09-18-2026 LETTING ITEM 009

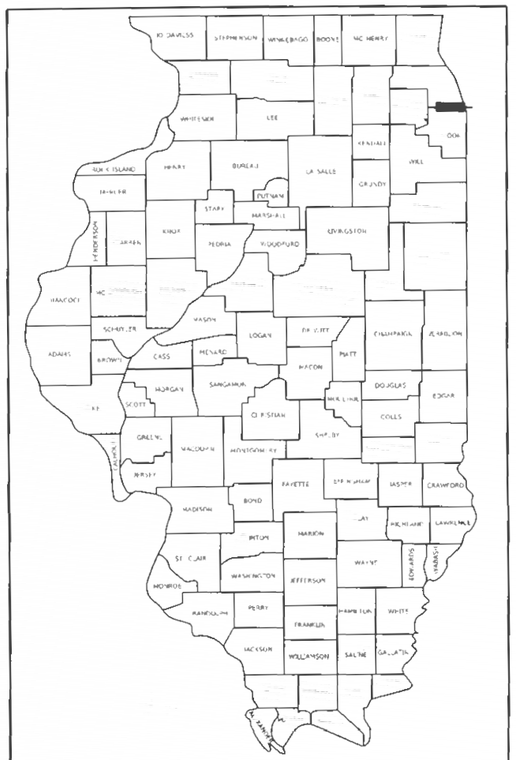
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
477	2024-1043-RS	COOK	69	1
	ILLINOIS	CONTRACT NO. 62X84		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAU ROUTE 1477: PERSHING ROAD
US–34 (OGDEN AVENUE) TO WEST OF CENTRAL AVENUE
SECTION: 2024–1043–RS
PROJECT: STP–FZ1C(813)
STANDARD OVERLAY, ADA IMPROVEMENTS
COOK COUNTY
C–91–110–25

D-91-075-25



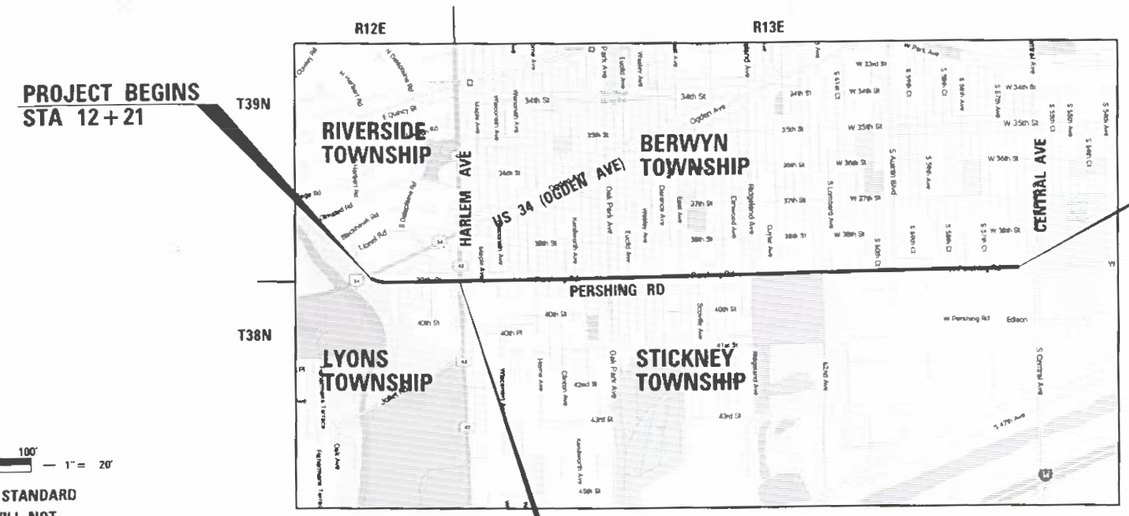
LOCATION OF SECTION INDICATED THUS: –

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

THIS PROJECT IS LOCATED IN THE VILLAGES OF LYONS & STICKNEY, CITY OF BERWYN, TOWN OF CICERO

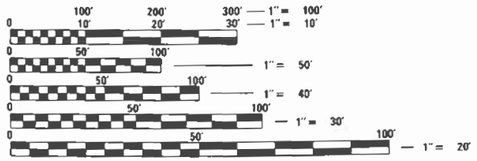
TRAFFIC DATA

2022 ADT = 12,900 – 24,200 VPD
POSTED SPEED LIMIT = 30 – 35 MPH
MINOR ARTERIAL



OMISSION AT HARLEM AVE
27+29 TO 29+47

GROSS LENGTH = 12,021 FT. = 2.28 MILE
NET LENGTH = 11,844 FT. = 2.24 MILE



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

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

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

CONTRACT NO. 62X84

LICENSED PROFESSIONAL ENGINEER
ALEXANDER CARL LANE
062-063261
OF ILLINOIS

ALEXANDER CARL LANE, P.E.
IL. LIC. NO. 062–063261
EXP: 11/30/2025
DATE: 8/13/2025

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9564 F 312.427.9564 www.infrast-eng.com

CONTACT: ALEXANDER LANE (312) 477–0620

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 8th 2025

REGIONAL ENGINEER

August 15 2025

ENGINEER OF DESIGN AND ENVIRONMENT

August 15 2025

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

STANDARD NO.	DRAWING NAME
000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
442201-04	CLASS C AND D PATCHES
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RASIED REFELCTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

1. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION AND ORDERING MATERIALS.
3. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
4. THE RESIDENT ENGINEER SHALL CONTACT ABDULLA ALI, AREA TRAFFIC FIELD ENGINEER, AT ABDULLA.ALI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
5. 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.
6. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
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.
8. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
9. 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.
10. 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.
11. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
12. 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.
13. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
14. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
15. 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 RESIDENT ENGINEER OR AS PROVIDED IN THE CONTRACT SPECIFICATIONS.
16. 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.

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = NTS	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
PERSHING RD (OGDEN AVE TO CENTRAL AVE)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	2
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

			URBAN	CONSTRUCTION CODE			
				0005 ROADWAY		0021 TRAFFIC SIGNAL	
PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE	
20200100	EARTH EXCAVATION	CU YD	155	155			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	556	556			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	13.1	13.1			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	13.1	13.1			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	13.1	13.1			
25200110	SODDING, SALT TOLERANT	SQ YD	556	556			
25200200	SUPPLEMENTAL WATERING	UNIT	28	28			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	156	156			
35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	21	21			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	61,354	61,354			
40600370	LONGITUDINAL JOINT SEALANT	FOOT	71,961	71,961			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	137	137			
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	790	790			
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	4,996	4,996			
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	8,902	8,902			
42001300	PROTECTIVE COAT	SQ YD	2,580	2,580			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	17,512	17,512			
42400800	DETECTABLE WARNINGS	SQ FT	1,381	1,381			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,903	1,903			
44000600	SIDEWALK REMOVAL	SQ FT	17,117	17,117			
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	78	78			
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	2,079	2,079			
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	543	543			

				URBAN	CONSTRUCTION CODE			
					0005 ROADWAY		0021 TRAFFIC SIGNAL	
	PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE	
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	1,430	1,430			
	56109210	WATER VALVES TO BE ADJUSTED	EACH	4	4			
	60255500	MANHOLES TO BE ADJUSTED	EACH	9	9			
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	5	5			
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	6	6			
	60404950	FRAMES AND GRATES, TYPE 24	EACH	7	7			
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	27	27			
	60406001	FRAMES AND LIDS, TYPE 1,ADA COMPLIANT, OPEN LID	EACH	2	2			
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	13	13			
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	155	155			
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3			
*	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	3	3			
	67100100	MOBILIZATION	L SUM	1	1			
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1			
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	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			
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	107,105	107,105			
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	35,702	35,702			
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	2,649	2,649			
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	104,780	104,780			

* = SPECIALTY ITEM

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = NTS	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
PERSHING RD (OGDEN AVE TO CENTRAL AVE)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	3
		CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	

REV-SEP

				CONSTRUCTION CODE			
			URBAN	0005 ROADWAY		0021 TRAFFIC SIGNAL	
PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE	
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	39,033	39,033			
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	20,270	20,270			
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	2,157	2,157			
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	66,058	66,058			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	883	883			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	34,927	34,927			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	13,011	13,011			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	6,757	6,757			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	719	719			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	937	937			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	937	937			
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	239			239	
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4			4	
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	4,660			4,660	
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,153			2,153	
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	180			180	
* 87900200	DRILL EXISTING HANDHOLE	EACH	18			18	
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14			14	
* 89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1			1	
* 89502200	MODIFY EXISTING CONTROLLER	EACH	4			4	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,666			1,666	
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4			4	
* 89502376	REBUILD EXISTING HANDHOLE	EACH	6			6	
K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1	1			

* = SPECIALTY ITEM

				CONSTRUCTION CODE			
			URBAN	0005 ROADWAY		0021 TRAFFIC SIGNAL	
PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE	
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1			
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1			1	
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	17			17	
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	17,106	17,106			
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	225	225			
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	1,678	1,678			
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2,160		2,160		
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	151	151			
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12			
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	498	498			
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	32			32	
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	72			72	
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	2,677			2,677	
* Z0001110	GAS VALVE TO BE ADJUSTED	EACH	4	4			
* Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	144		144		
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	4			4	
Ø Z0076600	**TRAINEES**	HOUR	500	500			
Ø Z0076604	**TRAINEES - TRAINING PROGRAM GRADUATE**	HOUR	500	500			

Ø 0042

MODEL: Default
FILE NAME: \\CHI-SVR1\Projects\CHI\P-22\22-4975-00 IDOT Various Phase 2 (PTB 208-022)\WO 27 62X84\DGN\CADD Sheets\62X84-sht-soq-02.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = NTS	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

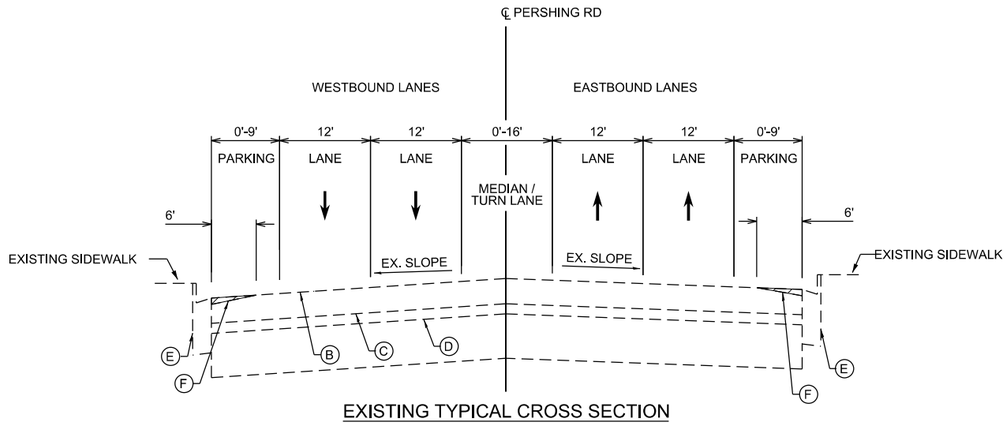
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
PERSHING RD (OGDEN AVE TO CENTRAL AVE)

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

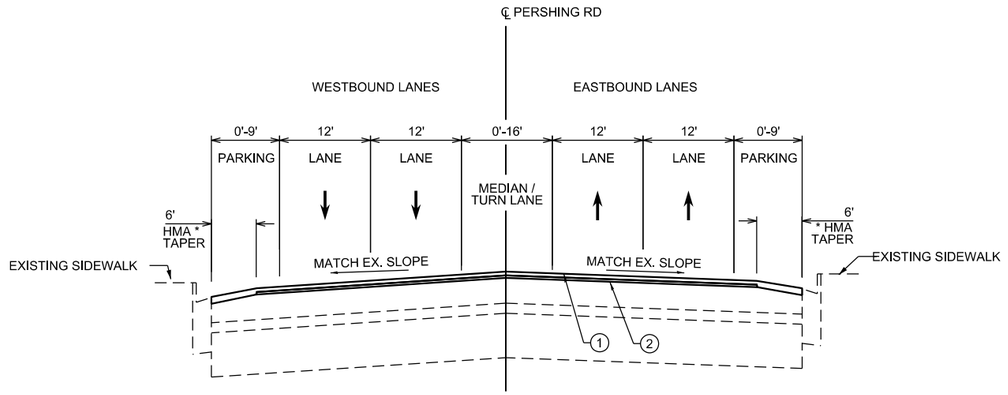
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	4
		CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	

REV-SEP



EXISTING TYPICAL CROSS SECTION

HMA OVERLAY
STA 12+21 TO STA 132+42
OMISSION FROM 27+29 TO 29+47



PROPOSED TYPICAL CROSS SECTION

HMA OVERLAY
STA 12+21 TO STA 132+42
OMISSION FROM 27+29 TO 29+47

LEGEND

- (A) EXISTING HOT-MIX ASPHALT, +/- 3"
- (B) EXISTING P.C.C. BARE SURFACE OR BASE COURSE, +/- 10"
- (C) EXISTING AGGREGATE BASE COURSE, +/- 4"
- (D) EXISTING SUB-BASE GRANULAR MATERIAL, VARIES
- (E) EXISING COMBINATION CONCRETE CURB AND GUTTER
- (F) PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VAR. DEPTH)
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1¾"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"

PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VAR. DEPTH)

NOTES:
1. THE CONTRACTOR SHALL PATCH BEFORE PCC SURFACE REMOVAL (VAR. DEPTH)
2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, WHICH INCLUDES APPLICATION ALONG THE PARKING LANE JOINT.

* REFER TO DESIGN DETAIL BD-33, HMA TAPER AT EDGE OF PCC PAVEMENT FOR TRANSITION AT EXISTING CURB AND GUTTER.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
STANDARD OVERLAY		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70 1-3/4"	4% @ 70 GYR	PFP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 1"	3.5% @ 50 GYR	QCP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4.0% @ 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL / QUALITY ASSURANCE (QC/QA): QUALITY CONTROL FOR PERFORMANCE (QCP): PAY FOR PERFORMANCE (PFP)		

MIXTURE REQUIREMENT NOTES:

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

MODEL: Default
FILE NAME: P34-2322-4075-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-strHyplcal-01.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

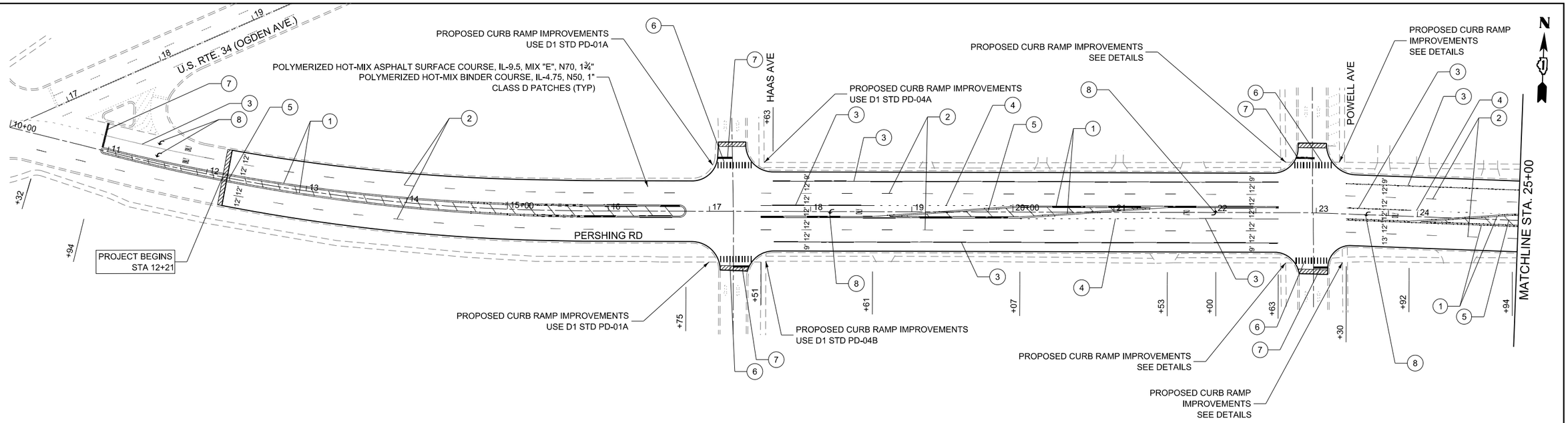
USER NAME = ALane	DESIGNED - JCS	REVISED -	
	DRAWN - JCS	REVISED -	
PLOT SCALE = NTS	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

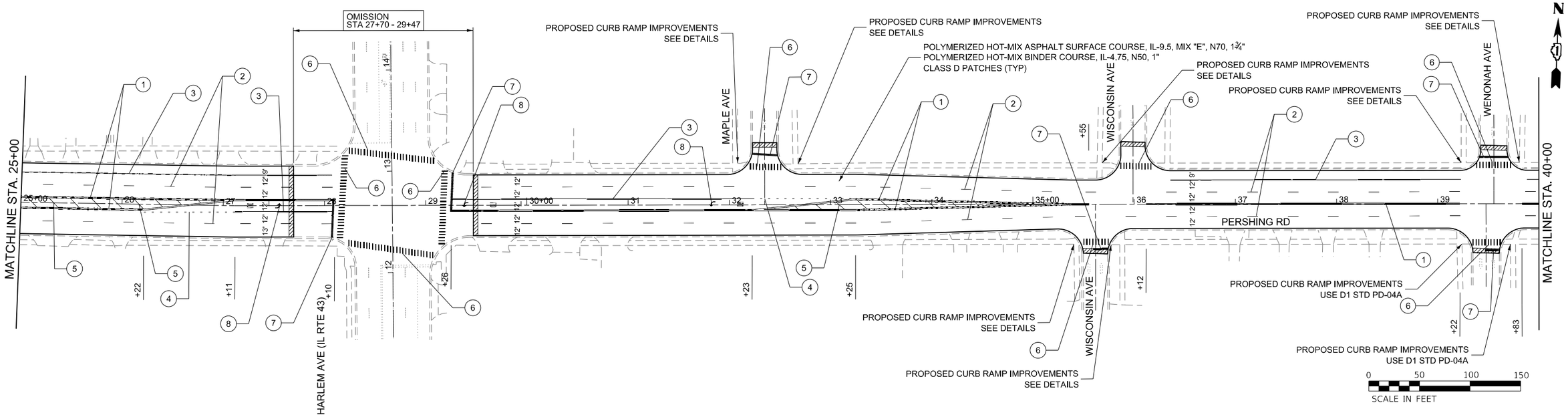
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
PERSHING RD (OGDEN AVE TO CENTRAL AVE)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	5
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		





PAVEMENT MARKING LEGEND

1. LINE 4", DOUBLE SOLID YELLOW, 2 @ 11" C-C - (TYP)
2. LINE 4", SKIP-DASH, WHITE (10' LINE - 30' SPACE) - LANE LINES (TYP)
3. LINE 6", SOLID WHITE
4. LINE 6", SKIP-DASH, WHITE (2' LINE - 6' SPACE) - DOTTED LINES (TYP)
5. LINE 12", SOLID, YELLOW - DIAGONAL @ 45 DEG. @ 15' C-C (5 MINIMUM) (TYP)
6. LINE 12", SOLID, WHITE - CONTINENTAL CROSSWALK (TYP)
7. LINE 24", SOLID, WHITE - STOP LINES (TYP)
8. LETTERS & SYMBOLS, SOLID WHITE (TYP)
9. LINE 12", SOLID, YELLOW - DIAGONAL @ 45 DEG. @ 11' C-C (5 MINIMUM) (TYP)

LEGEND

PCC SURFACE REMOVAL BUTT JOINT, 4.5'

NOTES

1. LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA PAVEMENT.
3. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 " DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
4. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

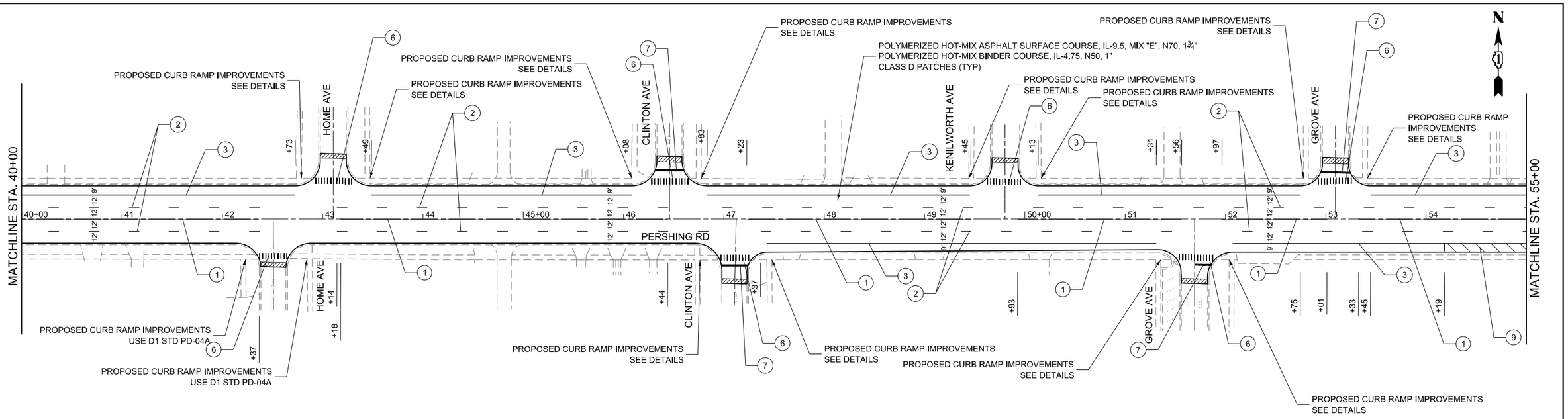
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

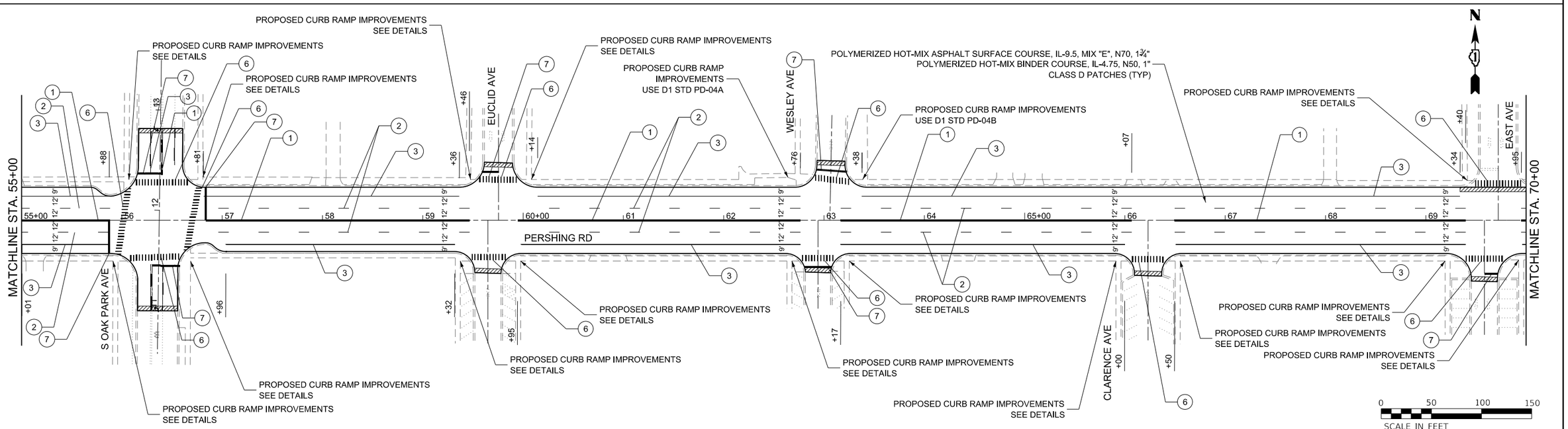
ROADWAY AND PAVEMENT MARKING PLANS
PERSHING RD (OGDEN AVE TO CENTRAL AVE)

SCALE: 1" = 50' | SHEET 1 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	6
		CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: P:\Pe\2022\4677-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-pln-01.dgn





PAVEMENT MARKING LEGEND

1. LINE 4", DOUBLE SOLID YELLOW, 2 @ 11" C-C - (TYP)
2. LINE 4", SKIP-DASH, WHITE (10' LINE - 30' SPACE) - LANE LINES (TYP)
3. LINE 6", SOLID WHITE
4. LINE 6", SKIP-DASH, WHITE (2' LINE - 6' SPACE) - DOTTED LINES (TYP)
5. LINE 12", SOLID, YELLOW - DIAGONAL @ 45 DEG. @ 15' C-C (5 MINIMUM) (TYP)
6. LINE 12", SOLID, WHITE - CONTINENTAL CROSSWALK (TYP)
7. LINE 24", SOLID, WHITE - STOP LINES (TYP)
8. LETTERS & SYMBOLS, SOLID WHITE (TYP)
9. LINE 12", SOLID, YELLOW - DIAGONAL @ 45 DEG. @ 11' C-C (5 MINIMUM) (TYP)

LEGEND

PCC SURFACE REMOVAL BUTT JOINT, 4.5'

NOTES

1. LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA PAVEMENT.
3. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 " DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
4. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

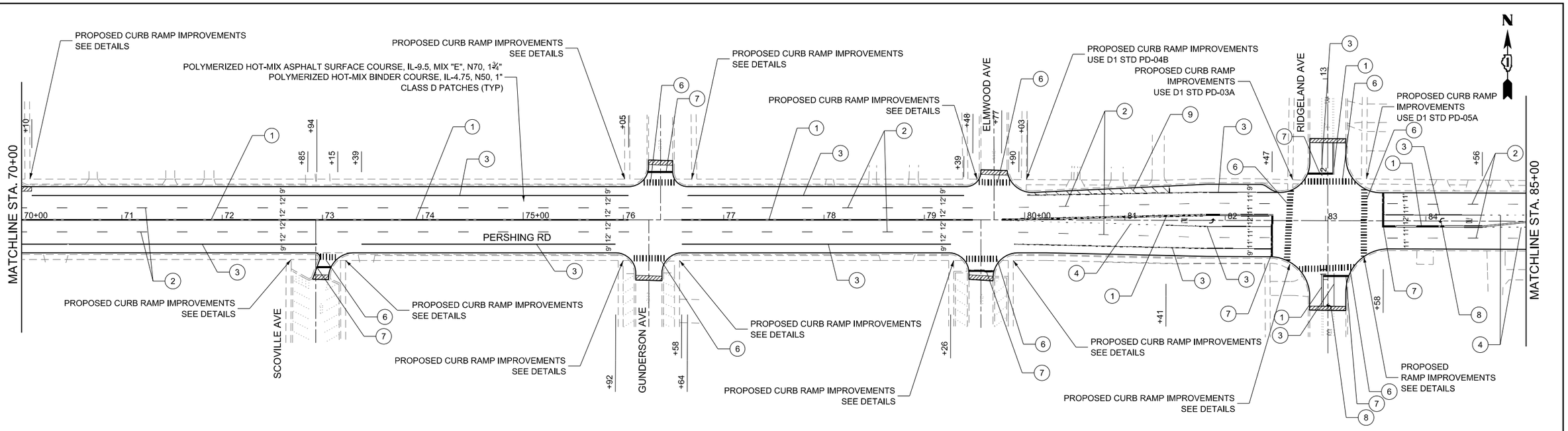
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

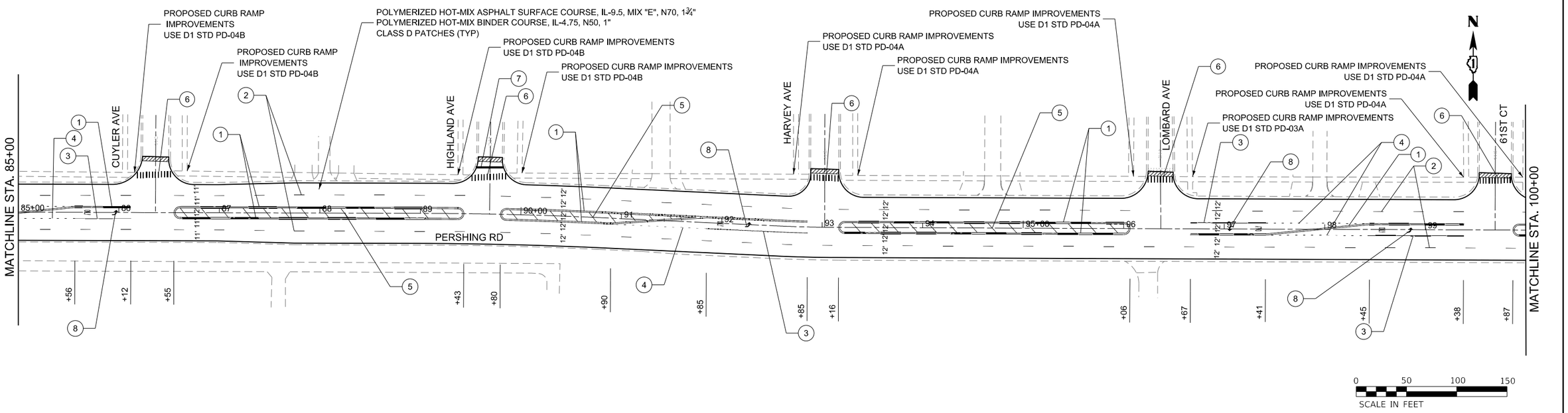
ROADWAY AND PAVEMENT MARKING PLANS
PERSHING RD (OGDEN AVE TO CENTRAL AVE)

SCALE: 1" = 50' | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	7
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: P:\Projects\2022\4677-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-pln-02.dgn





PAVEMENT MARKING LEGEND

1. LINE 4", DOUBLE SOLID YELLOW, 2 @ 11" C-C - (TYP)
2. LINE 4", SKIP-DASH, WHITE (10' LINE - 30' SPACE) - LANE LINES (TYP)
3. LINE 6", SOLID WHITE
4. LINE 6", SKIP-DASH, WHITE (2' LINE - 6' SPACE) - DOTTED LINES (TYP)
5. LINE 12", SOLID, YELLOW - DIAGONAL @ 45 DEG. @ 15' C-C (5 MINIMUM) (TYP)
6. LINE 12", SOLID, WHITE - CONTINENTAL CROSSWALK (TYP)
7. LINE 24", SOLID, WHITE - STOP LINES (TYP)
8. LETTERS & SYMBOLS, SOLID WHITE (TYP)
9. LINE 12", SOLID, YELLOW - DIAGONAL @ 45 DEG. @ 11' C-C (5 MINIMUM) (TYP)

LEGEND

PCC SURFACE REMOVAL BUTT JOINT, 4.5'

NOTES

1. LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA PAVEMENT.
3. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 " DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
4. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.435.9560 | F 312.435.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

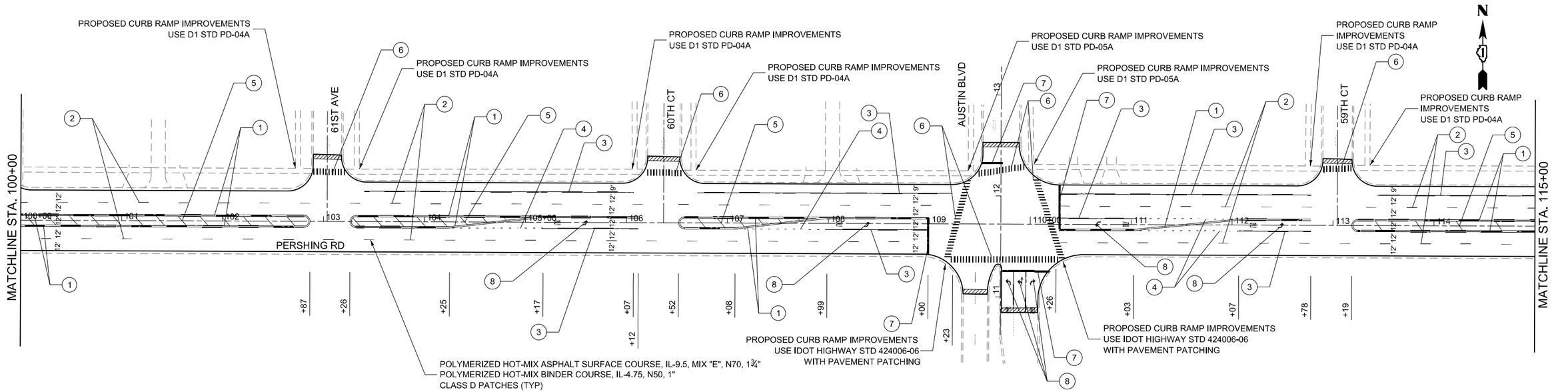
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

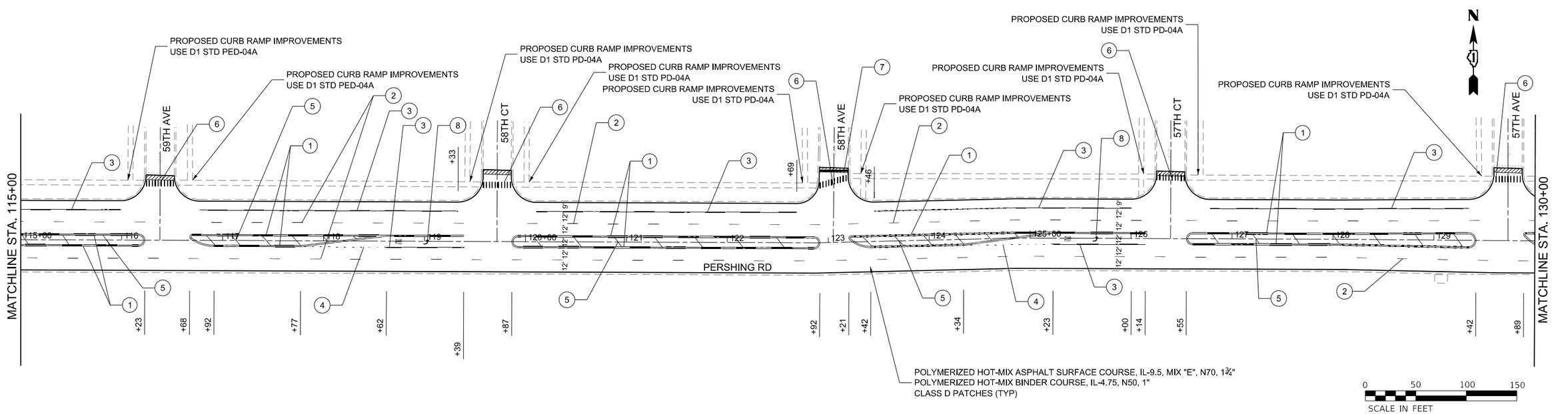
ROADWAY AND PAVEMENT MARKING PLANS
PERSHING RD (OGDEN AVE TO CENTRAL AVE)

SCALE: 1" = 50' | SHEET 3 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	8
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: P:\Projects\24075-00 IDOT Various Phases 2 (PTB 208-002)\WO 27 62X84\IDOT\CADD_Sheets\62X84-sht-hdmd3.dgn





PAVEMENT MARKING LEGEND

1. LINE 4", DOUBLE SOLID YELLOW, 2 @ 11" C-C - (TYP)
2. LINE 4", SKIP-DASH, WHITE (10' LINE - 30' SPACE) - LANE LINES (TYP)
3. LINE 6", SOLID WHITE
4. LINE 6", SKIP-DASH, WHITE (2' LINE - 6' SPACE) - DOTTED LINES (TYP)
5. LINE 12", SOLID, YELLOW - DIAGONAL @ 45 DEG. @ 15' C-C (5 MINIMUM) (TYP)
6. LINE 12", SOLID, WHITE - CONTINENTAL CROSSWALK (TYP)
7. LINE 24", SOLID, WHITE - STOP LINES (TYP)
8. LETTERS & SYMBOLS, SOLID WHITE (TYP)
9. LINE 12", SOLID, YELLOW - DIAGONAL @ 45 DEG. @ 11' C-C (5 MINIMUM) (TYP)

LEGEND

PCC SURFACE REMOVAL BUTT JOINT, 4.5'

NOTES

1. LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA PAVEMENT.
3. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 " DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
4. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

MODEL: Default
FILE NAME: P:\Pr2022-46\75-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-hpBan-r24.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

