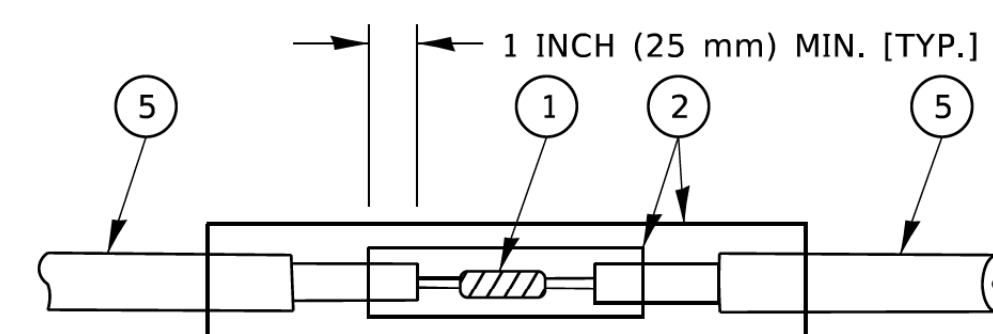


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

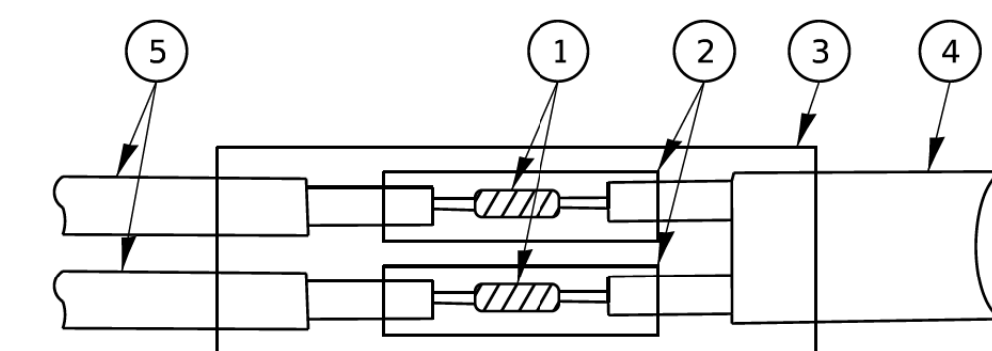


DETECTOR LOOP WIRING SCHEMATIC

- 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.

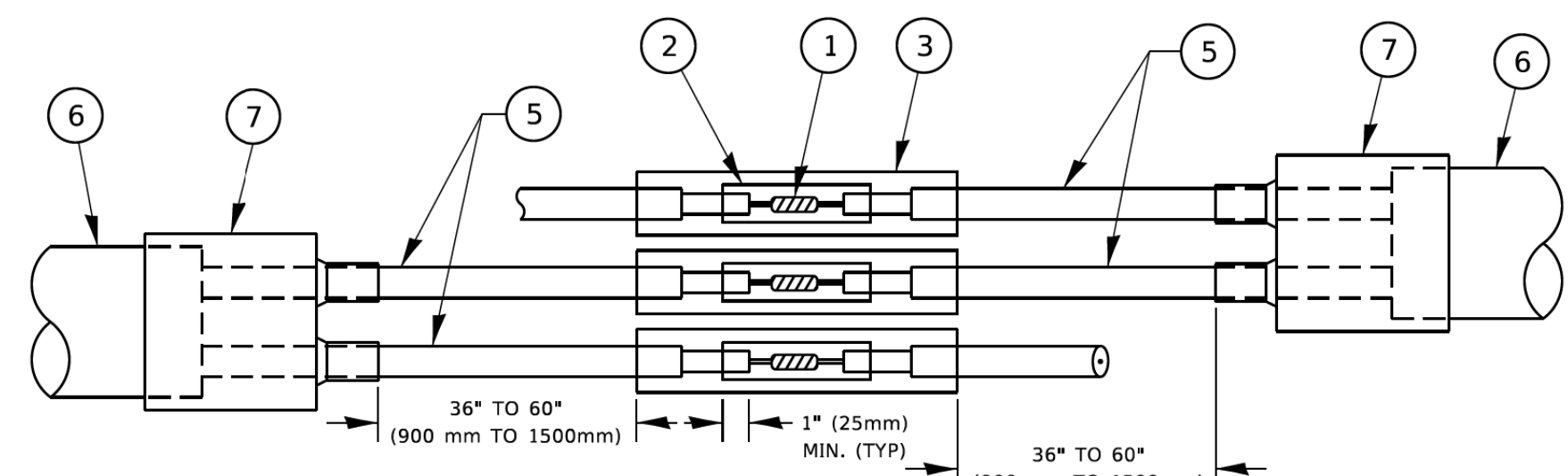


DETAIL "A"
LOOP-TO-LOOP SPLICE

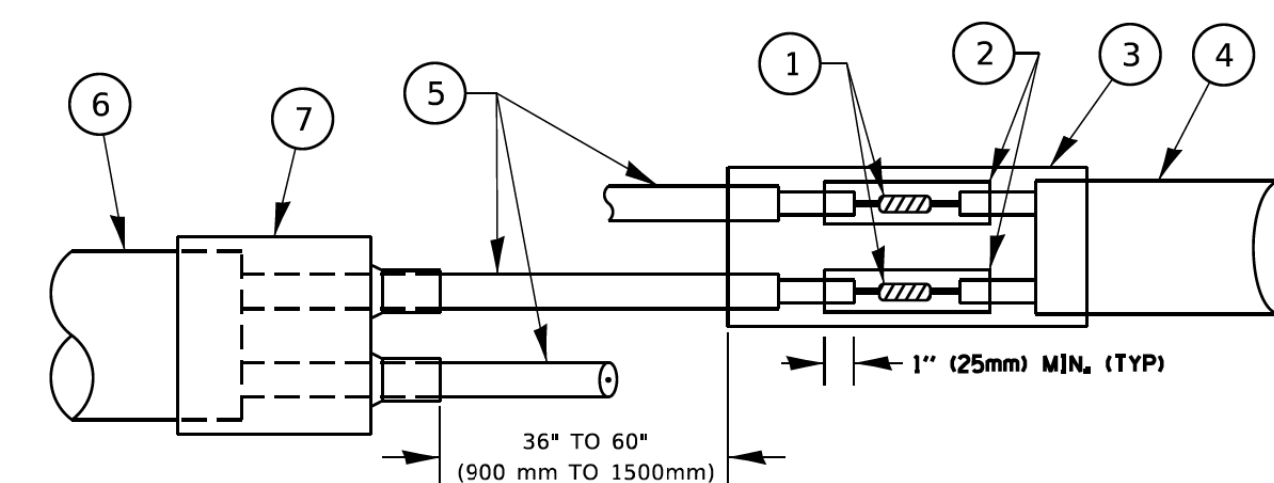


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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

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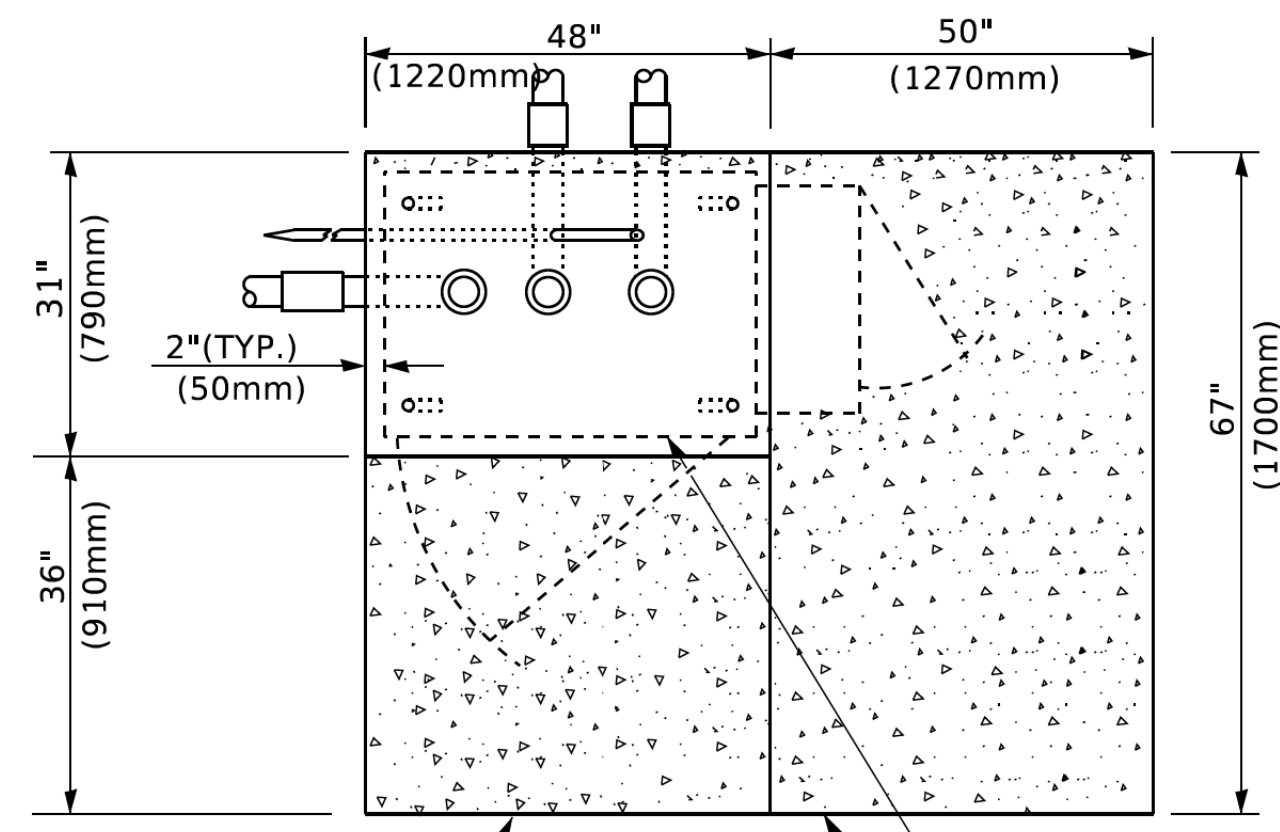
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	DRAWN -	REVISED -
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

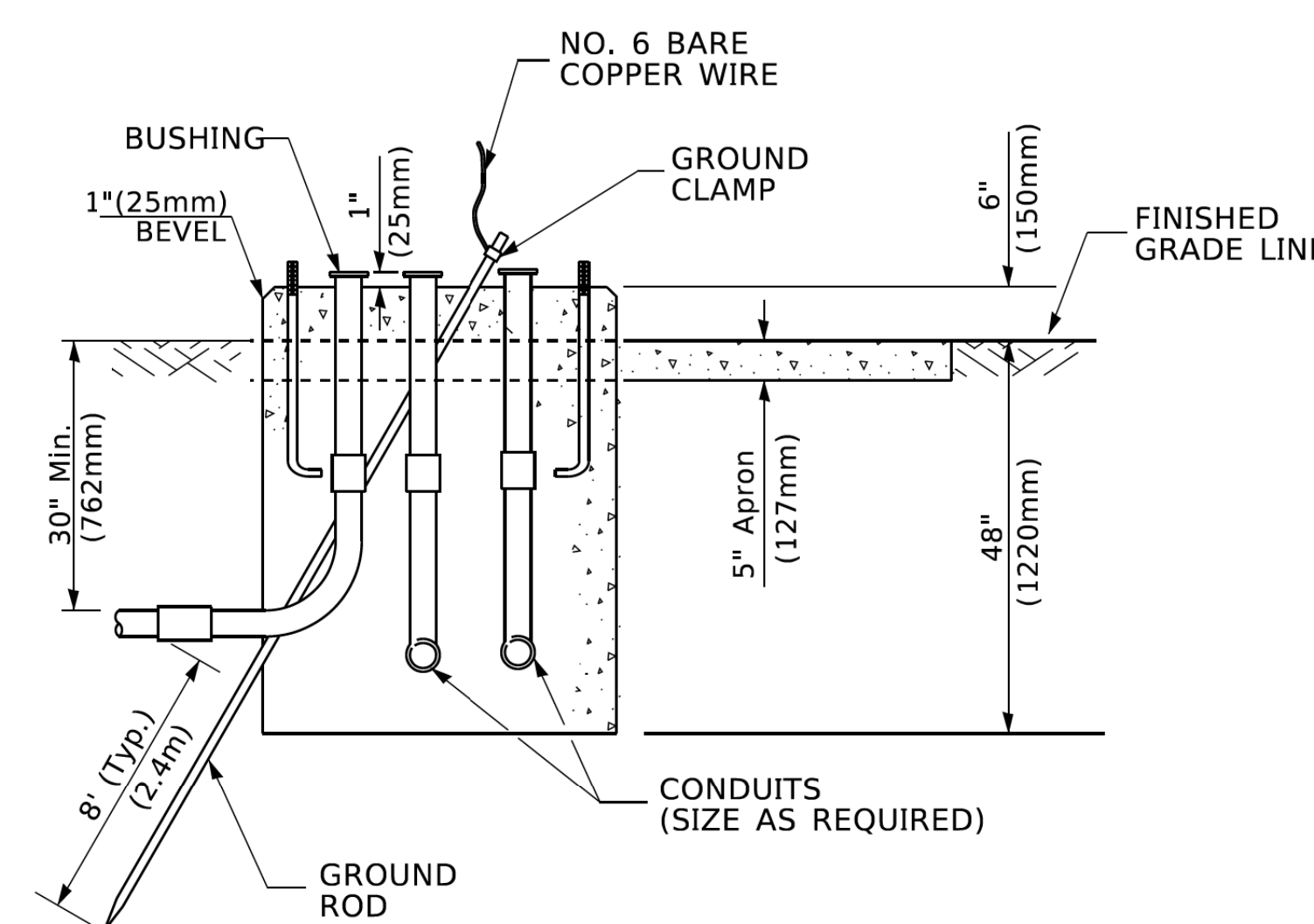
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

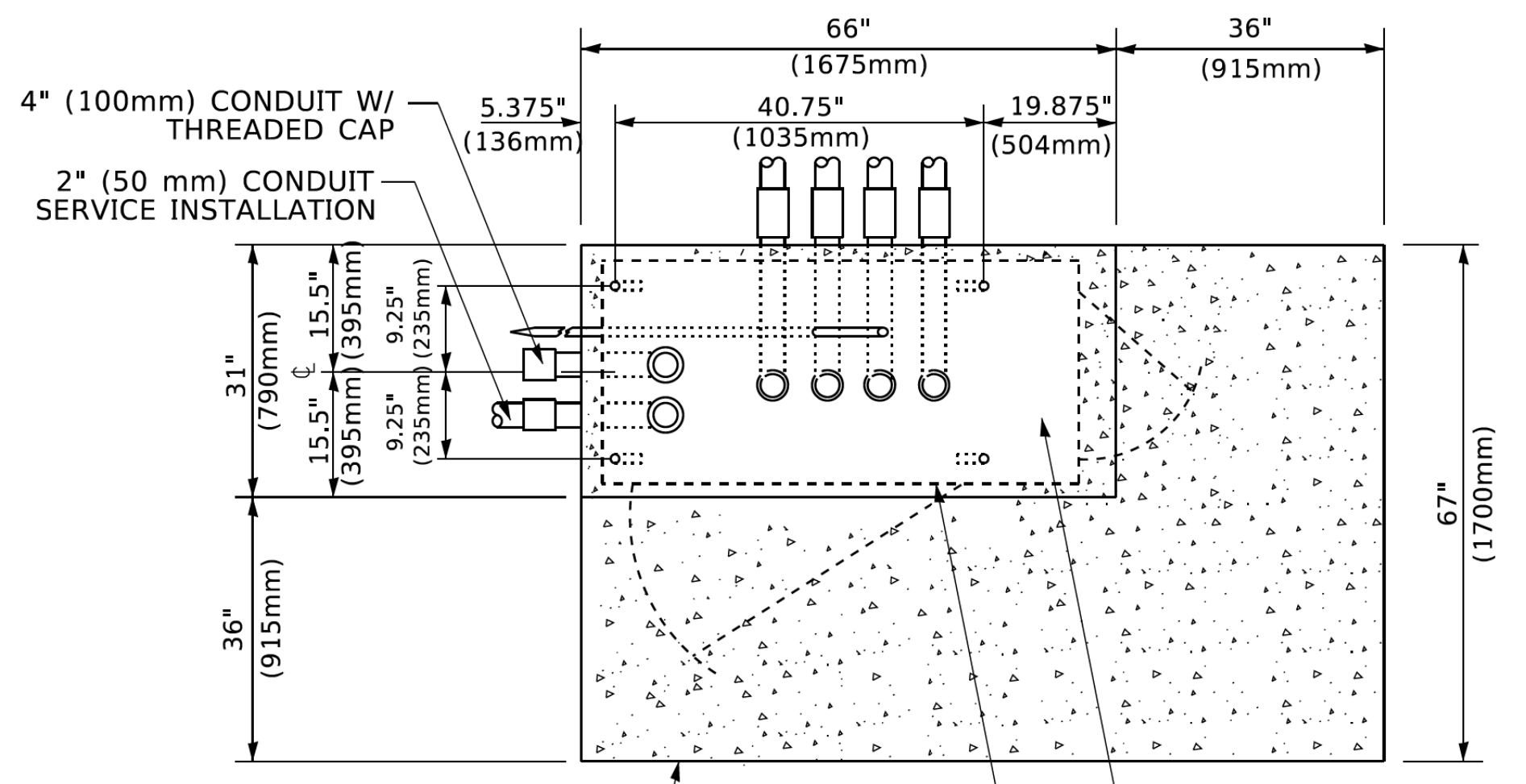
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TS-05		CONTRACT NO. 61J16		
ILLINOIS		FED. AID PROJECT		



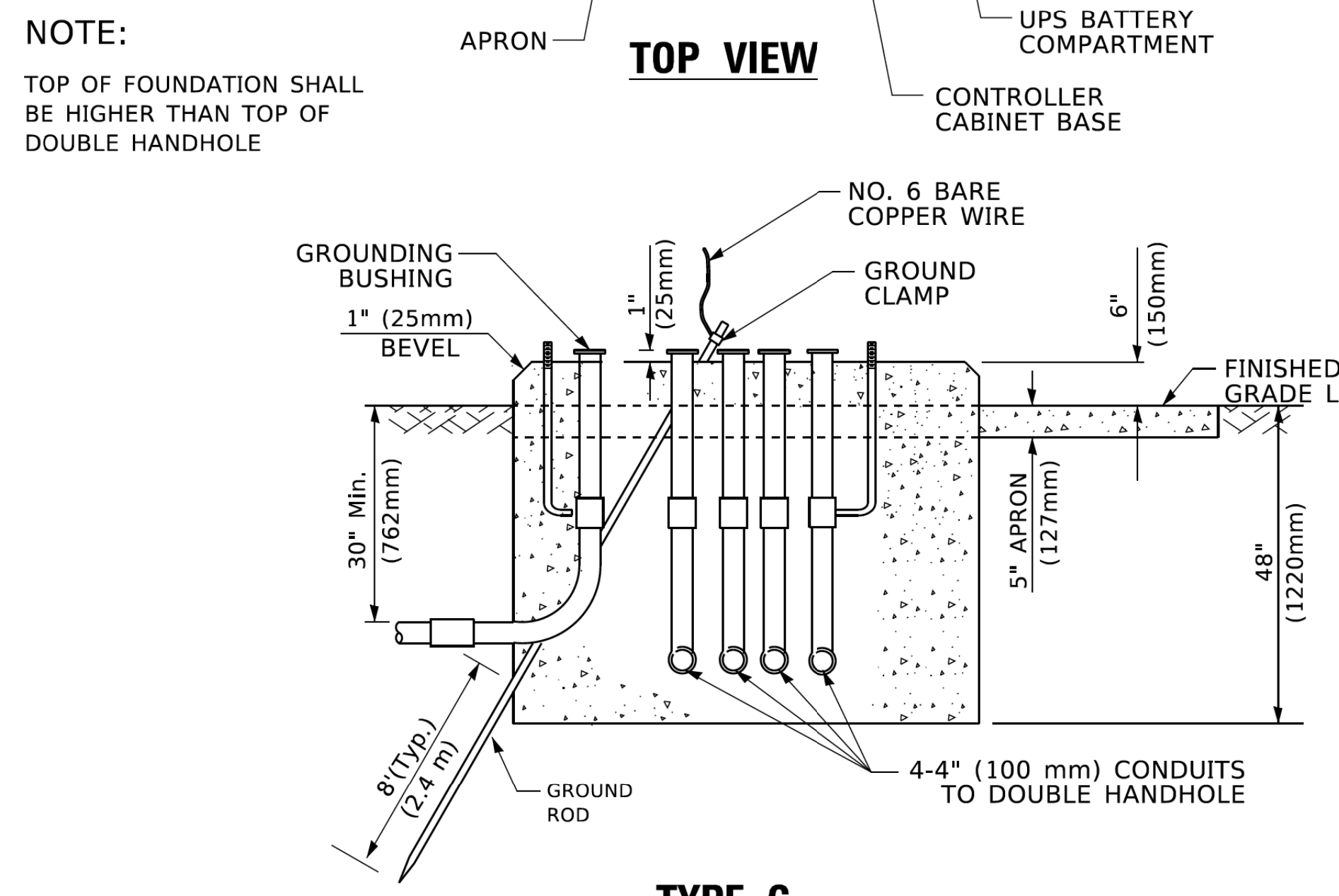
TOP VIEW



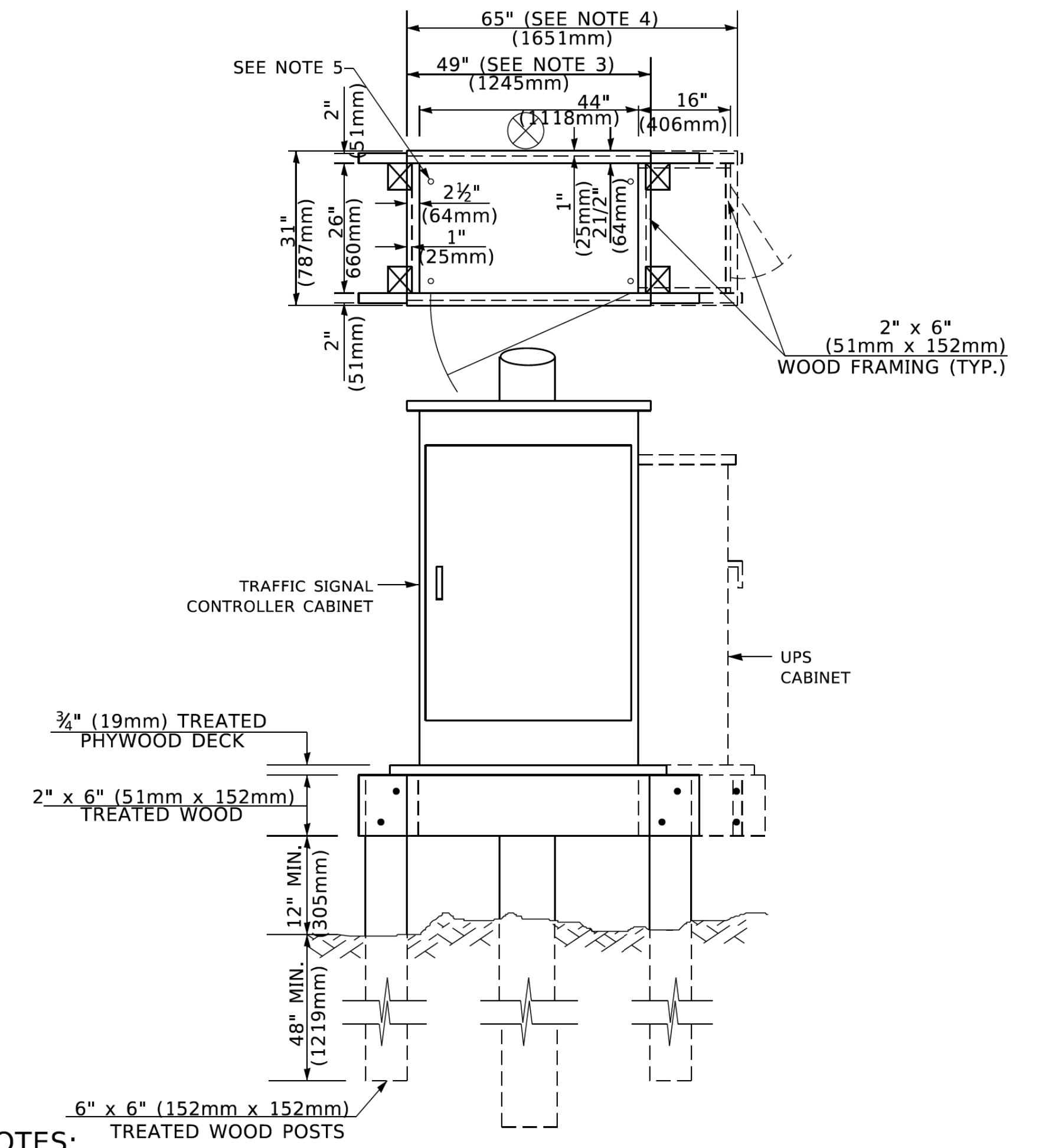
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



TOP VIEW



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



- NOTES:**
1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
 4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
 5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
 6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

- NOTES:**
1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
 2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
 3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
 4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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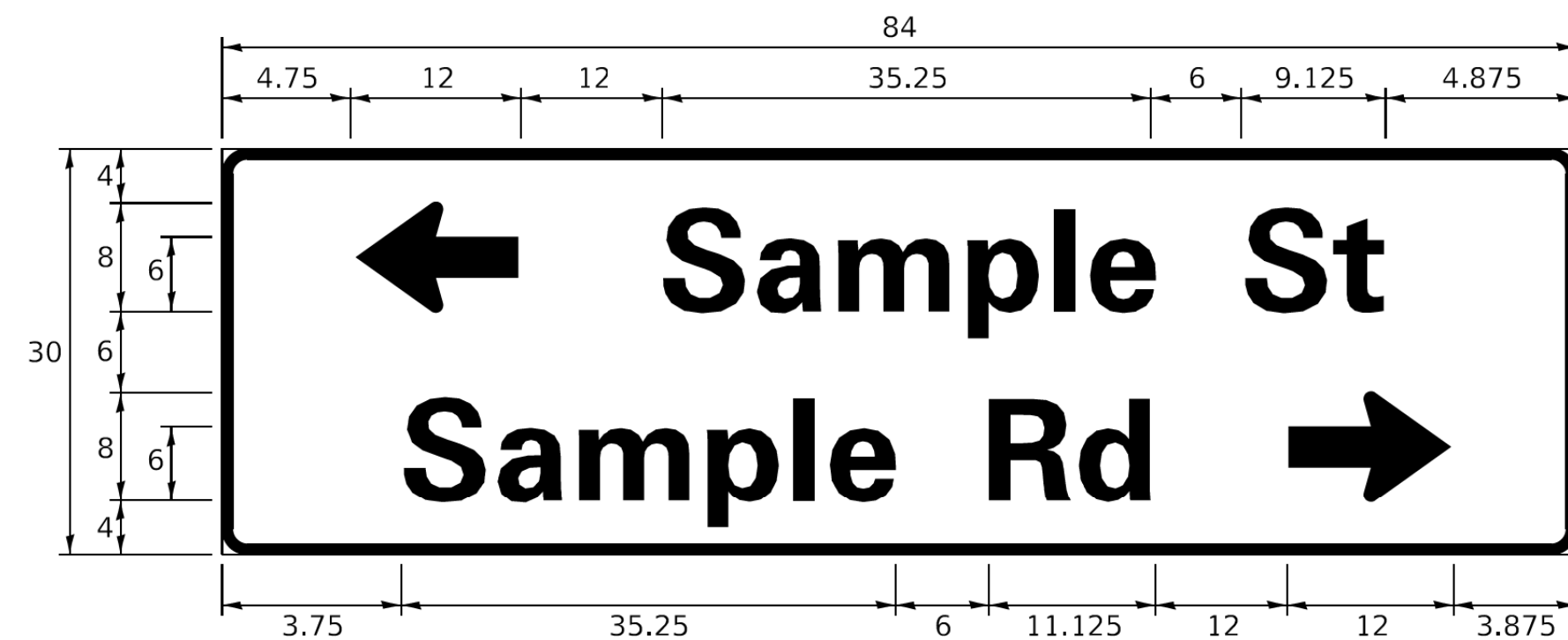
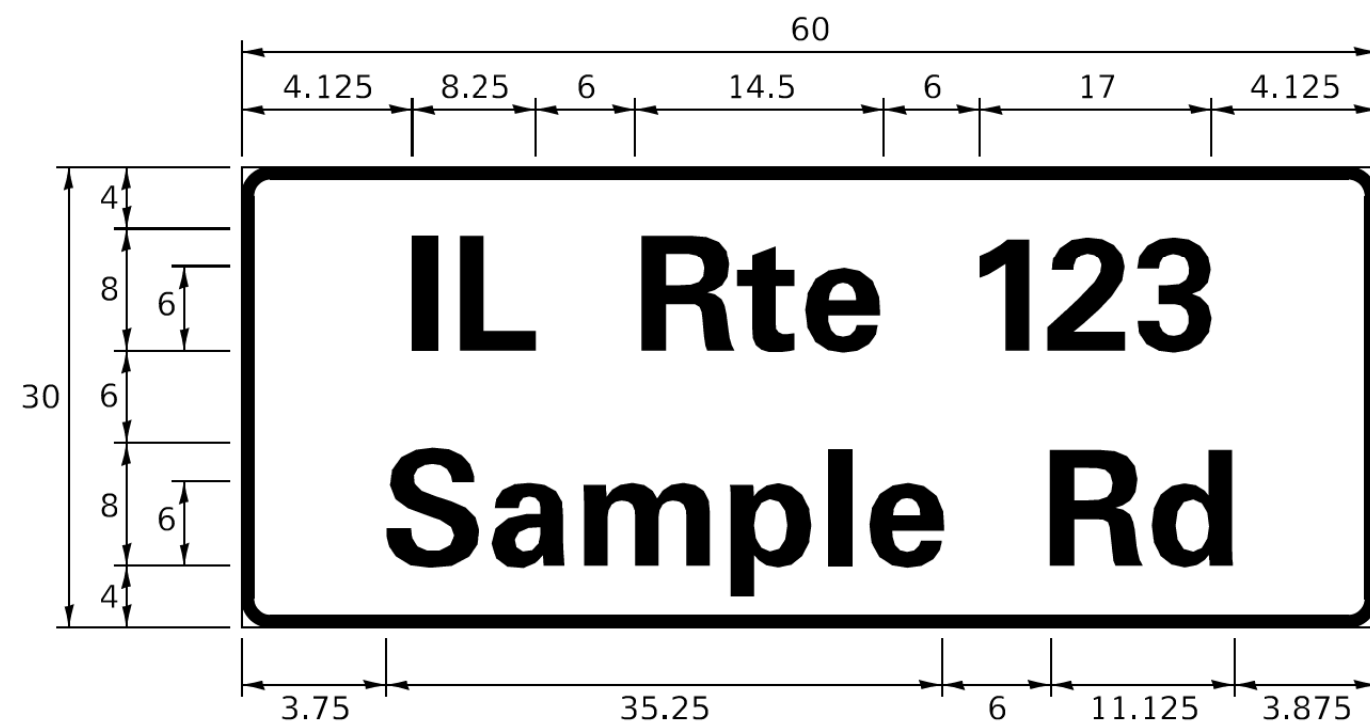
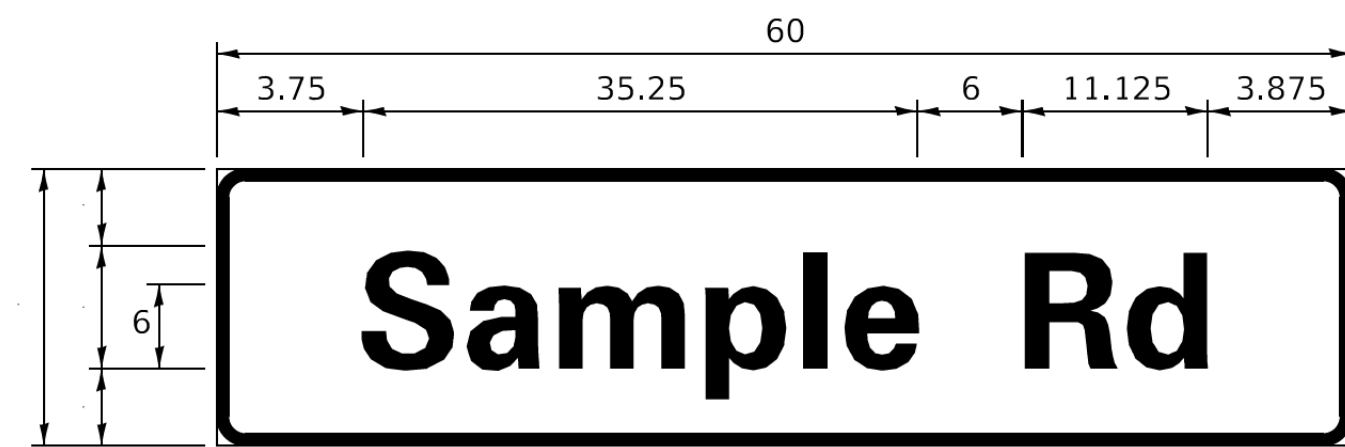
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 5	OF 7 SHEETS	STA. TO STA.

F.A.U. RTE. 350/1294	SECTION 19-00203-00-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 51
TS-05		CONTRACT NO. 61J16		
ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
- SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
- BRACKETS SELF TAPPING WITH NEOPRENE WASHER PART #HPN034 (UNIVERSAL)
- CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

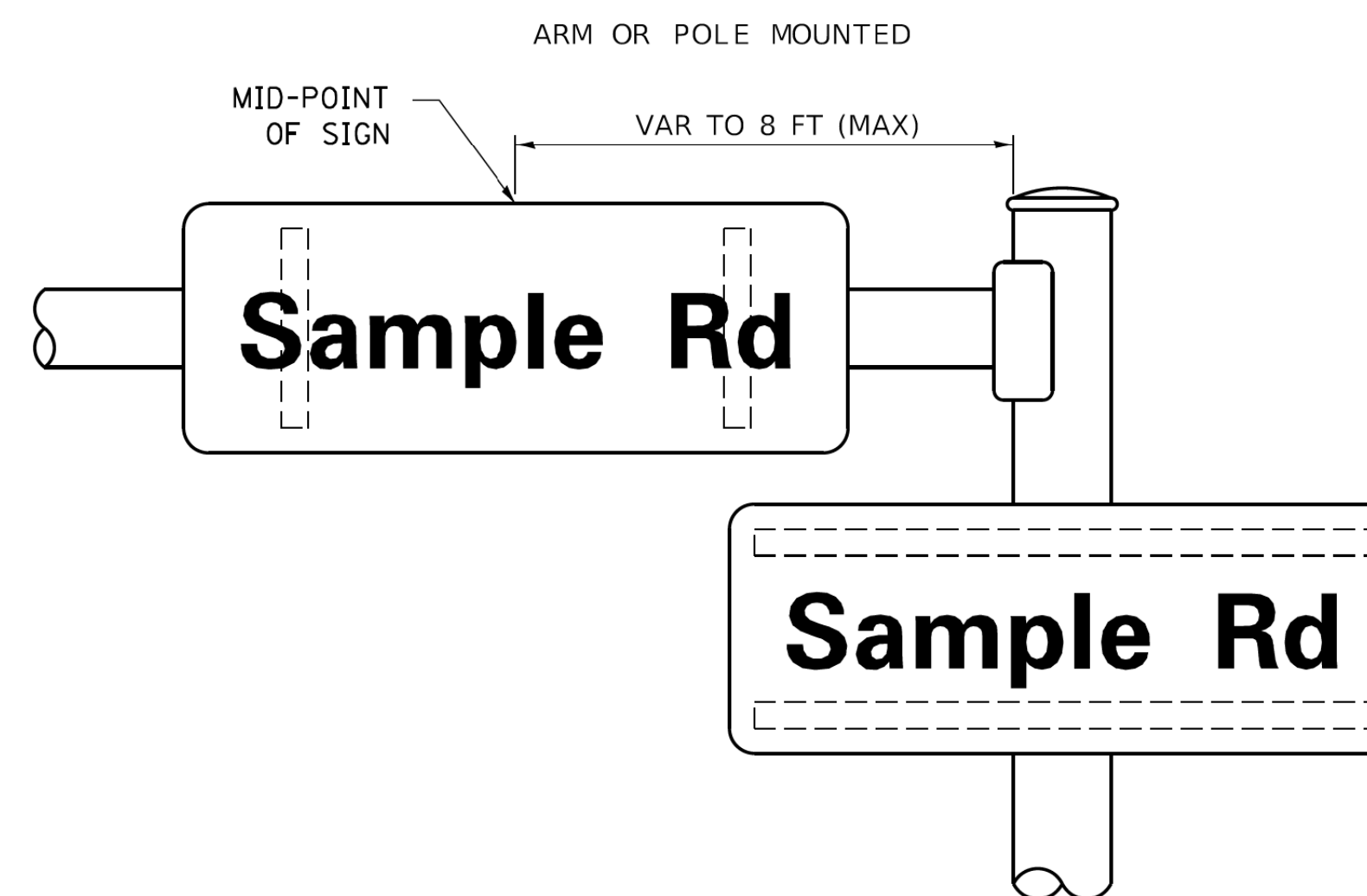
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

STANDARD ALPHABETS SPACING CHART

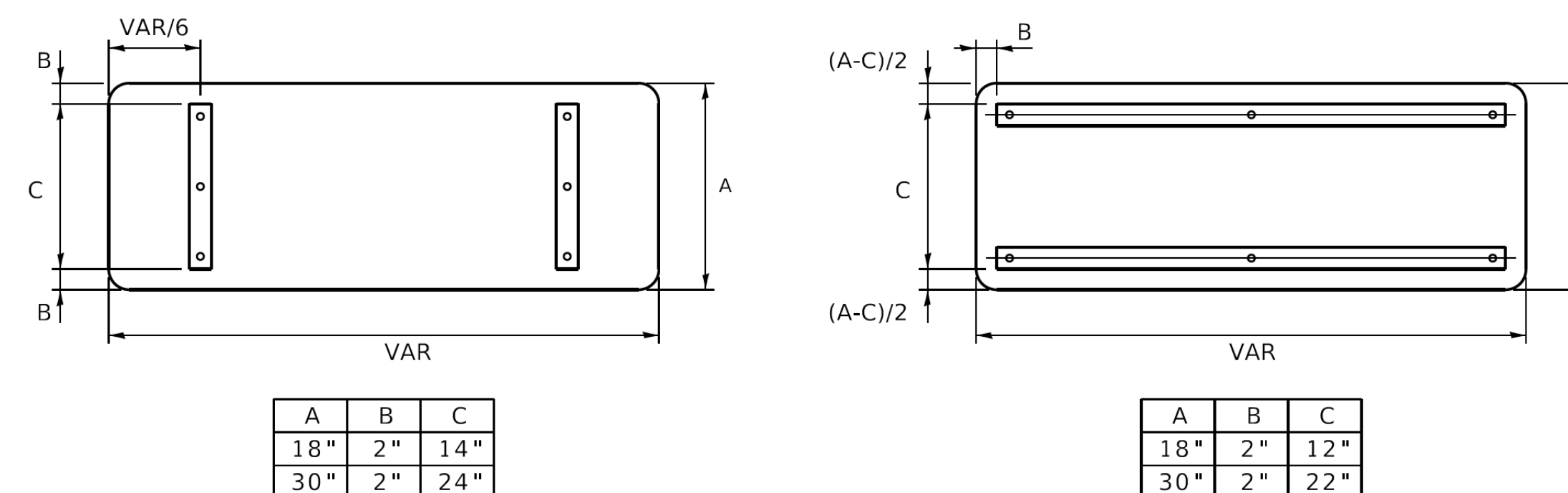
(8") UPPER CASE AND (6") LOWER CASE

CHARACTER	FHWA SERIES "C"			FHWA SERIES "D"			
	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.004	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

MOUNTING LOCATION



SUPPORTING CHANNELS



TS SHT NO. 08

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PLOT DATE = 3/4/2019	CHECKED - IP	REVISED -
	DATE - 10/01/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 350/1294	SECTION 19-00203-00-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 54
TS-02		CONTRACT NO. 61J16		
ILLINOIS FED. AID PROJECT				



NOTES:

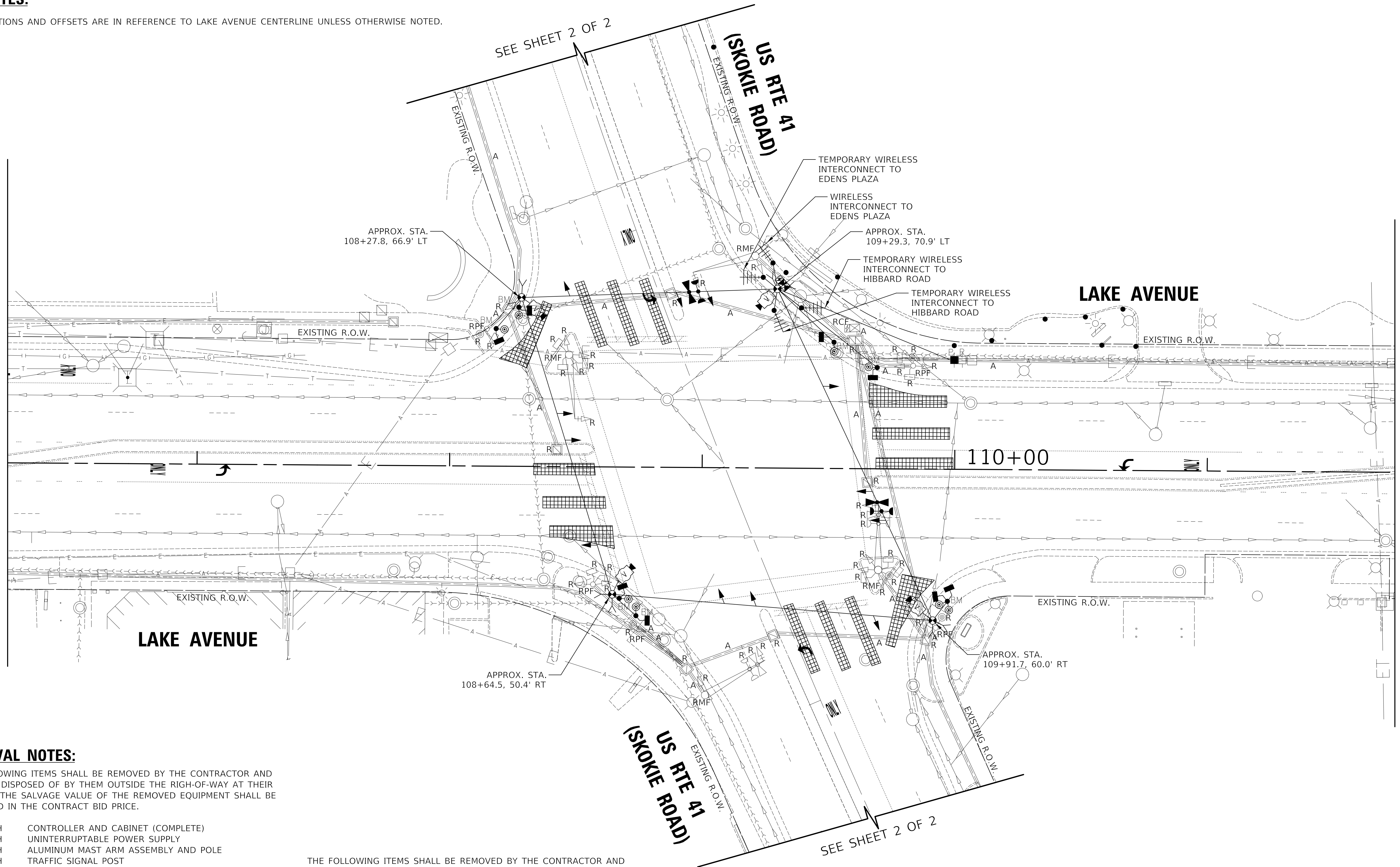
- 1. STATIONS AND OFFSETS ARE IN REFERENCE TO LAKE AVENUE CENTERLINE UNLESS OTHERWISE NOTED.

