

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	1
		ILLINOIS	CONTRACT NO. 62V42	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGES OF
NILES AND MORTON GROVE

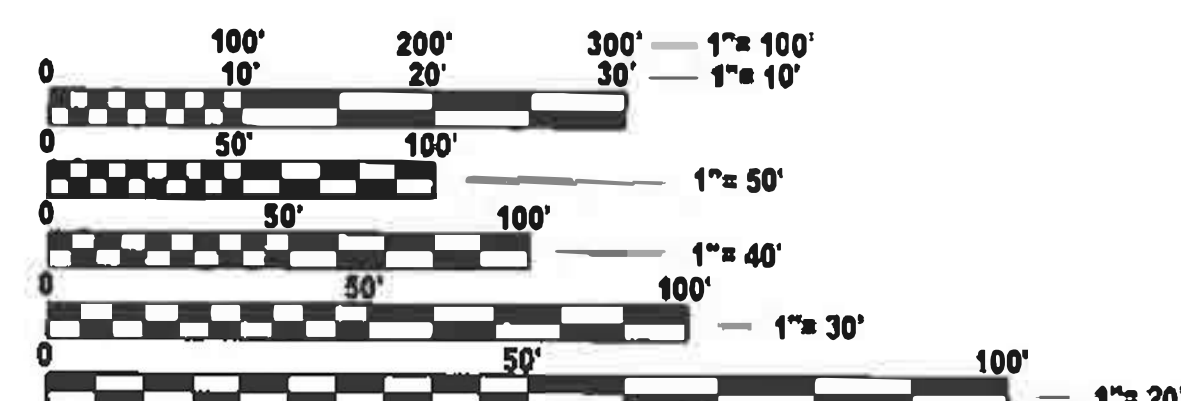
TRAFFIC DATA

FAP 348 (IL-43):
OAKTON ST FROM HARLEM AVE TO WAUKEGAN RD
ADT: 26,800 (2023)
SPEED LIMIT: 35 MPH
CLASS: OTHER PRINCIPAL ARTERIAL
WAUKEGAN RD FROM OAKTON ST TO MAIN ST
ADT: 13,500 (2023)
SPEED LIMIT: 35 MPH
CLASS: OTHER PRINCIPAL ARTERIAL

FAV 1332:
OAKTON ST FROM HARLEM AVE TO CALDWELL AVE (US 14)
ADT: 24,900 (2023)
SPEED LIMIT: 35 MPH
CLASS: MINOR ARTERIAL

FAP ROUTE 348 (IL-43)
SECTION FAP 0348/1332 23 RES
PROJECT NHPP-D9CL(859)
STANDARD OVERLAY WITH ADA IMPROVEMENTS
COOK COUNTY

C-91-022-24

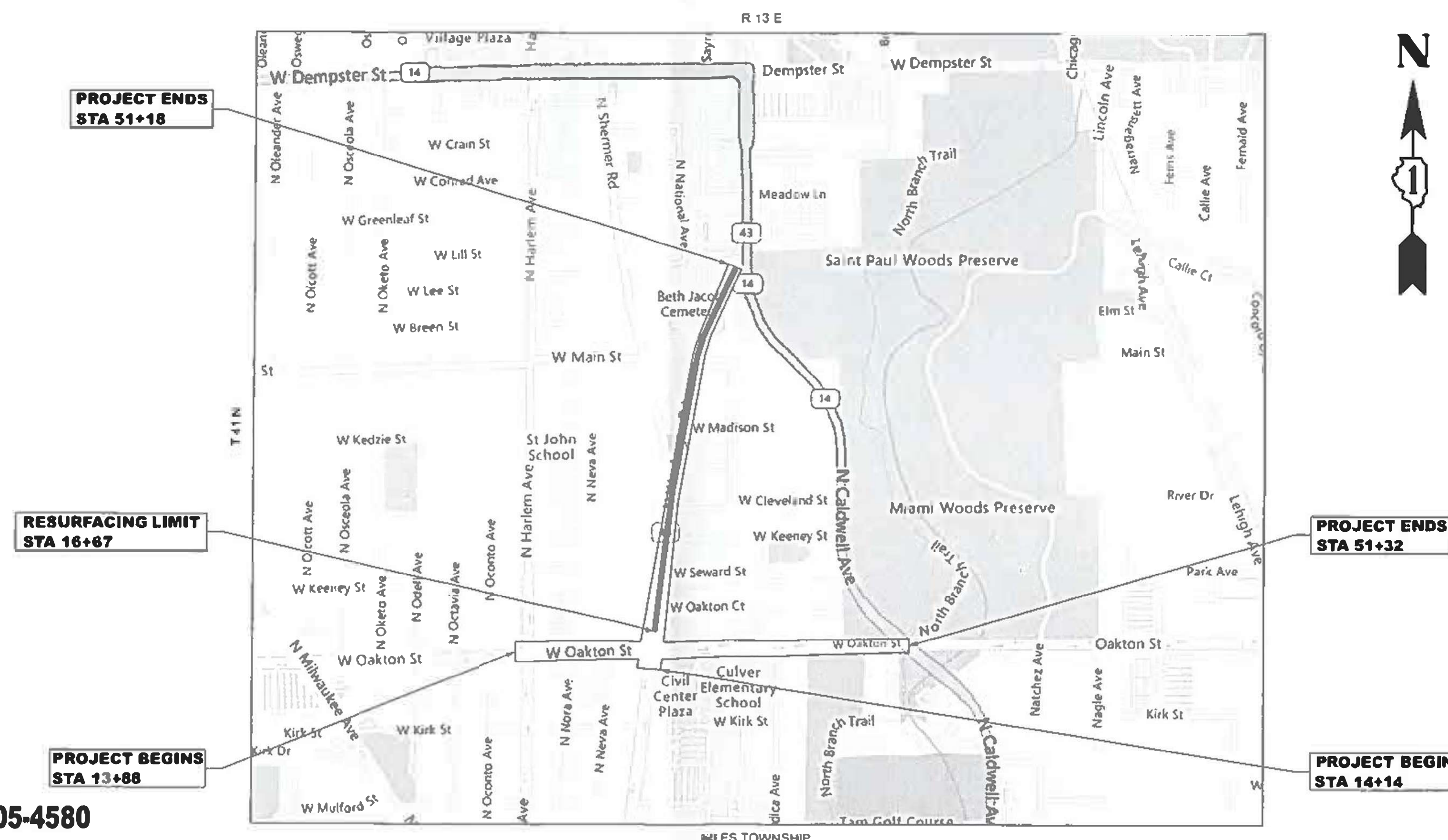


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580
PROJECT MANAGER J. ALAIN MIDY (847) 221-3056

CONTRACT NO. 62V42



GROSS LENGTH = 7,447 FT. = 1.41 MILES
NET LENGTH = 3,451 FT. = 0.65 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 2, 2025 20 25

REGIONAL ENGINEER

October 2, 2026

ENGINEER OF DESIGN AND ENVIRONMENT

October 2, 2026

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL: GenNotesSh01 [Sheet]
FILE NAME: c:\pwworksp\wdc\illinois_gov\justin.king@illinois.gov\102024-shr-ge-note.dgn

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION	
1	COVER SHEET	000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS	1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	442201-04	CLASS C&D PATCHES	2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGES OF NILES, VILLAGE OF MORTON GROVE, AND COOK COUNTY
3-4	SUMMARY OF QUANTITIES	604001-05	FRAME AND LIDS TYPE 1	3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5	TYPICAL SECTIONS	604091-05	FRAME AND GRATE TYPE 24	4. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
6-8	ROADWAY PLANS	606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	5. BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
9-12	ADA IMPROVEMENT PLANS	701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE	6. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
13-17	APS AND DETECTOR LOOP SIGNAL PLANS	701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY	7. 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.
18	FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)	701301-04	LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS	8. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
19	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS < 40 MPH	9. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
20	CURB OR CURB AD GUTTER REMOVAL AND REPLACEMENT (BD-24)	701601-09	URBAN SINGLE LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRANSVERSABLE MEDIAN	10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
21	BUTT JOINTS AND HMA TAPER (BD-32)	701602-10	URBAN LANE CLOSURE MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE	11. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
22-28	STANDARD TRAFFIC CONTROL SIGNAL DESIGN DETAILS (TS-05)	701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN	12. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
29	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY SURFACING (TS-07)	701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN	13. THE CONTRACTOR SHALL 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 SHALL DELIVER THE RECORD TO THE ENGINEER.
30	TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION	14. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
31	RAISED REFLECTIVE PAVEMENT MARKERS (SNOWBLOW RESISTANT) (TC-11)	701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE	15. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
32	DISTRICT ONE PAVEMENT MARKINGS (TC-13)	701901-10	TRAFFIC CONTROL DEVICES	16. THE ENGINEER SHALL CONTACT FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV A MINIMUM OF TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS
33	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)	886001-01	DETECTOR LOOP INSTALLATIONS	17. TEMPORARY PAVEMENT MARKING OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED UNLESS DIRECTED BY THE ENGINEER
34	SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)			18. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES
35	ARTERIAL ROAD INFORMATION SIGN (TC-22)			19. 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.
36	DRIVEWAY ENTRANCE SIGNING (TC-26)			20. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS
37	PROJECT DETAIL FOR SINGLE PERPENDICULAR RAMPS (PD-01)			21. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RECORD AND RETAIN FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
38	PROJECT DETAIL FOR SINGLE PERPENDICULAR RAMPS (PD-02)			
39	PROJECT DETAIL FOR DOUBLE PERPENDICULAR RAMPS (PD-03)			
40	PROJECT DETAIL FOR SINGLE PERPENDICULAR RAMPS WITH TURNING SPACE (PD-04)			
41	PROJECT DETAIL FOR DEPRESSED CURB RAMPS (PD-05)			
42	PROJECT DETAIL FOR PARALLEL CURB RAMPS (PD-06)			
43	PCC SIDEWALK 5 OR 8 INCH (SPECIAL) DETAIL			

	USER NAME	= justin.king	DESIGNED	-	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES WAUKEGAN RD - IL-43 (OAKTON ST TO US 14)	F&P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN	-	REVISED	-			348	FAP 0348/1332 23 RES	COOK	43	2
			CHECKED	-	REVISED	-			CONTRACT NO. 62V42				
	PLOT DATE	= 11/21/2025	DATE	-	REVISED	-							
SCALE:		SHEET 1		OF	1	SHEETS	STA.	TO STA.	ILLINOIS		FED. AID PROJECT		

FAU 1332

MODEL: SOQ1 [Sheet]
FILE NAME: c:\pwr_work\pwr\id01\illinois.gov\id1095500\ID102024-sh1-SOQ.dgn

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	SIGNALS	ROADWAY			
					80% FED 20% STATE	80% FED 20% STATE	100% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0021	0044			
	20200100	EARTH EXCAVATION	CU YD	48	48					
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	768.2	768.2					
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	15	15					
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	15	15					
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	15	15					
	25200110	SODDING, SALT TOLERANT	SQ YD	768.2	768.2					
	25200200	SUPPLEMENTAL WATERING	UNIT	8	8					
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	7836	7836					
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	6764	6764					
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	18	18					
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	141	141					
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	479	479					
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	976	976					
	42001300	PROTECTIVE COAT	SQ YD	1223.1	1223.1					
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2597	2597					
	42400800	DETECTABLE WARNINGS	SQ FT	200	200					
	44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	11609	11609					
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1040	1040					
	44000600	SIDEWALK REMOVAL	SQ FT	2600	2600					
	44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	21	21					
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	436	436					
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	162	162					

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	SIGNALS	ROADWAY			
					80% FED 20% STATE	80% FED 20% STATE	100% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0021	0044			
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	272	272					
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1					
	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	12	12					
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	9	9					
	60300405	VALVE BOX FRAMES TO BE ADJUSTED	EACH	2	2					
	60404950	FRAMES AND GRATES, TYPE 24	EACH	2	2					
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	3	3					
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5					
	60605000	COMINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1040	1040					
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	45	45					
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2					
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	40	40					
	67100100	MOBILIZATION	L SUM	1	1					
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1					
	70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1					
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					

* SPECIALTY ITEM

	USER NAME = justin.king	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES WAUKEGAN RD - IL-43 (OAKTON ST TO US 14)				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						348	FAP 0348/1332 23 RES	COOK	43	3
		CHECKED -	REVISED -						CONTRACT NO. 62V42				
	PLOT DATE = 8/19/2026	DATE -	REVISED -		SCALE:	SHEET 1	OF 2	SHEETS	STA.	TO STA.			

MODEL - SOQ2 [Sheet]
FILE NAME - c:\p\wcd\wid\illinois.gov_justin.king@illinois.gov\d109550\DD102024-sh1-SOQ.dgn

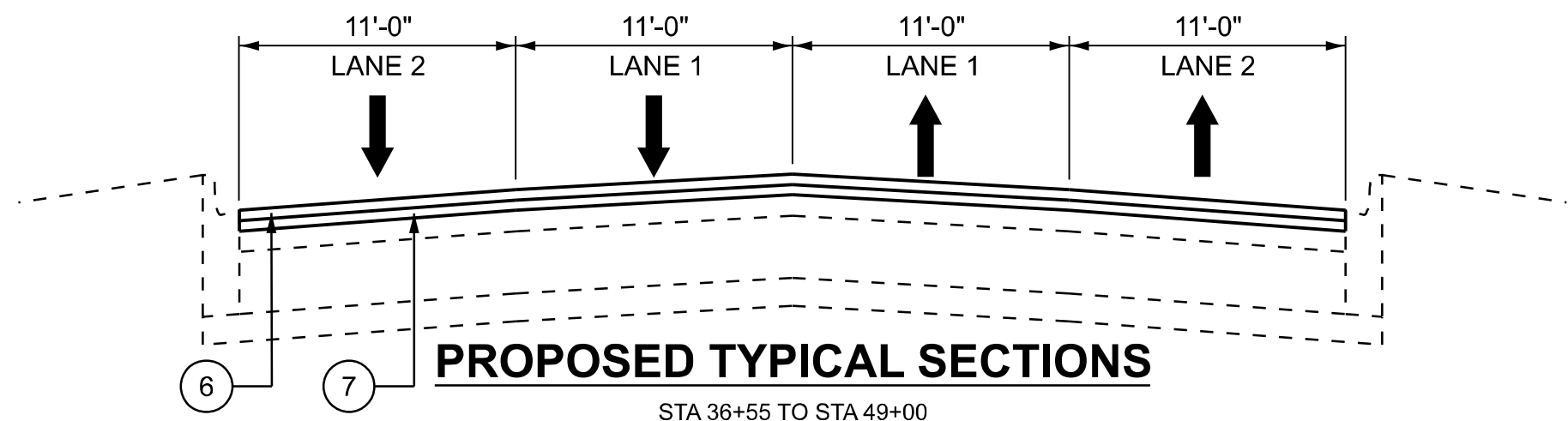
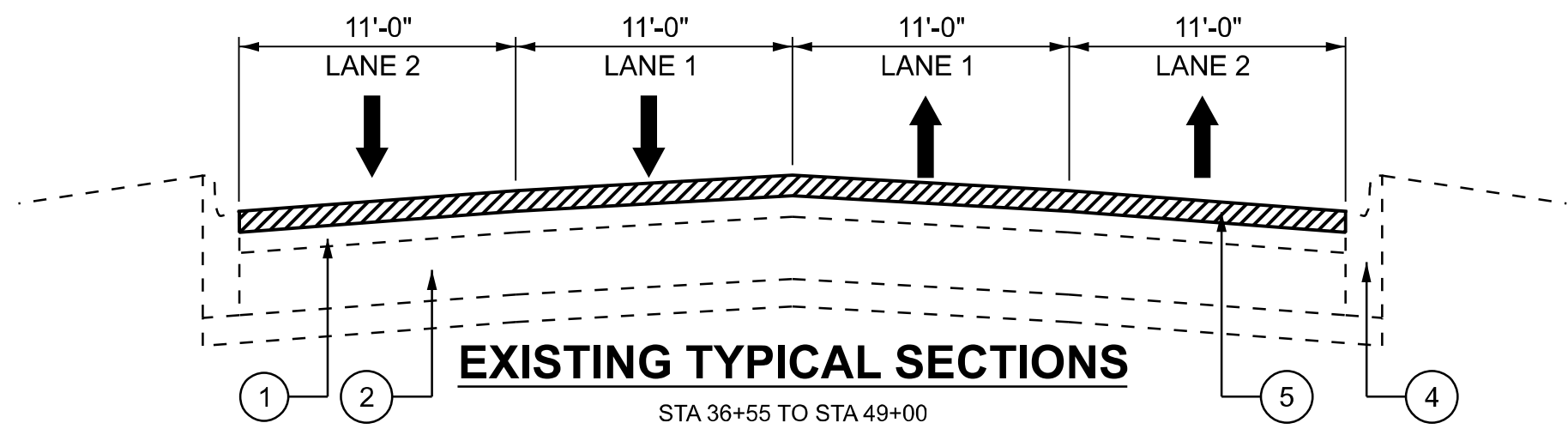
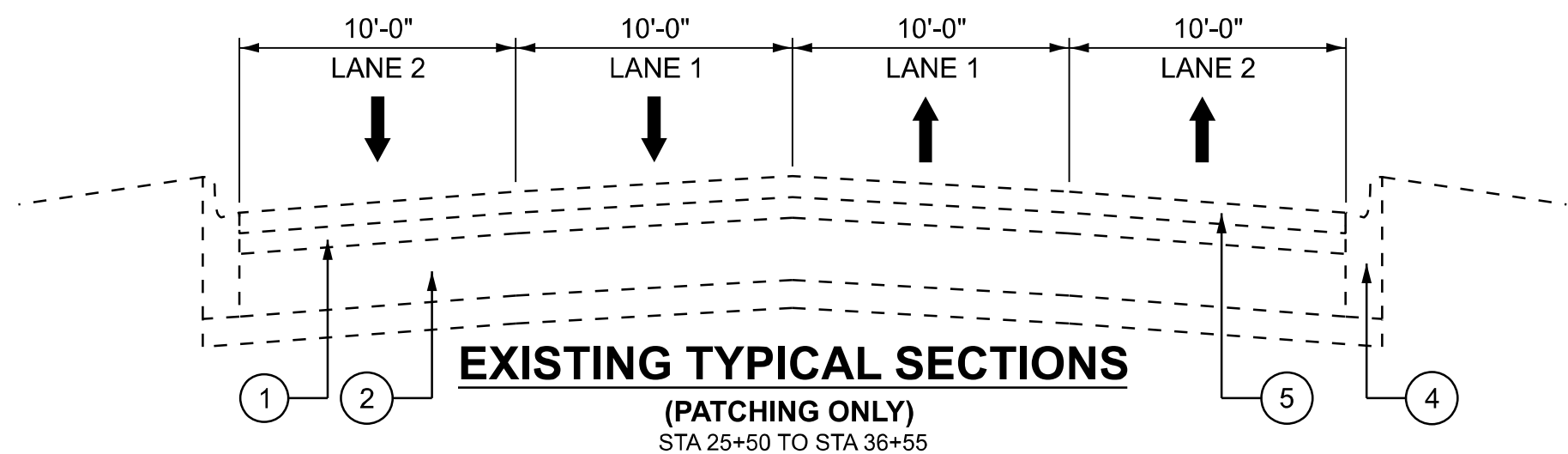
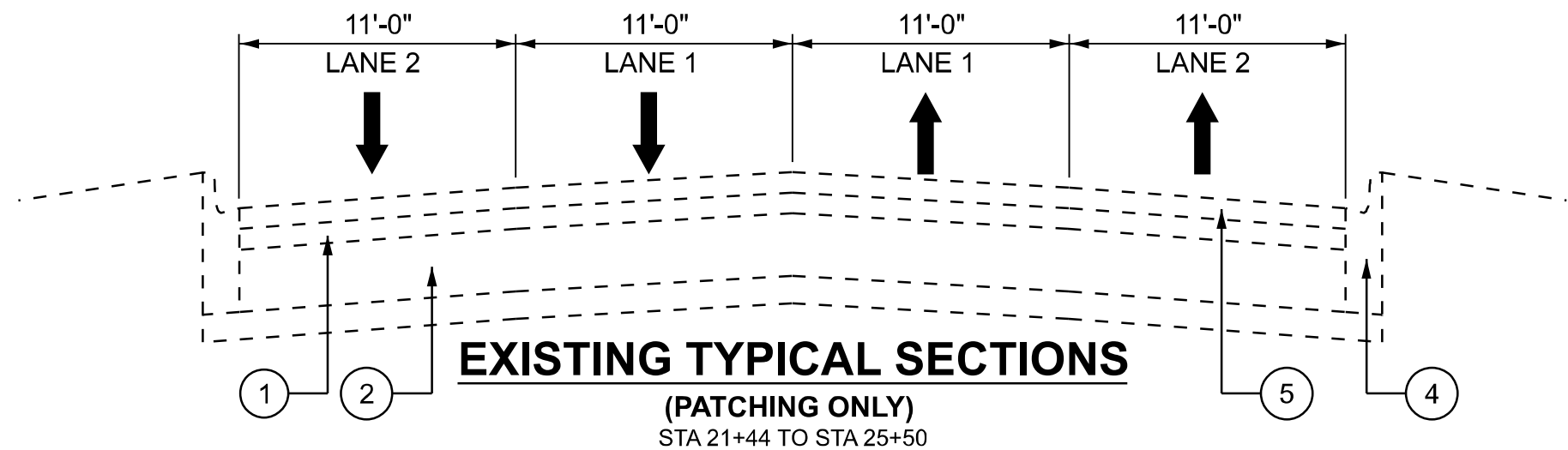
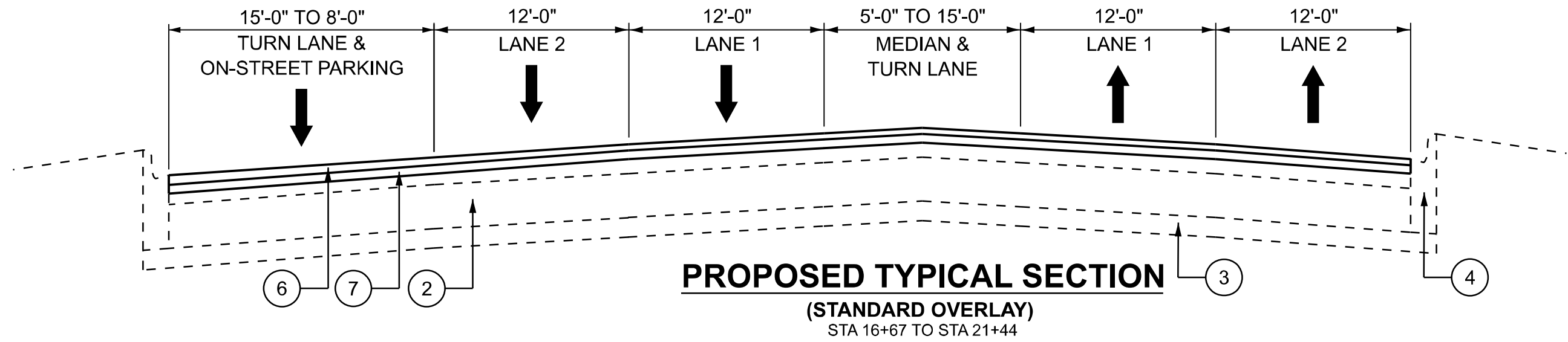
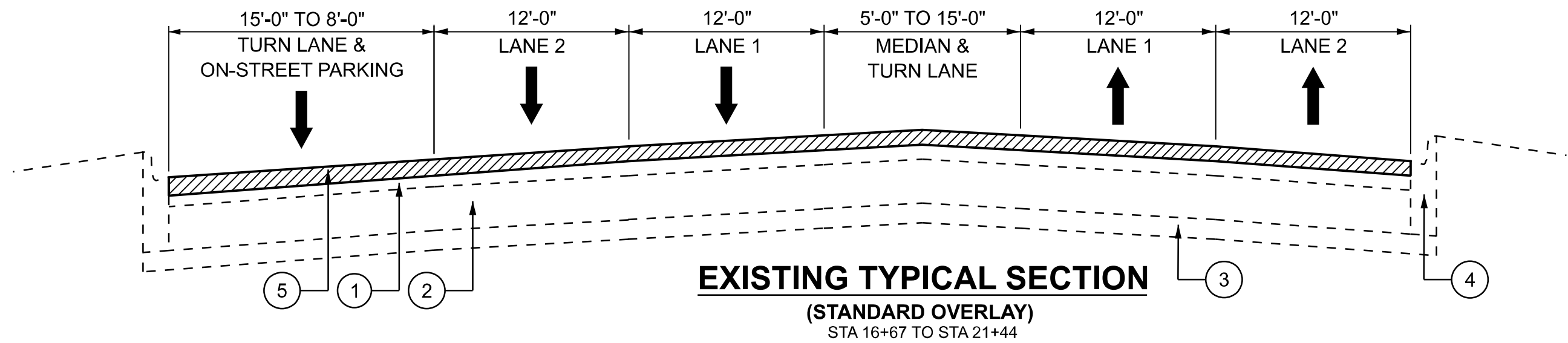
SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	SIGNALS	ROADWAY			
					80% FED 20% STATE	80% FED 20% STATE	100% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0021	0044			
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	4875	4875					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2090.9	2090.9					
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	154.8	154.8					
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	1530	1530					
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	218	218					
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	213	213					
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	47.6	47.6					
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	5733	5733					
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	77.4	77.4					
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4968	4968					
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	765	765					
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	109	109					
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	106.5	106.5					
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	23.8	23.8					
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	4676	4676					
*	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	196	196					
*	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	47	47					
*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	107	107					
*	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	24	24					
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	222	222					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	222	222					
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	16	16					

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	SIGNALS	ROADWAY			
					80% FED 20% STATE	80% FED 20% STATE	100% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0021	0044			
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	74	74					
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1					
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	886	886					
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	110	110					
*	87900200	DRILL EXISTING HANDHOLE	EACH	4	4					
*	88600100	DETECTOR LOOP, TYPE I	FOOT	87	87					
*	89502200	MODIFY EXISTING CONTROLLER	EACH	1	1					
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1					
	X0320050	CONSTRUCTION LAYOUT SPECIAL	L SUM	1	1					
*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4	4					
*	X1400423	REMOVE EXISTING PEDESTRIAN PUSH BUTTON	EACH	12	12					
	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SPECIAL)	SQ FT	25	25					
	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	45	45					
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	1100	1100					
	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	555			555			
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	13	13					
	X6700407	ENGINEER'S FIELD OFFICE, TYPEA (D1)	CAL MO	6	6					
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	102.8	102.8					
	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	16	16					
	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16	16					
*	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	69	69					
	Z0018100	DRAINAGE STRUCTURE ADJUSTMENT (SPECIAL)	EACH	13	13					
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	37			37			
*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	1					

* SPECIALTY ITEM

				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES WAUKEGAN RD - IL-43 (OAKTON ST TO US 14)				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
												348	FAP 0348/1332 23 RES	COOK	43	4
												CONTRACT NO. 62V42				
												ILLINOIS FED. AID PROJECT				
PLOT DATE = 8/19/2026			DATE -	REVISED -	SCALE:				SHEET 2	OF 2	SHEETS	STA.	TO STA.			

MODEL: Typical Sections (Sheet)
FILE NAME: c:\p\p_work\pwork\illinois.gov_justin.king@illinois.gov\d1095500D102024-sh-typical.dgn



NOTES

1. THE CONTRACTOR SHALL MILL BEFORE PATCHING
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLY. HMA BINDER COURSE, IL-4.75, N50

LEGEND

- ① EXISTING HMA SURFACE COURSE, 4½"±
- ② EXISTING PCC BASE COURSE, 8"±
- ③ EXISTING SUBBASE,
- ④ EXISTING CURB AND GUTTER
- ⑤ PROPOSED HOT-MIX ASPHALT REMOVAL, 2¼"±
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, N70, 1½"
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"

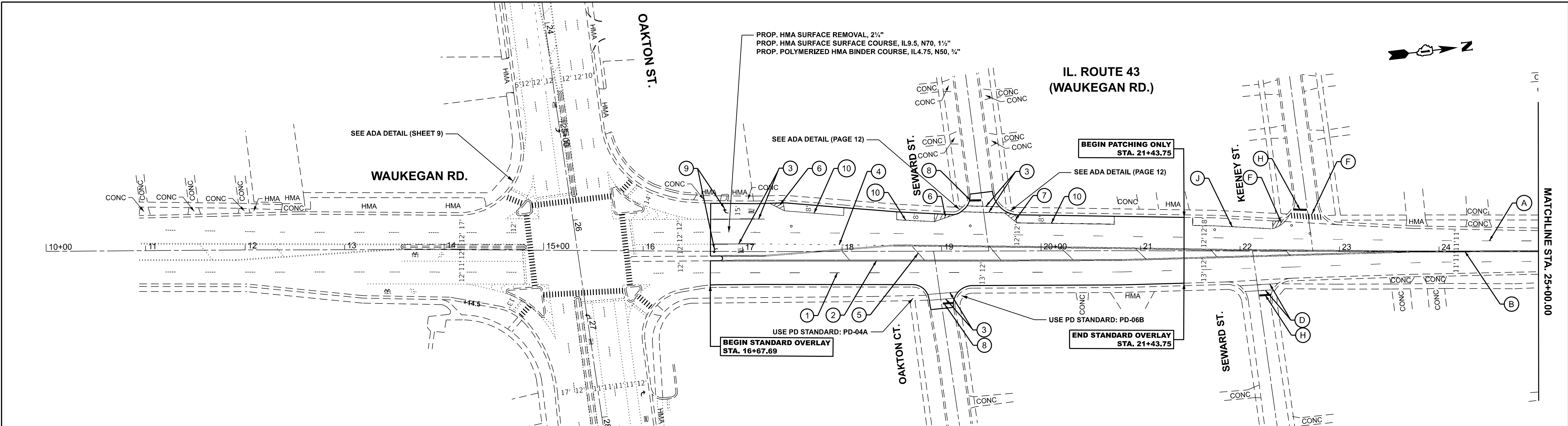
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QMP
MIXTURE TYPE	AIR VOIDS @ Ndesign	
PAVEMENT RESURFACING (STANDARD OVERLAY)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1½"	4% @ 70 Gyr.	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"	3.5% @ 50 Gyr.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0)	4% @ 70 Gyr.	QC/QA
QMP Designations: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP); Pay for Performance (PFP)		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE 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 MATERIALS SPECIFICATIONS.

	USER NAME = justin.king	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS WAUKEGAN RD - IL-43 (OAKTON ST TO US 14)				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		348	FAP 0348/1332 23 RES	COOK	43	5				
		CHECKED -	REVISED -		CONTRACT NO. 62V42								
	PLOT DATE = 8/13/2026	DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.			

MODEL: WAUKEGAN - RdwyPlanPvmt MKY (Sheet)
FILE NAME: c:\pawork\pawork\illinois.gov\1095500D\102024-shr-plan.dgn



- ① PROP. THERMOPLASTIC PVMT. MARKING 4", SKIP DASH, WHITE, 4", 10' DASH 30' SKIP (TYP.)

② PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW @11" C-C (TYP.)

③ PROP. THERMOPLASTIC PVMT. MARKING 6", SOLID WHITE (TYP.)

④ PROP. THERMOPLASTIC PVMT. MARKING 6", 2' DASH, 6' SKIP. WHITE (TYP.)

⑤ PROP. THERMOPLASTIC PVMT. MARKING 12", 45° DIAGONAL, 75' C-C, YELLOW (TYP.) (5 MIN)

⑥ PROP. THERMOPLASTIC PVMT. MARKING 12", 45° DIAGONAL, WHITE (TYP.)

⑦ PROP. THERMOPLASTIC PVMT. MARKING 8", SOLID EDGE LINE, WHITE (TYP.)

⑧ PROP. THERMOPLASTIC PVMT. MARKING 24" STOP BAR, WHITE (TYP.)

⑨ PROP. THERMOPLASTIC PVMT, MARKING, LETTERS AND SYMBOLS, WHITE (TYP.)

⑩ PROP. THERMOPLASTIC PVMT. MARKING 4", SOLID LINE, WHITE (TYP.)

⑪ PROP. THERMOPLASTIC PVMT. MARKING 12" CROSSWALK @ 3' C-C, WHITE (TYP.)
- Ⓐ PROP. MODIFIED URETHANE PVMT. MARKING 4", SKIP DASH, WHITE, 4", 10' DASH 30' SKIP (TYP.)

Ⓑ PROP. MODIFIED URETHANE PVMT. MARKING 4", DOUBLE YELLOW @11" C-C (TYP.)

Ⓒ PROP. MODIFIED URETHANE PVMT. MARKING 6", SOLID WHITE (TYP.)

Ⓓ PROP. MODIFIED URETHANE PVMT. MARKING 6", 2' DASH, 6' SKIP. WHITE (TYP.)

Ⓔ PROP. MODIFIED URETHANE PVMT. MARKING 12", DIAGONAL, YELLOW (TYP.)

Ⓕ PROP. MODIFIED URETHANE PVMT. MARKING 12", DIAGONAL, WHITE (TYP.)

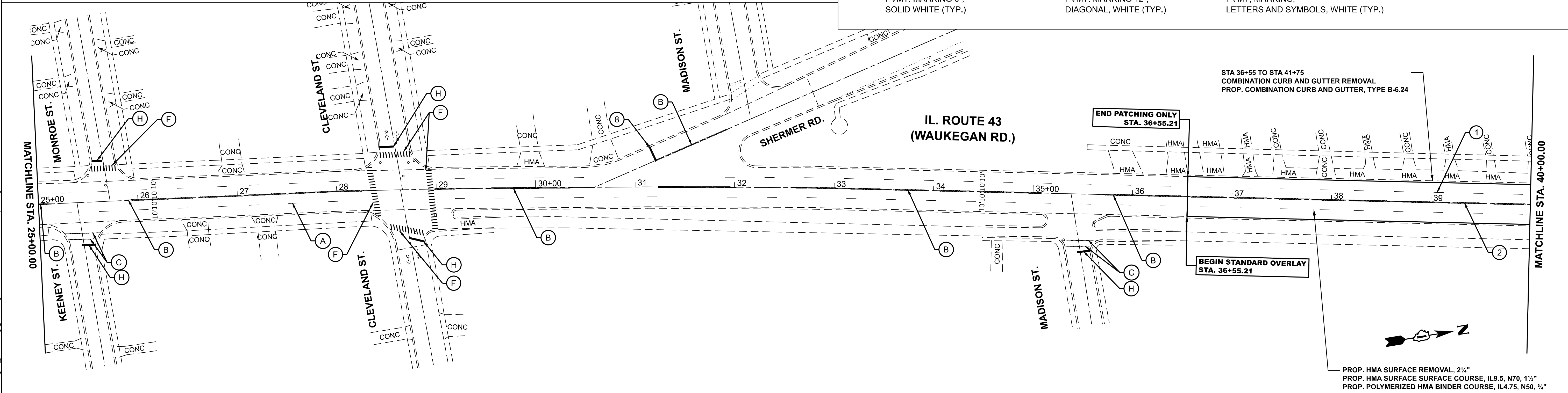
Ⓖ PROP. MODIFIED URETHANE PVMT. MARKING 8", SOLID EDGE LINE, WHITE (TYP.)

Ⓗ PROP. MODIFIED URETHANE PVMT. MARKING 24" STOP BAR, WHITE (TYP.)

Ⓘ PROP. MODIFIED URETHANE PVMT, MARKING, LETTERS AND SYMBOLS, WHITE (TYP.)

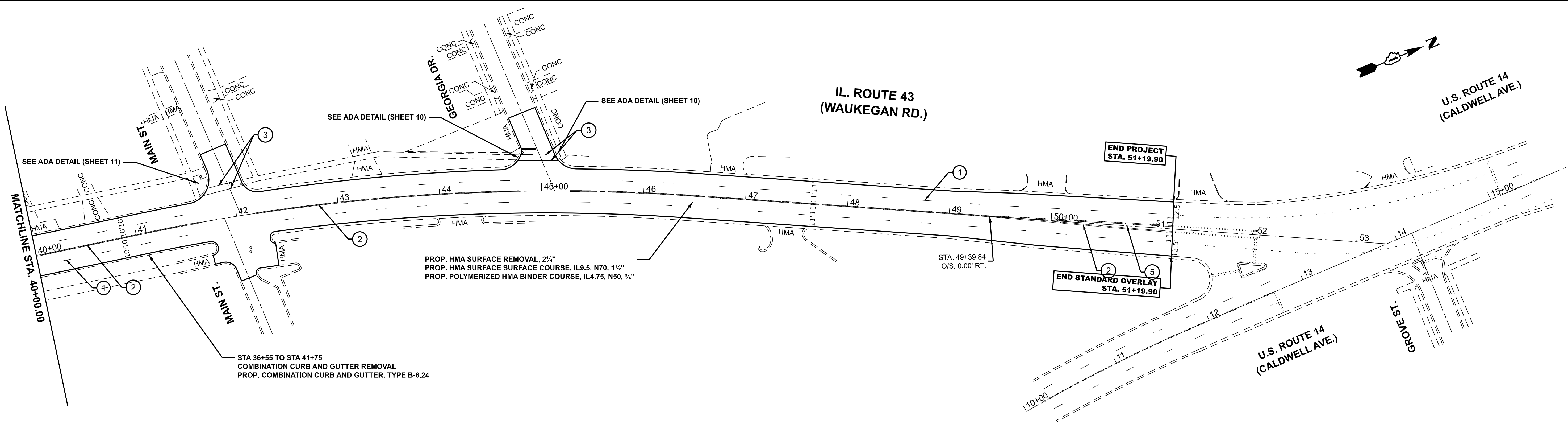
Ⓢ PROP. MODIFIED URETHANE PVMT. MARKING 4", SOLID LINE, WHITE (TYP.)

Ⓚ PROP. MODIFIED URETHANE PVMT. MARKING 12" CROSSWALK @ 90" C-C, WHITE (TYP.)



- NOTES:
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT D1 DETAIL TC-13
 - ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT RRPm DETAIL TC-11

	USER NAME = justin.king		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN WAUKEGAN RD - IL-43 (OAKTON ST TO US 14)				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -		SCALE: 1"=50'	SHEET 1	OF 3	SHEETS	STA. 10+00.00	TO STA. 40+00.00	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 62V42
			CHECKED -	REVISED -										
	PLOT DATE = 8/19/2026		DATE -	REVISED -										



- | | | | |
|--|--|--|---|
| ① PROP. THERMOPLASTIC PVMT. MARKING 4", SKIP DASH, WHITE, 4", 10' DASH 30' SKIP (TYP.) | ④ PROP. THERMOPLASTIC PVMT. MARKING 6", 2' DASH, 6' SKIP. WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT. MARKING 8", SOLID EDGE LINE, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PVMT. MARKING 4", SOLID LINE, WHITE (TYP.) |
| ② PROP. THERMOPLASTIC PVMT. MARKING 4", DOUBLE YELLOW @11" C-C (TYP.) | ⑤ PROP. THERMOPLASTIC PVMT. MARKING 12", 45° DIAGONAL, 75' C-C YELLOW (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT. MARKING 24" STOP BAR, WHITE (TYP.) | ⑪ PROP. THERMOPLASTIC PVMT. MARKING 12" CROSSWALK @ 90" C-C, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PVMT. MARKING 6", SOLID WHITE (TYP.) | ⑥ PROP. THERMOPLASTIC PVMT. MARKING 12", 45° DIAGONAL, WHITE (TYP.) | ⑨ PROP. THERMOPLASTIC PVMT, MARKING, LETTERS AND SYMBOLS, WHITE (TYP.) | |

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORIDING TO IDOT D1 DETAIL TC-13
2. ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT RRPm DETAIL TC-11

MODEL: WAUKEGAN - RdwyPlanPVMT.MRK2[Sheet]
FILE NAME: c:\pwy\work\pwydot\illinois.gov\dot\1095500D\102024-shr-plan.dgn

USER NAME	= justin.king	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

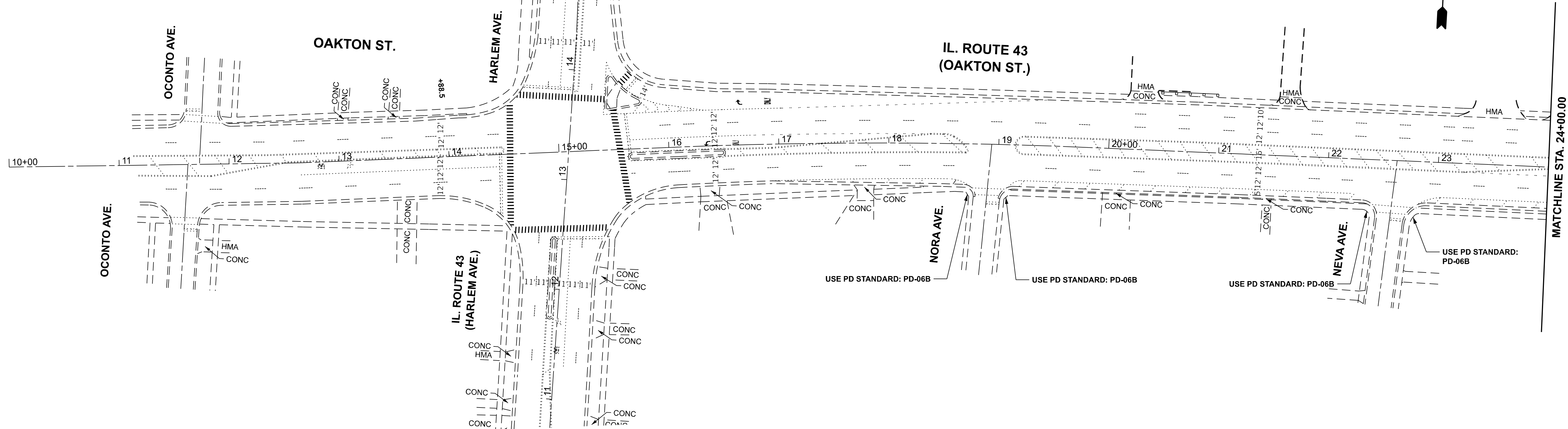
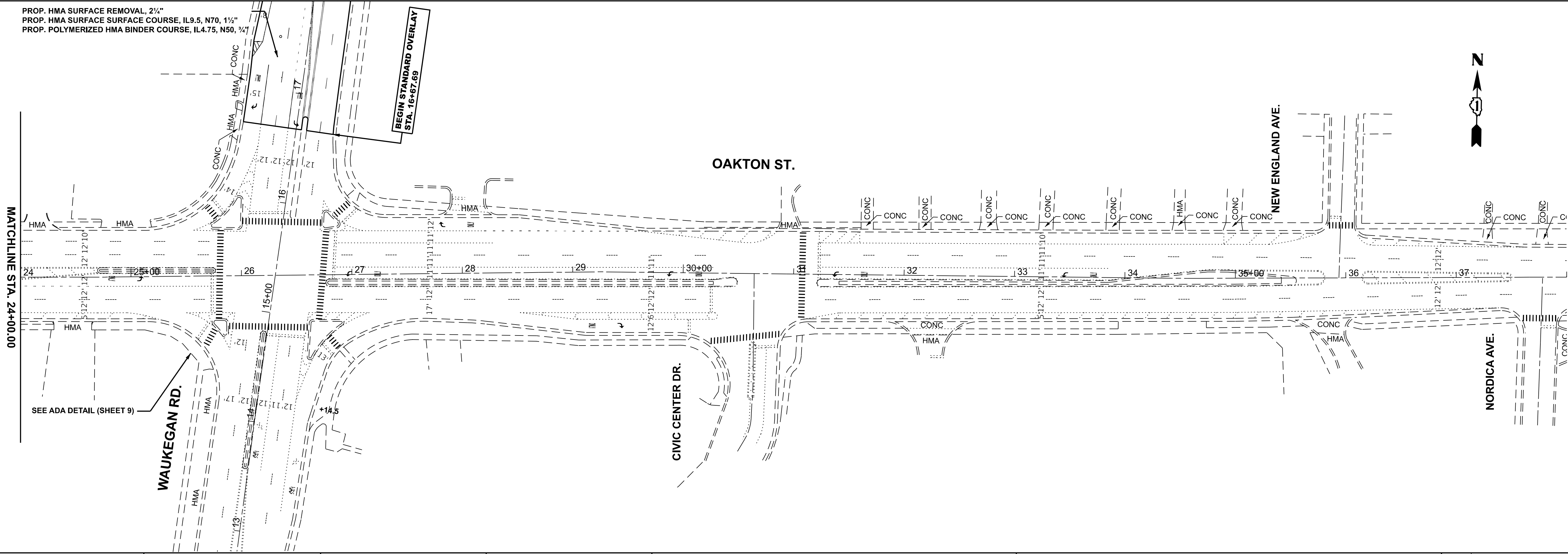
ROADWAY PLAN
WAUKEGAN RD - IL-43 (OAKTON ST TO US 14)

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 40+00.00 TO STA. 55+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	7
CONTRACT NO. 62V42				
ILLINOIS FED. AID PROJECT				

FAU 1332

MODEL: OAKTON - RdwyPlan01 [Sheet]
FILE NAME: c:\pwworking\illinois.gov\1095500D\102024-shr-plan.dgn



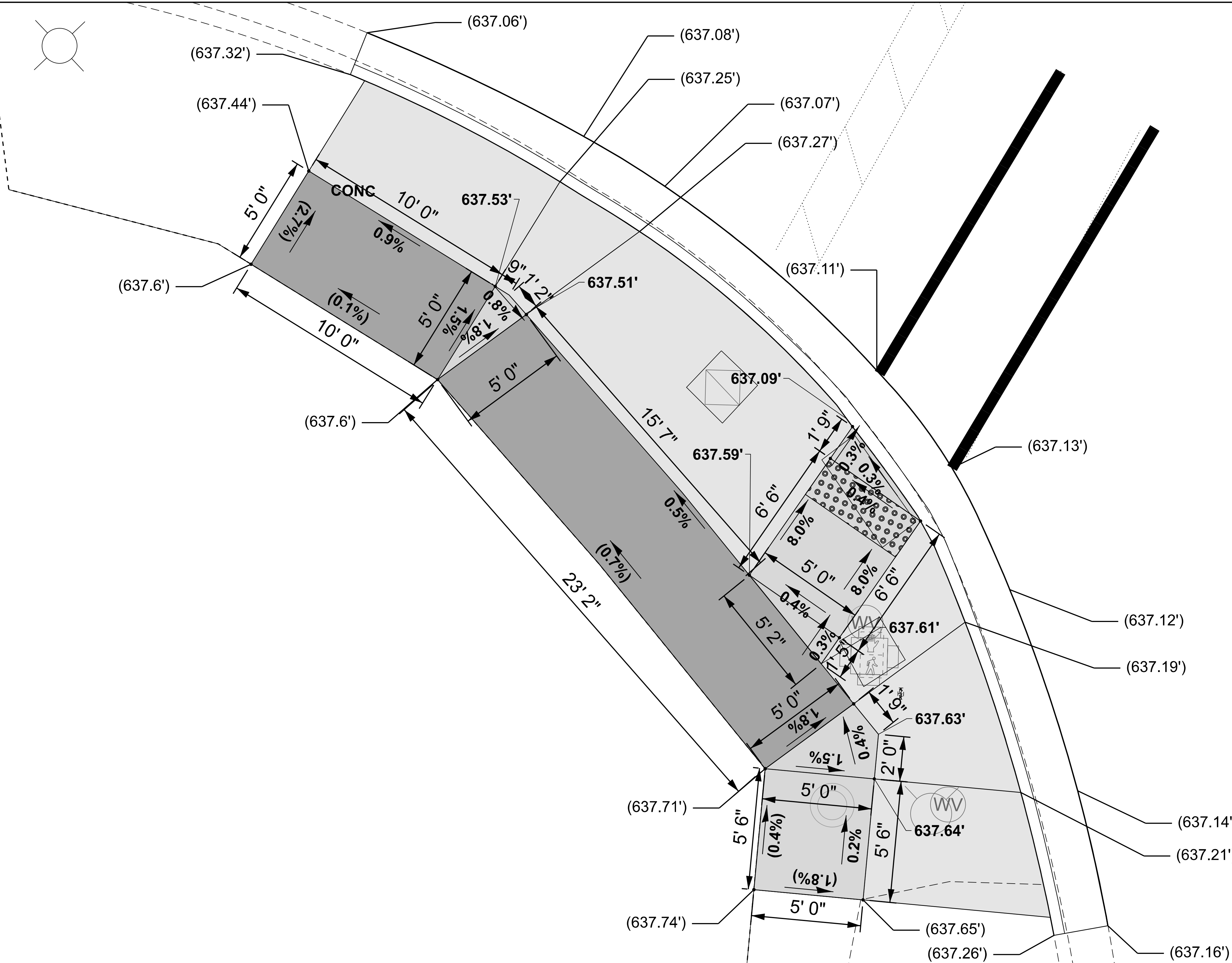
PLOT DATE	USER NAME		DESIGNED	REVISED
	* justin.king		-	-
			DRAWN	REVISED
			-	-
DATE			CHECKED	REVISED
			-	-
			DATE	REVISED
			-	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN			
OAKTON ST - IL-43 (HARLEM AVE TO US 14)			
SCALE: 1"=50'	SHEET 3	OF 3	SHEETS
STA. 10+00.00		TO STA. 38+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	8
CONTRACT NO. 62V42				
ILLINOIS		FED. AID PROJECT		

MODEL: S:\OOakton\Waukegan\Sheet1
FILE NAME: c:\pawork\pawork\illinois.gov\102024-Design-ADA.dgn



REFERENCE BENCHMARK ELEVATION: 636.82'

BENCHMARK: CUT SQUARE IN THE N.E. CORNER OF TRAFFIC SIGNAL CONCRETE BASE

LOCATION: S.E. CORNER OF OAKTON ST AND WAUKEGAN RD

LEGEND

xx.xx'

EXISTING LENGTH

=====

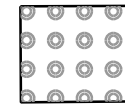
PROPOSED SIDE CURB

()

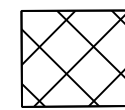
EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEVATION: 636.82'

BENCHMARK: CUT SQUARE IN THE N.E. CORNER OF TRAFFIC SIGNAL CONCRETE BASE

LOCATION: S.E. CORNER OF OAKTON ST AND WAUKEGAN RD

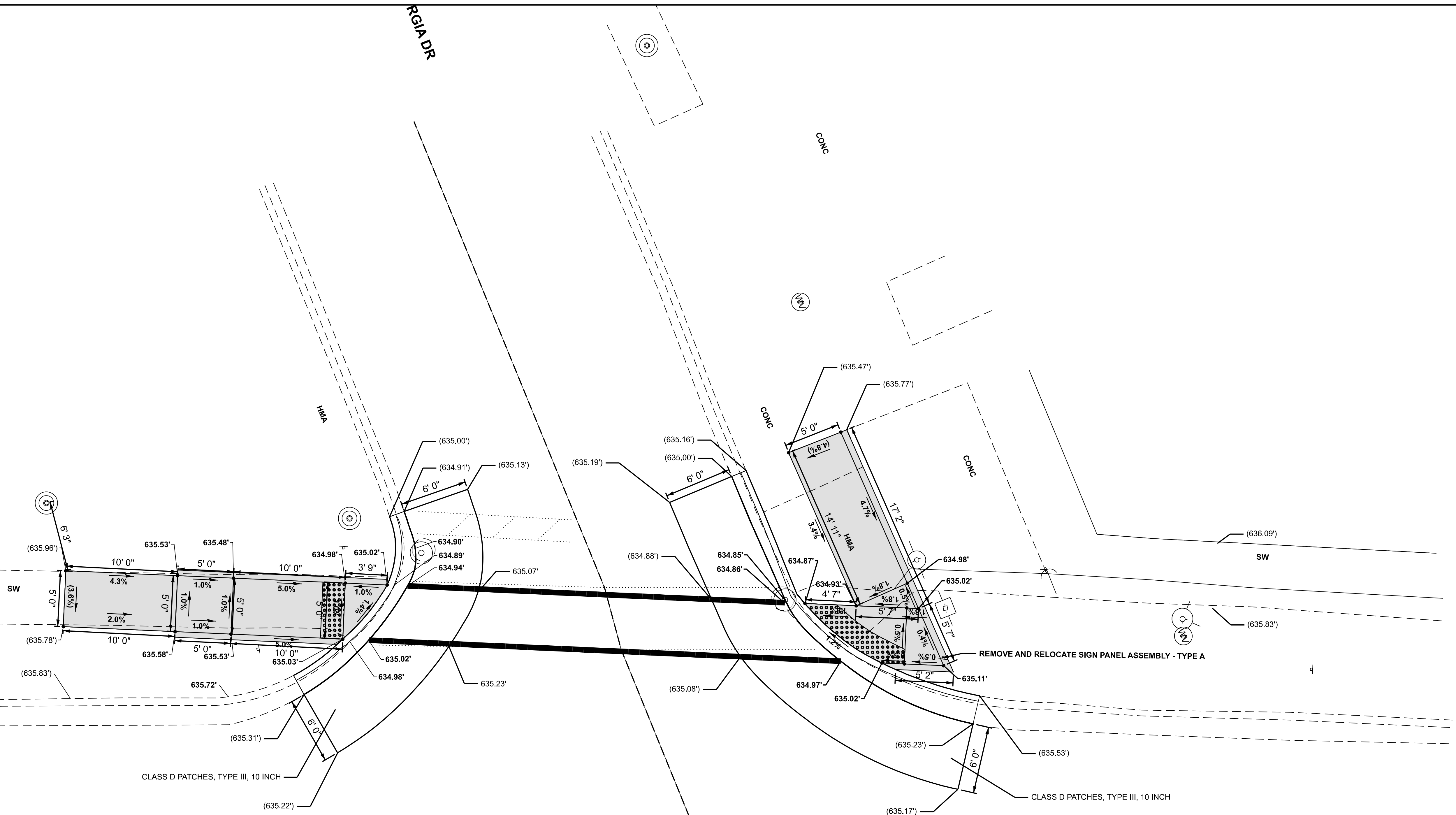
USER NAME	= justin.king	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

