

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAMBOURG, ILLINOIS

02-27-2026 LETTING ITEM 071

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL-AID HIGHWAY

FAU ROUTE 1292 (EUCLID AVE)
ROHLWING ROAD TO US ROUTE 12 (RAND ROAD)
RESURFACING

SECTION NO.: 23-00221-00-RS
PROJECT NO.: #F7YU(495)
VILLAGE OF ARLINGTON HEIGHTS
COOK COUNTY
JOB NO.: C-91-264-24

F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-RS	COOK	106	1
ILLINOIS CONTRACT NO. 61L93				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF APPLICABLE HIGHWAY STANDARDS
SEE SHEET 2

THIS PROJECT PASSES THROUGH:

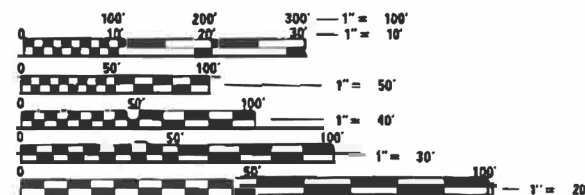
CITY OF ROLLING MEADOWS
VILLAGE OF ARLINGTON HEIGHTS

TRAFFIC DATA

EUCLID AVENUE
FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL
ADT=15,300 VEHICLES PER DAY (2022)
25-40 MPH POSTED SPEED

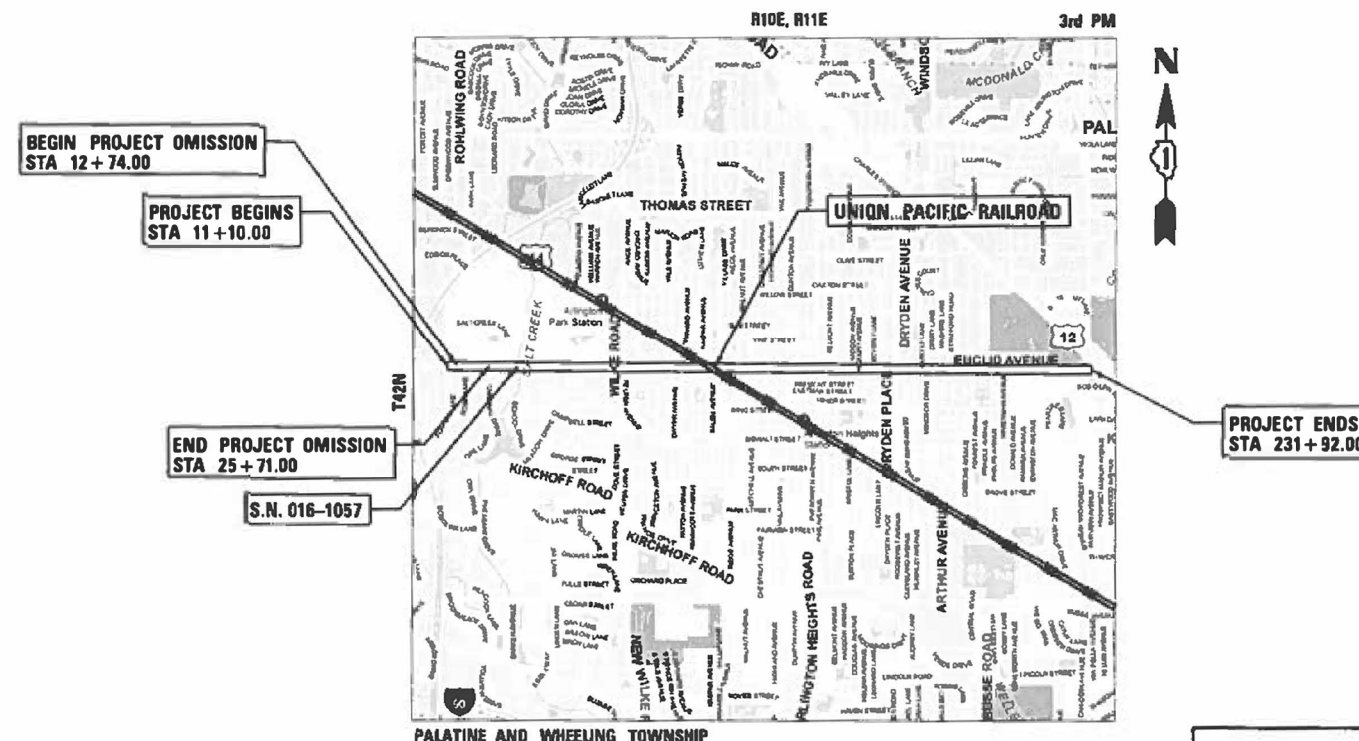


LOCATION OF SECTION INDICATED THIS: -



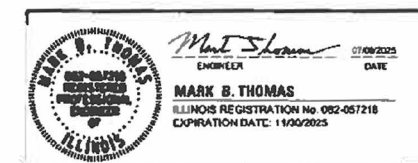
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS THE ABOVE SCALES MAY BE USED.

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



LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 22,082 FT. = 4.182 MILES
NET LENGTH = 20,785 FT. = 3.937 MILES



CB
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 800
Rosemont, Illinois 60018
(847) 823-0500

APPROVED	<i>Albert K Stefan</i>	10/3/2025
VILLAGE ENGINEER VILLAGE OF ARLINGTON HEIGHTS		
APPROVED	<i>[Signature]</i>	10/3/2025
PUBLIC WORKS DIRECTOR CITY OF ROLLING MEADOWS		
PASSED	<i>Nov. 6, 2025</i>	
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS		
RELEASED FOR BID BASED ON LIMITED REVIEW	<i>[Signature]</i>	10/06/2025
REGIONAL ENGINEER		

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OF THE STATE OF ILLINOIS

CONTRACT NO. 61L93

GENERAL NOTES

1.

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022: THE JANUARY 1, 2026 SUPPLEMENTAL SPECIFICATIONS, RECURRING SPECIAL PROVISIONS, "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD), THE "DETAILS" IN THE PLANS, ARLINGTON HEIGHTS ENGINEERING DETAILS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
2.

IT IS THE CONTRACTOR’S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.
3.

THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.
4.

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
5.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ANY OTHER ROADWAY PROJECTS WITHIN THE AREA THAT ARE UNDER CONSTRUCTION AT THE SAME TIME. CONCURRENT PROJECTS WILL INCLUDE CONTRACT 62W30 (BRIDGE WORK ON EUCLID AVE OVER IL ROUTE 53).
6.

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.
7.

THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN, AREA TRAFFIC FIELD ENGINEER VIA EMAIL AT FADI.SULTAN@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
8.

THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT EXCEPT FOR PERIODS OF SHORT DURATION AS APPROVED BY THE ENGINEER.
9.

AT THE END OF EACH DAY, IT SHALL BE THE CONTRACTOR’S RESPONSIBILITY TO ASSURE THAT ALL STREETS ADJACENT TO THE PROJECT ARE FREE OF ALL CONSTRUCTION RELATED DEBRIS INCLUDING DIRT, STONE, NAILS, ETC. THE WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE OF ARLINGTON HEIGHTS.
10.

THE AGGREGATE GRADATION FOR THE LOWER 9 INCHES OF AGGREGATE SUBGRADE IMPROVEMENT 12” SHALL BE CS 1 OR RR 1.
11.

CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
12.

ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
13.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
14.

ANY AGGREGATE SUBGRADE CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR’S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR’S EXPENSE.

15.

BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b,c) OF THE SSRBC WILL NOT BE ALLOWED.
16.

IT IS THE CONTRACTOR’S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.
17.

THE FOLLOWING IS AN APPRROVED LIST OF FLAGGING COMPANIES FOR THE UNION PACIFIC:

RAILPROS:
EMAIL: UP.INFO@RAILPROS.COM
PHONE: 877-315-0513 EXT 116

NATIONAL RAILROAD SAFETY SERVICES:
EMAIL: UOP.REQUEST@NRSINC.NET
PHONE 877-984-6777
[HTTPS://WWW.NRSSINC.NET/CONTACTS](https://www.nrssinc.net/contacts)
18.

ALL PERSONNEL WORKING WITHIN THE UNION PACIFIC RIGHT-OF-WAY WILL NEED TO BE E-RAILSAFE CERTIFIED. INFORMATION ABOUT THE E-RAILSAFE TRAINING CAN BE ACCESS FROM THE LINK BELOW:
[HTTPS://WWW.UP.COM/COMMUNITIES/RAIL-SAFETY/ERAILSAFE](https://www.up.com/communities/rail-safety/erailsafe)
19.

UTILITIES
(A) ALL UNDERGROUND UTILITY LOCATIONS, INCLUDING BUT NOT LIMITED TO SANITARY AND STORM SEWERS, WATER MAINS AND THEIR RESPECTIVE SERVICE LINES, SHOWN ON THE PLANS ARE APPROXIMATE ONLY. UNDERGROUND FACILITIES REPRESENTS ONLY THE OPINION OF THE CITY, AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. IT SHALL BE THE CONTRACTOR’S RESPONSIBILITY TO HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL UTILITIES AS NECESSARY, PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY J.U.I.I.E. AT (800) 892-0123, AND ALL PUBLIC AND PRIVATE UTILITIES BEFORE STARTING CONSTRUCTION.

(B) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.

(C) THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF ARLINGTON HEIGHTS PRIOR TO BEGINNING ANY REMOVALS. THE VILLAGE WILL MARK ALL MUNICIPAL OWNED UTILTIES IN ADDITION TO JULIE. CARE SHALL BE TAKEN DURING CURB AND GUTTER REPLACEMENT TO AVOID DAMAGE TO VILLAGE OWNED STREETLIGHT CONUIT.
20.

THE CONTRACTOR SHALL NOTIFY THE COOK COUNTY PERMIT DIVISION, MR. MICHAEL STERR AT (312) 603-1670 AND THE CCDOTH DESIGN ENGINEER AT (312) 603-1730 AT LEAST 5 DAYS PRIOR TO BEGINNING CONSTRUCTION.
21.

IF ANY EXISTING PAVEMENT MARKING AND/OR SIGNING ALONG COOK COUNTY ROADWAYS IS DAMAGED DUE TO CONSTRUCTION OF PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL REPLACE THE DAMAGED TRAFFIC CONTROL DEVICES TO THE SATISFACTION OF COOK COUNTY PER IDOT AND IDOT DISTRICT 1 STANDARDS FOR TRAFFIC CONTROL DEVICES, PAVEMENT MARKING, AND SIGNAGE INCLUDED IN THE PLANS
22.

DURING CONSTRUCTION OF PROPOSED IMPROVEMENTS ALONG EUCLID AVENUE, TWO WAY TRAFFIC SHALL REMAIN OPEN FOR ALL TRAFFIC AT ALL TIMES. IF ANY ACTIVITY REQUIRES ENCROACHMENT INTO A LANE OPEN FOR TRAFFIC, THAT ACTIVITY SHALL BE RESTRICTRTED TO WITHIN THE HOURS OF 9:00 A.M. TO 3:00 P.M. FOLLOWING THE APPLICABLE IDOT AND IDOT-DISTRICT 1 TRAFFIC CONTROL STANDARDS INCLUDED IN THE PLANS FOR OFF-ROAD AND ON-ROAD APPLICATIONS.
23.

TRENCH BACKFILL MEETING THE REQUIREMENTS OF ARTICLE 208.02 OF THE IDOT STANDARDS SPECIFICATIONS IS REQUIRED FOR ANY OPEN TRENCHES IN COUNTY RIGHT-OF-WAY.

24.

CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, FIBER CABLES AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUITS, CABLES AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUITS, CABLES AND/OR EQUIPMENT.
25.

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS IS NOT PART OF JULIE. FOR LOCATION OF TRAFFIC SIGNAL EQUIPMENT, CONTACT THE MECHANICAL, ELECTRICAL, ARCHITECTURAL AND LANDSCAPING DIVISION AT 312-603-1730.
26.

THE CCDOTH PERMIT HAS BEEN PROCESSED. THE CONTRACTOR MUST SUBMIT CONTRACTOR INSURANCE AND BOND TO CCDOTH TO FINALIZE AND RECEIVE FINAL PERMIT. CCDOTH PERMIT REFERENCE # IS 2025-XXXXX.

HIGHWAY STANDARDS

000001 - 09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001 - 12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011 - 05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016 – 06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021 – 07	DEPRESSED CORNER FOR SIDEWALKS
442101 – 09	CLASS B PATCHES
442201 – 04	CLASS C AND D PATCHES
602001 - 02	CATCH BASIN TYPE A
604001 - 05	FRAME AND LIDS TYPE 1
604051 – 04	FRAME AND GRATE TYPE 11
604091 – 05	FRAME AND GRATE TYPE 24
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
701106 - 02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15’ (4.5 m) AWAY
701301 - 04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311 – 03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS – DAY ONLY
701427 – 05	LANE CLOSURE, MULTI-LANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS LESS THAN OR EQUAL TO 40 MPH
701501 – 06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502 – 09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606 – 10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611 – 01	URBAN HALF ROAD 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
720001 - 01	SIGN PANEL MOUNTING DETAILS
720006 - 04	SIGN PANEL ERECTION DETAILS
728001 - 01	TELESCOPING STEEL SIGN SUPPORT
729001 - 01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
731001 - 01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
880001 – 01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION

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DISTRICT ONE DETAILS

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TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN

COMMITMENTS

NONE

FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING INDEX OF SHEETS, HIGHWAY STANDARDS, DISTRICT 1 DETAILS AND GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\Arlington Heights\240327\Civil\NOT_240327_01.sht	DRAWN -	REVISED -									
PLOT SCALE = 2'	CHECKED -	REVISED -									
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -								
SCALE:						SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 61L93
						ILLINOIS					FED. AID PROJECT

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE			
SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005 60% FED / 40% LOCAL	NON-IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	NON- PARTICIPATING 100% LOCAL
	20101100	TREE TRUNK PROTECTION	EACH	20	20			
Δ	20101200	TREE ROOT PRUNING	EACH	40	40			
Δ	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	50	50			
Δ	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	25	25			
	20200100	EARTH EXCAVATION	CU YD	2264	2264			
	20800150	TRENCH BACKFILL	CU YD	14	14			
	21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQ YD	3723	3723			
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	60	60			
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	47	47			
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	47	47			
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	47	47			
	25200110	SODDING, SALT TOLERANT	SQ YD	3783	3783			
	25200200	SUPPLEMENTAL WATERING	UNIT	205	205			
	28000510	INLET FILTERS	EACH	200	200			
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	3428	3428			
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2090	2090			

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	35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	36	36			
	35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	96	96			
	35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ YD	3246	3246			
	35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	182	182			
	35800100	PREPARATION OF BASE	SQ YD	3116	3116			
	35800200	AGGREGATE BASE REPAIR	TON	315	315			
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	6708	6708			
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	65464	65464			
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	53282	53282			
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	200	200			
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	700	700			
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	5502	5502			
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	698	698			
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	11197	11197			
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	29	29			
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	16390	16390			

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SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005 60% FED / 40% LOCAL	NON-IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	NON- PARTICIPATING 100% LOCAL
	42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	200	200			
	42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	2140	2140			
	42400800	DETECTABLE WARNINGS	SQ FT	505	505			
	44000100	PAVEMENT REMOVAL	SQ YD	3116	3116			
	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	65778	65778			
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	140	140			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6016	6016			
	44000600	SIDEWALK REMOVAL	SQ FT	19197	19197			
	44003100	MEDIAN REMOVAL	SQ FT	30851	30851			
	44200966	CLASS B PATCHES, TYPE I, 10 INCH	SQ YD	325	325			
	44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	650	650			
	44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	980	980			
	44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	1300	1300			
	44201299	DOWEL BARS 1 1/2"	EACH	7280	7280			
	44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	650	650			
	44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	1300	1300			

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE			
SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005 60% FED / 40% LOCAL	NON-IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	NON- PARTICIPATING 100% LOCAL
	44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	1950	1950			
	44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	2600	2600			
	54213660	PRECAST REINFORCED CONCRETE FLARD END SECTIONS 15"	EACH	1	1			
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	100	100			
	55100700	STORM SEWER REMOVAL 15"	FOOT	100	100			
	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2			
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	10	10			
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	10	10			
	60255500	MANHOLES TO BE ADJUSTED	EACH	10	10			
	60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	90	90			
	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	10	10			
	60260100	INLETS TO BE ADJUSTED	EACH	10	10			
	60262700	INLETS TO BE RECONSTRUCTED	EACH	10	10			
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	10	10			
	60404800	FRAMES AND GRATES, TYPE 11	EACH	10	10			
	60404950	FRAMES AND GRATES, TYPE 24	EACH	10	10			
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	10	10			

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	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	10	10			
	60500050	REMOVING CATCH BASINS	EACH	2	2			
	60600605	CONCRETE CURB, TYPE B	FOOT	80	80			
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	4993	4993			
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1023	1023			
	60920012	PIPE CULVERTS TO BE CLEANED 12"	FOOT	414				414
	67100100	MOBILIZATION	L SUM	1	1			
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
	70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1			
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1			
	70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1			
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1			
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	8280	8280			
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2760	2760			
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	4536	4536			

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE			
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	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	103146	103146			
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	9746	9746			
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	6434	6434			
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	1508	1508			
Δ	72000100	SIGN PANEL - TYPE 1	SQ FT	37	37			
Δ	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	86	86			
Δ	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1321	1321			
Δ	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	17499	17499			
Δ	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1808	1808			
Δ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1642	1642			
Δ	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	270	270			
Δ	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	947	947			
Δ	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	37468	37468			
Δ	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	3065	3065			
Δ	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	2380	2380			
Δ	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	484	484			

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE			
SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005 60% FED / 40% LOCAL	NON-IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	NON- PARTICIPATING 100% LOCAL
Δ	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	525	525			
Δ	80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1		1		
Δ	80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1		
Δ	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1485		1485		
Δ	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	149		149		
Δ	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	461		461		
Δ	81400100	HANDHOLE	EACH	5		5		
Δ	81400200	HEAVY-DUTY HANDHOLE	EACH	2		2		
Δ	81400300	DOUBLE HANDHOLE	EACH	2		2		
Δ	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	6		5	1	
Δ	86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1		
Δ	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	832		832		
Δ	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1668		1668		
Δ	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1763		1763		
Δ	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2437		2437		
Δ	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1636		1636		

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE			
SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005 60% FED / 40% LOCAL	NON-IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	NON- PARTICIPATING 100% LOCAL
Δ	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3263		3263		
Δ	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	206		206		
Δ	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1577		1577		
Δ	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2		2		
Δ	87700130	STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.	EACH	1		1		
Δ	87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1		1		
Δ	87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1		1		
Δ	87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1		
Δ	87702316	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 44 FT.	EACH	1		1		
Δ	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12		12		
Δ	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4		
Δ	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10		10		
Δ	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	49		49		
Δ	87900200	DRILL EXISTING HANDHOLE	EACH	11		11		
Δ	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10		10		
Δ	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2		

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE			
SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005 60% FED / 40% LOCAL	NON-IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	NON- PARTICIPATING 100% LOCAL
Δ	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		2		
Δ	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6		6		
Δ	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8		
Δ	88200100	TRAFFIC SIGNAL BACKPLATE	EACH	16		16		
Δ	88500100	INDUCTIVE LOOP DETECTOR	EACH	10		10		
Δ	88600100	DETECTOR LOOP, TYPE I	FOOT	1806		1548	258	
Δ	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1		
Δ	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2		2		
Δ	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2		2		
Δ	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1		1		
Δ	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	922		922		
Δ	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	737		737		
Δ	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5		5		
Δ	89502380	REMOVE EXISTING HANDHOLE	EACH	12		12		
Δ	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	3		3		
Δ	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11		11		

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE			
SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005 60% FED / 40% LOCAL	NON-IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	NON- PARTICIPATING 100% LOCAL
Δ	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1			
Δ	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	345		345		
Δ	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	360		360		
	X0326806	WASHOUT BASIN	L SUM	1	1			
Δ	X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4		4		
Δ	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	6		6		
Δ	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	7		7		
Δ	X1400424	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	791		791		
	X1400450	REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	2		2		
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	5	5			
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	5	5			
	X4060282	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	130	130			
	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	160	160			
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	32346	32346			
	X5537700	STORM SEWERS TO BE CLEANED 10"	FOOT	2959				2959
	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	4160				4160

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE			
SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005 60% FED / 40% LOCAL	NON-IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	NON- PARTICIPATING 100% LOCAL
	X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	812				812
	X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	222				222
	X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	1404				1404
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	135	135			
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	52	52			
	X7810301	RECESSED REFLECTIVE PAVEMENT MARKER (HMA)	EACH	758	758			
Δ	X8570234	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1		1		
Δ	X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1		1		
Δ	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	855		855		
Δ	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	36		36		
Δ	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	52		52		
Δ	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	824			824	
Δ	X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	6		6		
Δ	X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2		2		
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	199				199
	Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	2880	2880			

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE			
SPECIALTY	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005 60% FED / 40% LOCAL	NON-IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	IDOT TRAFFIC SIGNALS 0021 60% FED / 40% LOCAL	NON- PARTICIPATING 100% LOCAL
Δ	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1		
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1			
#	Z0076600	TRAINEES	HOURL	500				
#	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500				

0042

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @NDENES	OMP
HMA MULTI-USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 4" (IN 2 LIFTS)	4% @ 50 GYR.	LR-1030-2
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 GYR.	LR-1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"	3.5% @ 50 GYR.	LR-1030-2
CLASS D PATCHES		
CLASS D PATCHES (HMA BINDER IL-19.0)	4% @ 70 GYR.	LR-1030-2
HMA BASE COURSE		
HMA BASE COURSE (HMA BINDER IL-19 mm), 9"	4% @ 70 GYR.	LR-1030-2
HMA DRIVEWAY PAVEMENT 4"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1.75"	4% @ 50 GYR.	LR-1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"	4% @ 50 GYR.	LR-1030-2
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SOYD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

NOTES:

- CONTRACTOR SHALL MILL PAVEMENT BEFORE PATCHING.
- THE EXISTING PAVEMENT SECTION CONSISTS OF VARIABLE DEPTH HMA. A CONCRETE BASE COURSE EXISTS IN SOME LOCATIONS. SEE CORE RESULTS FOR DETAILS OF EXISTING PAVEMENT STRUCTURE.
- LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BC.
- ANY PROPOSED SIDEWALK OR SHARED USE PATH THROUGH DRIVEWAYS SHALL BE CONSTRUCTED OF 8" PCC SIDEWALK OVER 4" AGGREGATE BASE COURSE.