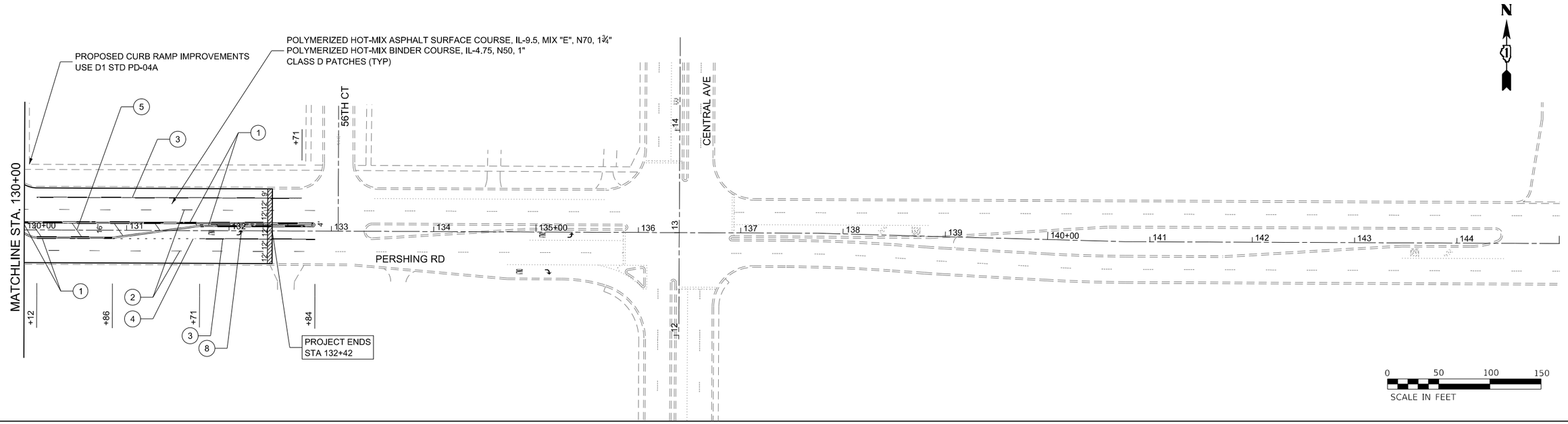
USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLANS
PERSHING RD (OGDEN AVE TO CENTRAL AVE)

SCALE: 1" = 50' | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	9
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING LEGEND

1. LINE 4", DOUBLE SOLID YELLOW, 2 @ 11" C-C - (TYP)
2. LINE 4", SKIP-DASH, WHITE (10' LINE - 30' SPACE) - LANE LINES (TYP)
3. LINE 6", SOLID WHITE
4. LINE 6", SKIP-DASH, WHITE (2' LINE - 6' SPACE) - DOTTED LINES (TYP)
5. LINE 12", SOLID, YELLOW - DIAGONAL @ 45 DEG. @ 15' C-C (5 MINIMUM) (TYP)
6. LINE 12", SOLID, WHITE - CONTINENTAL CROSSWALK (TYP)
7. LINE 24", SOLID, WHITE - STOP LINES (TYP)
8. LETTERS & SYMBOLS, SOLID WHITE (TYP)
9. LINE 12", SOLID, YELLOW - DIAGONAL @ 45 DEG. @ 11' C-C (5 MINIMUM) (TYP)

LEGEND

PCC SURFACE REMOVAL BUTT JOINT, 4.5'

NOTES

1. LIMIT OF RESURFACING ON THE SIDE STREET THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER/TECHNICIAN.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA PAVEMENT.
3. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 " DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
4. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

MODEL: Default
FILE NAME: P:\24-2122-4\075-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-plan-v05.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

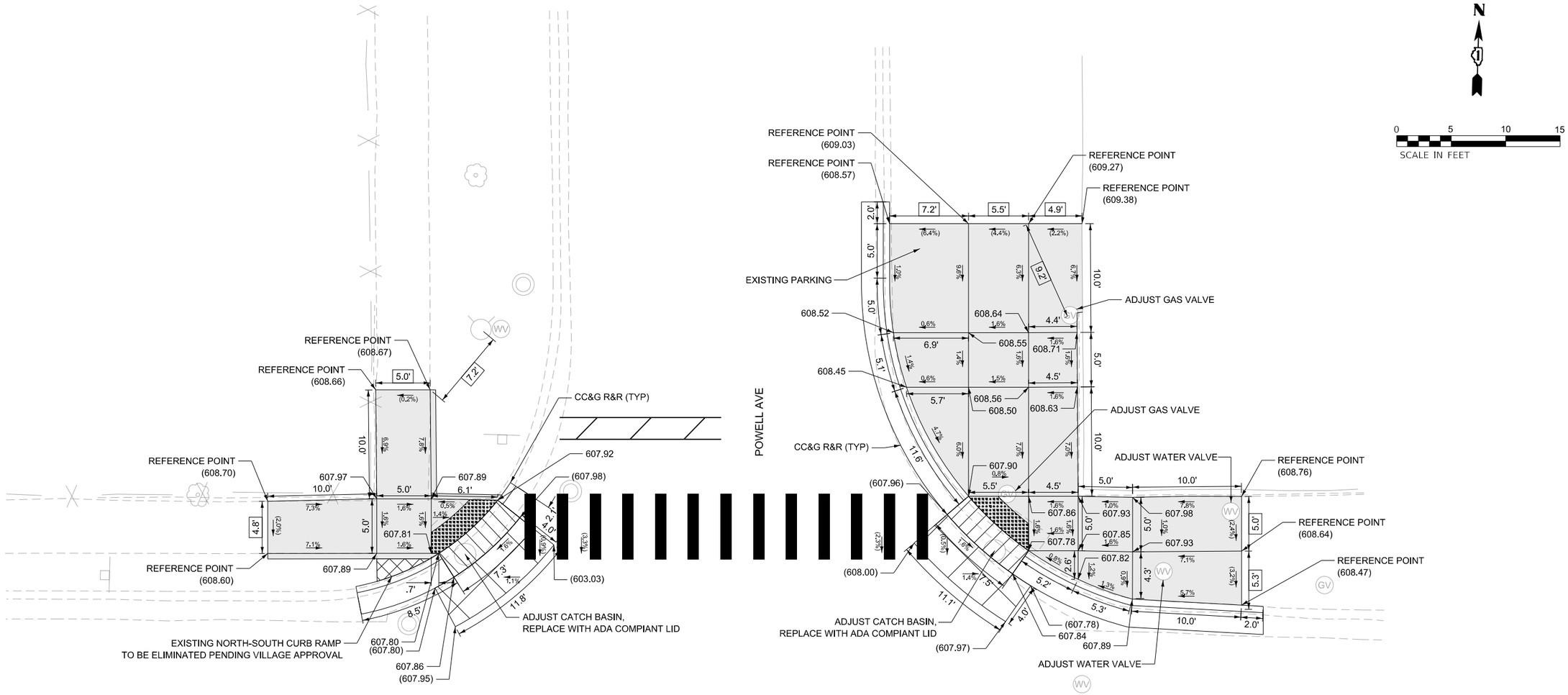
USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLANS
PERSHING RD (OGDEN AVE TO CENTRAL AVE)

SCALE: 1" = 50' | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	10
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



REFERENCE BENCHMARK: 102, ELEV. 608.63

BENCHMARK: SET "X"

LOCATION: SW CORNER OF POWELL & PERSHING

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	CLASS D PATCHES
APS	PROPOSED PEDSTRIAN PUSHBUTTON

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

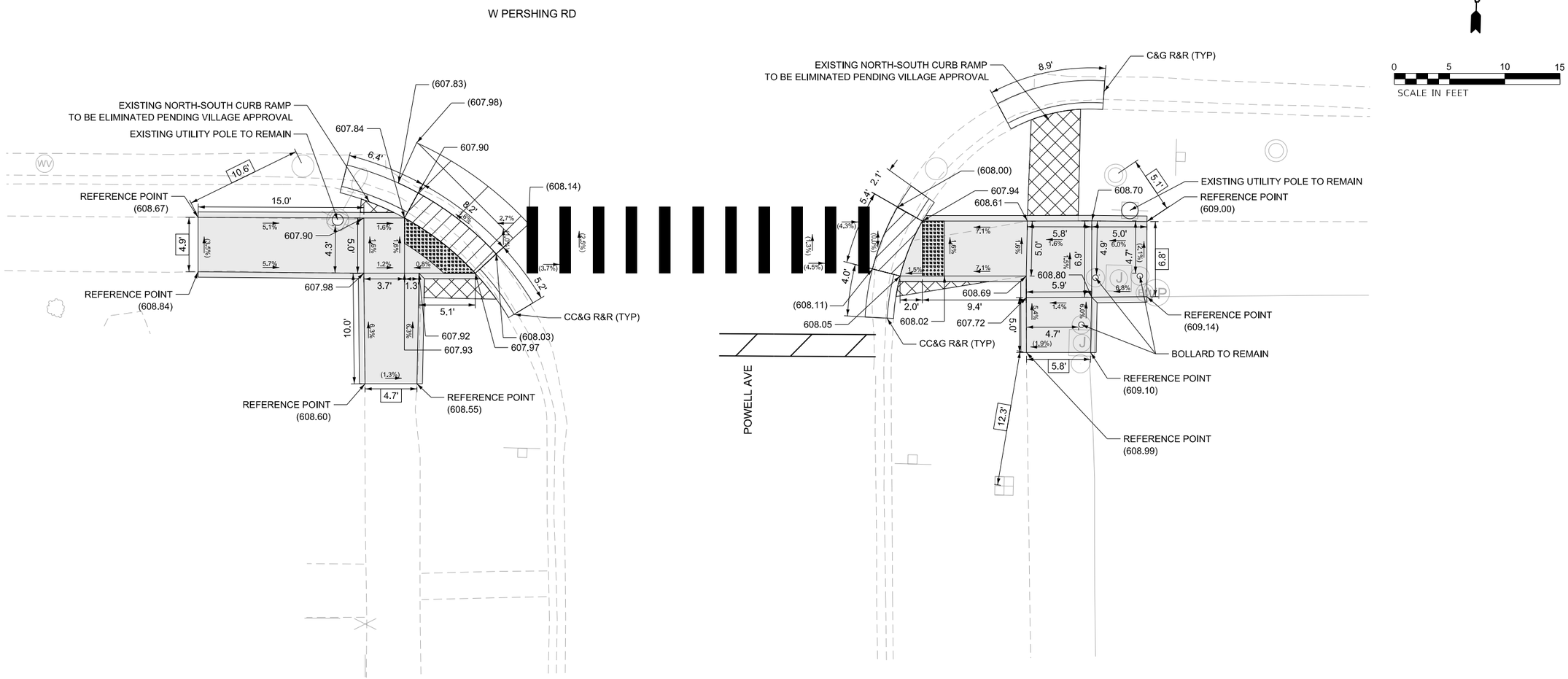
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & POWELL AVE

SCALE: 1" = 5' | SHEET 1 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	11
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: \\CHI-SVR1\Projects\CHI\P-22\22-4467-50 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-ada-02.dgn



REFERENCE BENCHMARK: 102, ELEV. 608.631

BENCHMARK: SET "X"

LOCATION: SW CORNER OF POWELL & PERSHING

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	CLASS D PATCHES
APS	PROPOSED PEDSTRIAN PUSHBUTTON

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.435.9580 | F 312.435.9584 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

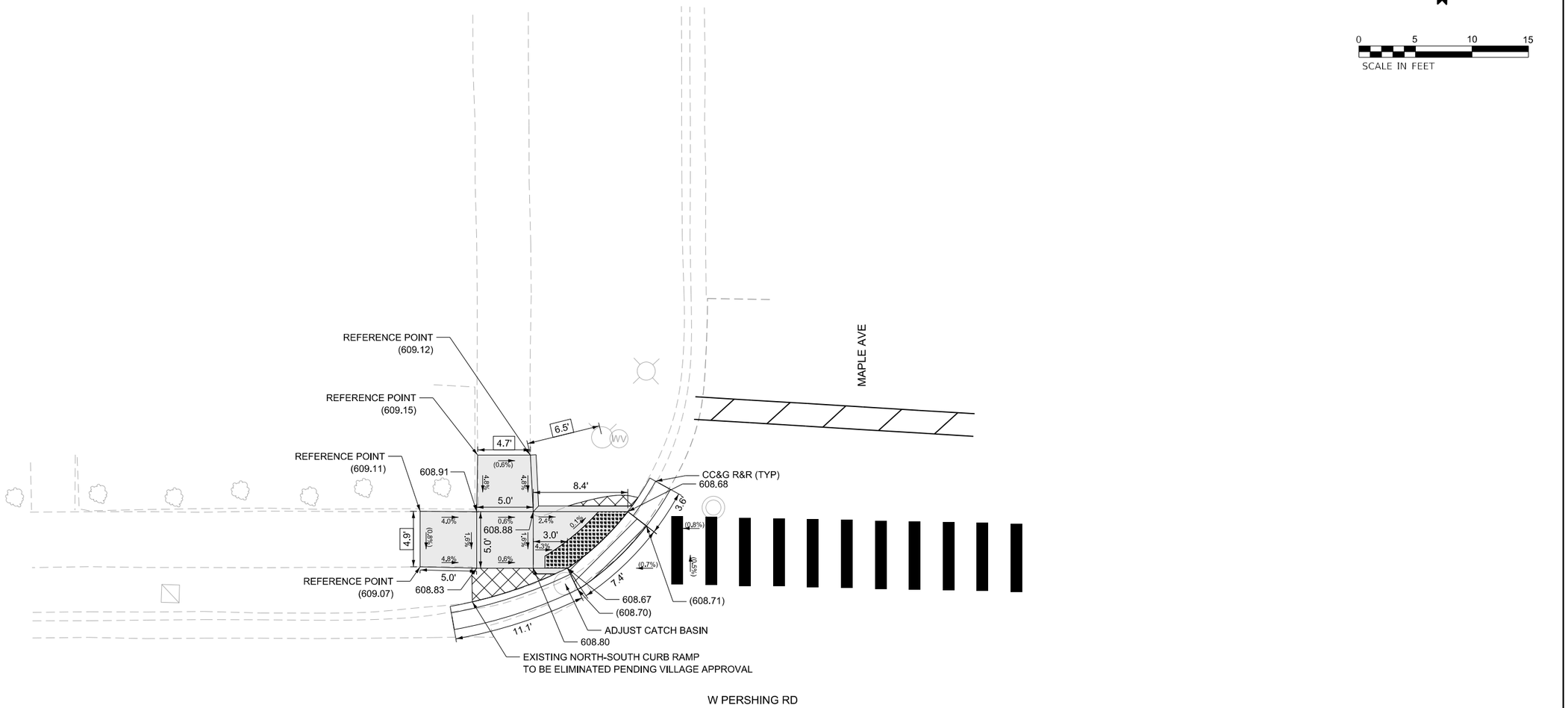
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & POWELL AVE

SCALE: 1" = 5' | SHEET 2 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	12
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: \\CH4S-VR1\Projects\CHIP\-22\22-4875-00 IDOT Various Phase 2 (PTB 208-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sheets-03.dgn



REFERENCE BENCHMARK: 104, ELEV 608.888

BENCHMARK: SET "X"

LOCATION: NE CORNER OF PERSHING & MAPLE

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

- XX.XX' — EXISTING LENGTH
- ( ) — EXISTING ELEVATION / SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- PAVEMENT REMOVAL
- APS — PROPOSED PEDESTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CH4S-VR1\Projects\CHP\22224d875x50 IDOT Various Phase 2 (PTB 208+002)\WO 27 62X84\DGN\CADD_Sheets\62X84-ithada44.dgn

INFRASTRUCTURE ENGINEERING INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.435.5580 | F 312.435.5584 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

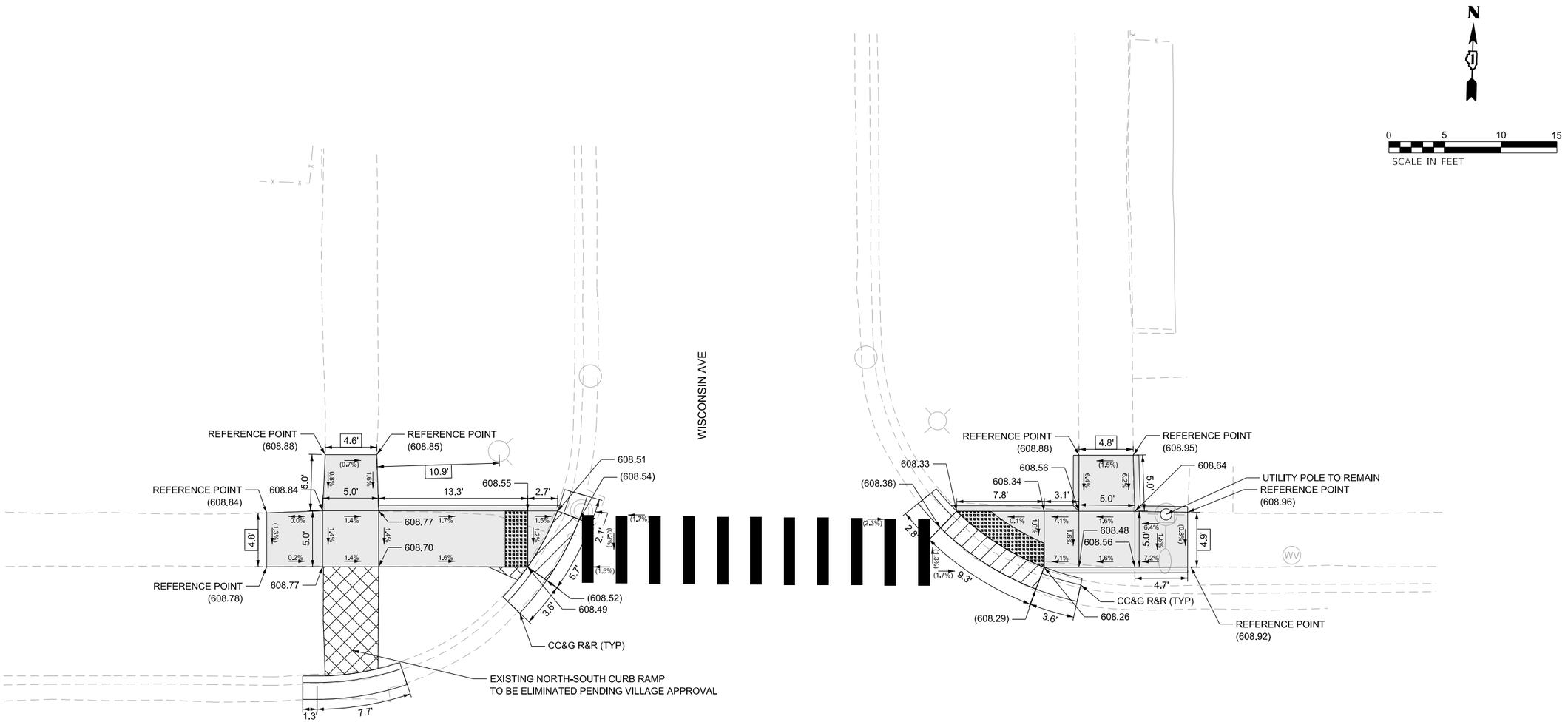
ADA RAMP DETAILS
W PERSHING RD & MAPLE AVE

SCALE: 1" = 5' | SHEET 3 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	13

CONTRACT NO. 62X84

ILLINOIS | FED. AID PROJECT



REFERENCE BENCHMARK: 107, ELEV. 608.734

BENCHMARK: SET "X"

LOCATION: NE CORNER OF WISCONSIN & PERSHING, IN FRONT OF RES 7042

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CHI4SVR1P\Projects\CHIP\22222-46875-00 IDOT Various Phases 2 (PTB 208-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-ethsds45.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9580 | F 312.425.9564 | www.infrastructure-eng.com

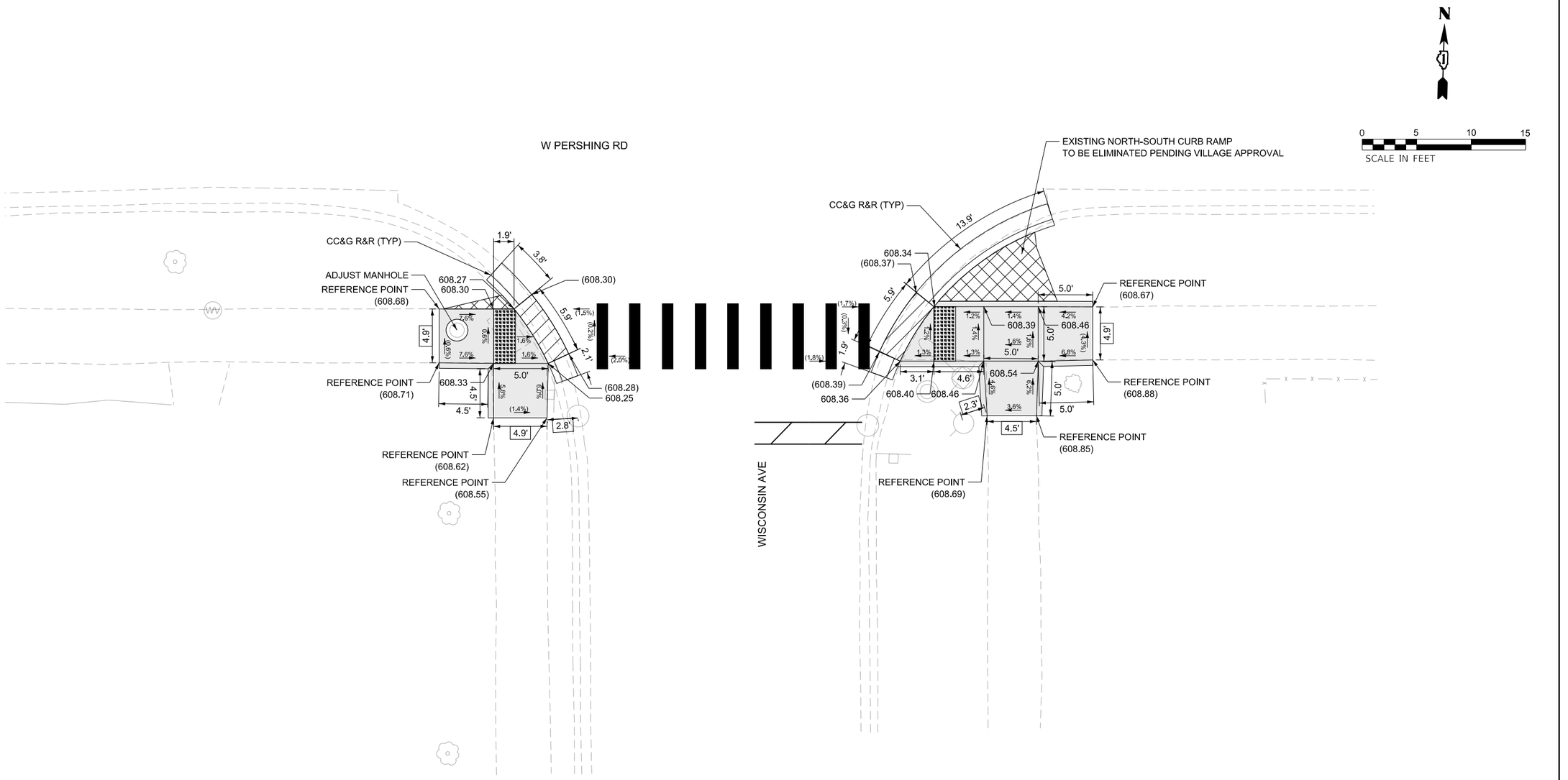
USER NAME = ALane	DESIGNED - AMT	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & WISCONSIN AVE

SCALE: 1" = 5' | SHEET 4 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	14
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



REFERENCE BENCHMARK: 107, ELEV. 608.734

BENCHMARK: SET "X"

LOCATION: NE CORNER OF WISCONSIN & PERSHING, IN FRONT OF RES 7042

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane		DESIGNED - AMT		REVISED -	
		DRAWN - AMT		REVISED -	
PLOT SCALE = 10.000 ' / in.		CHECKED - ACL		REVISED -	
		DATE - 06/17/2025			

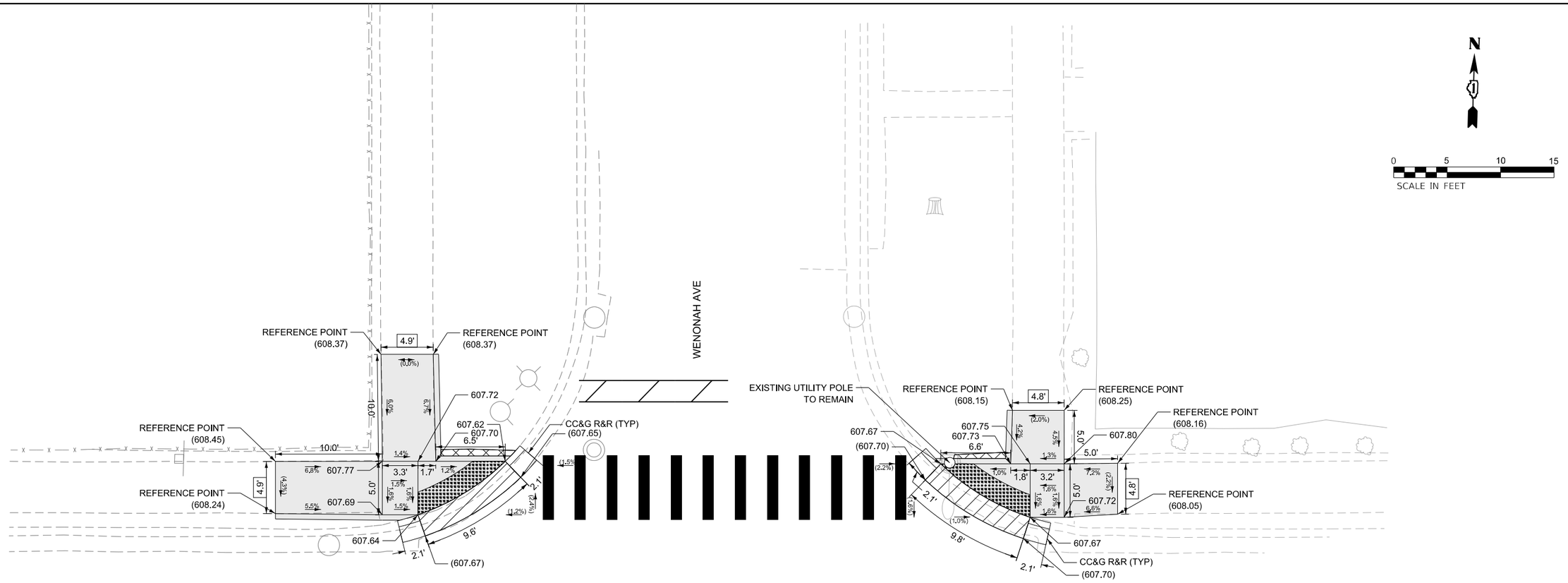
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & WISCONSIN AVE

SCALE: 1" = 5' | SHEET 5 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	15
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: \\CHI-SVR1\Projects\CHIP-22224-46775-00 IDOT Various Phase 2 (PTB 206-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-ada-05.dgn



REFERENCE BENCHMARK: 109, ELEV. 608.474

BENCHMARK: SET "X"

LOCATION: NE CORNER OF PERSHING & WENONAH, IN FRONT OF RES. 7036

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH	APS	PROPOSED PEDESTRIAN PUSHBUTTON
( )	EXISTING ELEVATION / SLOPE		
	PROPOSED SIDEWALK		
	DETECTABLE WARNINGS		
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD		
	DEPRESSED CURB AND GUTTER		
	PROPOSED SIDE CURB		
	PAVEMENT REMOVAL		

MODEL: Default
FILE NAME: \\CHI-VR1\Projects\CHI\P-2222-4\675-00 IDOT Various Phase 2 (PTB 208-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sheets47.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9588 | F 312.425.9584 | www.infrastructure-eng.com

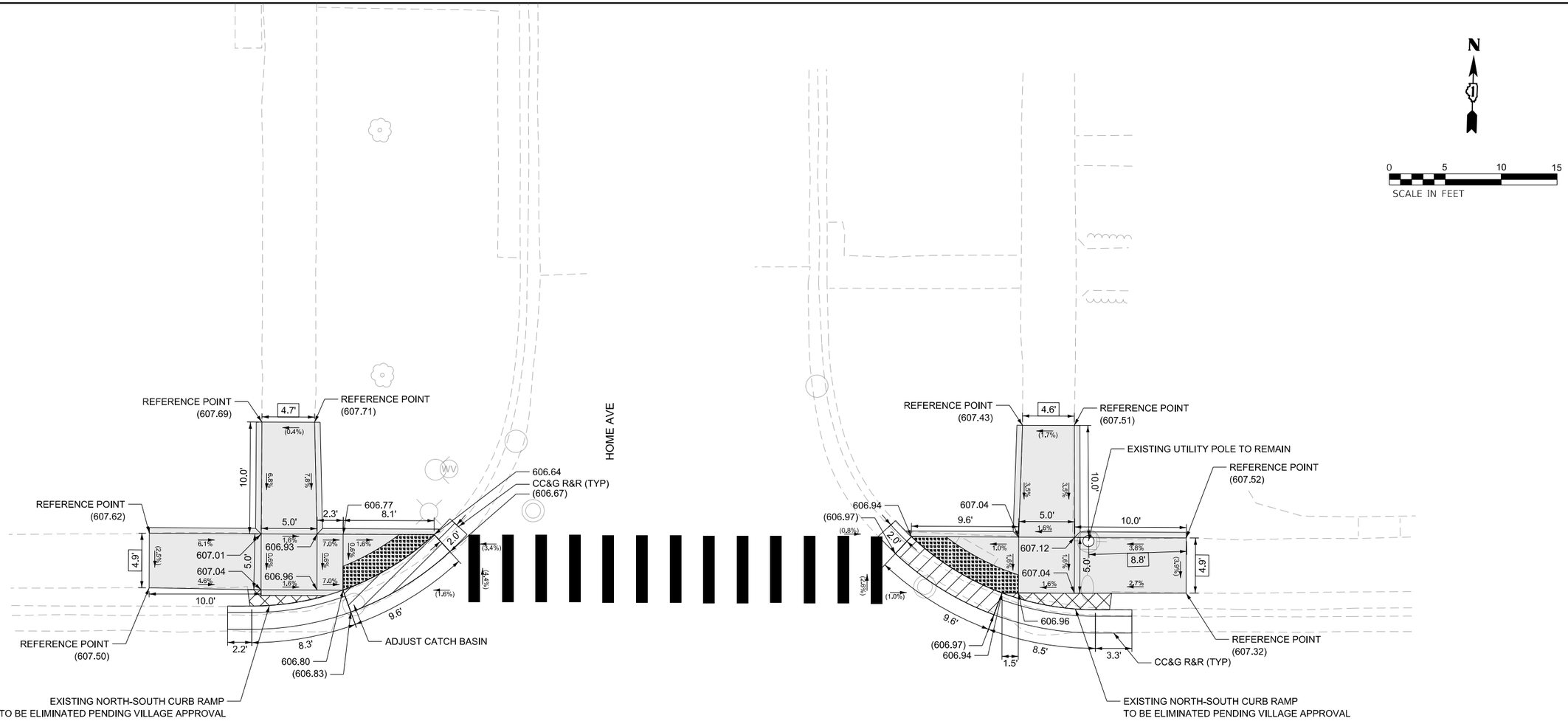
USER NAME = ALane	DESIGNED - AMT	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & WENONAH AVE

SCALE: 1" = 5' | SHEET 6 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	16
		CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	



REFERENCE BENCHMARK: 111, ELEV. 607.478

BENCHMARK: SET "X"

LOCATION: NW OF PERSHING & HOME, IN FRONT OF RES. 7002

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

- XX.XX' — EXISTING LENGTH
- APS — PROPOSED PEDESTRIAN PUSHBUTTON
- ( ) — EXISTING ELEVATION / SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
- DEPRESSED CURB AND GUTTER
- PROPOSED SIDE CURB
- PAVEMENT REMOVAL

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - JCS	REVISED -	
	DRAWN - JCS	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

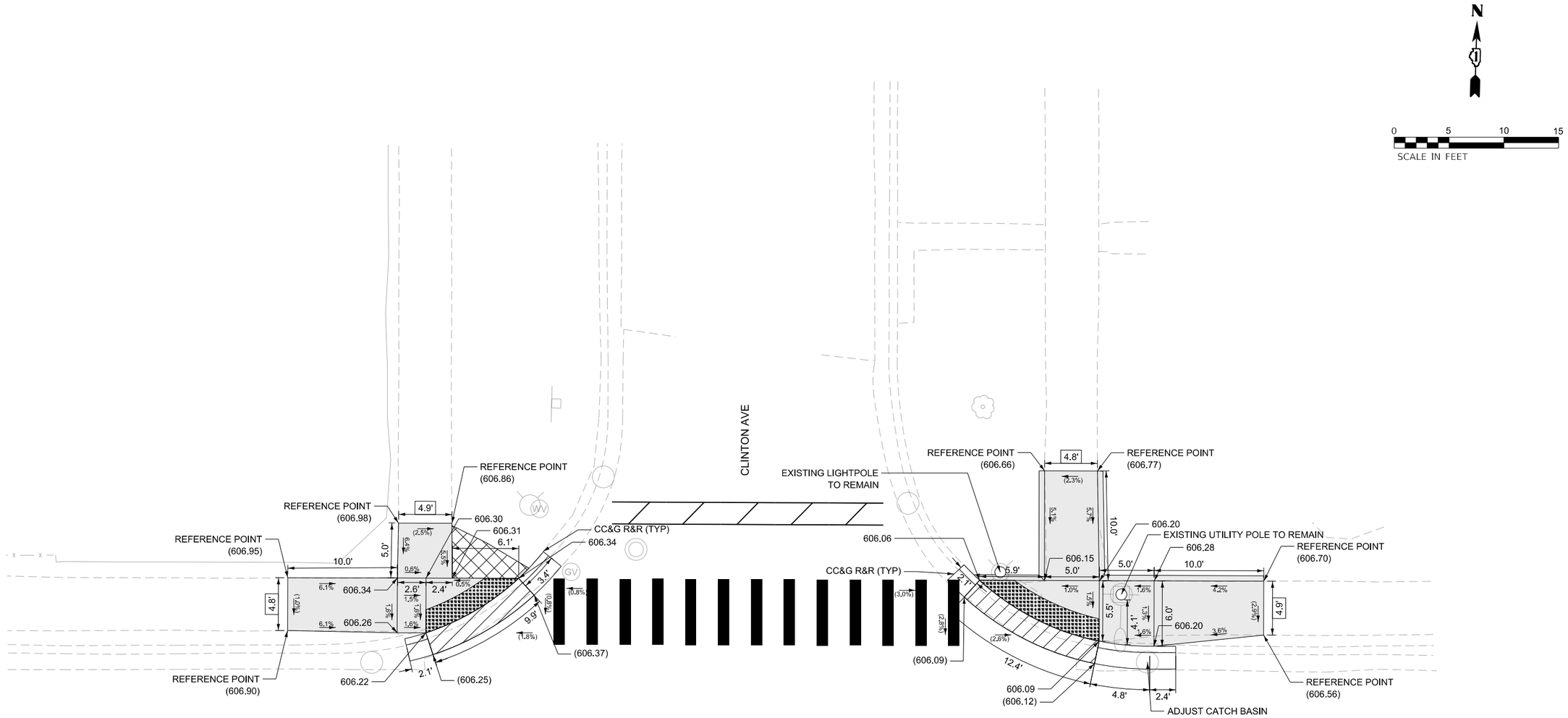
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & HOME AVE

SCALE: 1" = 5' | SHEET 7 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	17
		CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: \\GHSVR1\Projects\GH#P-2322-4875-00 IDOT Various Phase 2 (PTB 208-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-ehl-beda-48.dgn



REFERENCE BENCHMARK: 113, ELEV. 607.007

BENCHMARK: SET "X"

LOCATION: SW CORNER OF PERSHING & CLINTON

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDESTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CHI4SVR1P\projects\CHIPro2202\46875-00 IDOT Various Phase 2 (PTB 208-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-ethseds49.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.423.9580 | F 312.423.9564 | www.infrastructure-eng.com

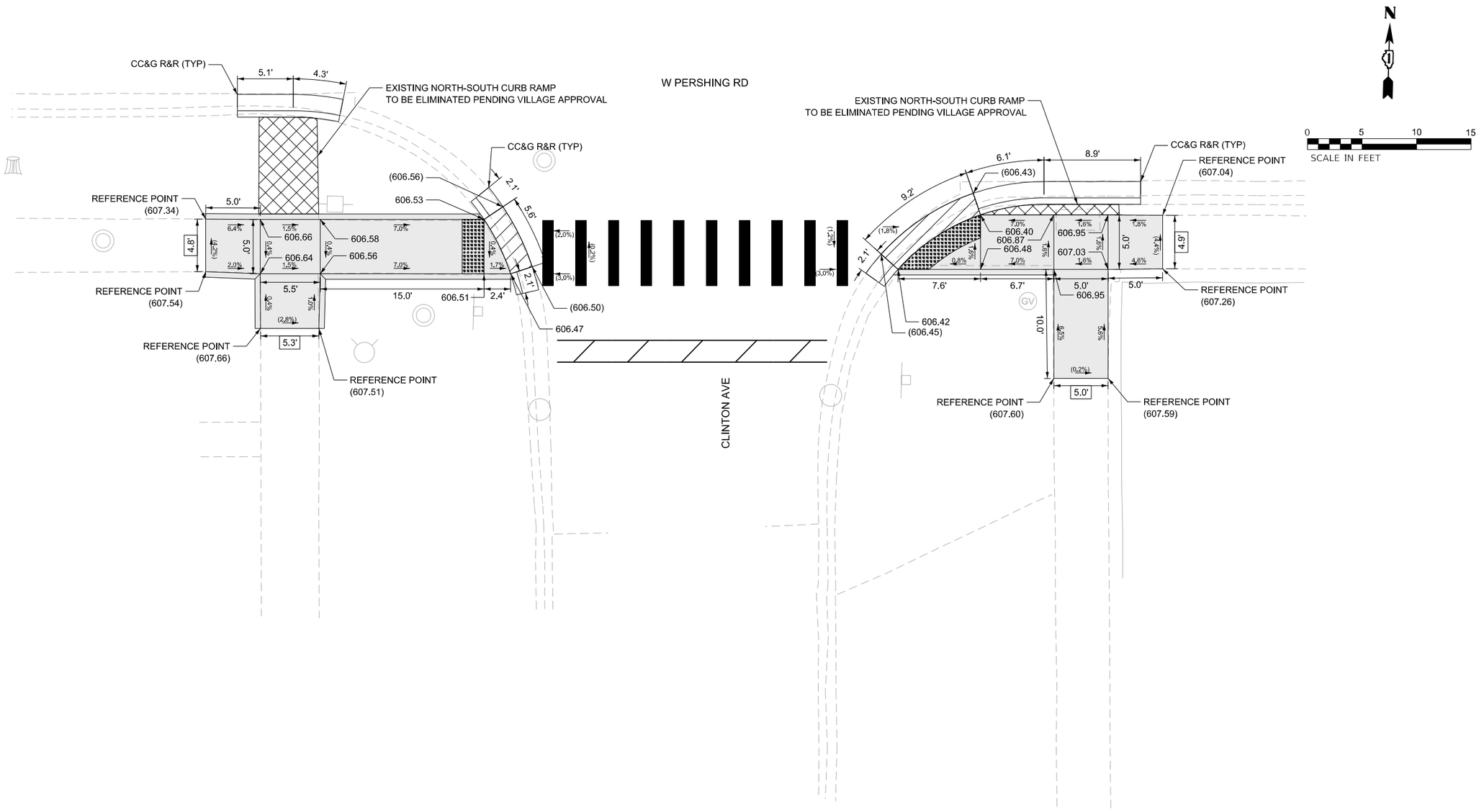
USER NAME = ALane	DESIGNED - JCS	REVISED -
	DRAWN - JCS	REVISED -
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & CLINTON AVE

