

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	1
ILLINOIS			CONTRACT NO. 62P93	

D-91-071-22



LOCATION OF SECTION INDICATED THUS: -

FOR INDEX OF SHEETS, SEE SHEET NO. 2

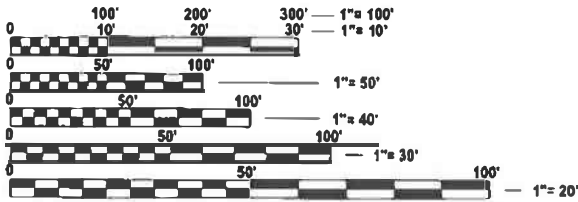
THE IMPROVEMENT IS LOCATED IN THE VILLAGES
OF NORRIDGE, PARK RIDGE, RIVER GROVE AND
ELMWOOD PARK

TRAFFIC DATA:

FOR TRAFFIC DATA
SEE SHEETS 8-9

PROJECT LOCATION:

FOR LOCATION MAPS
SEE SHEETS 8-9



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

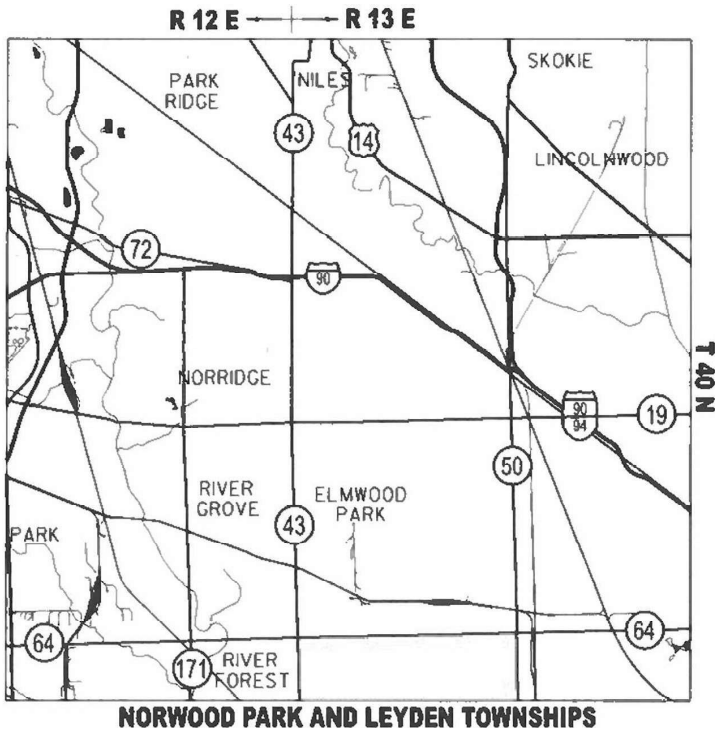
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62P93

VARIOUS ROUTES
VARIOUS LOCATIONS (NORWOOD PARK AND LEYDEN TOWNSHIPS)
SECTION: 2021-172-SW
ADA IMPROVEMENTS
COOK COUNTY

C-91-065-22



GROSS AND NET LENGTH OF IMPROVEMENT - N/A (SPOT IMPROVEMENT)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 26, 2025
Fawad Aqueel REGIONAL ENGINEER
October 3, 2025
Seema E. Etkin ENGINEER OF DESIGN AND ENVIRONMENT
October 3, 2025
James J. Murphy DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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STATE STANDARDS:

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK RAMPS FOR SIDEWALKS
424031-03	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS, TYPE 1
604086-05	FRAME AND GRATE, TYPE 23
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATION 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS LESS THAN OR EQUAL TO 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE 1W OR 2W WITH NON-TRANSVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BI-DIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS FOR RAISED REFLECTIVE PAVEMENT MARKERS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNITERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
877001-08	STEEL MAST ARM ASSEMBLY POLE 16' THRU 55'
878001-11	CONCRETE FOUNDATION DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES:

- 1) BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED),
- 2) TEN (10) FOOT TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- 3) THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND THE VILLAGES OF NORRIDGE, PARK RIDGE, ELMWOOD PARK, RIVER GROVE.
- 4) THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 5) ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- 6) ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 7) ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 8) LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 9) DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 10) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 11) FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENT SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT IN PART OF THIS CONTRACT.
- 12) BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 13) WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/ h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/ h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING MACHINE IS SLOPED A MINIMUM (1:3).
- 14) THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR FOR ARTERIALS AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 15) PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL. (TC-24)
- 16) THE RESIDENT ENGINEER SHALL CONTACT ABDULLA ALI, AREA TRAFFIC FIELD ENGINEER, AT ABDULLA.ALI@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 17) THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- 18) THE CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST TWO WEEKS PRIOR TO BEGINNING LANDSCAPE AND FORESTRY WORK FOR LAYOUT.
- 19) ALL MILLED SURFACES SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- 20) THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 21) MAINLINE AND SIDE ROAD, "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMIAN INSTALLED AT LOCATIONS WHERE ROADWAY HAZARDS WITHIN THE WORK ZONE WILL REMAIN OVERNIGHT.

MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
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THE MIX BELOW IS FOR APPLICATION OF A 2 FOOT WIDE HMA STRIP IN FRONT OF THE PROPOSED ADA CURB RAMP FOR THE FOLLOWING: (A) SLOPE CORRECTIONS PER PLAN, (B) SLOPE CORRECTIONS AS DETERMINED IN THE FIELD, (C) AND / OR PAVEMENT SURFACE RESTORATION OF DAMAGED PAVEMENT SURFACE DURING CONSTRUCTION IN COORDINATION WITH AND UNDER THE DIRECTION OF THE RESIDENT ENGINEER.

PAVEMENT RESURFACING (SMART OVERLAY)

HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', IL-9.5, N70, 2"	4% @ 70 GYR.	QC / QA
QMP DESIGNATION: QUALITY CONTROL FOR PERFORMANCE (QCP); QUALITY CONTROL / QUALITY ASSURANCE (QC / QA); PAY FOR PERFORMANCE (PFP)		

NOTES:

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE QUANTITIES IS 112 LBS./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 MATERIAL SPECIFICATIONS.

FILE NAME = pwi:///ildot-pw.bentley.comPWI00T/Documents/IDOT Offices/District 1/ORD Projects/P126350/Drawings/Leyden/Design/Leyden-DesignScratch.dgn	USER NAME = Phillip.Steed	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES NORWOOD PARK & LEYDEN TOWNSHIPS - ADA IMPROVEMENTS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.000 ' / in.	CHECKED -	REVISED -				VAR.	2021-172-SW	COOK	110	2
	PLOT DATE = 9/3/2025	DATE -	REVISED -				CONTRACT NO.: 62P93				
							SCALE:	SHEET	OF	SHEETS	STA.

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE							
CODE NO	ITEM	UNIT	100% STATE ROADWAY 0005		TRAFFIC SIGNALS					CODE NO	ITEM	UNIT	100% STATE ROADWAY 0005	TRAFFIC SIGNALS									
					100% STATE APS 0021	96.7% STATE 3.3% VILLAGE LAWRENCE AVE. & PROSPECT AVE. 0021	90% STATE 10% VILLAGE LAWRENCE AVE. & CANFIELD AVE. 0021	90% STATE 10% VILLAGE LAWRENCE AVE. & OVERHILL AVE. 0021	100% COST TO VILLAGE OF NORRIDGE EVP 0021					100% STATE APS 0021		96.7% STATE 3.3% VILLAGE LAWRENCE AVE. & PROSPECT AVE. 0021	90% STATE 10% VILLAGE LAWRENCE AVE. & CANFIELD AVE. 0021	90% STATE 10% VILLAGE LAWRENCE AVE. & OVERHILL AVE. 0021	100% COST TO VILLAGE OF NORRIDGE EVP 0021				
20200100	EARTH EXCAVATION	CU YD	220	220						44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	6	6									
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	699	699						44000600	SIDEWALK REMOVAL	SQ FT	14610	14610									
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9						60250200	CATCH BASINS TO BE ADJUSTED	EACH	7	7									
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9	9						60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	5	5									
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9						60255500	MANHOLES TO BE ADJUSTED	EACH	15	15									
25200110	SODDING, SALT TOLERANT	SQ YD	699	699						60257900	MANHOLES TO BE RECONSTRUCTED	EACH	3	3									
25200200	SUPPLEMENTAL WATERING	UNIT	15	15						60260100	INLETS TO BE ADJUSTED	EACH	6	6									
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	518	518						60266600	VALVE BOXES TO BE ADJUSTED	EACH	8	8									
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5,	TON	86	86						60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	7		7								
	MIX "D", N70																						
										60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	39	39									
42001300	PROTECTIVE COAT	SQ YD	2126	2126																			
										60300405	VALVE BOX FRAMES TO BE ADJUSTED	EACH	8	8									
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY	SQ YD	6	6																			
	PAVEMENT, 8 INCH									60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	10	10									
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5	SQ FT	14610	14610						60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5									
	INCH																						
										★ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	220	220									
42400800	DETECTABLE WARNINGS	SQ FT	1184	1184																			
										★ 66900530	SOIL DISPOSAL ANALYSIS	EACH	15	15									
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	767	767																			
FILE NAME =				USER NAME = Phillip.Steed		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES NORWOOD PARK & LEYDEN TOWNSHIPS - ADA IMPROVEMENTS				F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
pww:/11dd-pw.bentley.com/PWIDOT/Documents/1/DOT				PROJECT = PI26315/CADData/Leyden/Design/		CHECKED -		REVISED -						VAR.	2021-172-SW		COOK		134	3			
				PLOT SCALE = 40,000 ' / 1 in.		DATE -		REVISED -														CONTRACT NO.: 62P93	
				PLOT DATE = 9/2/2025										SCALE:				SHEET	OF	SHEETS	STA.	TO STA.	

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	100% STATE ROADWAY 0005		TRAFFIC SIGNALS					
					100% STATE APS 0021	96.7% STATE 3.3% VILLAGE LAWRENCE AVE. & PROSPECT AVE. 0021	90% STATE 10% VILLAGE LAWRENCE AVE. & CANFIELD AVE. 0021	90% STATE 10% VILLAGE LAWRENCE AVE. & OVERHILL AVE. 0021	100% COST TO VILLAGE OF NORRIDGE EVP 0021	
★66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION	L SUM	1	1						
	REPORT									
★66901006	REGULATED SUBSTANCES MONITORING	CAL DA	30	30						
70102620	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1						
	STANDARD 701501									
70102630	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1						
	STANDARD 701601									
70102632	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1						
	STANDARD 701602									
70102635	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1						
	STANDARD 701701									
70102640	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1						
	STANDARD 701801									
★72000100	SIGN PANEL - TYPE 1	SQ FT	110.75	11		27.75	36	36		
★72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	118	118						
★72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	10	10						
★78000400	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	3805	3805						
	6"									
★78000600	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	1164	1164						
	12"									

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★78000650	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	1643	1643						
	24"									
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	7894	7894						
★81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	5421		★ ★ 3689	470	507	755		
	2" DIA.									
★81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	319			98	142	79		
	3" DIA.									
★81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL,	FOOT	804			167	348	289		
	4" DIA.									
★81400100	HANDHOLE	EACH	24		★ ★ 6	5	6	7		
★81400200	HEAVY-DUTY HANDHOLE	EACH	4				2	2		
★81400300	DOUBLE HANDHOLE	EACH	5			1	2	2		
★87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO.	FOOT	3372		★ ★ 3372					
	14 1C									
★87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	2796.5			636.5	1168	992		
	14 2C									
★87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	3610			867	1488	1255		
	14 3C									
★87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	5897			1580	2310.5	2006.5		
	14 5C									

FILE NAME =		USER NAME = PHillp.Steed		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES NORWOOD PARK & LEYDEN TOWNSHIPS - ADA IMPROVEMENTS				F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
pww:/11dd-pw-bentley.com/PWIDOT/ Documents/1/DOT Off		ices/Distr1/d 1/ORD Projects/PI26315/CADData/Leyden/Design/Drawn-DesignScratch.dgn		CHECKED -		REVISED -										VAR.	2021-172-SW		COOK	147	4
PLOT SCALE = #SCALE#		DATE -		REVISED -		CONTRACT NO.: 62P93															
PLOT DATE = 4/3/2025						ILLINOIS FED. AID PROJECT															

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★87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	3610			867	1488	1255		★87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34	EACH	1			1							
	14 3C										FT.												
★87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	5897			1580	2310.5	2006.5		★87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38	EACH	2					2					
	14 5C										FT.												
★87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1264				681	583		★87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40	EACH	2				2						
	14 7C										FT.												
★87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.	FOOT	4808.5			1223	1705	1880.5		★87800100	CONCRETE FOUNDATION, TYPE A	FOOT	48			12	20	16					
	14 1 PAIR																						
										★87800150	CONCRETE FOUNDATION, TYPE C	FOOT	12			4	4	4					
★87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO.	FOOT	276			86.5	47.5	142															
	6 2 C									★87800400	CONCRETE FOUNDATION, TYPE E 30-INCH	FOOT	50			30	10	10					
											DIAMETER												
★87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT	FOOT	3587			1064	1307	1216		★87800415	CONCRETE FOUNDATION, TYPE E 36-INCH	FOOT	70				37	33					
	GROUNDING CONDUCTOR, NO. 6 1C										DIAMETER												
★87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	9			2	4	3		★88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION,	EACH	22			6	8	8					
											MAST-ARM MOUNTED												
★87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24	EACH	1					1		★88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION,	EACH	18			6	6	6					
	FT.										BRACKET MOUNTED												
★87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26	EACH	2			1	1			★88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION,	EACH	4				2	2					
	FT.										BRACKET MOUNTED												
★87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28	EACH	2			2				★88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION,	EACH	4				2	2					
	FT.										MAST-ARM MOUNTED												
★87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30	EACH	1					1															
	FT.																						
FILE NAME =				USER NAME = PHillp.Steed		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES NORWOOD PARK & LEYDEN TOWNSHIPS - ADA IMPROVEMENTS				F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
pww://ltdol-pw.bentley.com/PWIDOT/Documents/IDOT				Offices/District 1/ORD Projects/PI26315/CADDData/Leyden/Design/Drawn-DesignScratch.dgn		REVISED -		VAR.	2021-172-SW									COOK	134	5			
				PLOT SCALE = 40,000 ' / 1 in.		CHECKED -		CONTRACT NO.: 62P93															
				PLOT DATE = 9/2/2025		DATE -		REVISED -										ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	100% STATE ROADWAY 0005		TRAFFIC SIGNALS					
					100% STATE APS 0021	96.7% STATE 3.3% VILLAGE LAWRENCE AVE. & PROSPECT AVE. 0021	90% STATE 10% VILLAGE LAWRENCE AVE. & CANFIELD AVE. 0021	90% STATE 10% VILLAGE LAWRENCE AVE. & OVERHILL AVE. 0021	100% COST TO VILLAGE OF NORRIDGE EVP 0021	
★88500100	INDUCTIVE LOOP DETECTOR	EACH	21			5	8	8		
★88600100	DETECTOR LOOP, TYPE I	FOOT	1398			280	488	630		
★88700200	LIGHT DETECTOR	EACH	6						6	
★88700300	LIGHT DETECTOR AMPLIFIER	EACH	3						3	
★89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9052			1428	4722	2902		
★89502375	REMOVE EXISTING TRAFFIC SIGNAL	EACH	3			1	1	1		
	EQUIPMENT									
★89502380	REMOVE EXISTING HANDHOLE	EACH	15			3	7	5		
★89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2				1	1		
★89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	22			6	9	7		
★X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1						
★X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE	FOOT	691.5						691.5	
	SENSOR CABLE, NO. 20 3/C									
★X0325922	CELLULAR MODEM	EACH	1		★★ 1					
★X1400150	SERVICE INSTALLATION, GROUND MOUNTED,	EACH	3			1	1	1		
	METERED									
★X1400216	LAYER II (DATALINK) SWITCH	EACH	3			1	1	1		
★X1400217	TERMINATE FIBER IN CABINET	EACH	36		★★ 36					

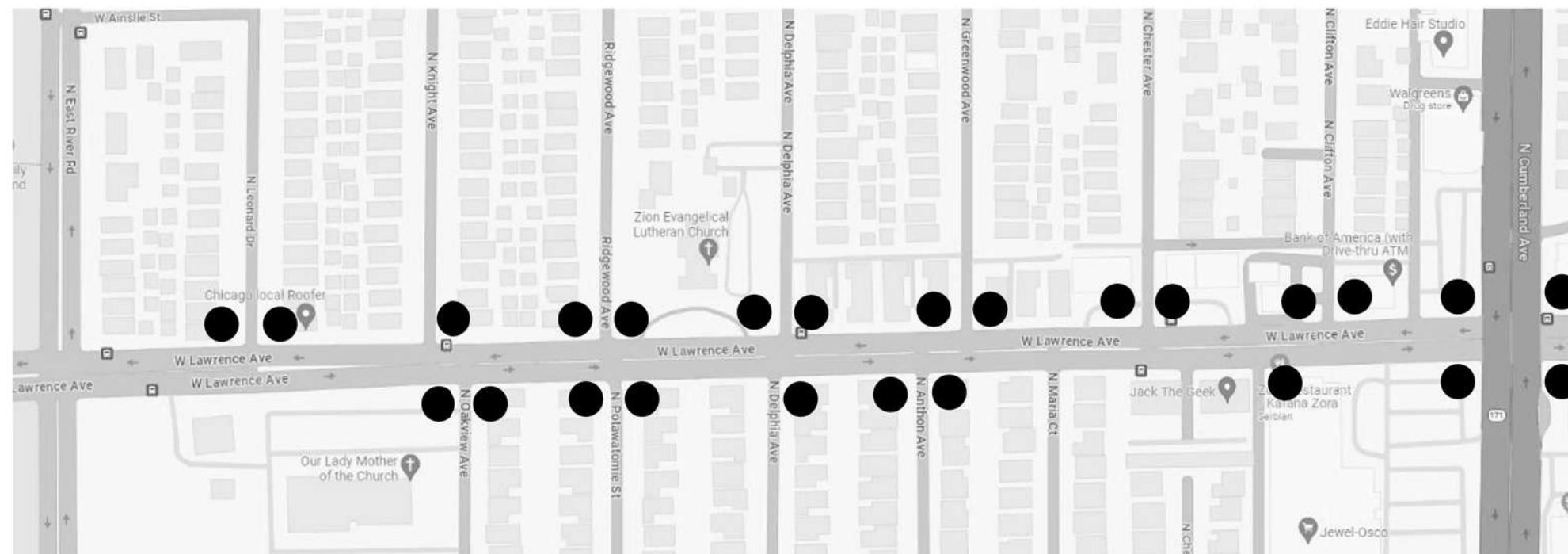
SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	100% STATE ROADWAY 0005		TRAFFIC SIGNALS					
					100% STATE APS 0021	96.7% STATE 3.3% VILLAGE LAWRENCE AVE. & PROSPECT AVE. 0021	90% STATE 10% VILLAGE LAWRENCE AVE. & CANFIELD AVE. 0021	90% STATE 10% VILLAGE LAWRENCE AVE. & OVERHILL AVE. 0021	100% COST TO VILLAGE OF NORRIDGE EVP 0021	
★X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1			1				
★X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4			1	1	2		
★X1400514	TACTICS LICENSE EXPANSION	EACH	3			1	1	1		
★X4400501	COMBINATION CURB AND GUTTER REMOVAL AND	FOOT	225	225						
	REPLACEMENT LESS THAN OR EQUAL TO 10									
	FEET									
★X4400503	COMBINATION CURB AND GUTTER REMOVAL AND	FOOT	3225	3225						
	REPLACEMENT GREATER THAN 10 FEET									
★X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	1020	1020						
★X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12						
★X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	102.8	102.8						
★X8570232	FULL-ACTUATED CONTROLLER AND TYPE SUPER	EACH	3			1	1	1		
	P CABINET									
★X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	3			1	1	1		
★X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE	FOOT	4397	★★ 4397						
	MODE									
★X8710070	FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	3	3						
							★ SPECIALTY ITEMS			
							★★ INTERCONNECT			

FILE NAME =		USER NAME = PHillp.Steed		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES NORWOOD PARK & LEYDEN TOWNSHIPS - ADA IMPROVEMENTS				F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
pww:/11dd-pw.bentley.com/PWIDOT/Documents/1DOT		Offices/District 1/ORD Projects/PI26315/CADData/Leyden/Design/PLAN-Design/Scratch.dgn		CHECKED -		REVISED -						VAR.		2021-172-SW		COOK		147	6		
		PLOT SCALE = #SCALE#		DATE -		REVISED -												CONTRACT NO.: 62P93			
		PLOT DATE = 4/3/2025																ILLINOIS FED. AID PROJECT			

[illegible]



TRAFFIC DATA:
LAWRENCE AVE.
ADT (2022) – 15133
SPEED LIMIT – 35 MPH

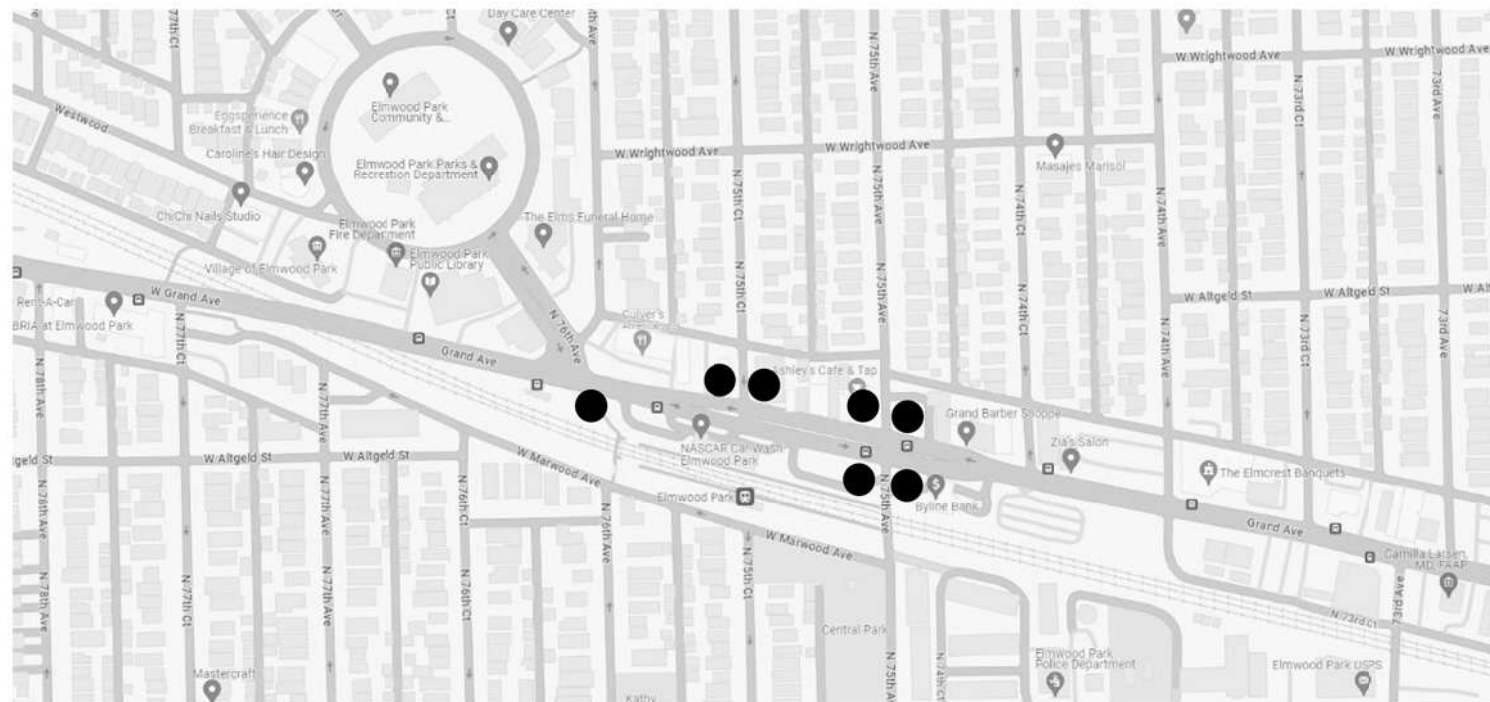


TRAFFIC DATA:
LAWRENCE AVE.
ADT (2022) – 15133
SPEED LIMIT – 35 MPH

[illegible]

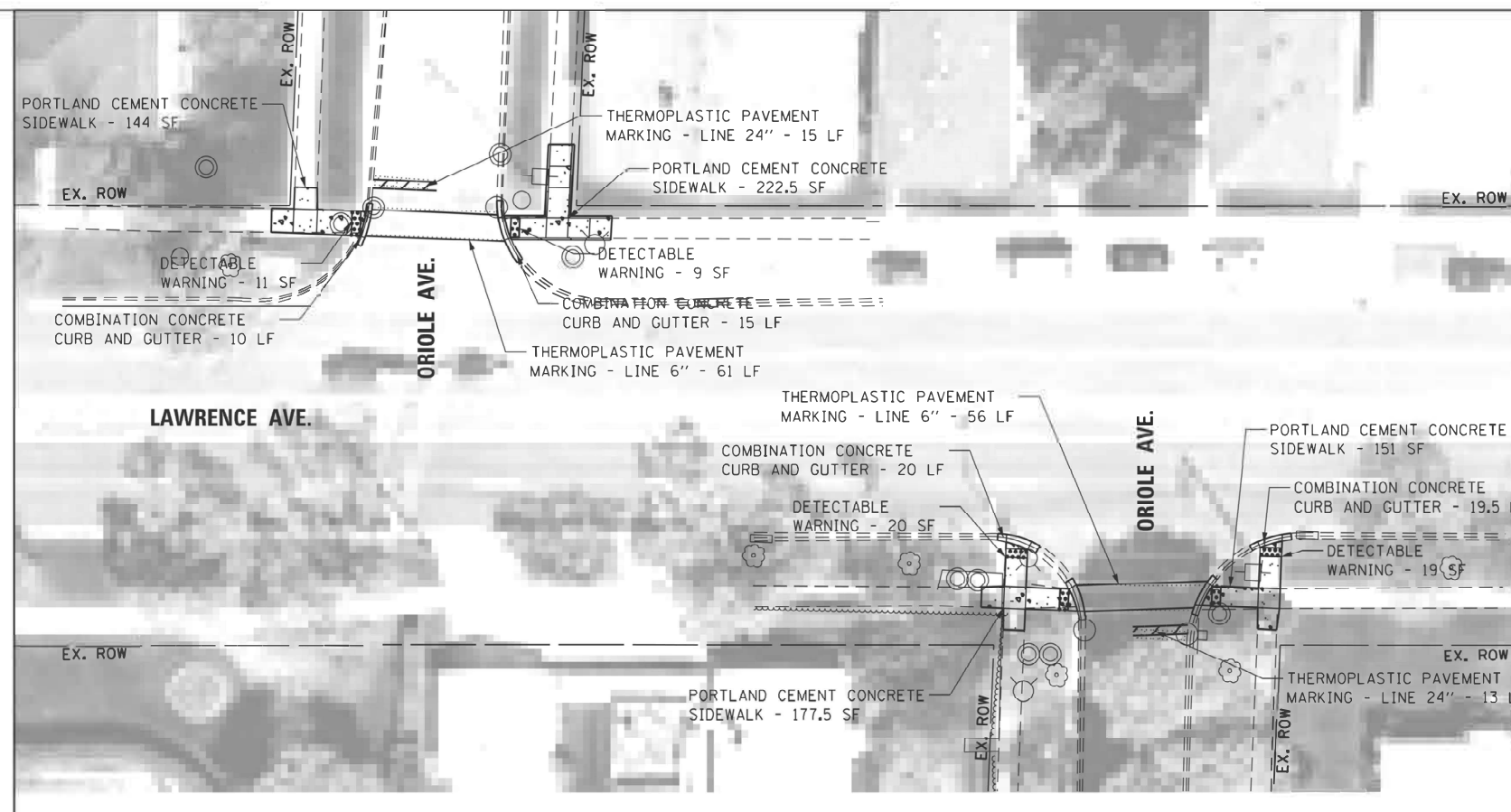
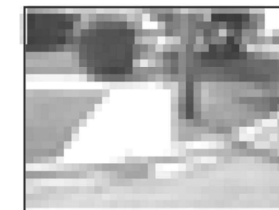
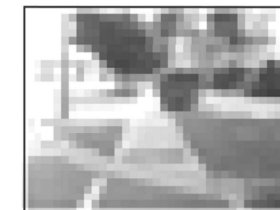
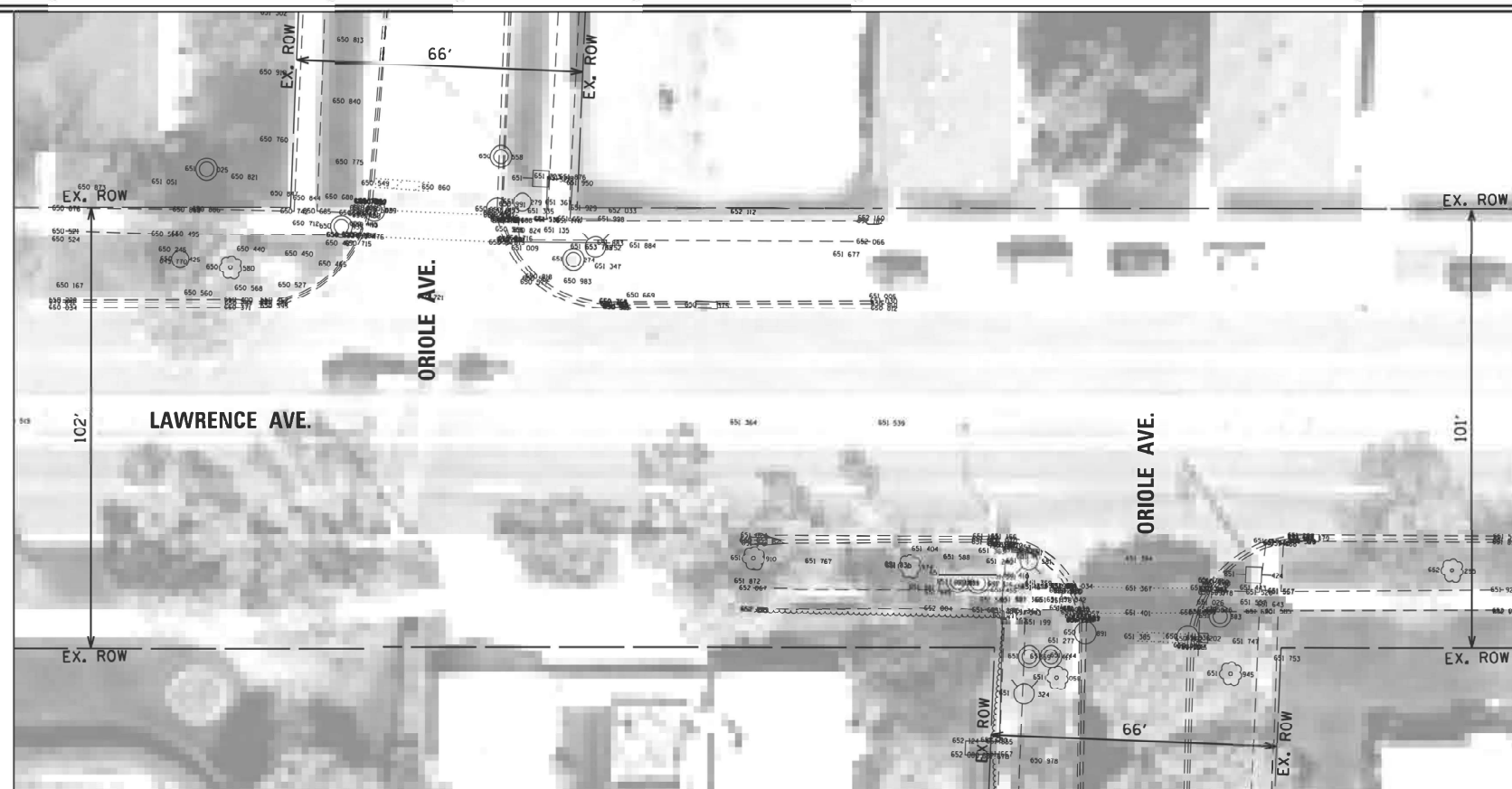


TRAFFIC DATA:
LAWRENCE AVE.
ADT (2022) – 15950
SPEED LIMIT – 35 MPH



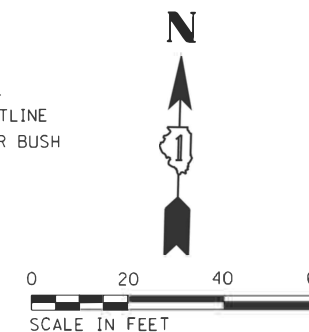
TRAFFIC DATA:
GRAND AVE.
ADT (2022) – 22700
SPEED LIMIT – 30 MPH

FILE NAME =	USER NAME = Phillip.Steed	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP AND TRAFFIC DATA NORWOOD PARK & LEYDEN TOWNSHIPS - ADA IMPROVEMENTS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw://ildot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/District I/ORD Projects/P126350/Drawings/Leyden/Design/Leyden-Design-Schedule.dwg		CHECKED -	REVISED -						VAR.	2021-172-SW	COOK	110	9
	PLOT SCALE = 40.000 ' / in.	DATE = 9/3/2025	REVISED -		CONTRACT NO.: 62P93								
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			

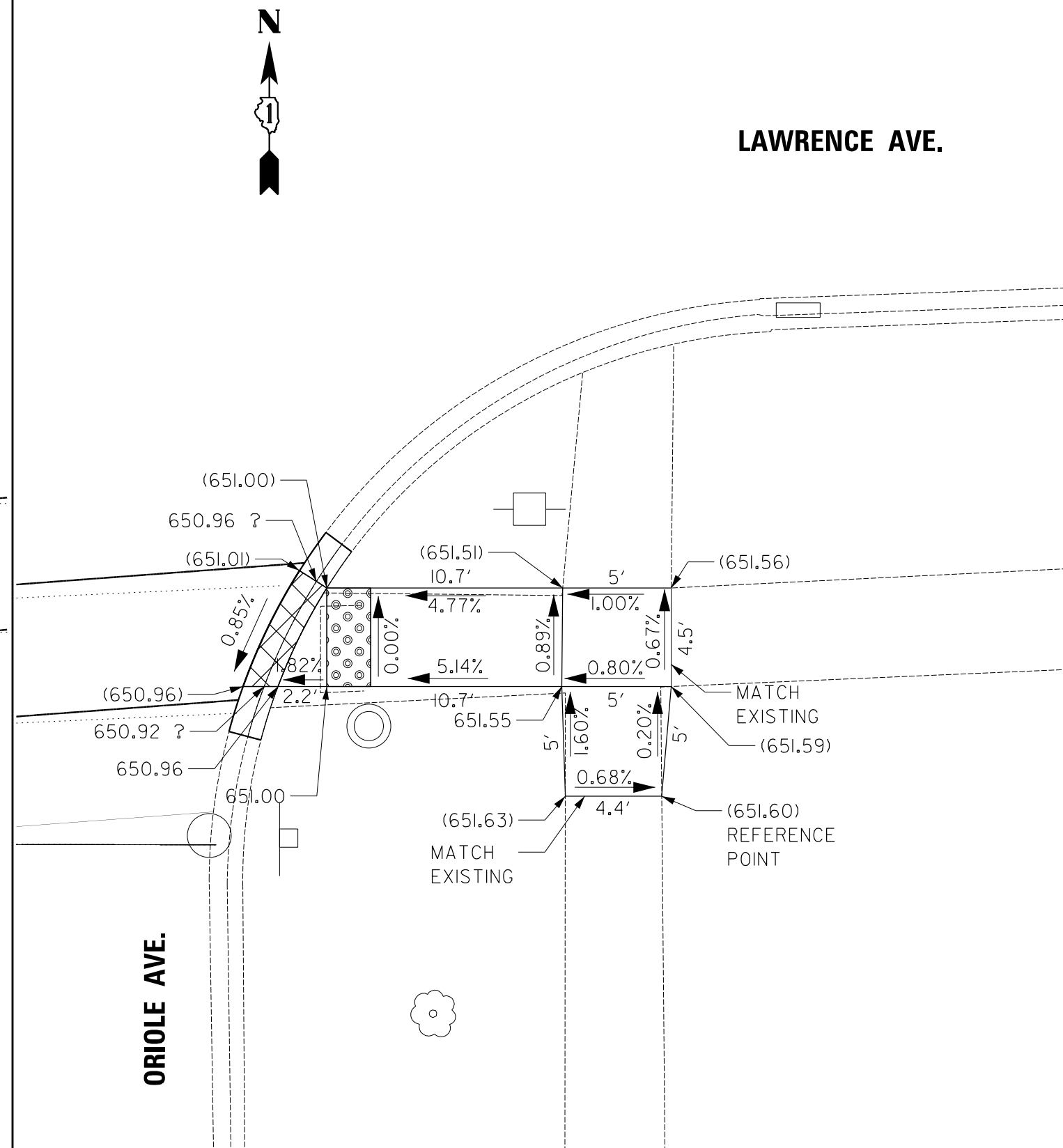
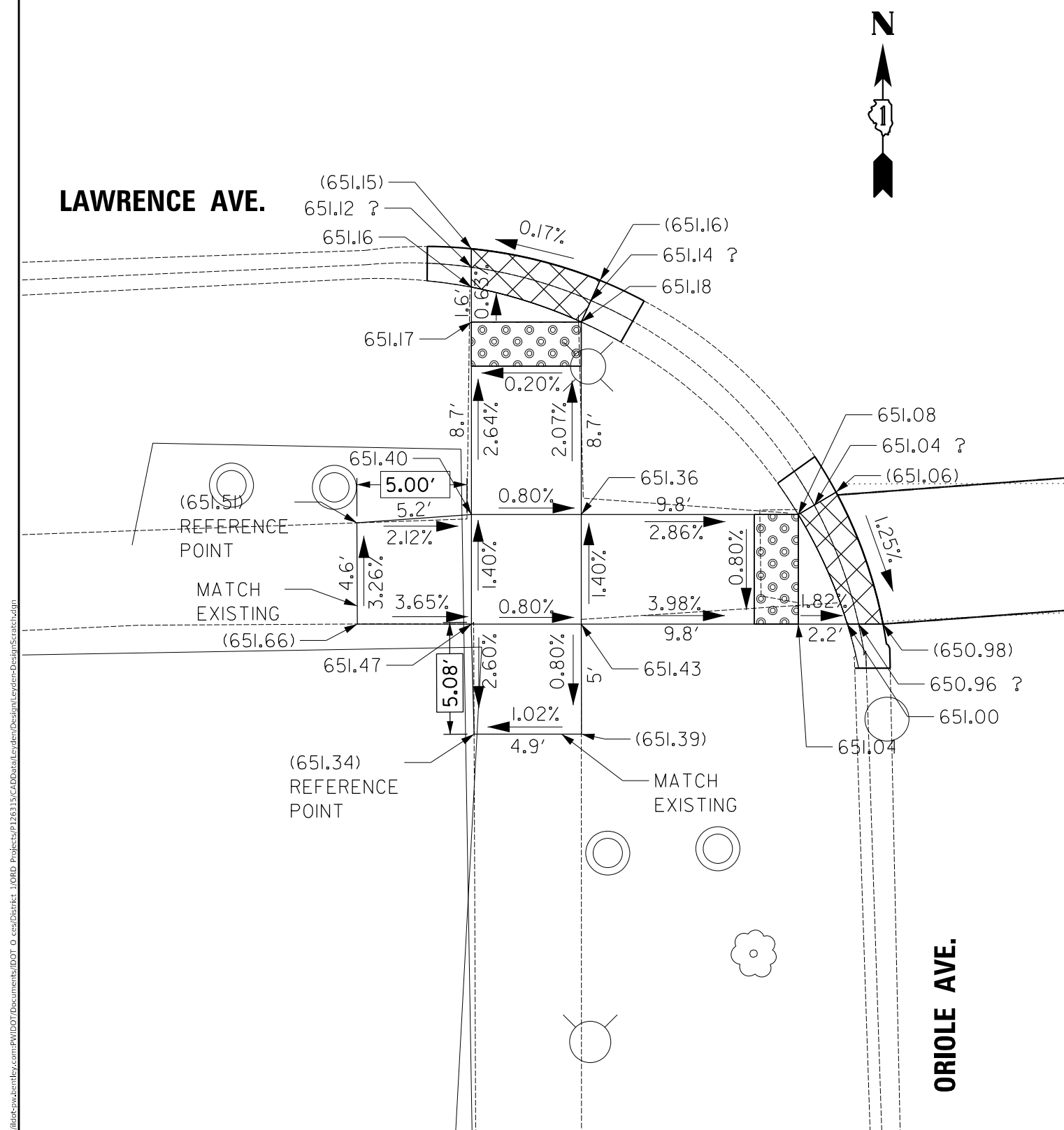


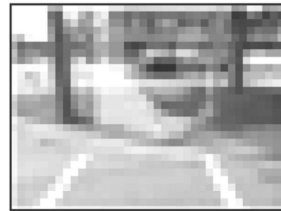
NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

LEGEND	
	DETECTABLE WARNING
	SIDEWALK REMOVAL
	NEW PCC SIDEWALK
	REMOVE AND REPLACE NEW PCC SIDEWALK
	REMOVE AND REPLACE SIDEWALK, (SPECIAL)
	ADA COMPLIANT GRATE
	UTILITY STRUCTURE TO BE ADJUSTED
	UTILITY STRUCTURE TO BE RELOCATED
	COMBINATION CONCRETE CURB AND GUTTER
	EXISTING R.O.W. LINE
	SINGLE POST SIGN
	ABOVE GROUND SPLICE BOX
	CONTROLLER BOX
	FIRE HYDRANT
	GUY POLE
	HANDHOLE
	LIGHT STANDARD
	MANHOLE
	POWER LINE
	TELEPHONE
	TRAFFIC SIGNAL
	VEGETATION OUTLINE
	SINGLE TREE OR BUSH

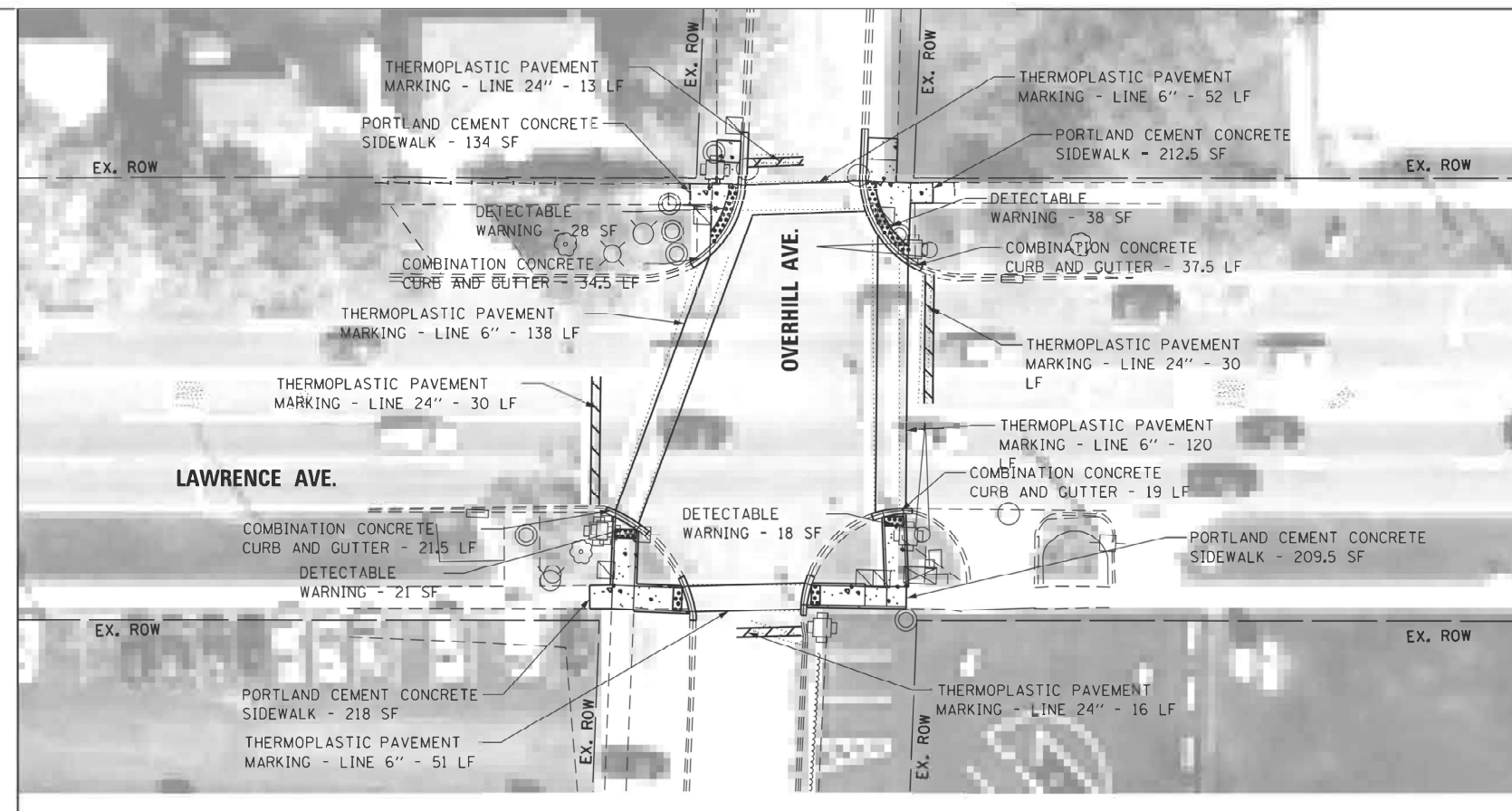


UNLESS OTHERWISE NOTED:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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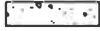


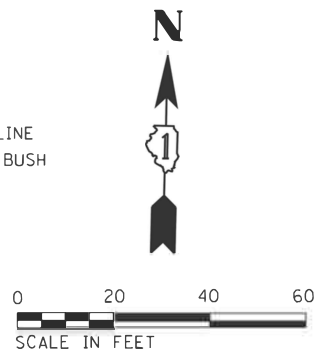


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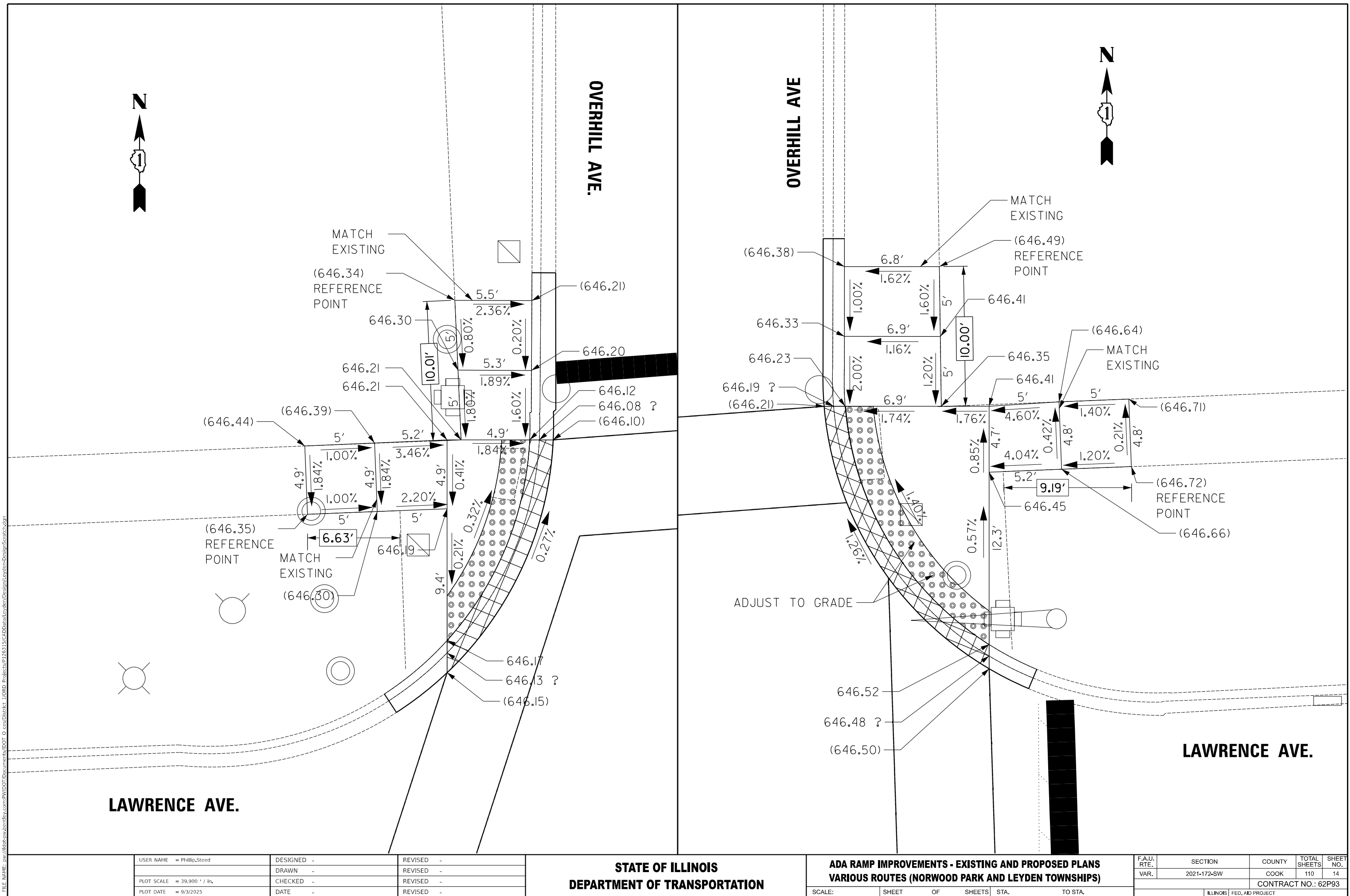
**PROPOSED**

NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

LEGEND	
	DETECTABLE WARNING
	SIDEWALK REMOVAL
	NEW PCC SIDEWALK
	REMOVE AND REPLACE NEW PCC SIDEWALK
	REMOVE AND REPLACE SIDEWALK, (SPECIAL)
	ADA COMPLIANT GRATE
	UTILITY STRUCTURE TO BE ADJUSTED
	UTILITY STRUCTURE TO BE RELOCATED
	COMBINATION CONCRETE CURB AND GUTTER
	EXISTING R.O.W. LINE
	SINGLE POST SIGN
	ABOVE GROUND SPLICE BOX
	CONTROLLER BOX
	FIRE HYDRANT
	GUY POLE
	HANDHOLE
	LIGHT STANDARD
	MANHOLE
	POWER LINE
	POWER LINE
	TELEPHONE
	TELEPHONE
	TRAFFIC SIGNAL
	VEGETATION OUTLINE
	SINGLE TREE OR BUSH
	



FILE NAME =	USER NAME = Phillip.Steed	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw://ildot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/Design/ORD Projects/PR63506000/Leiden/Design/Leiden-DesignScale.dwg	5060000/Leiden/Design/Leiden-DesignScale.dwg	CHECKED -	REVISED -			VAR.	2021-172-SW	COOK	110	13
PLOT SCALE = 85" CAR 8	CHECKED -	REVISED -	CONTRACT NO.: 62P93							
PLOT DATE = 3/30/2025	DATE	REVISED	ILLINOIS FED. AID PROJECT							
		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			





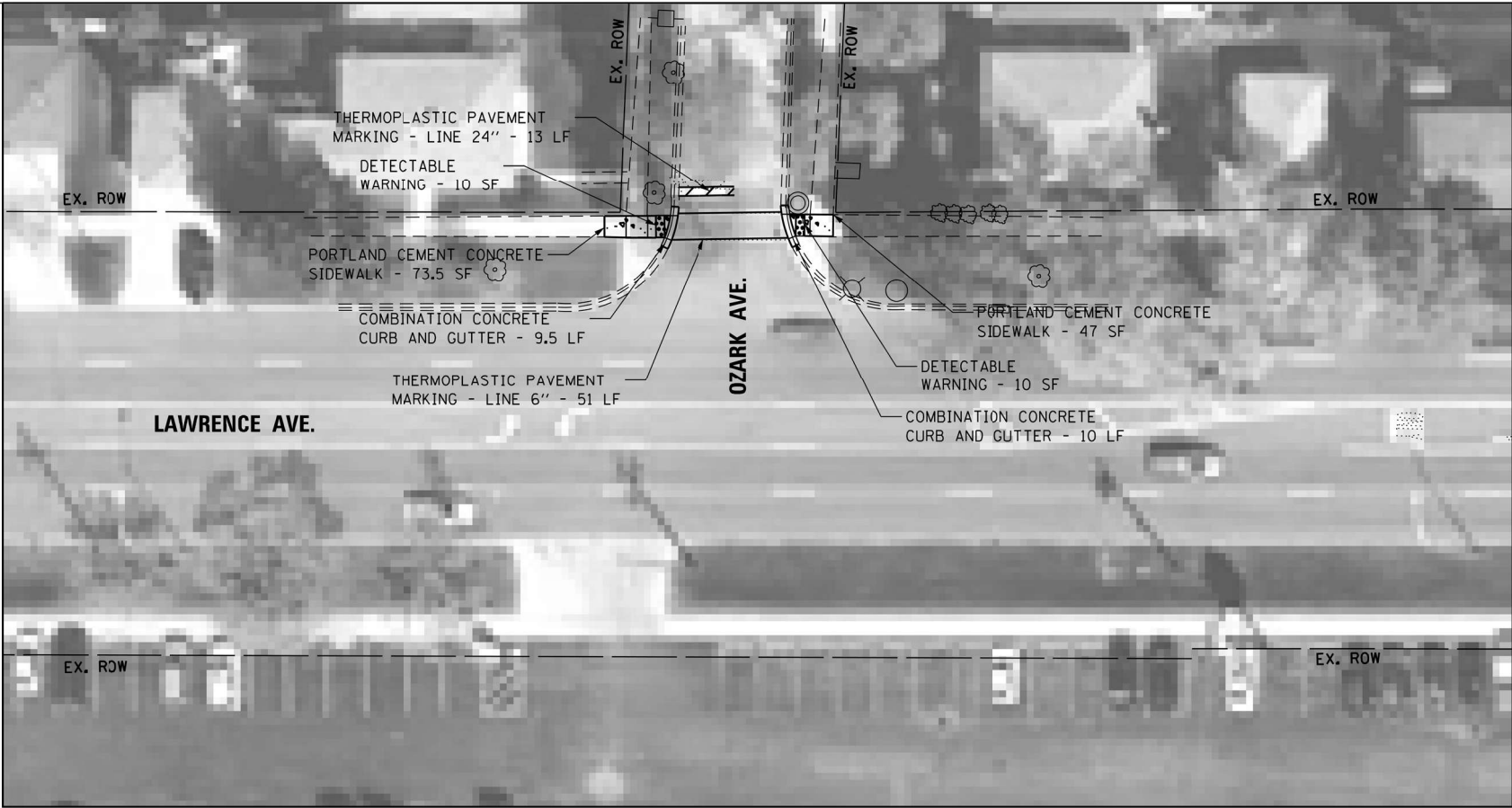
NORTHWEST CORNER



EXISTING



NORTHEAST CORNER



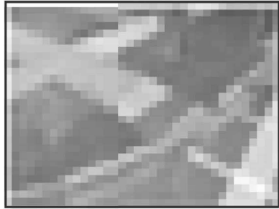
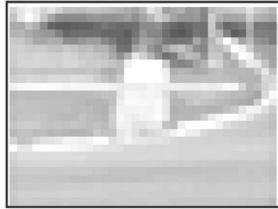
LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- REMOVE AND REPLACE SIDEWALK, (SPECIAL)
- ADA COMPLIANT GRATE
- UTILITY STRUCTURE TO BE ADJUSTED
- UTILITY STRUCTURE TO BE RELOCATED
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
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- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH

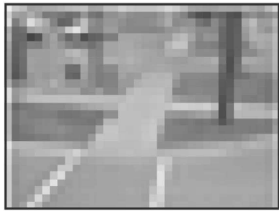
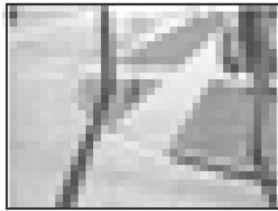


NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

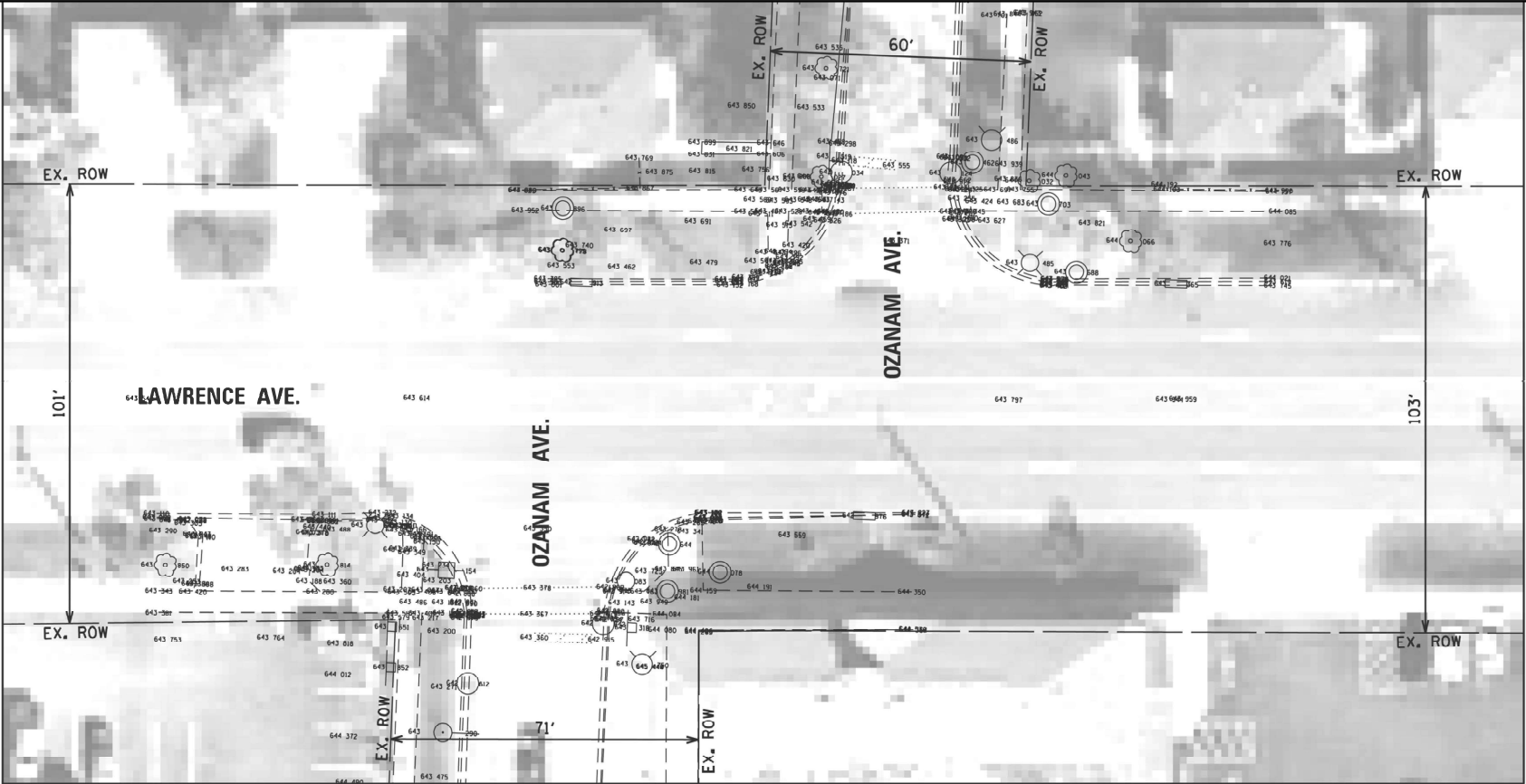
FILE NAME = p:\w\ildot-pw\Bentley.com\PI\DOT\Documents\5020172-SW\LEIDEN\Design\Leiden-DesignScratch.dgn	USER NAME = Philip.Steed	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	SCALE: SHEET OF SHEETS STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.000' / in.	CHECKED -	REVISED -				VAR.	2021-172-SW	COOK	110	16
	PLOT DATE = 9/3/2025	DATE -	REVISED -				CONTRACT NO.: 62P93				
							ILLINOIS FED. AID PROJECT				



NORTHWEST CORNER



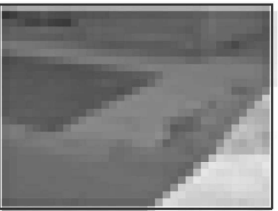
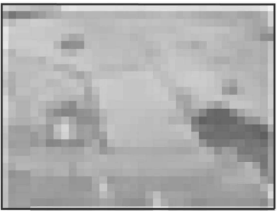
SOUTHWEST CORNER



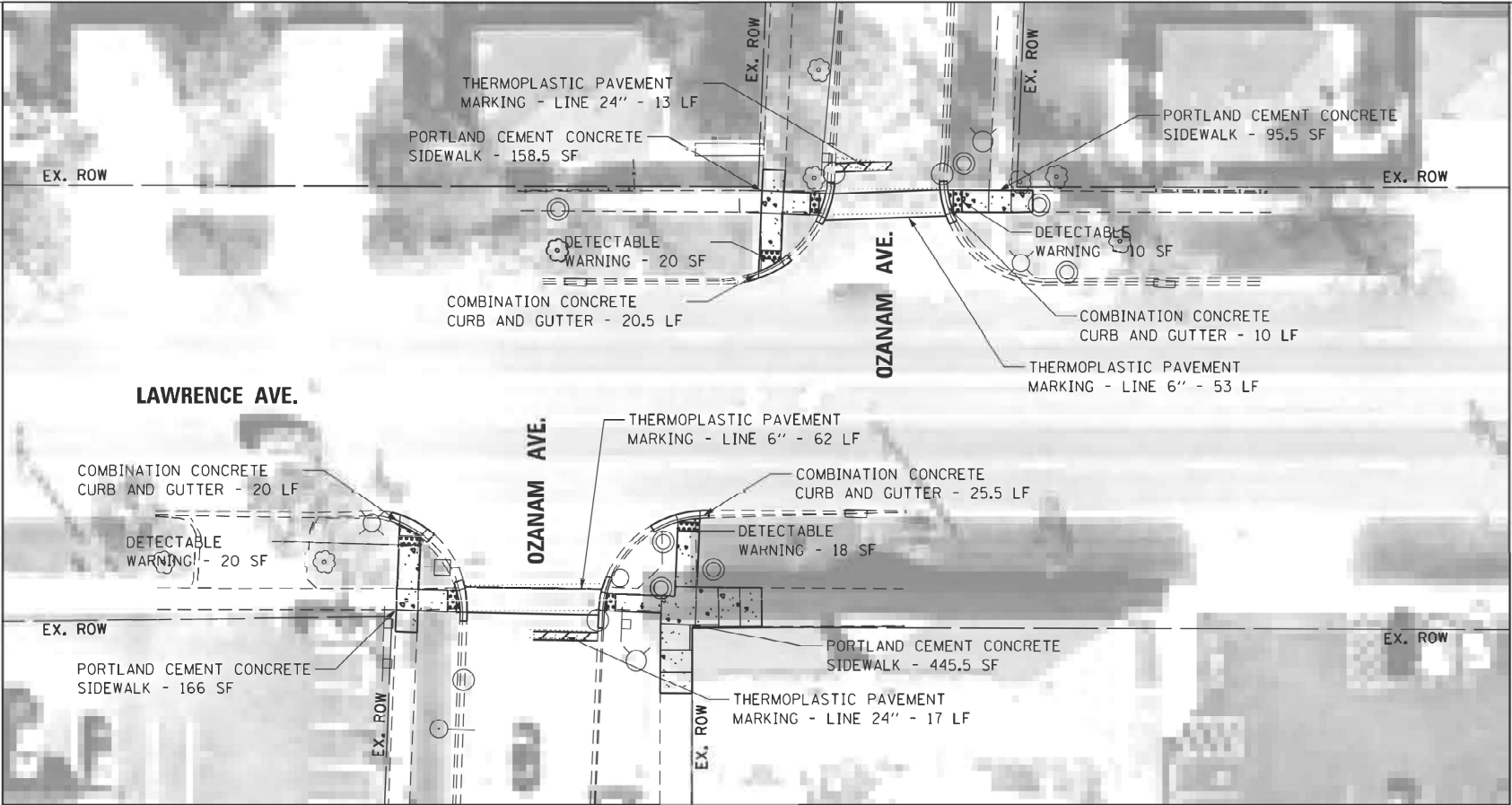
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NORTHEAST CORNER



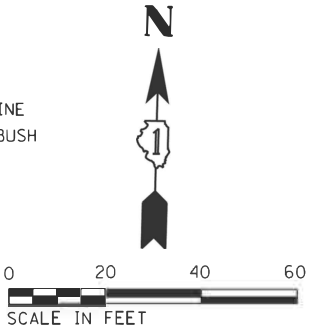
SOUTHEAST CORNER



PROPOSED

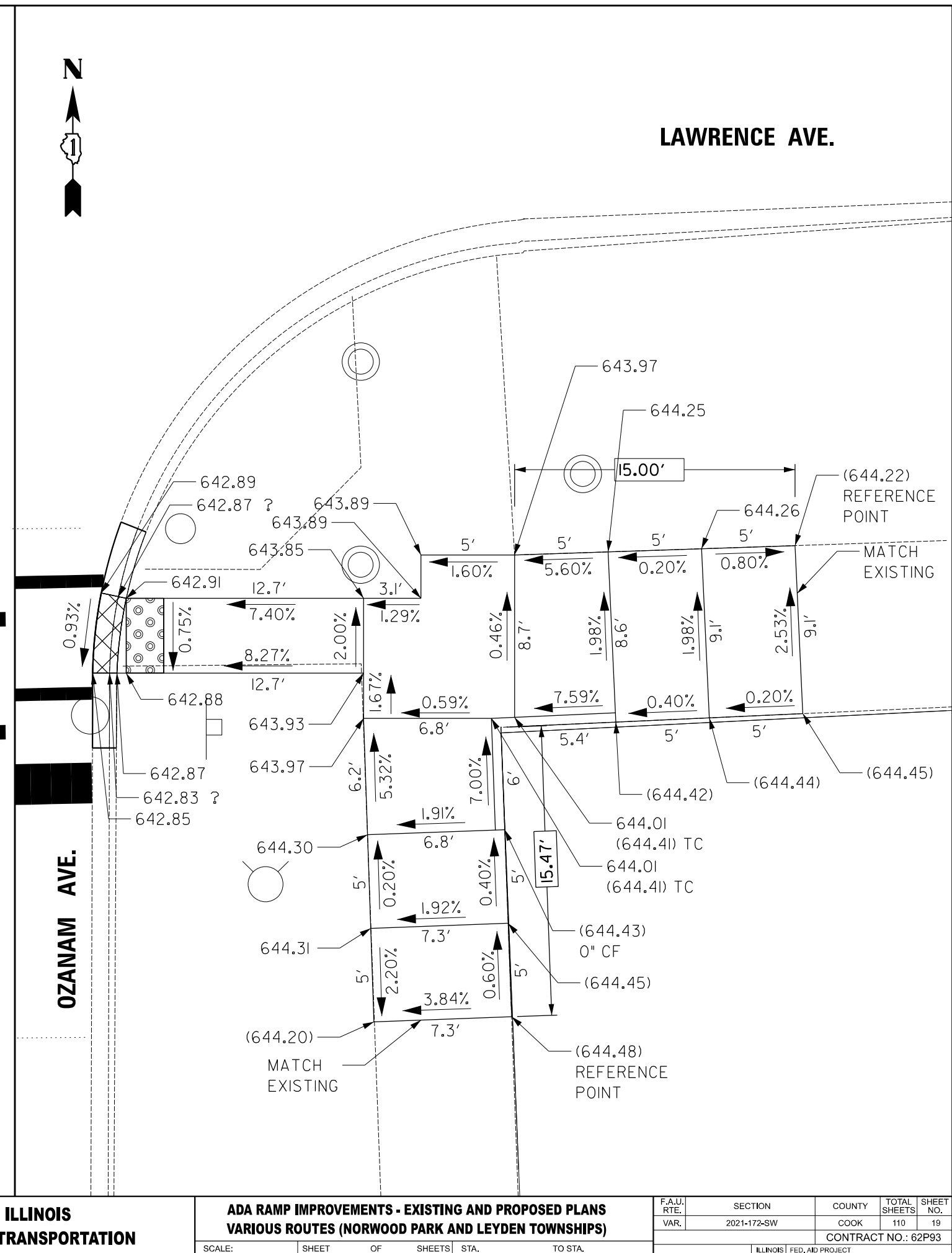
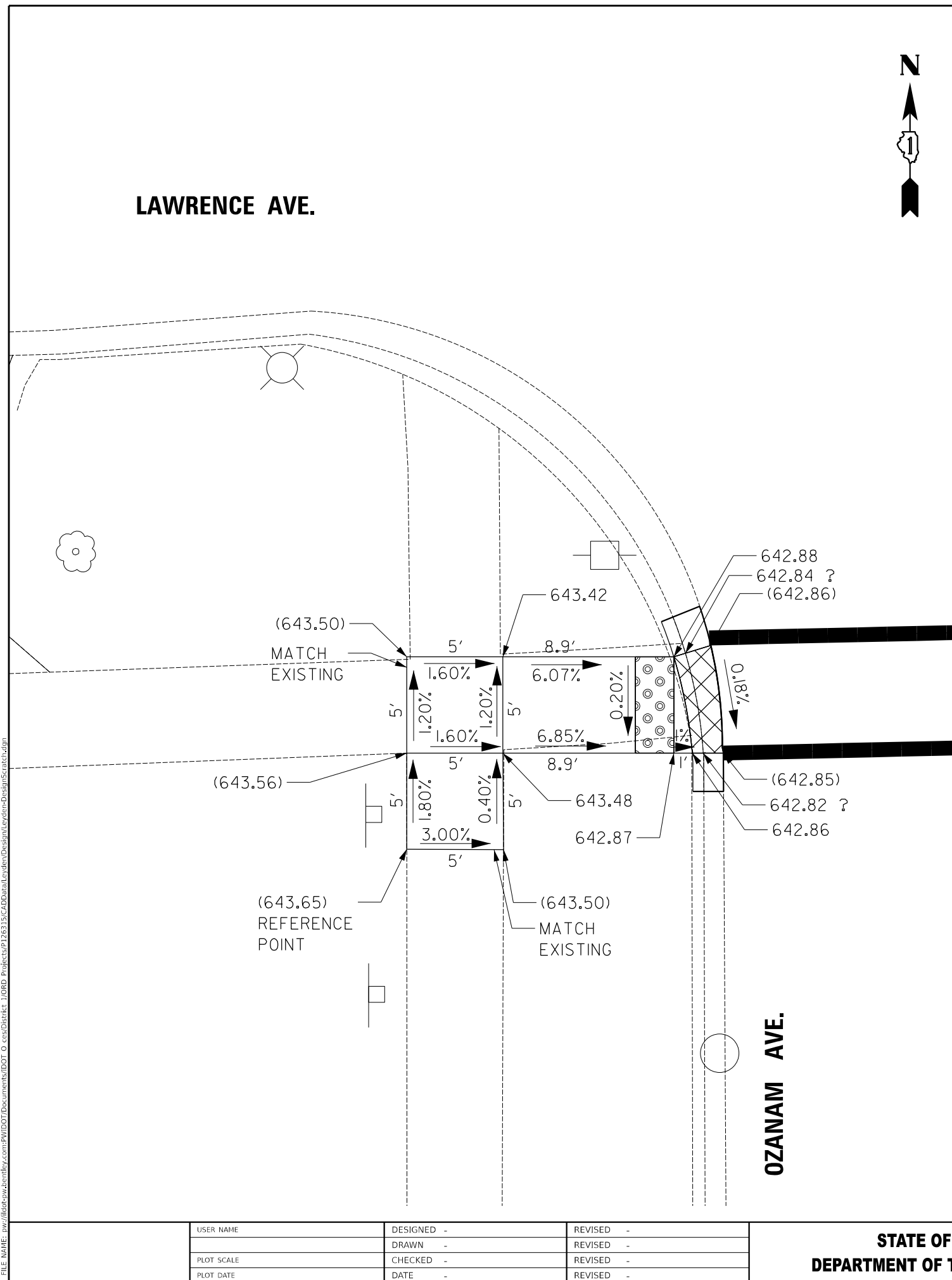
LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- REMOVE AND REPLACE SIDEWALK, (SPECIAL)
- ADA COMPLIANT GRATE
- UTILITY STRUCTURE TO BE ADJUSTED
- UTILITY STRUCTURE TO BE RELOCATED
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH



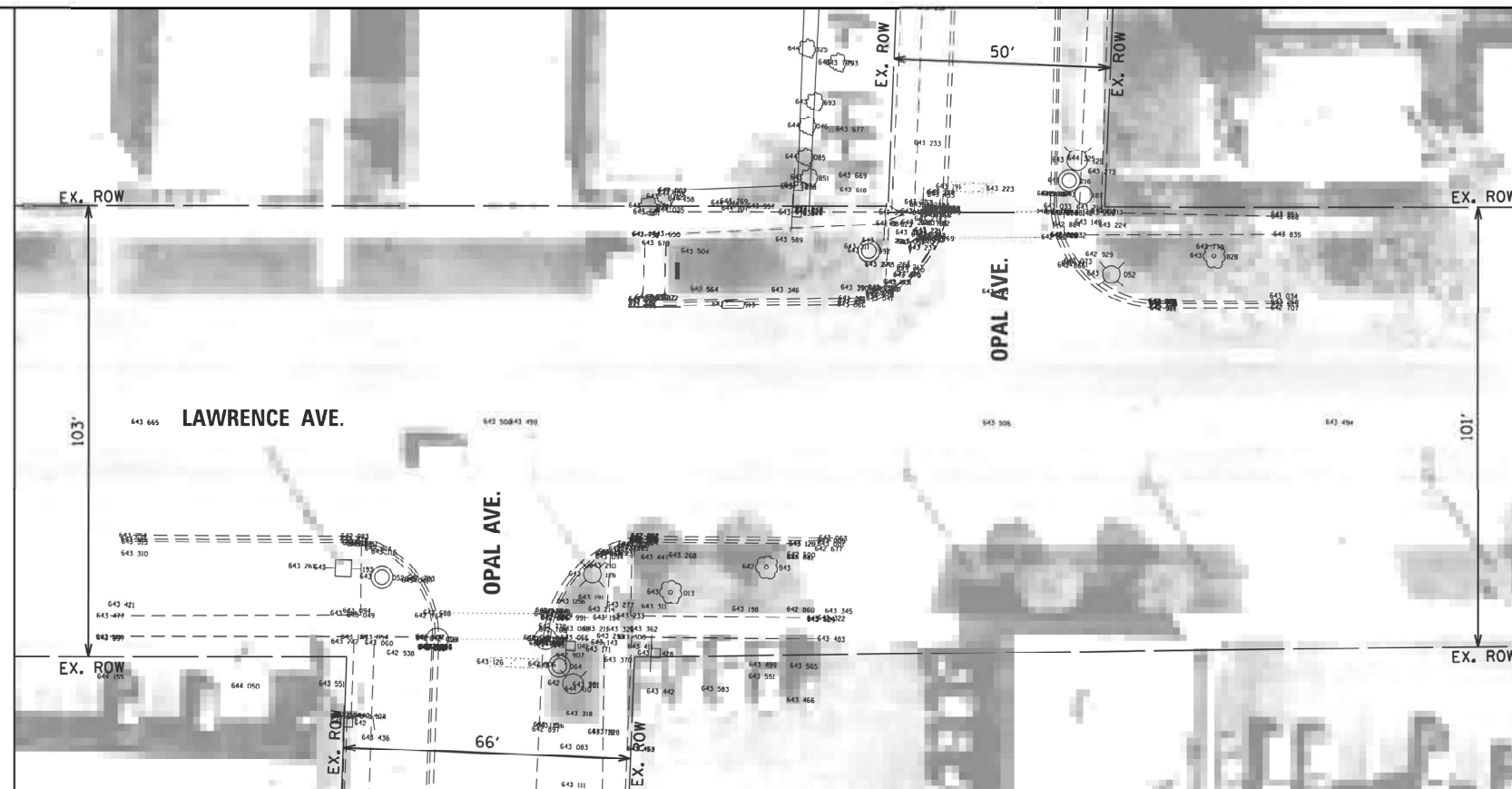
NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

FILE NAME = p:\1\dot-pw.bentley.com\PWIDOT\Documents\1\DOT Offices\District 1\ORD Pr Jec s/P 2 65000\to L den\Design\L den Design\	USER NAME = Philip Steed	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)				FA.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1" = 100'	CHECKED =	REVISED =									VAR.	2021-172-SW	COOK	110	18
	PLOT DATE = 3/30/2025	DATE =	REVISED =									CONTRACT NO.: 62P93				
												ILLINOIS FED. AID PROJECT				
SCALE: 1" = 100'				SHEET 18 OF 18 SHEETS				STA. 100+00 TO STA. 100+00								





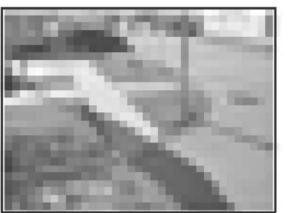
SOUTHWEST CORNER



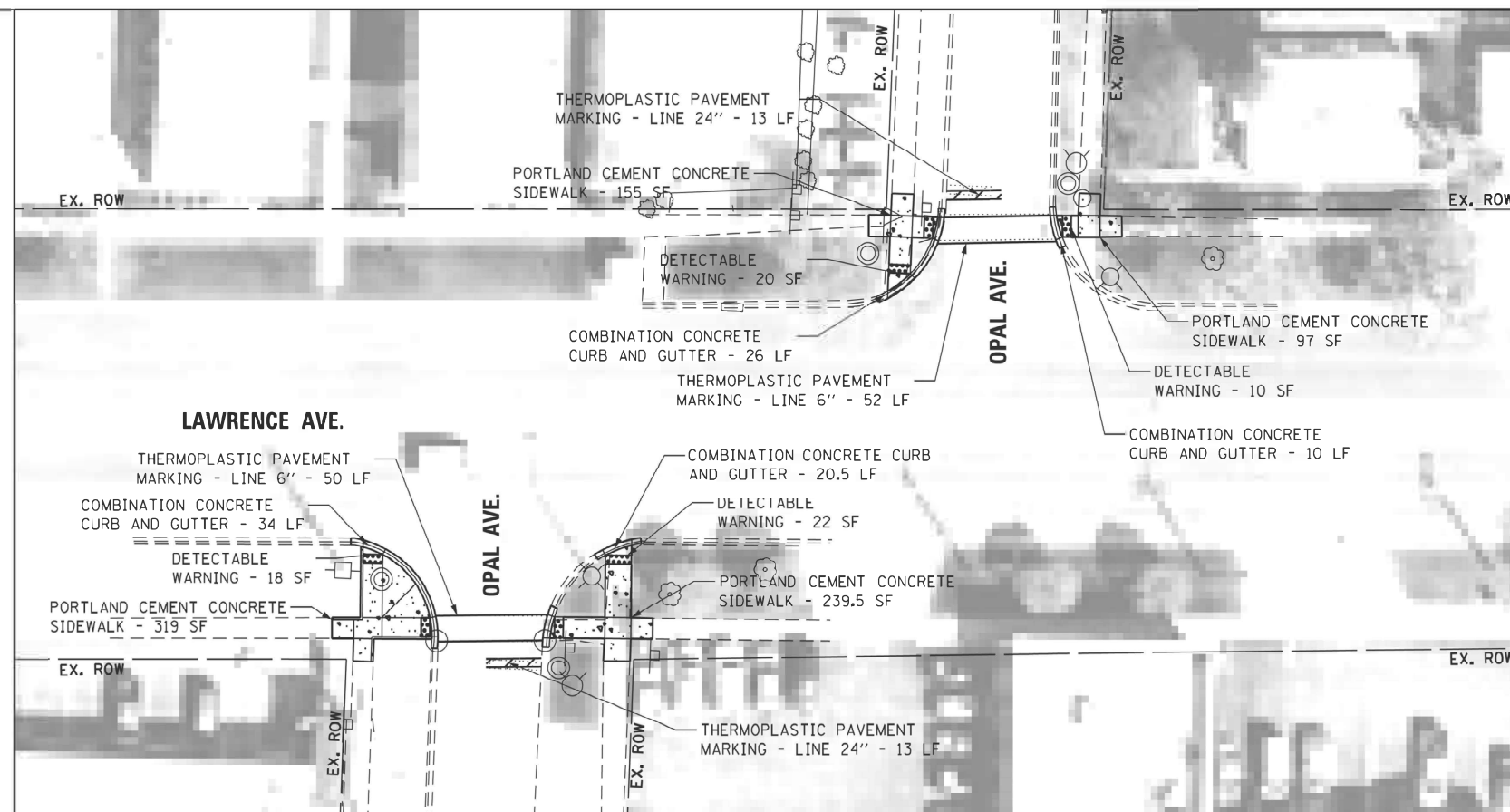
EXISTING



NORTHEAST CORNER



SOUTHEAST CORNER

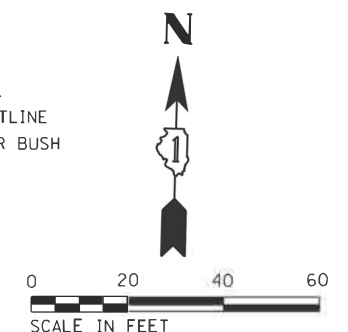
**PROPOSED**

NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

LEGEND

	DETECTABLE WARNING
	SIDEWALK REMOVAL
	NEW PCC SIDEWALK
	REMOVE AND REPLACE NEW PCC SIDEWALK
	REMOVE AND REPLACE SIDEWALK, (SPECIAL)
	ADA COMPLIANT GRATE
	UTILITY STRUCTURE TO BE ADJUSTED
	UTILITY STRUCTURE TO BE RELOCATED
	COMBINATION CONCRETE CURB AND GUTTER
	EXISTING R.O.W. LINE
	SINGLE POST SIGN
	ABOVE GROUND SPLICE BOX
	CONTROLLER BOX
	FIRE HYDRANT
	GUY POLE
	HANDHOLE
	LIGHT STANDARD
	MANHOLE
	POWER LINE
	TELEPHONE
	TRAFFIC SIGNAL
	VEGETATION OUTLINE
	SINGLE TREE OR BUSH

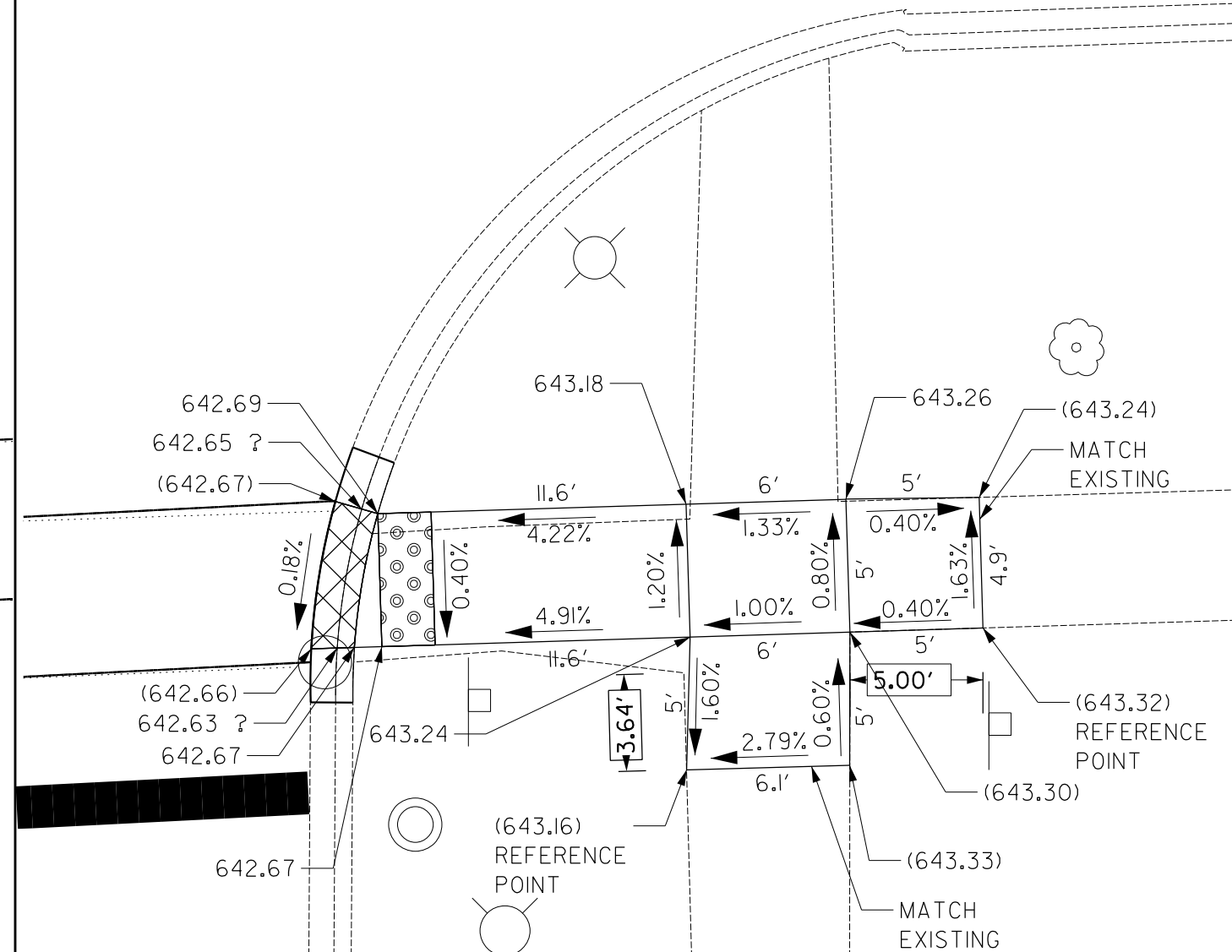




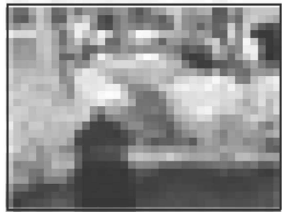
FILE NAME =	USER NAME = Phillip.Steed	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt://ildot-pw.bentley.com/PWIDOT/Documents/1/00T Offices/District 1/0 RD Projects/P12 62P93/001/Design/L_001 Design/Scanned/		CHECKED =	REVISED =			VAR.	2021-172-SW	COOK	110	21
PLOT SCALE = *SCALE*		DATE = 3/30/2025	REVISED =			CONTRACT NO.: 62P93				
				SCALE:	SHEET OF	SHEETS	STA.	TO STA.		
							ILLINOIS / FED. AID PROJECT			



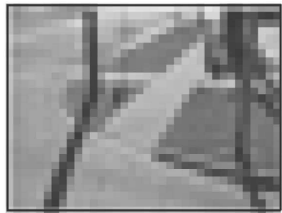
OPAL AVE.



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	23
		CONTRACT NO.: 62P93		
		ILLINOIS FED. AID PROJECT		



NORTHWEST CORNER



SOUTHWEST CORNER



EXISTING



NORTHEAST CORNER



SOUTHEAST CORNER



PROPOSED

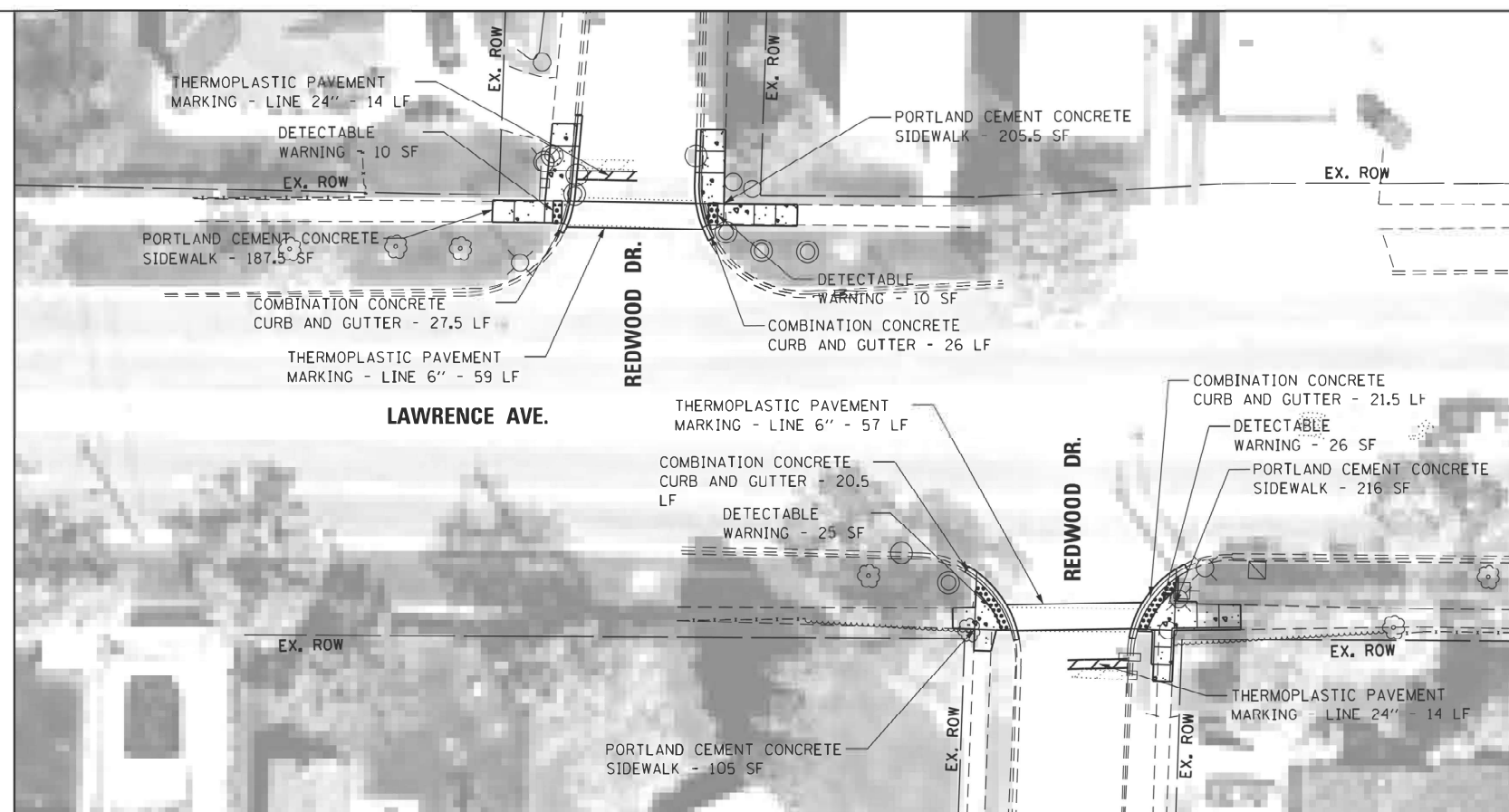
LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- REMOVE AND REPLACE SIDEWALK, (SPECIAL)
- ADA COMPLIANT GRATE
- UTILITY STRUCTURE TO BE ADJUSTED
- UTILITY STRUCTURE TO BE RELOCATED
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH



NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = Phillip.Steed	DESIGNED =	REVISED =	STATE OF ILLINOIS				ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw://ildot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/District 1/ORD Projects/P126350/Drawn/Leyden/Design/Design/		DRAWN =	REVISED =	DEPARTMENT OF TRANSPORTATION				VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)				VAR.	2021-172-SW	COOK	110	24
		CHECKED =	REVISED =									CONTRACT NO.: 62P93				
		DATE =	REVISED =									ILLINOIS FED. AID PROJECT				
								SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

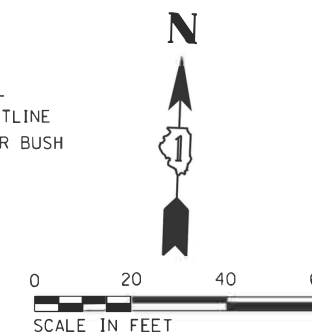
LEGEND

	DETECTABLE WARNING
	SIDEWALK REMOVAL
	NEW PCC SIDEWALK
	REMOVE AND REPLACE NEW PCC SIDEWALK
	REMOVE AND REPLACE SIDEWALK, (SPECIAL)
	ADA COMPLIANT GRATE
	UTILITY STRUCTURE TO BE ADJUSTED
	UTILITY STRUCTURE TO BE RELOCATED
	COMBINATION CONCRETE CURB AND GUTTER
	EXISTING R.O.W. LINE
	SINGLE POST SIGN
	ABOVE GROUND SPLICE BOX
	CONTROLLER BOX
	FIRE HYDRANT
	GUY POLE
	HANDHOLE
	LIGHT STANDARD
	MANHOLE
	POWER LINE
	TELEPHONE
	TRAFFIC SIGNAL
	VEGETATION OUTLINE
	SINGLE TREE OR BUSH

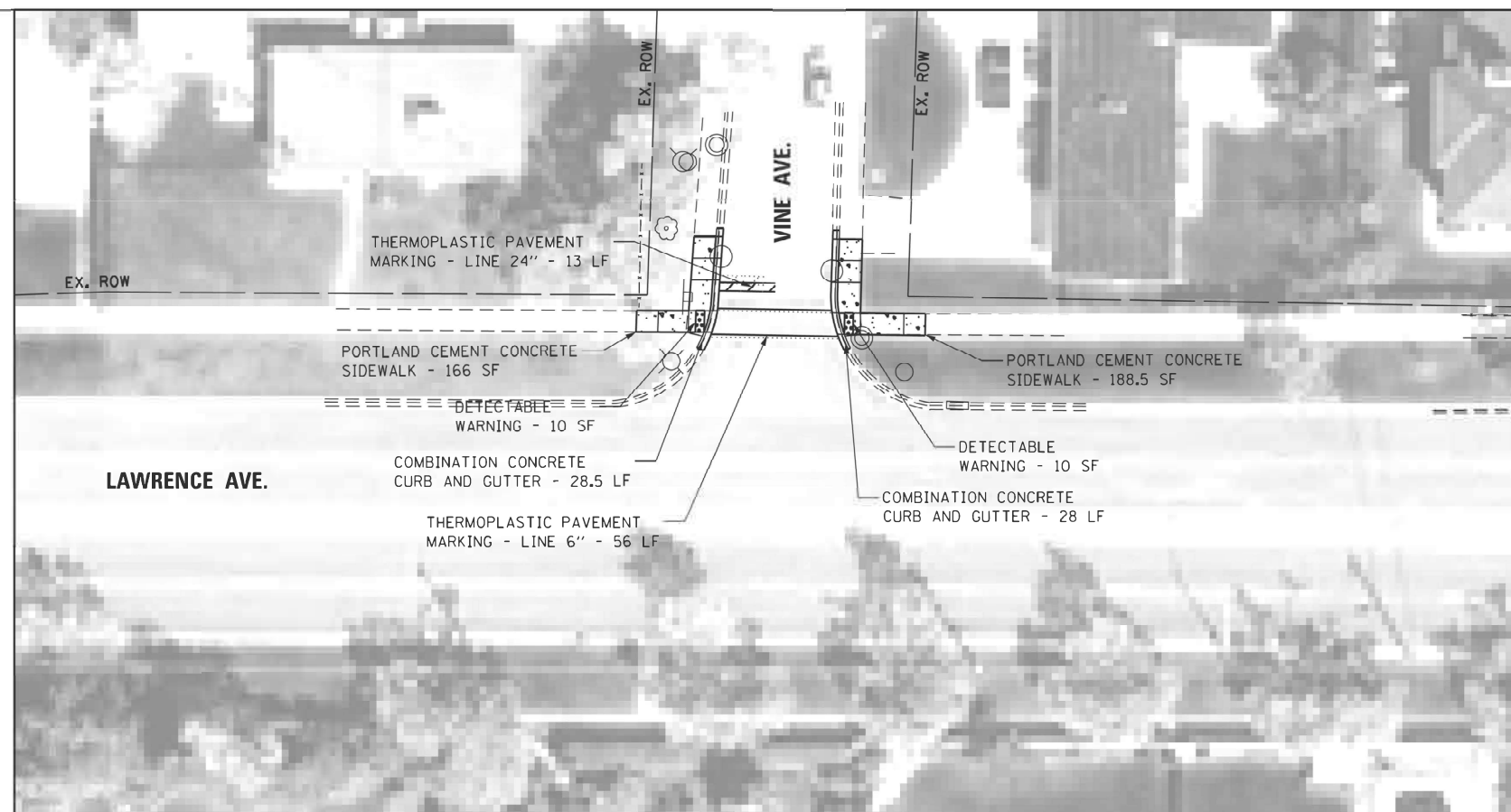
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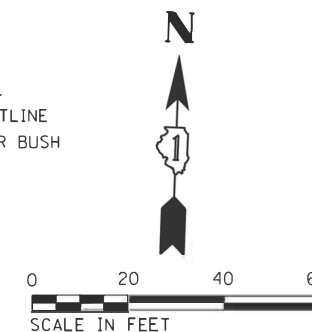


UNLESS OTHERWISE NOTED:																			
FILE NAME =	USER NAME = Phillip.Steed	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pwt://idot-pw.bentley.com/PWIDOT/Documents/1/007 Offices/Design/1/ORD Projects/P1263500/001/Leyden/Design/Leyden-Design-S		CHECKED	REVISED							VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)				VAR.	2021-172-SW	COOK	110	28	CONTRACT NO.: 62P93
PLOT SCALE = *\$TABLE*		DATE	REVISED							SCALE:				SHEET	OF	SHEETS	STA.	TO STA.	
PLOT DATE = 3/30/2025										ILLINOIS FED. AID PROJECT									

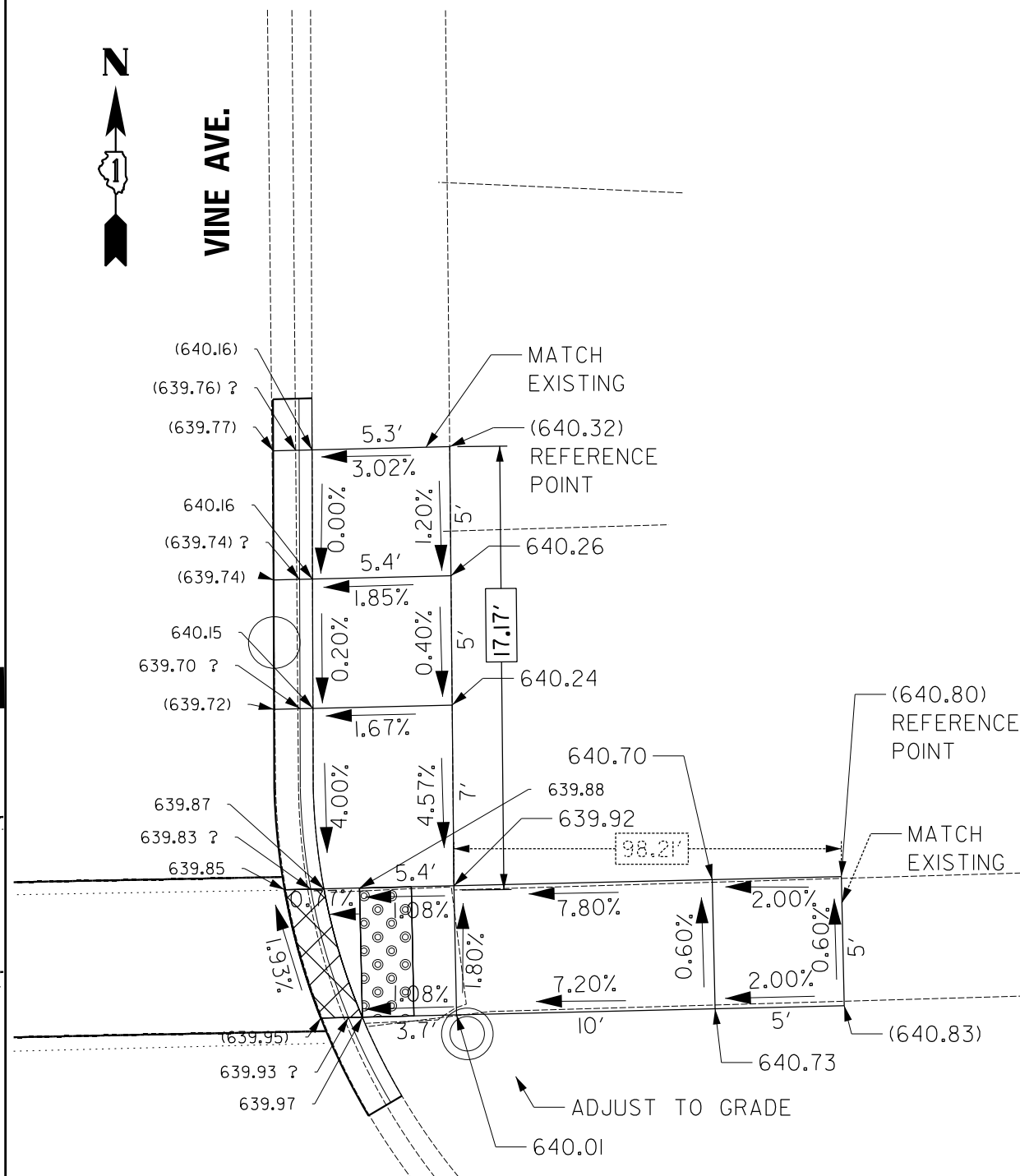


NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

LEGEND	
	DETECTABLE WARNING
	SIDEWALK REMOVAL
	NEW PCC SIDEWALK
	REMOVE AND REPLACE NEW PCC SIDEWALK
	REMOVE AND REPLACE SIDEWALK, (SPECIAL)
	ADA COMPLIANT GRATE
	UTILITY STRUCTURE TO BE ADJUSTED
	UTILITY STRUCTURE TO BE RELOCATED
	COMBINATION CONCRETE CURB AND GUTTER
	EXISTING R.O.W. LINE
	SINGLE POST SIGN
	ABOVE GROUND SPLICE BOX
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	GUY POLE
	HANDHOLE
	LIGHT STANDARD
	MANHOLE
	POWER LINE
	TELEPHONE
	TRAFFIC SIGNAL
	VEGETATION OUTLINE
	SINGLE TREE OR BUSH



FILE NAME =	USER NAME = Phillip.Steed	DESIGNED *	REVISED *	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw://ildot/pw.bentley.com/PWIDOT/Documents/	/DOT Offices/District 1/ORD Projects/P1263500000	5/20/2025	5/20/2025			VAR.	2021-172-SW	COOK	110	31
						CONTRACT NO.: 62P93				
						ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET OF SHEETS	STA.	TO STA.			



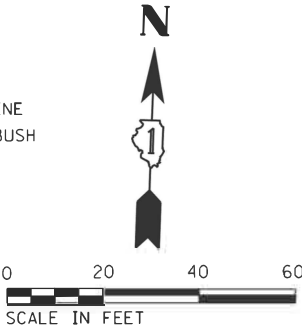
LAWRENCE AVE.

USER NAME = Phillip.Steed	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -			VAR.	2021-172-SW	COOK	110	32	
PLOT SCALE = 40,000 ' / in.	CHECKED -	REVISED -			CONTRACT NO.: 62P93					
PLOT DATE = 9/3/2025	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

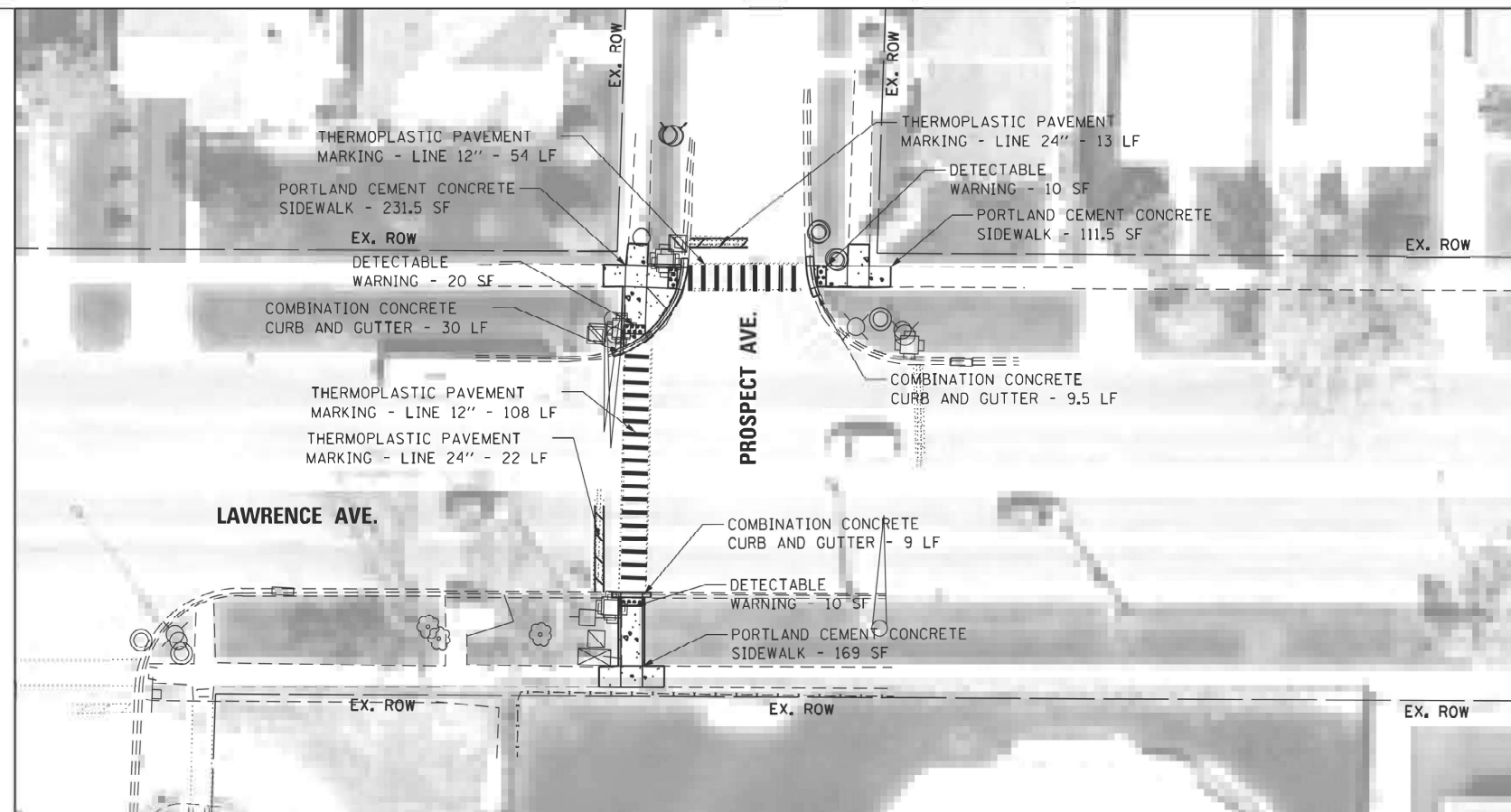
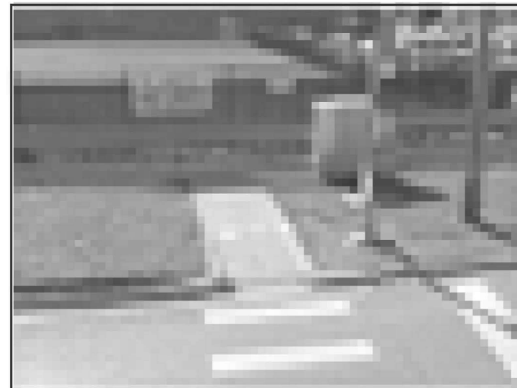


NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

	DETECTABLE WARNING
	SIDEWALK REMOVAL
	NEW PCC SIDEWALK
	REMOVE AND REPLACE NEW PCC SIDEWALK
	REMOVE AND REPLACE SIDEWALK, (SPECIAL)
	ADA COMPLIANT GRATE
	UTILITY STRUCTURE TO BE ADJUSTED
	UTILITY STRUCTURE TO BE RELOCATED
	COMBINATION CONCRETE CURB AND GUTTER
	EXISTING R.O.W. LINE
	SINGLE POST SIGN
	ABOVE GROUND SPLICE BOX
	CONTROLLER BOX
	FIRE HYDRANT
	GUY POLE
	HANDHOLE
	LIGHT STANDARD
	MANHOLE
	POWER LINE
	POWER LINE
	TELEPHONE
	TELEPHONE
	TRAFFIC SIGNAL
	VEGETATION OUTLINE
	SINGLE TREE OR BUSH



FILE NAME =	USER NAME = Phillip.Steed	DESIGNED +	REVISED +	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw://idotpw.bentley.com/PWIDOT/Documents/1/IDOT Offices/District 1/ORD Projects/PI26350/ORD/Info/Leyden/Design/Leyden-DesignSc	5/26/2025	REVISED +	REVISED +			VAR.	2021-172-SW	COOK	110	33	
PLOT SCALE = s\$TALEs	CHECKED +	REVISED +	REVISED +			CONTRACT NO.: 62P93					
PLOT DATE = 3/30/2025	DATE +	REVISED +	REVISED +			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
					ILLINOIS FED. AID PROJECT						

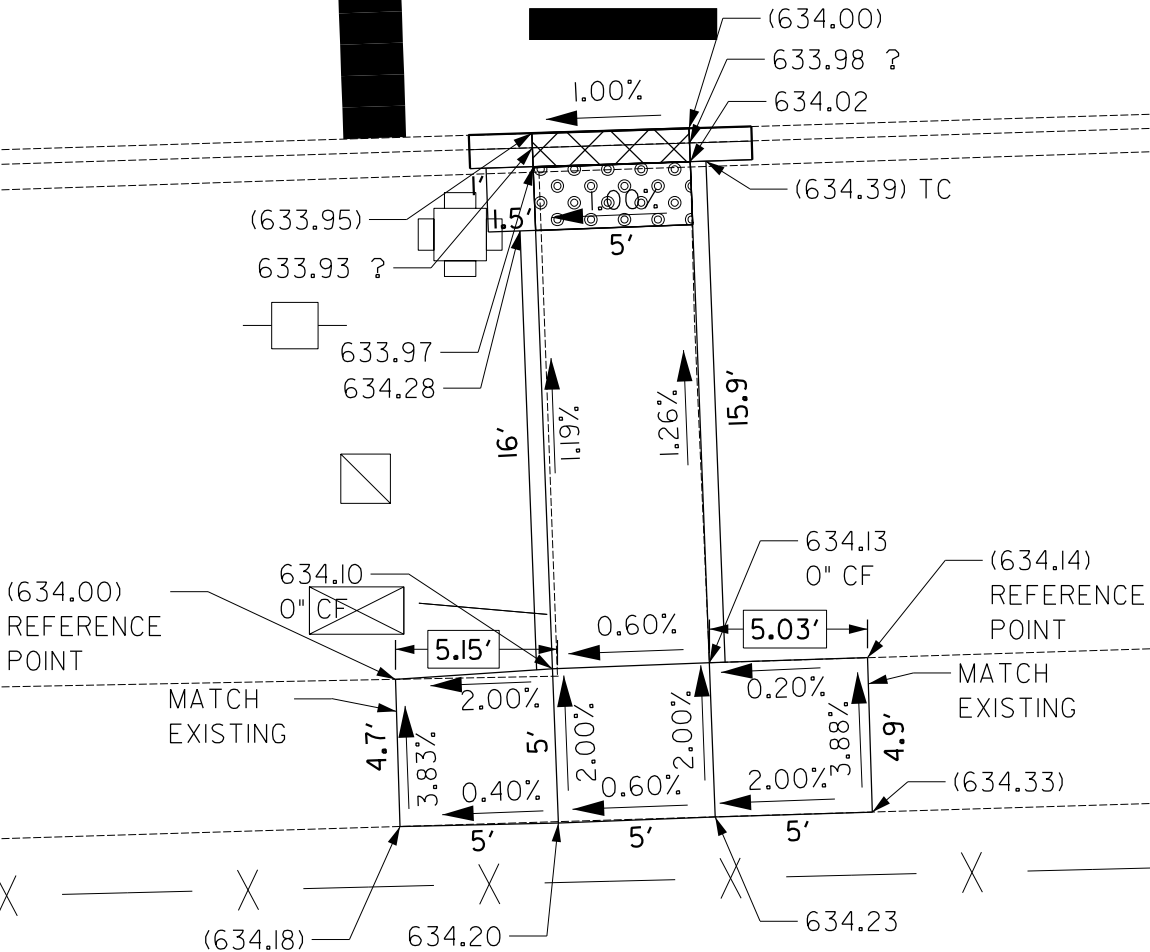


NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

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MODEL: Default
FILE NAME: I:\2021\172-SW\172-SW.dgn
PROJECT: 172-SW
SHEET: 110
DATE: 9/3/2025
USER: Phillip.Steed

LAWRENCE AVE.