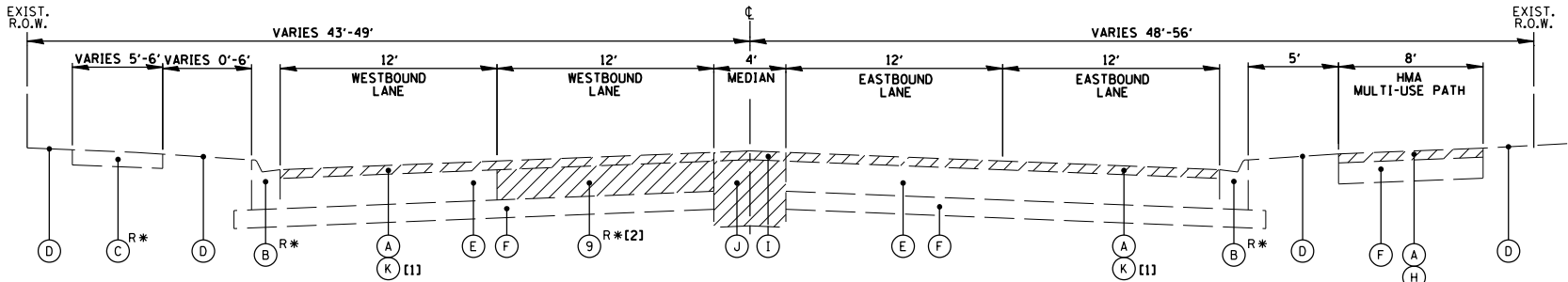
SUMMARY OF CORE RESULTS

CORE NO.	APPROX STA.	HMA THICK. (IN)	PCC BASE THICK. (IN)
C-1	30+00	3	10.5
C-2	40+00	2.5	11
C-3	50+00	3.75	10.25
C-4	60+00	2.75	11
C-5	70+00	2.5	10.5
C-6	80+00	4.5	7
C-7	90+00	5.5	7.5
C-8	100+00	7.25	9
C-22**	46+00	4	N/A
C-23**	60+50	2.75	N/A

** CORES OF EXISTING MULTI-USE PATH

LEGEND

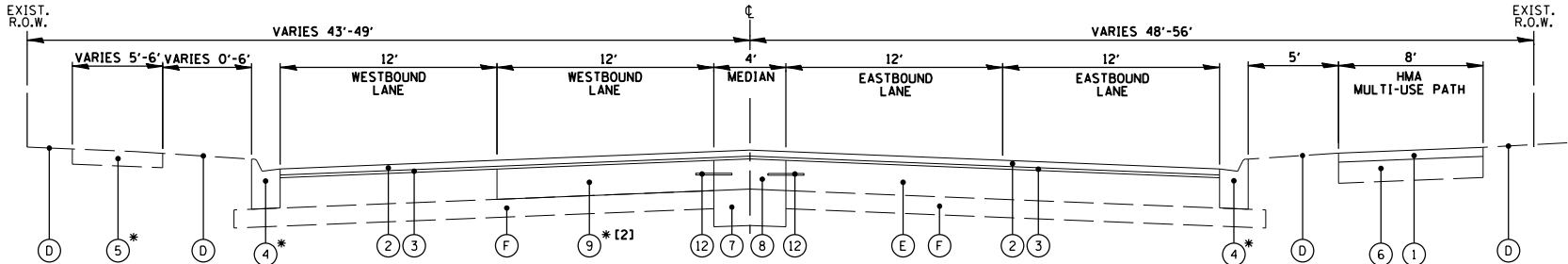
- (A) EXISTING HOT-MIX ASPHALT
- (B) EXISTING CONCRETE CURB AND GUTTER
- (C) EXISTING PCC SIDEWALK
- (D) EXISTING TOPSOIL AND SODDING
- (E) EXISTING PCC BASE
- (F) EXISTING AGGREGATE BASE
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (H) PAVEMENT REMOVAL
- (I) MEDIAN REMOVAL
- (J) EARTH EXCAVATION
- (K) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
- (4) COMBINATION CONCRETE CURB AND GUTTER (TYPE TO MATCH EXISTING)
- (5) PCC SIDEWALK 5" SEE PLANS FOR THICKNESS AT ENTRANCES AND CURB RAMPS
- (6) PREPARATION OF BASE AGGREGATE BASE REPAIR
- (7) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (8) PCC BASE COURSE 10"
- (9) CLASS B PATCHES, 10"
- (10) CLASS D PATCHES, 9"
- (11) HOT-MIX ASPHALT BASE COURSE, 9"
- (12) DRILL AND GROUT #6 TIE BARS (24" @ 36" CENTERS)
- R REMOVAL
- * AT LOCATIONS AS DIRECTED BY THE ENGINEER



EXISTING TYPICAL SECTION
EUCLID AVENUE

4-LANE SECTION W/MEDIAN
STA 40+47 TO 54+58

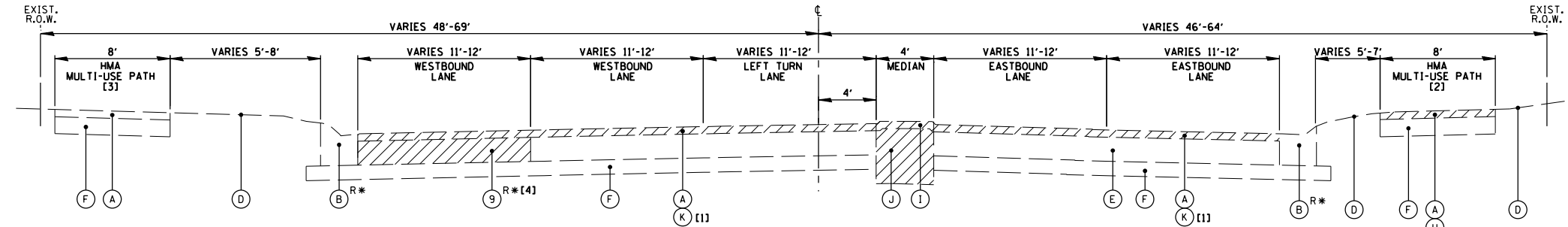
- [1] ASPHALT SHALL BE REMOVED TO PCC BASE
SEE SPECIAL PROVISIONS FOR MORE INFORMATION
- [2] CLASS B PATCHES SHALL BE ONE LANE WIDTH
WIDE AND AT LEAST 6' LONG



PROPOSED TYPICAL SECTION
EUCLID AVENUE

4-LANE SECTION W/MEDIAN
STA 40+47 TO 54+58

- [2] CLASS B PATCHES SHALL BE ONE LANE WIDTH
WIDE AND AT LEAST 6' LONG

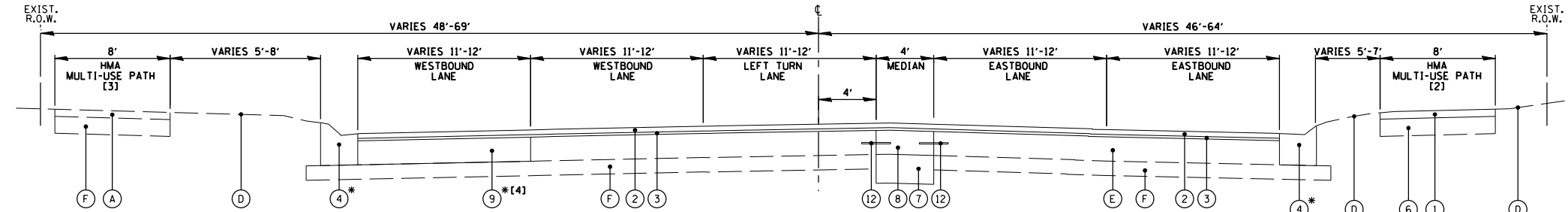


EXISTING TYPICAL SECTION
EUCLID AVENUE

5-LANE SECTION
STA 11+10 TO STA 12+74
STA 25+71 TO STA 40+47
STA 54+58 TO STA 77+78

- [1] ASPHALT SHALL BE REMOVED TO PCC BASE
SEE SPECIAL PROVISIONS FOR MORE INFORMATION
- [2] NO PATH FROM 11+10 TO 12+74 AND
25+71 TO 27+97
5' WIDE PCC SIDEWALK FROM 71+40 TO 77+78
AND 229+77 TO 231+92
- [3] NO PATH FROM 28+09 TO 40+47
5' WIDE PCC SIDEWALK FROM 71+42 TO 77+78

- [4] CLASS B PATCHES SHALL BE ONE LANE WIDTH
WIDE AND AT LEAST 6' LONG



PROPOSED TYPICAL SECTION
EUCLID AVENUE

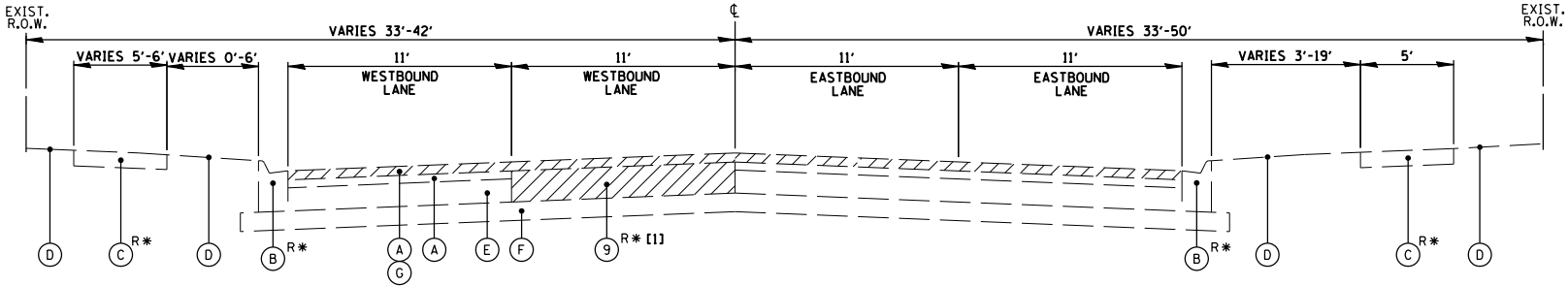
5-LANE SECTION
STA 11+10 TO STA 12+74
STA 25+71 TO STA 40+47
STA 54+58 TO STA 77+78

- [4] CLASS B PATCHES SHALL BE ONE LANE WIDTH
WIDE AND AT LEAST 6' LONG

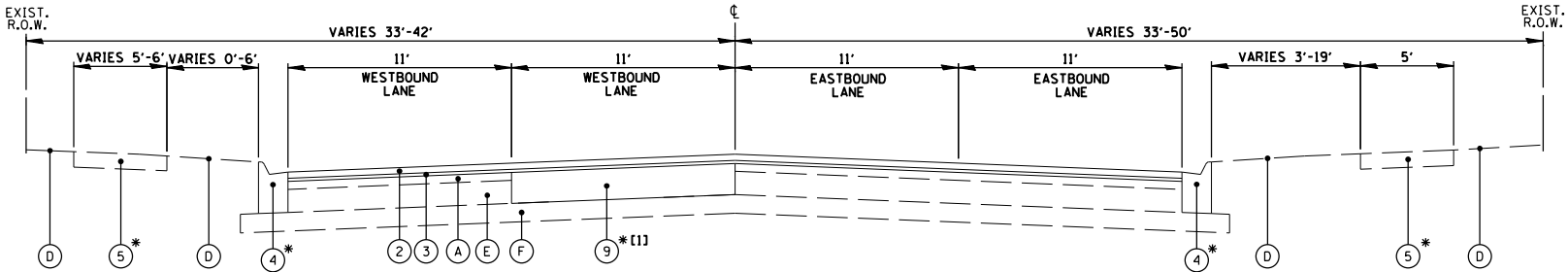
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		DRAWN -	REVISED -				1292	23-00221-00-R5	COOK	106	15
Default	PLOT SCALE = 10'	CHECKED -	REVISED -		SCALE:		CONTRACT NO. 61L93				
		DATE -	REVISED -		SHEET OF SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT		

SUMMARY OF CORE RESULTS			
CORE NO.	APPROX STA.	HMA THICK. (IN)	PCC BASE THICK. (IN)
C-9	110+00	12.5	N/A
C-10	119+50	13	N/A
C-11	129+50	11.5	N/A
C-12	140+00	13.5	N/A
C-13	149+50	14	N/A
C-14	160+00	13.5	N/A
C-15	170+00	9.5	N/A
C-16	180+00	11.75	N/A
C-17	190+00	10.5	N/A
C-18	200+00	14	N/A
C-19	210+00	12	N/A
C-20	220+00	10.5	N/A
C-21	230+00	12	N/A
C-24	133+10	13.25	N/A

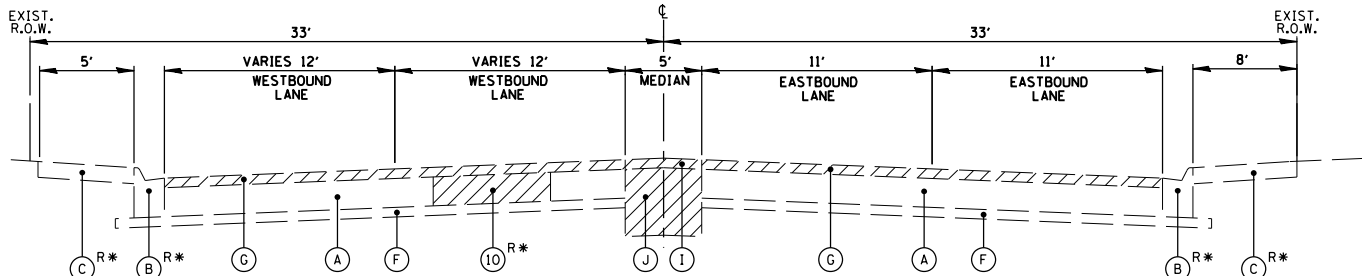
- NOTES:
- CONTRACTOR SHALL MILL PAVEMENT BEFORE PATCHING.
 - THE EXISTING PAVEMENT SECTION CONSISTS OF VARIABLE DEPTH HMA. A CONCRETE BASE COURSE EXISTS IN SOME LOCATIONS. SEE CORE RESULTS FOR DETAILS OF EXISTING PAVEMENT STRUCTURE.
 - LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BC.
 - ANY PROPOSED SIDEWALK OR SHARED USE PATH THROUGH DRIVEWAYS SHALL BE CONSTRUCTED OF 8" PCC SIDEWALK OVER 4" AGGREGATE BASE COURSE.



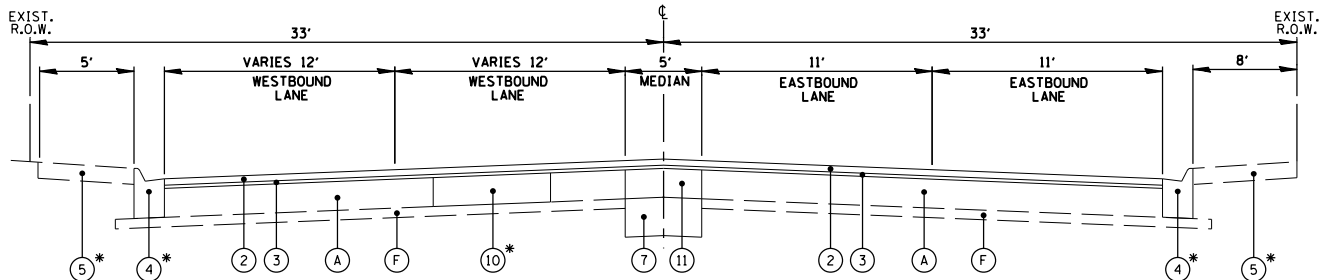
EXISTING TYPICAL SECTION
EUCLID AVENUE
4-LANE SECTION
STA 77+78 TO STA 101+50



PROPOSED TYPICAL SECTION
EUCLID AVENUE
4-LANE SECTION
STA 77+78 TO STA 101+50



EXISTING TYPICAL SECTION
EUCLID AVENUE
4-LANE SECTION W/MEDIAN
STA 105+07 TO STA 106+37

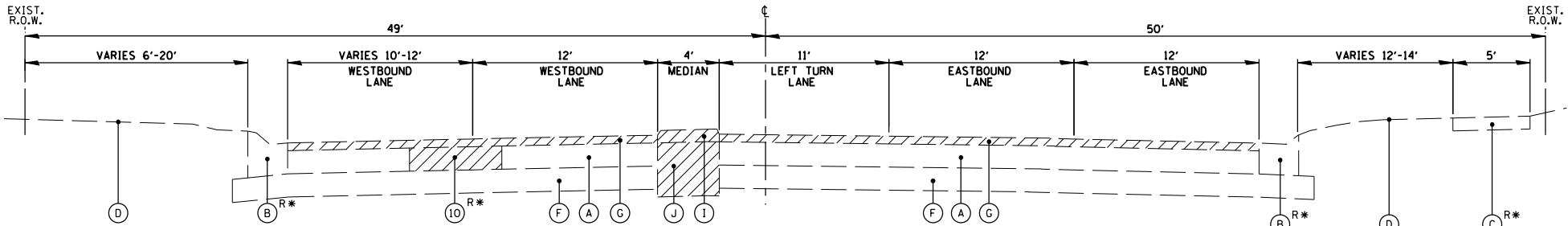


PROPOSED TYPICAL SECTION
EUCLID AVENUE
4-LANE SECTION W/MEDIAN
STA 105+07 TO STA 106+37

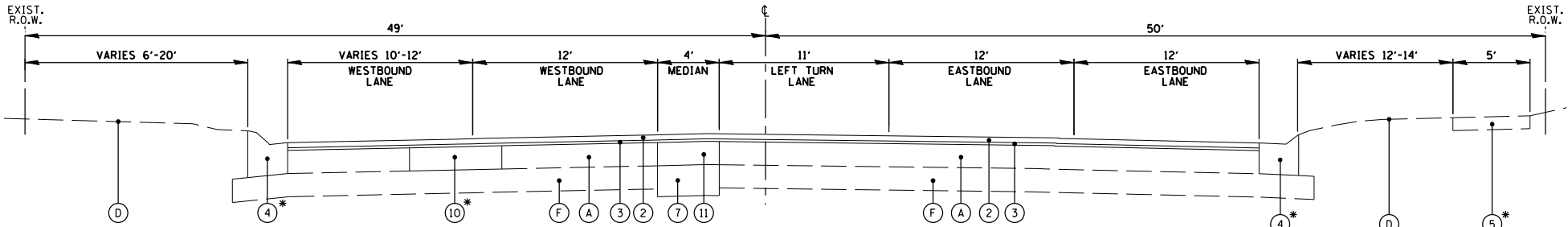
- LEGEND**
- (A) EXISTING HOT-MIX ASPHALT
 - (B) EXISTING CONCRETE CURB AND GUTTER
 - (C) EXISTING PCC SIDEWALK
 - (D) EXISTING TOPSOIL AND SODDING
 - (E) EXISTING PCC BASE
 - (F) EXISTING AGGREGATE BASE
 - (G) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 - (H) PAVEMENT REMOVAL
 - (I) MEDIAN REMOVAL
 - (J) EARTH EXCAVATION
 - (K) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
 - (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 4"
 - (2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
 - (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
 - (4) COMBINATION CONCRETE CURB AND GUTTER (TYPE TO MATCH EXISTING)
 - (5) PCC SIDEWALK 5"
SEE PLANS FOR THICKNESS AT ENTRANCES AND CURB RAMPS
 - (6) PREPARATION OF BASE
AGGREGATE BASE REPAIR
 - (7) AGGREGATE SUBGRADE IMPROVEMENT 12"
 - (8) PCC BASE COURSE 10"
 - (9) CLASS B PATCHES, 10"
 - (10) CLASS D PATCHES, 9"
 - (11) HOT-MIX ASPHALT BASE COURSE, 9"
 - (12) DRILL AND GROUT #6 TIE BARS (24" @ 36" CENTERS)
 - R REMOVAL
 - * AT LOCATIONS AS DIRECTED BY THE ENGINEER

FILE NAME = N:\Arlington Heights\240327\Civil\TYP.240327.01.sht Default	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING EXISTING AND PROPOSED TYPICAL SECTIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				1292	23-00221-00-R5	COOK	106	16
		PLOT SCALE = 10'	CHECKED -		SCALE:		SHEET OF SHEETS		STA. TO STA.		CONTRACT NO. 61L93
		PLOT DATE = 11/5/2025	DATE -								ILLINOIS FED. AID PROJECT

- NOTES:
1. CONTRACTOR SHALL MILL PAVEMENT BEFORE PATCHING.
 2. THE EXISTING PAVEMENT SECTION CONSISTS OF VARIABLE DEPTH HMA. A CONCRETE BASE COURSE EXISTS IN SOME LOCATIONS. SEE CORE RESULTS FOR DETAILS OF EXISTING PAVEMENT STRUCTURE.
 3. LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BC.
 4. ANY PROPOSED SIDEWALK OR SHARED USE PATH THROUGH DRIVEWAYS SHALL BE CONSTRUCTED OF 8" PCC SIDEWALK OVER 4" AGGREGATE BASE COURSE.



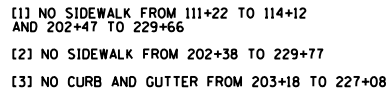
EXISTING TYPICAL SECTION
EUCLID AVENUE
5-LANE SECTION
STA 229+77 TO STA 231+92



PROPOSED TYPICAL SECTION
EUCLID AVENUE
5-LANE SECTION
STA 229+77 TO STA 231+92

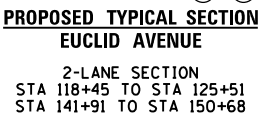
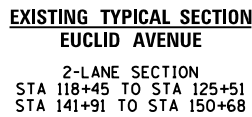
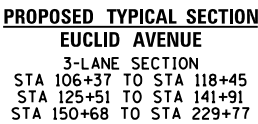
- LEGEND**
- (A) EXISTING HOT-MIX ASPHALT
 - (B) EXISTING CONCRETE CURB AND GUTTER
 - (C) EXISTING PCC SIDEWALK
 - (D) EXISTING TOPSOIL AND SODDING
 - (E) EXISTING PCC BASE
 - (F) EXISTING AGGREGATE BASE
 - (G) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 - (H) PAVEMENT REMOVAL
 - (I) MEDIAN REMOVAL
 - (J) EARTH EXCAVATION
 - (K) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
 - (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 4"
 - (2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
 - (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
 - (4) COMBINATION CONCRETE CURB AND GUTTER (TYPE TO MATCH EXISTING)
 - (5) PCC SIDEWALK 5"
 - (6) PREPARATION OF BASE
 - (7) AGGREGATE SUBGRADE IMPROVEMENT 12"
 - (8) PCC BASE COURSE 10"
 - (9) CLASS B PATCHES, 10"
 - (10) CLASS D PATCHES, 9"
 - (11) HOT-MIX ASPHALT BASE COURSE, 9"
 - (12) DRILL AND GROUT #6 TIE BARS (24" x 36" CENTERS)
 - R REMOVAL
 - * AT LOCATIONS AS DIRECTED BY THE ENGINEER

FILE NAME :	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING EXISTING AND PROPOSED TYPICAL SECTIONS					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Civil\TYP..240327.01.sht		DRAWN -	REVISED -		1292	23-00221-00-R5	COOK	106	17					
	PLOT SCALE = 10'	CHECKED -	REVISED -		CONTRACT NO. 61L93									
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



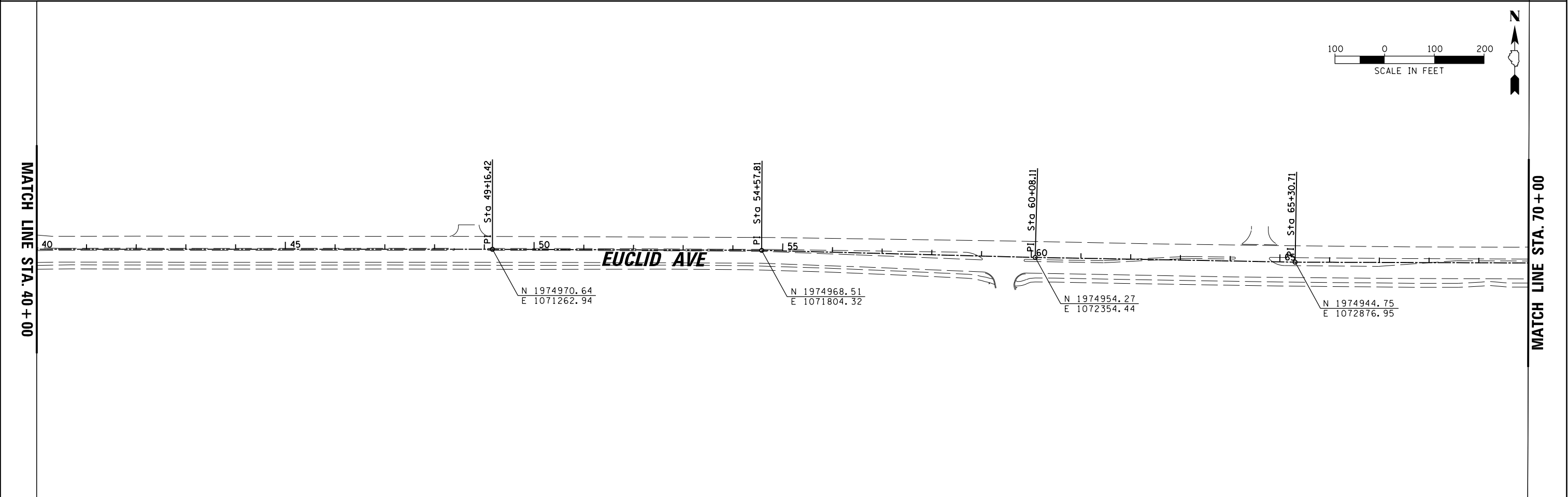
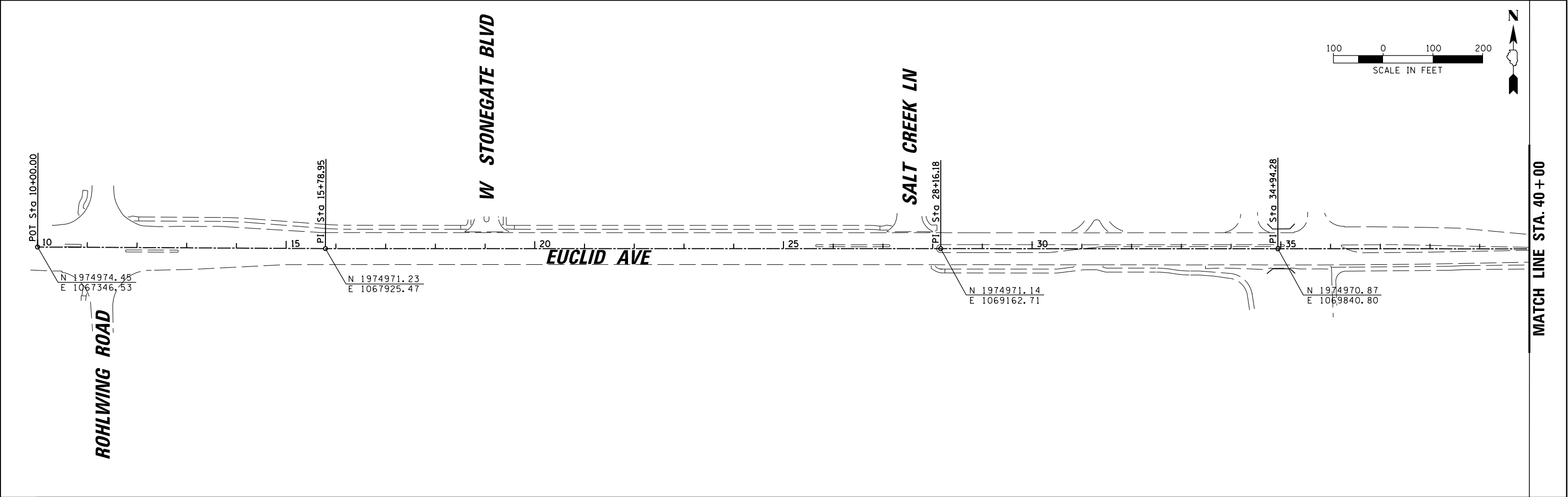
NOTES:

1. CONTRACTOR SHALL MILL PAVEMENT BEFORE PATCHING.
2. THE EXISTING PAVEMENT SECTION CONSISTS OF VARIABLE DEPTH HMA. A CONCRETE BASE COURSE EXISTS IN SOME LOCATIONS. SEE CORE RESULTS FOR DETAILS OF EXISTING PAVEMENT STRUCTURE.
3. LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BC.
4. ANY PROPOSED SIDEWALK OR SHARED USE PATH THROUGH DRIVEWAYS SHALL BE CONSTRUCTED OF 8" PCC SIDEWALK OVER 4" AGGREGATE BASE COURSE.