SCALE: 1" = 5' | SHEET 8 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	18
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



REFERENCE BENCHMARK: 113, ELEV. 607.007

BENCHMARK: SET "X"

LOCATION: SW CORNER OF PERSHING & CLINTON

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CHASVR1\Projects\CHI\P-22022-4675-00 IDOT Various Phases 2 (PTB 208-002)\WO 27 62X84\IDOT\CADD_Sheets\62X84-ethkeds-10.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

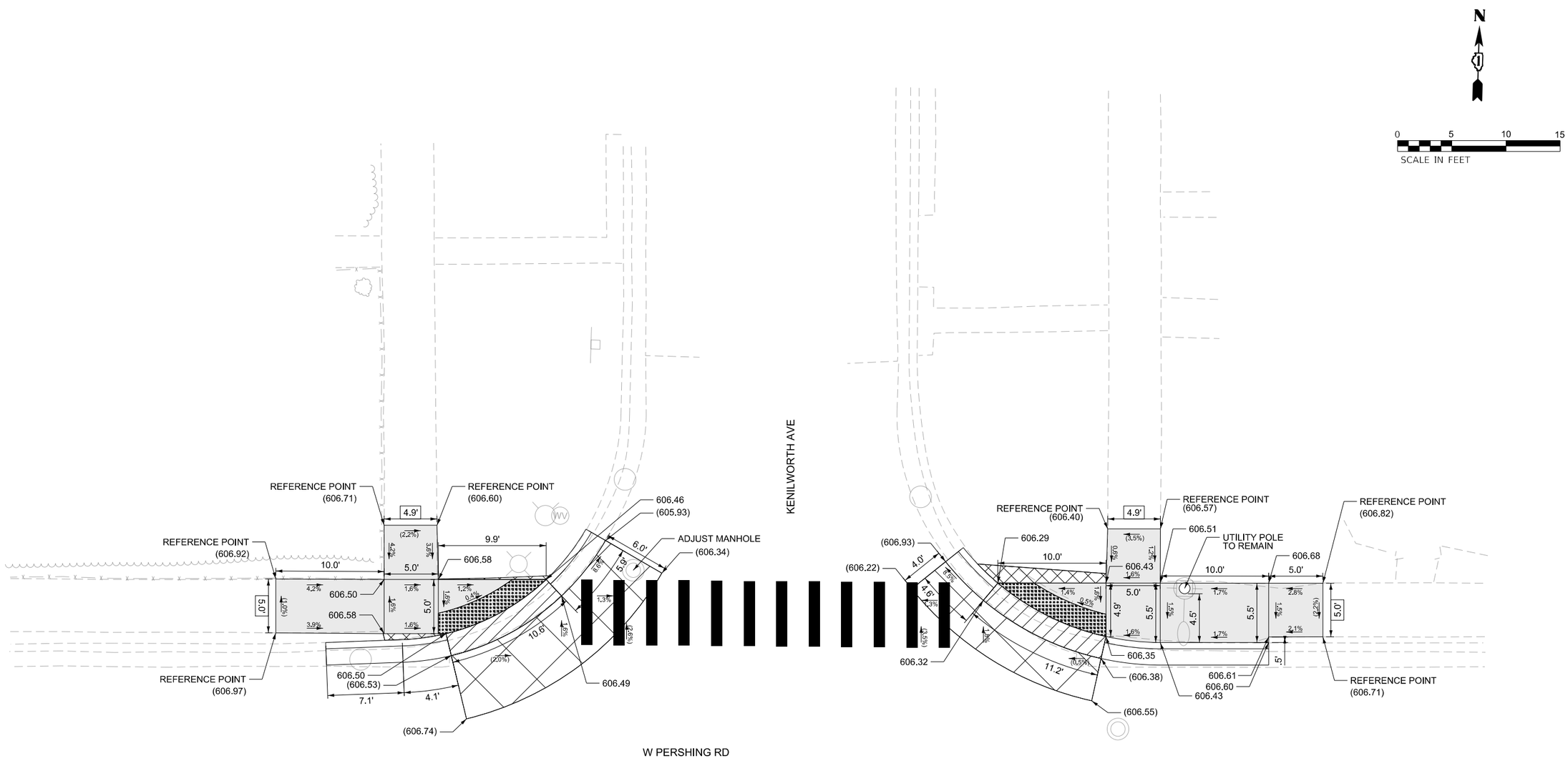
USER NAME = ALane	DESIGNED - JCS	REVISED -	
	DRAWN - JCS	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & CLINTON AVE

SCALE: 1" = 5' | SHEET 9 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	19
		CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	



REFERENCE BENCHMARK: 114, ELEV. 606.748

BENCHMARK: SET "X"

LOCATION: NW CORNER OF KENILWORTH & PERSHING

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	CLASS D PATCHES
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CHSVR1\Projects\CHP-2122-48775-00 IDOT Varifoot Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-ohl-xsla11.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

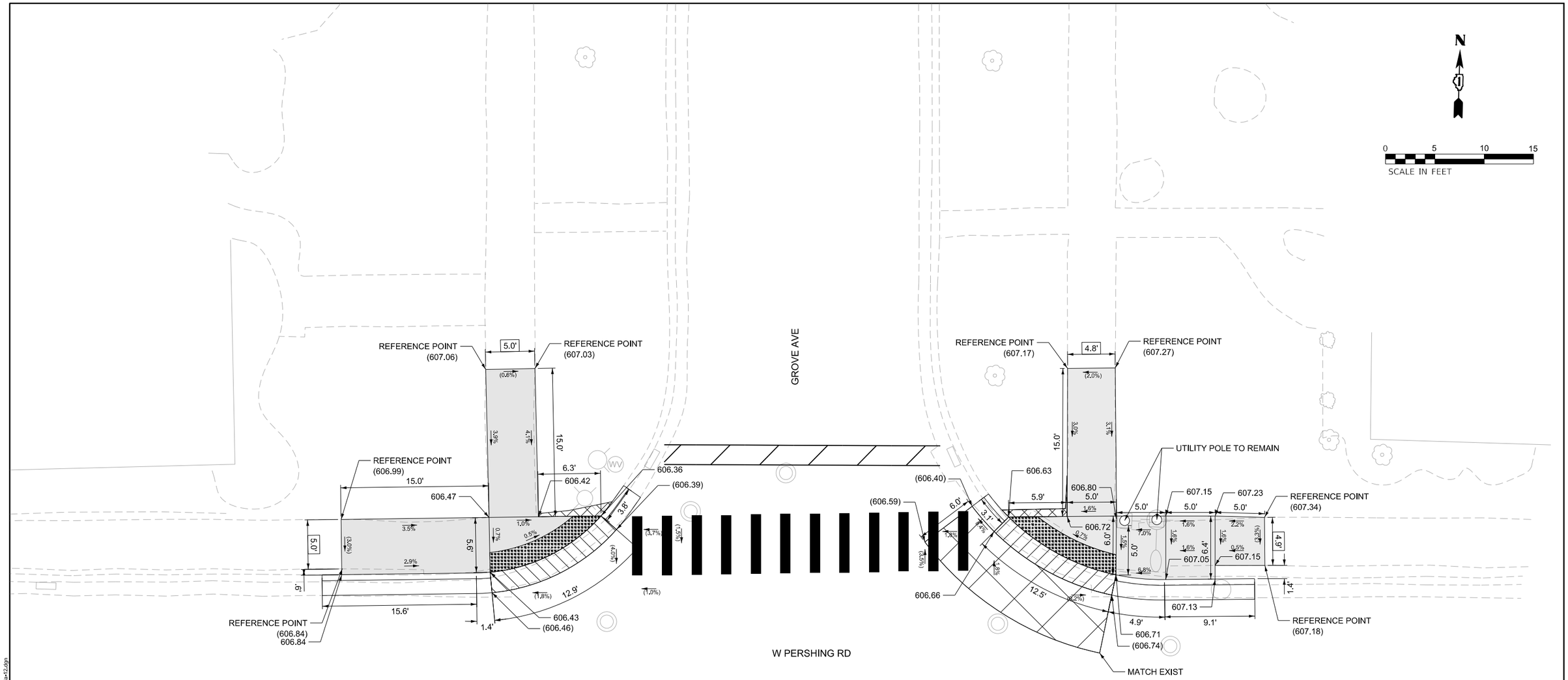
USER NAME = ALane	DESIGNED - JCS	REVISED -
	DRAWN - JCS	REVISED -
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & KENILWORTH AVE

SCALE: 1" = 5' | SHEET 10 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	20
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



REFERENCE BENCHMARK: 117, ELEV. 606.744

BENCHMARK: SET "X"

LOCATION: SW CORNER OF PERSHING & GROVE

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	CLASS D PATCHES
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CHS-SVR1\Projects\CHP\P-22\22-46\75-00 IDOT Various Phase 2 (PTB 206-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sheets-12.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

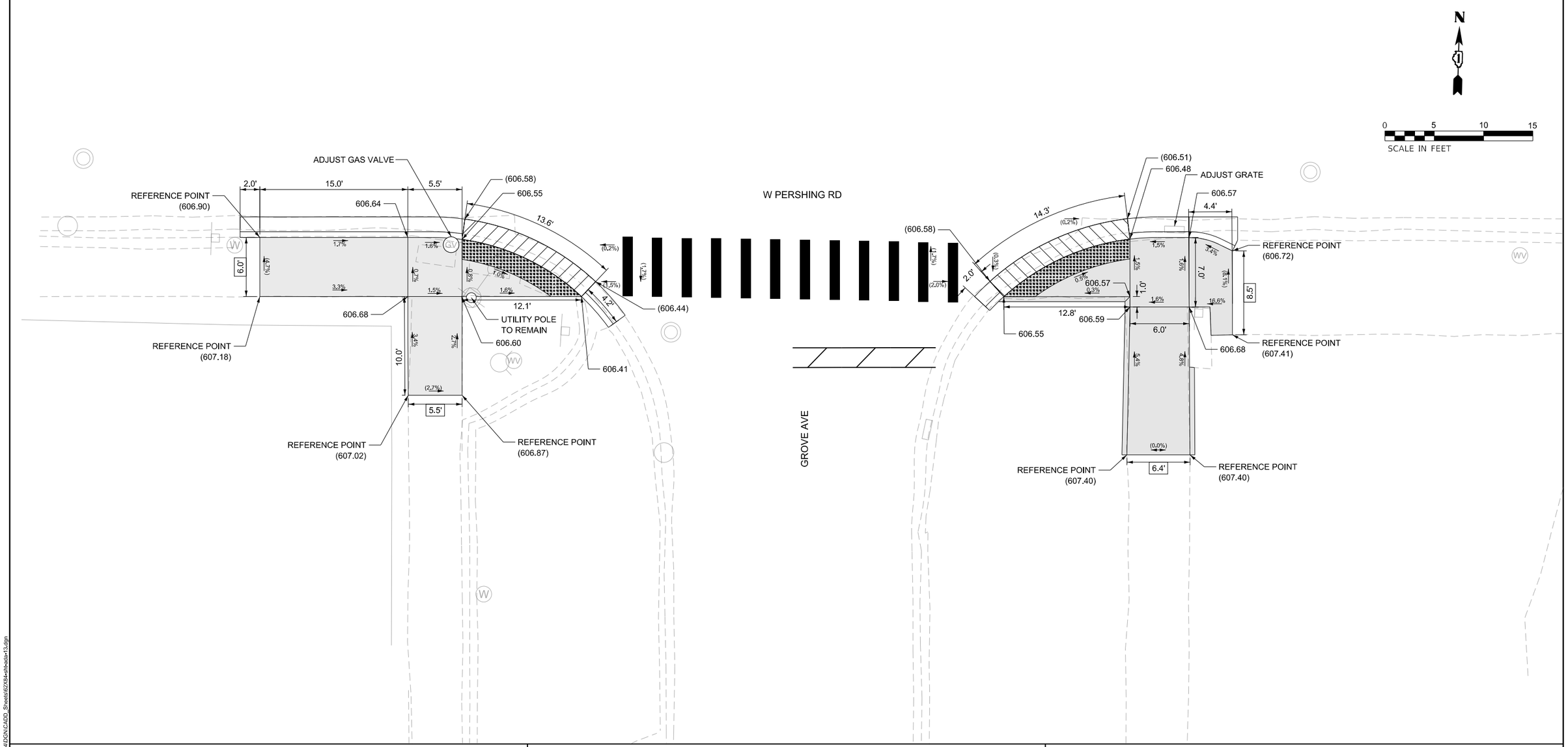
USER NAME = ALane	DESIGNED - JCS	REVISED -
	DRAWN - JCS	REVISED -
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & GROVE AVE

SCALE: 1" = 5' | SHEET 11 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	21
		CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	



REFERENCE BENCHMARK: 117, ELEV. 606.744

BENCHMARK: SET "X"

LOCATION: SW CORNER OF PERSHING & GROVE

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CHSVR1\Projects\CHP-22\22-48\75-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-sdia-13.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

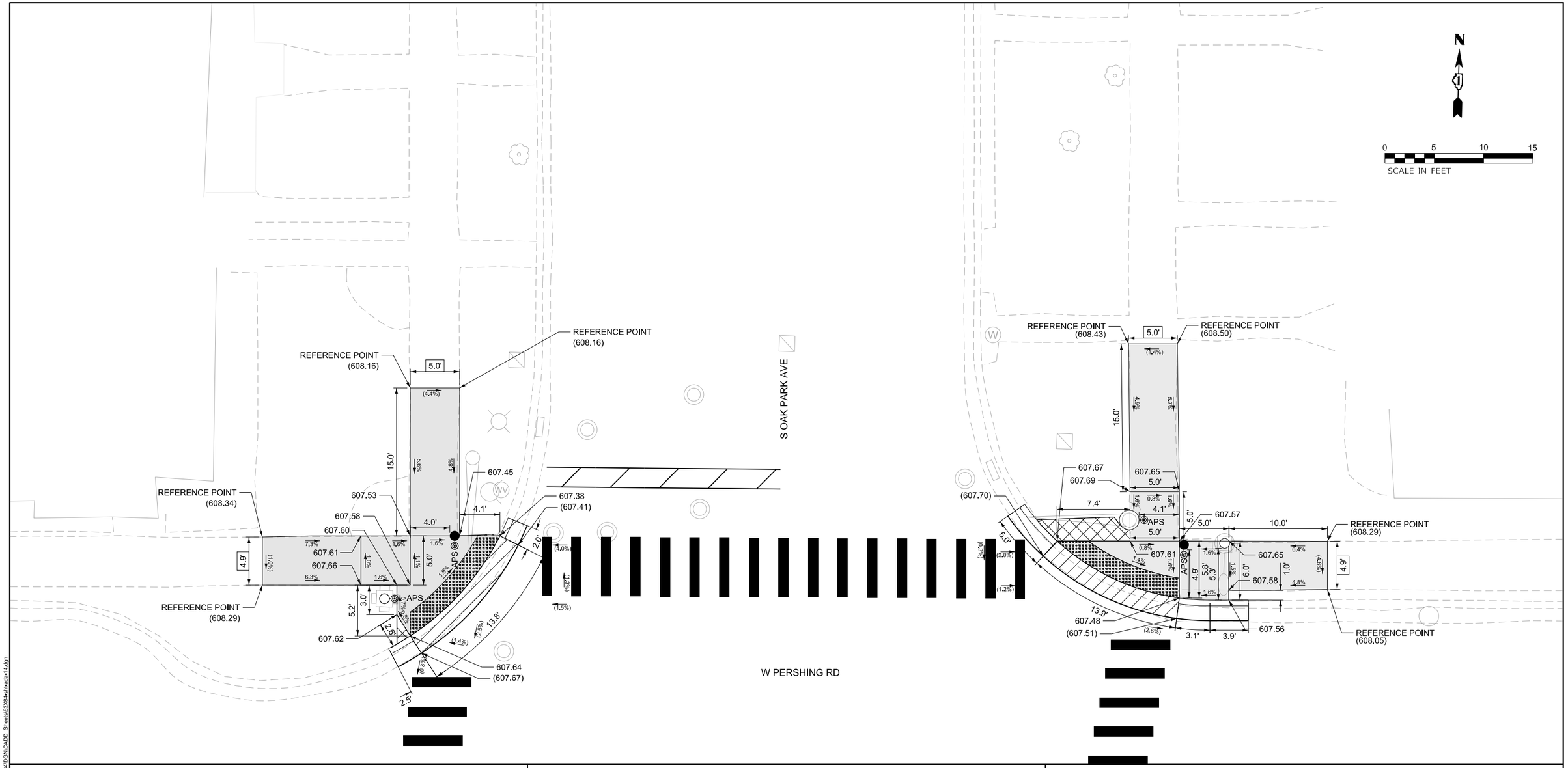
USER NAME = ALane	DESIGNED - JCS	REVISED -
	DRAWN - JCS	REVISED -
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & GROVE AVE

SCALE: 1" = 5' | SHEET 12 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	22
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



REFERENCE BENCHMARK: 118, ELEV. 608.319

BENCHMARK: SET "X"

LOCATION: NW CORNER OF PERSHING & OAK PARK

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CHSVR1\Projects\CHP\2202\4875-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-alt-insta-14.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9568 | F 312.425.9564 | www.infrastructure-eng.com

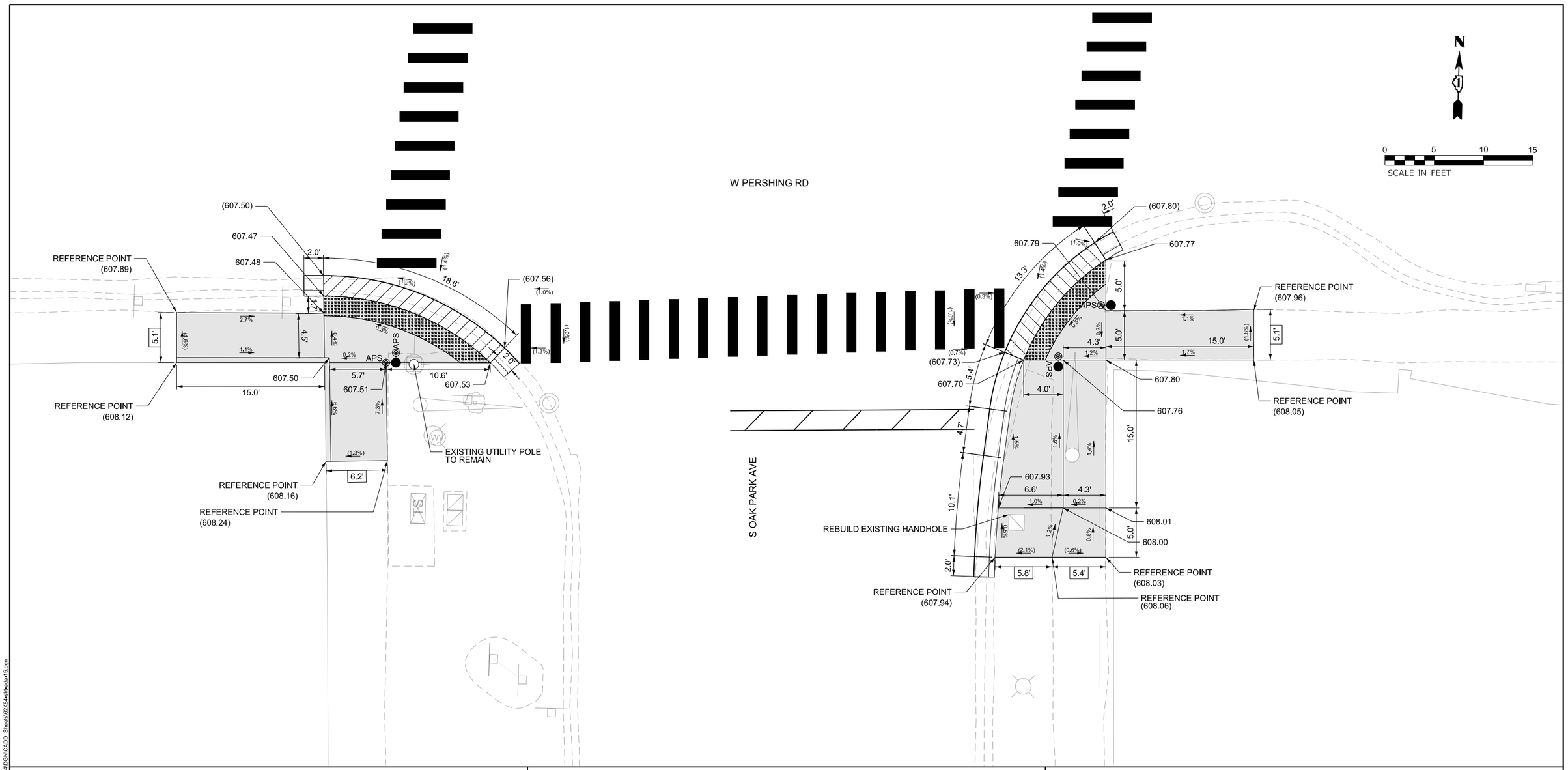
USER NAME = ALane	DESIGNED - JCS	REVISED -	
	DRAWN - JCS	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & S OAK PARK AVE

SCALE: 1" = 5' | SHEET 13 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	23
		CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	



REFERENCE BENCHMARK: 118, ELEV. 608.319

BENCHMARK: SET "X"

LOCATION: NW CORNER OF PERSHING & OAK PARK

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CH4SVR1\Projects\CHIP\-22\22-4875-00 IDOT Various Phase 2 (PTB 208-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sheets-15.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.435.5580 | F 312.435.5584 | www.infrastructure-eng.com

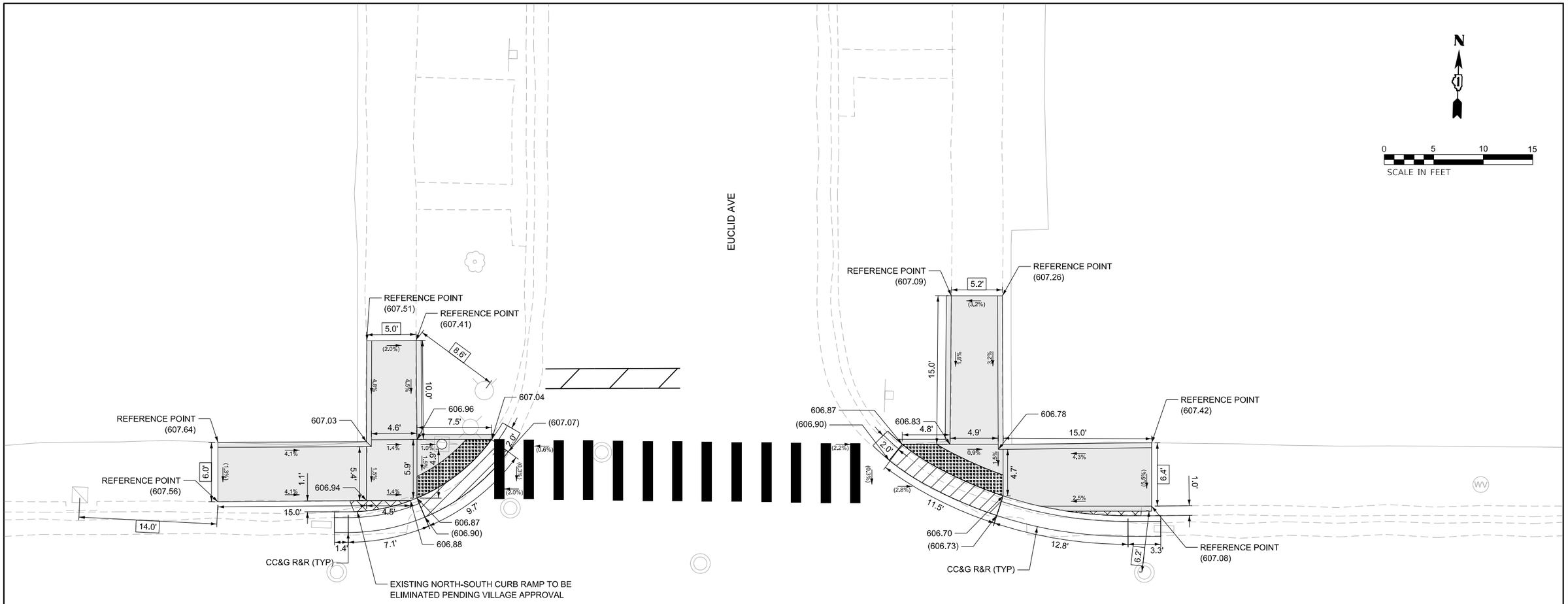
USER NAME = ALane	DESIGNED - JCS	REVISED -	
	DRAWN - JCS	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & S OAK PARK AVE

SCALE: 1" = 5' | SHEET 14 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	24
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



REFERENCE BENCHMARK: 120, ELEV. 607.188

BENCHMARK: SET "X"

LOCATION: NE CORNER OF PERSHING & EUCLID

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CHSVR1\Projects\CHI\P-2122-4075-00 IDOT Varifoot Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-ohl-ada-18.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

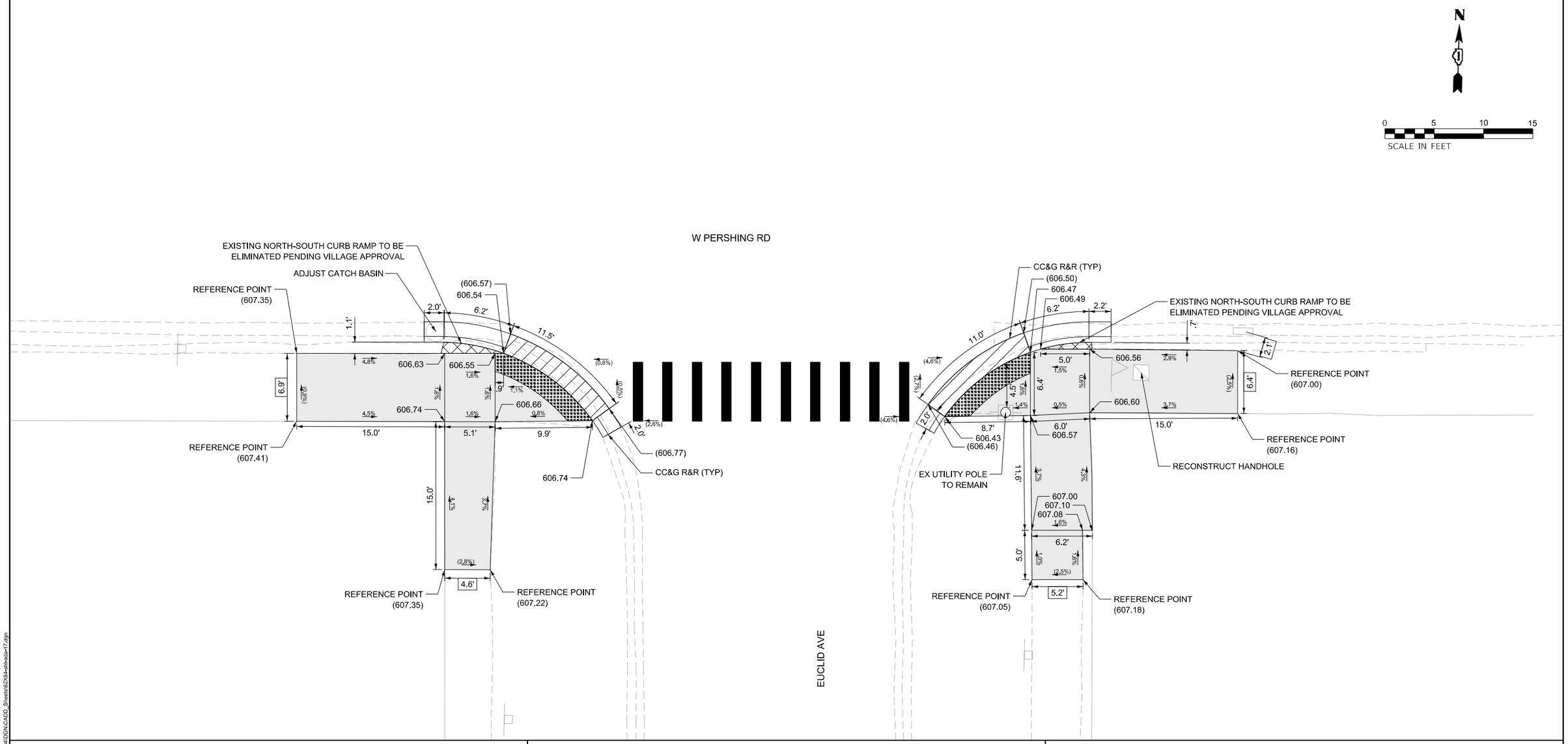
USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & EUCLID AVE

SCALE: 1" = 5' | SHEET 15 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	25
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



REFERENCE BENCHMARK: 120, ELEV. 607.188

BENCHMARK: SET "X"

LOCATION: NE CORNER OF PERSHING & EUCLID

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

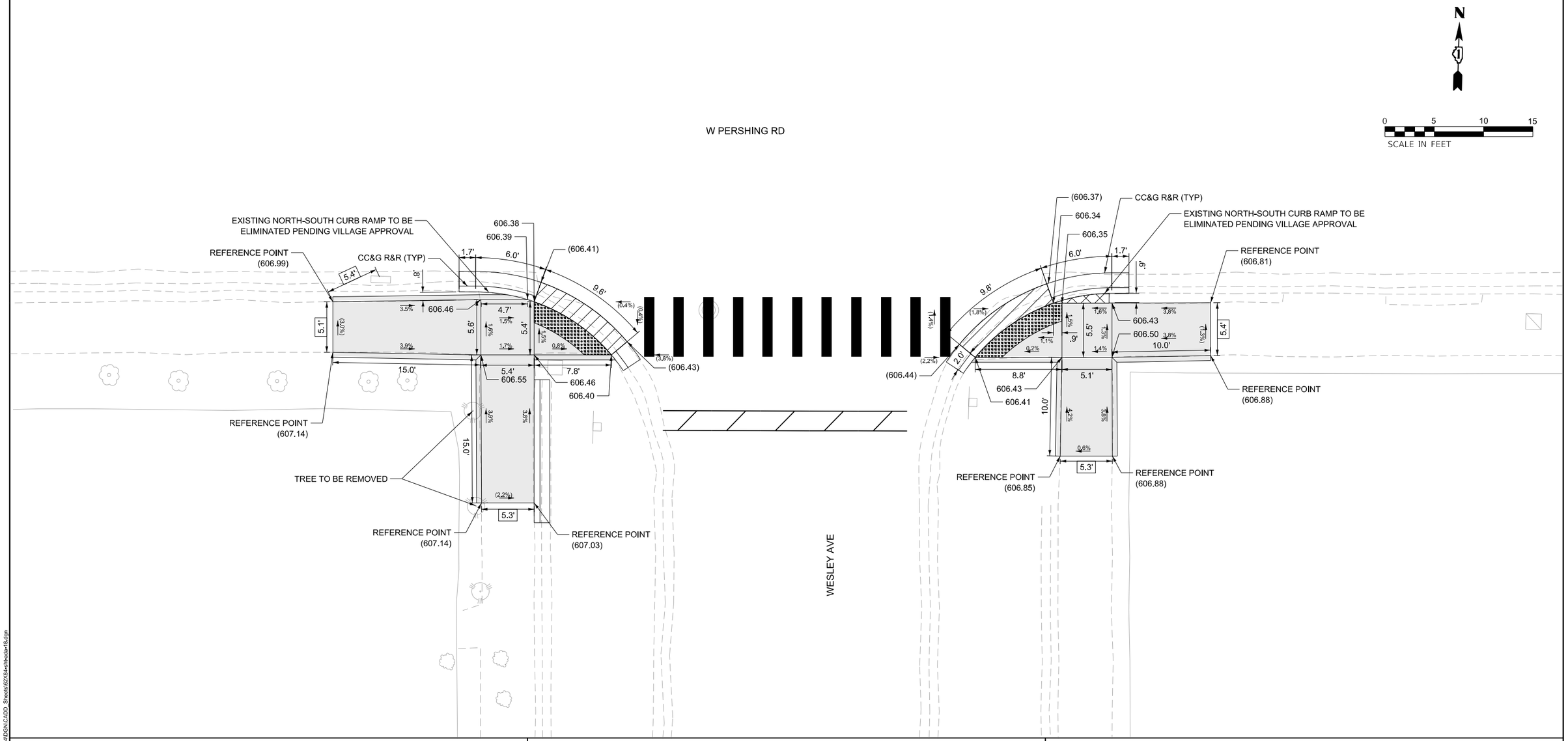
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & EUCLID AVE

SCALE: 1" = 5' | SHEET 16 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	26
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: \\CH1SVR1\Projects\CH1P-222224\8750-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-ada-17.dgn



REFERENCE BENCHMARK: 123, ELEV. 606.967

BENCHMARK: SET "X"

LOCATION: SE CORNER OF PERSHING & WESLEY, ENTRANCE OF LAUNDROMAT

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CHHSVR1\Projects\CHIP\-22022-4497\-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sheets-18.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

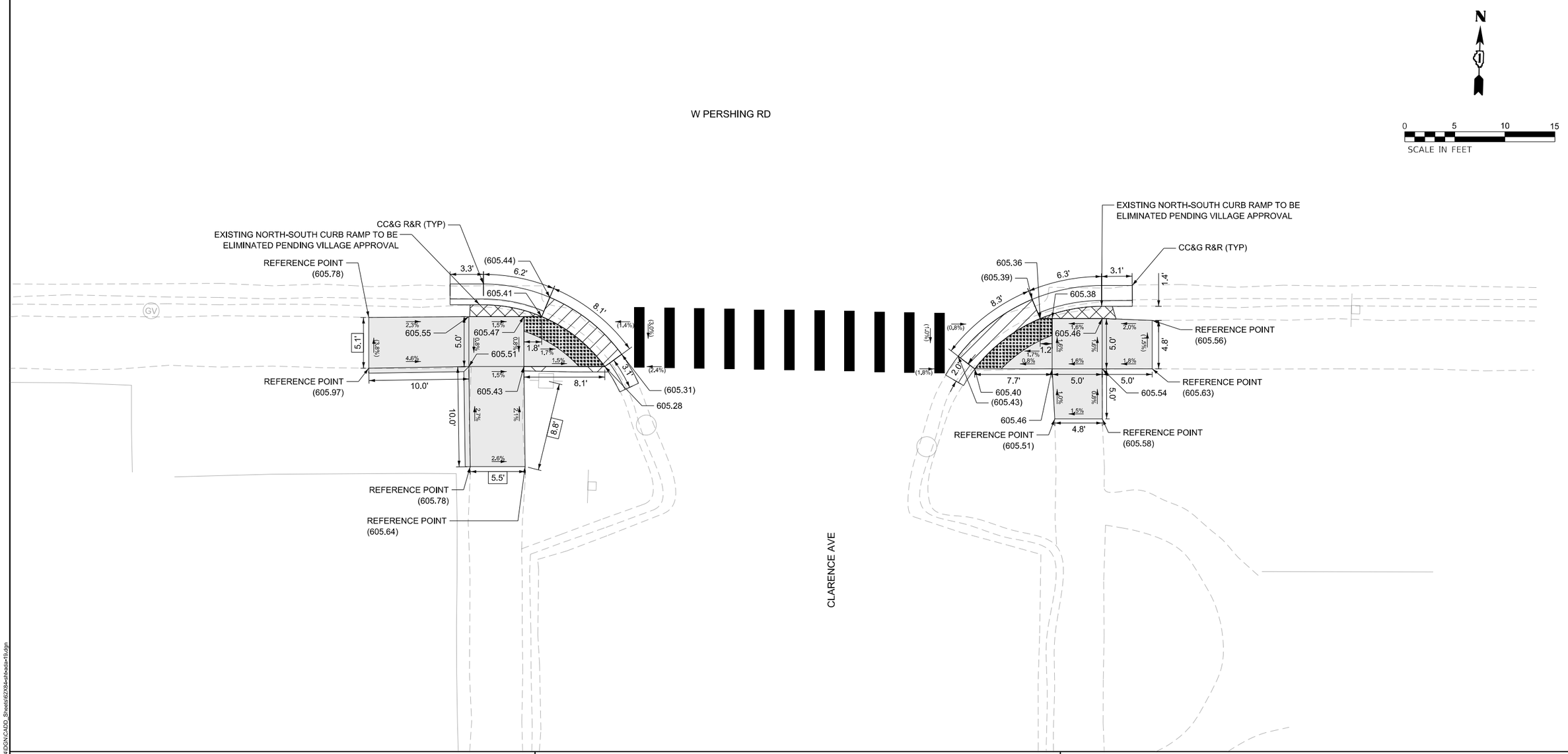
USER NAME = ALane	DESIGNED - AMT	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & WESLEY AVE