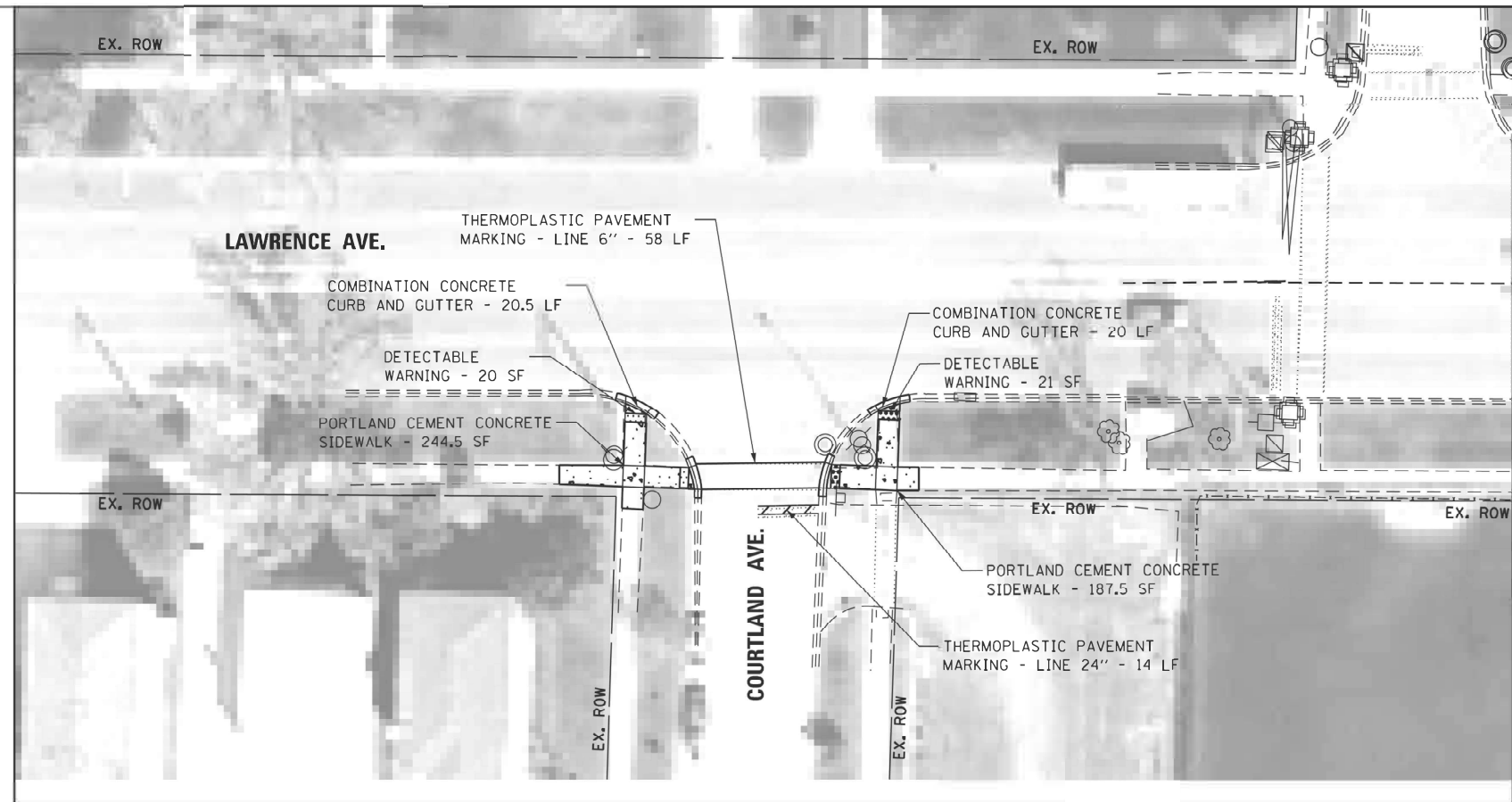
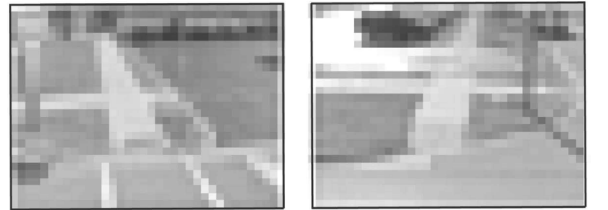
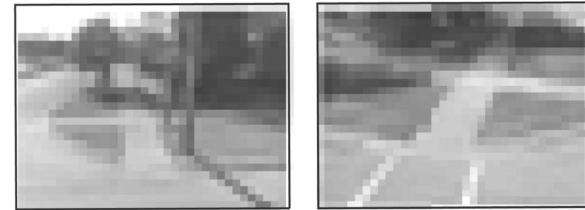


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS
VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	37
CONTRACT NO.: 62P93				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

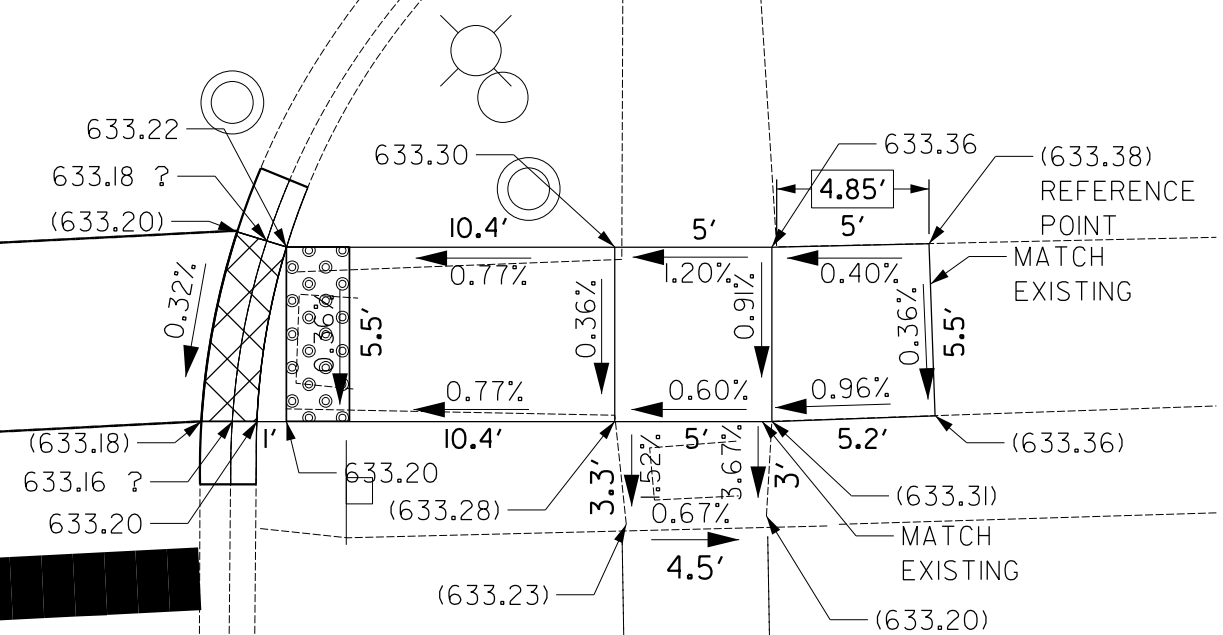


NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = Phillip.Steed	DESIGNED *	REVISED *	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pww\illdot\pw.bentley.com\PWID007\Documents\1007 Offices\District 1\DRD Projects\PI2635\DRD\DWG\Leysden\Design\Leysden-DesignSheet.dwg	5/26/2024	5/26/2024	5/26/2024			VAR.	2021-172-SW	COOK	110	38
PLOT SCALE = 5"=100'	CHECKED *	REVISED *	REVISED *			CONTRACT NO.: 62P93				
PLOT SCALE = 3/30/2025	DATE *	REVISED *	REVISED *							
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	

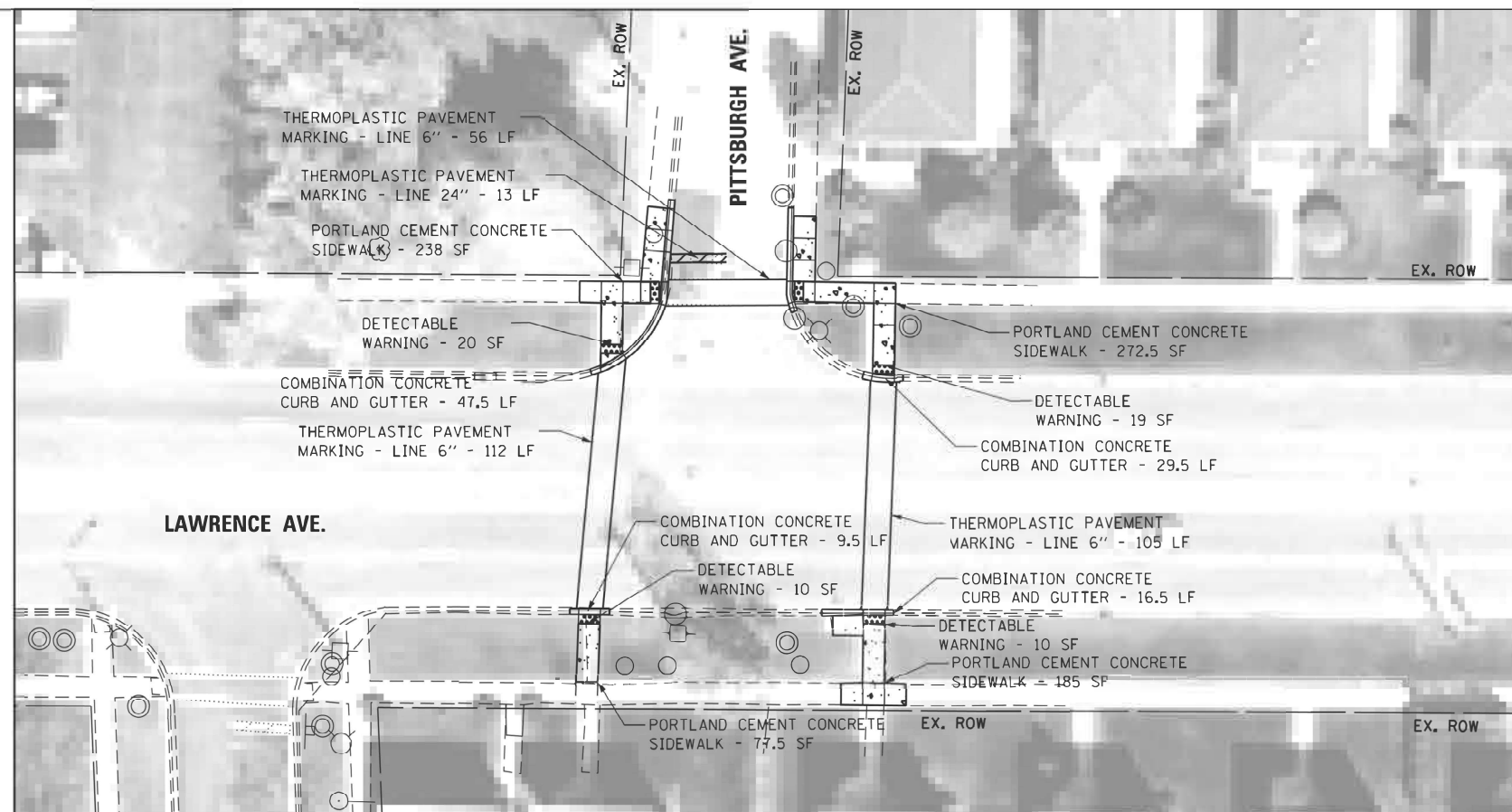
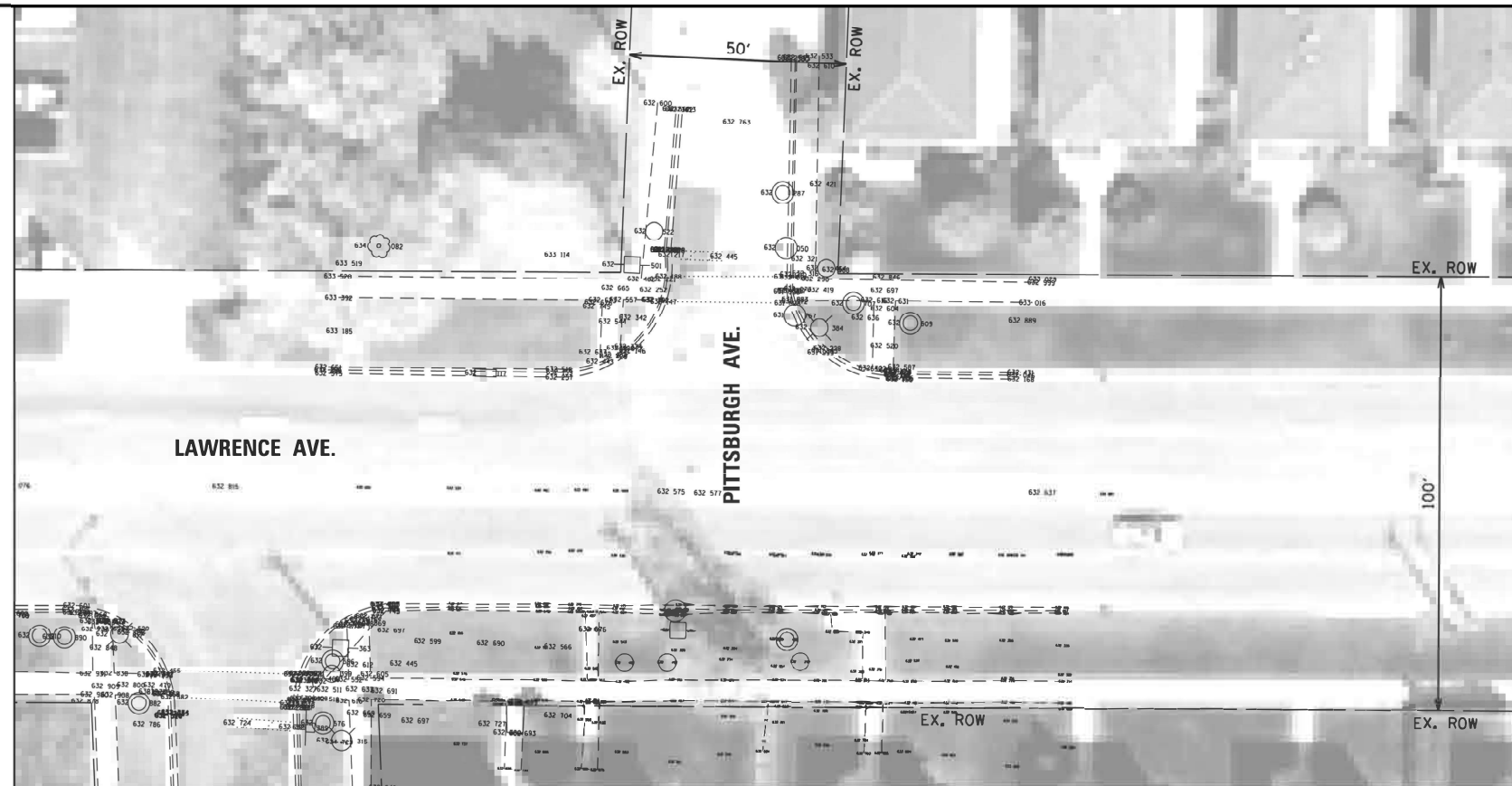
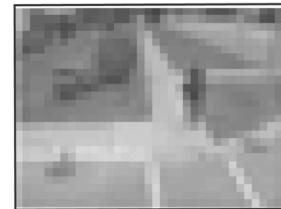
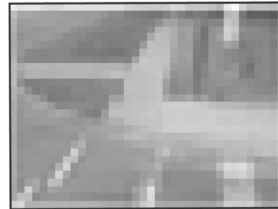


COURTLAND AVE.



ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)					
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	39
		CONTRACT NO.: 62P93		
		ILLINOIS FED. AID PROJECT		



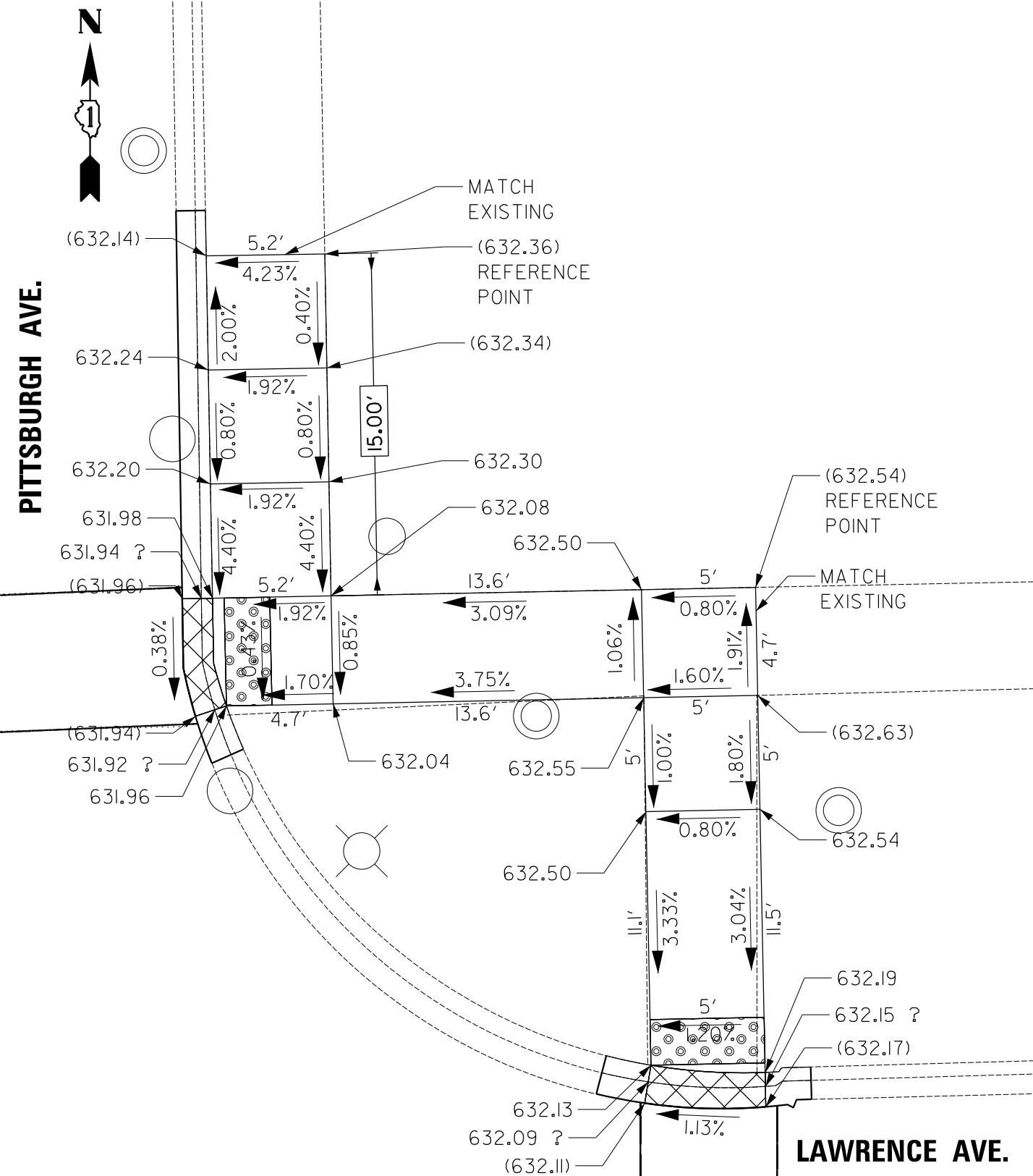
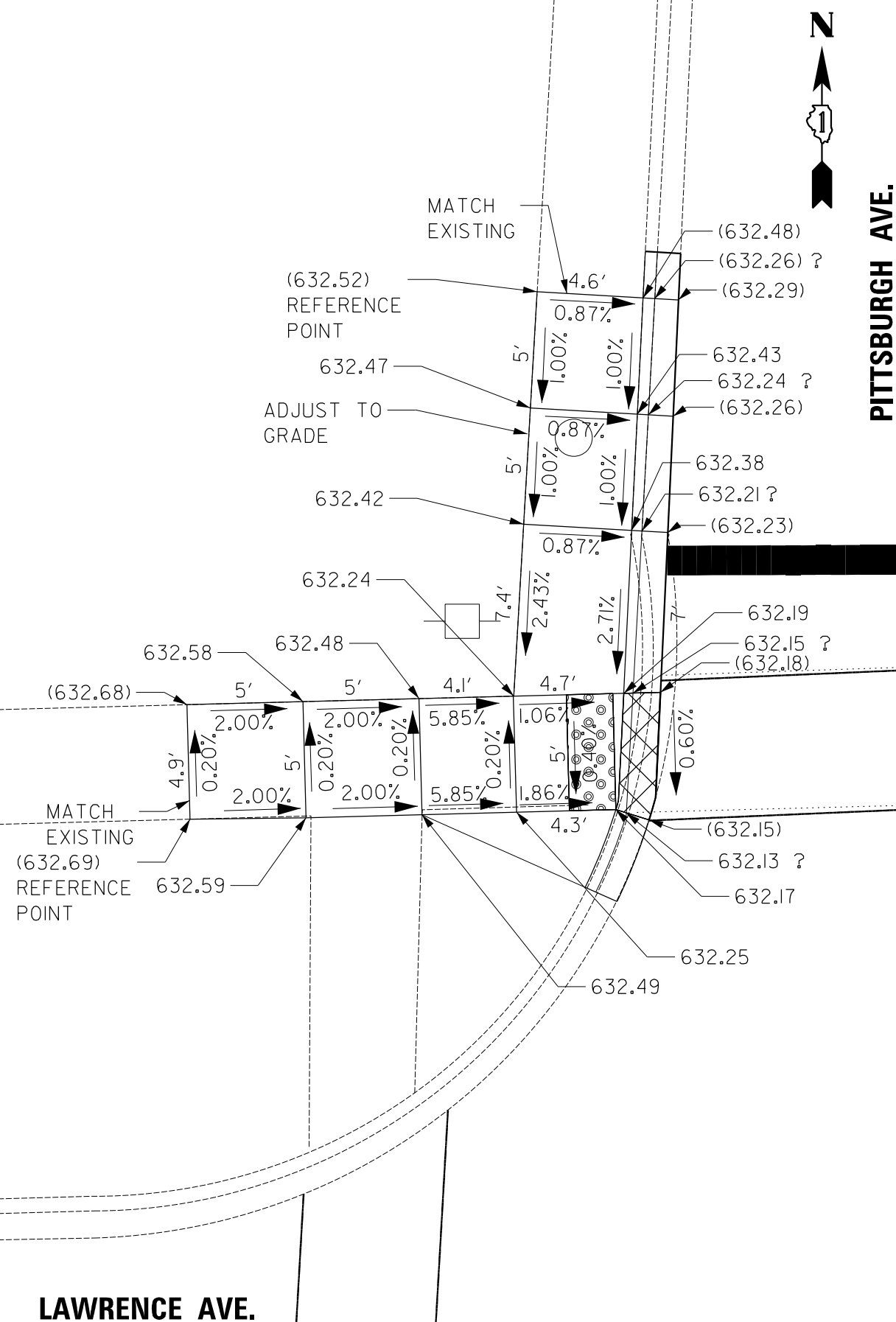
NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = Phillip.Steed	DESIGNED *	REVISED *
p:\ildot-pw.bentley.com\PWIDOT\Documents\DOT Offices\Design & Construction Projects\P1263506\Drawings\Leyden\Des_ig\Leyden-DesignSo	CHECKED *	REVISED *	
PLOT SCALE = \$S/CITE\$	CHECKED *	REVISED *	
PLOT DATE = 3/30/2025	DATE *	REVISED *	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)						
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
VAR.	2021-172-SW	COOK	110	4C
			CONTRACT NO.: 62P93	
ILLINOIS / FED. AID PROJECT				



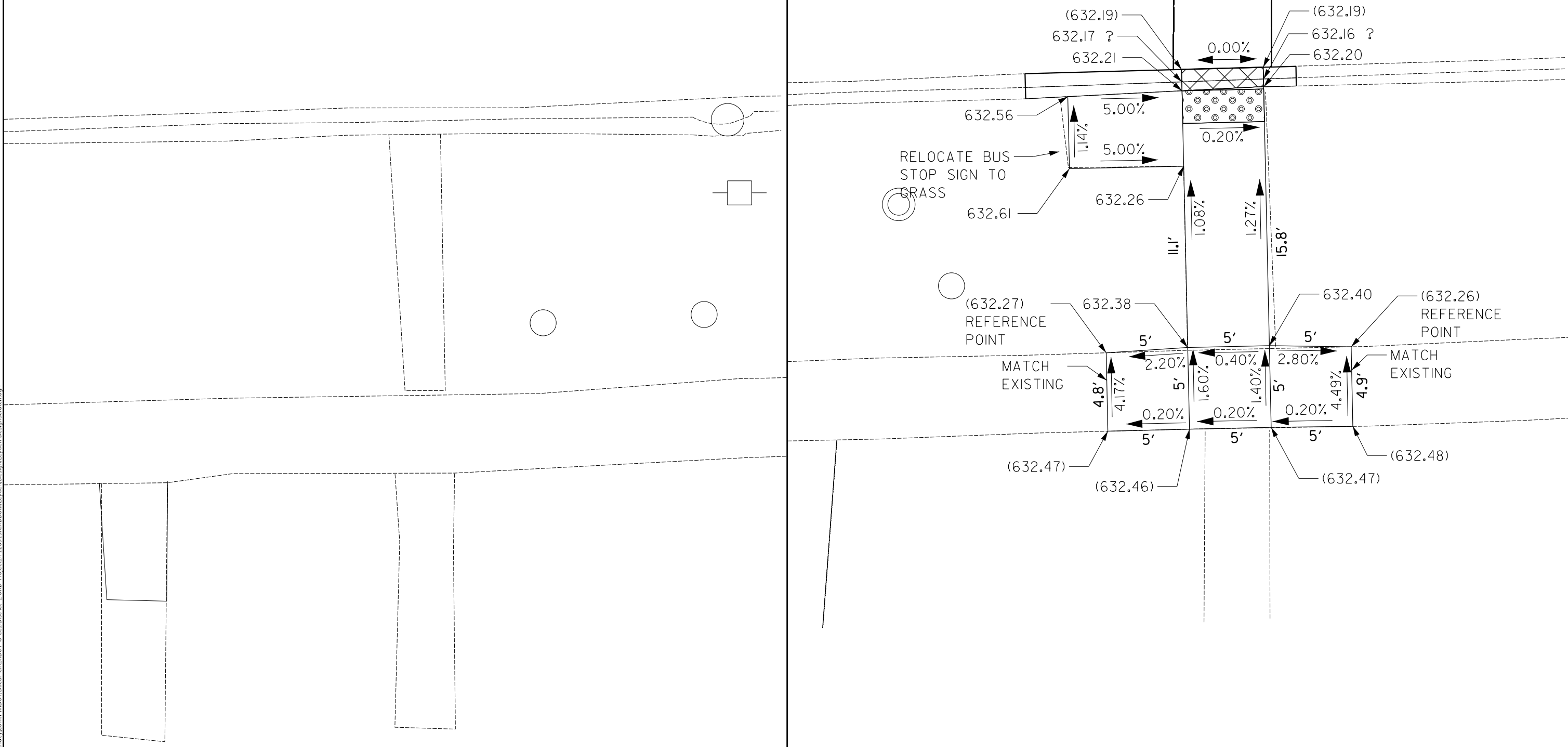
USER NAME = Phillip,Steed	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 39,900 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE -	REVISED -

ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)				
SCALE: NONE	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	41
		CONTRACT NO.: 62P93		
		ILLINOIS	FED. AID PROJECT	

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LAWRENCE AVE.



MODEL: Default
FILE NAME: p:\Mid-pw.bentley.com\PWIDOT\Documents\DOT 0 ces\District 1\ORD Projects\P 26315\CADDData\Levden\Design\DesignScratch.dgn

USER NAME	= Phillip.Steed	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVISED	-
PLOT SCALE	= 40.000 ' / in.	DATE	-	REVISED	-
PLOT DATE	= 9/3/2025				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)			
SCALE:	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	42
CONTRACT NO.: 62P93				
ILLINOIS FED. AID PROJECT				

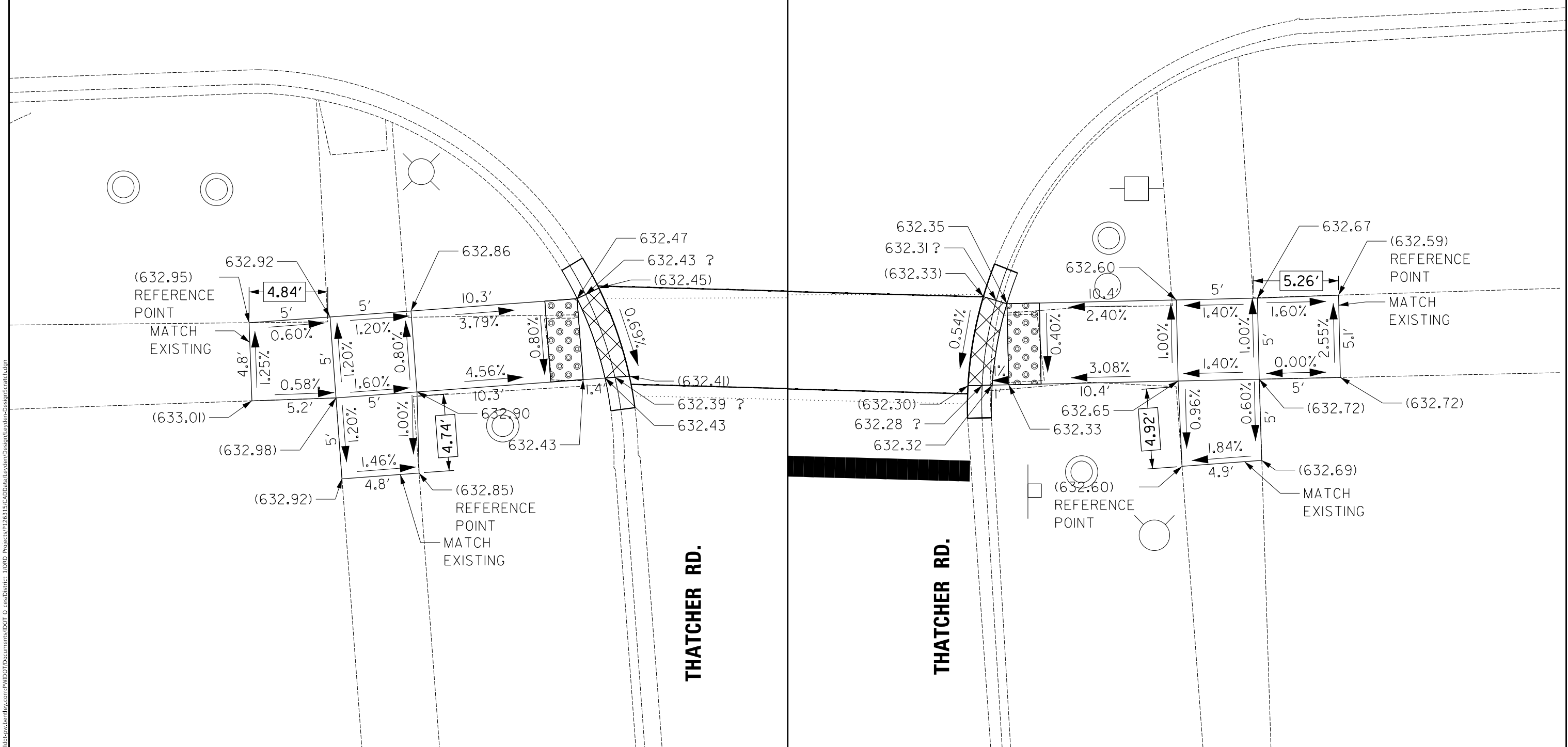


A map of the study area. At the top, a north arrow points upwards, labeled 'N'. Below the north arrow is a road labeled 'LINE BUSH'. The road is depicted with a dashed line. At the bottom of the map is a scale bar labeled 'SCALE IN FEET' with markings at 0, 20, 40, and 60 feet.

[illegible]

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LAWRENCE AVE.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	44
		CONTRACT NO.: 62P93		
		ILLINOIS FED. AID PROJECT		