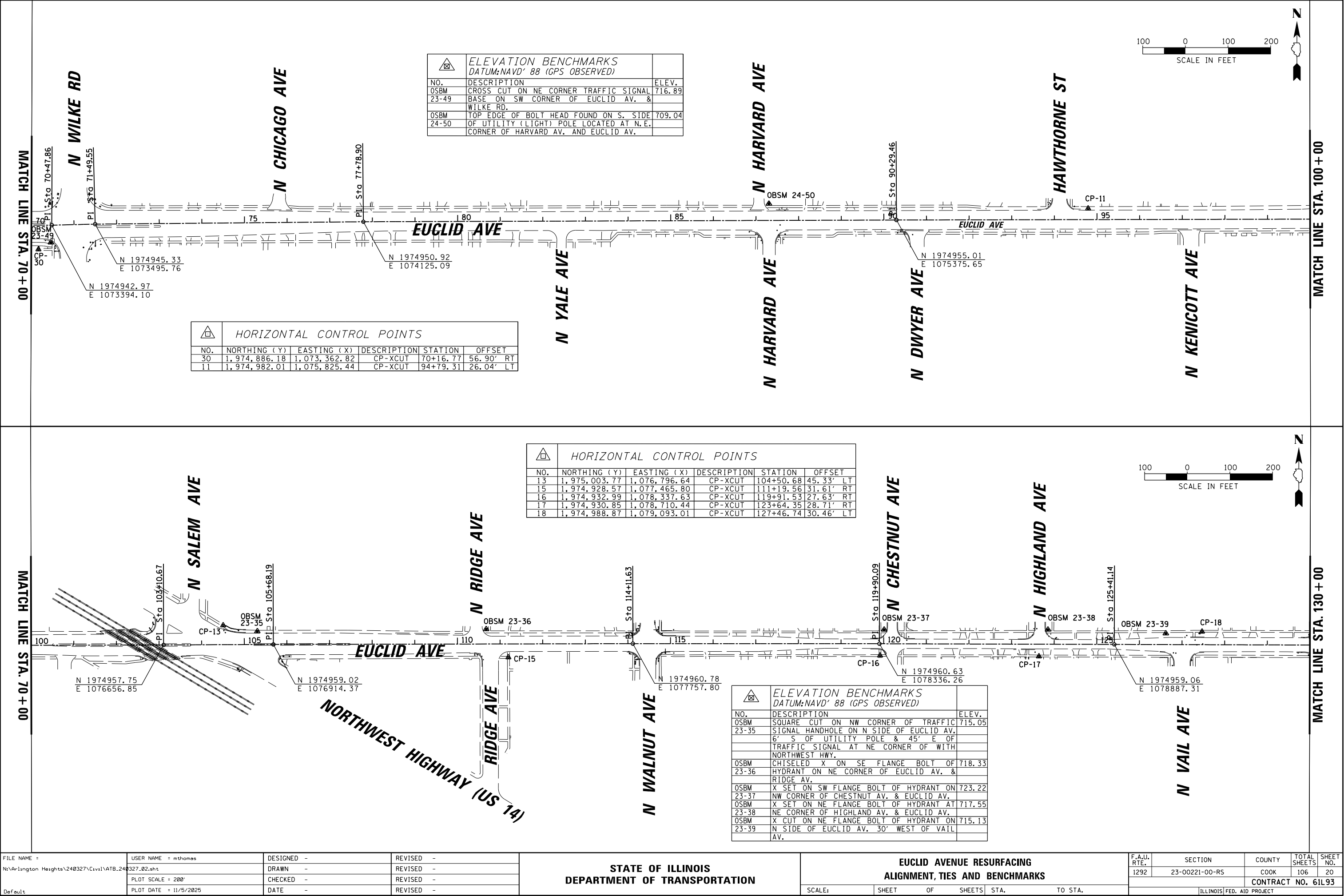


- (A) EXISTING HOT-MIX ASPHALT
- * (B) EXISTING CONCRETE CURB AND GUTTER
- * (C) EXISTING PCC SIDEWALK
- (D) EXISTING TOPSOIL AND SODDING
- (E) EXISTING PCC BASE
- (F) EXISTING AGGREGATE BASE
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (H) PAVEMENT REMOVAL
- (I) MEDIAN REMOVAL
- (J) EARTH EXCAVATION
- (K) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"
- (3) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
- * (4) COMBINATION CONCRETE CURB AND GUTTER (TYPE TO MATCH EXISTING)
- * (5) PCC SIDEWALK 5"
SEE PLANS FOR THICKNESS AT ENTRANCES AND CURB RAMPS
- (6) PREPARATION OF BASE
AGGREGATE BASE REPAIR
- (7) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (8) PCC BASE COURSE 10"
- (9) CLASS B PATCHES, 10"
- (10) CLASS D PATCHES, 9"
- (11) HOT-MIX ASPHALT BASE COURSE, 9"
- (12) DRILL AND GROUT #6 TIE BARS (24" @ 36" CENTERS)
- R REMOVAL
- * AT LOCATIONS AS DIRECTED BY THE ENGINEER

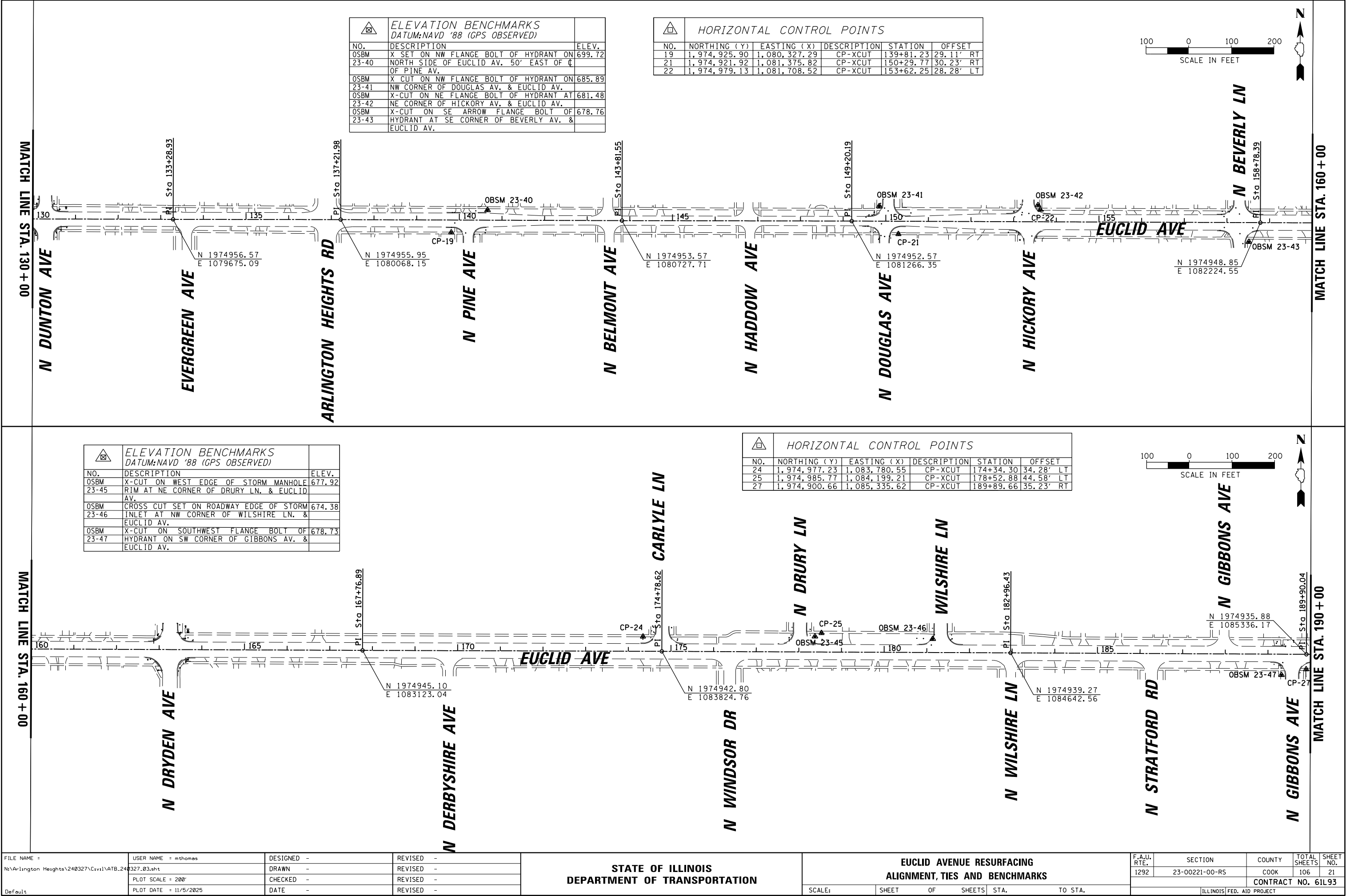
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N:\Arlington Heights\240327\Civil\TYP-240327.01.sht		DRAWN -	REVISED -						1292	23-00221-00-R5	COOK	106	18
Default	PLOT SCALE = 10'	CHECKED -	REVISED -		SCALE:		SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 61L93	
	PLOT DATE = 11/5/2025	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



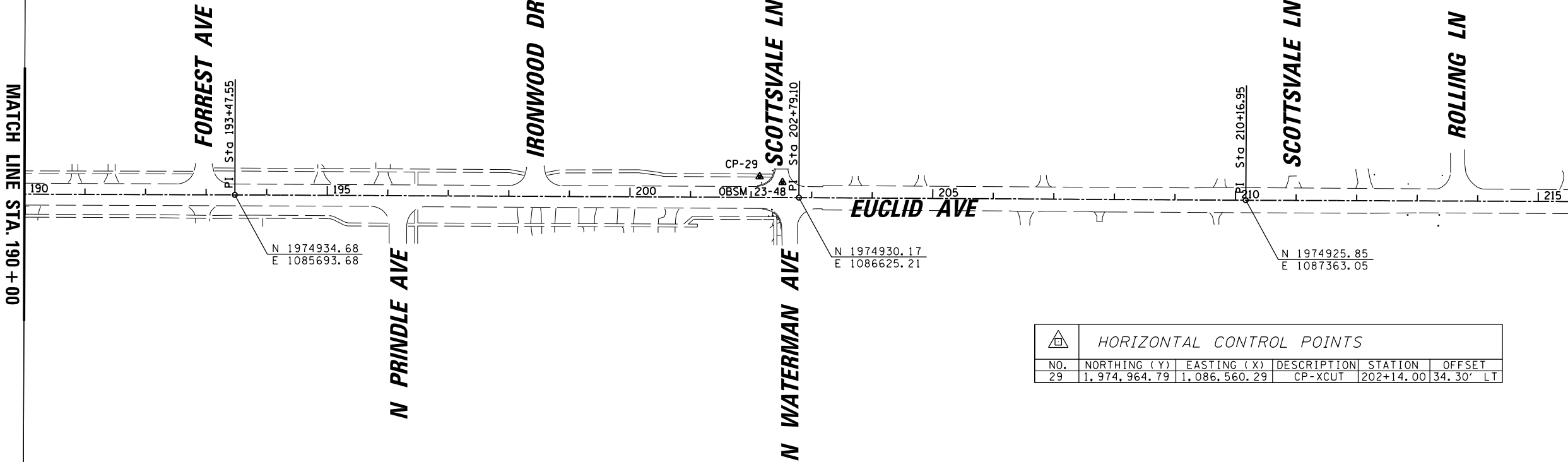
FILE NAME :	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING ALIGNMENT, TIES AND BENCHMARKS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Civil\ATB_240327.01.sht		DRAWN -	REVISED -						1292	23-00221-00-R5	COOK	106	19
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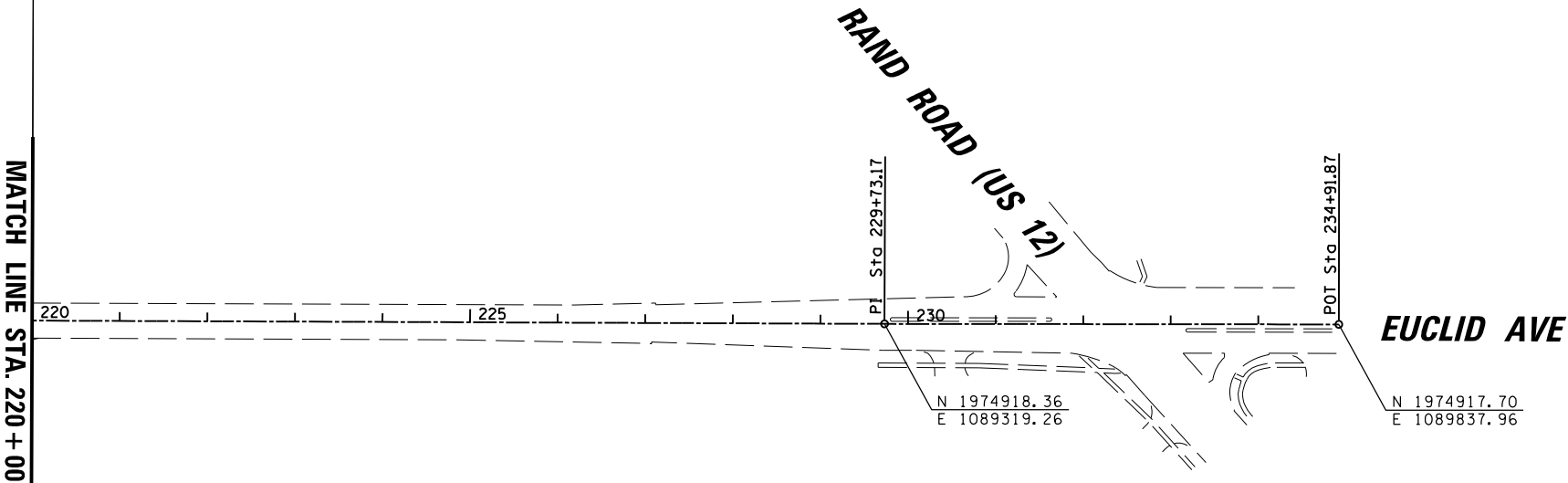
FILE NAME :	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING ALIGNMENT, TIES AND BENCHMARKS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Civil\ATB..240327.02.sht	DRAWN -	REVISED -	1292						23-00221-00-R5	COOK	106	20	
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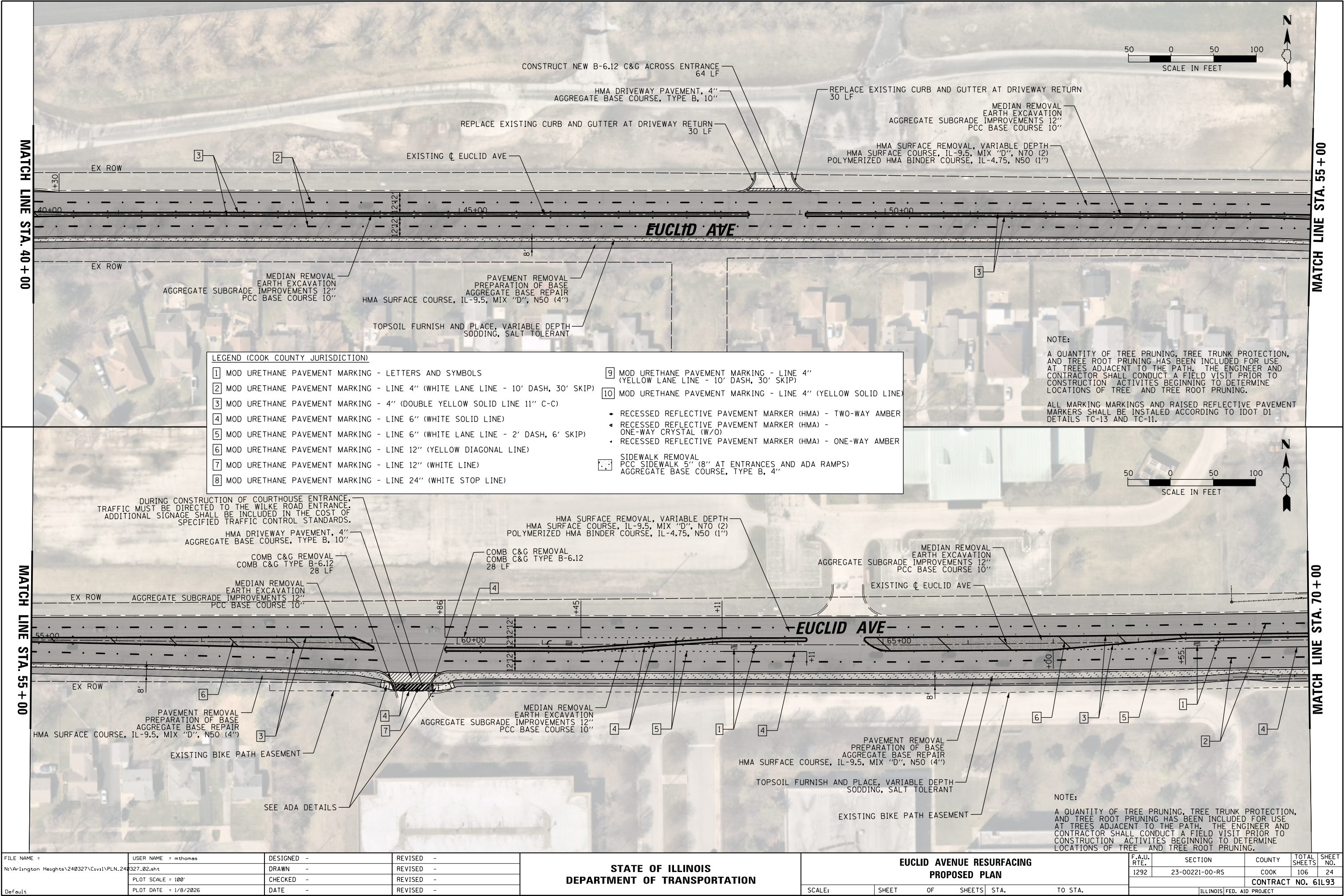
	ELEVATION BENCHMARKS DATUM:NAVD '88 (GPS OBSERVED)	
NO.	DESCRIPTION	ELEV.
05BM	CROSS CUT ON EAST SIDE OF MANHOLE RIM	673.72
23-48	ON NORTH SIDE OF EUCLID AV. AT C	
	SCOTTSDALE LN.	



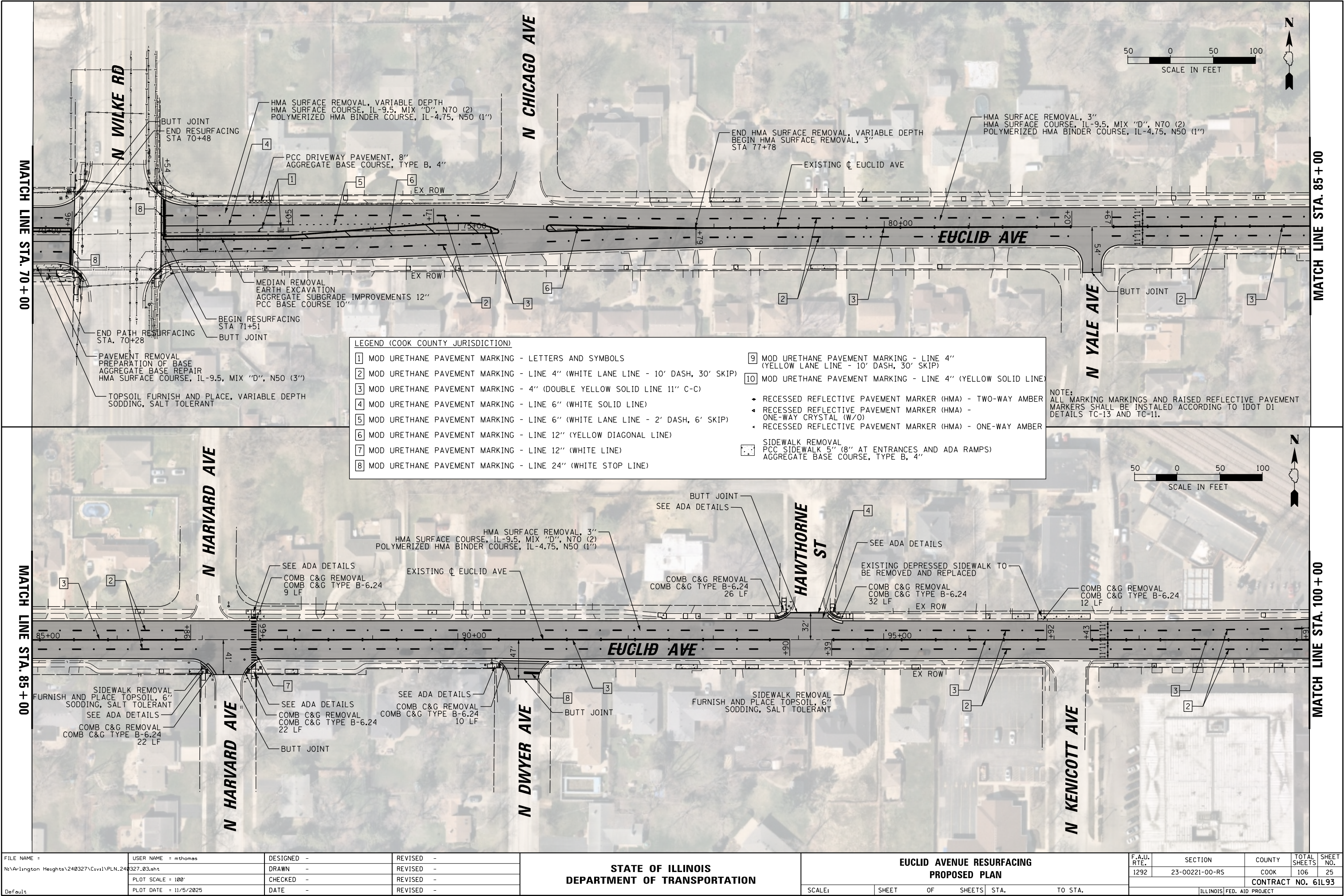
	HORIZONTAL CONTROL POINTS					
NO.	NORTHING (Y)	EASTING (X)	DESCRIPTION	STATION	OFFSET	
29	1,974,964.79	1,086,560.29	CP-XCUT	202+14.00	34.30' LT	