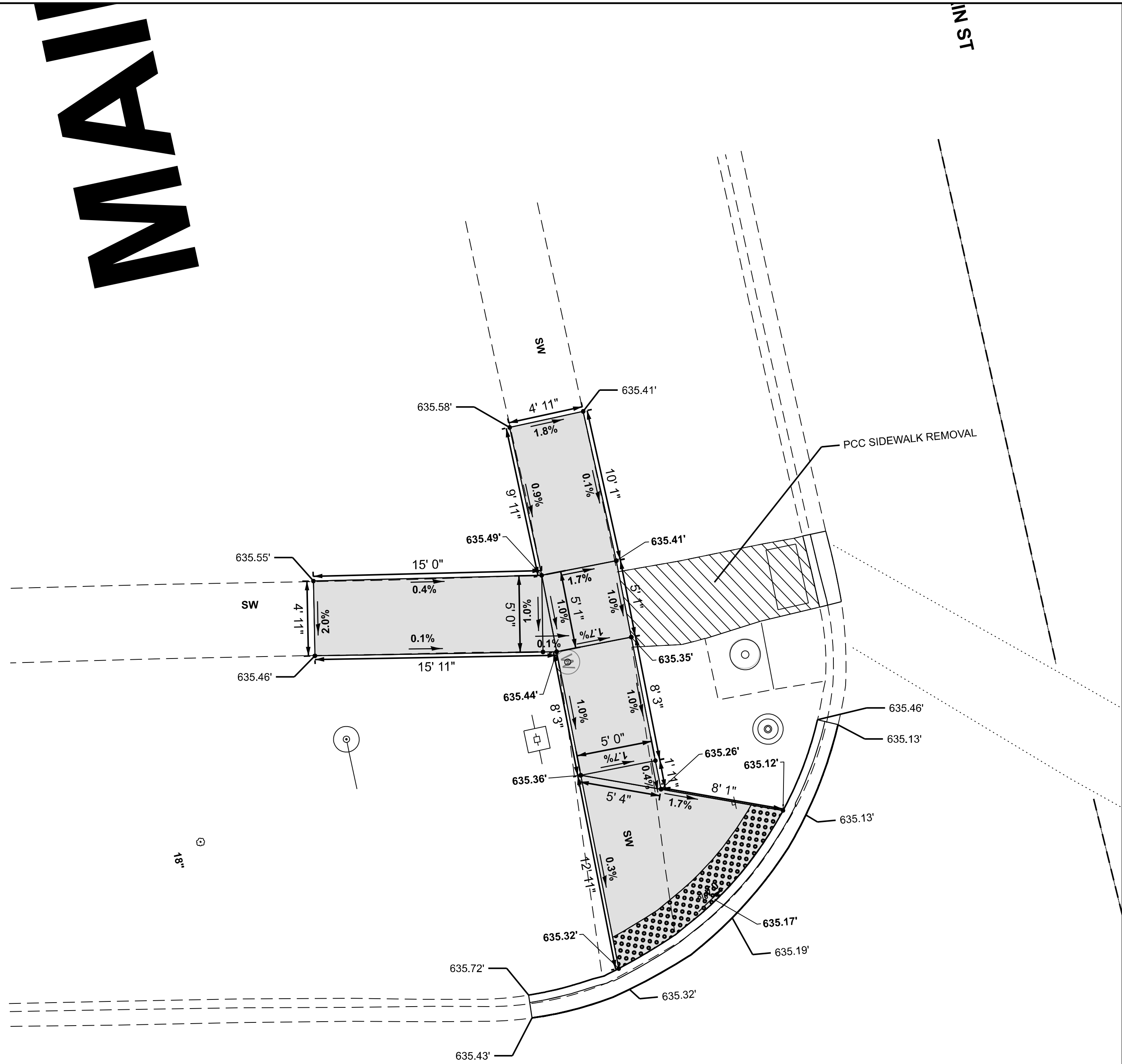
ADA IMPROVEMENT DETAIL
SW CORNER OF OAKTON ST & WAUKEGAN RD

SCALE: SHEET 1 OF 4 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	9
CONTRACT NO. 62V42				
ILLINOIS FED. AID PROJECT				



MODEL: Main St SW (Sheet)
FILE NAME: c:\paw_work\paw\illinois.gov\justin.king@illinois.gov\109550\102024-Design-ADA.dgn



REFERENCE BENCHMARK ELEVATION: 635.47'

BENCHMARK: BOLT OF FIRE HYDRANT

LOCATION: EAST SIDE OF WAUKEGAN RD ±30' SOUTH OF MAIN STREET

LEGEND

XX.XX'

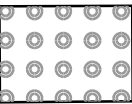
EXISTING LENGTH

=====

PROPOSED SIDE CURB



PROPOSED SIDEWALK



DETECTABLE WARNINGS

REFERENCE BENCHMARK ELEVATION: 635.47'

BENCHMARK: BOLT OF FIRE HYDRANT

LOCATION: EAST SIDE OF WAUKEGAN RD ±30' SOUTH OF MAIN STREET

USER NAME	= justin.king	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA IMPROVEMENT DETAIL
SW CORNER OF MAIN STREET & WAUKEGAN RD

SCALE: SHEET 3 OF 4 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	11
CONTRACT NO. 62V42				
ILLINOIS FED. AID PROJECT				

MODEL: Seward St SW-1 (Sheet)
FILE NAME: c:\p\p_work\p\work\illinois.gov\109550\102024-Design-ADA.dgn

IL ROUTE 43
WAUKEGAN RD)

19

20+00

REFERENCE BENCHMARK ELEVATION: 639.01'

BENCHMARK: BOLT OF FIRE HYDRANT

LOCATION: N.W. CORNER OF WAUKEGAN RD AND SEWARD ST

LEGEND

XX.XX'

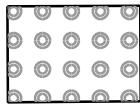
EXISTING LENGTH

=====

PROPOSED SIDE CURB



PROPOSED SIDEWALK



DETECTABLE WARNINGS

REFERENCE BENCHMARK ELEVATION: 639.01'

BENCHMARK: BOLT OF FIRE HYDRANT

LOCATION: N.W. CORNER OF WAUKEGAN RD AND SEWARD ST

USER NAME	= justin.king	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA IMPROVEMENT DETAIL
NW & SW CORNERS OF SEWARD ST & WAUKEGAN RD

SCALE: SHEET 4 OF 4 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	12
CONTRACT NO. 62V42				
ILLINOIS FED. AID PROJECT				

FAU 1332

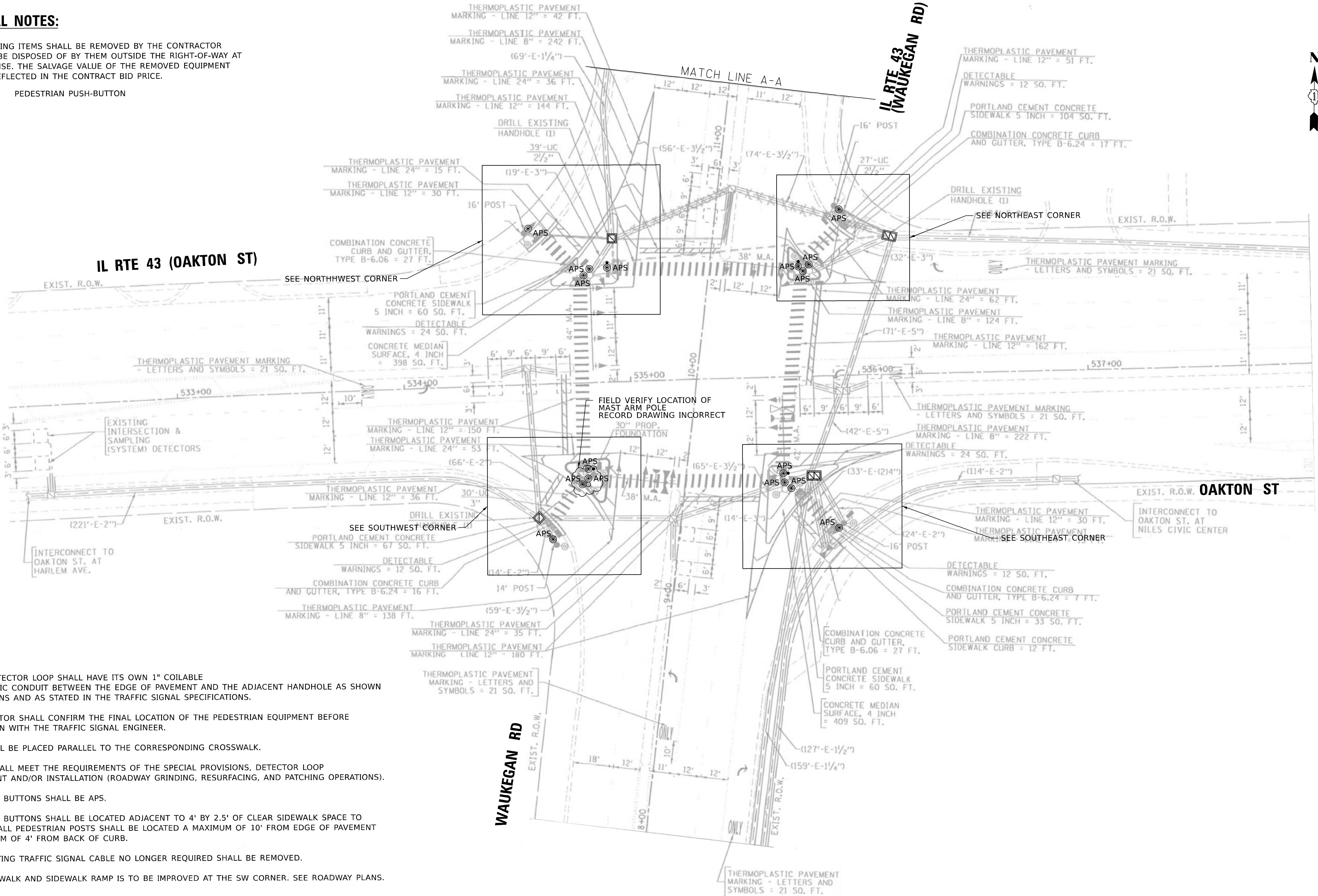
REMOVAL NOTES:

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

12 EACH PEDESTRIAN PUSH-BUTTON

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. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS.
6. ALL PUSH BUTTONS SHALL BE LOCATED ADJACENT TO 4' BY 2.5' OF CLEAR SIDEWALK SPACE TO MEET ADA. ALL PEDESTRIAN POSTS SHALL BE LOCATED A MAXIMUM OF 10' FROM EDGE OF PAVEMENT AND MINIMUM OF 4' FROM BACK OF CURB.
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
8. THE SIDEWALK AND SIDEWALK RAMP IS TO BE IMPROVED AT THE SW CORNER. SEE ROADWAY PLANS.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC MODERNIZATION PLAN
IL-43 (WAUKGEGAN AVE) AT IL-43 (OAKTON ST)

TS 2085
EAGLE 10

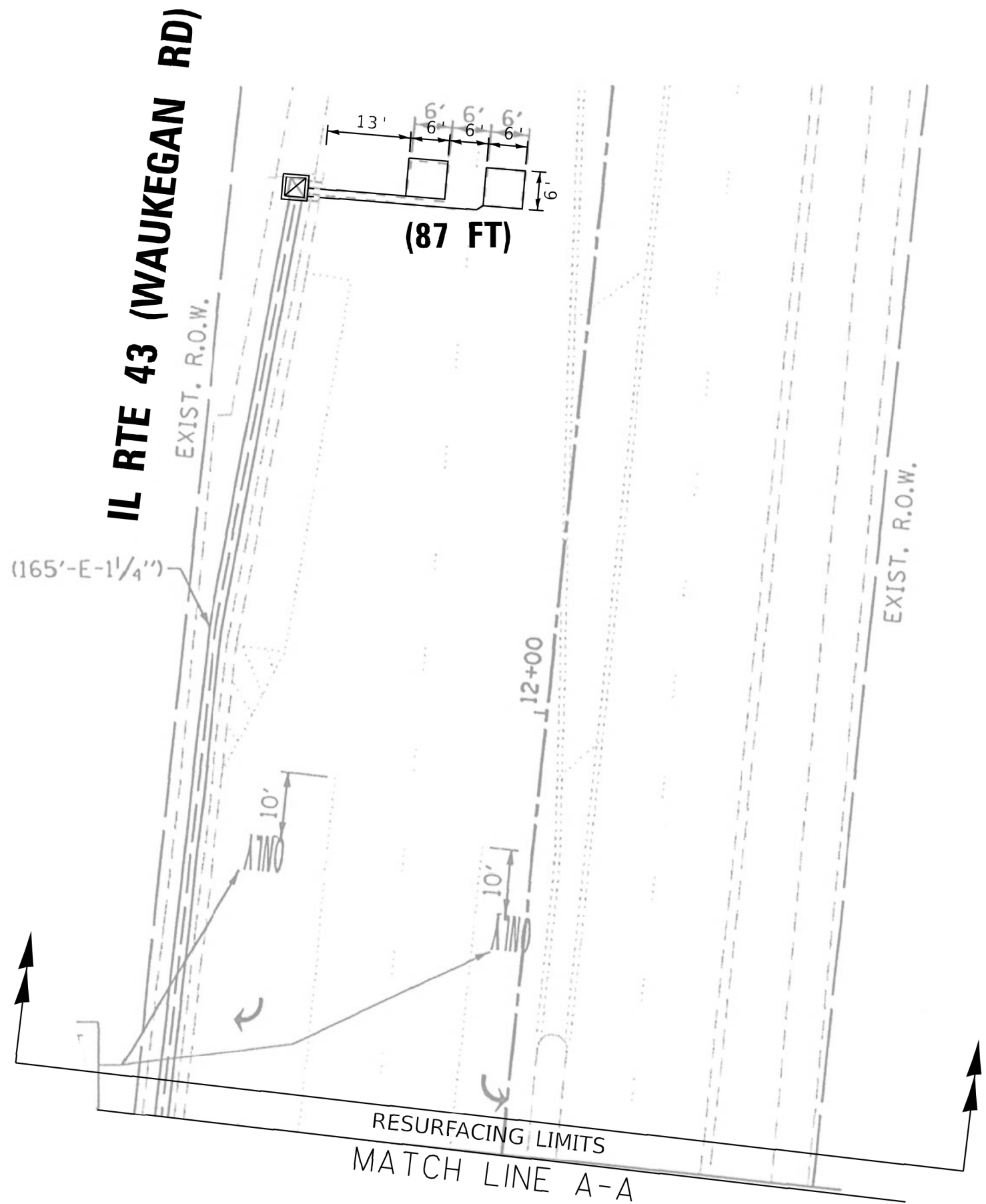
USER NAME	* justin.king	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	13
CONTRACT NO. 62V42				
ILLINOIS FED. AID PROJECT				

FAU 1332

MODEL: Detector Loop Plan1 [Sheet]
FILE NAME: c:\p\work\waukegan\illinois.gov\justin.king@illinois.gov\1095500D\102024-shr-plan.dgn



MODEL: Detector Loop Plan2 [Sheet]
FILE NAME: c:\p\work\pwr\illinois.gov\justin.king@illinois.gov\1095500D102024-shr-plan.dgn

USER NAME	= justin.king	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

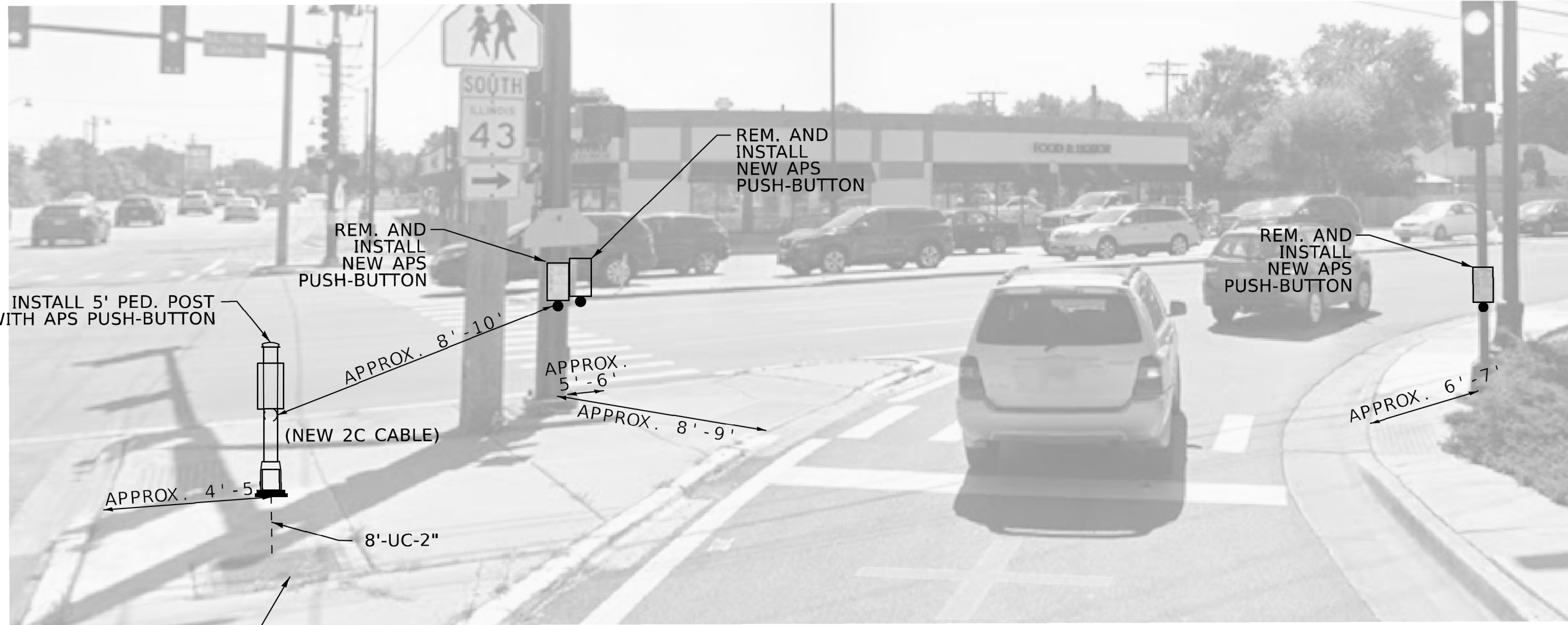
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC MODERNIZATION PLAN
IL-43 (WAUKGEGAN AVE) AT IL-43 (OAKTON ST)

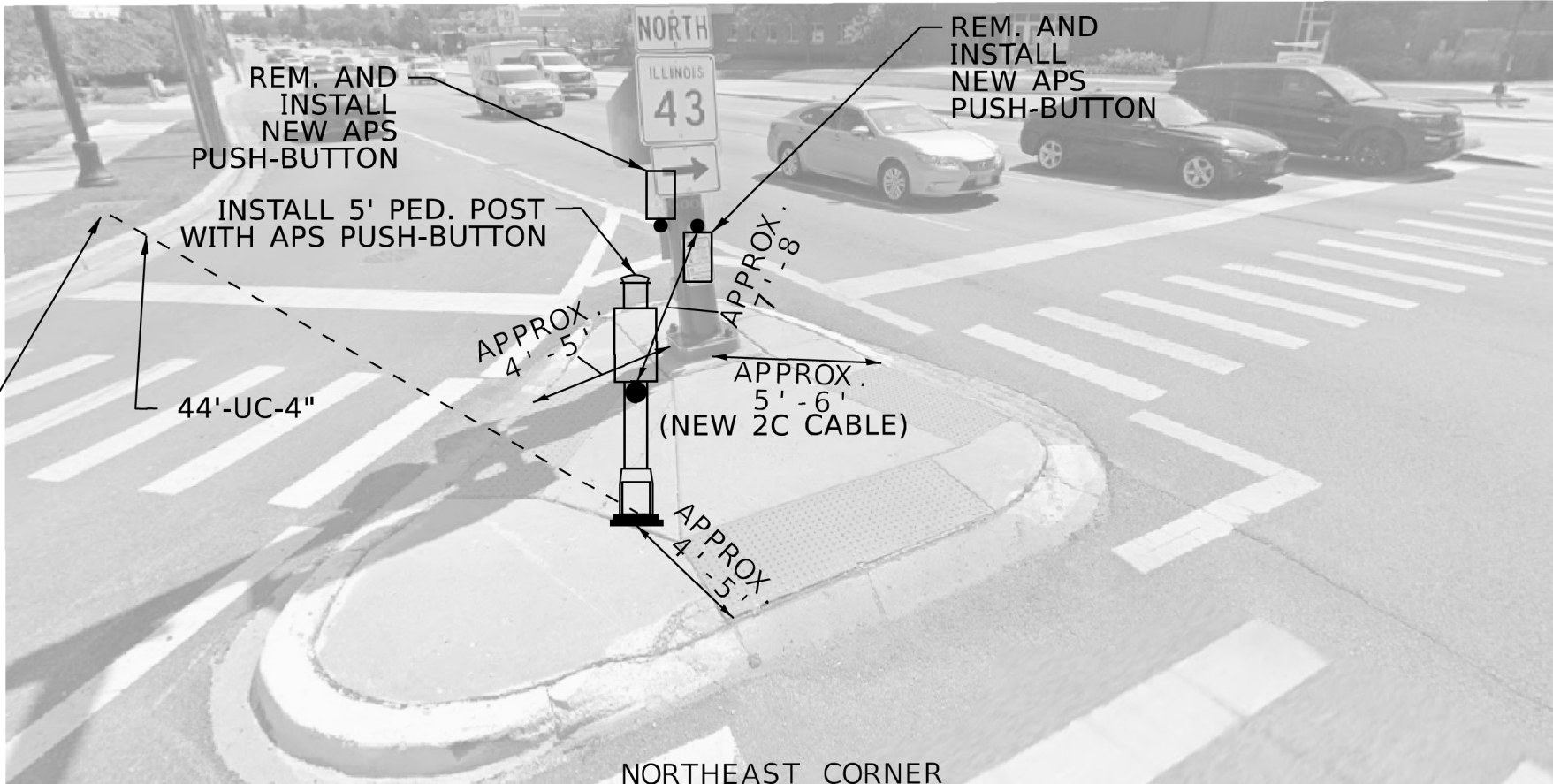
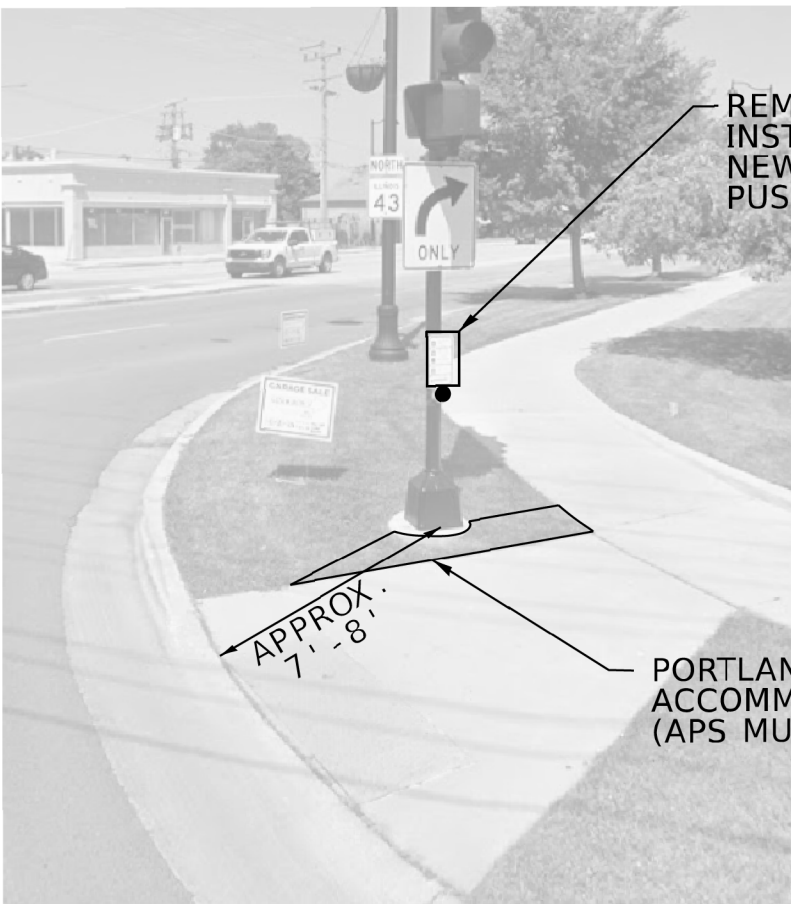
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	14
CONTRACT NO. 62V42				
		ILLINOIS	FED. AID PROJECT	

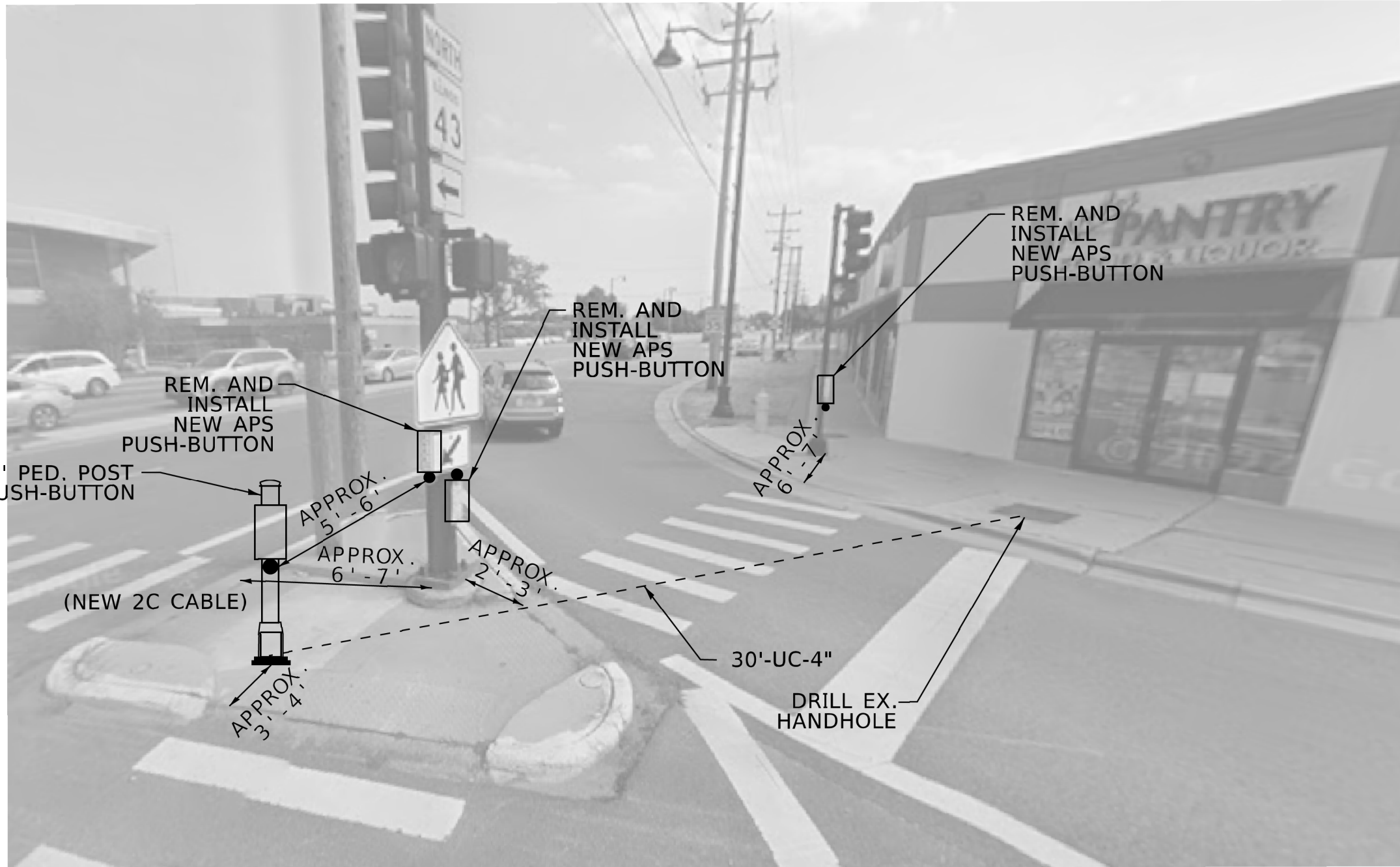
MODEL: Detector Loop Plan3 [Sheet]
FILE NAME: c:\p\work\awd\illinois.gov_justin.king@illinois.gov\1095500D\102024-shr-plan.dgn



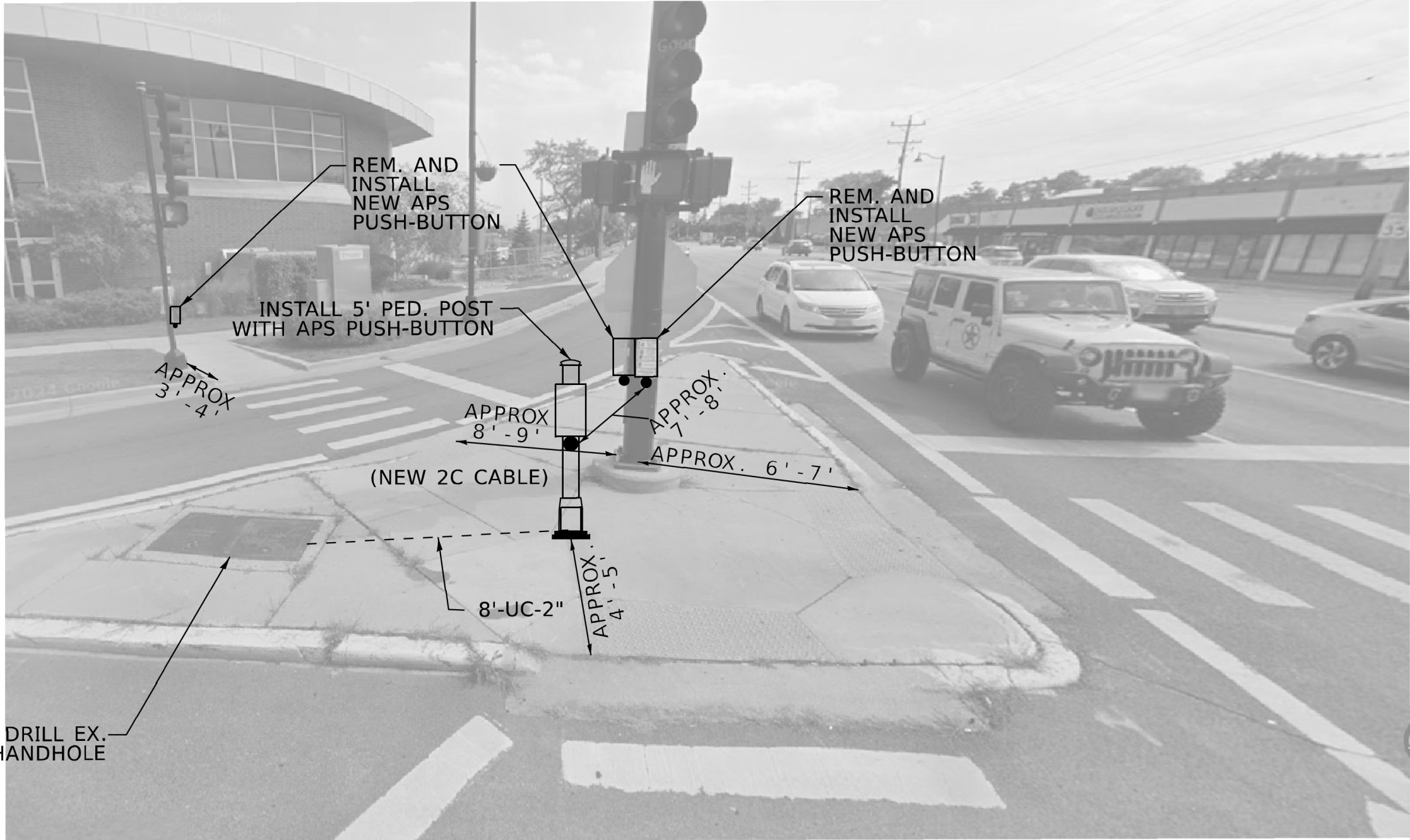
NORTHWEST CORNER



NORTHEAST CORNER



SOUTHWEST CORNER



SOUTHEAST CORNER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC MODERNIZATION PLAN
IL-43 (WAUKGEGAN AVE) AT IL-43 (OAKTON ST)

TS 2085
EAGLE 10

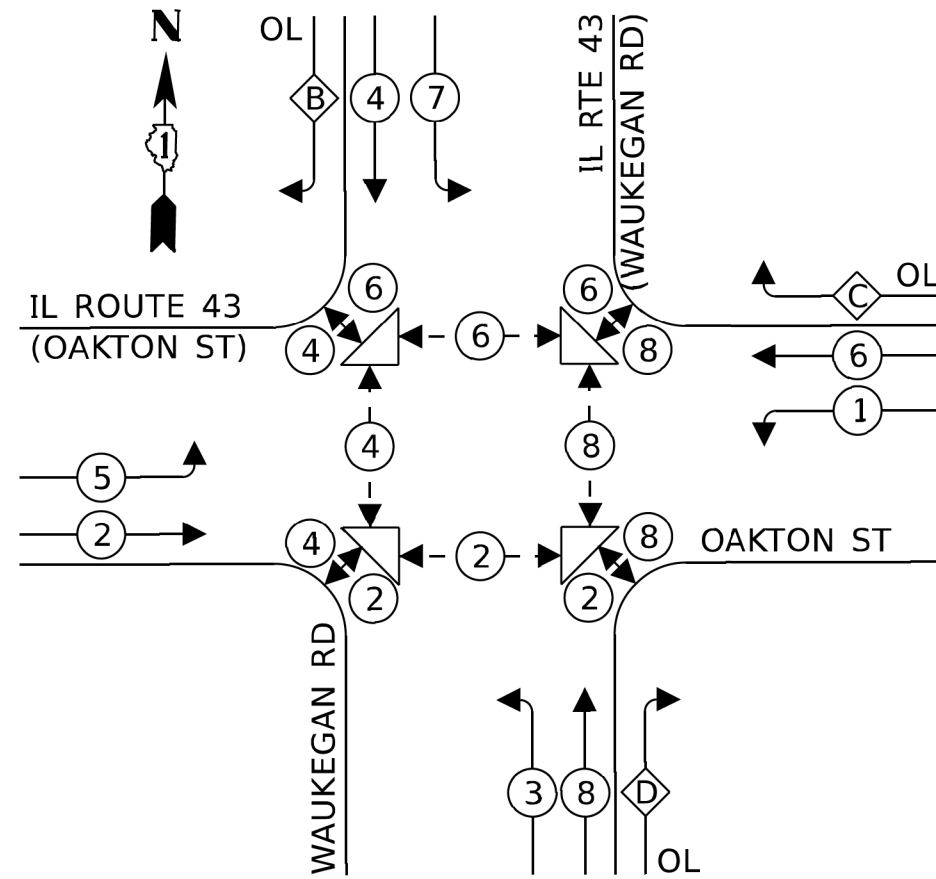
USER NAME	* justin.king	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

SCALE: SHEET OF SHEETS STA. TO STA.

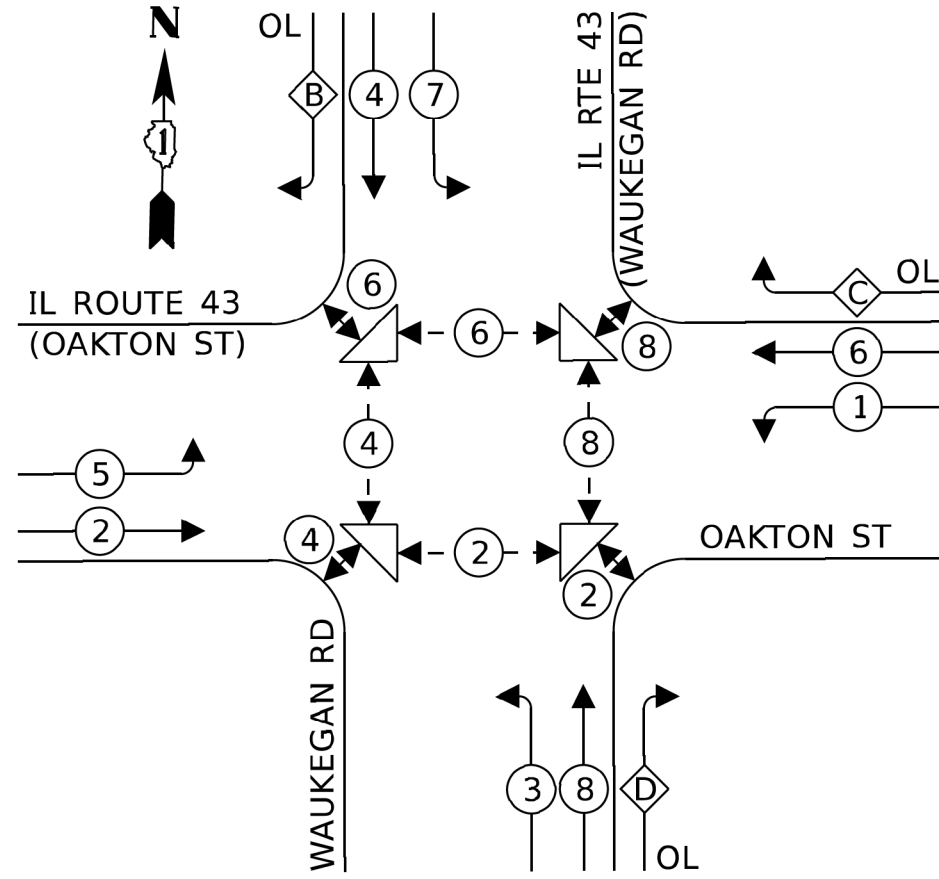
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	15
CONTRACT NO. 62V42				
ILLINOIS FED. AID PROJECT				

FAU 1332

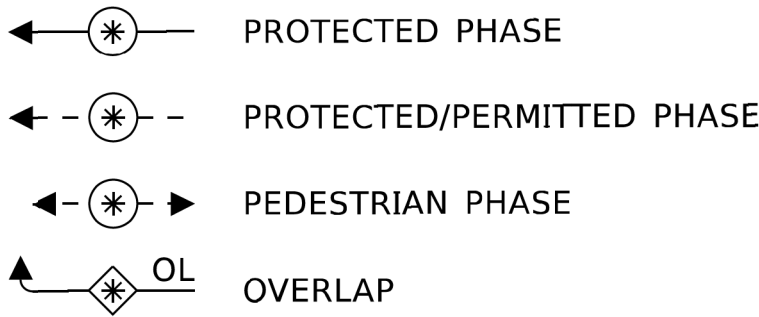
EXISTING
CONTROLLER SEQUENCE



PROPOSED
CONTROLLER SEQUENCE



LEGEND:

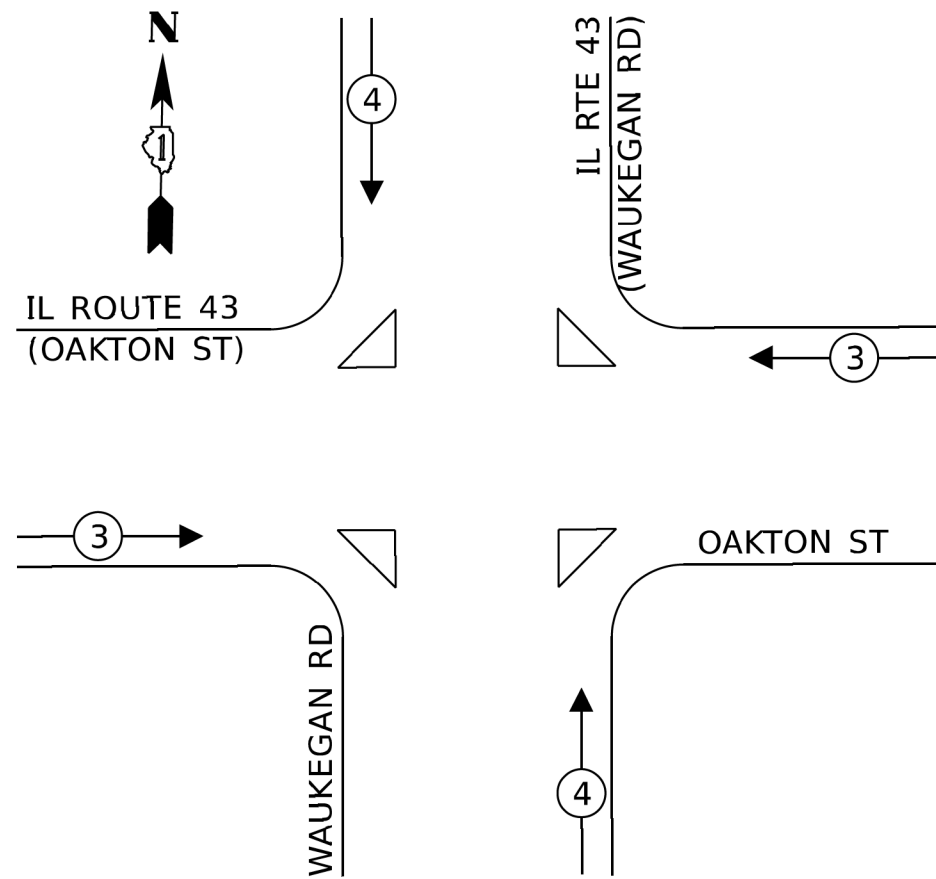


RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5
C	=	6	+	7
D	=	8	+	1

IL RTE 43
(OAKTON ST)

EXISTING AND PROPOSED EMERGENCY
VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	6	11	66
4-SECTION	-	14	-
5-SECTION	15	13	195
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	16	15	240
CONTROLLER	1	150	150
MASTER CONTROLLER	1	100	100
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			776
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			1,381

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	12
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	16
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	74
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	886
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	110
DRILL EXISTING HANDHOLE	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	87
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	16
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

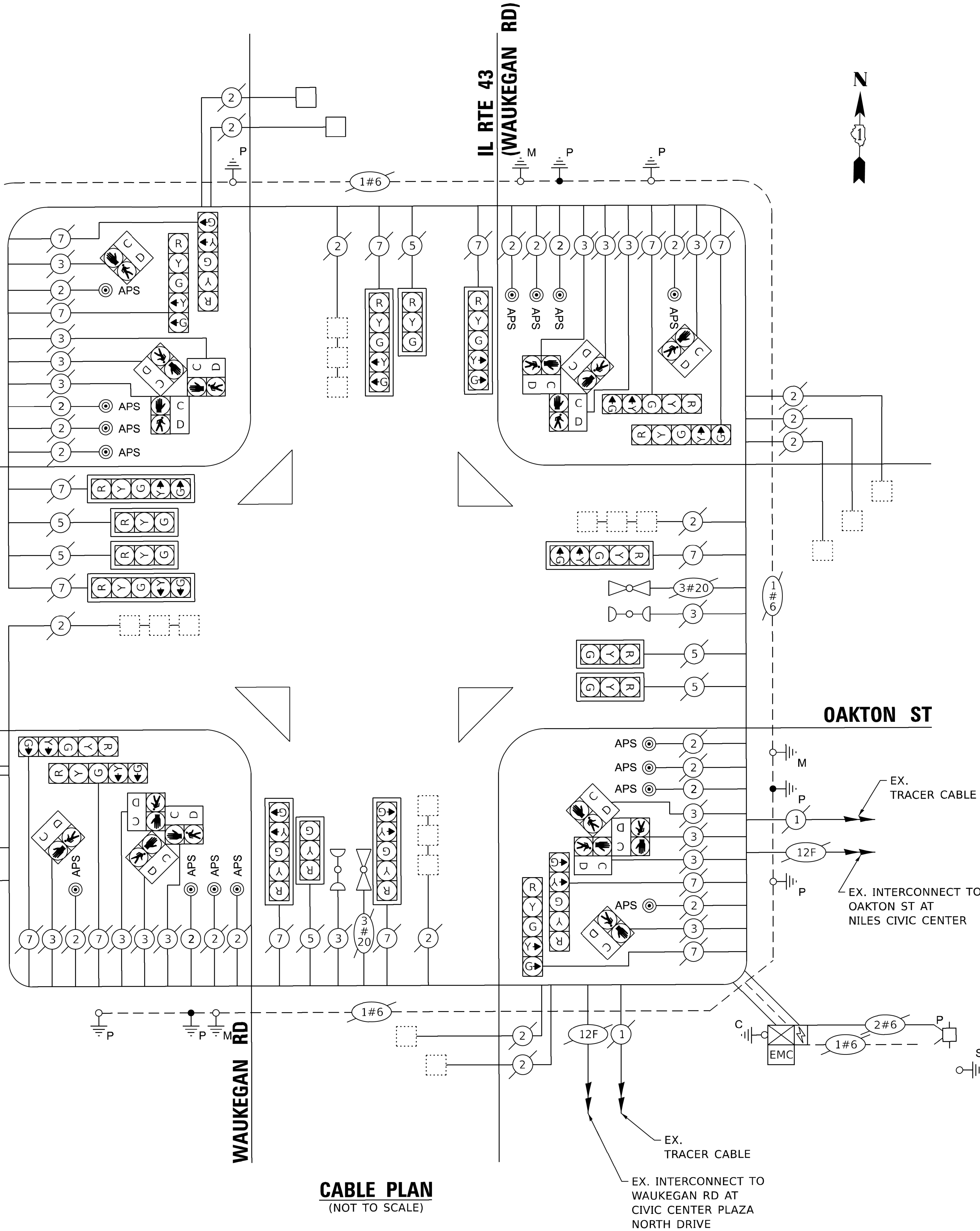
ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPARTMENT
PHONE: (866) 639-3532
COMPANY: COMED
ACCOUNT NUMBER: 73888-42222
METER NUMBER: ---

EX. TRACER CABLE
EX. INTERCONNECT TO
OAKTON ST AT
HARLEM AVE

EX. TRACER CABLE
EX. INTERCONNECT TO
OAKTON ST AT
NILES CIVIC CENTER

EX. TRACER CABLE
EX. INTERCONNECT TO
WAUKEGAN RD AT
CIVIC CENTER PLAZA
NORTH DRIVE

CABLE PLAN
(NOT TO SCALE)



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
IL-43 (WAUKGEGAN AVE) AT IL-43 (OAKTON ST)

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	16
CONTRACT NO. 62V42				
ILLINOIS FED. AID PROJECT				

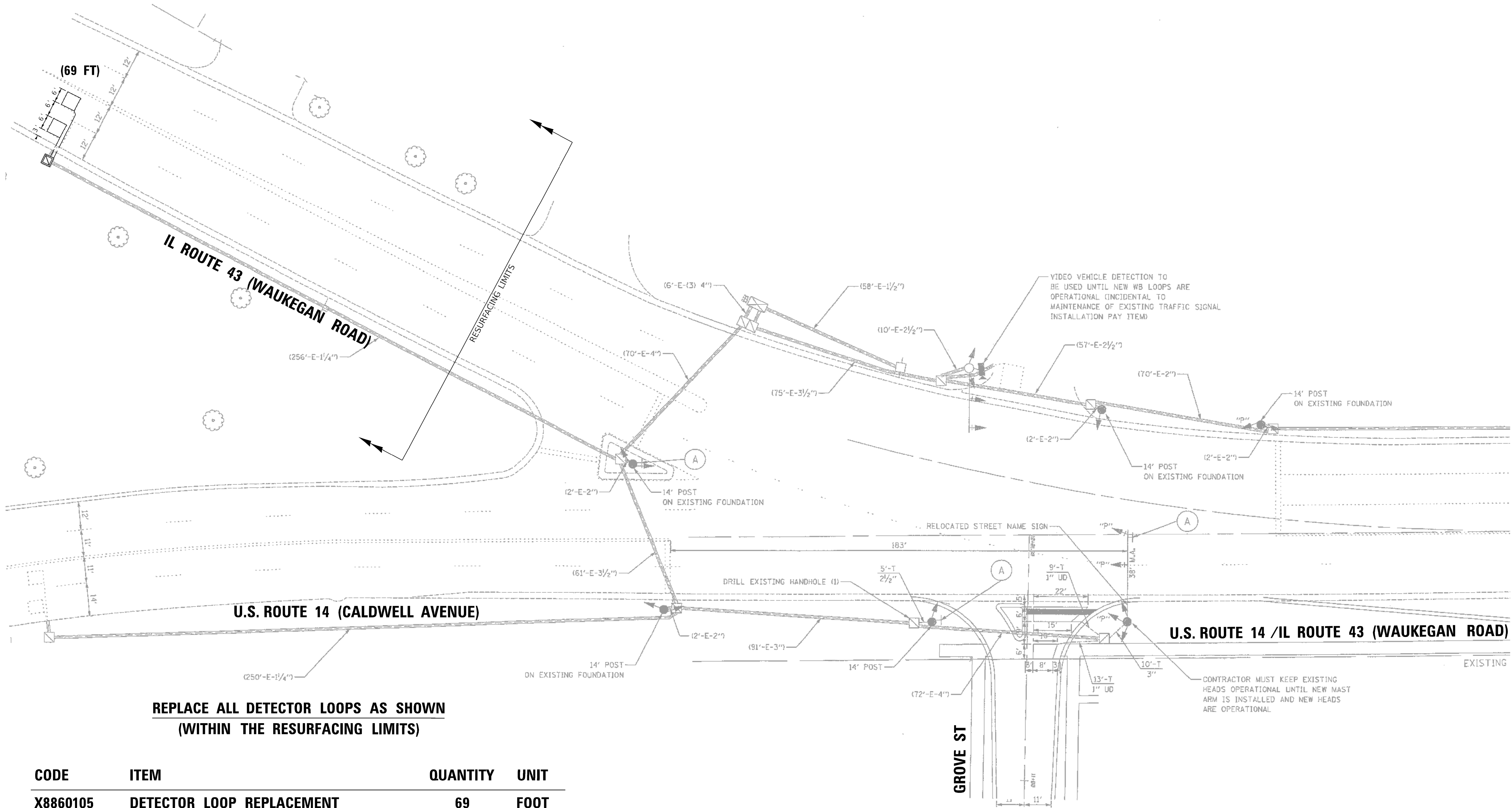
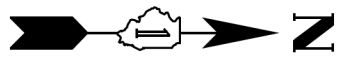
FAU 1332

TS 2085
EAGLE 10

MODEL: Detector Loop Plan.dgn [Sheet]
FILE NAME: c:\paw\work\waukegan\illinois\paw\1095500\102024-shr-plan.dgn

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS)".
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	69	FOOT

TS 1175
ECON 8

MODEL: Detector Loop Plans (Sheet)
FILE NAME: c:\p\work\waukegan\illinois.gov\justin.king@illinois.gov\1095500\102024-shr-plan.dgn

USER NAME	= justin.king	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

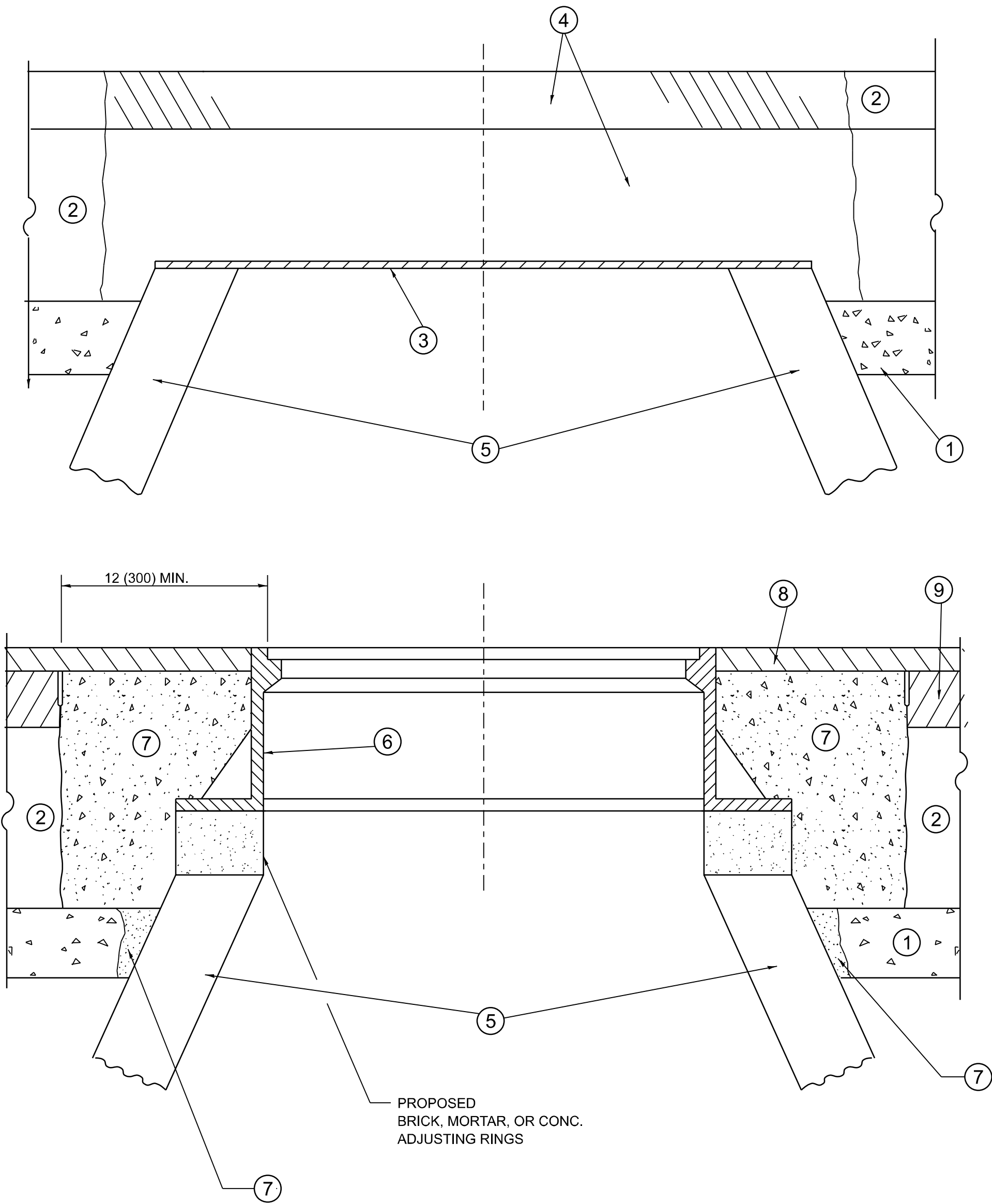
DETECTOR LOOP REPLACEMENT PLAN
IL-43 (WAUKGEGAN AVE) AT IL-43 (OAKTON ST)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	17
CONTRACT NO. 62V42				
ILLINOIS FED. AID PROJECT				