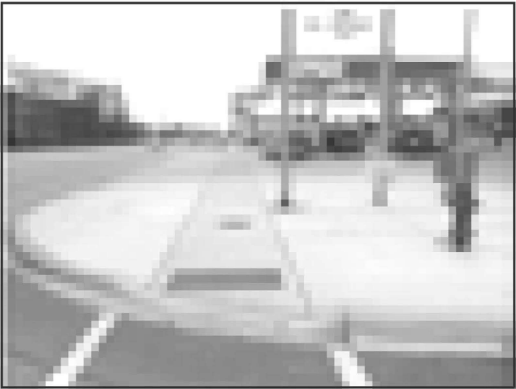
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MODEL: Default
FILE NAME: pwr://lot-pw.bentley.com:PWIDOT/Documents/IDOT_0_ces/District_1/ORD_Projects/P126315/CADDData/Leyden/Design/Leyden-DesignScratch.dgn
```



SOUTHEAST CORNER



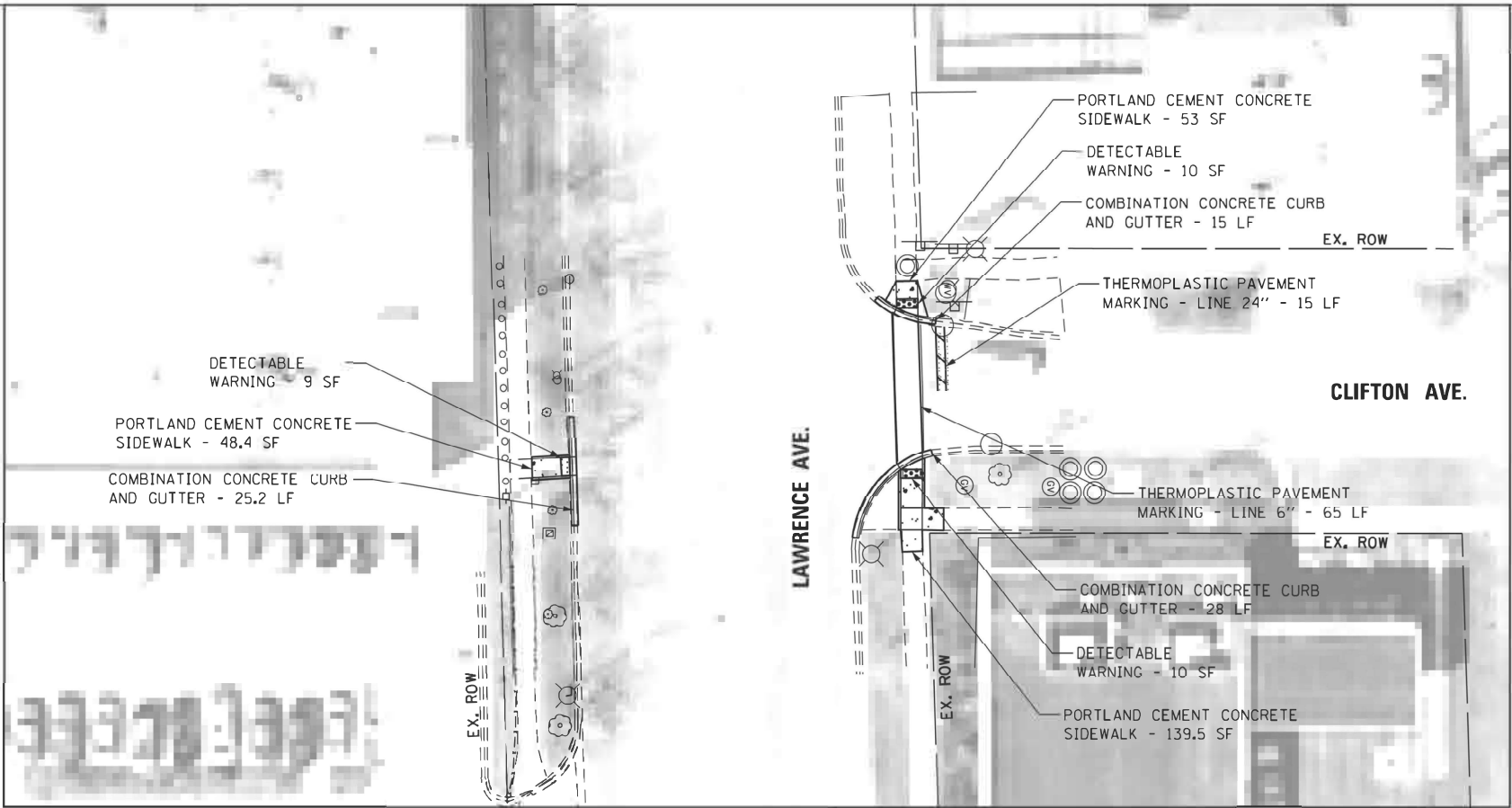
EXISTING



NORTHWEST CORNER



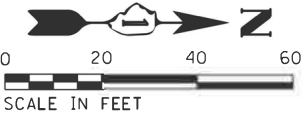
NORTHEAST CORNER



PROPOSED

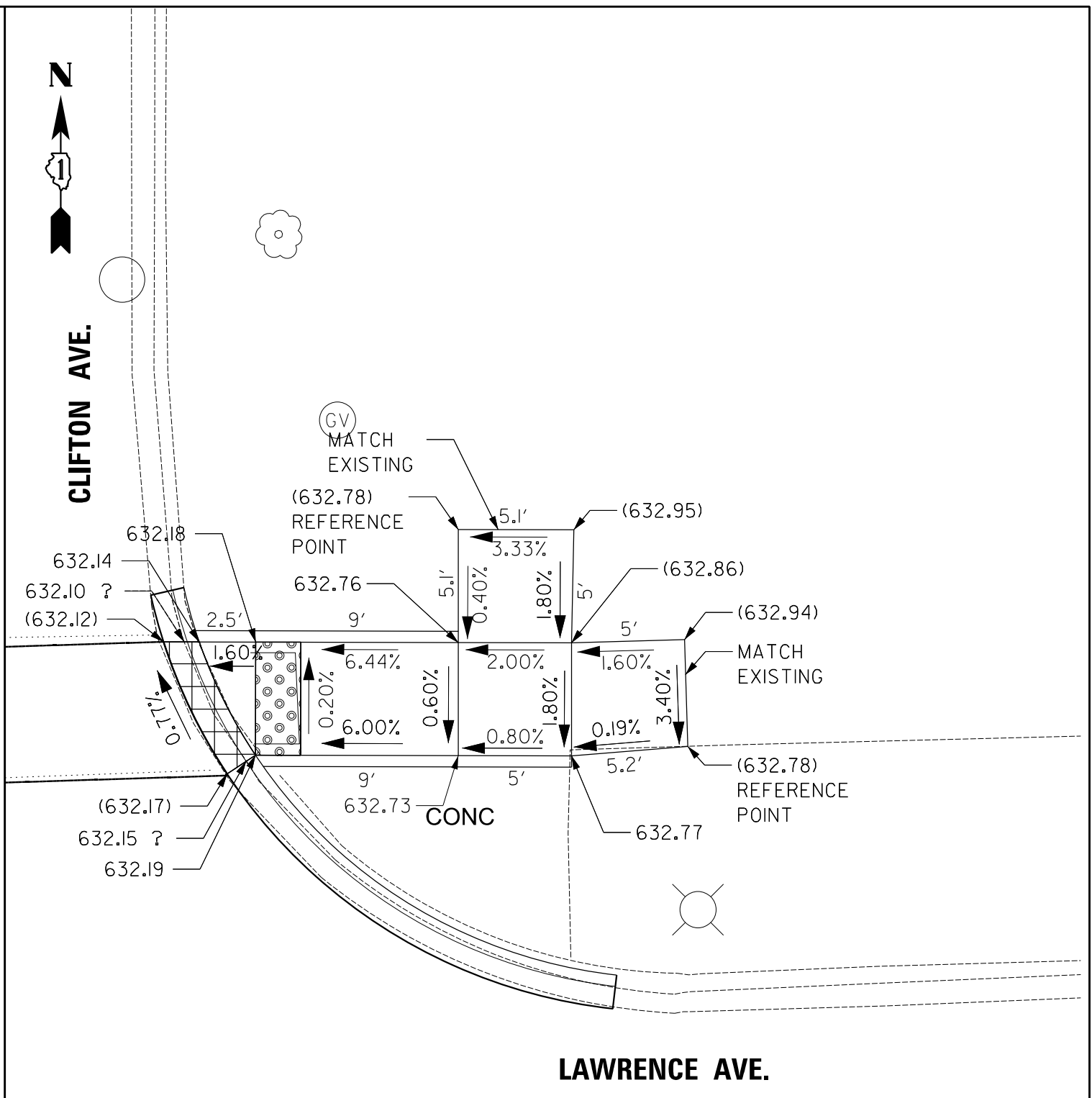
LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- REMOVE AND REPLACE SIDEWALK, (SPECIAL)
- ADA COMPLIANT GRATE
- UTILITY STRUCTURE TO BE ADJUSTED
- UTILITY STRUCTURE TO BE RELOCATED
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH

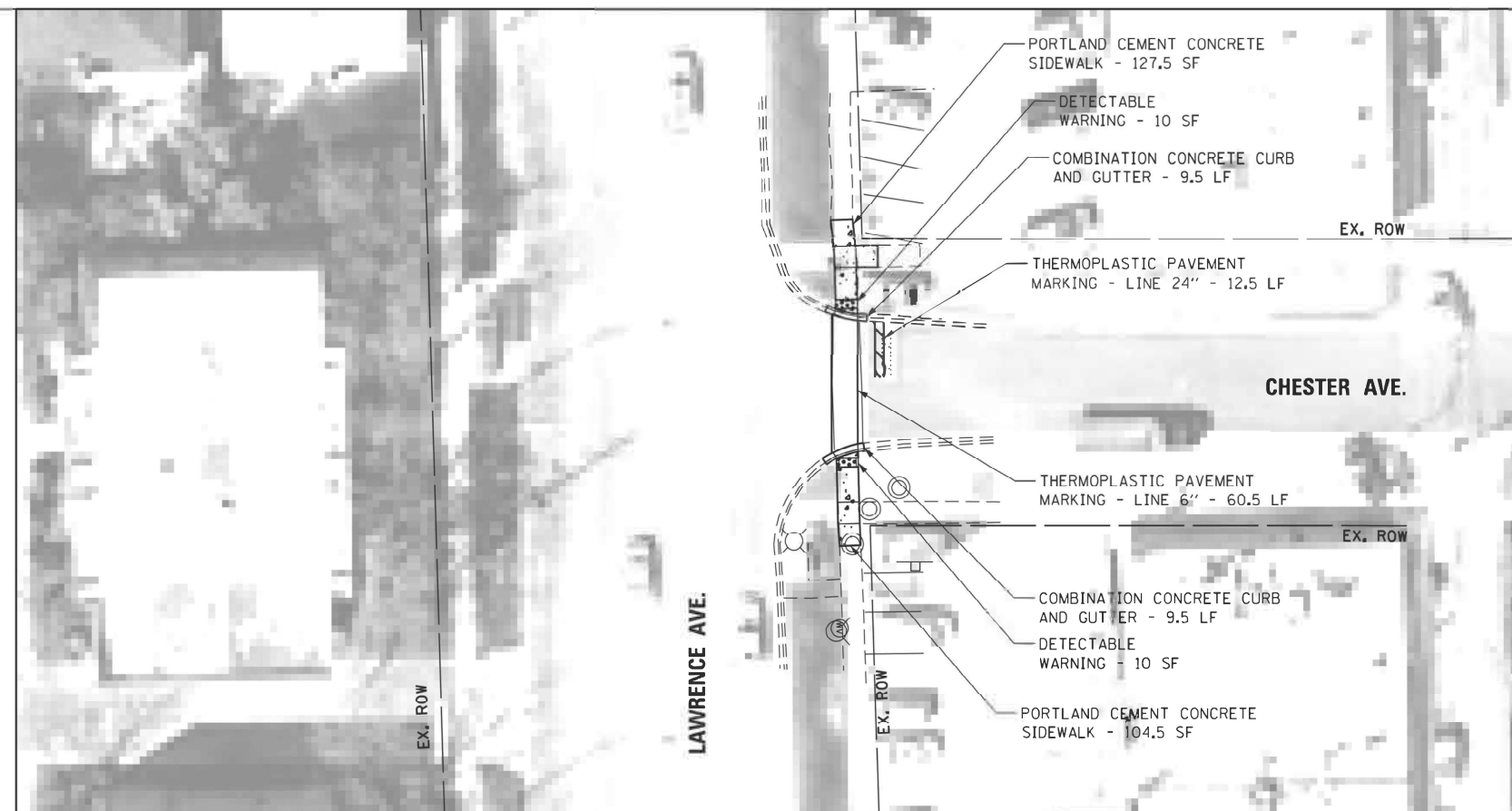
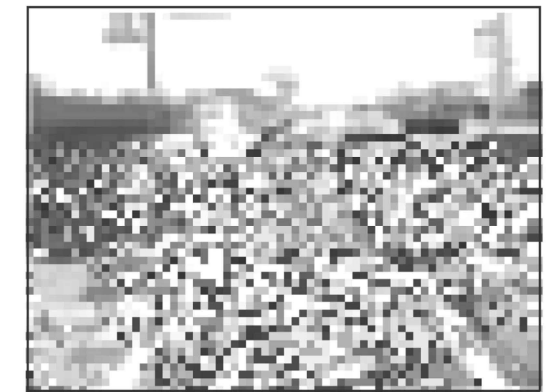
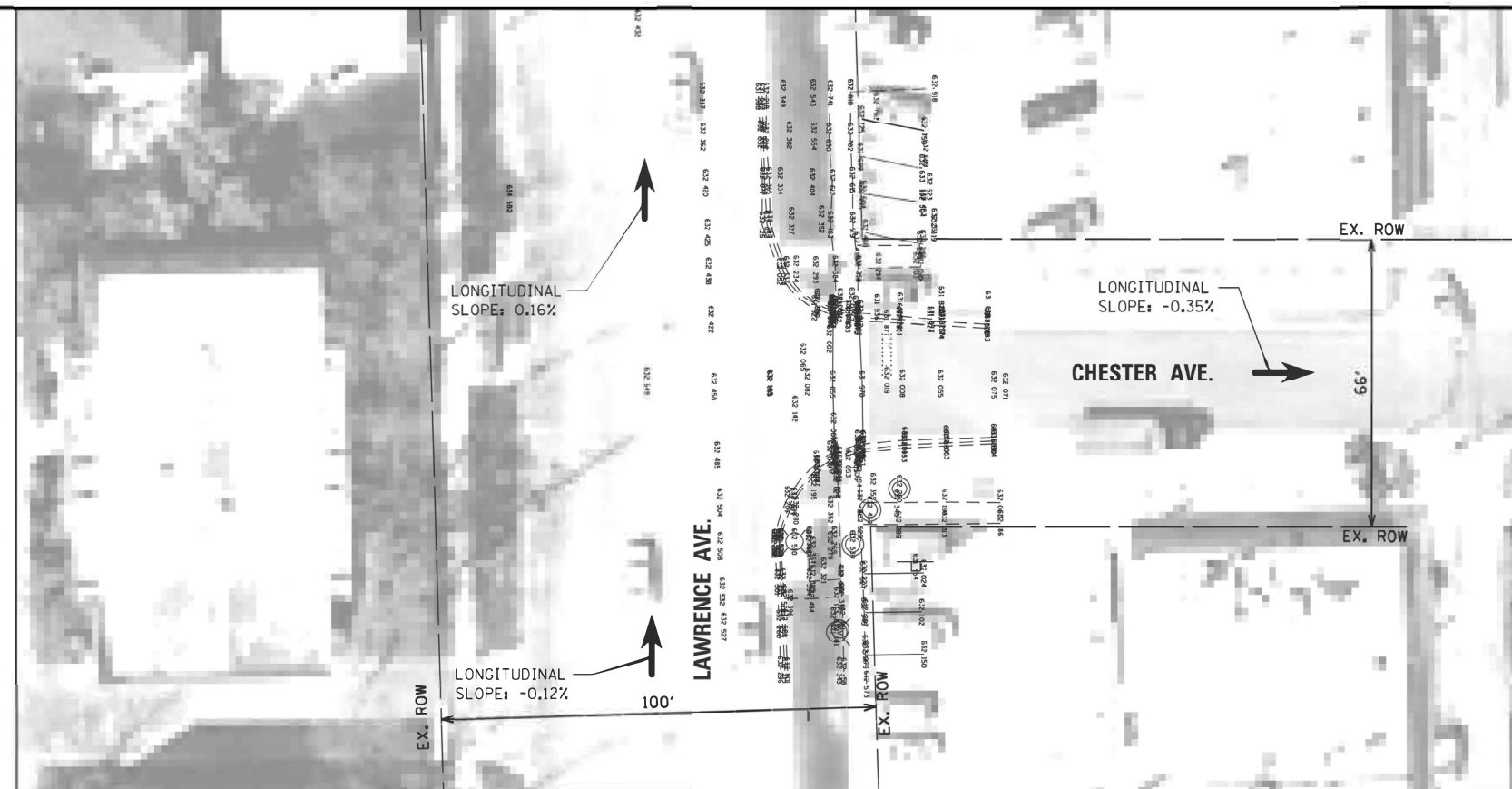


NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = Phillip.Steed	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt://ildot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/District 1/ORD Projects/PJ263526/Drawings/Leyden-DesignSc	5/26/2025	5/26/2025	5/26/2025									VAR.	2021-172-SW	COOK	110	45
PLOT SCALE = *SCALE*	CHECKED =	REVISD =	REVISD =									CONTRACT NO.: 62P93				
PLOT DATE = 3/30/2025	DATE =	REVISD =	REVISD =									ILLINOIS FED. AID PROJECT				
				SCALE:				SHEET OF SHEETS STA. TO STA.								



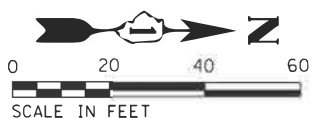
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		CONTRACT NO.: 62P93		
ILLINOIS		FED. AID PROJECT		



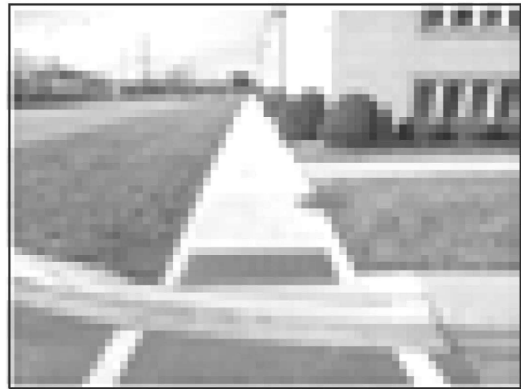
NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

LEGEND

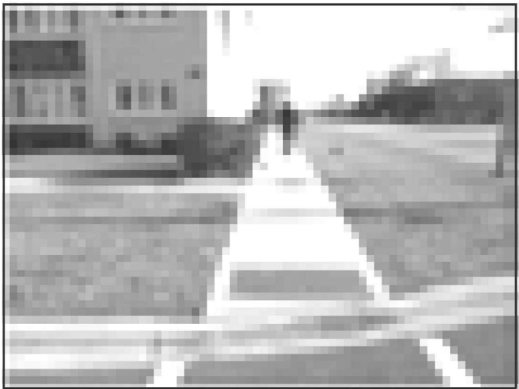
	DETECTABLE WARNING
	SIDEWALK REMOVAL
	NEW PCC SIDEWALK
	REMOVE AND REPLACE NEW PCC SIDEWALK
	REMOVE AND REPLACE SIDEWALK, (SPECIAL)
	ADA COMPLIANT GRATE
	UTILITY STRUCTURE TO BE ADJUSTED
	UTILITY STRUCTURE TO BE RELOCATED
	COMBINATION CONCRETE CURB AND GUTTER
	EXISTING R.O.W. LINE
	SINGLE POST SIGN
	ABOVE GROUND SPLICE BOX
	CONTROLLER BOX
	FIRE HYDRANT
	GUY POLE
	HANDHOLE
	LIGHT STANDARD
	MANHOLE
	POWER LINE
	TELEPHONE
	TRAFFIC SIGNAL
	VEGETATION OUTLINE
	SINGLE TREE OR BUSH



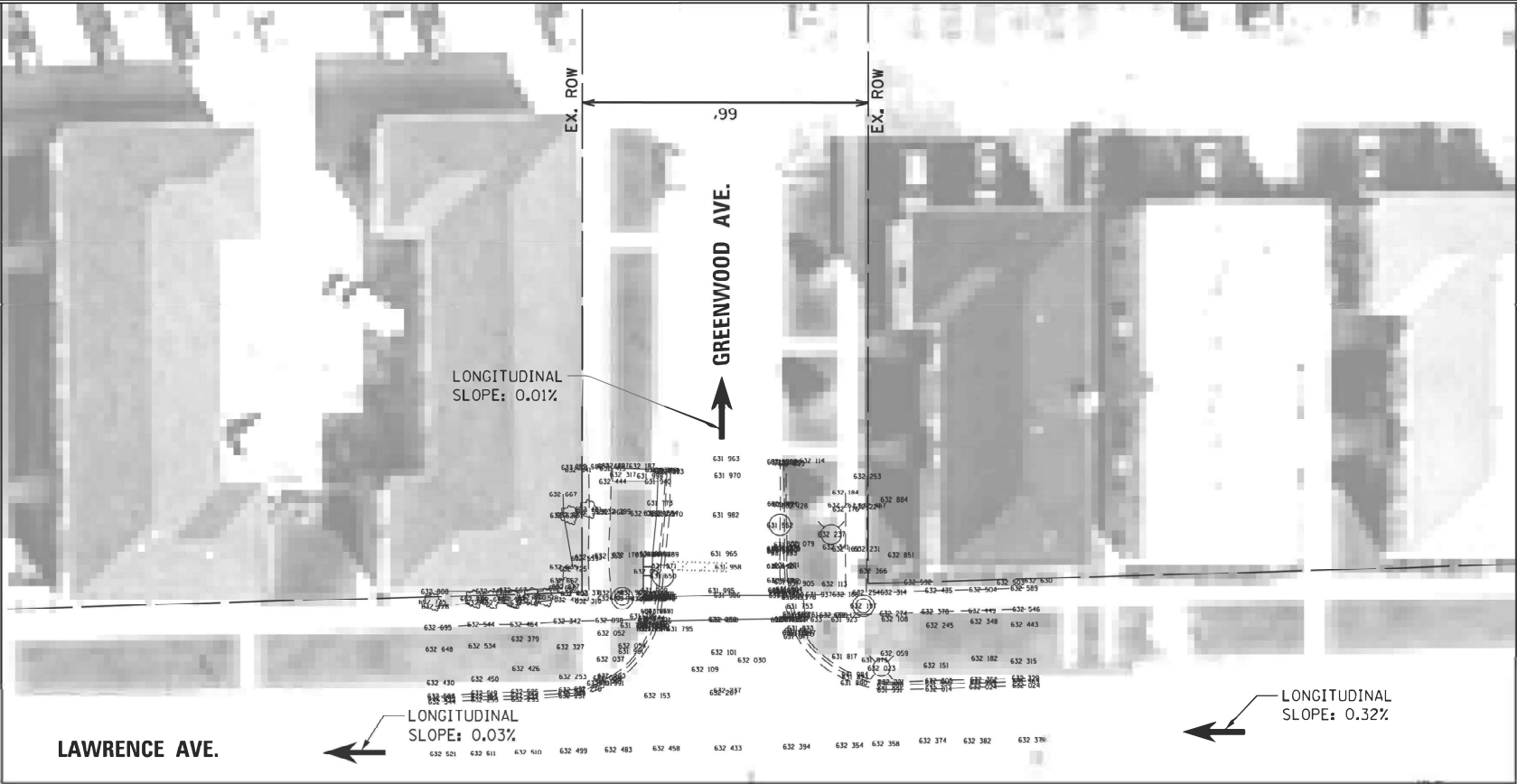
CROSS-REFERENCE NOTES:					STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME =		USER NAME = Phillip.Steed	DESIGNED *	REVISED *		VAR.	2021-172-SW	COOK	110	47	CONTRACT NO.: 62P93				
pwt:/ildot-pw.bentley.com/PWDOT/Documents/		1/007 Offices/District 1/ORD Projects/PI263526/	5/24/2025	5/24/2025											
PLOT SCALE = \$SCALE\$		CHECKED *	REVISED *												
PLOT DATE = 3/30/2025		DATE *	REVISED *												
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.					



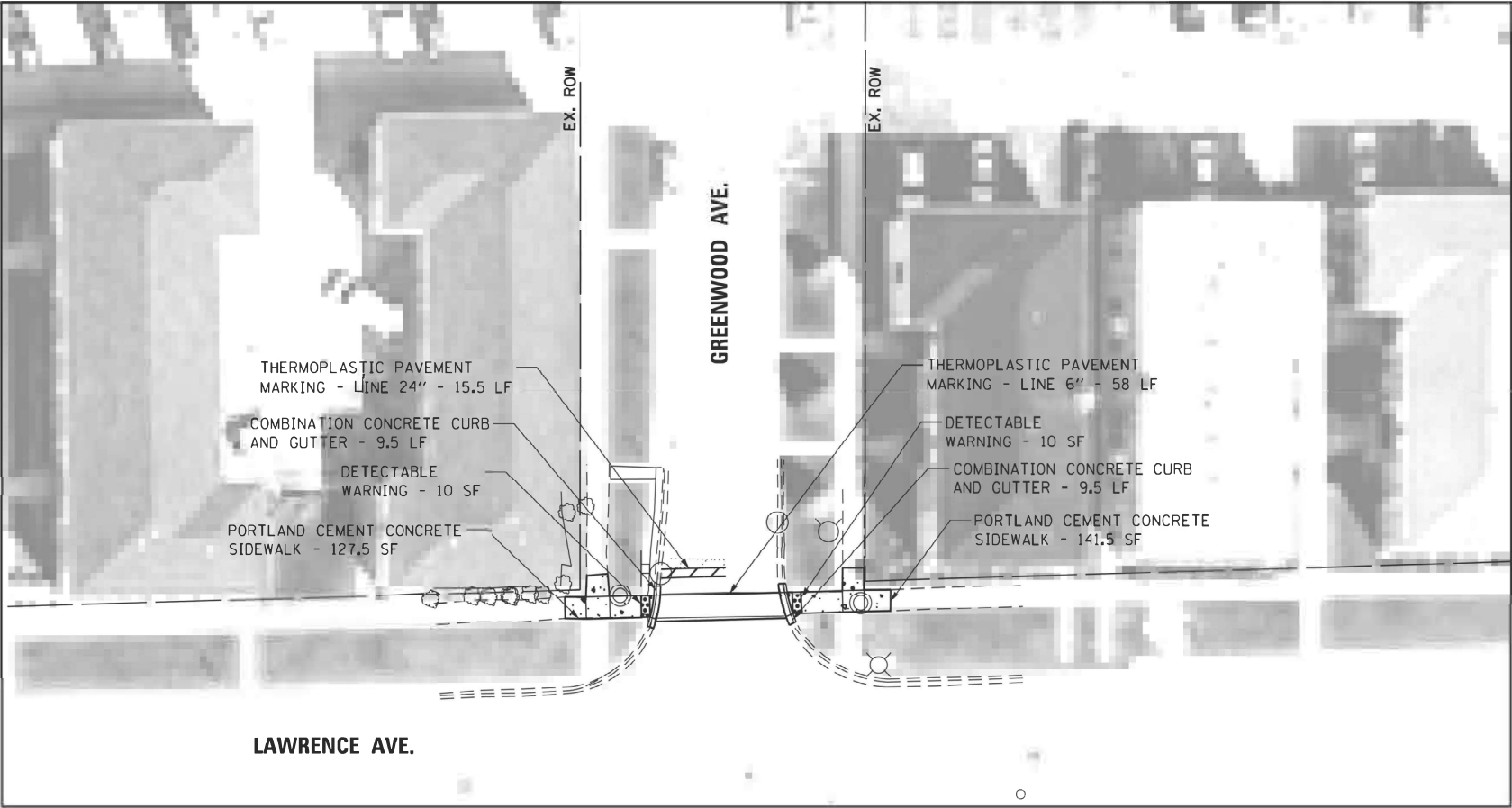
NORTHWEST CORNER



NORTHEAST CORNER



EXISTING



PROPOSED

LEGEND

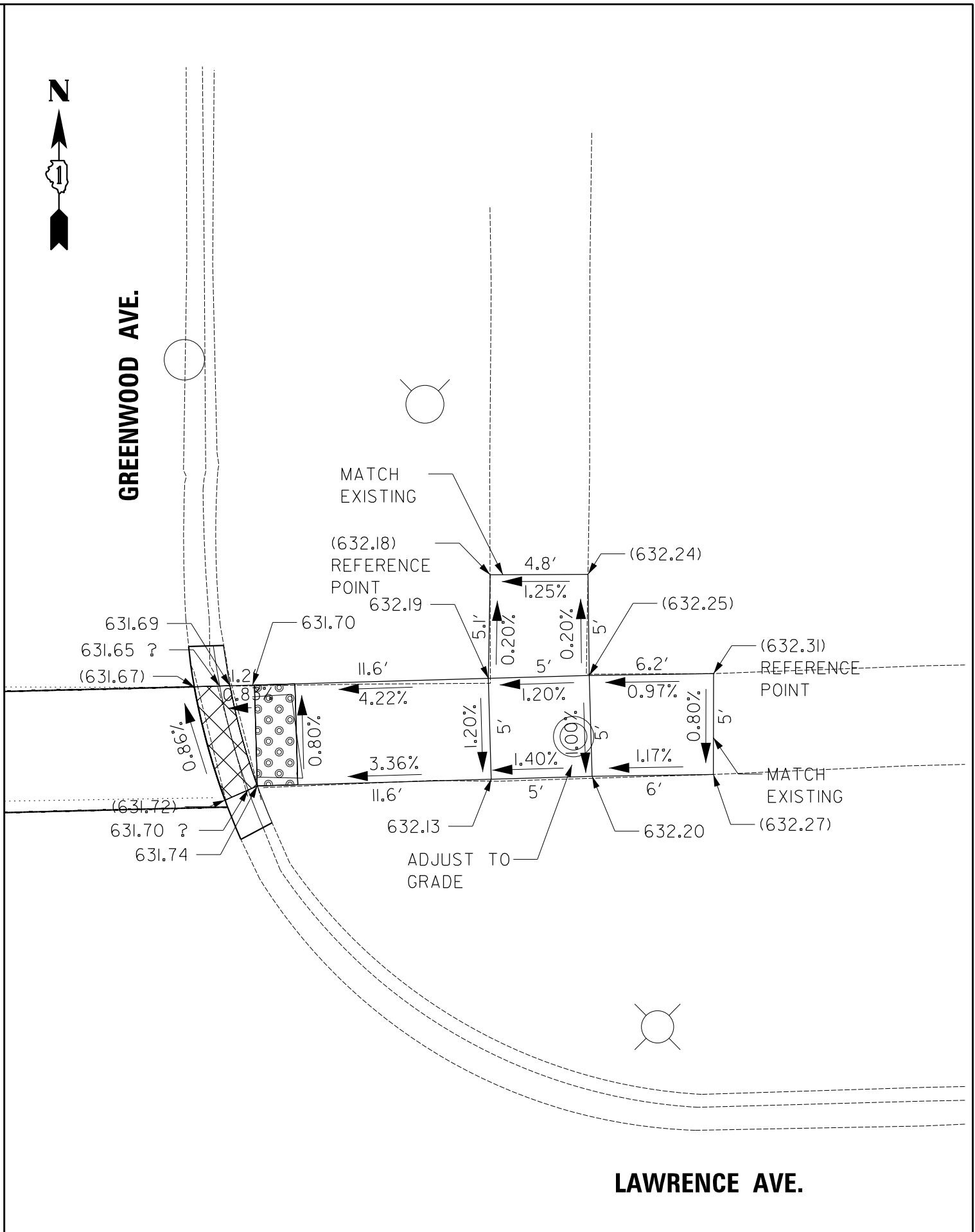
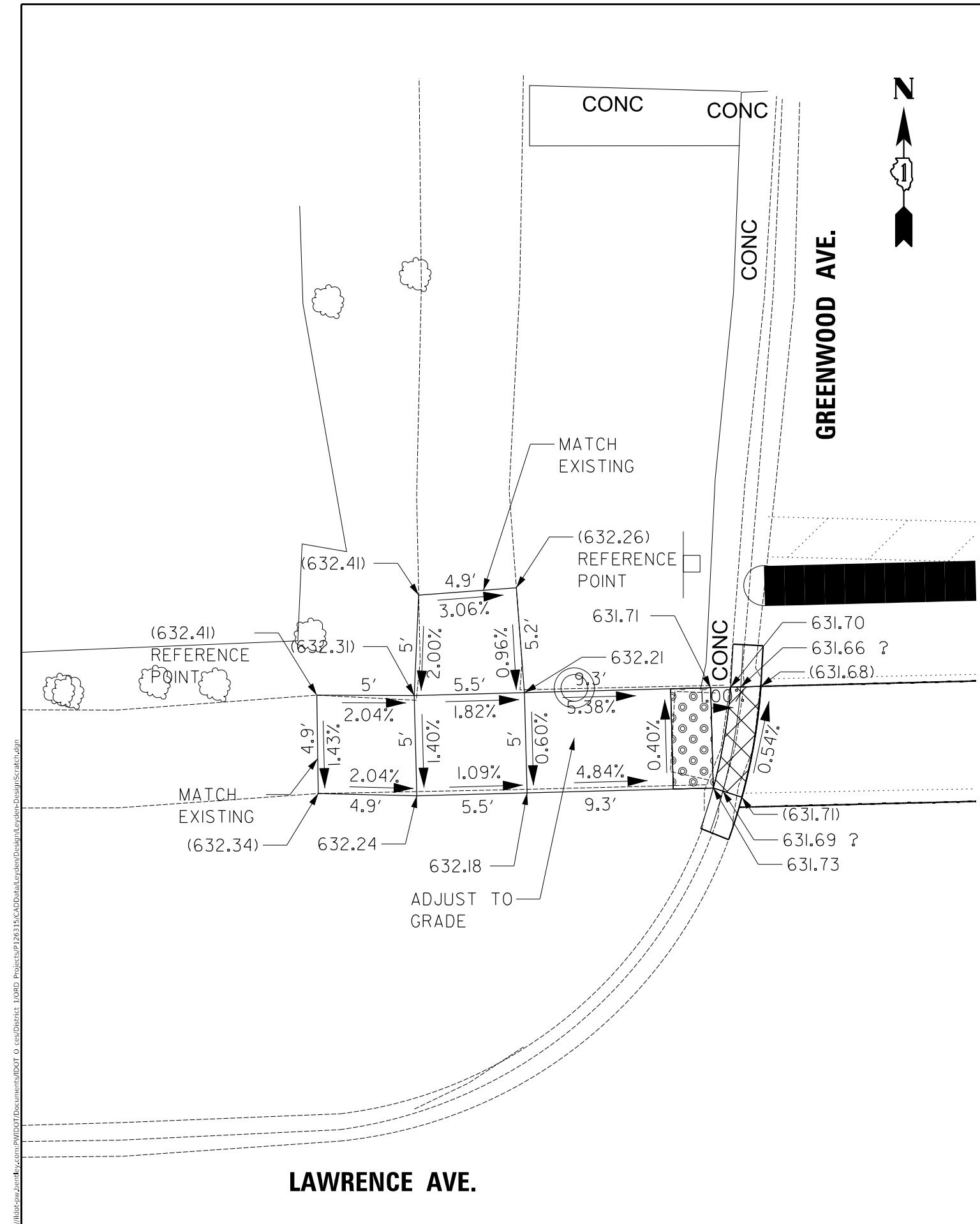
- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- REMOVE AND REPLACE SIDEWALK, (SPECIAL)
- ADA COMPLIANT GRATE
- UTILITY STRUCTURE TO BE ADJUSTED
- UTILITY STRUCTURE TO BE RELOCATED
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH



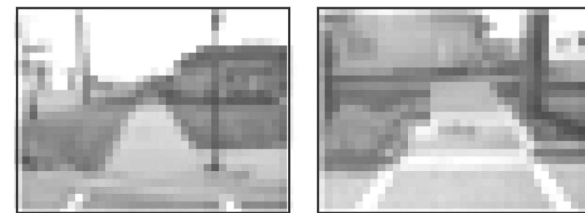
NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = Phillip.Steed	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt://ildot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/District I/ORD Projects/PJ263526/Drawings/Leyden/Design/Leyden-Design-Sc		CHECKED -	REVISED -			VAR.	2021-172-SW	COOK	110	49
	PLOT SCALE = \$SCALE\$	DATE -	REVISED -			CONTRACT NO.: 62P93				
	PLOT DATE = 3/30/2025					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	

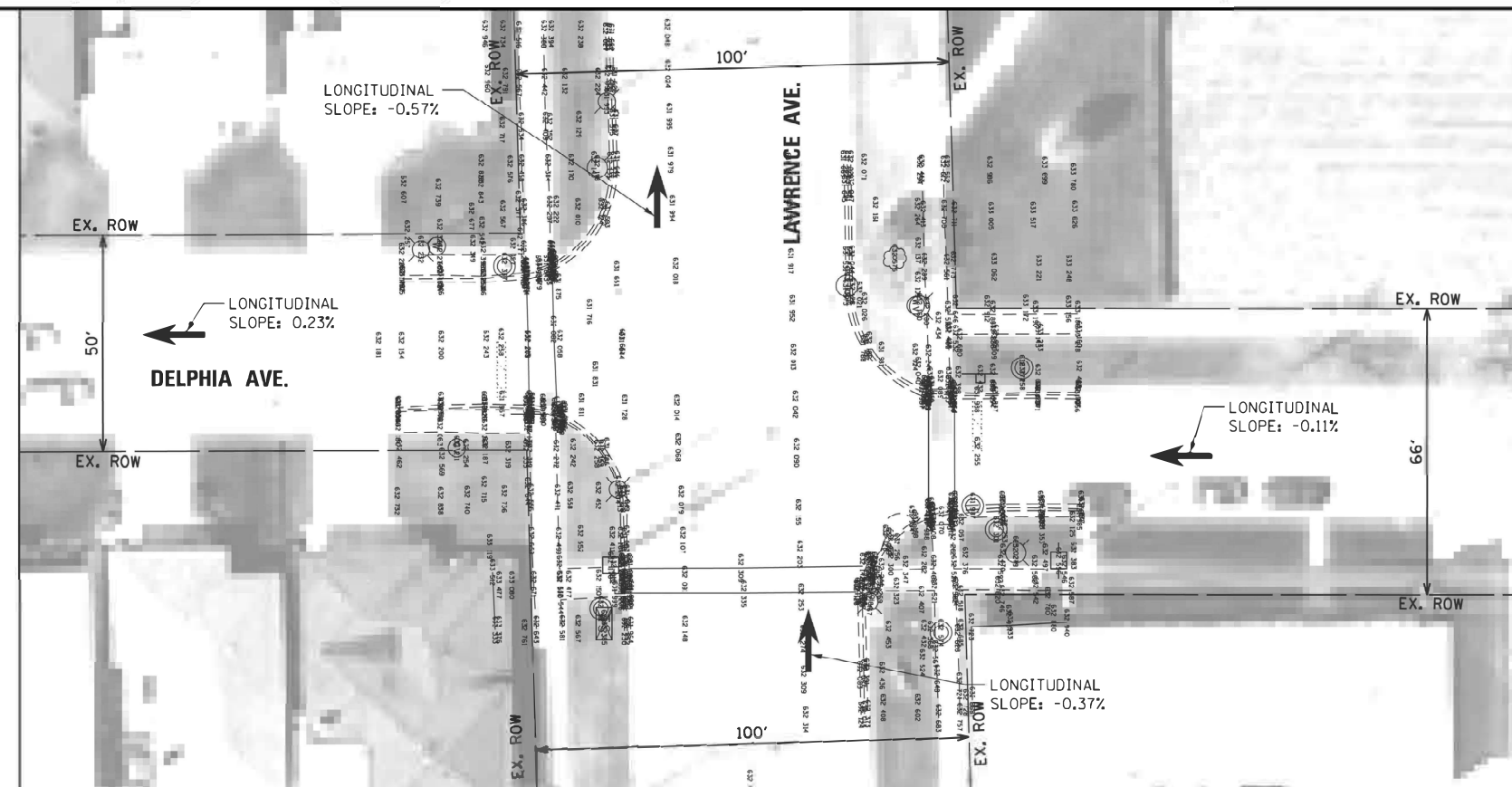
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Leyden-DesignScratch.dgn 9/3/2025 12:40:08 PM User=Phillip.Steed



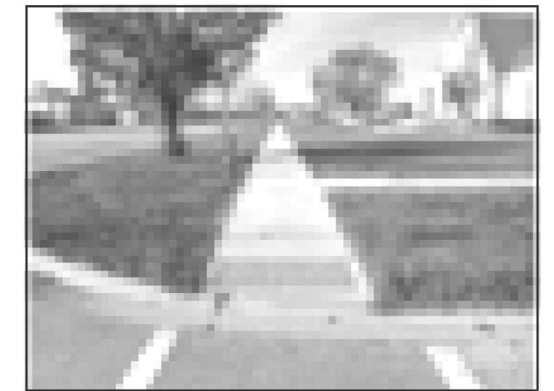
MODEL: Defraco FILE NAME: 002	USER NAME = Phillip.Steed	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR.	2021-172-SW	COOK	110	50
	PLOT SCALE = 40,000 ' / in.	CHECKED -	REVISED -						CONTRACT NO.: 62P93				
	PLOT DATE = 9/3/2025	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
	SCALE:				SHEET	OF	SHEETS	STA.	TO STA.				



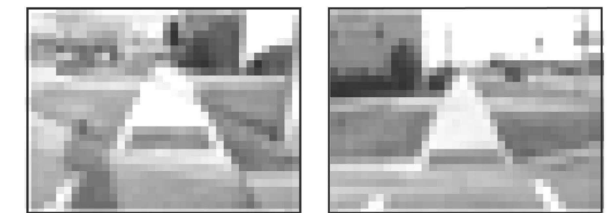
SOUTHEAST CORNER



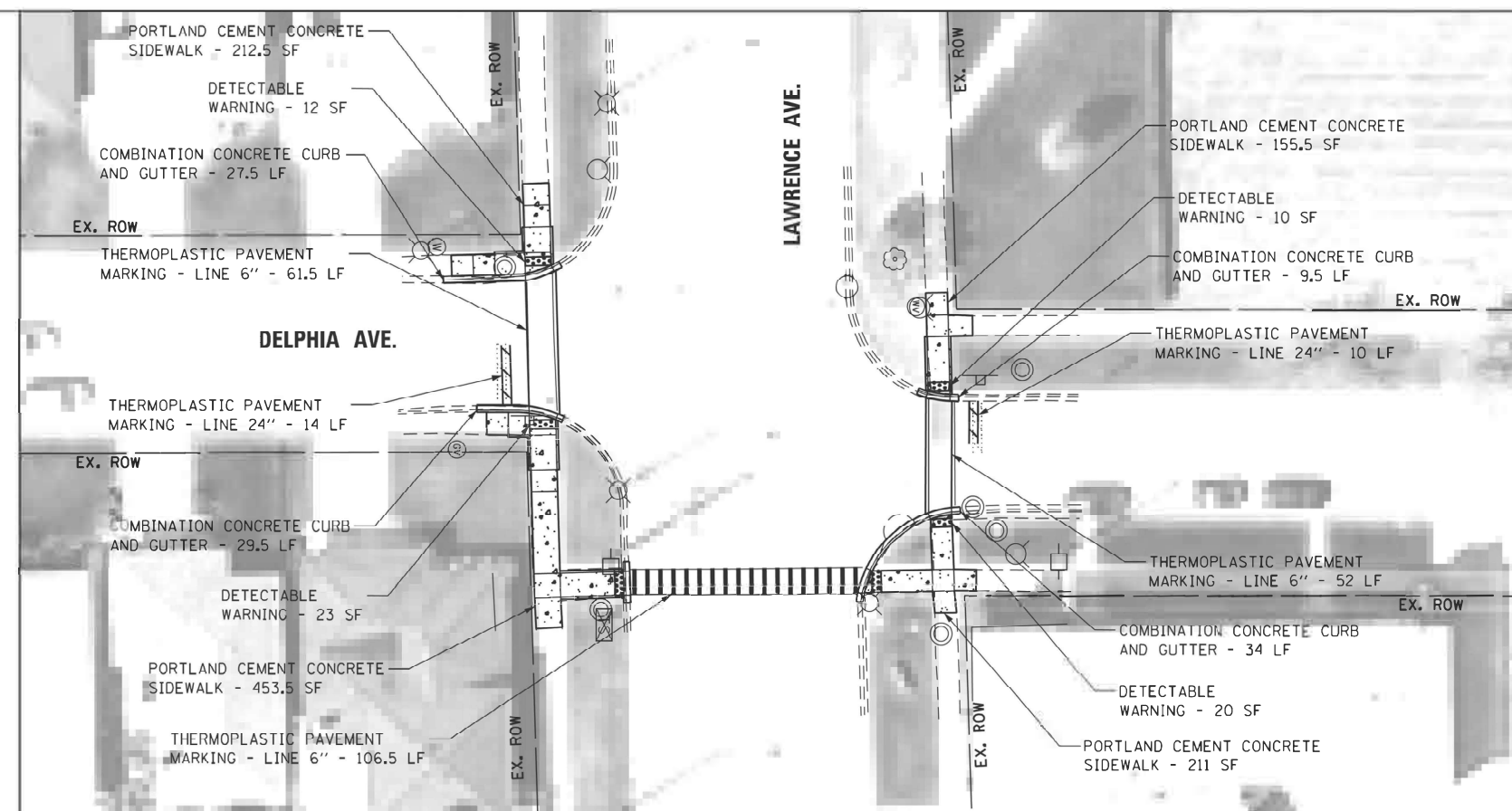
EXISTING



NORTHWEST CORNER



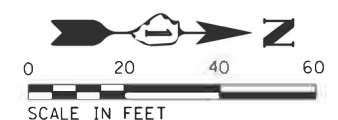
NORTHEAST CORNER



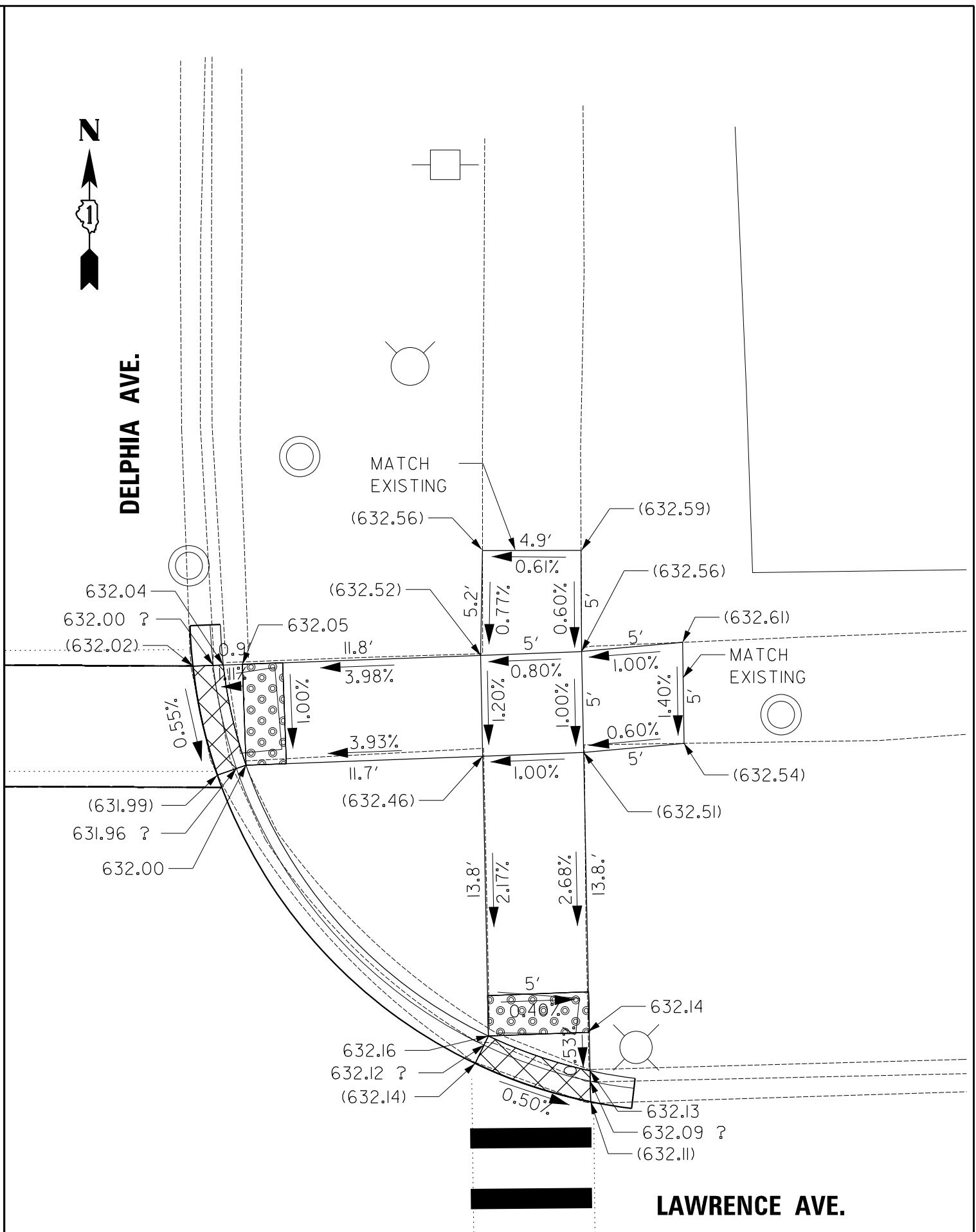
PROPOSED

NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

LEGEND	
	DETECTABLE WARNING
	SIDEWALK REMOVAL
	NEW PCC SIDEWALK
	REMOVE AND REPLACE NEW PCC SIDEWALK
	REMOVE AND REPLACE SIDEWALK, (SPECIAL)
	ADA COMPLIANT GRATE
	UTILITY STRUCTURE TO BE ADJUSTED
	UTILITY STRUCTURE TO BE RELOCATED
	COMBINATION CONCRETE CURB AND GUTTER
	EXISTING R.O.W. LINE
	SINGLE POST SIGN
	ABOVE GROUND SPLICE BOX
	CONTROLLER BOX
	FIRE HYDRANT
	GUY POLE
	HANDHOLE
	LIGHT STANDARD
	MANHOLE
	POWER LINE
	TELEPHONE
	TRAFFIC SIGNAL
	VEGETATION OUTLINE
	SINGLE TREE OR BUSH



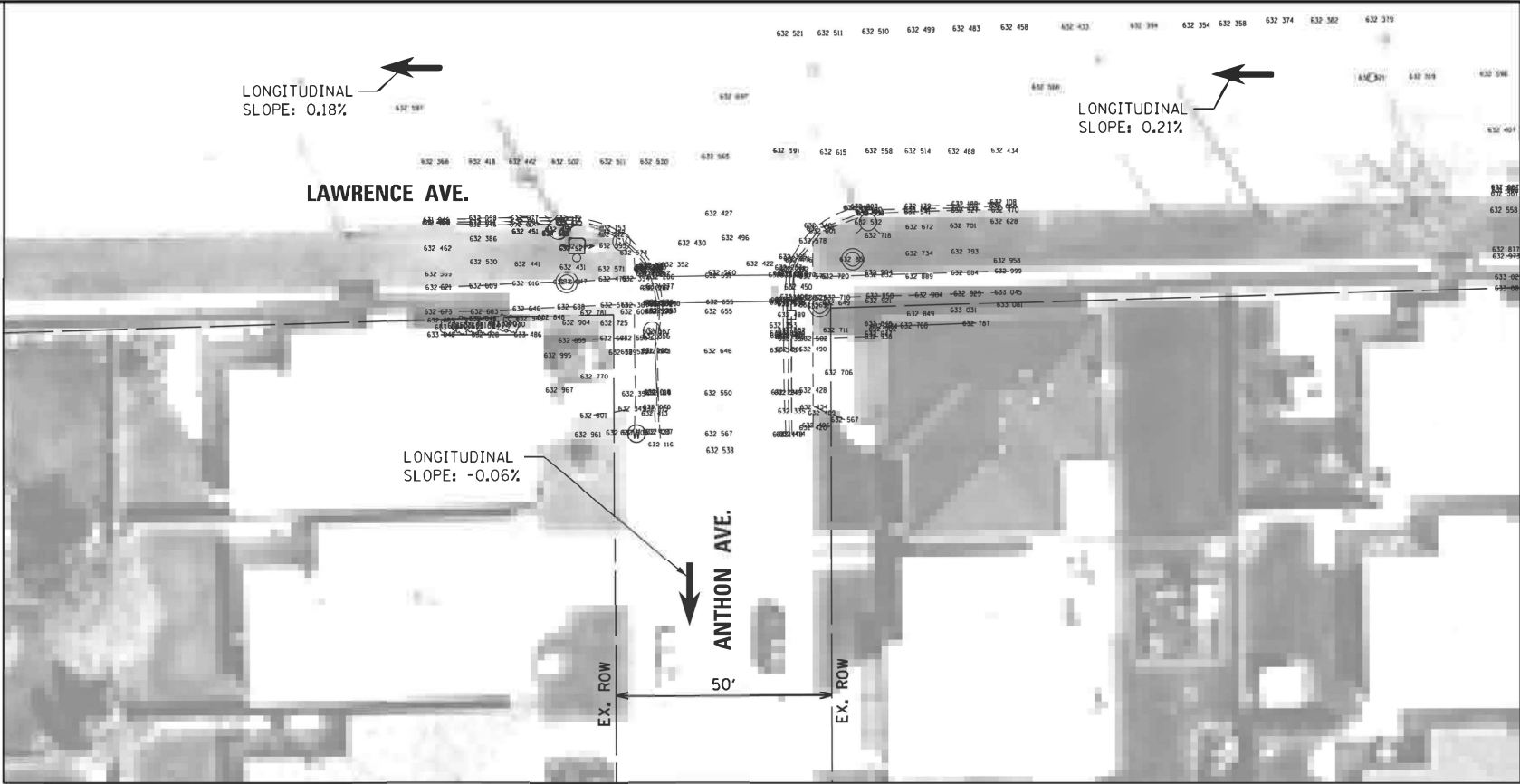
FILE NAME =		USER NAME = Phillip.Steed	DESIGNED *	REVISED *	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt:/sldot-pw.bentley.com/PWDOT/Documents/1DOT Offices/District 1/ORD Projects/PI263		50600100/Leysden/Design/Leysden-Design	REVISED *			VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)				VAR.	2021-172-SW	COOK	110	51
PLOT SCALE = #SCALE#		CHECKED *	REVISED *							CONTRACT NO.: 62P93				
PLOT DATE = 3/30/2025		DATE *	REVISED *							ILLINOIS FED. AID PROJECT				
						SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			



FILE NAME: D:\2025\172-SW\172-SW.dwg	USER NAME = Phillip.Steed	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			VAR.	2021-172-SW	COOK	110	52	
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	PLOT DATE = 9/3/2025	DATE -	REVISED -								
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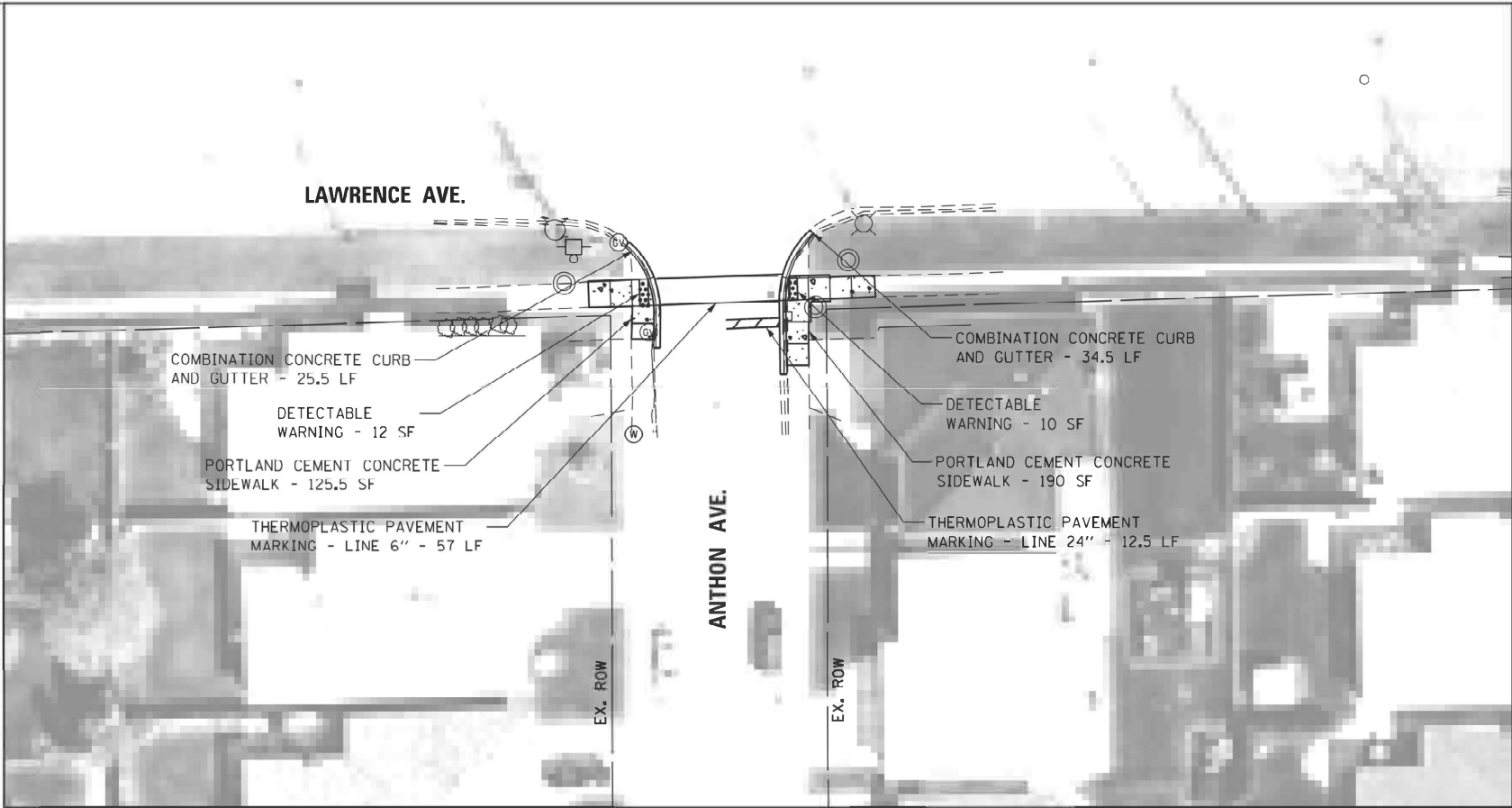
SOUTHWEST CORNER



EXISTING



SOUTHEAST CORNER



PROPOSED

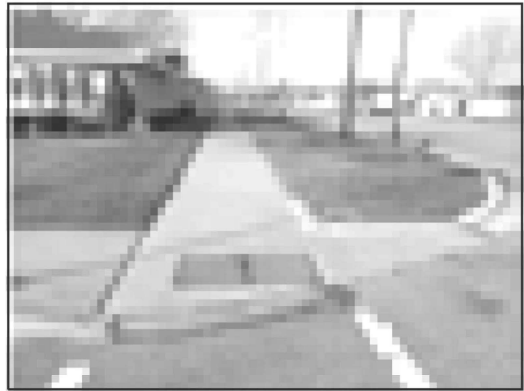
LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- REMOVE AND REPLACE SIDEWALK, (SPECIAL)
- ADA COMPLIANT GRATE
- UTILITY STRUCTURE TO BE ADJUSTED
- UTILITY STRUCTURE TO BE RELOCATED
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH



NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

FILE NAME = pwt://idot-pw.bentley.com/PWIDOT/Documents/	USER NAME = Phillip.Steed	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	/IDOT Offices/District 1/GRD Projects/PL183502001/Leyden/Design/Leyden-DesignSch	CHECKED	REVISED			VAR.	2021-172-SW	COOK	110	54
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	PLOT DATE = 3/30/2025	DATE	REVISED			ILLINOIS FED. AID PROJECT				
SCALE:		SHEET	OF			SHEETS	STA.	TO STA.		



SOUTHWEST CORNER



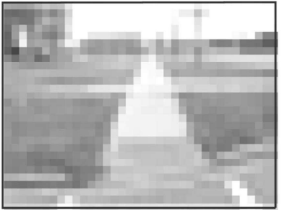
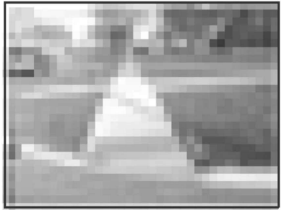
SOUTHEAST CORNER



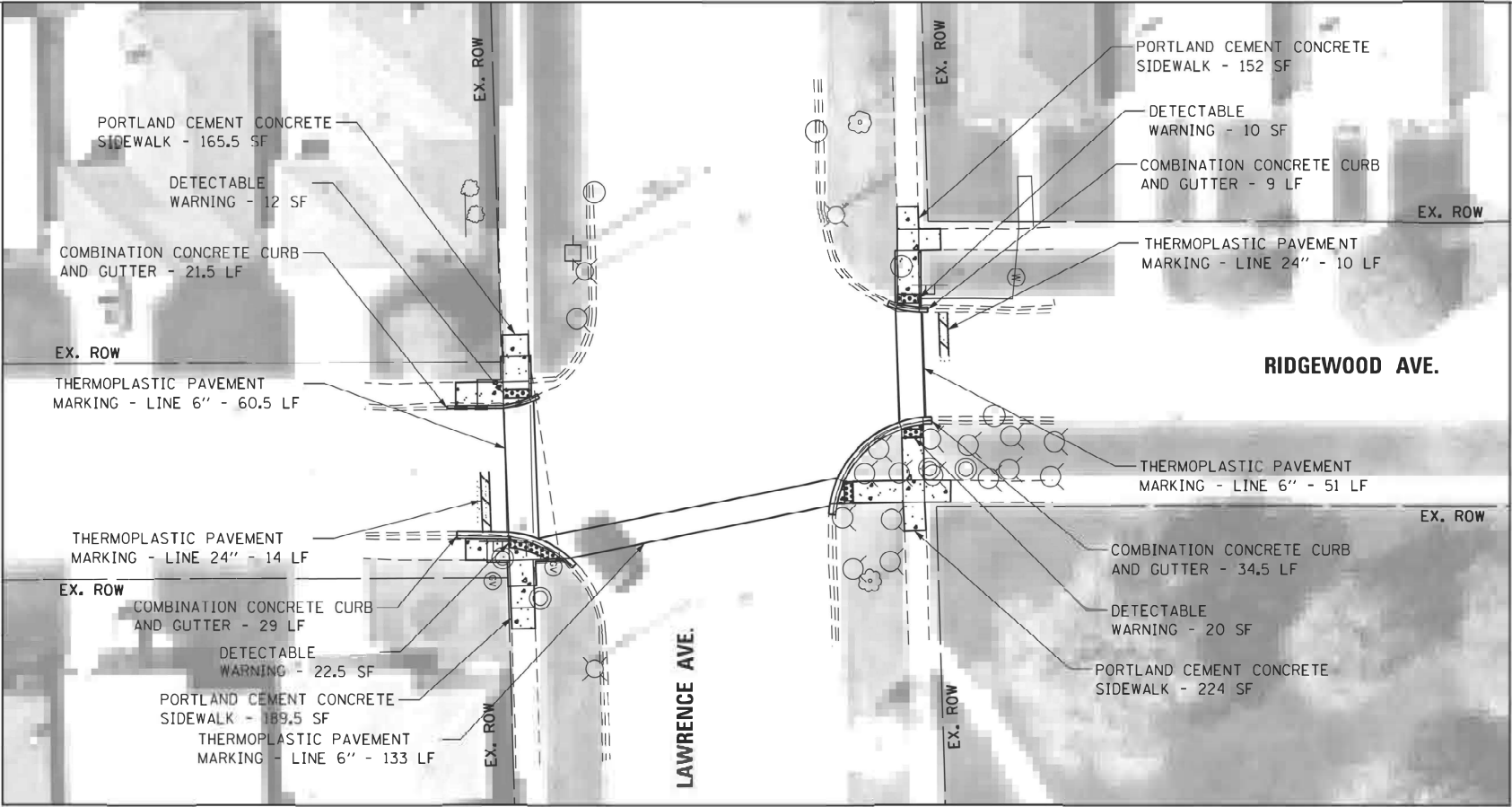
EXISTING



NORTHWEST CORNER



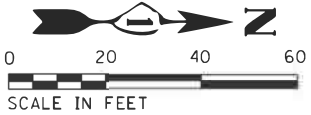
NORTHEAST CORNER



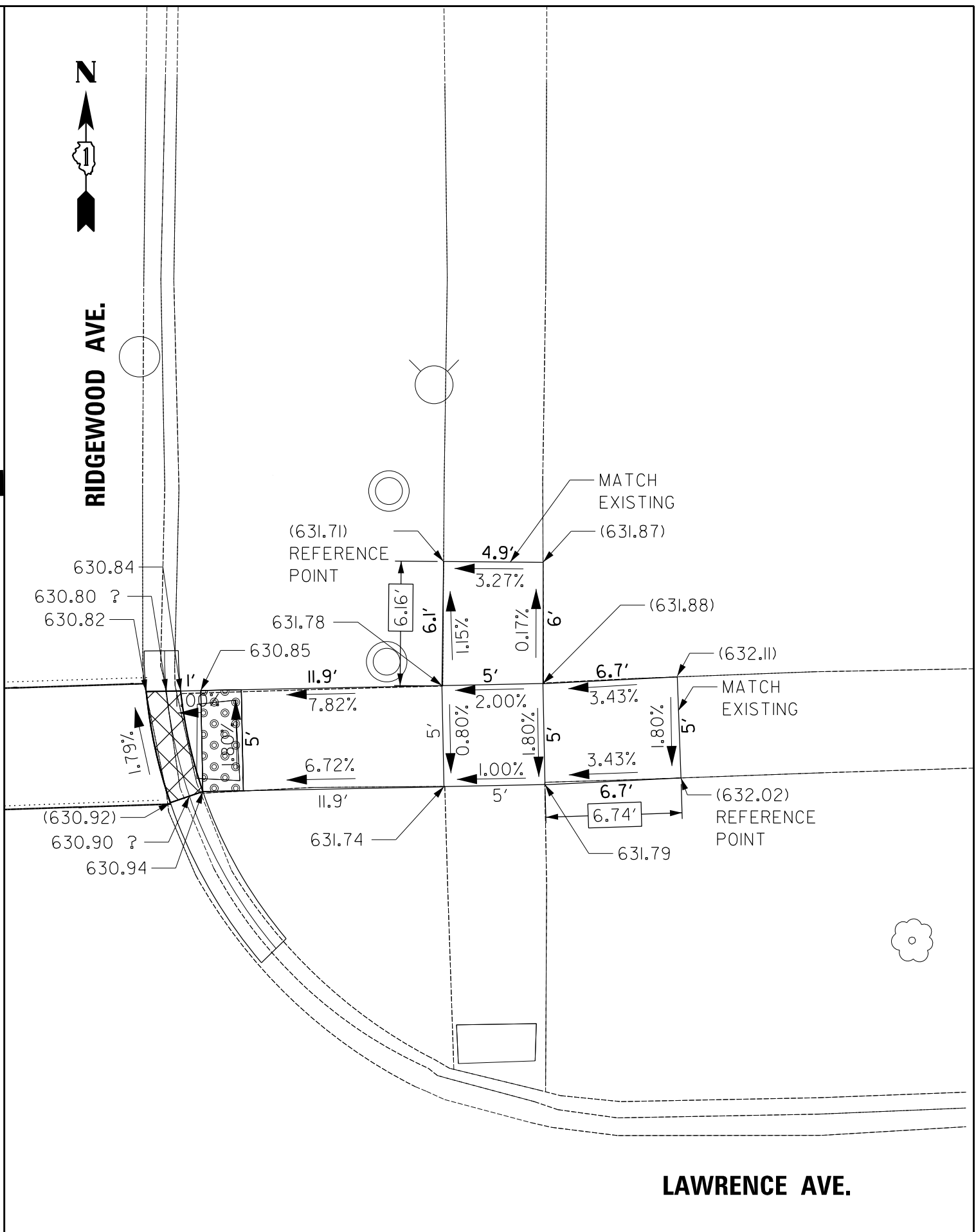
PROPOSED

NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

- LEGEND**
- DETECTABLE WARNING
 - SIDEWALK REMOVAL
 - NEW PCC SIDEWALK
 - REMOVE AND REPLACE NEW PCC SIDEWALK
 - REMOVE AND REPLACE SIDEWALK, (SPECIAL)
 - ADA COMPLIANT GRATE
 - UTILITY STRUCTURE TO BE ADJUSTED
 - UTILITY STRUCTURE TO BE RELOCATED
 - COMBINATION CONCRETE CURB AND GUTTER
 - EXISTING R.O.W. LINE
 - SINGLE POST SIGN
 - ABOVE GROUND SPLICE BOX
 - CONTROLLER BOX
 - FIRE HYDRANT
 - GUY POLE
 - HANDHOLE
 - LIGHT STANDARD
 - MANHOLE
 - POWER LINE
 - TELEPHONE
 - TRAFFIC SIGNAL
 - VEGETATION OUTLINE
 - SINGLE TREE OR BUSH



FILE NAME = p:\11dot-pw.bentley.com\PI\DOT\Documents\11DOT Offices\District 1\DRD Projects\P126350\RAW\to/Leyden/Design/Leyden-DesignSet	USER NAME = Phillip.Steed	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE = *SCALE*	CHECKED =	REVISED =			VAR.	2021-172-SW	COOK	110	56		
	PLOT DATE = 3/31/2025	DATE =	REVISED =									
	SCALE: SHEET OF SHEETS STA. TO STA.					ILLINOIS FED. AID PROJECT						
					CONTRACT NO.: 62P93							



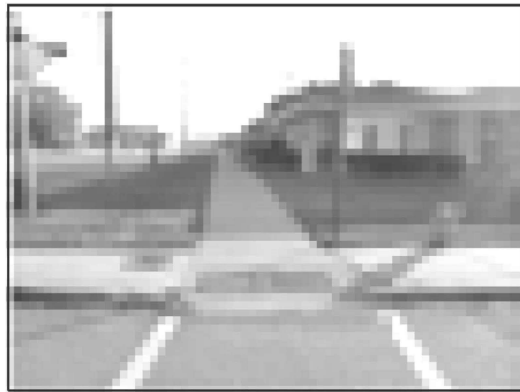
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		DRAWN -	REVISED -			VAR.	2021-172-SW	COOK	110	57
	PLOT SCALE = 40.000 ' / in.	CHECKED -	REVISED -			CONTRACT NO.: 62P93				
	PLOT DATE = 9/3/2025	DATE -	REVISED -							
						SCALE:	SHEET	OF	SHEETS	STA.

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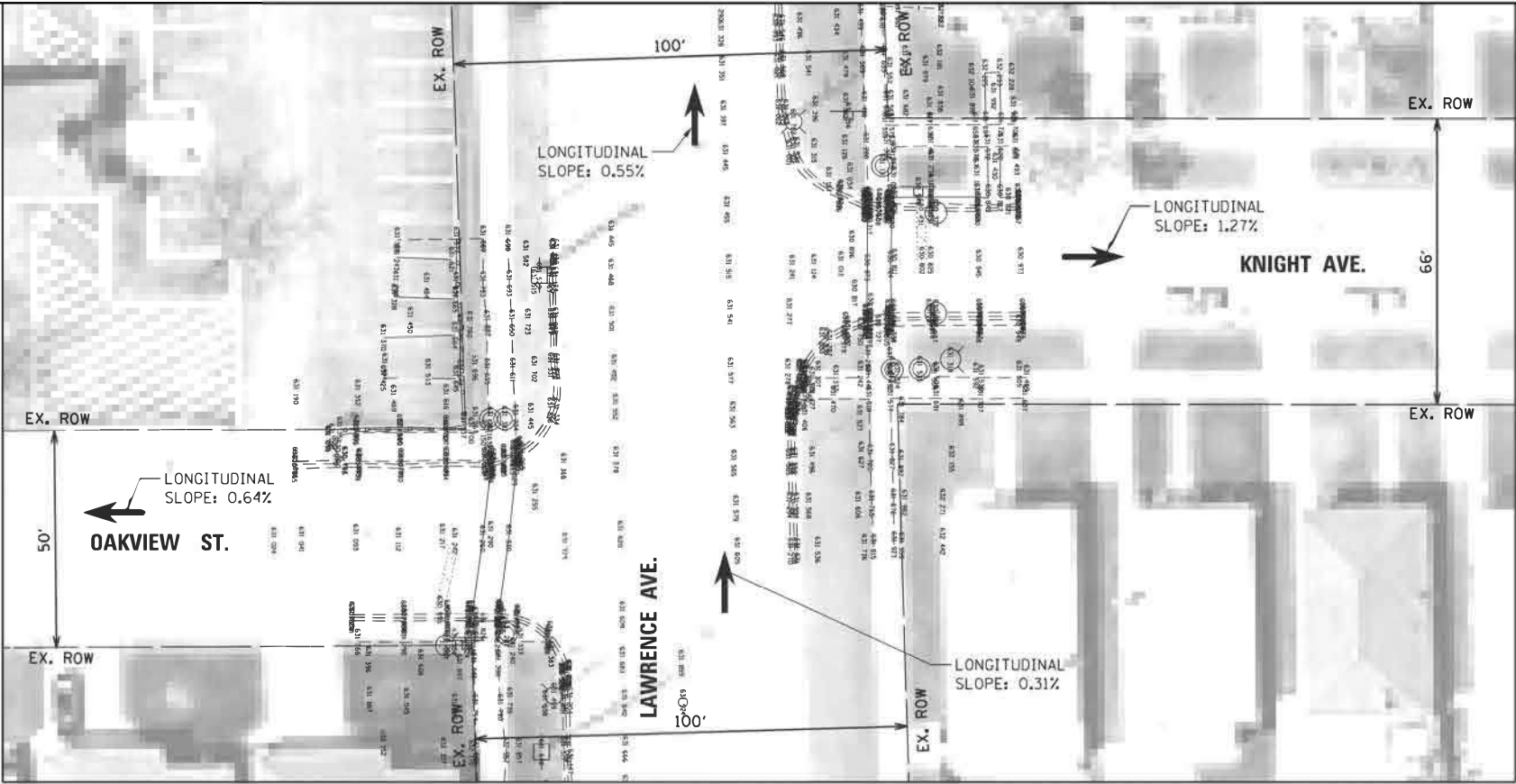
FILE NAME: DWG	USER NAME = Phillip.Steed	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	F.A.U. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR.	2021-172-SW	COOK	110	58	
	PLOT SCALE = 40,000 ' / in.	CHECKED -	REVISED -			CONTRACT NO.: 62P93					
	PLOT DATE = 9/3/2025	DATE -	REVISED -								
	SCALE:					SHEET	OF	SHEETS	STA.	TO STA.	



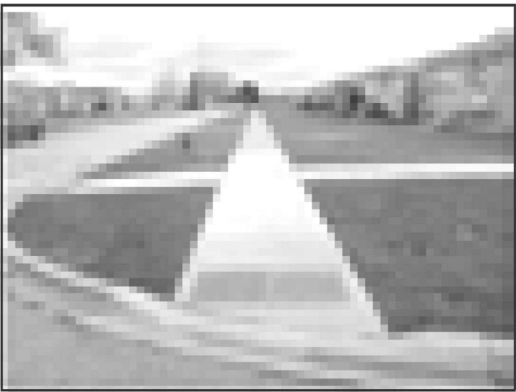
SOUTHWEST CORNER



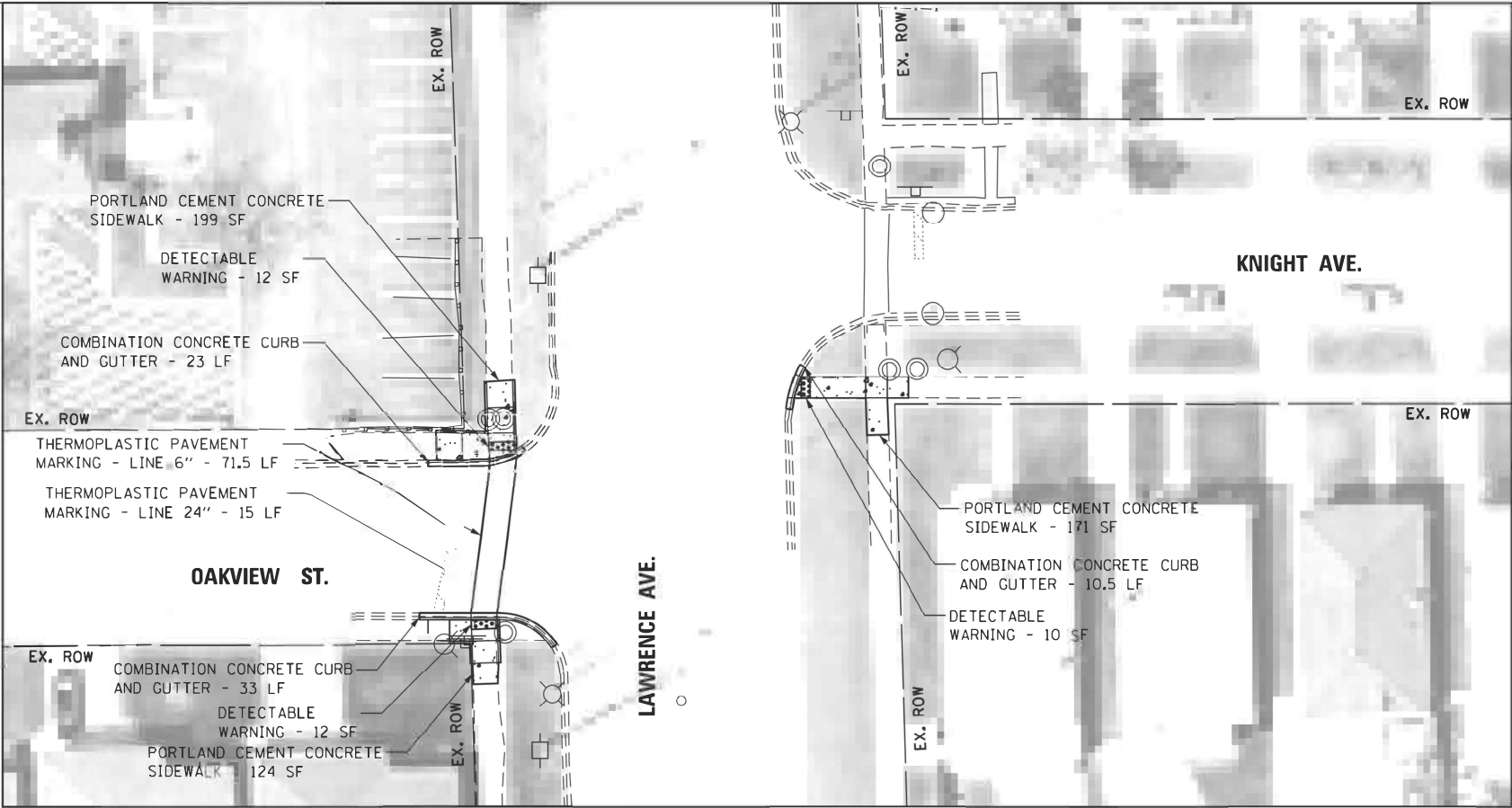
SOUTHEAST CORNER



EXISTING



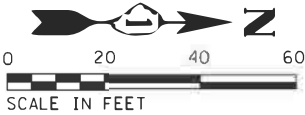
NORTHEAST CORNER



PROPOSED

LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- REMOVE AND REPLACE SIDEWALK, (SPECIAL)
- ADA COMPLIANT GRATE
- UTILITY STRUCTURE TO BE ADJUSTED
- UTILITY STRUCTURE TO BE RELOCATED
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH



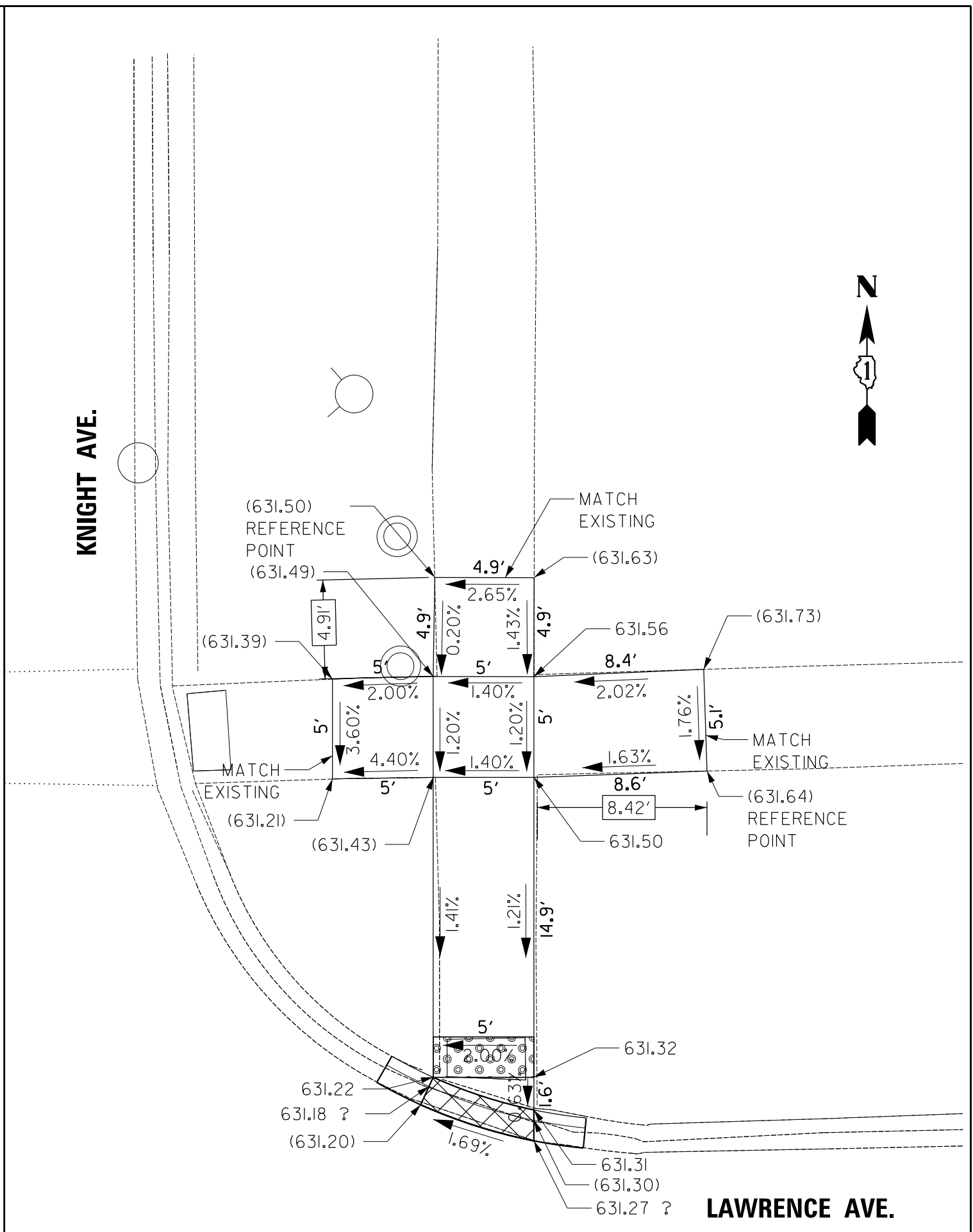
NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

FILE NAME = pw://idot-pw.bentley.com/PWIDOT/Documents/IDOT Offices/District 1/DRD Projects/P126350/DRD/Leyden/Design/Leyden-Design/	USER NAME = Phillip.Steed	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1"=40'	CHECKED	REVISED			VAR.	2021-172-SW	COOK	110	59
	PLOT DATE = 3/31/2025	DATE	REVISED			CONTRACT NO.: 62P93				
	SCALE: SHEET OF SHEETS STA. TO STA.					ILLINOIS FED. AID PROJECT				

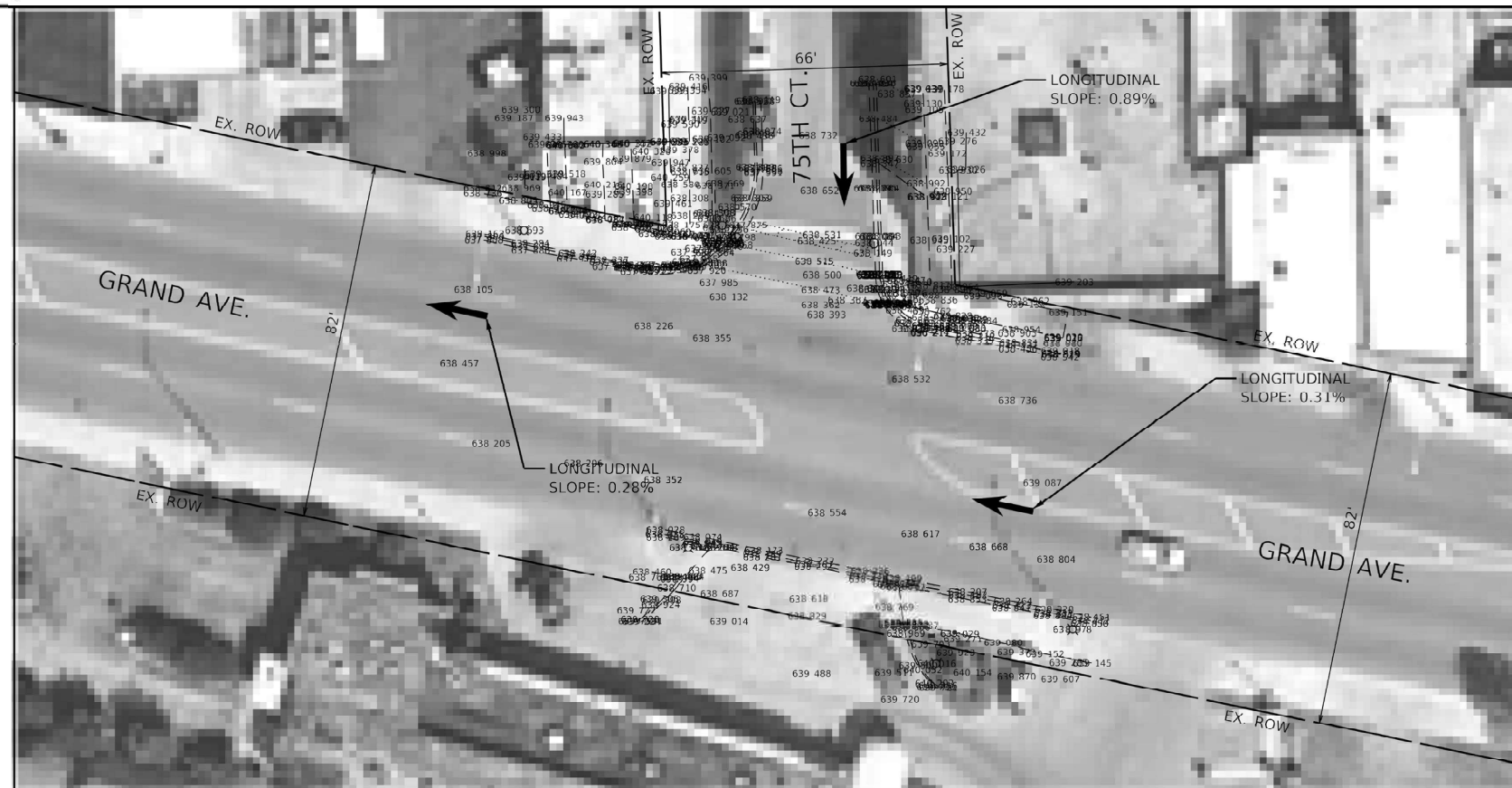
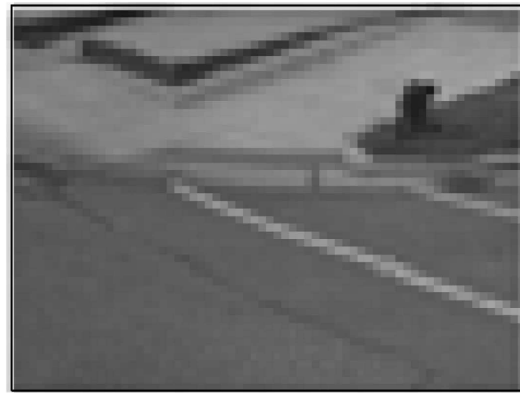


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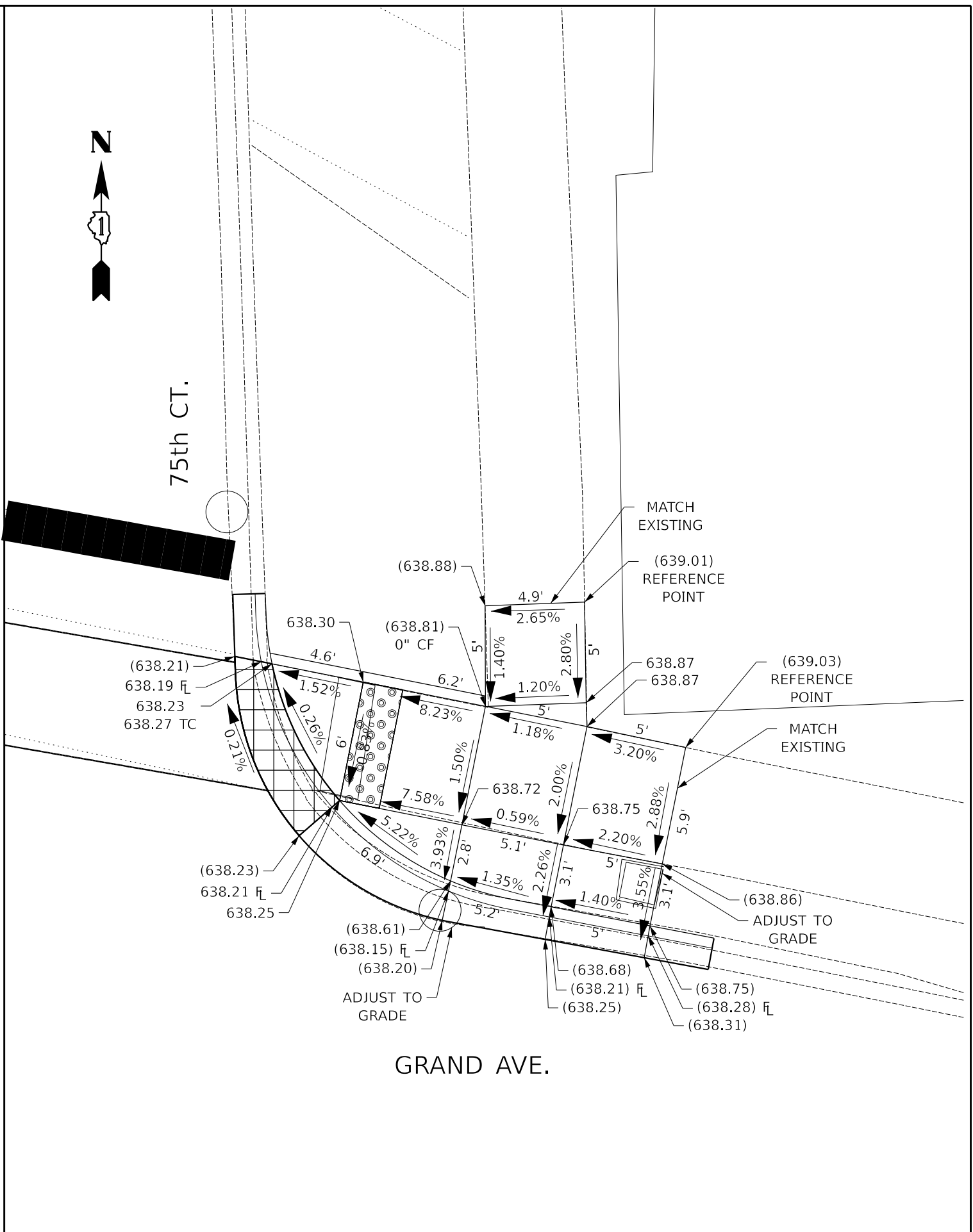
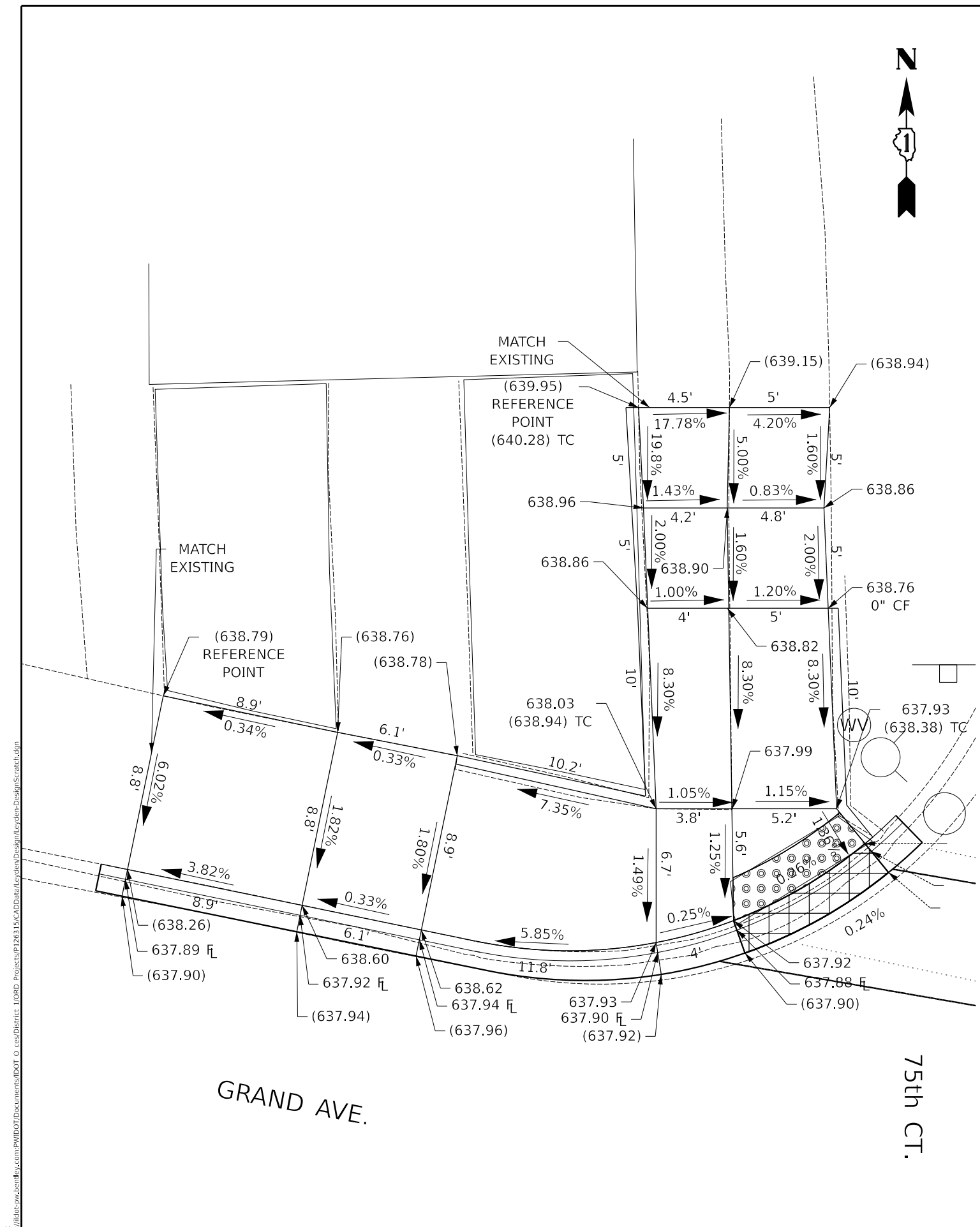
	USER NAME = Phillip.Steed	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)	SCALE: SHEET OF SHEETS STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				VAR.	2021-172-SW	COOK	110	61
	PLOT SCALE = 40,000 ' / in.	CHECKED -	REVISED -				CONTRACT NO.: 62P93				
	PLOT DATE = 9/3/2025	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				



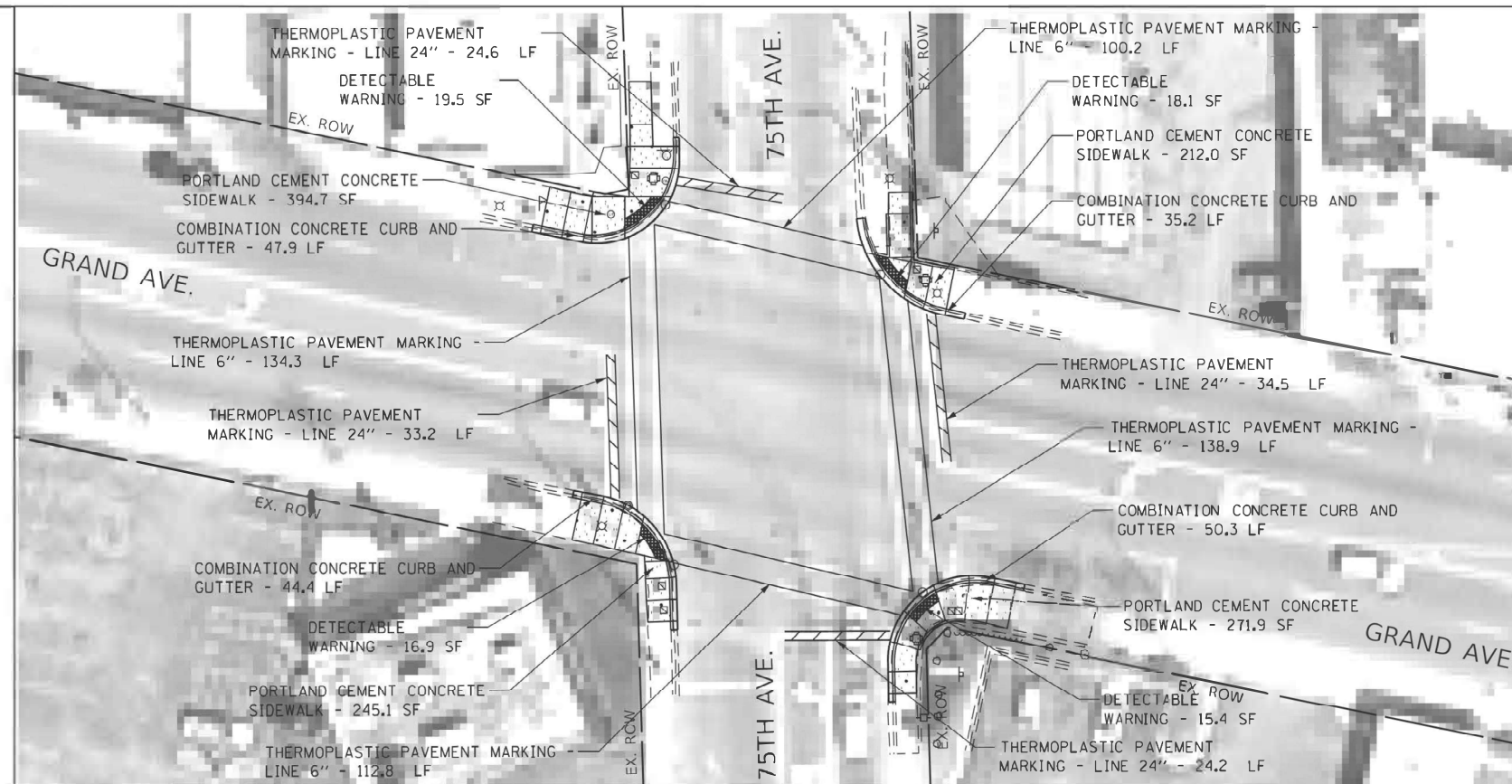
NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

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PLOT SCALE = *SCALE*	CHECKED *	REVISED *	REVISED *			CONTRACT NO.: 62P93				
PLOT DATE = 3/31/2025	DATE *	REVISED *	REVISED *			ILLINOIS FED. AID PROJECT				
SCALE:				SHEET	OF	SHEETS	STA.	TO STA.		

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PROJECT: 172-172-SW
DESIGNER: Phillip Steed
DATE: 9/3/2025



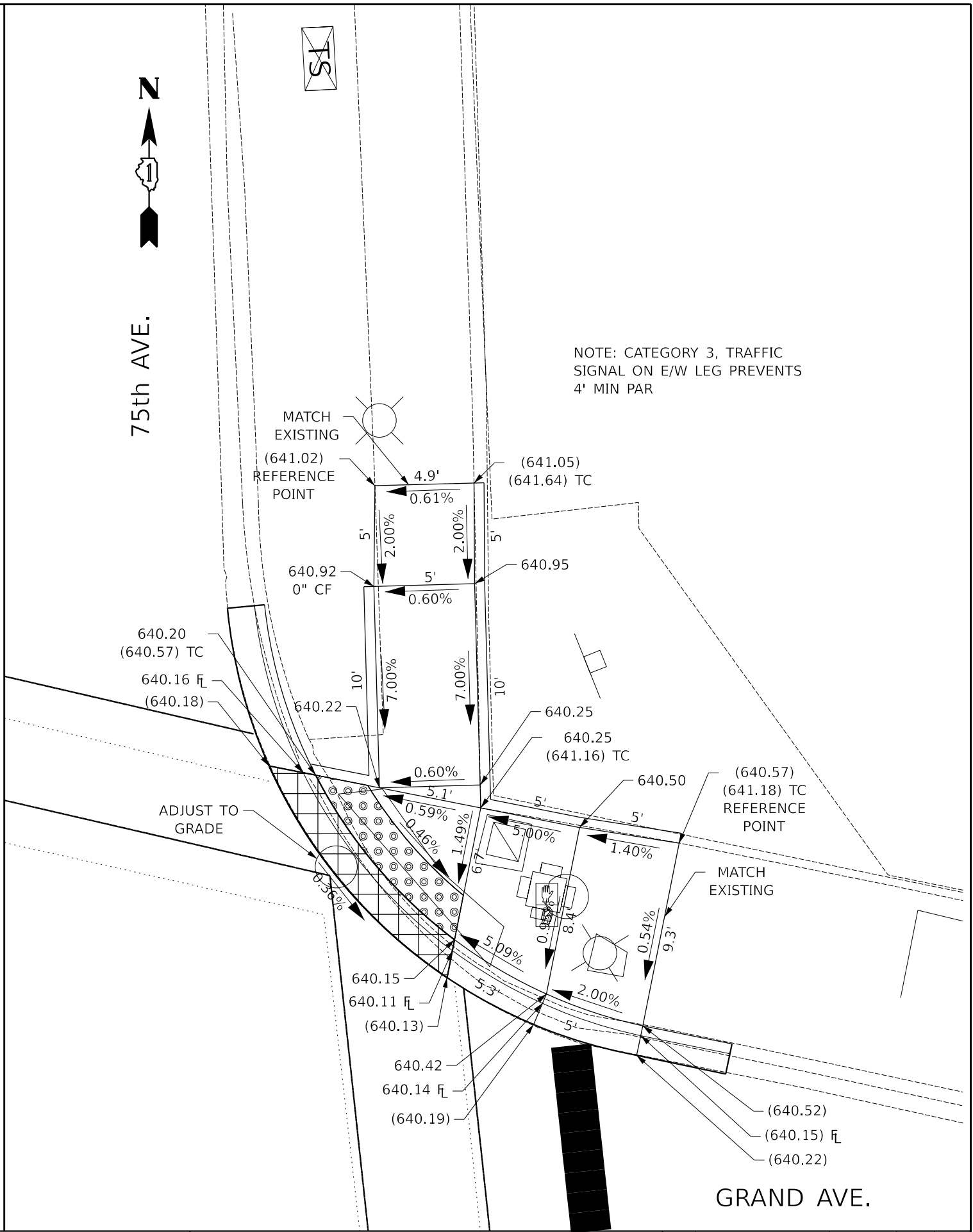
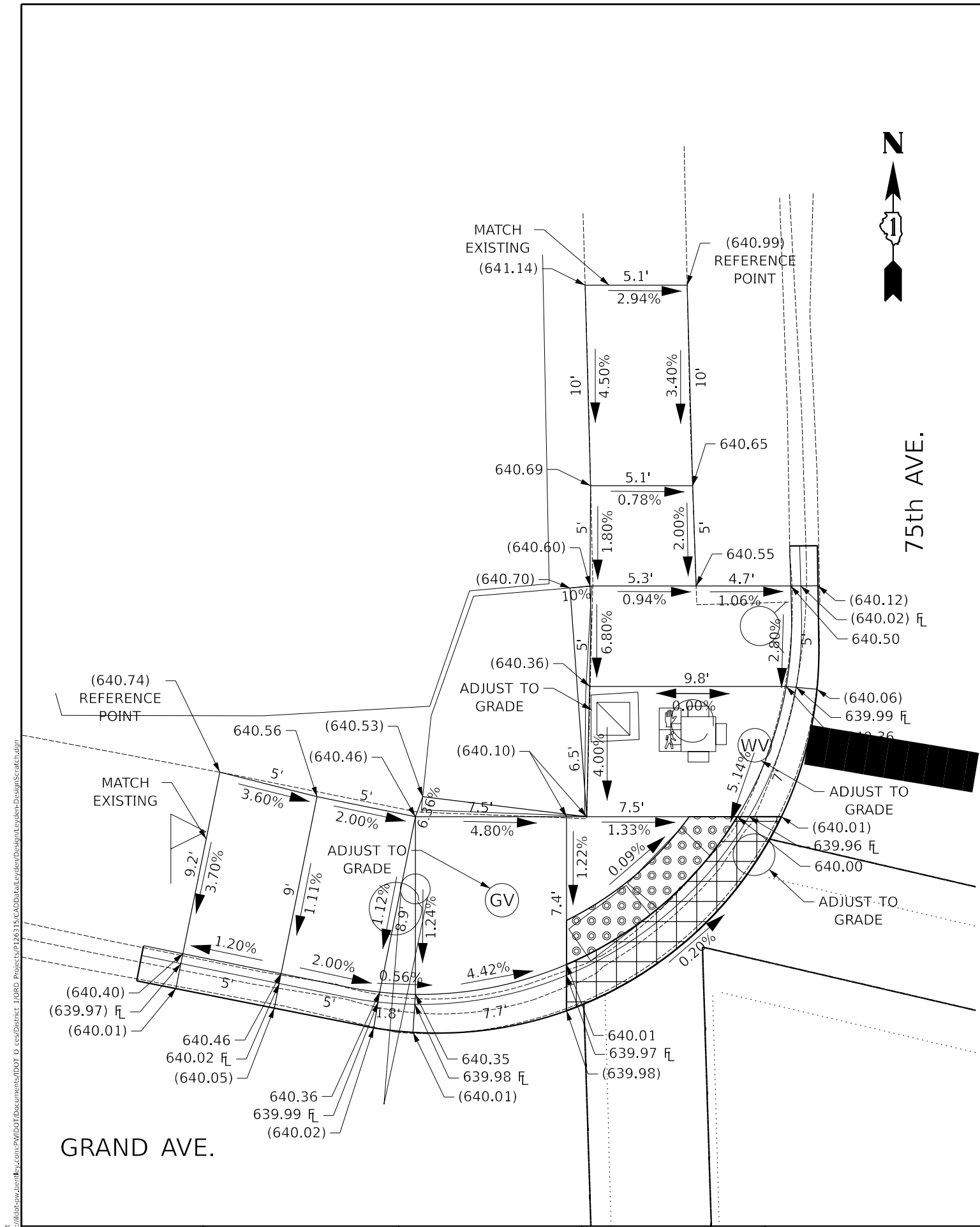
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)				F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. VAR. 2021-172-SW COOK 110 66 CONTRACT NO.: 62P93			
SCALE: SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT							



NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND
AN INTERSECTION IS TO BE INSTALLED