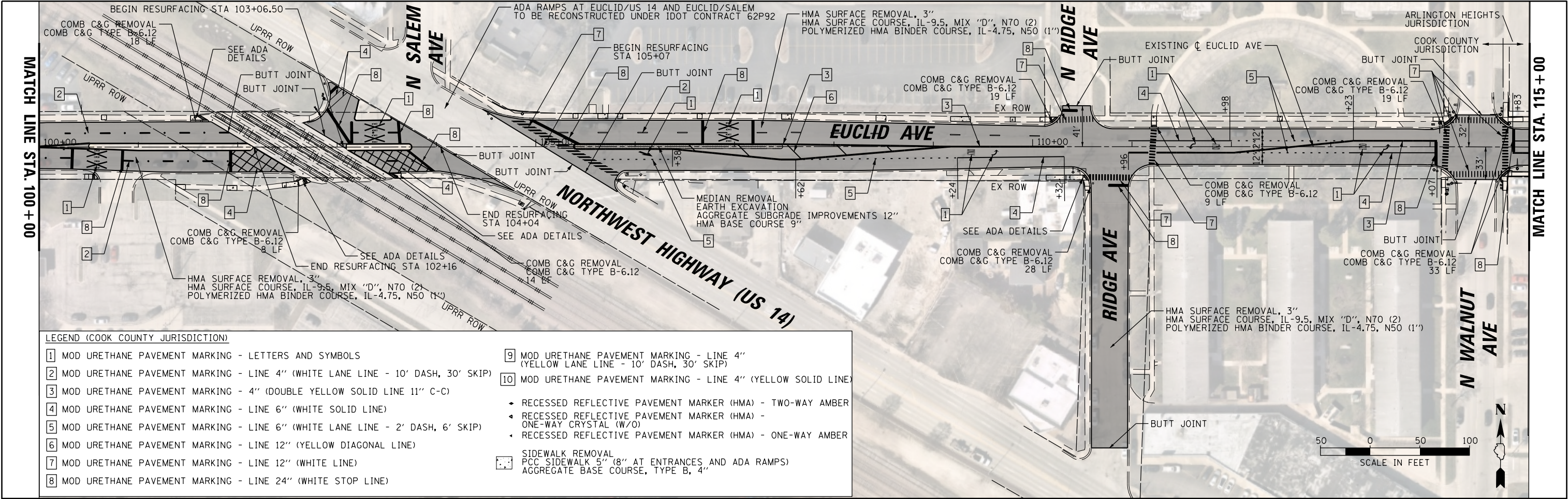
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	PLOT SCALE = 200'	DRAWN -	REVISED -					1292	23-00221-00-R5	COOK	106	22
	PLOT DATE = 11/5/2025	CHECKED -	REVISED -		CONTRACT NO. 61L93			ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		



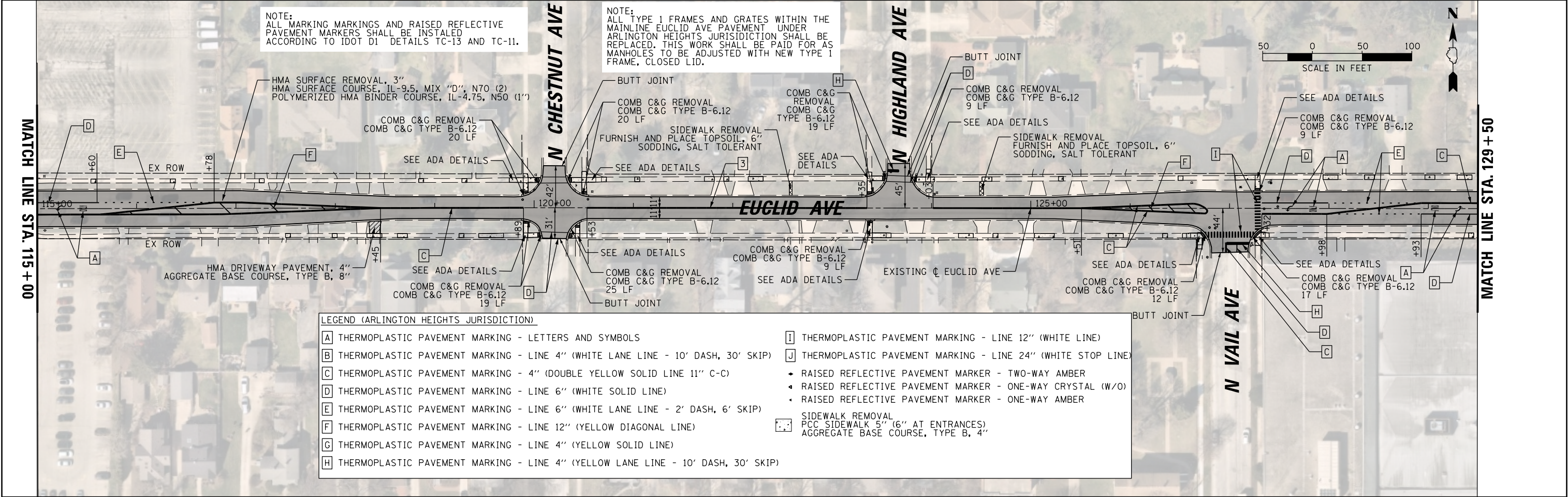
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N:\Ar\linton Heights\240327\Civil\PLN_240327_02.sht		DRAWN -	REVISED -	1292											23-00221-00-R5		COOK	106	24	
PLOT SCALE = 1/8"		CHECKED -	REVISED -	CONTRACT NO. 61L93																
PLOT DATE = 1/8/2026		DATE -	REVISED -	ILLINOIS FED. AID PROJECT																
Default				SCALE: SHEET OF SHEETS STA. TO STA.																



FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING PROPOSED PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 1/8"	CHECKED -	REVISED -	CONTRACT NO. 61L93										
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

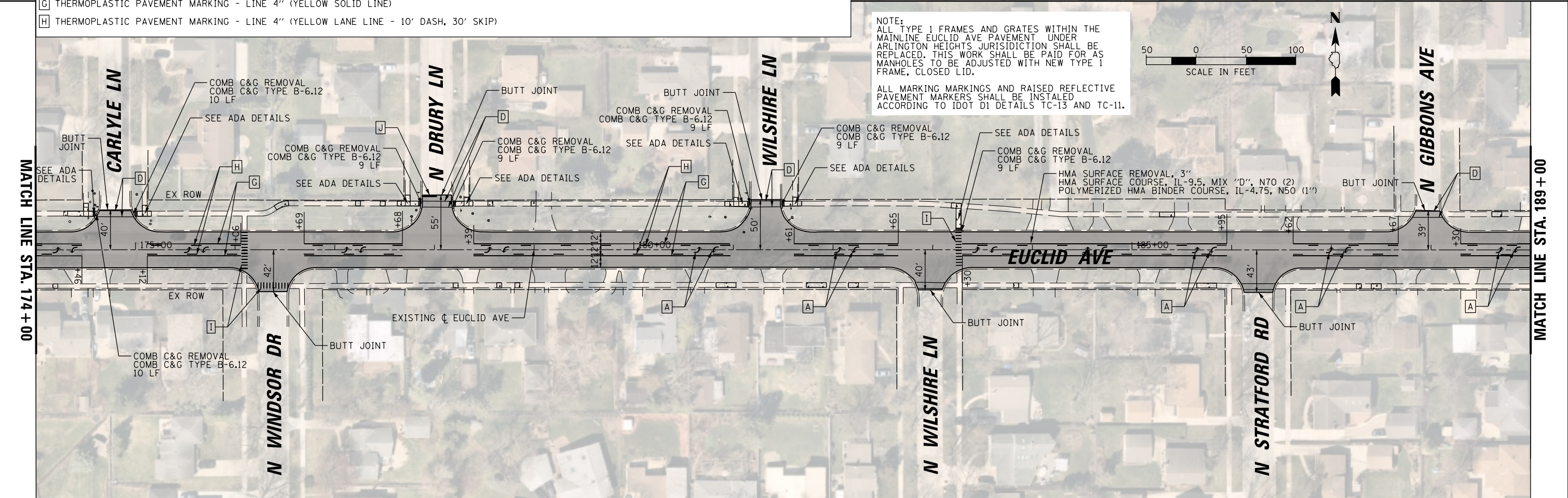
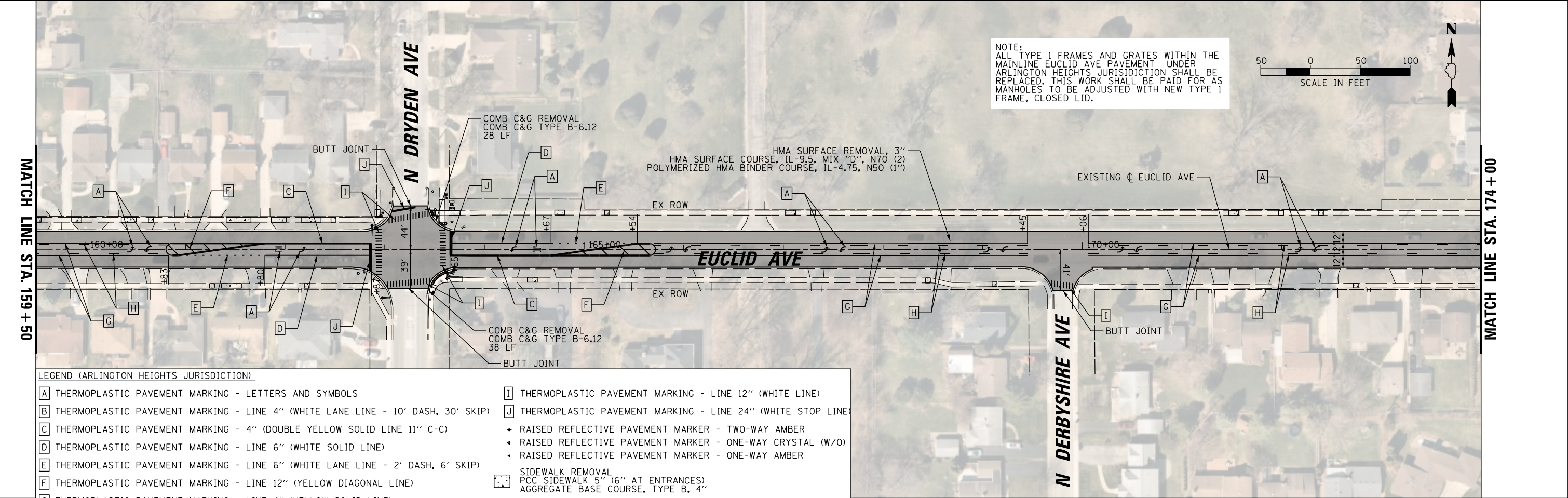


- LEGEND (COOK COUNTY JURISDICTION)
- | | | | |
|---|--|----|---|
| 1 | MOD URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS | 9 | MOD URETHANE PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP) |
| 2 | MOD URETHANE PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 10 | MOD URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) |
| 3 | MOD URETHANE PAVEMENT MARKING - 4" (DOUBLE YELLOW SOLID LINE 11" C-C) | | |
| 4 | MOD URETHANE PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) | | |
| 5 | MOD URETHANE PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | | |
| 6 | MOD URETHANE PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) | | |
| 7 | MOD URETHANE PAVEMENT MARKING - LINE 12" (WHITE LINE) | | |
| 8 | MOD URETHANE PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) | | |
- RECESSED REFLECTIVE PAVEMENT MARKER (HMA) - TWO-WAY AMBER
 - RECESSED REFLECTIVE PAVEMENT MARKER (HMA) - ONE-WAY CRYSTAL (W/O)
 - RECESSED REFLECTIVE PAVEMENT MARKER (HMA) - ONE-WAY AMBER
- SIDEWALK REMOVAL
PCC SIDEWALK 5" (8" AT ENTRANCES AND ADA RAMPS)
AGGREGATE BASE COURSE, TYPE B, 4"



- LEGEND (ARLINGTON HEIGHTS JURISDICTION)
- | | | | |
|---|--|---|---|
| A | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | I | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE) |
| B | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | J | THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) |
| C | THERMOPLASTIC PAVEMENT MARKING - 4" (DOUBLE YELLOW SOLID LINE 11" C-C) | | |
| D | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) | | |
| E | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | | |
| F | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) | | |
| G | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) | | |
| H | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP) | | |
- RAISED REFLECTIVE PAVEMENT MARKER - TWO-WAY AMBER
 - RAISED REFLECTIVE PAVEMENT MARKER - ONE-WAY CRYSTAL (W/O)
 - RAISED REFLECTIVE PAVEMENT MARKER - ONE-WAY AMBER
- SIDEWALK REMOVAL
PCC SIDEWALK 5" (6" AT ENTRANCES)
AGGREGATE BASE COURSE, TYPE B, 4"

FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING PROPOSED PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\Arlington Heights\240327\Civil\PLN.240327_04.sht		DRAWN -	REVISED -						1292	23-00221-00-R5	COOK	106	26	
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Default		PLOT DATE = 12/1/2025	DATE -		REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 61L93	
					ILLINOIS FED. AID PROJECT									



FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING PROPOSED PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Civil\PLN_240327_06.sht		DRAWN -	REVISED -						1292	23-00221-00-R5	COOK	106	28
	PLOT SCALE = 100'	CHECKED -	REVISED -						CONTRACT NO. 61L93				
	PLOT DATE = 11/5/2025	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
Default					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

LEGEND (ARLINGTON HEIGHTS JURISDICTION)

- [A] THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

[B] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)

[C] THERMOPLASTIC PAVEMENT MARKING - 4" (DOUBLE YELLOW SOLID LINE 11" C-C)

[D] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)

[E] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)

[F] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)

[G] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)

[H] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP)
- [I] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE LINE)

[J] THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)

• RAISED REFLECTIVE PAVEMENT MARKER - TWO-WAY AMBER

• RAISED REFLECTIVE PAVEMENT MARKER - ONE-WAY CRYSTAL (W/O)

• RAISED REFLECTIVE PAVEMENT MARKER - ONE-WAY AMBER

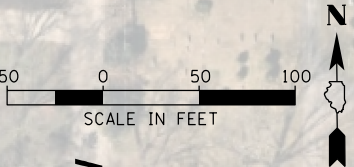
[.] SIDEWALK REMOVAL

PCC SIDEWALK 5" (6" AT ENTRANCES)

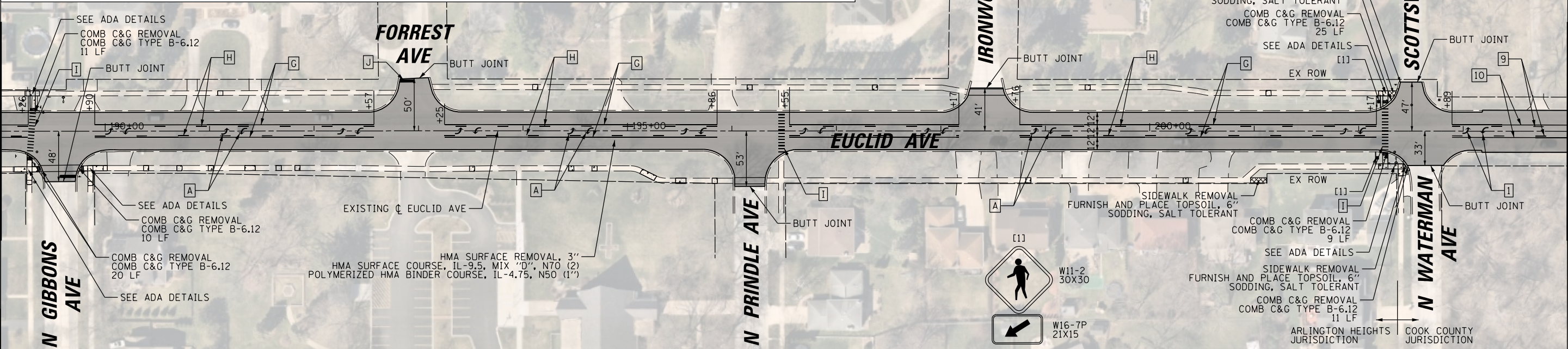
AGGREGATE BASE COURSE, TYPE B, 4"

NOTE:
ALL TYPE 1 FRAMES AND GRATES WITHIN THE MAINLINE EUCLID AVE PAVEMENT UNDER ARLINGTON HEIGHTS JURISDICTION SHALL BE REPLACED. THIS WORK SHALL BE PAID FOR AS MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID.

ALL MARKING MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT D1 DETAILS TC-13 AND TC-11.



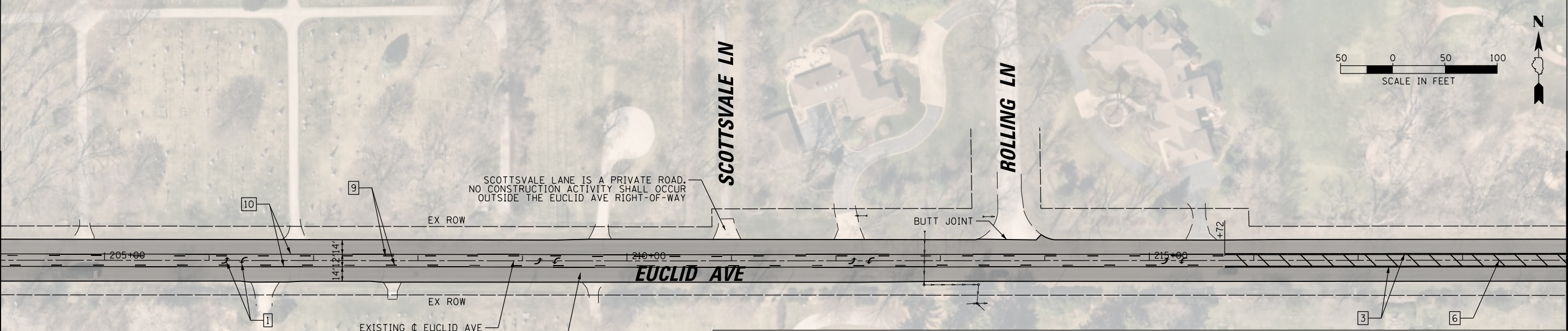
MATCH LINE STA. 189 + 00



MATCH LINE STA. 204 + 00



MATCH LINE STA. 204 + 00



MATCH LINE STA. 219 + 00

LEGEND (COOK COUNTY JURISDICTION)

- [1] MOD URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS

[2] MOD URETHANE PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP)

[3] MOD URETHANE PAVEMENT MARKING - 4" (DOUBLE YELLOW SOLID LINE 11" C-C)

[4] MOD URETHANE PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)

[5] MOD URETHANE PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)

[6] MOD URETHANE PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)

[7] MOD URETHANE PAVEMENT MARKING - LINE 12" (WHITE LINE)

[8] MOD URETHANE PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
- [9] MOD URETHANE PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP)

[10] MOD URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)

• RECESSED REFLECTIVE PAVEMENT MARKER (HMA) - TWO-WAY AMBER

• RECESSED REFLECTIVE PAVEMENT MARKER (HMA) - ONE-WAY CRYSTAL (W/O)

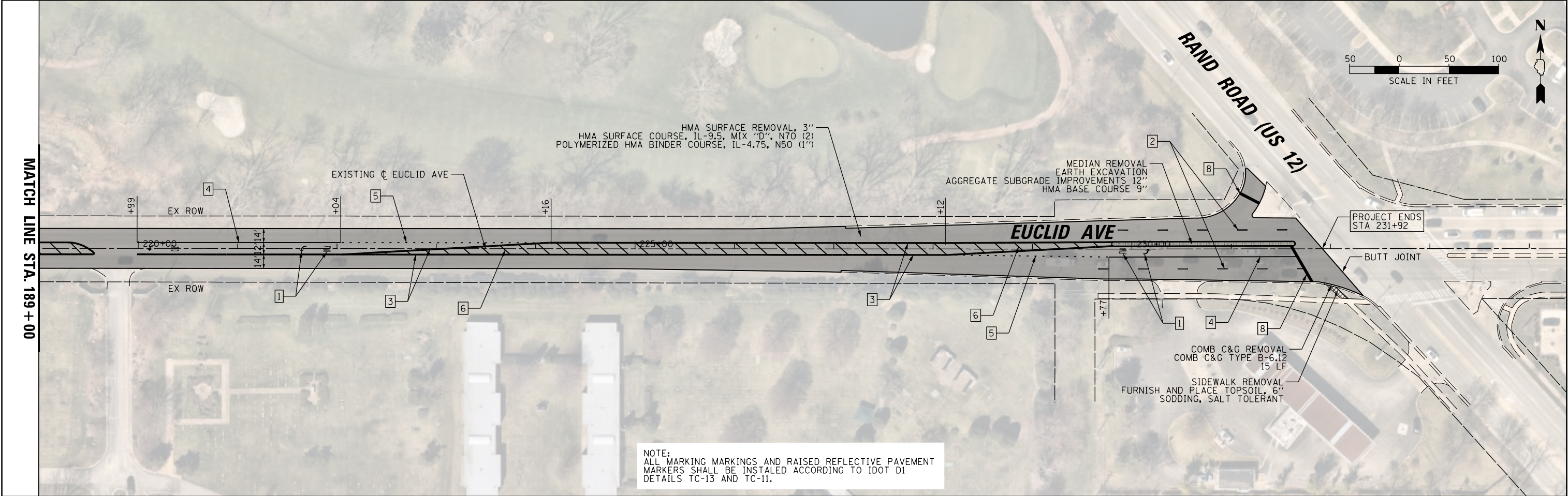
• RECESSED REFLECTIVE PAVEMENT MARKER (HMA) - ONE-WAY AMBER

[.] SIDEWALK REMOVAL

PCC SIDEWALK 5" (8" AT ENTRANCES AND ADA RAMPS)

AGGREGATE BASE COURSE, TYPE B, 4"

FILE NAME :	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING PROPOSED PLAN					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Civil\PLN-240327.07.sht		DRAWN -	REVISED -							1292	23-00221-00-R5	COOK	106	29
		CHECKED -	REVISED -							CONTRACT NO. 61L93				
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT		



LEGEND (COOK COUNTY JURISDICTION)

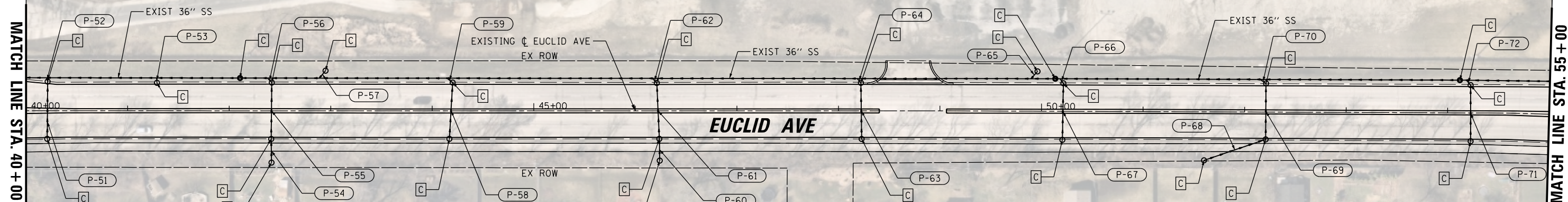
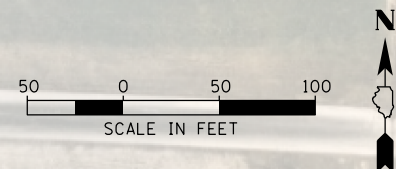
- | | |
|--|---|
| 1 MOD URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS | 9 MOD URETHANE PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP) |
| 2 MOD URETHANE PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) | 10 MOD URETHANE PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) |
| 3 MOD URETHANE PAVEMENT MARKING - 4" (DOUBLE YELLOW SOLID LINE 11" C-C) | • RECESSED REFLECTIVE PAVEMENT MARKER (HMA) - TWO-WAY AMBER |
| 4 MOD URETHANE PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) | • RECESSED REFLECTIVE PAVEMENT MARKER (HMA) - ONE-WAY CRYSTAL (W/O) |
| 5 MOD URETHANE PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | • RECESSED REFLECTIVE PAVEMENT MARKER (HMA) - ONE-WAY AMBER |
| 6 MOD URETHANE PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) | |
| 7 MOD URETHANE PAVEMENT MARKING - LINE 12" (WHITE LINE) | • SIDEWALK REMOVAL |
| 8 MOD URETHANE PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) | • PCC SIDEWALK 5" (8" AT ENTRANCES AND ADA RAMPS) |
| | • AGGREGATE BASE COURSE, TYPE B, 4" |

FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING PROPOSED PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Civil\PLN\240327_08.sht		DRAWN -	REVISED -						1292	23-00221-00-R5	COOK	106	30
	PLOT SCALE = 100'	CHECKED -	REVISED -		CONTRACT NO. 61L93								
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -		SCALE:		SHEET OF	SHEETS	STA.	TO STA.			