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NO.	

MATCH LINE STA 106+25
SEE SHEET 2 OF 2

MATCH LINE STA 111+75
SEE SHEET 2 OF 2



REMOVAL NOTES:

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)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY
- 4 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 8 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 4 EACH SIGNAL BACKPLATES
- 12 EACH PEDESTRIAN SIGNAL HEAD
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE VILLAGE OF WILMETTE. THE CONTRACTOR SHALL ARRANGE FOR THE PICKUP OF THE EQUIPMENT BY THE VILLAGE AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

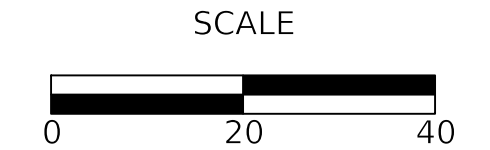
TS SHT NO. 09
MODEL: SH02DELNAME
FILE NAME: ...09_TS09_Lake-Skokie-Temporary Signal Sheet 1 of 2.dgn



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CHECKED - JJE	REVISED -
DATE - 11/28/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
TEMPORARY SIGNAL INSTALLATION AND REMOVAL PLAN (SHEET 1 OF 2)

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	55
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

TS 1510
ECON 10

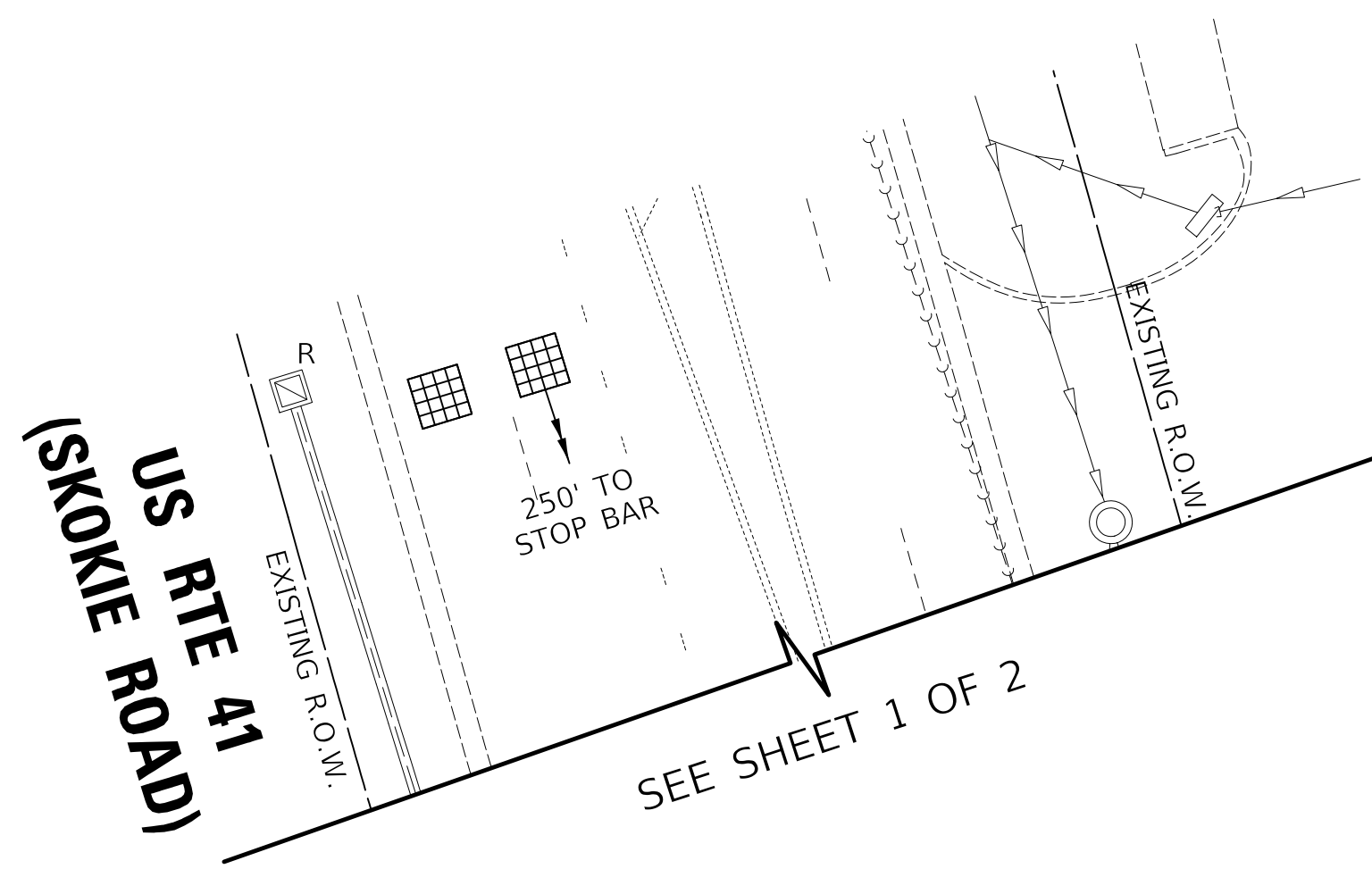
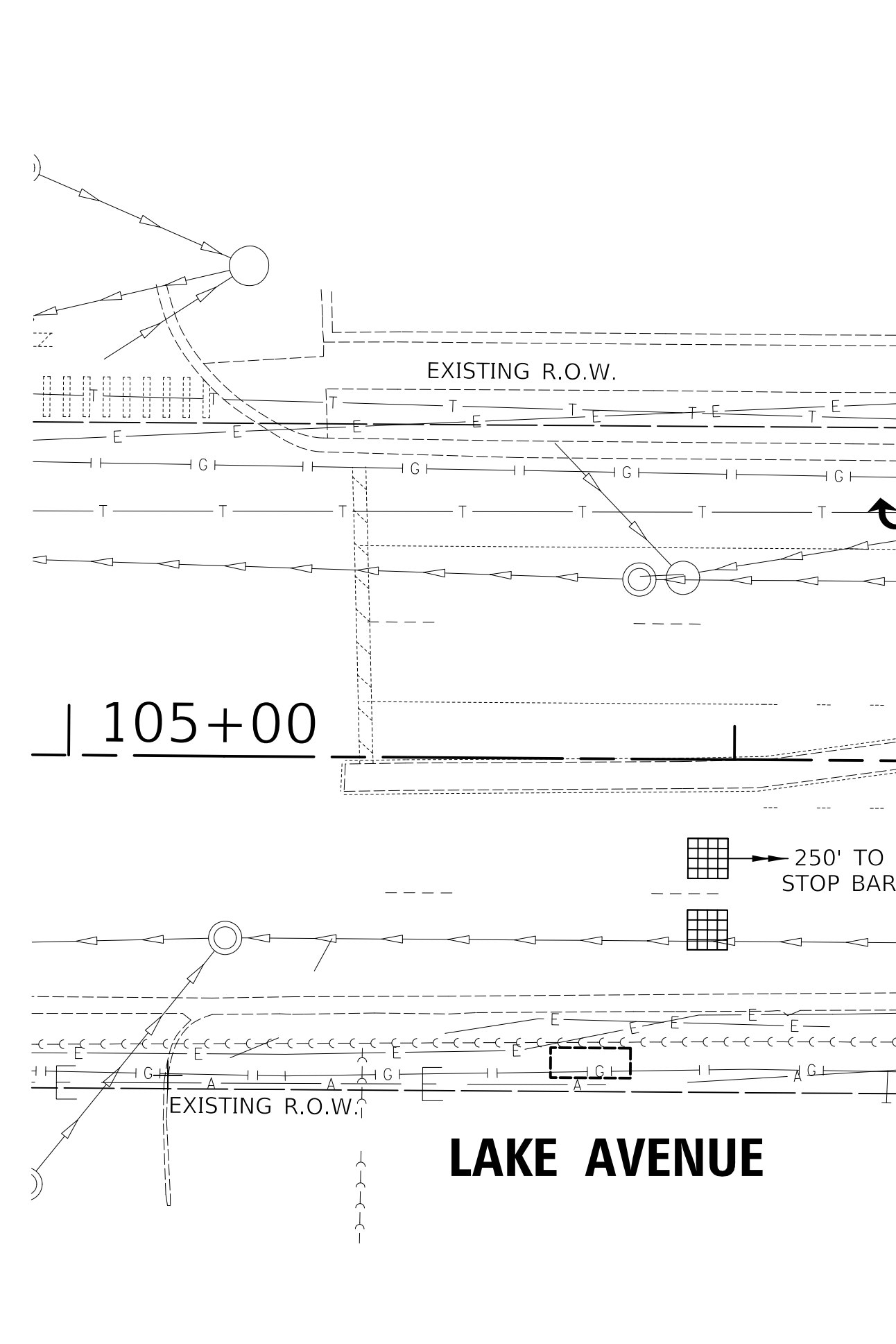


PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

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

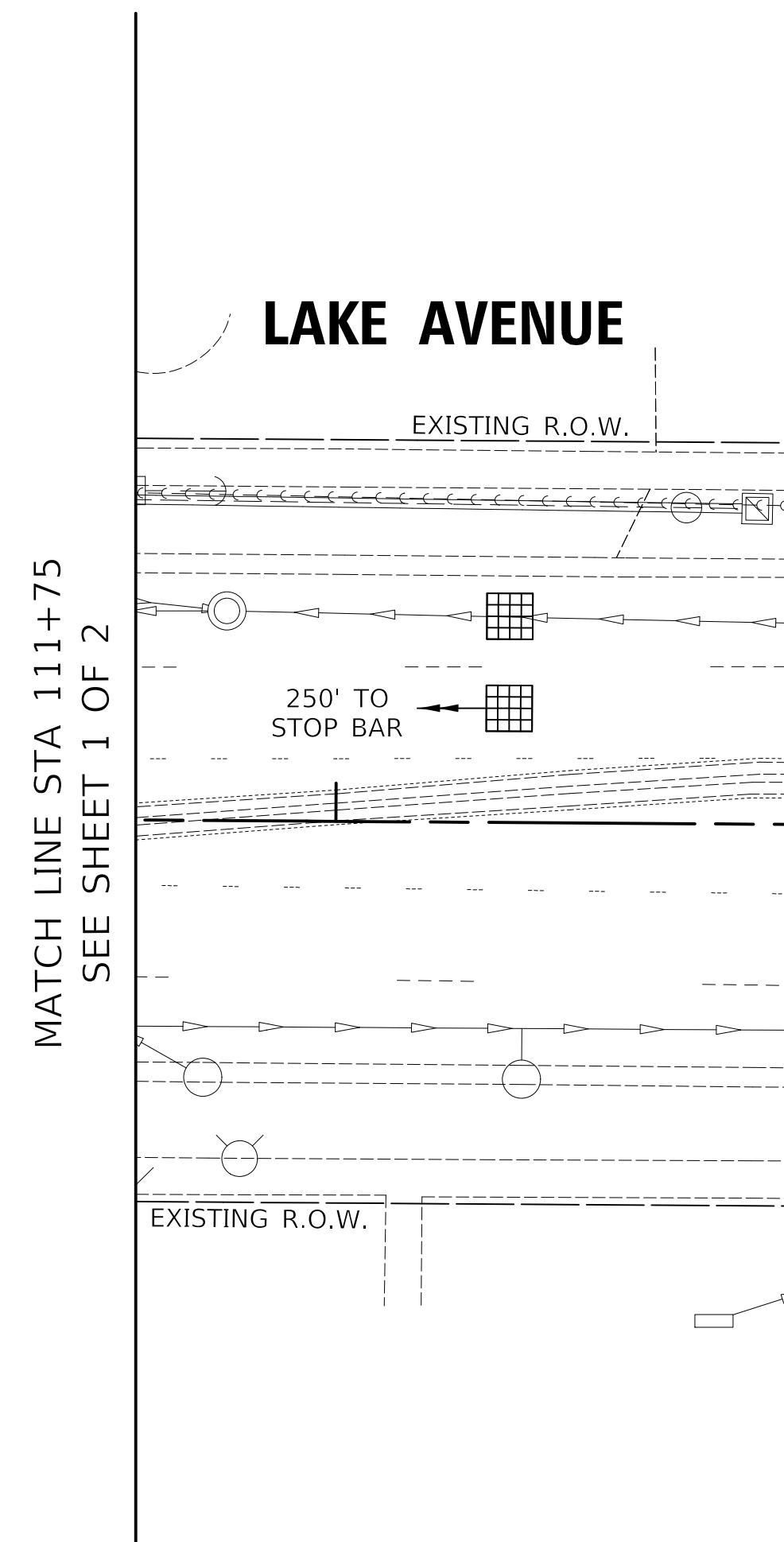
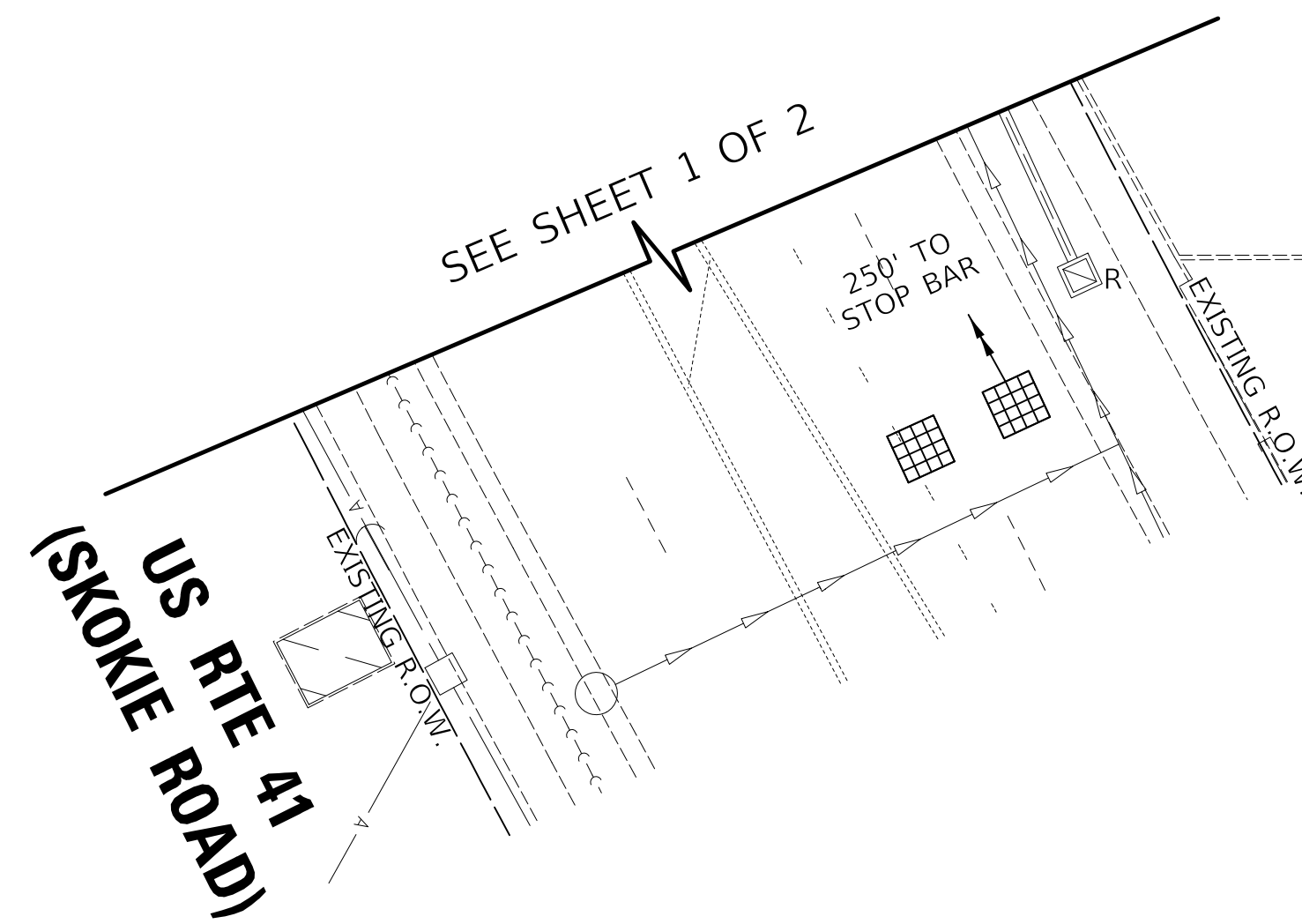
TS SHT NO. 10

MODEL: S:\MODEL\NAMES
FILE NAME: ...10_TS10_Lake-Skokie-Temporary Signal Sheet 2 of 2.dgn



NOTES:

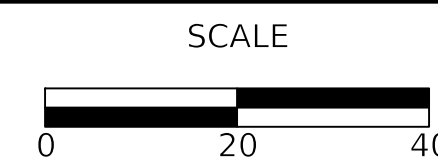
1. STATIONS AND OFFSETS ARE IN REFERENCE TO LAKE AVENUE CENTERLINE UNLESS OTHERWISE NOTED.



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CHECKED	- JJE	REVISED	-
DATE	- 11/28/2022	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
TEMPORARY SIGNAL INSTALLATION AND REMOVAL PLAN (SHEET 2 OF 2)**

SHEET 2 OF 2 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	56
				CONTRACT NO 61116
		ILLINOIS	FED AID PROJECT	

**TS 1510
ECON 10**

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHK'D	
	NO.	

TS SHT NO. 11

MODEL: SH02DELNAM65
FILE NAME: ...11_1511_Lake-Skokie-Temporary Cable Plan.dgn

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE	
SIGNAL HEAD	3 - SECTION	4	11	44.0
	4 - SECTION	-	14	-
	5 - SECTION	8	13	104.0
PROGRAMMABLE SIGNALS				
	3 - SECTION	-	22	-
	4 - SECTION	-	32	-
	5 - SECTION	-	28	-
PED. SIGNAL	8	15	120.0	
CONTROLLER	1	150	150.0	
MASTER CONTROLLER	-	100	-	
UPS	1	25	25.0	
DETECTION	RADAR	-	20	-
	VIDEO	4	20	80.0
TOTAL UPS SIZING = 523.0				
UPS CHARGING	1	225	225.0	
BATTERY HEATER MAT	1	180	180.0	
CABINET HEATER	1	200	200.0	
FLASHER	-	15	-	
LED STREET NAME SIGN	-	120	-	
LUMINAIRE	-	240	-	
TOTAL SERVICE WIRE SIZING = 1128.0				

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 CENTER ST,
SCHAUMBURG, IL 60196
ENERGY SUPPLY: CONTACT: -----
PHONE: -----
COMPANY: COMED
ACCOUNT NUMBER: 00711-14095

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Itasca, Illinois 60143
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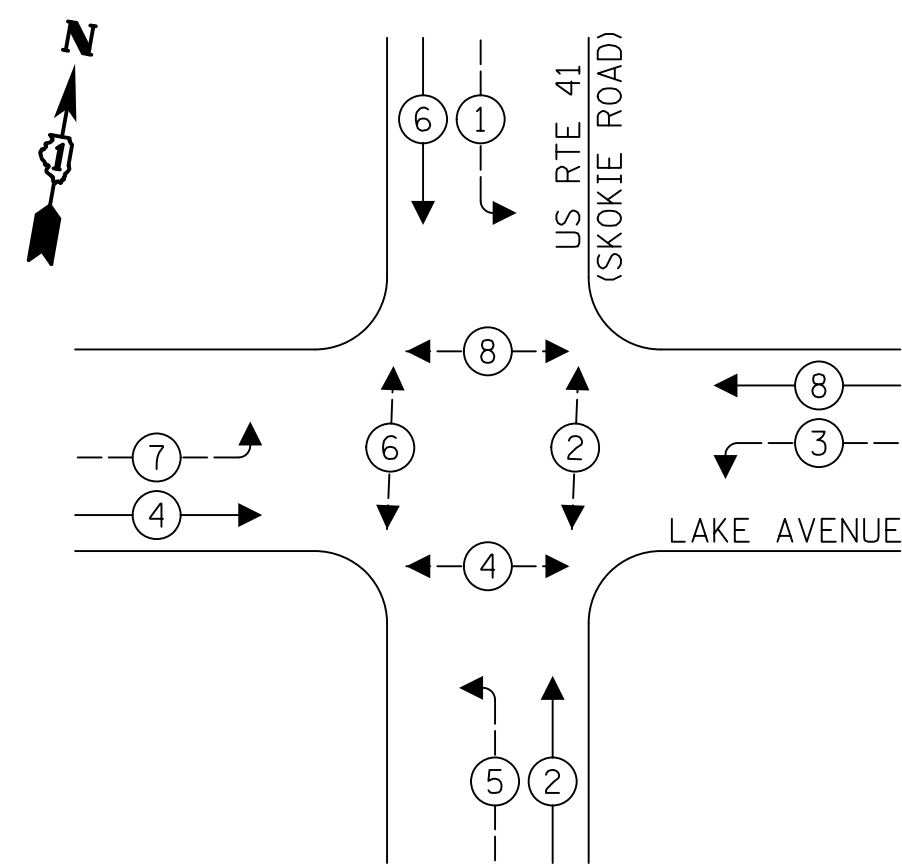
DESIGNED	-	AS	REVISED	-	1/19/2023
DRAWN	-	AS	REVISED	-	
CHECKED	-	JJE	REVISED	-	
DATE	-	11/28/2022	REVISED	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/1292	19-00203-02-CH	COOK	99	57
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

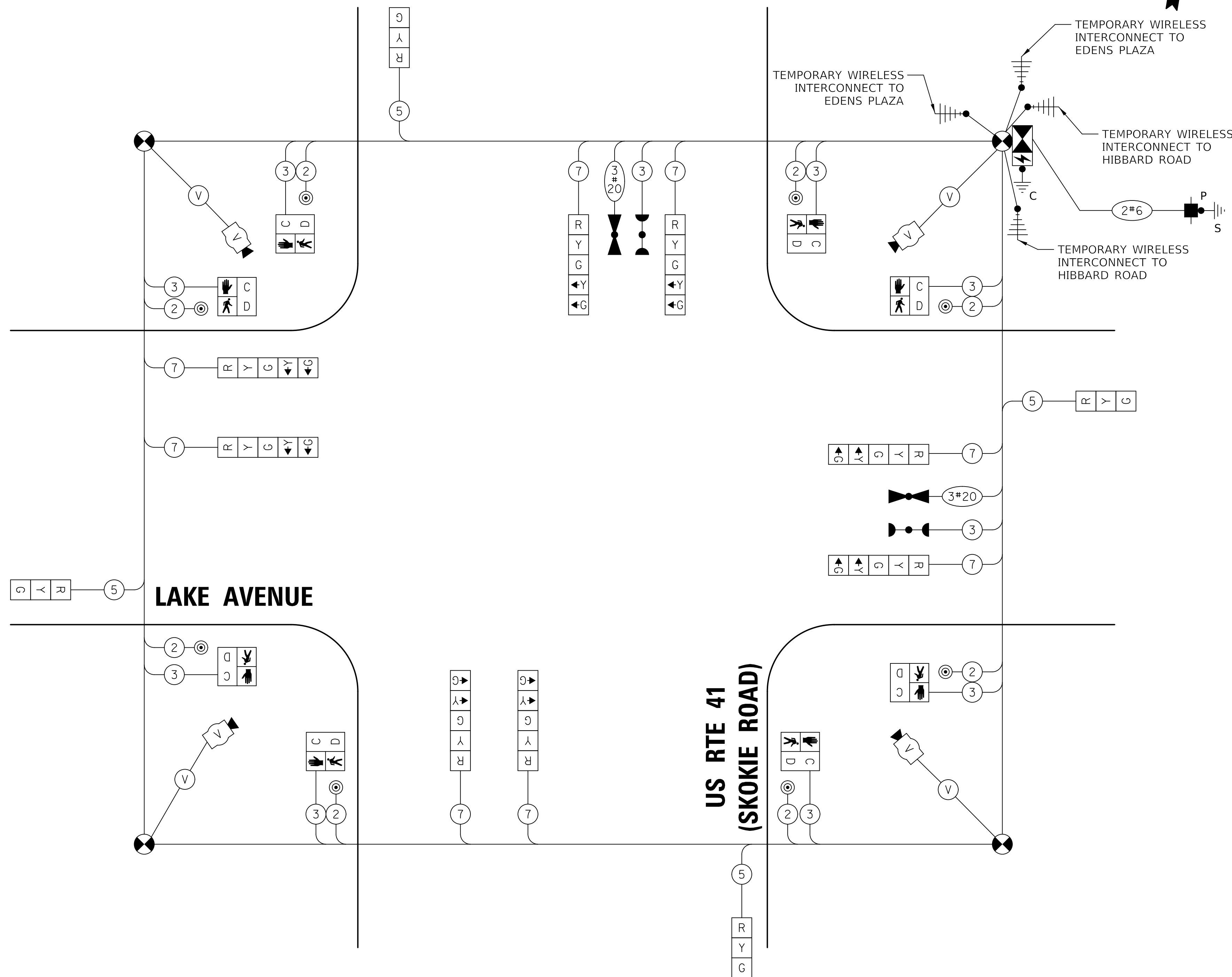
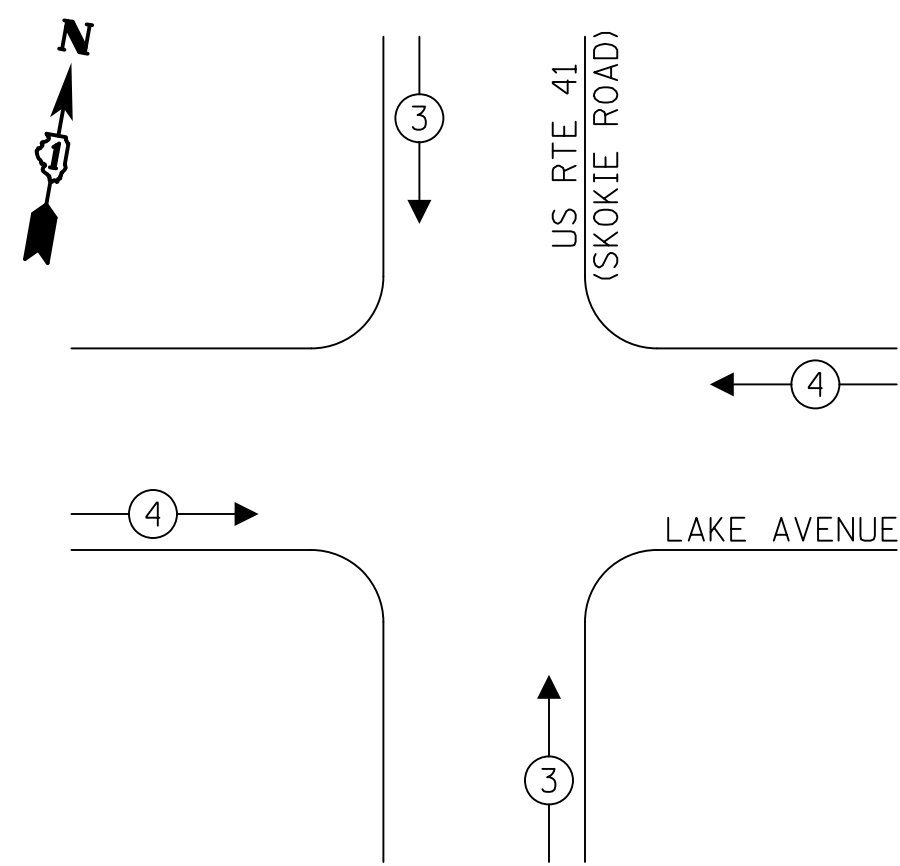
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ — PROTECTED PHASE
- ← ⊙ — PROTECTED/PERMITTED PHASE
- ← ⊙ — PEDESTRIAN PHASE
- ← ⊙ OL — OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY CABLE PLAN
(NOT TO SCALE)

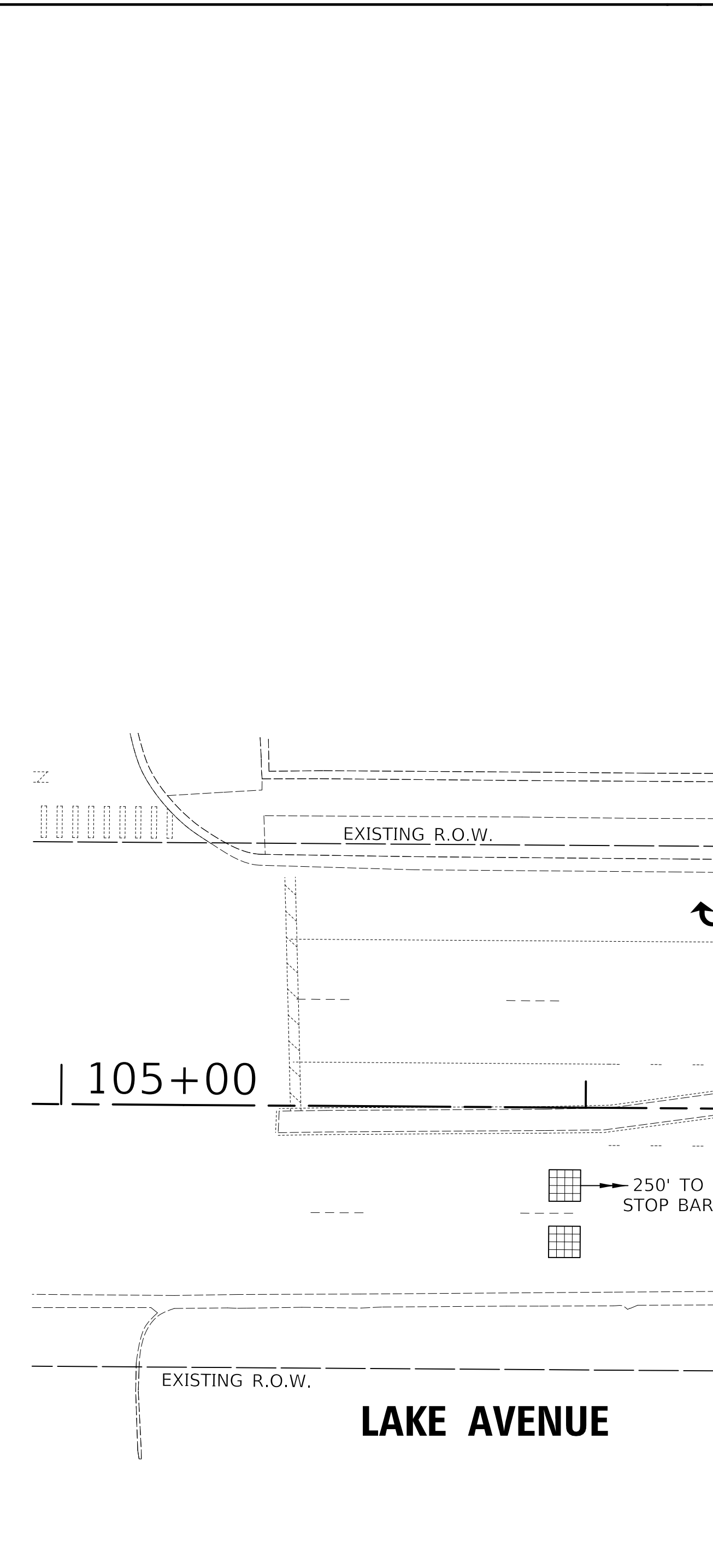
**TS 1510
ECON 10**



PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	STRUCTURE NOTATION CHECKED		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION CHECKED		

MODEL: SH02DENAMES
 FILE NAME: ...13_TS1513_Lake-Skokie-Traffic Signal Modernization Sheet 2 of 2.dgn
TS SHT NO. 13



MATCH LINE STA 106+25
SEE SHEET 1 OF 2

250' TO STOP BAR

10'-UC-2"
(CAPPED) FOR
FUTURE USE

**US RTE 41
(SKOKIE ROAD)**

EXISTING R.O.W.

250' TO STOP BAR

MATCH LINE STA 10+00
SEE SHEET 1 OF 2

MATCH LINE STA 6+25
SEE SHEET 1 OF 2

**US RTE 41
(SKOKIE ROAD)**

EXISTING R.O.W.

250' TO STOP BAR

PROPOSED INTERCONNECT
TO HIBBARD ROAD

MATCH LINE STA 111+75
SEE SHEET 1 OF 2

LAKE AVENUE

EXISTING R.O.W.

250' TO STOP BAR

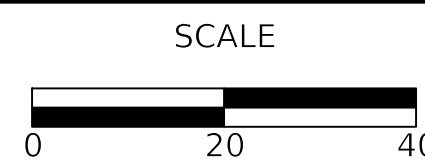
EXISTING R.O.W.



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DEPARTMENT OF TRANSPORTATION**



**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)**

SHEET 2 OF 2 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	59
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

**TS 1510
ECON 10**

PLAN	DATE
NO.	
BY	
DATE	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
FIELD FILE NAME	
NOTE BOOK	
NO.	

PROFILE	DATE
NO.	
BY	
DATE	
SURVEYED	
GRADES CHECKED	
STRUCTURE NOTATION	
NO.	

TS SHT NO. 14

MODEL: SH01DELNAMRES
FILE NAME: ...14_TS14_Lake-Skokie-Cable_Plan.dgn

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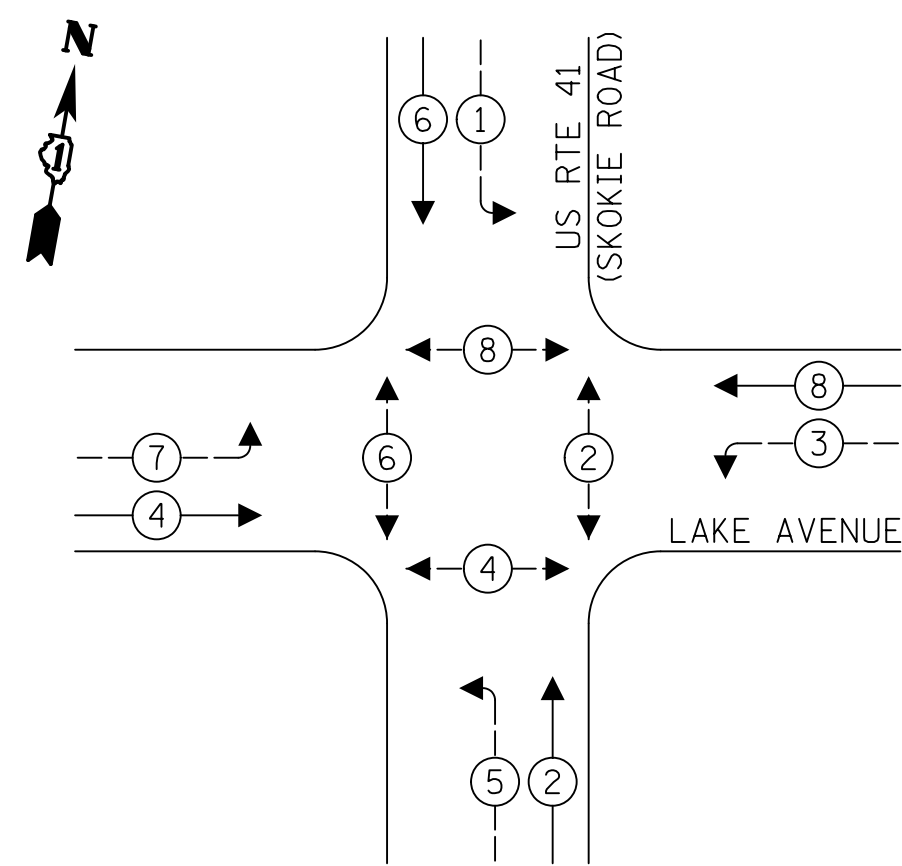
DESIGNED	-	AS	REVISED	-	1/19/2023
DRAWN	-	AS	REVISED	-	
CHECKED	-	JJE	REVISED	-	
DATE	-	11/28/2022	REVISED	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	60
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

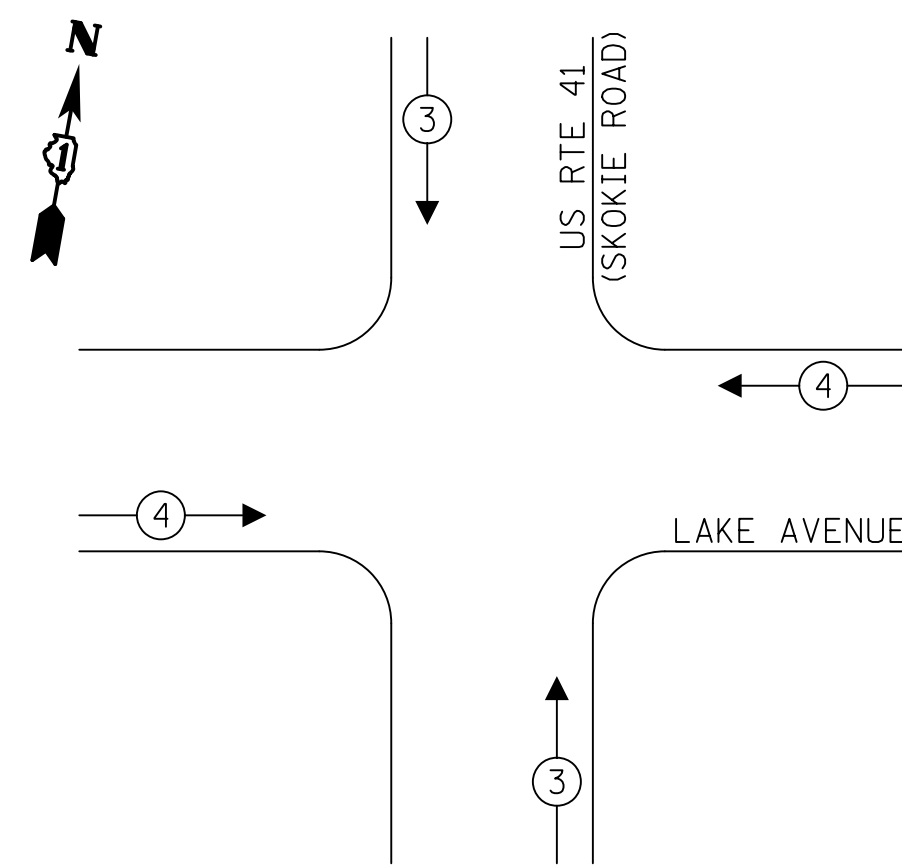
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ← ⊛ → PROTECTED PHASE
- ← ⊛ → PROTECTED/PERMITTED PHASE
- ← ⊛ → PEDESTRIAN PHASE
- ← ⊛ OL → OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