ACCORDING TO THE EXISTING CURB RADIUS
UNLESS OTHERWISE NOTED.

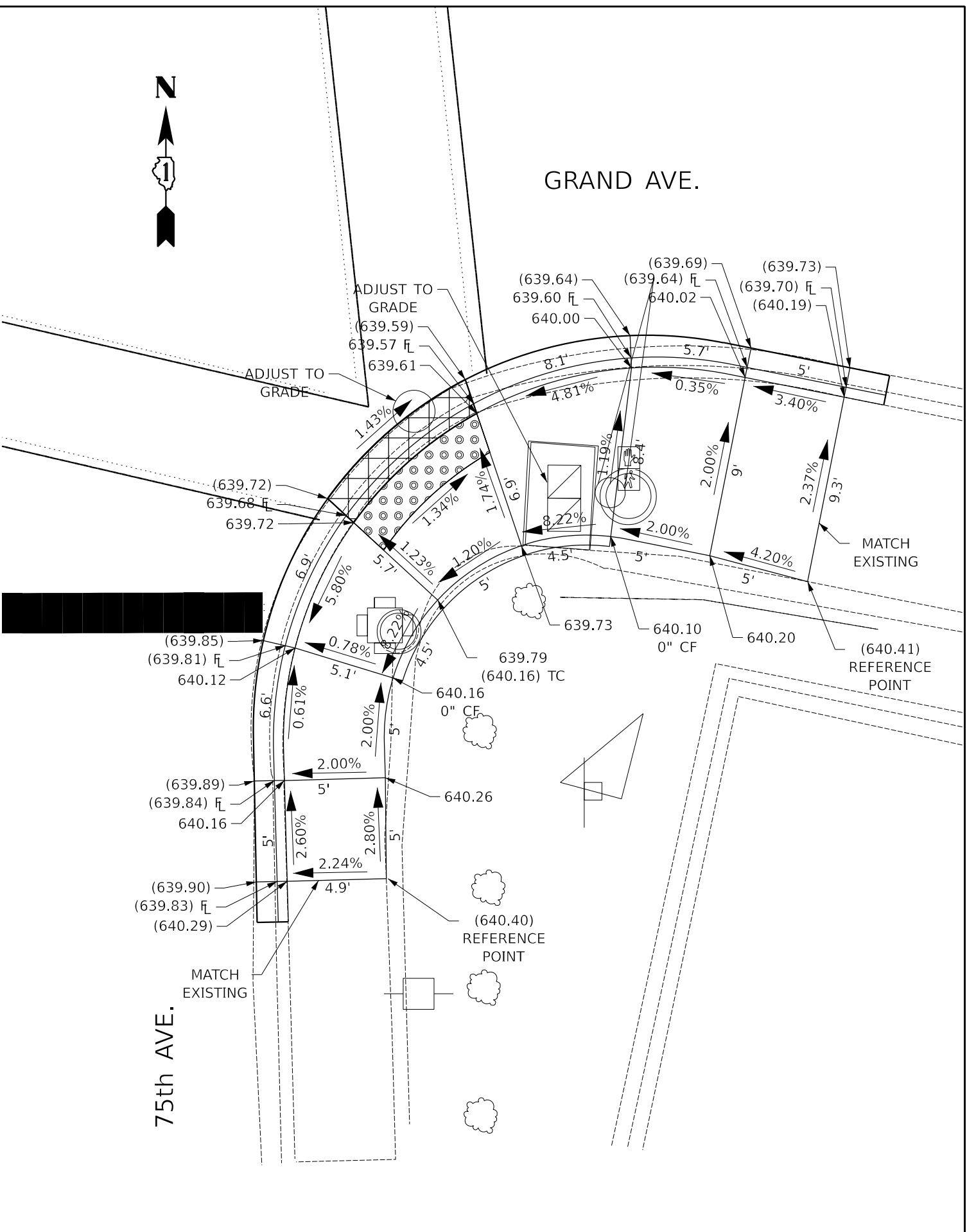
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p:\1\1dot\pw.bentley.com\PWIDOT\Documents\1\DOT Offices\District 1\ORD Projects\P1263\2020\172-SW\172-SW.dwg		1\DOT Offices\District 1\ORD Projects\P1263\2020\172-SW\172-SW.dwg	5/20/2020	5/20/2020		2021-172-SW	COOK	110	67						
PLOT SCALE = #SCALE#		CHECKED *	REVISED *	CONTRACT NO.: 62P93											
PLOT DATE = 3/31/2025		DATE *	REVISED *												
				SCALE:		SHEET	OF	SHEETS	STA.	TO STA.					

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Leyden-DesignScratch.dgn 9/3/2025 12:47:46 PM User=Phillip.Steed



NOTE: CATEGORY 3, TRAFFIC
SIGNAL ON E/W LEG PREVENTS
4' MIN PAR

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				ADA RAMP IMPROVEMENTS - EXISTING AND PROPOSED PLANS VARIOUS ROUTES (NORWOOD PARK AND LEYDEN TOWNSHIPS)				F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. VAR. 2021-172-SW COOK 110 68 CONTRACT NO.: 62P93 ILLINOIS FED. AID PROJECT			
SCALE:		SHEET		OF		SHEETS		STA.		TO STA.	
USER NAME = Phillip.Steed		DESIGNED -		REVISED -		DRAWN -		REVISED -		CHECKED -	
PLOT SCALE = 40,000 ' / in.		PLOT DATE = 9/3/2025		DATE -		REVISED -		REVISED -		REVISED -	



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		DRAWN -	REVISED -						VAR.	2021-172-SW	COOK	110	69
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	PLOT DATE = 9/3/2025	DATE -	REVISED -										
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

REMOVAL AND RELOCATION 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

TRAFFIC SIGNAL CABINET AND CONTROLLER (COMPLETE)
- 1

EACH

UNINTERRUPTED POWER SUPPLY (COMPLETE)
- 2

EACH

STEEL MAST ARM ASSEMBLY AND POLE
- 3

EACH

TRAFFIC SIGNAL POST
- 9

EACH

3-SECTION SIGNAL HEAD
- 2

EACH

TRAFFIC SIGNAL BACKPLATE
- 2

EACH

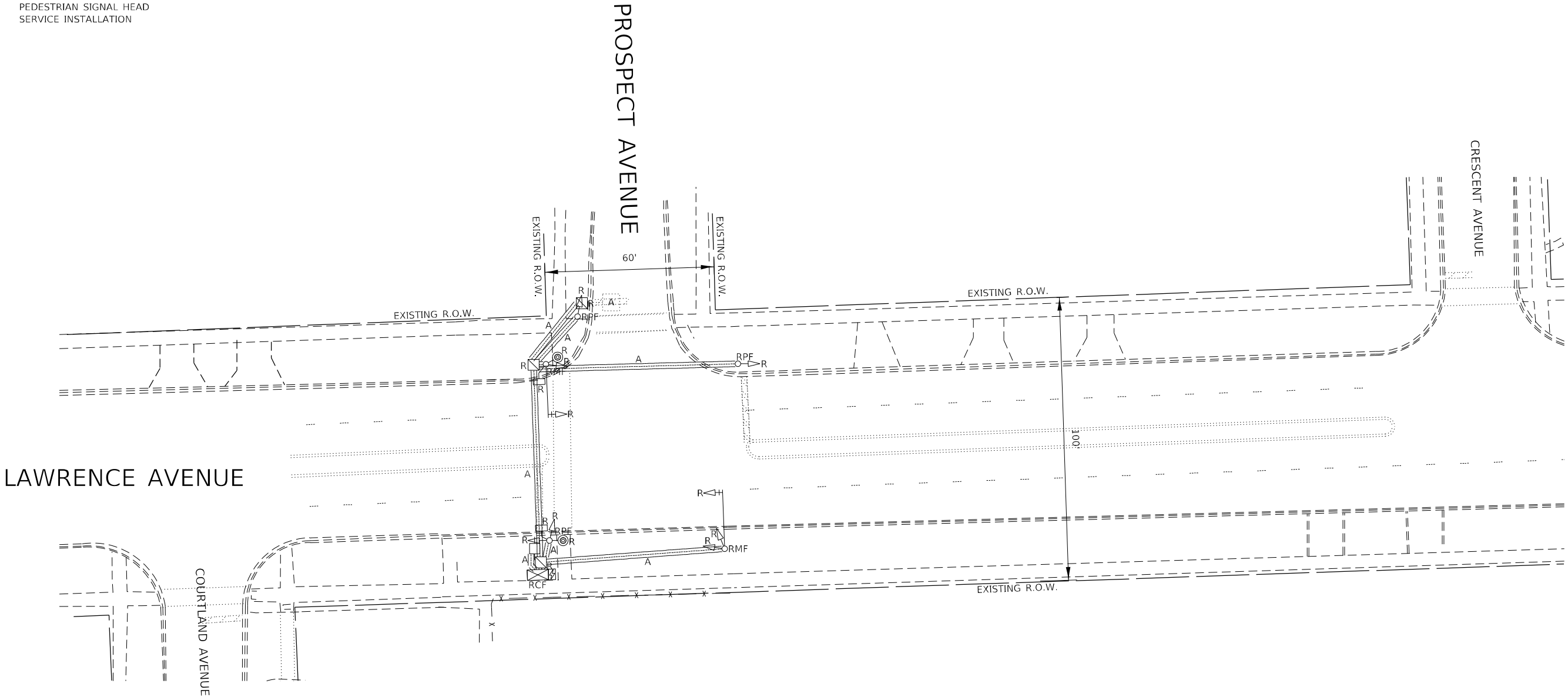
PEDESTRIAN PUSH-BUTTON
- 2

EACH

PEDESTRIAN SIGNAL HEAD
- 1

EACH

SERVICE INSTALLATION



NOTES:

1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PERMANENT TRAFFIC SIGNAL IS OPERATIONAL.
2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.



TS 14380

iteris

USER NAME	= bfunk
PLOT SCALE	= 2,0000 ' / in.
PLOT DATE	= 3/12/2025

DESIGNED	-	AM
DRAWN	-	AM
CHECKED	-	BF
DATE	-	3/12/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

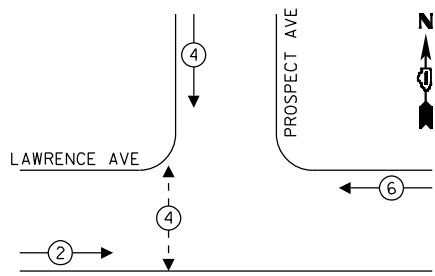
TRAFFIC SIGNAL REMOVAL PLAN
LAWRENCE AVENUE AND PROSPECT AVENUE

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

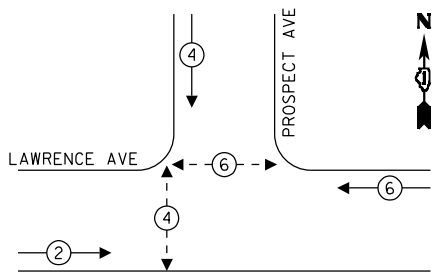
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	70
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

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EXISTING CONTROLLER SEQUENCE



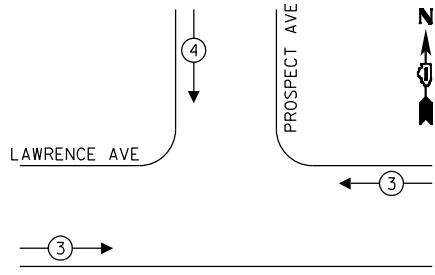
PROPOSED CONTROLLER SEQUENCE



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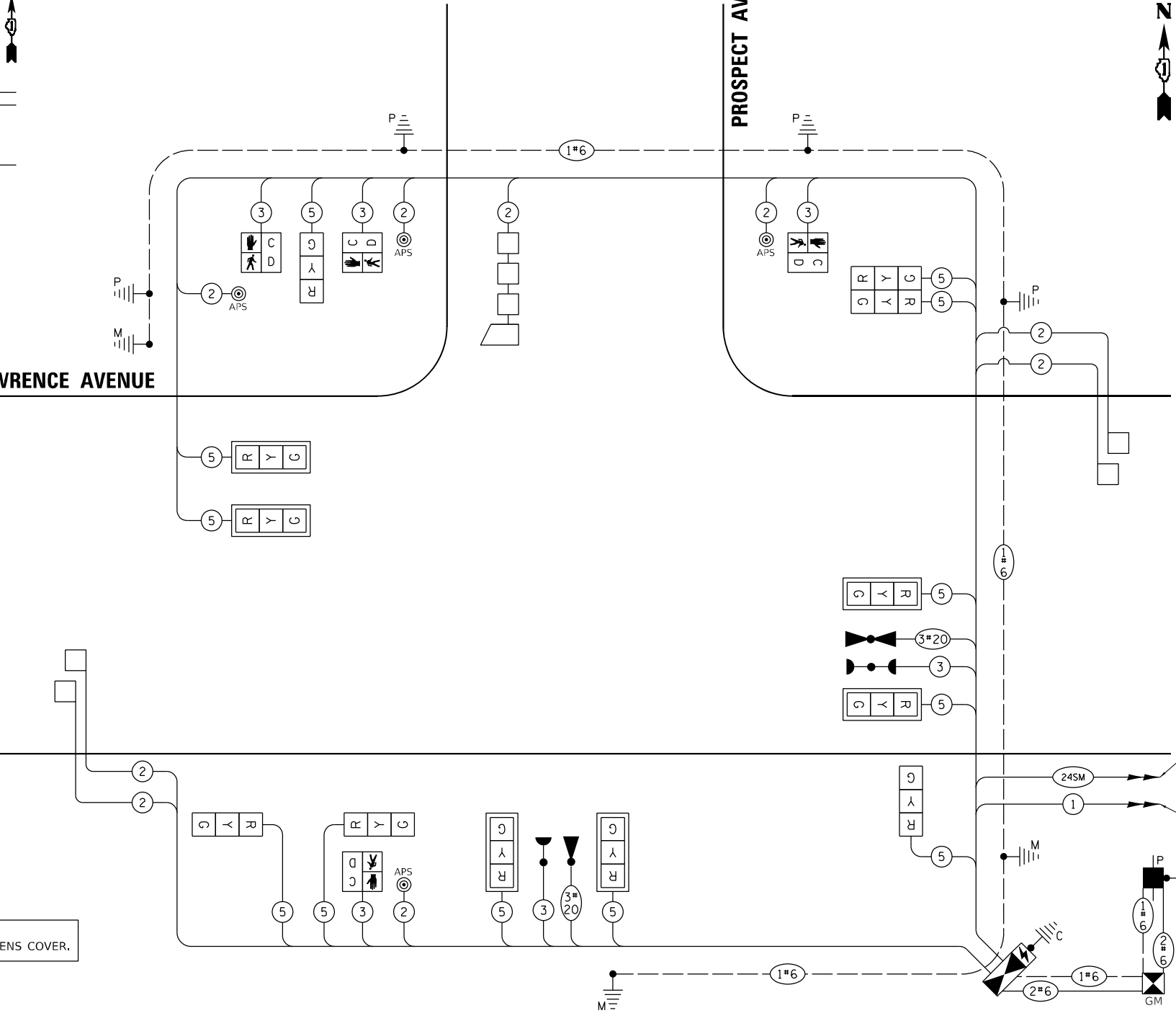
- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



LAWRENCE AVENUE

PROSPECT AVENUE



NOTE:
ALL RED INDICATIONS SHALL HAVE A LENS COVER.

ENERGY COSTS - BILLED TO:
VILLAGE OF NORRIDGE
4000 N OLCOTT AVENUE
NORRIDGE, IL 60706

ENERGY SUPPLY: CONTACT: ERICKA IRBY
 PHONE: 779-231-0633
 COMPANY: COM. EDISON
ACCOUNT NUMBER: 2587615663
METER NUMBER:

CABLE PLAN
(NOT TO SCALE)



USER NAME	= bfunck
PLOT SCALE	= 2,000' / in.
PLOT DATE	= 4/8/2025

DESIGNED	-	AM
DRAWN	-	AM
CHECKED	-	BF
DATE	-	4/8/2025

REVISED	-
REVISED	-
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REVISED	-

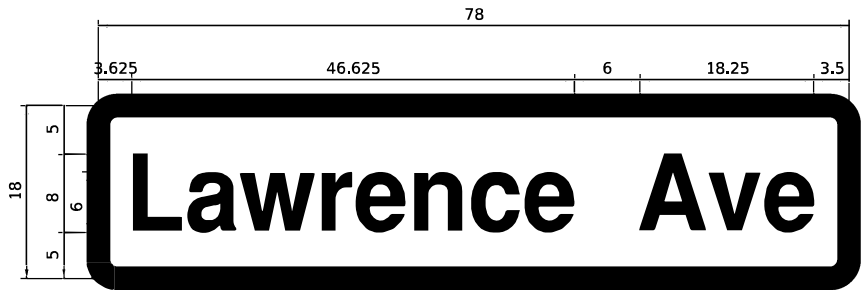
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
LAWRENCE AVENUE AND PROSPECT AVENUE

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	72
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

TS 14380
IDOT TACTICS



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	TYPE 1	ZZ	1



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.00	TYPE 1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ. FT.	27.75
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	470
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	98
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	167
HANDHOLE	EACH	5
DOUBLE HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	636.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	867
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1580
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1223
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	86.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1064
TRAFFIC SIGNAL POST, 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	280
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1428
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	194.5
CELLULAR MODEM	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATA LINK) SWITCH	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	FOOT	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	EACH	8
LED SIGNAL FACE, LENS COVER	EACH	12

• 100% OF COST TO THE VILLAGE OF NORRIDGE

TS 14380
IDOT TACTICS

MODEL: Default
FILE NAME: C:\Sharepoint\ITERIS - INCL\Systems - Midwest - Chicago Construction\IDOT - PTH 204-010.D1.APS PROJECT MANAGEMENT\12666 - WO 15 - Lawrence Ave TS Mod\CADD\Sheet files\ID.162P93-SHT - STREET SIGN.dgn



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	DRAWN - AM	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - BF	REVISED -
PLOT DATE = 10/24/2025	DATE - 10/24/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
LAWRENCE AVENUE AND PROSPECT AVENUE

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	73
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION 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

TRAFFIC SIGNAL CABINET AND CONTROLLER (COMPLETE)
- 1

EACH

UNINTERRUPTED POWER SUPPLY (COMPLETE)
- 2

EACH

STEEL MAST ARM ASSEMBLY AND POLE
- 6

EACH

TRAFFIC SIGNAL POST
- 10

EACH

3-SECTION SIGNAL HEAD
- 2

EACH

TRAFFIC SIGNAL BACKPLATE
- 8

EACH

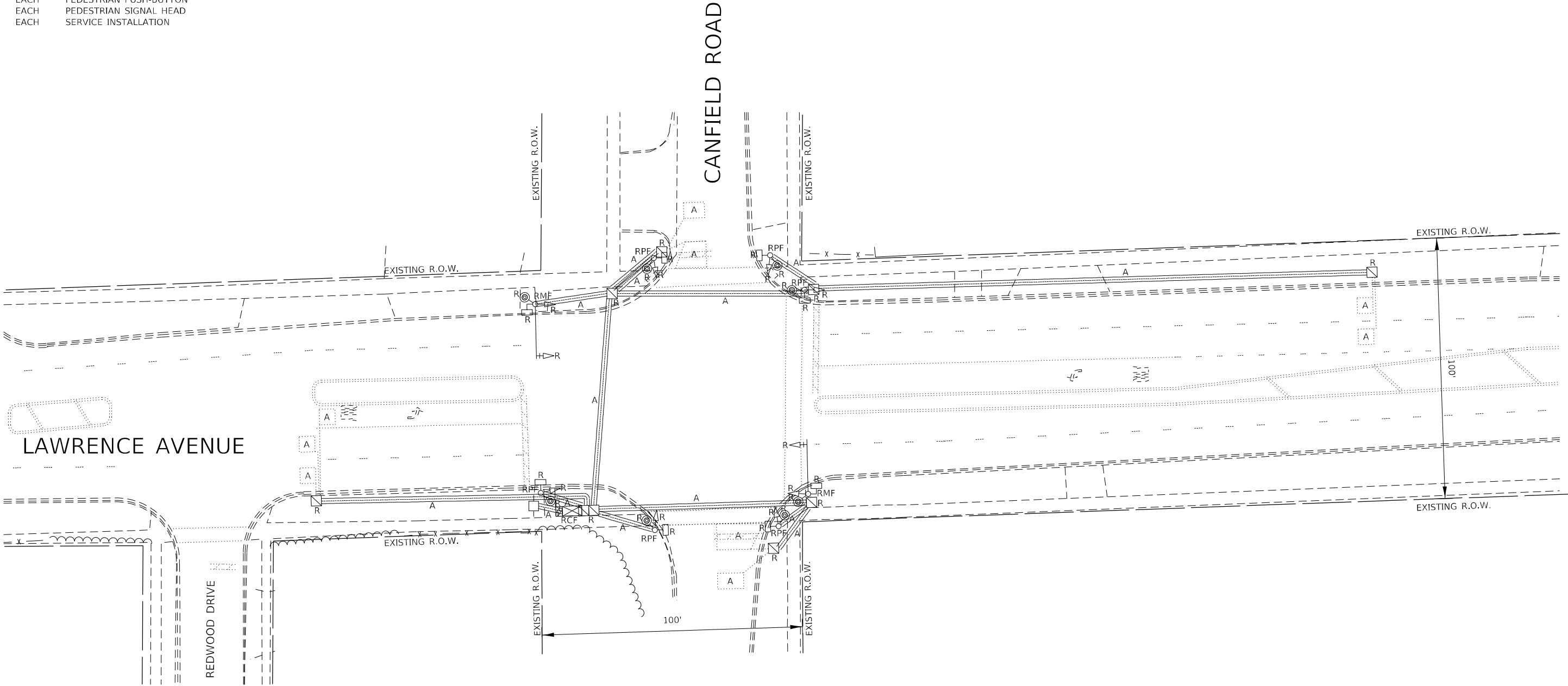
PEDESTRIAN PUSH-BUTTON
- 8

EACH

PEDESTRIAN SIGNAL HEAD
- 1

EACH

SERVICE INSTALLATION



NOTES:

1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PERMANENT TRAFFIC SIGNAL IS OPERATIONAL.
2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.



TS 14385



USER NAME	= bfunck
DESIGNED	- AM
DRAWN	- AM
CHECKED	- BF
DATE	- 3/12/2025

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REVISED	-
REVISED	-
REVISED	-

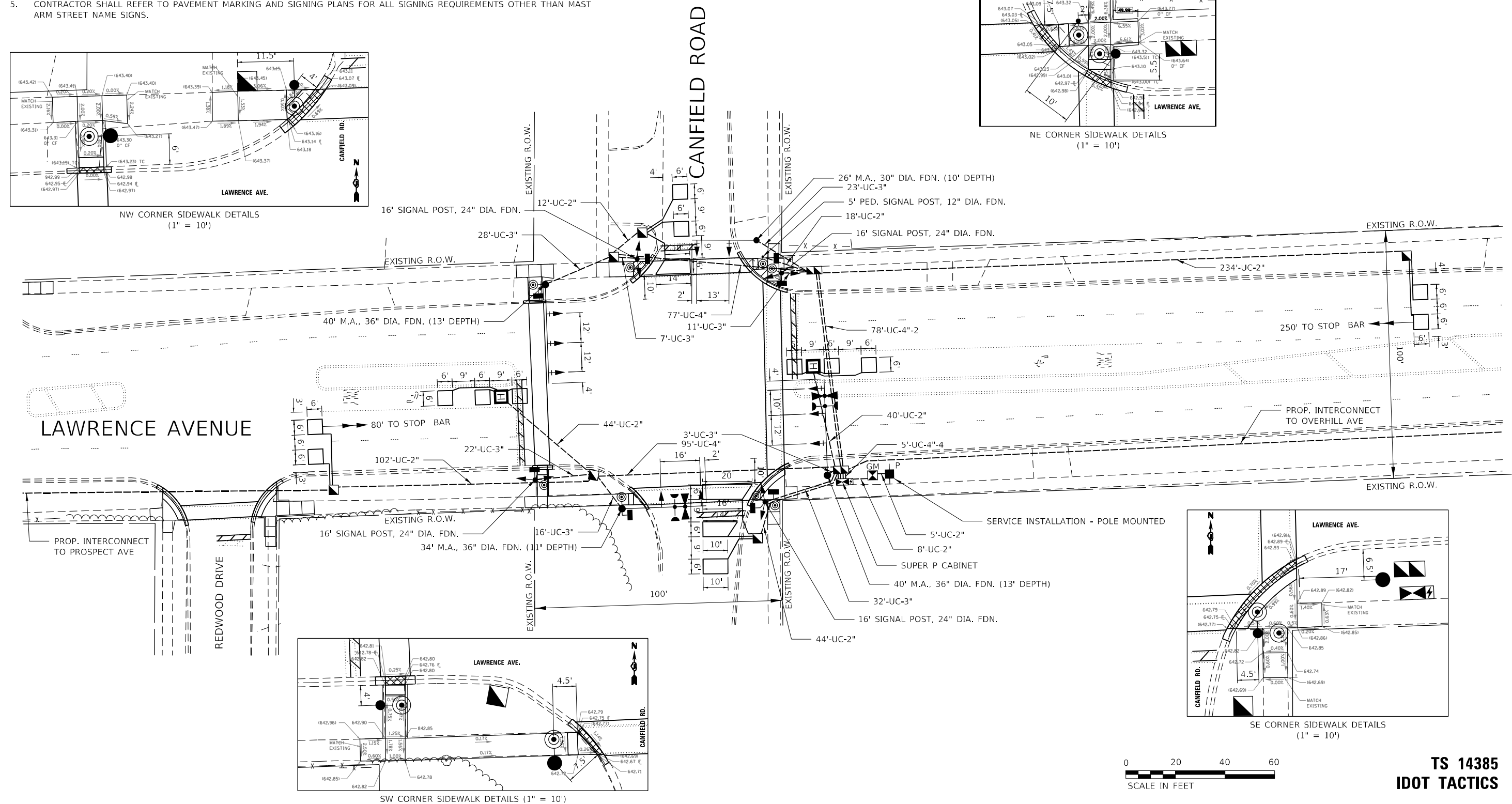
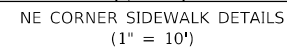
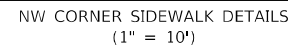
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL PLAN
LAWRENCE AVENUE AND CANFIELD ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	74
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

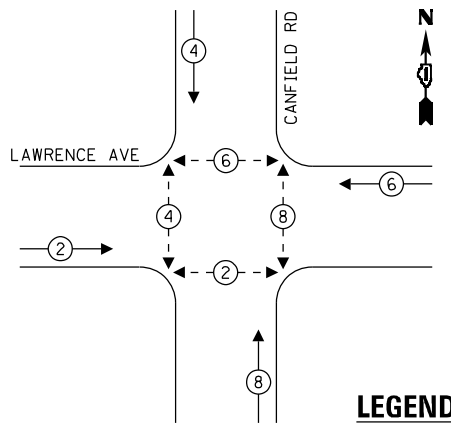
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.
3. THE CONTRACTOR SHALL CONFIRM THE FIELD LOCATION OF THE APS EQUIPMENT WITH THE IDOT TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
4. INCLUDE A 5' STUB OF 2" CONDUIT FROM THE GM FOR FUTURE CONNECTION.
5. CONTRACTOR SHALL REFER TO PAVEMENT MARKING AND SIGNING PLANS FOR ALL SIGNING REQUIREMENTS OTHER THAN MAST ARM STREET NAME SIGNS.



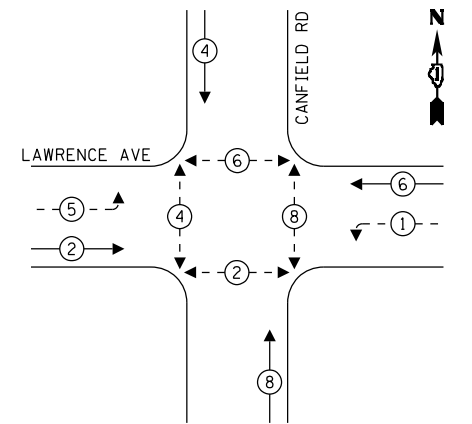
TS 14385
IDOT TACTICS

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EXISTING CONTROLLER SEQUENCE



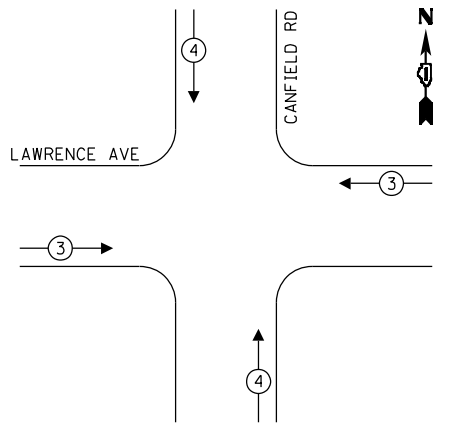
PROPOSED CONTROLLER SEQUENCE



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	14	11
	4-SECTION	-	14
	5-SECTION	4	13
PROGRAMMABLE	3-SECTION	-	22
	4-SECTION	-	32
	5-SECTION	-	28
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTIONRADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		536	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1141	

PROP. INTERCONNECT TO
PROSPECT AVENUE

PROP.
TRACER
CABLE

NOTE:
ALL RED INDICATIONS SHALL HAVE A LENS COVER.

ENERGY COSTS - BILLED TO:
VILLAGE OF NORRIDGE
4000 N OLCOTT AVENUE
NORRIDGE, IL 60706

ENERGY SUPPLY: CONTACT: ERICKA IRBY
 PHONE: 779-231-0633
 COMPANY: COM. EDISON
ACCOUNT NUMBER: 2587615663
METER NUMBER:

LAWRENCE AVENUE

CANFIELD ROAD

CABLE PLAN
(NOT TO SCALE)

PROP. INTERCONNECT TO
OVERHILL AVENUE

PROP.
TRACER
CABLE

TS 14385
IDOT TACTICS

iteris

USER NAME = bfunck
PLOT SCALE = 2,0000 ' / in.
PLOT DATE = 4/8/2025

DESIGNED - AM	REVISED -
DRAWN - AM	REVISED -
CHECKED - BF	REVISED -
DATE - 4/8/2025	REVISED -

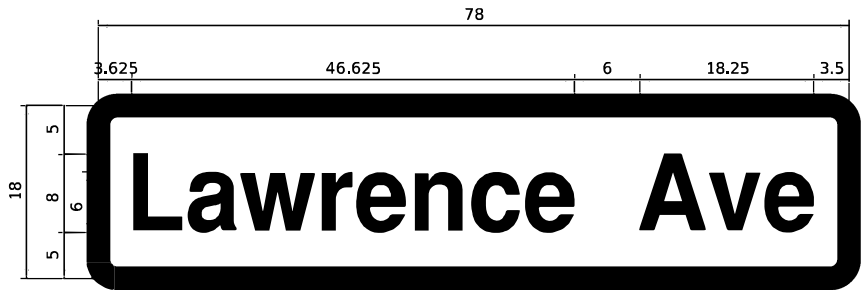
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
LAWRENCE AVENUE AND CANFIELD ROAD

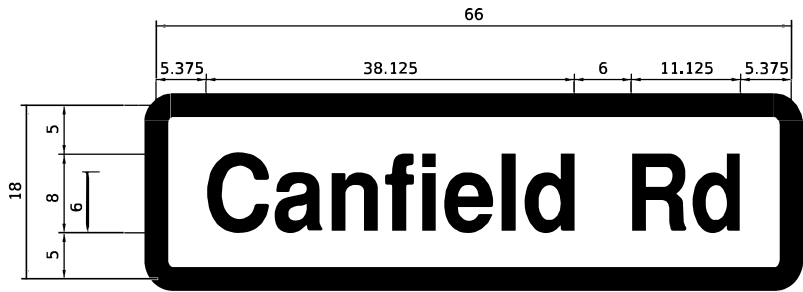
SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	76
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	TYPE 1	ZZ	2



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	8.25	TYPE 1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ. FT.	36
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	507
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	142
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	348
HANDHOLE	EACH	6
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1168
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1488
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2310.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	681
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1705
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	47.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1307
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	37
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE I	FOOT	488
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4722
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	271
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATA LINK) SWITCH	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	FOOT	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	EACH	4
LED SIGNAL FACE, LENS COVER	EACH	18

▪ 100% OF COST TO THE VILLAGE OF NORRIDGE

TS 14385
IDOT TACTICS



USER NAME = bfunk	DESIGNED - AM	REVISED - BF 10/24/25
	DRAWN - AM	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - BF	REVISED -
PLOT DATE = 10/24/2025	DATE - 10/24/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
LAWRENCE AVENUE AND CANFIELD ROAD

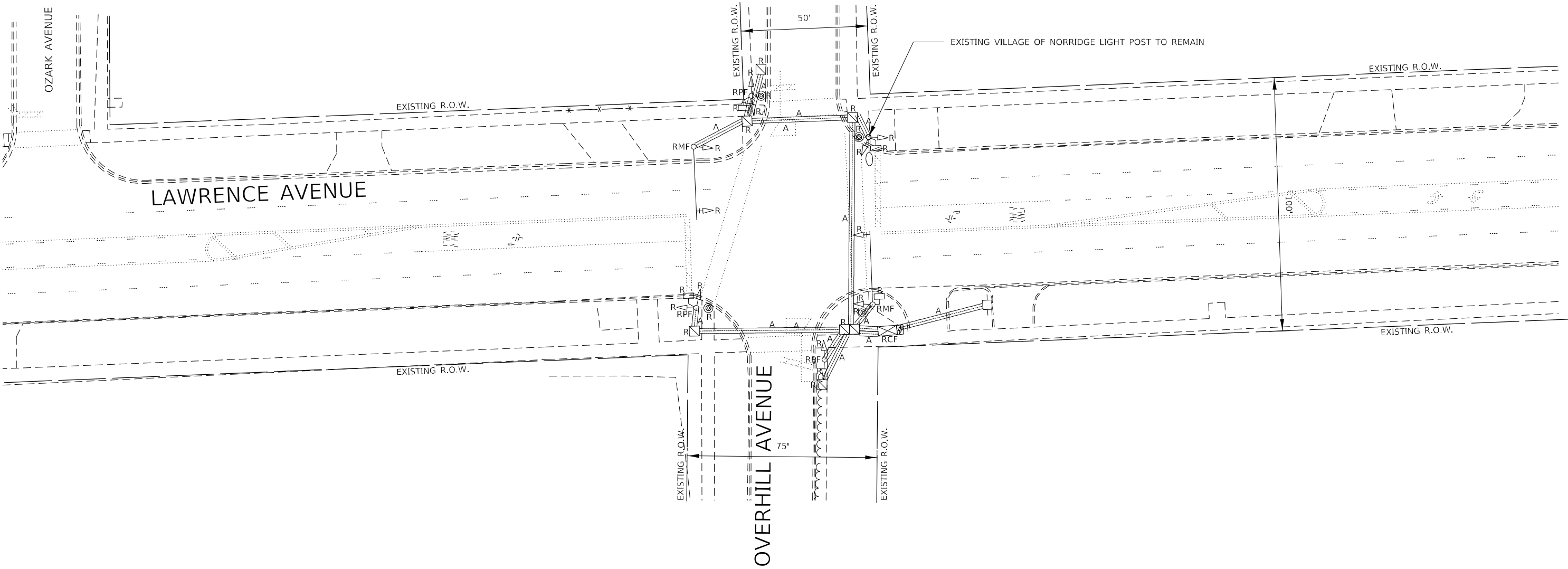
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	77
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION 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 TRAFFIC SIGNAL CABINET AND CONTROLLER (COMPLETE)
- 1 EACH UNINTERRUPTED POWER SUPPLY (COMPLETE)
- 2 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 3 EACH TRAFFIC SIGNAL POST
- 12 EACH 3-SECTION SIGNAL HEAD
- 2 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 1 EACH SERVICE INSTALLATION



NOTES:

- 1. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PERMANENT TRAFFIC SIGNAL IS OPERATIONAL.
- 2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.



TS 14390



USER NAME = bfunck	DESIGNED - AM	REVISED -
	DRAWN - AM	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED - BF	REVISED -
PLOT DATE = 3/12/2025	DATE - 3/12/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

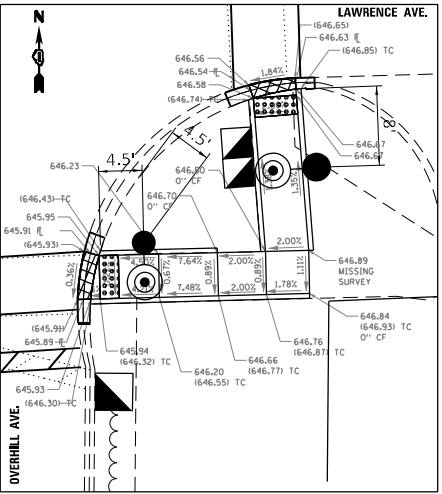
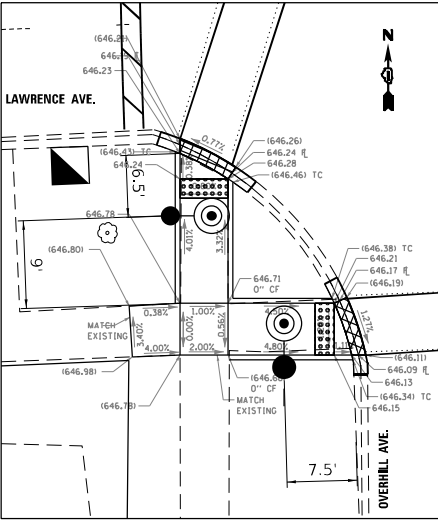
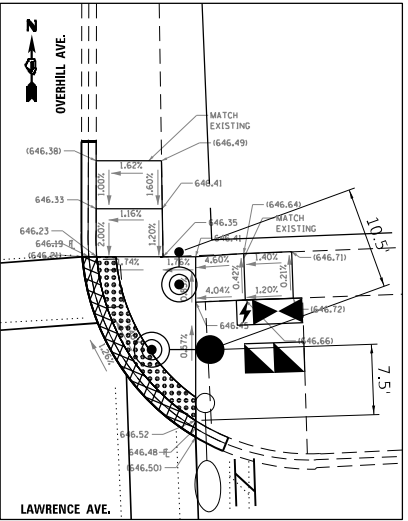
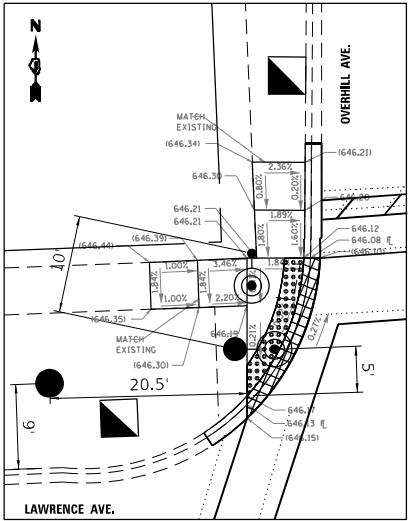