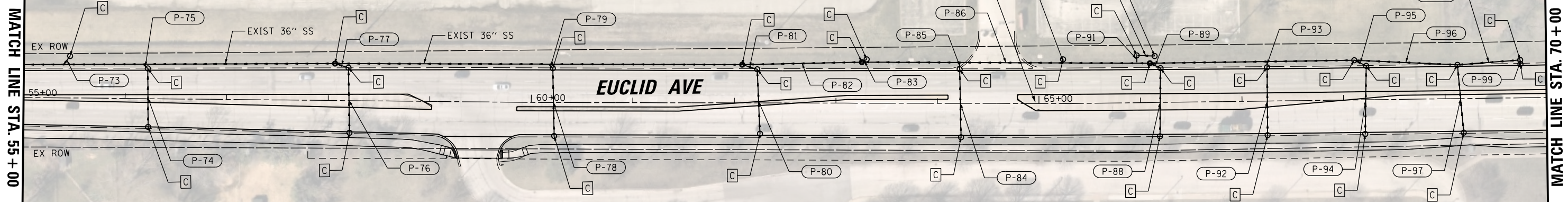
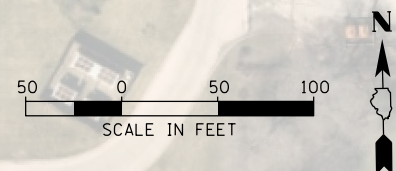
[] DRAINAGE STRUCTURE TO BE CLEANED (SEE NOTE [1])

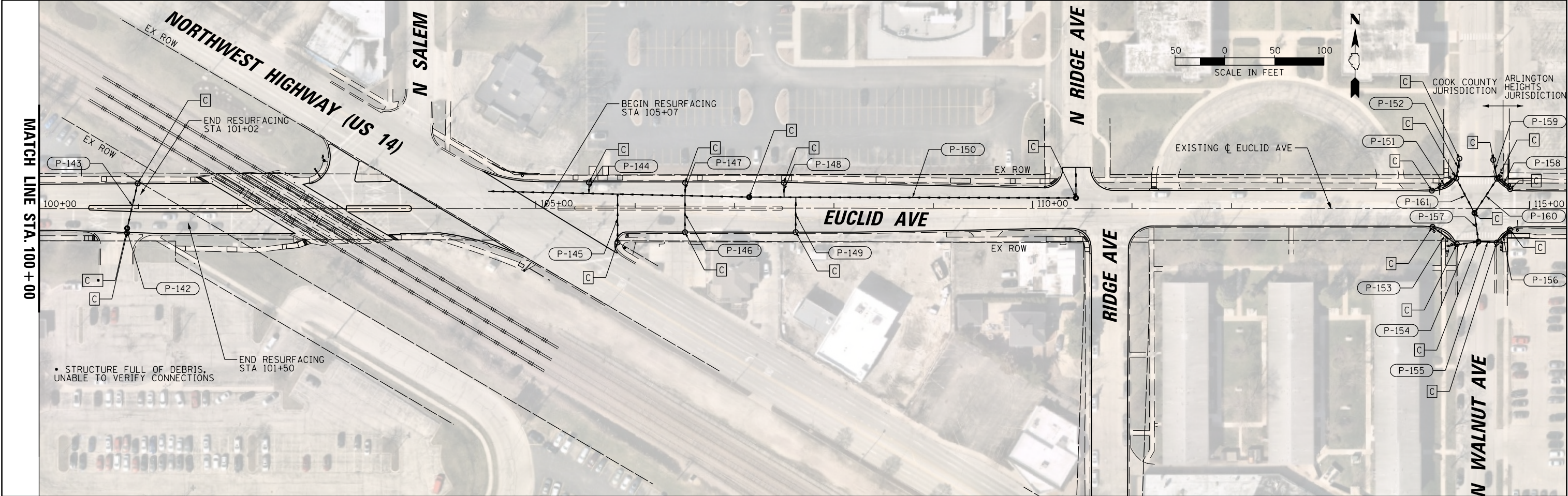
P-X STORM SEWER TO BE CLEANED (SEE TABLE FOR DETAILS)

[1] CLEANING OF EXISTING DRAINAGE STRUCTURES WHICH ARE TO BE ADJUSTED SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 602.16



STORM SEWERS TO BE CLEANED			STORM SEWERS TO BE CLEANED			STORM SEWERS TO BE CLEANED			STORM SEWERS TO BE CLEANED		
PIPE NO.	DIA (IN)	LENGTH (FT)	PIPE NO.	DIA (IN)	LENGTH (FT)	PIPE NO.	DIA (IN)	LENGTH (FT)	PIPE NO.	DIA (IN)	LENGTH (FT)
P-51	10	56	P-65	12	10	P-78	10	67	P-91	10	8
P-52	10	4	P-66	12	6	P-79	12	6	P-92	10	67
P-53	12	5	P-67	10	55	P-80	10	63	P-93	12	6
P-54	10	23	P-68	12	64	P-81	12	16	P-94	10	67
P-55	10	56	P-69	10	55	P-82	24	118	P-95	12	13
P-56	12	6	P-70	12	7	P-83	12	6	P-96	12	102
P-57	12	10	P-71	10	55	P-84	10	67	P-97	10	67
P-58	10	56	P-72	12	7	P-85	12	7	P-98	10	62
P-59	12	7	P-73	12	11	P-86	24	284	P-99	10	4
P-60	10	21	P-74	10	57	P-87	12	4			
P-61	10	55	P-75	12	6	P-88	10	67			
P-62	12	6	P-76	10	64	P-89	12	12			
P-63	10	55	P-77	12	14	P-90	10	18			





STORM SEWERS TO BE CLEANED

PIPE NO.	DIA (IN)	LENGTH (FT)
P-142	10	5
P-143	10	46
P-144	12	11
P-145	12	49
P-146	12	37
P-147	12	13
P-148	12	15
P-149	12	35
P-150	15	329
P-151	12	28
P-152	12	20
P-153	12	30
P-154	12	22
P-155	12	18
P-156	12	19
P-157	12	29
P-158	12	17
P-159	12	19
P-160	12	41
P-161	12	40

LEGEND

- C

DRAINAGE STRUCTURE TO BE CLEANED (SEE NOTE [1])
- P-X

STORM SEWER TO BE CLEANED (SEE TABLE FOR DETAILS)

[1] CLEANING OF EXISTING DRAINAGE STRUCTURES WHICH ARE TO BE ADJUSTED SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 602.16

FILE NAME = N:\Arlington Heights\240327\Civil\DRN.240327.04.sht Default	USER NAME = mthomas	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100'	CHECKED -	REVISED -
	PLOT DATE = 11/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

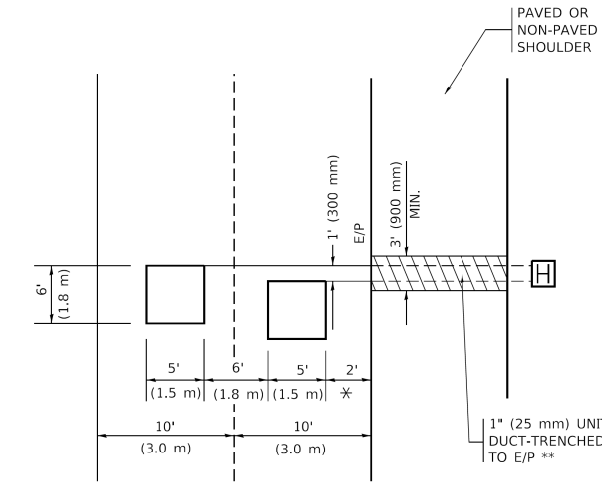
EUCLID AVENUE RESURFACING EXISTING DRAINAGE PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	34
CONTRACT NO. 61L93				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: p:\w\084EBID\NTEC Illinois.gov-PWD\DOT\Documents\IDOT Office\District 1\Projects\Dist1\22-23\CADData\CAD sheets\ts07.dgn

LOOPS NEXT TO SHOULDERS

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



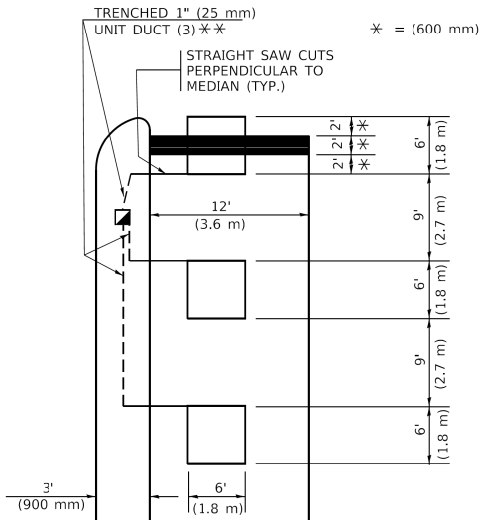
* = (600 mm)

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

LEFT TURN LANES WITH MEDIANS

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

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

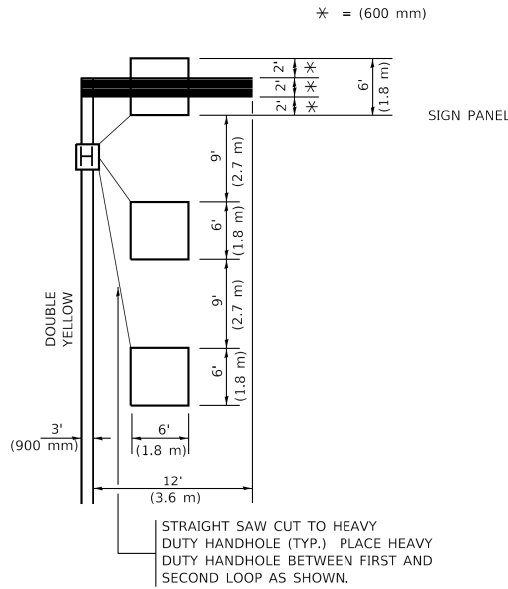


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

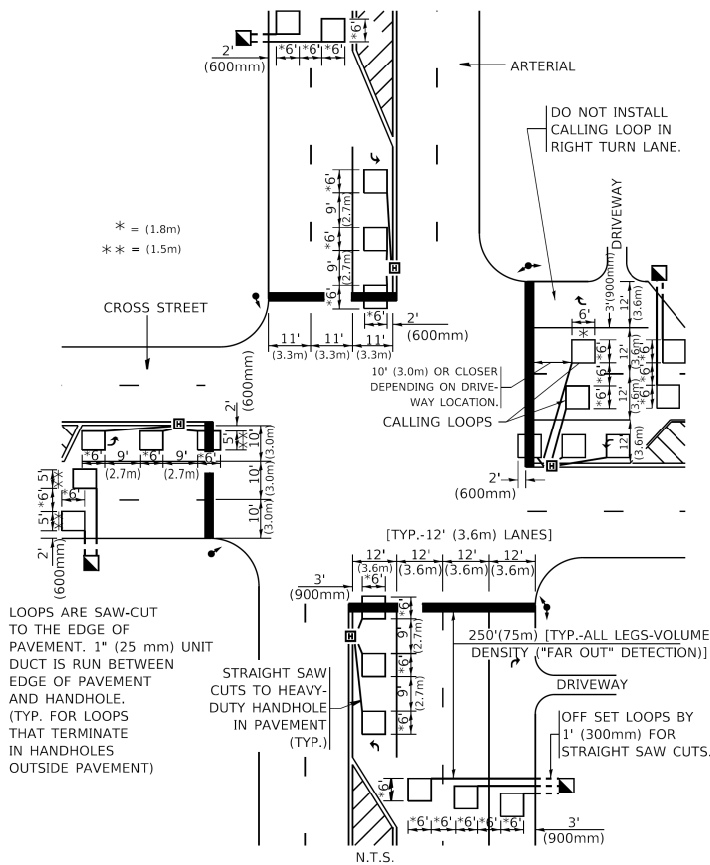
LEFT TURN LANES WITHOUT MEDIANS

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



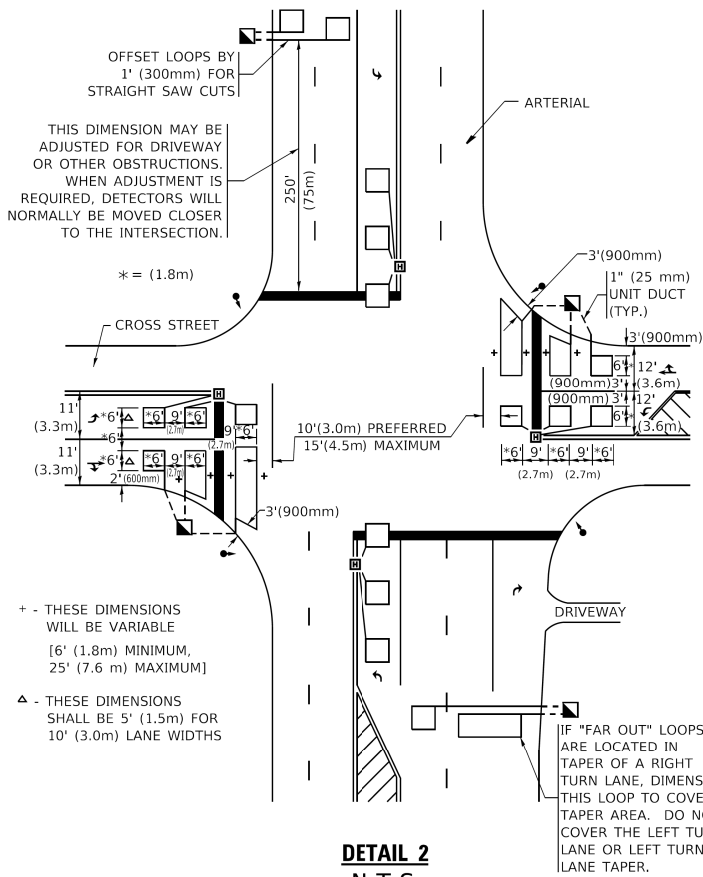
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

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

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

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

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

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

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

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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

USER NAME	= footemj
PLOT SCALE	= 50.0000 ' / in.
PLOT DATE	= 3/4/2019

DESIGNED	-
DRAWN	-
CHECKED	- R.K.F.
DATE	-

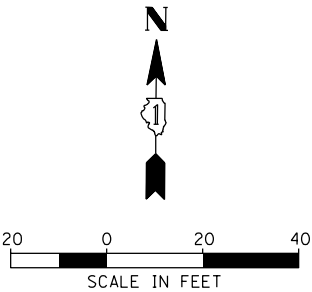
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-RS	COOK	106	36
TS-07		CONTRACT NO. 61L93		
ILLINOIS		FED. AID PROJECT		



10+00
EUCLID AVENUE

ROHLWING ROAD

RESURFACING LIMIT

(110 FT)

REBUILD EXISTING
HEAVY-DUTY HANDHOLE

EUCLID AVENUE

ROHLWING ROAD

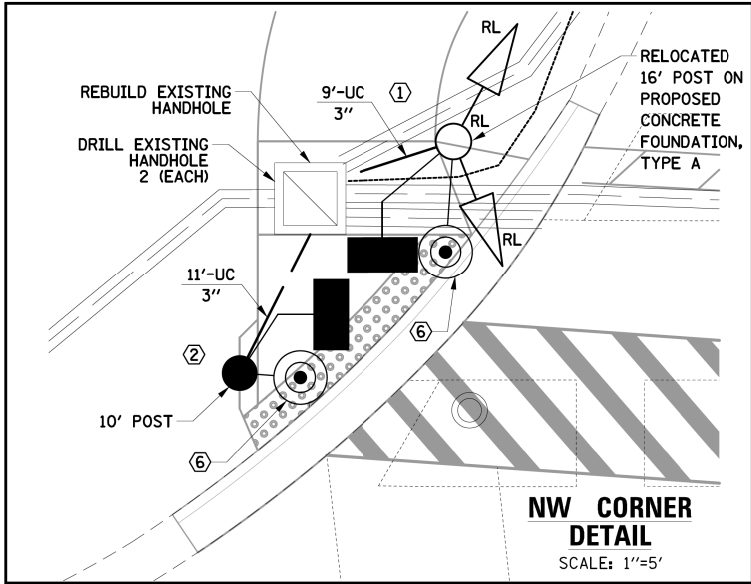
REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1	EACH
87301305	ELECTRIC CABLE IN CONDUIT, LEAD IN, NO. 14 1 PAIR	119	FOOT
88600100	DETECTOR LOOP, TYPE 1	110	FOOT
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	119	FOOT
X0324599	ROD AND CLEAN EXISTING CONDUIT	90	FOOT
X1400450	REBUILD EXISTING HEAVY-DUTY HANDHOLE	1	EACH
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	1	EACH

NOTES:

- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
- WORK SHALL MATCH THE REQUIREMENTS OF THE COOK COUNTY'S SPECIAL PROVISION, DETECTOR LOOP, TYPE 1
- THE ENTIRE EXISTING LEAD-IN CABLE FOR THE WB LEFT-TURN DETECTOR LOOPS SHALL BE REMOVED AND REPLACED WITH A NEW LEAD-IN CABLE.
- REUSE THE INDUCTIVE LOOP DETECTOR FROM THE OLD LEFT TURN LANE LOOPS FOR THE PROPOSED LEFT TURN LANE LOOPS.
- THE CONTRACTOR SHALL CONTACT THE COOK COUNTY RESIDENT ENGINEER, MEHO ABDAGIC, TO COORDINATE THE WORK BETWEEN THIS PROJECT AND CURRENT IDOT PROJECT AT THIS INTERSECTION.

FILE NAME = N:\Arlington Heights\240327\Traffic\TS01	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN EUCLID AVENUE AND ROHLWING ROAD		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Rohlwing-Loop Det.dgn	DRAWN - FPB	REVISED -				1292	23-00221-00-R5	COOK	106	37
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -				CONTRACT NO. 61L93				
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -	SCALE: 1" = 40'		SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



RELOCATED 16' POST ON PROPOSED CONCRETE FOUNDATION, TYPE A
@ STA. 9+60.25, 16.87' LT

REBUILD EXISTING HANDHOLE
DRILL EXISTING HANDHOLE (2) EACH

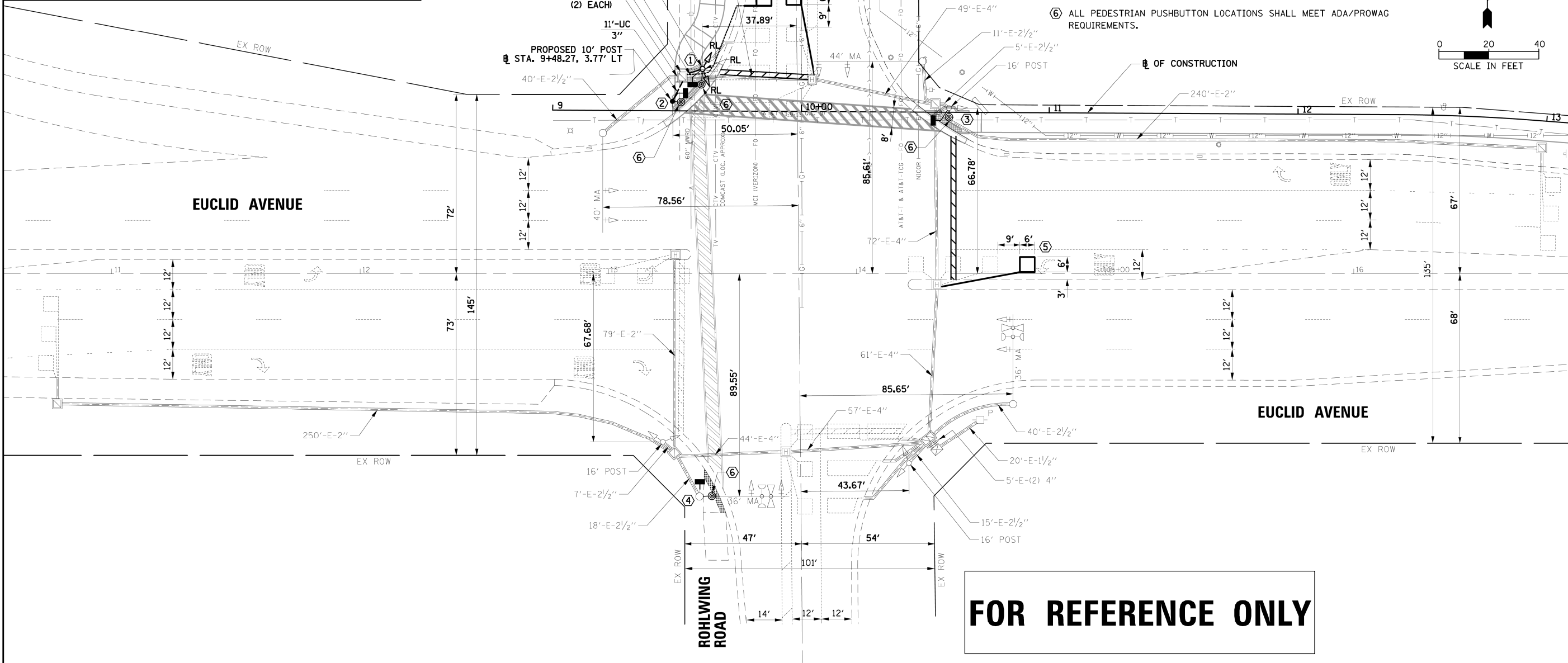
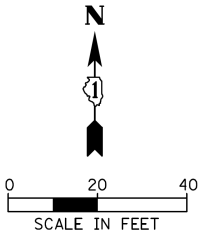
11'-UC 3"

PROPOSED 10' POST
@ STA. 9+48.27, 3.77' LT

40'-E-2 1/2"

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL RELOCATE THE EXISTING TRAFFIC SIGNAL POST ONTO A NEW CONCRETE FOUNDATION, TYPE A, AS SHOWN ON THE PLANS. THE RELOCATED SIGNAL HEADS, PEDESTRIAN SIGNAL HEAD, AND PUSH-BUTTON SHALL USE NEW SIGNAL CABLES.
- THE CONTRACTOR SHALL INSTALL A NEW 10' TRAFFIC SIGNAL POST WITH A PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON ON PROPOSED CONCRETE FOUNDATION, TYPE A.
- THE CONTRACTOR SHALL INSTALL A NEW PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON ON THE EXISTING TRAFFIC SIGNAL POST USING NEW SIGNAL CABLE.
- THE CONTRACTOR SHALL INSTALL NEW PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON UTILIZING THE EXISTING SIGNAL CABLES.
- THE CONTRACTOR SHALL INSTALL NEW DETECTOR LOOP, TYPE 1 AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE, BREAK THE EXISTING LEAD-IN CABLE SPLICE, AND RESPLICE THE PROPOSED DETECTOR LOOPS TO THE EXISTING LEAD-IN CABLE. ALL SPLICE WORK COSTS SHALL BE INCLUDED IN THE PAY ITEM: DETECTOR LOOP, TYPE 1.
- ALL PEDESTRIAN PUSHBUTTON LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS.