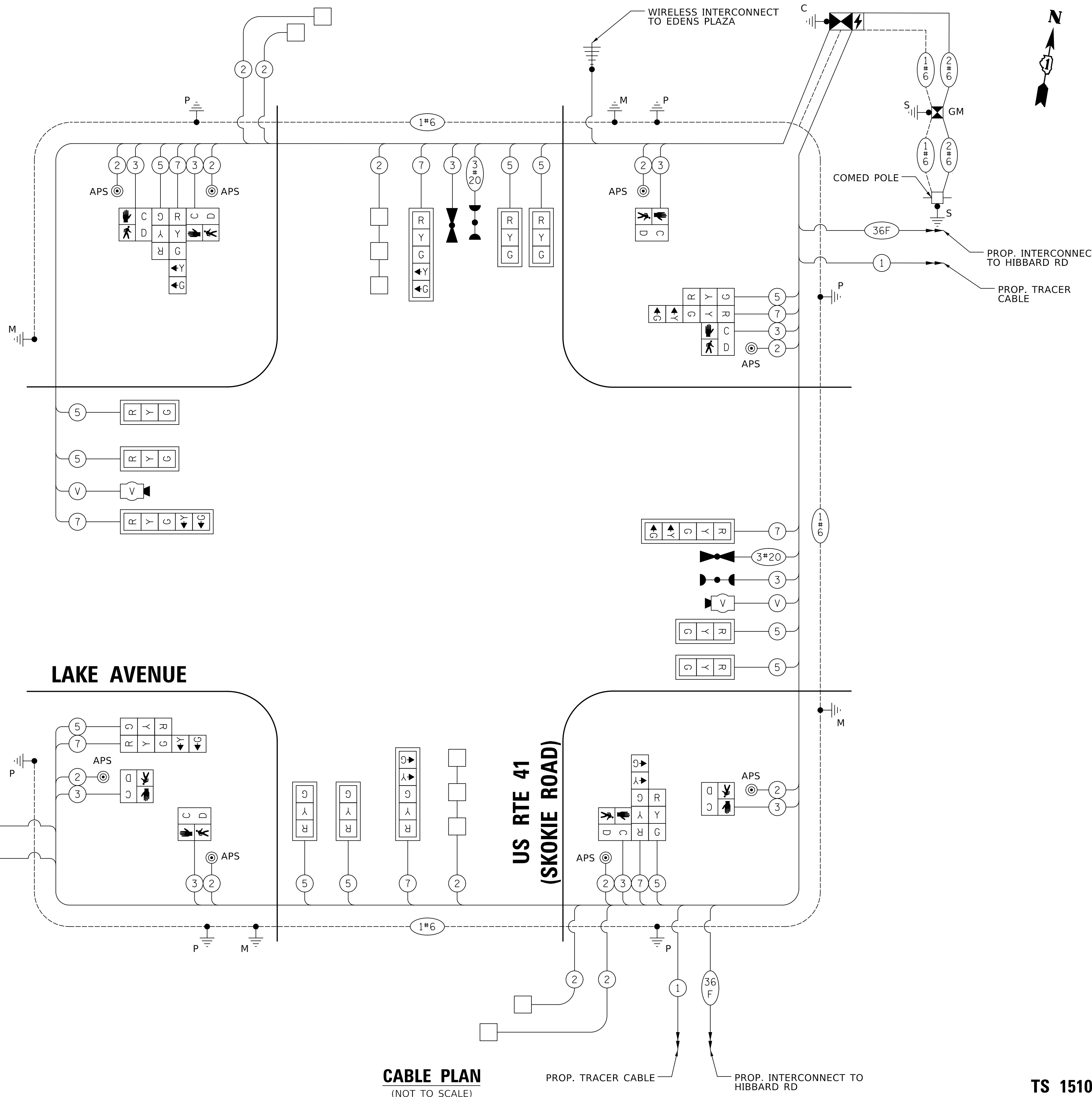


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE	
SIGNAL HEAD	3 - SECTION	12	11	132.0
	4 - SECTION	-	14	-
	5 - SECTION	8	13	104.0
PROGRAMMABLE SIGNALS				
	3 - SECTION	-	22	-
	4 - SECTION	-	32	-
	5 - SECTION	-	28	-
PED. SIGNAL	8	15	120.0	
CONTROLLER	1	150	150.0	
MASTER CONTROLLER	-	100	-	
UPS	1	25	25.0	
DETECTION	RADAR	-	20	-
	VIDEO	2	20	40.0
BLANK-OUT SIGN	-	25	-	
NETWORK SWITCH II OR III	-	35	-	
CELLULAR MODEM	-	15	-	
TOTAL UPS SIZING =				571.0
UPS CHARGING	1	225	225.0	
BATTERY HEATER MAT	1	180	180.0	
CABINET HEATER	1	200	200.0	
FLASHER	-	15	-	
LED STREET NAME SIGN	-	120	-	
LUMINAIRE	-	240	-	
TOTAL SERVICE WIRE SIZING =				1176.0

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 CENTER ST,
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: -----
PHONE: -----
COMPANY: COMED
ACCOUNT NUMBER: 00711-14095



**TS 1510
ECON 10**

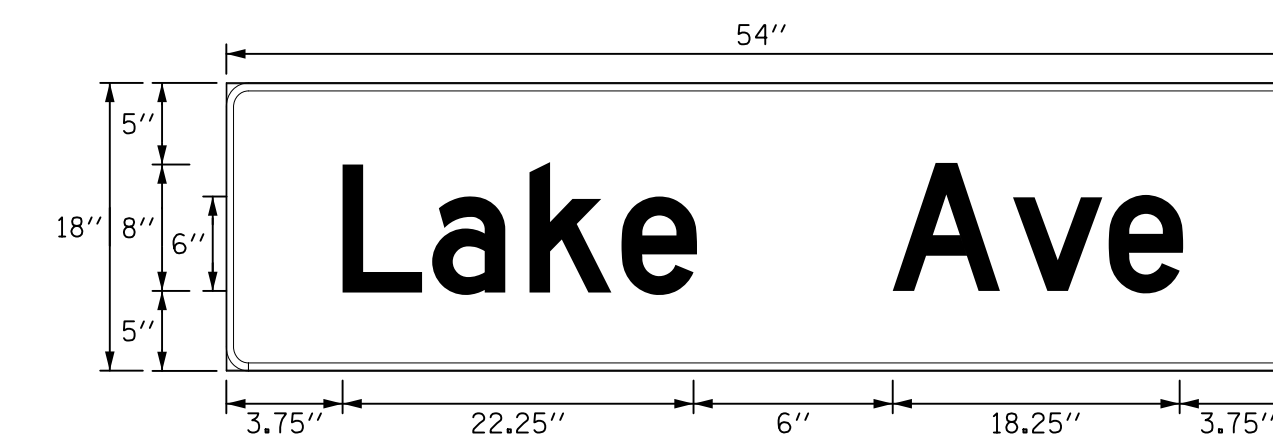
SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
SIGN PANEL - TYPE 1	SQ FT	14
SIGN PANEL - TYPE 2	SQ FT	23
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	703
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	221
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	549
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1573
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2017
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2810
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1869
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2077
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	88
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1091
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	14
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	735
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	388
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
VIDEO VEHICLE DETECTION, SINGLE APPROACH	EACH	2
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF WILMETTE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	11.25	TYPE 2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.75	TYPE 1	ZZ	2

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

TS SHT NO. 15

MODEL: SH01DELNAME
FILE NAME: ...15_TS15_Lake-Skokie-Street Name Signs & 500.dgn



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DATE - 11/28/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
MAST ARM MOUNTED STREET NAME SIGNS AND
SCHEDULE OF QUANTITIES**

SHEET 1 OF 1 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	61
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

**TS 1510
ECON 10**

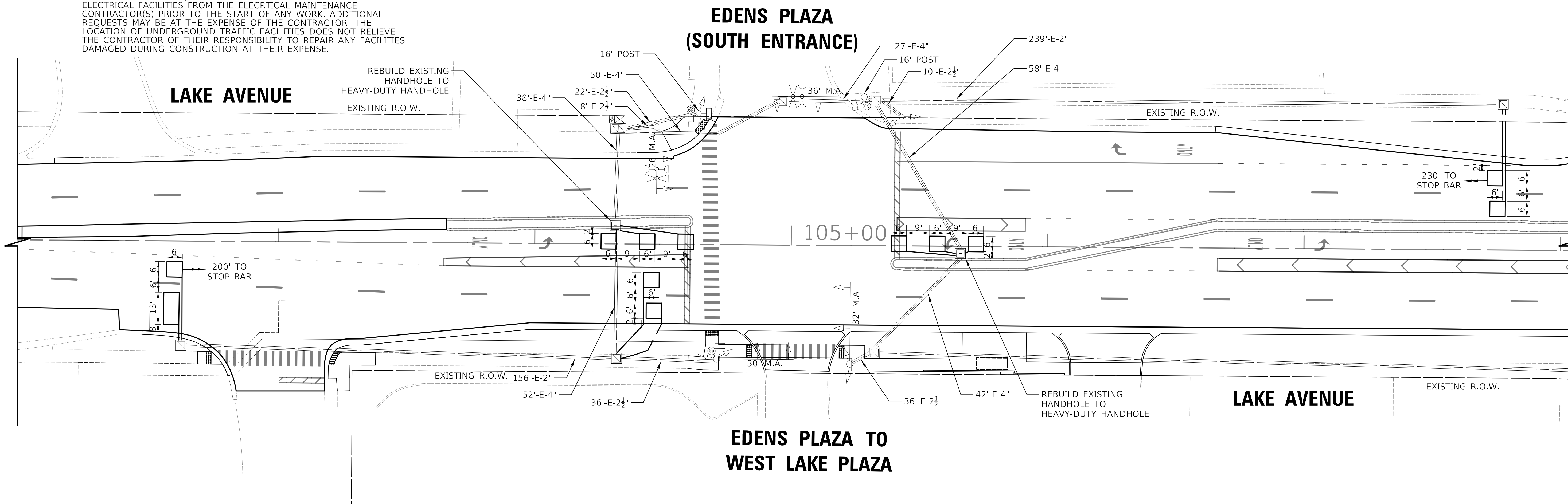
NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO LAKE AVENUE CENTERLINE UNLESS OTHERWISE NOTED.
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN IN THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
3. CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, FIBER CABLES AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUITS, CABLES AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUITS, CABLES AND/OR EQUIPMENT AT NO COST TO THE COUNTY.
4. THE COUNTY IS NOT PART OF JULIE FOR LOCATION OF TRAFFIC SIGNAL EQUIPMENT. CONTACT THE MECHANICAL, ELECTRICAL, ARCHITECTURAL AND LANDSCAPING DIVISION AT 312-603-1734.
5. FOR THE LOCATION OF UNDERGROUND COUNTY MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".
6. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER OWN EXPENSE FOR LOCATING EXISTING CCDOH FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING CCDOH ELECTRICAL FACILITIES FROM THE ELECTRICAL MAINTENANCE CONTRACTOR(S) PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.



PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	ALIGNMENT CHECKED	
	CONSTRUCTION CHECKED	
	CADD FILE NAME	

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



TS SHT NO. 16

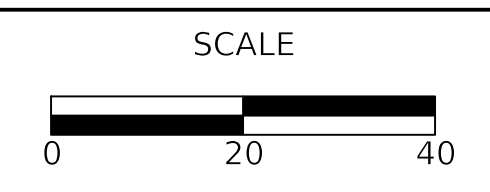
MODEL: SH02ELNAMES
FILE NAME: ...16_TS16_Lake-Edens-Traffic Signal Modernization Sheet 1 of 1.dgn



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Itasca, Illinois 60143
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**LAKE AVENUE AND EDENS PLAZA
TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 1)**

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	62
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

**TS 1510
ECON 10**

SHEET 1 OF 2 SHEETS STA TO STA

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

TS SHT NO. 17

MODEL: SH02ELNAMES
FILE NAME: ...17_TS17_Lake-Edens-Cable_Plan.dgn

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE	
SIGNAL HEAD	3 - SECTION	10	11	110.0
	4 - SECTION	-	14	-
	5 - SECTION	6	13	78.0
PROGRAMMABLE SIGNALS				
	3 - SECTION	-	22	-
	4 - SECTION	-	32	-
	5 - SECTION	-	28	-
PED. SIGNAL	4	15	60.0	
CONTROLLER	1	150	150.0	
MASTER CONTROLLER	-	100	-	
UPS	1	25	25.0	
DETECTION	RADAR	-	20	-
	VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-	
NETWORK SWITCH II OR III	-	35	-	
CELLULAR MODEM	-	15	-	
TOTAL UPS SIZING =			423.0	
UPS CHARGING	1	225	225.0	
BATTERY HEATER MAT	1	180	180.0	
CABINET HEATER	1	200	200.0	
FLASHER	-	15	-	
LED STREET NAME SIGN	-	120	-	
LUMINAIRE	-	240	-	
TOTAL SERVICE WIRE SIZING =			1028.0	

ENERGY COST TO: _____ ENERGY COST SHARE: _____
 COOK COUNTY BUREAU OF ADMINISTRATION
 118 N. CLARK STREET, ROOM 801
 CHICAGO, IL 60602

ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: COMED
 ACCOUNT NUMBER: _____

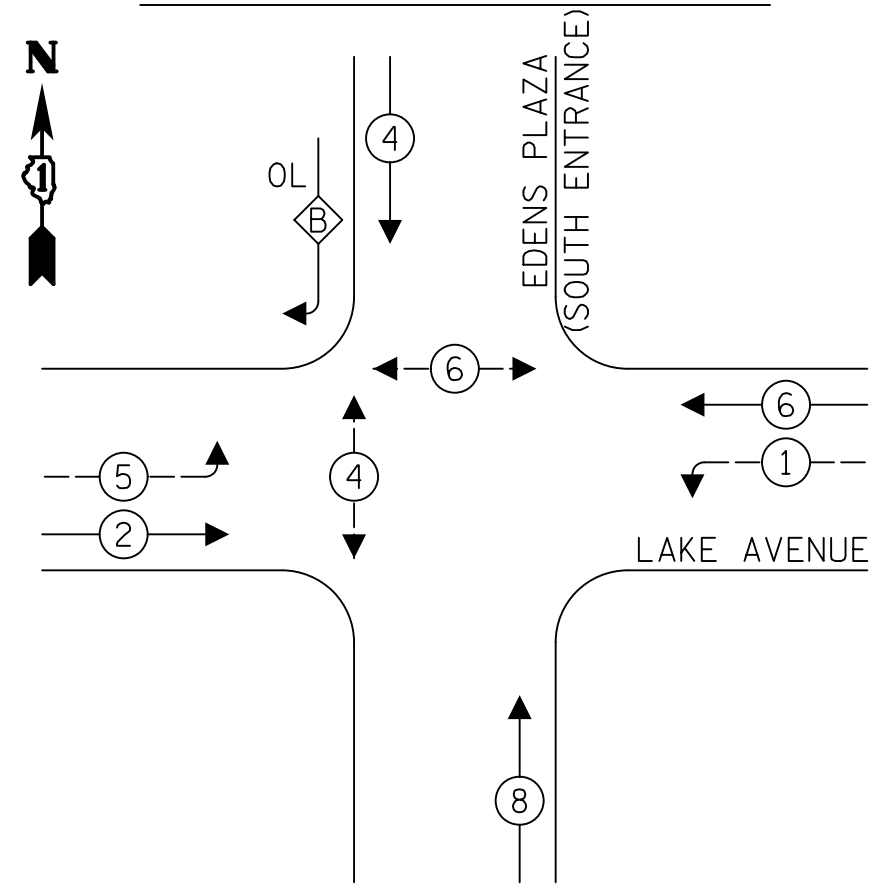
DESIGNED	-	AS	REVISED	-	1/19/2023
DRAWN	-	AS	REVISED	-	
CHECKED	-	JJE	REVISED	-	
DATE	-	11/28/2022	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

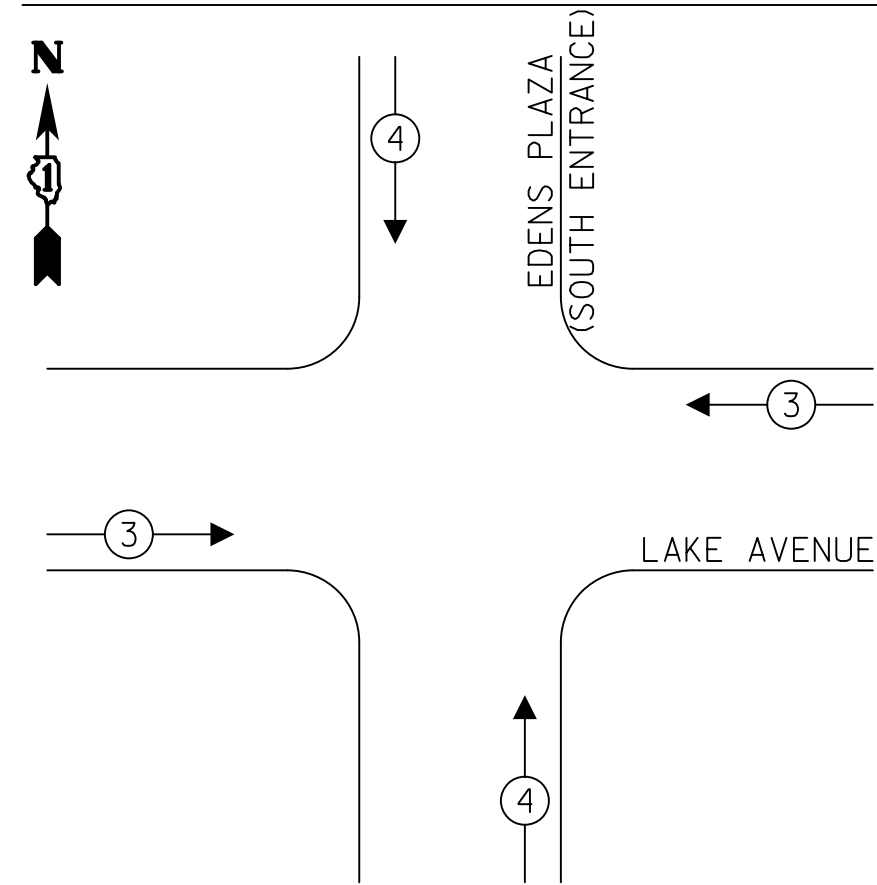
LAKE AVENUE AND EDENS PLAZA
CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/1292	19-00203-02-CH	COOK	99	63
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

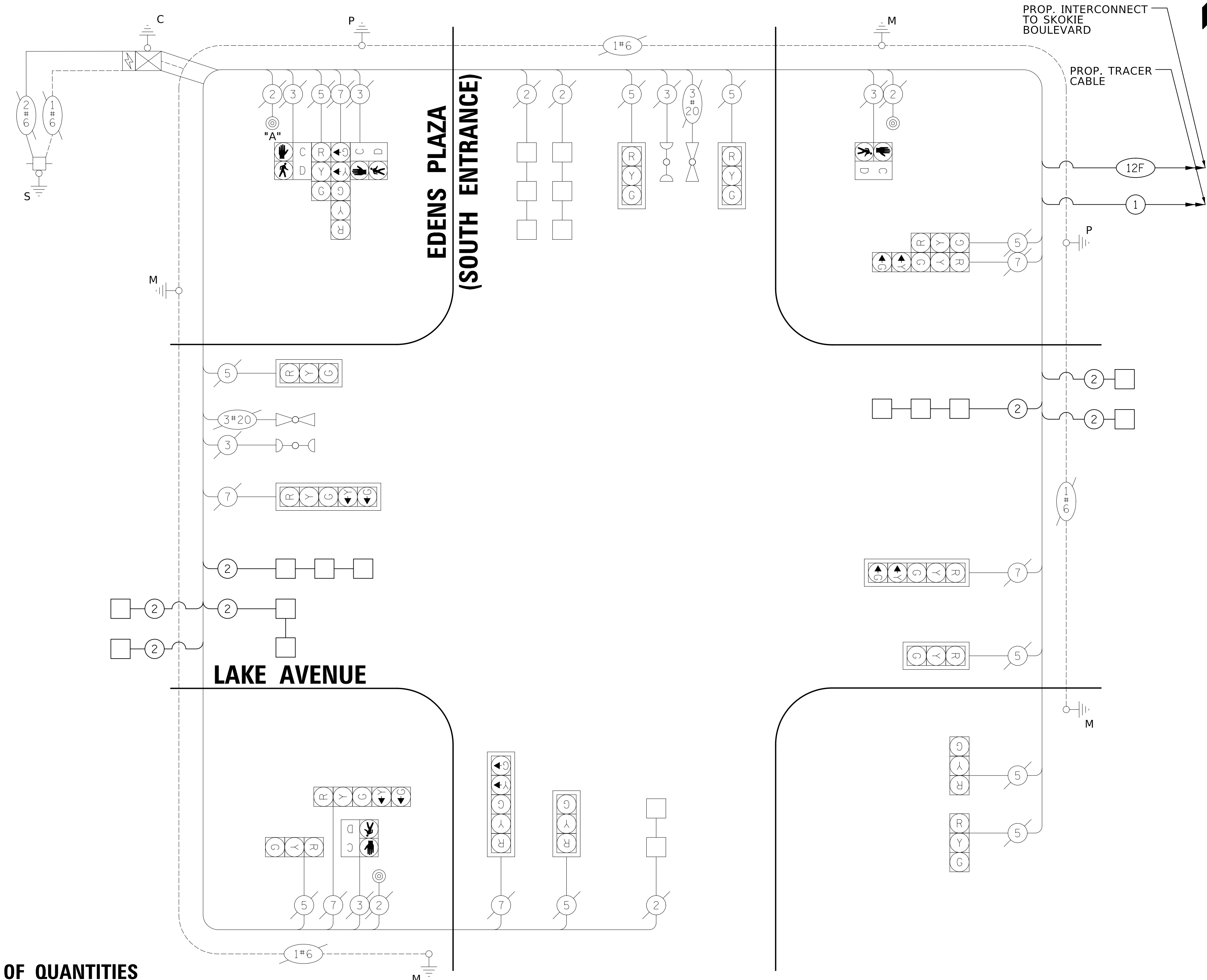
- ← ⊛ → PROTECTED PHASE
- ← ⊛ ⊛ → PROTECTED/PERMITTED PHASE
- ← ⊛ ⊛ → PEDESTRIAN PHASE
- ← ⊛ OL → OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE
 B = 4 + 5

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1787
DETECTOR LOOP, TYPE I	FOOT	431
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1787
REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	2



CABLE PLAN
(NOT TO SCALE)

NOTES:

PUSH BUTTON "A" SHALL PLACE A CALL FOR PHASES 4 AND 6

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TS 1510
ECON 10

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

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

TS SHT NO. 18

MODEL: S:\PROJECTS\1819_TS18_Lake-Skokie-Temporary Interconnect_Schematic.dgn



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DRAWN	-	A5	REVISED	-	
CHECKED	-	JJE	REVISED	-	
DATE	-	11/28/2022	REVISED	-	

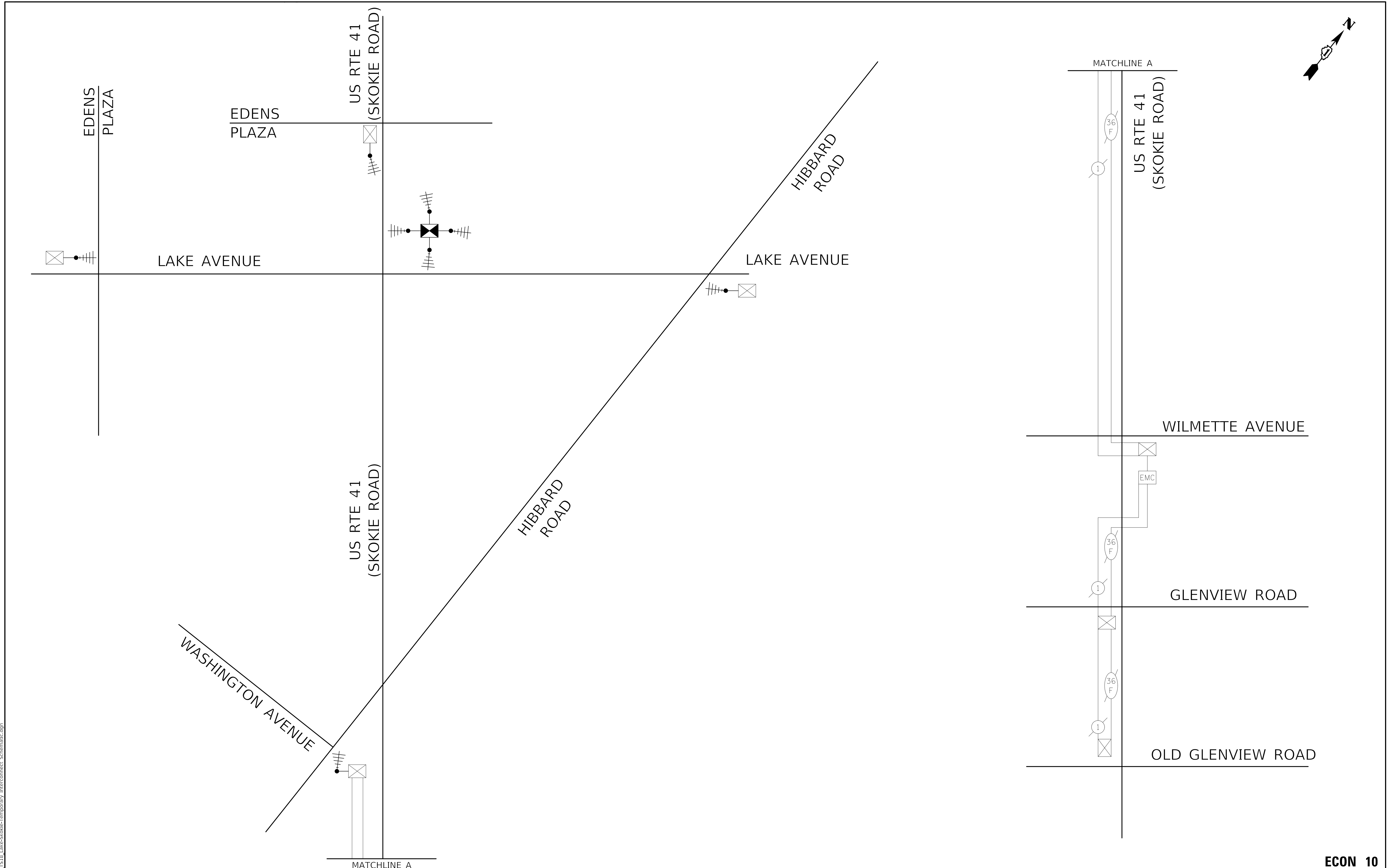
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
TEMPORARY INTERCONNECT SCHEMATIC**

SHEET 1 OF 1 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/1292	19-00203-02-CH	COOK	99	64
CONTRACT NO 61116				
ILLINOIS		FED AID PROJECT		

ECON 10

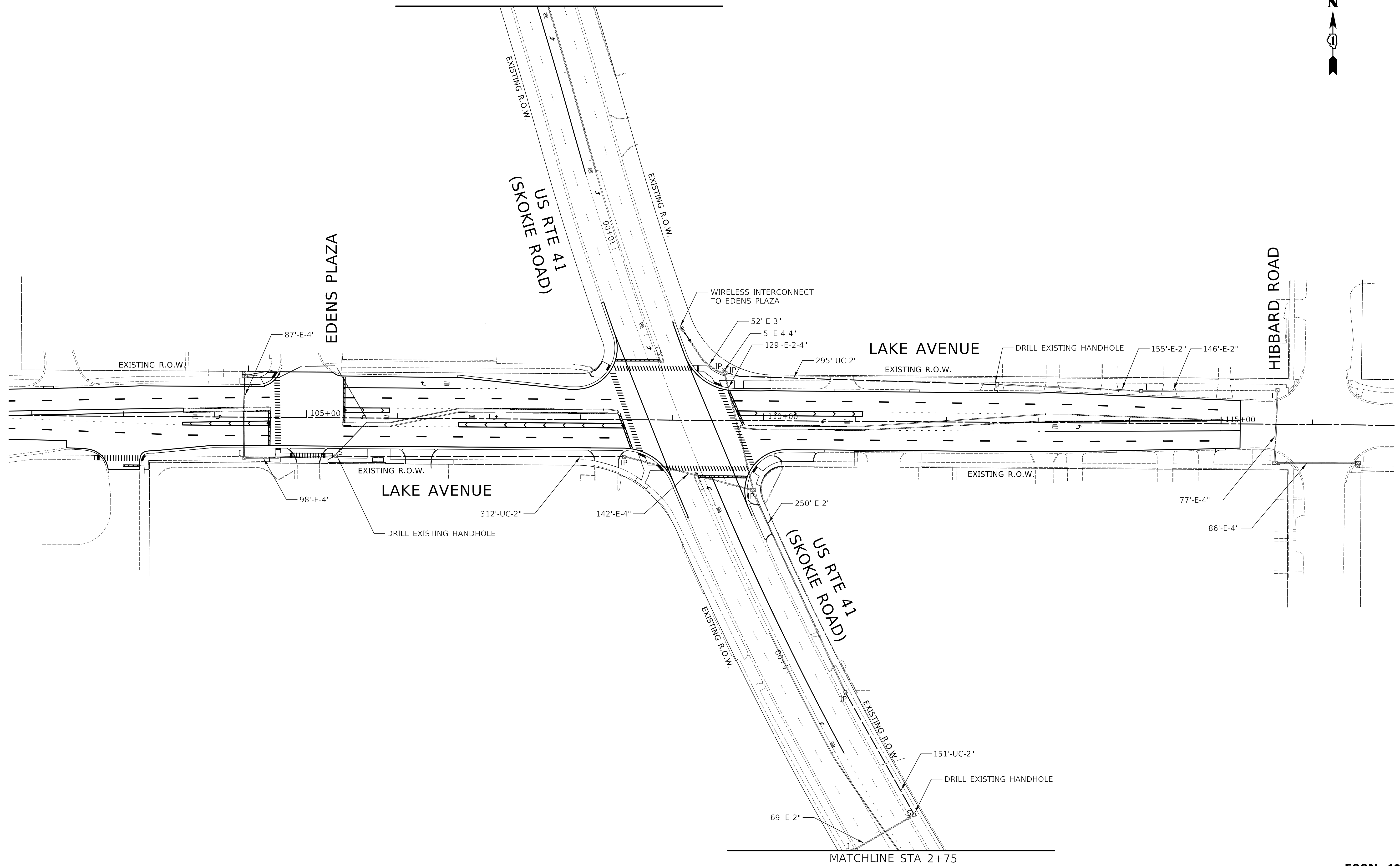


MATCHLINE STA 112+75
SEE SHEET 64



PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK NO.	ALIGNMENT CHECKED	
	CADD FILE NAME	

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



MATCHLINE STA 2+75
SEE SHEET 64

TS SHT NO. 19

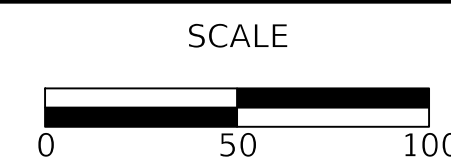
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CHECKED - JJE	REVISED -
DATE - 11/28/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
PROPOSED INTERCONNECT PLAN (SHEET 1 OF 2)

SHEET 1 OF 2 SHEETS STA TO STA

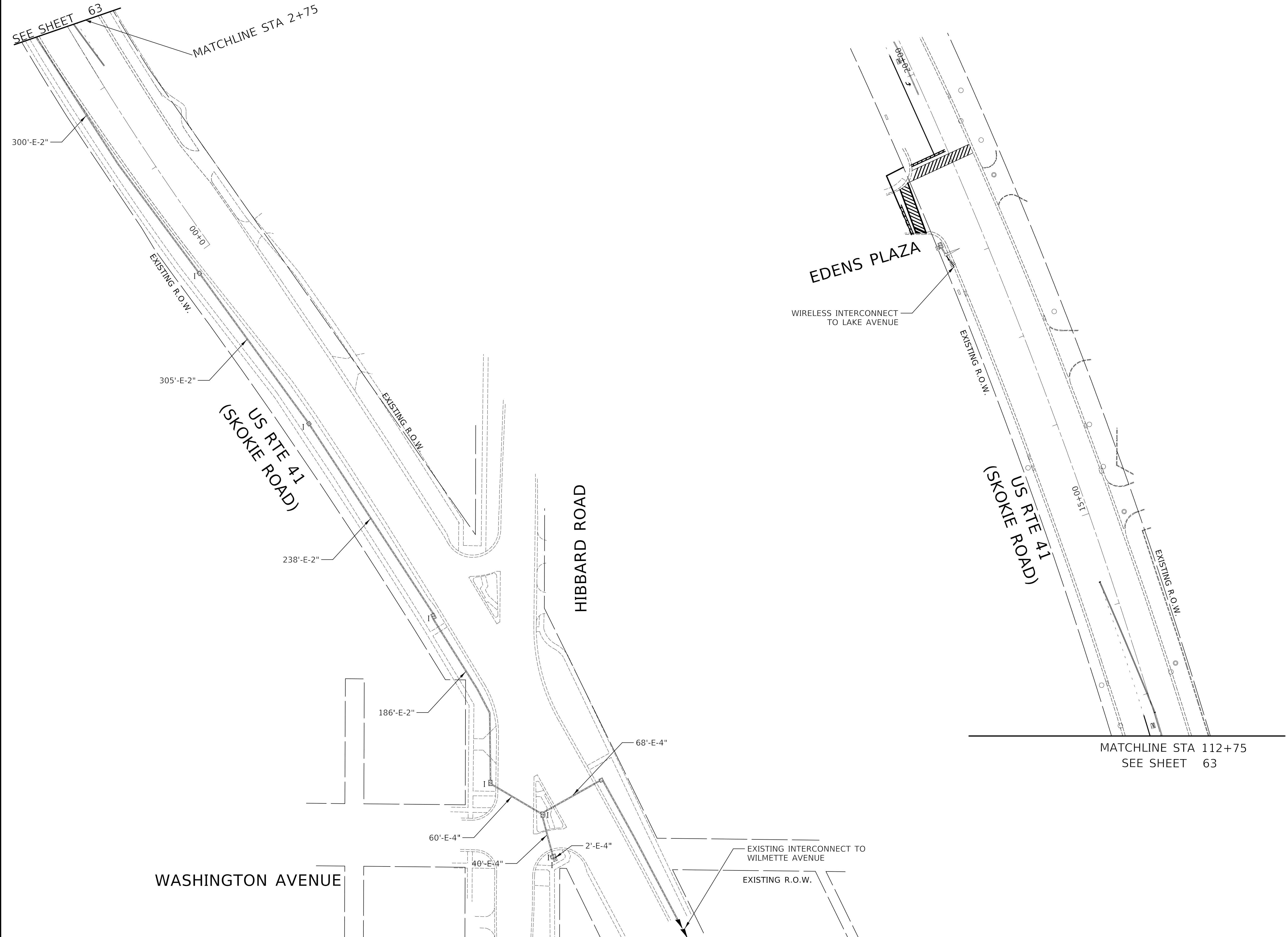
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	65
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

ECON 10



PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	ALIGNMENT CHECKED	
	STRUCTURE NOTATION CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	



TS SHT NO. 20

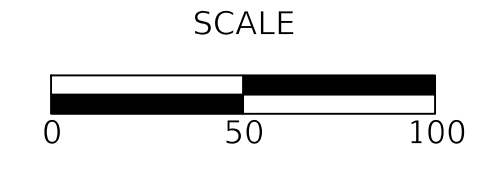
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CHECKED - JJE	REVISED -
DATE - 11/28/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

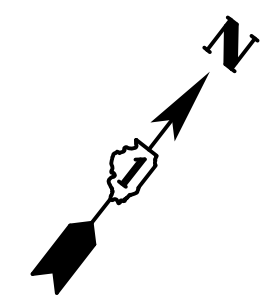


**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
PROPOSED INTERCONNECT PLAN (SHEET 2 OF 2)**

SHEET 2 OF 2 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	66
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

ECON 10

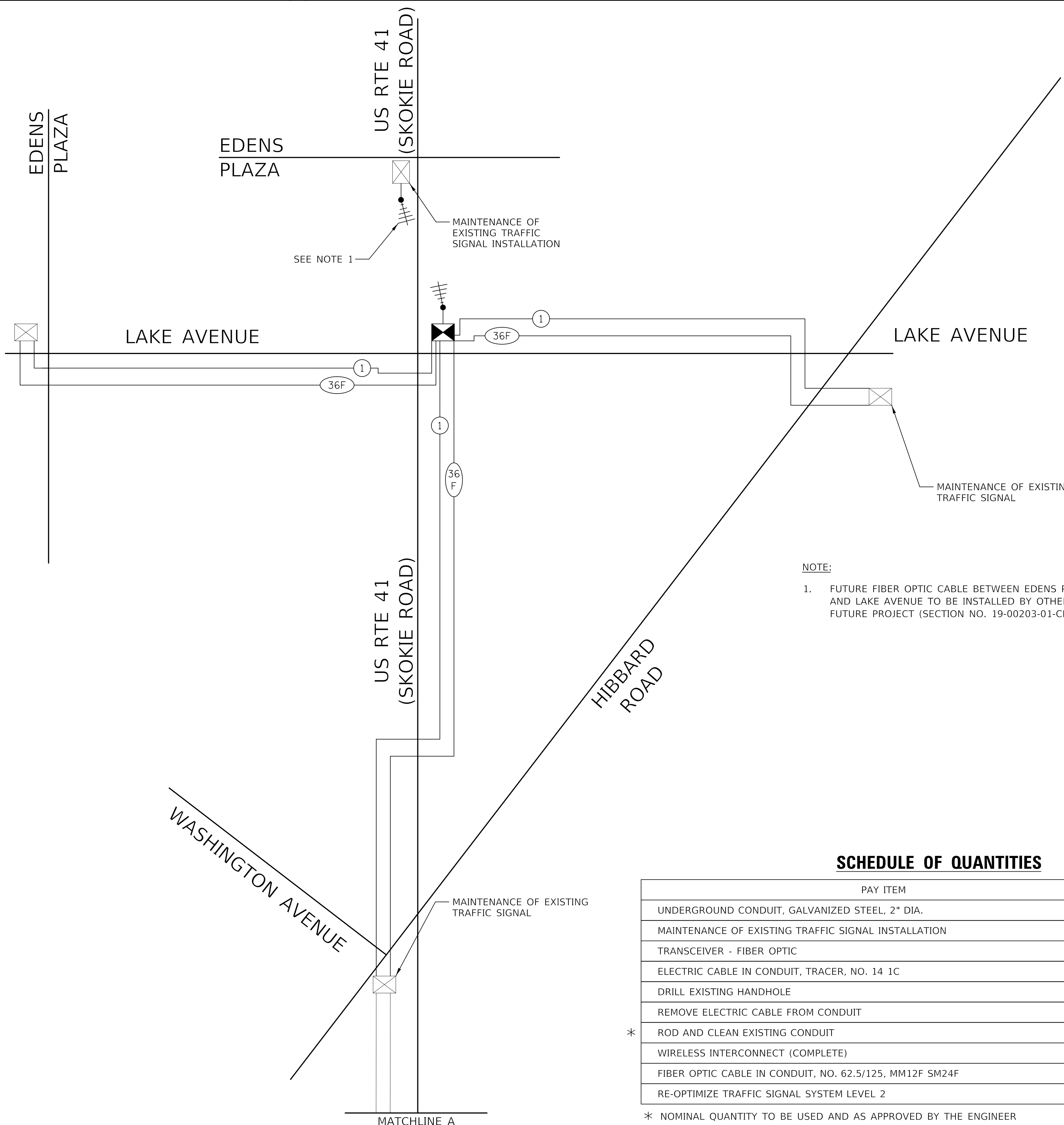


PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	STRUCTURE NOTATION CHECKED		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION CHECKED		

TS SHT NO. 21

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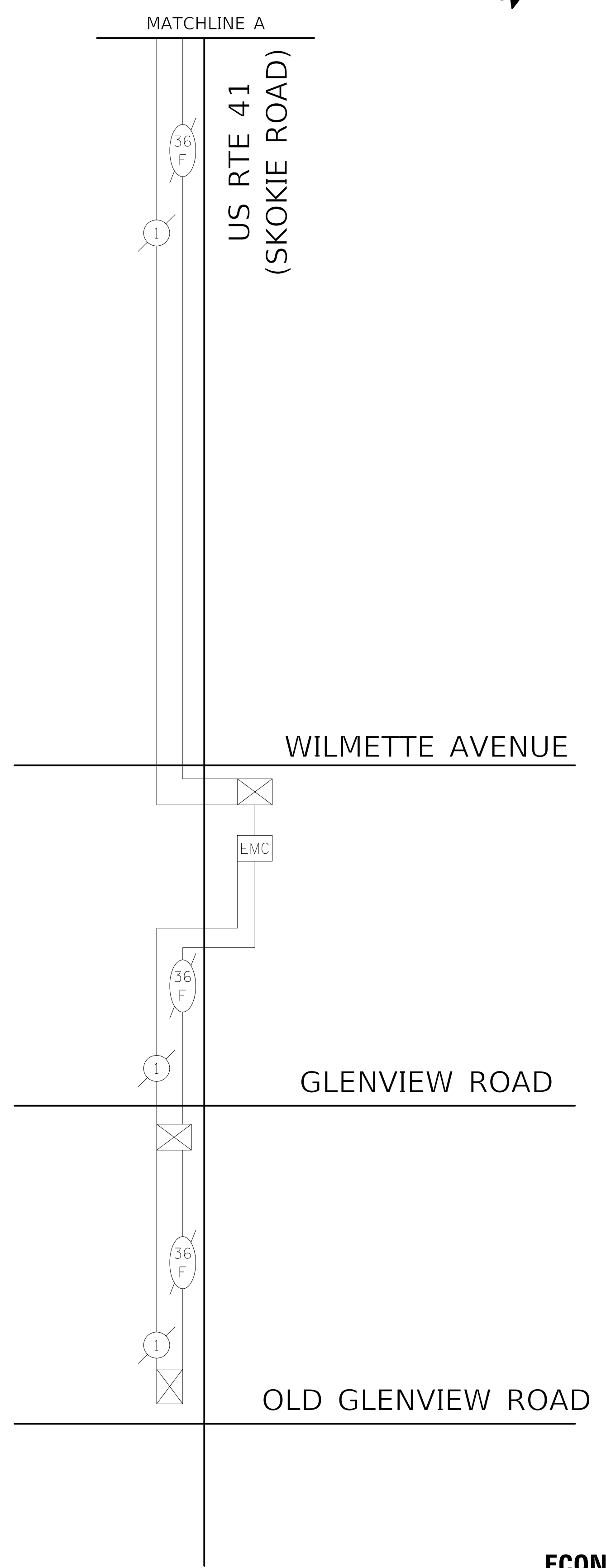


NOTE:
1. FUTURE FIBER OPTIC CABLE BETWEEN EDENS PLAZA AND LAKE AVENUE TO BE INSTALLED BY OTHERS UNDER FUTURE PROJECT (SECTION NO. 19-00203-01-CH).