FAU 1332

MODEL: BD-08 [Sheet]
FILE NAME: c:\pav_work\pavinfo\illinois.gov_justin.king@illinois.gov\d1095500D102024-shft-DistStd.sgn



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

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

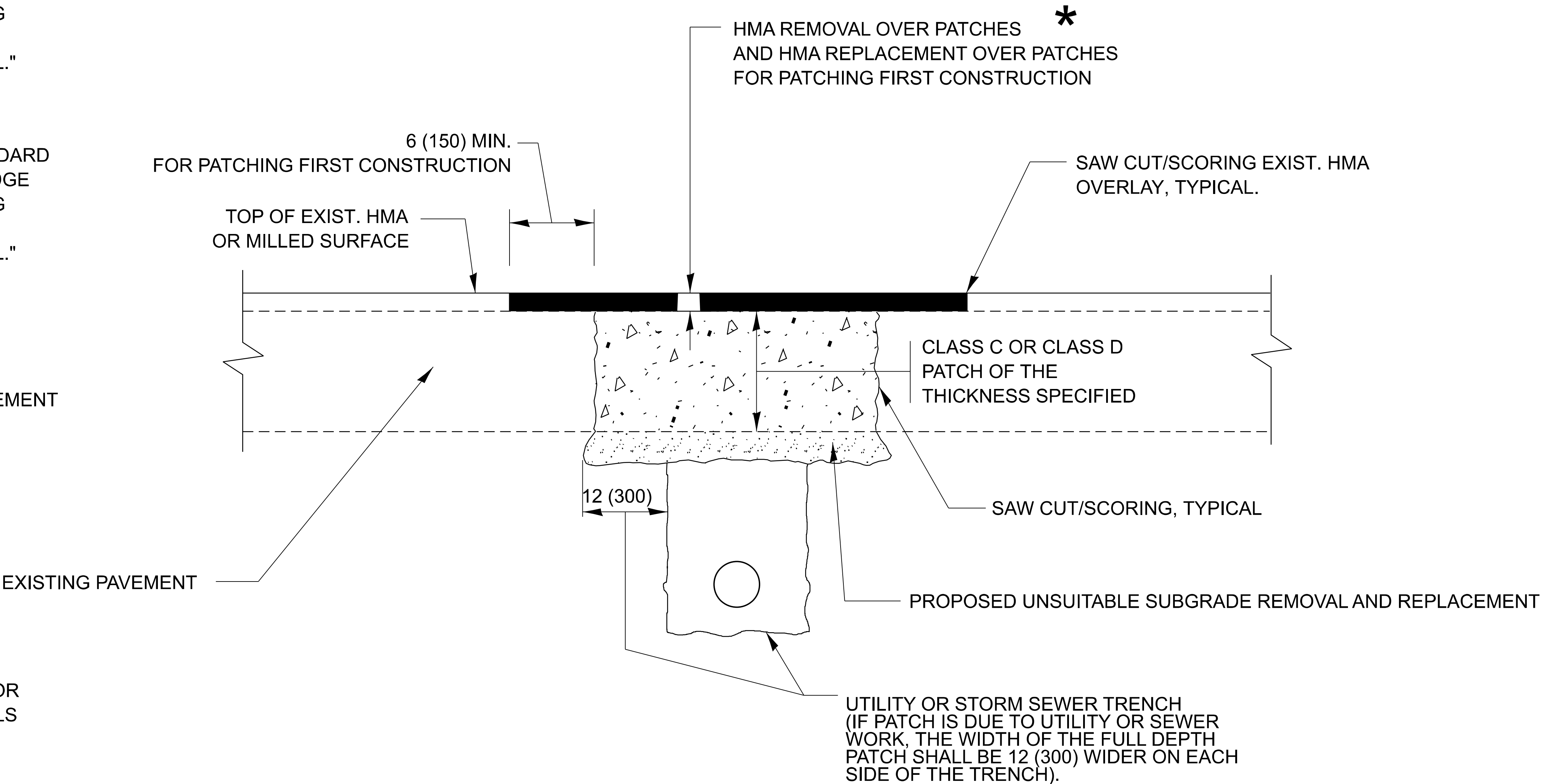
	USER NAME = justin.king	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 12-06-11					348	FAP 0348/1332 23 RES	COOK	43	18
		CHECKED -	REVISED - K. SMITH 11-18-22		BD600-03 (BD-08)			CONTRACT NO. 62V42				
	PLOT DATE = 8/19/2026	DATE - 10-25-94	REVISED - K. SMITH 09-15-23		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

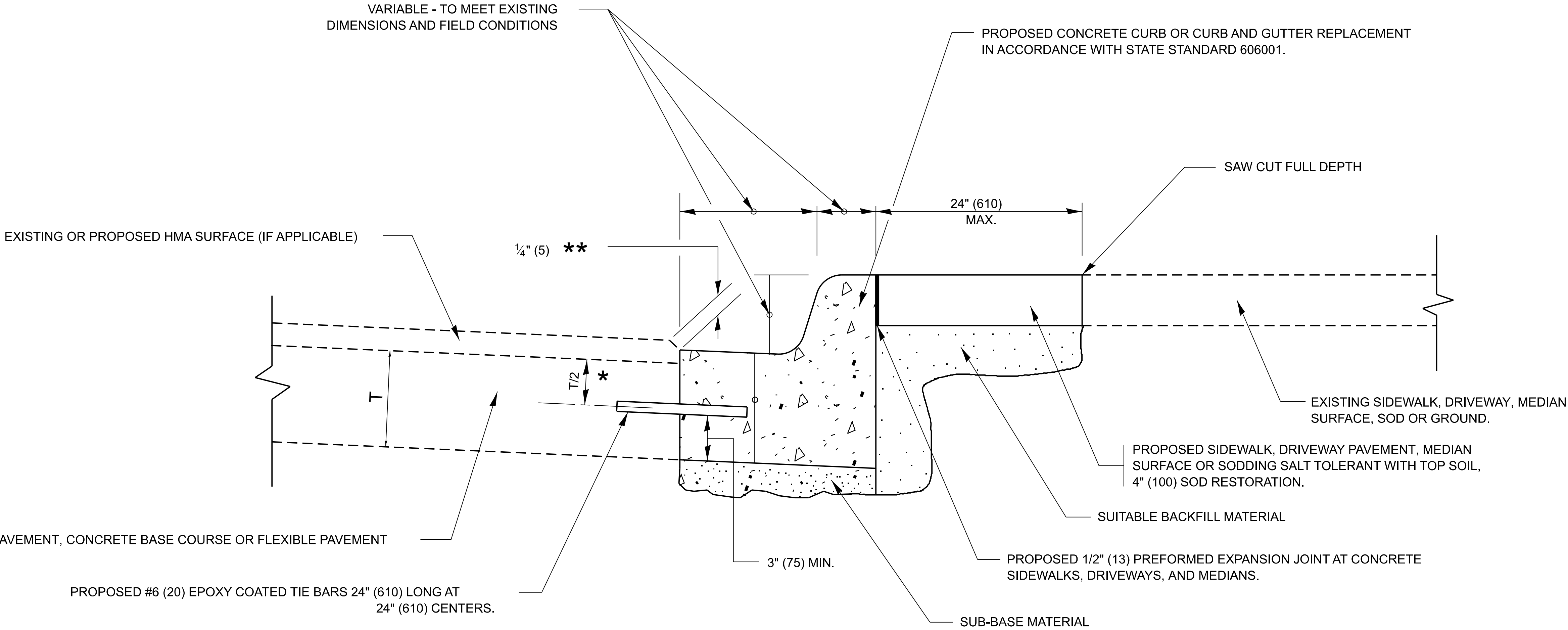
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 1. MILL HMA FIRST IF THERE IS AT LEAST 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.

MODEL: BD-22 [Sheet]
FILE NAME: c:\pav_work\pavitch\illinois.gov\justin.king@illinois.gov\1095500D102024-shf-DistSds.dgn

	USER NAME	= justin.king	DESIGNED	-	R. SHAH	REVISED	-	R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN	-		REVISED	-	R. BORO 09-04-07						348	FAP 0348/1332 23 RES	COOK	43	19
			CHECKED	-		REVISED	-	K. ENG 10-27-08						BD400-04 (BD-22)		CONTRACT NO. 62V42		
	PLOT DATE	= 8/19/2026	DATE	-	10-25-94	REVISED	-	K. SMITH 11-18-22						SCALE: NONE		SHEET 1	OF 1	SHEETS
										ILLINOIS		FED. AID PROJECT						



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

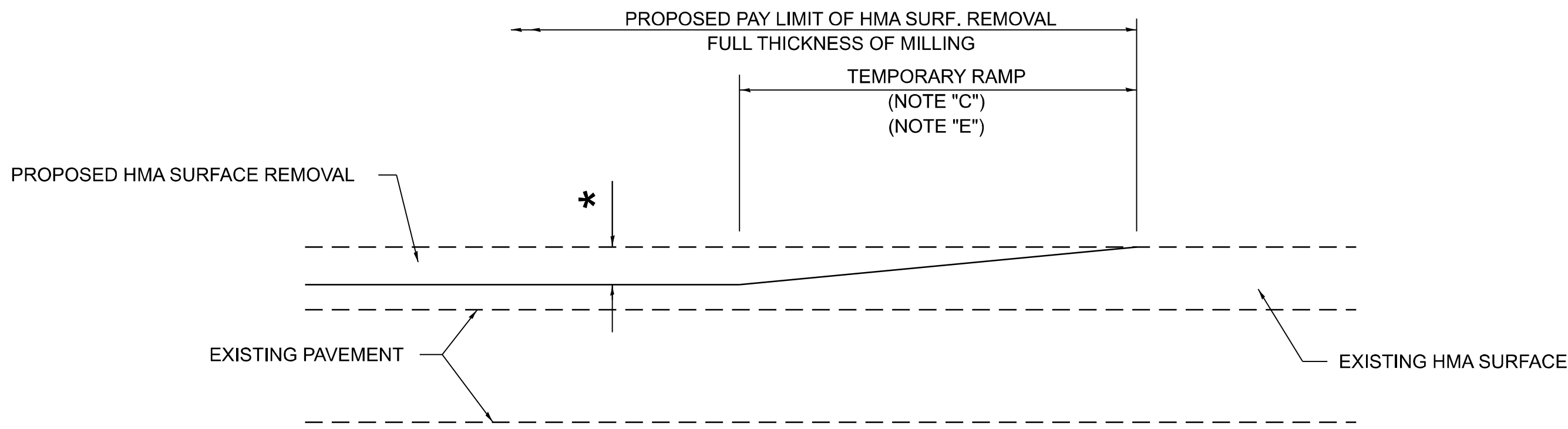
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

MODEL: BD-24 [Sheet]
FILE NAME: c:\p\work\p\work\illinois.gov\illinois.gov\illinois.gov\1095500D102024-shl-DistSds.dgn

	USER NAME	= justin.king	DESIGNED	-	A. HOUSEH	REVISED	-	A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT					F.A.P RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.		
			DRAWN	-				REVISED							-	M. GOMEZ 01-22-01	348	FAP 0348/1332 23 RES		COOK	43	20
			CHECKED	-				REVISED							-	R. BORO 12-15-09	BD600-06 (BD-24)		CONTRACT NO. 62V42			
			PLOT DATE	= 8/19/2026	DATE	-	03-11-94	REVISED							-	K. SMITH 07-11-19	SCALE: NONE		SHEET 1	OF 1	SHEETS	STA.

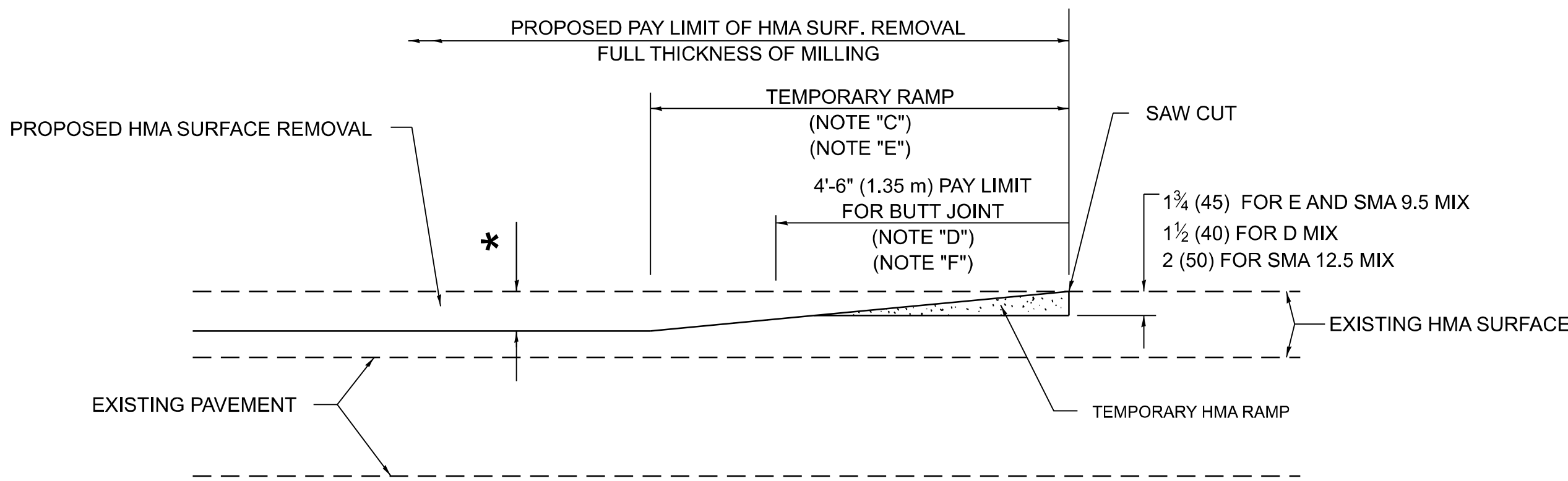
MODEL: BD-32 [Sheet]
FILE NAME: c:\pav_work\pavdetail\illinois.gov\1095500D\102024-shf-DistStd.dgn



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

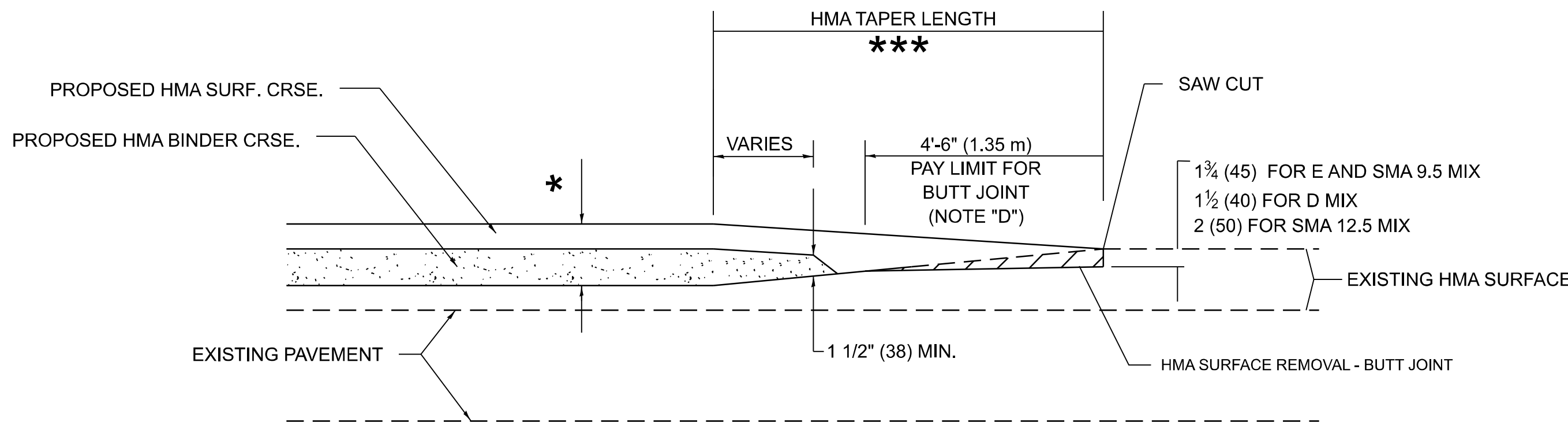


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

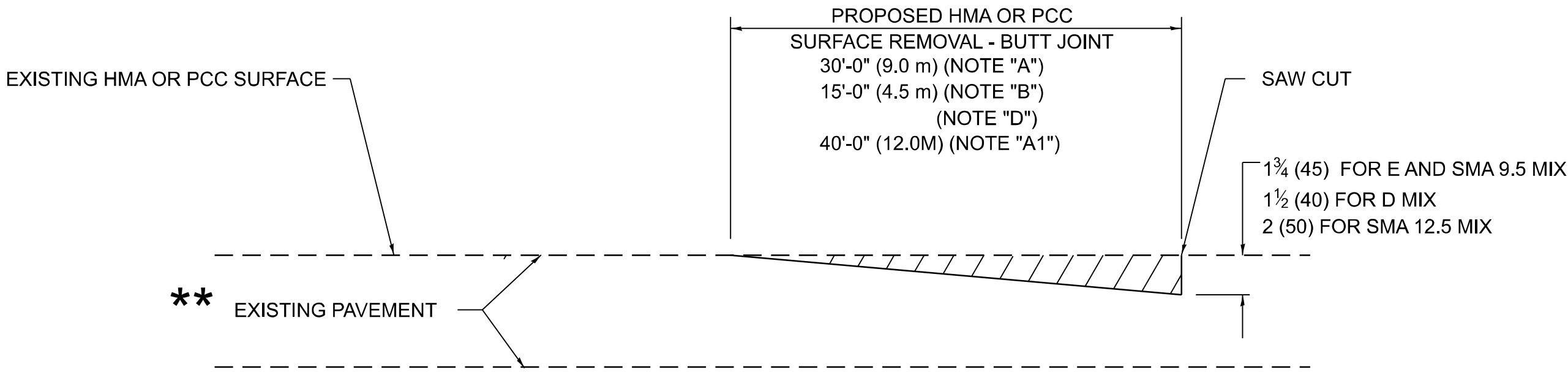
OPTION 2

TYPICAL TEMPORARY RAMP

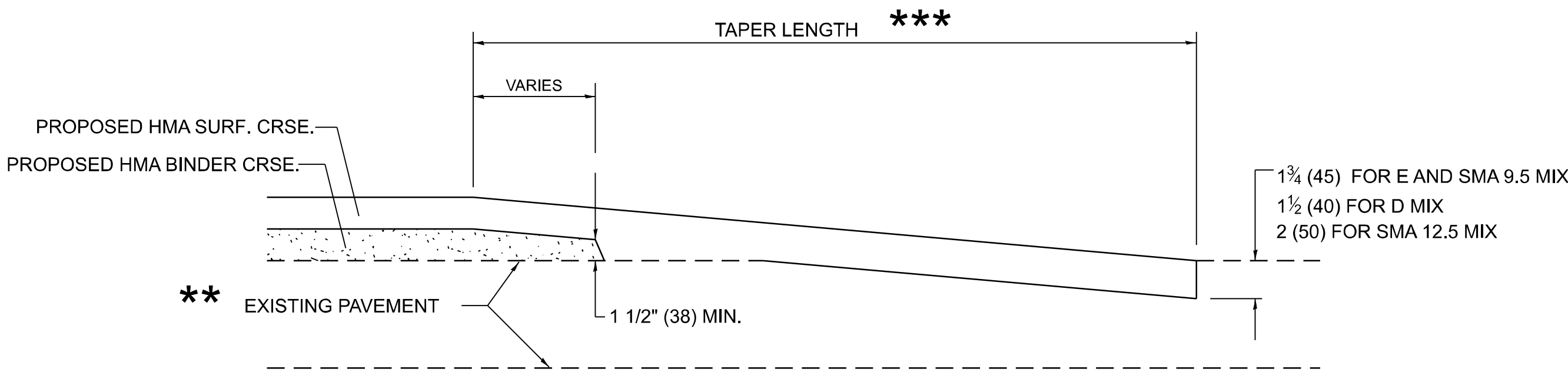


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

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

BASIS OF PAYMENT

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

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

USER NAME	* justin.king	DESIGNED	- M. DE YONG	REVISED	- A. ABBAS 03-21-97
		DRAWN	-	REVISED	- M. GOMEZ 04-06-01
		CHECKED	-	REVISED	- R. BORO 01-01-07
PLOT DATE	= 8/19/2026	DATE	- 06-13-90	REVISED	- K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	21
BD400-05 BD-32		CONTRACT NO. 62V42		
		ILLINOIS	FED. AID PROJECT	

TRAFFIC SIGNAL LEGEND

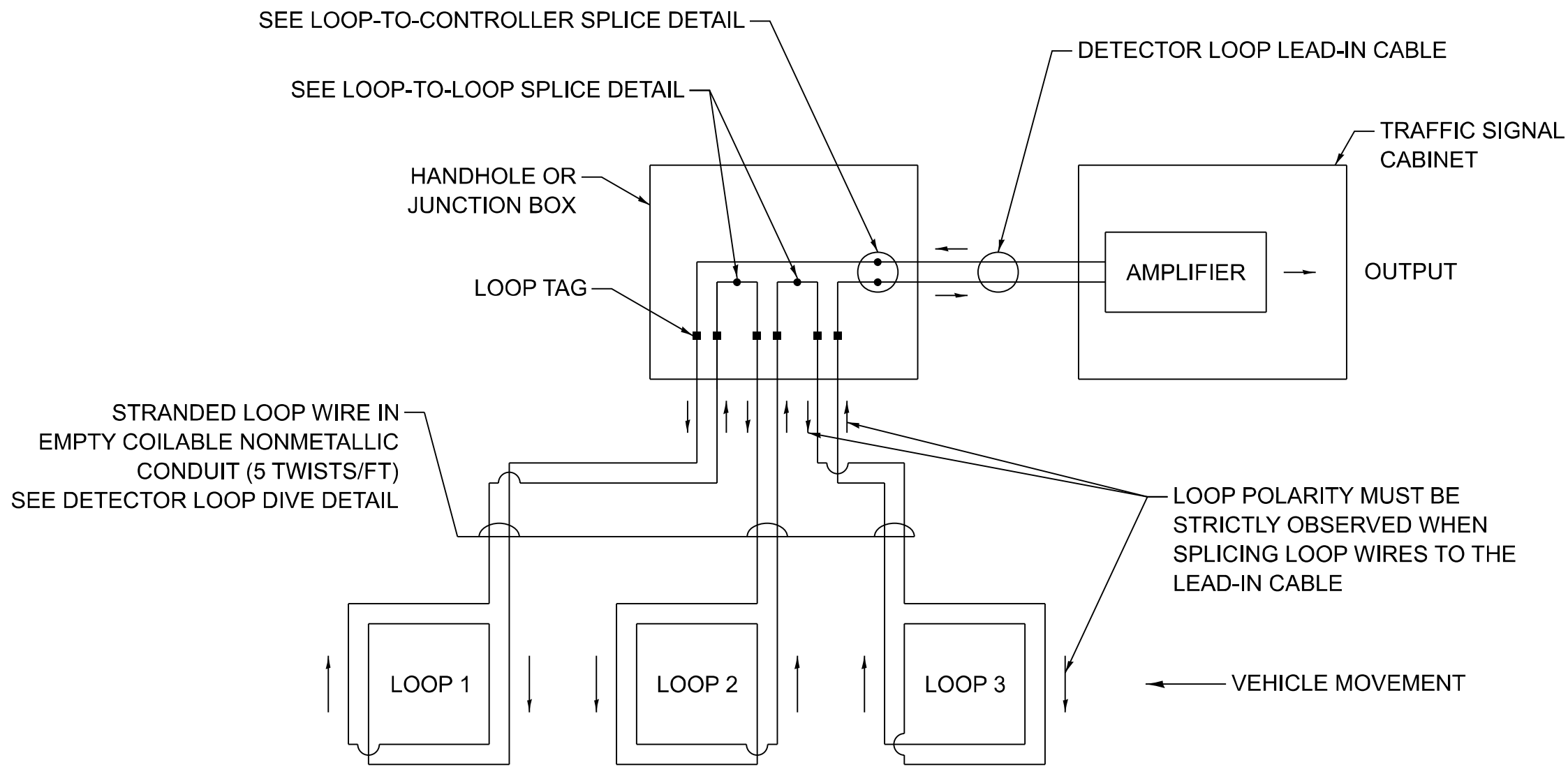
ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
TRAFFIC SIGNAL CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	 P EV	 P EV
UNINTERRUPTABLE POWER SUPPLY			DOUBLE HANDHOLE			SIGNAL HEAD WITH BACKPLATE -(RB) RETROREFLECTIVE BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	 RB P EV	 RB P EV
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
MASTER CONTROLLER			JUNCTION BOX			ILLUMINATED LED SIGN "NO LEFT TURN"/"NO RIGHT TURN"	 	
MASTER MASTER CONTROLLER			RAILROAD CANTILEVER MAST ARM			ELECTRIC CABLE, SIGNAL, NO. 14 - 2/C, 3/C, 5/C, 7/C		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			ELECTRIC CABLE, LEAD-IN, NO. 14, 1 PAIR		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			SERVICE CABLE, 2/C - NO. 2, NO. 4, NO. 6	 	
CELLULAR MODEM			RAILROAD CROSSBUCK			GROUND CABLE NO. 6 SOLID COPPER (GREEN), 1/C		
TELEPHONE CONNECTION			RAILROAD CONTROLLER BUNGALOW			ELECTRIC CABLE, TRACER, NO. 14, 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			ELECTRIC CABLE, RAILROAD, NO. 14, 3/C		
ALUMINUM MAST ARM ASSEMBLY AND POLE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			ELECTRIC CABLE, STREET NAME SIGN NO. 14, 3/C, TYPE SOOW		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			SYSTEM ITEM			VENDOR CABLE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			INTERSECTION ITEM			EMERGENCY VEHICLE PRIORITY LINE SENSOR CABLE, NO. 20, 3/C		
WOOD POLE			REMOVAL ITEM			OUTDOOR RATED NETWORK CABLE		
GUY WIRE			RELOCATE ITEM			FIBER OPTIC CABLE -12F: 12 MULTIMODE -24F: 12 MULTIMODE / 12 SINGLE MODE -36F: 12 MULTIMODE / 24 SINGLE MODE -24SM: 24 SINGLE MODE -48SM: 48 SINGLE MODE	 	
SIGNAL HEAD			ABANDON ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	 	
SIGNAL HEAD WITH BACKPLATE			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
SIGNAL HEAD - PROGRAMMABLE			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			DETECTOR LOOP, TYPE I					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	 	 	PREFORMED DETECTOR LOOP					
RADAR DETECTION SENSOR			WIRELESS DETECTOR SENSOR					
VIDEO DETECTION CAMERA								
RADAR/VIDEO DETECTION ZONE								
PAN, TILT, ZOOM (PTZ) CAMERA								
EMERGENCY VEHICLE LIGHT DETECTOR								
CONFIRMATION BEACON								
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								
WIRELESS ACCESS POINT								

MODEL: TS-05a [Sheet] FILE NAME: c:\p\work\pavider\illinois.gov\illinois.gov\id1095500D102024-shl-DistSigs.dgn	USER NAME = justin.king		DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - IP	REVISED -					348	FAP 0348/1332 23 RES	COOK	43	22
			CHECKED - NB/KK	REVISED -					TS-01		CONTRACT NO. 62V42		
	PLOT DATE = 8/19/2026		DATE - 10/15/2025	REVISED -					ILLINOIS FED. AID PROJECT				
SCALE: NONE			SHEET 1	OF 7 SHEETS		STA.	TO STA.						

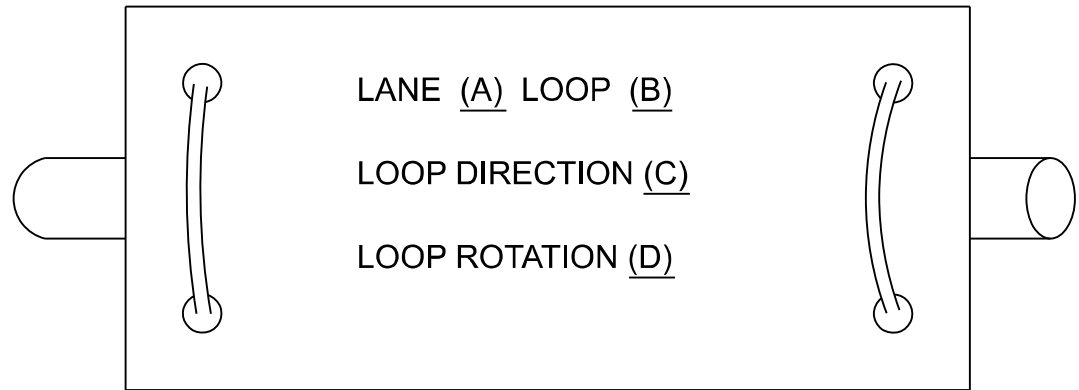
FAU 1332

DETECTOR LOOP NOTES:

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. 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.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES 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" APART.
9. 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.
10. PREFORMED DETECTOR LOOPS SHALL BE USED WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

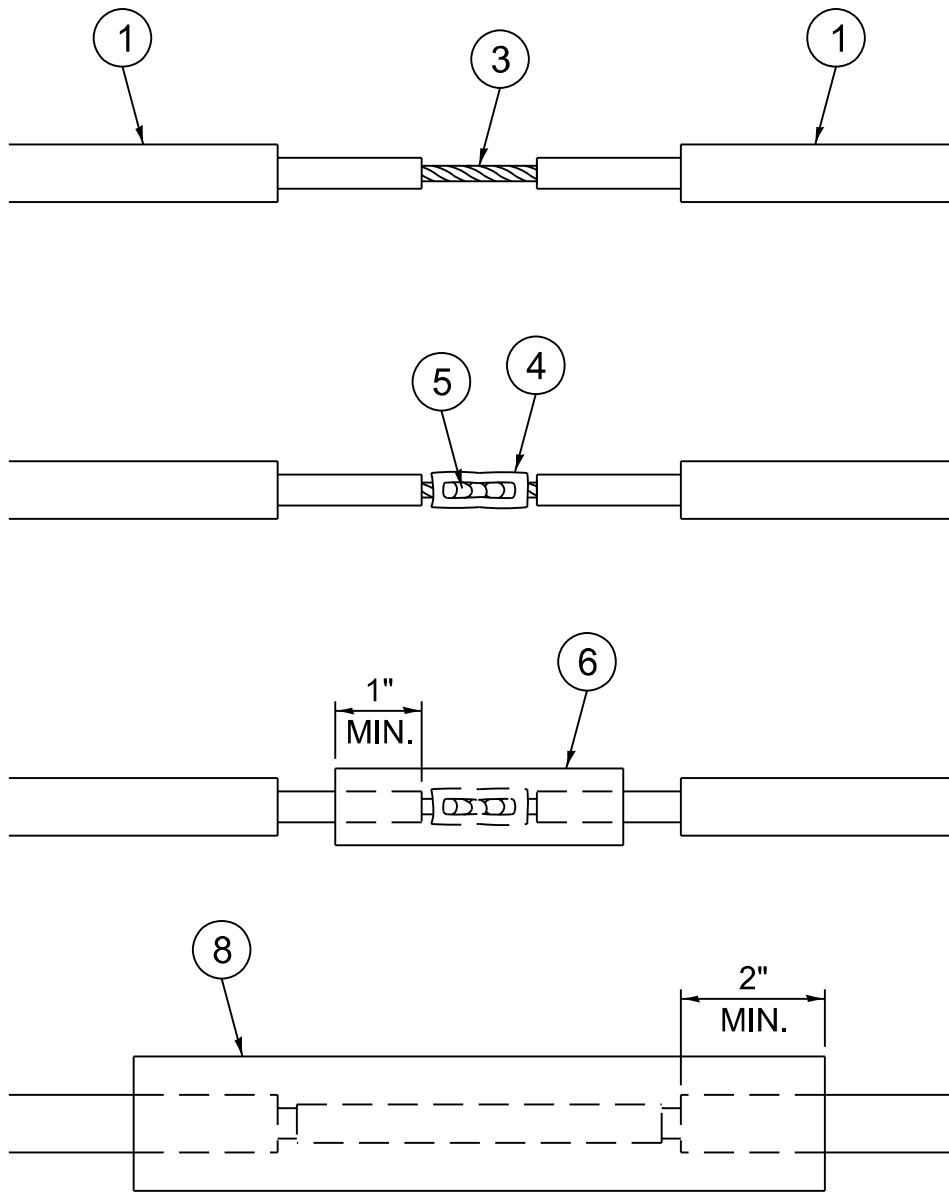


DETECTOR LOOP WIRING SCHEMATIC



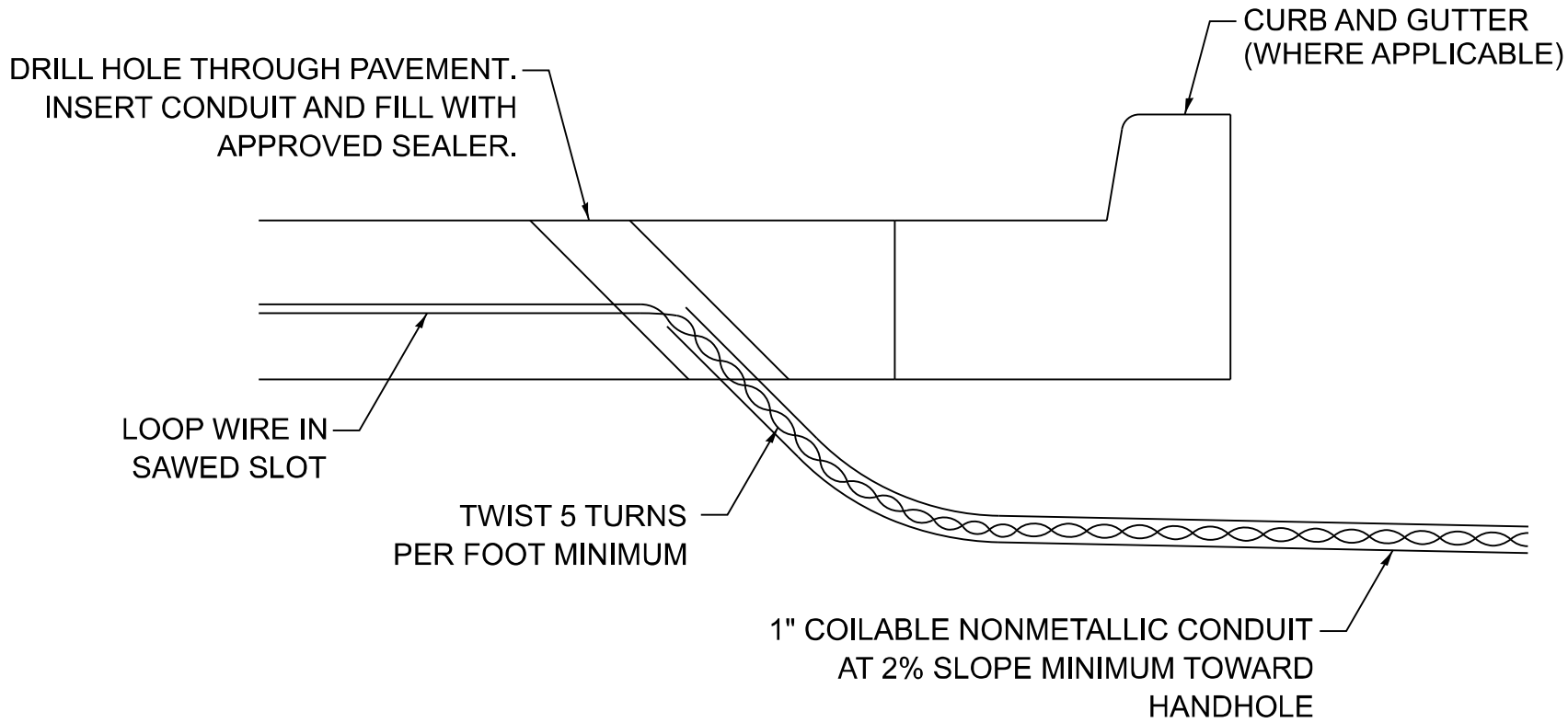
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

DETECTOR LOOP LEAD-IN CABLE TAG

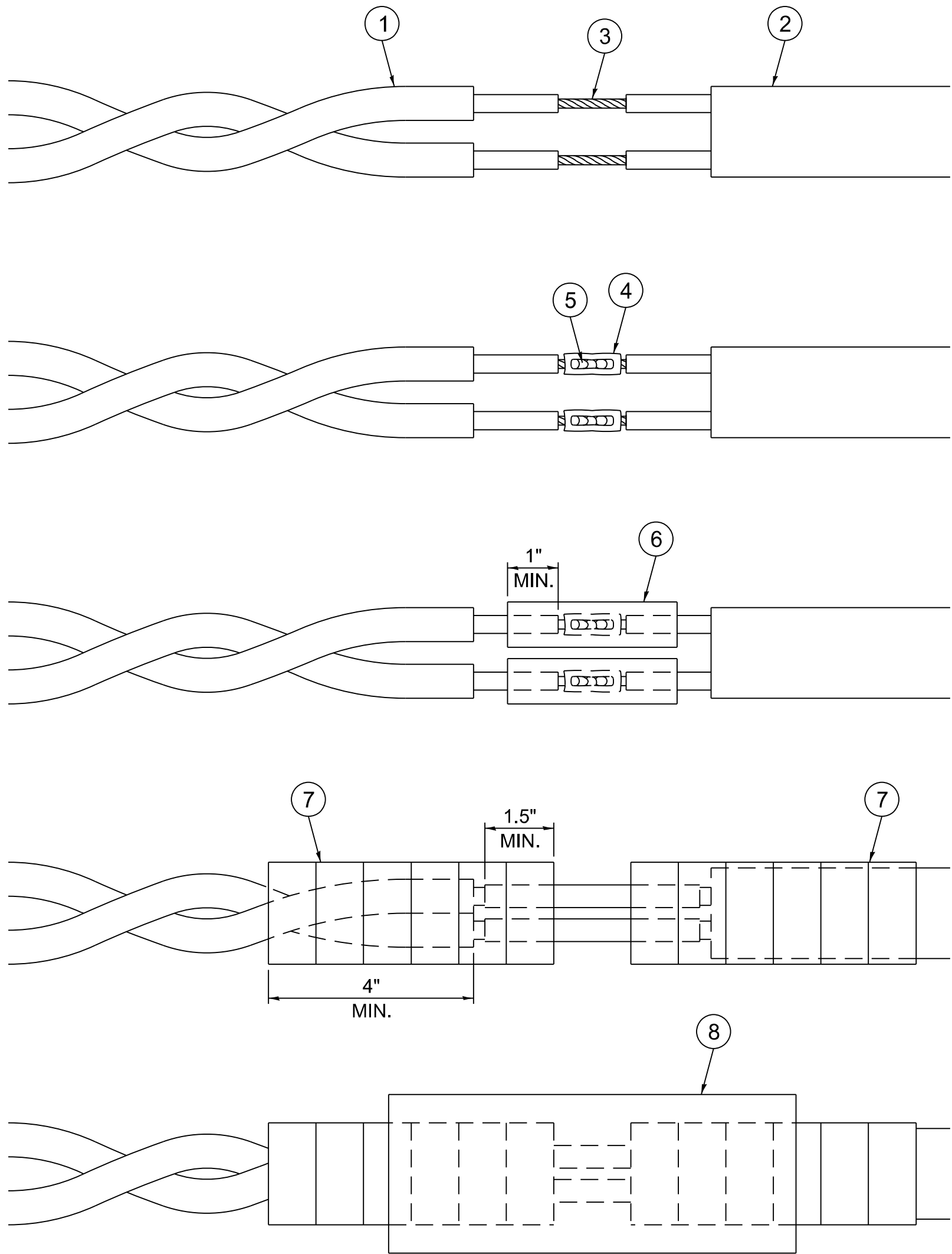


LOOP-TO-LOOP SPLICE DETAIL

- 1 DETECTOR LOOP CABLE.
- 2 DETECTOR LOOP LEAD-IN CABLE
- 3 BARE CONDUCTORS TWISTED TOGETHER.
- 4 BUTT SPLICE CRIMP CONNECTOR.
- 5 SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE SPLICES SHALL BE STAGGERED.
- 6 WCSMW 30/100 HEAT SHRINK TUBE, 3" MINIMUM LENGTH, UNDERWATER GRADE.
- 7 SELF-INFUSED, SILICONE ELECTRICAL TAPE TIGHTLY WRAPPED AROUND CABLES.
- 8 WCS 200/750 HEAT SHRINK TUBE, 8" MINIMUM LENGTH, UNDERWATER GRADE.



DETECTOR LOOP DIVE DETAIL



LOOP-TO-CONTROLLER SPLICE DETAIL

MODEL: TS-05b (Sheet)
FILE NAME: c:\p\work\pav\dist1\illinois.gov\justin.king@illinois.gov\d1095500D102024-shf-DistStd.dgn

	USER NAME	= justin.king	DESIGNED	-	IP	REVISED	-
	DRAWN	-	IP	REVISED	-		
	CHECKED	-	NB/KK	REVISED	-		
	PLOT DATE	= 8/19/2026	DATE	-	10/15/2025	REVISED	-

STATE OF ILLINOIS	
DEPARTMENT OF TRANSPORTATION	

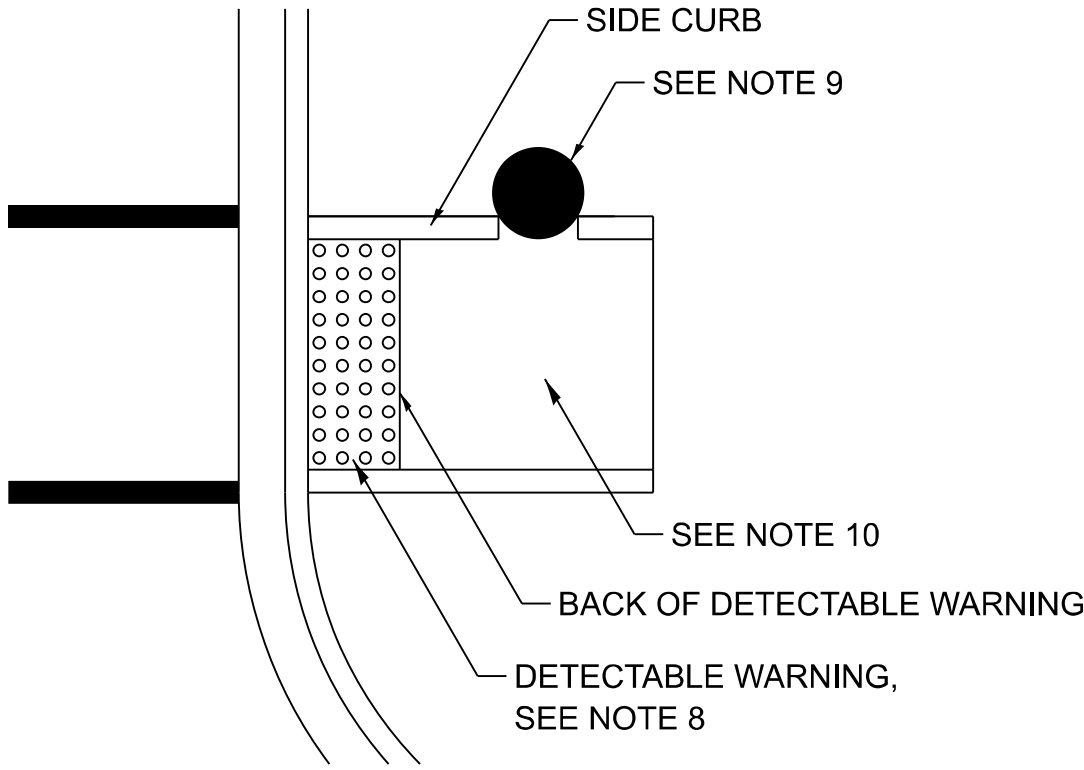
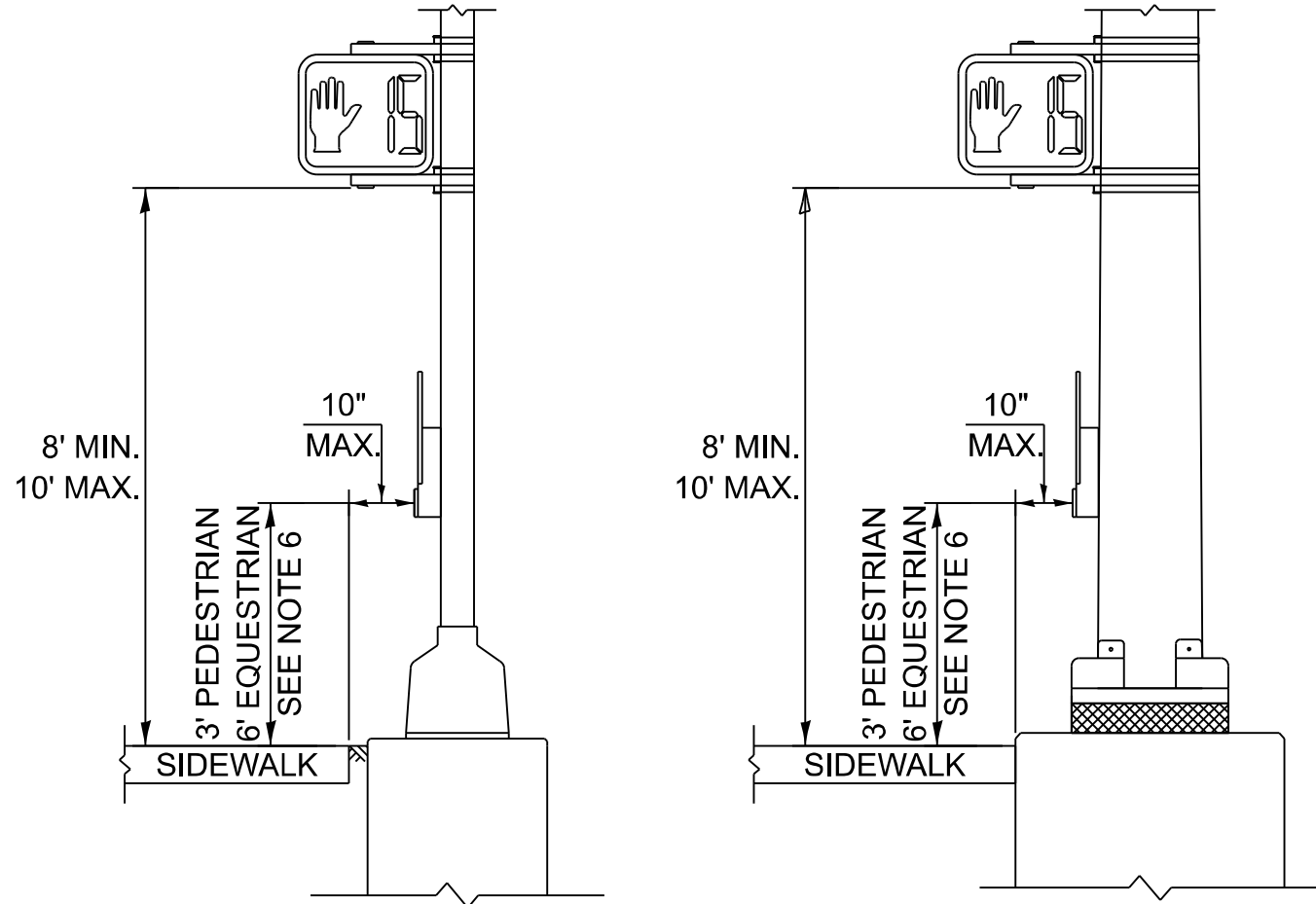
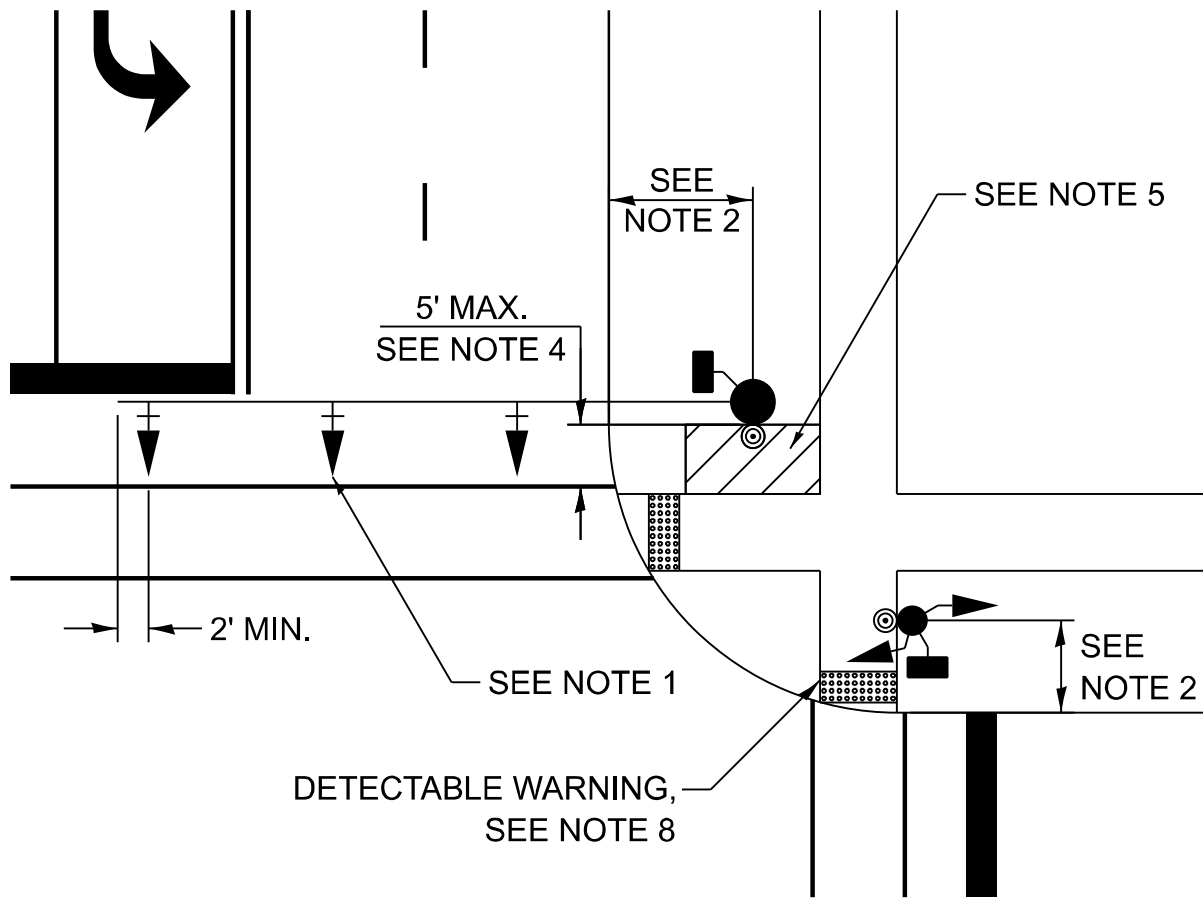
DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 2	OF 7 SHEETS	STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	23
TS-01		CONTRACT NO. 62V42		
ILLINOIS		FED. AID PROJECT		