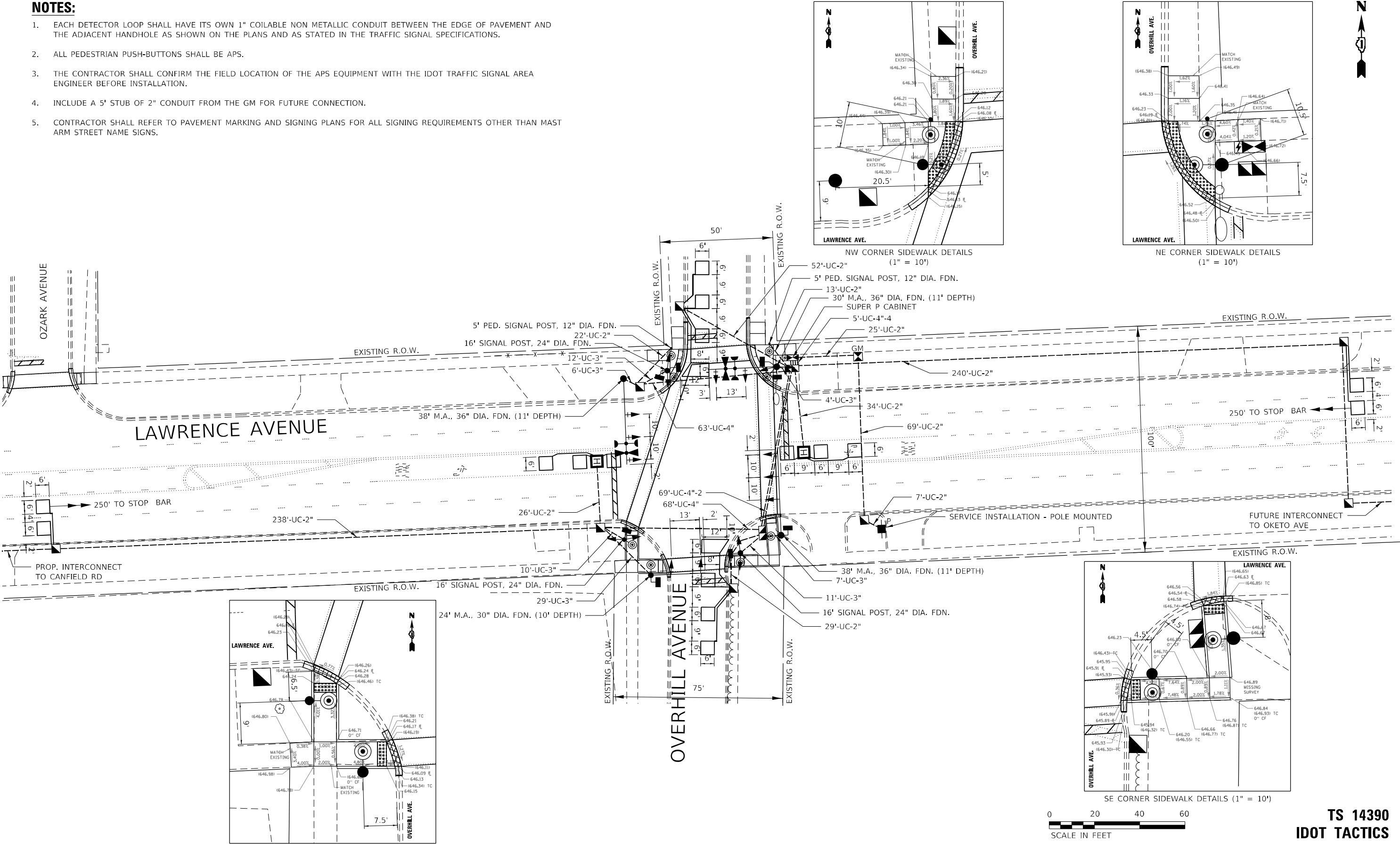
TRAFFIC SIGNAL REMOVAL PLAN
LAWRENCE AVENUE AND OVERHILL AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	78
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

NOTES:

- 1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
- 2. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.
- 3. THE CONTRACTOR SHALL CONFIRM THE FIELD LOCATION OF THE APS EQUIPMENT WITH THE IDOT TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
- 4. INCLUDE A 5' STUB OF 2" CONDUIT FROM THE GM FOR FUTURE CONNECTION.
- 5. CONTRACTOR SHALL REFER TO PAVEMENT MARKING AND SIGNING PLANS FOR ALL SIGNING REQUIREMENTS OTHER THAN MAST ARM STREET NAME SIGNS.



TS 14390
IDOT TACTICS



USER NAME = bfunck	DESIGNED - AM	REVISED -
	DRAWN - AM	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED - BF	REVISED -
PLOT DATE = 4/17/2025	DATE - 4/17/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

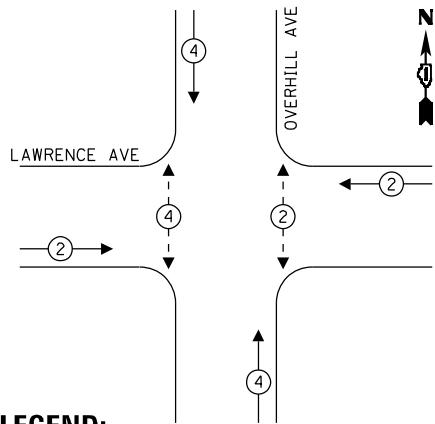
TRAFFIC SIGNAL MODERNIZATION PLAN
LAWRENCE AVENUE AND OVERHILL AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	79
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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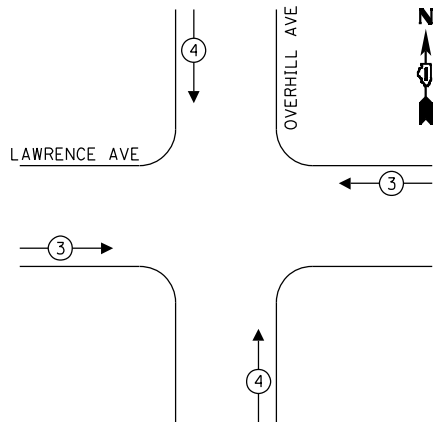
EXISTING CONTROLLER SEQUENCE



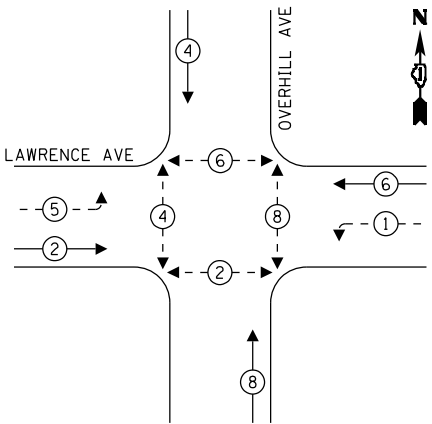
LEGEND:

- ←(*)→ PROTECTED PHASE
- ←-(*)- PROTECTED/PERMITTED PHASE
- ←(*)→ PEDESTRIAN PHASE
- OL OVERLAP

PROPOSED EMERGENCY VEHICLE
PREEMPTION SEQUENCE



PROPOSED CONTROLLER SEQUENCE



LAWRENCE AVENUE

OVERHILL AVENUE

PROP. INTERCONNECT TO
CANFIELD ROAD

PROP.
TRACER
CABLE

NOTE:
ALL RED INDICATIONS SHALL HAVE A LENS COVER.

ENERGY COSTS - BILLED TO:
VILLAGE OF NORRIDGE
4000 N OLCOTT AVENUE
NORRIDGE, IL 60706

ENERGY SUPPLY: CONTACT: ERICKA IRBY
 PHONE: 779-231-0633
 COMPANY: COM. EDISON
ACCOUNT NUMBER: 2587615663
METER NUMBER:

CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS			
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	14	11
	4-SECTION	-	14
	5-SECTION	4	13
PROGRAMMABLE	3-SECTION	-	22
	4-SECTION	-	32
	5-SECTION	-	28
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		536	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1141	

iteris

USER NAME = bfrunk
PLOT SCALE = 2,0000 ' / in.
PLOT DATE = 4/24/2025

DESIGNED - AM	REVISED -
DRAWN - AM	REVISED -
CHECKED - BF	REVISED -
DATE - 4/24/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

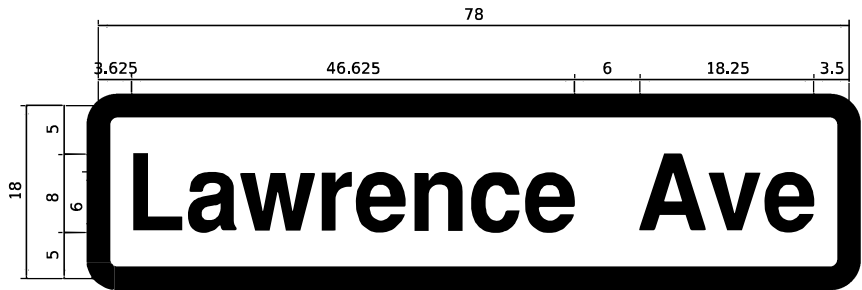
CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
LAWRENCE AVENUE AND OVERHILL AVENUE

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

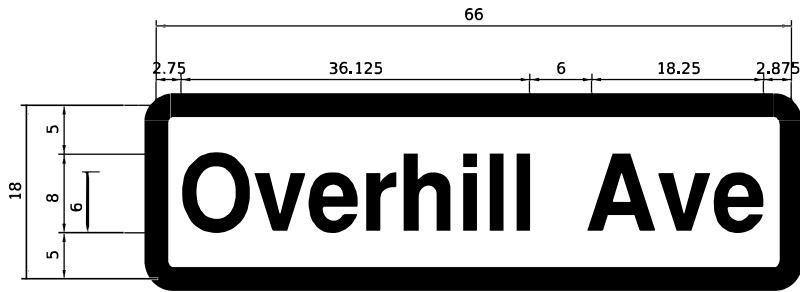
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	80
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

TS 14390
IDOT TACTICS

MODEL - Default
FILE NAME - C:\Sharepoint\ITERIS - INCL\Systems - Midwest - Chicago Construction\IDOT - PTH 204-010 D1 APS PROJECT MANAGEMENT\12666 - WO 15 - Lawrence Ave TS Mod\CADD\Sheet Files\ID162P93-SHT - STREET SIGN.dgn



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.75	TYPE 1	ZZ	2



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	8.25	TYPE 1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ. FT.	36
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	755
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	79
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	289
HANDHOLE	EACH	7
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	992
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1255
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2006.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	583
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1880.5
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	142
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1216
TRAFFIC SIGNAL POST, 16 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	33
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE I	FOOT	630
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2902
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	226
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
LAYER II (DATA LINK) SWITCH	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
TACTICS LICENSE EXPANSION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	FOOT	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	EACH	8
LED SIGNAL FACE, LENS COVER	EACH	18

▪ 100% OF COST TO THE VILLAGE OF NORRIDGE

TS 14390
IDOT TACTICS



USER NAME = bfunk	DESIGNED - AM	REVISED - BF 10/24/25
	DRAWN - AM	REVISED -
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PLOT DATE = 10/24/2025	DATE - 10/24/2025	REVISED -

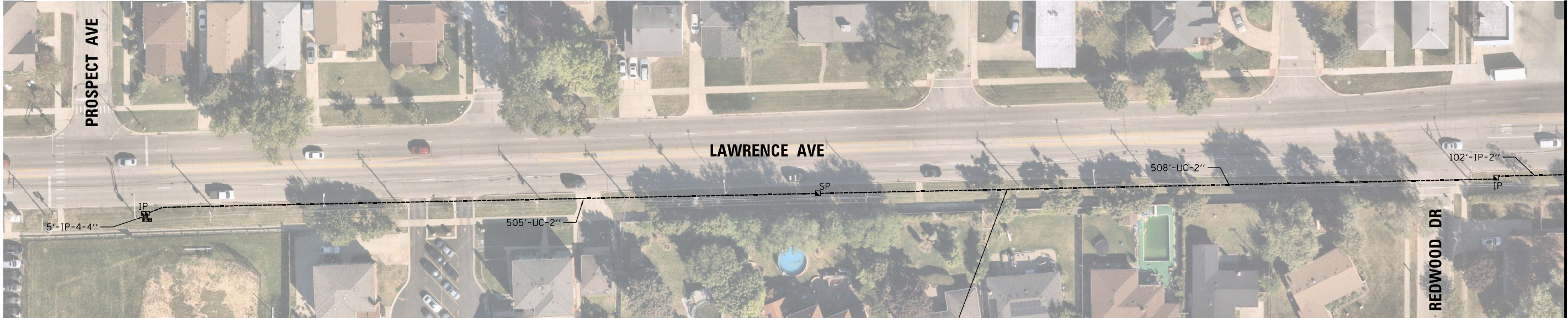
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
LAWRENCE AVENUE AND OVERHILL AVENUE

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	81
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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NEW 24 SM FIBER AND NEW TRACER CABLE
24 SM FIBER CABLE - 3112 FT
TRACER NO 14 1C - 2392 FT



IDOT TACTICS



USER NAME	= bfunk
PLOT SCALE	= 100,0000 ' / in.
PLOT DATE	= 4/17/2025

DESIGNED -	BF
DRAWN -	BF
CHECKED -	AG
DATE -	4/17/25

REVISED -	
REVISED -	
REVISED -	
REVISED -	

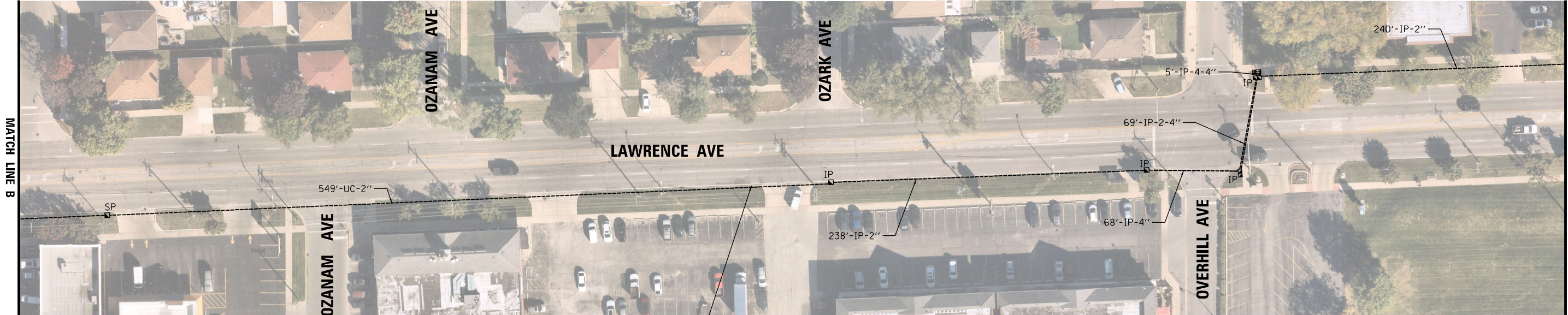
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
LAWRENCE AVENUE – PROSPECT AVENUE TO OVERHILL AVENUE

SCALE: 1"=40' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	82
CONTRACT NO. 62P93				
		ILLINOIS	FED. AID PROJECT	

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NEW 24 SM FIBER AND NEW TRACER CABLE
24 SM FIBER CABLE - 1379 FT
TRACER NO 14 1C - 980 FT



IDOT TACTICS



USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED - AG	REVISED -
PLOT DATE = 4/17/2025	DATE - 4/17/25	REVISED -

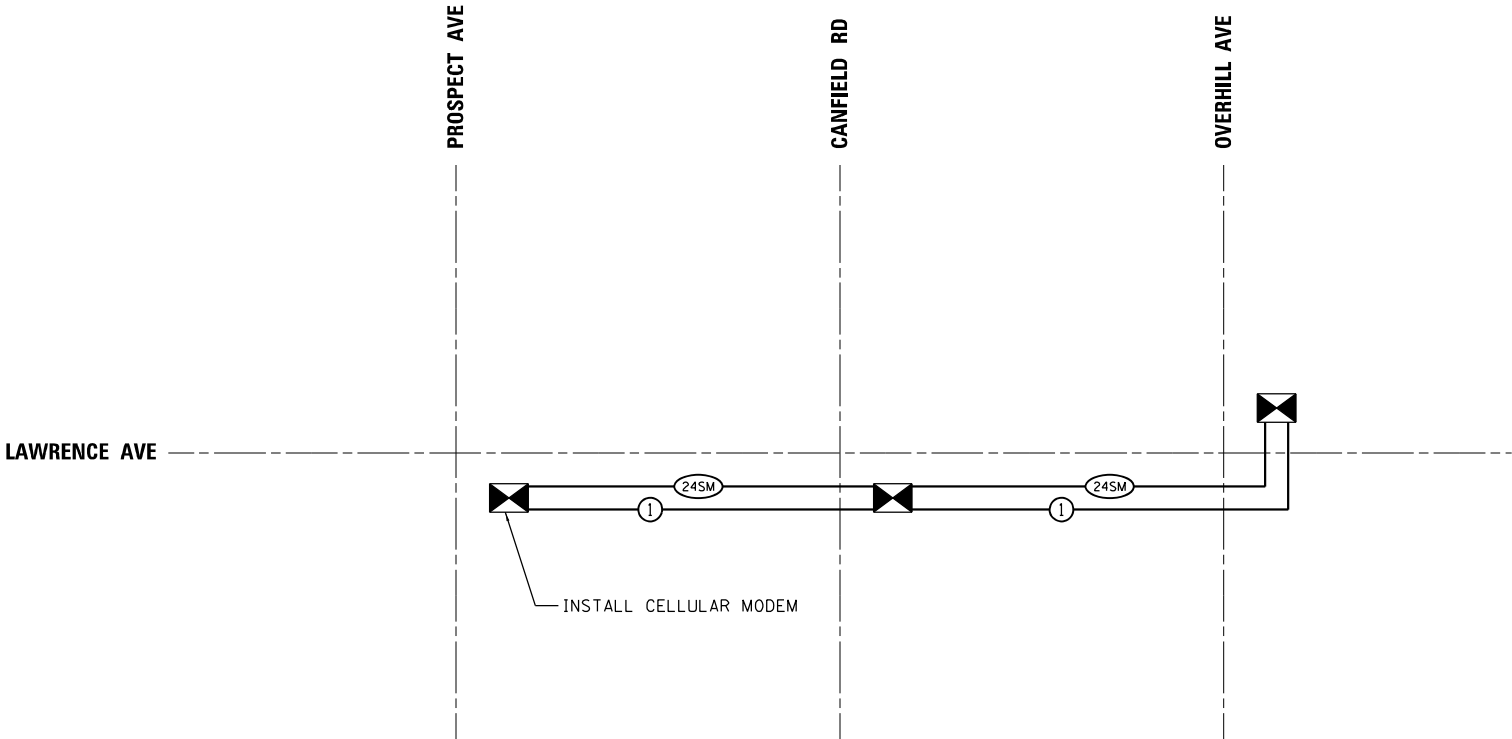
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
LAWRENCE AVENUE – PROSPECT AVENUE TO OVERHILL AVENUE

SCALE: 1"=40' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	83
CONTRACT NO. 62P93				
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3689
HANDHOLE	EACH	6
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3372
TERMINATE FIBER IN CABINET	EACH	36
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	4491
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	3
SPLICE FIBER IN CABINET	EACH	12
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

IDOT TACTICS



USER NAME = bfunk
PLOT SCALE = 100,0000 ' / in.
PLOT DATE = 9/29/2025

DESIGNED - BF
DRAWN - BF
CHECKED - AG
DATE - 9/29/25

REVISED -
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REVISED -

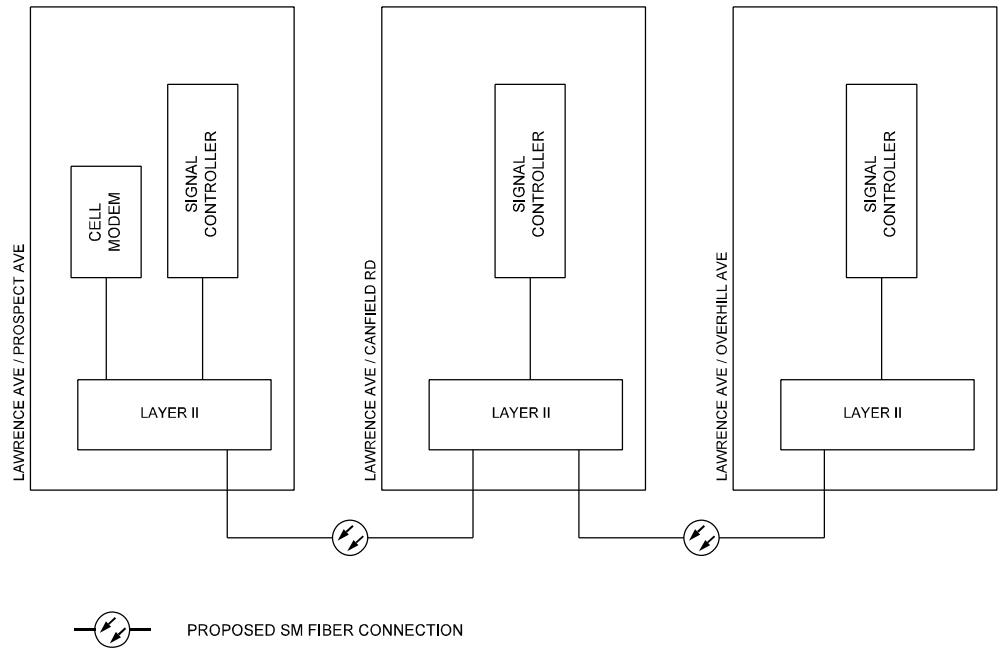
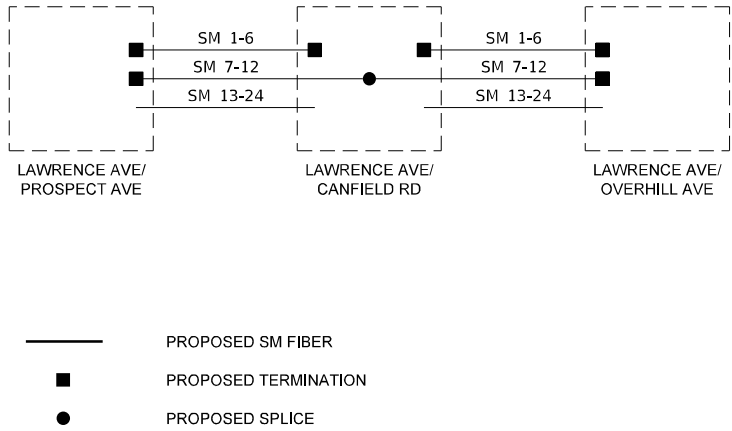
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERCONNECT SCHEMATIC

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	84
CONTRACT NO. 62P93				
		ILLINOIS	FED. AID PROJECT	

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IDOT TACTICS



USER NAME = bfunk	DESIGNED - BF	REVISED -
	DRAWN - BF	REVISED -
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PLOT DATE = 4/17/2025	DATE - 4/17/25	REVISED -

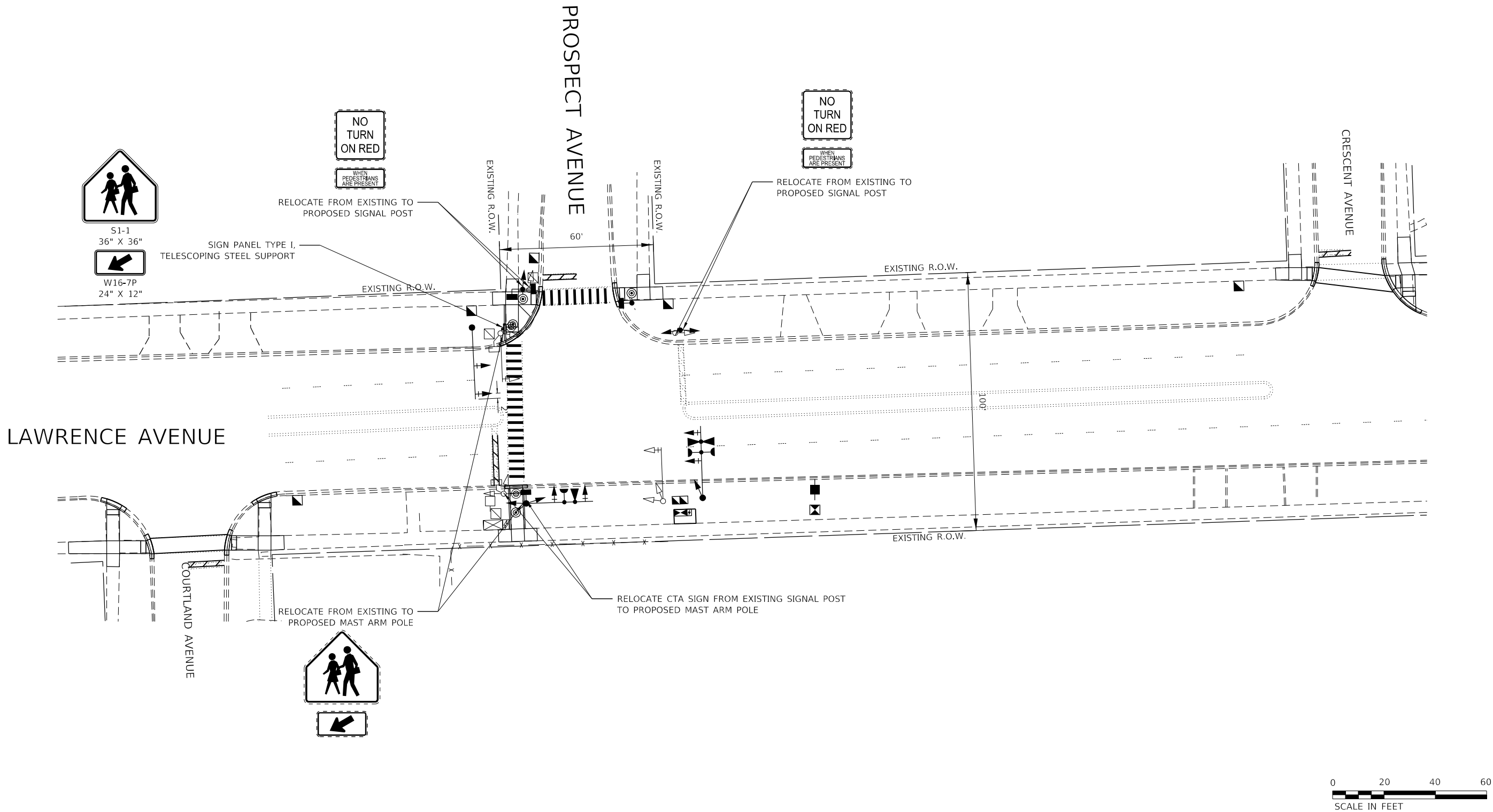
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER SPLICING DIAGRAM AND CABINET DETAIL			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	85
CONTRACT NO. 62P93				
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL - TYPE 1	SQ. FT	11
RELOCATE SIGN PANEL - TYPE 1	SQ. FT	27
TELESCOPING STEEL SIGN SUPPORT	FOOT	10



MODEL: Default
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USER NAME = amaravilllas	DESIGNED - AM	REVISED -
	DRAWN - AM	REVISED -
PLOT SCALE = 2,0000 ' / in.	CHECKED - BF	REVISED -
PLOT DATE = 1/7/2025	DATE - 1/7/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

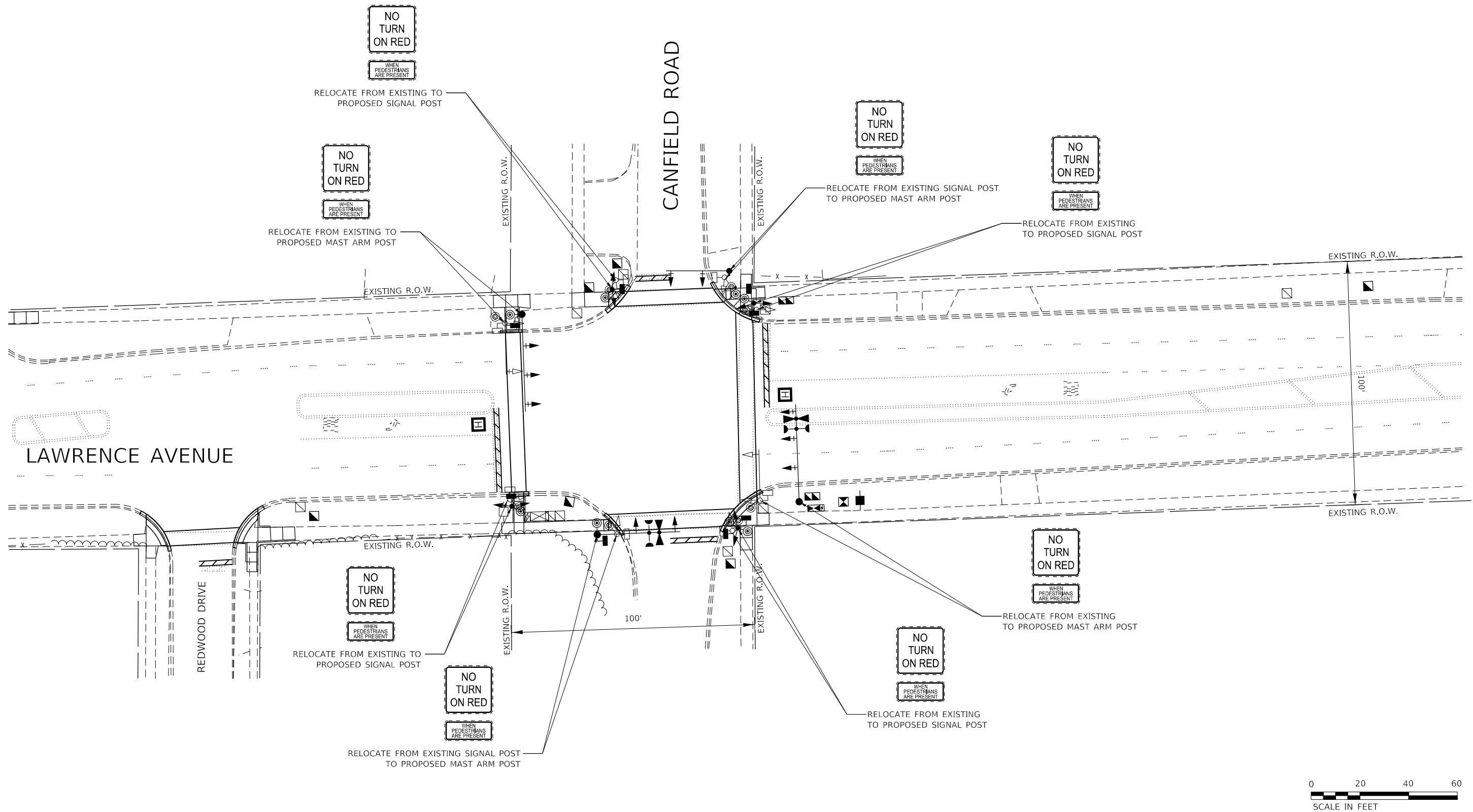
SIGNING PLAN
LAWRENCE AVENUE AND PROSPECT AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	86
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
RELOCATE SIGN PANEL - TYPE 1	SO FT	56



MODEL: Default
FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\UDOT_PTB 204-010 D1 AP5 PROJECT MANAGEMENT\12666 - WO 15 - Lawrence Ave TS Mod\CAD\Sheet files\163P93-SHT_SIGNING.dgn



USER NAME	= amaravillas
DESIGNED	- AM
DRAWN	- AM
PLOT SCALE	= 2,0000 ' / in.
PLOT DATE	= 1/7/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

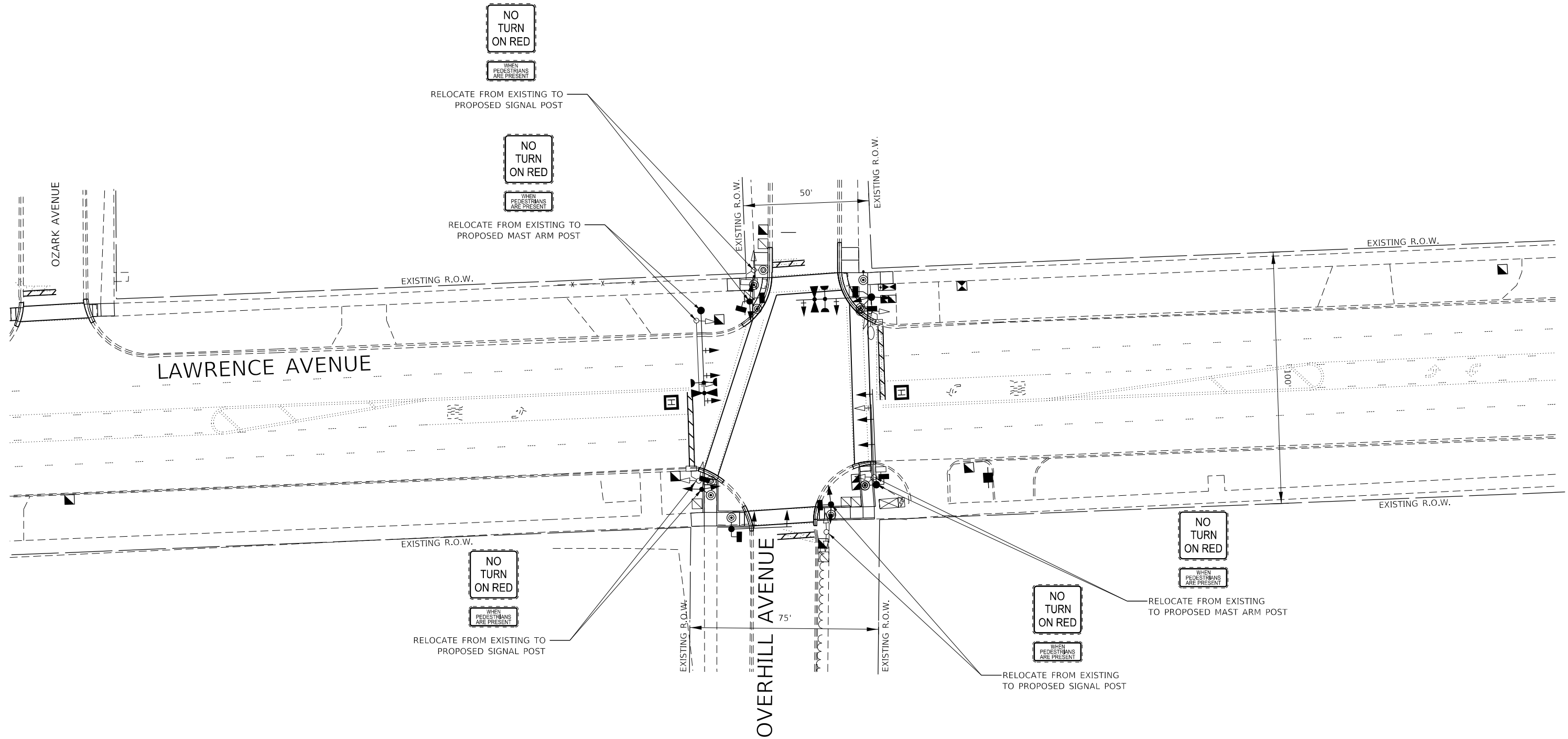
SIGNING PLAN
LAWRENCE AVENUE AND CANFIELD ROAD

SCALE: 1"=20'	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	87
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
RELOCATE SIGN PANEL - TYPE 1	SO FT	35



MODEL: Default
FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\DOT P1B 204-010 D1 AP5 PROJECT MANAGEMENT\12666 - WO 15 - Lawrence Ave TS Mod\CAD\Sheet File\163P93-SHT_SIGNING.dgn



USER NAME = amaravillas	DESIGNED - AM	REVISED -
	DRAWN - AM	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - BF	REVISED -
PLOT DATE = 1/7/2025	DATE - 1/7/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

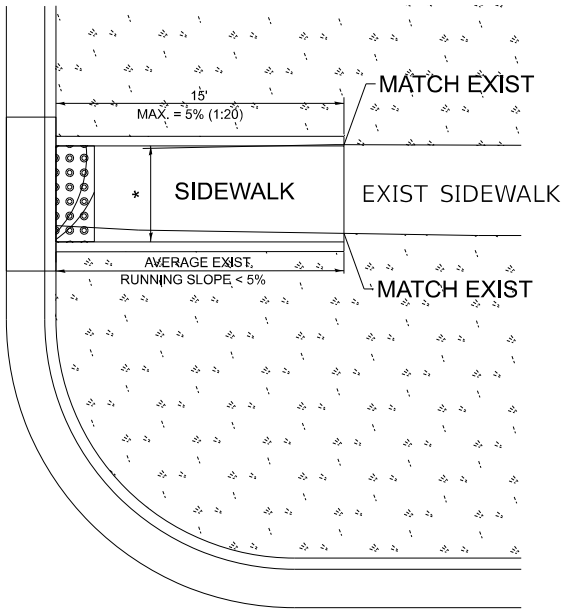
SIGNING PLAN
LAWRENCE AVENUE AND OVERHILL AVENUE

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

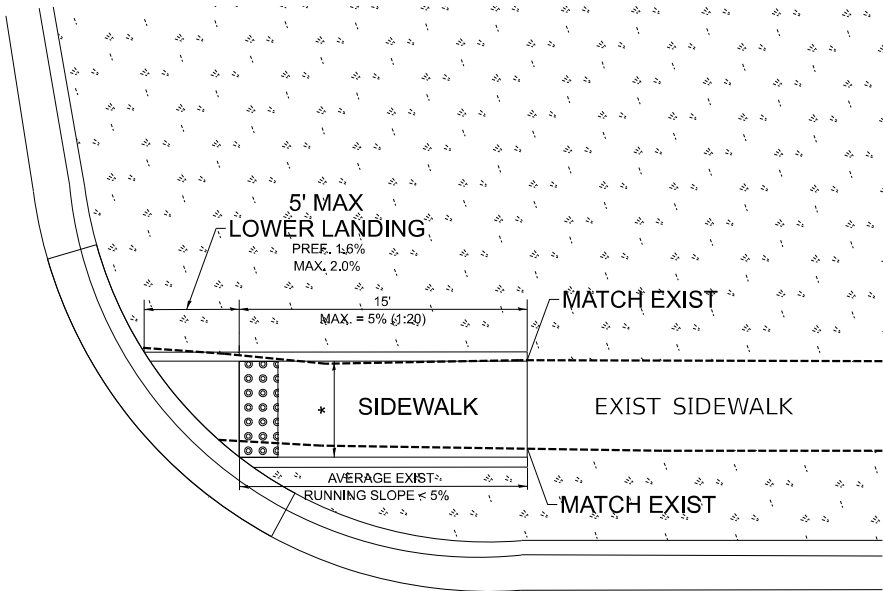
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	88
CONTRACT NO. 62P93				
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

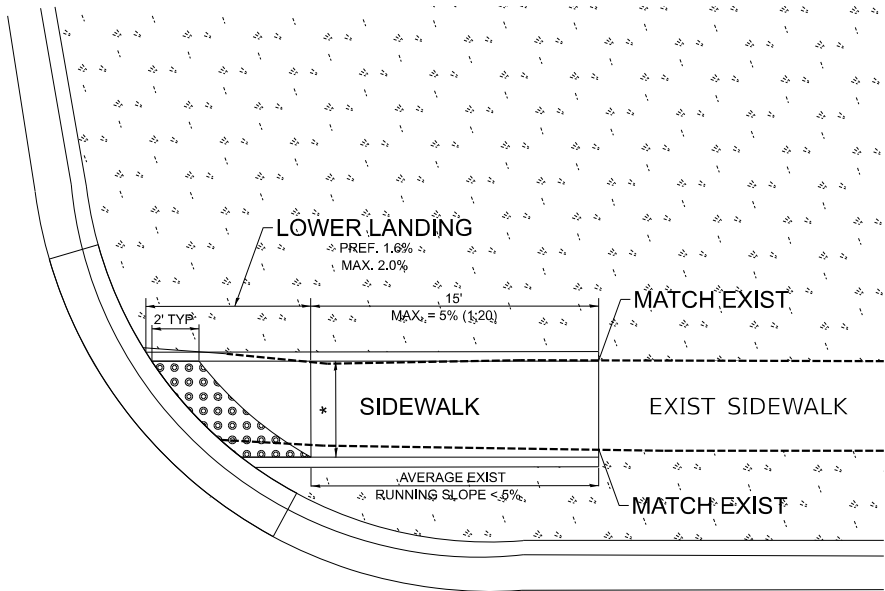
PD-01A



PD-01B



PD-01C



LEGEND

- EXIST. GRASS
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

USER NAME	= Phillip.Steed	DESIGNED	-	REVISED	-
DRAWN	- R. LEDEZMA	REVIS	-	REVISED	-
PLOT SCALE	= 100,000 ' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 9/3/2025	DATE	- 10/02/2019	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)

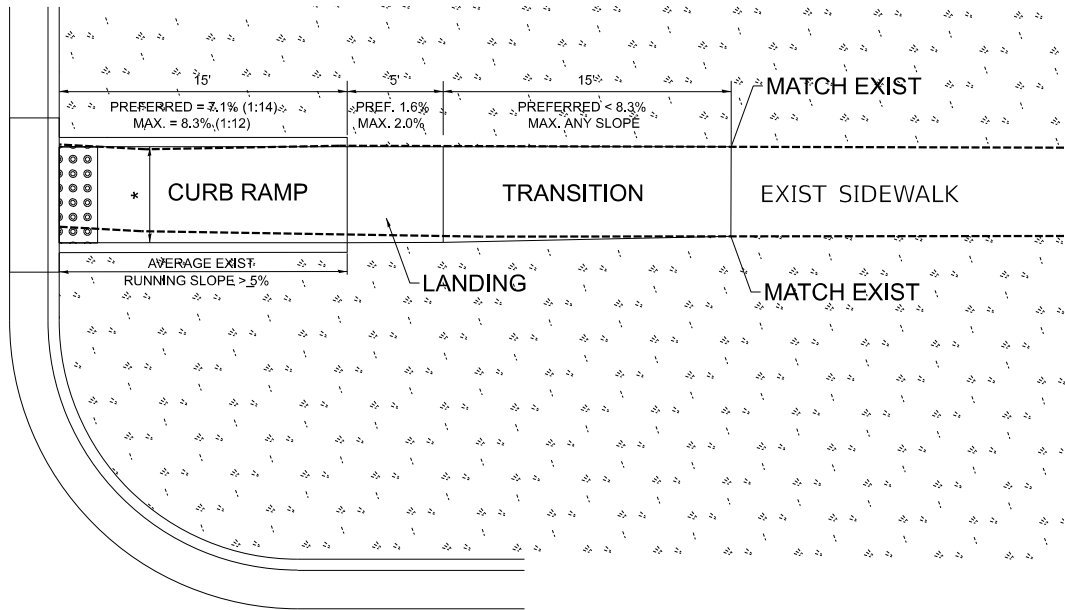
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	89
PD-01		CONTRACT NO. 62P93		
		ILLINOIS	FED. AID PROJECT	

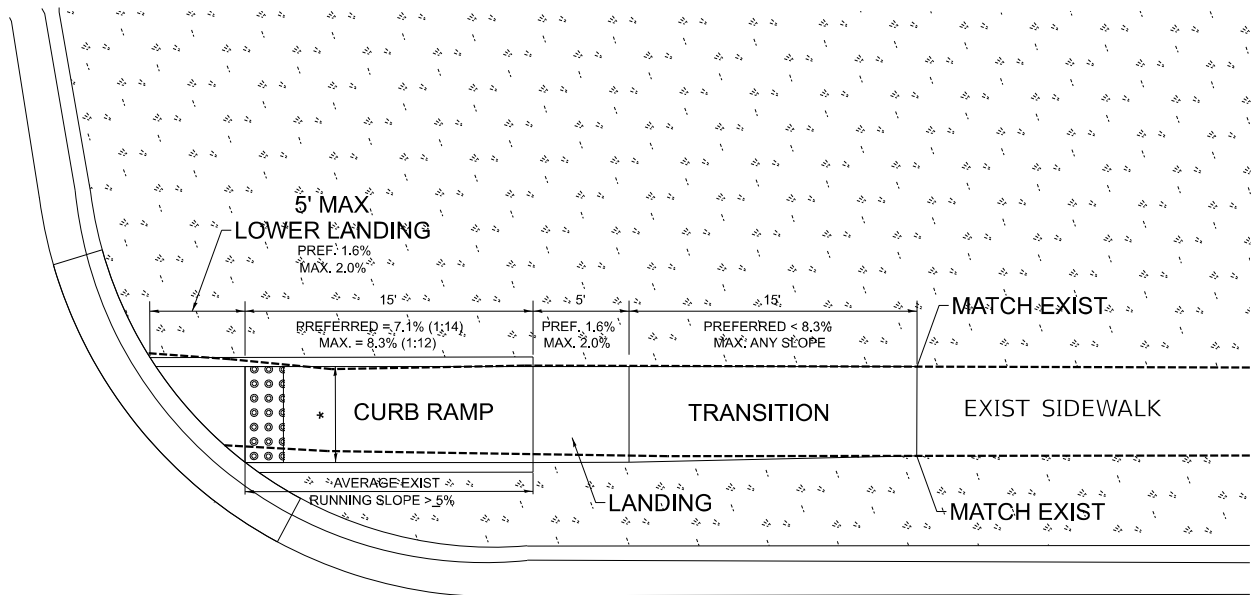
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Levden-sht-details.dgn 9/3/2025 1:17:45 PM User=Phillip.Steed

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR GREATER RUN. SLOPE

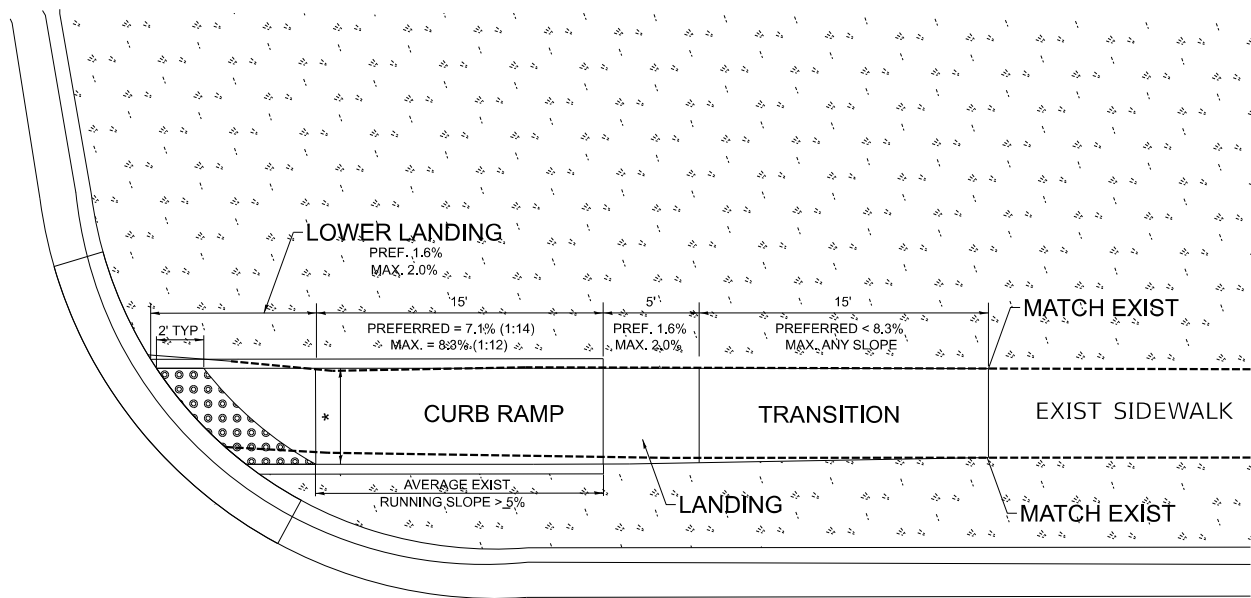
PD-02A



PD-02B



PD-02C



LEGEND

- EXIST. GRASS
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

- ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- MATCH EXISTING SIDEWALK WIDTH

USER NAME	= Phillip.Steed	DESIGNED	-	REVISED	-
DRAWN	- R. LEDEZMA	REVIS	-	REVISED	-
PLOT SCALE	= 100,000 ' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 9/3/2025	DATE	- 10/02/2019	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

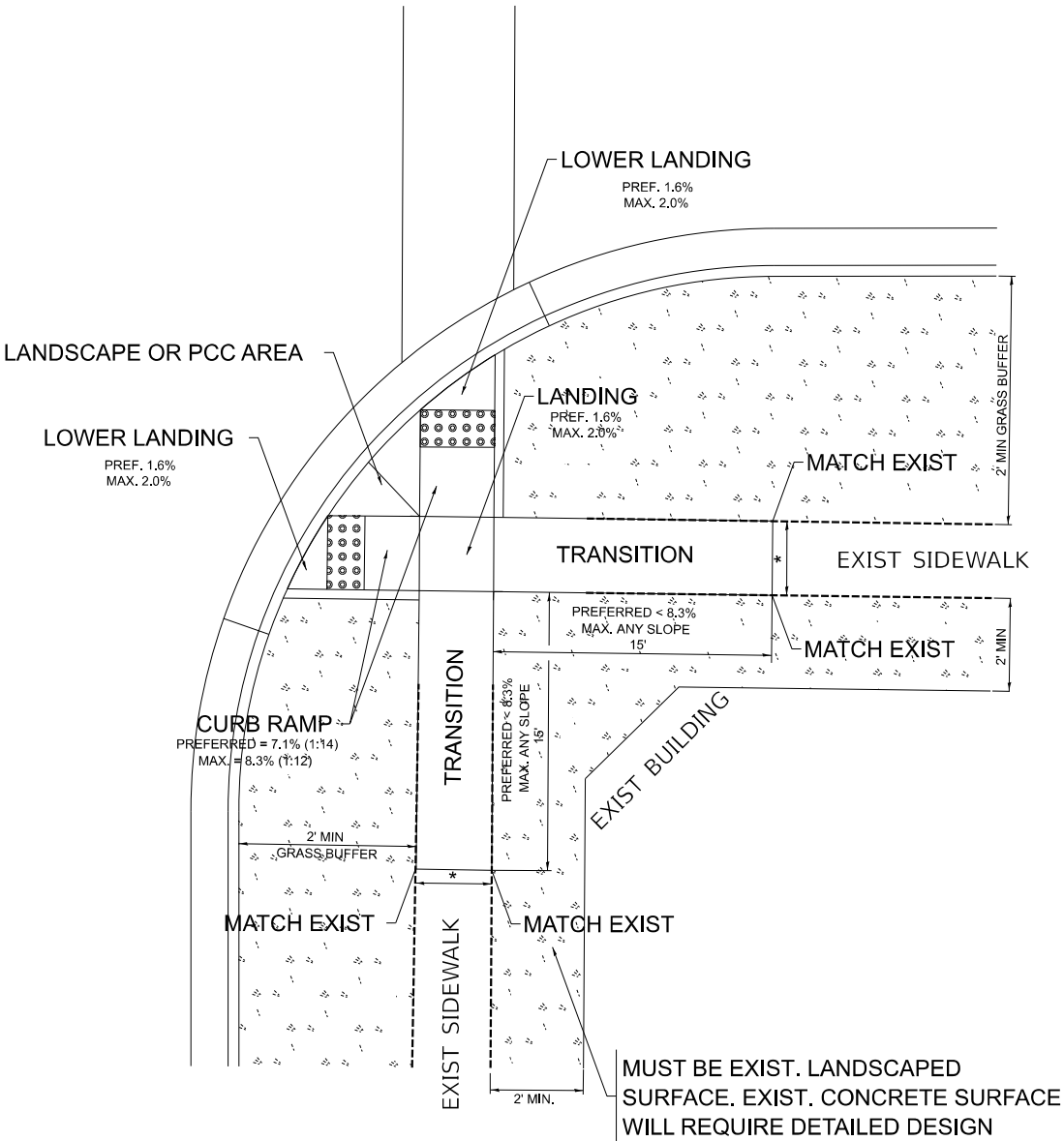
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-02)

SCALE: NONE SHEET OF SHEETS STA. TO STA.

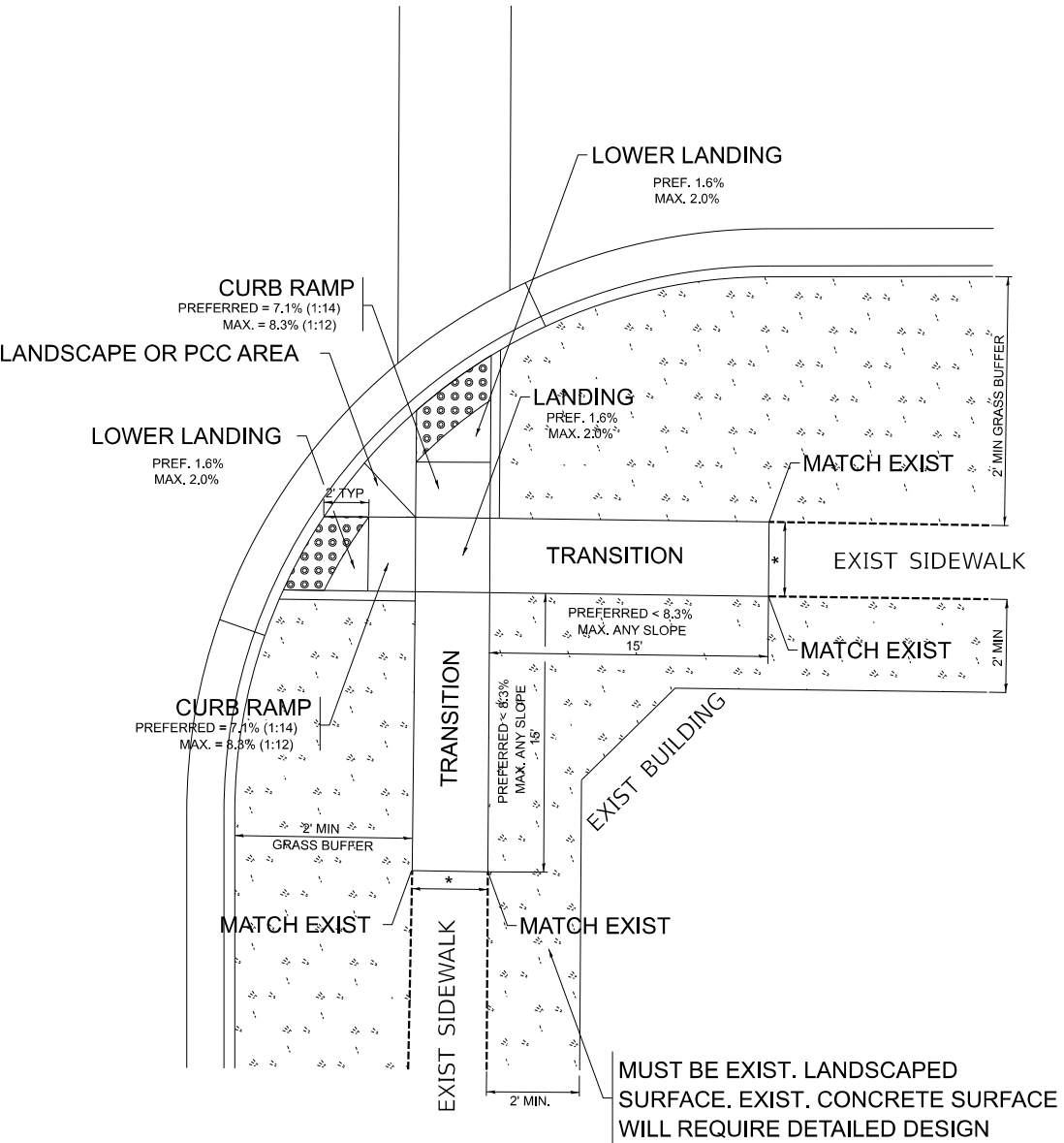
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	90
PD-02		CONTRACT NO. 62P93		
		ILLINOIS	FED. AID PROJECT	

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

USER NAME	= Phillip.Steed
DESIGNED	-
DRAWN	- R. LEDEZMA
PLOT SCALE	= 100,000 ' / in.
PLOT DATE	= 9/3/2025

DESIGNED	-
DRAWN	- R. LEDEZMA
CHECKED	-
DATE	- 10/02/2019

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

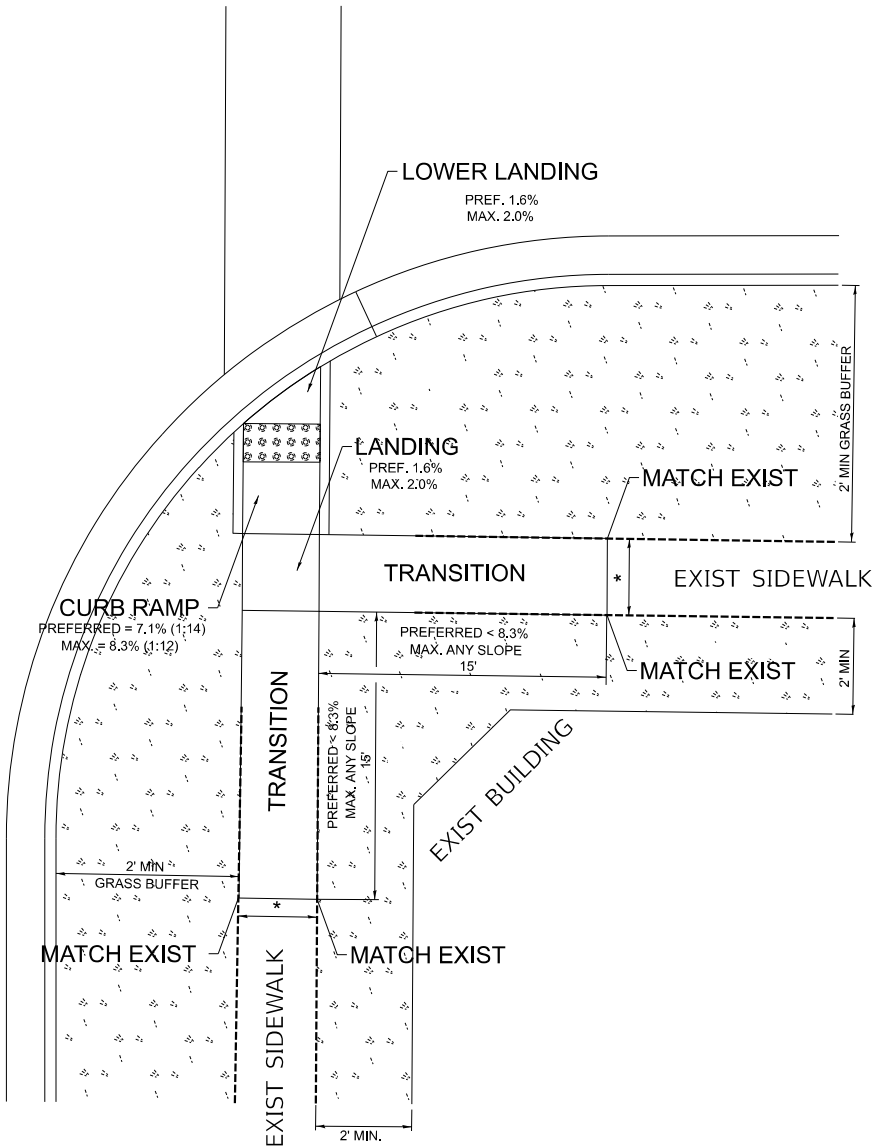
PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)