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	758
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3540
DRILL EXISTING HANDHOLE	EACH	3
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4050
* ROD AND CLEAN EXISTING CONDUIT	FOOT	1000
WIRELESS INTERCONNECT (COMPLETE)	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3609
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

* NOMINAL QUANTITY TO BE USED AND AS APPROVED BY THE ENGINEER



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DATE - 11/28/2022	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
INTERCONNECT SCHEMATIC**

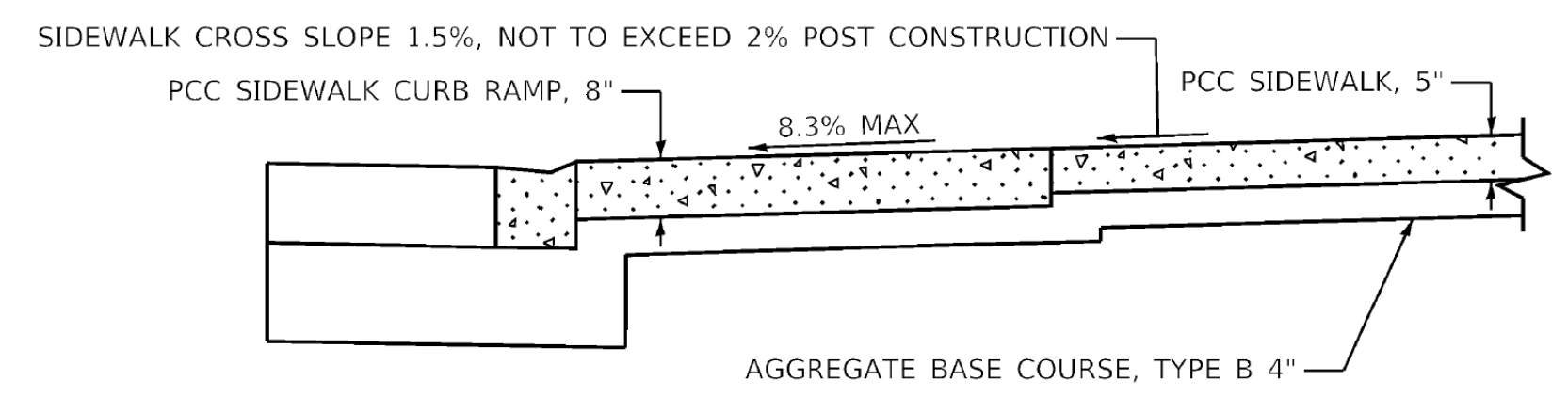
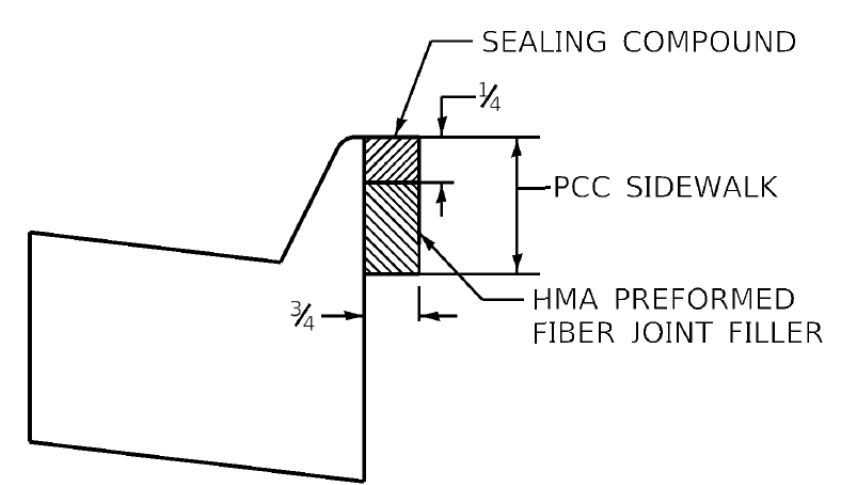
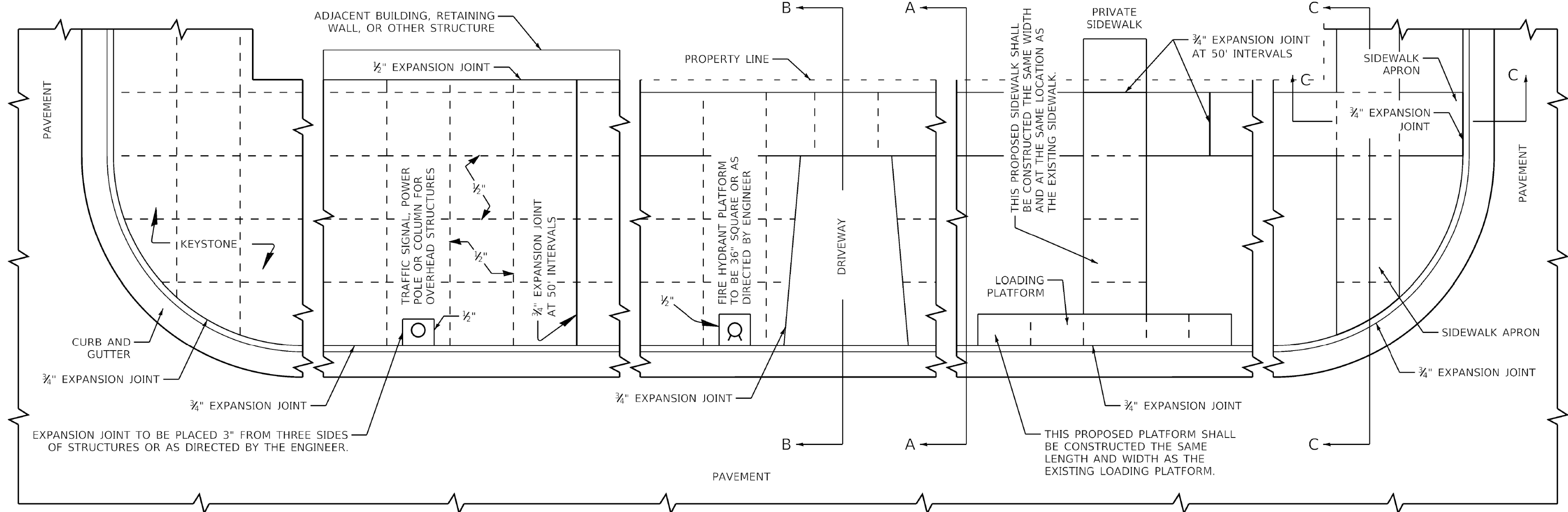
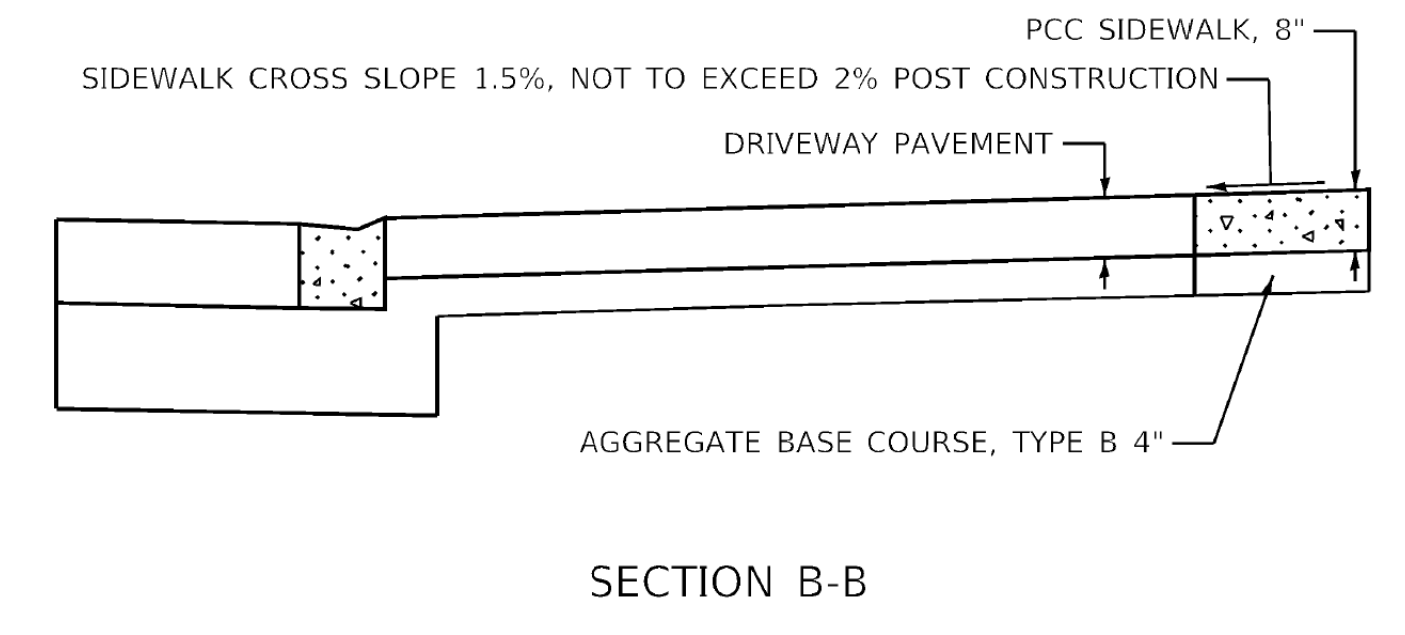
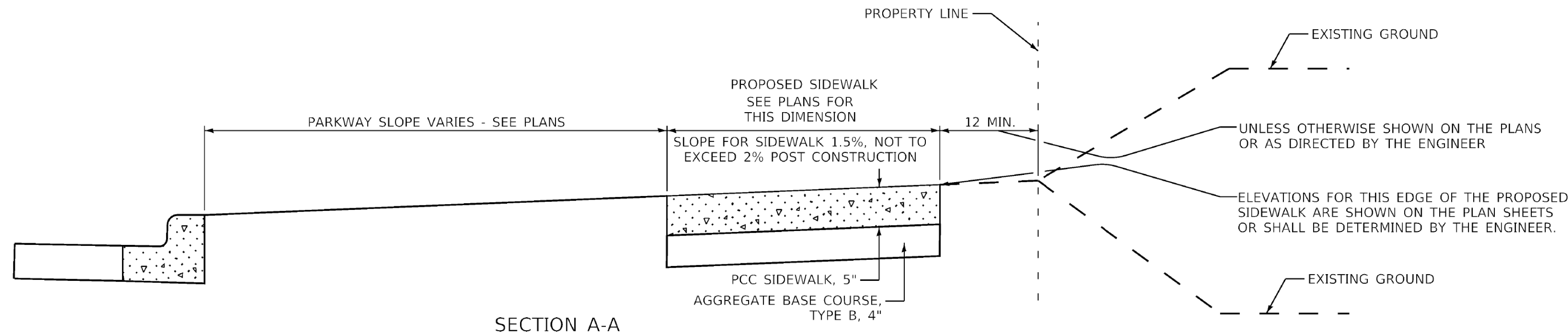
SHEET 1 OF 1 SHEETS STA TO STA

FAU RTE 350/1292	SECTION 19-00203-02-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 67
CONTRACT NO 61116				ILLINOIS FED AID PROJECT

ECON 10

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	STRUCTURE NOTATION CHECKED	



GENERAL NOTES:

ALL EXPANSION JOINTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 424.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PORTLAND CEMENT CONCRETE SIDEWALK OF THE THICKNESS SPECIFIED.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

MUNICIPALITY, IL MUNICIPALITY, IL NAME TOWNSHIP	COUNTY HIGHWAY: XXX FISCAL YEAR: XXXX SECTION: XX-XXXX-XX-XX	<p>COUNTY OF COOK DEPARTMENT OF TRANSPORTATION AND HIGHWAYS</p>	COMPUTED: XXX DRAWN: XXX CHECKED: XXX	<table border="1"> <tr><th>REVISIONS</th><th>DATE</th></tr> <tr><td>GENERAL</td><td>1/1/20</td></tr> <tr><td>NEW DRAWING SECTION C-C</td><td>11/10/22</td></tr> </table>	REVISIONS	DATE	GENERAL	1/1/20	NEW DRAWING SECTION C-C	11/10/22	<p>PORTLAND CEMENT CONCRETE SIDEWALK CONSTRUCTION DETAIL COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS STANDARD C-003</p> <p>NOT TO SCALE</p>
REVISIONS	DATE										
GENERAL	1/1/20										
NEW DRAWING SECTION C-C	11/10/22										

MODEL: SPODELNAMRES
FILE NAME: ...35653_ConstrDetail.dgn



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DRAWN -	JRR	REVISED -	1/19/2023
CHECKED -	KRK	REVISED -	
DATE -	11/28/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

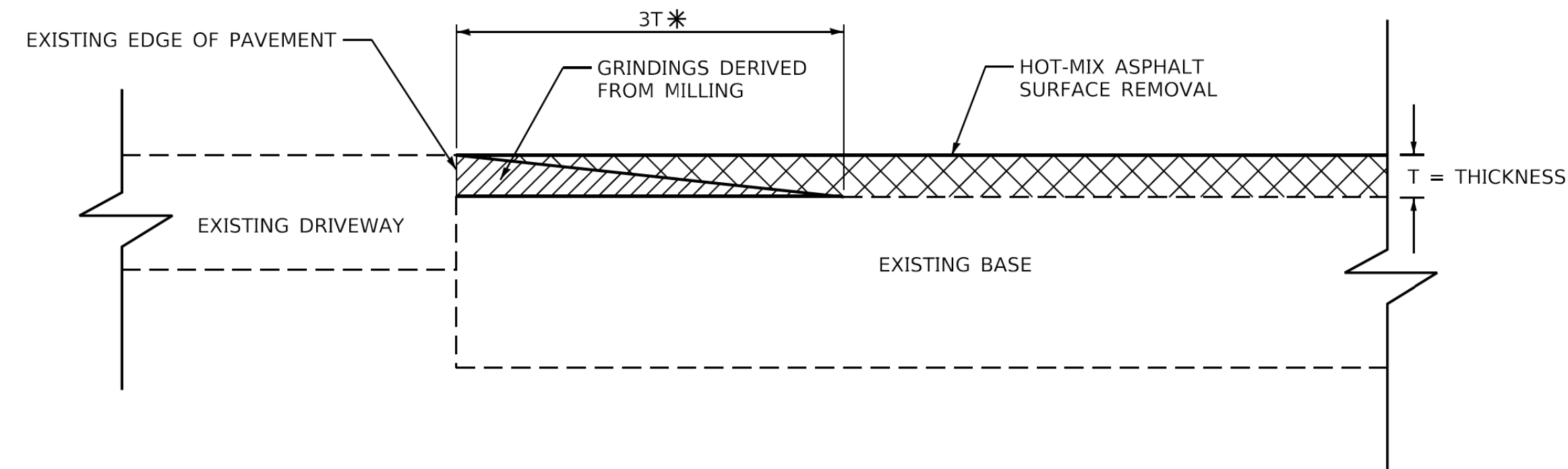
US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CONSTRUCTION DETAILS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	69
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

SHEET 2 OF 6 SHEETS

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	CADD FILE NAME		

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



*LENGTH SHALL BE 3 TIMES THE MILLING THICKNESS OR AS DETERMINED BY THE ENGINEER

TEMPORARY RAMP AT DRIVEWAY

DURING HOT-MIX ASPHALT SURFACE REMOVAL

NOTE:

PLACEMENT, COMPACTION, AND REMOVAL OF THE GRINDINGS SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL, OF THE THICKNESS SPECIFIED.

MUNICIPALITY, IL MUNICIPALITY, IL NAME TOWNSHIP	COUNTY HIGHWAY: XXX FISCAL YEAR: XXXX SECTION: XX-XXXX-XX-XX		COUNTY OF COOK DEPARTMENT OF TRANSPORTATION AND HIGHWAYS	COMPUTED: xxx DRAWN: xxx CHECKED: xxx	REVISIONS GENERAL	DATE 1/1/20	TEMPORARY RAMP AT DRIVEWAY DETAIL COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS STANDARD C-005	NOT TO SCALE
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MODEL: SPODELNAMEES
FILE NAME: ...32653_ConstrDetail.dgn



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DATE -	11/28/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

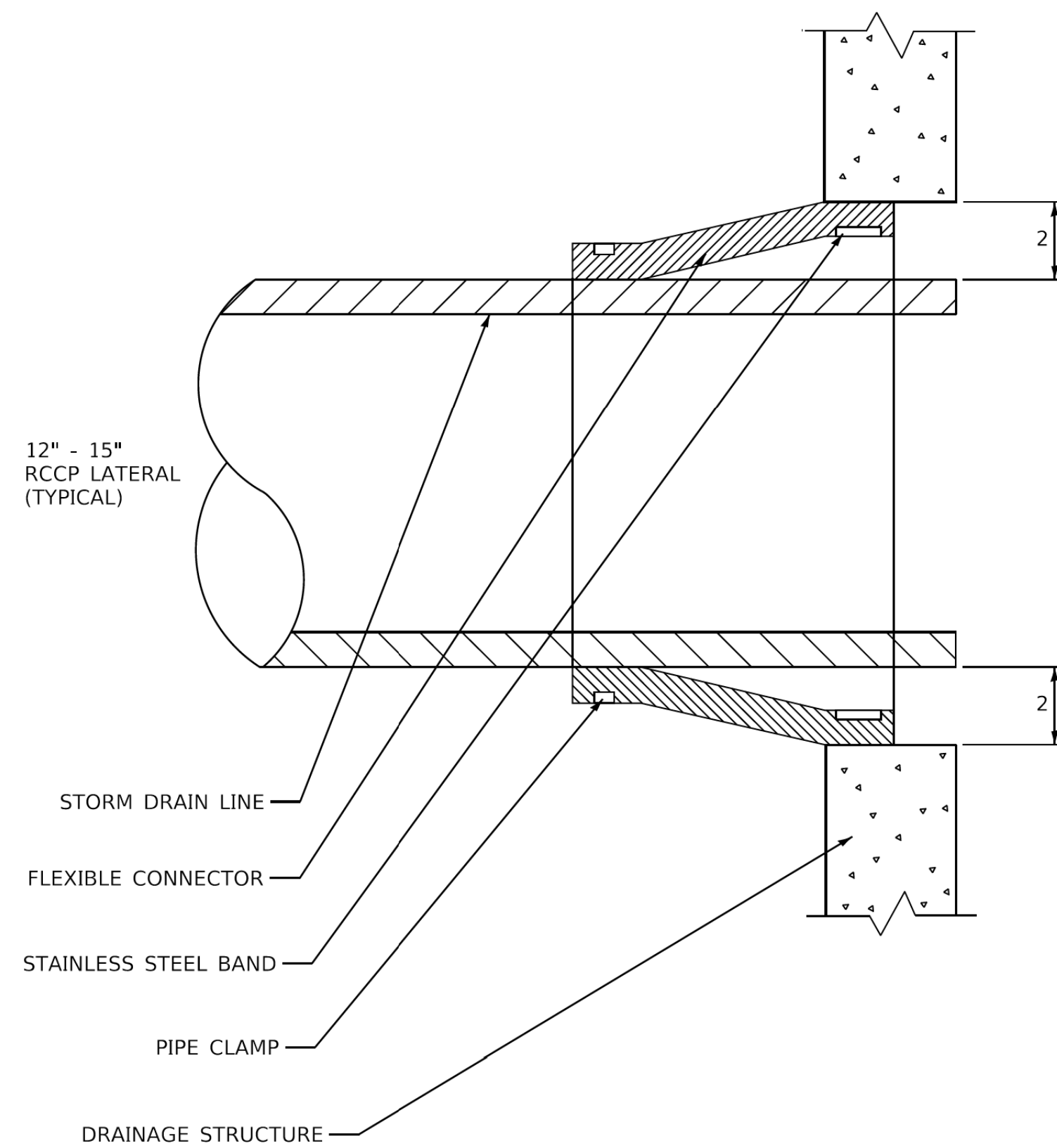
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CONSTRUCTION DETAILS**

SHEET 3 OF 6 SHEETS

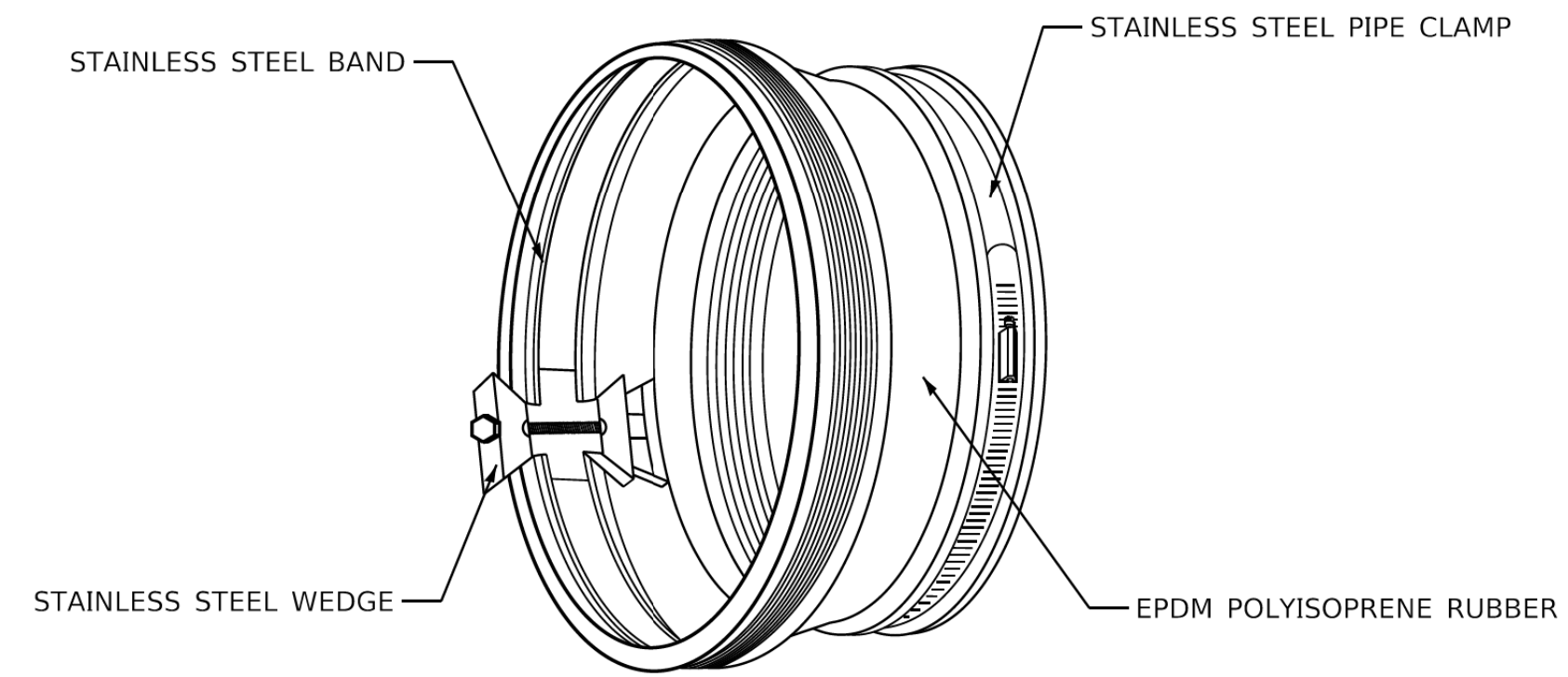
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	70
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	AS BUILT FILE NAME		

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



CORE AND BOOT CONNECTION



WEDGE CONNECTOR ASSEMBLY

NOTES:

1. USE ALL LATERAL CONNECTIONS TO 24" DIAMETER OR GREATER STORM SEWERS AND FOR CONNECTIONS TO ALL DRAINAGE STRUCTURES UNLESS OTHERWISE NOTED ON PLANS.
2. CONTRACTOR SHALL REMOVE SECTION OF DRAINAGE STRUCTURE OR STORM SEWER USING CONCRETE CORING METHOD AND SHALL BE APPROVED BY RESIDENT ENGINEER.
3. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

MUNICIPALITY, IL MUNICIPALITY, IL NAME TOWNSHIP	COUNTY HIGHWAY: XXX FISCAL YEAR: XXXX SECTION: XX-XXXX-XX-XX		COUNTY OF COOK DEPARTMENT OF TRANSPORTATION AND HIGHWAYS	COMPUTED: xxx DRAWN: xxx CHECKED: xxx	REVISIONS GENERAL	DATE 1/1/20	CORE AND BOOT CONNECTION COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS STANDARD DU-60	NOT TO SCALE
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MODEL: S:\MODEL\NAMES
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CHECKED -	KRK	REVISED -	
DATE -	11/28/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CONSTRUCTION DETAILS

SHEET 4 OF 6 SHEETS

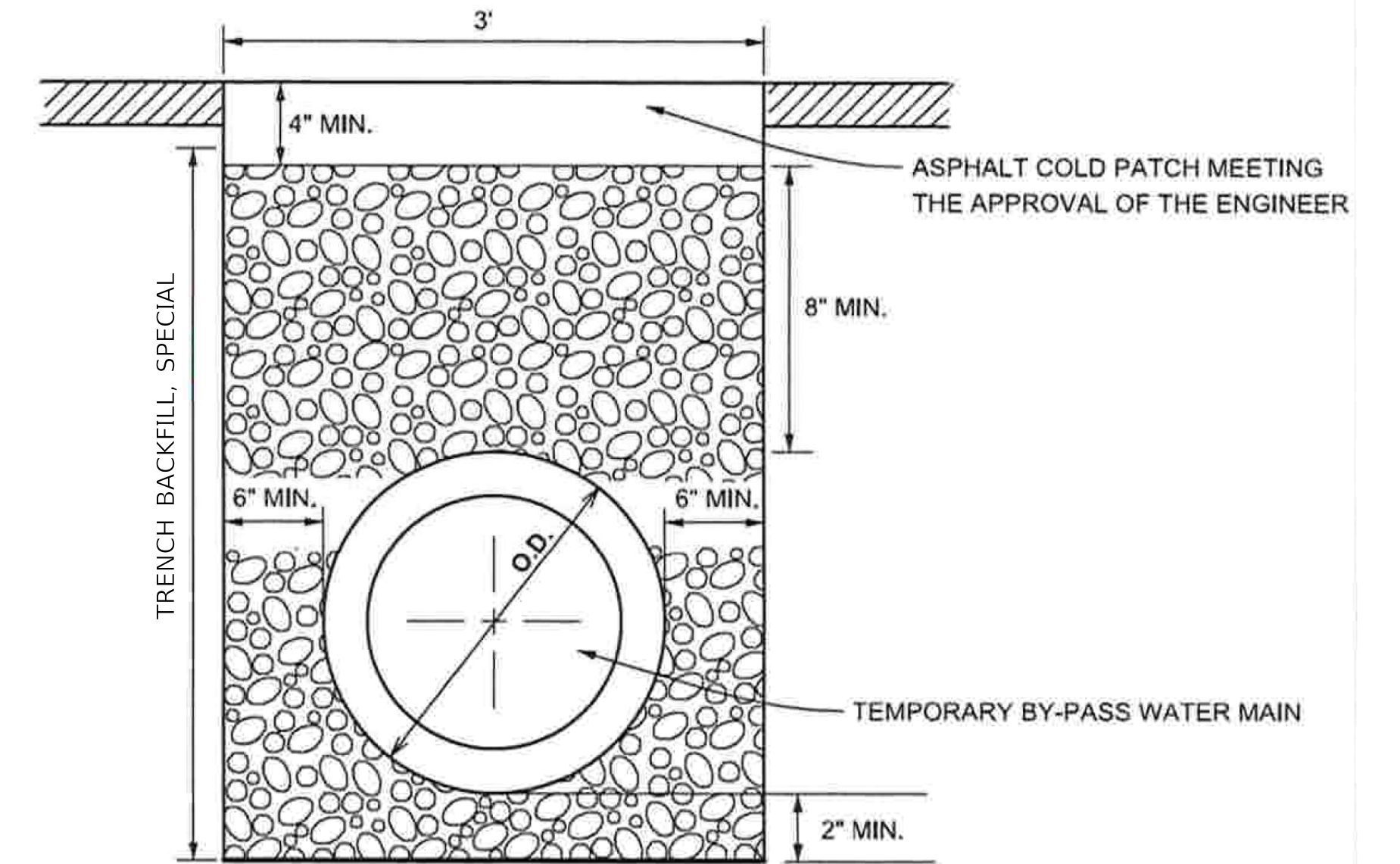
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350/1292	19-00203-02-CH	COOK	99	71
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

PLAN	SURVEYED	BY	DATE
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NOTE BOOK NO.	ALIGNMENT CHECKED		
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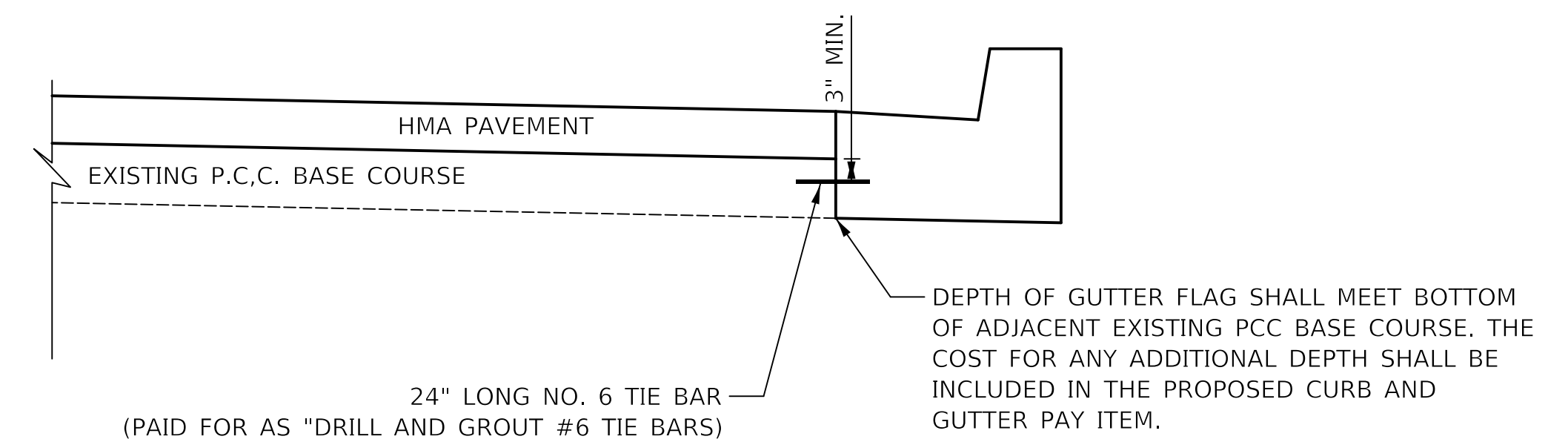
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	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		

MODEL: S:\MODEL\NAMES
FILE NAME: ...35653_ConstrDetail.dgn

NOTE:
ALL ITEMS SHOWN ARE INCLUDED IN THE COST OF "TEMPORARY BYPASS PUMPING SYSTEM".



TEMPORARY BY-PASS PUMPING SYSTEM



PROPOSED CURB AND GUTTER ADJACENT TO PCC BASE COURSE



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DRAWN -	JRR	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	11/28/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CONSTRUCTION DETAILS**

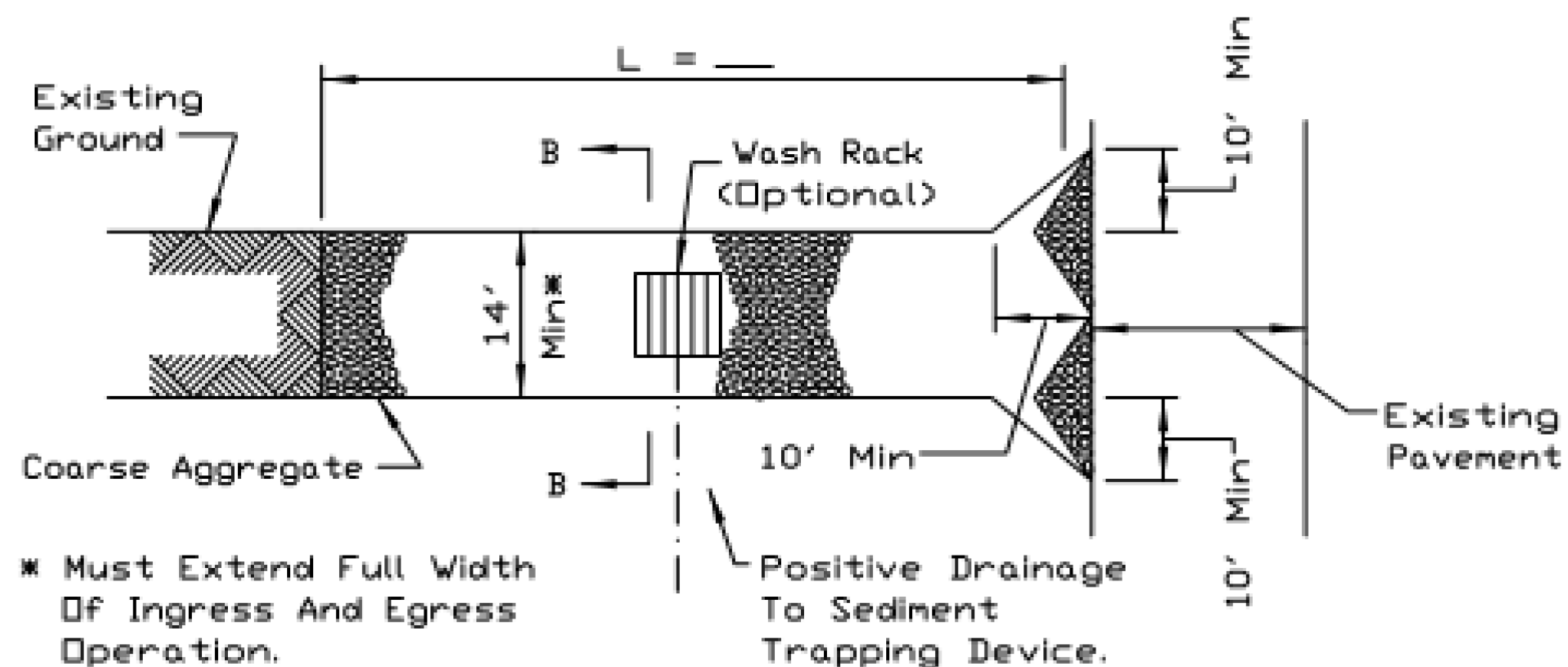
SHEET 5 OF 6 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	72
CONTRACT NO 61116				
ILLINOIS FED AID PROJECT				

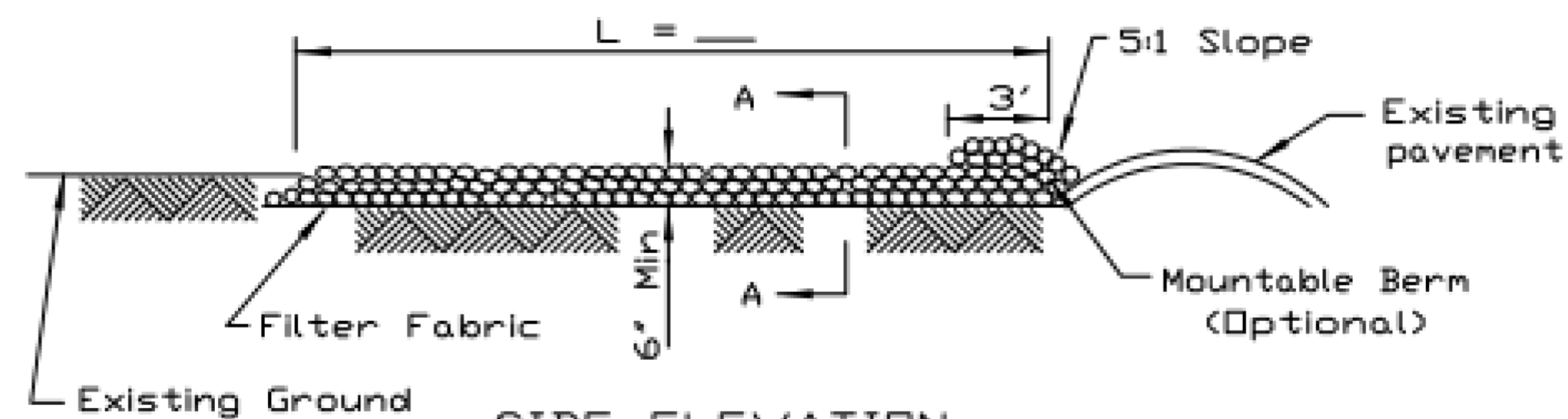
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	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK NO.	
	STRUCTURE NOTATION	

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

NOTES:

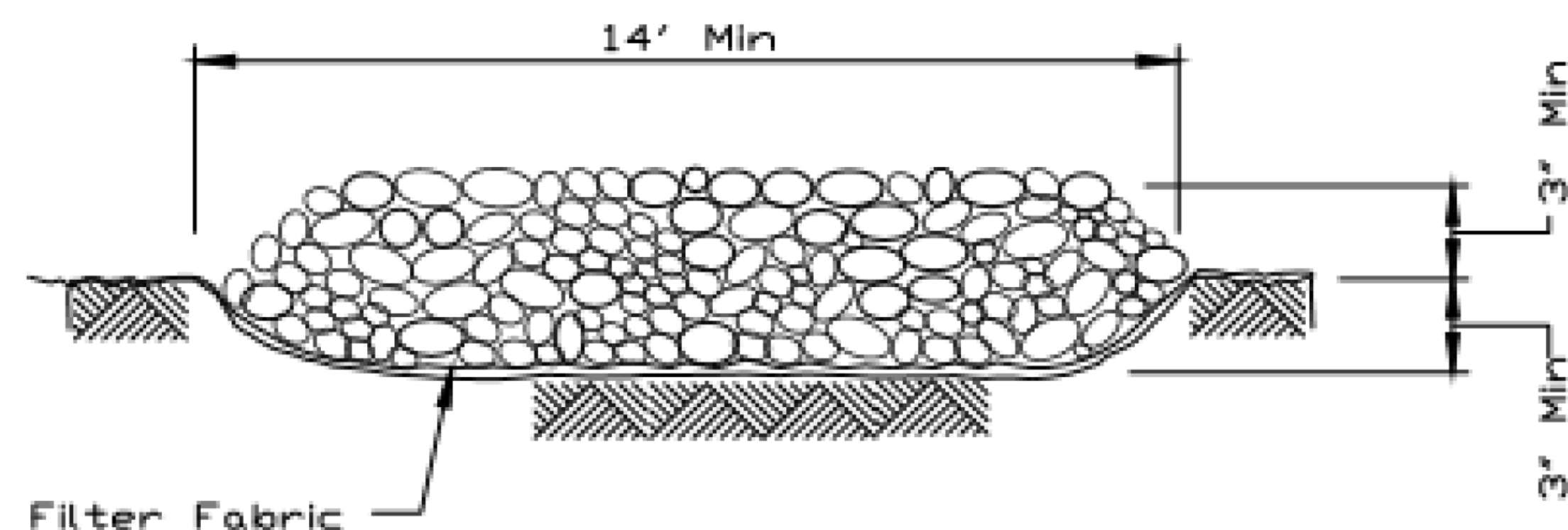
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	Project	_____
	Designed	_____ Date _____
	Checked	_____ Date _____
	Approved	_____ Date _____

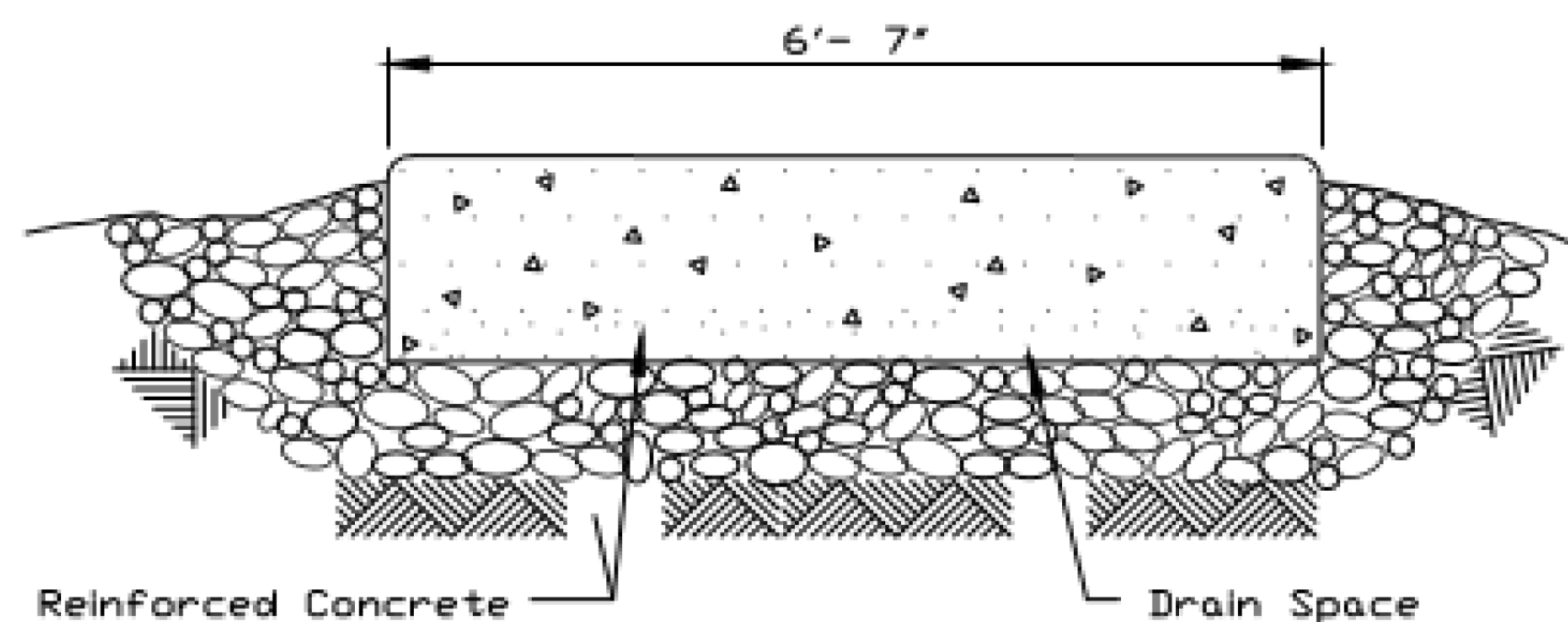


STANDARD DWG. NO.	IL-630
SHEET	1 OF 2
DATE	8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



SECTION B-B

REFERENCE	Project	_____
	Designed	_____ Date _____
	Checked	_____ Date _____
	Approved	_____ Date _____