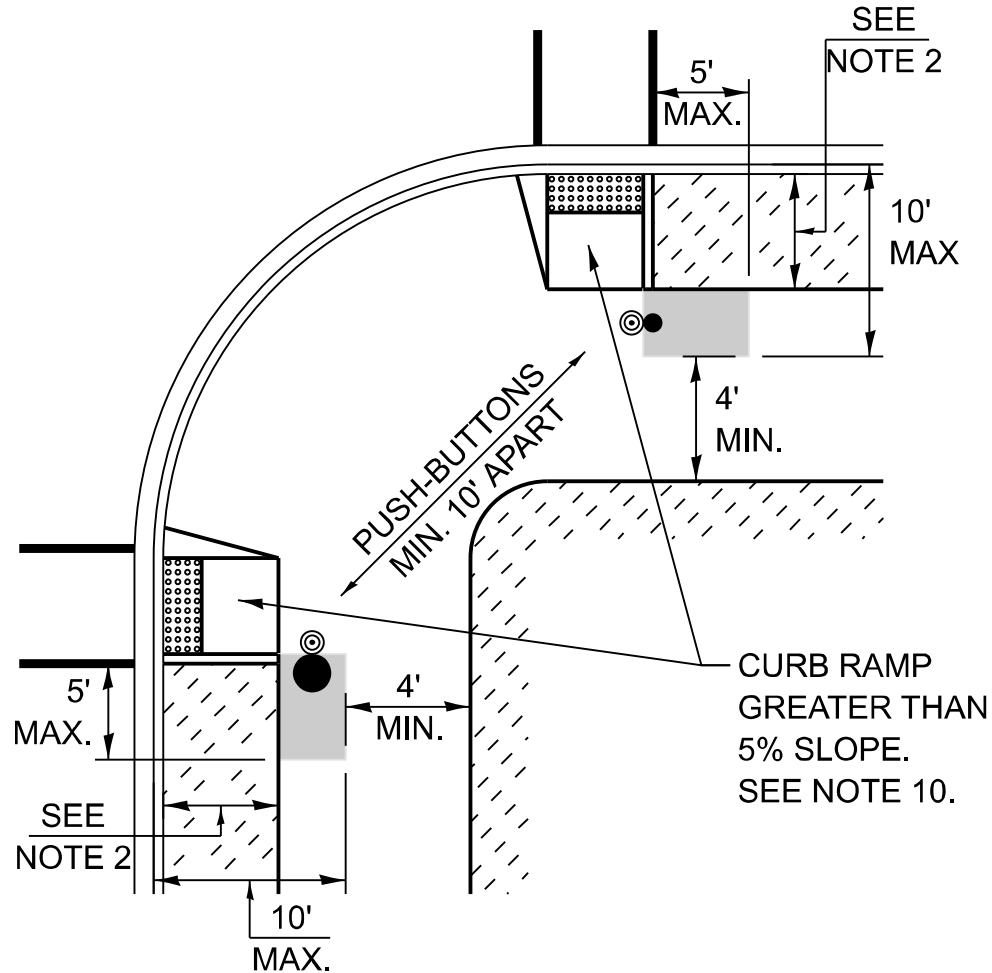
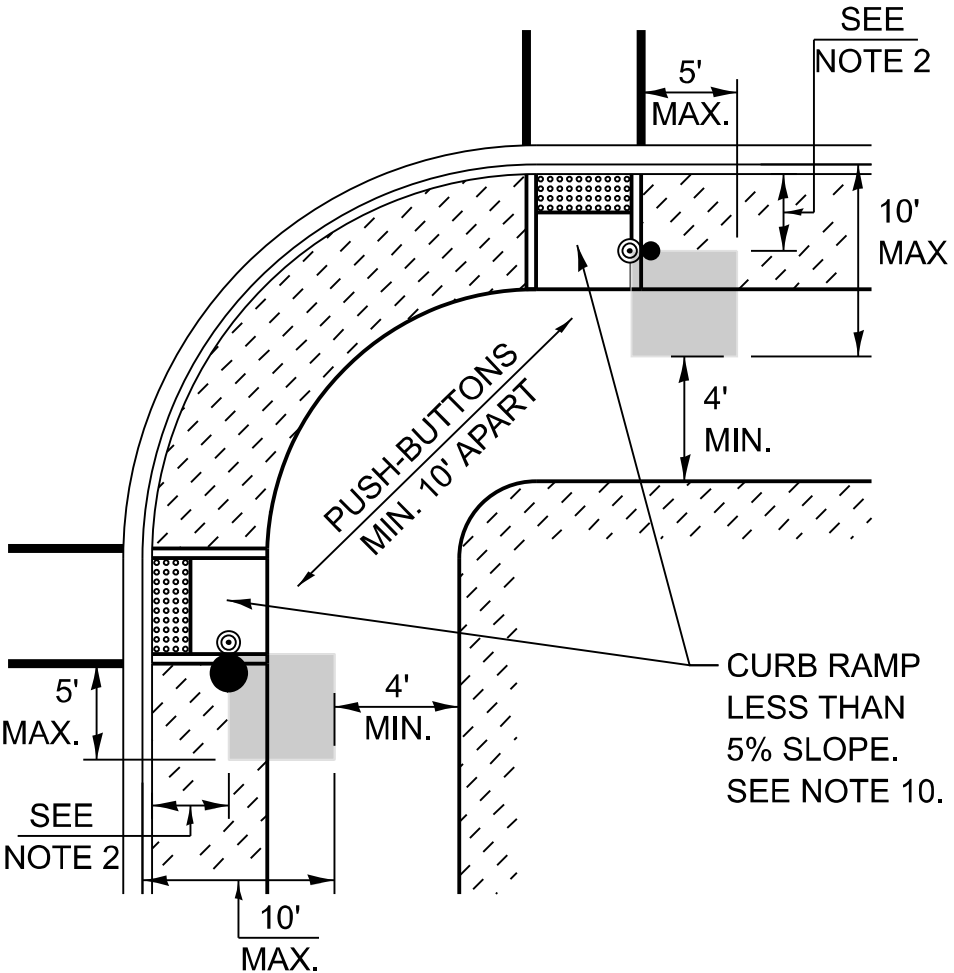
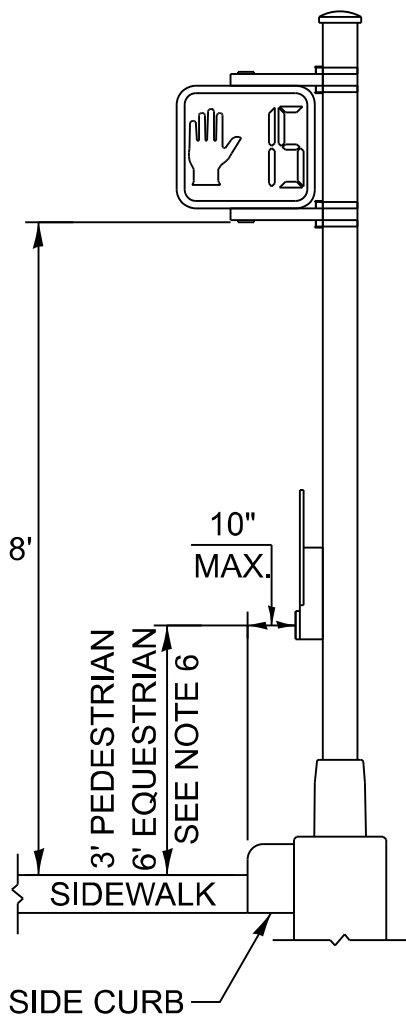
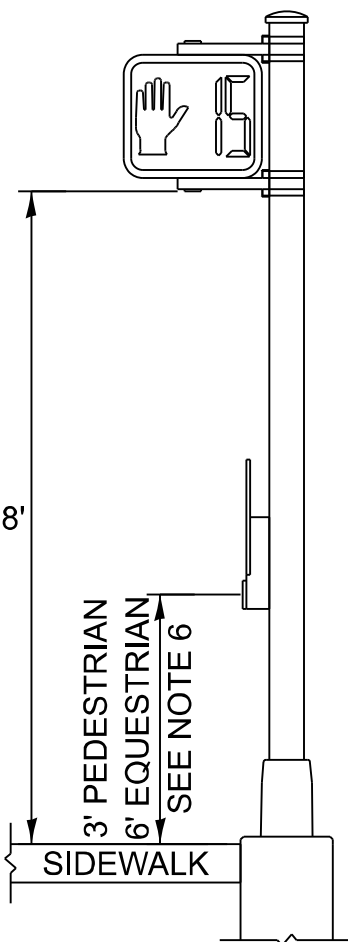
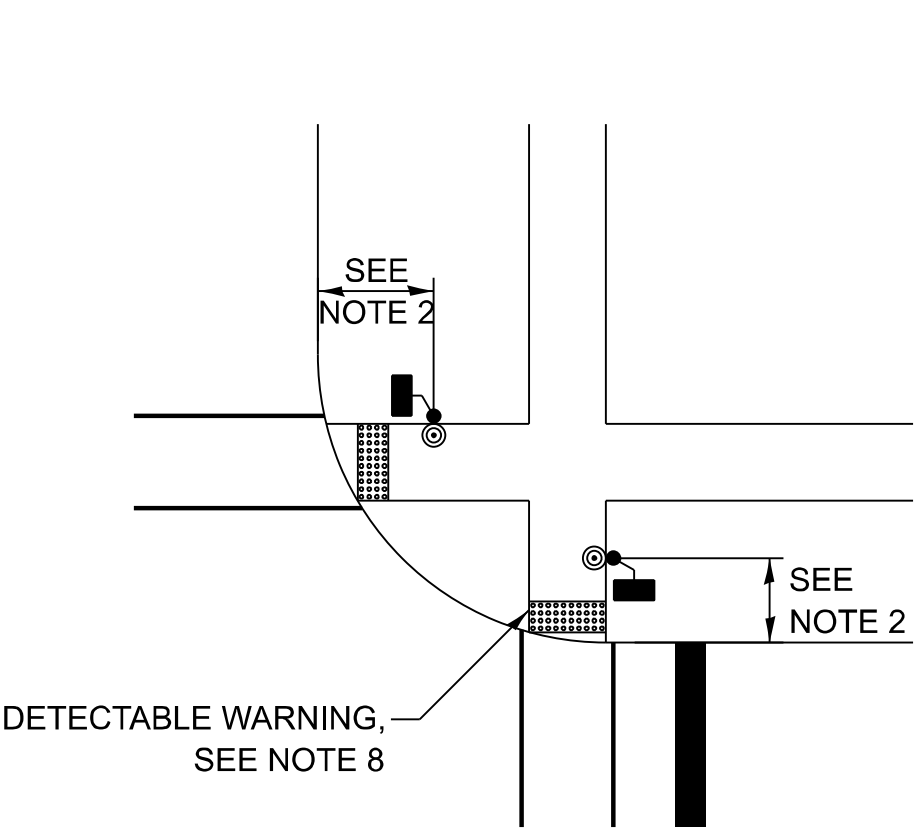
NOTES:

1. THE MAST ARM MOUNTED SIGNAL HEADS SHALL BE CENTERED ON THE LANES OR AS SHOWN ON THE TRAFFIC SIGNAL PLANS.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS TABLE.
3. A 4' MINIMUM UNOBSTRUCTED PEDESTRIAN ACCESS ROUTE SHALL BE MAINTAINED.
4. THE PUSH-BUTTON SHALL BE LOCATED 5' OR LESS FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION FOR THE CROSSWALK THAT THE PUSH-BUTTON CONTROLS.
5. IF THE MAST ARM POLE OR SIGNAL POST WHERE THE PUSH-BUTTON IS TO BE INSTALLED IS NOT IMMEDIATELY ADJACENT TO THE SIDEWALK, PROVIDE A FIRM, STABLE, AND SLIP RESISTANT SURFACE UP TO THE MAST ARM POLE OR SIGNAL POST. THE MINIMUM PAVED AREA IN FRONT OF THE PUSH-BUTTON SHALL BE 2.5' X 4'. IF THIS DOES NOT MEET THE REQUIREMENT STATED IN NOTE 3, A SEPARATE PEDESTRIAN SIGNAL POST SHALL BE INSTALLED TO PLACE THE PUSH-BUTTON ADJACENT TO THE SIDEWALK SURFACE.
6. THE HEIGHT OF THE PEDESTRIAN PUSH-BUTTON SHALL BE 36". IF APPROVED BY THE AREA TRAFFIC SIGNAL ENGINEER, THE PUSH-BUTTON MAY BE LOCATED AT A HEIGHT BETWEEN 30" AND 42". THE HEIGHT OF THE EQUESTRIAN PUSH-BUTTON SHAL BE 72" OR AS DIRECTED BY THE ENGINEER.
7. THE FACE OF THE PUSH-BUTTON SHALL BE PARALLEL TO THE CROSSWALK IT CONTROLS.
8. THE PUSH-BUTTON SHALL BE LOCATED BEHIND THE DETECTABLE WARNING.
9. WHERE A PUSH-BUTTON IS BEING INSTALLED ON A MAST ARM POLE OR SIGNAL POST ADJACENT TO THE PEDESTRIAN ACCESS ROUTE, THE PROPOSED FOUNDATION SHALL BE INSTALLED WITHIN THE SIDE CURB IN ORDER TO MEET THE 10" REACH REQUIREMENT.
10. THE SIDEWALK PANEL IN FRONT OF THE PUSH-BUTTON SHALL HAVE A SLOPE LESS THAN 5%.
11. WHERE TWO PEDESTRIAN PUSH-BUTTONS ARE PROVIDED ON THE SAME CORNER, THEY SHALL BE 10' OR MORE APART. EXCEPTION: IN ALTERATIONS WHERE TECHNICALLY INFEASIBLE TO PROVIDE 10' SEPARATION BETWEEN PUSH-BUTTONS ON THE SAME CORNER.
12. CORRESPONDING PEDESTRIAN EQUIPMENT (SIGNAL HEAD AND PUSH-BUTTON) SHALL BE INSTALLED ON THE SAME POST CLOSEST TO THE CROSSWALK IT CONTROLS.
13. PEDESTRIAN SIGNAL HEADS INSTALLED ON MAST ARM POLES OR SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' OR MORE THAN 10' ABOVE SIDEWALK LEVEL. PEDESTRIAN SIGNAL HEADS INSTALLED ON PEDESTRIAN SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' ABOVE SIDEWALK LEVEL. THE PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
14. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST



PEDESTRIAN SIGNAL POST



PREFERRED PUSH-BUTTON LOCATION

TRAFFIC SIGNAL EQUIPMENT	BARRIER CURB (MINIMUM DISTANCE FROM THE BACK OF CURB TO THE CENTER OF THE FOUNDATION)	SHOULDER / NON-BARRIER CURB (MINIMUM DISTANCE FROM THE EDGE LINE OF THE RIGHT-MOST LANE TO THE CENTER OF THE FOUNDATION)
MAST ARM ASSEMBLY AND POLE	6'	SHOULDER WIDTH + 2', MINIMUM 10'
SIGNAL POST	4'	SHOULDER WIDTH + 2', MINIMUM 10'
PEDESTRIAN SIGNAL POST	4'	4' - SEE NOTE 2
TEMPORARY WOOD POLE	6'	SHOULDER WIDTH + 2', MINIMUM 10'
TRAFFIC SIGNAL CABINET	6' - SEE NOTE 3	SHOULDER WIDTH + 6', MINIMUM 16' - SEE NOTE 3
SERVICE CABINET	6' - SEE NOTE 3	SHOULDER WIDTH + 6', MINIMUM 16' - SEE NOTE 3

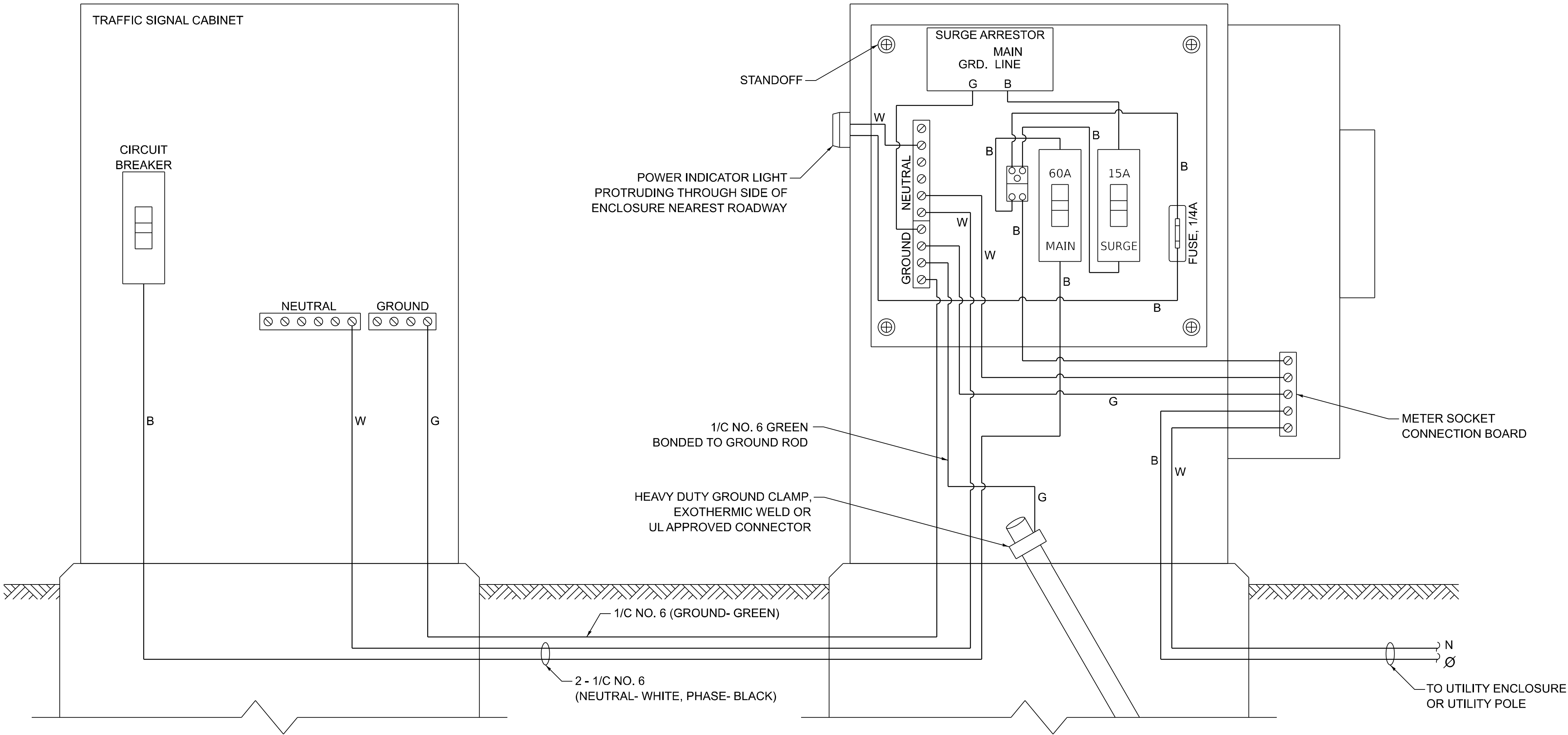
TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS

NOTES:

1. CONTACT THE AREA TRAFFIC SIGNAL ENGINEER FOR ASSISTANCE LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS AND THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF THE DETECTABLE WARNING.
3. MINIMUM DISTANCE TO THE 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" TABLE AND THE TRAFFIC SIGNAL PLAN COULD AFFECT THE PLACEMENT OF THE TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND THE PEDESTRIAN PUSH-BUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THESE REQUIREMENTS. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

MODEL: TS-05c [Sheet]
FILE NAME: c:\p\p_work\pwork\illinois.gov\justin.king@illinois.gov\d1095500D102024-shf-DistSds.dgn

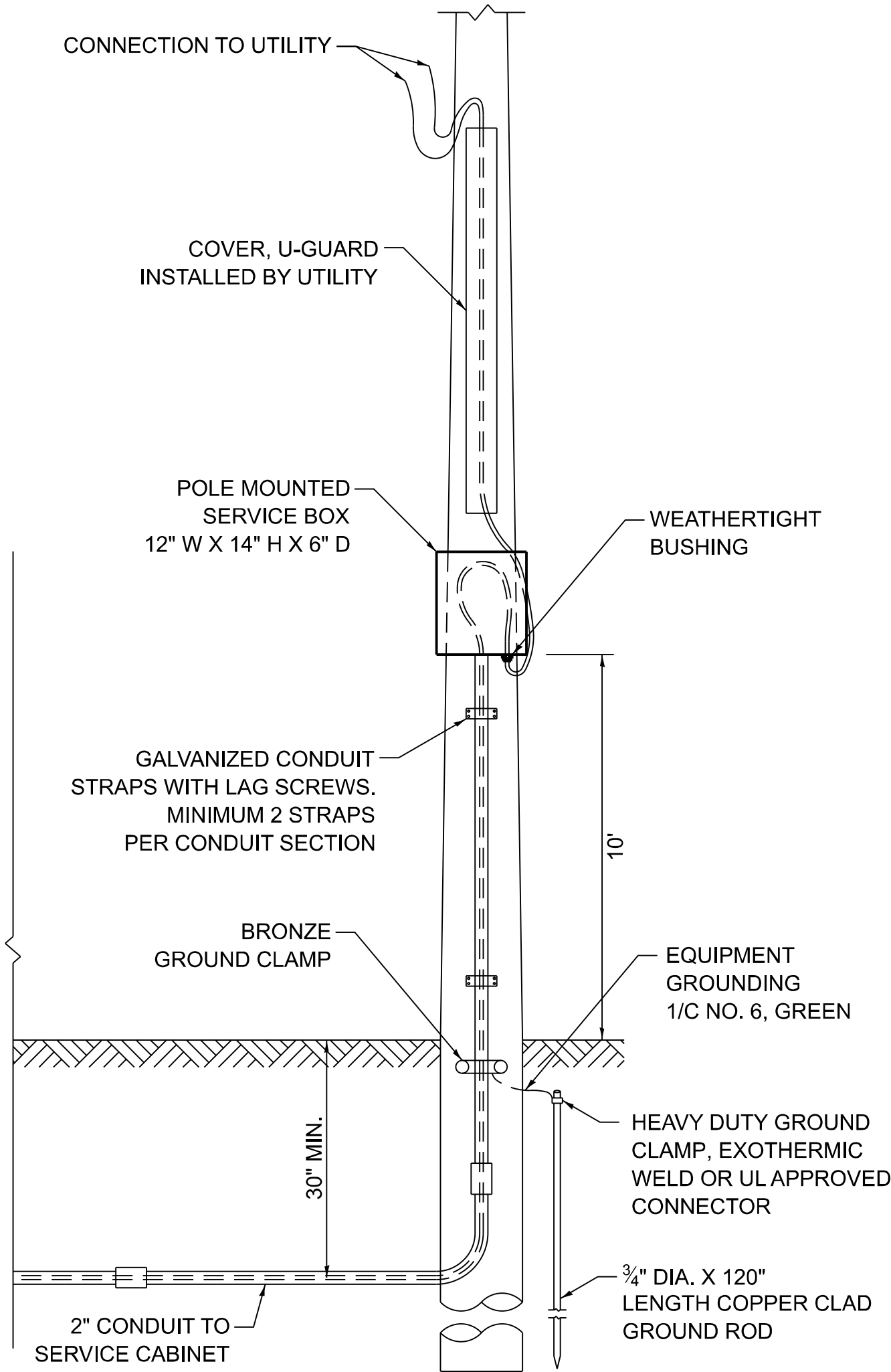
PLOT DATE = 10/17/2025	USER NAME = justin.king	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	SCALE: NONE	SHEET 3 OF 7 SHEETS	STA. TO STA.	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - IP	REVISED -						348	FAP 0348/1332 23 RES	COOK	43	24
		CHECKED - NB/KK	REVISED -						TS-01		CONTRACT NO. 62V42		
		DATE - 10/15/2025	REVISED -						ILLINOIS		FED. AID PROJECT		



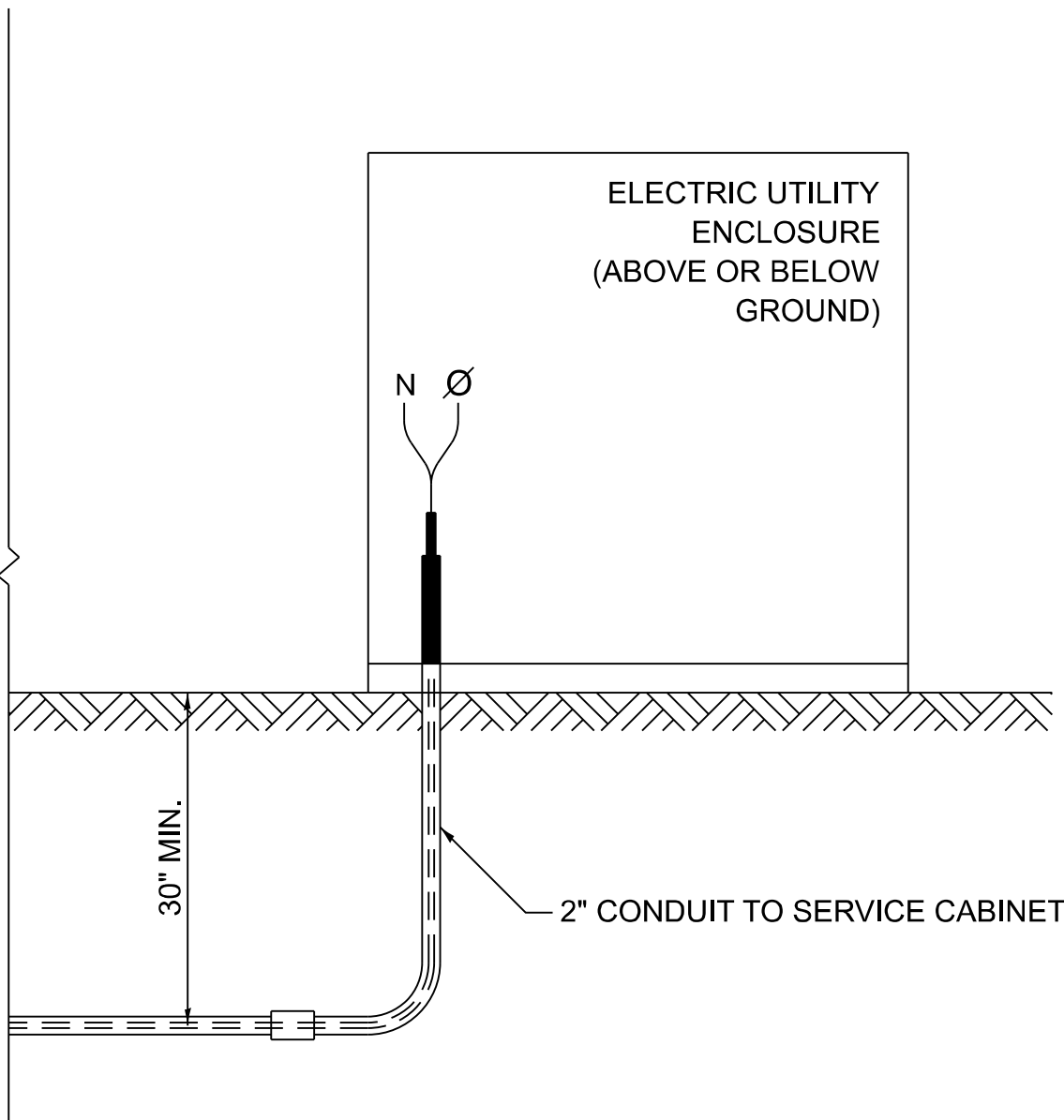
ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET

NOTES:

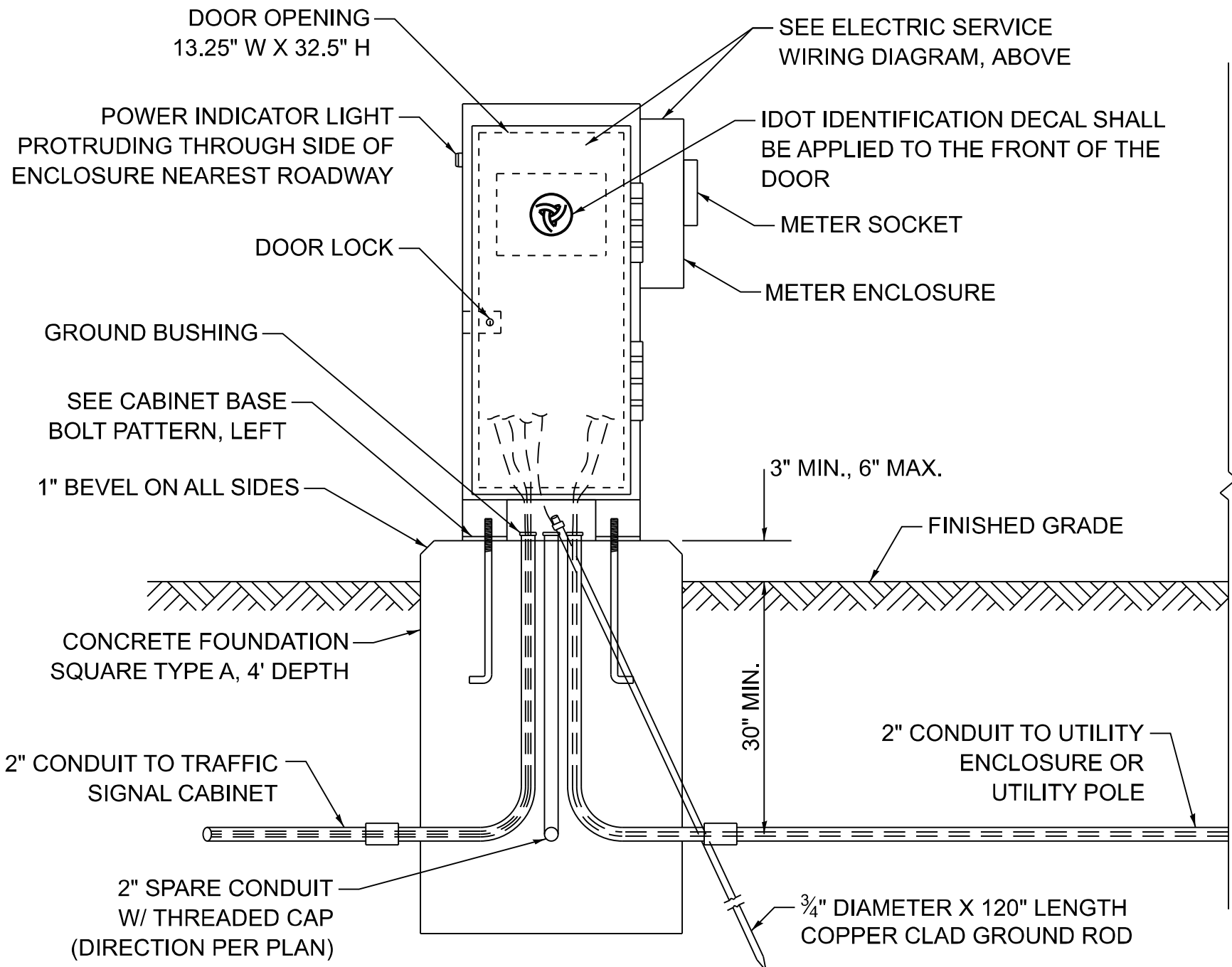
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
4. THE METER SOCKET IS TO BE PROVIDED BY THE CONTRACTOR, THE METER IS TO BE PROVIDED BY THE UTILITY COMPANY.



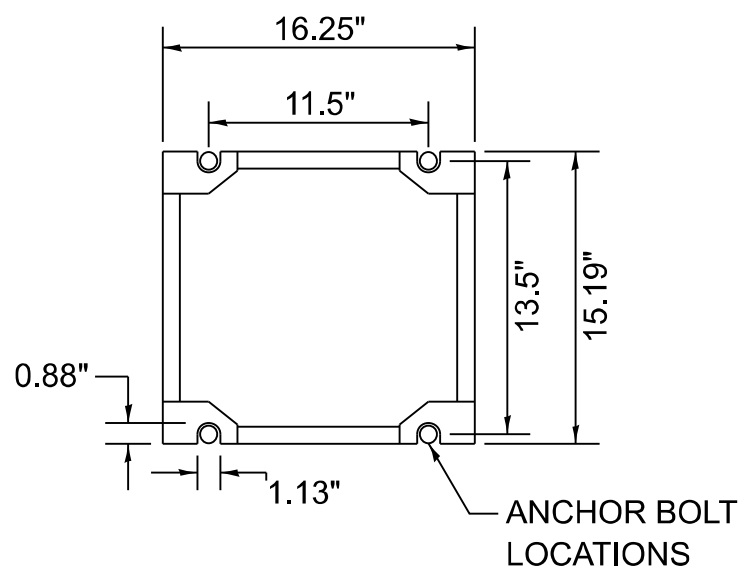
CONNECTION TO UTILITY POLE



CONNECTION TO UTILITY ENCLOSURE



SERVICE INSTALLATION - GROUND MOUNTED WITH METER



CABINET BASE BOLT PATTERN

MODEL: TS-05d [Sheet]
FILE NAME: c:\p\work\p\work\illinois.gov\1095500D\102024-shd-DistSds.dgn

USER NAME	* justin.king	DESIGNED	- IP	REVISED	-
		DRAWN	- IP	REVISED	-
		CHECKED	- NB/KK	REVISED	-
PLOT DATE	= 8/19/2026	DATE	- 10/15/2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

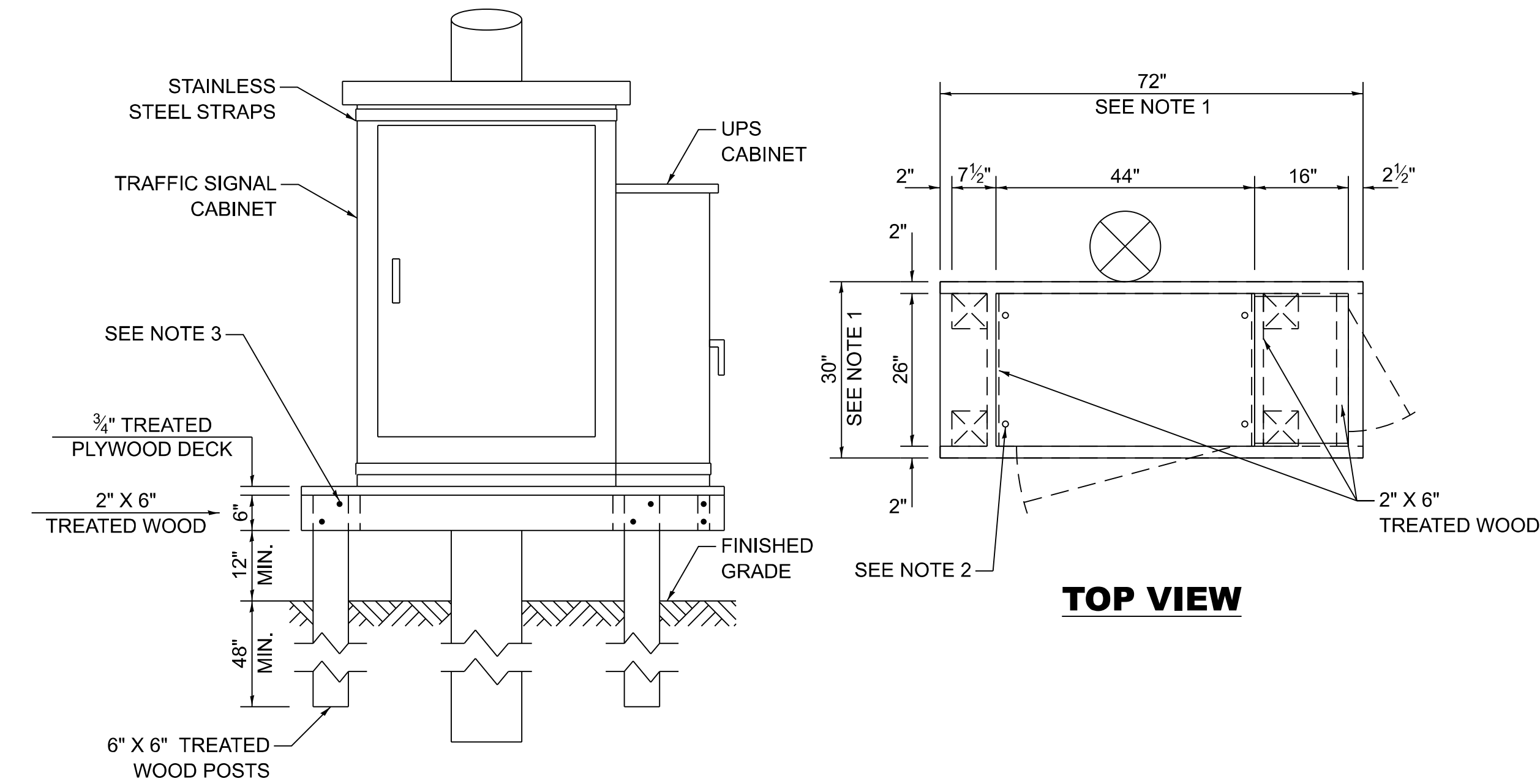
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	25
TS-01		CONTRACT NO. 62V42		
ILLINOIS		FED. AID PROJECT		

FAU 1332

MODEL: TS-05a (Sheet)
FILE NAME: c:\p\p_work\pwork\illinois.gov\justin.king@illinois.gov\1095500D\102024-shf-DistStd.sgn



NOTES:

1. THE PLATFORM SIZE IS BASED ON A TRAFFIC SIGNAL CABINET TYPE IV WITH BASE DIMENSIONS OF 26" X 44" AND UNINTERRUPTABLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" X 25". ADJUST THE PLATFORM SIZE TO FIT THE BASE DIMENSIONS OF THE CABINET SUPPLIED.
2. DRILLED HOLES THROUGH THE PLATFORM ARE TO MATCH THE TRAFFIC SIGNAL CABINET BOLT TEMPLATE. THE CABINET SHALL BE FASTENED TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS, AND NUTS.
3. ALL WOOD SUPPORT FRAMING SHALL BE FASTENED TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

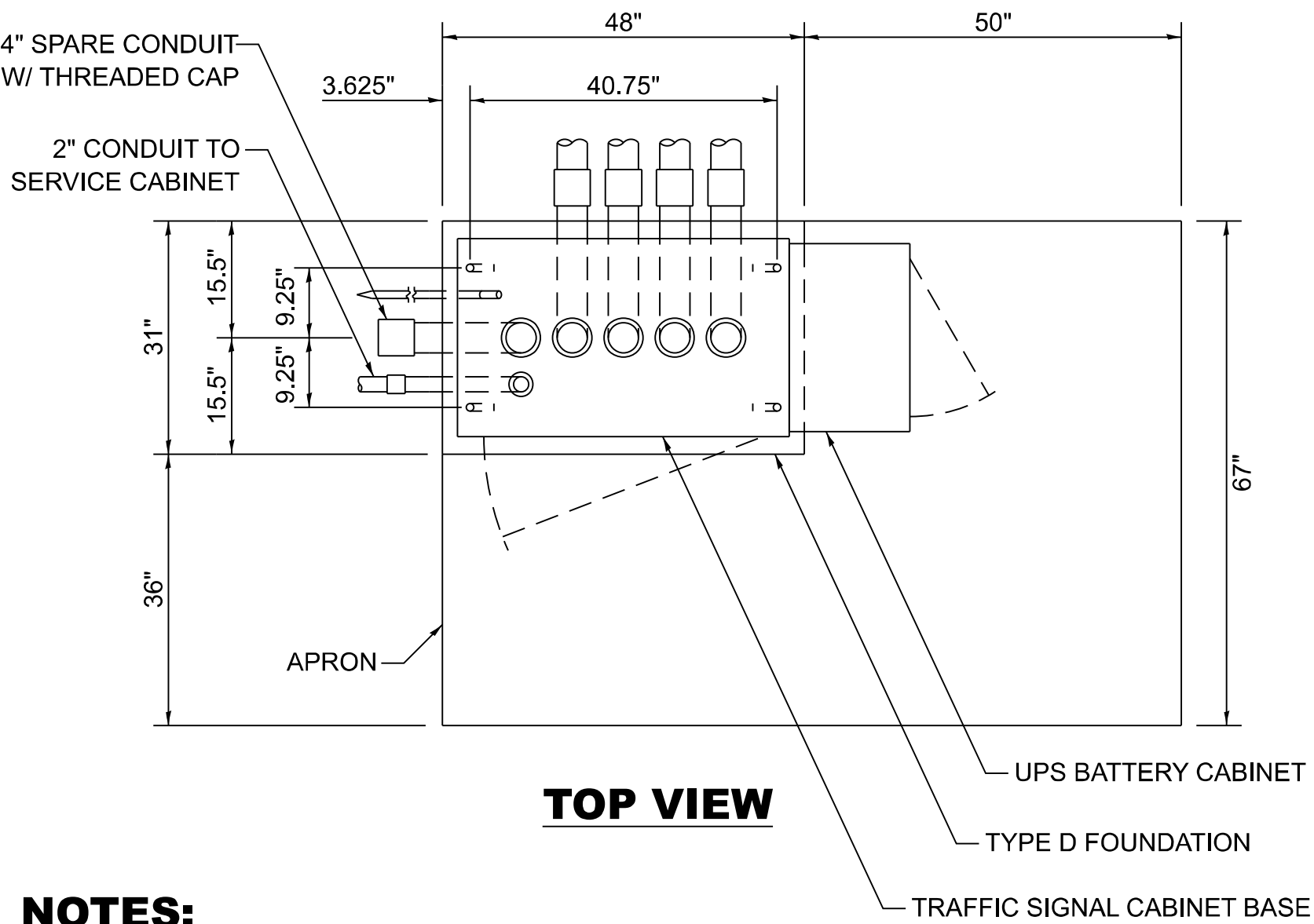
TEMPORARY TRAFFIC SIGNAL
CABINET WOOD SUPPORT PLATFORM

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
LESS THAN 30'	10'	30"	24"	8	#6
GREATER THAN OR EQUAL TO 30' AND LESS THAN 40'	13.5'	30"	24"	8	#6
	11'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 40' AND LESS THAN 50'	13'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 50' AND UP TO 55'	15'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 56' AND LESS THAN 65'	21'	42"	36"	16	#8
GREATER THAN OR EQUAL TO 65' AND UP TO 75'	25'	42"	36"	16	#8

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

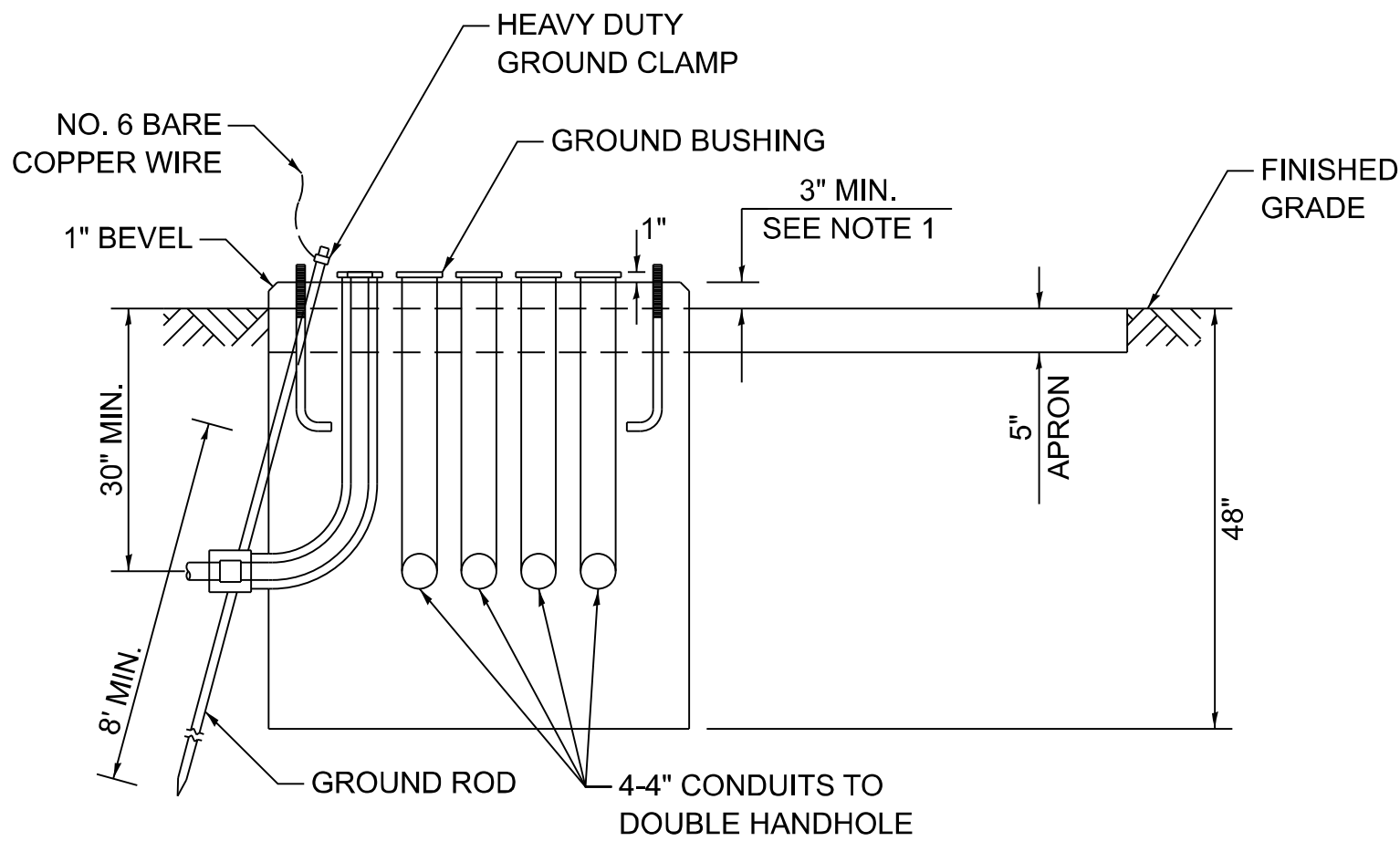
TYPE E FOUNDATION NOTES:

1. FOR STANDARD AND COMBINATION MAST ARM ASSEMBLIES. FOUNDATION DEPTHS FOR STANDARD DUAL MAST ARMS WITH THE LONGEST ARM LENGTH UP TO AND INCLUDING 55' SHALL BE INCREASE BY 1' OF THAT SHOWN IN THE TABLE, BASED ON THE LONGER OF THE TWO ARMS.
2. SEE STATE STANDARD 878001 CONCRETE FOUNDATION DETAILS FOR MORE INFORMATION.

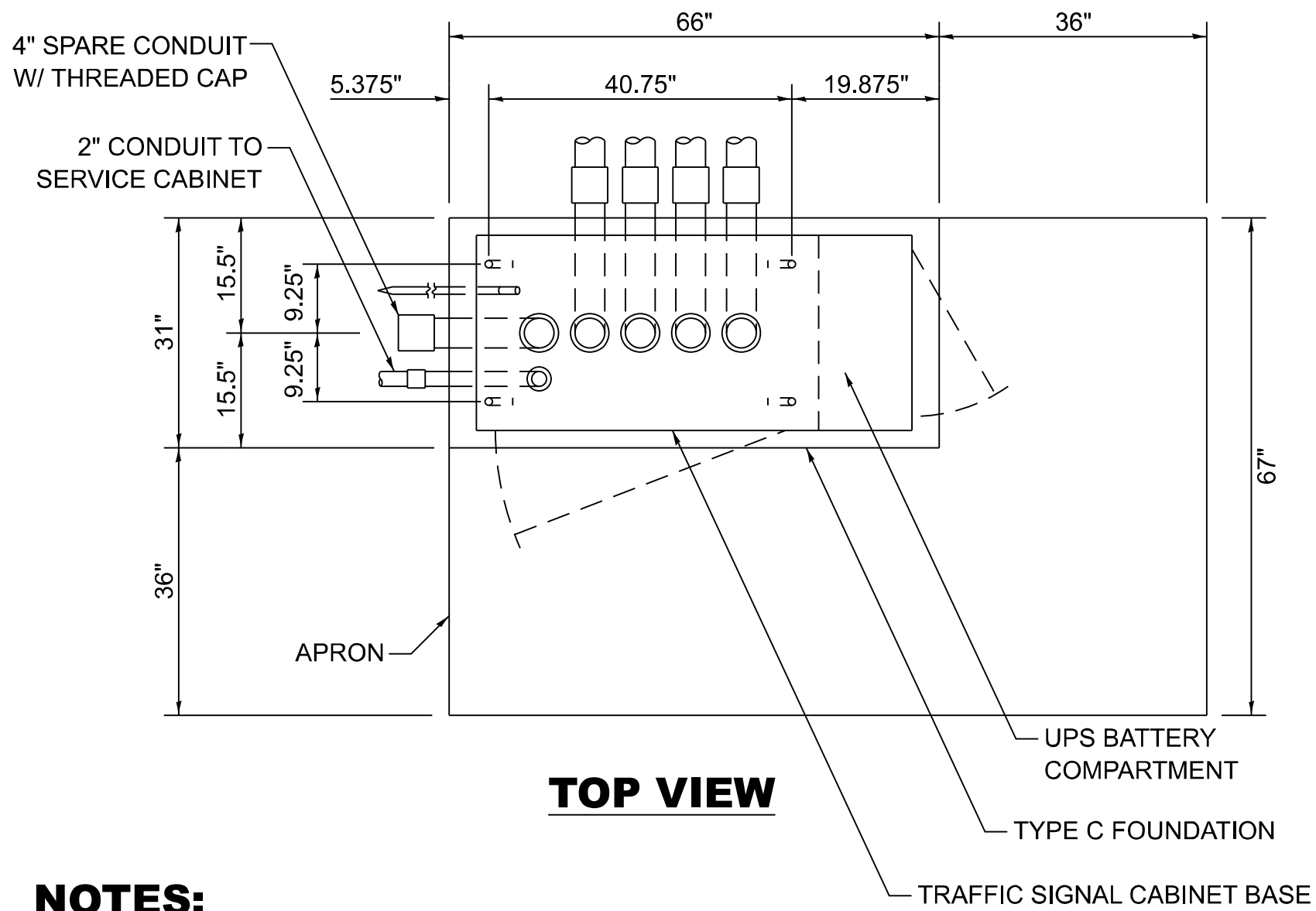


NOTES:

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.

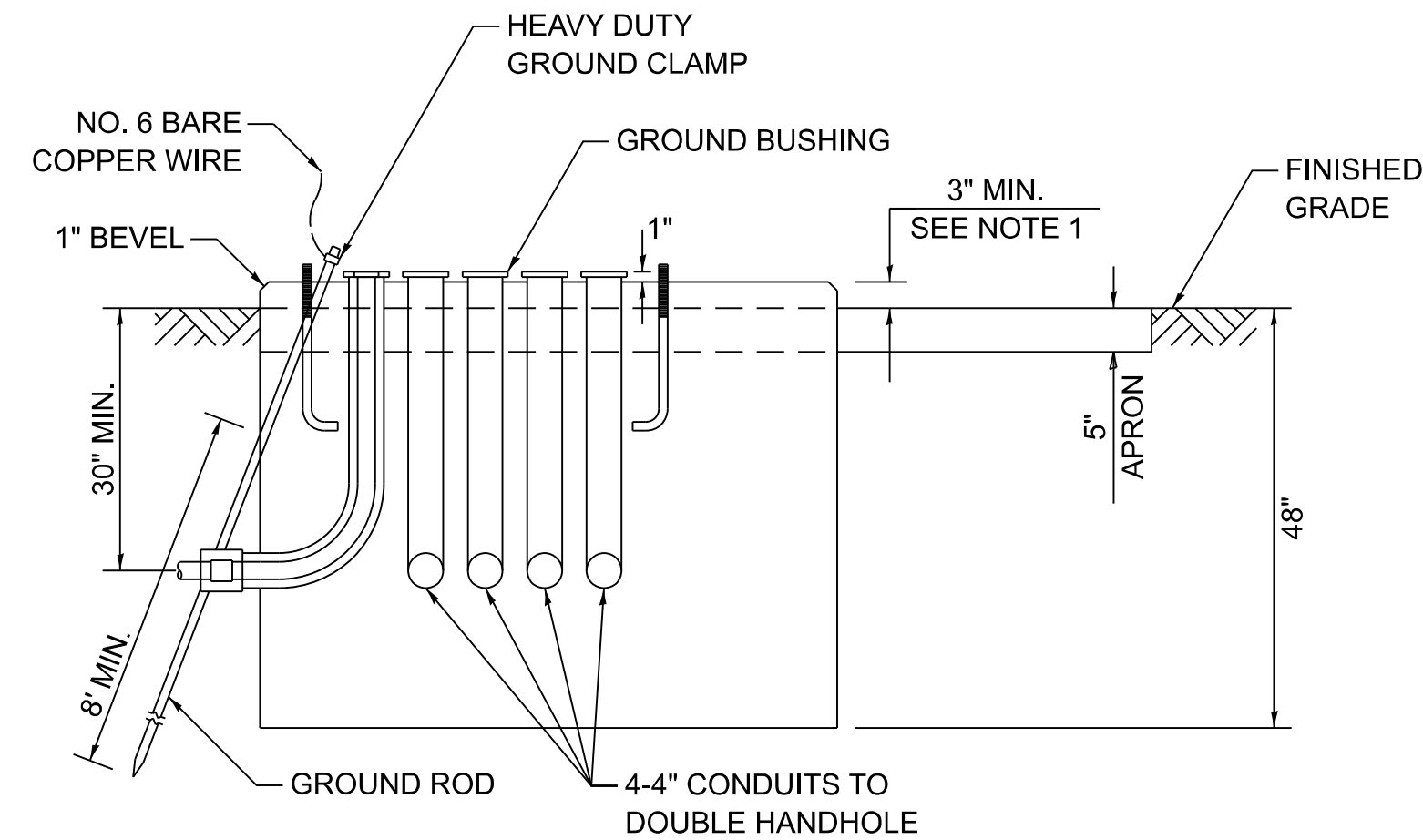


TYPE D FOUNDATION
TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET
AND UPS BATTERY CABINET



NOTES:

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.