SCALE: NONE SHEET OF SHEETS STA. TO STA.

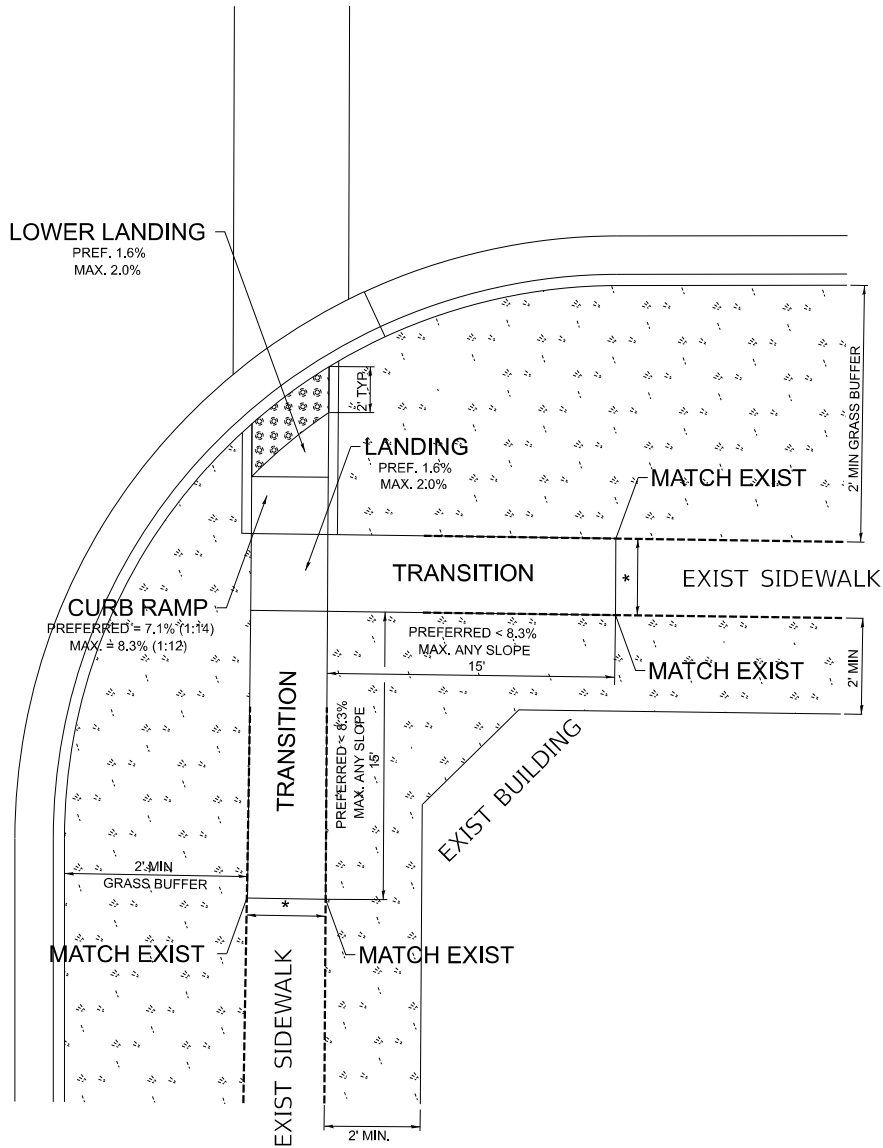
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	91
PD-03		CONTRACT NO. 62P93		
		ILLINOIS	FED. AID PROJECT	

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



LEGEND

- EXIST. GRASS
- PROPOSED SIDEWALK
- PROPOSED SIDE CURB
- DETECTABLE WARNINGS

CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

USER NAME	= Phillip.Steed	DESIGNED	-	REVISED	-
DRAWN	- R. LEDEZMA	CHECKED	-	REVISED	-
PLOT SCALE	= 100,000 ' / in.	DATE	- 10/02/2019	REVISED	-
PLOT DATE	= 9/3/2025				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
WITH TURNING SPACE (PD-04)

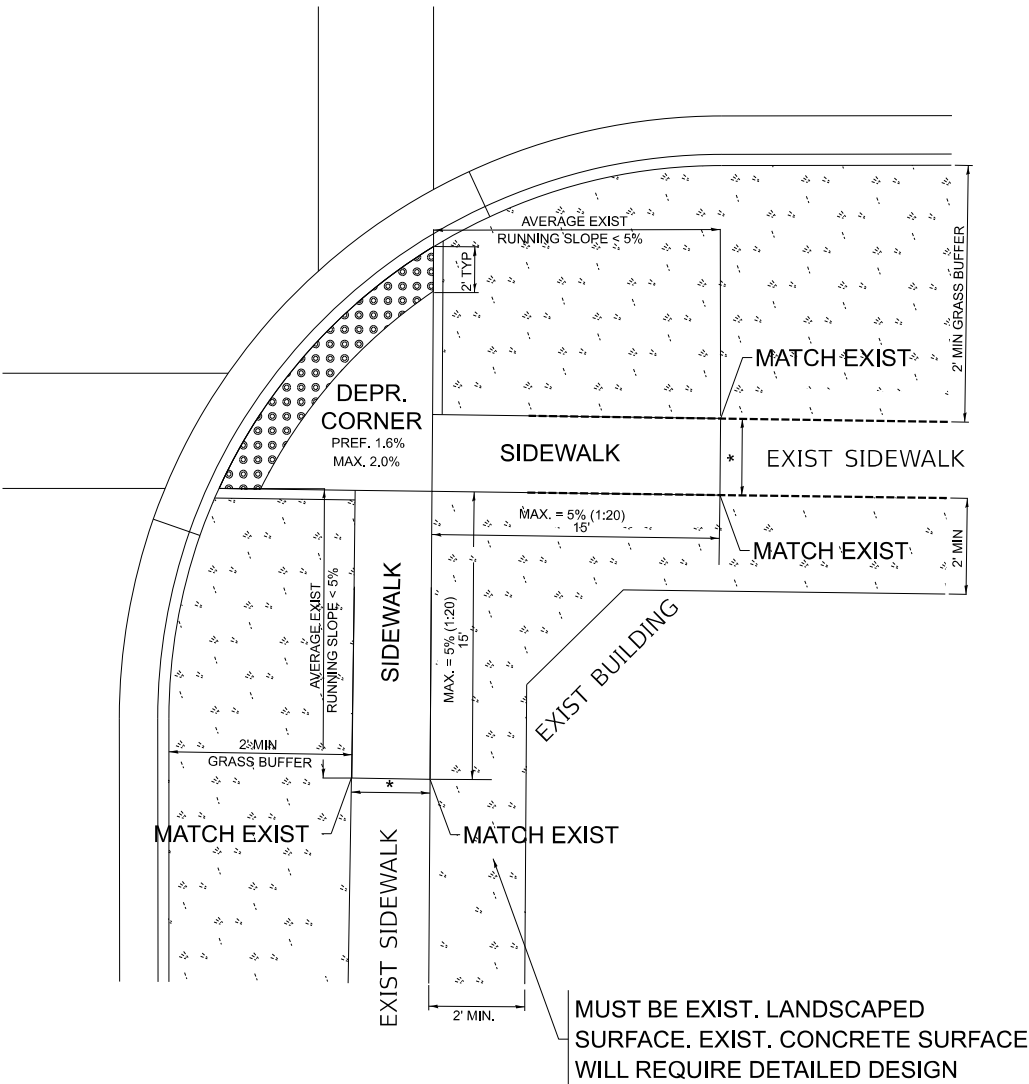
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	92
PD-04		CONTRACT NO. 62P93		
		ILLINOIS	FED. AID PROJECT	

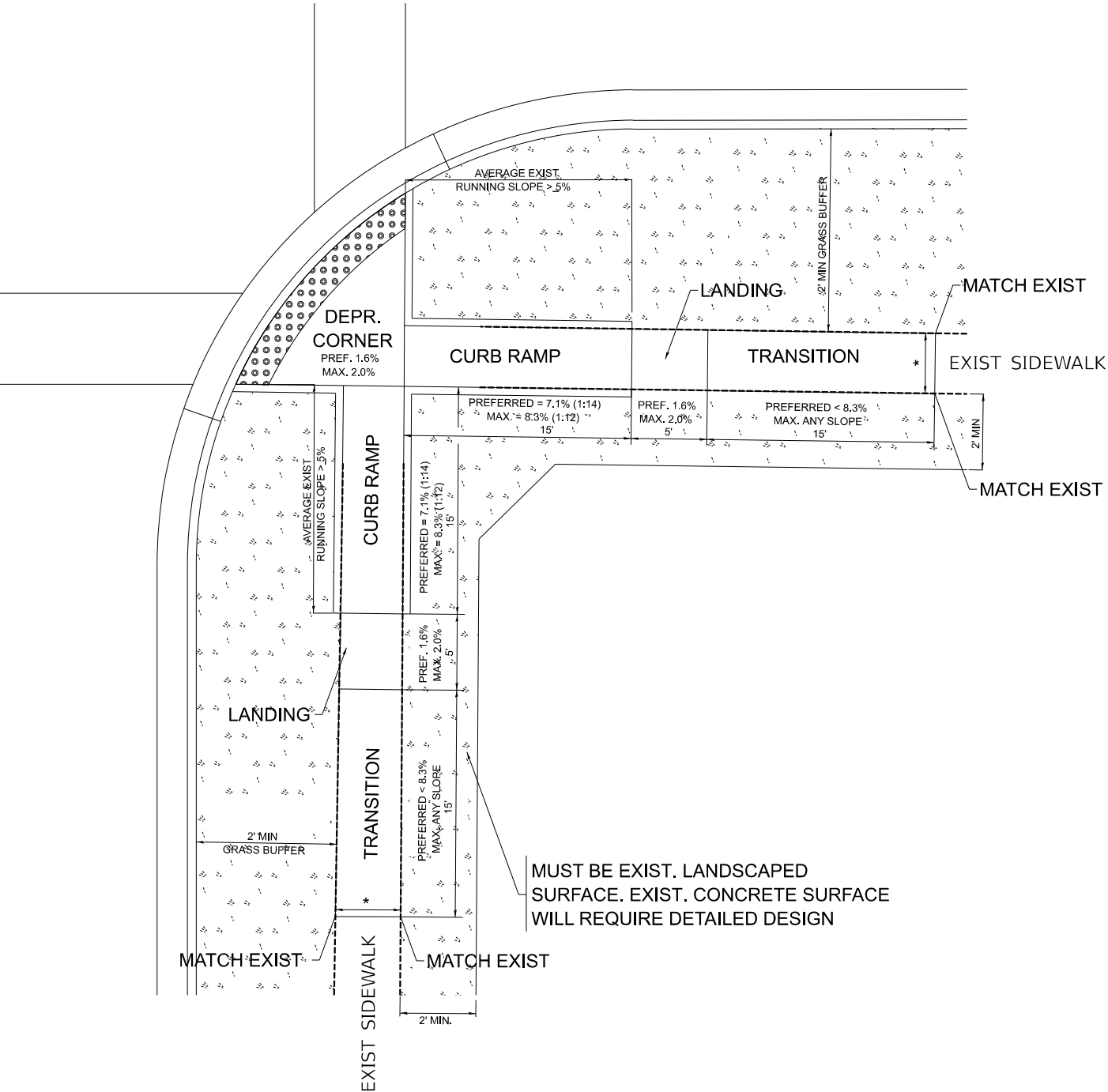
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Leyden-sht-details.dgn 9/3/2025 1:19:22 PM User=Phillip.Steed

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



LEGEND

PROPOSED SIDE CURB



PROPOSED SIDEWALK



CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

USER NAME	= Phillip.Steed	DESIGNED	-	REVISED	-
DRAWN	- R. LEDEZMA	REVISIONS	-	REVISIONS	-
PLOT SCALE	= 100,000 ' / in.	CHECKED	-	REVISIONS	-
PLOT DATE	= 9/3/2025	DATE	-	REVISIONS	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE DEPRESSED CORNER
CURB RAMPS (PD-05)

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	93
PD-05		CONTRACT NO. 62P93		
		ILLINOIS FED. AID PROJECT		

FILE NAME: [pw://ldot-pw.bentley.com/PW/IDOT/Documents/IDOT O ces/District 1/ORD Projects/PI26315/CADData/Leyden/CADsheets/Leyden-sht-details.dgn](http://pw://ldot-pw.bentley.com/PW/IDOT/Documents/IDOT%20ces/District%201/ORD%20Projects/PI26315/CADData/Leyden/CADsheets/Leyden-sht-details.dgn)

Technical drawing of a sidewalk and lower landing detail at a street corner. The drawing shows a sidewalk with a "LOWER LANDING" area, a "SIDEWALK" area, and a "LANDSCAPE OR PCC AREA". It includes dimensions for "AVERAGE EXIST. RUNNING SLOPE < 5%", "MATCH EXIST", and "2' MIN." for the sidewalk width. A note states: "MUST BE EXIST. LANDSCAPED SURFACE. EXIST. CONCRETE SURFACE WILL REQUIRE DETAILED DESIGN".

A detailed technical drawing of a ramp and landing layout. The drawing includes the following elements and annotations:

- LANDSCAPE OR PCC AREA**: Located at the top and bottom of the drawing.
- LANDING**: Located at the top and bottom of the drawing.
- RAMP**: The central sloped section of the layout.
- TRANSITION ***: Indicated by an asterisk and a line pointing to the transition area.
- MATCH EXIST**: Four locations where the new layout meets existing conditions.
- DETECTABLE WARNING FROM BACK OF CROSSWALK TO BACK OF CROSSWALK**: A note pointing to a hatched area on the ramp.
- PREF. 1.6% MAX. 2.0%**: Slope specifications for the ramp and landing areas.
- PREF. 7.1% (1:14) MAX. 8.3% (1:12)**: Slope specifications for the ramp.
- PREF. 1.6% MAX. 2.0%**: Slope specifications for the landing.
- PREF. 8.3% MAX. ANY SLOPE**: Slope specifications for the transition area.
- PREF. 7.1% (1:14) MAX. 8.3% (1:12)**: Slope specifications for the ramp.
- PREF. 1.6% MAX. 2.0%**: Slope specifications for the landing.
- PREF. 8.3% MAX. ANY SLOPE**: Slope specifications for the transition area.
- 2' MIN.**: Minimum width dimension for the transition area.
- AVERAGE EXIST. RUNNING SLOPE > 5%**: A note pointing to the existing ground line.
- MUST BE EXIST. LANDSCAPED SURFACE. EXIST. CONCRETE SURFACE WILL REQUIRE DETAILED DESIGN**: A note pointing to the existing ground line.

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

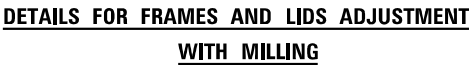
* MATCH EXISTING SIDEWALK WIDTH

USER NAME = Phillip, Steed	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 100,000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/3/2025	DATE - 10/02/2019	REVISED -

PROJECT DETAIL FOR PARALLEL CURB RAMPS (PD-06)

SCALE: NONE	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-172-SW	COOK	110	94
PD-06		CONTRACT NO. 62P93		
ILLINOIS		FED. AID PROJECT		



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.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

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. 3 (80) 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-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

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."

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

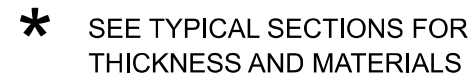
THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

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.

	USER NAME = Phillip, Steed	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-II	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,000 ' / in.	DRAWN -	REVISED - R. BORO I2-06-II						VAR	2021-172-SW	COOK	110	95
	PLOT DATE = 9/3/2025	CHECKED -	REVISED - K. SMITH II-18-22		BD600-03 (BD-08)		CONTRACT NO. 62P93						
	DATE - 10-25-94	REVISED - K. SMITH 09-I5-23	SCALE: NONE		SHEET 1 OF 1 SHEETS	STA.	TO STA.						
							ILLINOIS	FED. AID PROJECT					

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."

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.



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.

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 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.

FILE NAME: D:\PROJECTS\2021\2021-172-SW\2021-172-SW.dwg	USER NAME = Phillip,Steed	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - R. BORO 09-04-07			VAR	2021-172-SW	COOK	110	96	
	PLOT SCALE = 100,000 ' / in.	CHECKED -	REVISED - K. ENG 10-27-08			BD400-04 (BD-22) CONTRACT NO. 62P93					
	PLOT DATE = 9/3/2025	DATE - 10-25-94	REVISED - K. SMITH 11-18-22			ILLINOIS	FED. AID PROJECT				
	SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.								

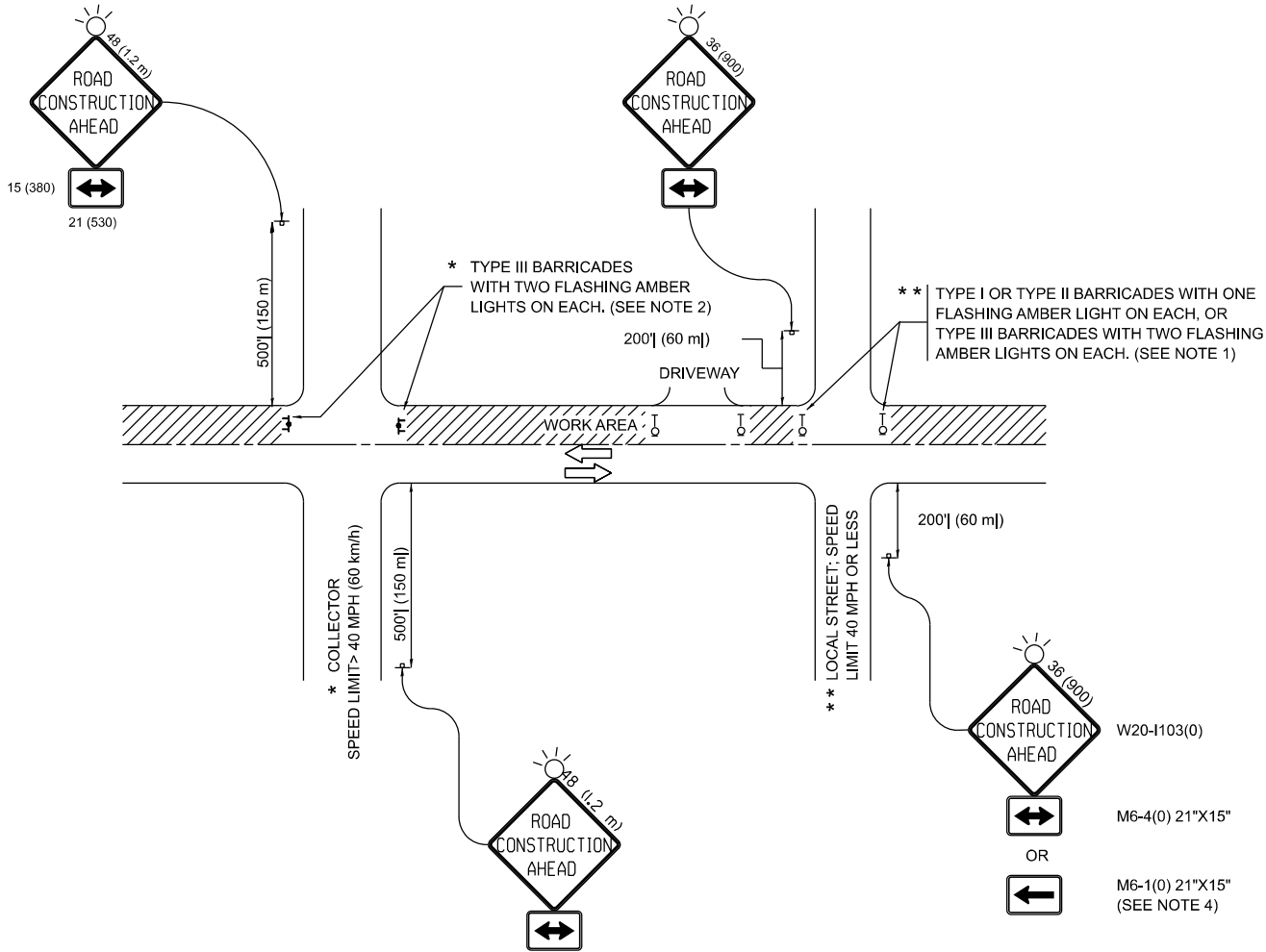
MODEL: Default
FILE NAME: p:\11dlet-sw.bentley.com\FWIDOT\Documents\DOT 0 cas\Dist41_1\ORD Projects\8126315\CADDData\Leyden\CAD\sheet\Leyden-sht-details.dgn

USER NAME	= Phillip.Steed	DESIGNED	- L.H.A.	REVISED	- T. RAMMACHER 01-06-00
		DRAWN	-	REVISED	- A. SCHUETZE 07-01-13
PLOT SCALE	= 100,000 ' / in.	CHECKED	-	REVISED	- A. SCHUETZE 09-15-16
PLOT DATE	= 9/3/2025	DATE	- 06-89	REVISED	- D. SENDERAK 05-03-24

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS				
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA. TO STA.

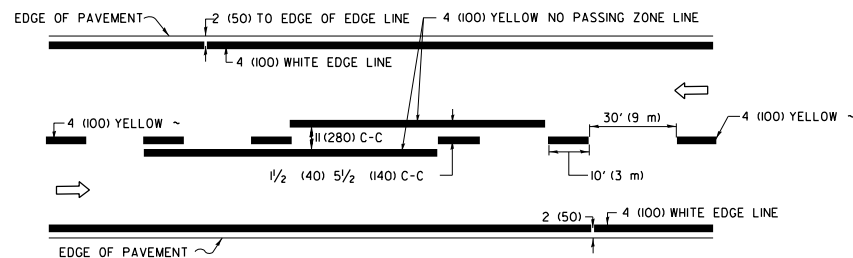
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-172-SW	COOK	110	98
TC-10		CONTRACT NO. 62P93		
		ILLINOIS	FED. AID PROJECT	



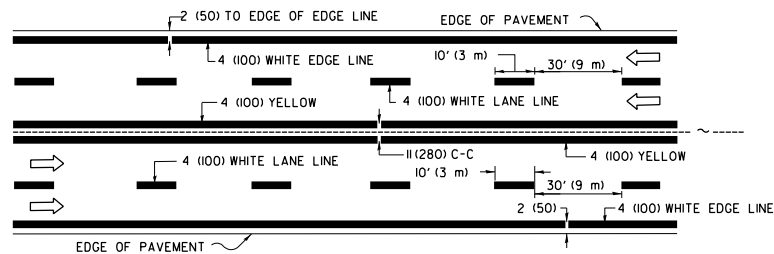
NOTES:

- 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.

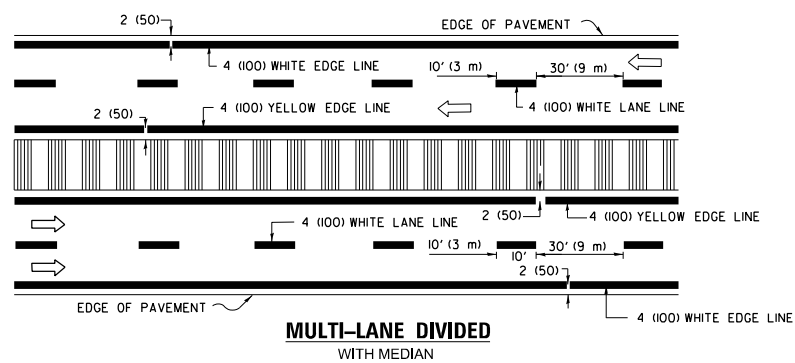
All dimensions are in inches (millimeters)
unless otherwise shown.



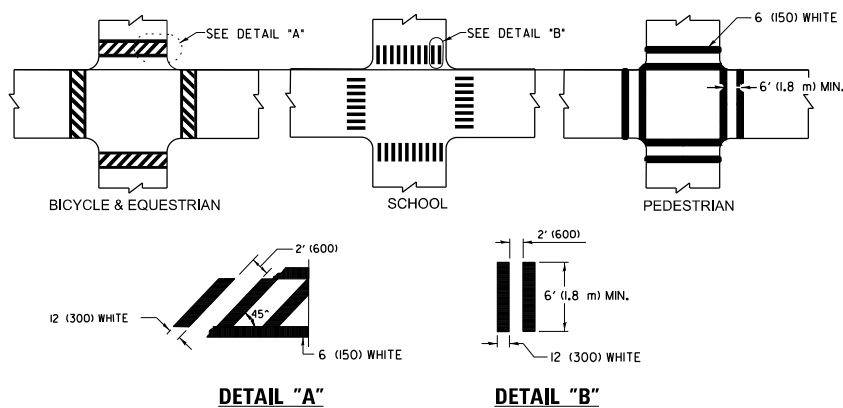
2-LANE ROADWAY



MULTI-LANE UNDIVIDED

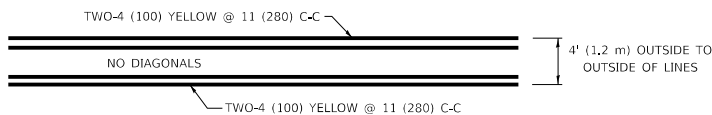


TYPICAL LANE AND EDGE LINE MARKING

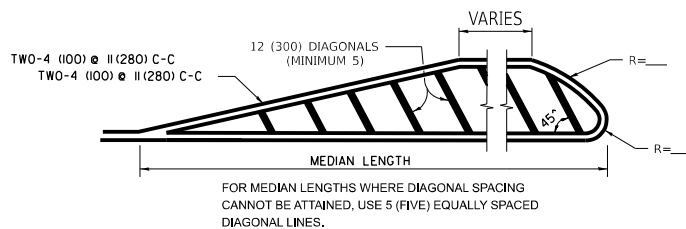


TYPICAL CROSSWALK MARKING

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

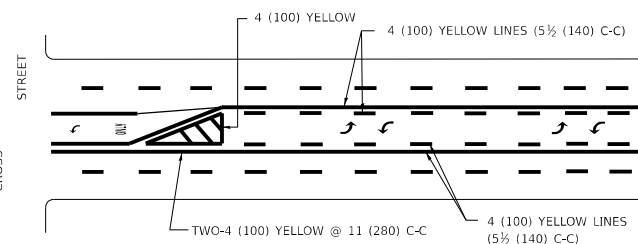


4' (1.2 m) WIDE MEDIANS ONLY

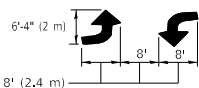


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

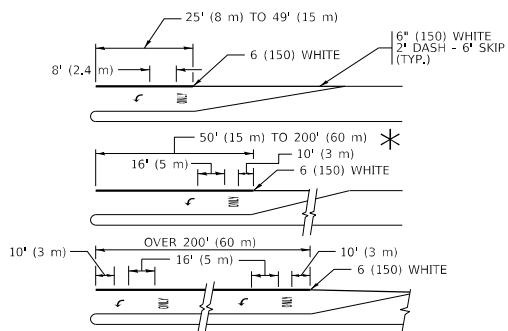


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

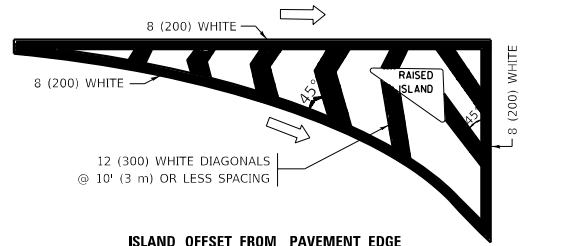


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.

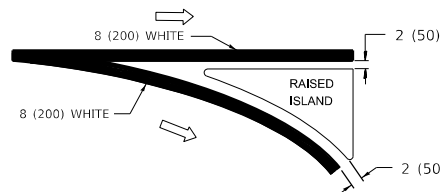
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

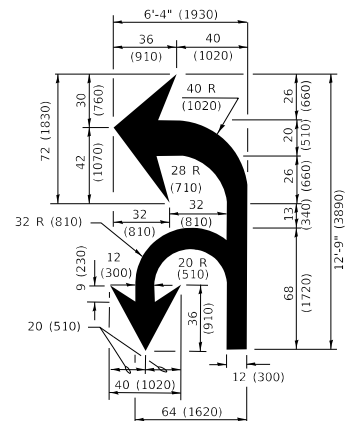


ISLAND OFFSET FROM PAVEMENT EDGE

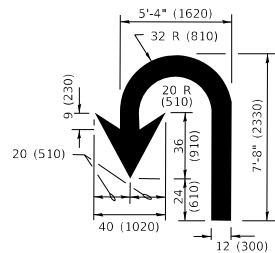


ISLAND AT PAVEMENT EDGE

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	5½ (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 ½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.0 SQ. FT. (0.33 m) 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).

USER NAME = Phillip, Steed	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 100,000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 9/3/2025	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					VAR	2021-172-SW	COOK	110	99
					TC-13			CONTRACT NO. 62P93	
SCALE: NONE	SHEET 1	OF 2	SHEETS	STA.	TO STA.				

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

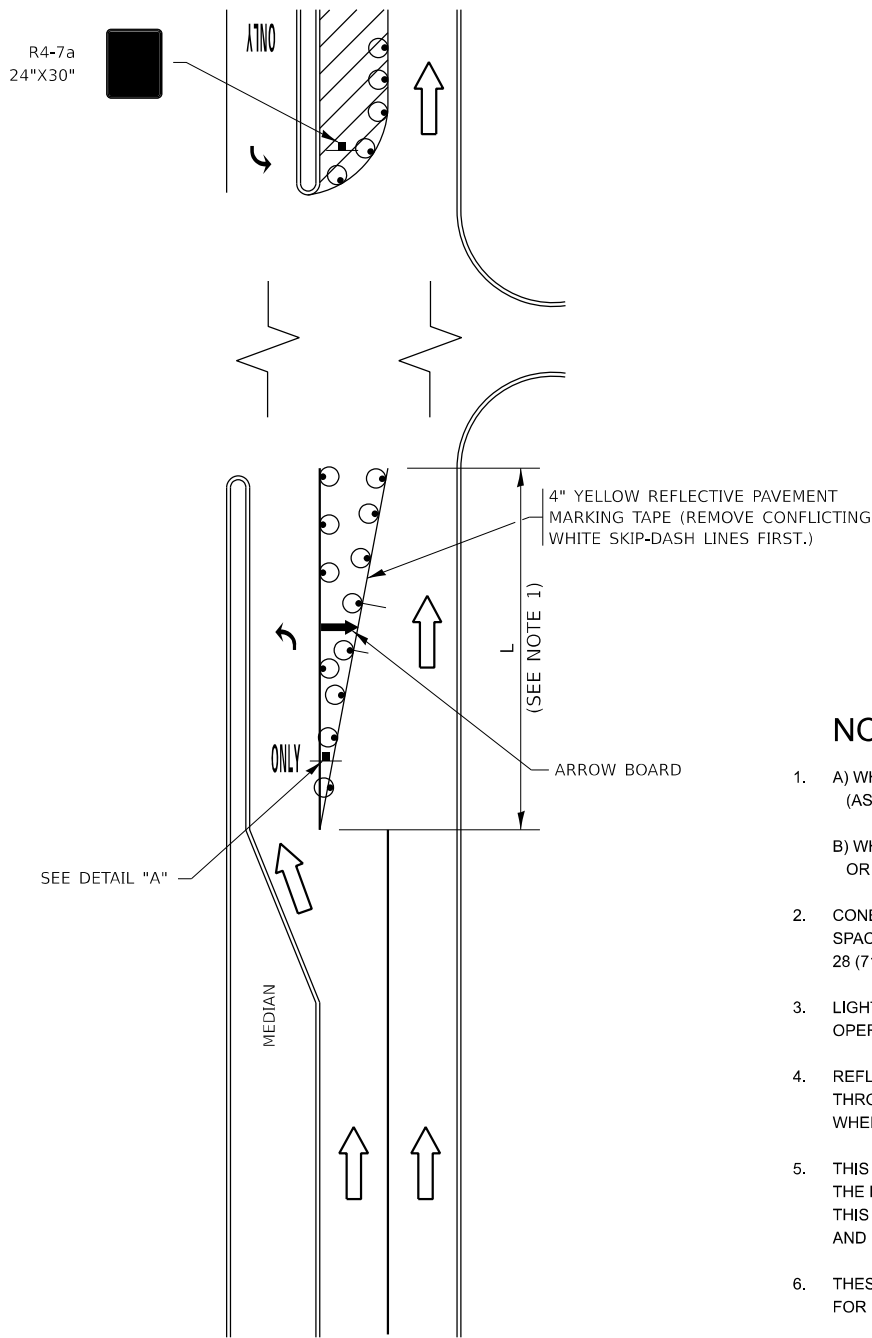


FIGURE 1

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:

- 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.
- 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.
- LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- 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.
- 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-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
- 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.

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

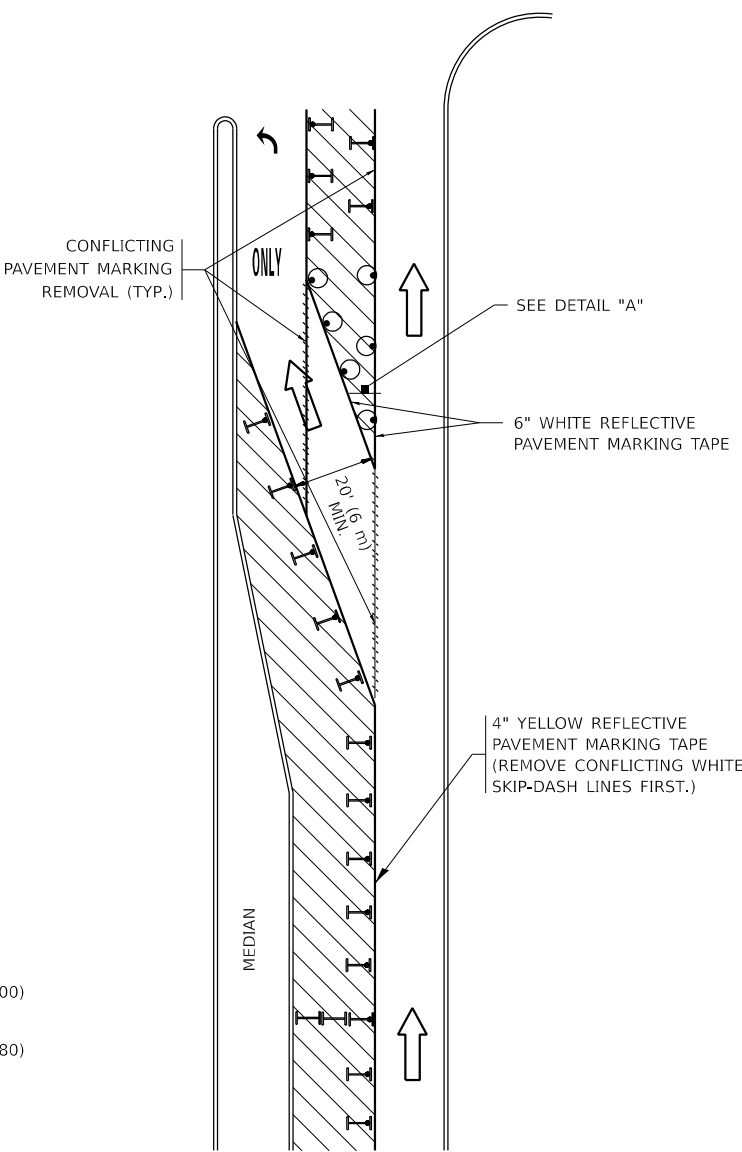
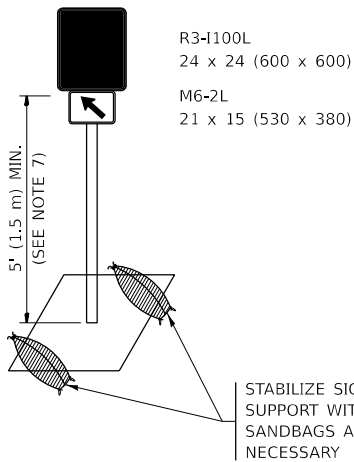


FIGURE 2



DETAIL A

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

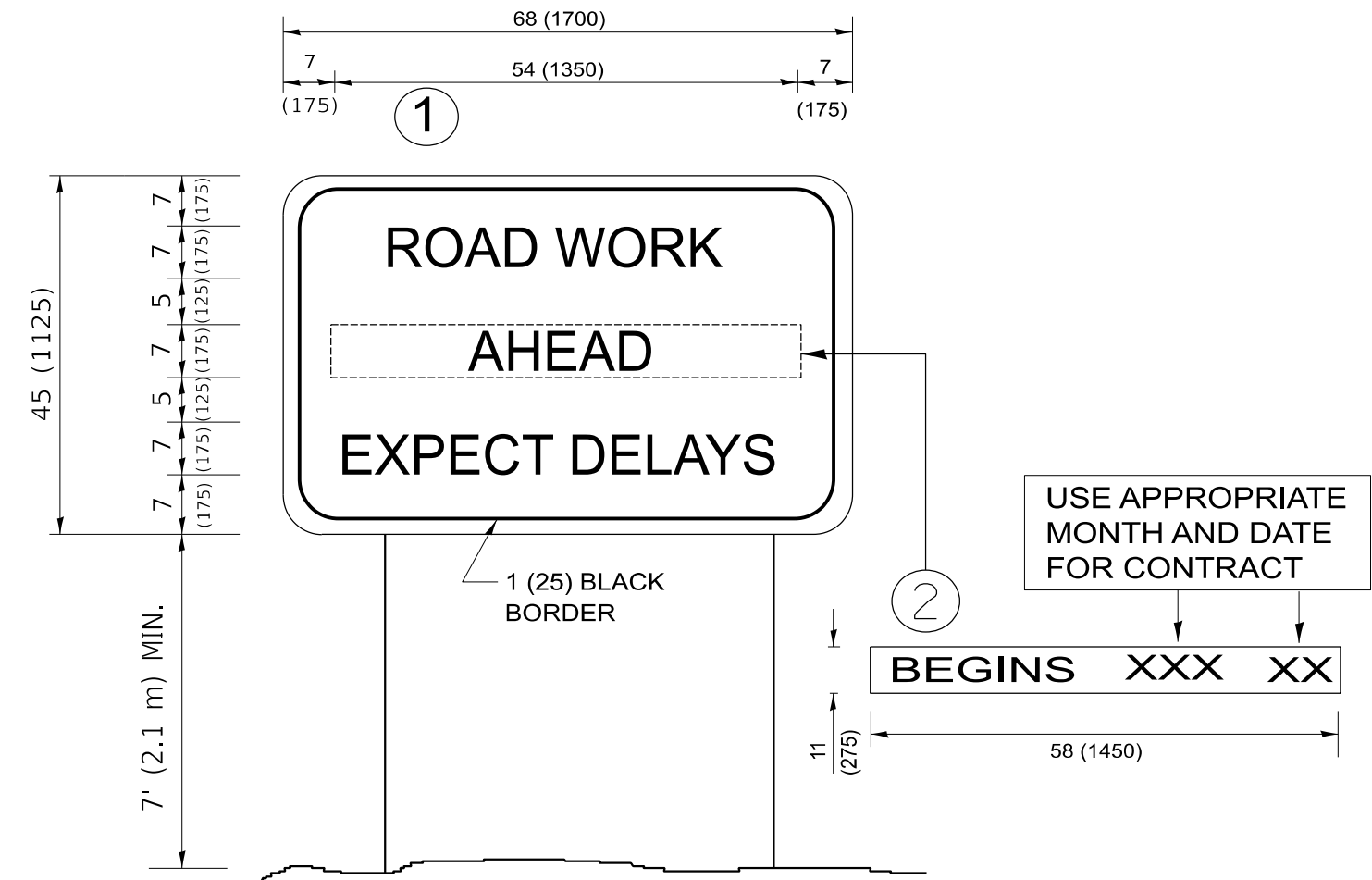
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-172-SW	COOK	110	100
TC-14		CONTRACT NO. 62P93		
		ILLINOIS FED. AID PROJECT		

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

MODEL: Default
FILE NAME: p:\w\ldebt-sw-bentley.com\FW\DOT\Documents\DOT 0 cas\DistHt_1\OR0 Projects\p126315\CADD\as\Levden\CA\DirectHt\Levden-sh-t-details.dgn



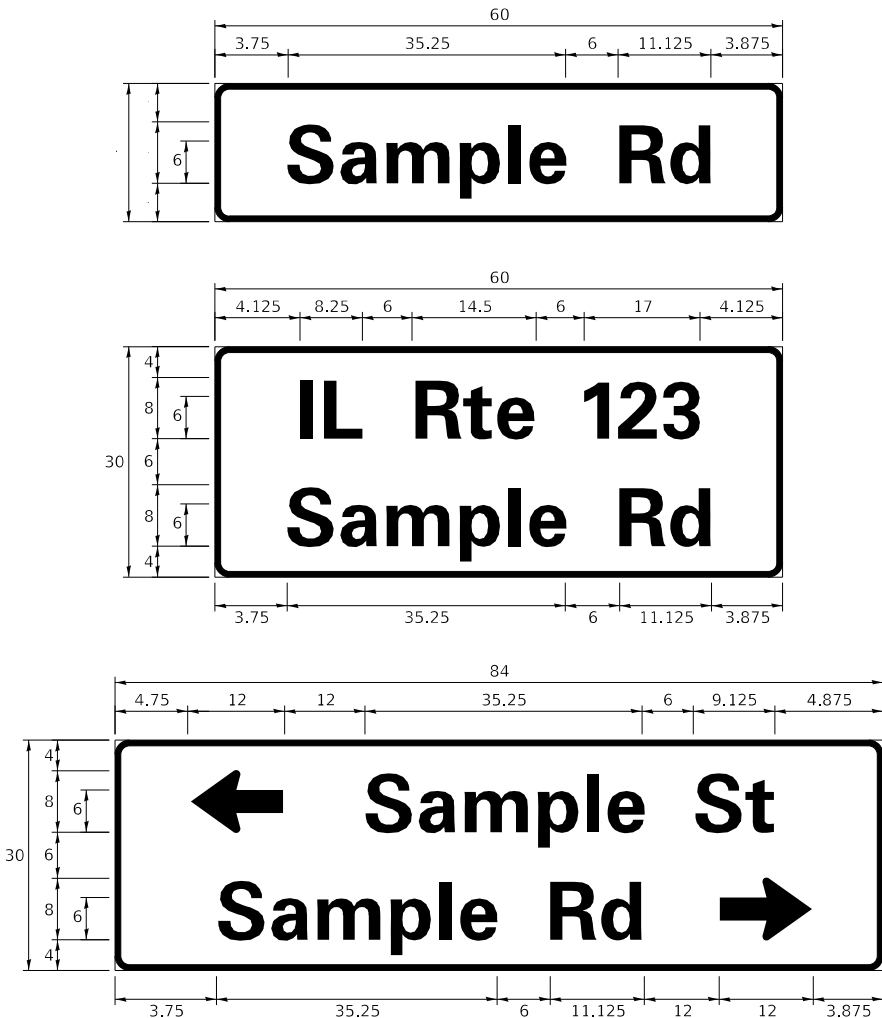
NOTES:

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 ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

	USER NAME = Phillip.Steed	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97						VAR	2021-172-SW	COOK	110	101
	PLOT SCALE = 100,000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 02-02-99						TC-22		CONTRACT NO. 62P93		
	PLOT DATE = 9/3/2025	DATE -	REVISED - C. JUCIUS 01-31-07						ILLINOIS FED. AID PROJECT				
				SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.				

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:

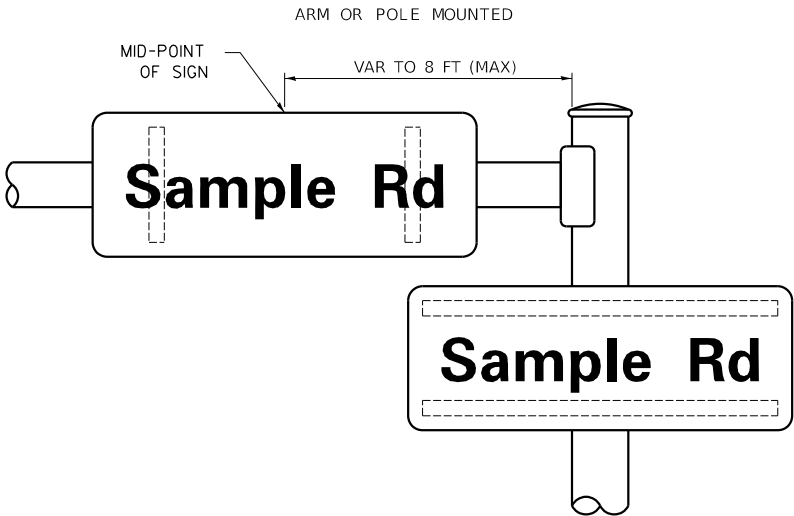
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

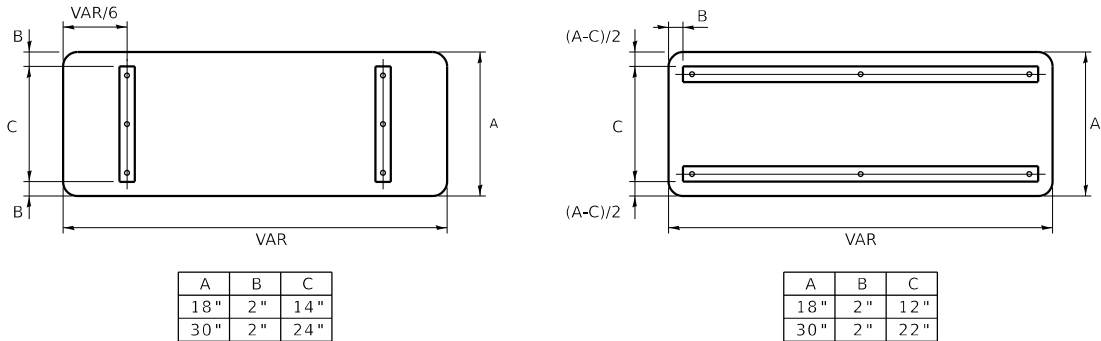
- SIGN CHANNEL
SIGN SCREWS
PART #HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

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

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

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

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	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	4.002	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

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Levden-sht-details.dgn 9/3/2025 1:31:11 PM User=Phillip.Steed

USER NAME = Phillip.Steed	DESIGNED - LP/IP	REVISED - LP 07/01/2015
DRAWN - LP	REVIS	
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PLOT DATE = 9/3/2025	DATE - 10/01/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

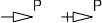
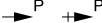
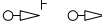
DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-172-SW	COOK	110	102
TS-02		CONTRACT NO. 62P93		
ILLINOIS		FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