FOR REFERENCE ONLY

FILE NAME =	USER NAME = nhowellindgren	DESIGNED - EAJ	REVISED -
N:\ROLLINGMEADOWS\980361.BR\BRI00's\980361BRI07A\Traffic\Rohlwing-MOD-BRI07A.dgn		DRAWN - FPB	REVISED -
Default	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 8/20/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
EUCLID AVENUE AND ROHLWING ROAD
ROLLING MEADOWS, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	15-00115-00-BT	COOK	57	35
CONTRACT NO. 61E78				
ILLINOIS FED. AID PROJECT				

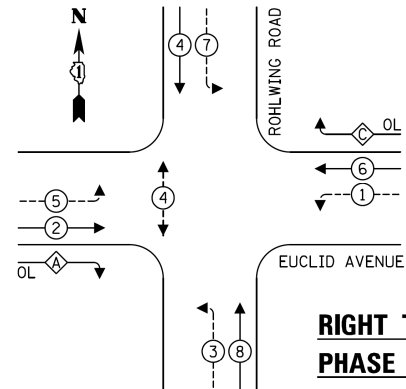
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Default	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 11/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

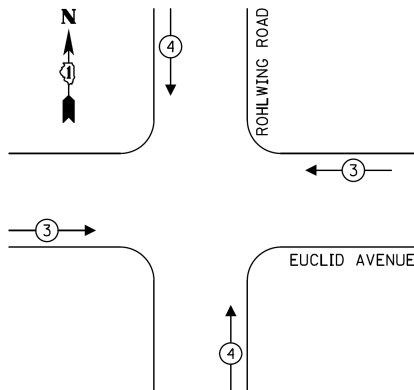
TRAFFIC SIGNAL MODIFICATION PLAN
EUCLID AVENUE AND ROHLWING ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	38
CONTRACT NO. 61L93				
ILLINOIS FED. AID PROJECT				

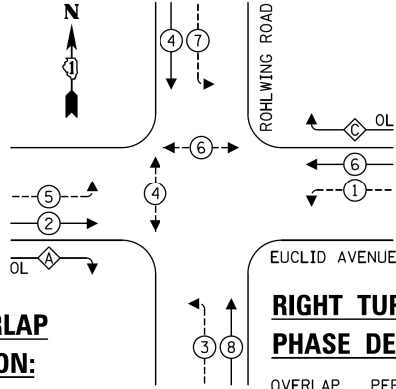
EXISTING CONTROLLER SEQUENCE

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7

EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE

PROPOSED CONTROLLER SEQUENCE

RIGHT TURN OVERLAP
PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7

LEGEND:

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

EUCLID AVENUE

ROHLWING ROAD

EUCLID AVENUE

EUCLID AVENUE

FOR REFERENCE ONLY

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	20
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	798
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	819
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	313
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	313
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	51
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
DETECTOR LOOP, TYPE I	FOOT	138
PEDESTRIAN PUSH-BUTTON	EACH	4
RELOCATE EXISTING SIGNAL HEAD	EACH	2
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1263
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
SIGNAL TIMING	L SUM	0.5

CABLE PLAN

(NOT TO SCALE)

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL RELOCATE THE EXISTING TRAFFIC SIGNAL POST ONTO A NEW CONCRETE FOUNDATION, TYPE A, AS SHOWN ON THE PLANS. THE RELOCATED SIGNAL HEADS, PEDESTRIAN SIGNAL HEAD, AND PUSH-BUTTON SHALL USE NEW SIGNAL CABLES.
- THE CONTRACTOR SHALL INSTALL A NEW 10' TRAFFIC SIGNAL POST WITH A PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON ON PROPOSED CONCRETE FOUNDATION, TYPE A.
- THE CONTRACTOR SHALL INSTALL A NEW PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON ON THE EXISTING TRAFFIC SIGNAL POST USING NEW SIGNAL CABLE.
- THE CONTRACTOR SHALL INSTALL NEW PEDESTRIAN SIGNAL HEAD AND PUSHBUTTON UTILIZING THE EXISTING SIGNAL CABLES.
- THE CONTRACTOR SHALL INSTALL NEW DETECTOR LOOP, TYPE 1 AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE, BREAK THE EXISTING LEAD-IN CABLE SPLICE, AND RESPLICE THE PROPOSED DETECTOR LOOPS TO THE EXISTING LEAD-IN CABLE. ALL SPLICE WORK COSTS SHALL BE INCLUDED IN THE PAY ITEM: DETECTOR LOOP, TYPE 1.
- ALL PEDESTRIAN PUSHBUTTON LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS.

LOCATION: EUCLID AVENUE AND ROHLWING ROAD COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100	1.00	100.00
VEHICLE DET.	8	5	1.00	40.00
PED. SIGNAL	4	25	1.00	100.00
12" SIGNAL (RED)	16	17	0.50	136.00
(YELLOW)	16	25	0.05	20.00
(GREEN)	16	15	0.45	108.00
(ARROW)	12	12	0.10	14.40
TOTAL =				518.40
ENERGY COST TO:		ENERGY COST SHARE:		
COOK COUNTY BUREAU OF ADMINISTRATION		COOK COUNTY: 50%		
118 N. CLARK STREET, ROOM 801				
CHICAGO, IL 60602				
TOWER ACCOUNT NO. 2207140021				
SUPPLIMENT NO. NC150378				
Village of Rolling Meadows		ROLLING MEADOWS: 50%		
3900 Bernick Street				
Rolling Meadows, IL 60008				
ENERGY SUPPLY CONTAINER		EFFECTIVE DATE:		
ComEd		TO BE DETERMINED		
PHONE: (866) 639-3532				
COMPANY: ComEd				
FILE NAME =	USER NAME = nhowellindgren	DESIGNED - EAJ	REVISED -	
N:\ROLLINGMEADOWS\980361.BR\BRI00\980361BRI07A\Traffic\Rolling-CAB-BRI07A.dgn		DRAWN - FPB	REVISED -	
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -	
Default	PLOT DATE = 8/20/2018	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATIONCABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
EUCLID AVENUE AND ROHLWING ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	15-00115-00-BT	COOK	57	36
CONTRACT NO. 61E78				

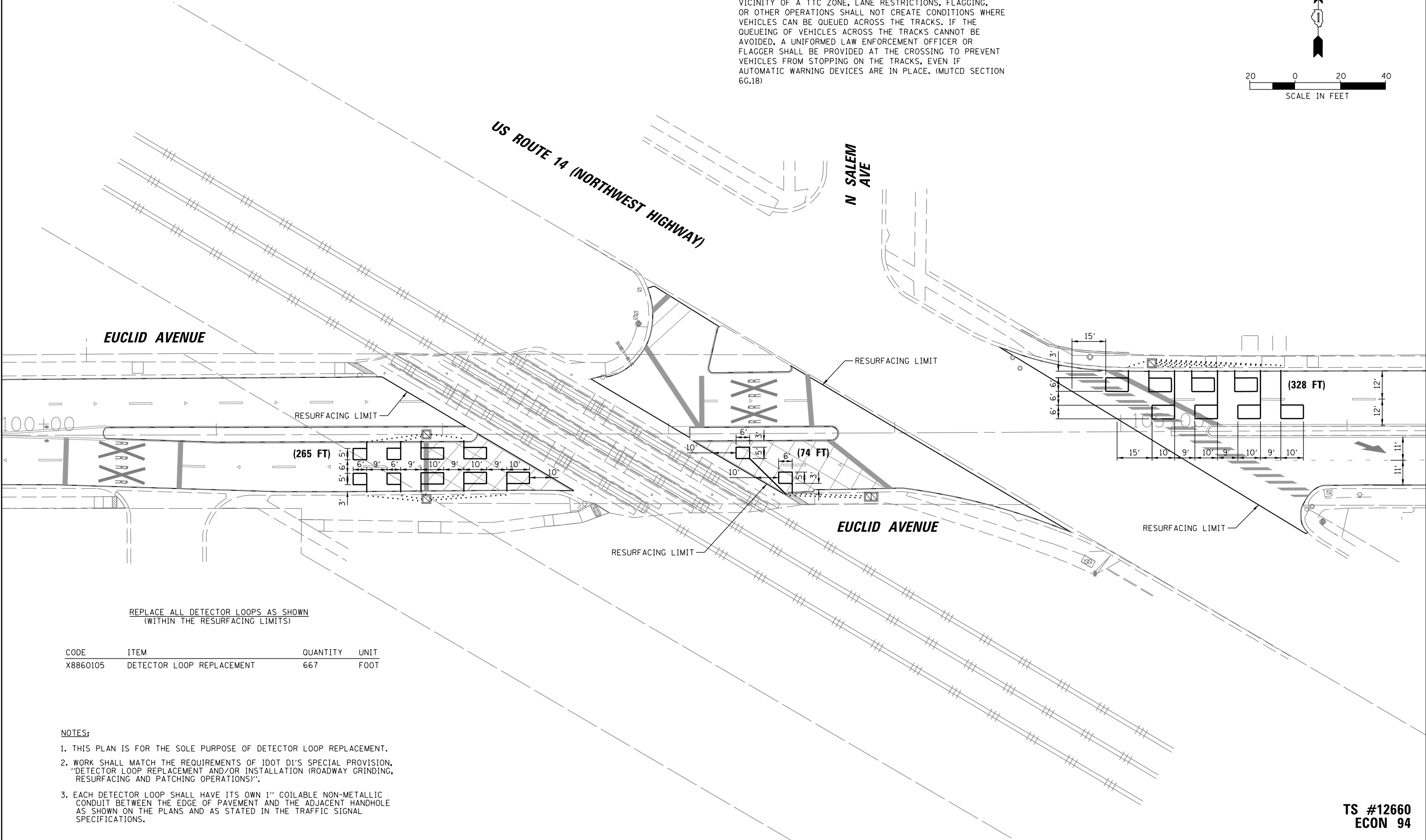
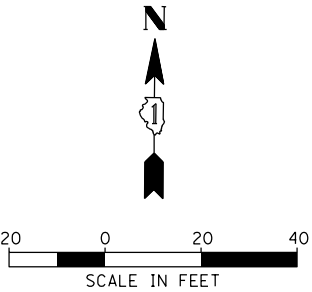
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATIONCABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
EUCLID AVENUE AND ROHLWING ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	39
CONTRACT NO. 61L93				

ILLINOIS FED. AID PROJECT

NOTE:

WHEN GRADE CROSSINGS EXIST EITHER WITHIN OR IN THE VICINITY OF A TTC ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT CREATE CONDITIONS WHERE VEHICLES CAN BE QUEUED ACROSS THE TRACKS. IF THE QUEUEING OF VEHICLES ACROSS THE TRACKS CANNOT BE AVOIDED, A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER SHALL BE PROVIDED AT THE CROSSING TO PREVENT VEHICLES FROM STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE. (MUTCD SECTION 6G.18)



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

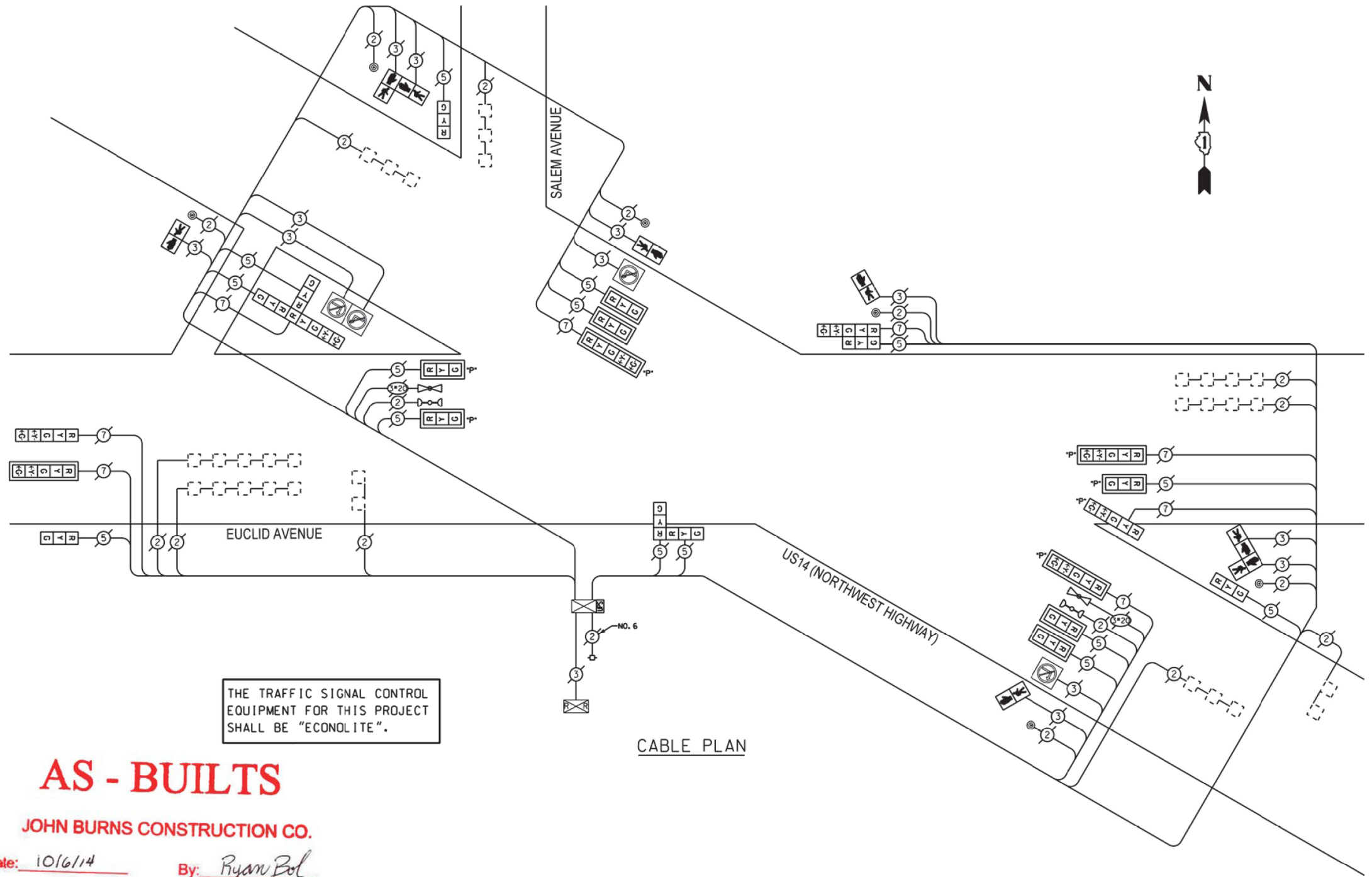
CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	667	FOOT

NOTES:

- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
- WORK SHALL MATCH THE REQUIREMENTS OF IDOT D1'S SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS)".
- 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 #12660
ECON 94

FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN EUCLID AVENUE AND US ROUTE 14 (NORTHWEST HIGHWAY)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Traffic\TS03- Default	US14-Loop Det.dgn	DRAWN - FPB	REVISED -					1292	23-00221-00-R5	COOK	106	40
	PLOT SCALE = 40"	CHECKED - EAJ	REVISED -		CONTRACT NO. 61L93							
	PLOT DATE = 12/4/2025	DATE -	REVISED -		SCALE: 1" = 40'		SHEET	OF	SHEETS	STA.	TO STA.	
					ILLINOIS FED. AID PROJECT							



AS - BUILTS

JOHN BURNS CONSTRUCTION CO.

Date: 10/6/14

By: Ryan Bol

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	INCAND	LED	% OPERATIONS	
SIGNAL (RED)	23	17	0.50		195.50
(YELLOW)	23	25	0.25		143.75
(GREEN)	23	15	0.25		86.25
ARROW	16	12	0.10		19.20
PED. SIGNAL	8	25	1.00		200.00
CONTROLLER	1	100	1.00		100.00
ILLUM. SIGN	4	25	0.05		5.00
LUMINAIRE		250	0.50		
VIDEO SYSTEM		150	1.00		
FLASHER			0.50		
ENERGY COSTS TO:					TOTAL = 749.70
VILLAGE OF ARLINGTON HEIGHTS 33 SOUTH ARLINGTON HEIGHTS ROAD ARLINGTON HEIGHTS, ILLINOIS 60005					
ENERGY SUPPLY - CONTACT: DAVE SCHACHT PHONE: (630) 437-2129 COMPANY: COMED					

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

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

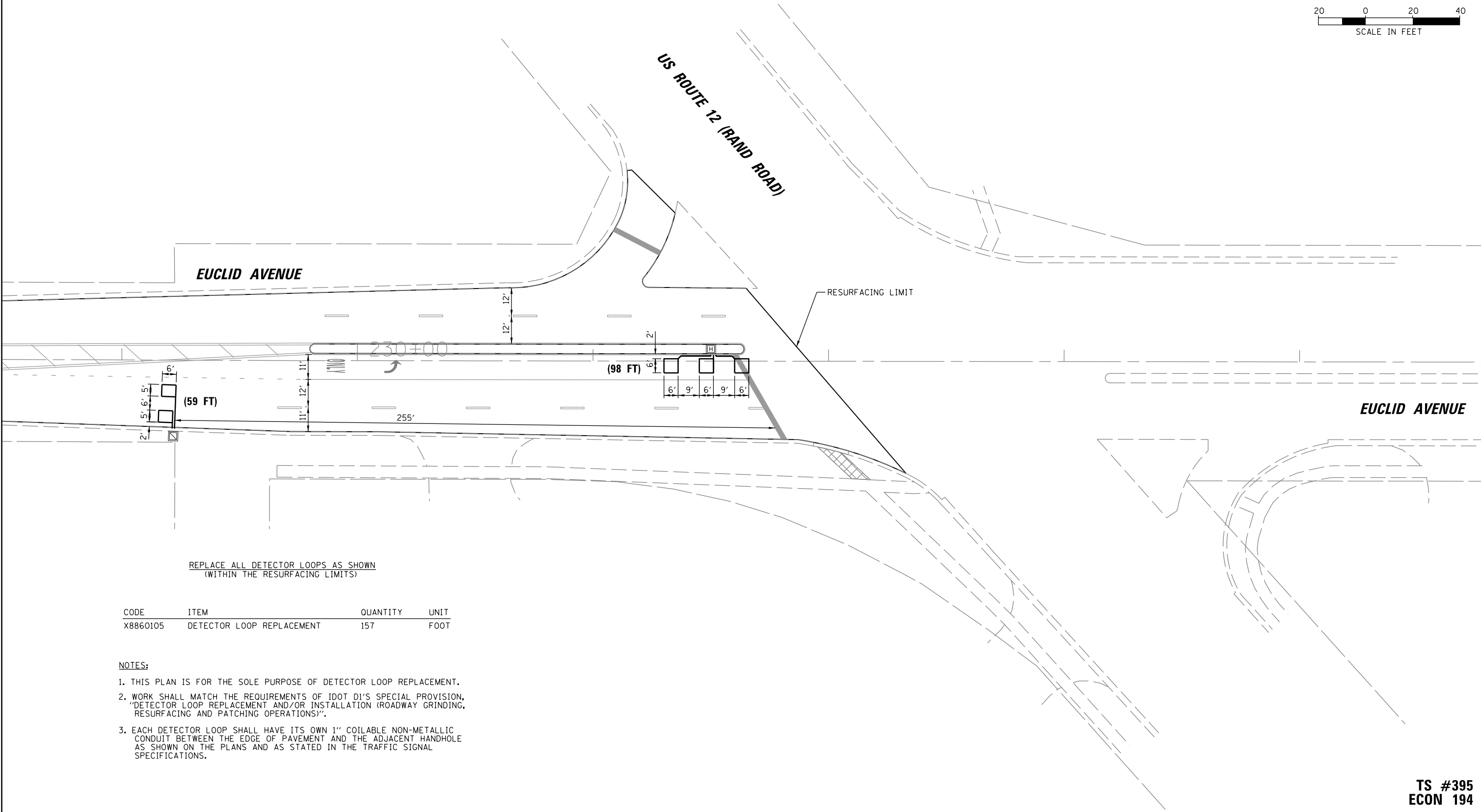
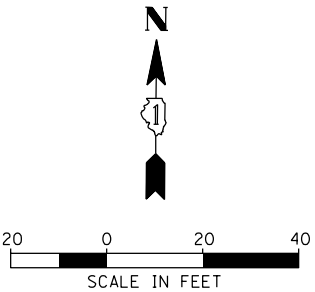
QUANTITY	UNIT	DESCRIPTION
6	EACH	PEDESTRIAN PUSHBUTTON

SCHEDULE OF QUANTITIES

QUAN.	UNIT	ITEM
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
6	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

FOR REFERENCE ONLY

FILE NAME =		USER NAME = mthomas		DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE EUCLID AVENUE AND US ROUTE 14 (NORTHWEST HIGHWAY)		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Traffic\TS01b_US14.CAB Ref only.dgn		PLOT SCALE = 48"		DRAWN - FPB	REVISED -					1292	23-00221-00-R5	COOK	106	42
Default		PLOT DATE = 11/5/2025		CHECKED - EAJ	REVISED -					CONTRACT NO. 61L93				
				DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
								SCALE: N.T.S.		SHEET	OF	SHEETS	STA.	TO STA.



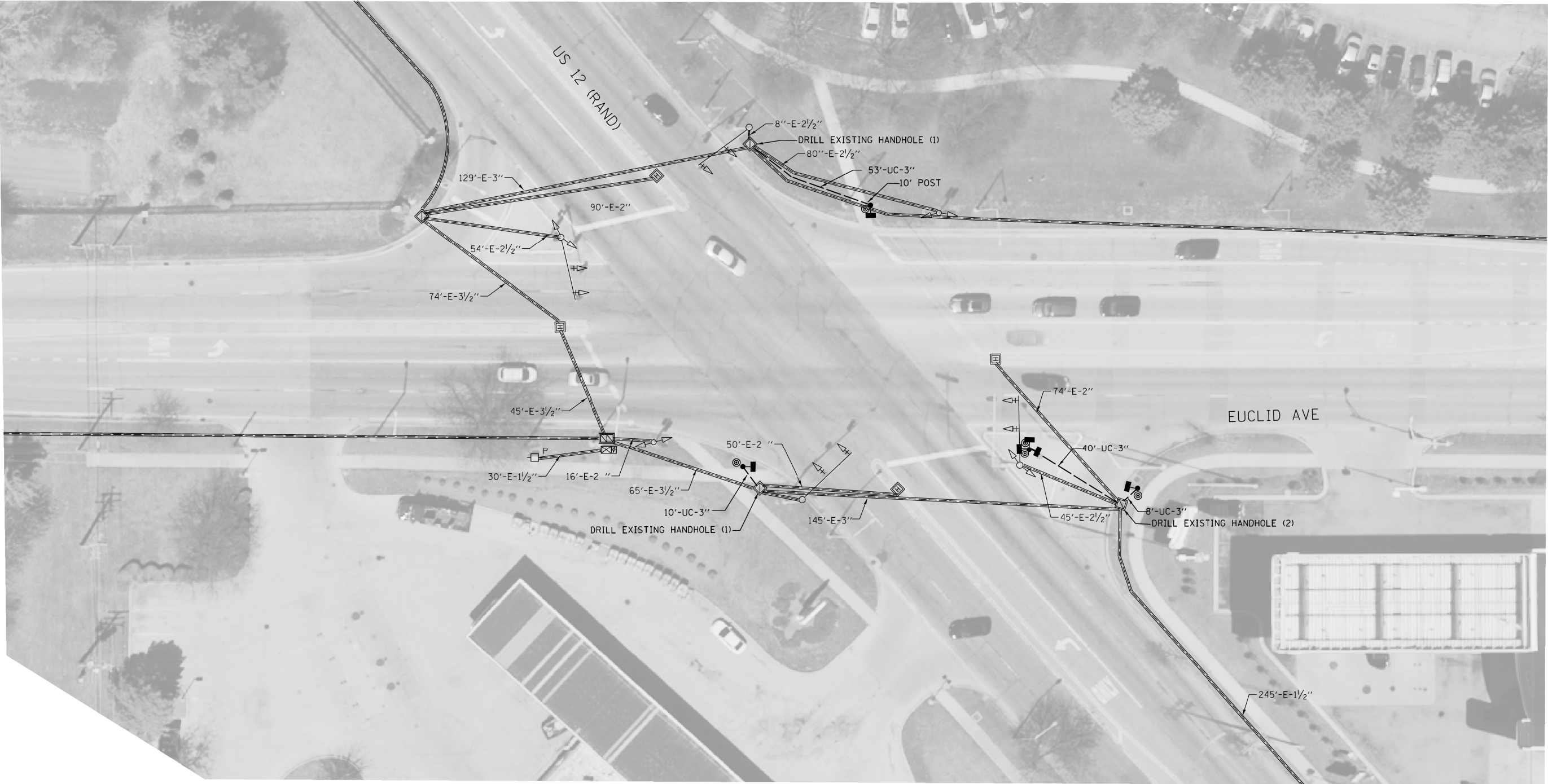
REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	157	FOOT

- NOTES:
- THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
 - WORK SHALL MATCH THE REQUIREMENTS OF IDOT D1'S SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS)".
 - 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 #395
ECON 194

FILE NAME = N:\Arlington Heights\240327\Traffic\TS08	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN EUCLID AVENUE AND US ROUTE 12 (RAND ROAD)		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	US12.Loop Det.dgn	DRAWN - FPB	REVISED -				1292	23-00221-00-R5	COOK	106	43
	PLOT SCALE = 40"	CHECKED - EAJ	REVISED -				CONTRACT NO. 61L93				
Default	PLOT DATE = 11/19/2025	DATE -	REVISED -	SCALE: 1" = 40'		SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



FOR REFERENCE ONLY

TS# 395
ARLINGTON HEIGHTS

FILE NAME =	USER NAME = pocsechal	DESIGNED - JC	REVISED -
pwt\IL084E810INTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\DI02317-Traffic\02317-shr-ts3.dgn		CHECKED - LP / ZJ	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE - 03/24/2017	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION US 12 (RAND RD) AT EUCLID AVE
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	44
CONTRACT NO. 61L93				

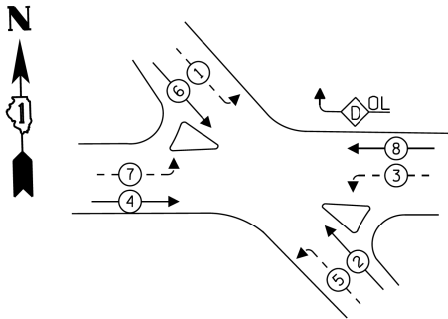
FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -
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Default	PLOT SCALE = 40'	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