TYPE C FOUNDATION
SUPER P AND SUPER R
TRAFFIC SIGNAL CABINETS

FOUNDATION	DEPTH
TYPE A - SIGNAL POST, SERVICE CABINET	4'
TYPE C - TRAFFIC SIGNAL CABINET WITH UPS	4'
TYPE D - TRAFFIC SIGNAL CABINET	4'

DEPTH OF FOUNDATIONS
TYPES A, C & D

VERTICAL CABLE	LENGTH
MAST ARM MOUNTED SIGNAL HEAD (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20'+L
BRACKET MOUNTED SIGNAL HEAD (MAST ARM POLE OR SIGNAL POLE)	13'
PEDESTRIAN SIGNAL HEAD	10'
PEDESTRIAN PUSH BUTTON	6'
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5'
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5'
SERVICE INSTALLATION GROUND MOUNT	6'
FOUNDATION (SIGNAL POST, MAST ARM, TRAFFIC SIGNAL CABINET, SERVICE CABINET)	3'

VERTICAL CABLE LENGTH

CABLE SLACK	LENGTH
HANDHOLE	6.5'
DOUBLE HANDHOLE	13'
SIGNAL POST	2'
MAST ARM	2'
TRAFFIC SIGNAL CABINET OR SERVICE CABINET	1.5'
FIBER OPTIC CABLE AT TRAFFIC SIGNAL CABINET	13'
GROUND CABLE AT SIGNAL POST, MAST ARM, OR CABINET	1.5'
GROUND CABLE AT HANDHOLE OR DOUBLE HANDHOLE	6.5'
GROUND CABLE BETWEEN HANDHOLE FRAME AND COVER	5'

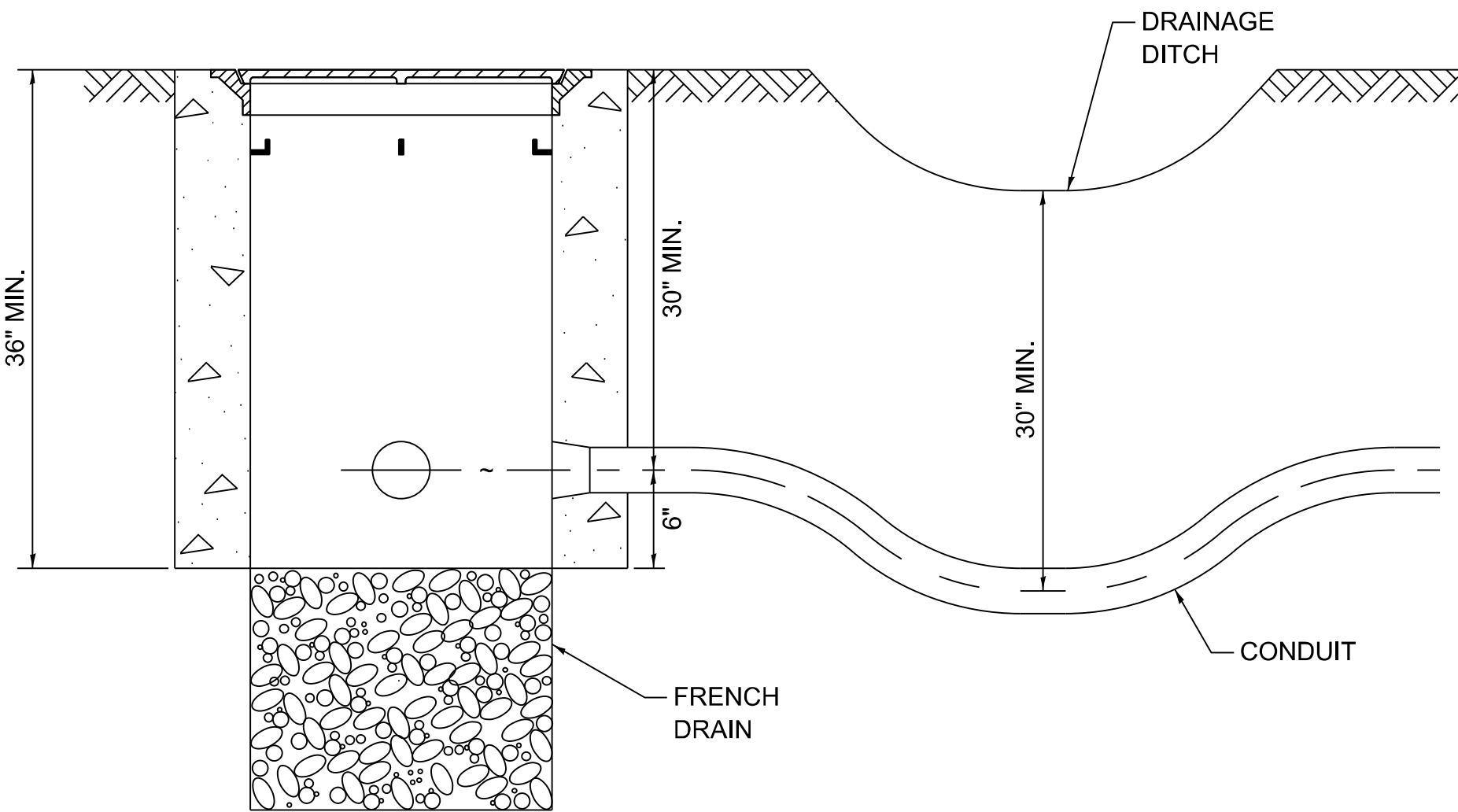
CABLE SLACK LENGTH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

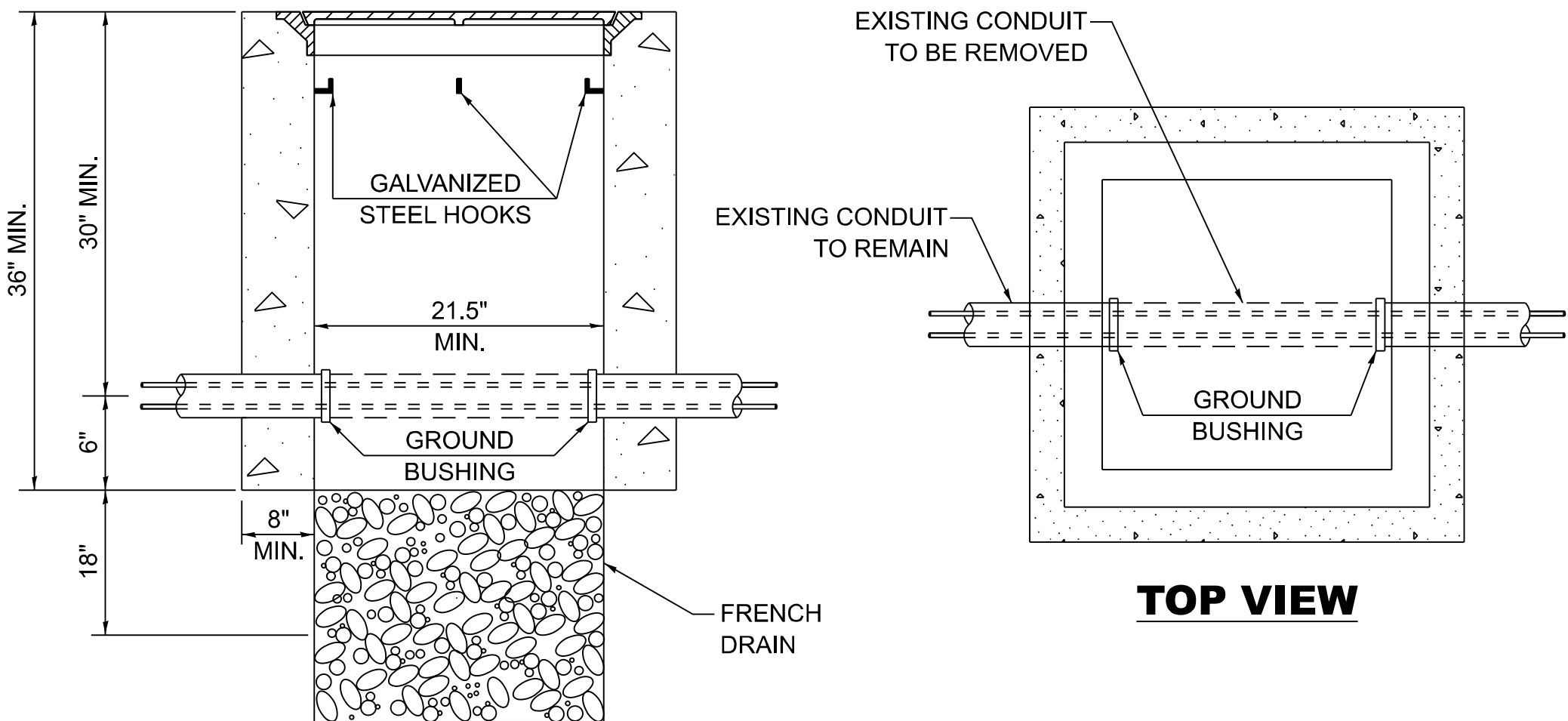
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	26
TS-01		CONTRACT NO. 62V42		
		ILLINOIS	FED. AID PROJECT	



NOTES:

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

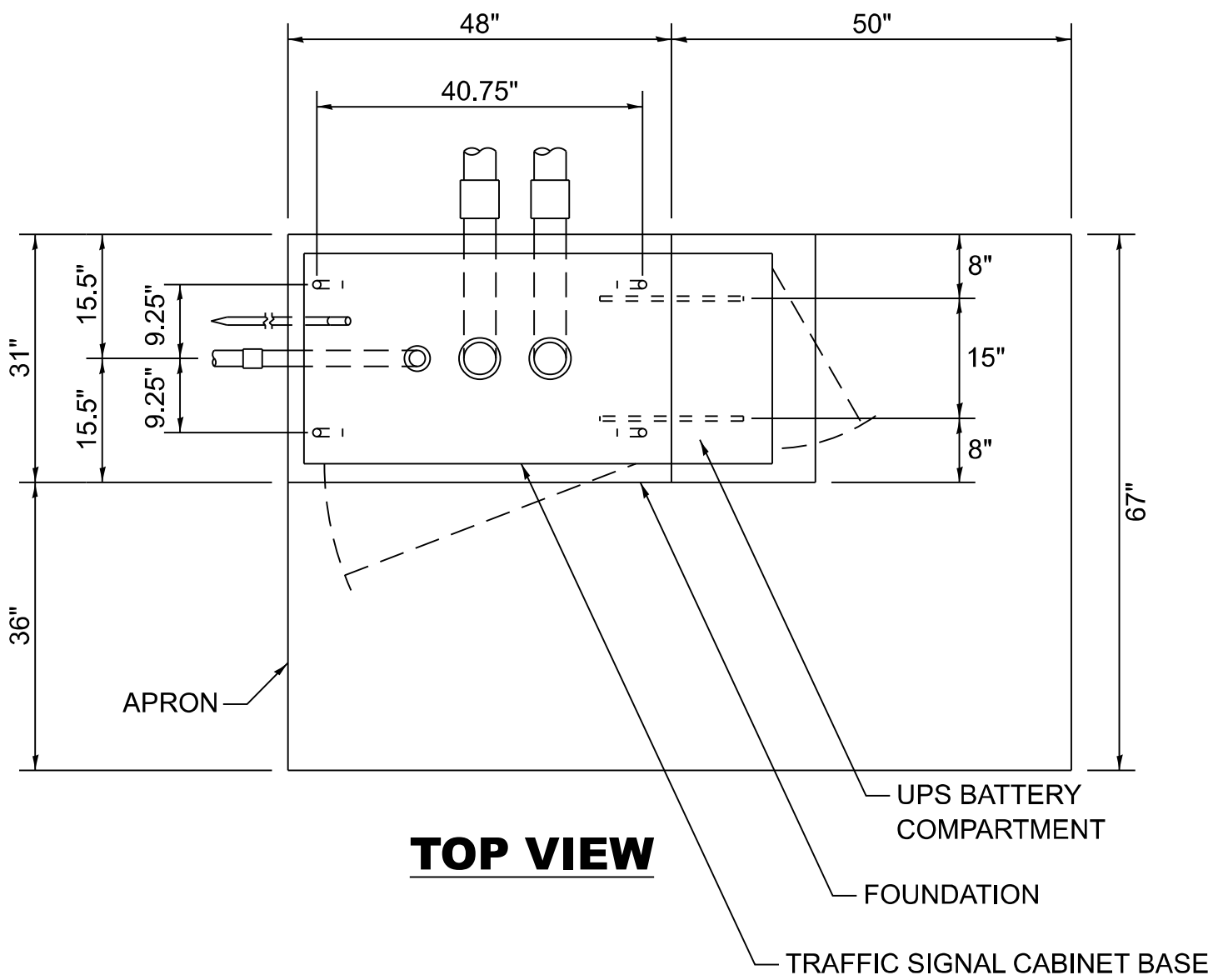
HANDHOLE WITH MINIMUM CONDUIT DEPTH



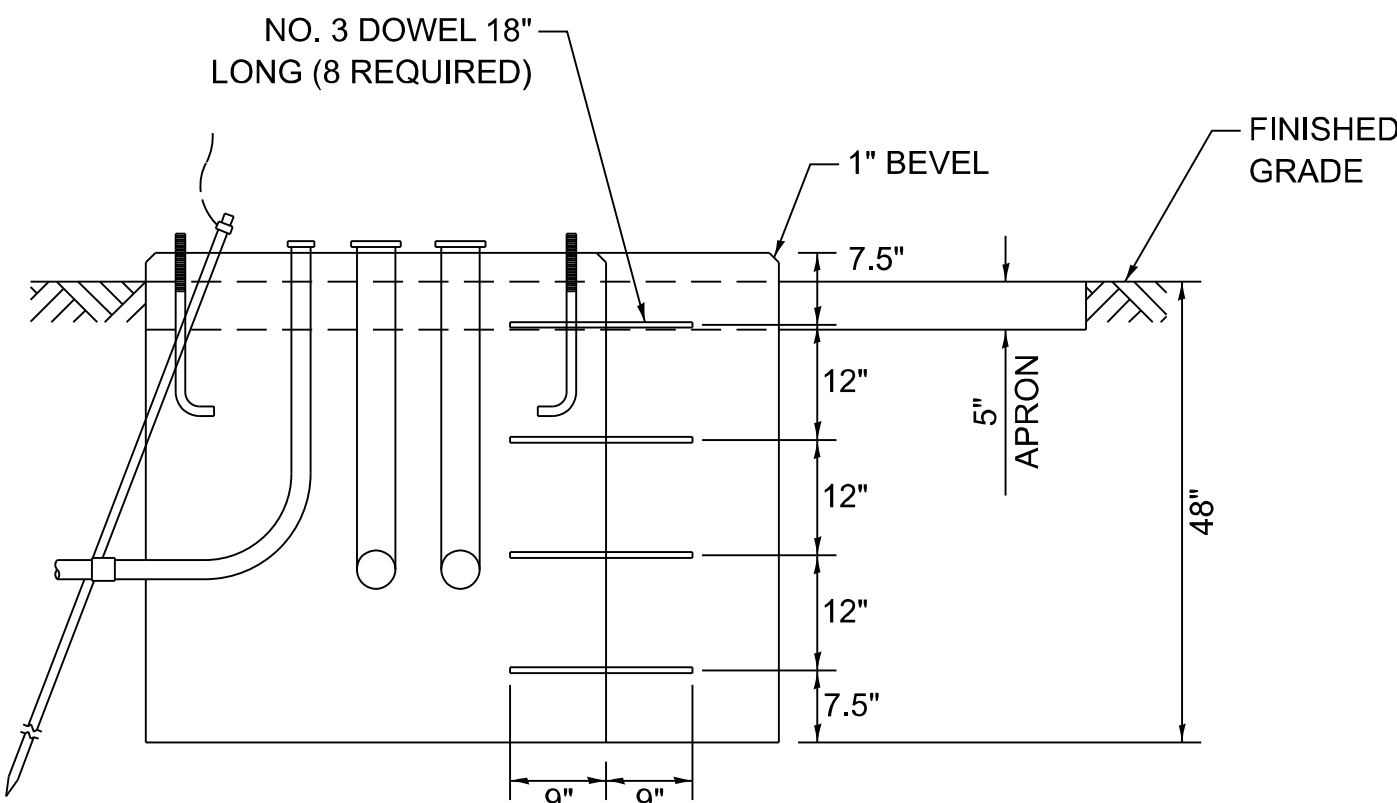
NOTES:

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

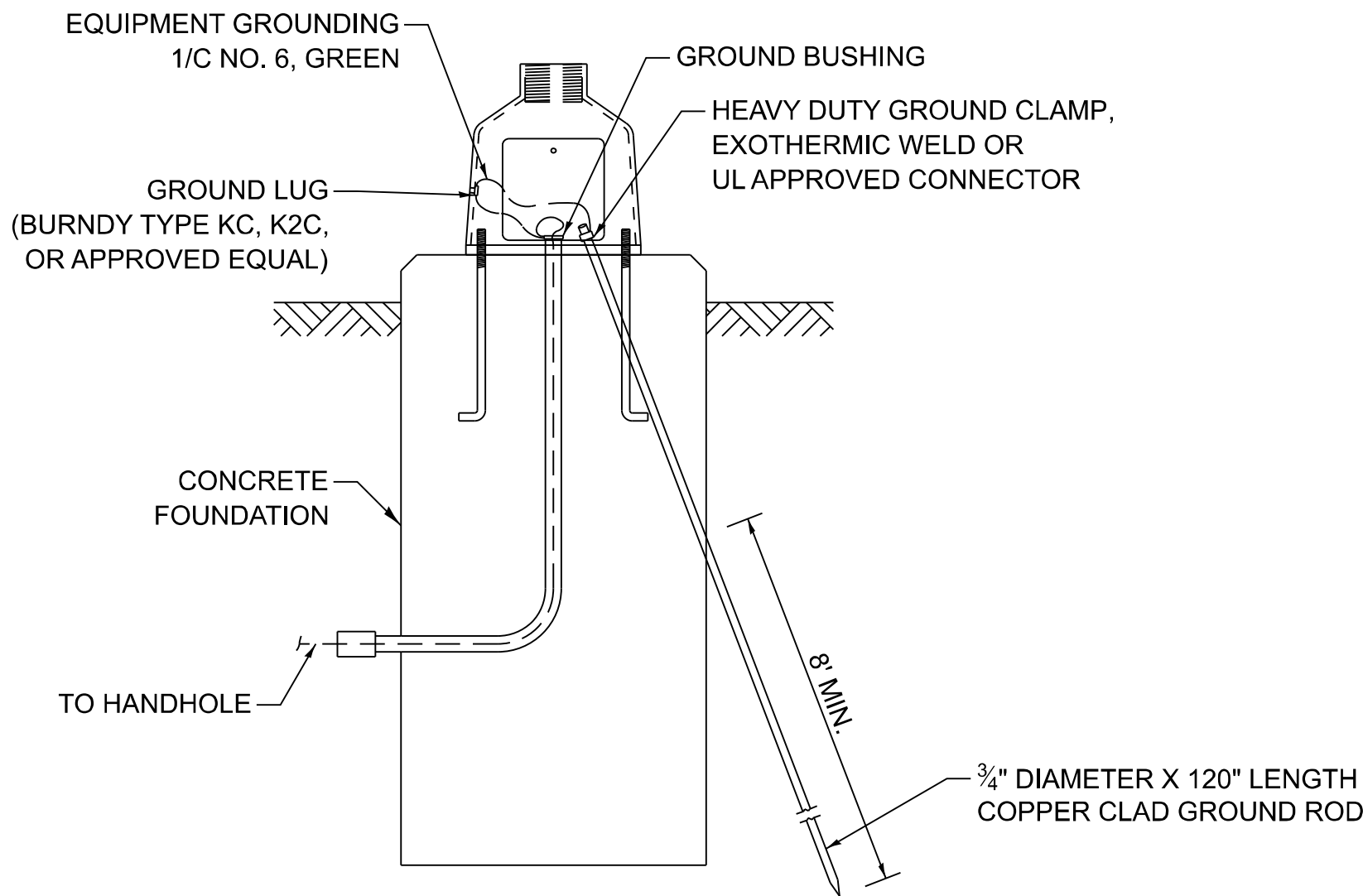
HANDHOLE TO INTERCEPT EXISTING CONDUIT



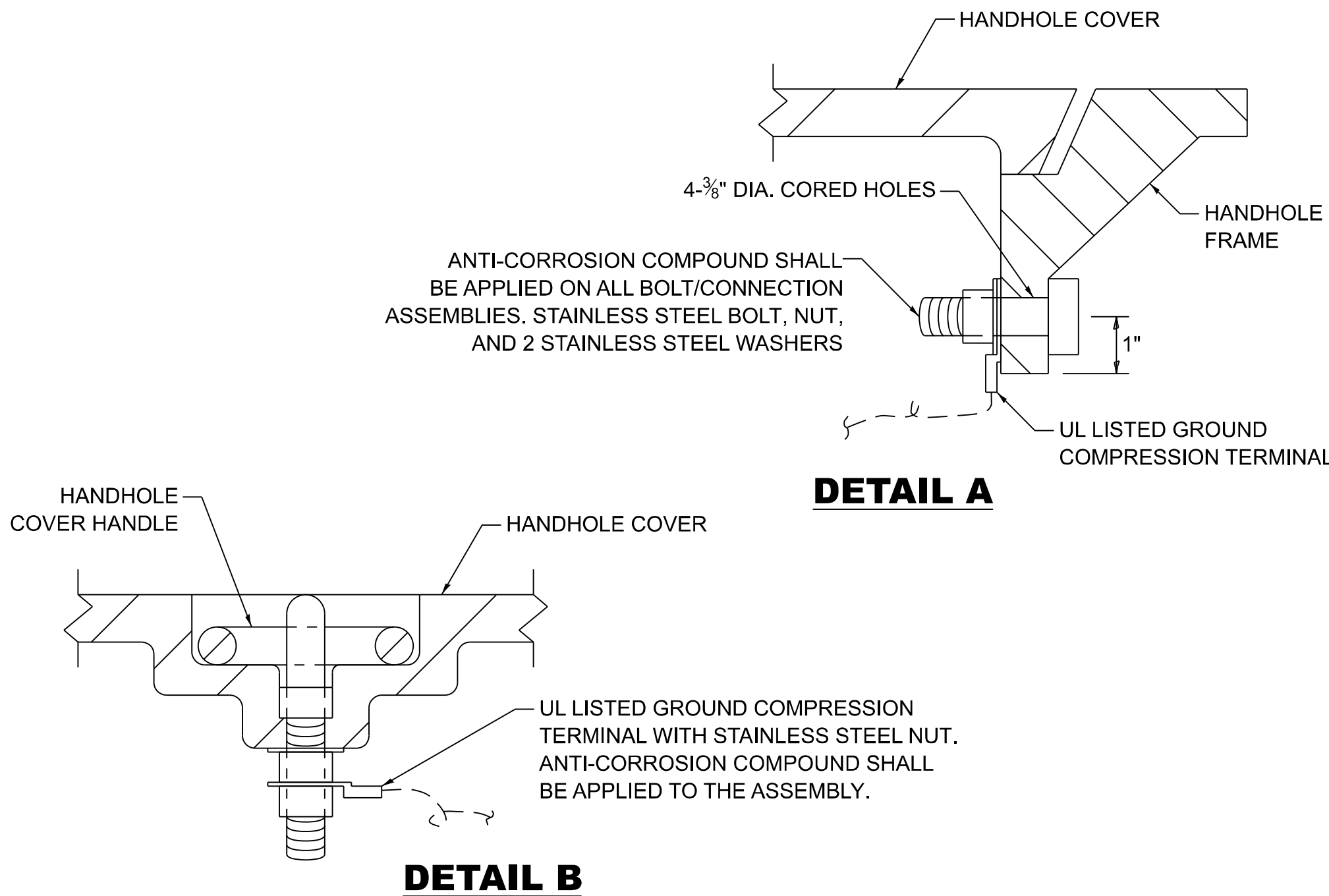
TOP VIEW



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

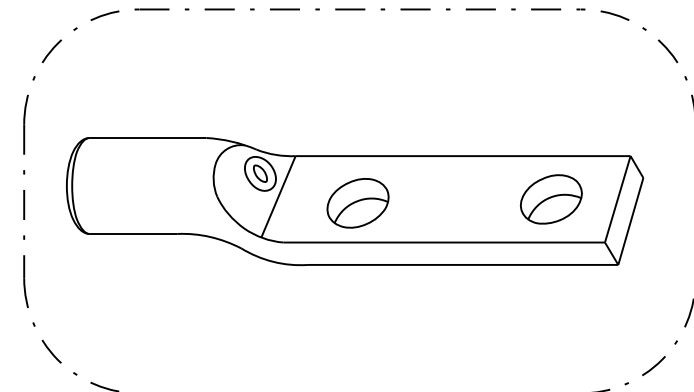


MAST ARM / POST GROUNDING DETAIL

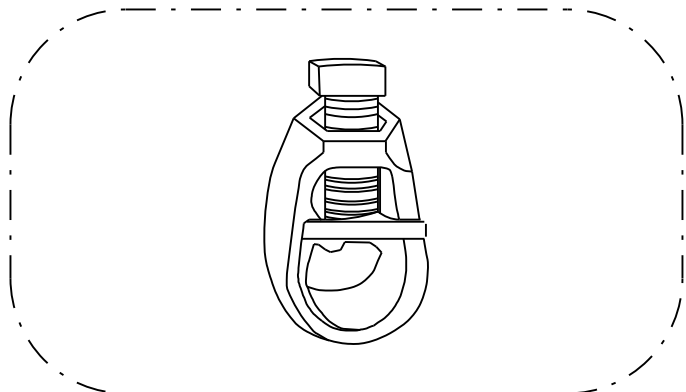


DETAIL A

DETAIL B



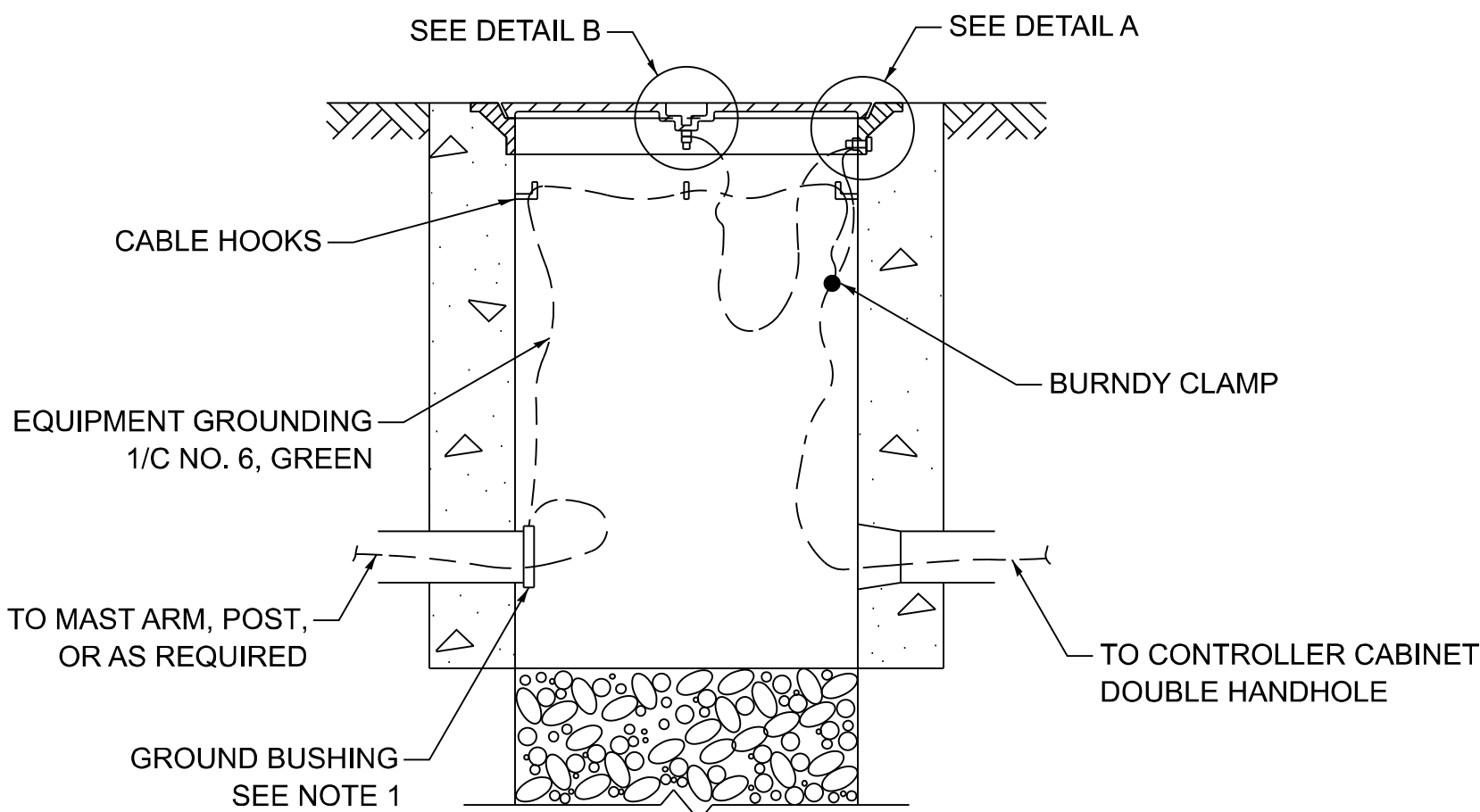
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4" HEAVY-DUTY GROUND ROD CLAMP BRONZE OR COPPER, UL APPROVED (BURNDY TYPE GRC OR APPROVED EQUAL)

NOTES:

- 1. CONDUIT THAT HAS BEEN DRILLED INTO AN EXISTING HANDHOLE WILL REQUIRE A GROUND BUSHING FOR THE CONDUIT TO BE PROPERLY GROUNDED.
- 2. GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' OF SLACK SHALL BE PROVIDED IN SINGLE AND DOUBLE HANDHOLES. 5' OF SLACK SHALL BE PROVIDED BETWEEN THE FRAME AND COVER.



HANDHOLE GROUNDING DETAIL

MODEL: TS-05f [Sheet]
FILE NAME: c:\p\work\illinois.gov\1095500D102024-shf-DistStd.dgn

USER NAME	= justin.king	DESIGNED	- IP	REVISED	-
DRAWN	- IP	DRAWN	- IP	REVISED	-
CHECKED	- NB/KK	CHECKED	- NB/KK	REVISED	-
PLOT DATE	= 8/19/2026	DATE	- 10/15/2025	REVISED	-

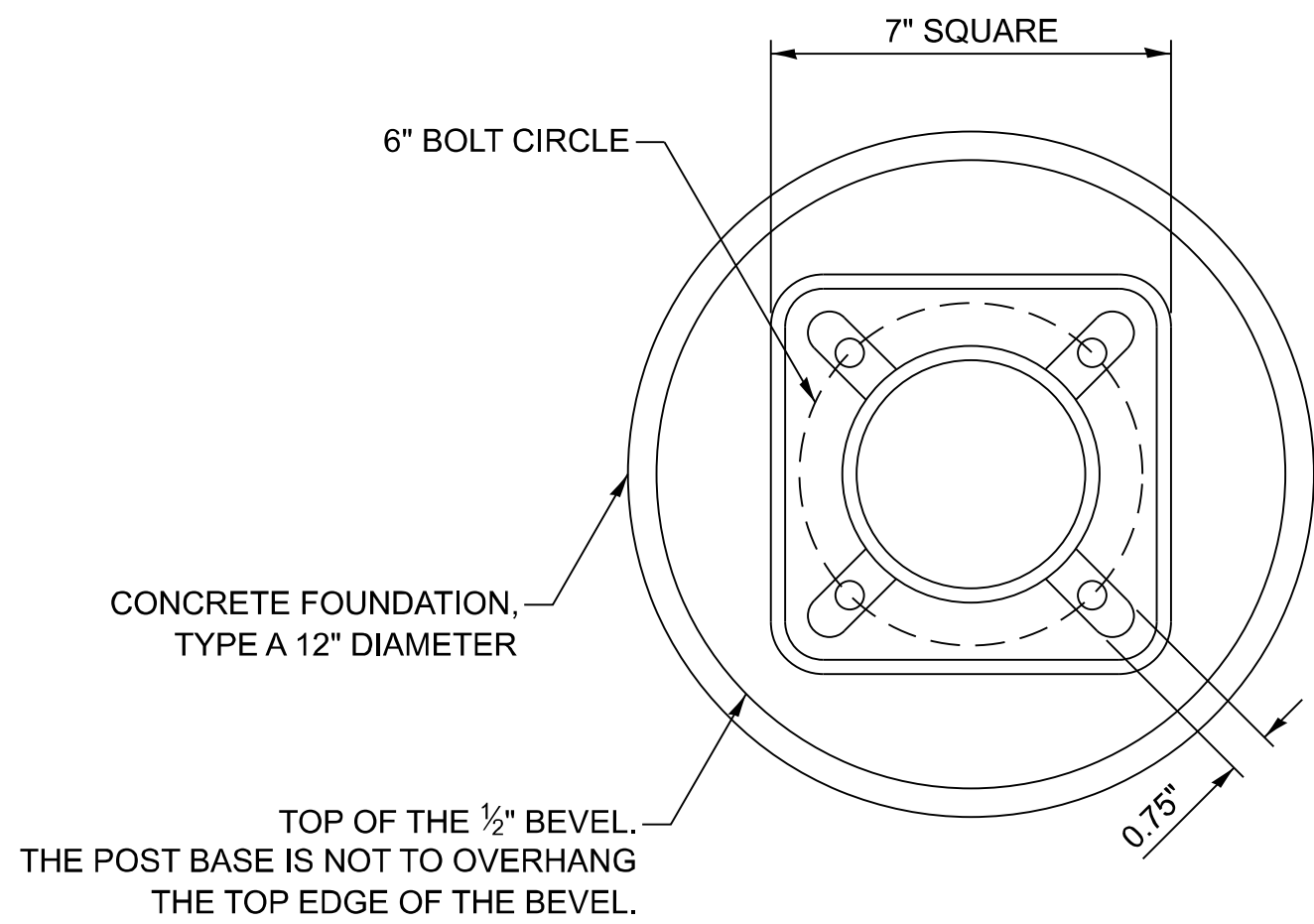
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	27
TS-01		CONTRACT NO. 62V42		
ILLINOIS		FED. AID PROJECT		

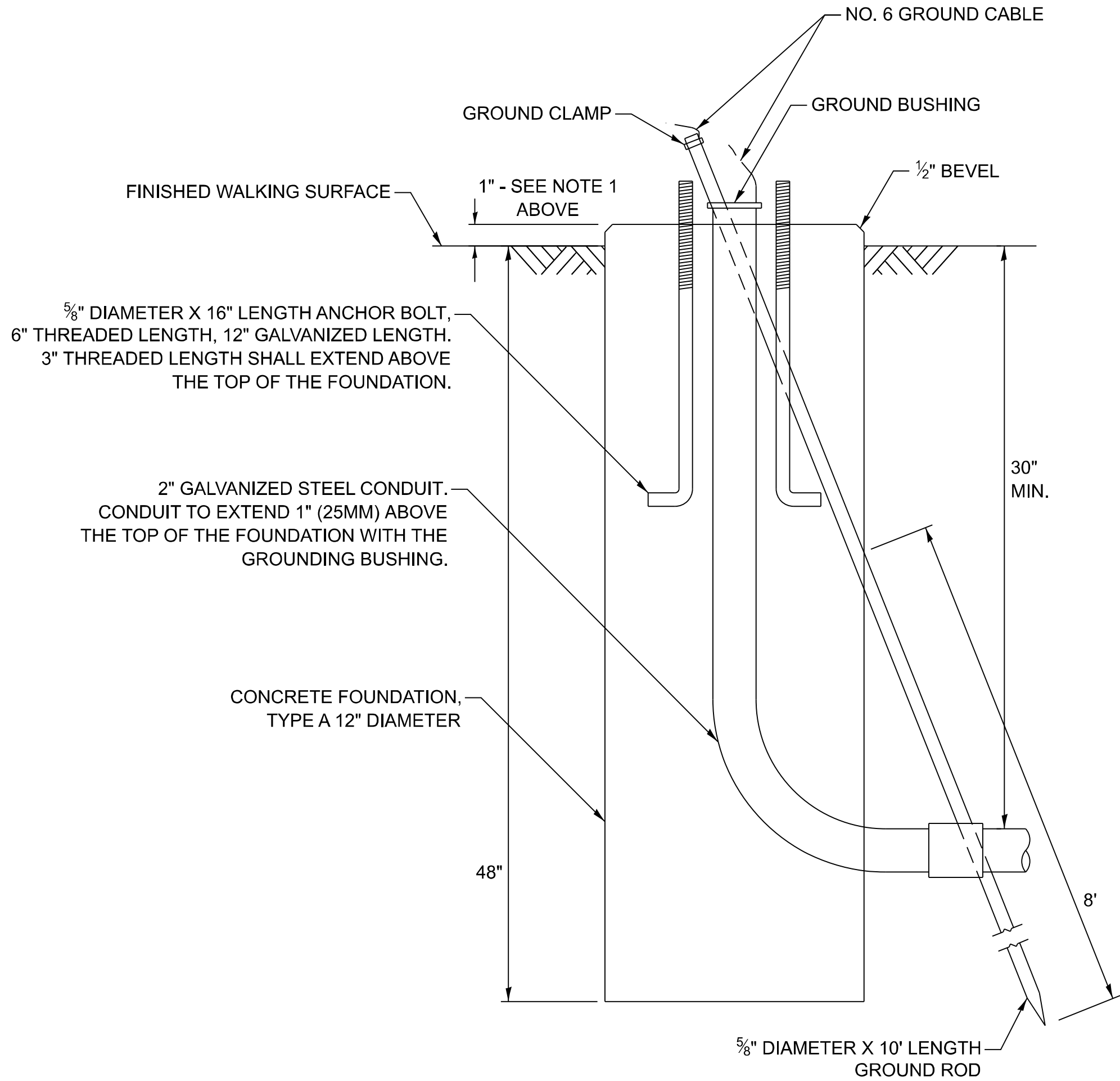
FAU 1332



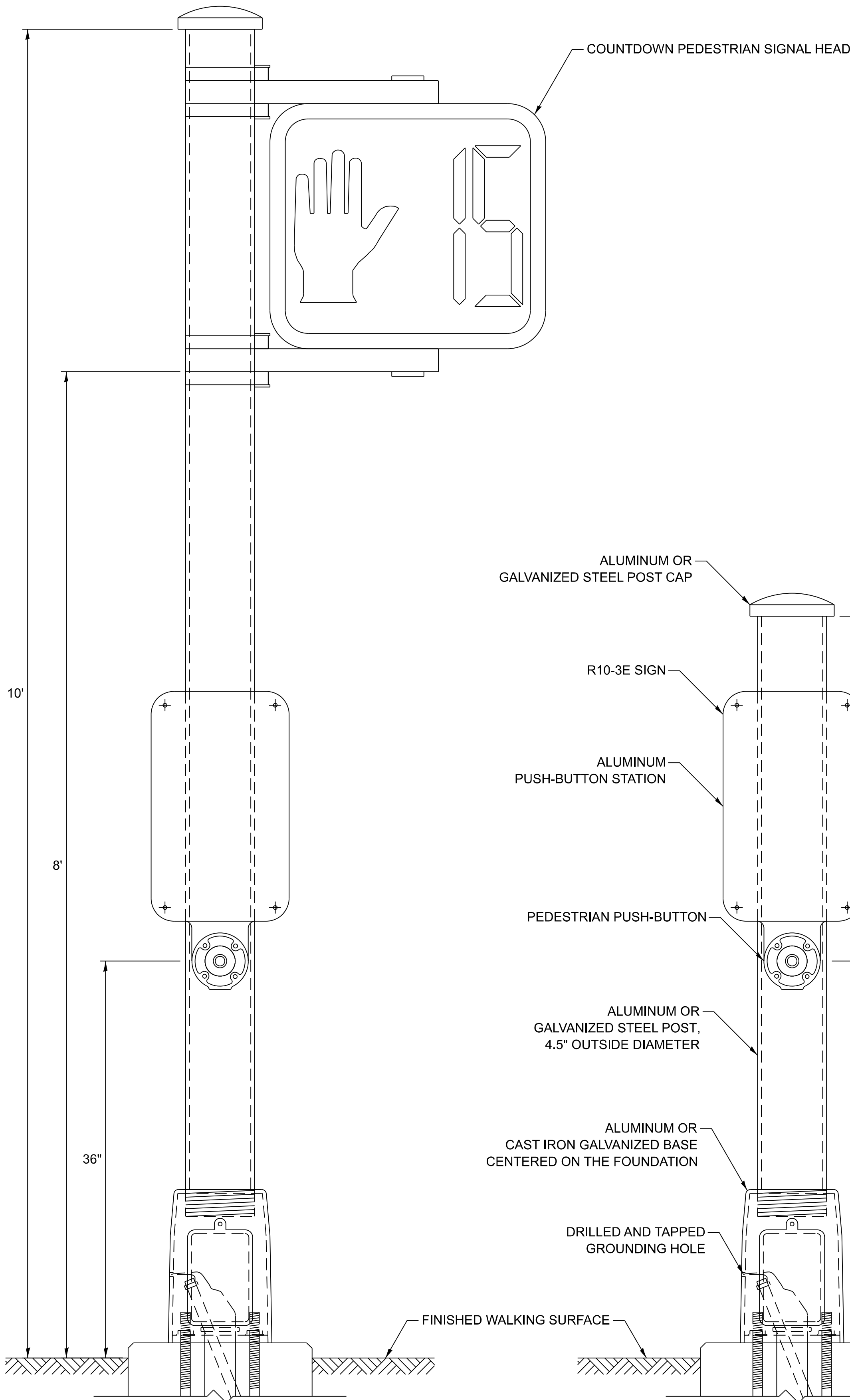
BOLT PATTERN

NOTES:

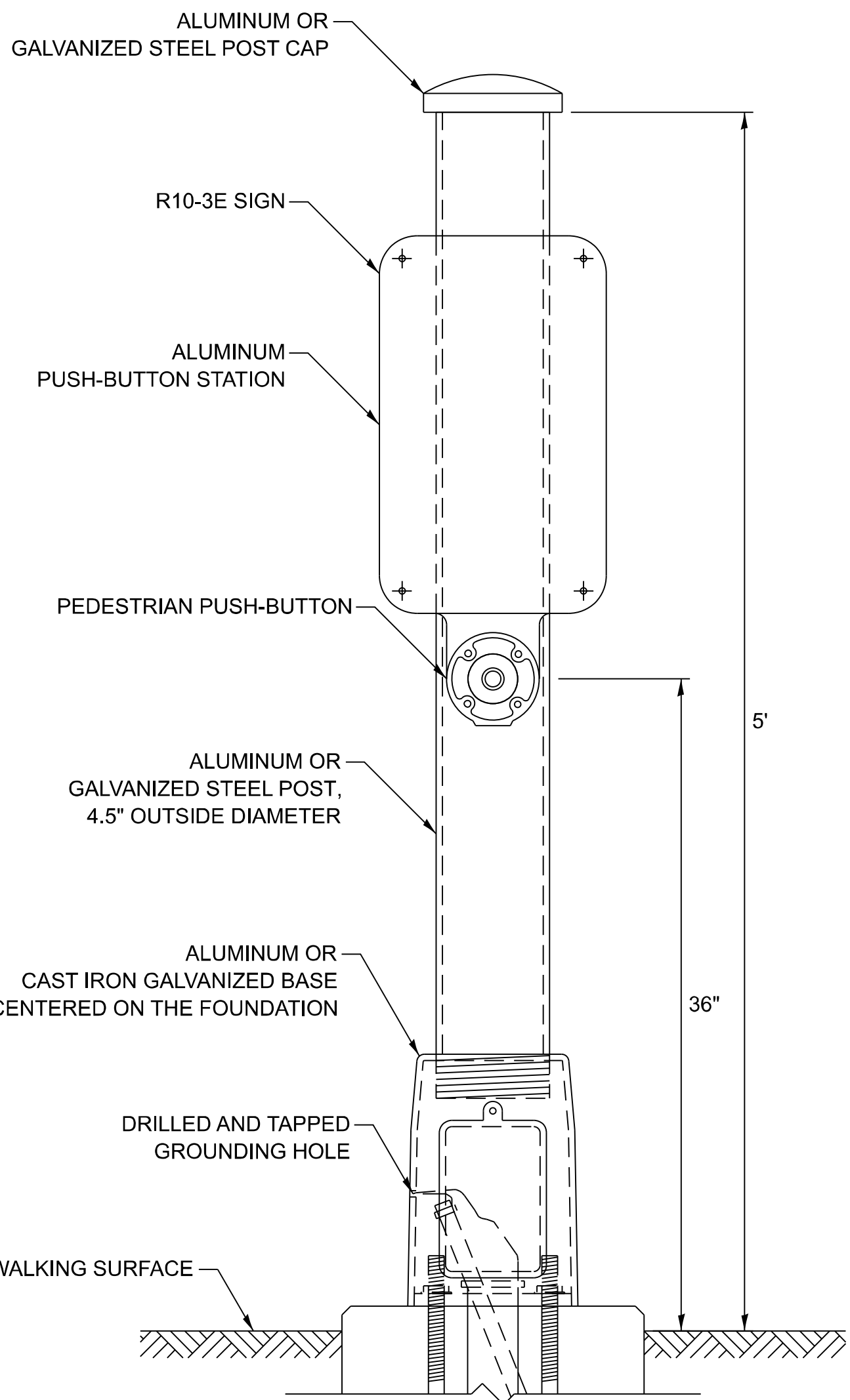
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN A SIDEWALK CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE SIDEWALK CURB.



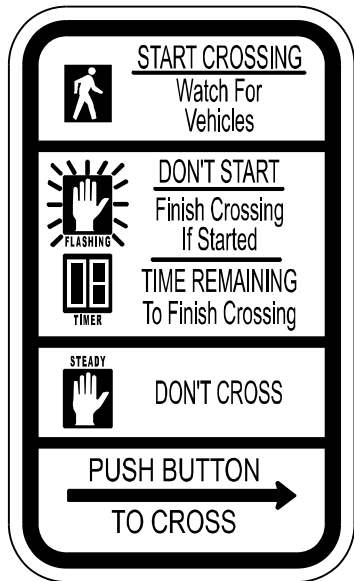
**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**



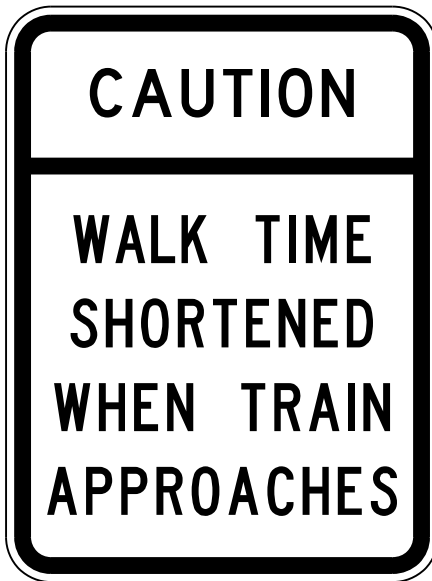
PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



R10-3E
9" X 15"



W10-1101
18" X 24"

SIGN NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. WHEN SIGN R10-3E IS INSTALLED AT MEDIANS WHERE ONLY ONE PUSH-BUTTON IS BEING USED FOR BOTH DIRECTIONS, THE ARROW SHALL BE BI-DIRECTIONAL.
3. SIGN W10-1101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

MODEL: TS-05g (Sheet)
FILE NAME: c:\p\work\pav\illinois.gov\illinois.gov\1095500D102024-shf-DistSigs.dgn

USER NAME	= justin.king	DESIGNED	- IP	REVISED	-
		DRAWN	- IP	REVISED	-
		CHECKED	- NB/KK	REVISED	-
PLOT DATE	= 8/19/2026	DATE	- 10/15/2025	REVISED	-

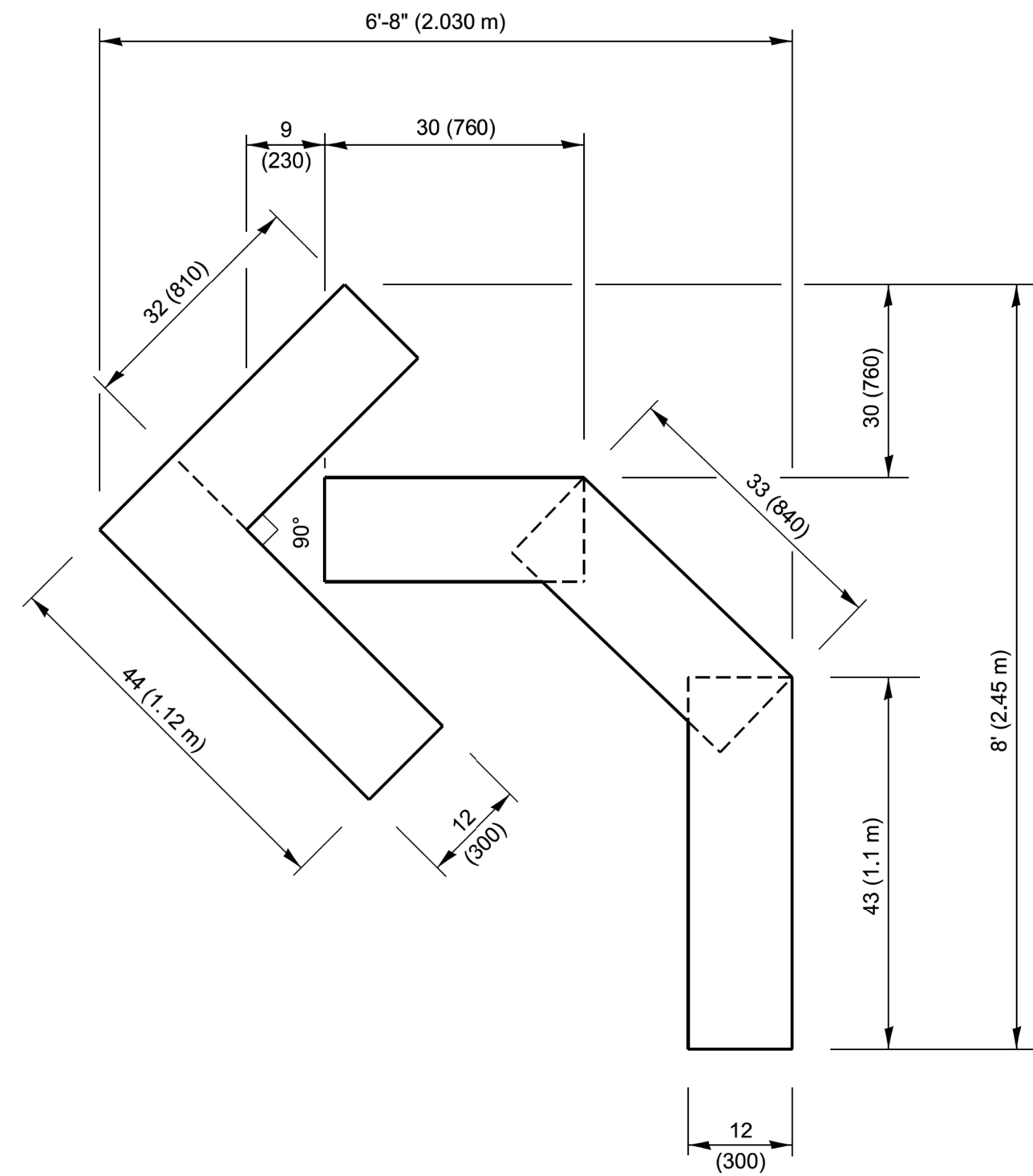
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

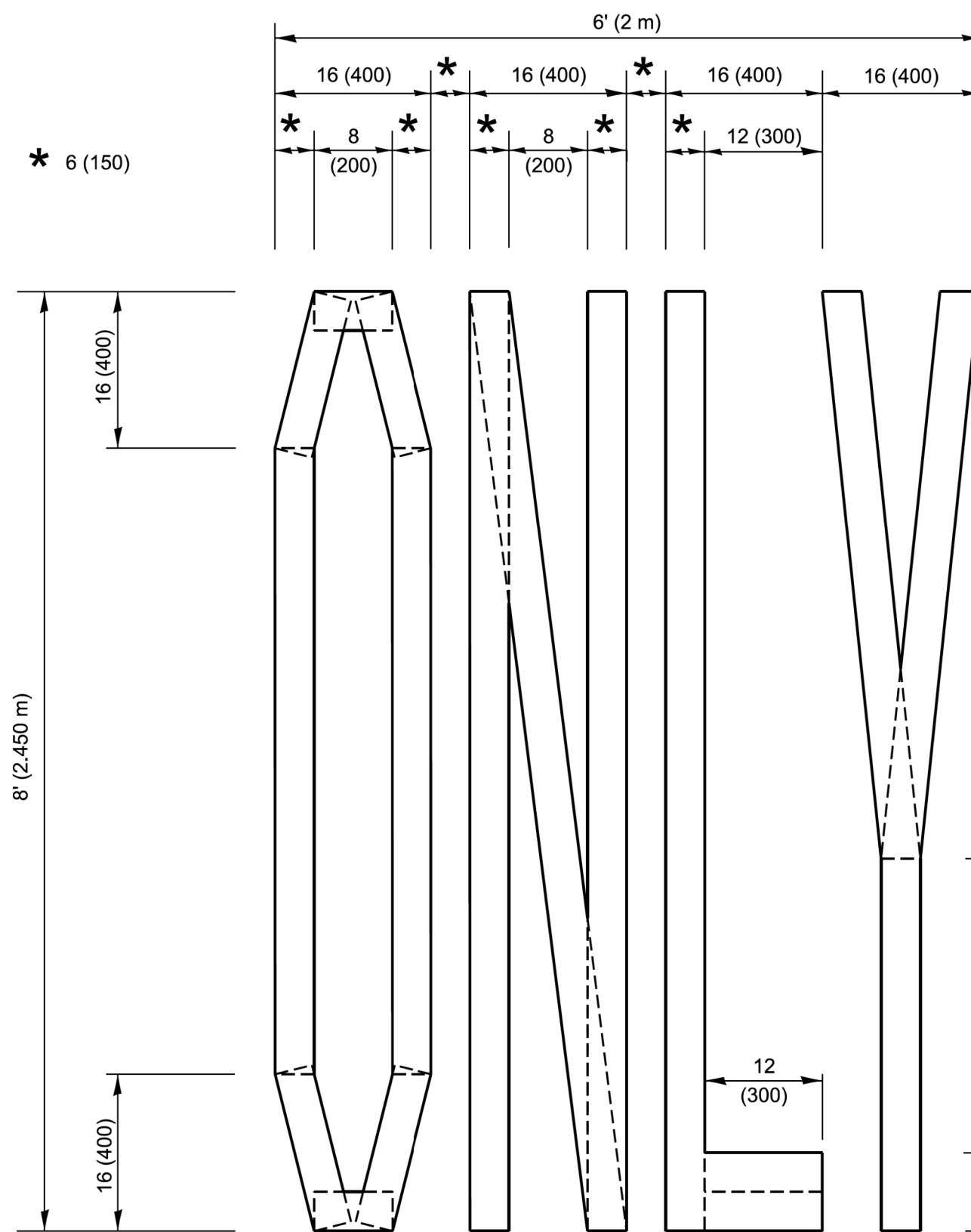
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	28
TS-01		CONTRACT NO. 62V42		
		ILLINOIS FED. AID PROJECT		