STANDARD DWG. NO.	IL-630
SHEET	2 OF 2
DATE	8-18-94

MODEL: SPODELNAMER
FILE NAME: ...35653-ConsDetLocal.dgn



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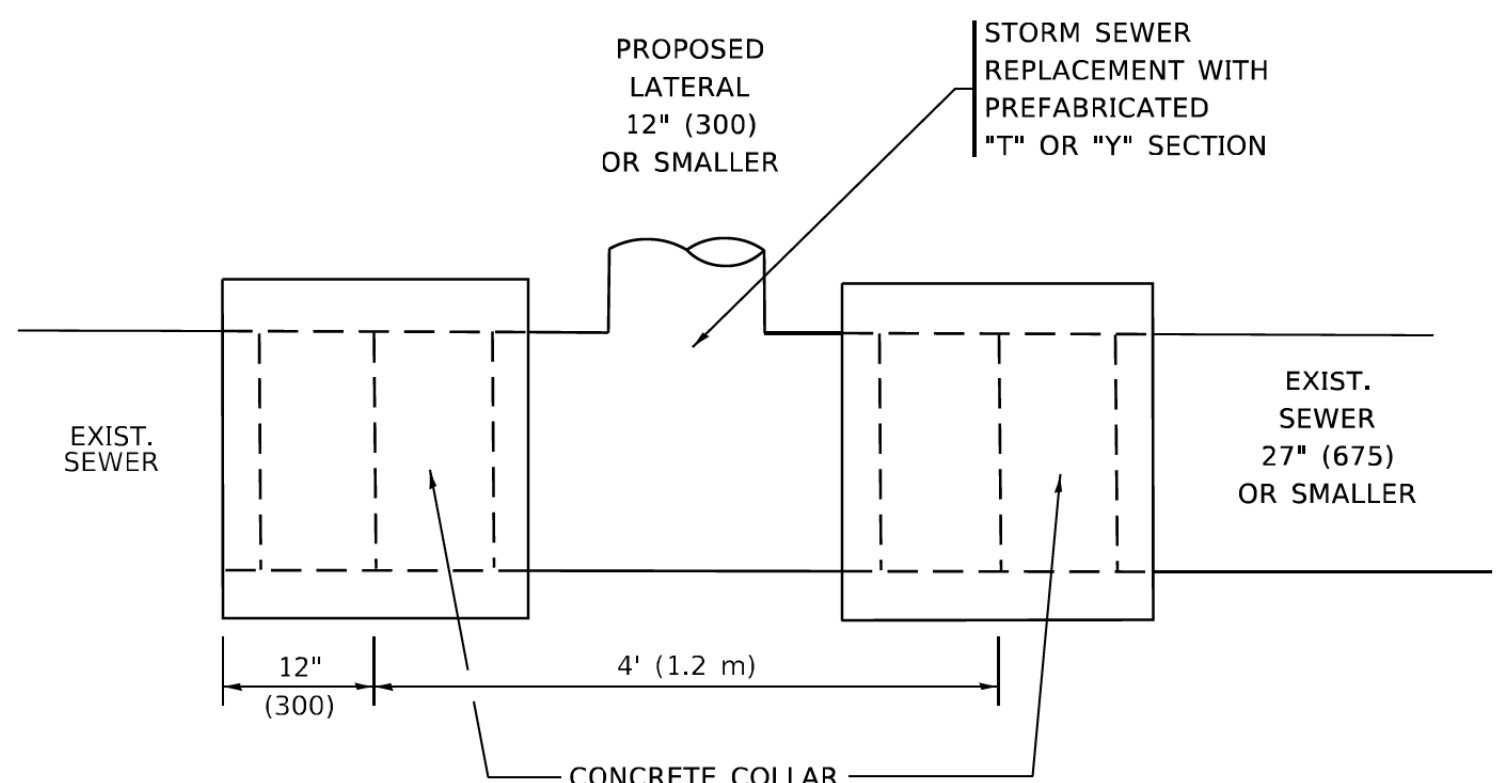
DESIGNED	-	JMG	REVISED	-	
DRAWN	-	JRR	REVISED	-	
CHECKED	-	KRK	REVISED	-	
DATE	-	11/28/2022	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CONSTRUCTION DETAILS

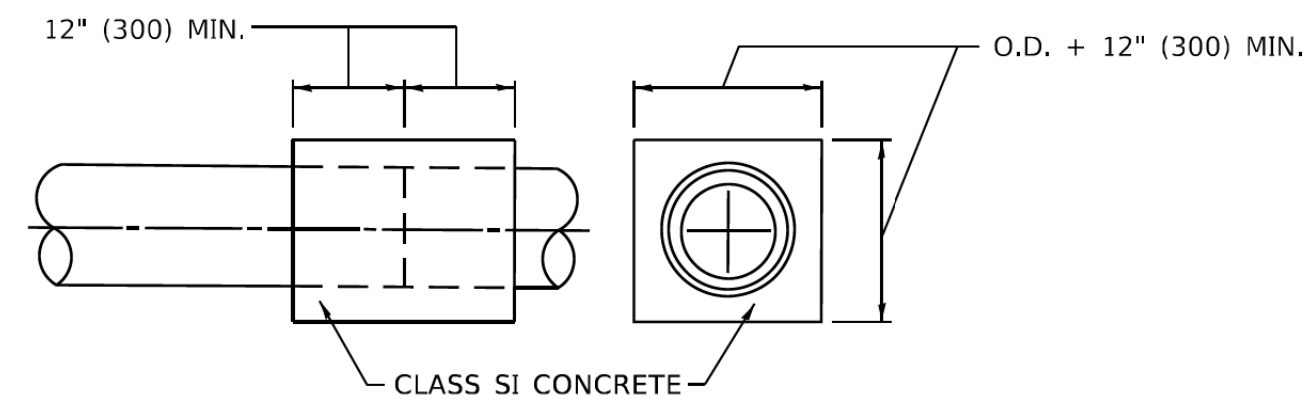
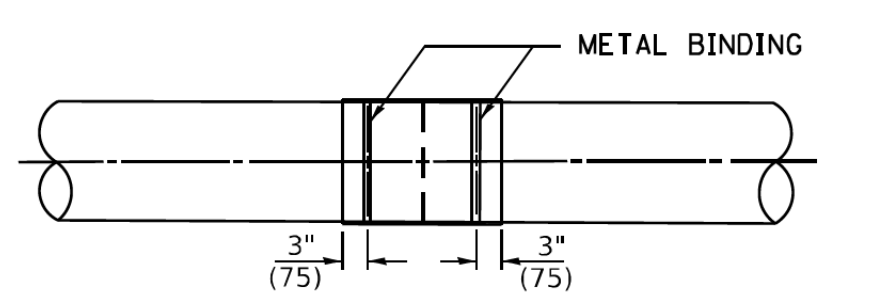
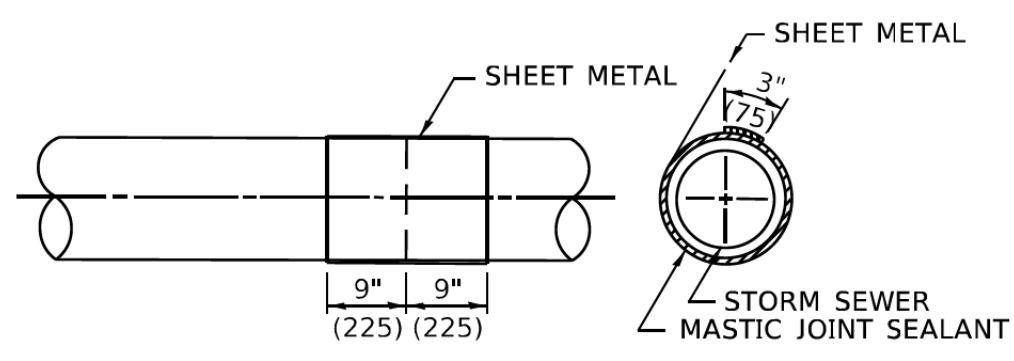
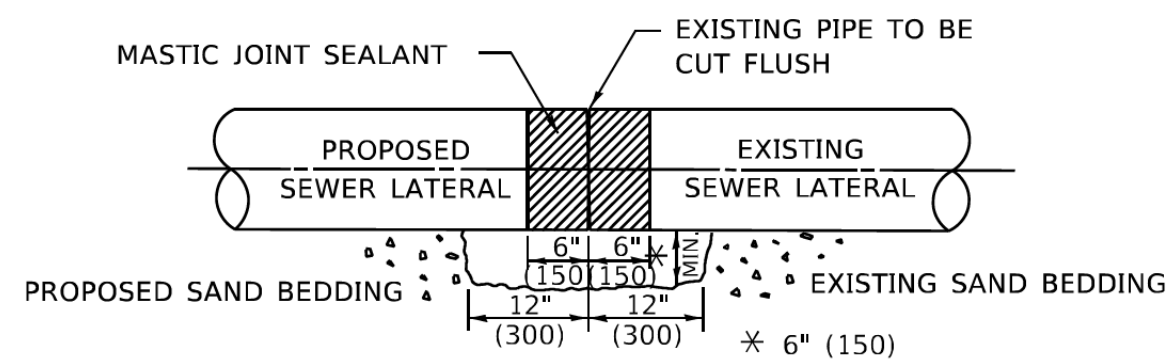
SHEET 6 OF 6 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/1292	19-00203-02-CH	COOK	99	73
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				



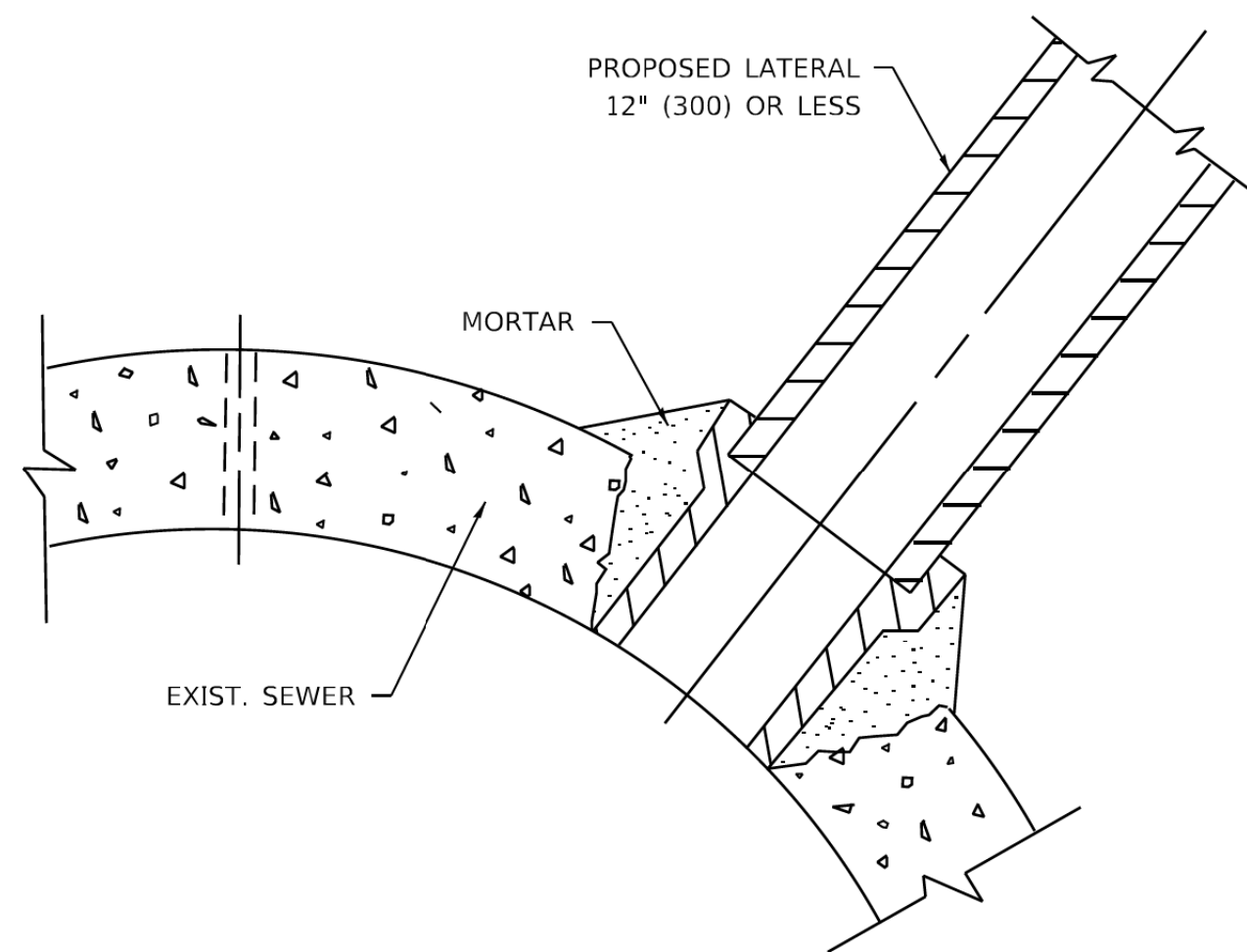
DETAIL "A"

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 OOOZES 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

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

1. 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.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. 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.
2. 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.
3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
4. 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.

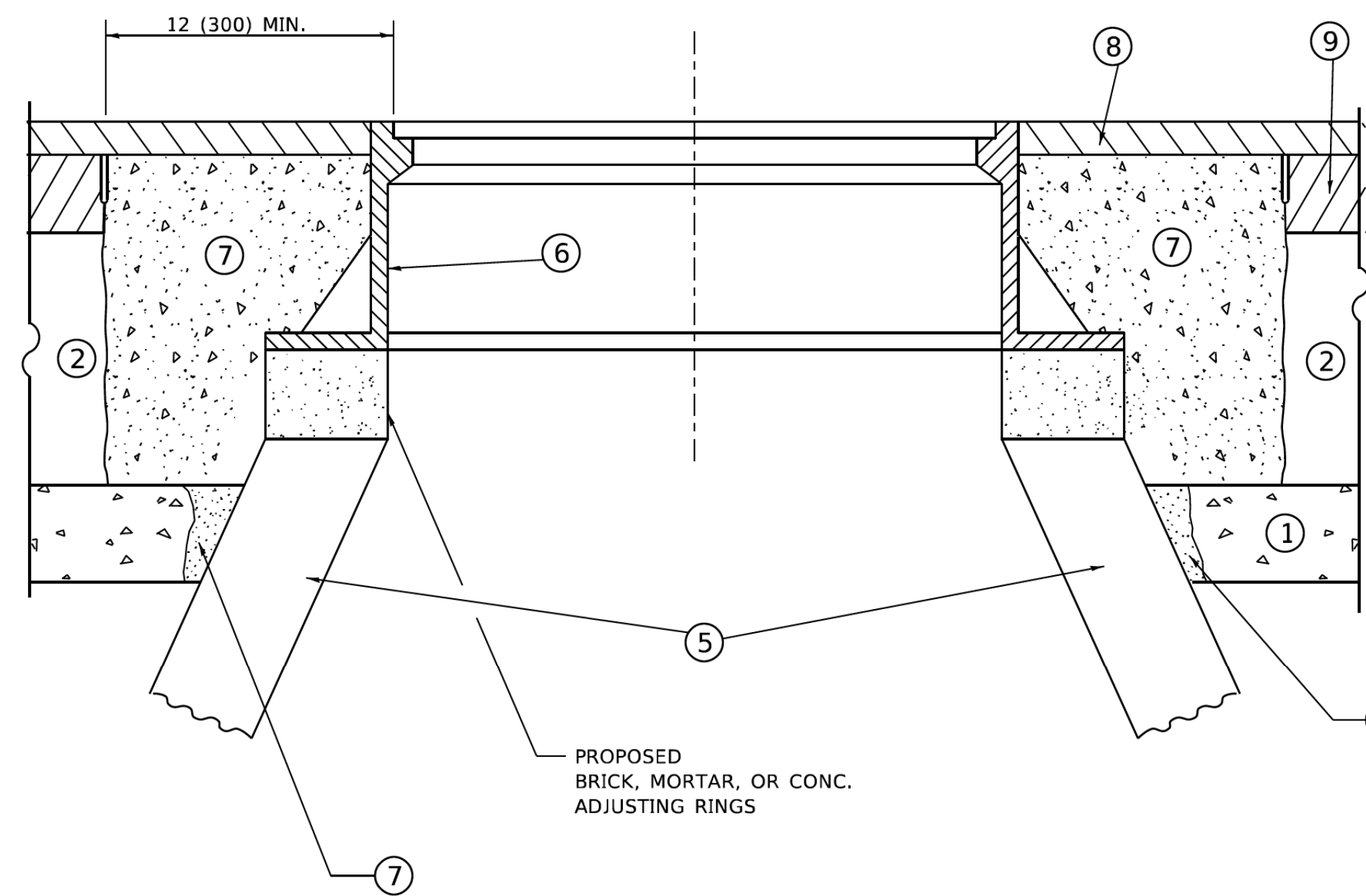
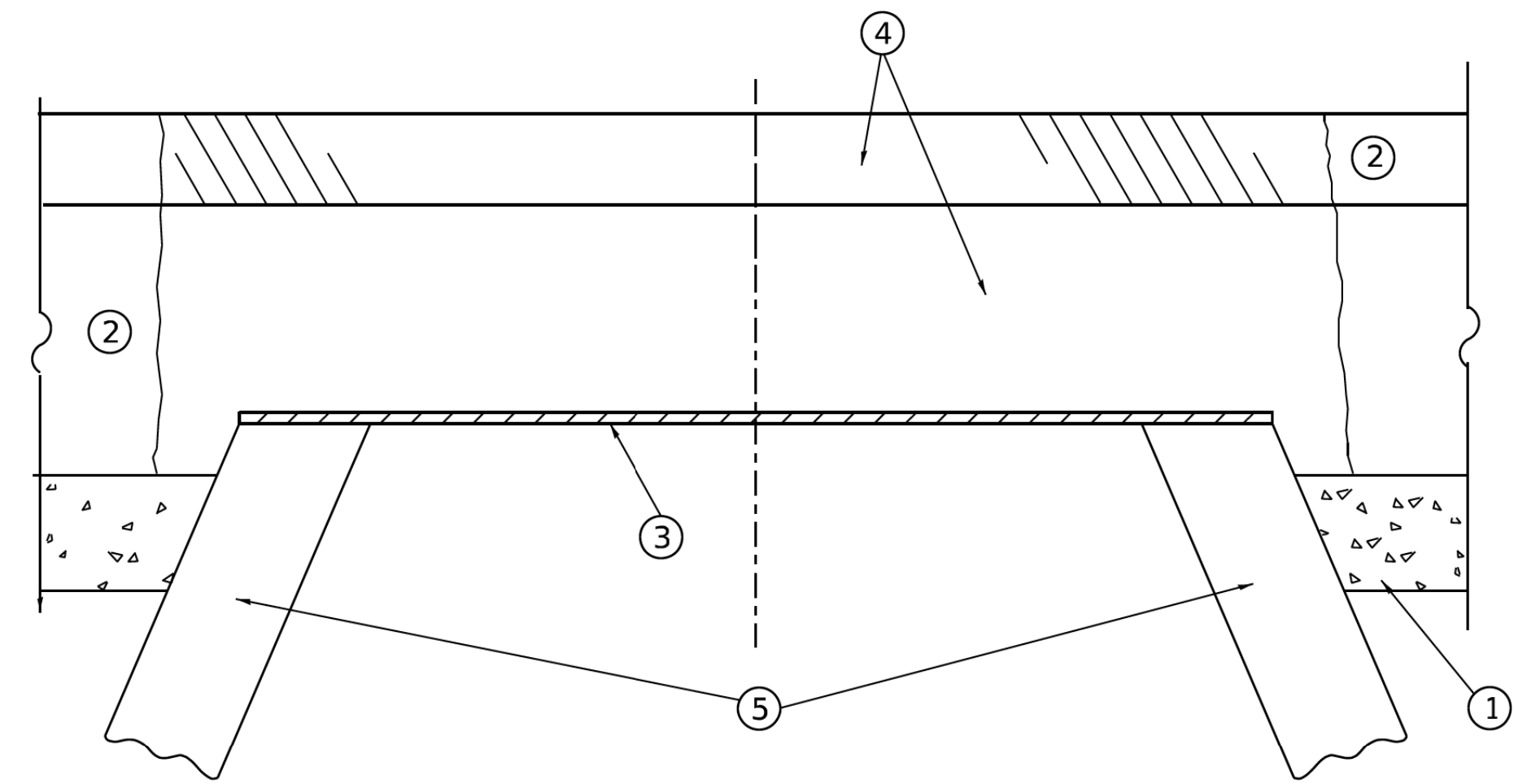
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	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. SHAH 06-12-96
PLOT DATE = 2/2/2022	DATE - 07-25-90	REVISED - K. SMITH 02-01-22

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. 3507/1292	SECTION 19-00203-02-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 74
BD500-01 (BD-07)		CONTRACT NO. 61J16		
ILLINOIS FED. AID PROJECT				



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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

NOTES

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

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	DRAWN -	REVISED - R. BORO 03-09-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 12-06-11
PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

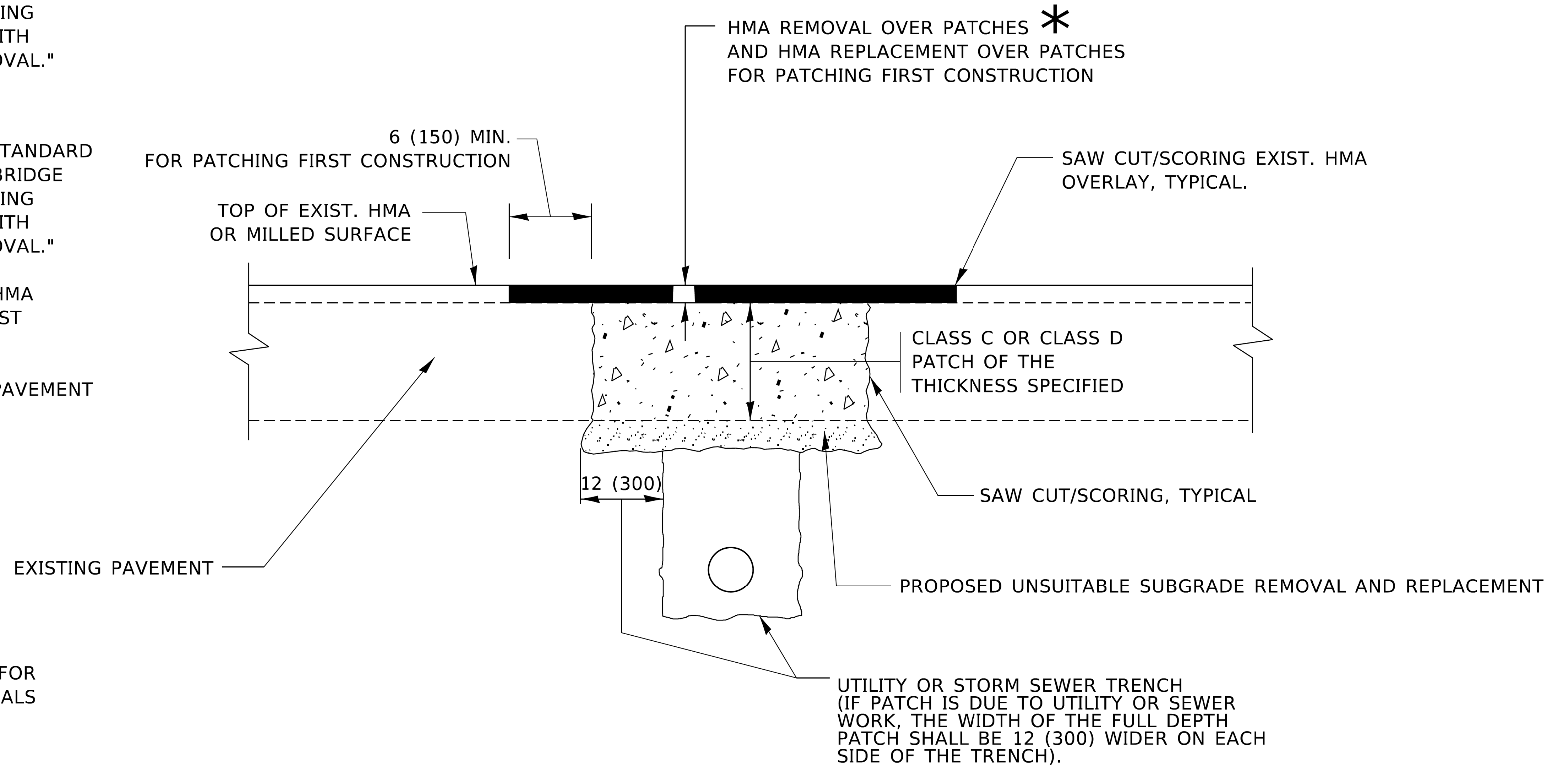
F.A. RTE. 3507/1292	SECTION 19-00203-02-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 75
BD600-03 (BD-08)		CONTRACT NO. 61J16		
ILLINOIS FED. AID PROJECT				

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.

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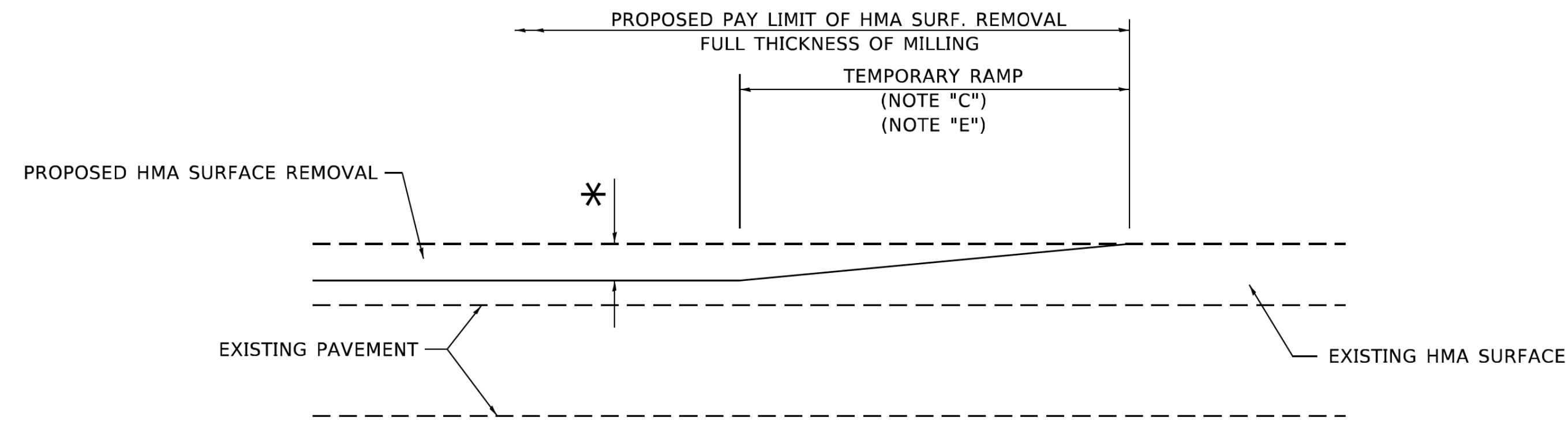
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PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. ENG 10-27-08
		REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

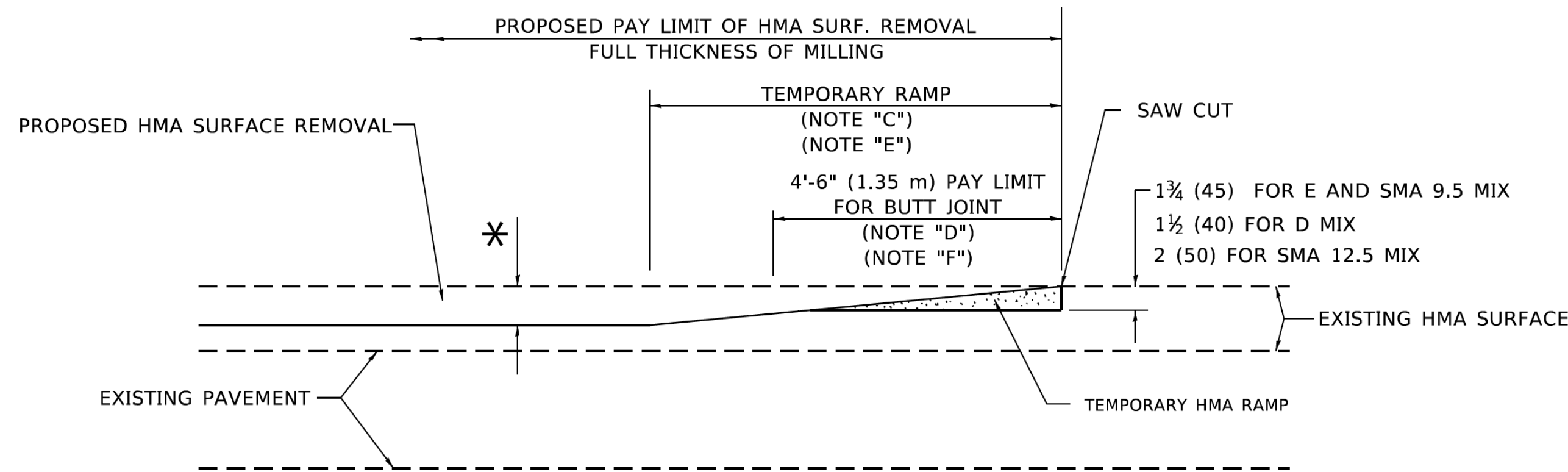
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BD400-04 (BD-22)		CONTRACT NO. 61J16		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

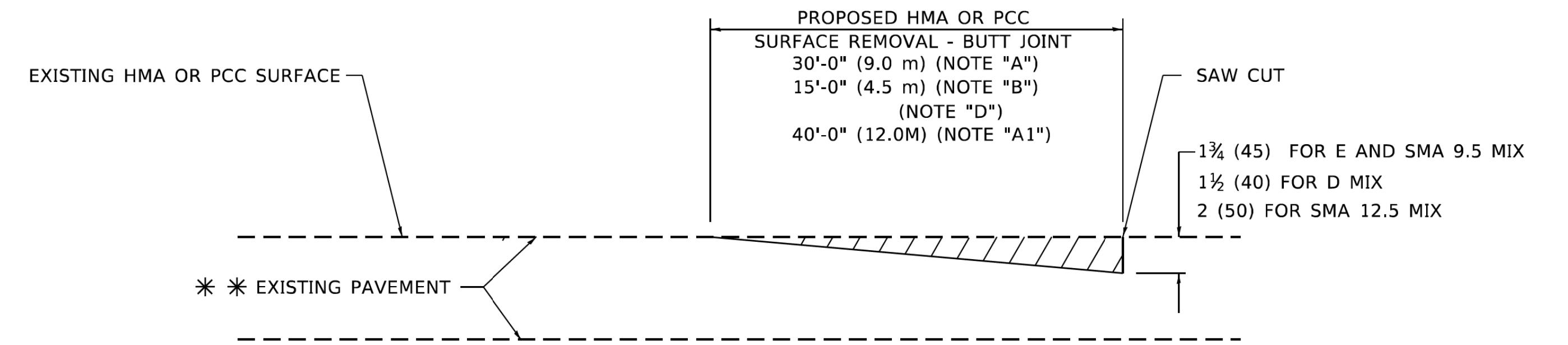


HMA CONSTRUCTED TEMPORARY RAMP

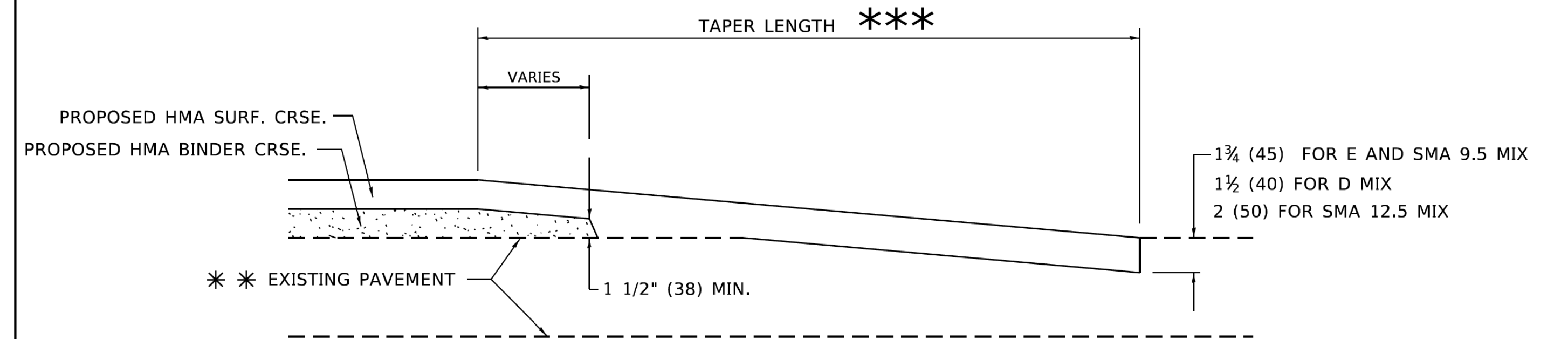
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

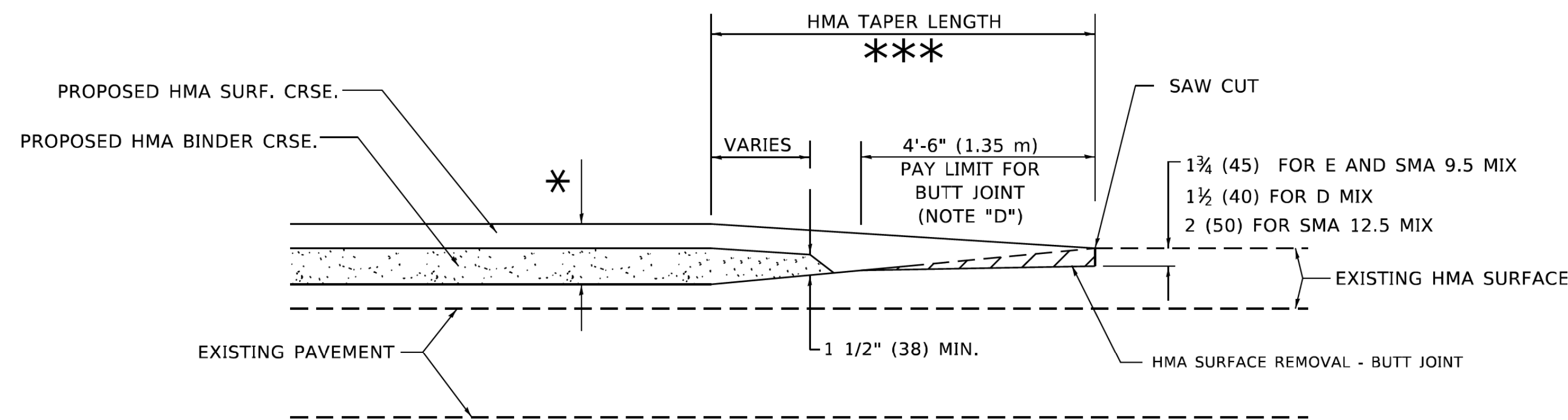
GENERAL NOTES

- 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.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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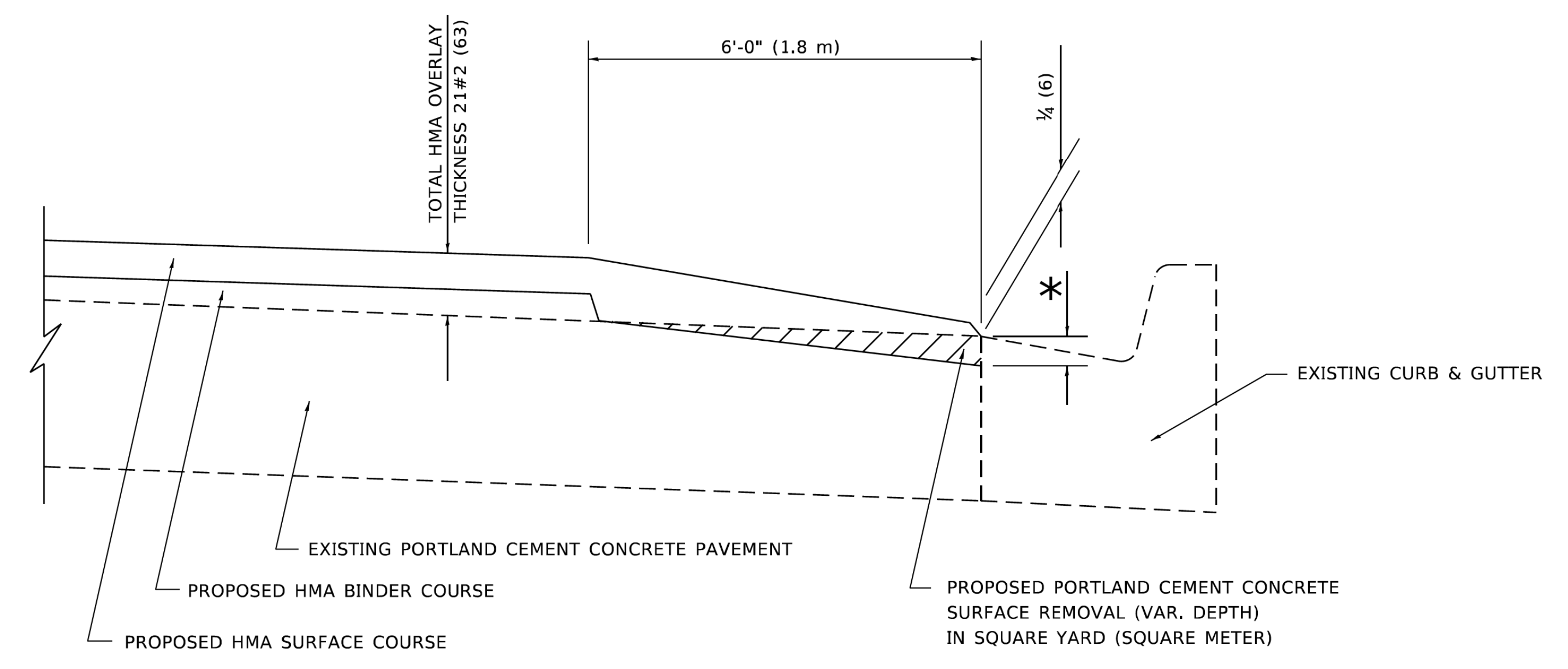
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PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

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. 3507 1292	SECTION 19-00203-02-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 77
BD400-05 BD-32		CONTRACT NO. 61116		
ILLINOIS FED. AID PROJECT				



**HMA TAPER AT
EDGE OF P.C.C. PAVEMENT**

HMA SURFACE COURSE	HMA BINDER COURSE	* MILLING AT GUTTER FLAG	
MIX	THICKNESS	THICKNESS	
D	1 1/2 (38)	1 (25)	1 1/4 (33)
E OR SMA 9.5	1 3/4 (44)	3/4 (19)	1 1/2 (38)

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

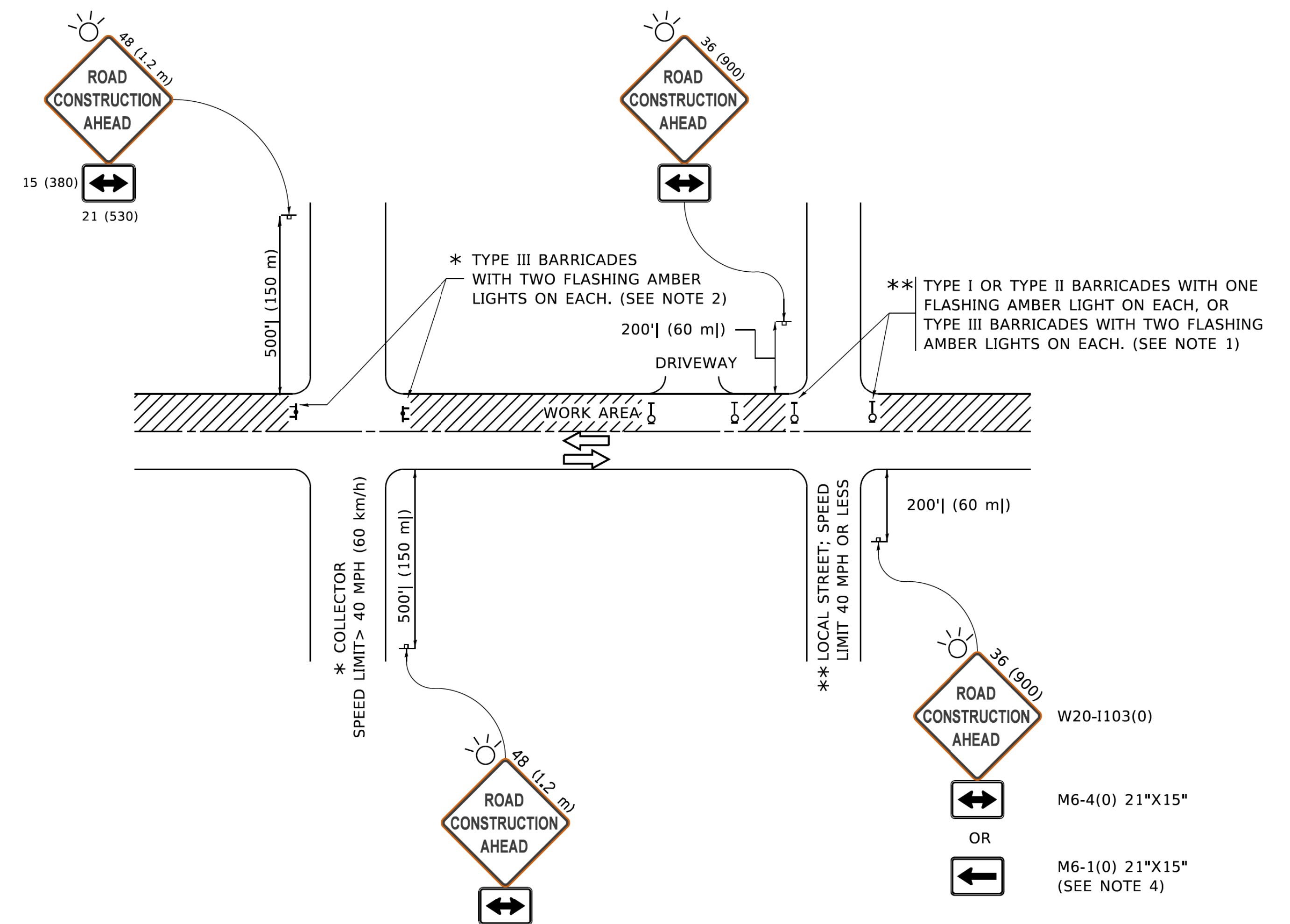
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PLOT SCALE = 100.0000' / in.	CHECKED - A. ABBAS	REVISED - JP CHANG 07-08-16
PLOT DATE = 2/2/2022	DATE - 09-10-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HMA TAPER AT EDGE OF P.C.C. PAVEMENT			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE. 3507 1292	SECTION 19-00203-02-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 78
BD400-06		BD-33	CONTRACT NO. 61116	
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.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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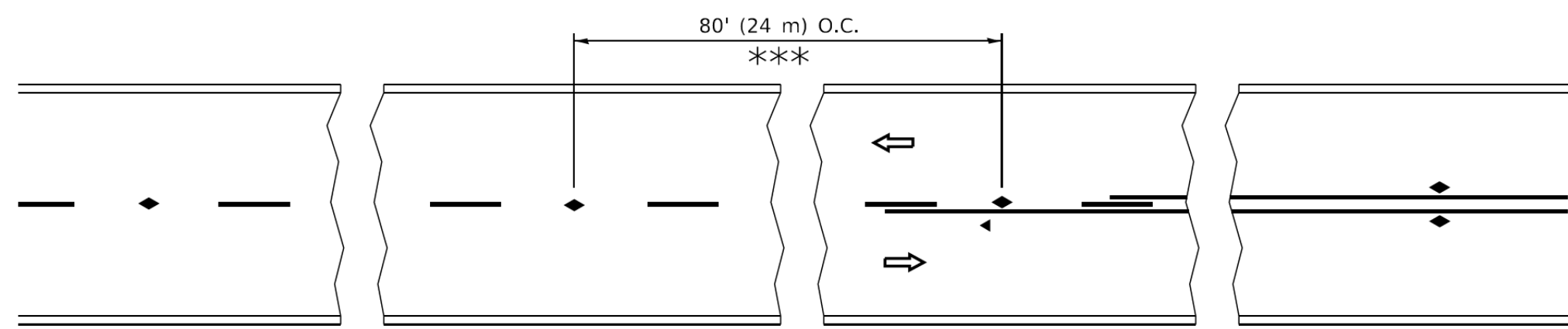
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