SCALE: 1" = 5' | SHEET 17 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	27
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



REFERENCE BENCHMARK: 125, ELEV. 606.187

BENCHMARK: SET "X"

LOCATION: SW CORNER OF PERSHING & CLARENCE

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9580 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

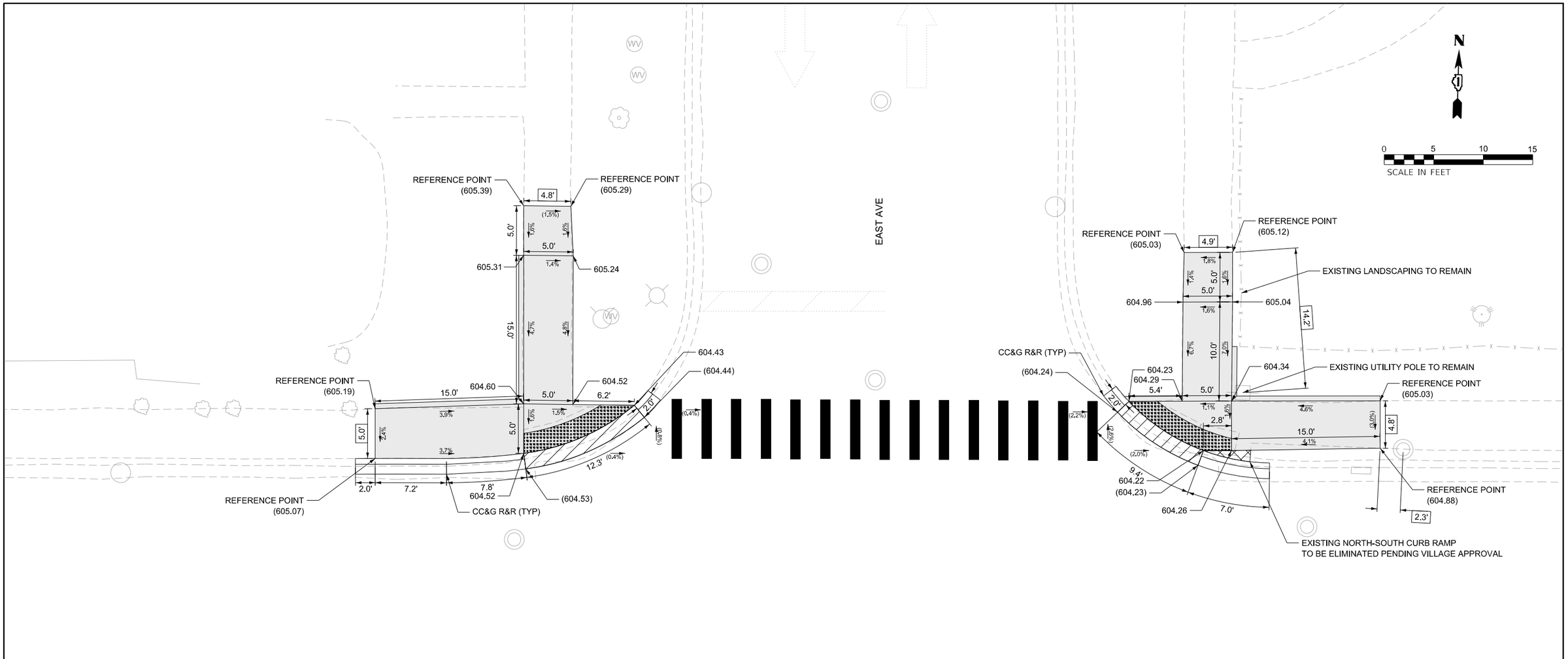
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & CLARENCE AVE

SCALE: 1" = 5' | SHEET 18 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	28
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: \\CHAS\VR1\Projects\CHIP+22\22-4675-00 IDOT Various Phase 2 (PTB 208+002)\WO 27 62X84\DGN\CADD_Sheets\62X84-stheets-19.dgn



REFERENCE BENCHMARK: 126, ELEV. 605.136

BENCHMARK: SET "X"

LOCATION: NW CORNER OF PERSHING & EAST

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane		DESIGNED - AMT		REVISED -	
		DRAWN - AMT		REVISED -	
PLOT SCALE = 10.000 ' / in.		CHECKED - ACL		REVISED -	
		DATE - 06/17/2025			

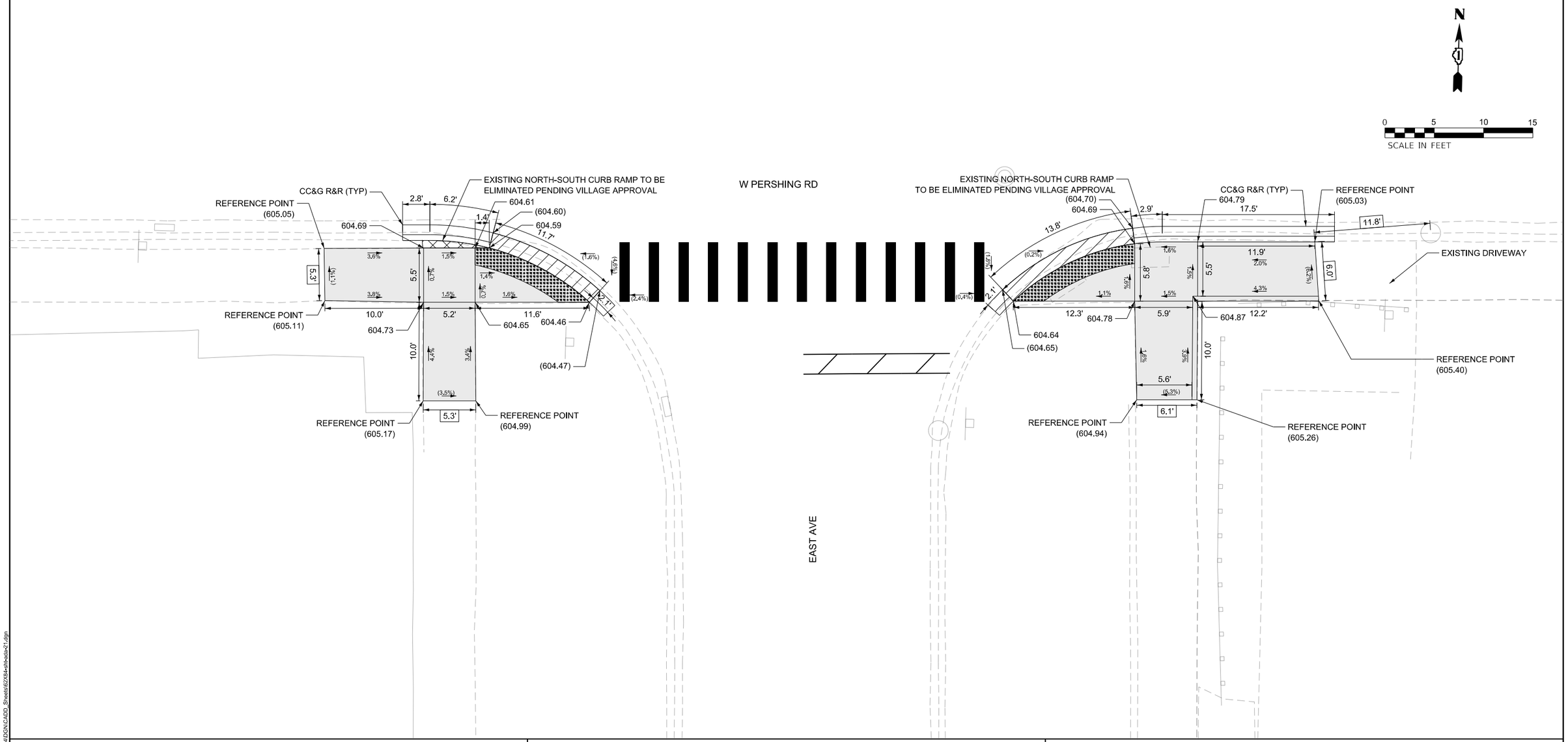
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & EAST AVE

SCALE: 1" = 5' | SHEET 19 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	29
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: \\CH1S-SVR1\Projects\CH1P+22\22-48\75-00 IDOT Various Phase 2 (PTB 206-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sheets-20.dgn



REFERENCE BENCHMARK: 126, ELEV. 605.136

BENCHMARK: SET "X"

LOCATION: NW CORNER OF PERSHING & EAST

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CHSVR1\Projects\CHI\P-2122-4075-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-sta-21.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

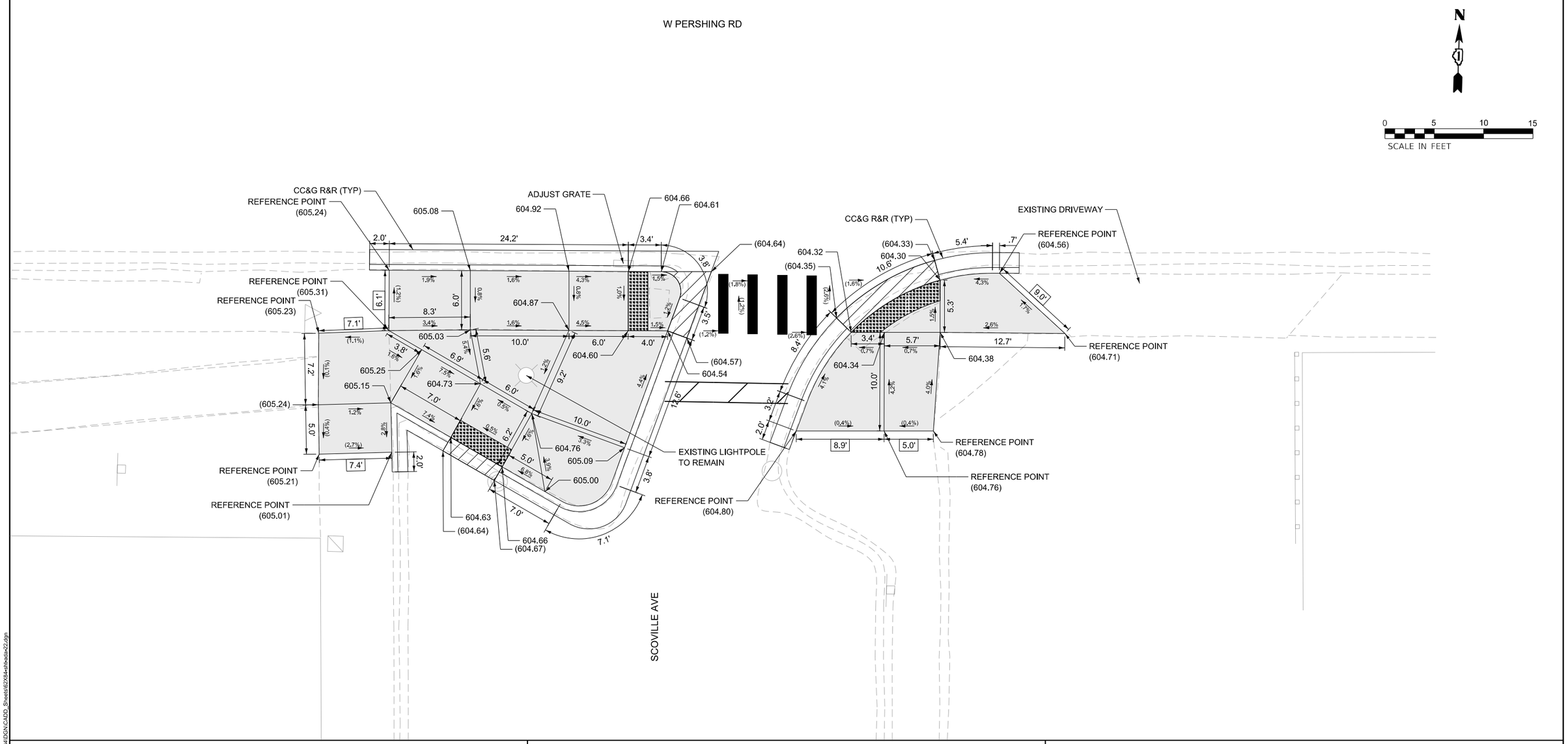
USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & EAST AVE

SCALE: 1" = 5' | SHEET 20 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	30
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



REFERENCE BENCHMARK: 128, ELEV. 605.387

BENCHMARK: SET "X"

LOCATION: SW CORNER OF PERSHING & SCOVILLE

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CHSVR1\Projects\CHP-2222-4875<00 IDOT Various Phase 2 (PTB 205-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-ada-sheets22.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9568 | F 312.425.9564 | www.infrastructure-eng.com

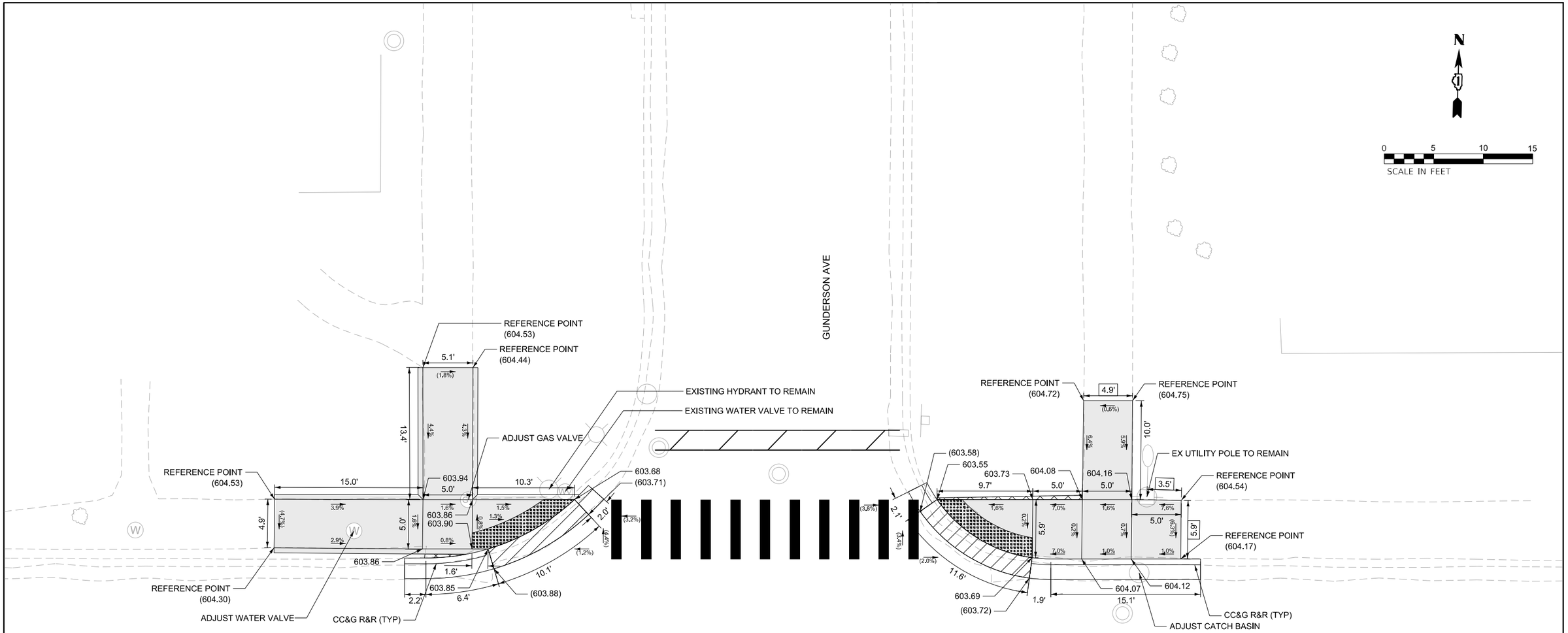
USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & SCOVILLE AVE

SCALE: 1" = 5' | SHEET 21 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	31
		CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	



REFERENCE BENCHMARK: 130, ELEV. 604.149

BENCHMARK: SET "X"

LOCATION: SE CORNER OF PERSHING & GUNDERSON

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CH4SVR1\Projects\CHIP-22222-46775-00 IDOT Various Phase 2 (PTB 206-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-ada-23.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

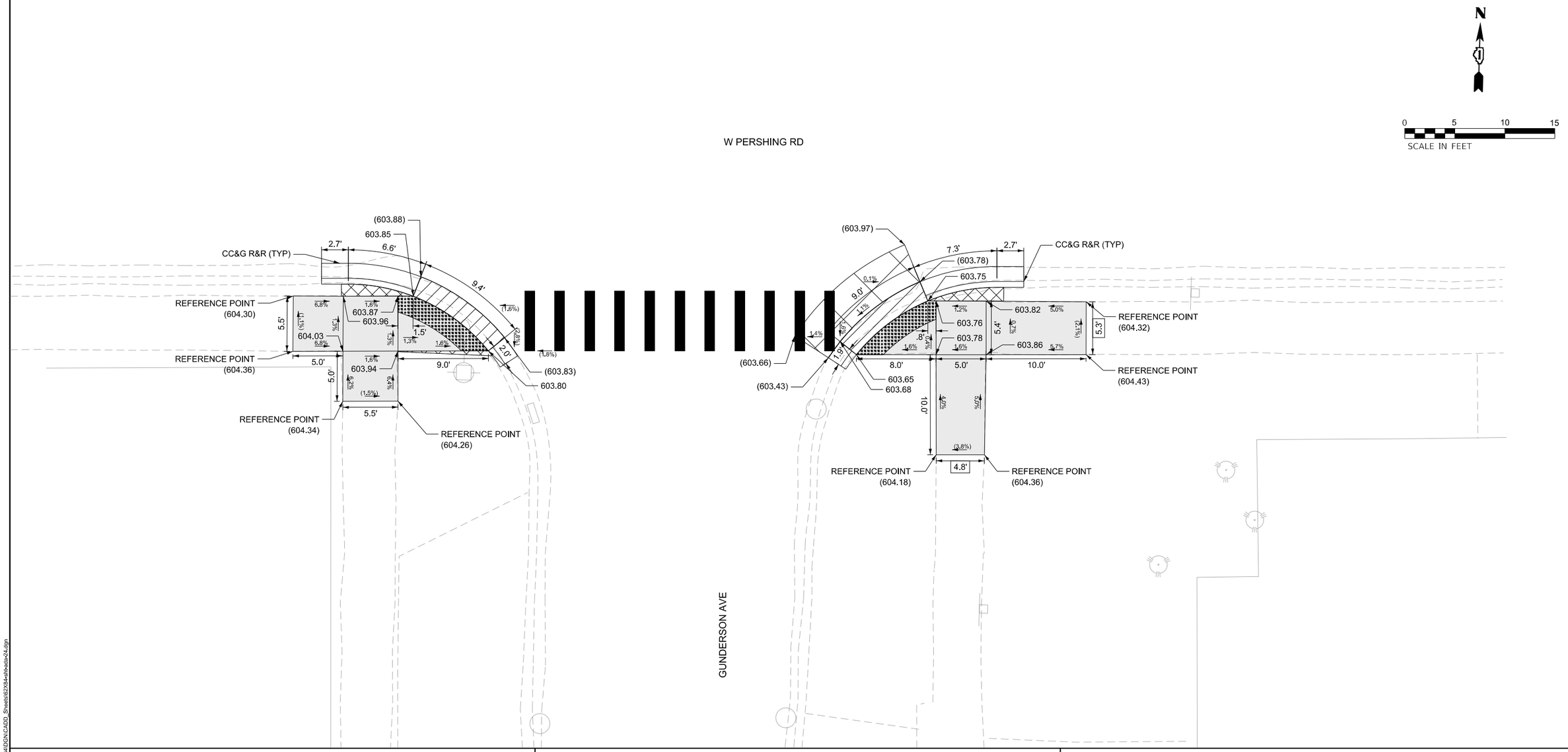
USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & GUNDERSON AVE

SCALE: 1" = 5' | SHEET 22 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	32
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



REFERENCE BENCHMARK: 130, ELEV. 604.149

BENCHMARK: SET "X"

LOCATION: SE CORNER OF PERSHING & GUNDERSON

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	CLASS D PATCHES
APS	PROPOSED PEDSTRIAN PUSHBUTTON

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

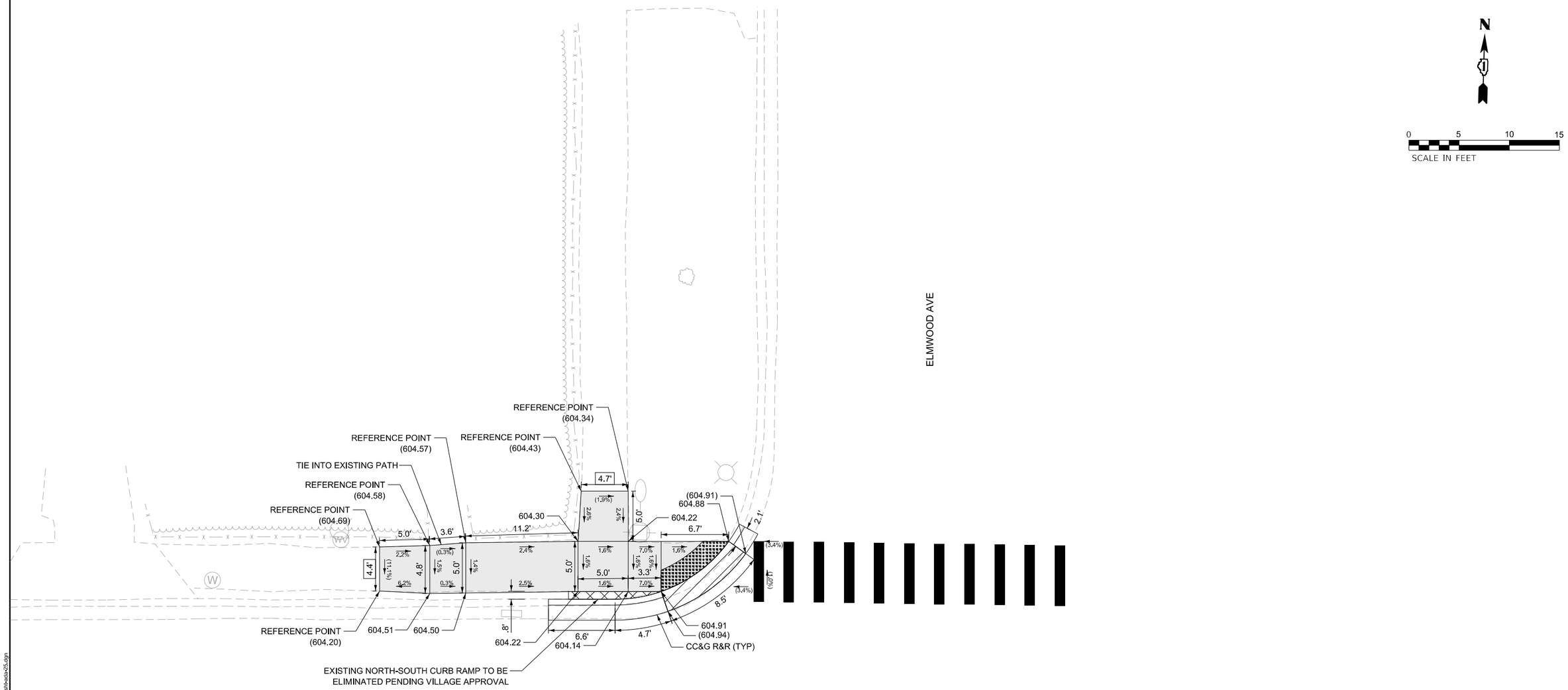
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & GUNDERSON AVE

SCALE: 1" = 5' | SHEET 23 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	33
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: \\CHSVR1\Projects\CHIP-22224-46750-00 IDOT Various Phase 2 (PTB 206-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-dtl-ada-24.dgn



REFERENCE BENCHMARK: 132, ELEV. 604.170

BENCHMARK: SET "X"

LOCATION: SW CORNER OF PERSHING & ELMWOOD

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	PAVEMENT REMOVAL
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CH4SVR1\Projects\CHIPS-22\22-4975-00 IDOT Various Phase 2 (PTB 208-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-ehsdta-25.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9580 | F 312.425.9564 | www.infrastructureeng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & ELMWOOD AVE

SCALE: 1" = 5' | SHEET 24 OF 26 SHEETS | STA. | TO STA.

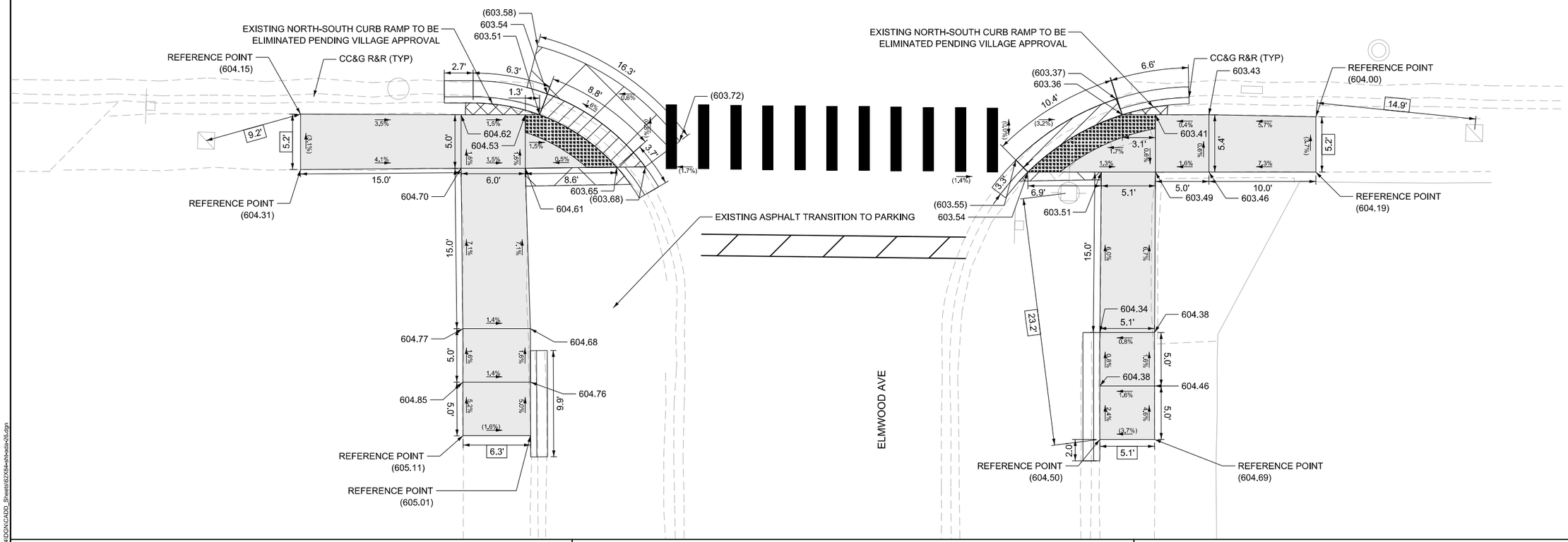
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	34
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

N

0 5 10 15

SCALE IN FEET

W PERSHING RD



REFERENCE BENCHMARK: 132, ELEV. 604.170

BENCHMARK: SET "X"

LOCATION: SW CORNER OF PERSHING & ELMWOOD

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH
( )	EXISTING ELEVATION / SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD
	DEPRESSED CURB AND GUTTER
	PROPOSED SIDE CURB
	CLASS D PATCHES
APS	PROPOSED PEDSTRIAN PUSHBUTTON

MODEL: Default
FILE NAME: \\CH4SVR1\Projects\CHIP\-22022-4467\-50 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sheets-29.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

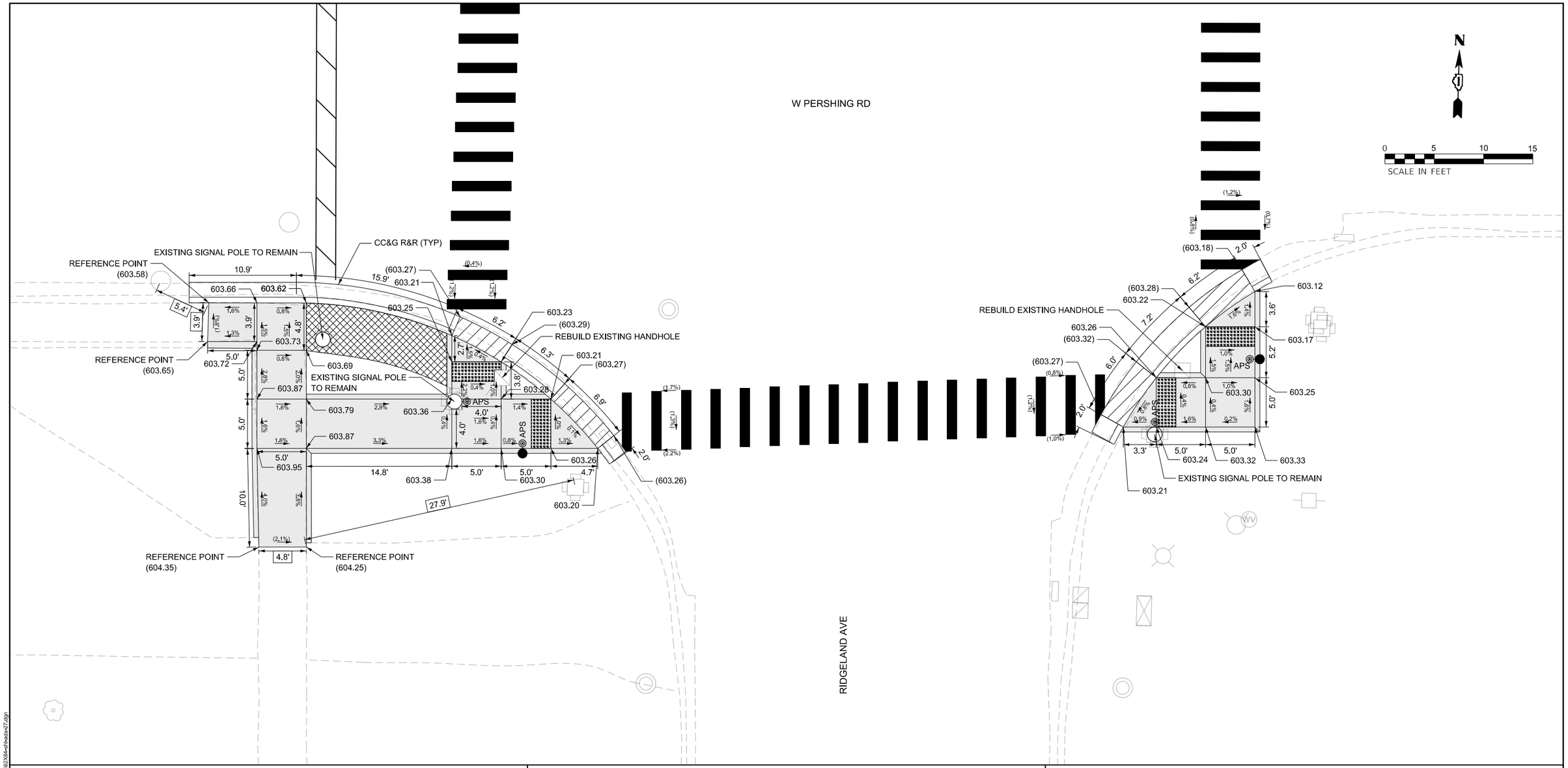
USER NAME = ALane	DESIGNED - AMT	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & ELMWOOD AVE

SCALE: 1" = 5' | SHEET 25 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	35
		CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			



REFERENCE BENCHMARK: 134, ELEV. 608.418

BENCHMARK: SET "X"

LOCATION: NE CORNER OF PERSHING & RIDGELAND

NOTES

1. CONTRACTOR TO CORRECT CROSS SLOPE TO LESS THAN 2% WITHIN CROSSWALK WITH THE MILLING MACHINE.

LEGEND

XX.XX'	EXISTING LENGTH	APS	PROPOSED PEDSTRIAN PUSHBUTTON
( )	EXISTING ELEVATION / SLOPE		
	PROPOSED SIDEWALK		
	DETECTABLE WARNINGS		
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL AND SOD		
	DEPRESSED CURB AND GUTTER		
	PROPOSED SIDE CURB		
	PAVEMENT REMOVAL		

INFRASTRUCTURE ENGINEERING INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.435.9580 | F 312.435.9584 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - AMT	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
W PERSHING RD & RIDGELAND AVE

SCALE: 1" = 5' | SHEET 26 OF 26 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	36
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: P:\Pr\2022\4875-00 IDOT Various Phase 2 (PTB 208-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sheetsta-27.dgn

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	RR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	J	
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RR	RR
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	P	P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	P RB	P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist\Std22x34\CADData\CADsheets\ts05.dgn

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	37
	TS-05	CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

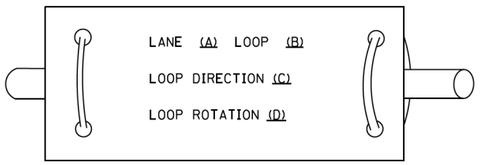
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

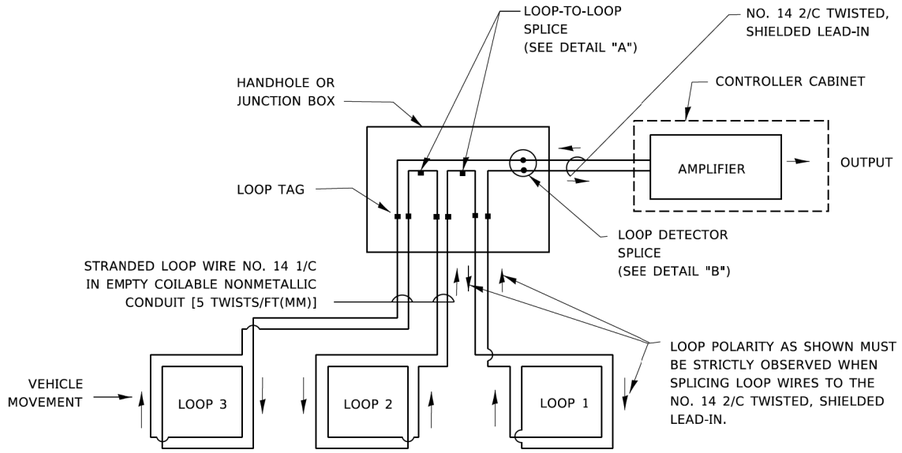


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

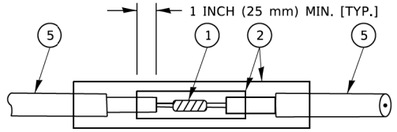
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

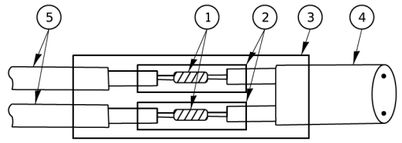


DETECTOR LOOP WIRING SCHEMATIC

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

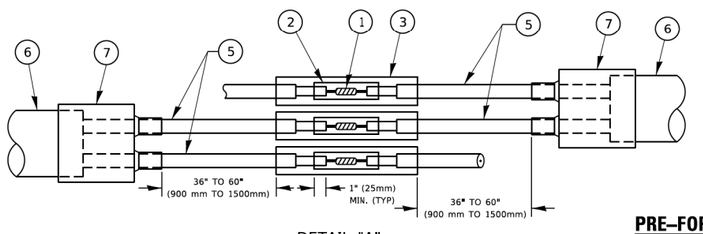


DETAIL "A"
LOOP-TO-LOOP SPLICE



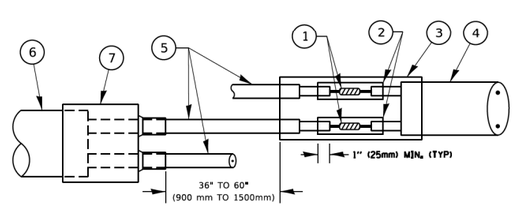
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.Illinois.gov:PWIDOT\Documents\IDOT Office\1District 1\Projects\D1ts1d22x3at\CADData\CADsheets\ts05.dgn