FAU 1332



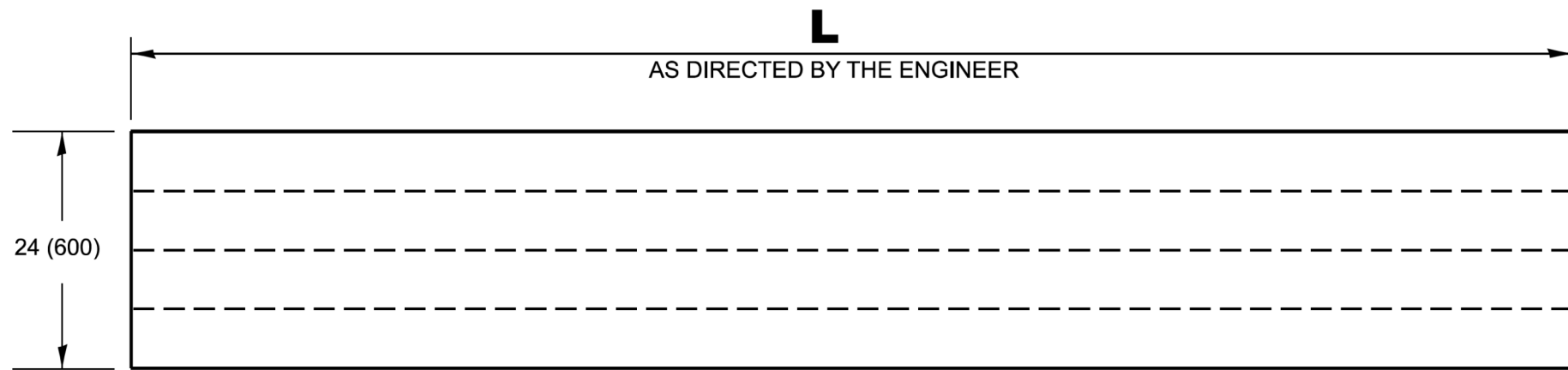
QUANTITY

6 (150) LINE = 30.4 ft. (9.27 m)
15.2 sq. ft. (1.41 sq. m)



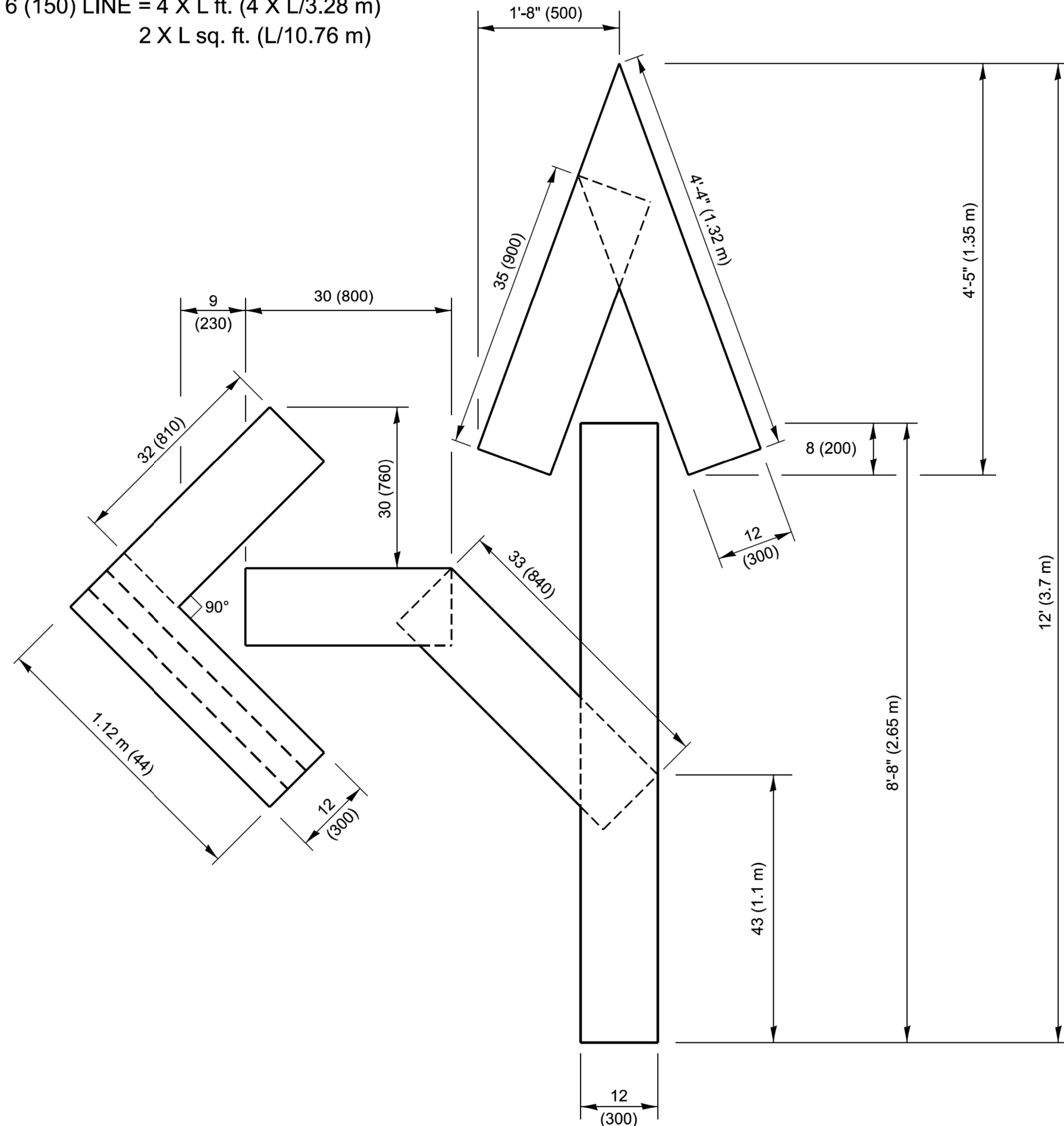
QUANTITY

6 (150) LINE = 64.1 ft. (19.5 m)
32.05 sq. ft. (2.98 sq. m)



QUANTITY

6 (150) LINE = 4 X L ft. (4 X L/3.28 m)
2 X L sq. ft. (L/10.76 m)

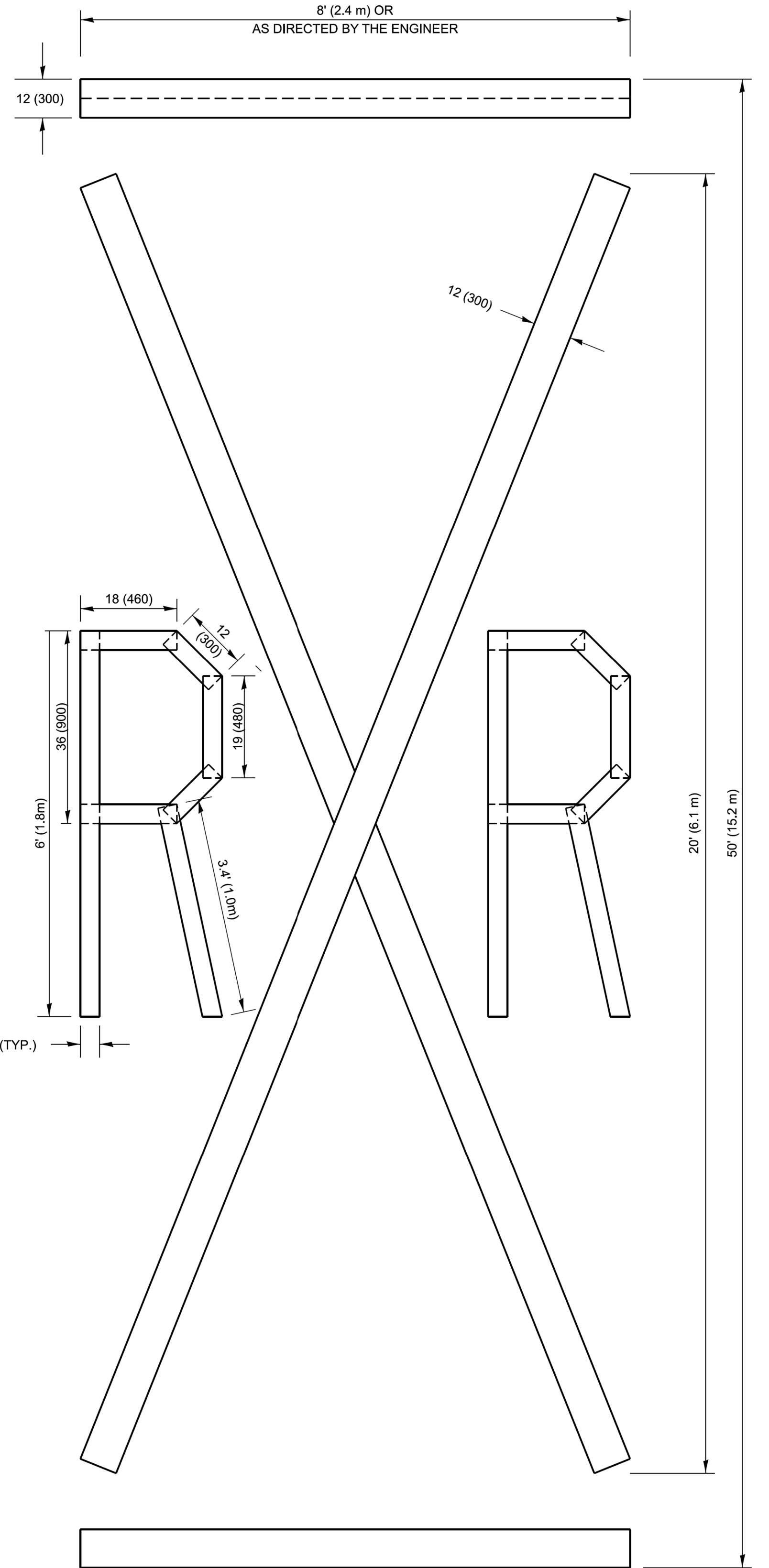


QUANTITY

6 (150) LINE = 55 ft. (16.76 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED
IN LINEAR FEET OF 6" LINES TO MATCH THE
6" TEMPORARY TAPE PAY ITEM AND REPRESENTS
THE TOTAL QUANTITY OF 6" TAPE REQUIRED.



QUANTITY

6 (150) LINE = 225.9 ft. (68.9 m)
112.95 sq. ft. (10.5 sq. m)

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

MODEL: TS-07 (Sheet)
FILE NAME: c:\p\work\pav\illinois.gov\1095500D102024-shl-DistSids.dgn

USER NAME	* justin.king	DESIGNED	-	REVISED	- E. GOMEZ 08-28-00
		DRAWN	-	REVISED	- E. GOMEZ 08-28-00
		CHECKED	-	REVISED	- A. SCHUETZE 09-15-16
PLOT DATE	= 9/28/2026	DATE	- 09-18-94	REVISED	- J. JONES 09-15-26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

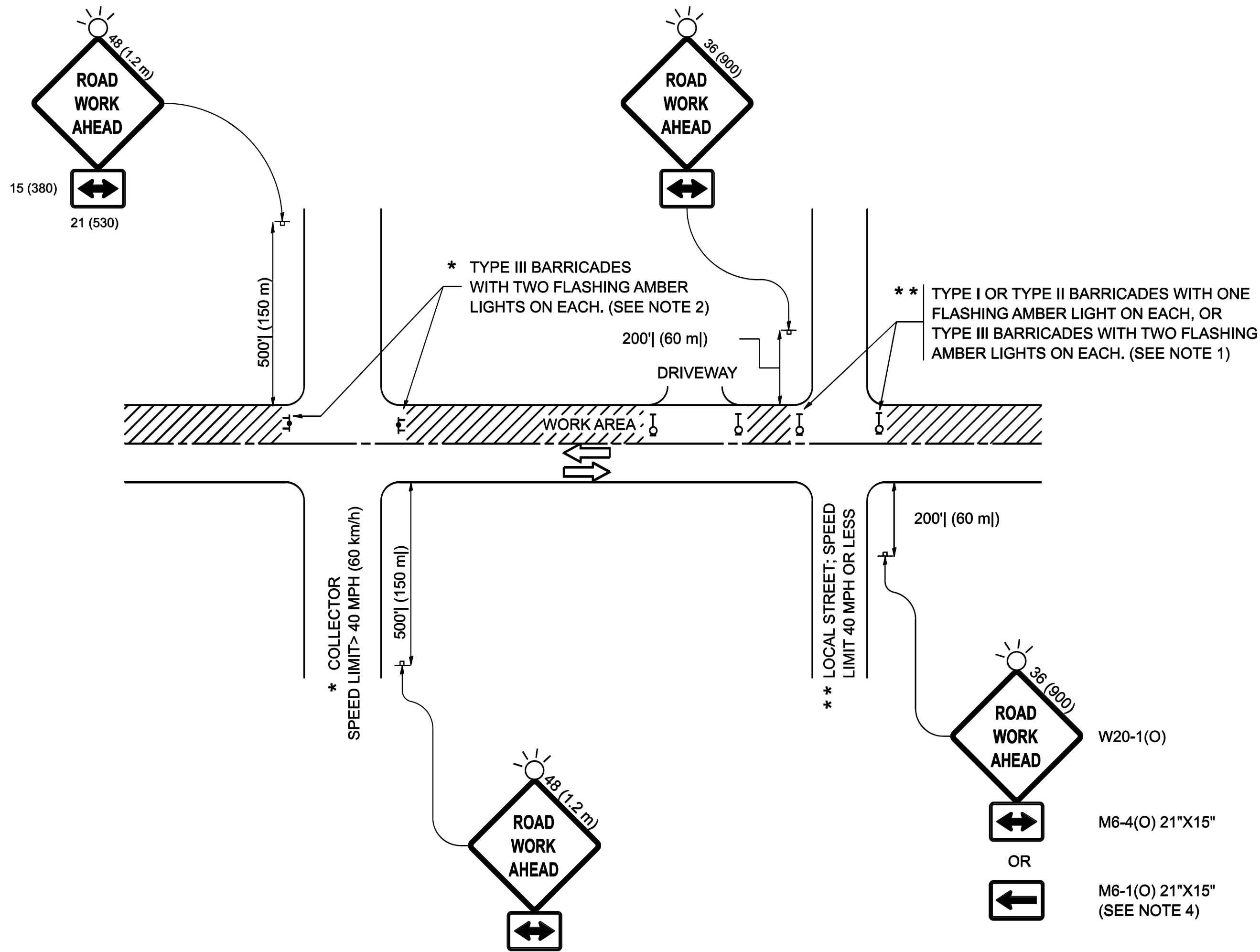
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	29
TC-16		CONTRACT NO. 62V42		
		ILLINOIS	FED. AID PROJECT	

FAU 1332

MODEL: TC-10 [Sheet]
FILE NAME: c:\p\work\pav\illinois.gov\illinois.gov\justin.king@illinois.gov\d1095500D102024-shl-DistSds.dgn



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 WORK 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 WORK 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.

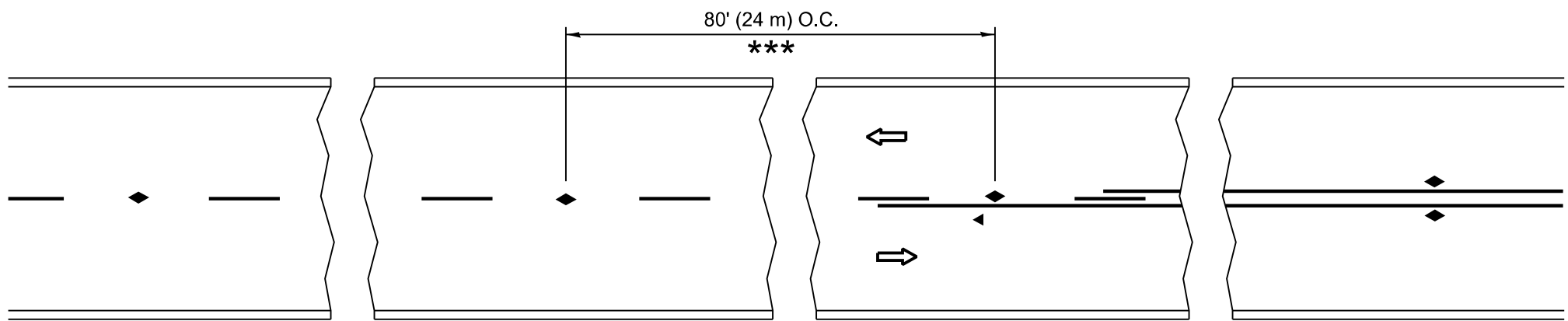
USER NAME	= justin.king	DESIGNED	- L.H.A.	REVISED	- A. SCHUETZE 07-01-13
		DRAWN	-	REVISED	- A. SCHUETZE 09-15-06
		CHECKED	-	REVISED	- D. SENDERAK 05-03-25
PLOT DATE	= 9/28/2026	DATE	- 06-89	REVISED	- D. SENDERAK 09-15-26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

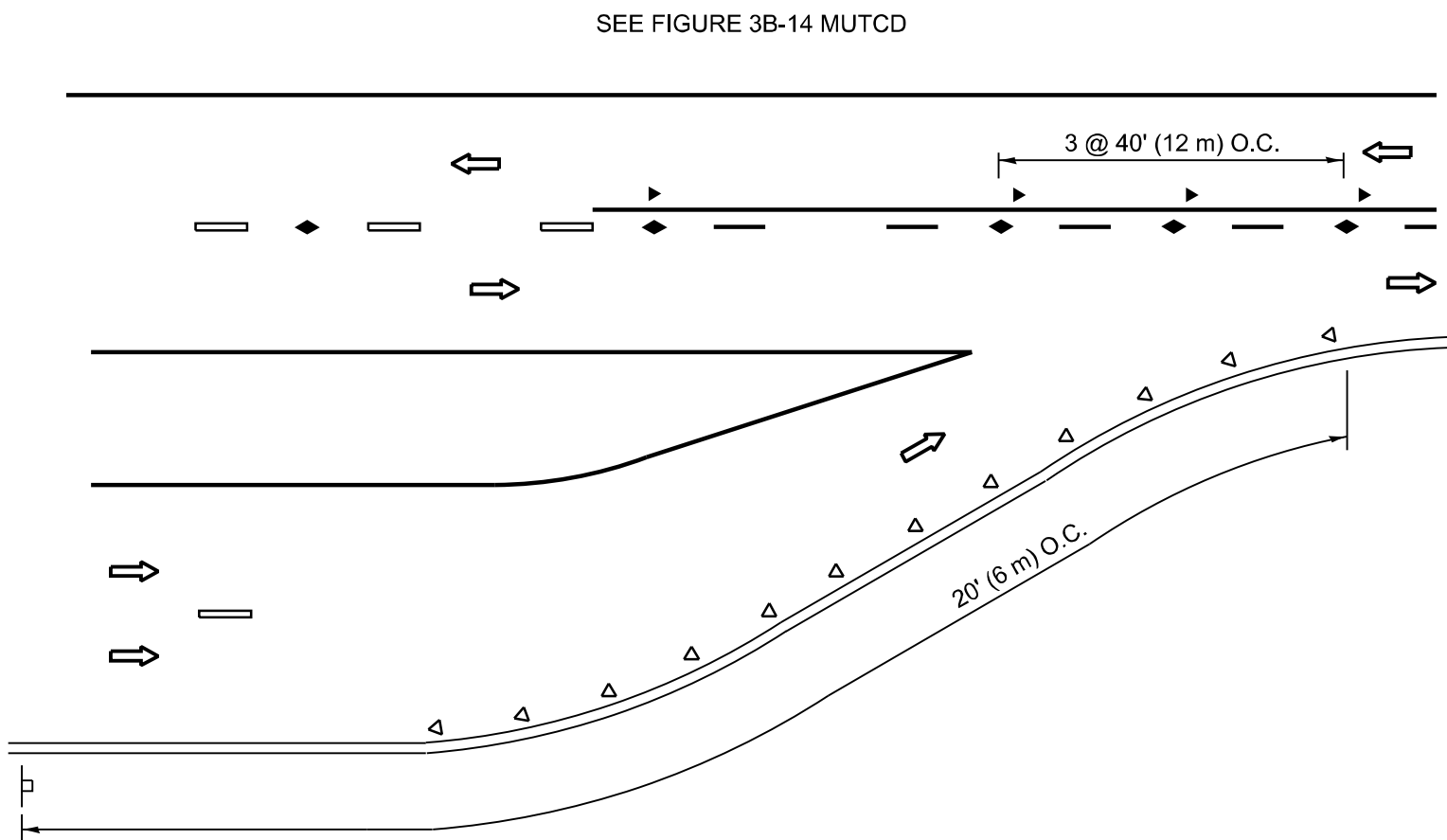
TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: SHEET OF SHEETS STA. TO STA.

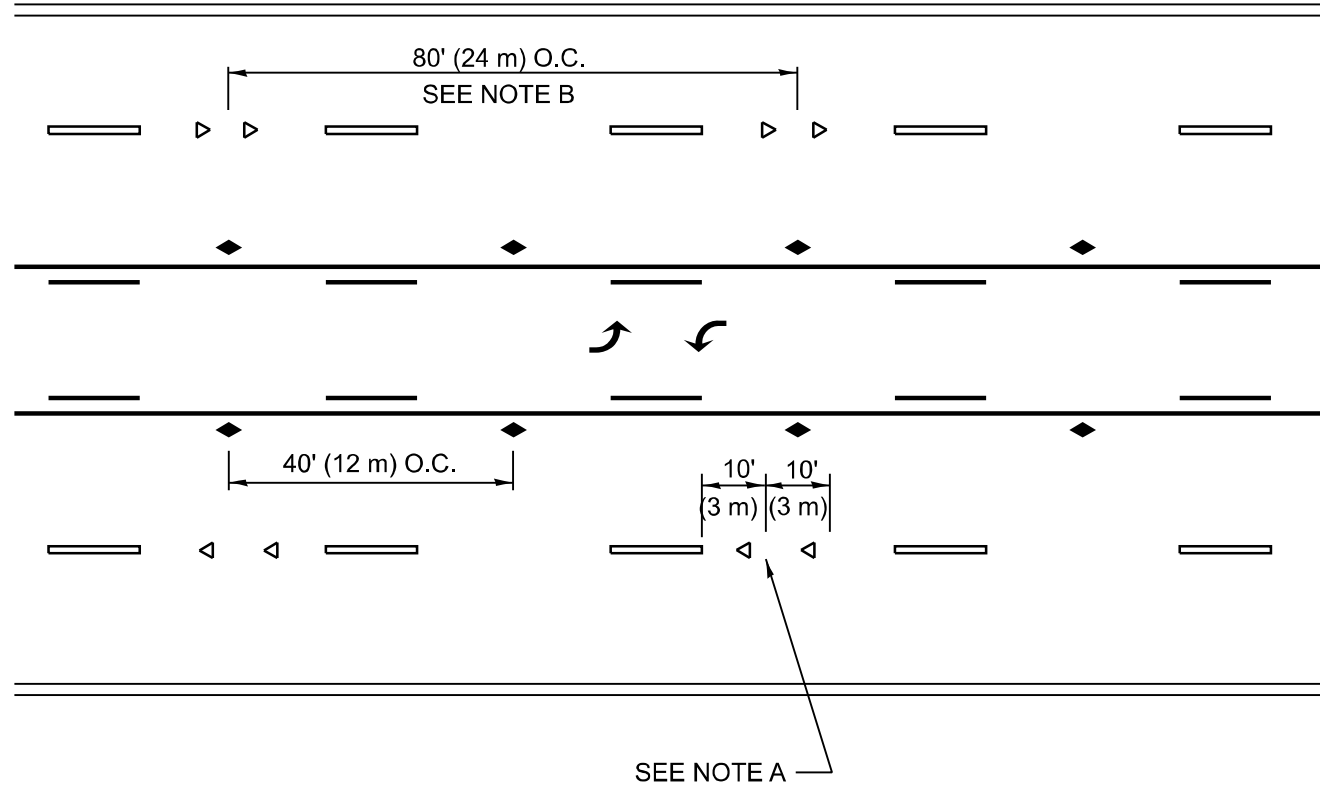
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	30
TC-10		CONTRACT NO. 62V42		
		ILLINOIS	FED. AID PROJECT	



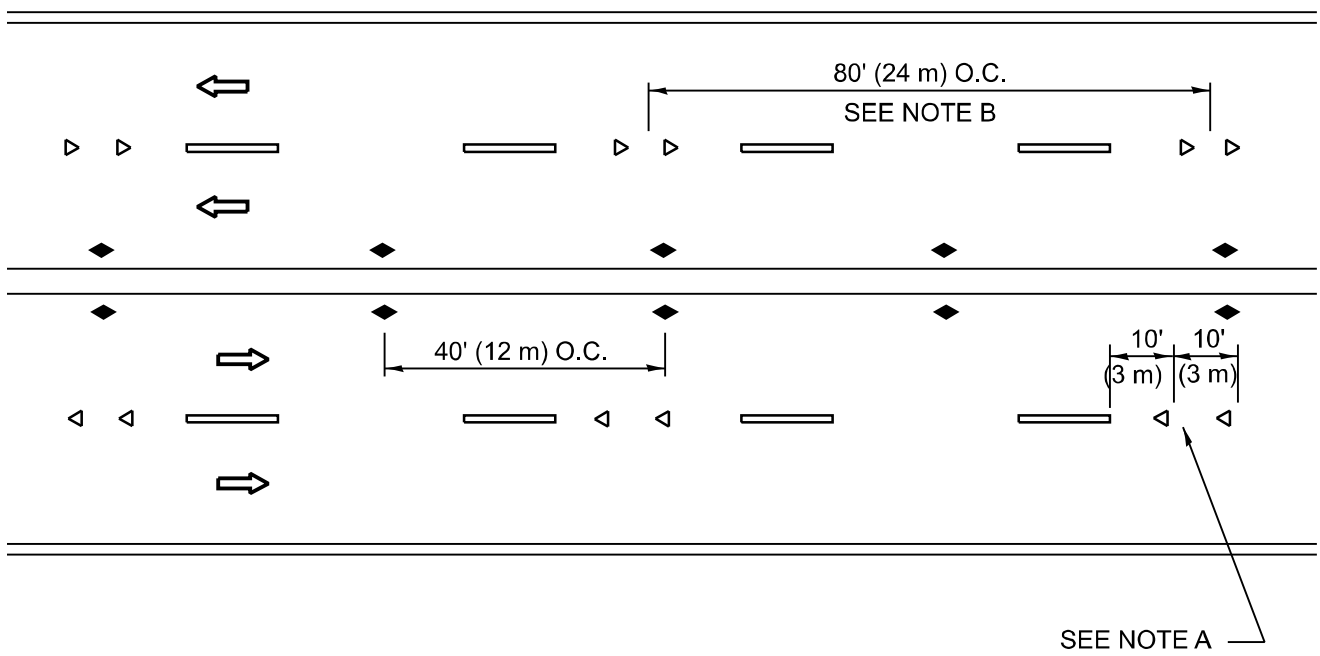
TWO-LANE/TWO-WAY



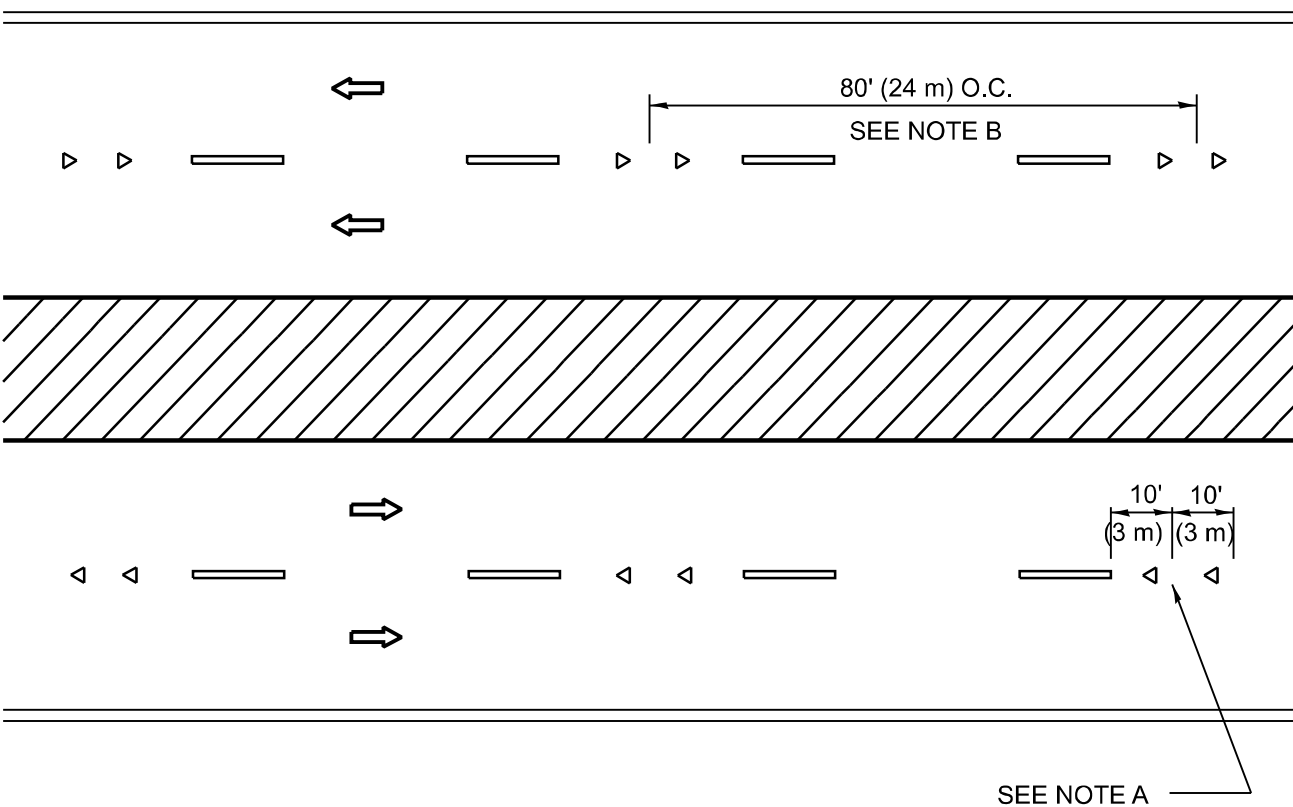
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

- MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
 - MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
 - MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
 - MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

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

LANE MARKER NOTES

DESIGN NOTES

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

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

MODEL: TC-11 [Sheet]
FILE NAME: c:\p\work\pav\illinois.gov\1095500D\102024-shl-DistStd.sgn

USER NAME	* justin.king	DESIGNED	-	REVISED	- T. RAMMACHER 03-12-99
		DRAWN	-	REVISED	- T. RAMMACHER 01-06-00
		CHECKED	-	REVISED	- C. JUCIUS 09-09-09
PLOT DATE	= 8/19/2026	DATE	-	REVISED	- C. JUCIUS 07-01-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

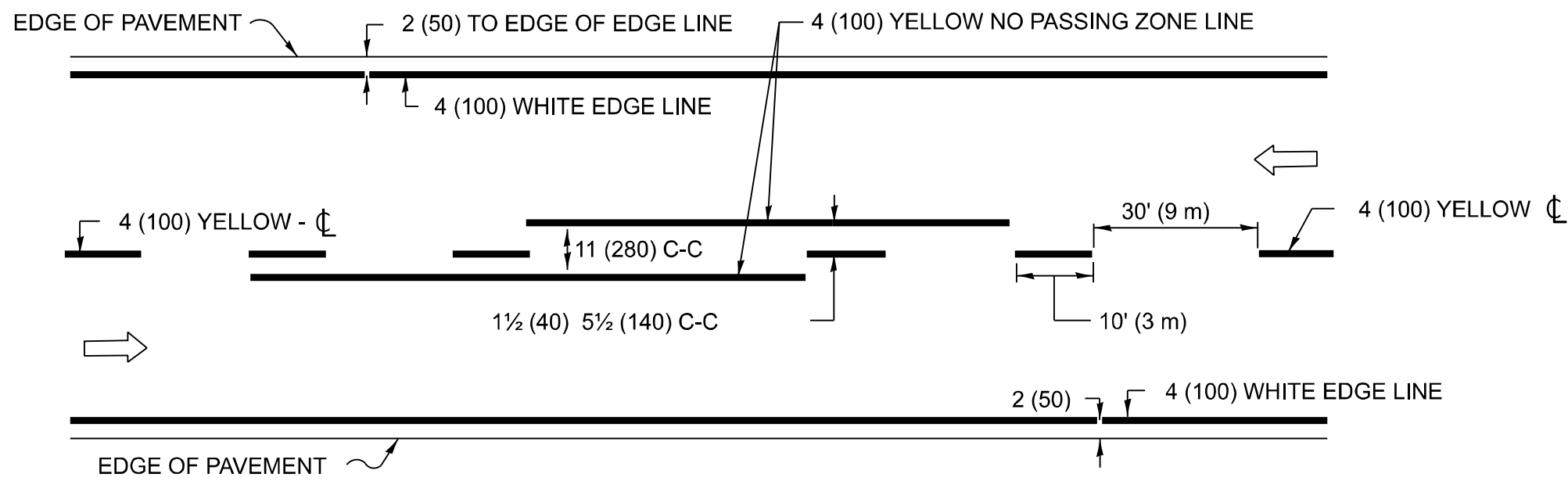
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

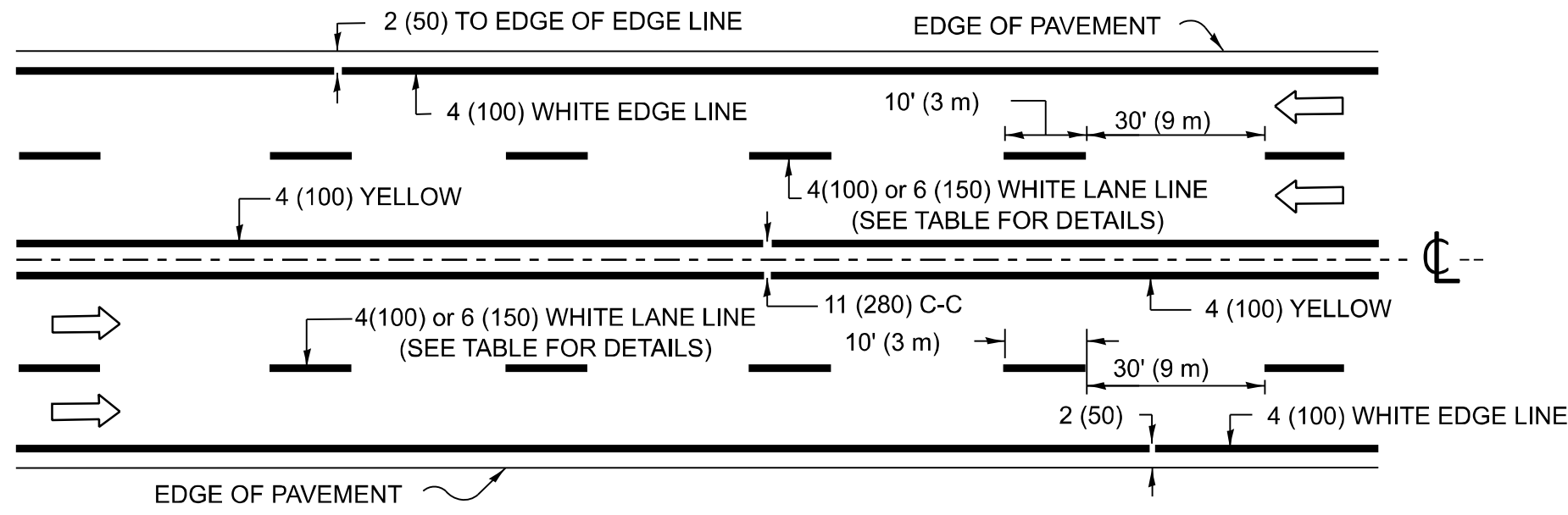
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	31
TC-11		CONTRACT NO. 62V42		
		ILLINOIS	FED. AID PROJECT	

FAU 1332

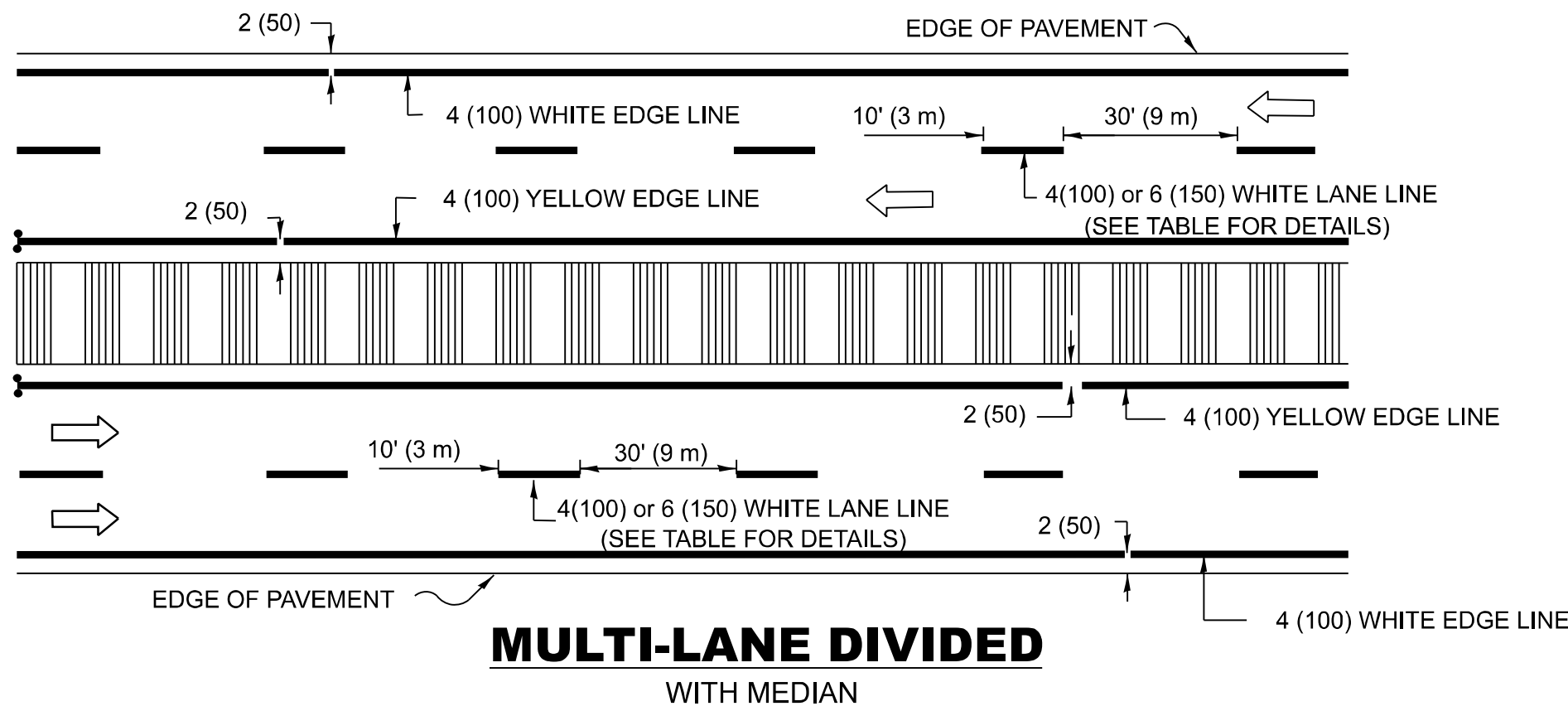
MODEL: TC-13 [Sheet]
FILE NAME: c:\p\work\pav\illinois.gov\1095500D\102024-shf-DistStd.sgn



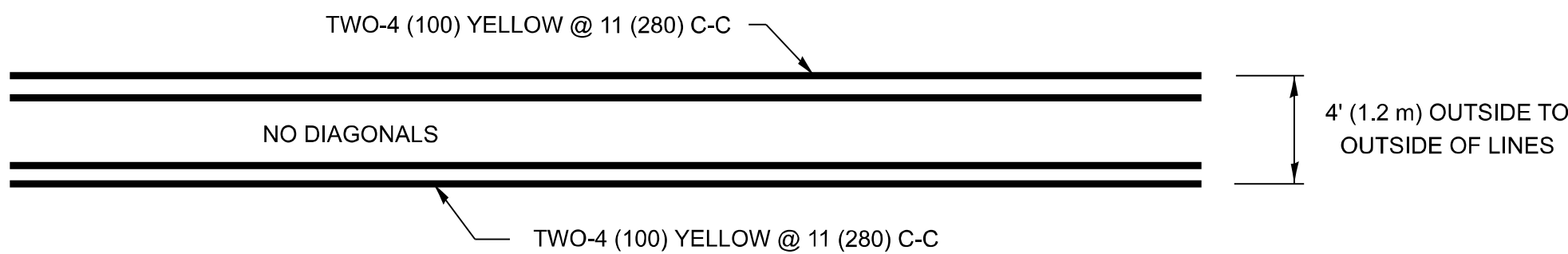
2-LANE ROADWAY



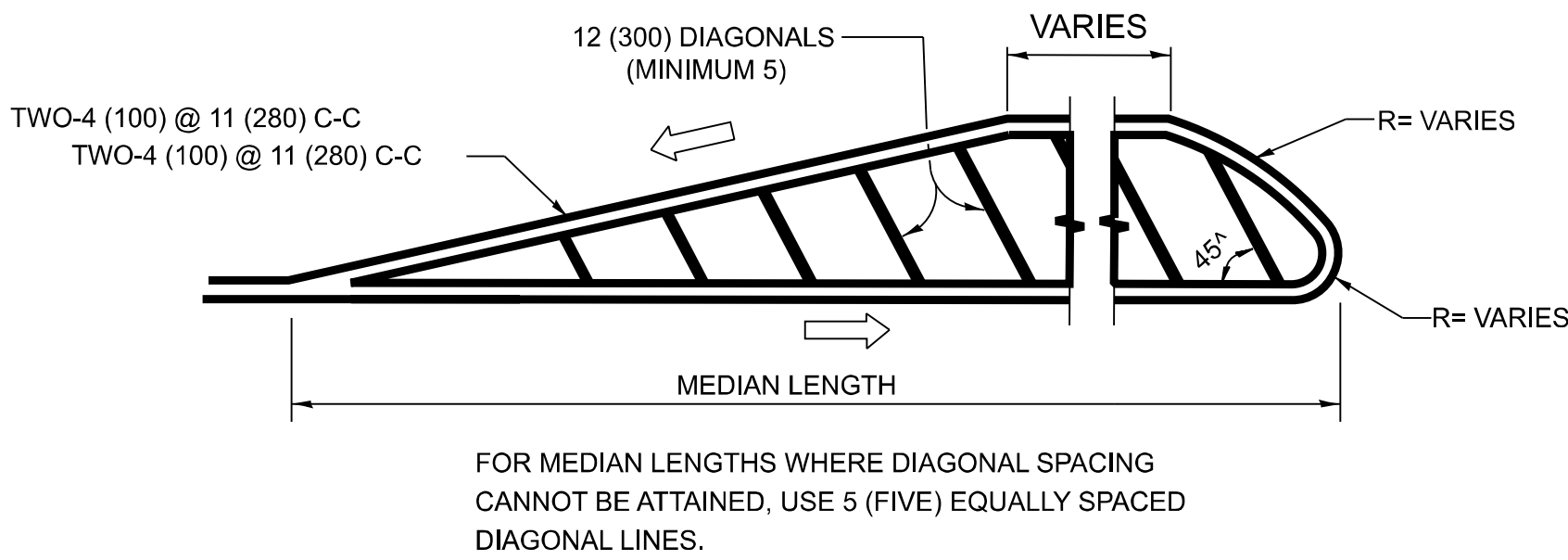
MULTI-LANE UNDIVIDED



TYPICAL LANE AND EDGE LINE MARKING

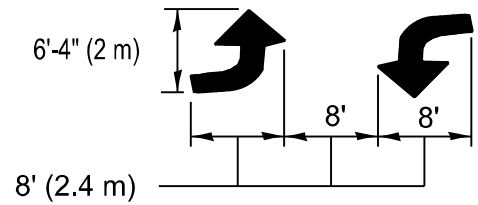
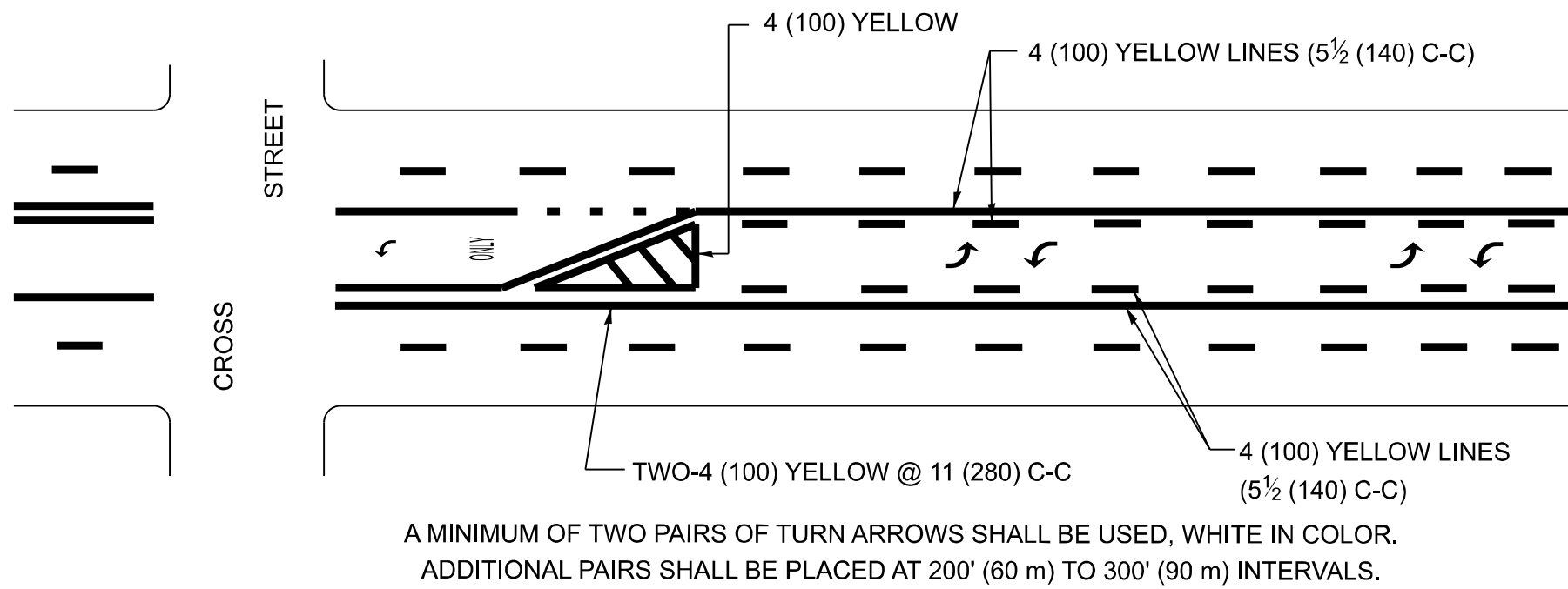


4' (1.2 m) WIDE MEDIANS ONLY



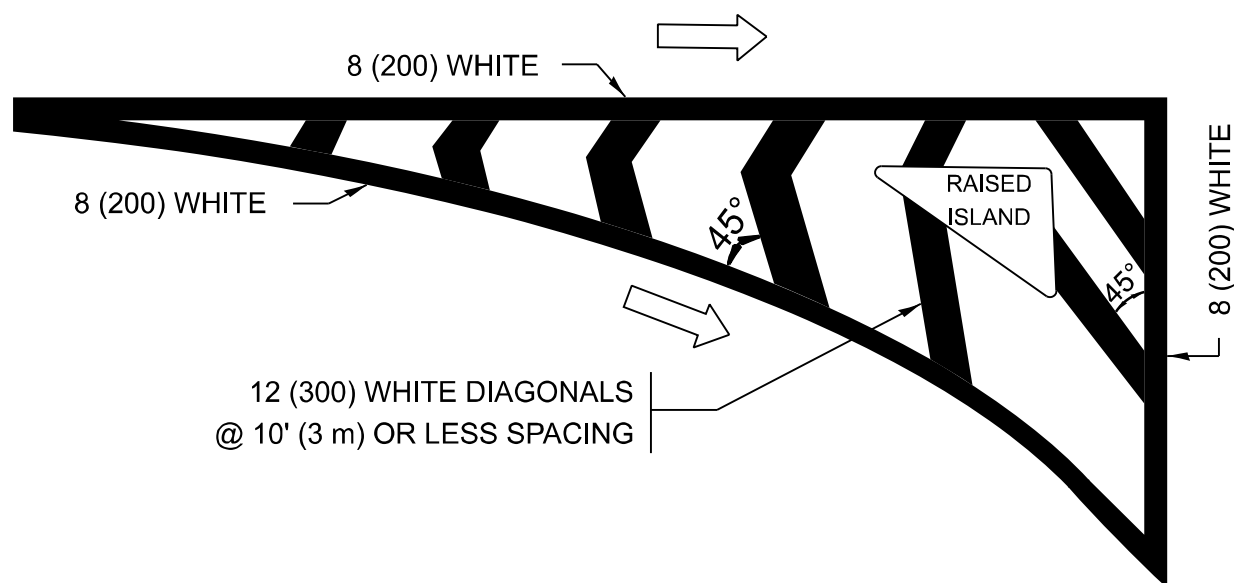
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