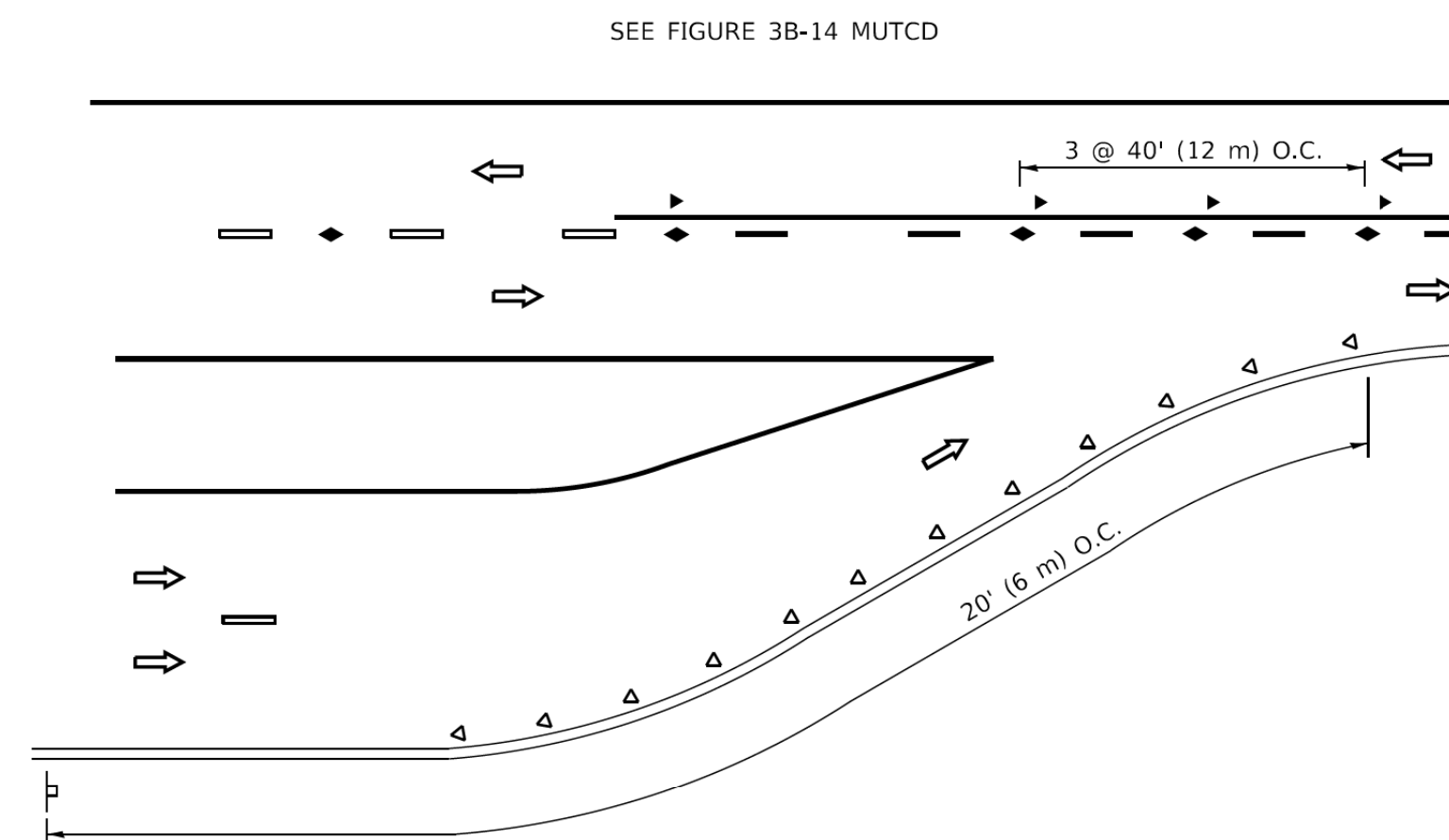
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10		CONTRACT NO. 61J16		
ILLINOIS FED. AID PROJECT				

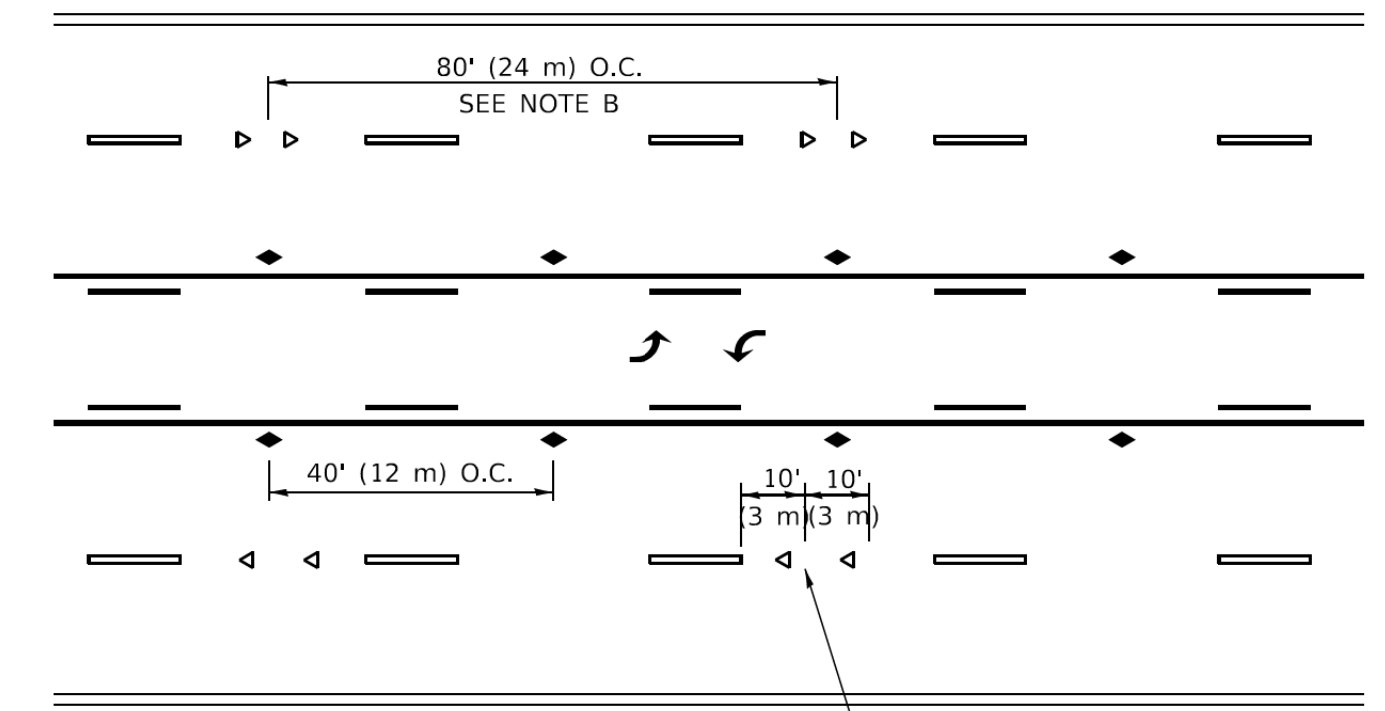


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

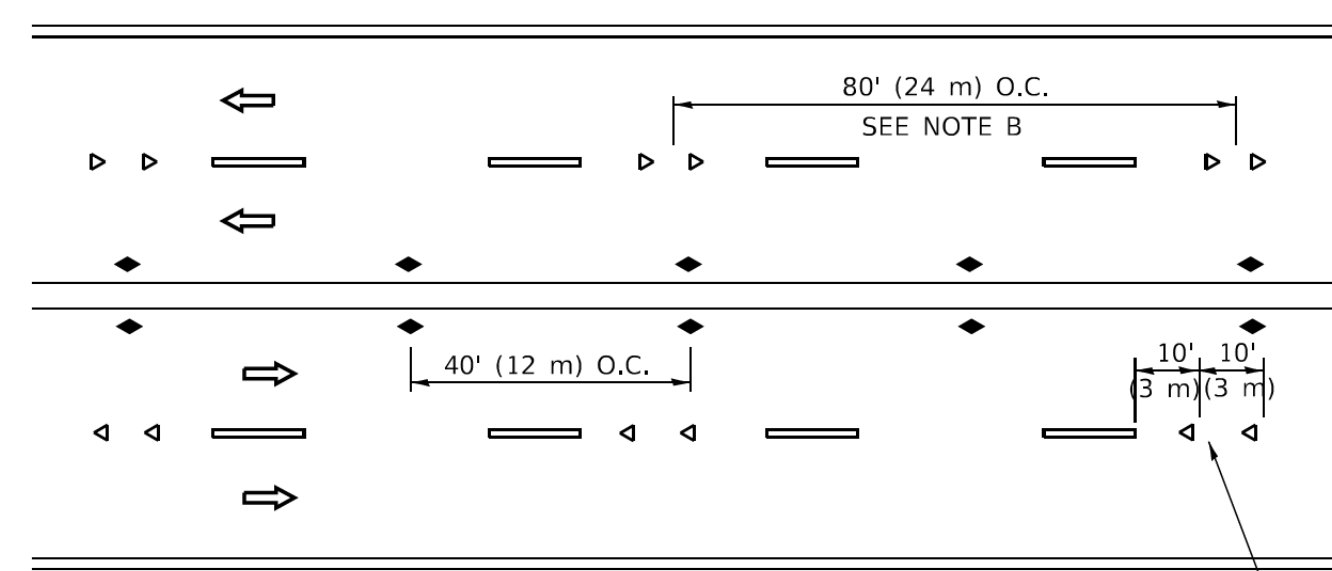
TWO-LANE/TWO-WAY



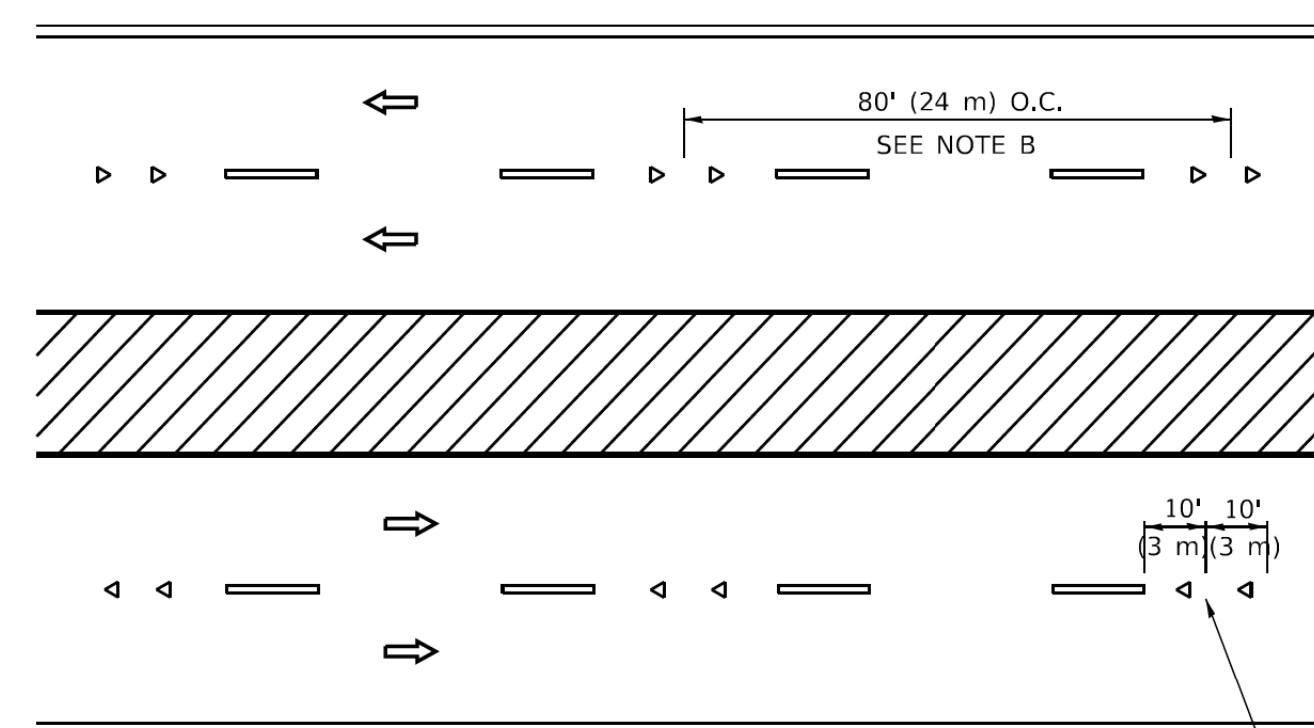
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

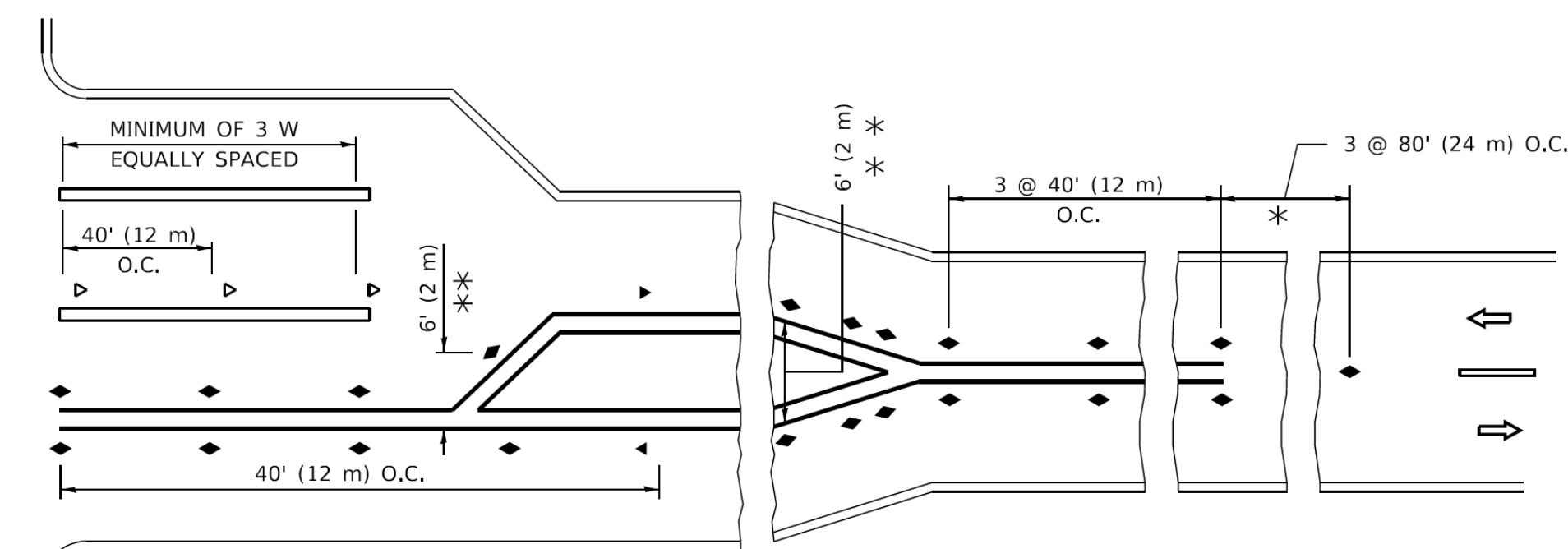
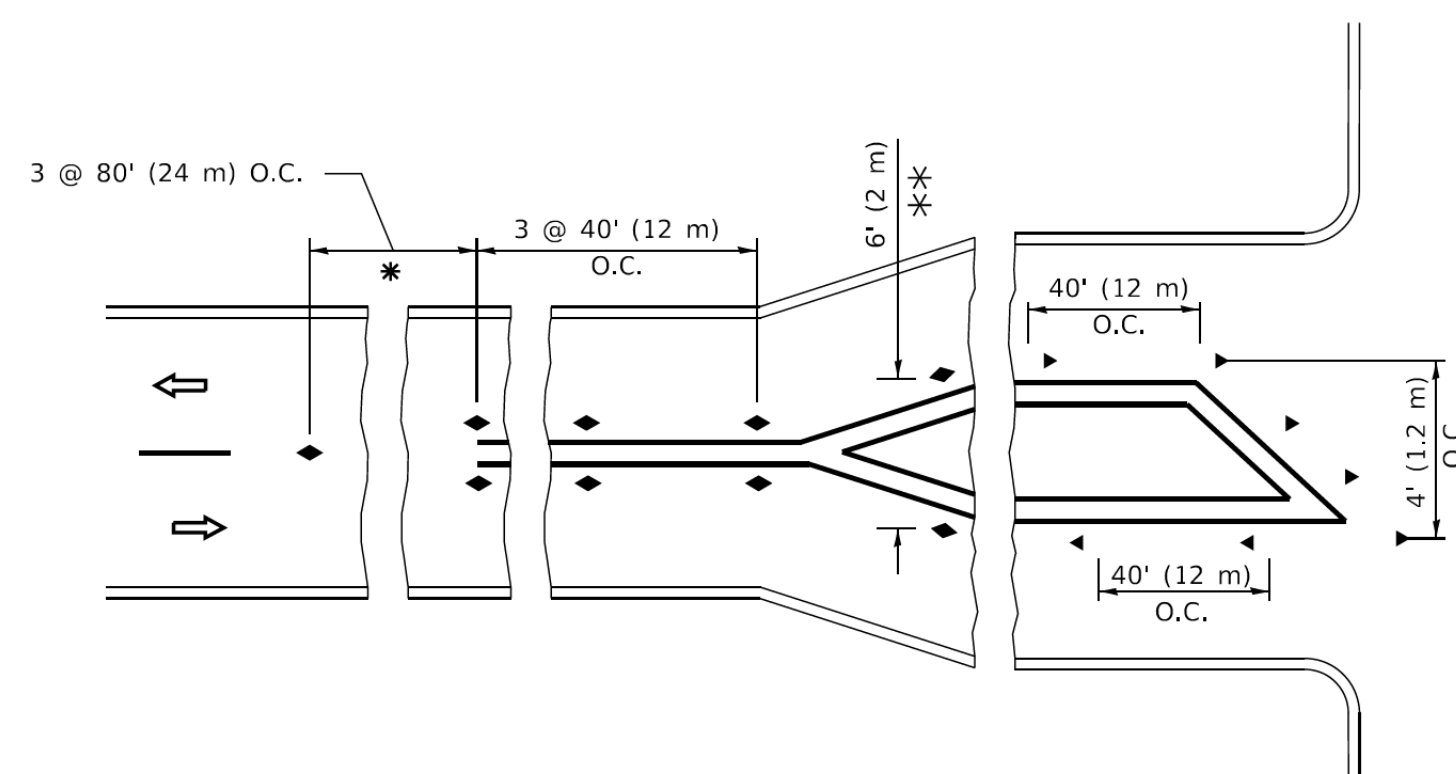
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

TURN LANES

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

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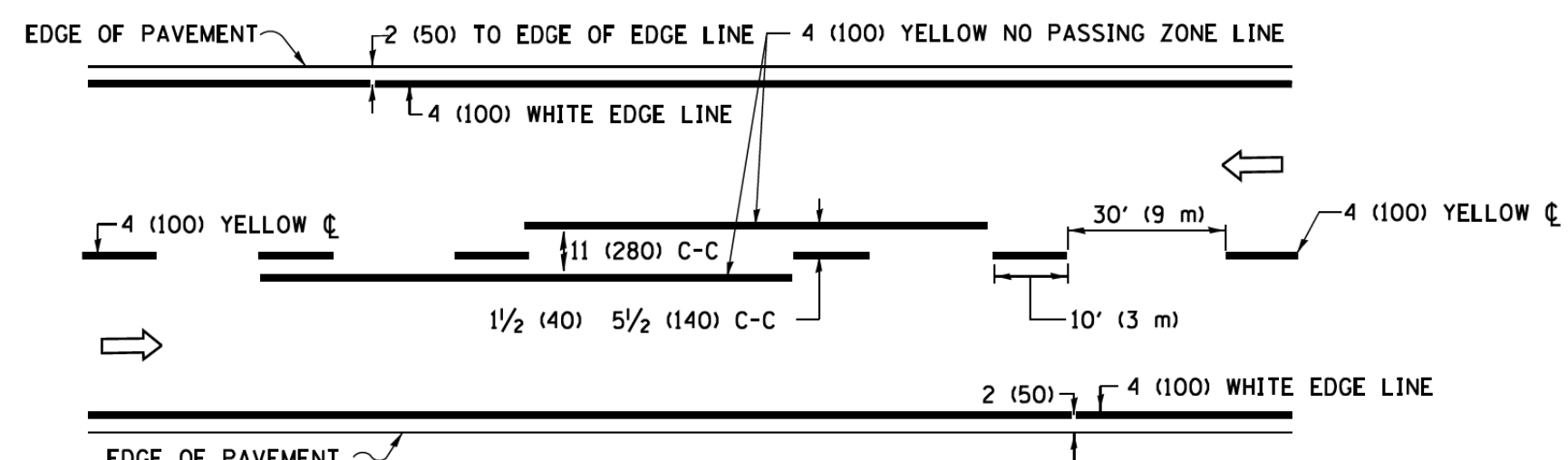
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PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

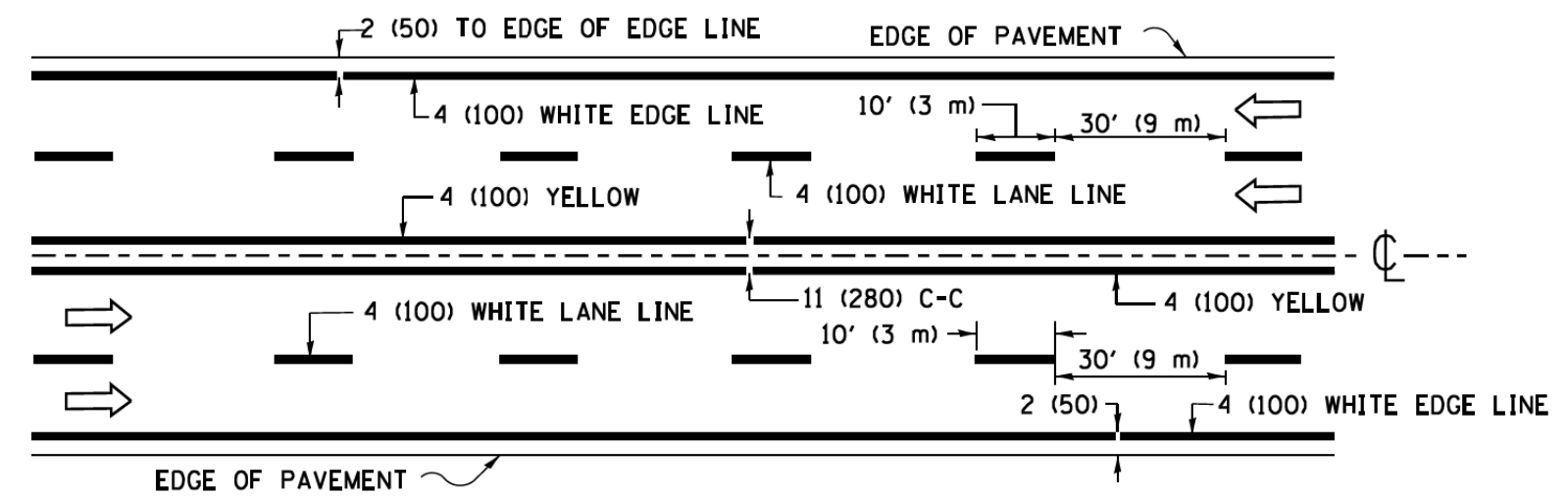
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

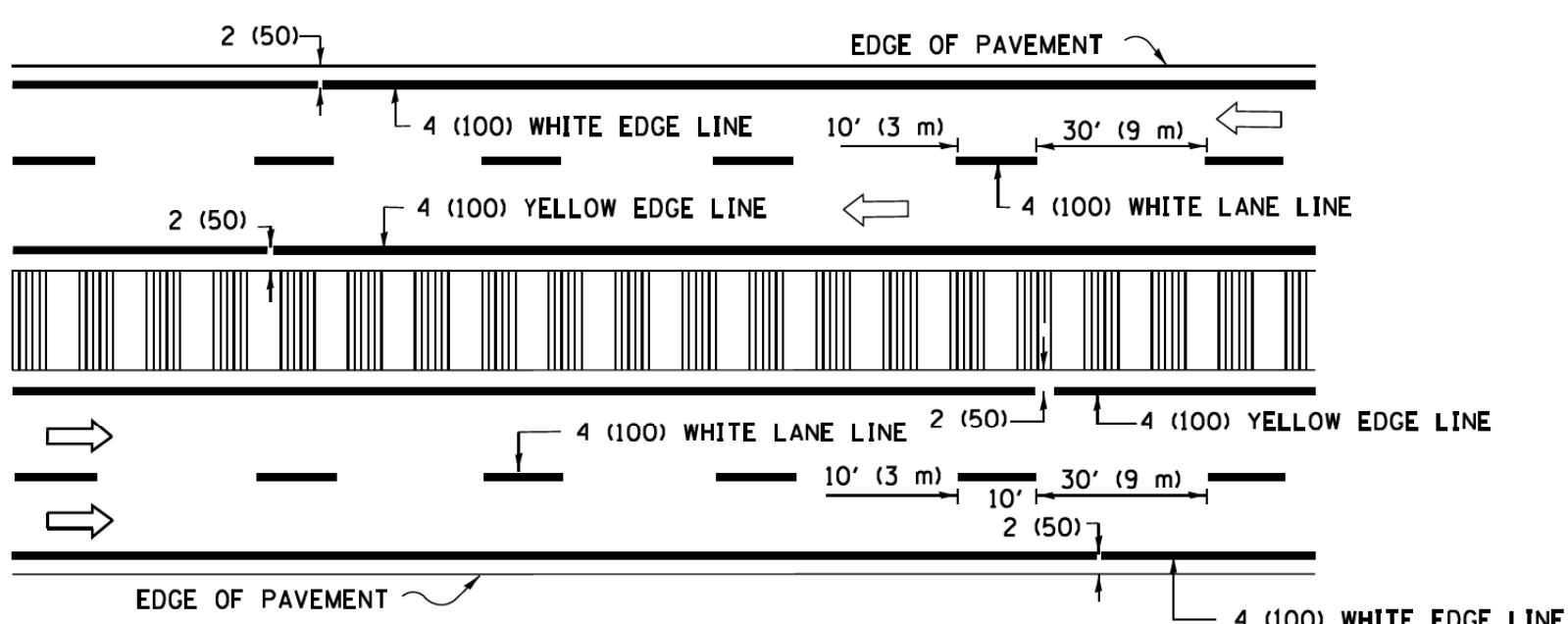
F.A. RTE. 3507/1292	SECTION 19-00203-02-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 80
TC-11		CONTRACT NO. 61J16		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

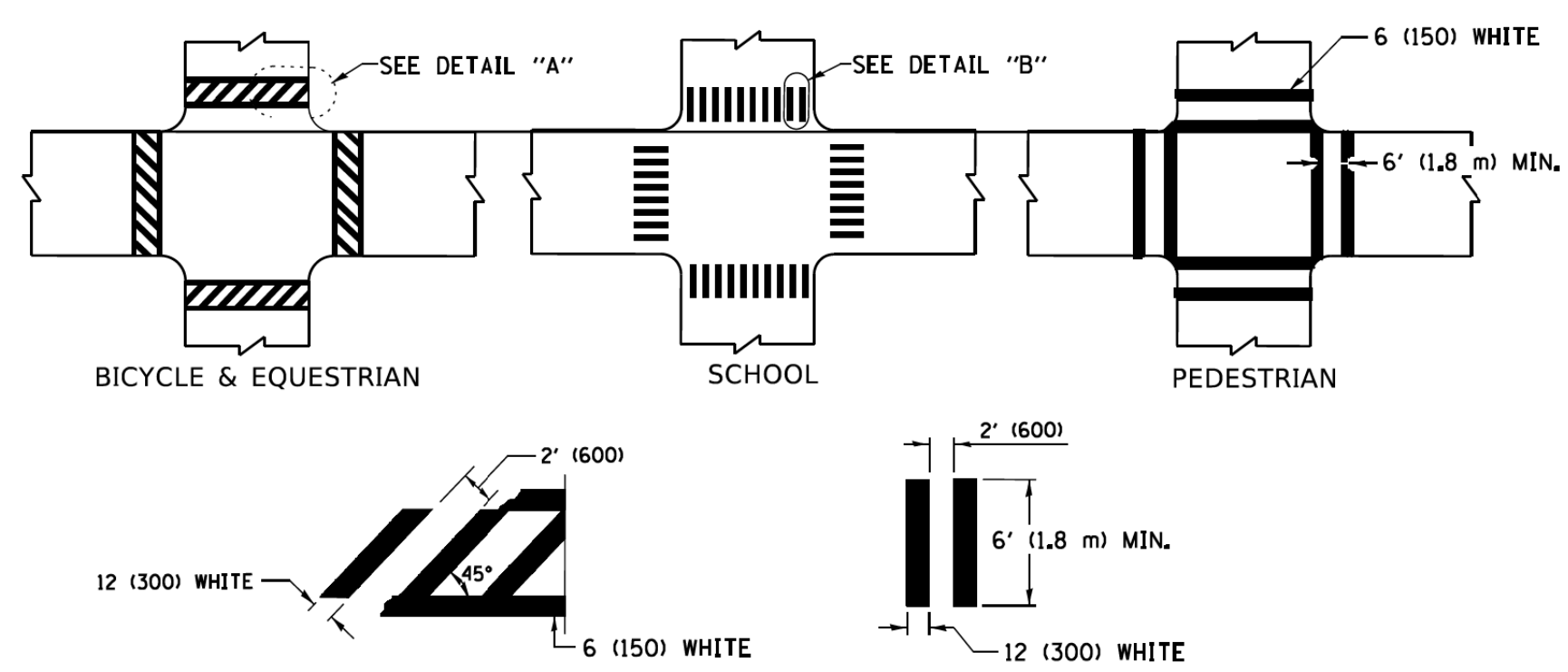


MULTI-LANE UNDIVIDED



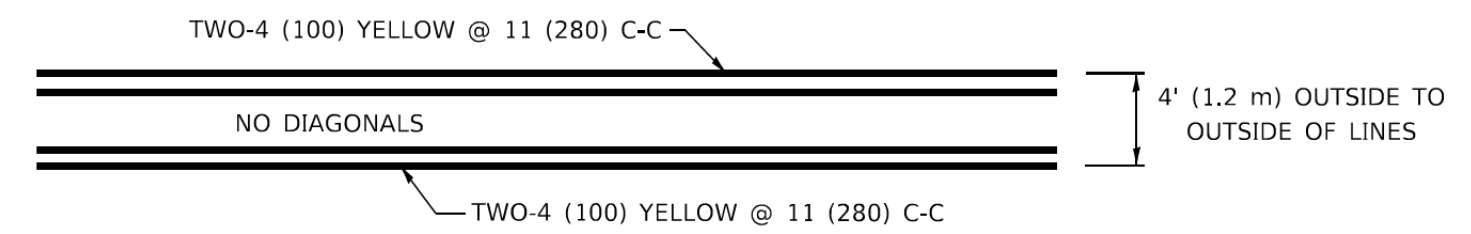
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

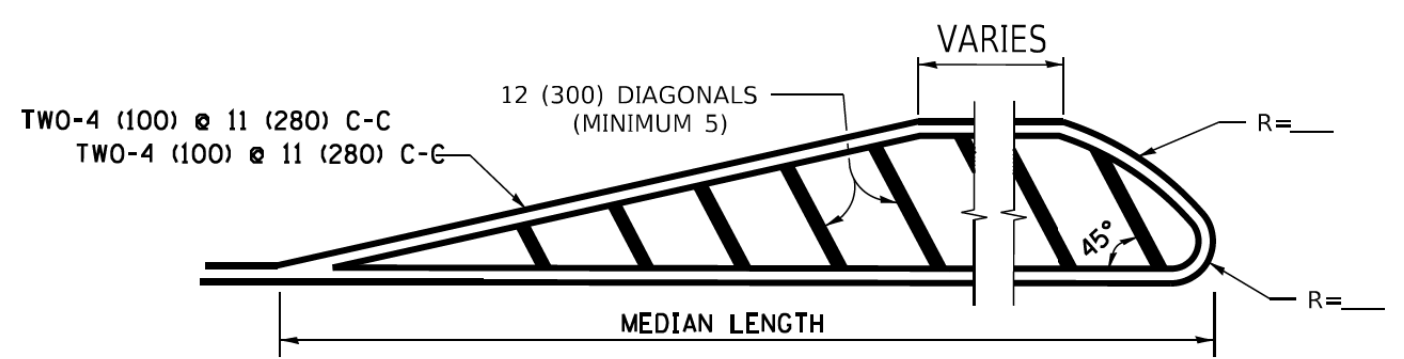


TYPICAL CROSSWALK MARKING

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

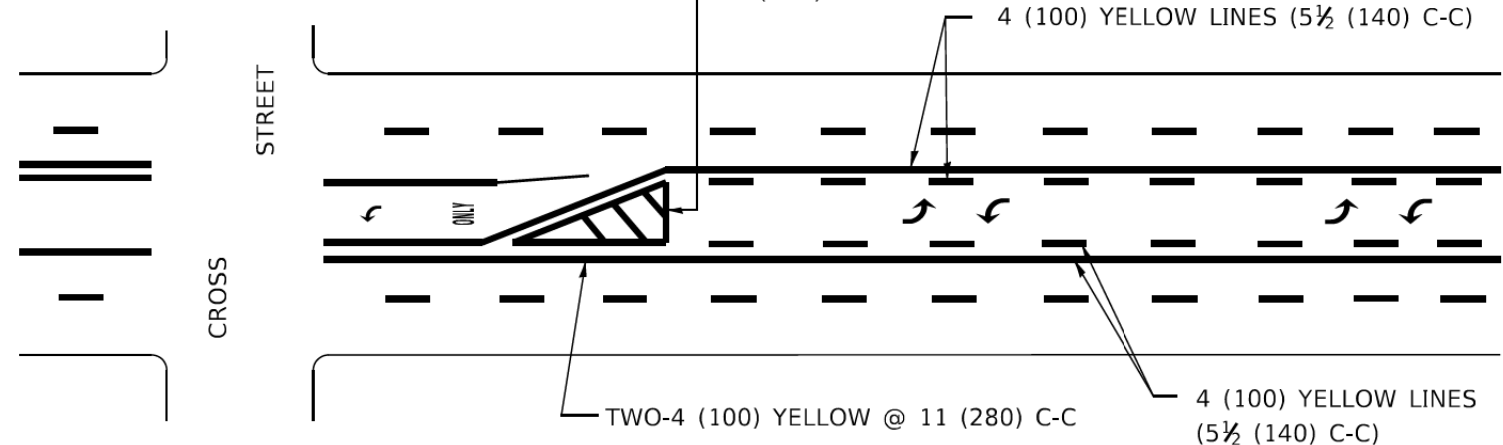


4' (1.2 m) WIDE MEDIANS ONLY



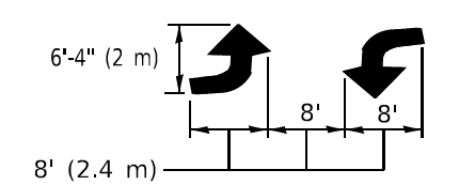
MEDIANS OVER 4' (1.2 m) WIDE

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))



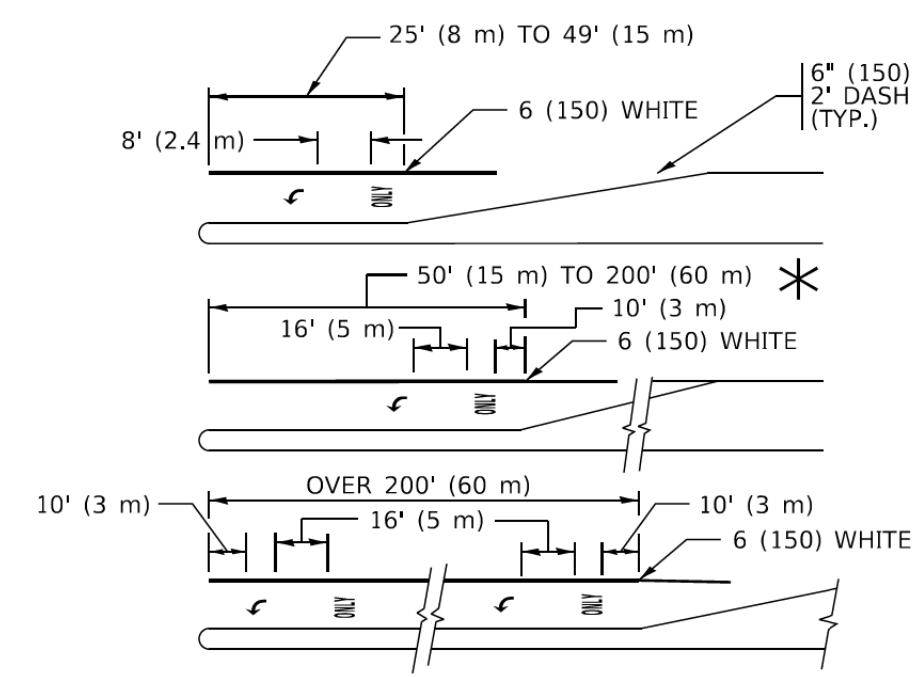
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

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.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

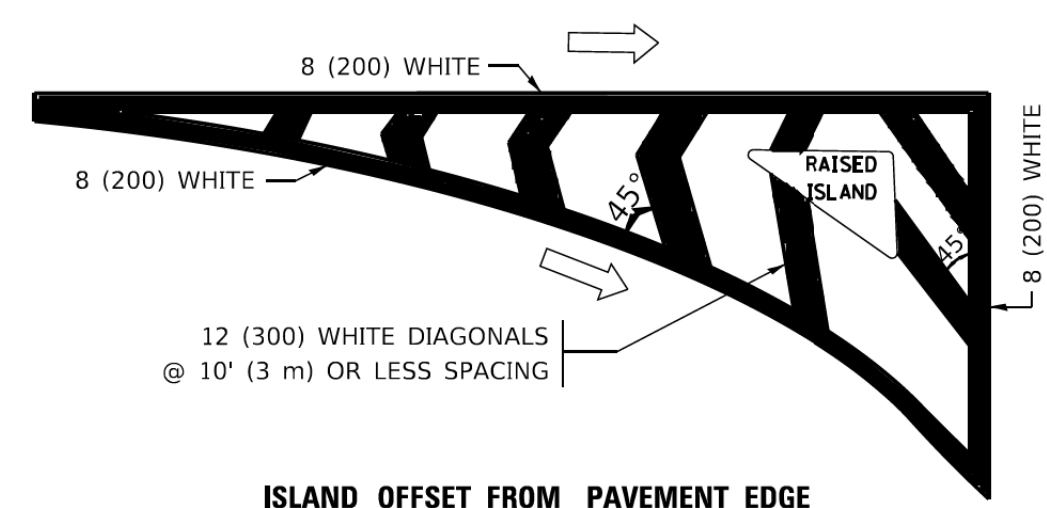


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

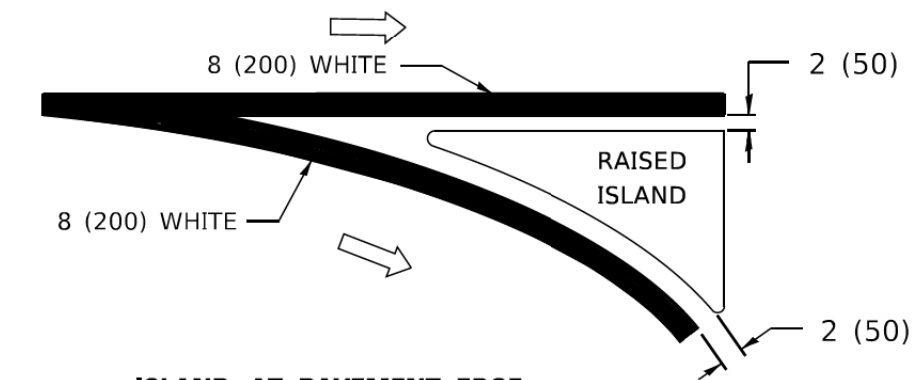
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

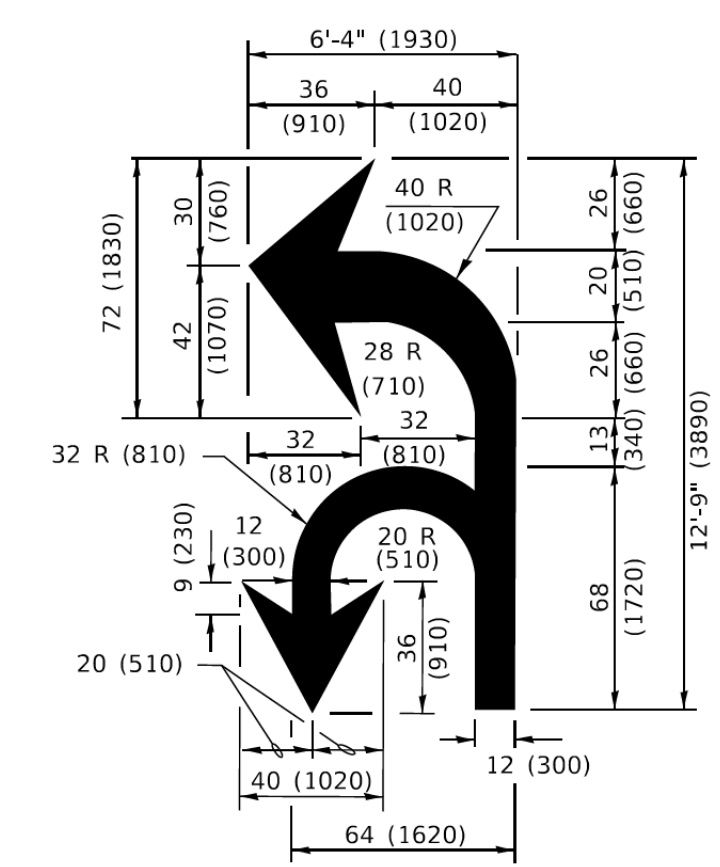


ISLAND OFFSET FROM PAVEMENT EDGE

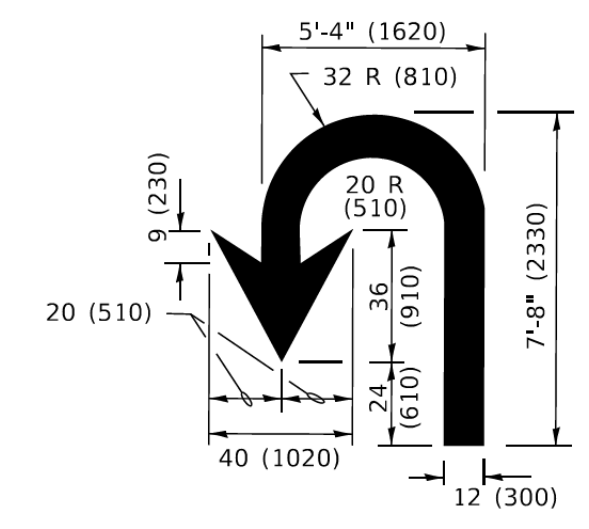


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8" (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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" 15 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.