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

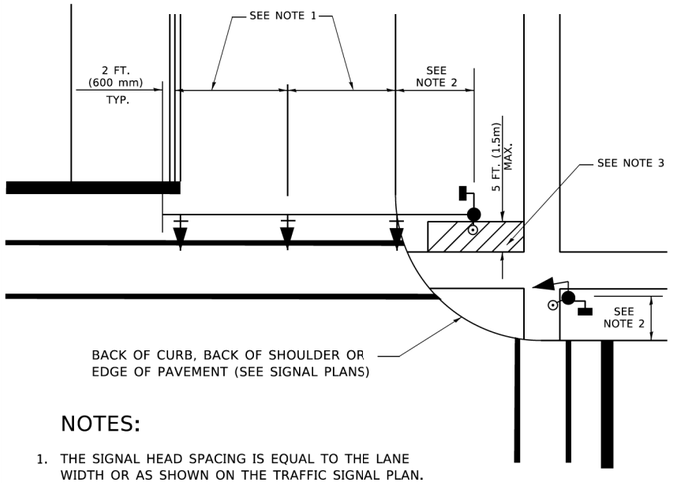
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	38
	TS-05	CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

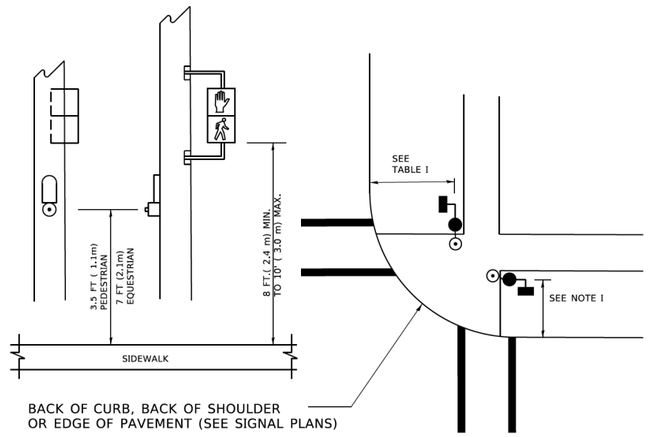
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

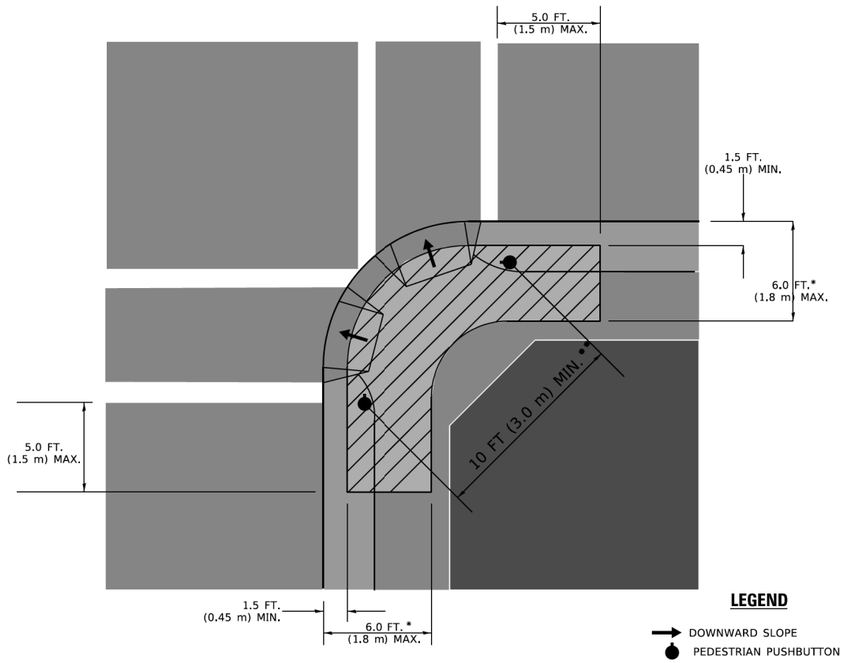
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

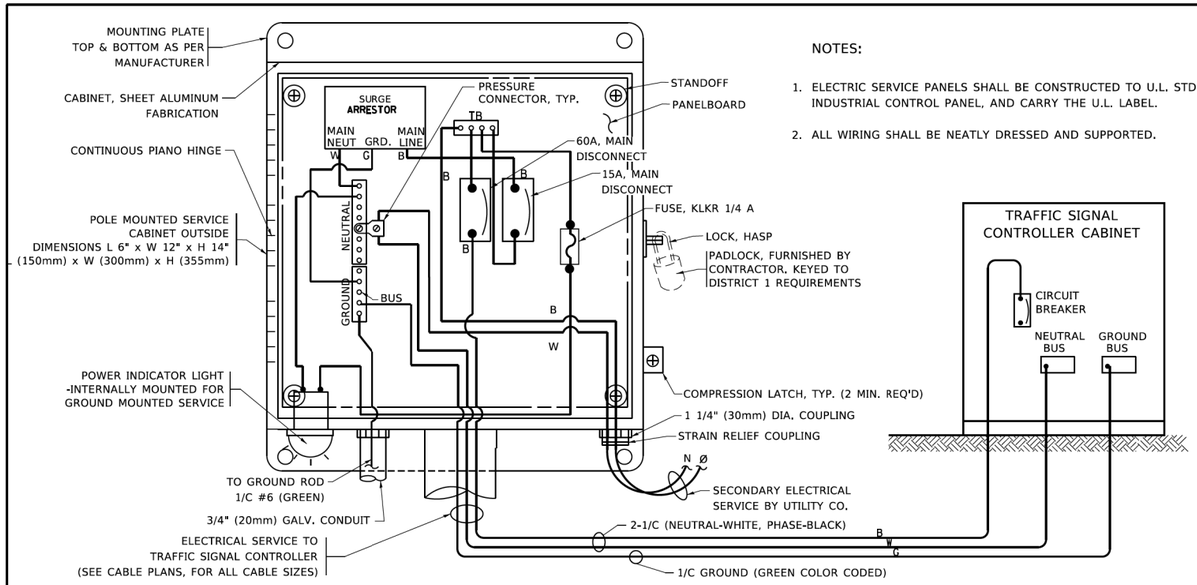
USER NAME = footemj	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	39
	TS-05	CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			



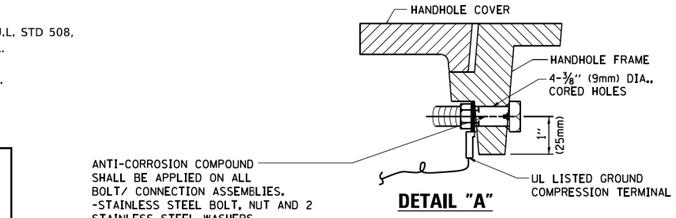
NOTES:

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

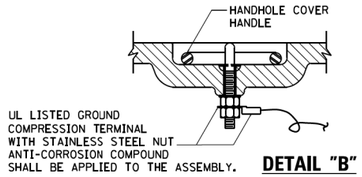
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



DETAIL "A"

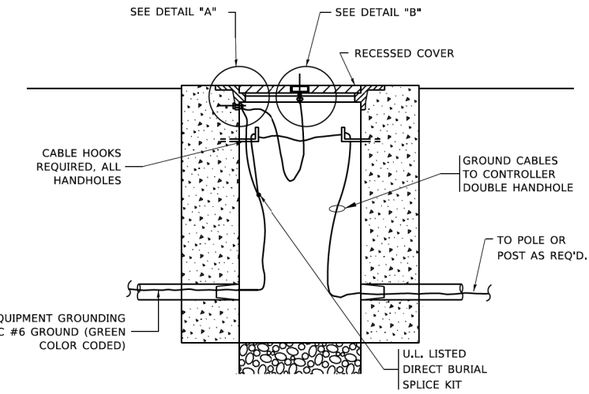


DETAIL "B"

NOTES:

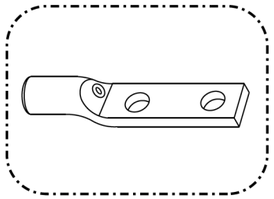
GROUNDING SYSTEM

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

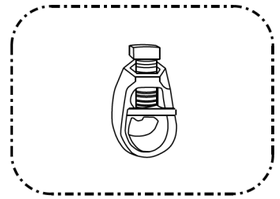


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



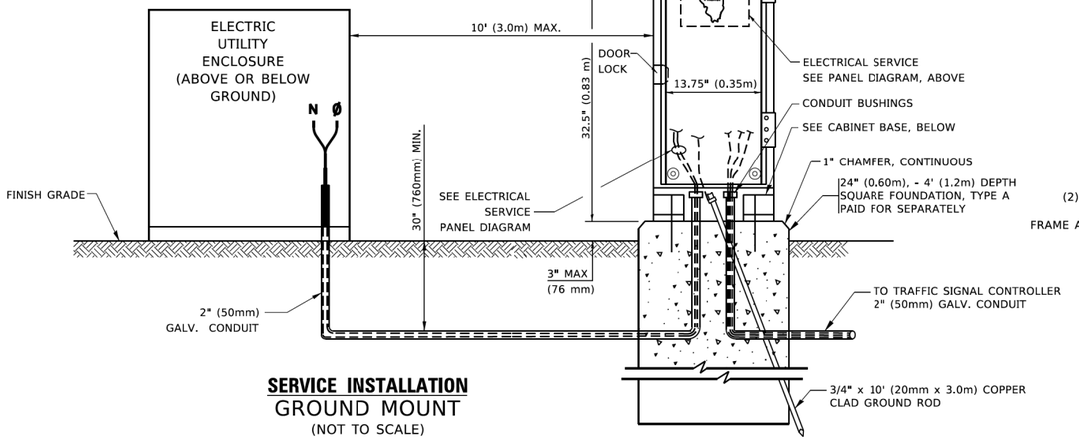
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

NOTES:

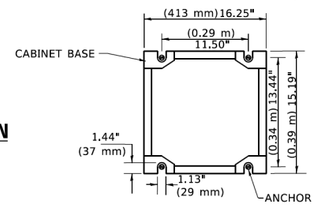
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION

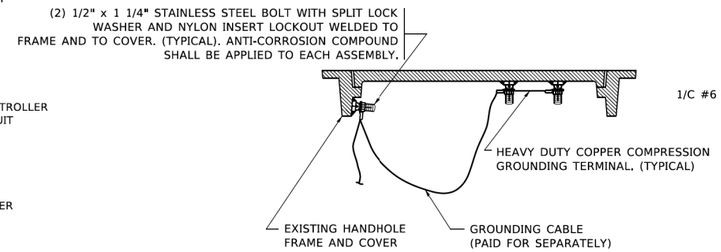
GROUND MOUNT

(NOT TO SCALE)



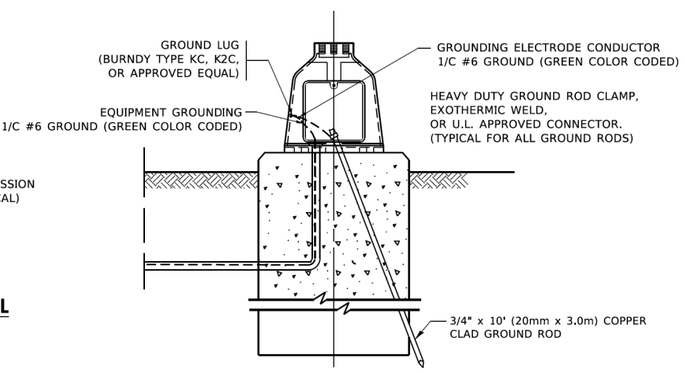
CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

MODEL: Default
FILE NAME: pw:\\IL084:EIIDJNTEG.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Distfd22x34\CAD\Data\CAD\sheets\ts05.dgn

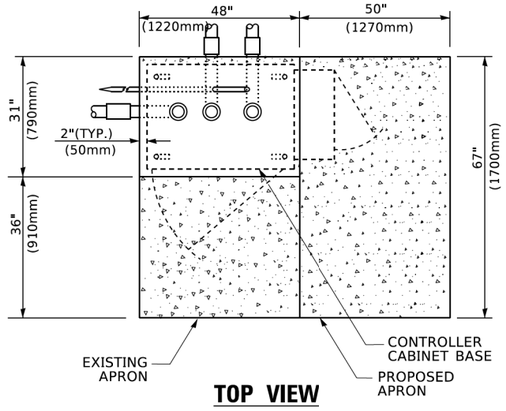
USER NAME = footemj	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

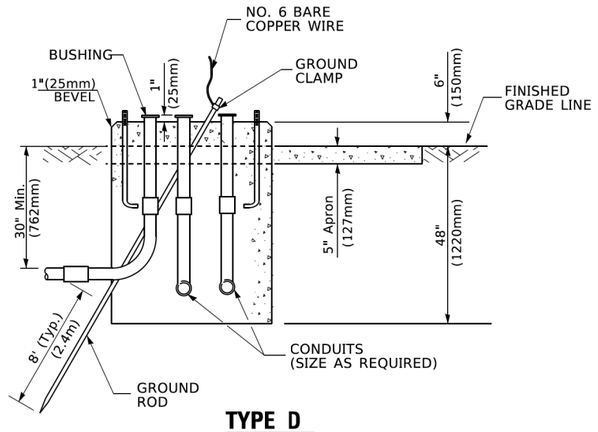
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

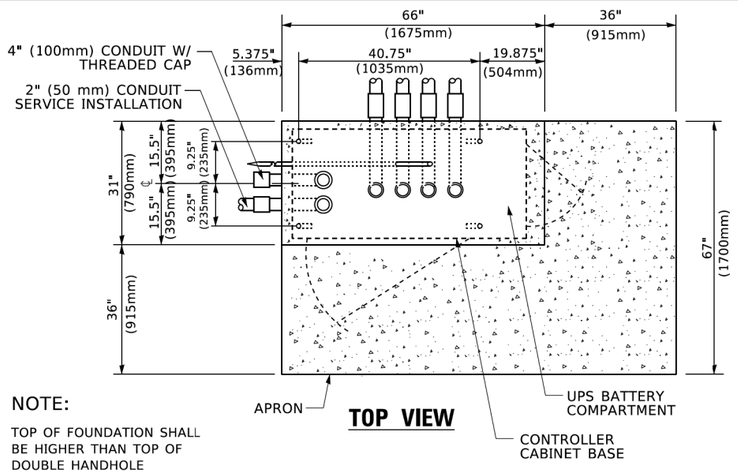
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	40
	TS-05	CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



TOP VIEW



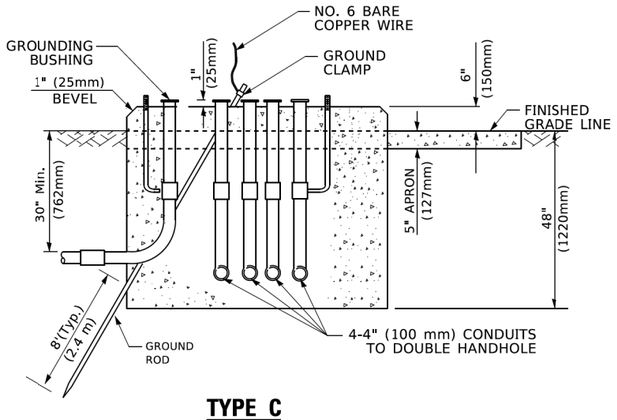
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



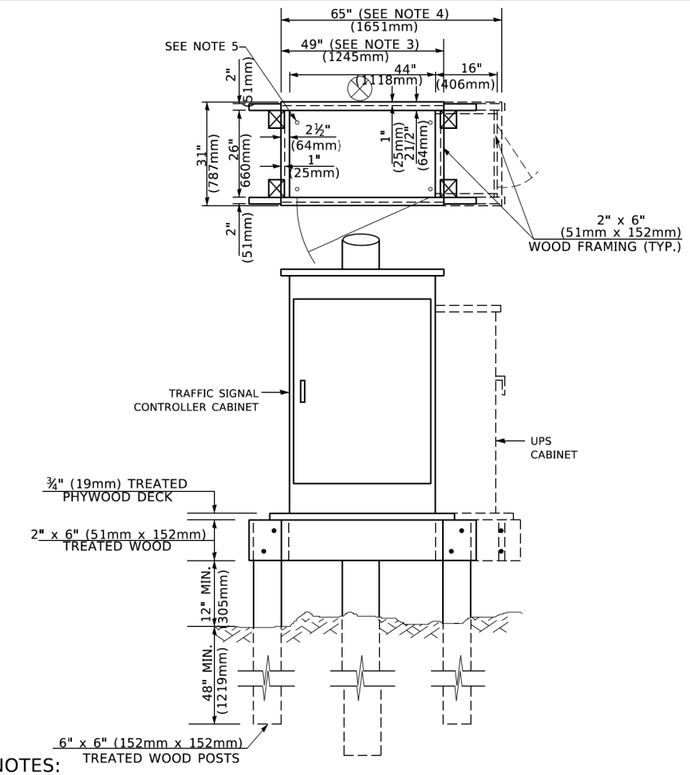
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



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



NOTES:

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

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

MODEL: Default
FILE NAME: pw:\\IL084:EIBIDNTEG.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist1Std22x34\CADData\CADSheets\ts05.dgn

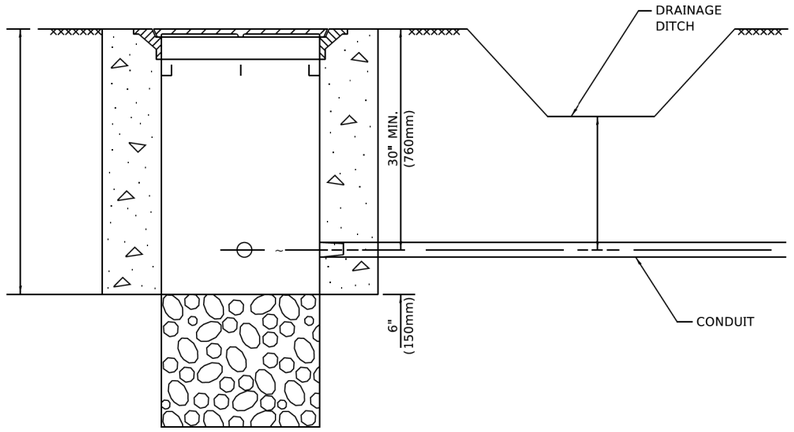
USER NAME = footemj	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	41
	TS-05	CONTRACT NO.62X84		
	ILLINOIS FED. AID PROJECT			

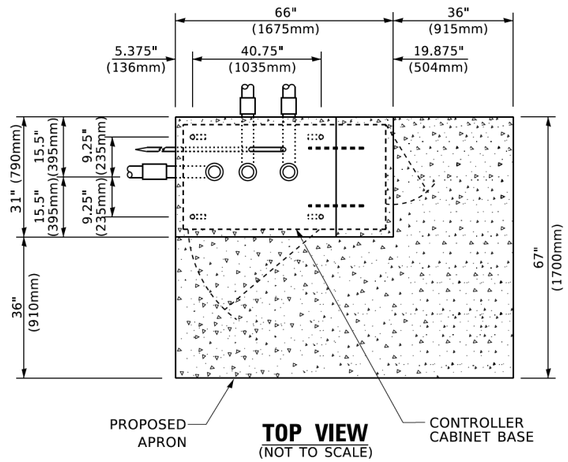


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) 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.

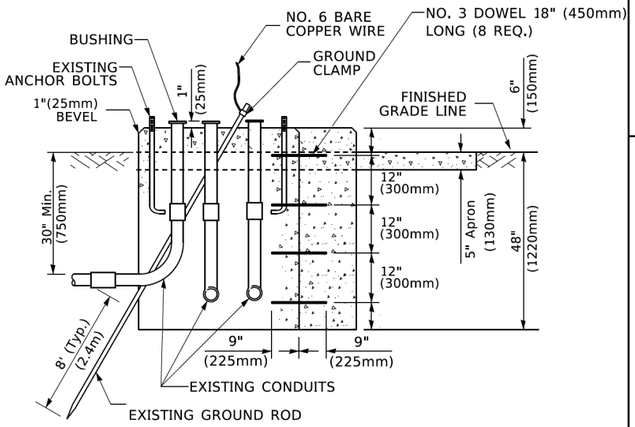
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



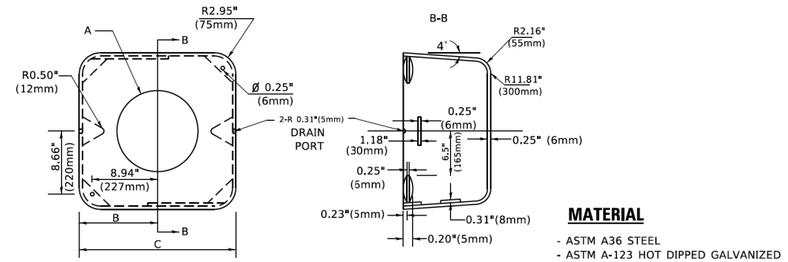
TOP VIEW

(NOT TO SCALE)



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

(NOT TO SCALE)



MATERIAL

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

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

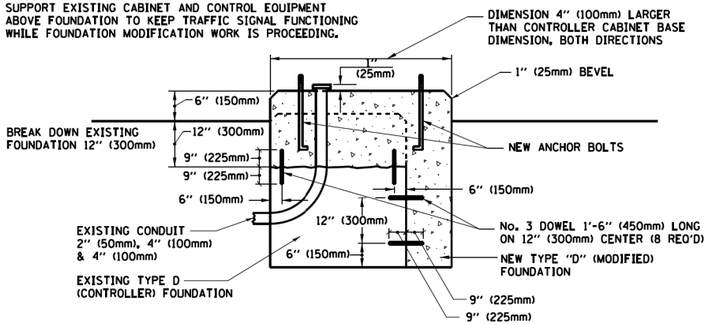
SHROUD

NOTES:

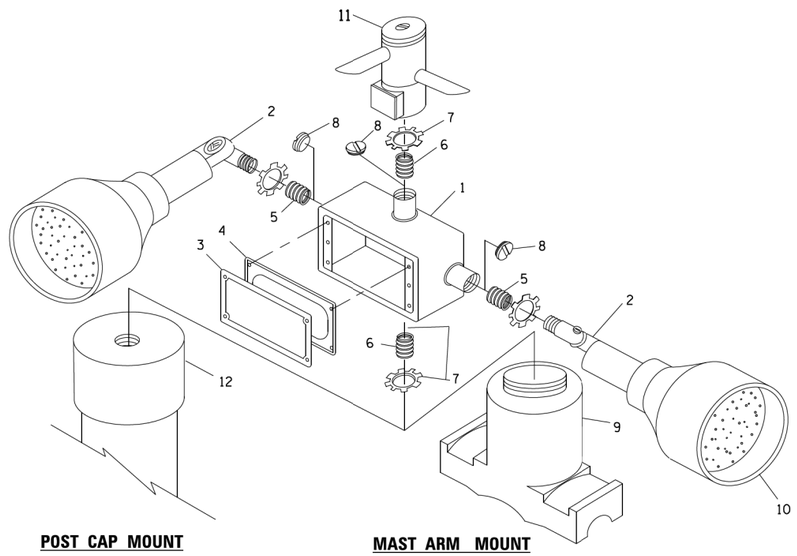
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



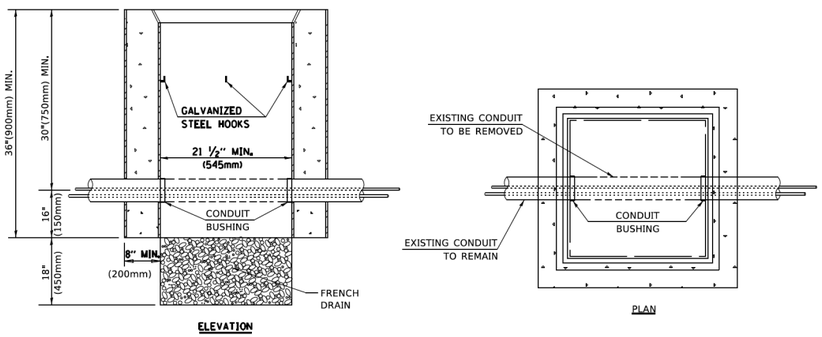
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

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



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

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

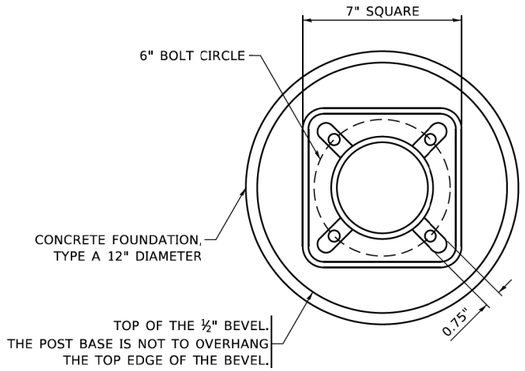
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	42
	TS-05	CONTRACT NO.62X84		
	ILLINOIS FED. AID PROJECT			

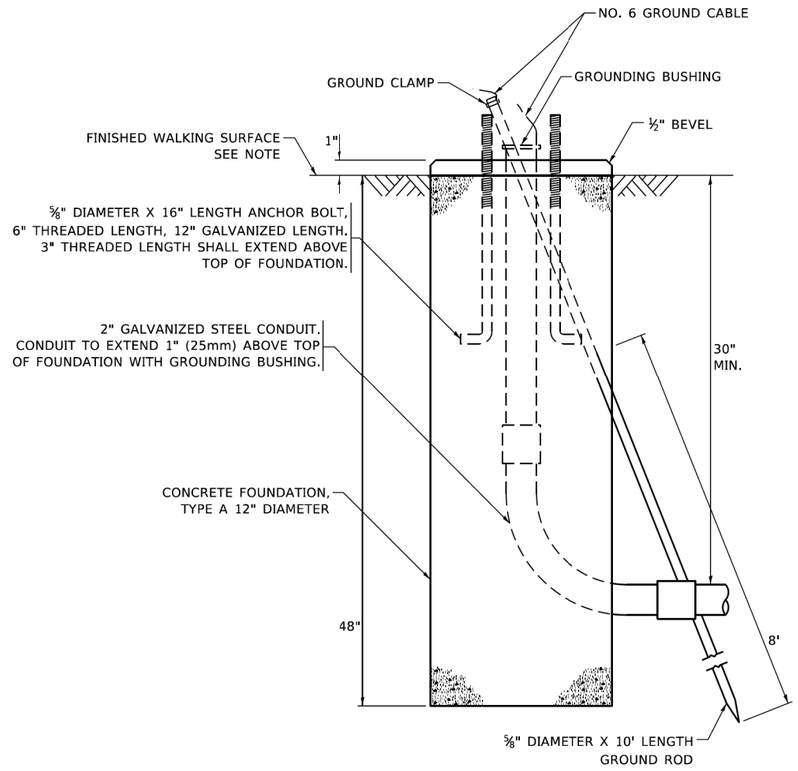
MODEL: Default
FILE NAME: pw:\\IL084EBIDNTEC.Illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\0445t022x34\CADData\CADSheets\ts05.dgn



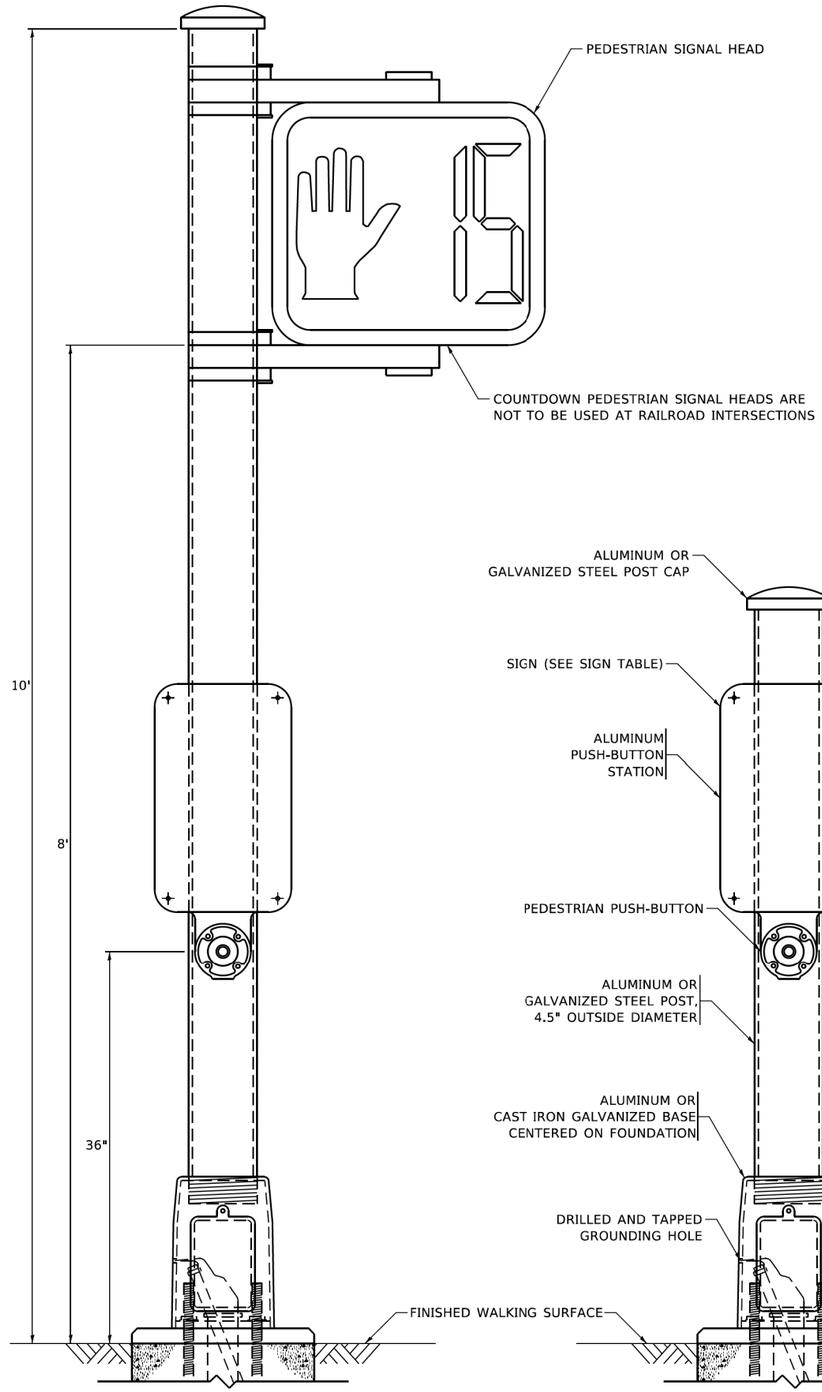
BOLT PATTERN

NOTE:

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



CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER

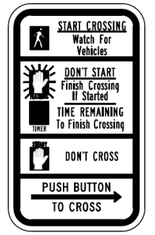


PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.

R10–3b

R10–3d



R10–3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

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

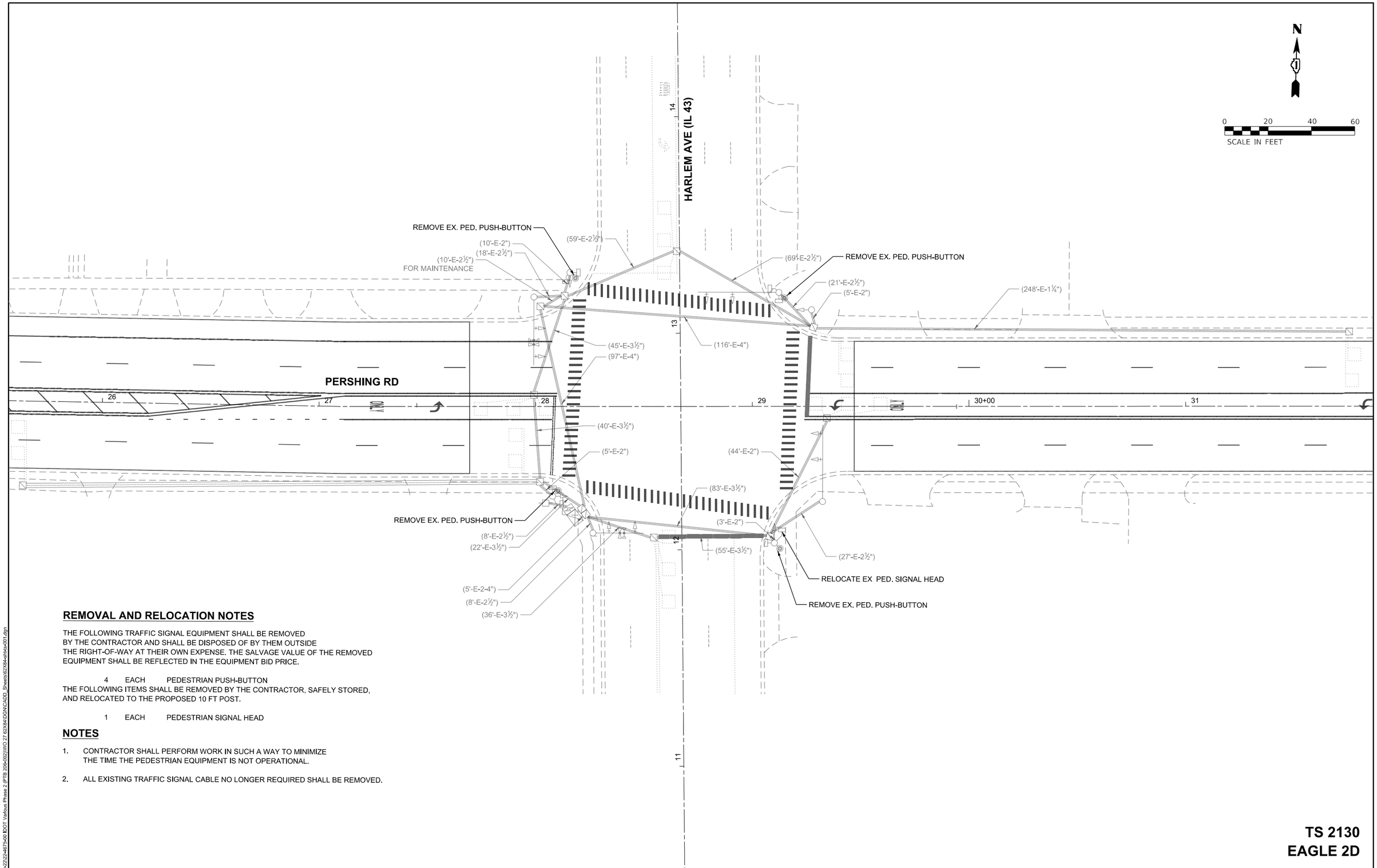
USER NAME = gaglianobt	DESIGNED - IP	REVISED - 10-15-2020	
	DRAWN - IP	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - LP	REVISED -	
PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -	

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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	43
	TS–05	CONTRACT NO. 62X84		
		ILLINOIS FED. AID PROJECT		



REMOVAL AND RELOCATION NOTES

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

4 EACH PEDESTRIAN PUSH-BUTTON

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED 10 FT POST.

1 EACH PEDESTRIAN SIGNAL HEAD

NOTES

1. CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

TS 2130
EAGLE 2D

MODEL: Default
FILE NAME: P:\P-22\22-4972-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-001.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.435.9580 | F 312.435.9584 | www.infrastructure-eng.com

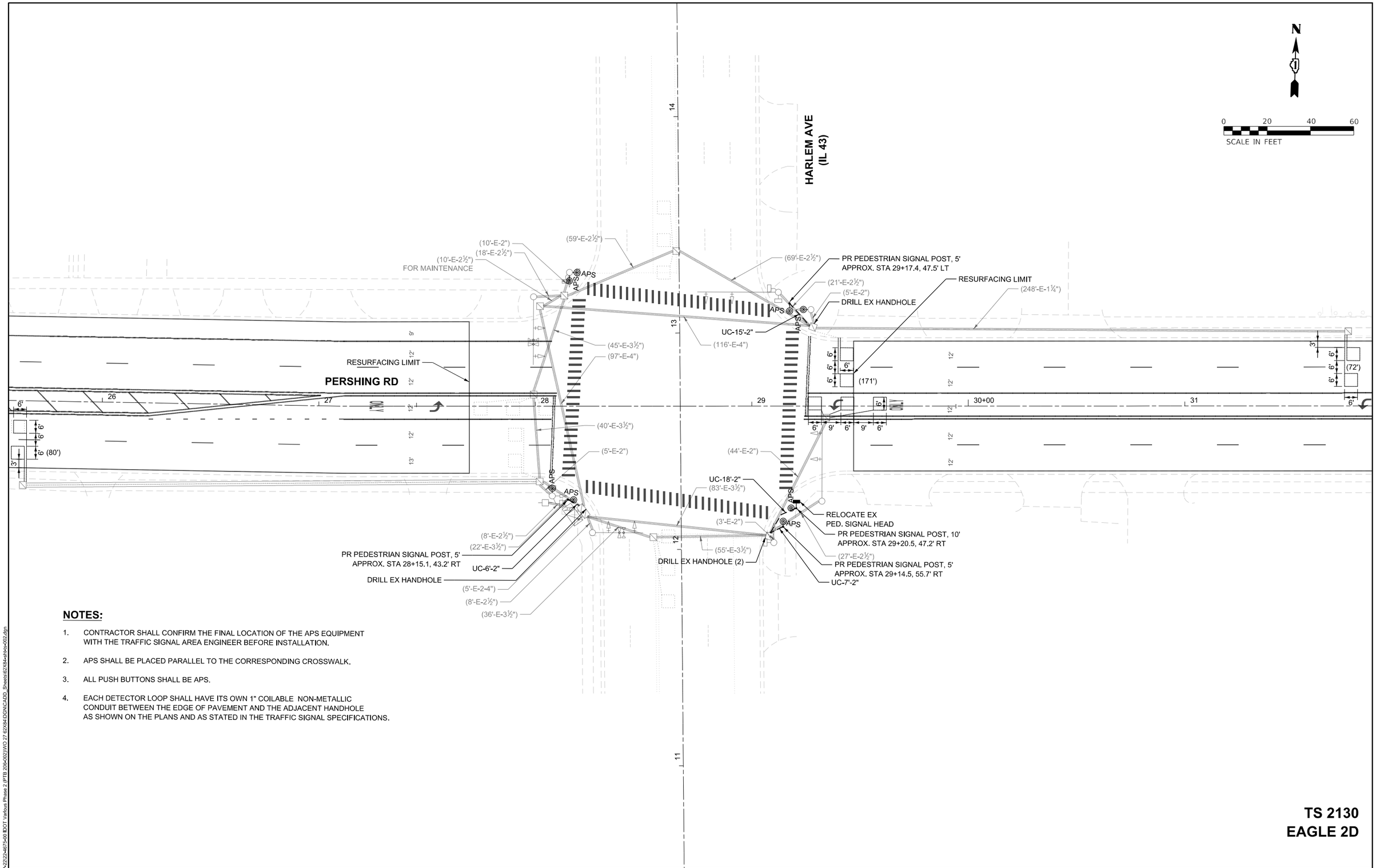
USER NAME = ALane	DESIGNED - MPK	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 1" = 20'	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL PLAN
PERSHING RD & HARLEM AVE (IL 43)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	44
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
3. ALL PUSH BUTTONS SHALL BE APS.
4. 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.