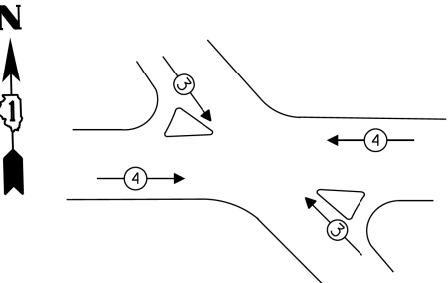
TRAFFIC SIGNAL MODERNIZATION EUCLID AVENUE AND US ROUTE 12 (RAND ROAD)
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	44
CONTRACT NO. 61L93				

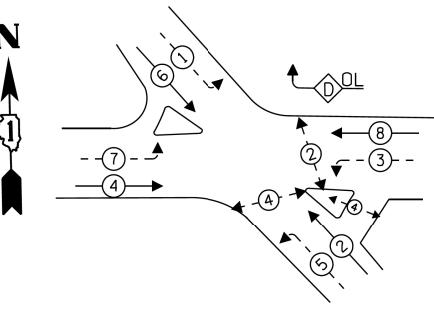
EXISTING CONTROLLER SEQUENCE



EMERGENCY VEHICLE
PREEMPTION SEQUENCE



PROPOSED CONTROLLER SEQUENCE

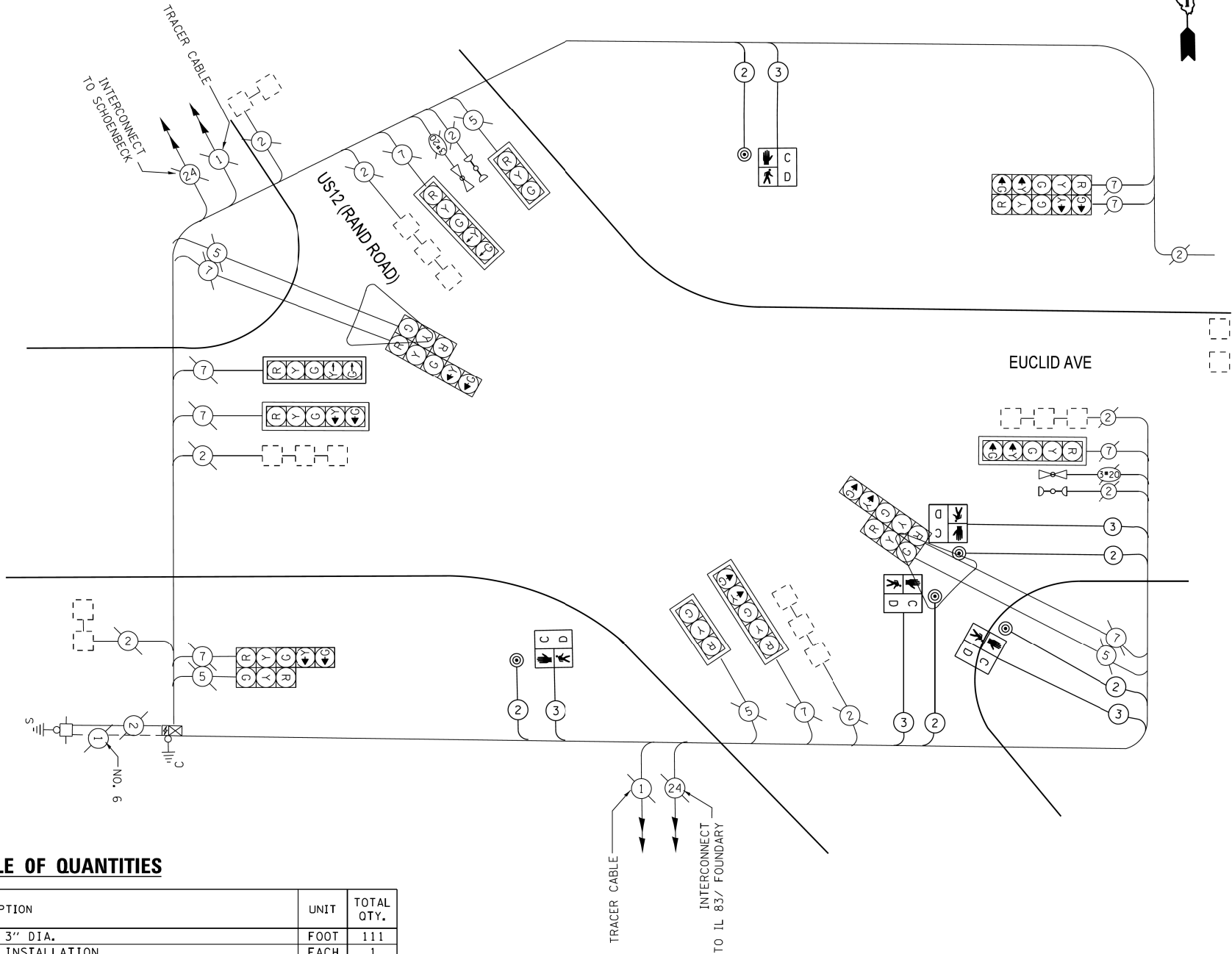


PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
0	=	8 + 1

LEGEND:

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



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	111
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1340
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1680
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	157
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4
CONCRETE FOUNDATION, TYPE A	FOOT	16
DRILL EXISTING HANDHOLE	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
PEDESTRIAN PUSH-BUTTON	EACH	5
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

FOR REFERENCE ONLY

TS# 395
ARLINGTON HEIGHTS

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	15	11	50	82.5
(YELLOW)	15	20	5	15
(GREEN)	15	12	45	81
PERMISSIVE ARROW	18	10	10	18
PED. SIGNAL	5	20	100	100
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				421.5
ENERGY COSTS TO: VILLAGE OF ARLINGTON HEIGHTS 33 SOUTH ARLINGTON HEIGHTS ROAD ARLINGTON HEIGHTS, ILLINOIS 60005 ENERGY SUPPLY: CONTACT: DAVE SCHACHT PHONE: 630-437-2129 COMPANY: COMMONWEALTH EDISON ACCOUNT NUMBER: ---				
FILE NAME =	USER NAME = pccsichal	DESIGNED - JC	REVISED -	
p:\Ar\IL084E810INTEG\Illinois.gov\PI\DOT\Documents\DOT\Offices\District 1\Projects\DI02317-sht-ts3.dgn		CHECKED - LP / ZJ	REVISED -	
Default	PLOT SCALE = 40.0000' / in.	DATE - 03/24/2017	REVISED -	
	PLOT DATE = 3/23/2017			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE US 12 (RAND RD) AT EUCLID AVE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	45
CONTRACT NO. 61L93				
ILLINOIS FED. AID PROJECT				

FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -
N:\Arlington Heights\240327\Traffic\TS084E810INTEG\Illinois.gov\PI\DOT\Documents\DOT\Offices\District 1\Projects\DI02317-sht-ts3.dgn		DRAWN - FPB	REVISED -
Default	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
	PLOT DATE = 11/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE EUCLID AVENUE AND US ROUTE 12 (RAND ROAD)			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	45
CONTRACT NO. 61L93				
ILLINOIS FED. AID PROJECT				

(NOT TO SCALE)

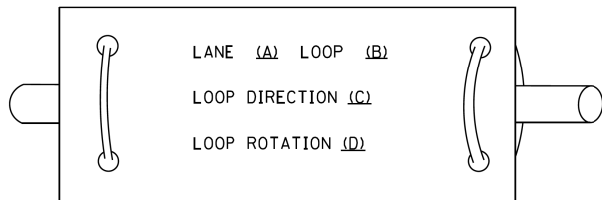
ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE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

	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN	REVISED									
	PLOT SCALE	CHECKED	REVISED		SCALE: NONE	SHEET 1	OF 7 SHEETS	STA.	TO STA.	CONTRACT NO. 61L93		
	PLOT DATE	DATE	REVISED					ILLINOIS FED. AID PROJECT				

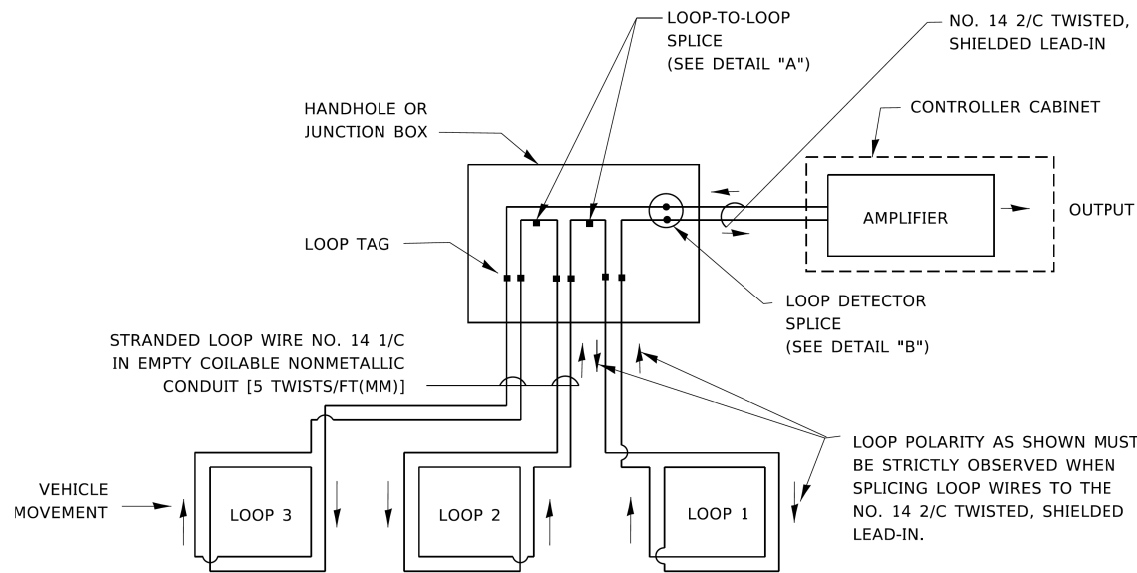
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

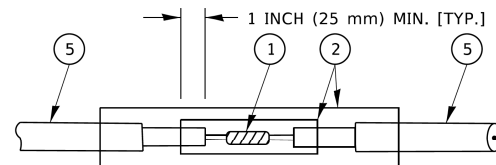


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

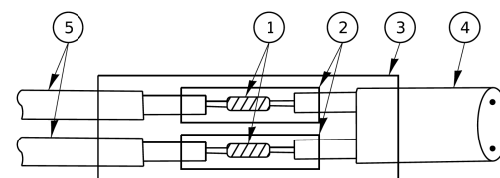


DETECTOR LOOP WIRING SCHEMATIC

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

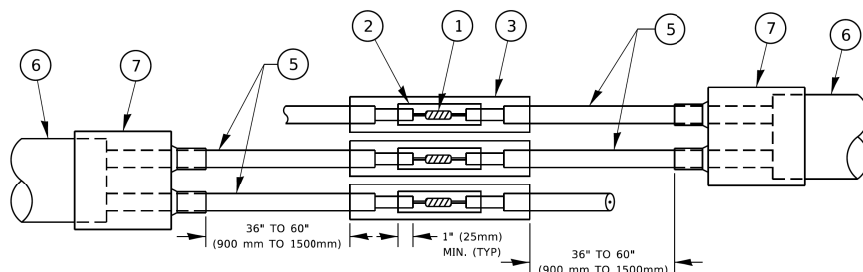


DETAIL "A"
LOOP-TO-LOOP SPLICE

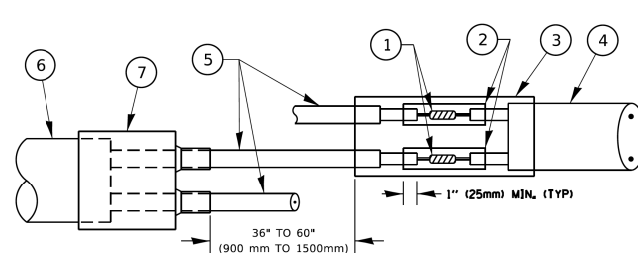


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"

LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

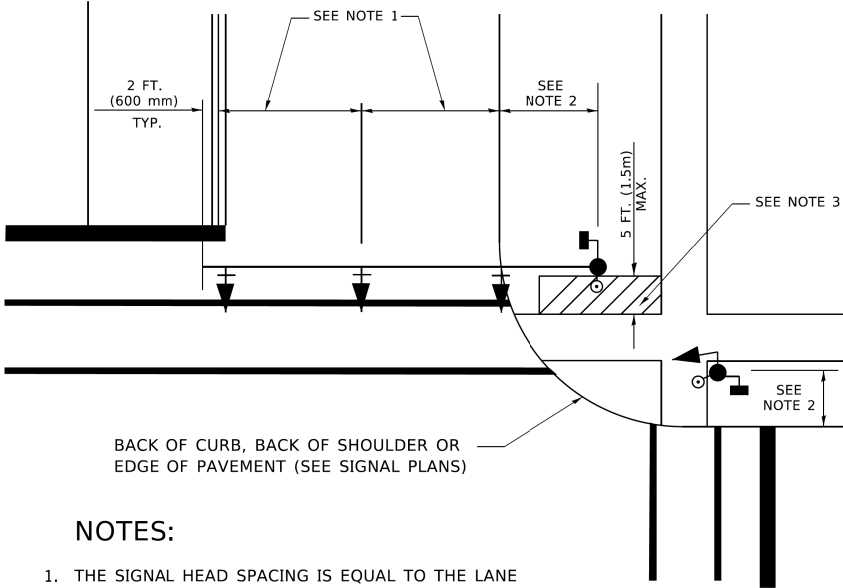
LOOP DETECTOR SPLICE

- | | |
|---|--|
| <p>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.</p> <p>② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.</p> <p>③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.</p> <p>④ NO. 14 2/C TWISTED, SHIELDED CABLE.</p> | <p>⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP</p> <p>⑥ XL POLYOLEFIN 2 CONDUCTOR</p> <p>⑦ BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL</p> |
|---|--|

	USER NAME = footernj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1292	23-00221-00-RS	COOK	106	47
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -		TS-05			CONTRACT NO. 61L93				
	PLOT DATE = 3/4/2019	DATE -	REVISED -		SCALE: NONE	SHEET 2 OF 7 SHEETS	STA. TO STA.					

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

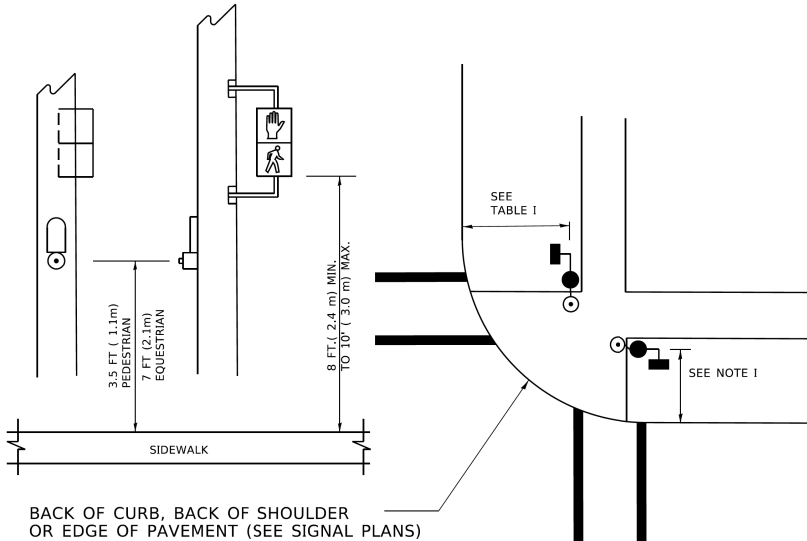
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

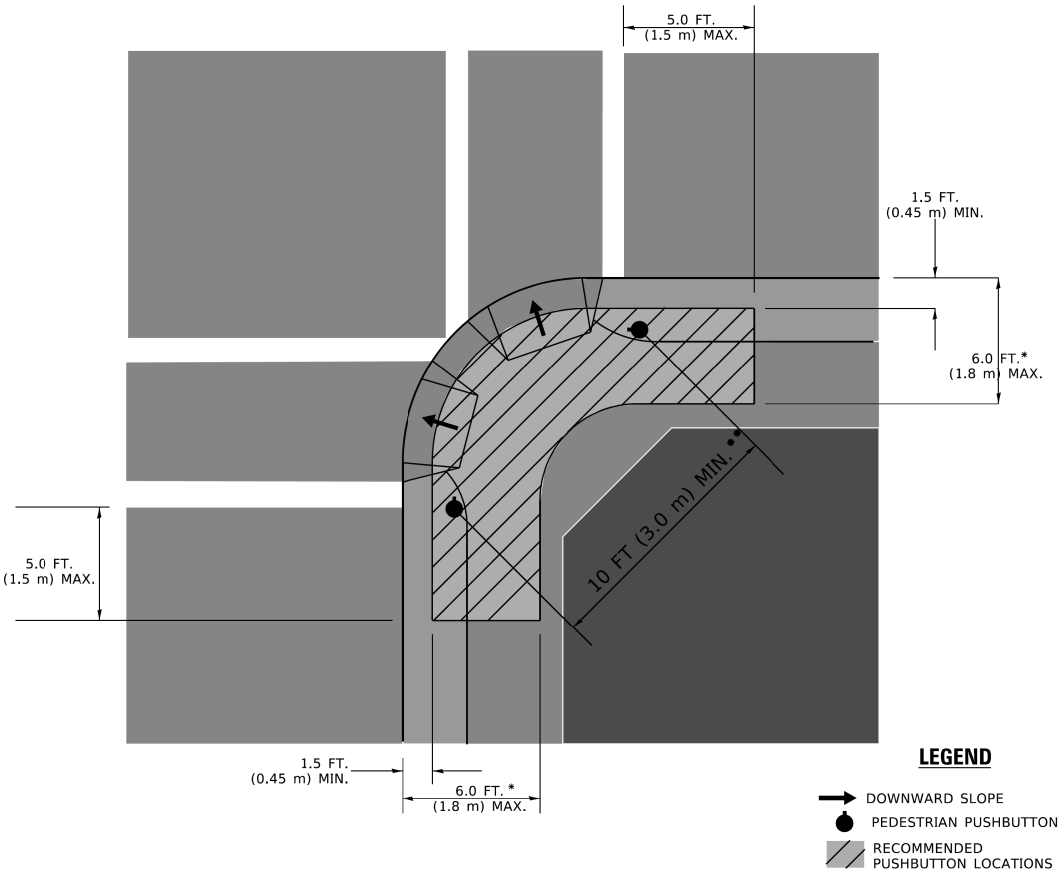
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- 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.

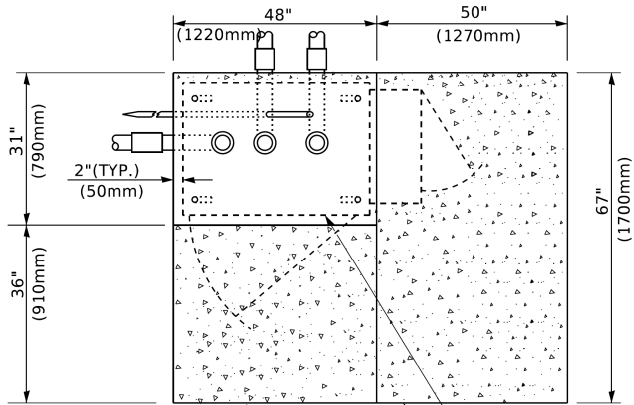
TRAFFIC SIGNAL EQUIPMENT OFFSET

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.

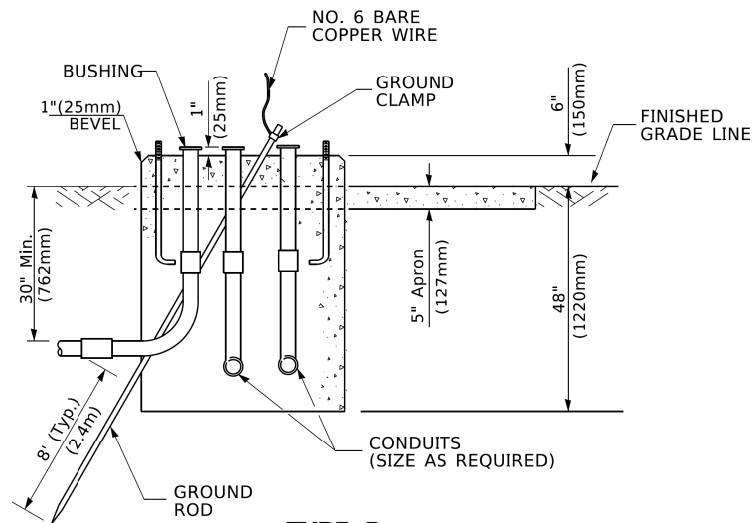
NOTES:

- 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.

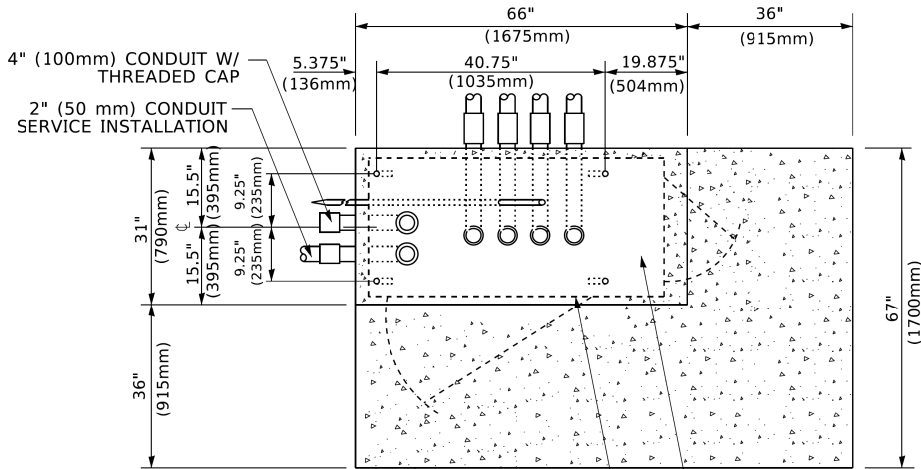
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-RS	COOK	106	49
TS-05		CONTRACT NO. 61L93		
ILLINOIS		FED. AID PROJECT		



TOP VIEW



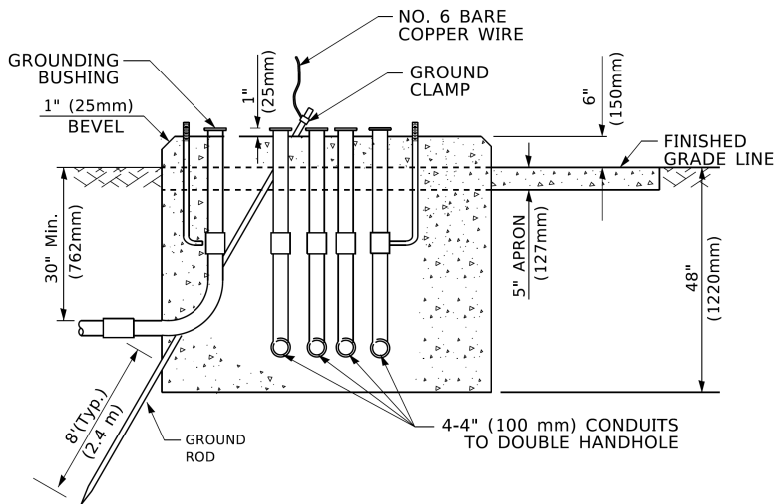
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