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PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		3507 1292	19-00203-02-CH	COOK	99	81
SCALE: NONE		SHEET 1 OF 2 SHEETS		STA. TO STA.	CONTRACT NO. 61J16	
		ILLINOIS		FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

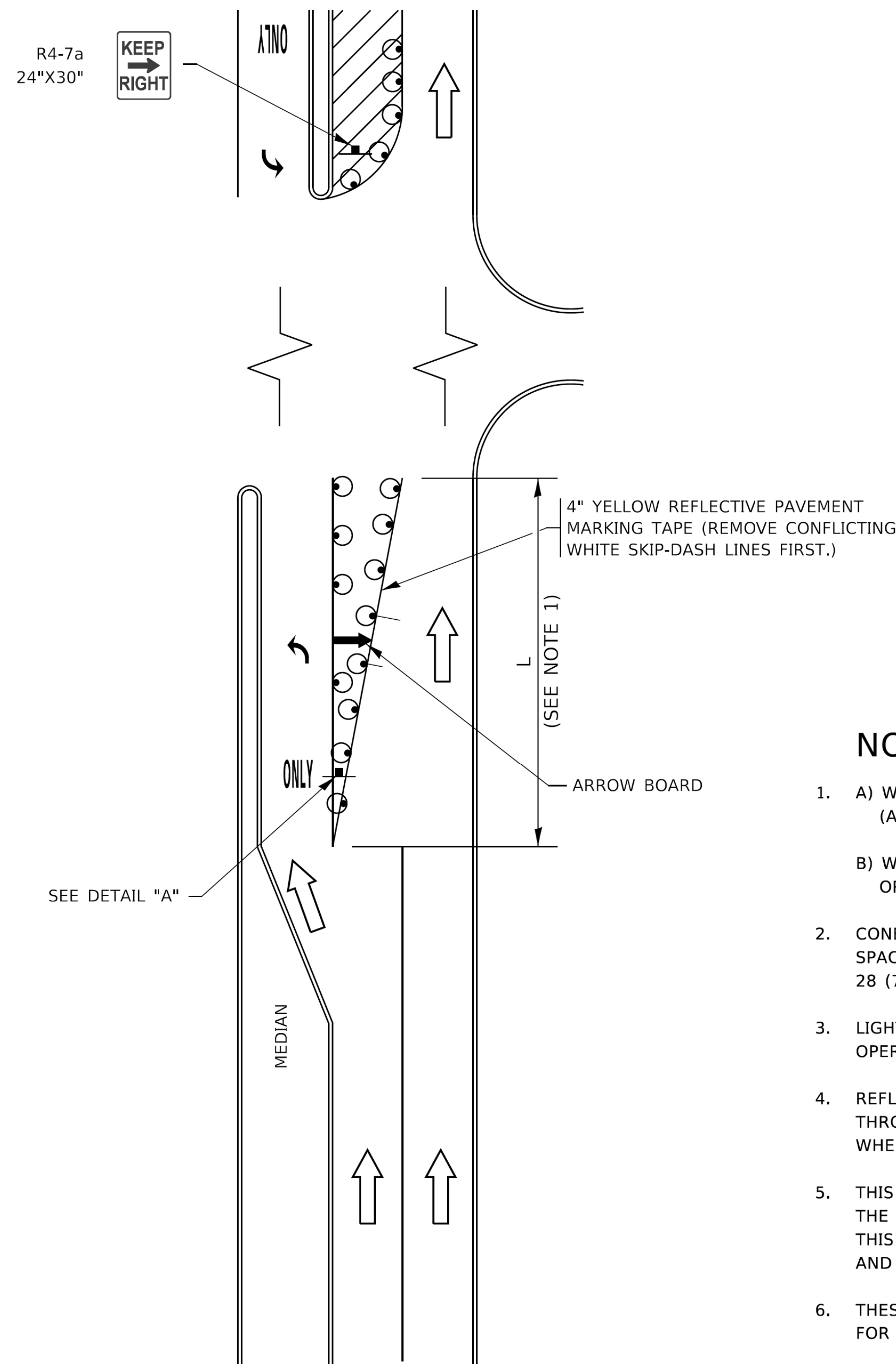


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

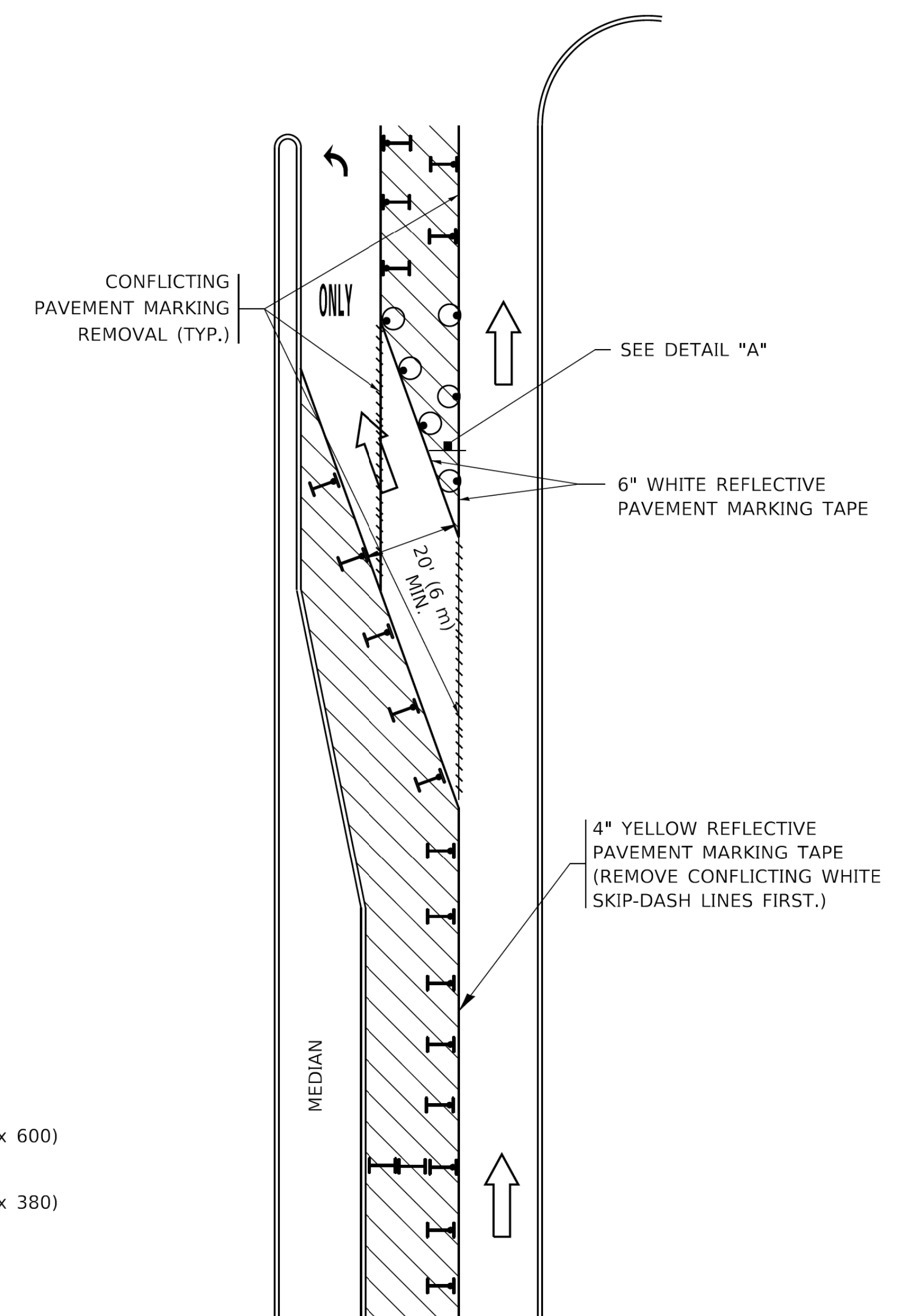


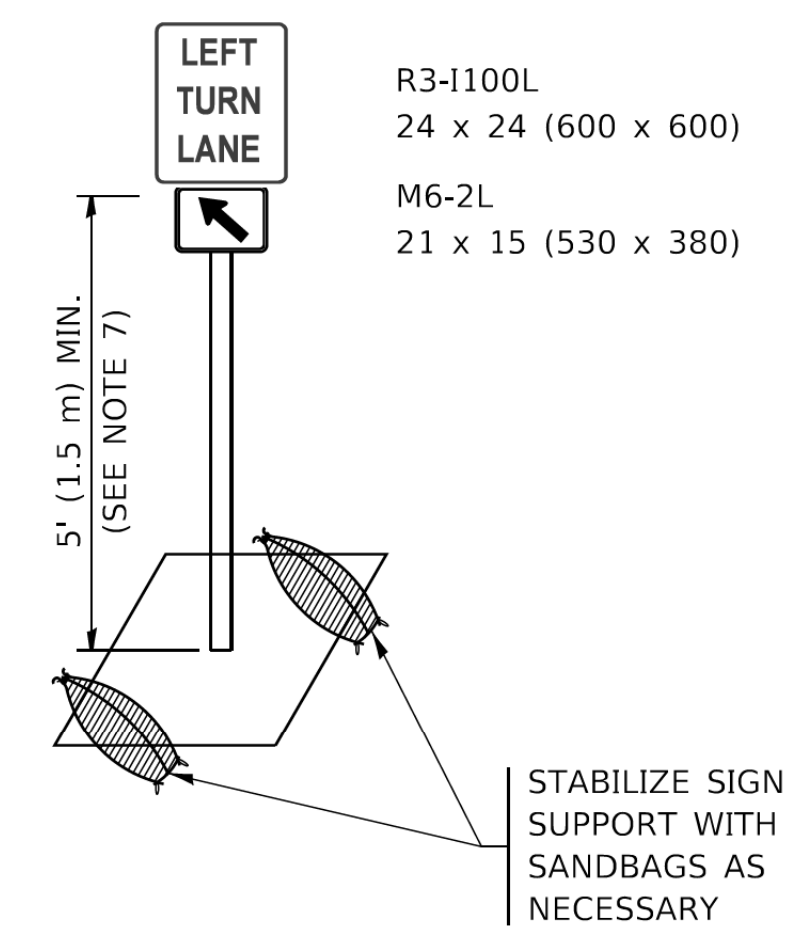
FIGURE 2

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.

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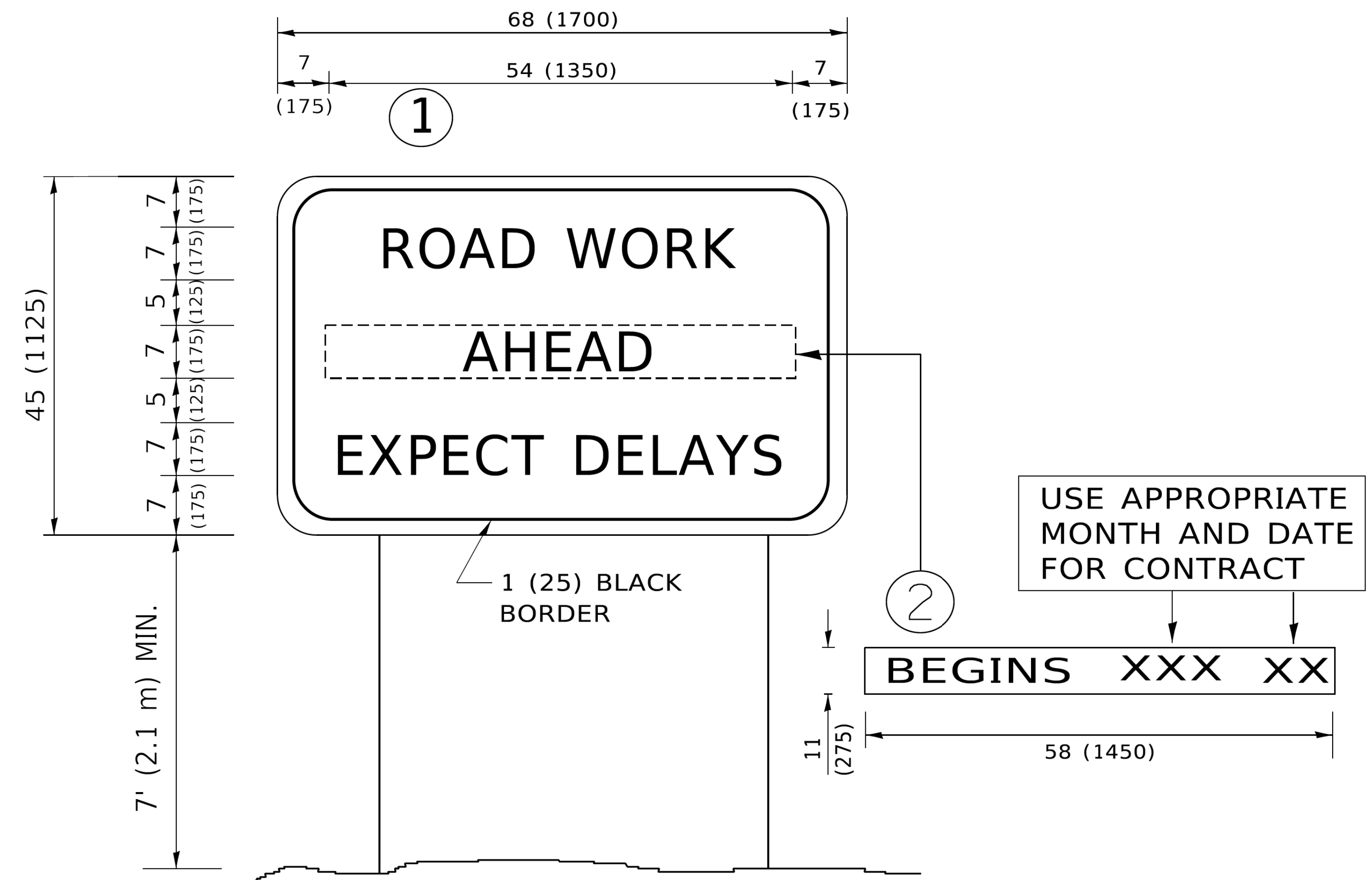
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PLOT SCALE = 50.0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**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. 350/1292	SECTION 19-00203-02-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 82
TC-14		CONTRACT NO. 61J16		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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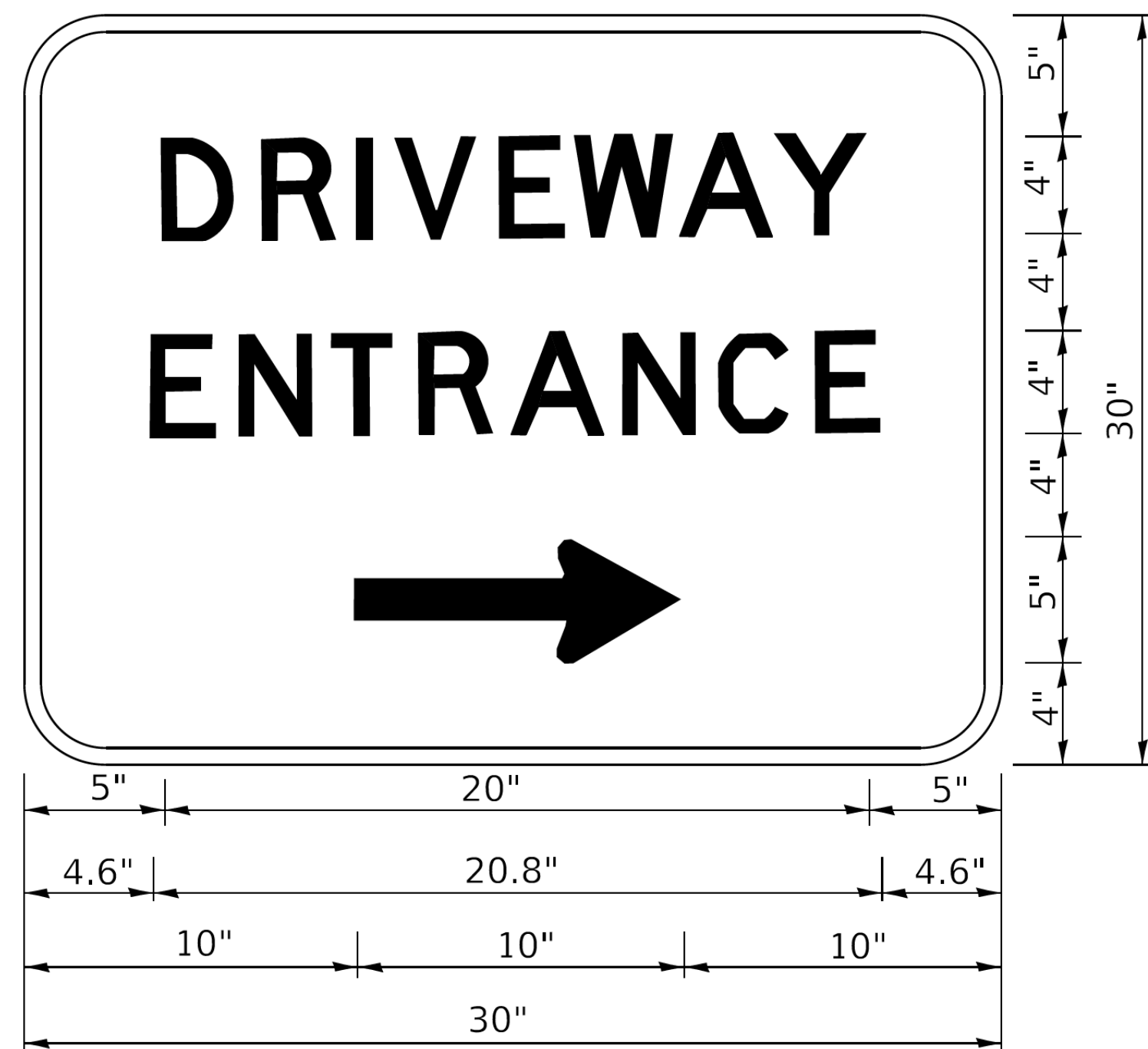
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE. 3507 1292	SECTION 19-00203-02-CH	COUNTY COOK	TOTAL SHEETS 99	SHEET NO. 83
TC-22		CONTRACT NO. 61J16		
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

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 OFFICE: District 1
 DATE: 8/6/2021

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	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

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 DEPARTMENT OF TRANSPORTATION**

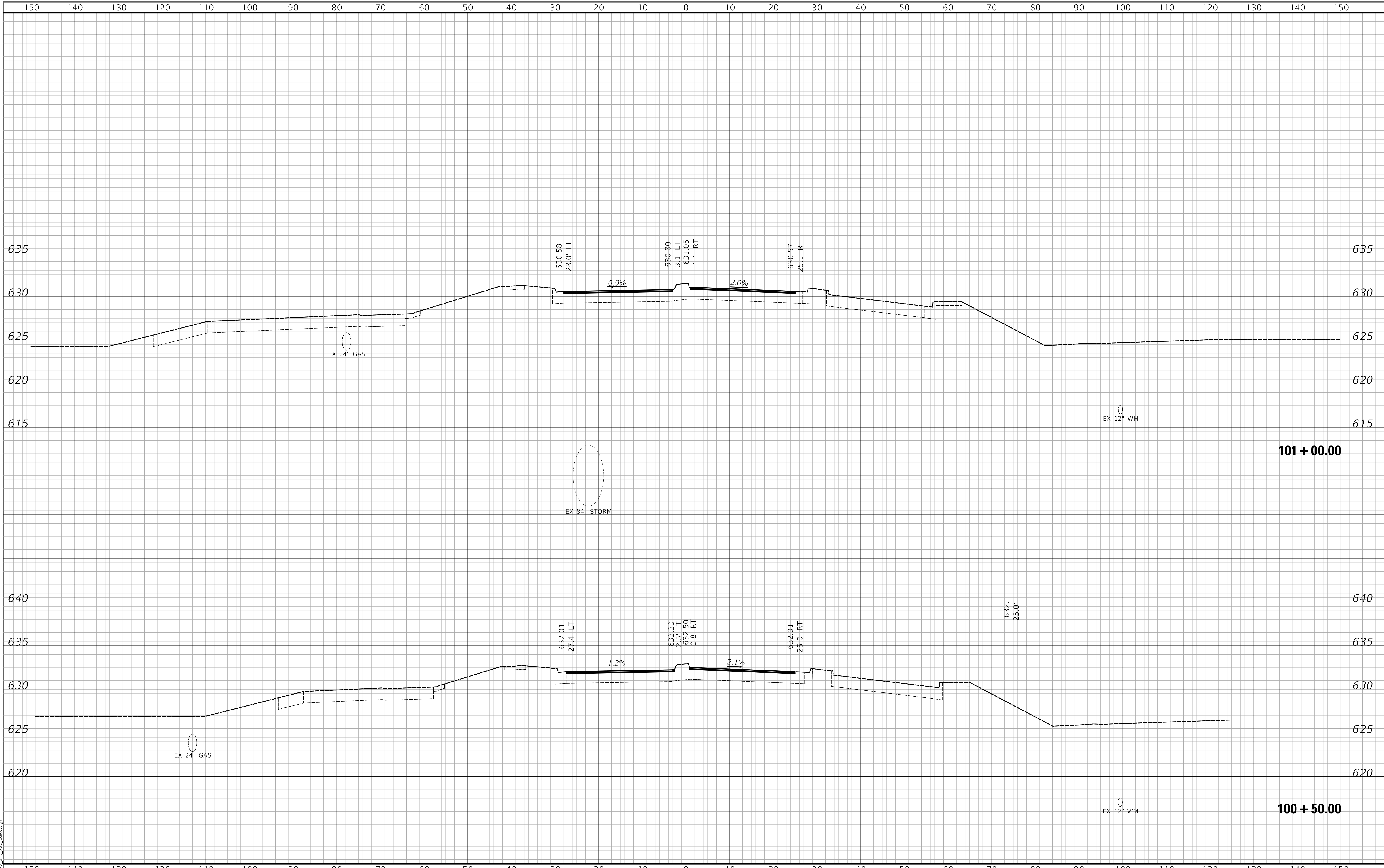
DRIVEWAY ENTRANCE SIGNING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350/1292	19-00203-02-CH	COOK	99	84
TC-26			CONTRACT NO. 61116	
ILLINOIS FED. AID PROJECT				

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Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED	-	JMG	REVISED	-
DRAWN	-	JRR	REVISED	-
CHECKED	-	KRK	REVISED	-
DATE	-	11/28/2022	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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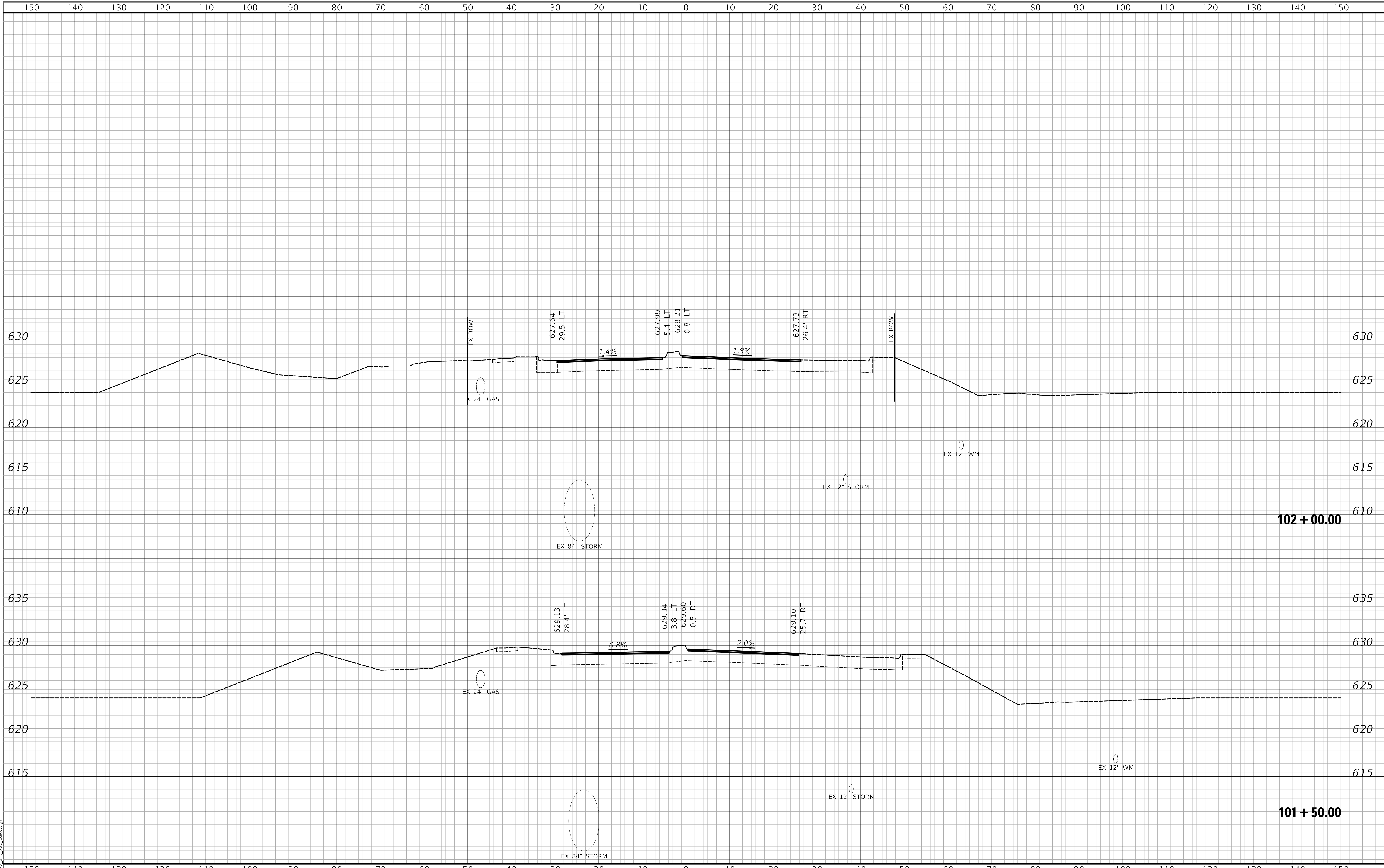
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 1 OF 15 SHEETS STA 100+00.00 TO STA 101+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	85
				CONTRACT NO 61J16
				ILLINOIS FED AID PROJECT

PLAN	SURVEYED	DATE
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DESIGNED	-	JMG	REVISED	-
DRAWN	-	JRR	REVISED	-
CHECKED	-	KRK	REVISED	-
DATE	-	11/28/2022	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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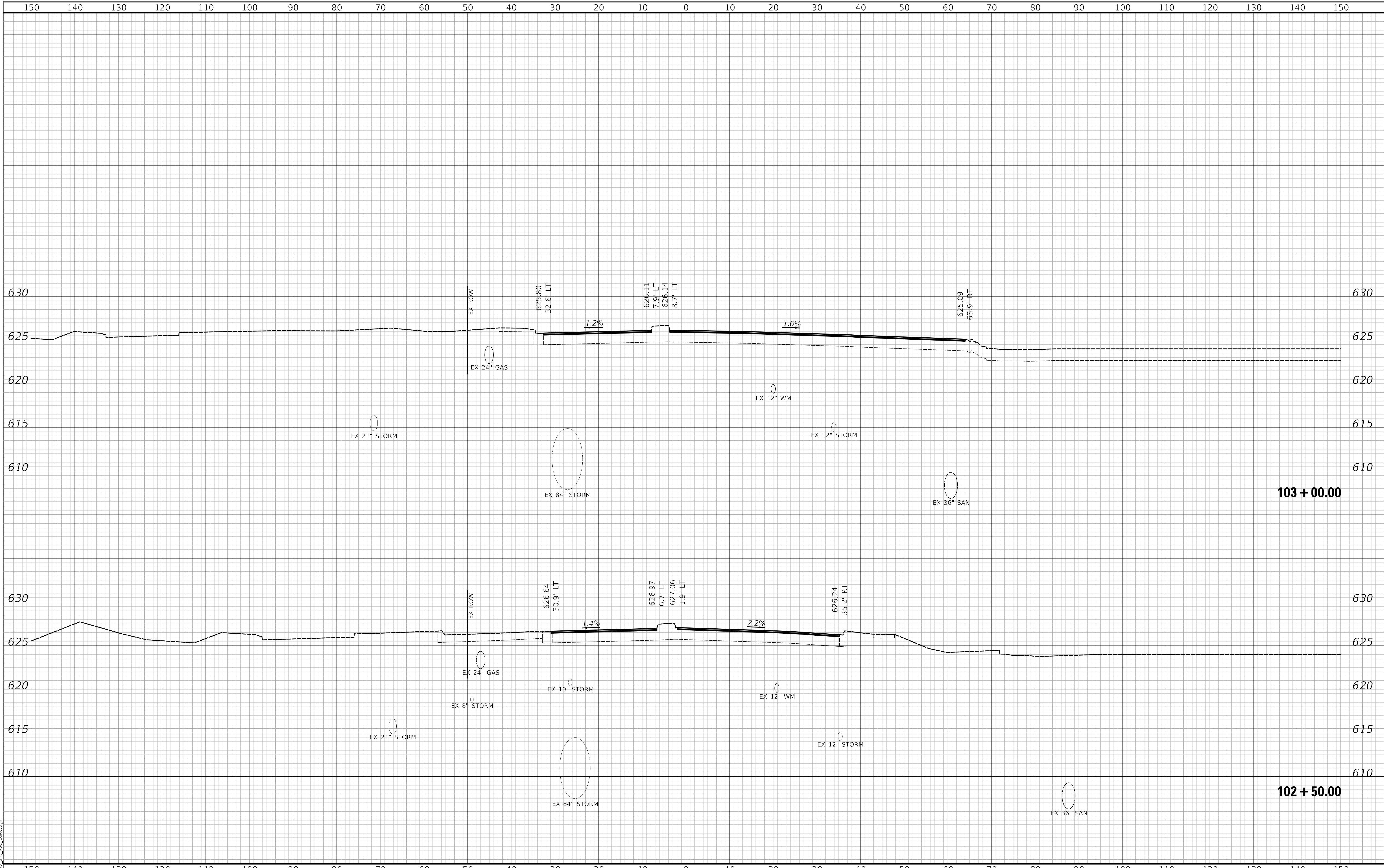
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 2 OF 15 SHEETS STA 101+50.00 TO STA 102+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	86
				CONTRACT NO 61J16
				ILLINOIS FED AID PROJECT

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	GRADES CHECKED	
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Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
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DESIGNED	-	JMG	REVISED	-
DRAWN	-	JRR	REVISED	-
CHECKED	-	KRK	REVISED	-
DATE	-	11/28/2022	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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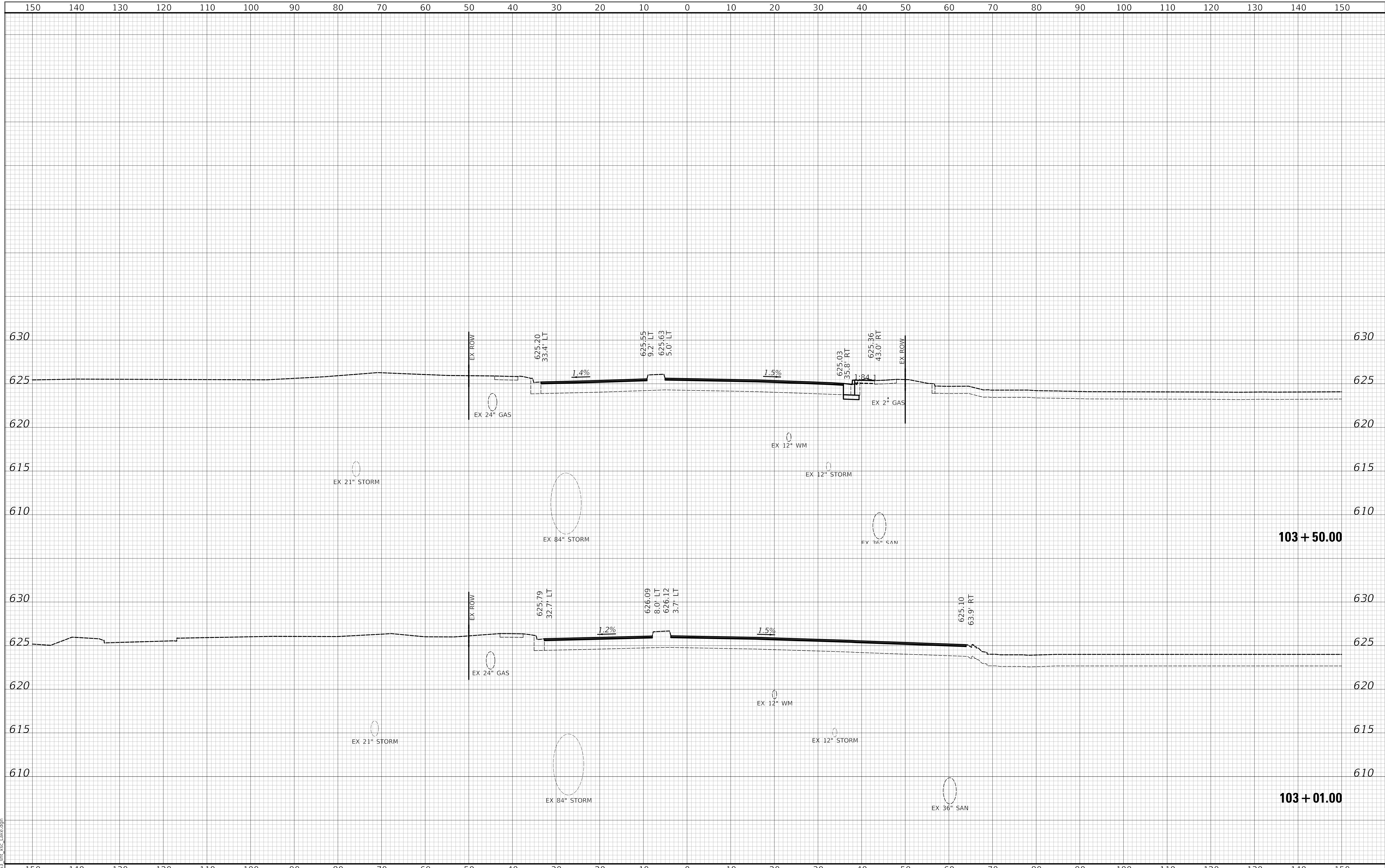
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 3 OF 15 SHEETS STA 102+50.00 TO STA 103+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
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				CONTRACT NO 61J16
				ILLINOIS FED AID PROJECT

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DRAWN	-	JRR	REVISED	-
CHECKED	-	KRK	REVISED	-
DATE	-	11/28/2022	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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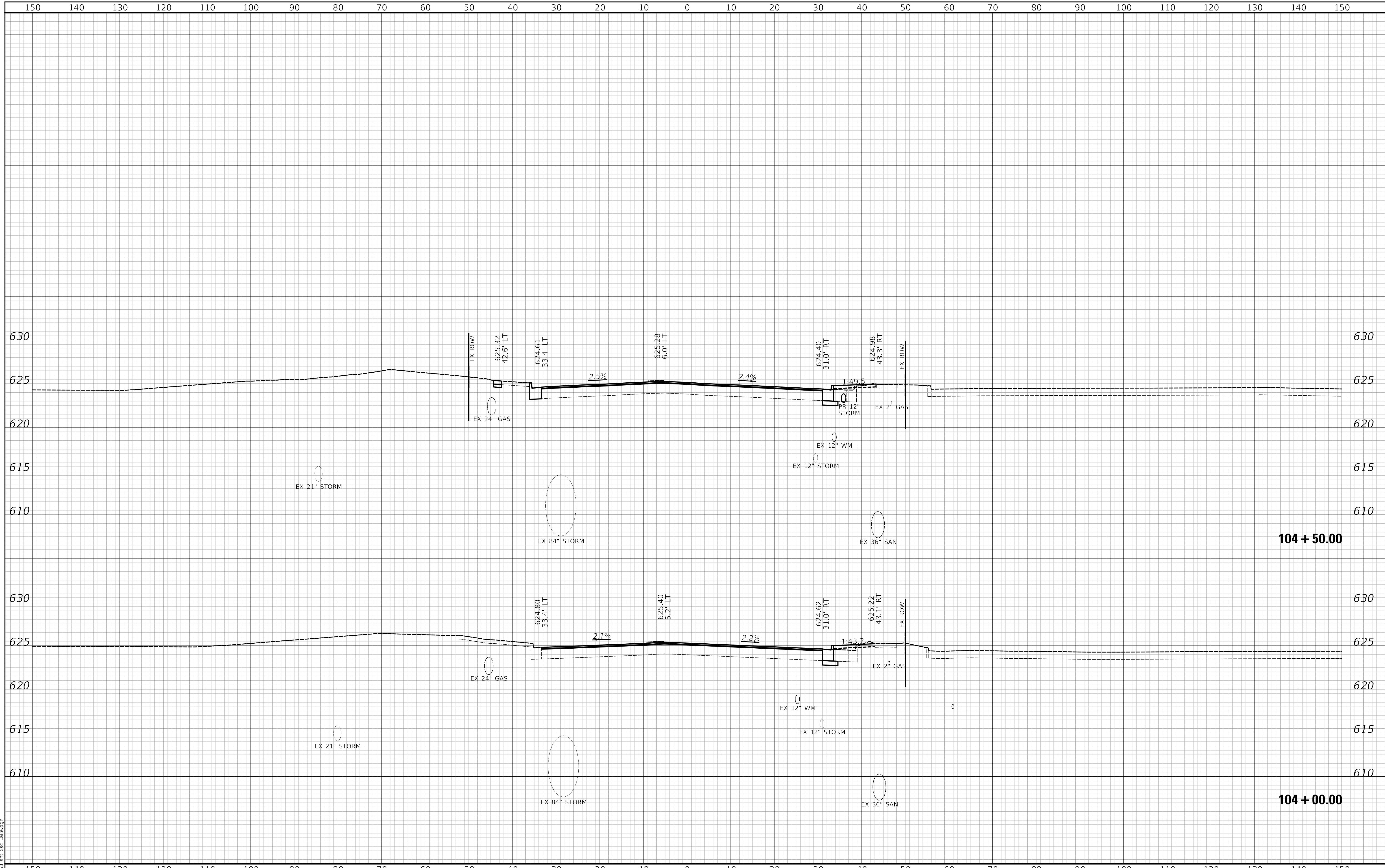
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 4 OF 15 SHEETS STA 103+01.00 TO STA 103+50.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	88
				CONTRACT NO 61116
				ILLINOIS FED AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	ALIGNMENT CHECKED	
	GRADE FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATION CHPKD	



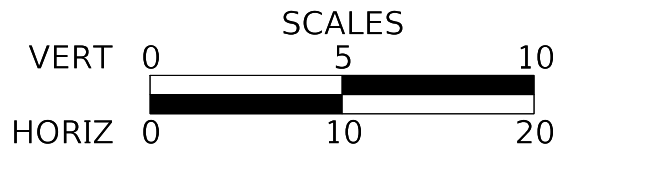
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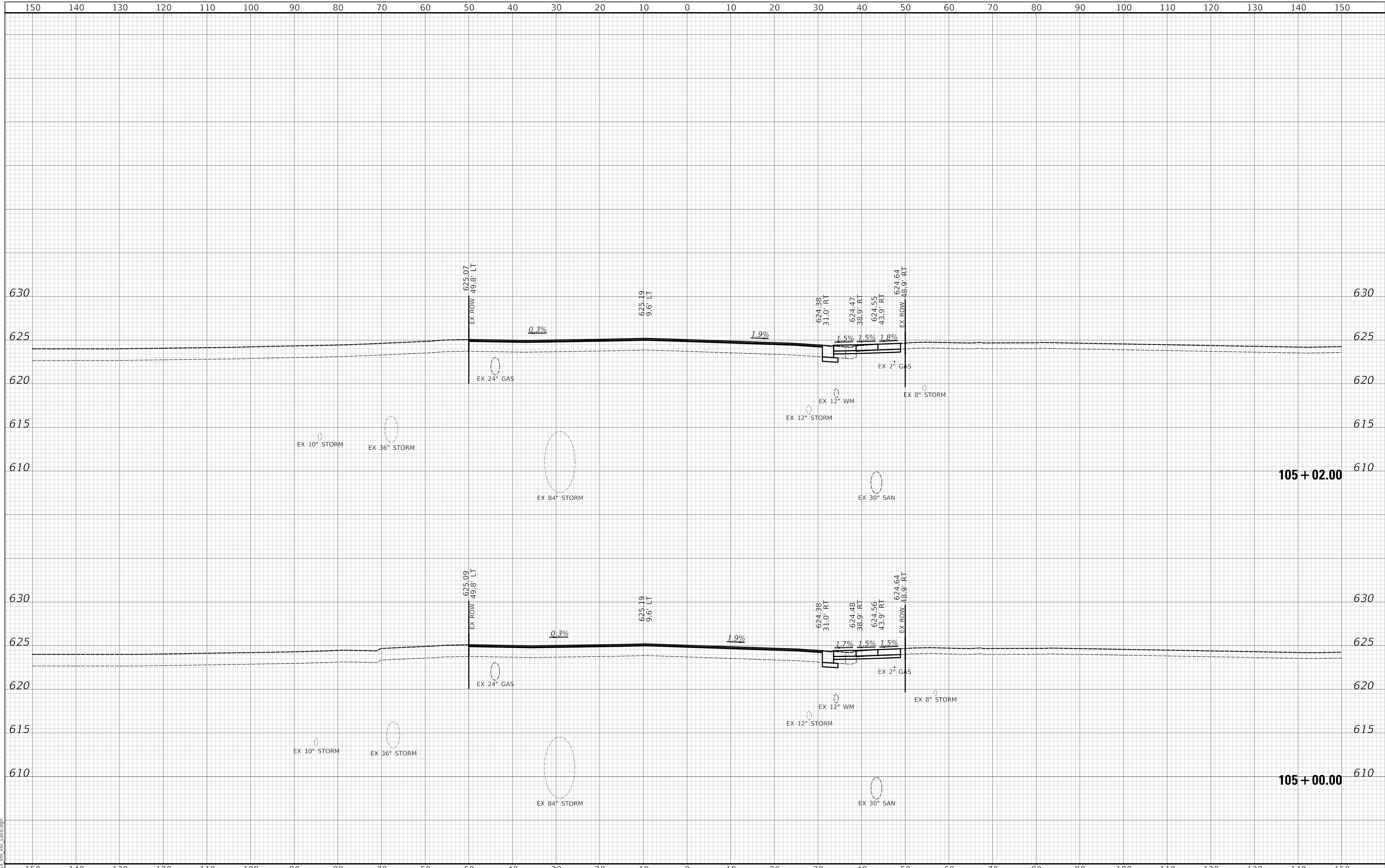
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 5 OF 15 SHEETS STA 104+00.00 TO STA 104+50.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	89
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NO.	