TS 2130
EAGLE 2D

MODEL: Default
FILE NAME: P:\Pr-22\22-4677-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-002.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - MPK	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 1" = 20'	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

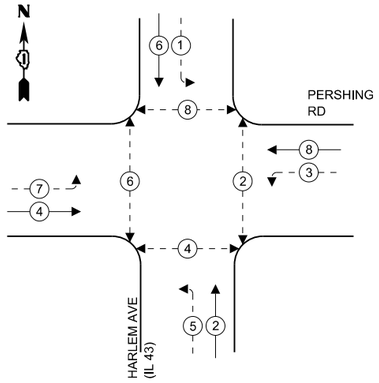
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
PERSHING RD & HARLEM AVE (IL 43)

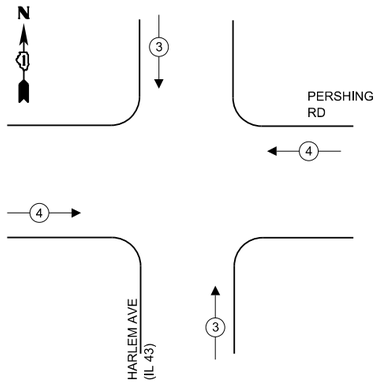
SCALE: 1" = 20' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	45
		CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	

EXISTING AND PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	46
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1002
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	145
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	66
DRILL EXISTING HANDHOLE	EACH	4
DETECTOR LOOP, TYPE I	FOOT	323
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	563
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

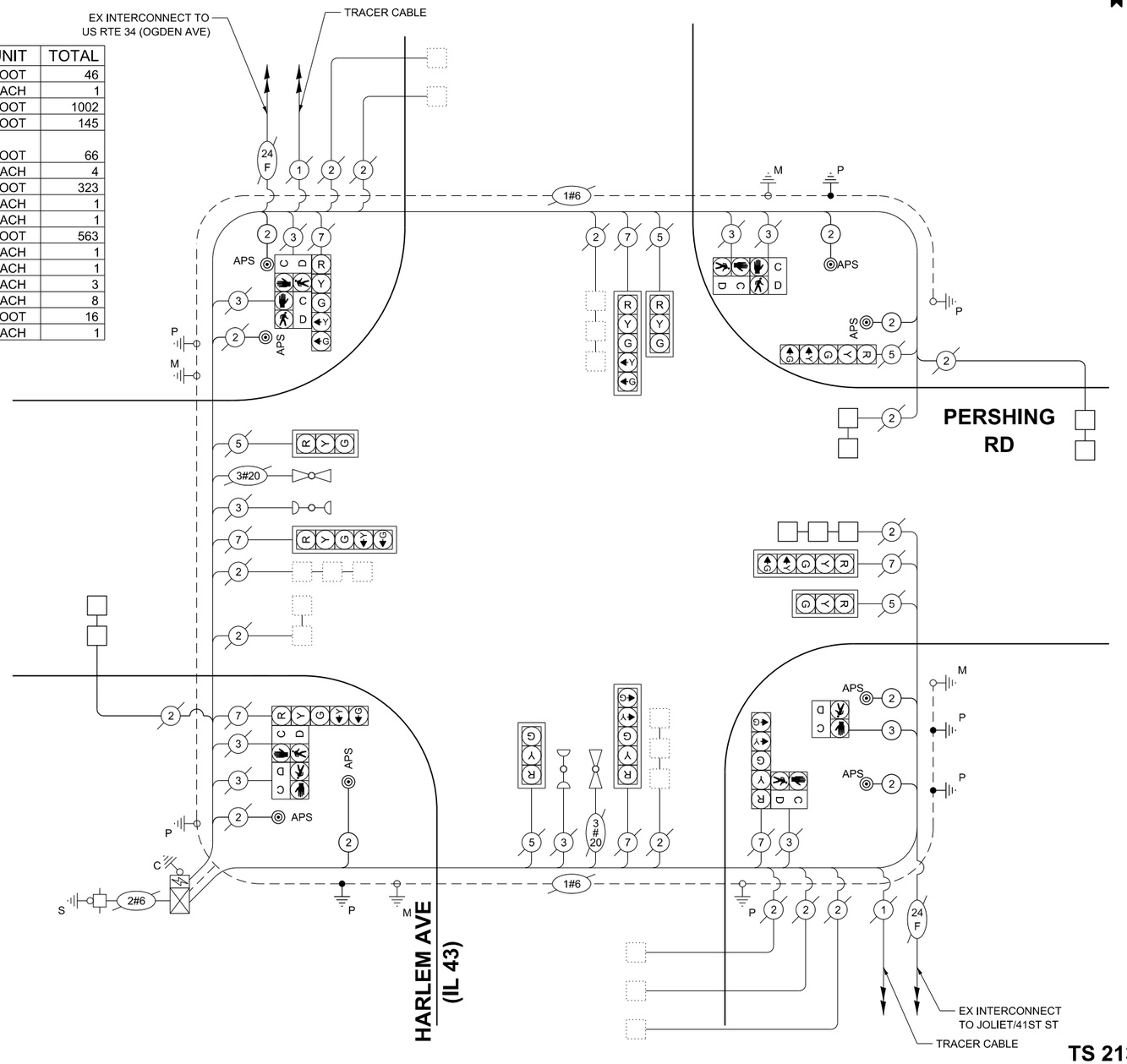
EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			443
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			1048

ENERGY COSTS TO:
VILLAGE OF STICKNEY

6533 PERSHING ROAD
STICKNEY, IL 60402

ENERGY SUPPLY:

CONTACT: JUANITA VEIGELT
PHONE: (815) 724-5657
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER:
METER NUMBER:



CABLE PLAN
(NOT TO SCALE)

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9588 | F 312.425.9584 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - MPK	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = NTS	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

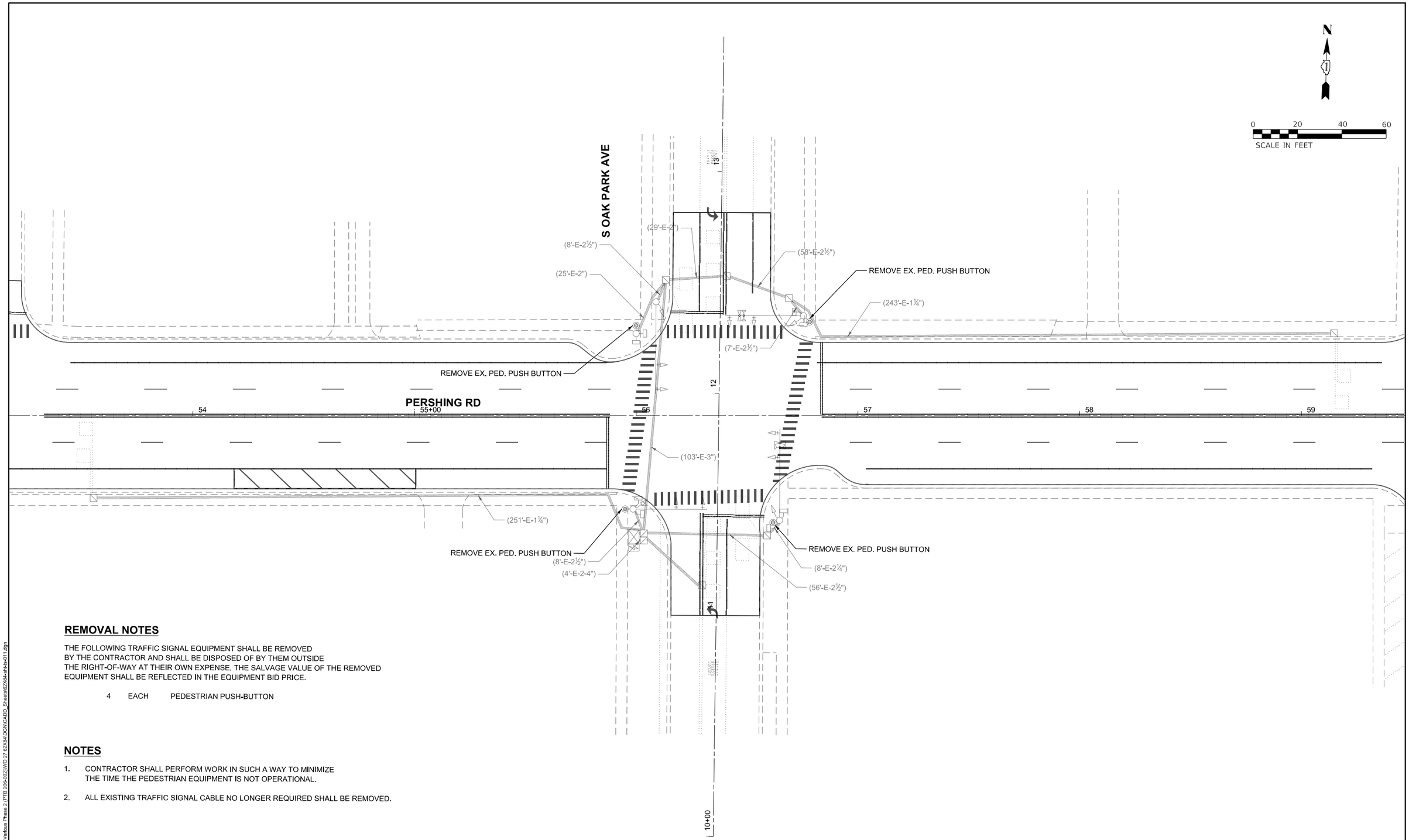
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQ.
PERSHING RD & HARLEM AVE (IL 43)

SCALE: NTS | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	46
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: P:\Pe\2022\4d97s40 IDOT Various Phase 2 (PTB 208+002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-ss003.dgn



REMOVAL NOTES

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

4	EACH	PEDESTRIAN PUSH-BUTTON

NOTES

1. CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.

2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

TS 3790
EAGLE 8I

MODEL: Default
FILE NAME: P:\24-2122-4\075-00 IDOT Vietnot Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-ts-011-dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

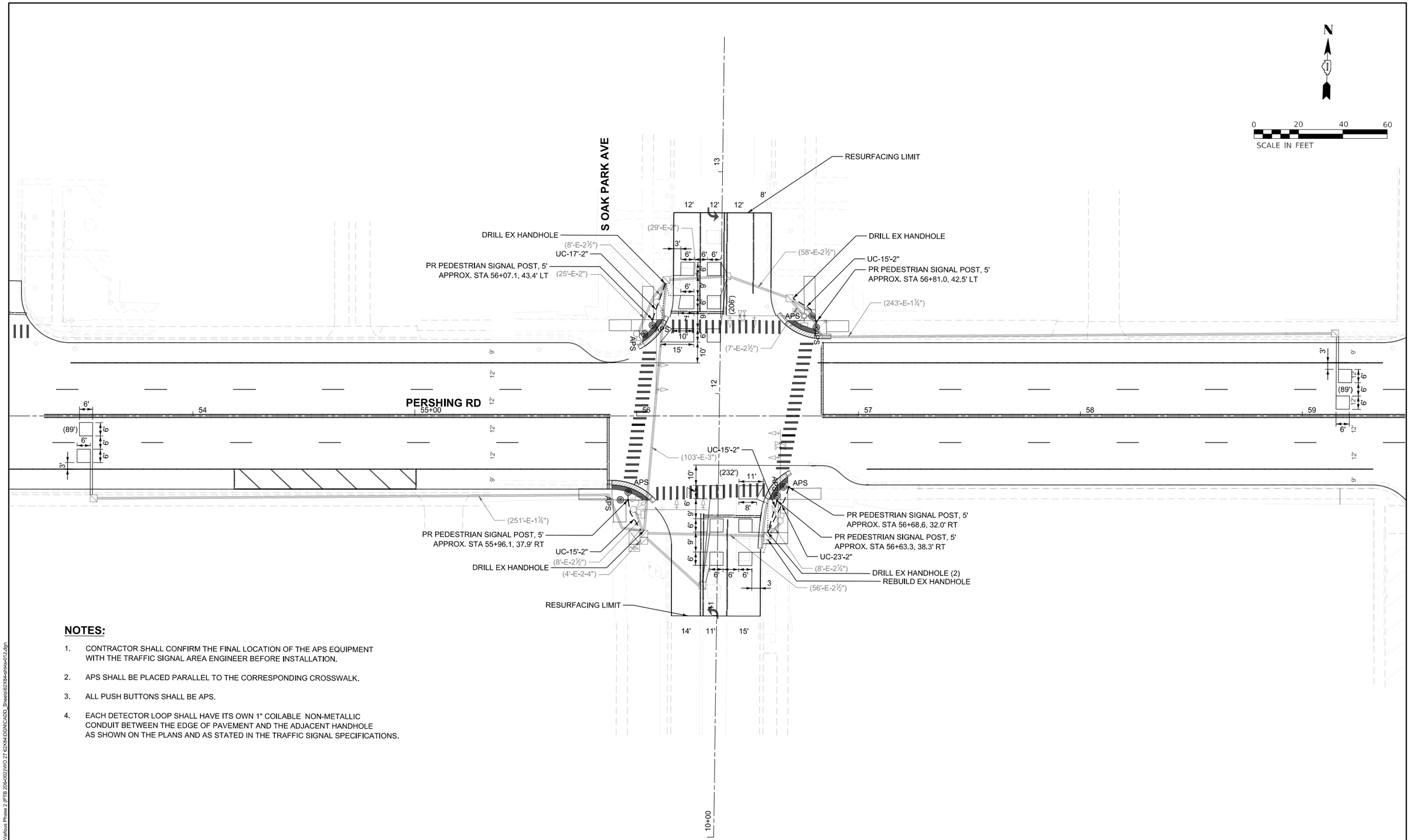
USER NAME = ALane	DESIGNED - MPK	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 1" = 20'	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL PLAN
PERSHING RD & S OAK PARK AVE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	47
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
3. ALL PUSH BUTTONS SHALL BE APS.
4. 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.

TS 3790
EAGLE 8I

MODEL: Default
FILE NAME: P:\P-2122-4075-00 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-ts-3790.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - MPK	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 1" = 20'	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

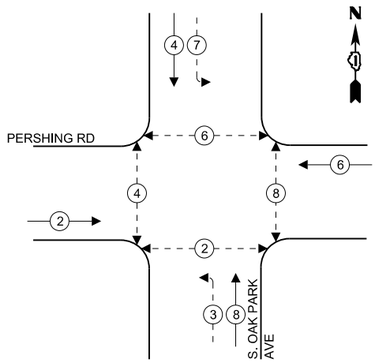
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
PERSHING RD & S OAK PARK AVE

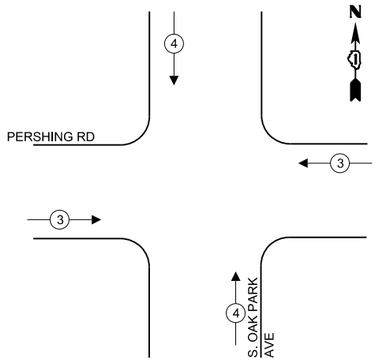
SCALE: 1" = 20' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	48
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

EXISTING AND PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	85
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	722
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	110
DRILL EXISTING HANDHOLE	EACH	5
DETECTOR LOOP, TYPE I	FOOT	616
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	138
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

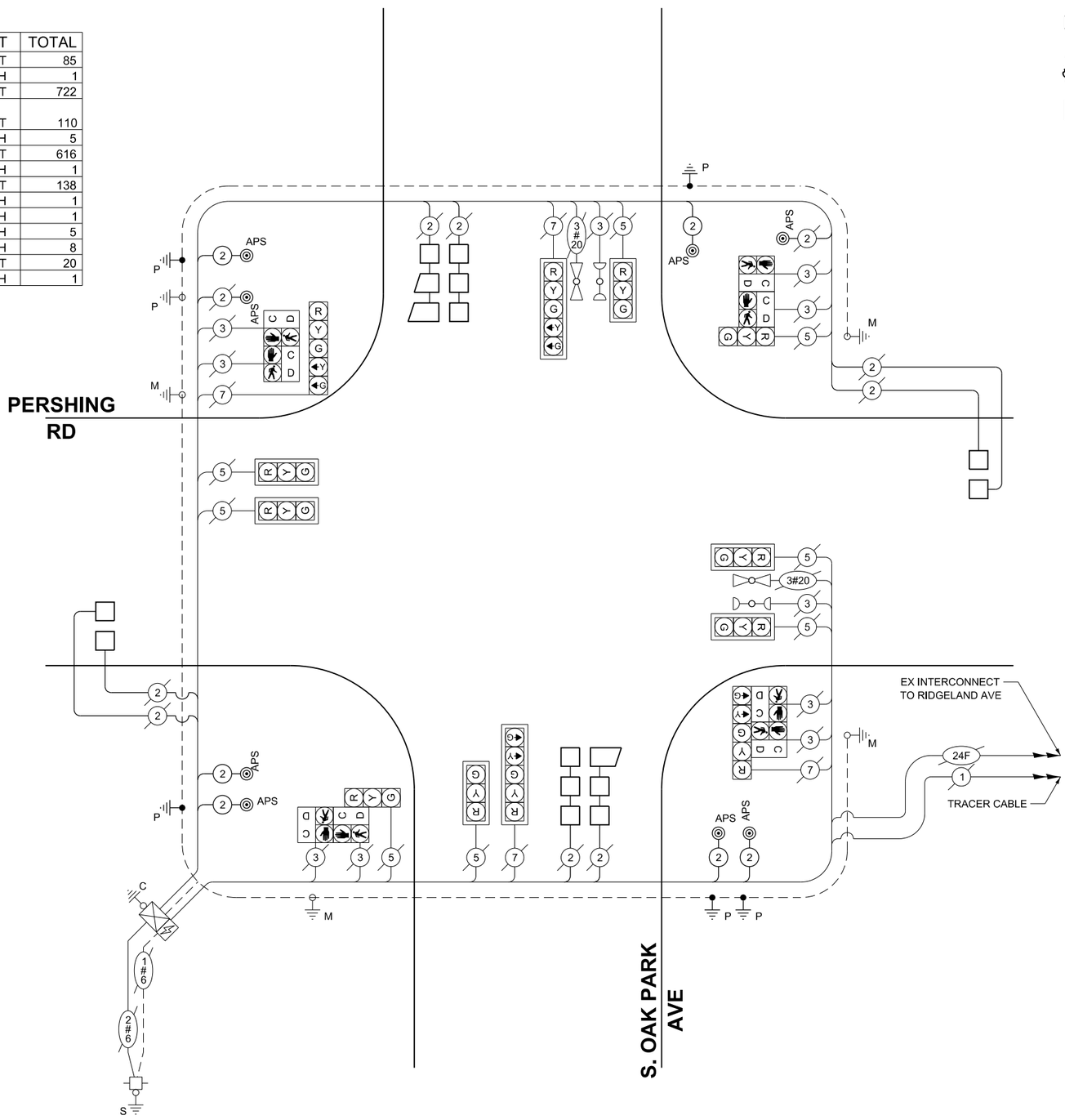
LEGEND

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			435
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			1040

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196
ENERGY SUPPLY:
CONTACT: JOE CRISCIONE
PHONE: (630) 691-4356
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER:
METER NUMBER:



CABLE PLAN
(NOT TO SCALE)

TS 3790
EAGLE 8I

MODEL: Default
FILE NAME: P:\P-22\22-4875-00 IDOT Various Phase 2 (PTB 208-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-hst-013.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

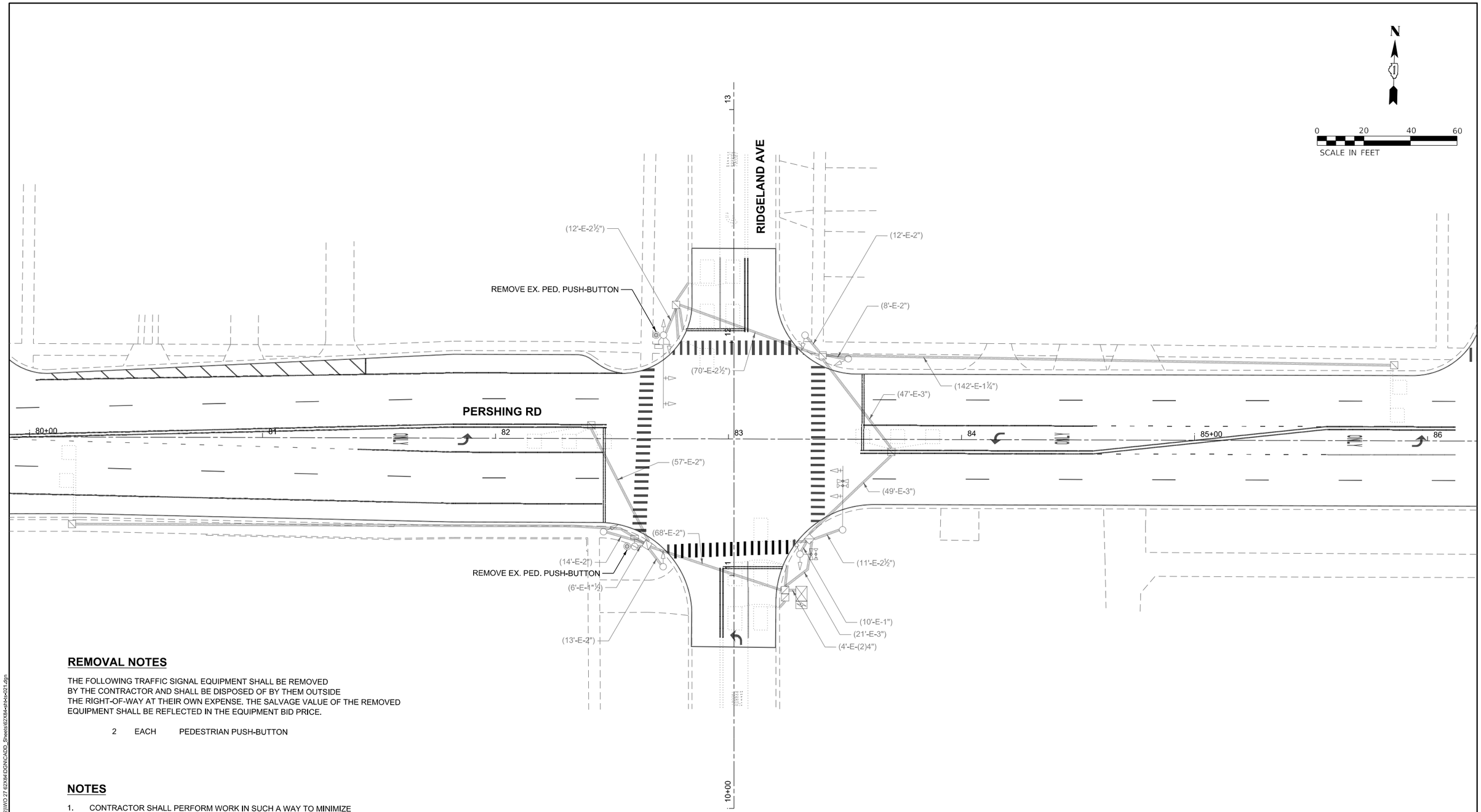
USER NAME = ALane	DESIGNED - MPK	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = NTS	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQ.
PERSHING RD & S OAK PARK AVE

SCALE: NTS | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	49
		CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	



REMOVAL NOTES

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

2	EACH	PEDESTRIAN PUSH-BUTTON

NOTES

1. CONTRACTOR SHALL PERFORM WORK IN SUCH A WAY TO MINIMIZE THE TIME THE PEDESTRIAN EQUIPMENT IS NOT OPERATIONAL.
2. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

TS 3795
EAGLE 8I

MODEL: Default
FILE NAME: P:\P-22\22-4675-00 IDOT Various Phase 2 (PTB 206-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-shts-p21.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

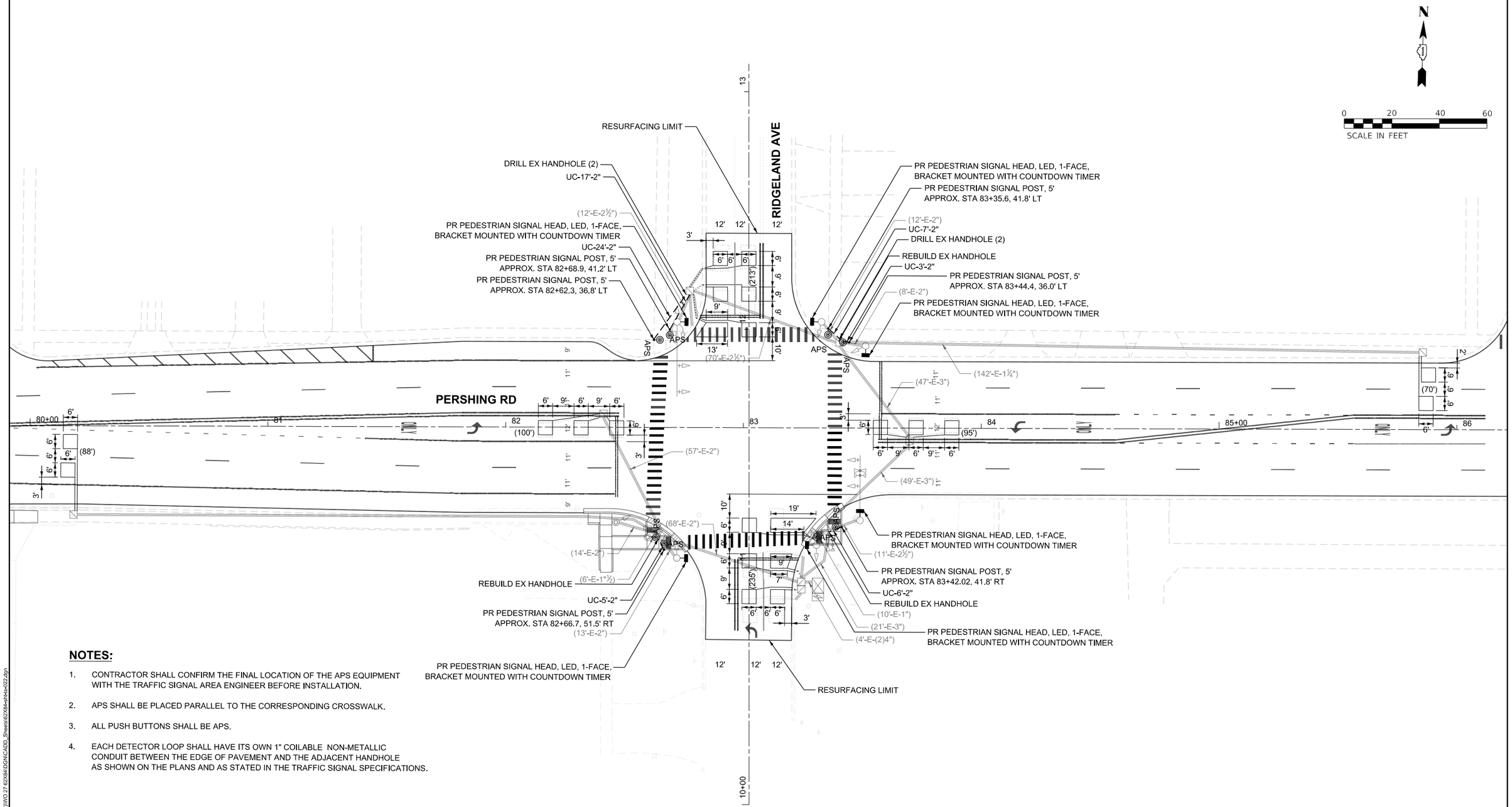
USER NAME = ALane	DESIGNED - MPK	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = 1" = 20'	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL PLAN
PERSHING RD & RIDGELAND AVE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	50
		CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
3. ALL PUSH BUTTONS SHALL BE APS.
4. 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.

TS 3795
EAGLE 8I

MODEL: Default
FILE NAME: P:\P-22\22-4675-00 IDOT Various Phase 2 (PTB 208-002)\WO 27 62X84\IDOT\CADD_Sheets\62X84-eih-ts-022.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - MPK	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 1" = 20'	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

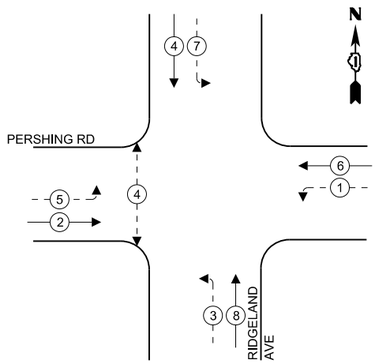
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
PERSHING RD & RIDGELAND AVE

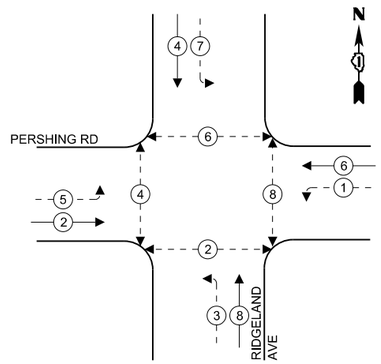
SCALE: 1" = 20' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	51
		CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	

EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



LEGEND

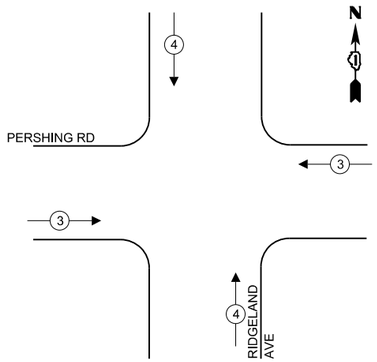
PROTECTED PHASE

PROTECTED/PERMITTED PHASE

PEDESTRIAN PHASE

OVERLAP

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



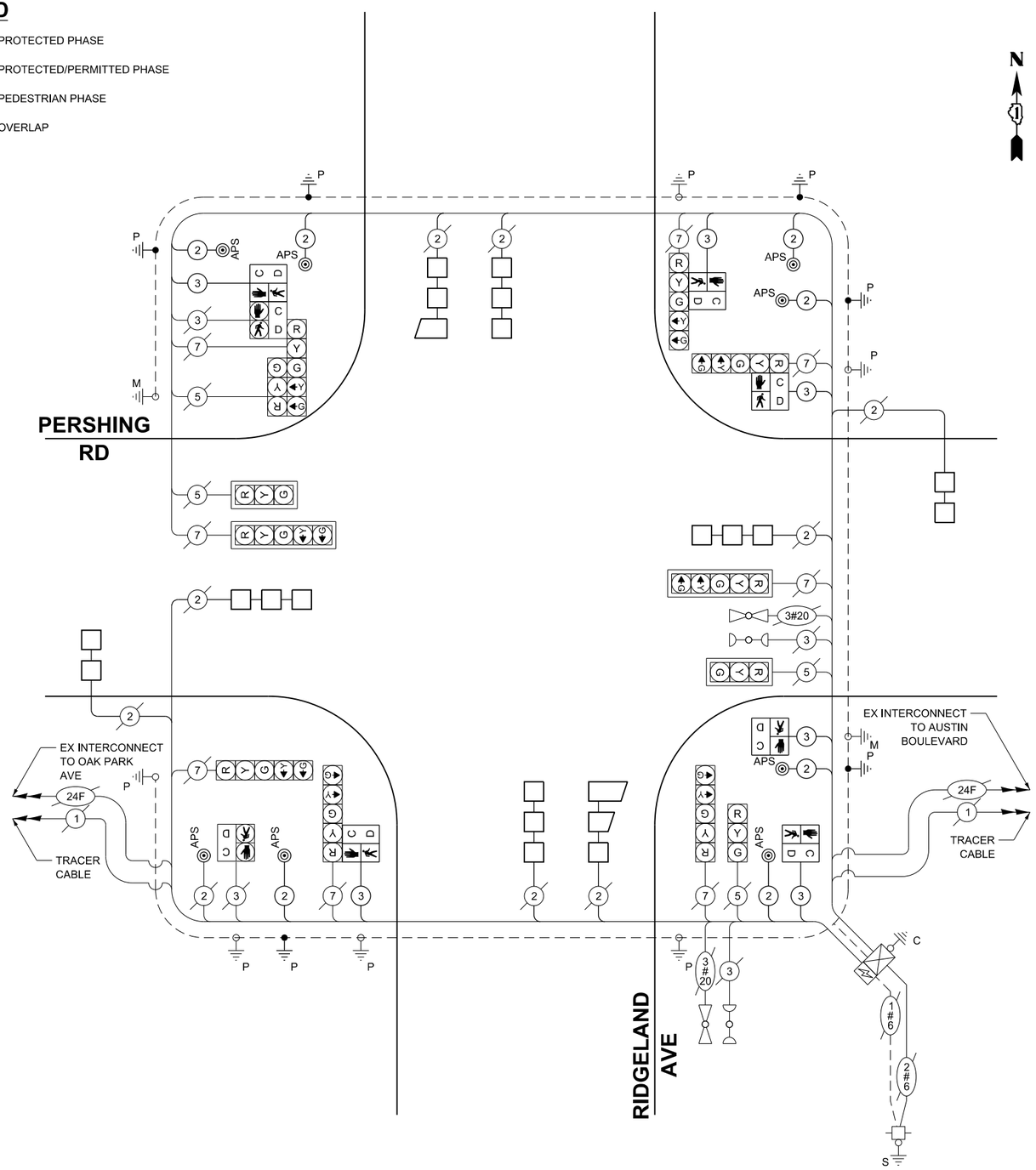
SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	62
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1111
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	900
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	92
DRILL EXISTING HANDHOLE	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
DETECTOR LOOP, TYPE I	FOOT	801
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	246
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	6
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	4	11	44
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			443
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			1048

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196
ENERGY SUPPLY:
CONTACT: JOE CRISCIONE
PHONE: (630) 691-4356
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER:
METER NUMBER:



CABLE PLAN
(NOT TO SCALE)

TS 3795
EAGLE 8I

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9580 | F 312.425.9584 | www.infrastructure-eng.com

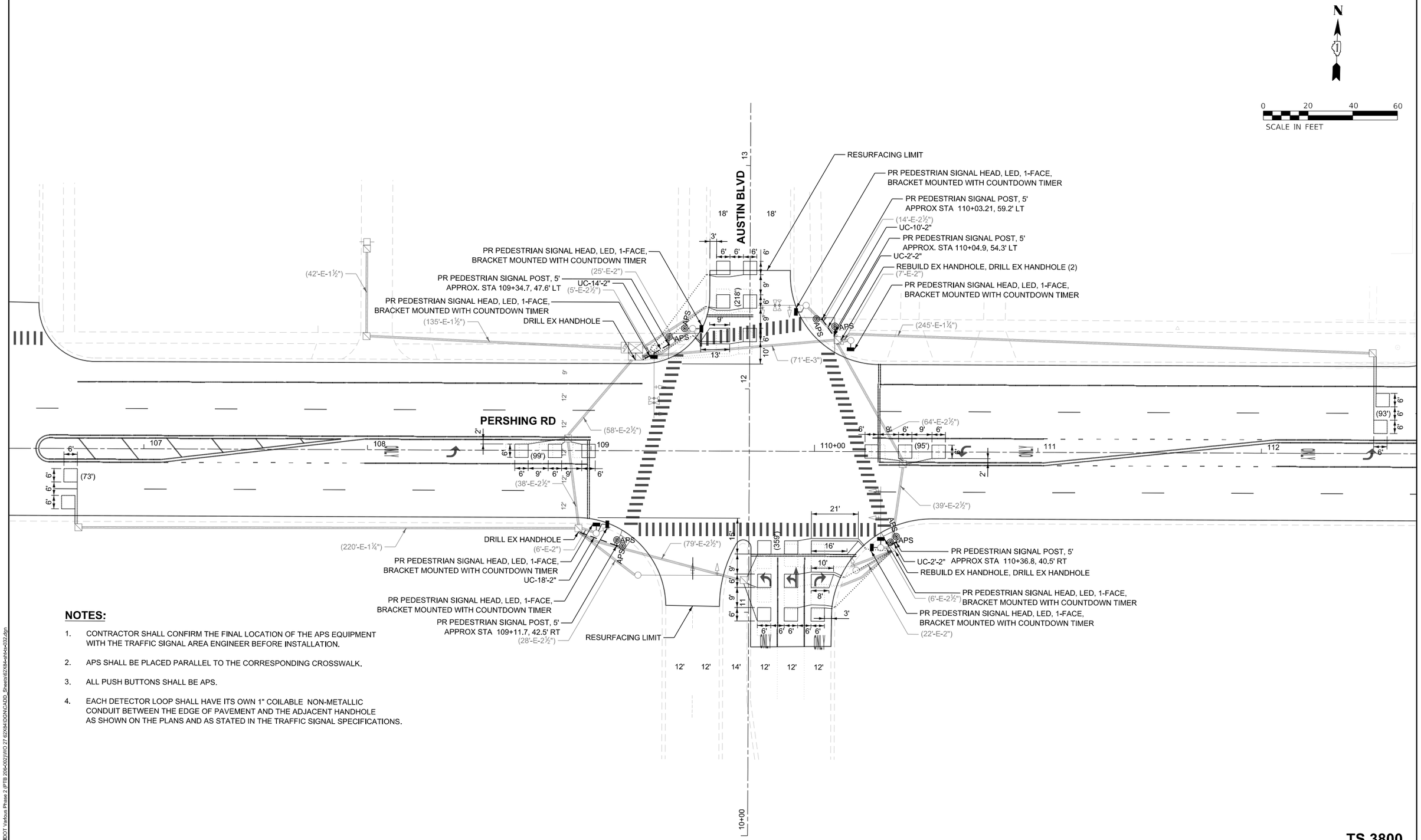
USER NAME = ALane	DESIGNED - MPK	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = NTS	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQ.
PERSHING RD & RIDGELAND AVE

SCALE: NTS | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	52
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE APS EQUIPMENT WITH THE TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
2. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
3. ALL PUSH BUTTONS SHALL BE APS.
4. 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.