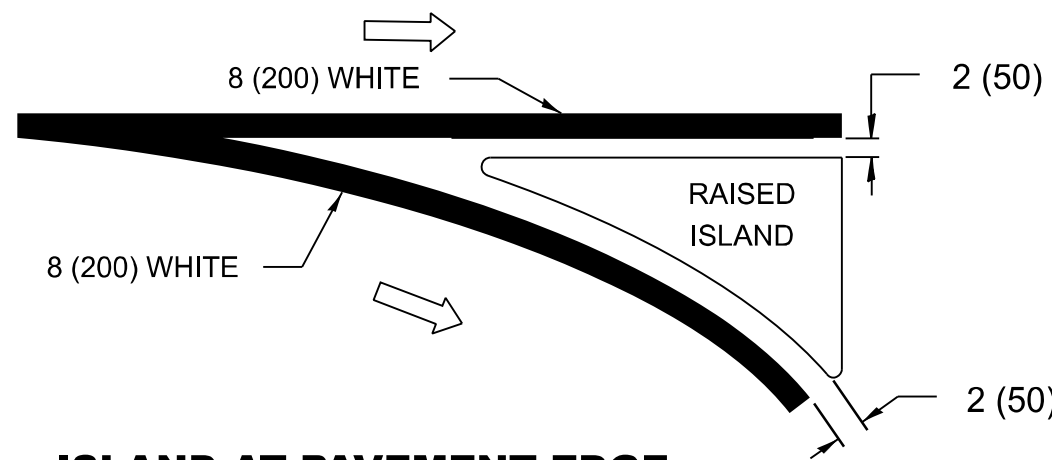


MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

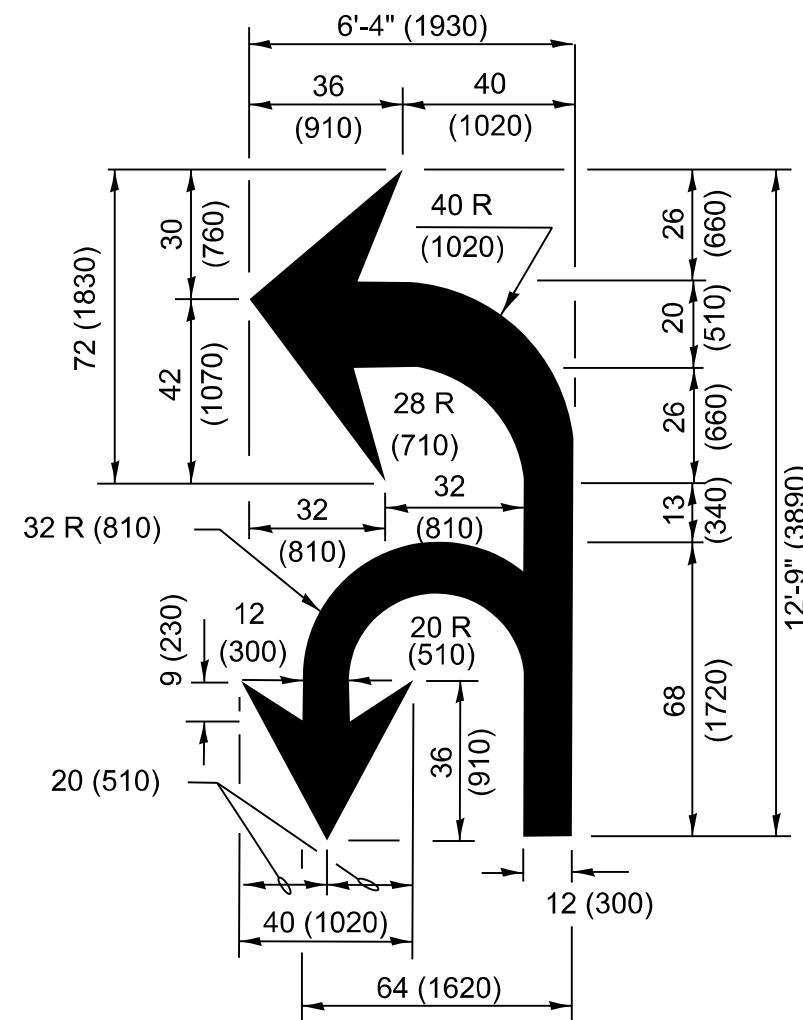


ISLAND OFFSET FROM PAVEMENT EDGE

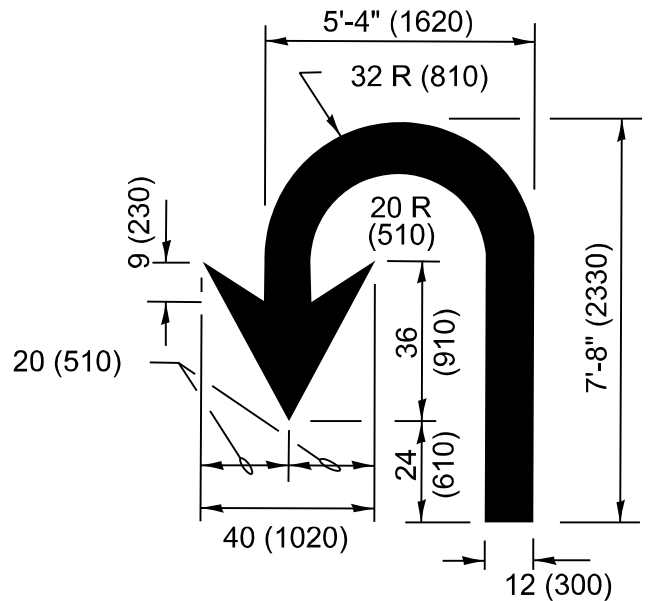


ISLAND AT PAVEMENT EDGE

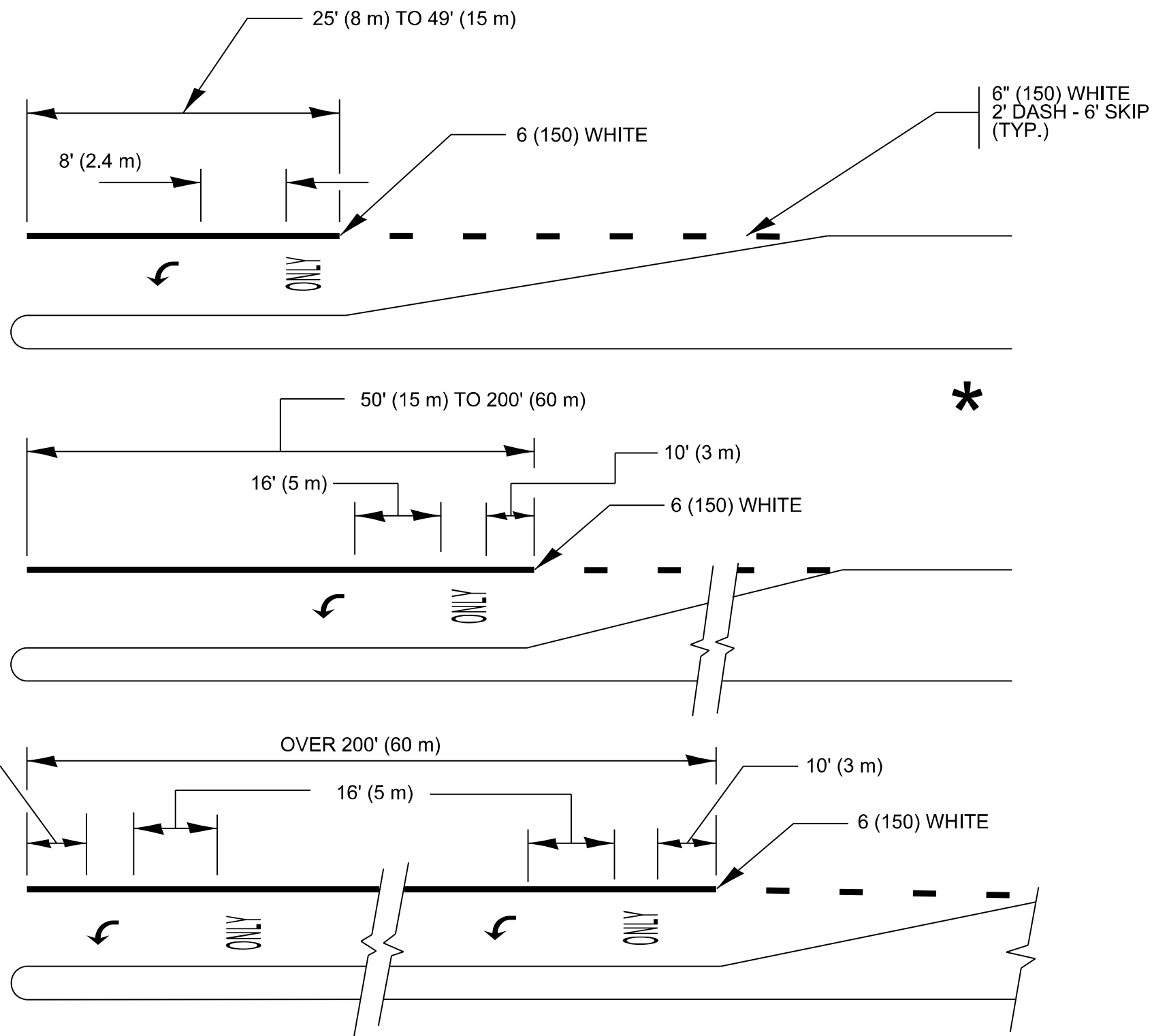
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE MARKING

USER NAME	* justin.king	DESIGNED	- EVERS	REVISED	- C. JUCIUS 07-01-13
		DRAWN	-	REVISED	- C. JUCIUS 12-21-15
		CHECKED	-	REVISED	- C. JUCIUS 04-12-16
PLOT DATE	= 8/19/2026	DATE	- 03-19-90	REVISED	- K. KANNAN-HOSADURGA 06-29-26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

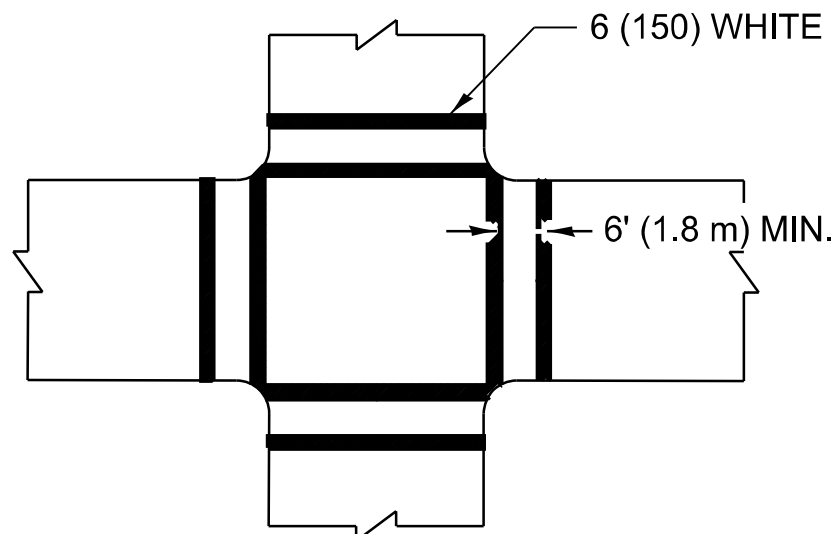
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

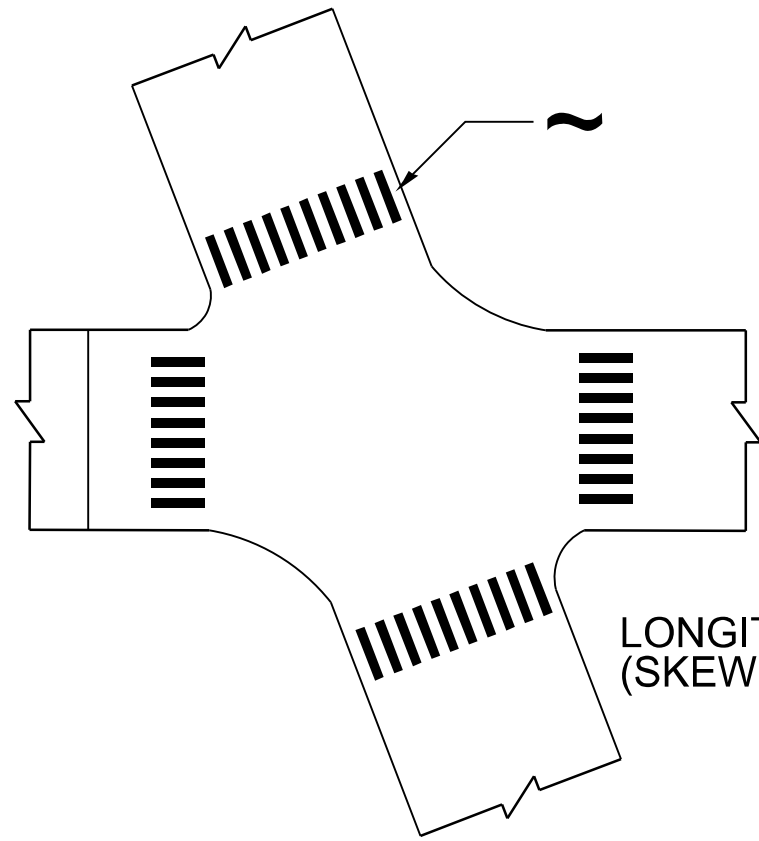
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	32
TC-13A		CONTRACT NO. 62V42		
ILLINOIS		FED. AID PROJECT		

FAU 1332

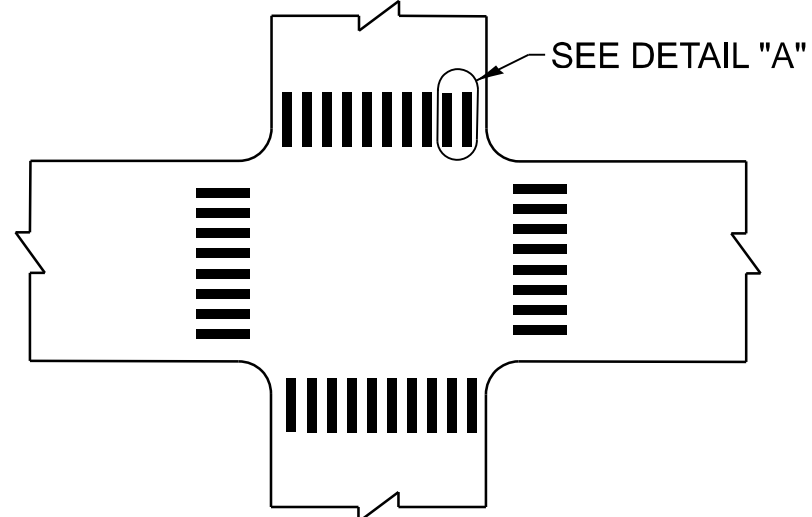
MODEL: TC-14 (Sheet)
FILE NAME: c:\pav_work\pavdtd\illinois.gov\illinois.gov\d1095500D102024-shit-DistStd.dgn



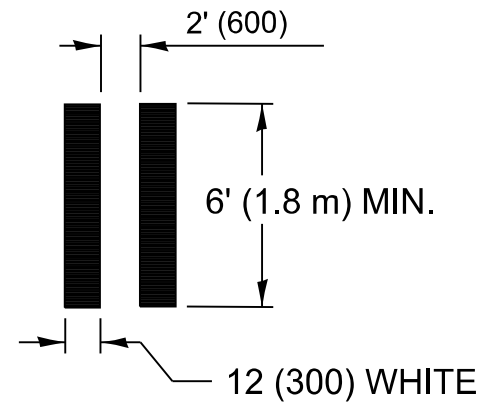
TRANSVERSE CROSSWALK



LONGITUDINAL CROSSWALK
(SKEWED INTERSECTION)



LONGITUDINAL CROSSWALK

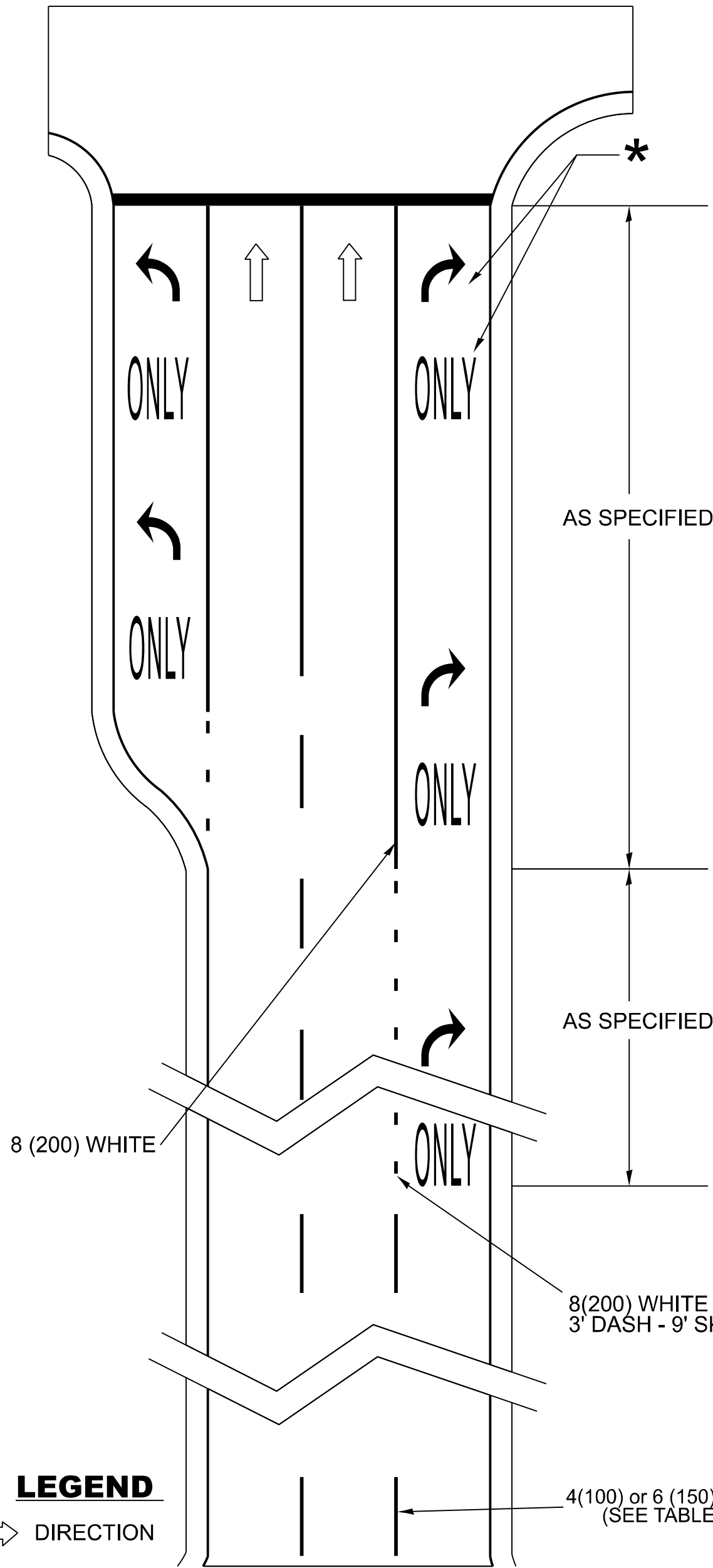


DETAIL "A"

TYPICAL CROSSWALK MARKING

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

~ THE INDIVIDUAL LONGITUDINAL ELEMENTS OF A LONGITUDINAL BAR CROSSWALK SHOULD BE ANGLED SUCH THAT THEY ARE PARALLEL TO THE TRAVEL PATH OF APPROACHING TRAFFIC



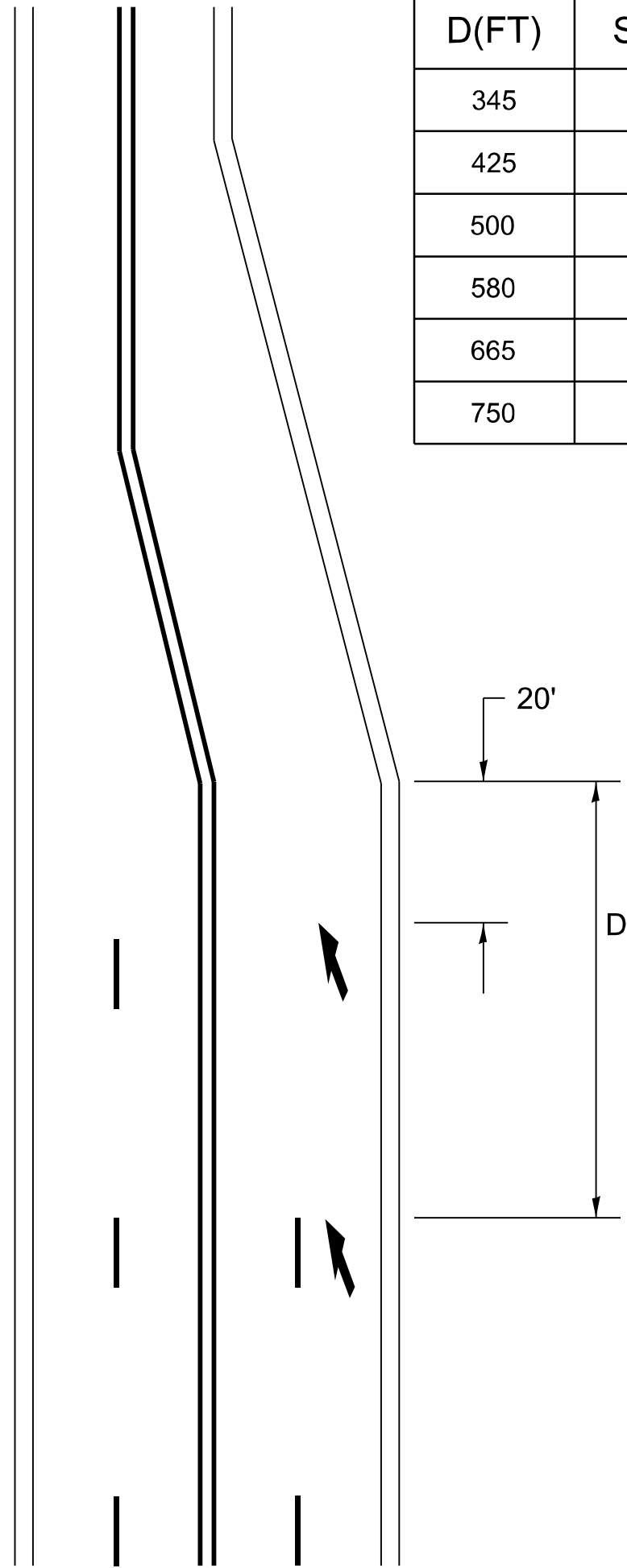
LEGEND

➡ DIRECTION

ARTERIAL ROAD LANE-DROP MARKINGS

* FOLLOW TYPICAL TURN LANE MARKINGS FOR PLACEMENT AND SIZE DETAILS OF 'ARROW' AND 'ONLY' MARKINGS IN THE TURN LANE.

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



LANE REDUCTION TRANSITION

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

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 FOR SPEED LIMIT <= 45 MPH LANE LINES FOR SPEED LIMIT > 45 MPH	4 (100) 6 (150)	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (TYPICAL FOR EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS, EXCEPT AT LANE-DROP MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (0.60m) 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; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
TRANSVERSE CROSSWALK LONGITUDINAL BARS CROSSWALK	2 @ 6 (150) 12 (300) @ 90°	SOLID SOLID	WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART AND PARALLEL TO TRAFFIC FLOW SEE TYPICAL CROSSWALK MARKING DETAIL 'A'.
STOP LINES	24 (600)	SOLID	WHITE	PLACE MINIMUM 4' (1.2 m) IN ADVANCE OF CROSSWALK IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. NO MORE THAN 30' (9.1 m) OR LESS THAN 4' (1.2 m) FROM NEAREST EDGE OF INTERSECTING TRAVELED WAY.
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, TC 23 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF
ARTERIAL LANE-DROP MARKINGS DOTTED LINES FOR LANE-DROP TURN LANE MARKINGS	8 (200) 8 (200)	SKIP - DASH SOLID	WHITE WHITE	3' (0.91 m) LINE WITH 9' (2.74 m) SPACE

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	* justin.king	DESIGNED	- EVERS	REVISED	- C. JUCIUS 07-01-13
DRAWN	-	DRAWN	-	REVISED	- C. JUCIUS 12-21-15
CHECKED	-	CHECKED	-	REVISED	- C. JUCIUS 04-12-16
PLOT DATE	= 8/19/2026	DATE	- 03-19-90	REVISED	- K. KANNAN-HOSADURGA 06-29-26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	33
TC-13B		CONTRACT NO. 62V42		
		ILLINOIS	FED. AID PROJECT	

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

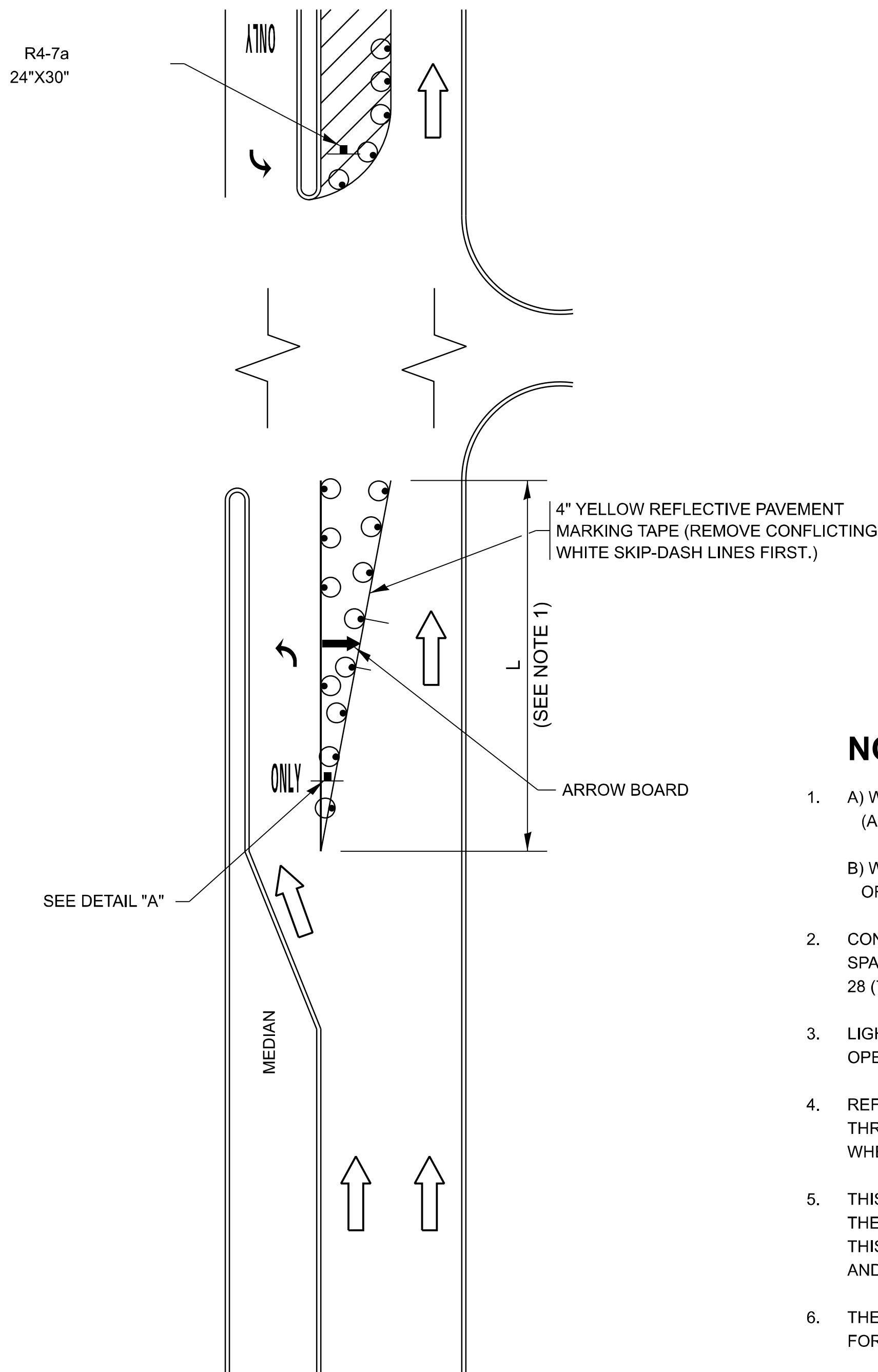
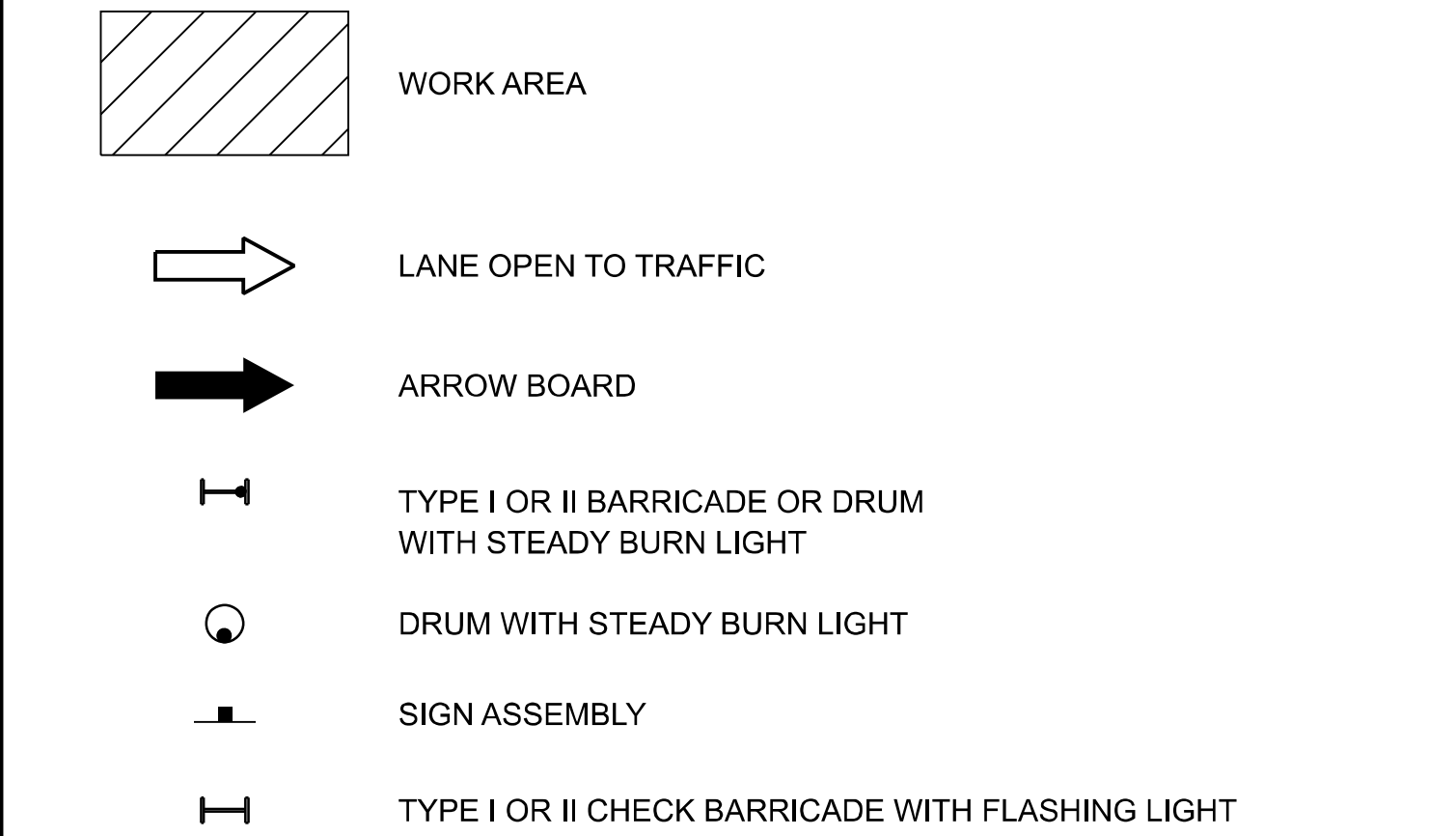


FIGURE 1

LEGEND



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

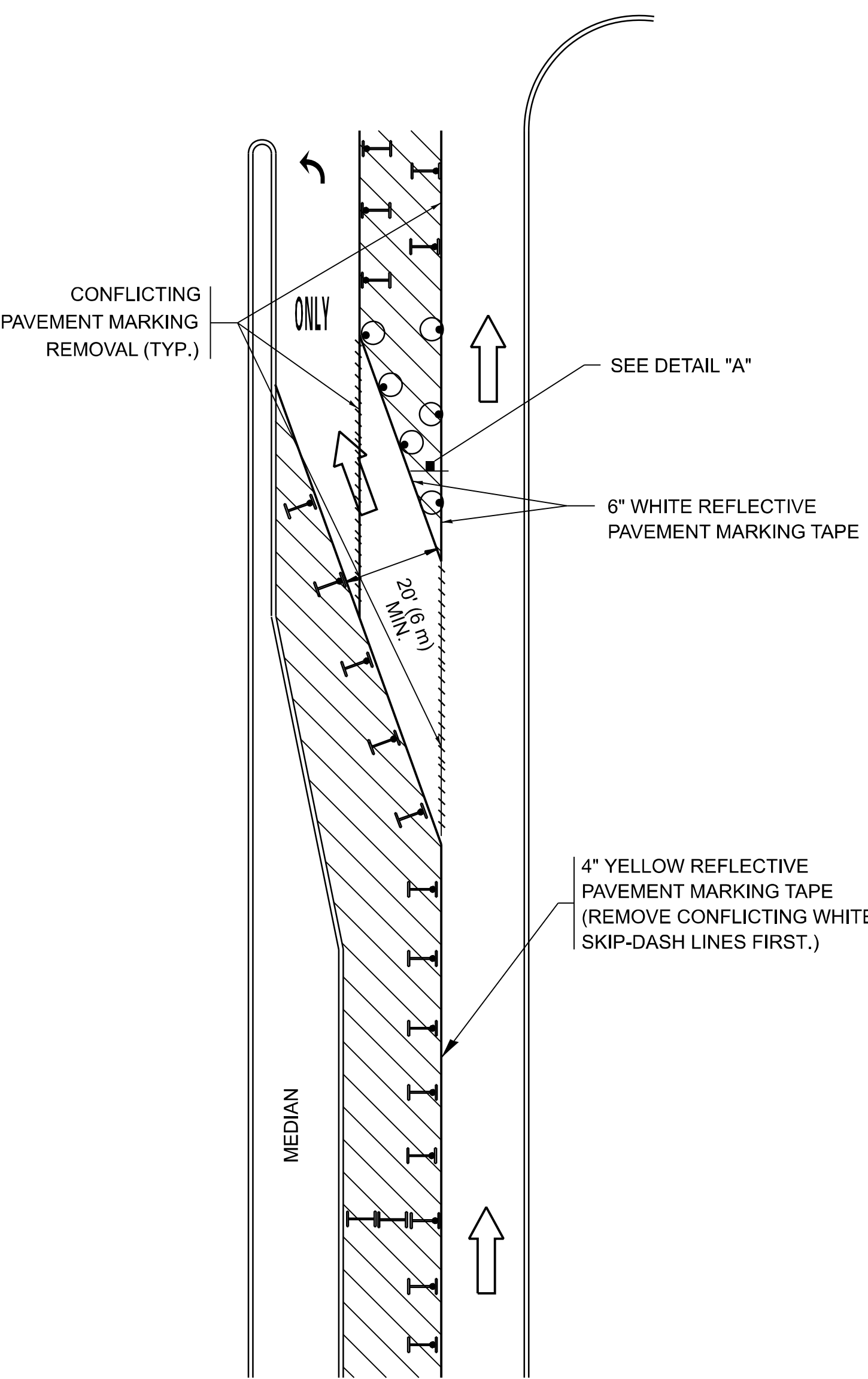
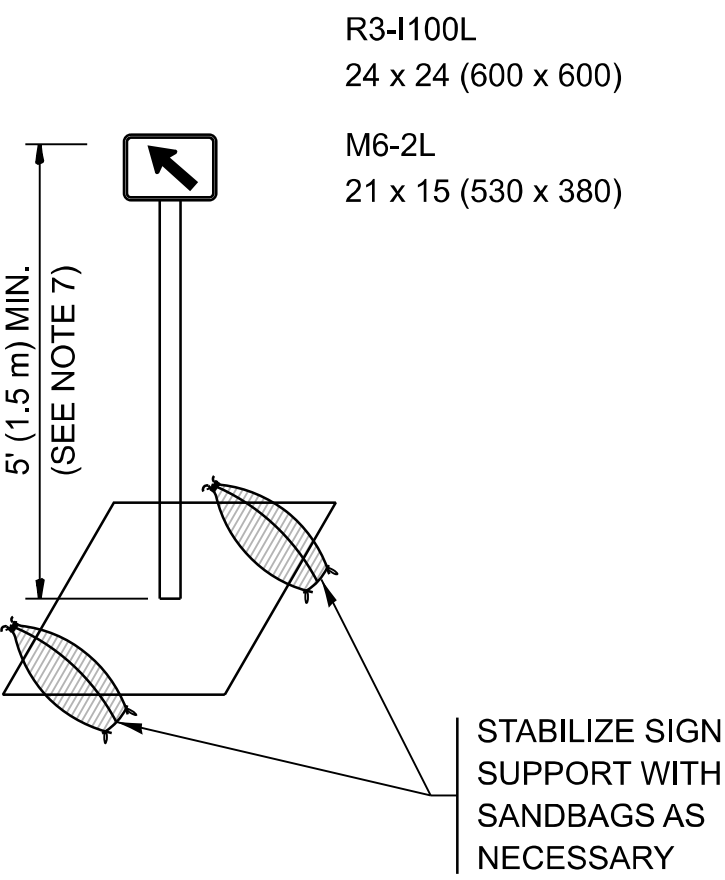


FIGURE 2



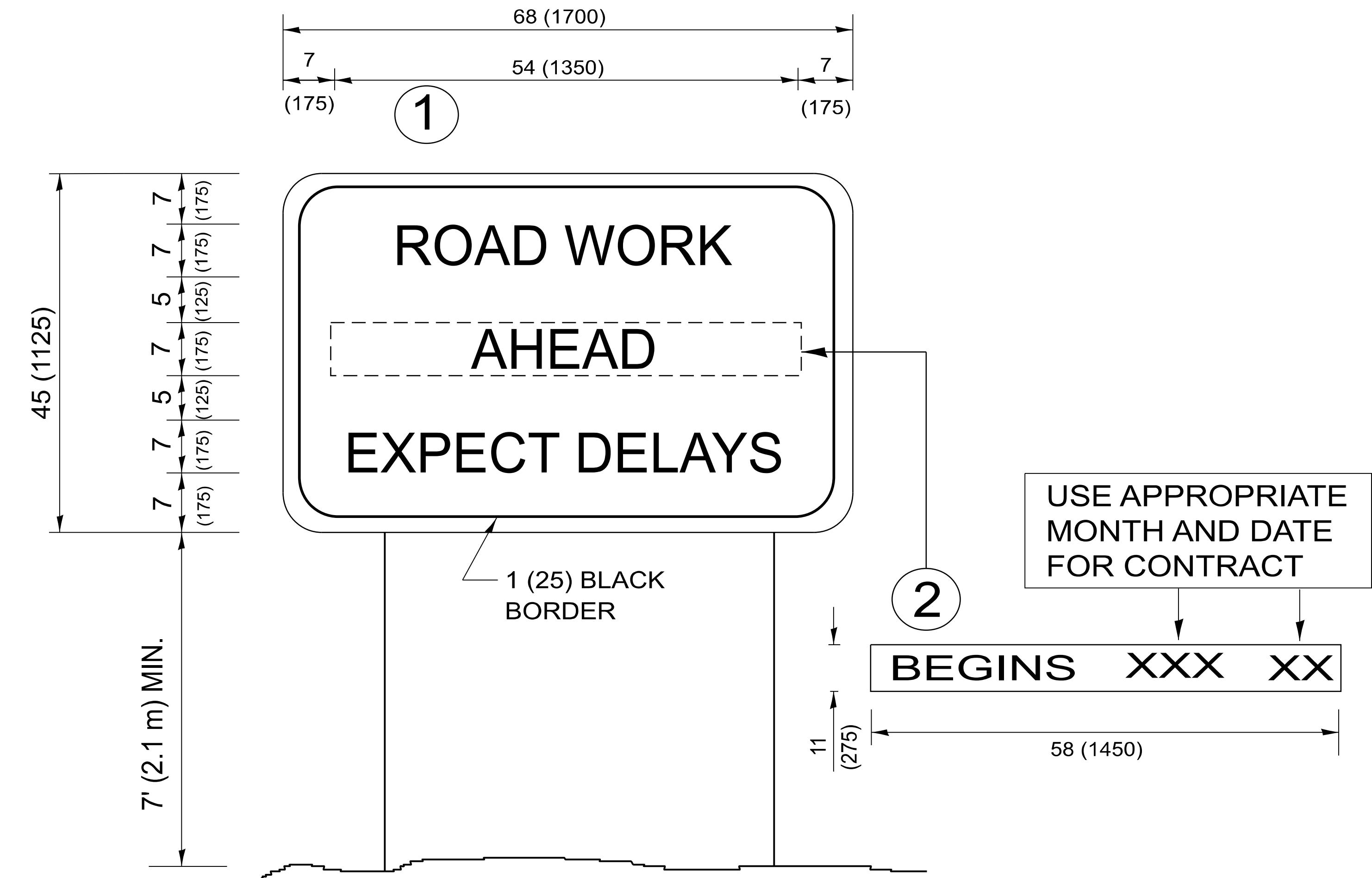
DETAIL A

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

MODEL: TC-16 (Sheet)
FILE NAME: c:\p\work\p\work\illinois.gov\justin.king@illinois.gov\1095500D102024-shf-DistStd.dgn

PLOT DATE = 8/19/2026	USER NAME = justin.king	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13					348	FAP 0348/1332 23 RES	COOK	43	34
		CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		TC-14			CONTRACT NO. 62V42				
		DATE - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

MODEL: TC-22 [Sheet]
FILE NAME: c:\p\work\pavinfo\illinois.gov\illinois.gov\1095500D102024-shl-DistStd.dgn

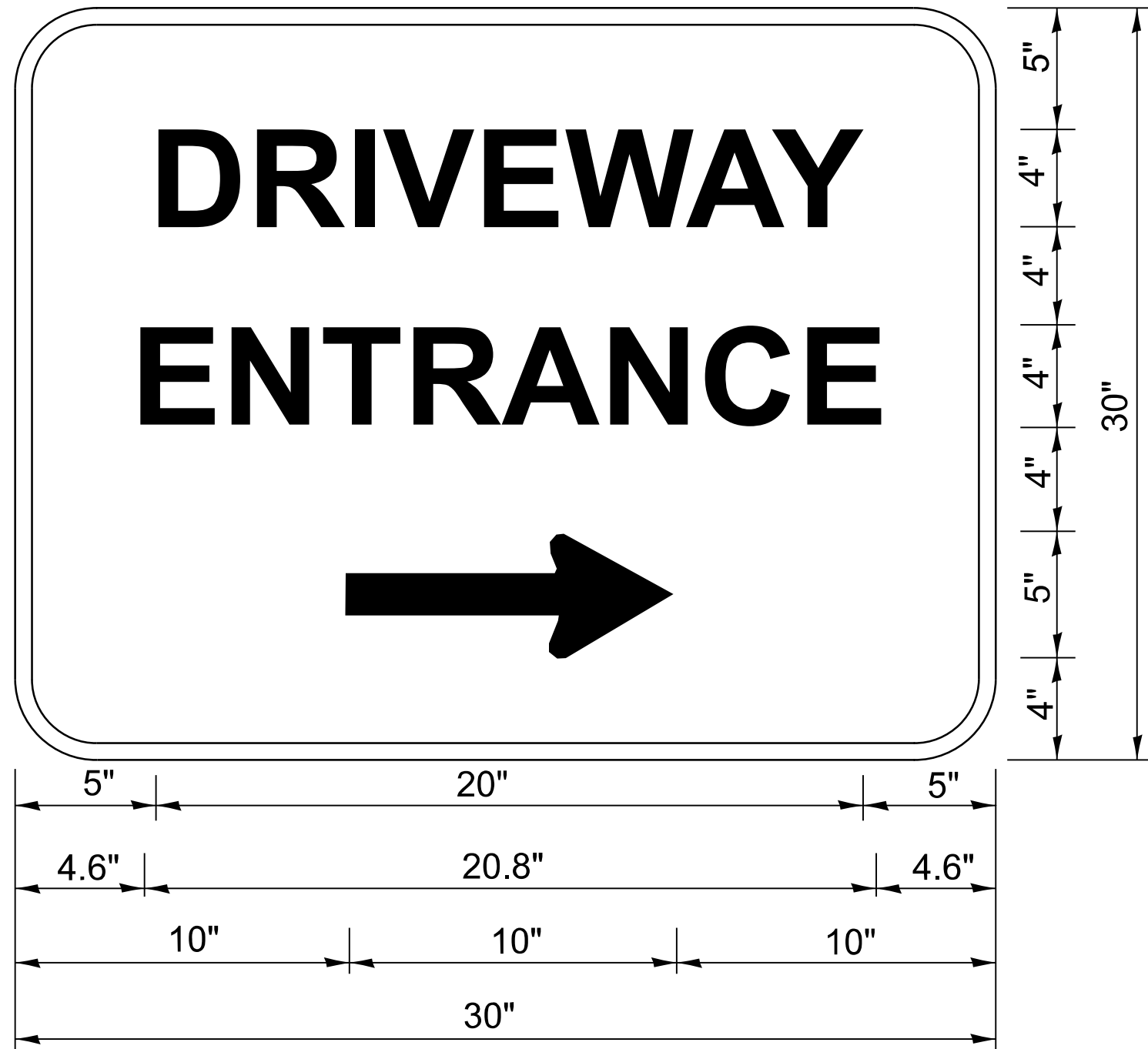


NOTES:

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 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	= justin.king	DESIGNED	-		REVISED	-	R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN					F.A.P RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
			DRAWN	-			REVISED	-							R. MIRS 12-11-97	348	FAP 0348/1332 23 RES		COOK	43	35
			CHECKED	-			REVISED	-							T. RAMMACHER 02-02-99	TC-22		CONTRACT NO. 62V42			
	PLOT DATE	= 8/19/2026	DATE	-		REVISED	-	C. JUCIUS 01-31-07							SCALE: NONE		SHEET 1	OF 1	SHEETS	STA.	TO STA.



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

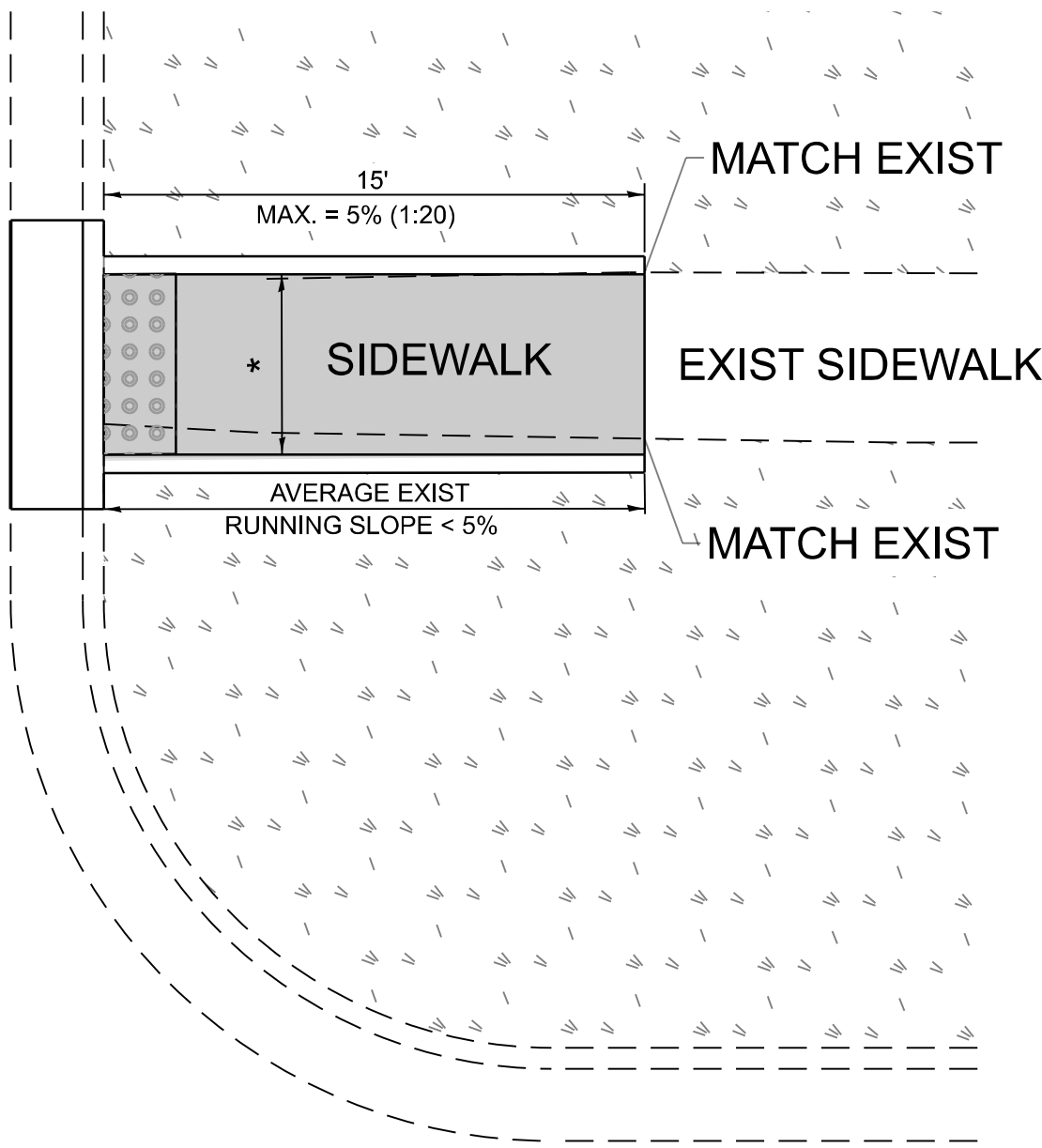
- NOTES:**
1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
 2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN)
SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
FAR LEFT SIDE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

MODEL: TC-26 [Sheet]
FILE NAME: c:\p\work\pwid\illinois.gov\justin.king@illinois.gov\1095500D102024-shl-DistStd.sgn

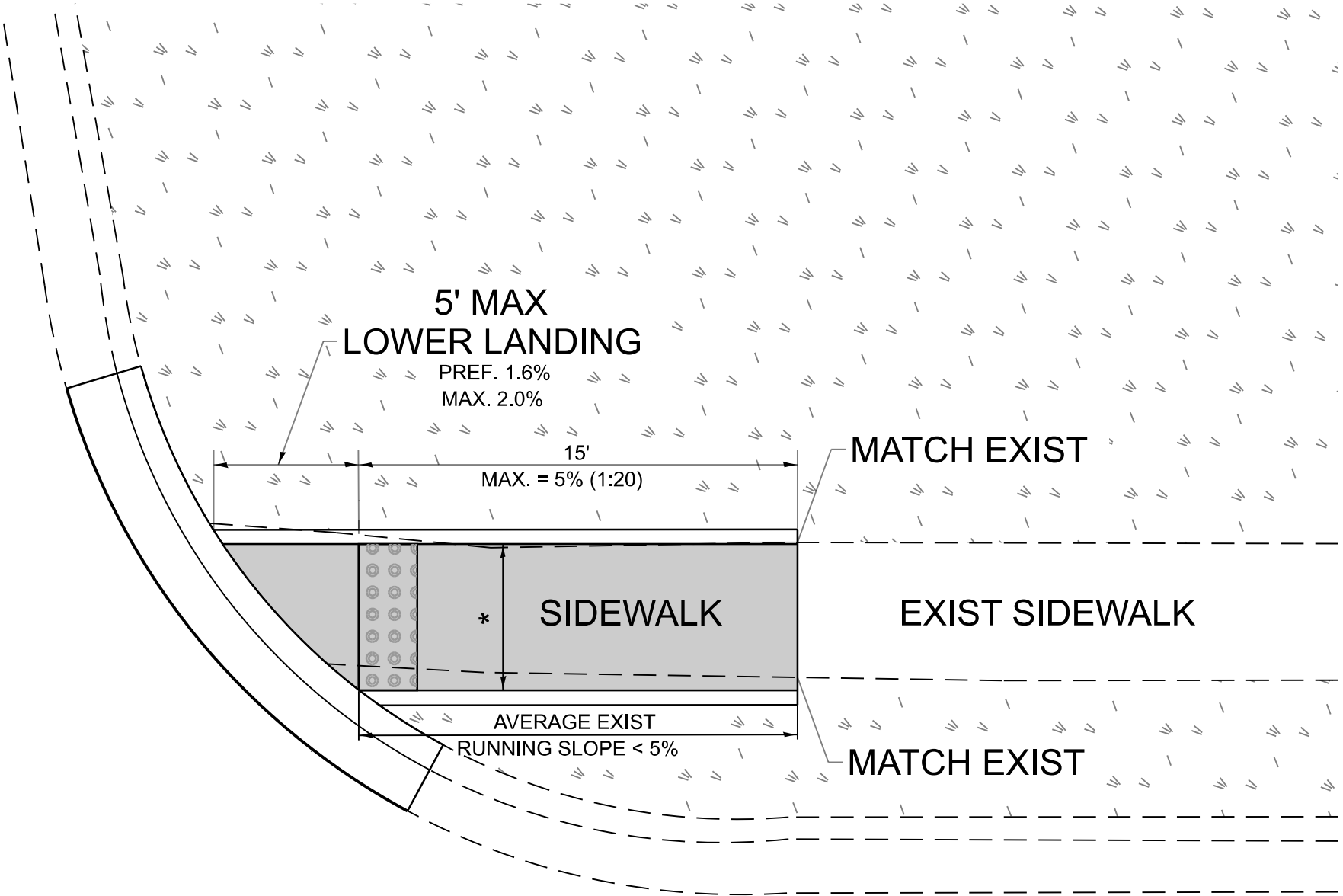
	USER NAME = justin.king	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		348	FAP 0348/1332 23 RES	COOK	43	36					
		CHECKED -	REVISED -		TC-26					CONTRACT NO. 62V42				
	PLOT DATE = 8/19/2026	DATE -	REVISED -		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT		

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

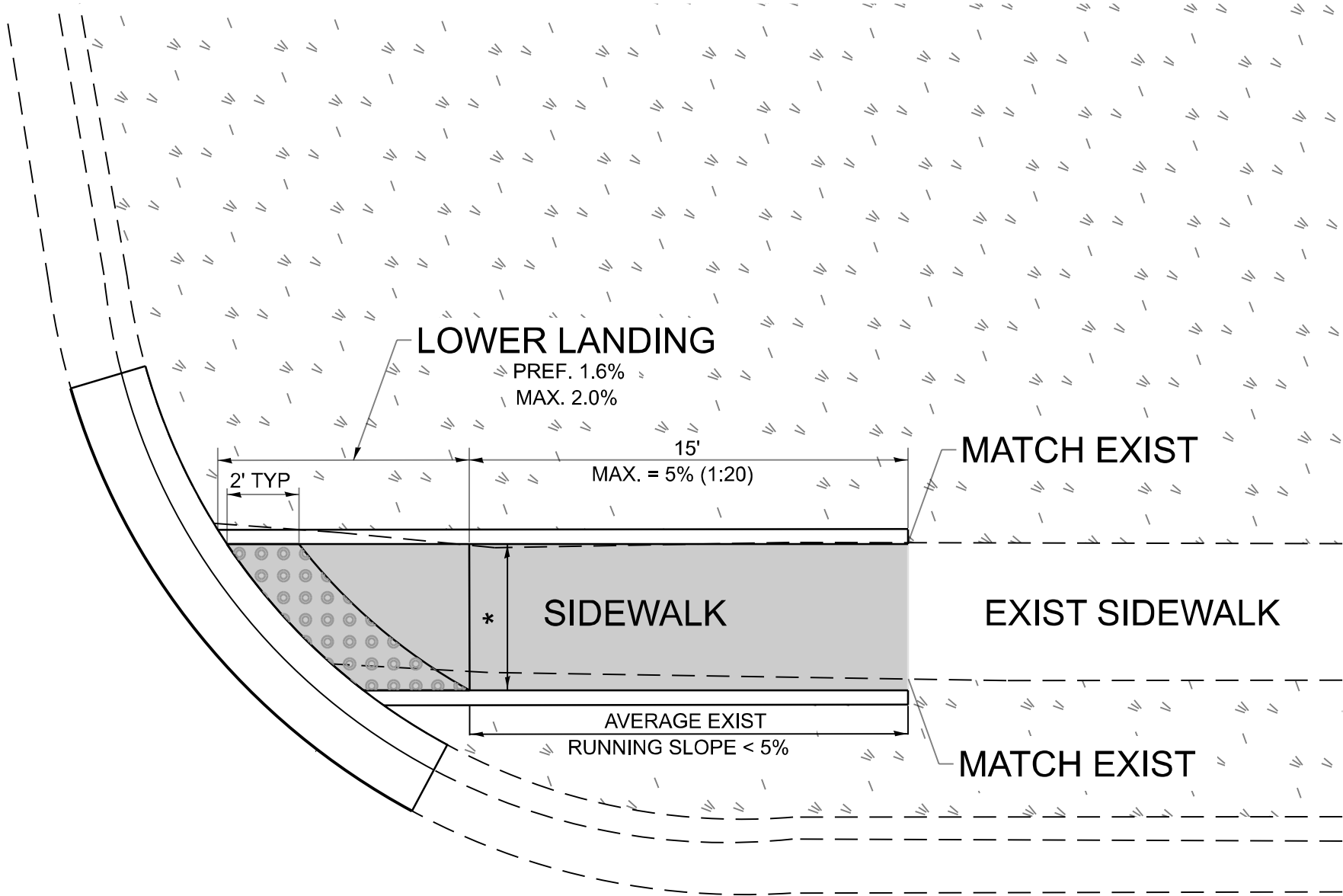
PD-01A



PD-01B



PD-01C



LEGEND

- EXIST. GRASS
- PROPOSED 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

MODEL: PD-01 [Sheet]
FILE NAME: c:\p\work\pawid\illinois.gov\id\1095500D\102024-shi-DistSds.dgn