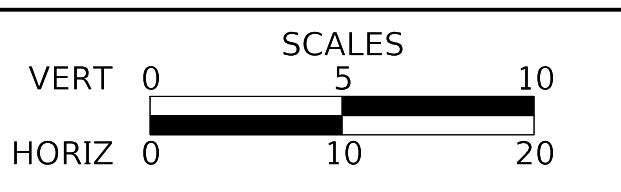
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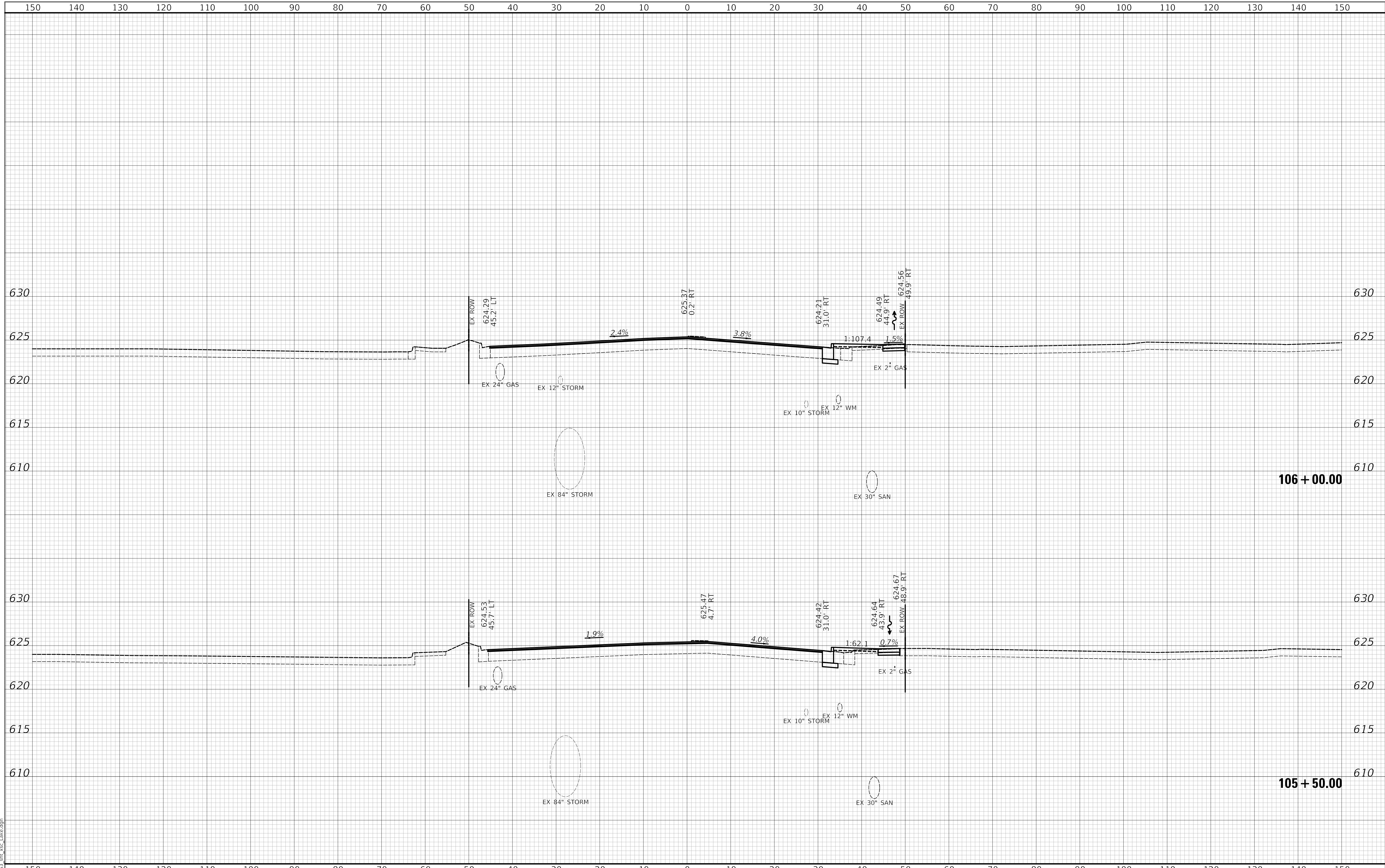
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 6 OF 15 SHEETS STA 105+00.00 TO STA 105+02.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	90
				CONTRACT NO 61J16
				ILLINOIS FED AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE FILE NAME	
	CADD FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION	
	NO.	



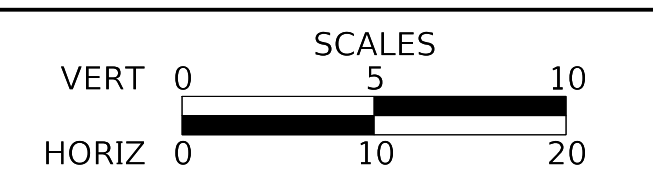
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DATE	-	11/28/2022	REVISED	-	

**STATE OF ILLINOIS
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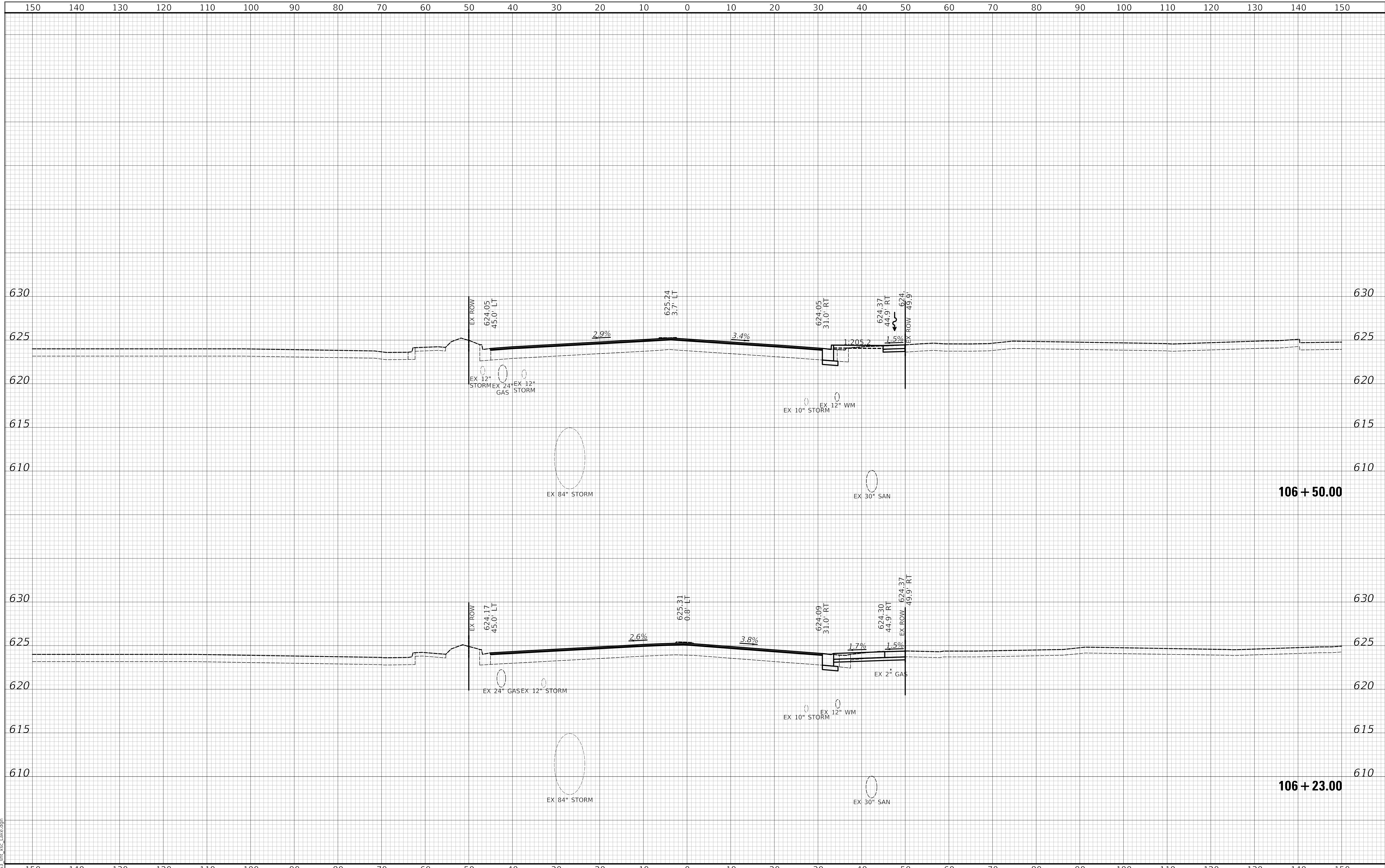
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 7 OF 15 SHEETS STA 105+50.00 TO STA 106+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	91
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
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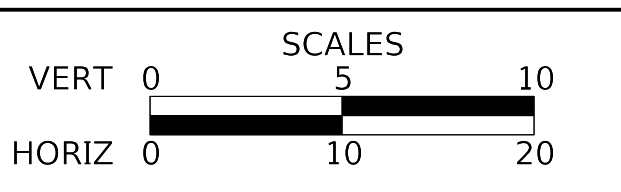
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CHECKED	-	KRK	REVISED	-	
DATE	-	11/28/2022	REVISED	-	

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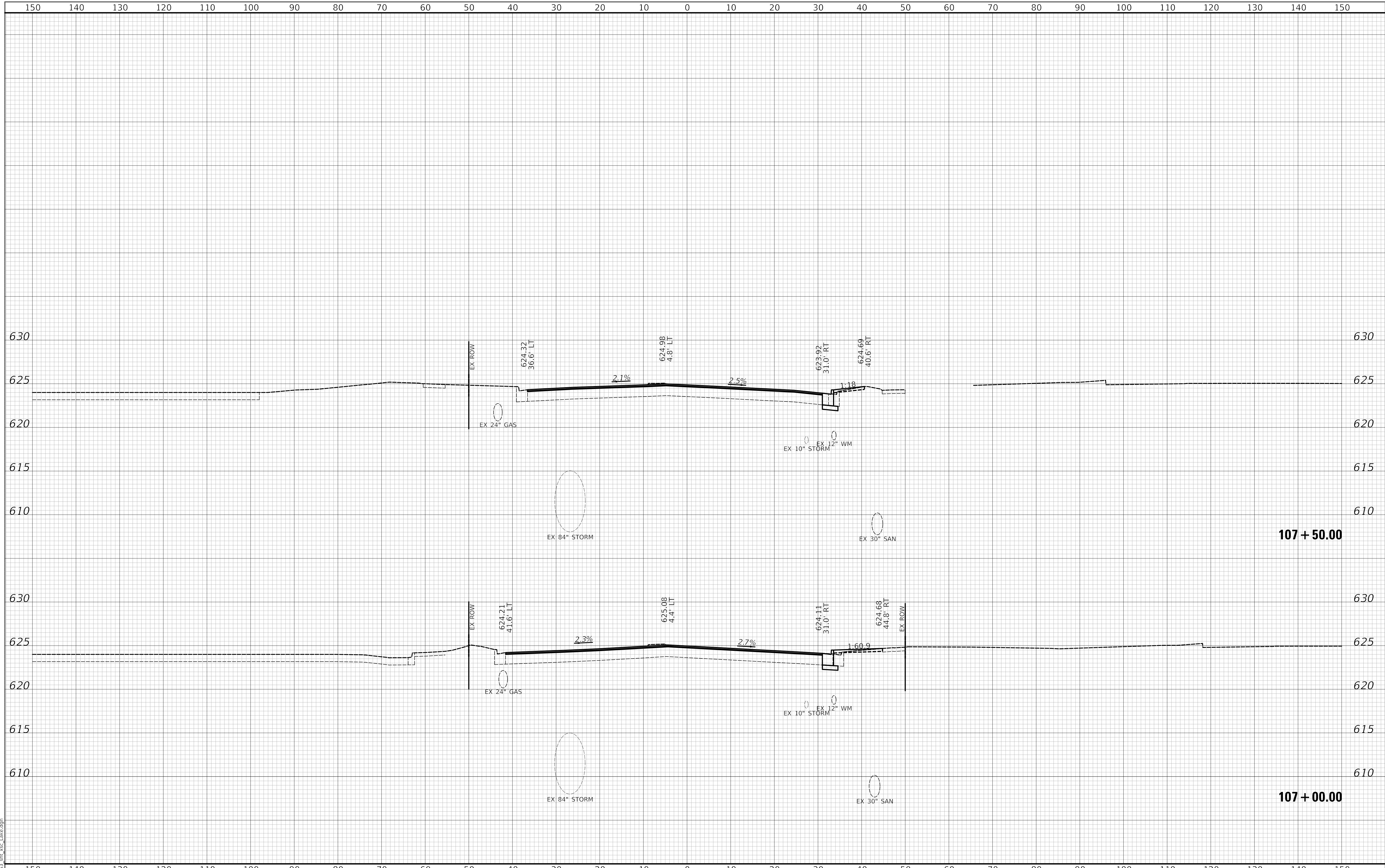
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 8 OF 15 SHEETS STA 106+23.00 TO STA 106+50.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	92
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION	



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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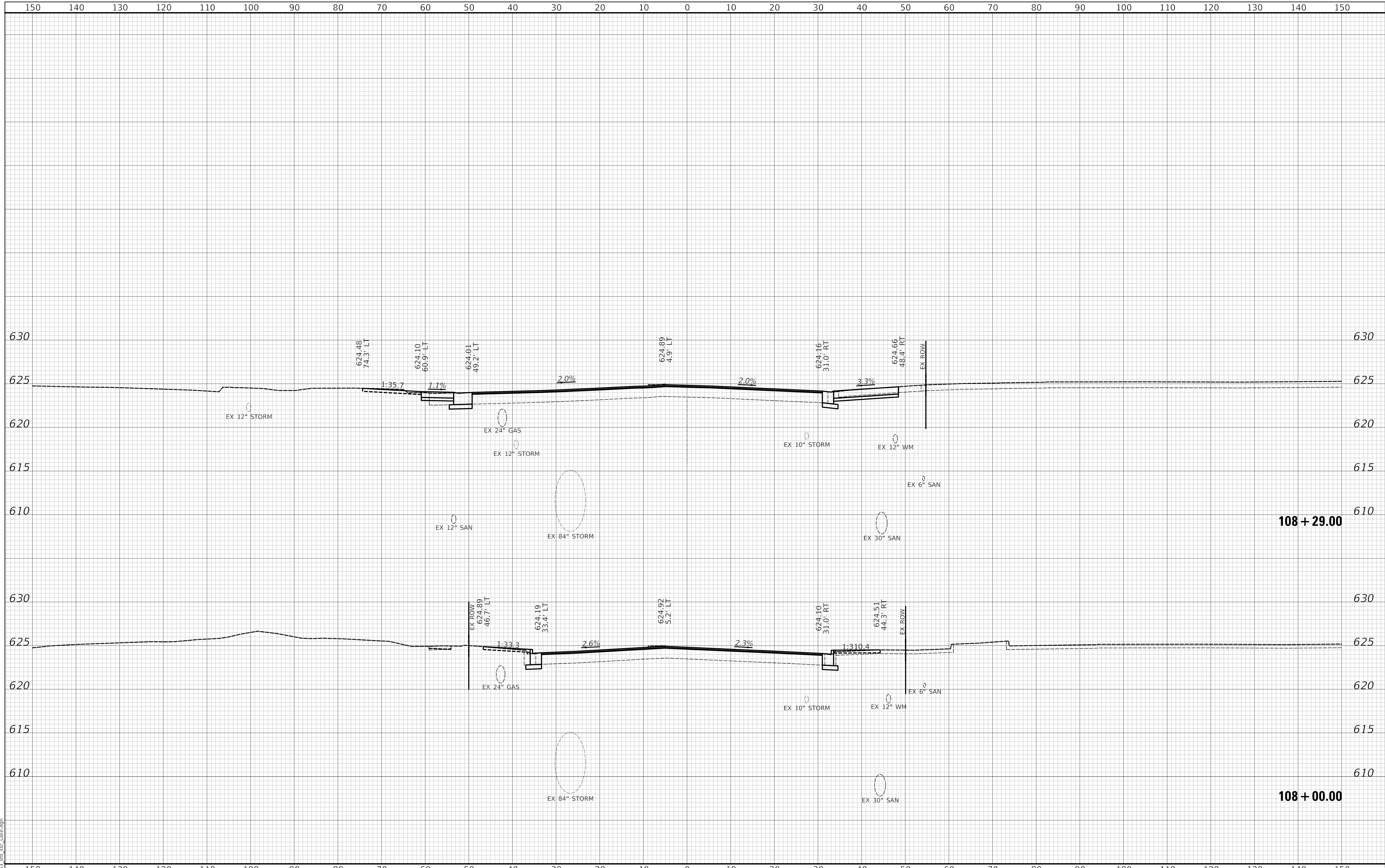
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 9 OF 15 SHEETS STA 107+00.00 TO STA 107+50.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	93
				CONTRACT NO 61116
		ILLINOIS	FED AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHPKD	
	NO.	



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DATE -	11/28/2022	REVISED -	

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DEPARTMENT OF TRANSPORTATION**

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HORIZ	0	10	20

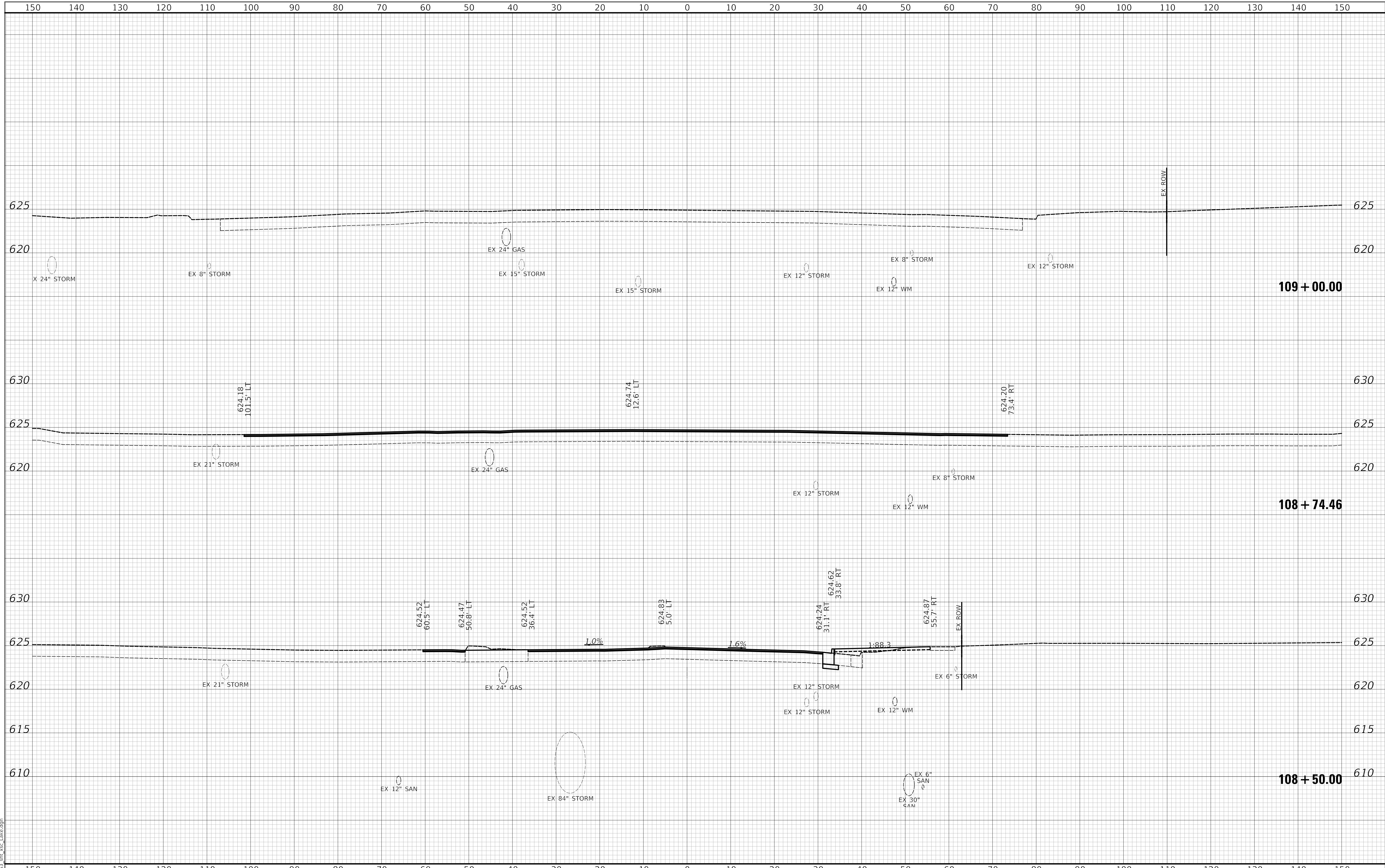
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 10 OF 15 SHEETS STA 108+00.00 TO STA 108+29.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	94
				CONTRACT NO 61J16
				ILLINOIS FED AID PROJECT

PLAN	SURVEYED	DATE
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	GRADE CHECKED	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
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HORIZ	0	10	20

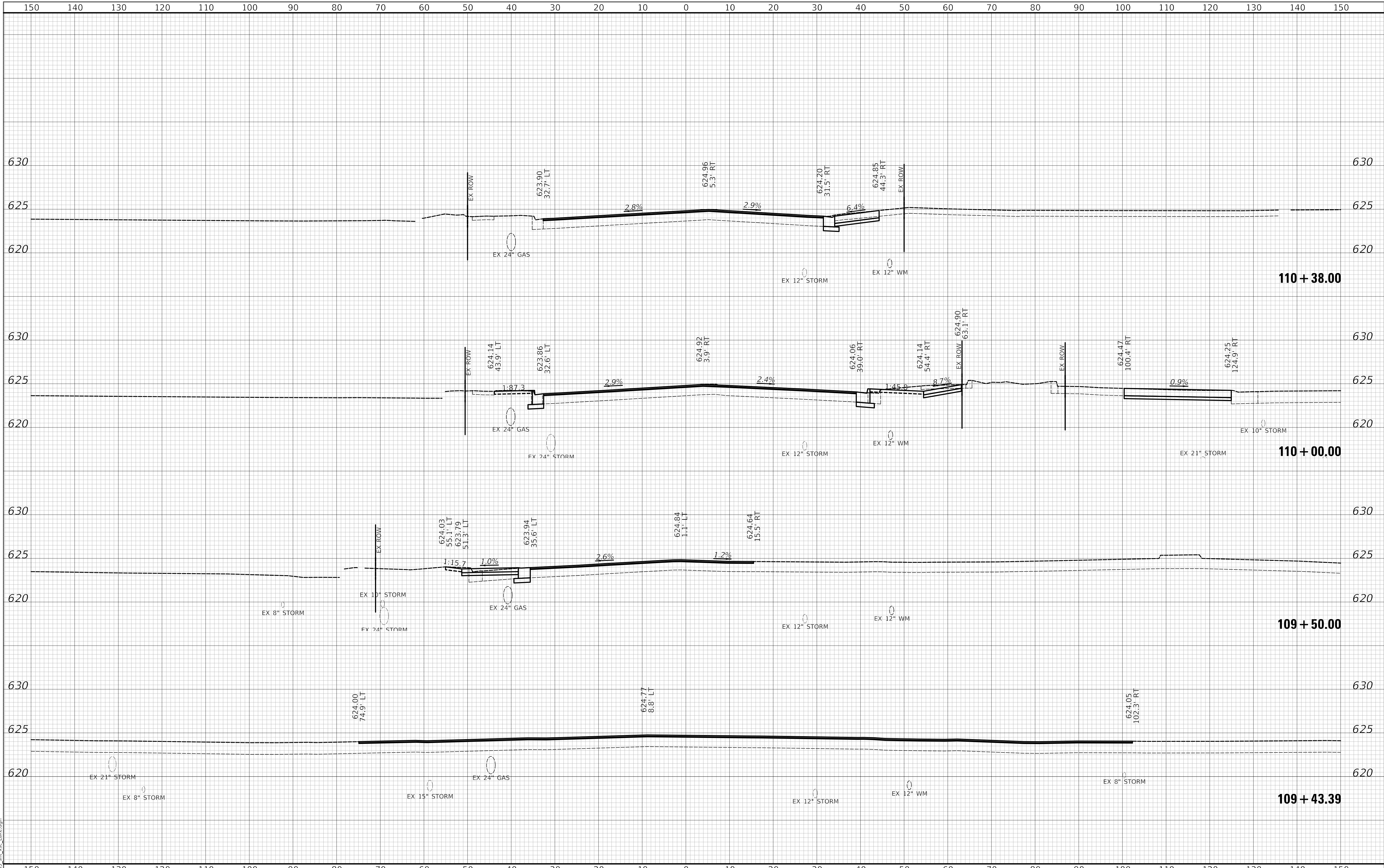
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 11 OF 15 SHEETS STA 108+50.00 TO STA 109+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	95
				CONTRACT NO 61116
				ILLINOIS FED AID PROJECT

PLAN	SURVEYED	BY	DATE
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NOTE BOOK NO.	ALIGNMENT CHECKED		
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PROFILE	SURVEYED	BY	DATE
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NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		



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DATE -	11/28/2022	REVISED -	

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VERT	0	5	10
HORIZ	0	10	20

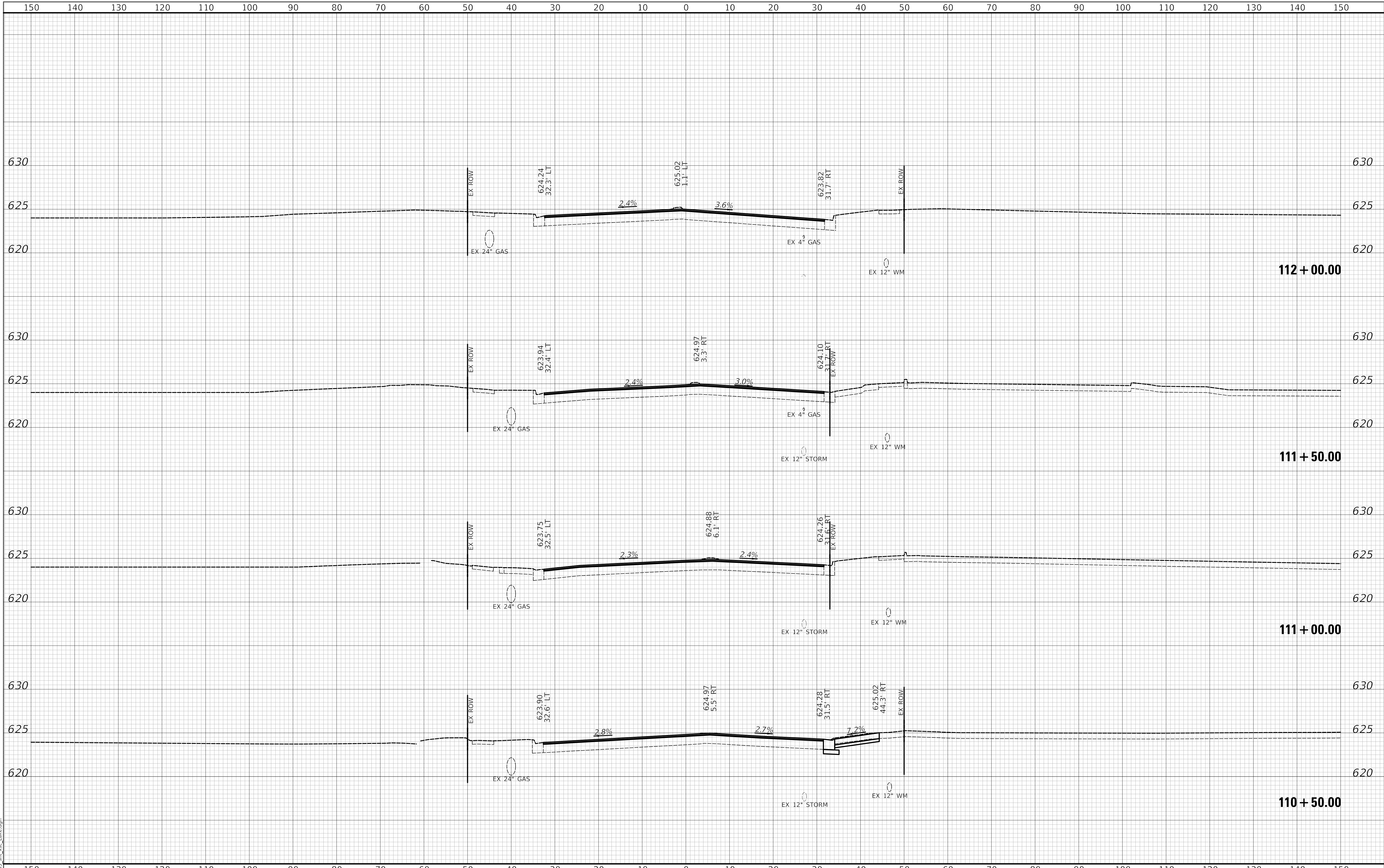
**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 12 OF 15 SHEETS STA 109+43.39 TO STA 110+38.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	96
CONTRACT NO 61J16			ILLINOIS FED AID PROJECT	

PLAN	SURVEYED	BY	DATE
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NOTE BOOK NO.	ALIGNMENT CHECKED		
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PROFILE	SURVEYED	BY	DATE
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NOTE BOOK NO.	GRADES CHECKED		
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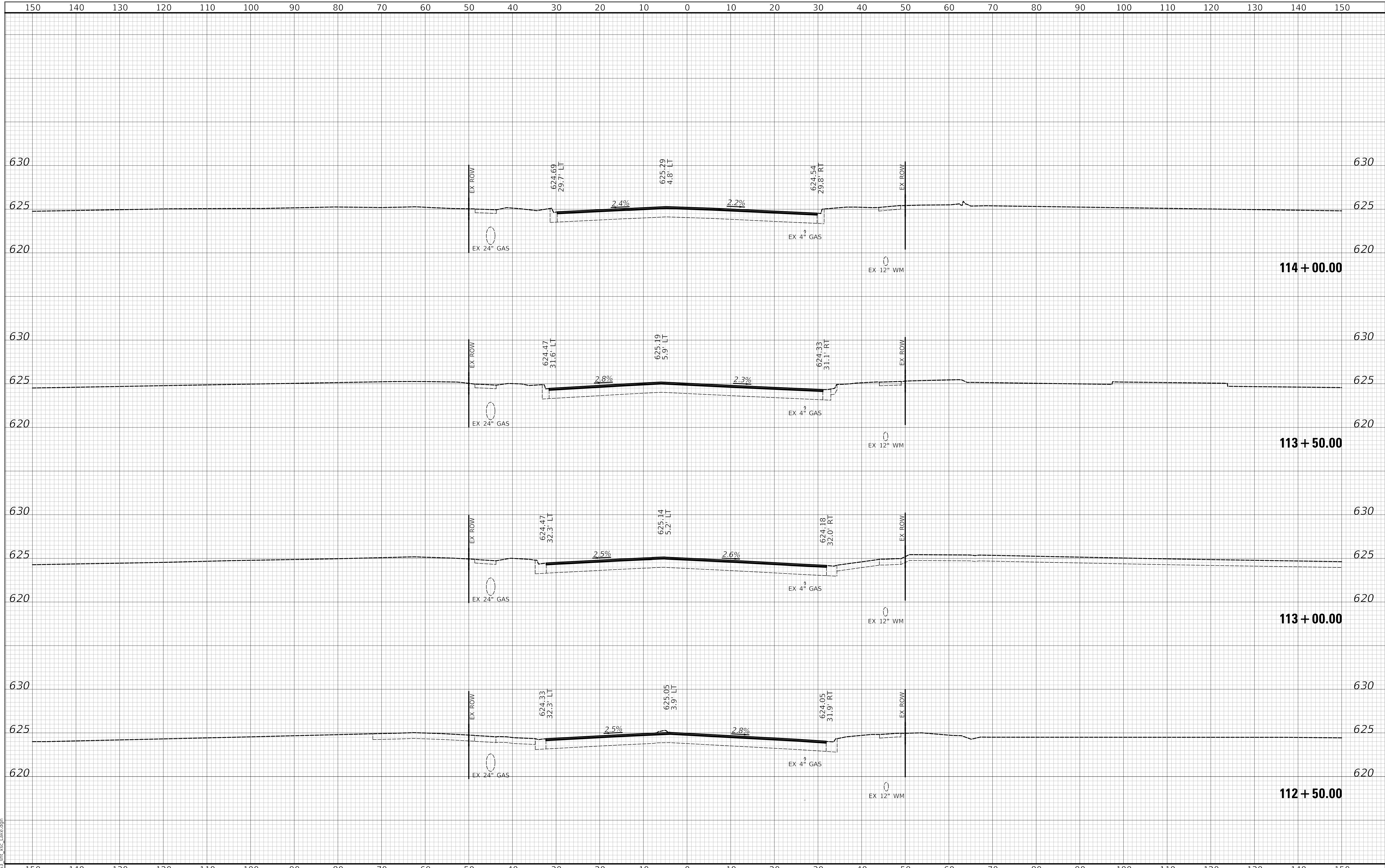


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	Two Pierce Place, Suite 1400 Itasca, Illinois 60143 Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com	DESIGNED - IMG	REVISED - 12/23/2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VERT 0 5 10 HORIZ 0 10 20 SCALES	US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE CROSS SECTIONS - LAKE AVENUE			FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
		350/1292	19-00203-02-CH						COOK	99	97		
CONTRACT NO 61J16													
ILLINOIS FED AID PROJECT													

PLAN	SURVEYED	BY	DATE
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NOTE BOOK NO.	ALIGNMENT CHECKED		
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PROFILE	SURVEYED	BY	DATE
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NOTE BOOK NO.	GRADES CHECKED		
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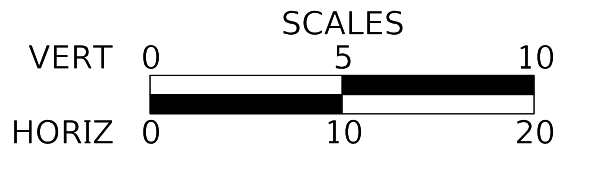
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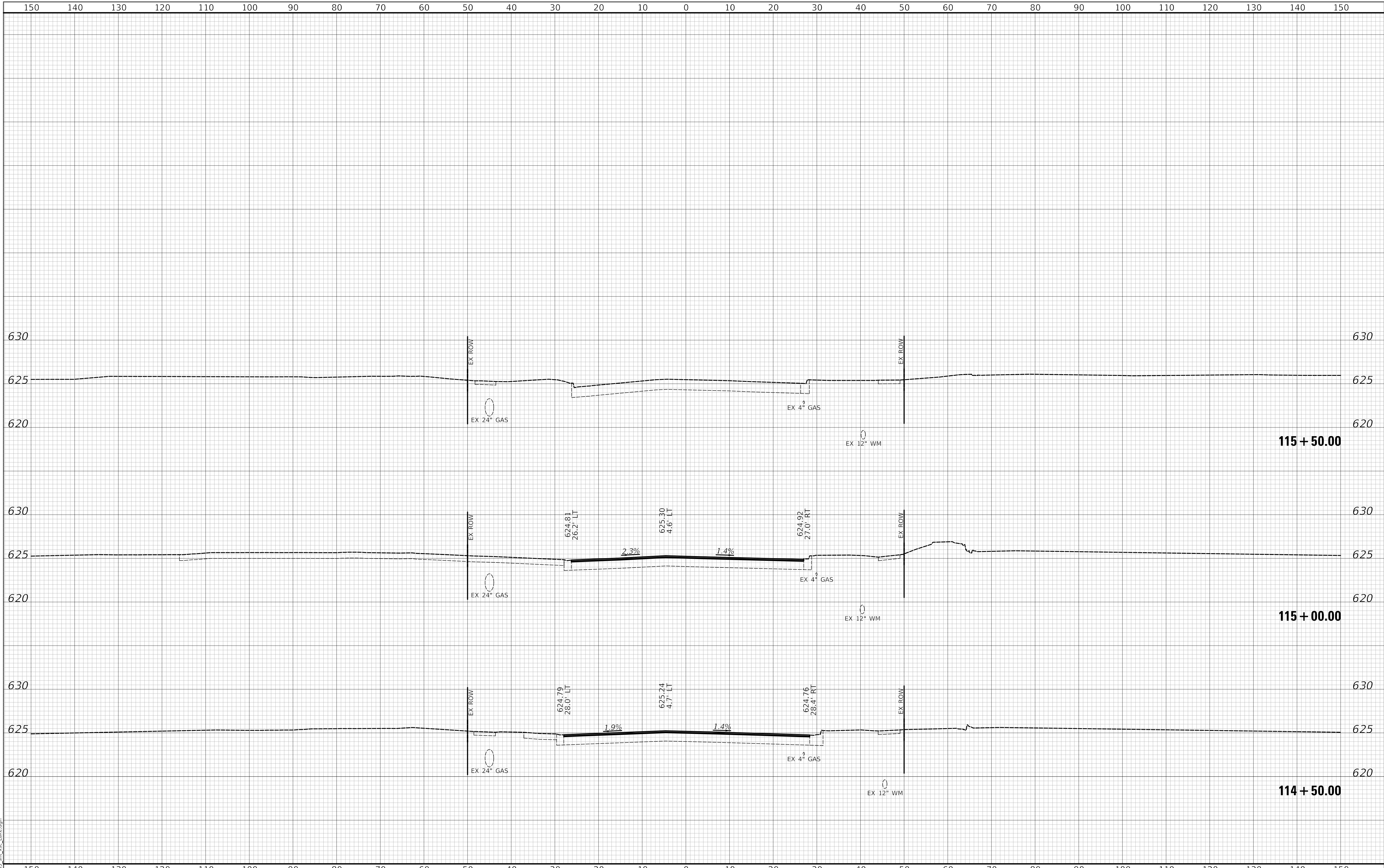
US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE

SHEET 14 OF 15 SHEETS STA 112+50.00 TO STA 114+00.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	98
CONTRACT NO 61J16				
ILLINOIS FED AID PROJECT				

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
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	STRUCTURE NOTATION CHPKD	



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HORIZ	0	10	20

**US RTE 41 (SKOKIE ROAD) AND LAKE AVENUE
CROSS SECTIONS - LAKE AVENUE**

SHEET 15 OF 15 SHEETS STA 114+50.00 TO STA 116+50.00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
350/1292	19-00203-02-CH	COOK	99	99
				CONTRACT NO 61J16
				ILLINOIS FED AID PROJECT