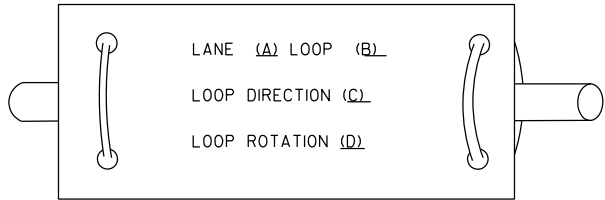
ITEM				EXISTING		PROPOSED		ITEM				EXISTING		PROPOSED	
CONTROLLER CABINET								HANDHOLE -SQUARE -ROUND							
COMMUNICATION CABINET								HEAVY DUTY HANDHOLE -SQUARE -ROUND							
MASTER CONTROLLER								DOUBLE HANDHOLE							
MASTER MASTER CONTROLLER								JUNCTION BOX							
UNINTERRUPTABLE POWER SUPPLY								RAILROAD CANTILEVER MAST ARM							
SERVICE INSTALLATION -(P) POLE MOUNTED								RAILROAD FLASHING SIGNAL							
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED				 		 		RAILROAD CROSSING GATE							
TELEPHONE CONNECTION								RAILROAD CROSSBUCK							
STEEL MAST ARM ASSEMBLY AND POLE								RAILROAD CONTROLLER CABINET							
ALUMINUM MAST ARM ASSEMBLY AND POLE								UNDERGROUND CONDUIT (UC), GALVANIZED STEEL							
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE								TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE							
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY								SYSTEM ITEM				S		SP	
WOOD POLE								INTERSECTION ITEM				I		IP	
GUY WIRE								REMOVE ITEM						R	
SIGNAL HEAD								RELOCATE ITEM						RL	
SIGNAL HEAD WITH BACKPLATE								ABANDON ITEM						A	
SIGNAL HEAD OPTICALLY PROGRAMMED								CONTROLLER CABINET AND FOUNDATION TO BE REMOVED						RCF	
FLASHER INSTALLATION -(FS) SOLAR POWERED				 		 		MAST ARM POLE AND FOUNDATION TO BE REMOVED						RMF	
				 		 		SIGNAL POST AND FOUNDATION TO BE REMOVED						RPF	
PEDESTRIAN SIGNAL HEAD								DETECTOR LOOP, TYPE I							
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON				 		 		PREFORMED DETECTOR LOOP							
RADAR DETECTION SENSOR								SAMPLING (SYSTEM) DETECTOR							
VIDEO DETECTION CAMERA								INTERSECTION AND SAMPLING (SYSTEM) DETECTOR							
RADAR/VIDEO DETECTION ZONE								QUEUE AND SAMPLING (SYSTEM) DETECTOR							
PAN, TILT, ZOOM (PTZ) CAMERA								WIRELESS DETECTOR SENSOR							
EMERGENCY VEHICLE LIGHT DETECTOR								WIRELESS ACCESS POINT							
CONFIMATION BEACON															
WIRELESS INTERCONNECT															
WIRELESS INTERCONNECT RADIO REPEATER															

	USER NAME	= Phillip.Steed		DESIGNED	-	IP	REVISED	-		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.							
				DRAWN	-	IP	REVISED	-						VAR	2021-172-SW	COOK	110	103							
	PLOT SCALE	= 100,000 ' / in.		CHECKED	-	LP	REVISED	-			SCALE: NONE			SHEET	1	OF	7	SHEETS	STA.	TO	STA.	TS-05		CONTRACT NO. 62P93	
	PLOT DATE	= 9/3/2025		DATE	-	9/29/2016	REVISED	-						ILLINOIS FED. AID PROJECT											

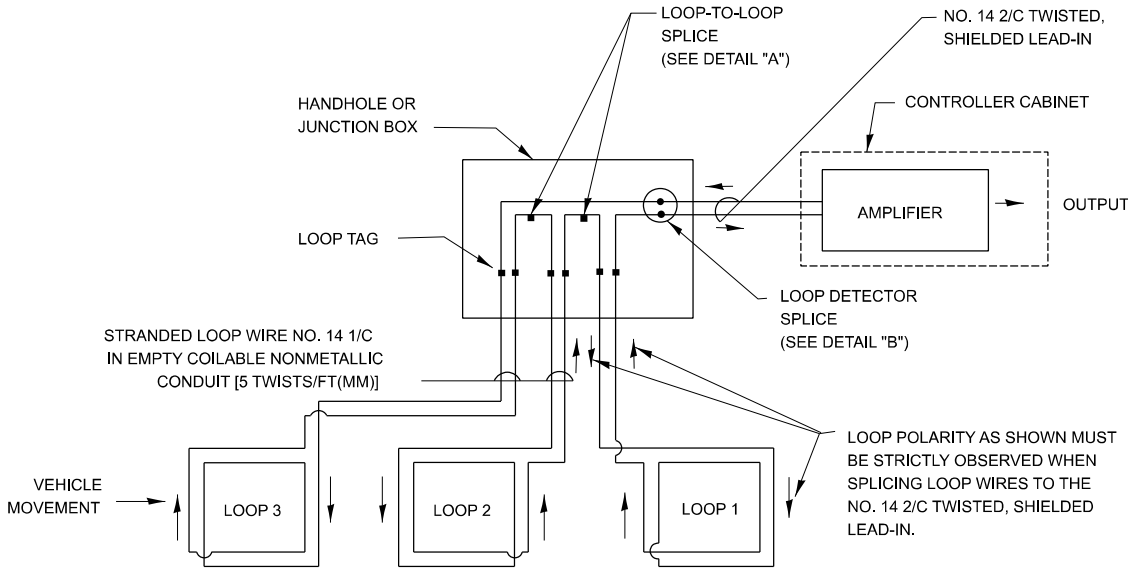
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

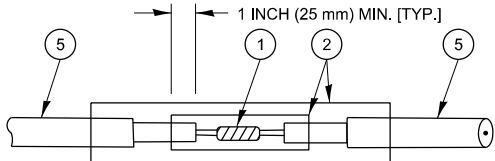


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

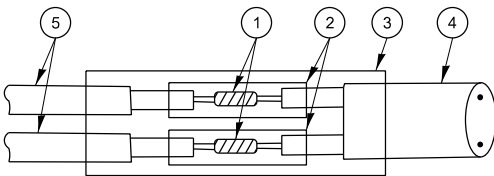


DETECTOR LOOP WIRING SCHEMATIC

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

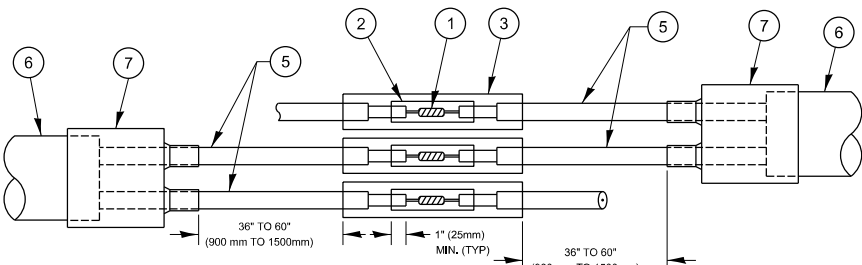


DETAIL "A"
LOOP-TO-LOOP SPLICE

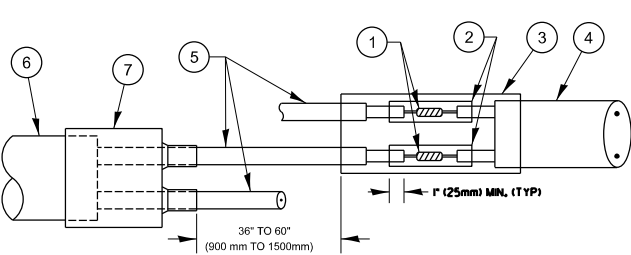


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED 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 LENGHT 6" (150 mm), UNDERWATER GRADE.
4. NO. 14 2/C TWISTED, SHIELDED CABLE.
5. LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
6. XL POLYOLEFIN 2 CONDUCTOR
7. BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

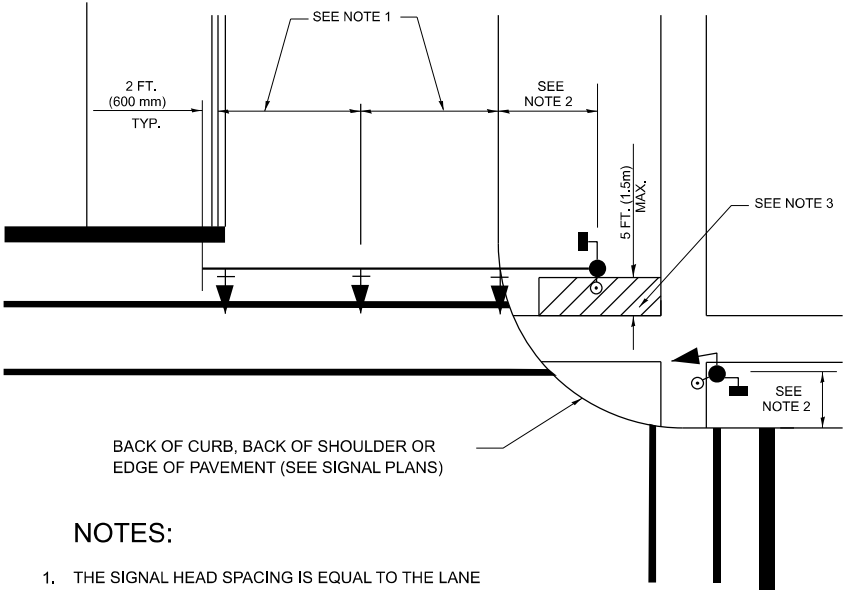
SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-172-SW	COOK	110	104
TS-05		CONTRACT NO. 62P93		
		ILLINOIS	FED. AID PROJECT	

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TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

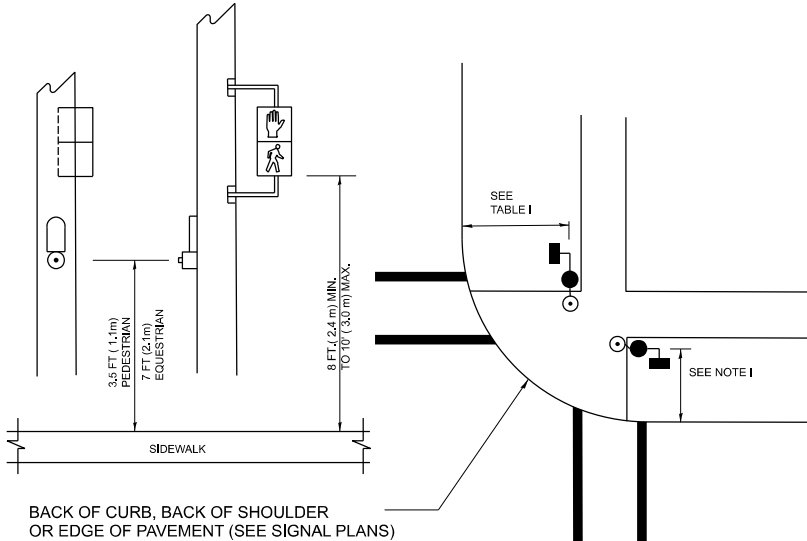
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

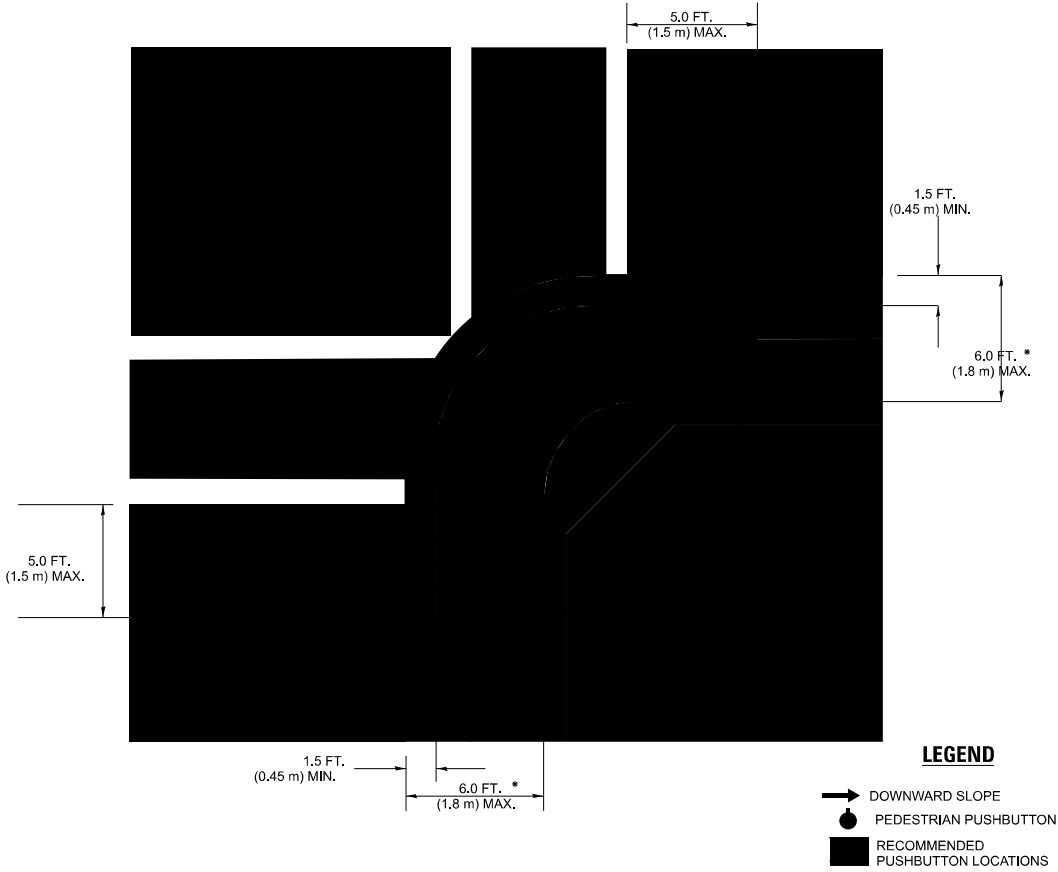
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

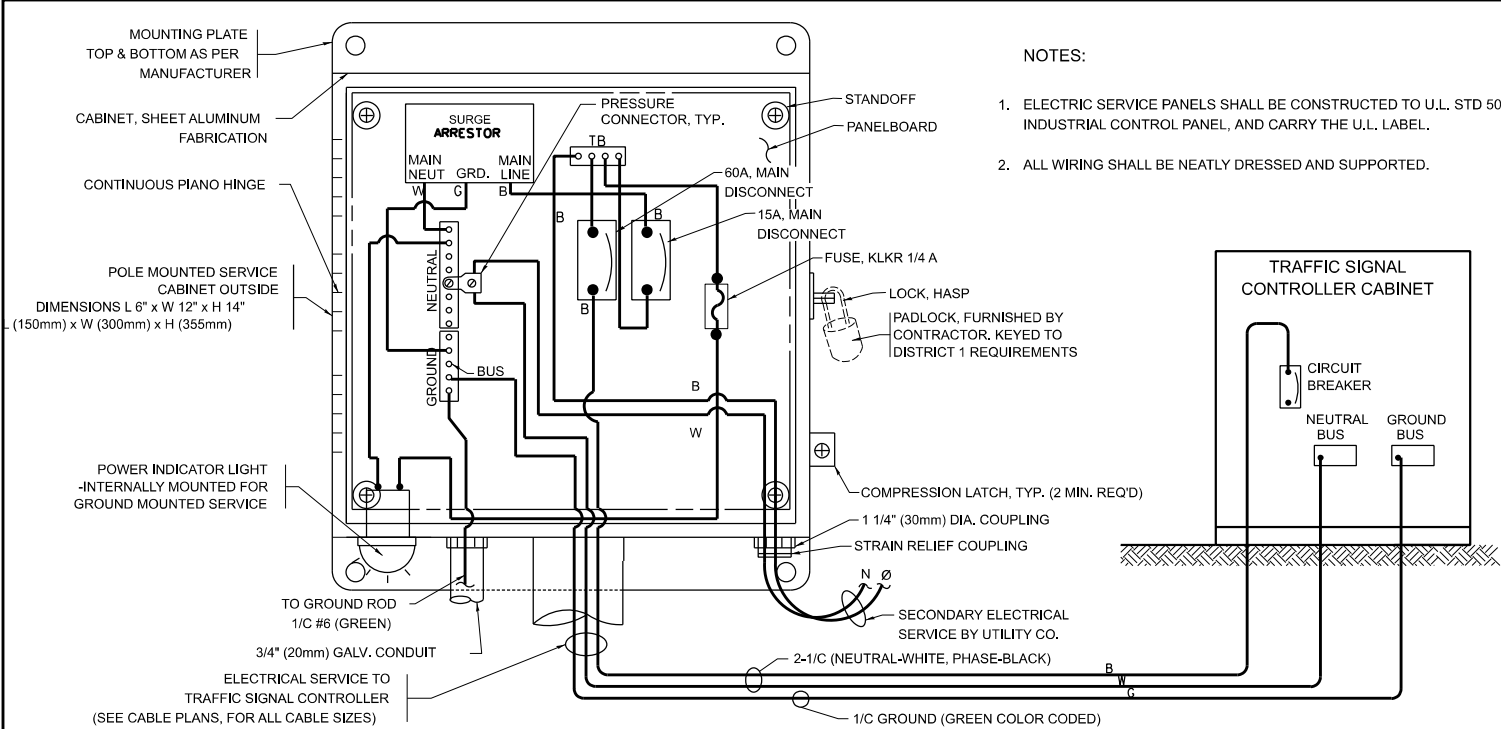
TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

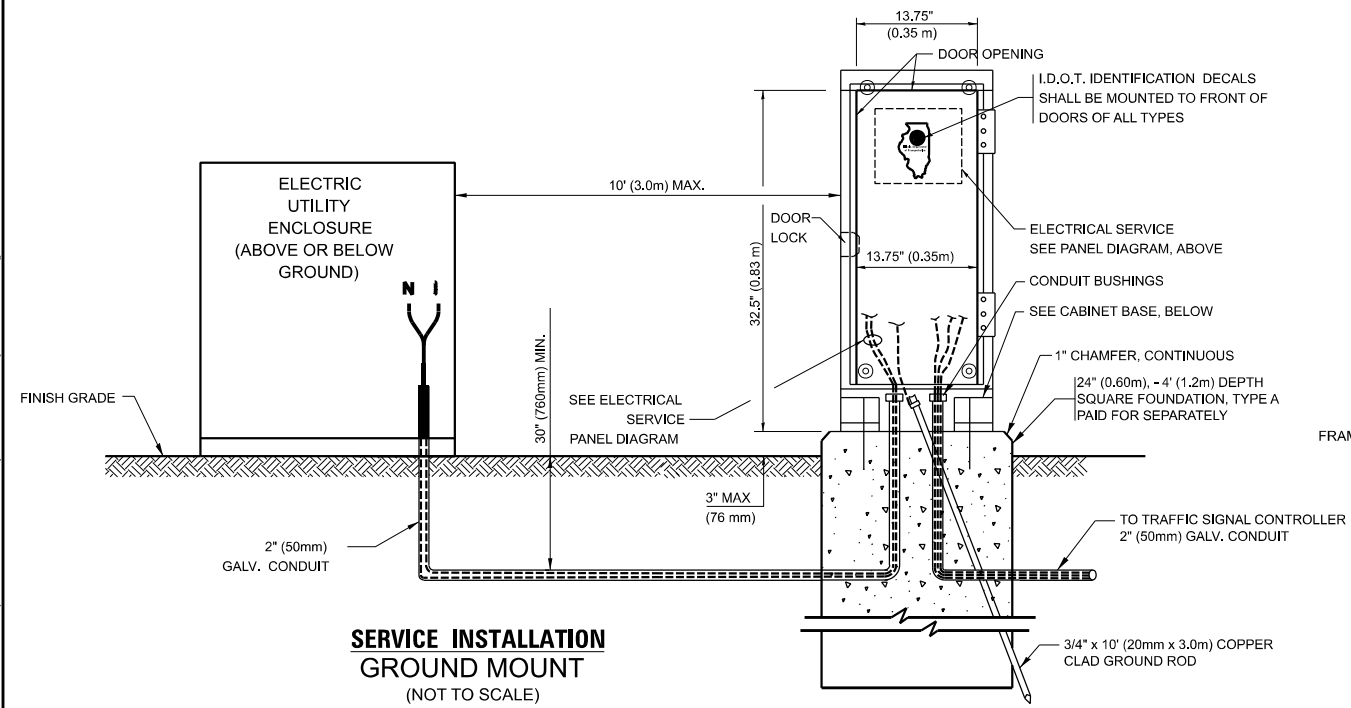
NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

	USER NAME = Phillip.Steed	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			VAR	2021-172-SW	COOK	110	105
	PLOT SCALE = 100,000 ' / in.	CHECKED -	REVISED -			TS-05		CONTRACT NO. 62P93		
	PLOT DATE = 9/3/2025	DATE -	REVISED -			SCALE: NONE		SHEET 3 OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT

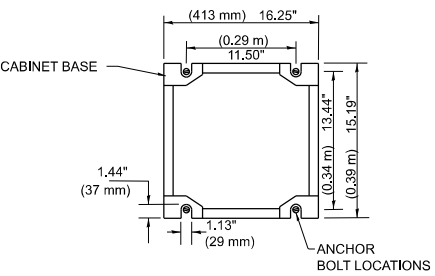


ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)



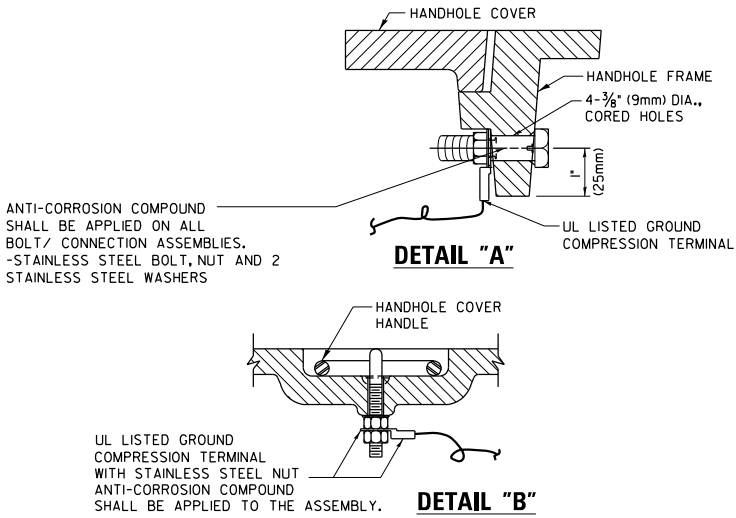
SERVICE INSTALLATION GROUND MOUNT
(NOT TO SCALE)

CABINET – BASE BOLT PATTERN
(NOT TO SCALE)

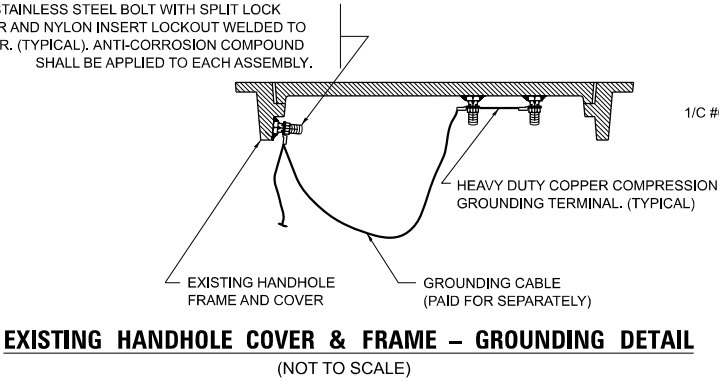


NOTES:

- 1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
- 2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



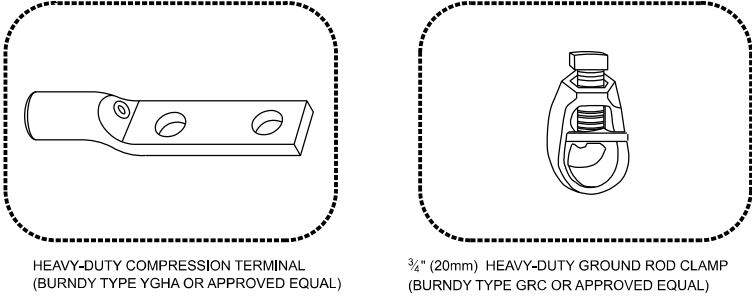
HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)

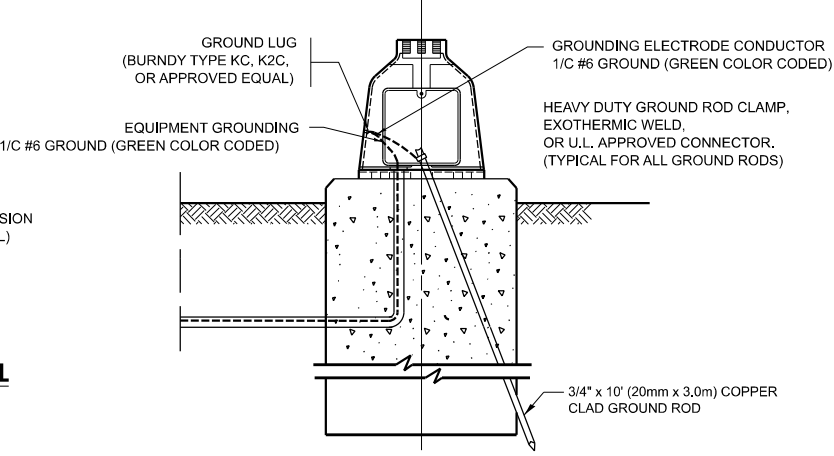
NOTES:
GROUNDING SYSTEM

- 1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- 2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- 3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- 4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



NOTES:

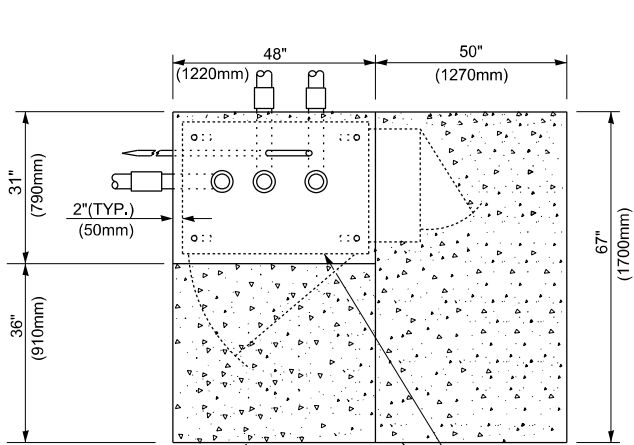
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



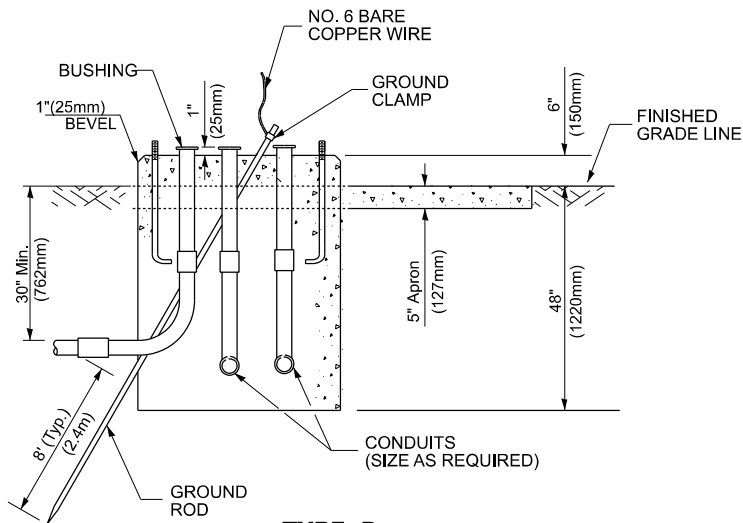
MAST ARM POLE /POST-GROUNDING DETAIL
(NOT TO SCALE)

MODEL: Default FILE NAME: p:\libet-sw-bentley.com\FWIDOT\Documents\DOT 0 cas\Dist1-110RD Projects\p126315\CADD\dist1\evden-sh-t-details.dgn evden-sh-t-details.dgn	USER NAME = Phillip.Steed		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		CHECKED -	REVISED -						VAR	2021-172-SW	COOK	110	106
	PLOT SCALE = 100,000 ' / in.		DATE -	REVISED -		SCALE: NONE				CONTRACT NO. 62P93				
	PLOT DATE = 9/3/2025					SHEET 4 OF 7 SHEETS				ILLINOIS / FED. AID PROJECT				

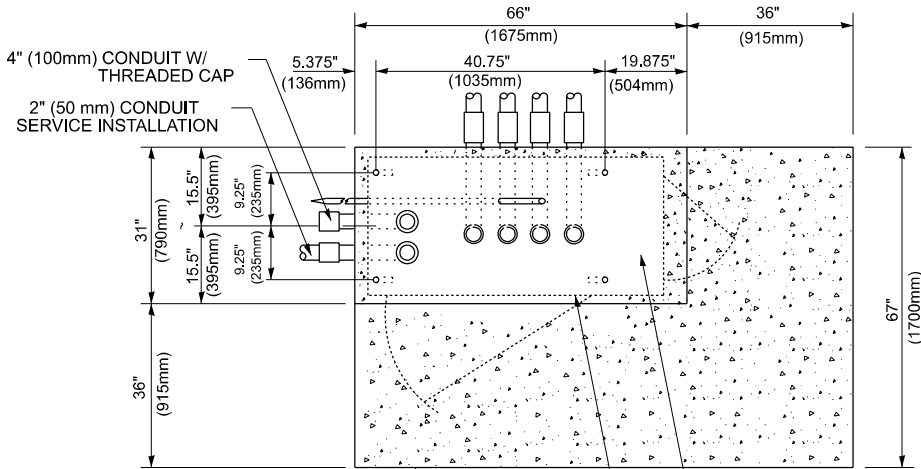
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TOP VIEW



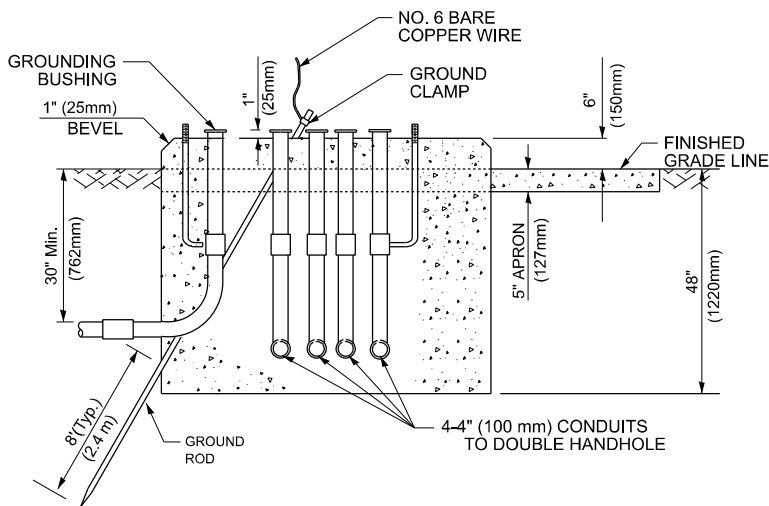
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



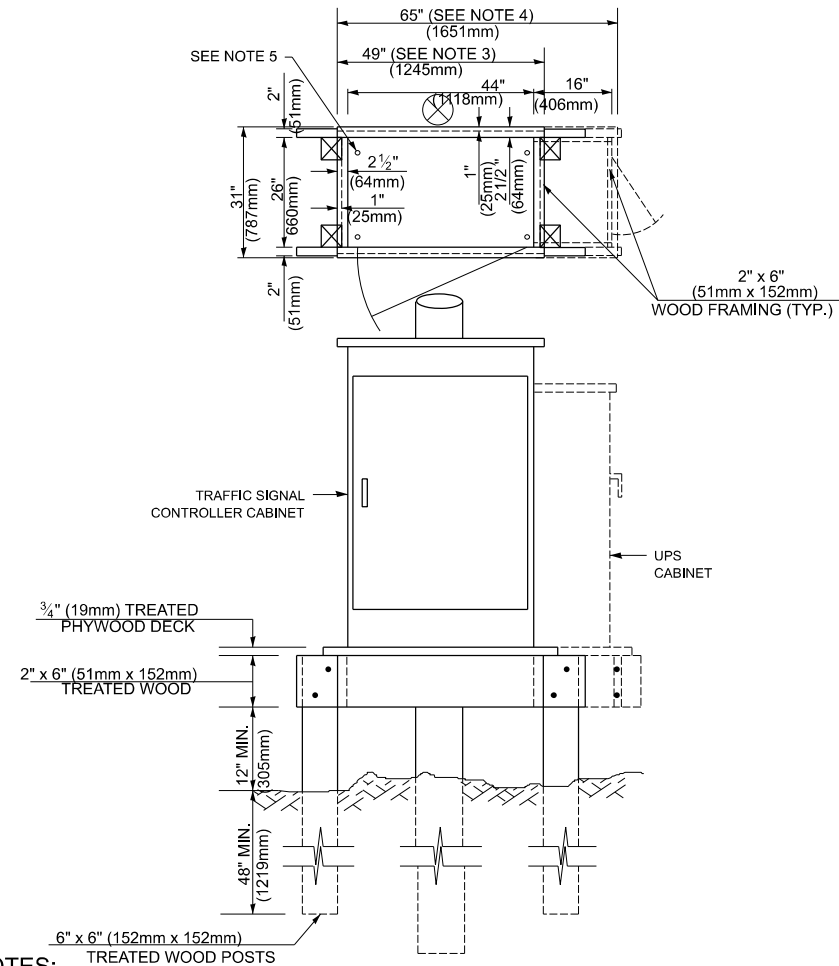
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL
BE HIGHER THAN TOP OF
DOUBLE HANDHOLE



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

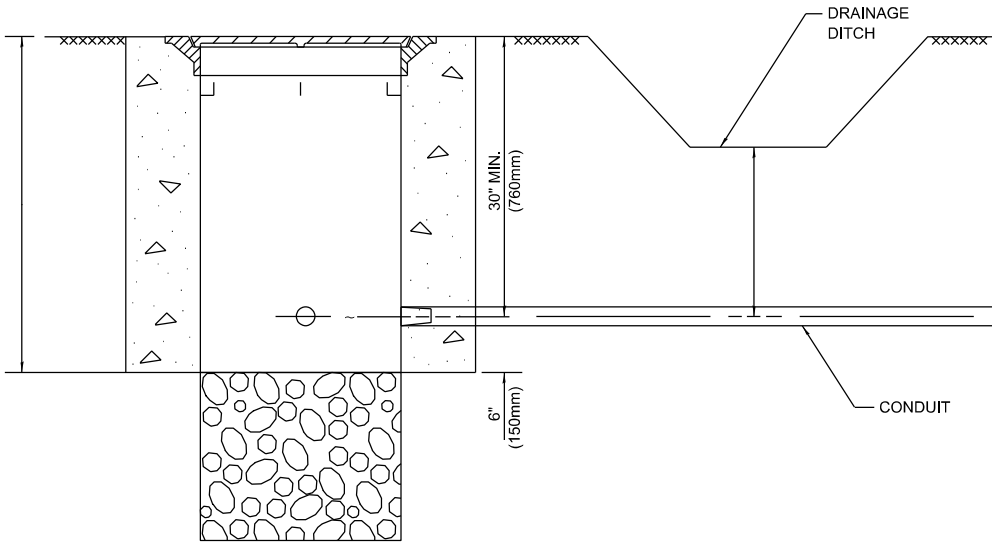
Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1m) and less than 40' (12.2 m)	13'-6" (4.1m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal 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 (Q_{ul}) > 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 dualarms refer to state standard 87800L.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

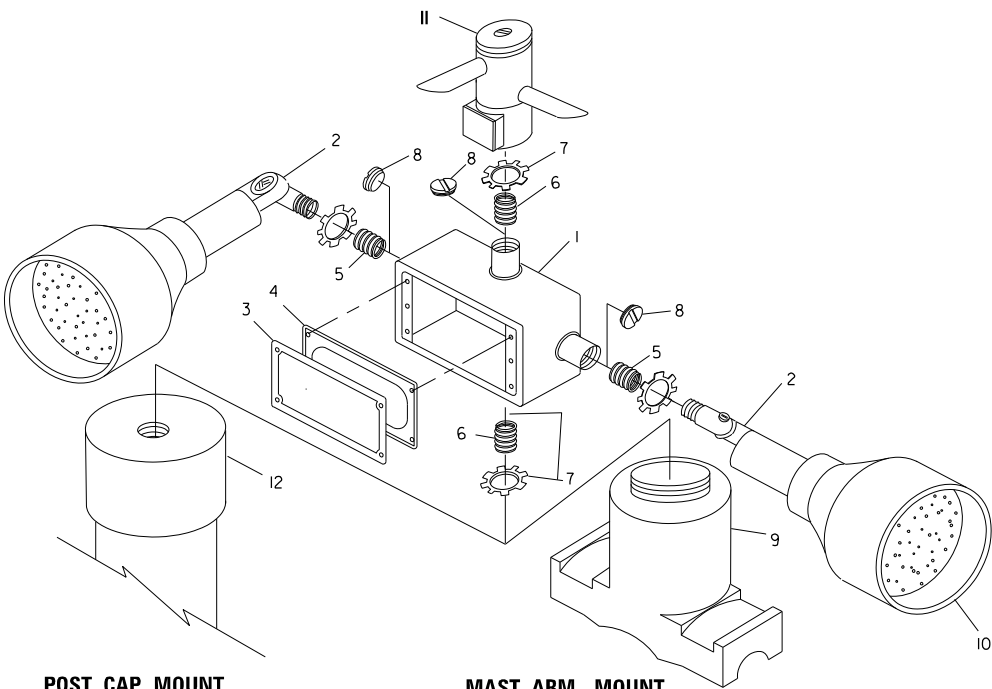
	USER NAME = Phillip,Speed	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR	2021-172-SW	COOK	110	107
	PLOT SCALE = 100,000 ' / in.	CHECKED -	REVISED -		TS-05		CONTRACT NO. 62P93						
	PLOT DATE = 9/3/2025	DATE -	REVISED -		SCALE: NONE		SHEET 5	OF 7	SHEETS	STA.	TO STA.		
ILLINOIS FED. AID PROJECT													



NOTES:

- CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
- THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
- THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

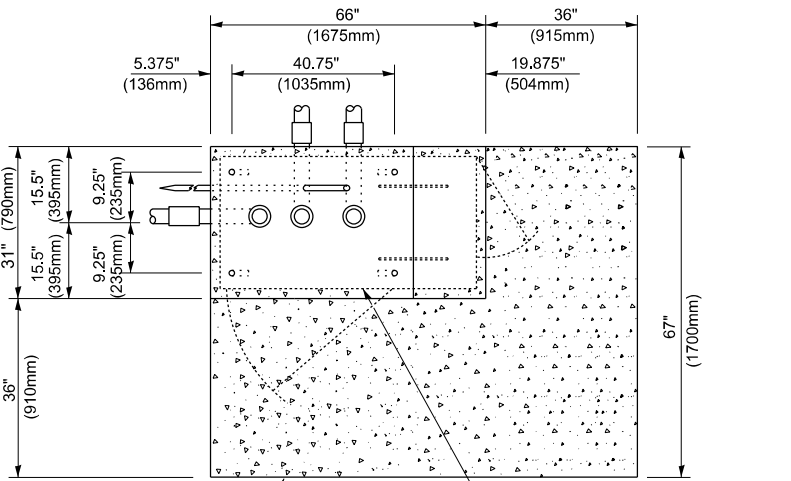
HANDHOLE WITH MINIMUM CONDUIT DEPTH (NOT TO SCALE)



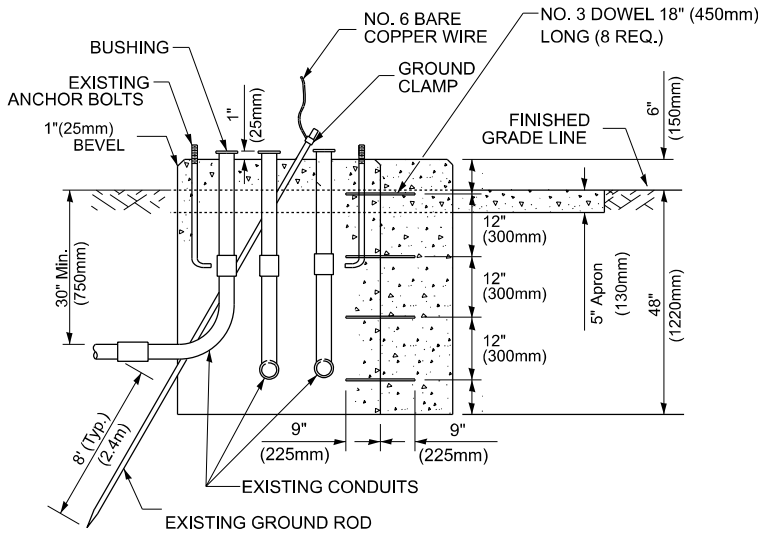
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW (NOT TO SCALE)

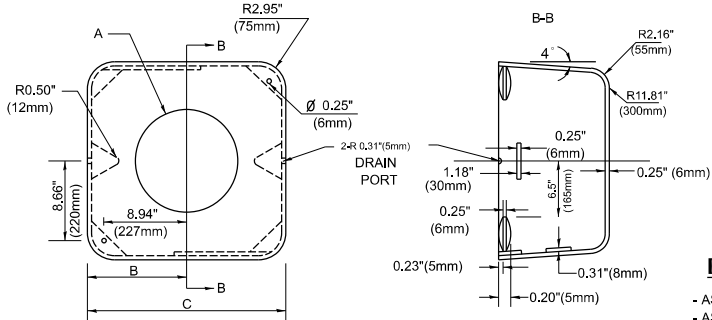


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION (NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 " (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

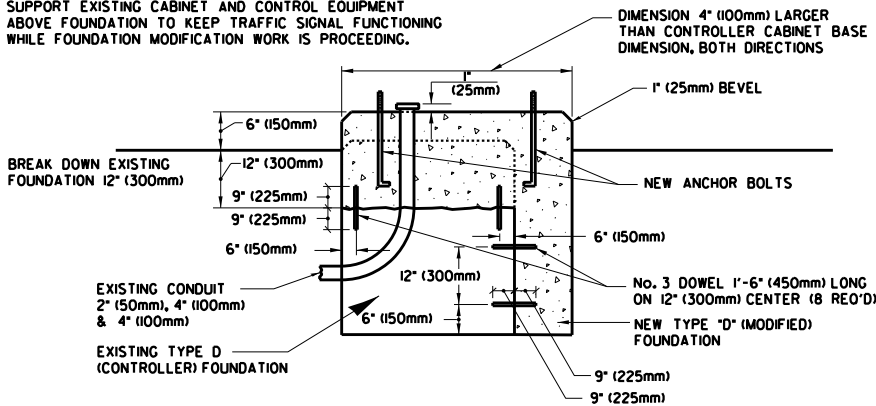
SHROUD

NOTES:

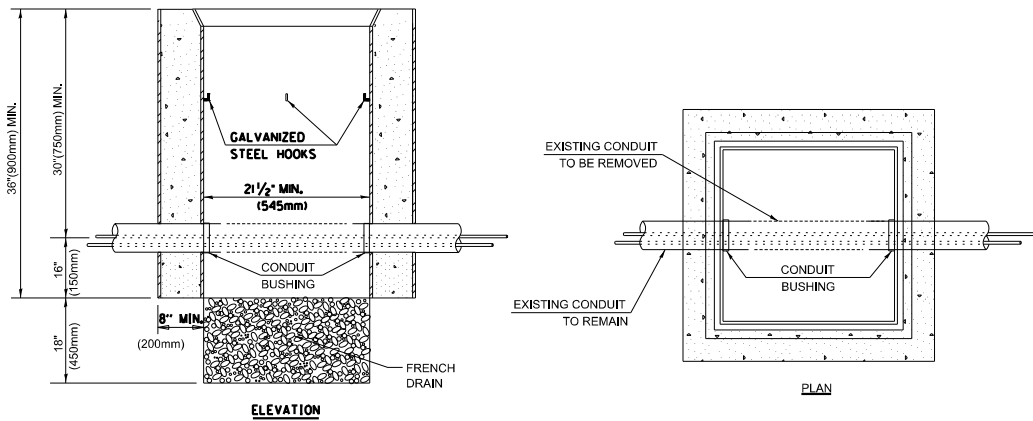
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-172-SW	COOK	110	108
TS-05		CONTRACT NO. 62P93		

ILLINOIS FED. AID PROJECT



CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER



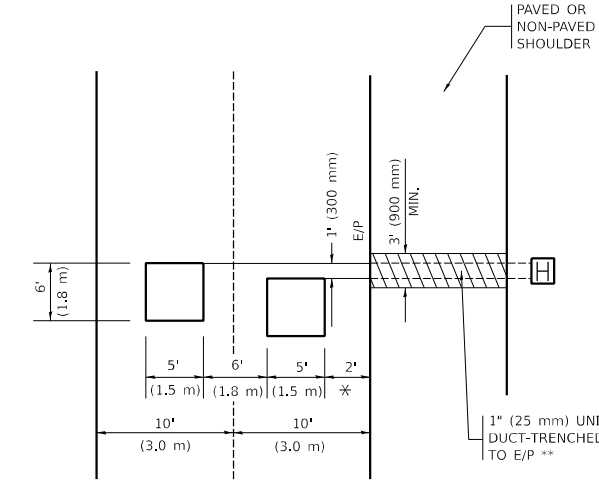
1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-172-SW	COOK	110	109
TS-05		CONTRACT NO. 62P93		
	ILLINOIS	FED. AID PROJECT		

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LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT
NOTE WHICH SHOULD EQUAL
3' (900 mm) X WIDTH OF
PAVED SHOULDER.

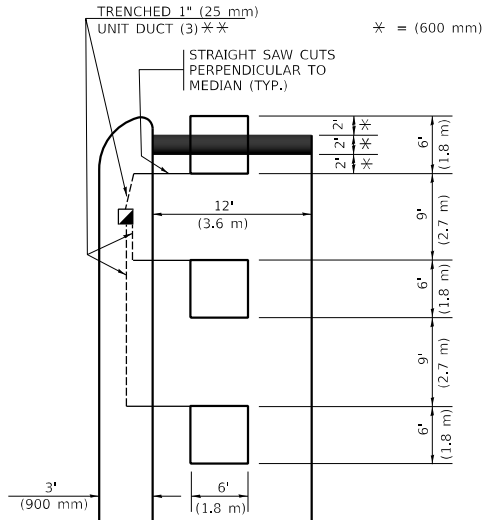


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)

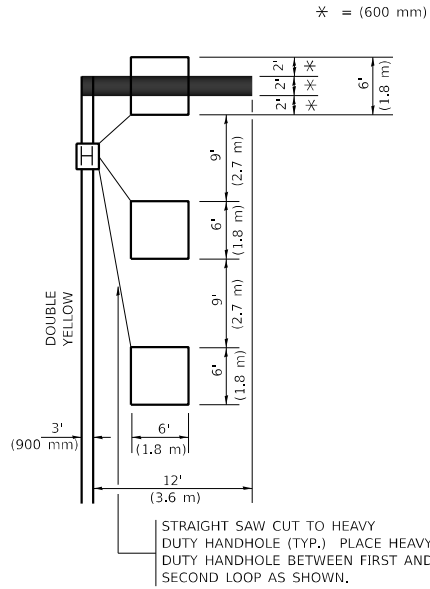
HANDHOLE LOCATION MAY
VARY DEPENDING ON GEOMETRICS
AND DESIGN OF TRAFFIC SIGNALS.
HEAVY-DUTY HANDHOLES TO BE
USED WHEN THE MEDIAN IS
MOUNTABLE. REFER TO STANDARD
814001 TO ENSURE THAT HANDHOLE
FITS IN MEDIAN.



** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

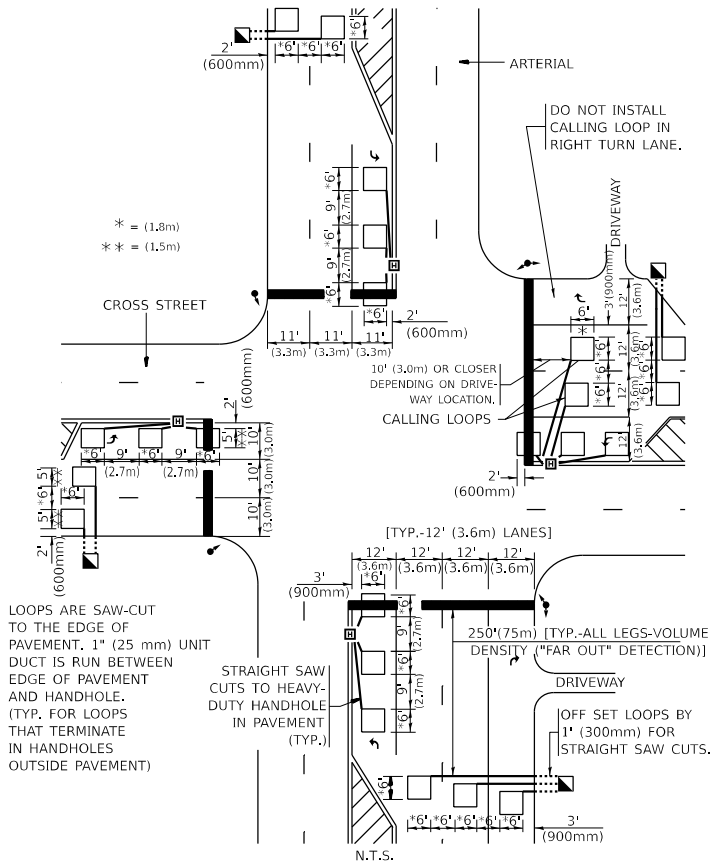
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



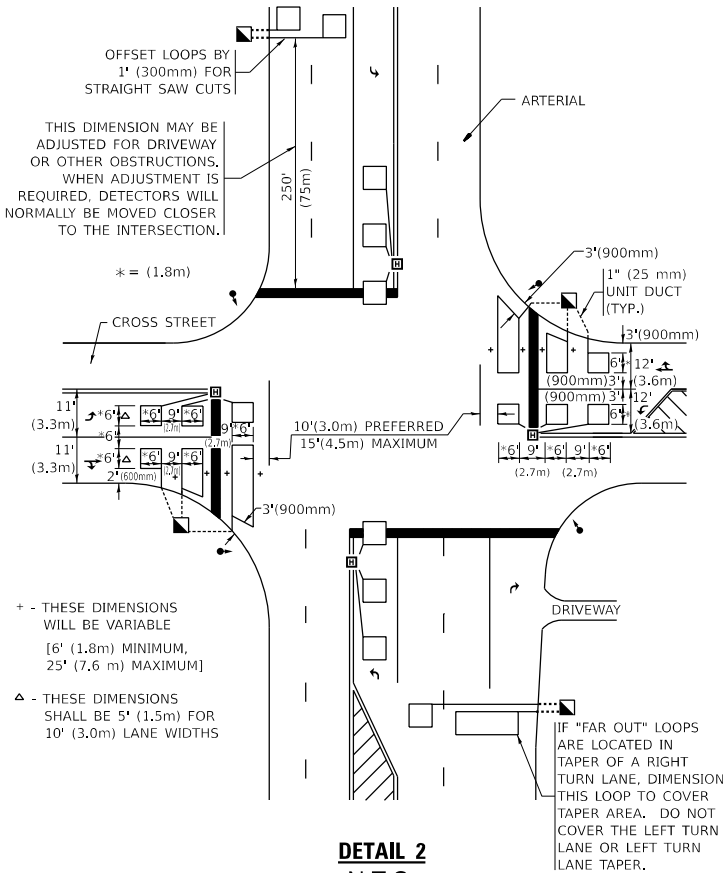
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED,
SHIELDED.

* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE
LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE
PAVEMENT.

* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT
DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST
HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE
SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID
FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM
FOR DETECTOR LOOPS.

* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET
(1.8 m)

* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH
LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE
INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.

* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE
THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR
(i.e. 1-1/2, 1-3/4, 2).

* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN
INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND
INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM
DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A
SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE
AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW
CONTROLLERS ARE UTILIZED, THE DESIGNER SHALL LABEL THESE
TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM)
DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN
AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS
UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE
LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR
LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR
SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED
ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE
DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT
TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN
ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO
NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND
10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF
PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1
TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER
FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE
DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS
FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

USER NAME = Phillip.Steed	DESIGNED -	REVISED -
PLOT SCALE = 100,000 ' / in.	CHECKED - R.K.F.	REVISED -
PLOT DATE = 9/3/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2021-172-SW	COOK	110	110
TS-07		CONTRACT NO. 62P93		
		ILLINOIS FED. AID PROJECT		