USER NAME	* justin.king	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

R. LEDEZMA

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

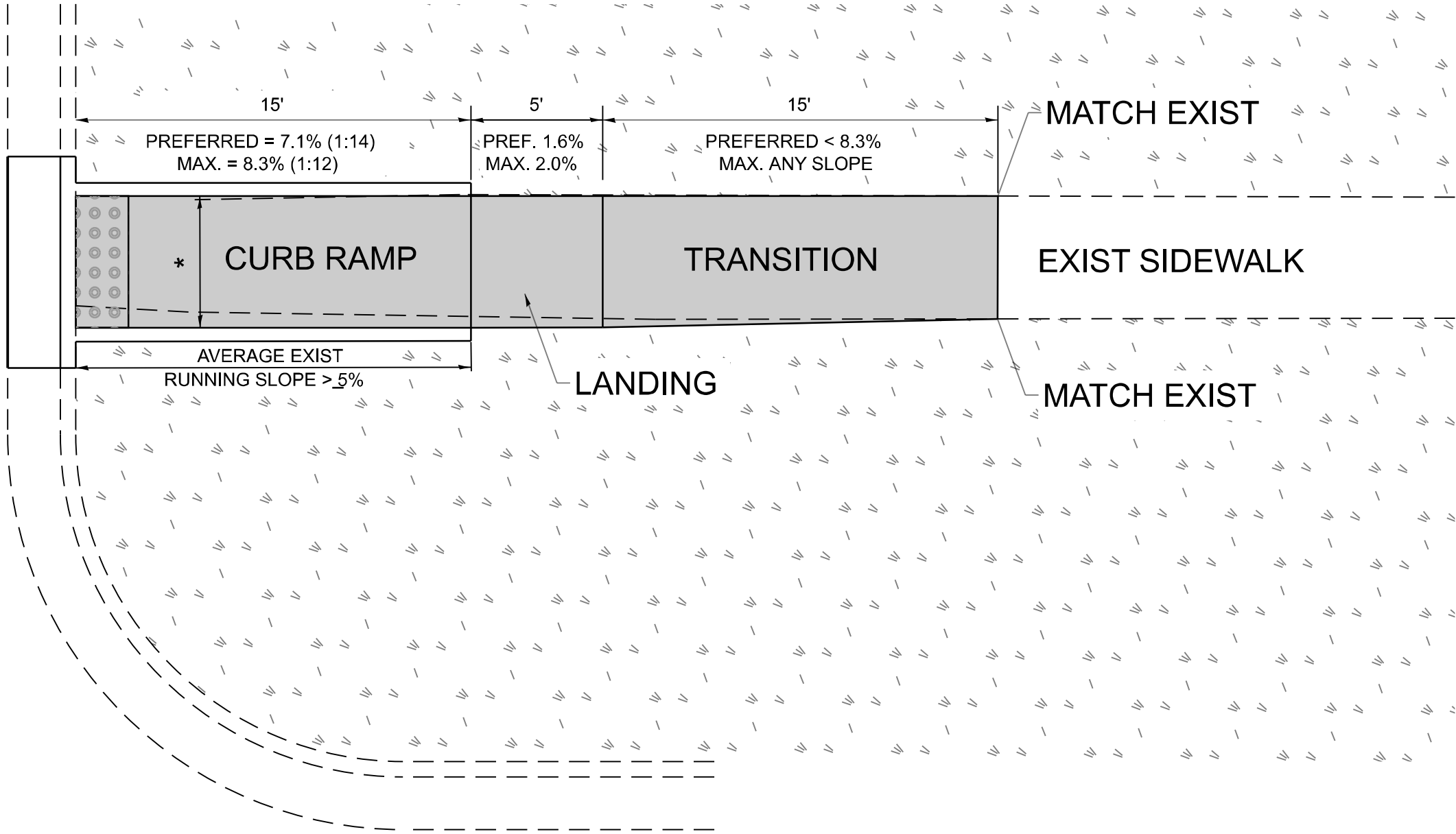
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)

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

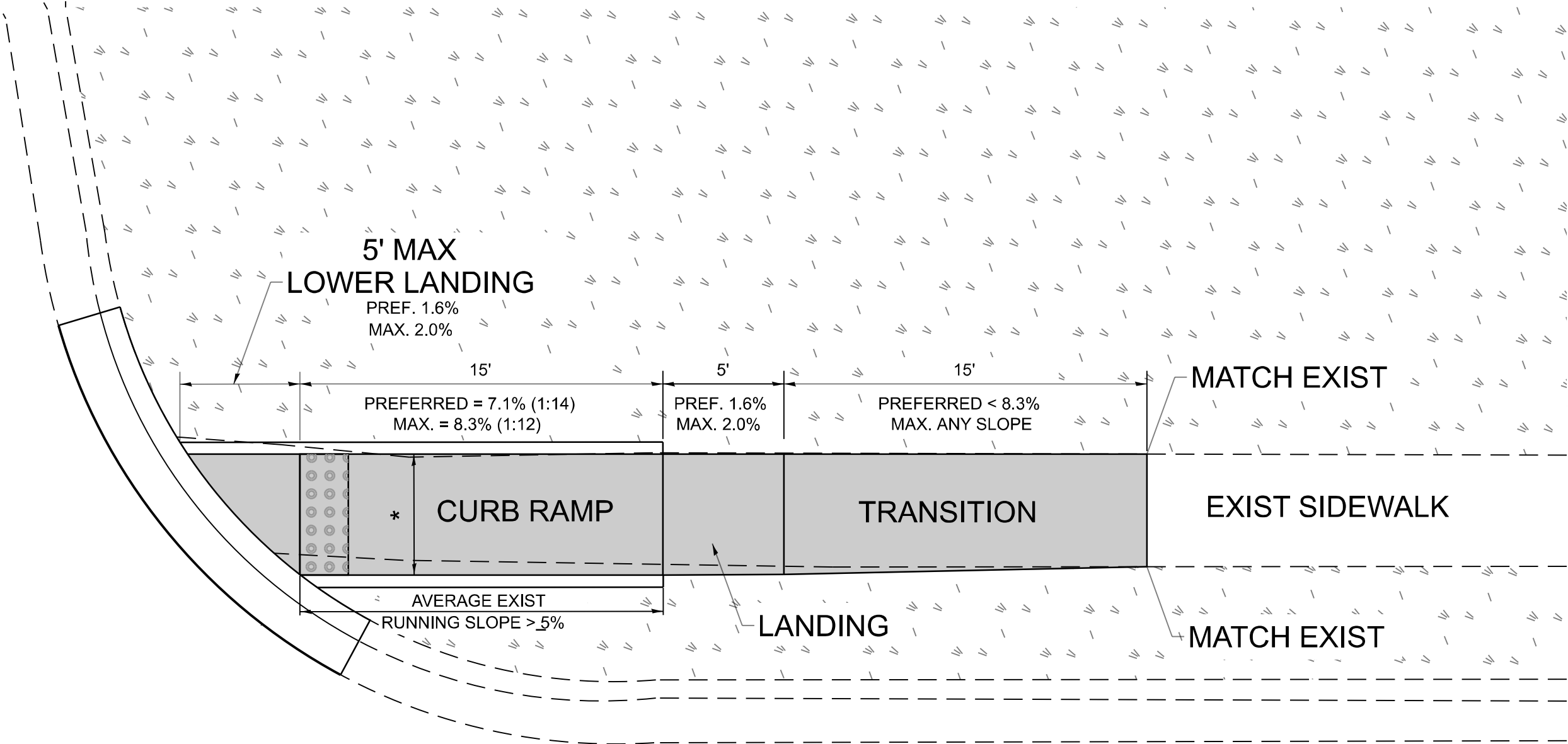
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	37
PD-01		CONTRACT NO. 62V42		
		ILLINOIS	FED. AID PROJECT	

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

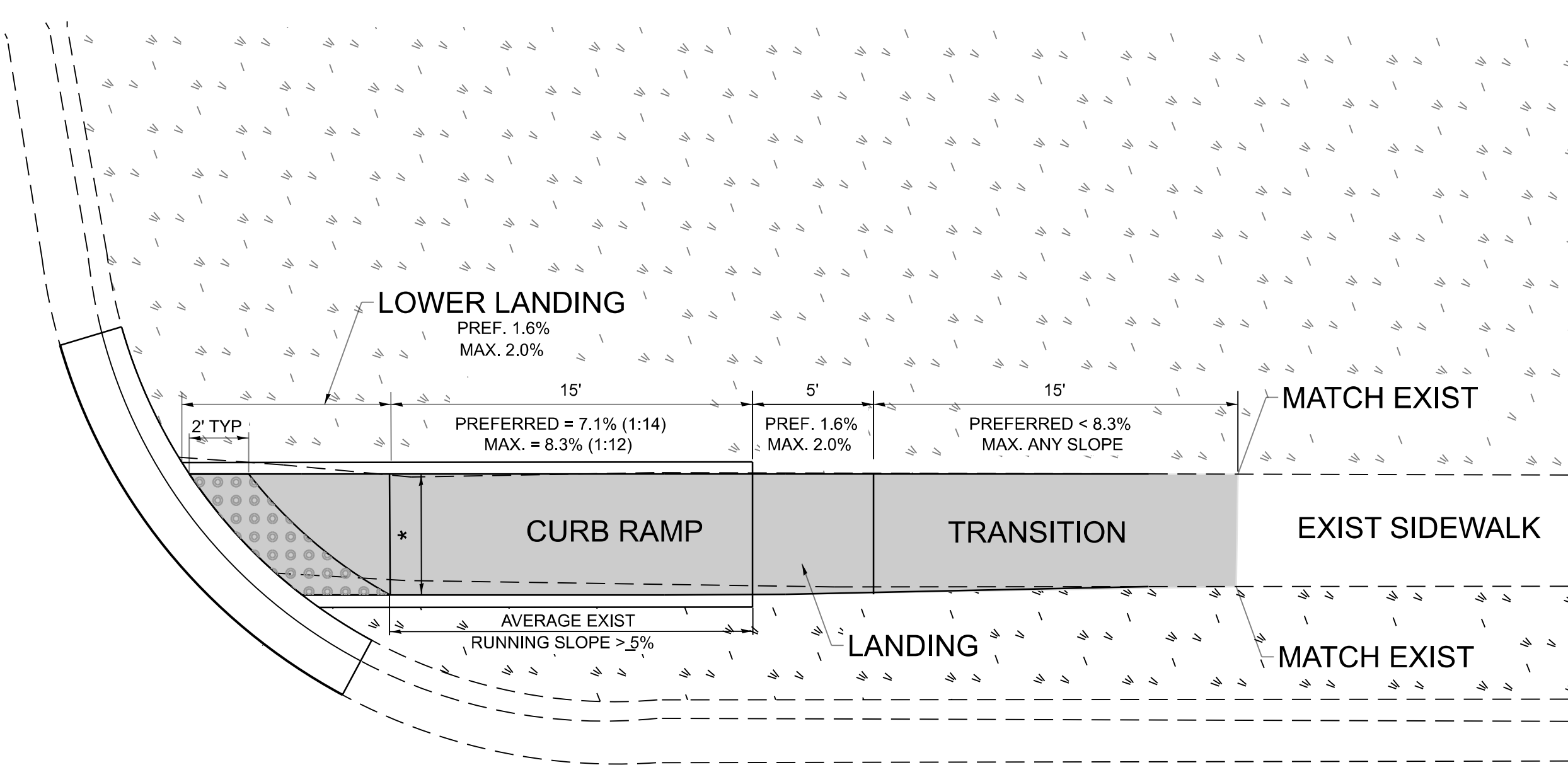
PD-02A



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

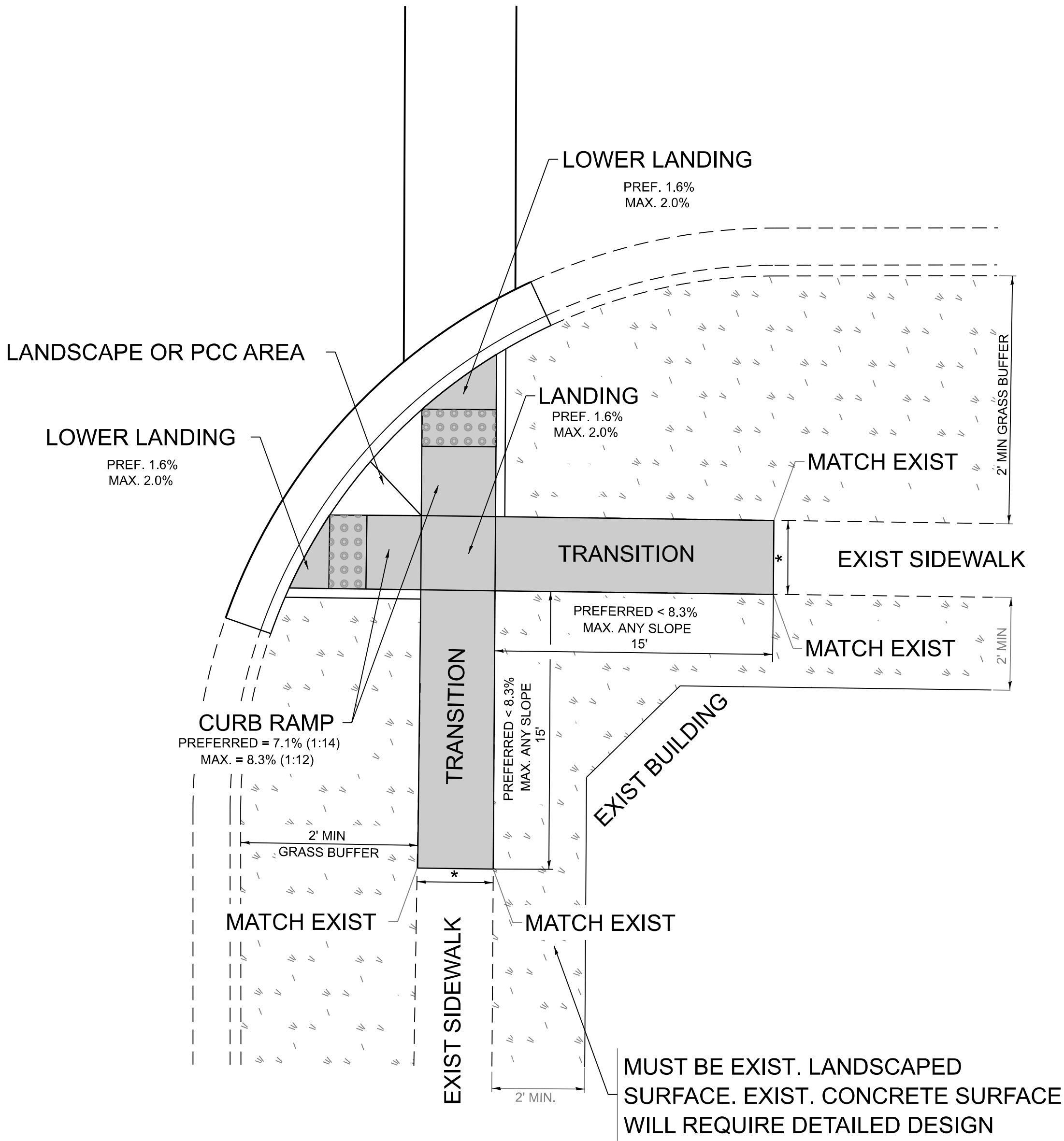
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	38
PD-02		CONTRACT NO. 62V42		
		ILLINOIS	FED. AID PROJECT	

FAU 1332

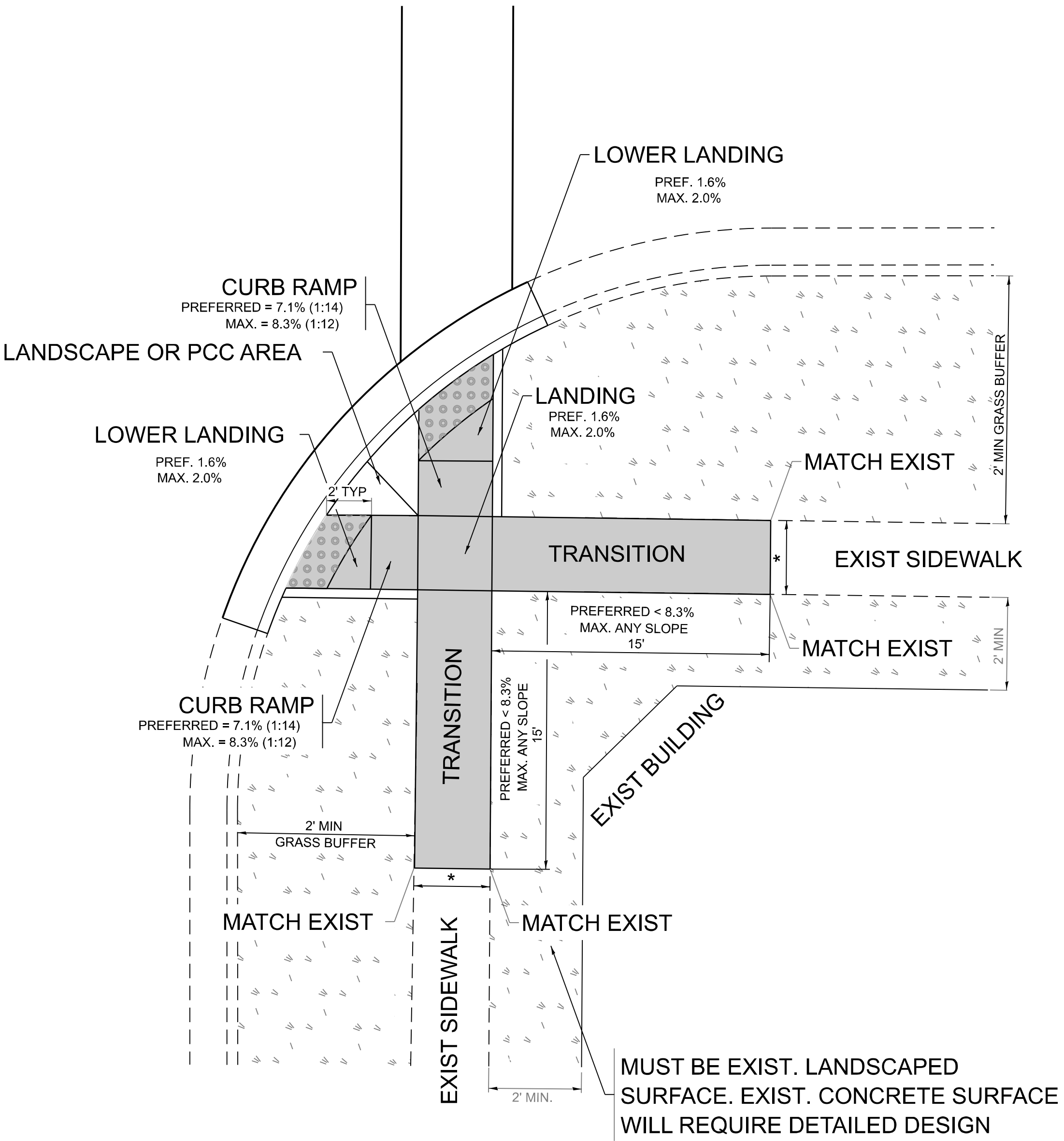
MODEL: PD-02 [Sheet]
FILE NAME: c:\pawork\pawork\illinois.gov\justin.king@illinois.gov\1095500D102024-shi-DistStd.dgn

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A

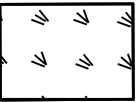


PD-03B



LEGEND

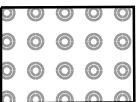
PROPOSED SIDE CURB



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

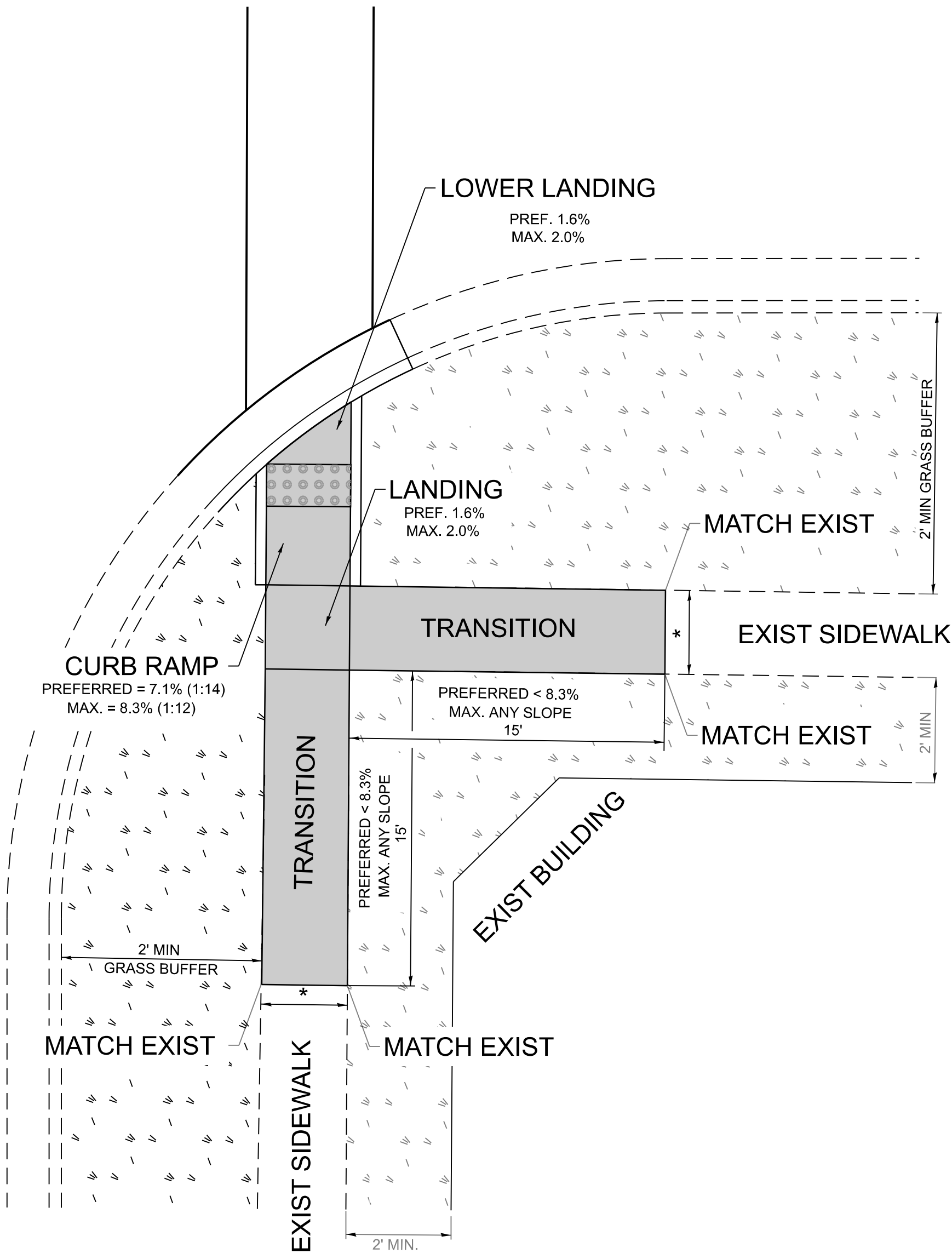
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	39
PD-03		CONTRACT NO. 62V42		
		ILLINOIS	FED. AID PROJECT	

FAU 1332

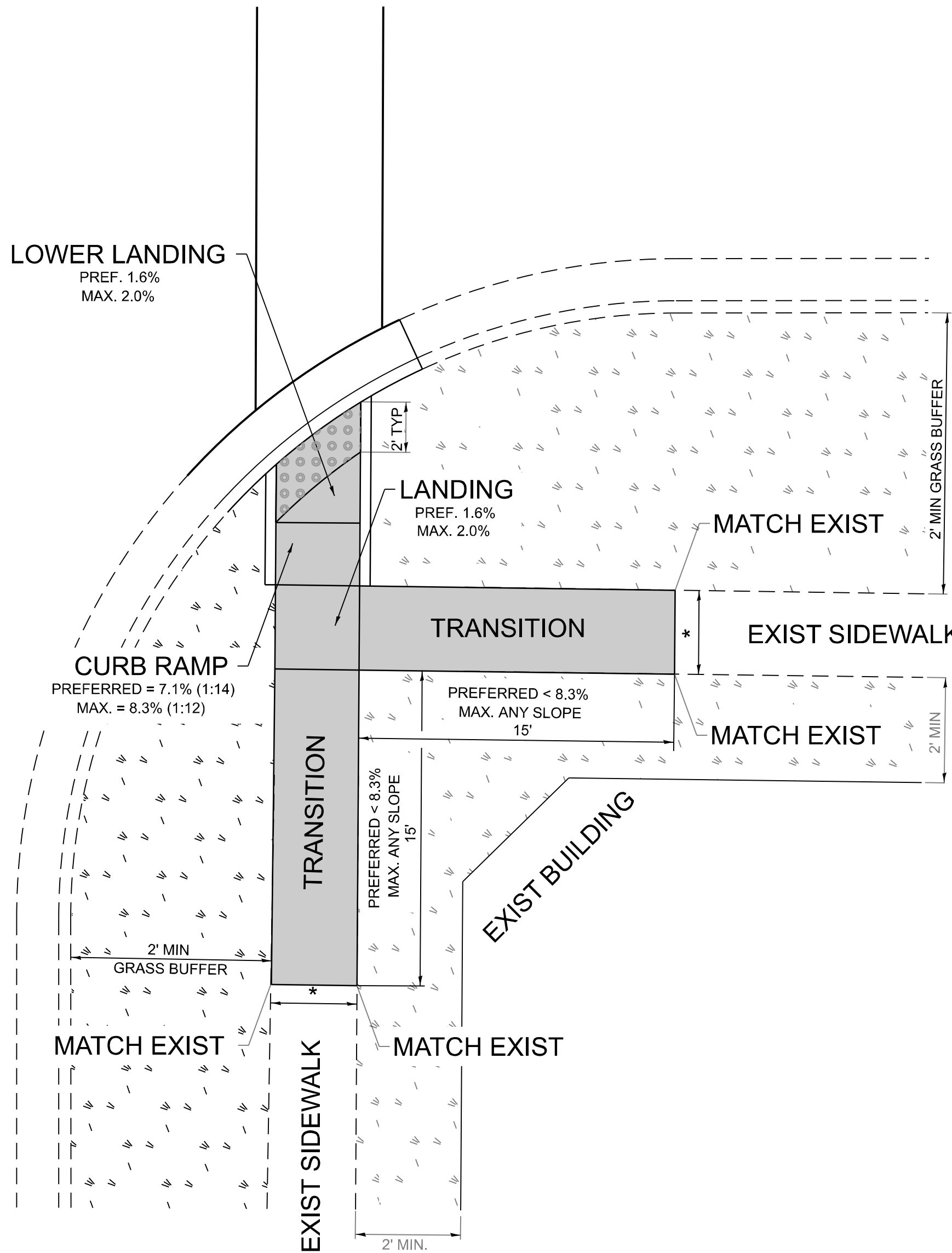
MODEL: PD-03 [Sheet]
FILE NAME: c:\pawork\pawork\illinois.gov\justin.king@illinois.gov\1095500D102024-shl-DistStd.dgn

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A

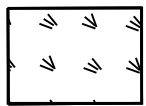


PD-04B



LEGEND

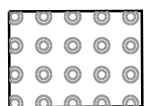
PROPOSED SIDE CURB



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

MODEL: PD-04 [Sheet]
FILE NAME: c:\p\work\pawid\illinois.gov\illinois.gov\d1095500D102024-sh1-DistStd.dgn

USER NAME	= justin.king	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

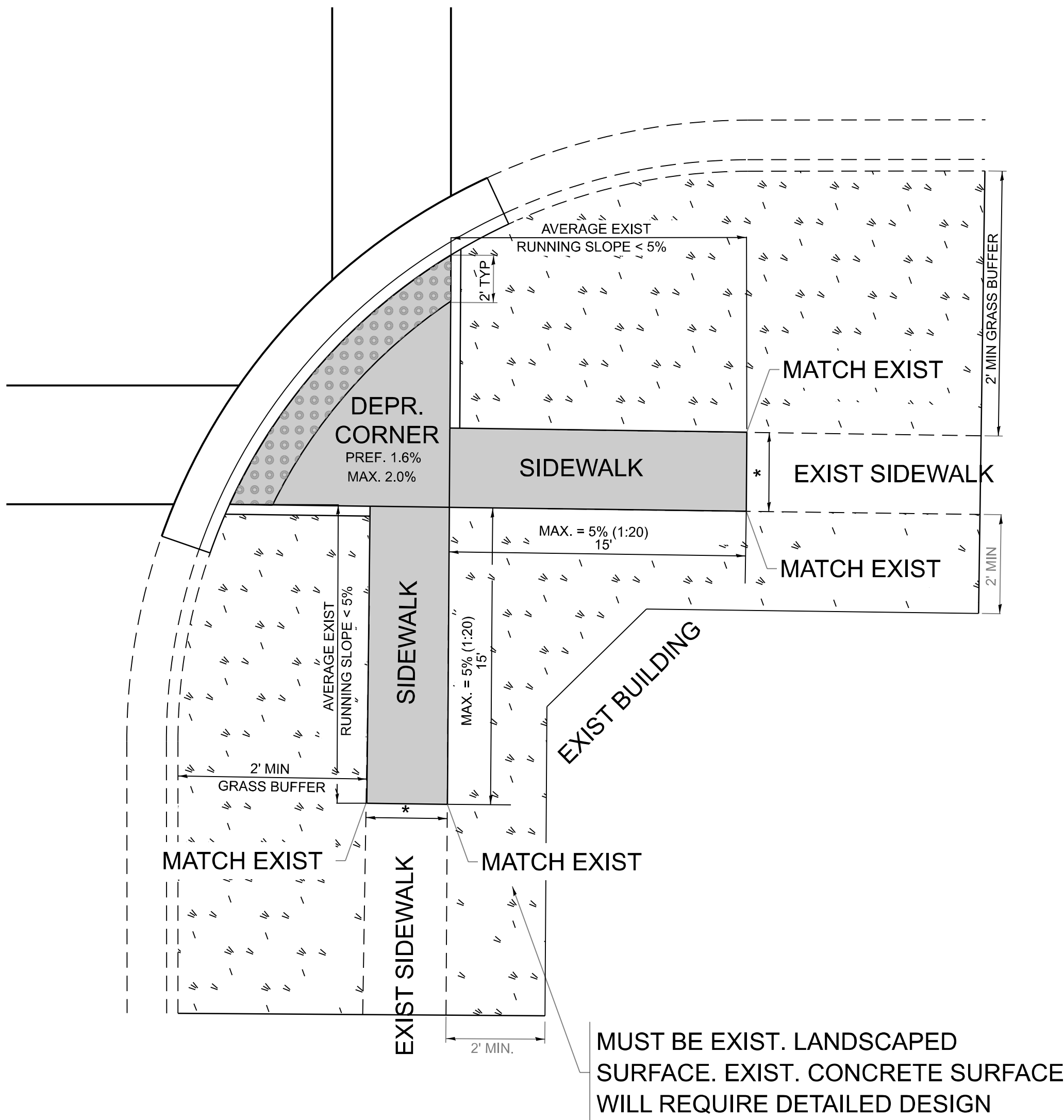
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	40
PD-04		CONTRACT NO. 62V42		
		ILLINOIS	FED. AID PROJECT	

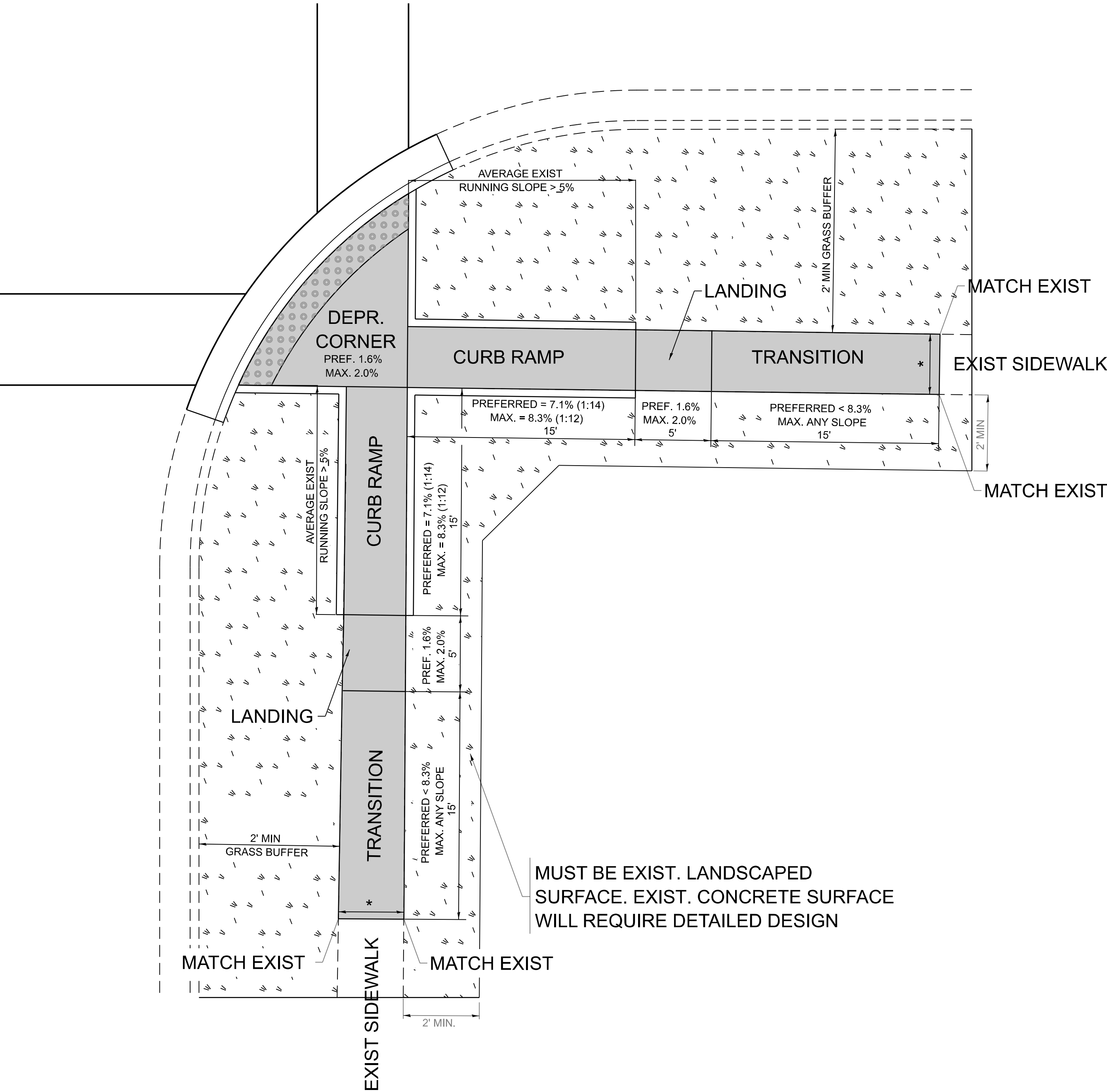
FAU 1332

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



LEGEND

PROPOSED SIDE CURB

- EXIST. GRASS
- 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

MODEL: PD-05 (Sheet)
FILE NAME: c:\pawork\pawork\illinois.gov\justin.king@illinois.gov\1095500D102024-shl-DistSds.dgn

USER NAME	* justin.king	DESIGNED	- R. LEDEZMA	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

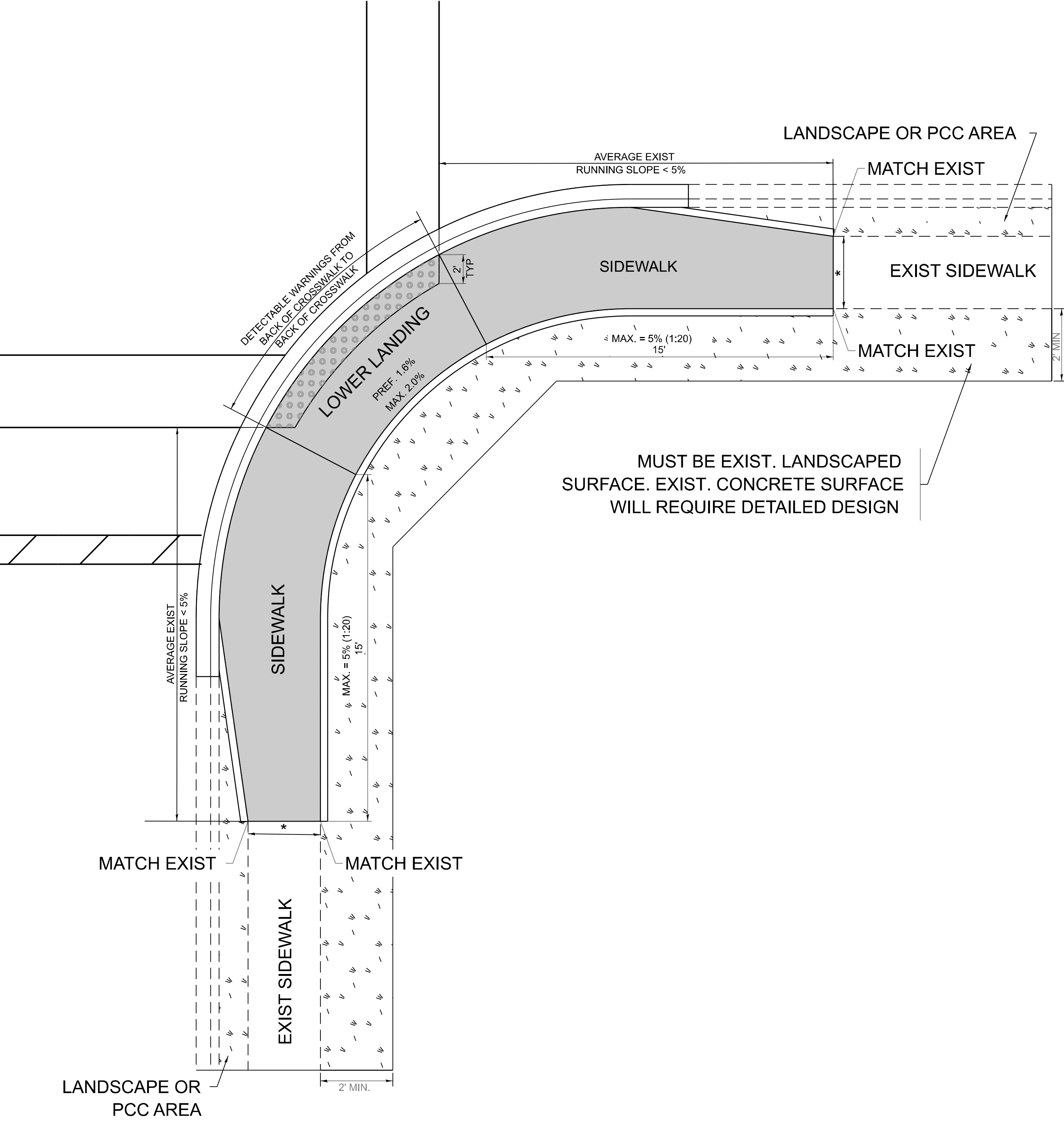
PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS
(PD-05)

SCALE: NONE 1 1 TO STA. SHEET OF SHEETS

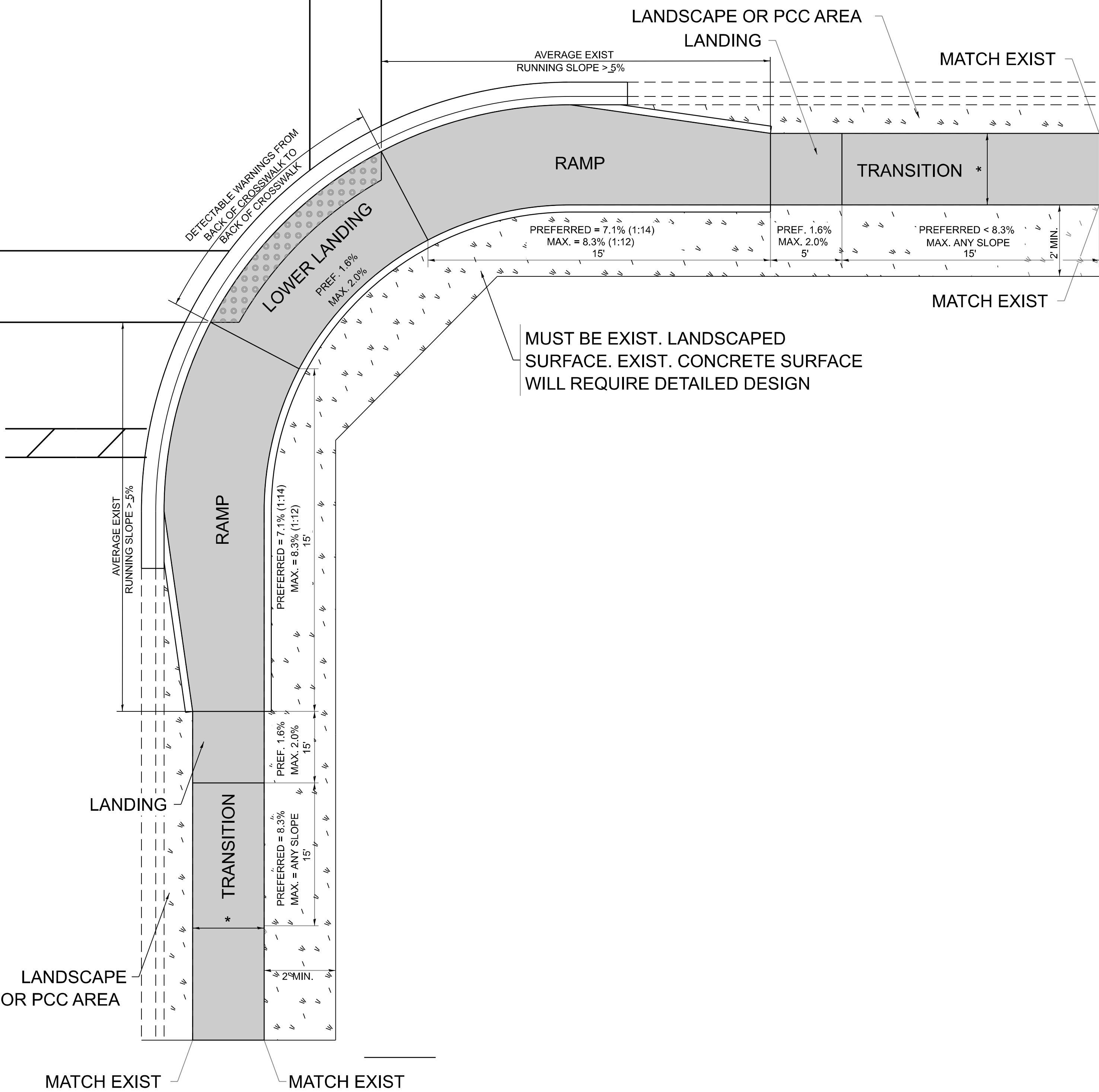
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332-23 RES	COOK	43	41
CONTRACT NO. 62V42				
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

PD-06A



PD-06B



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

MODEL: PD-06 (Sheet)
FILE NAME: c:\pawork\pawork\illinois.gov\justin.king@illinois.gov\1095500D102024-shl-DistSids.dgn

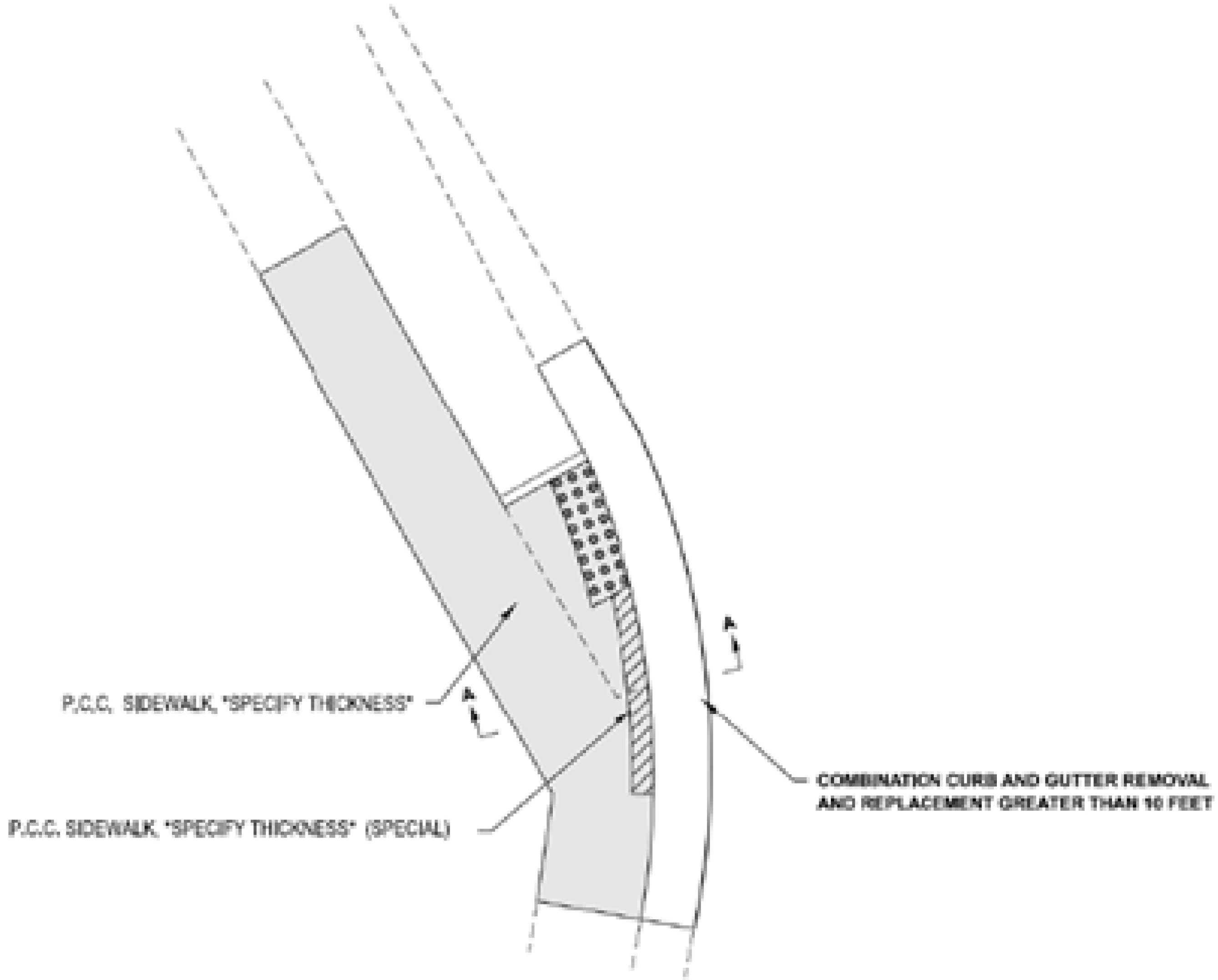
USER NAME	* justin.king	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

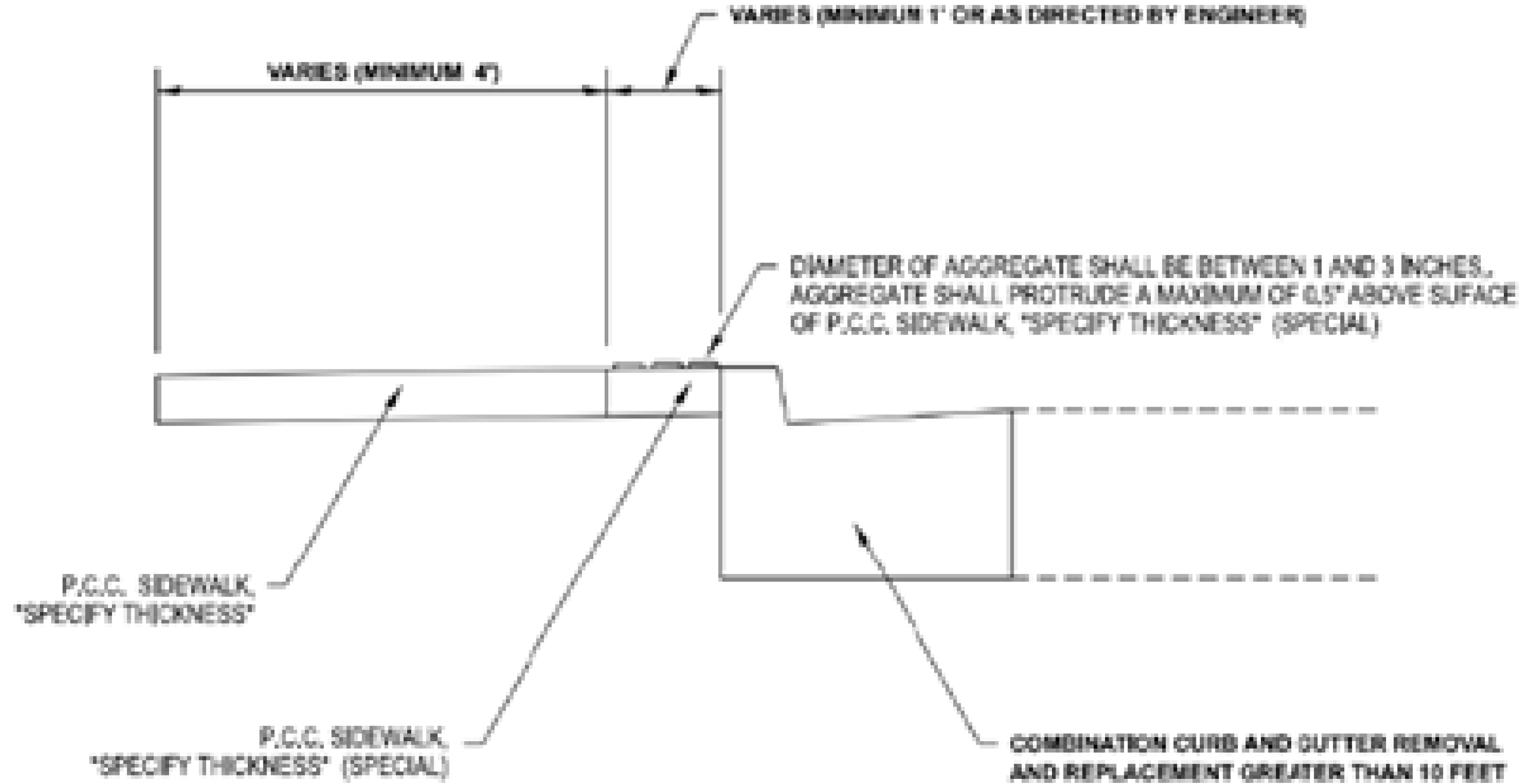
PROJECT DETAIL FOR PARALLEL CURB RAMPS
(PD-06)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	42
PD-06		CONTRACT NO. 62V42		
		ILLINOIS FED. AID PROJECT		



TYPICAL PLAN FOR PORTLAND CEMENT CONCRETE SIDEWALK, SPECIAL (THICKNESS SPECIFIED)



SECTION A-A

MODEL: PCC SIDEWALK SPECIAL [Sheet]
FILE NAME: c:\p\work\pwwd\illinois.gov\justin.king@illinois.gov\1095500D102024-shl-DistSds.dgn

	USER NAME	= justin.king	DESIGNED	-	REVISED	-
			DRAWN	-	REVISED	-
			CHECKED	-	REVISED	-
	PLOT DATE	= 8/19/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL FOR PCC SIDEWALK 5 OR 8 INCH (SPECIAL)
NON-PREPARED SURFACE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	FAP 0348/1332 23 RES	COOK	43	43
CONTRACT NO. 62V42				
ILLINOIS FED. AID PROJECT				