TS 3800
EAGLE 8I

MODEL: Default
FILE NAME: P:\P-22\22-4675-00 IDOT Various Phases 2 (PTB 208-002)\WO 27 62X84 IDOT\CADD_Sheets\62X84-sht-hist-002.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

USER NAME = ALane	DESIGNED - MPK	REVISED -
	DRAWN - AMT	REVISED -
PLOT SCALE = 1" = 20'	CHECKED - ACL	REVISED -
	DATE - 06/17/2025	

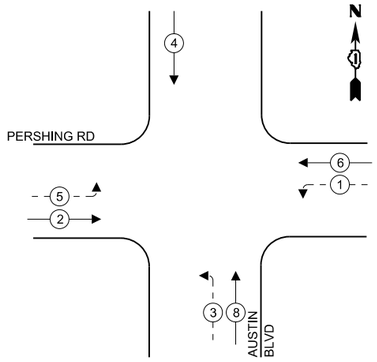
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
PERSHING RD & AUSTIN BLVD

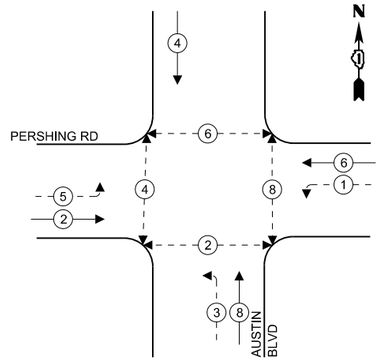
SCALE: 1" = 20' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	53
		CONTRACT NO. 62X84		
		ILLINOIS	FED. AID PROJECT	

EXISTING CONTROLLER SEQUENCE



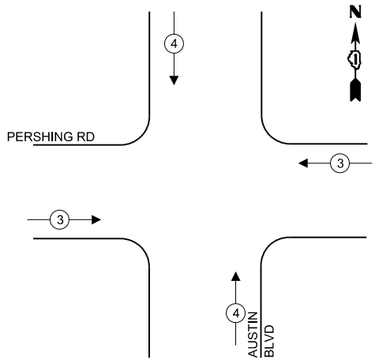
PROPOSED CONTROLLER SEQUENCE



LEGEND

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	46
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1072
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1108
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	71
DRILL EXISTING HANDHOLE	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
DETECTOR LOOP, TYPE I	FOOT	937
MODIFY EXISTING CONTROLLER	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

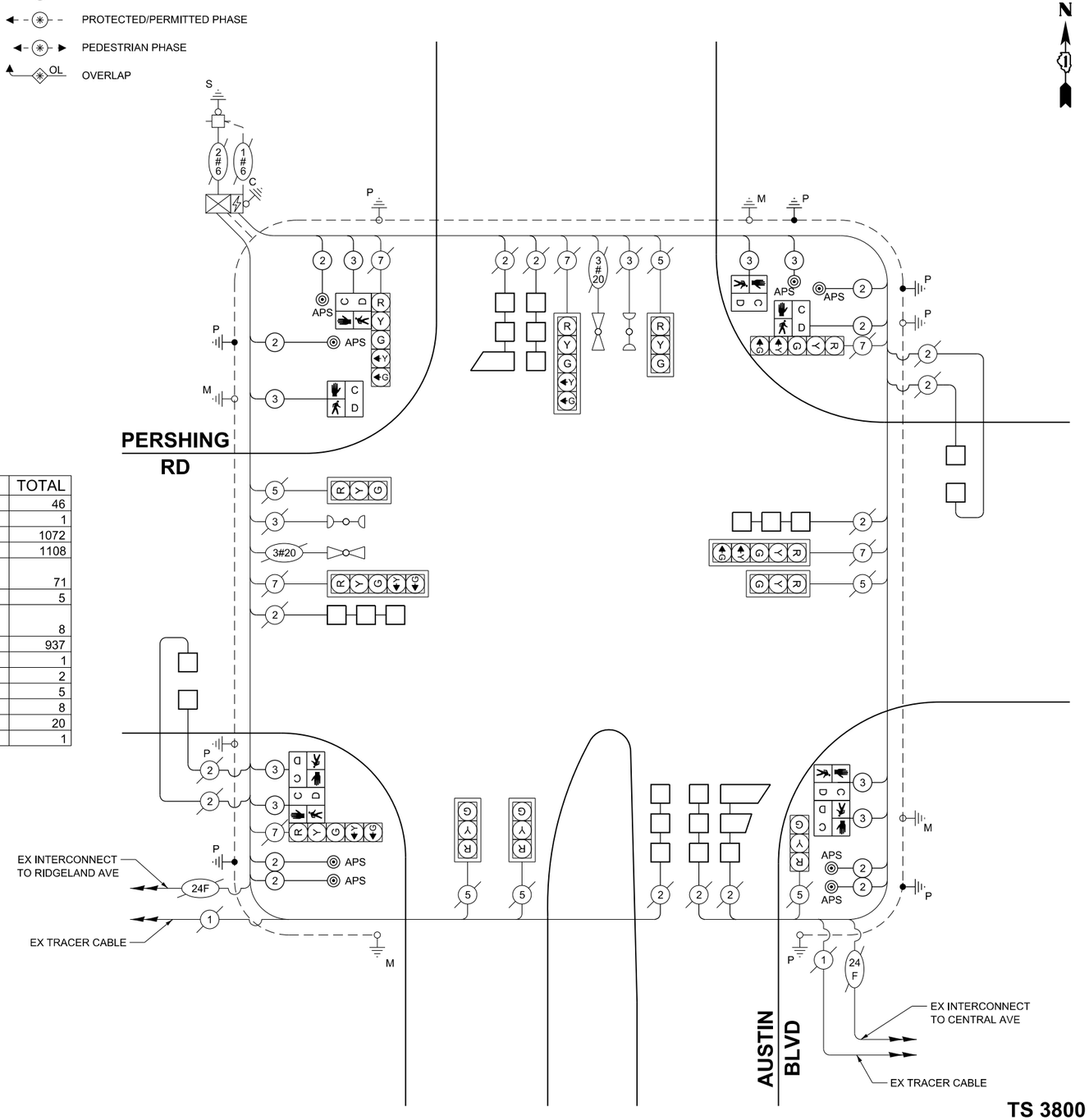
EQUIPMENT TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	1 OR 3-SECTION	6	11	66
	4-SECTION	-	14	-
	5-SECTION	6	13	78
PROGRAMMABLE	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL		8	15	120
CONTROLLER		1	150	150
MASTER CONTROLLER		-	100	-
UPS		1	25	25
DETECTION	RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN		-	25	-
NETWORK SWITCH	II OR III	-	35	-
CELLULAR MODEM		-	15	-
	TOTAL UPS SIZING			409
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			1014

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION

201 WEST CENTER COURT
SCHAUMBURG, IL 60196

ENERGY SUPPLY:

CONTACT: JOE CRISCIONE
PHONE: (630) 691-4356
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER:
METER NUMBER:



CABLE PLAN
(NOT TO SCALE)

TS 3800
EAGLE 8I

MODEL: Default
FILE NAME: P:\Pr2022-46\7540 IDOT Various Phase 2 (PTB 209-002)\WO 27 62X84\DGN\CADD_Sheets\62X84-sht-0334.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9560 | F 312.425.9564 | www.infrastructure-eng.com

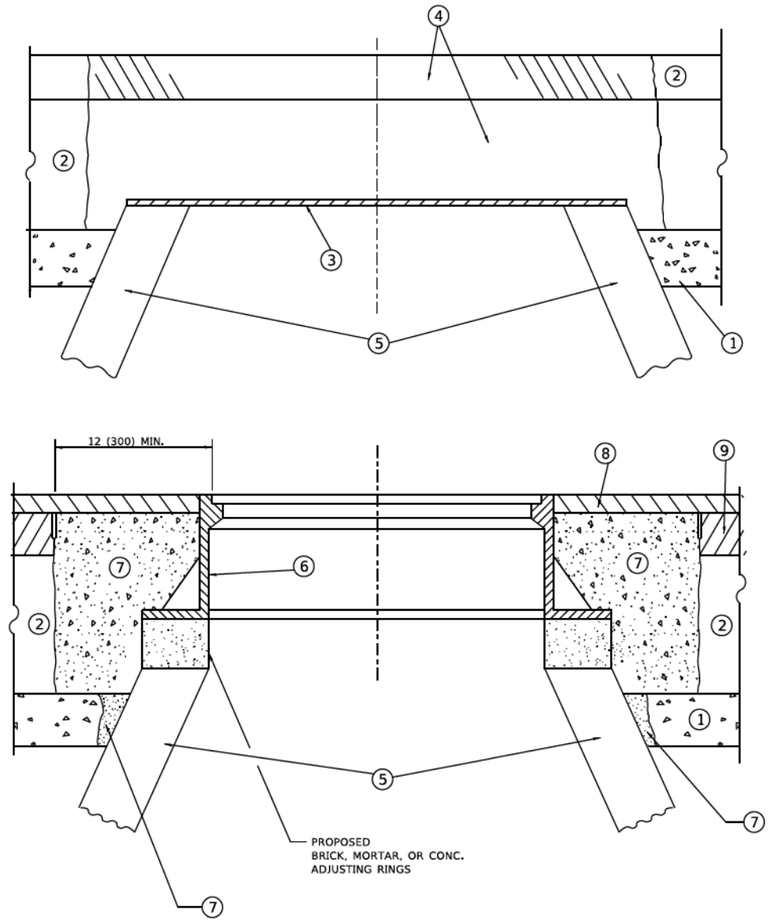
USER NAME = ALane	DESIGNED - MPK	REVISED -	
	DRAWN - AMT	REVISED -	
PLOT SCALE = NTS	CHECKED - ACL	REVISED -	
	DATE - 06/17/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQ.
PERSHING RD & AUSTIN BLVD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	54
		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: Default
FILE NAME: \mnt\dist\cd\22x34\bd08.dgn

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11	
	DRAWN -	REVISED - R. BORO 12-06-11	
PLOT SCALE = 100.0000 ' / In.	CHECKED -	REVISED - K. SMITH 11-18-22	
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	55
	BD600-03 (BD-08)	CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			

METHOD OF MEASUREMENT

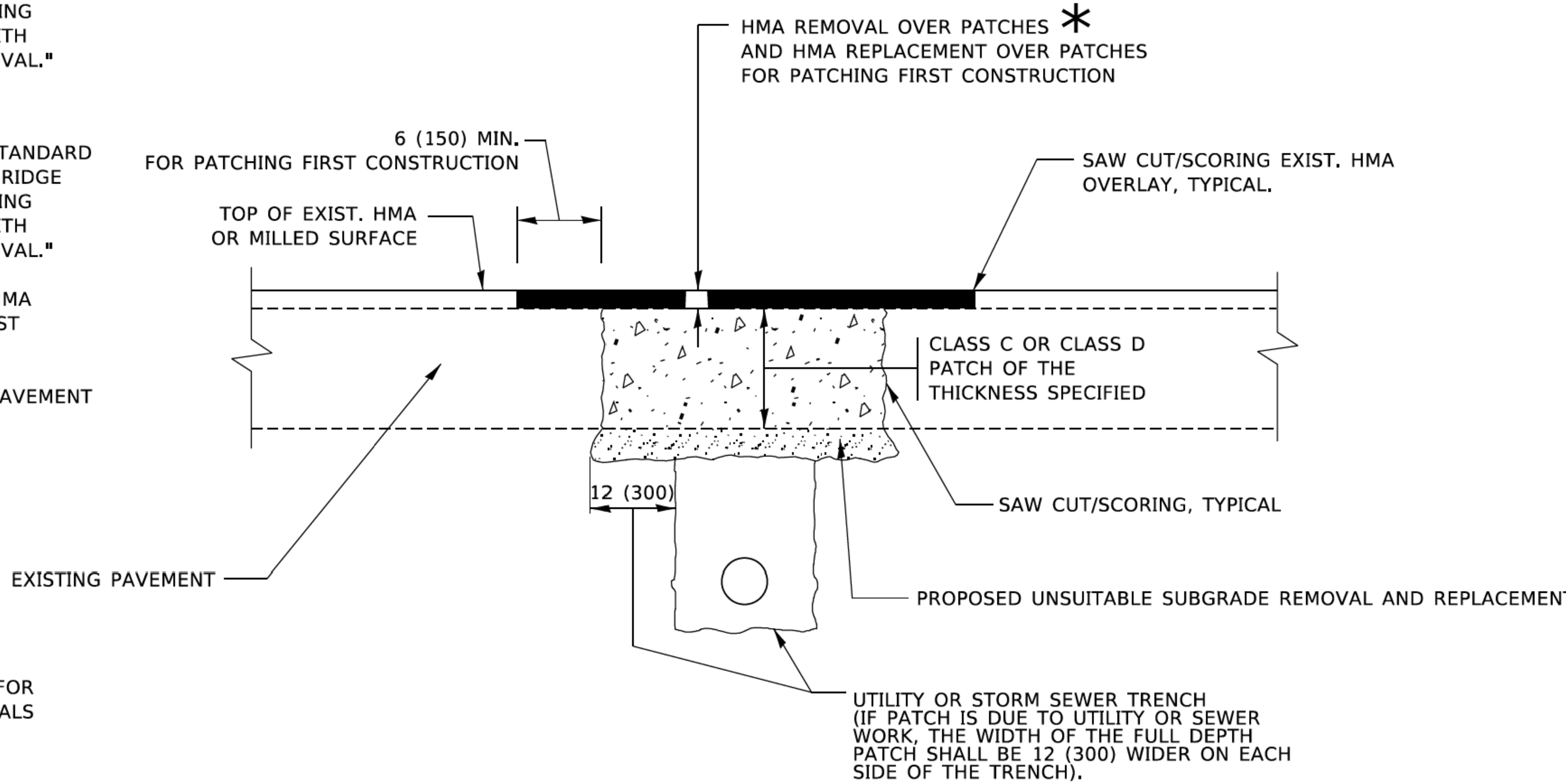
REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

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

2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.

3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.

2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.

3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.

2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

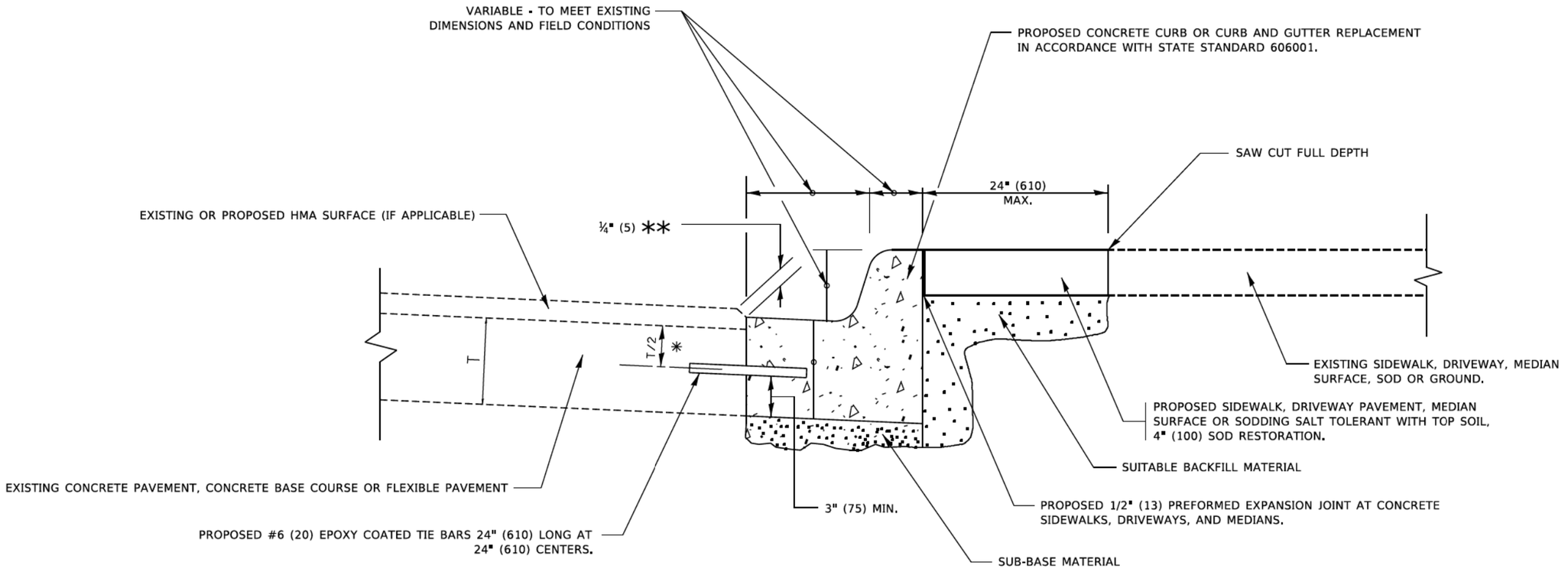
USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - R. BORO 09-04-07	
PLOT SCALE = 100.0000 ' / In.	CHECKED -	REVISED - K. ENG 10-27-08	
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22	

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	56
BD400–04 (BD–22)		CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: pw:\\ildot-pw.bentley.com:PWIDOT01\Documents\IDOT Offices\District 1\Projects\District\Std22x34\CADData\CADsheets\bd22.dgn



* 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: Default
FILE NAME: pw:\\dlanroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\Districts: \\Projects\Dist1\d22x3a\CADData\CADSheets\bd24.dgn

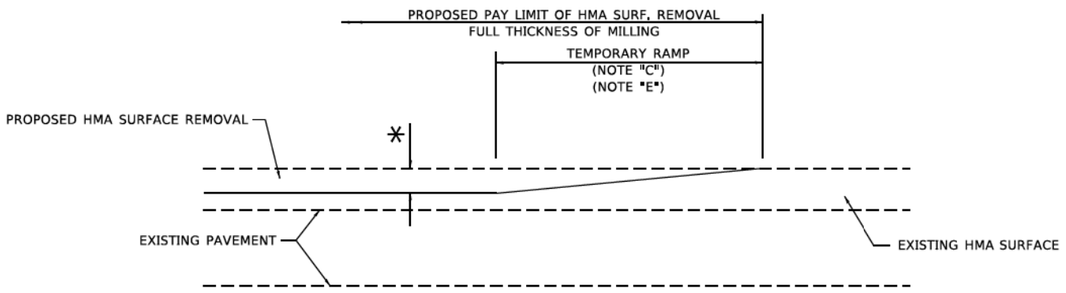
USER NAME = footem]	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	
	DRAWN -	REVISED - M. GOMEZ 01-22-01	
PLOT SCALE = 50.0000 ' / In.	CHECKED -	REVISED - R. BORO 12-15-09	
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

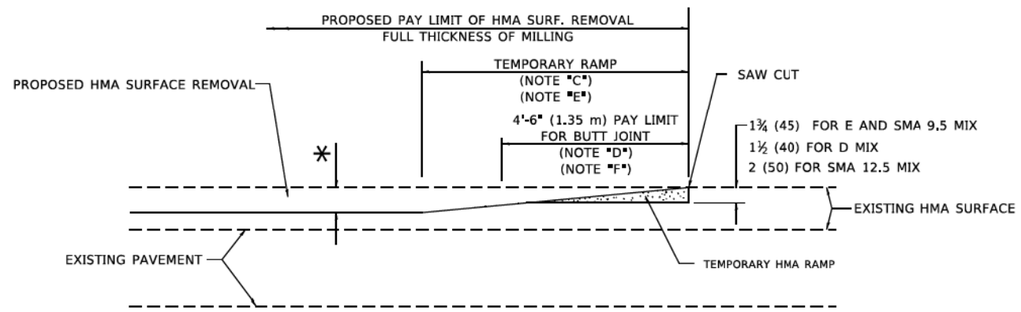
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	57
	BD600-06 (BD-24)	CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

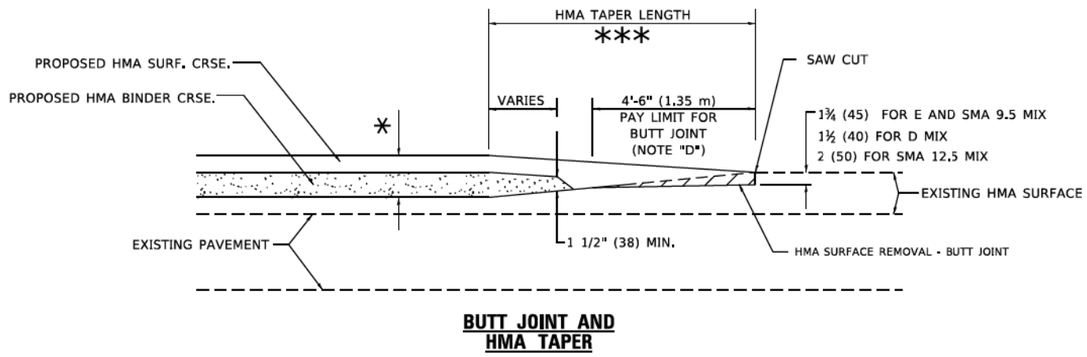


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

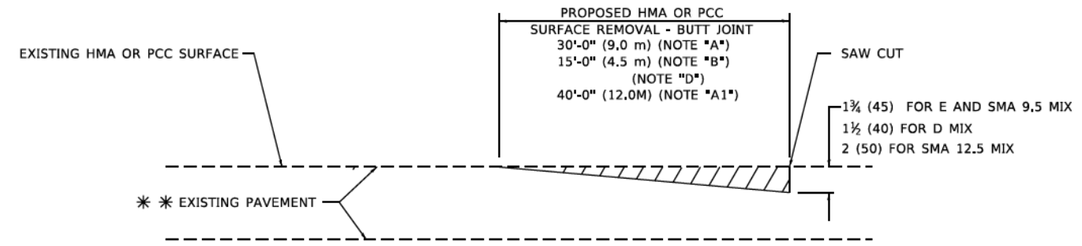
OPTION 2

TYPICAL TEMPORARY RAMP

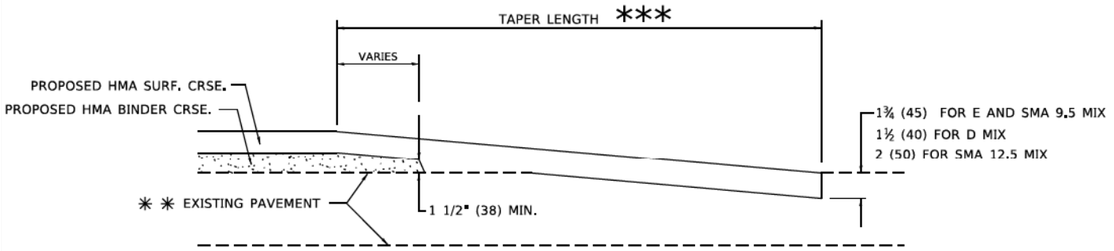


BUTT JOINT AND HMA TAPER

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

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

MODEL: Default
FILE NAME: pw:\\dot-pw.bentley.com:PWDOT\Documents\DOT Offices\Distrikt 1\Projects\Desktop22x34\CADData\CADSheets\bd32.dgn

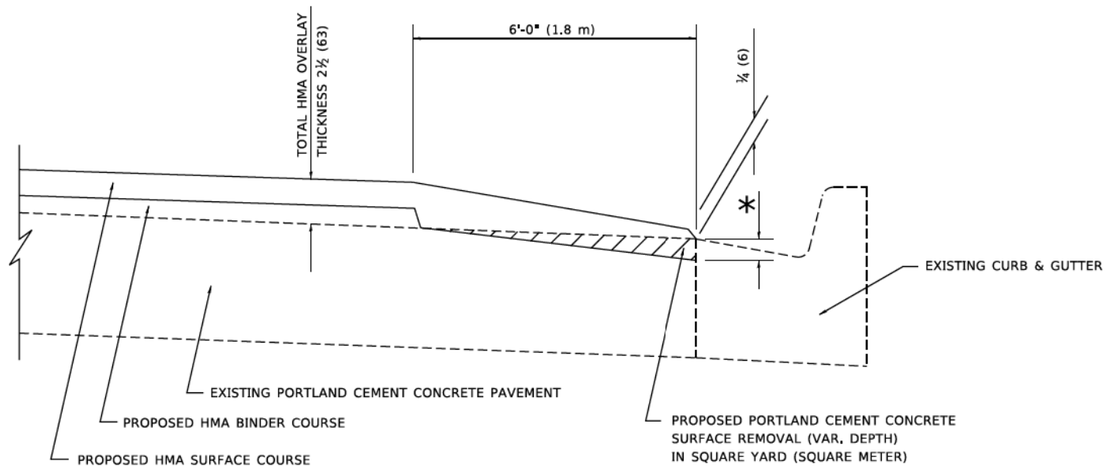
USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	
	DRAWN -	REVISED - M. GOMEZ 04-06-01	
PLOT SCALE = 100.0000 ' / In.	CHECKED -	REVISED - R. BORO 01-01-07	
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	58
	BD400-05 BD-32	CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			



HMA TAPER AT
EDGE OF PCC PAVEMENT

HMA SURFACE COURSE		HMA BINDER COURSE	
MIX	THICKNESS	THICKNESS	* MILLING AT GUTTER FLAG
D	1½ (38)	1 (25)	1¼ (33)
E OR SMA 9.5	1¾ (44)	¾ (19)	1½ (38)

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

MODEL: Default
FILE NAME: pw:\\dist-pw.bentley.com:PWIDOT\Documents\IDOT Offices\Distric 1\Projects\Bridge\Std22x34\CADData\CADsheets\bd33.dgn

USER NAME = Shawn.Ley	DESIGNED - R. SHAH	REVISED - E. GOMEZ 12-21-00	
	DRAWN - JIS	REVISED - R. BORO 01-01-07	
PLOT SCALE = 50.0000 ' / In.	CHECKED - A. ABBAS	REVISED - JP CHANG 07-08-16	
PLOT DATE = 1/23/2023	DATE - 09-10-94	REVISED - K. SMITH 11-18-22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

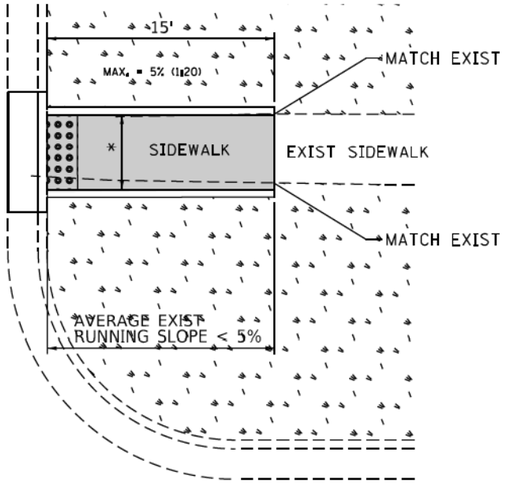
HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

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

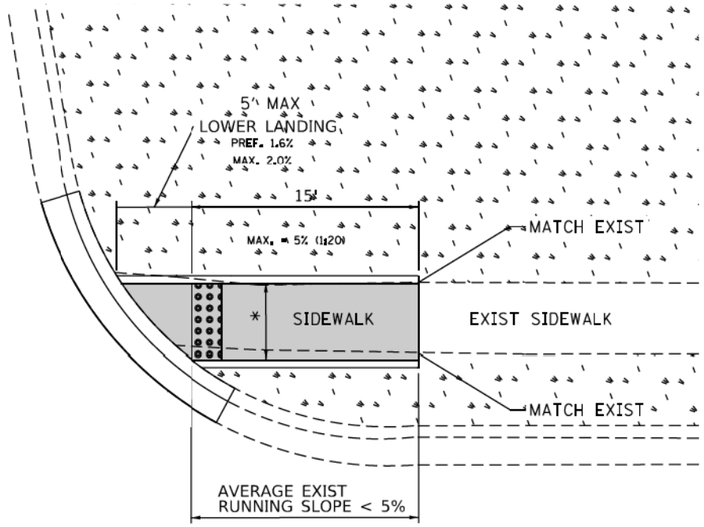
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	59
	BD400-06 BD-33	CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			

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

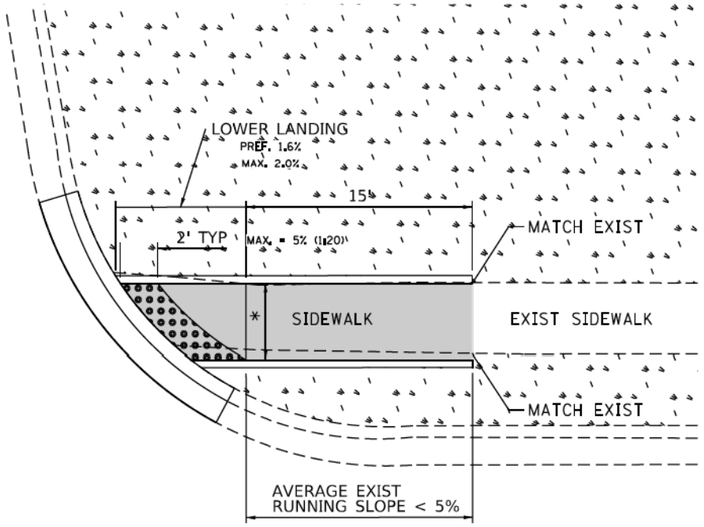
PD-01A



PD-01B



PD-01C



DESIGNER NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

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

FILE NAME = S:\WP\PLANPREP\SQUAD_1\Des.RL\Typical ADA details\Typical-ADA-sht-plan.dgn	USER NAME = ledezmarm	DESIGNED - --- --/--/----	REVISED -
		DRAWN - RL 11/12/2019	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

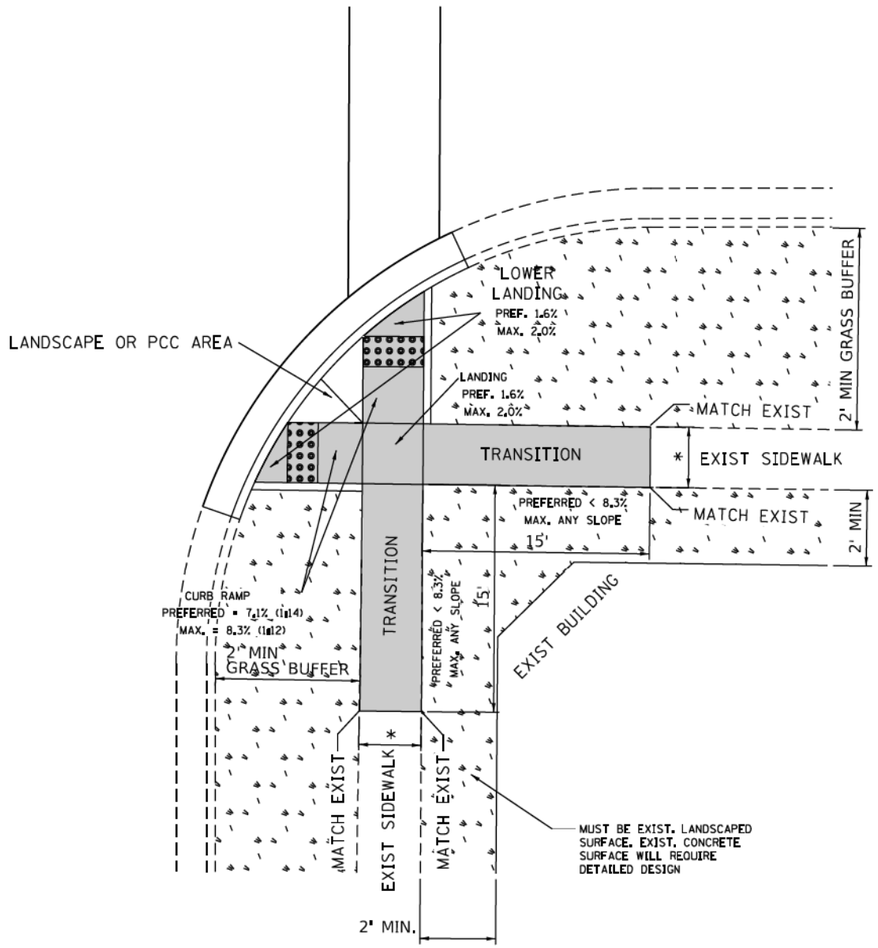
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-01)

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

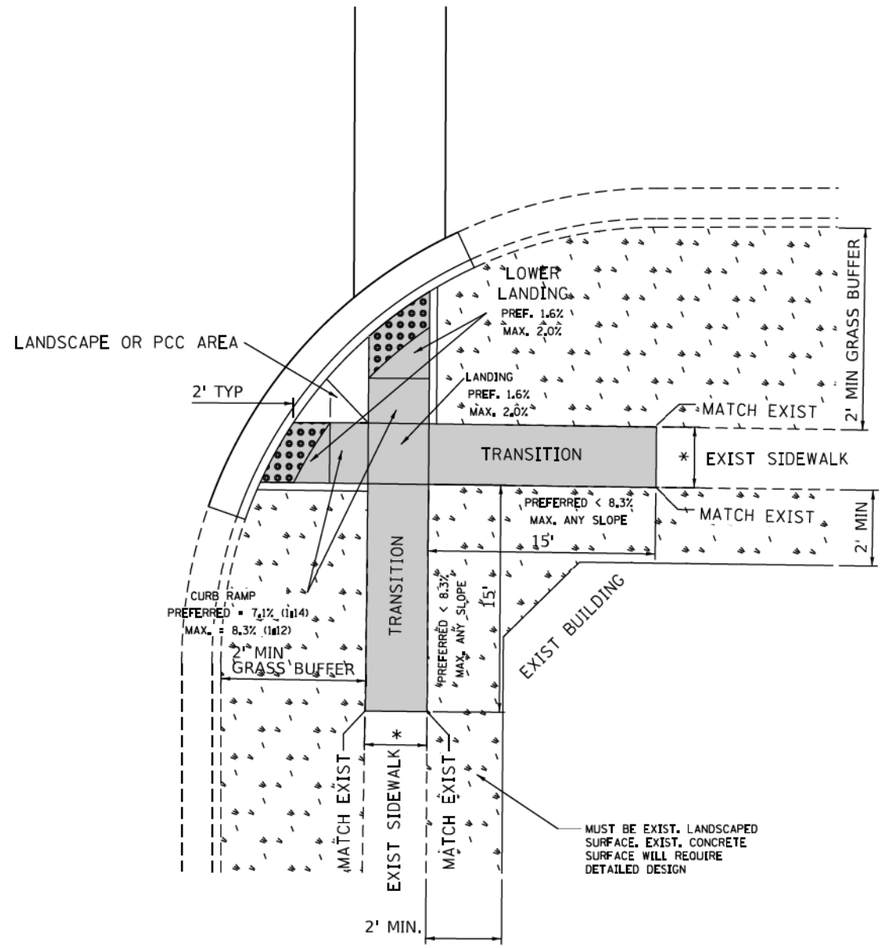
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	60
	PD-01	CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



DESIGNER NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

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

FILE NAME = S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht-plan.dgn	USER NAME = ledezmarm	DESIGNED - --- --/--/----	REVISED -
		DRAWN - RL 11/12/2019	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

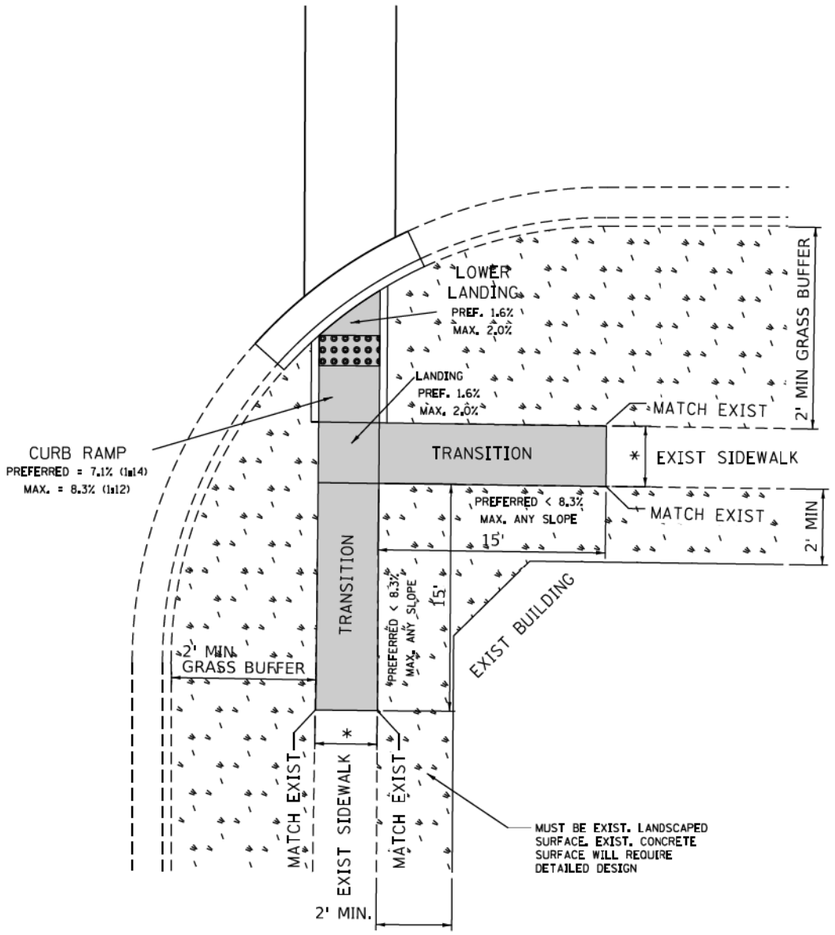
PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS (PD-03)

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

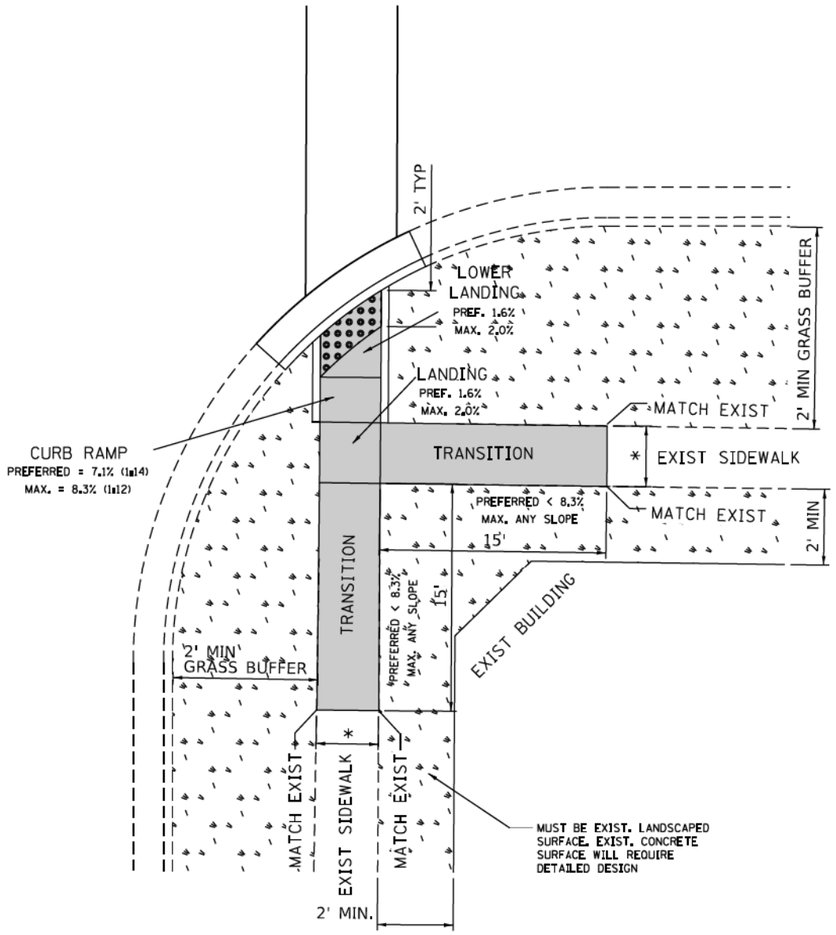
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	61
	PD-03	CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



DESIGNER NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50).
2) SIDEWALK REALIGNMENT WILL REQUIRE DETAILED DESIGN.
3) AREAS SURROUNDED BY PCC/ASPHALT, BUILDINGS, OR ARE NEAR TO DRIVEWAYS, REALIGNED SIDEWALK, UTILITY AND SIGNAL POLES, OR WHEN PRIVATE SIDEWALK TIES IN, WILL REQUIRE DETAILED SURVEY AND DESIGN.
4) ALL BRICK CORNERS WILL REQUIRE SUPERVISOR APPROVAL BEFORE USING PROJECT DETAILS

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

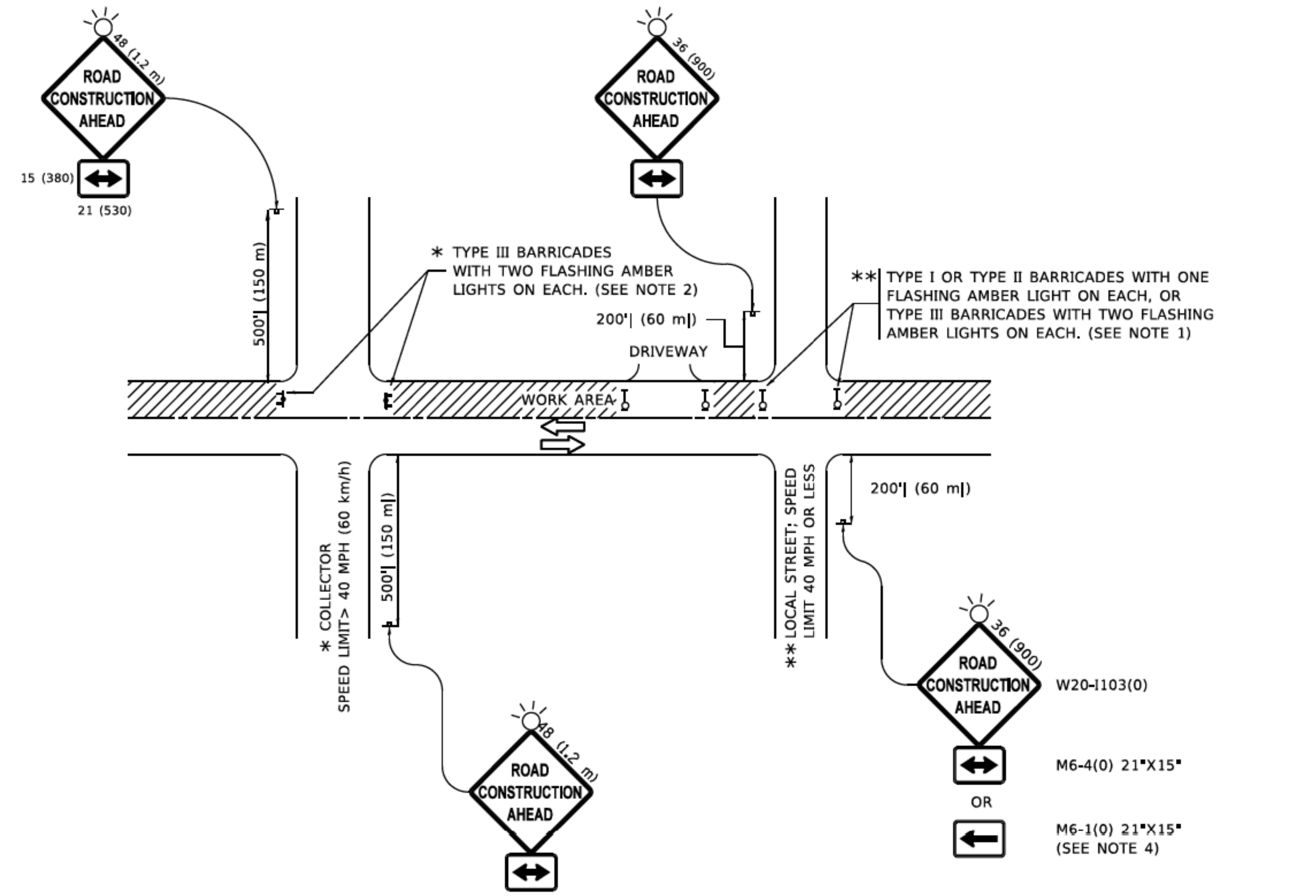
FILE NAME = S:\WP\PLANPREP\SQUAD_1\Des_RL\Typical ADA details\Typical-ADA-sht-plan.dgn	USER NAME = ledezmarm	DESIGNED - --- --/--/----	REVISED -
		DRAWN - RL 11/12/2019	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	62
	PD-04	CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. 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:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) 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.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) 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.

3. 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.

4. 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).

5. 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.

6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

7. 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.

MODEL: Default
FILE NAME: pw:\\idot-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\Projects\Offsets\d22x34\CADData\CADSheets\tc10.dgn

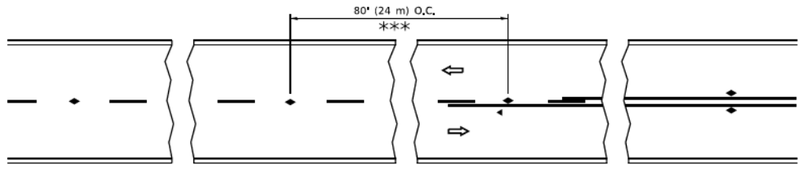
USER NAME = Lawrence.DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	
	DRAWN -	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

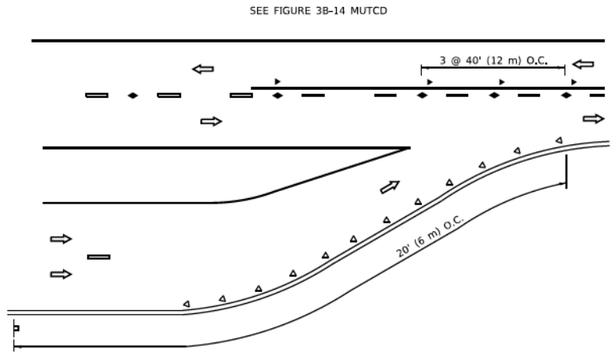
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	63
TC-10		CONTRACT NO. 62X84		
		ILLINOIS FED. AID PROJECT		



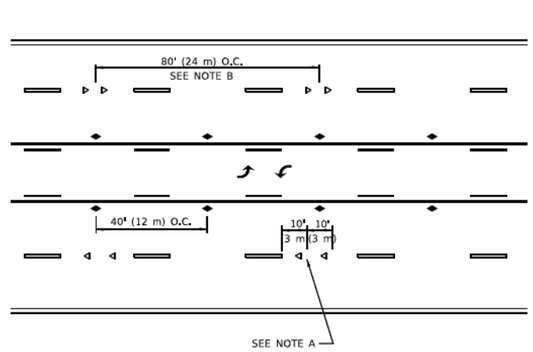
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

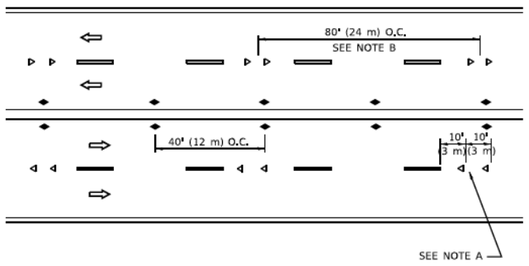
SEE FIGURE 3B-14 MUTCD



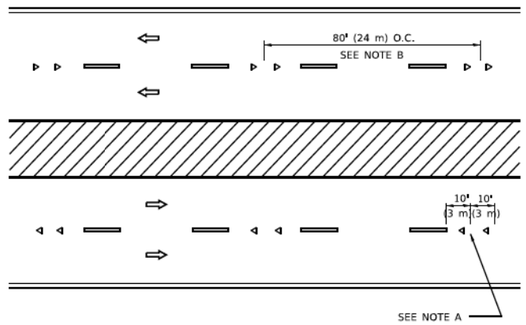
LANE REDUCTION TRANSITION



TWO–WAY LEFT TURN



MULTI–LANE/UNDIVIDED



MULTI–LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

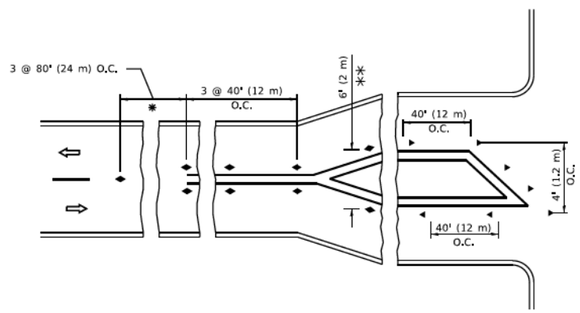
LANE MARKER NOTES

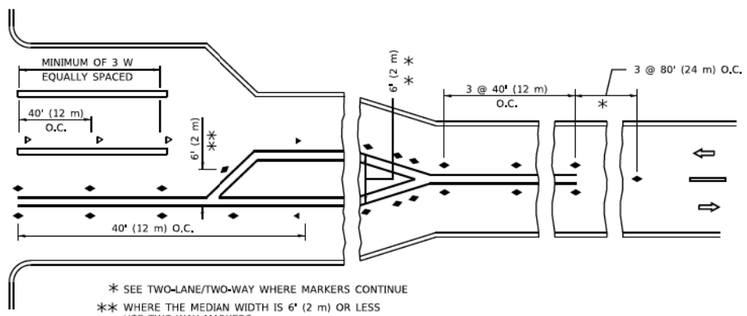
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

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





* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

TURN LANES

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

MODEL: Default
FILE NAME: pw:\\IL084:EIDINTEG:Illinois.pw:IWIDOT\Documents\IDOT Offices\District 1\Projects\Dist Std 22x34\CAD\Data\CAD\sheets\tc11.dgn

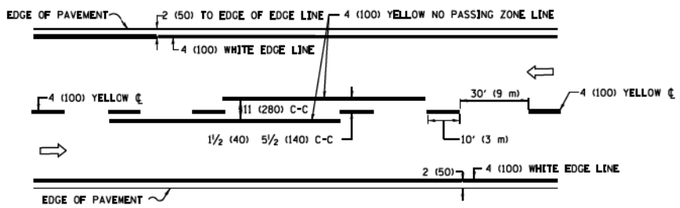
USER NAME = {footem}	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 50.0000 ' / In.	CHECKED -	REVISED - C. JUCIUS 09-09-09	
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

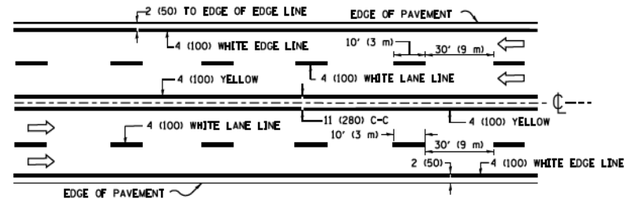
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)

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

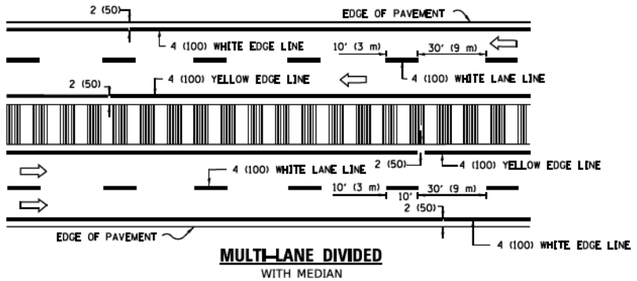
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	64
	TC-11	CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			



2–LANE ROADWAY

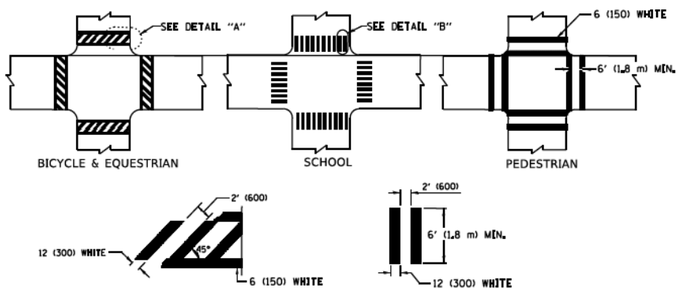


MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

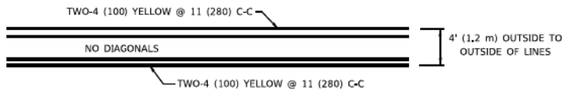
TYPICAL LANE AND EDGE LINE MARKING



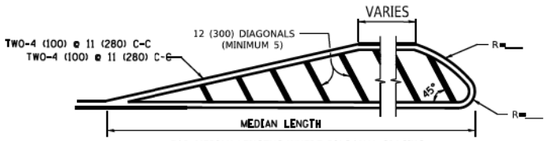
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



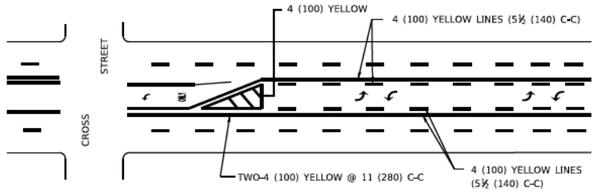
4' (1.2 m) WIDE MEDIANS ONLY



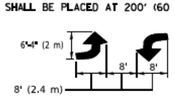
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1,2 m) WIDE

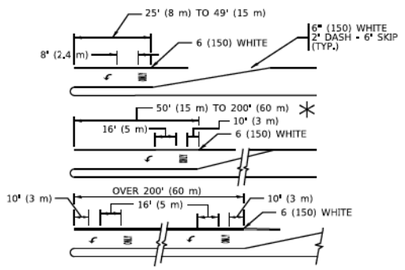


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

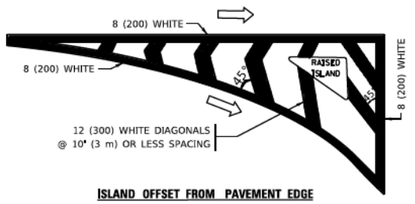


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)

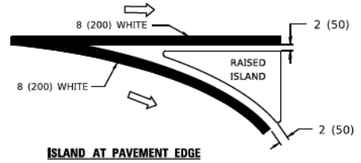
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

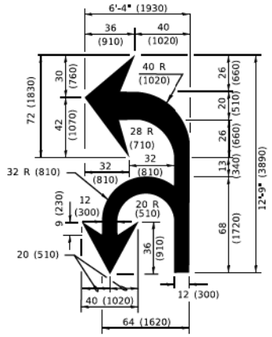


ISLAND OFFSET FROM PAVEMENT EDGE

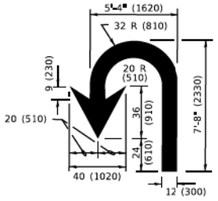


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

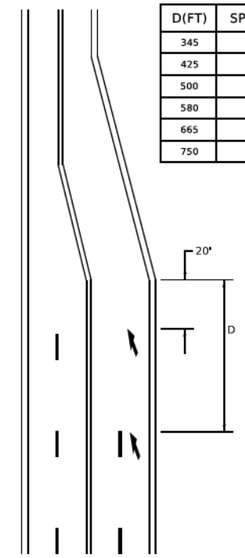


COMBINATION LEFT AND U–TURN



U–TURN

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	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2,4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3,6 SQ. FT. (0,33 m² EACH "X"=54,0 SQ. FT. (5,0 m²
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

MODEL: Default
FILE NAME: pw:\\IL084\BDINTEC_ILL\Profiles.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist5to22x23x24\CADData\CADsheets\tc13.dgn

USER NAME = footem	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**DISTRICT ONE** **TYPICAL PAVEMENT MARKINGS**	
	DRAWN -	REVISED - C. JUCIUS 07-01-13			
PLOT SCALE = 50,0000 ' / In.	CHECKED -	REVISED - C. JUCIUS 12-21-15		SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.	
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16			

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	65
	TC–13	CONTRACT NO. 62X84		
		ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

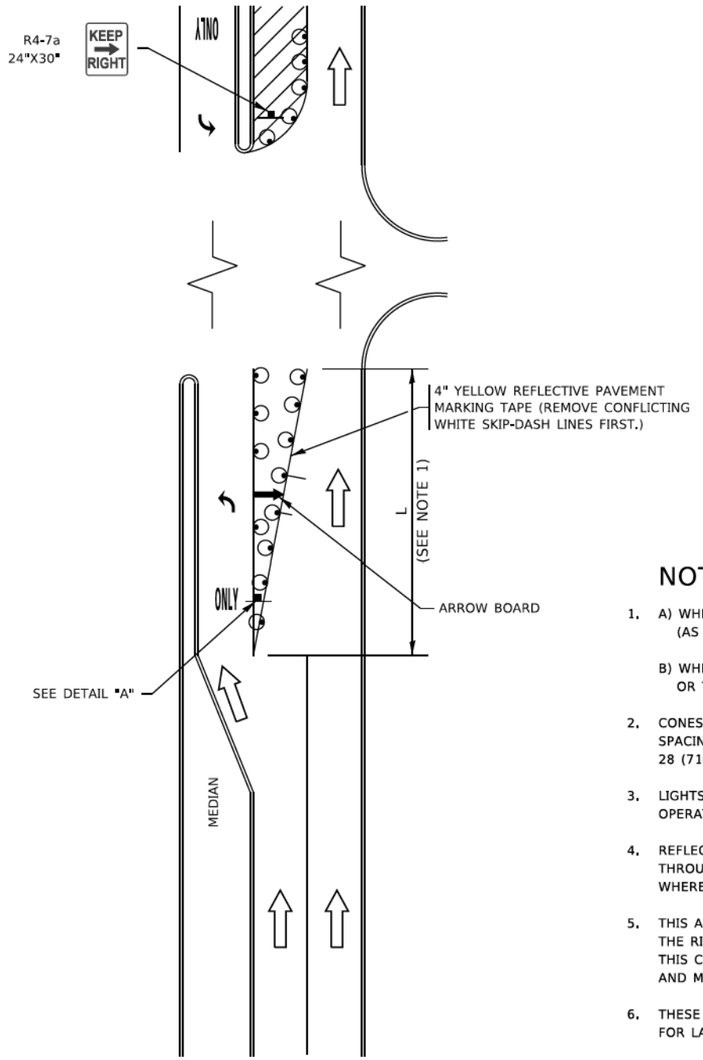


FIGURE 1

LEGEND

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

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

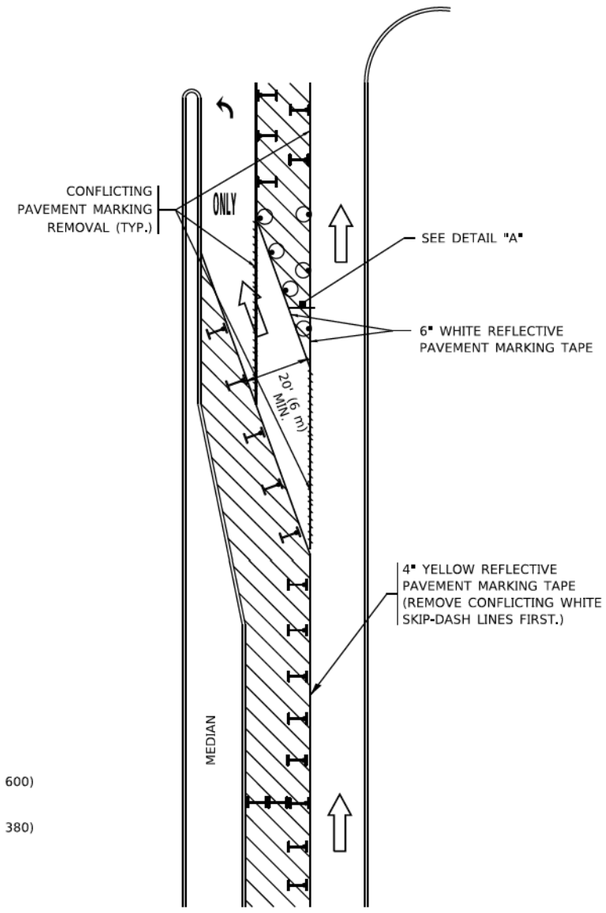
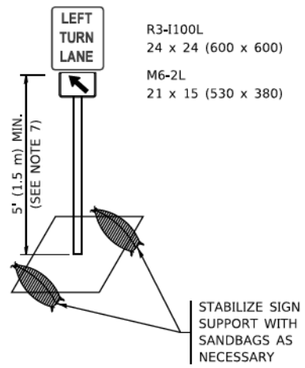


FIGURE 2



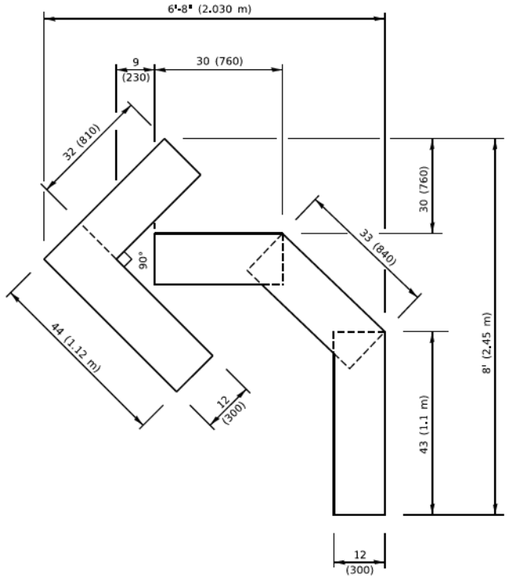
DETAIL A

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

MODEL: Default
FILE NAME: pw:\\IL084:BIDINTEG.Illinois.gov:PWIDOTDocuments\IDOT Offices\District 1\Projects\D1ts5d22x34\CADData\CADsheets\tc14.dgn

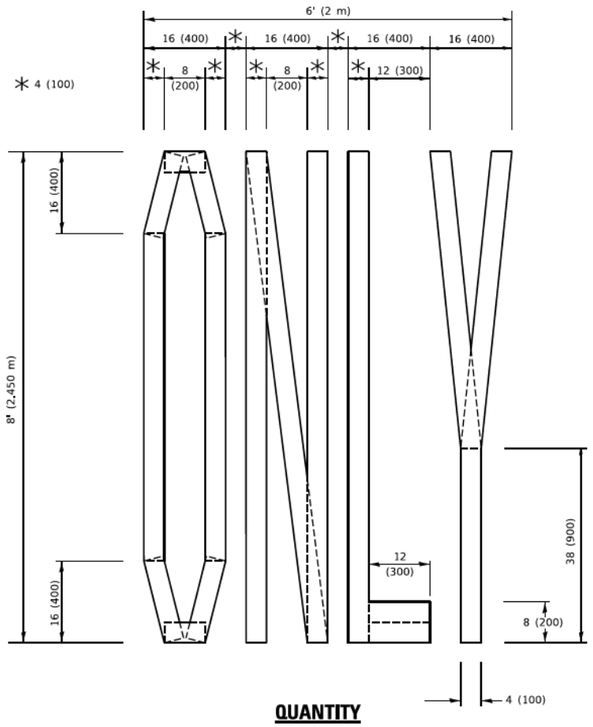
USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13			
PLOT SCALE = 50.0000 ' / In.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	66
	TC-14	CONTRACT NO. 62X84		
		ILLINOIS FED. AID PROJECT		



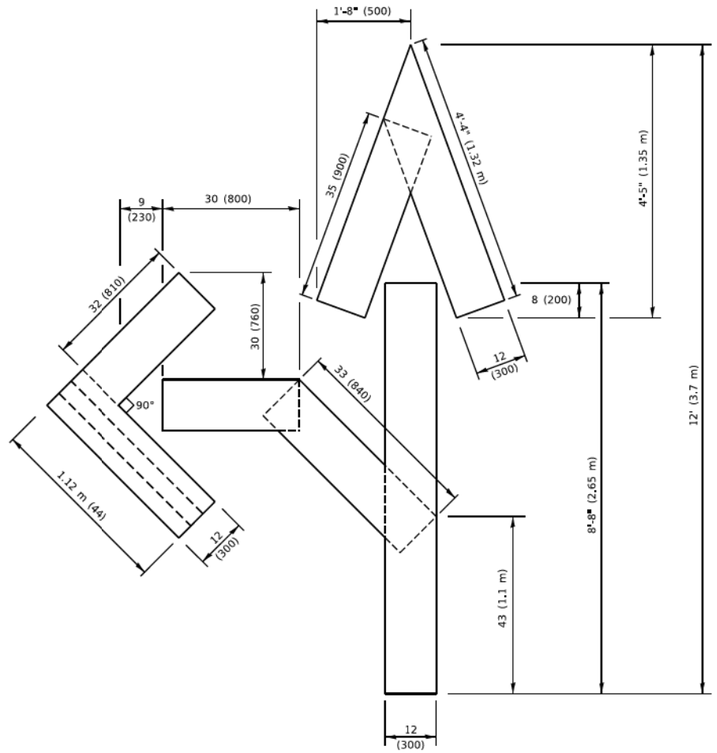
QUANTITY

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



QUANTITY

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

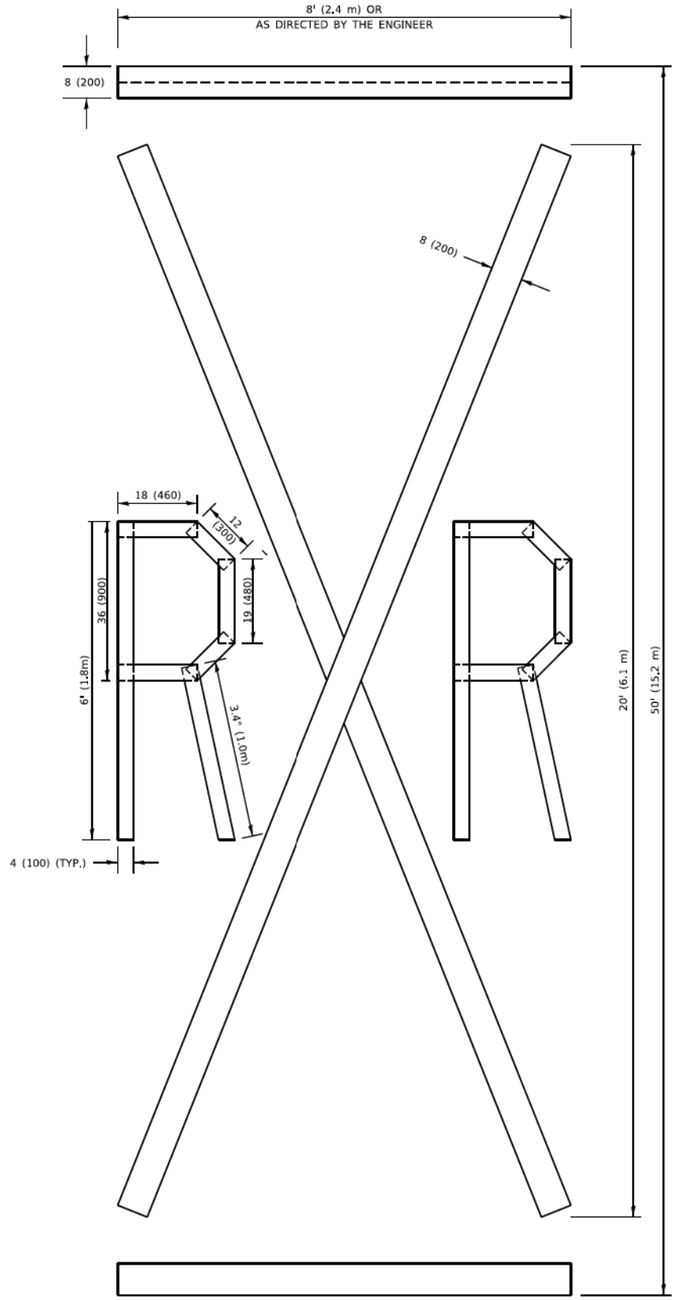


QUANTITY

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

NOTE:

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



QUANTITY

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

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

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG.Illinois.gov:PWIDOTDocuments\IDOT Office\District 1\Projects\Dist5to222x34\CADData\CADSheets\tc-16.dgn

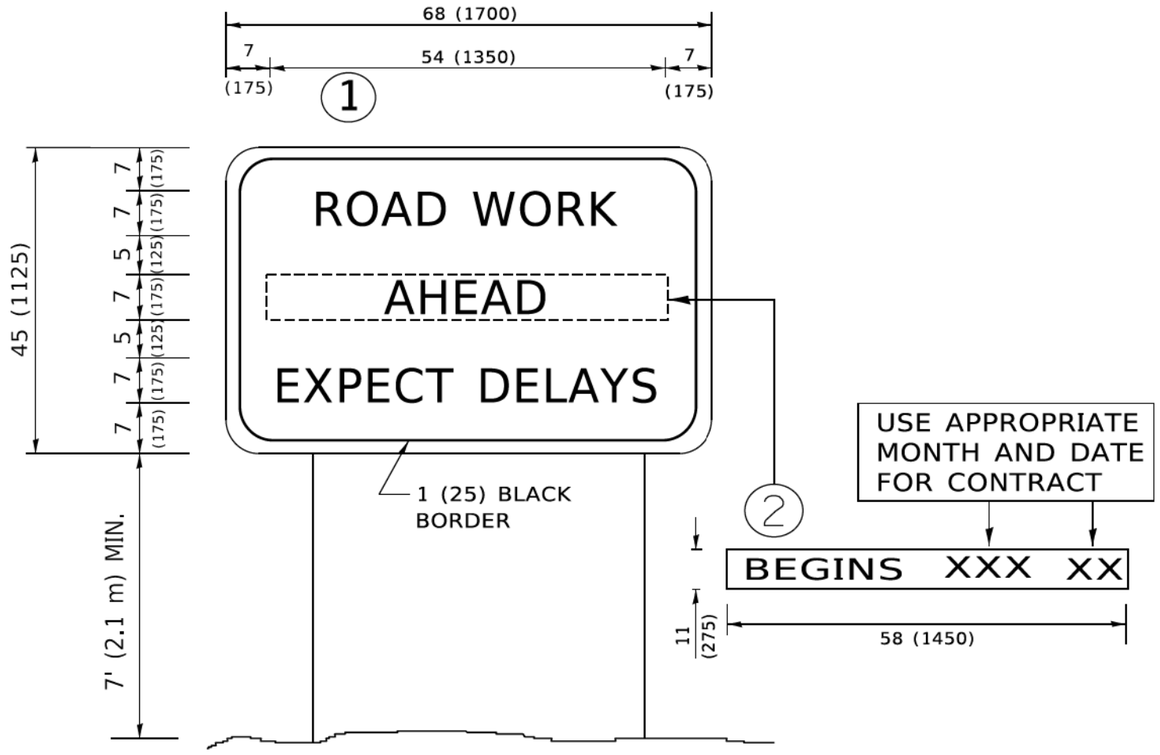
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068 ' / In.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	67
	TC-16	CONTRACT NO. 62X84		
	ILLINOIS	FED. AID PROJECT		



NOTES:

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

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

MODEL: Default
FILE NAME: pw:\\IL084EBIDINTEG...Illinois.gov:PWIDOTDocuments\IDOT Offices\IDistrict 1\Projects\Dist1Sd223x34\rCADData\rCADSheets\tc22.dgn

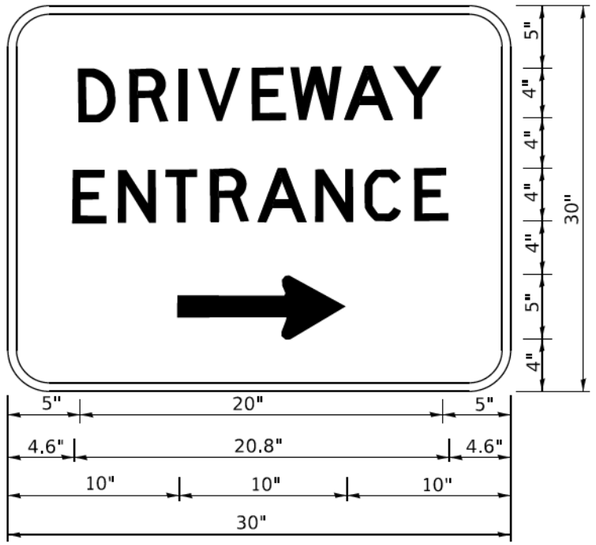
USER NAME = footem]	DESIGNED -	REVISED -	R. MIRS 09-15-97
	DRAWN -	REVISED -	R. MIRS 12-11-97
PLOT SCALE = 50.0000 ' / In.	CHECKED -	REVISED	-T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED -	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	68
	TC-22	CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			



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

NOTES:

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

USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / In.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1477	2024-1043-RS	COOK	69	69
	TC-26	CONTRACT NO. 62X84		
	ILLINOIS FED. AID PROJECT			