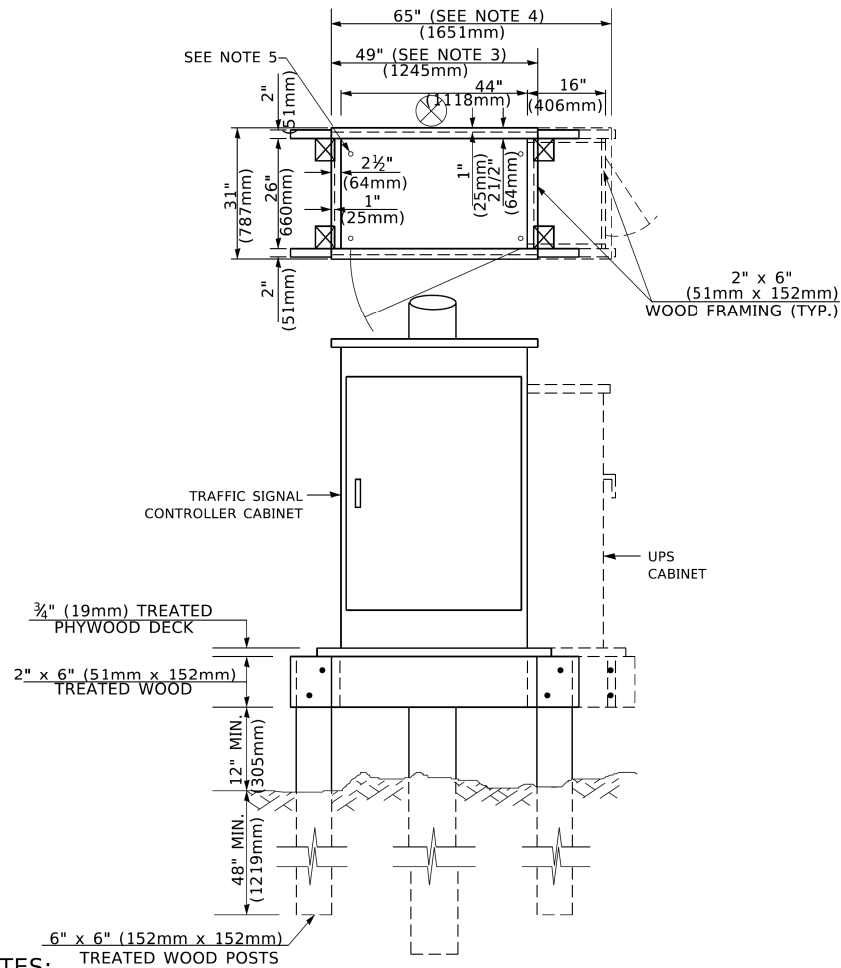
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL
BE HIGHER THAN TOP OF
DOUBLE HANDHOLE



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



NOTES:

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

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

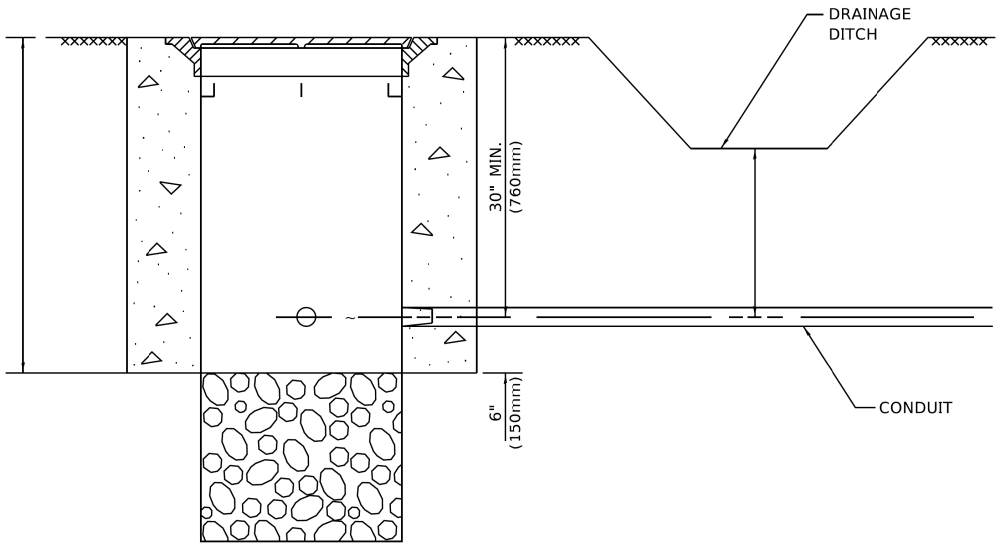
MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 56' (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

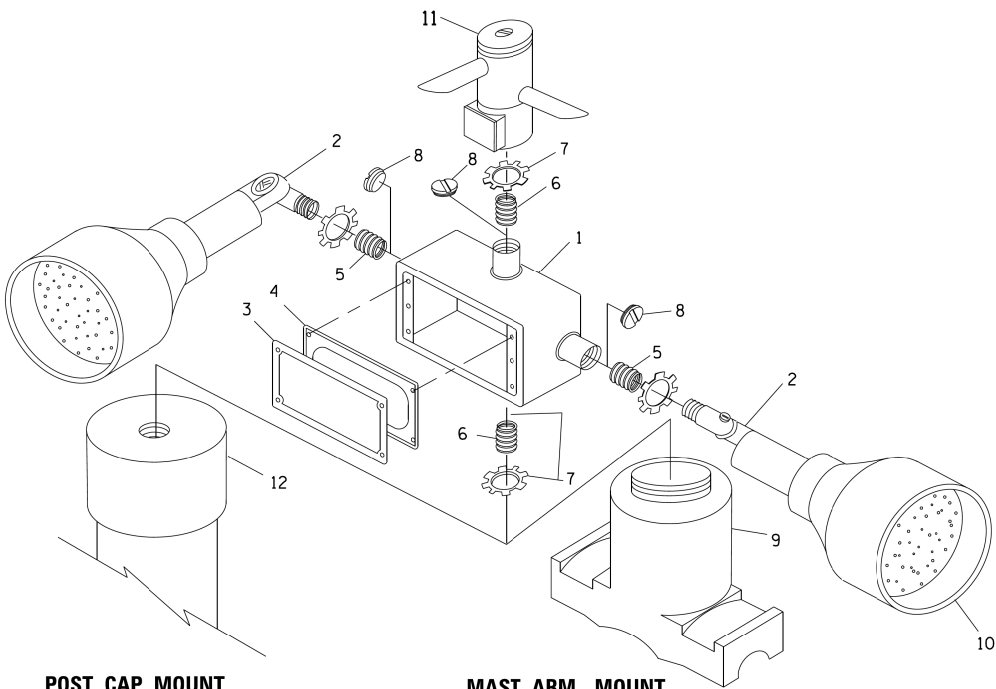
	USER NAME = footemj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			1292	23-00221-00-RS	COOK	106	50
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -			TS-05		CONTRACT NO. 61L93		
	PLOT DATE = 3/4/2019	DATE -	REVISED -			SCALE: NONE	SHEET 5 OF 7 SHEETS	STA. TO STA.	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.

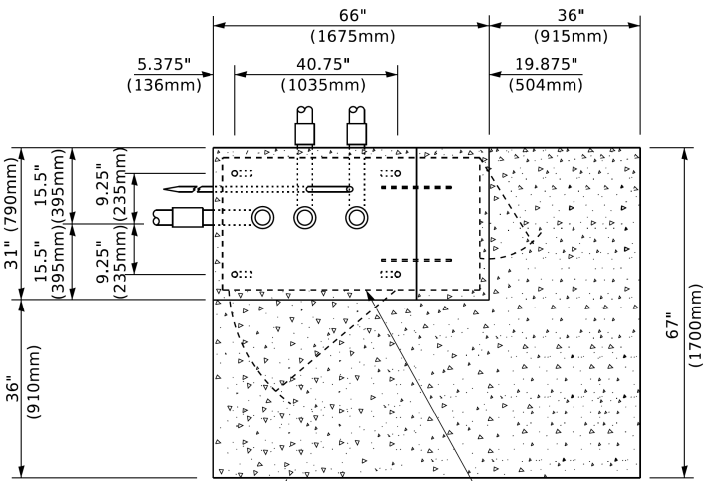
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



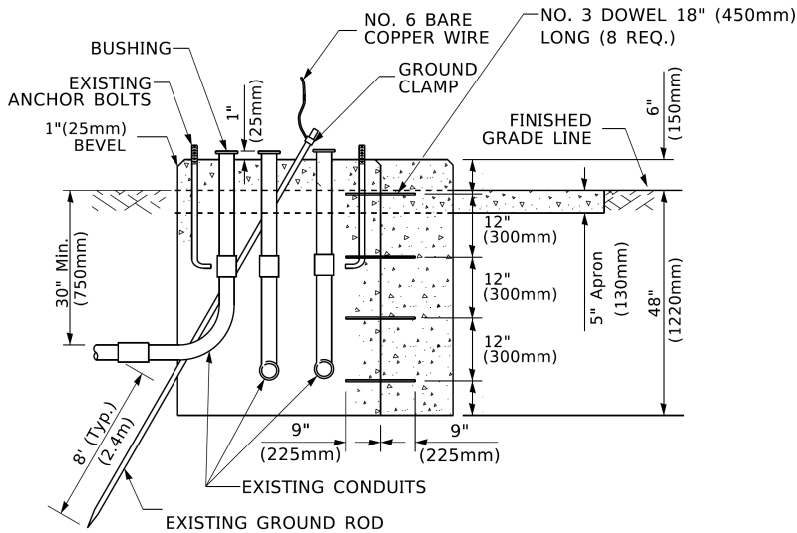
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION
BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)



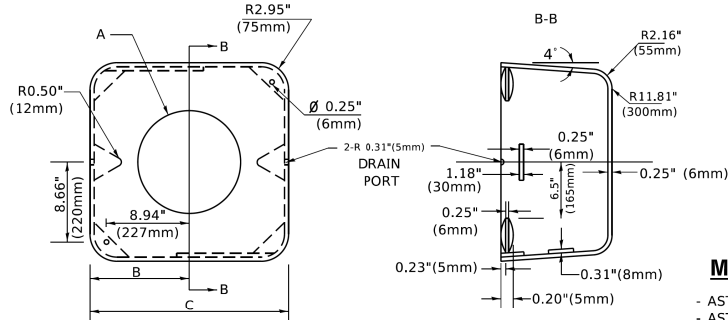
MODIFY EXISTING TYPE "D" FOUNDATION
TO TYPE "C" FOUNDATION

(NOT TO SCALE)

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

NOTES:

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.



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)

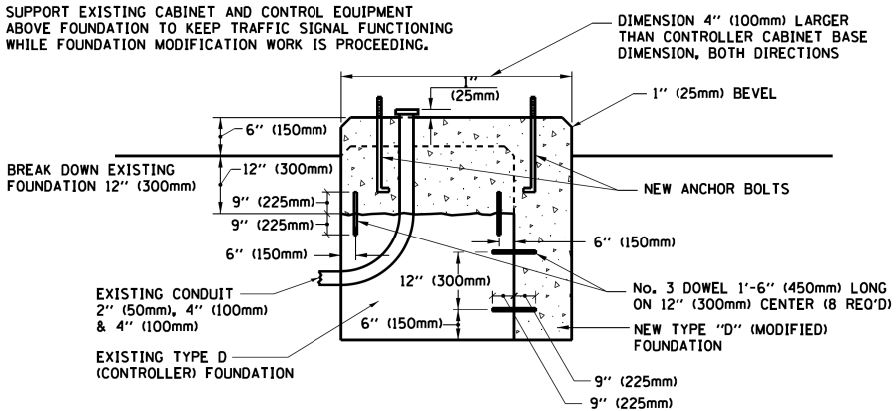
SHROUD

NOTES:

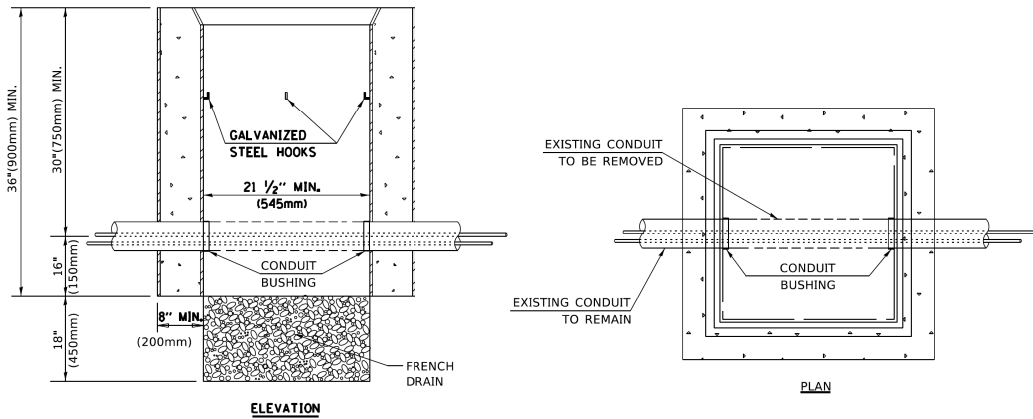
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

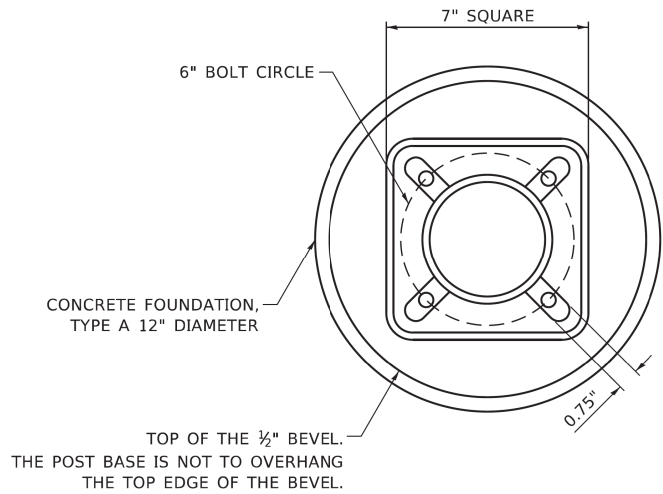


NOTES:

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.

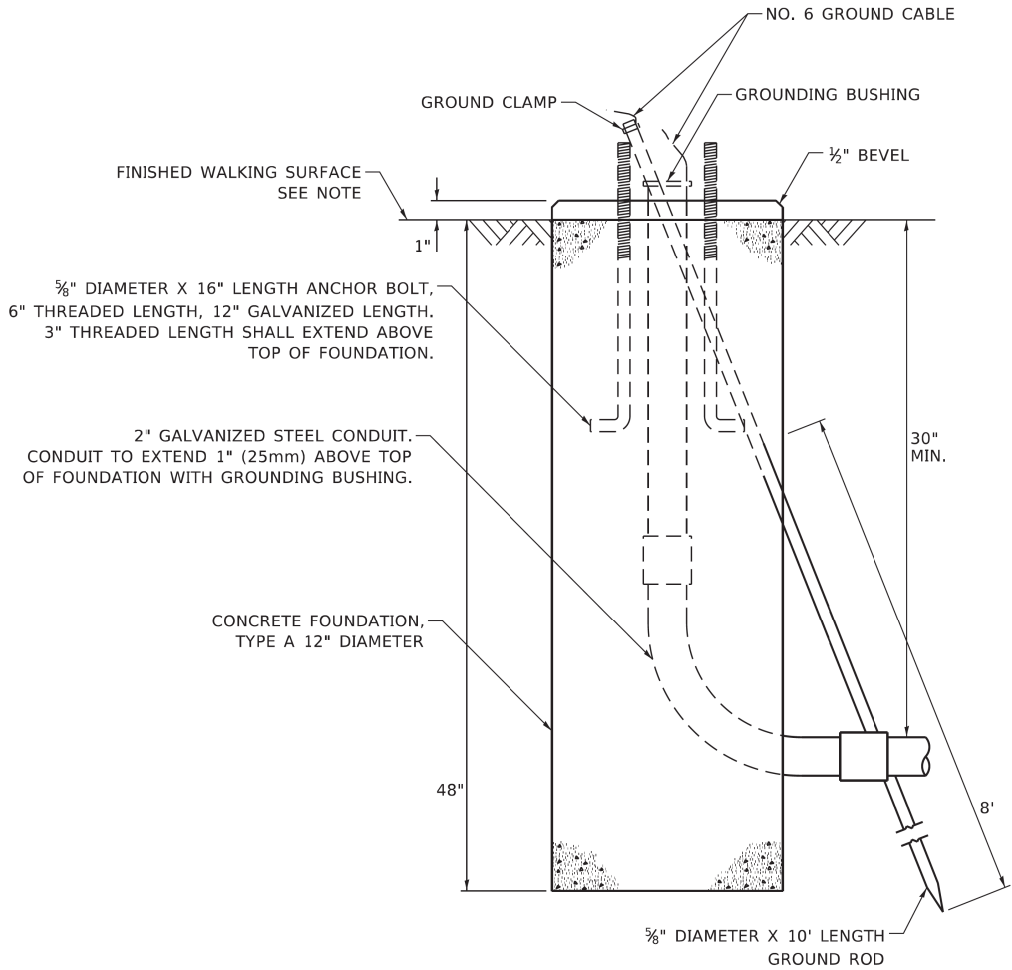
HANDHOLE TO INTERCEPT EXISTING CONDUIT

	USER NAME = footerj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						1292	23-00221-00-RS	COOK	106	51
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -		TS-05		CONTRACT NO. 61L93						
	PLOT DATE = 3/4/2019	DATE -	REVISED -		SCALE: NONE	SHEET 6 OF 7 SHEETS				STA. TO STA.	ILLINOIS FED. AID PROJECT		

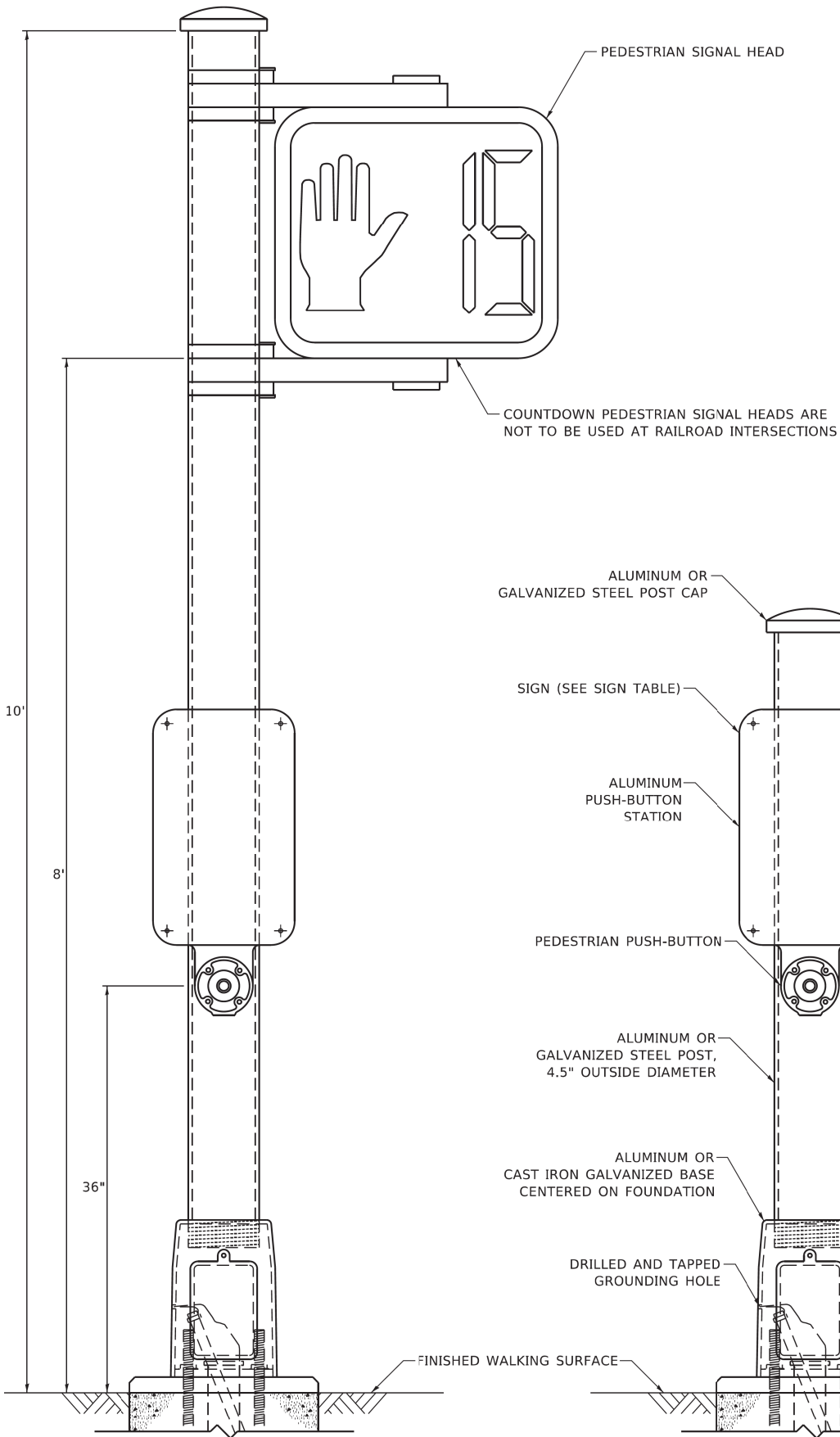


BOLT PATTERN

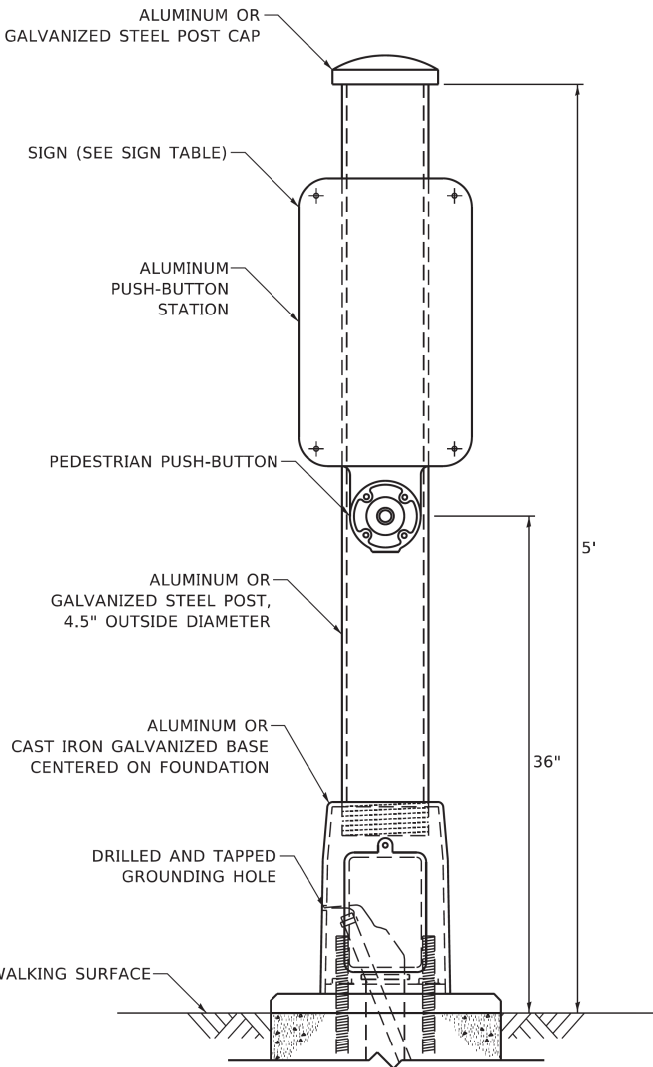
NOTE:
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



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



PEDESTRIAN SIGNAL POST, 10 FT.



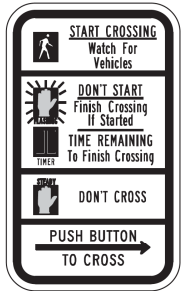
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d

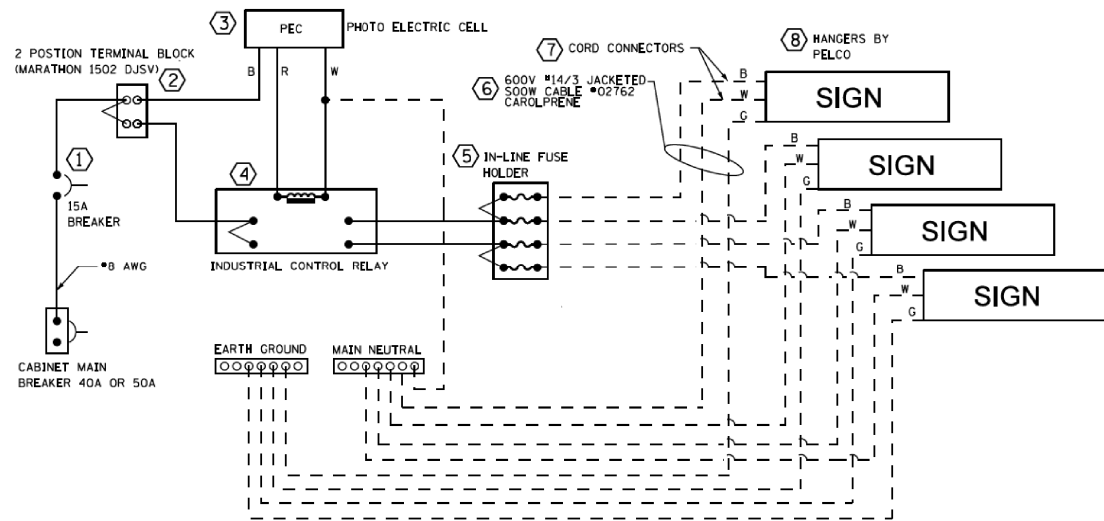


R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

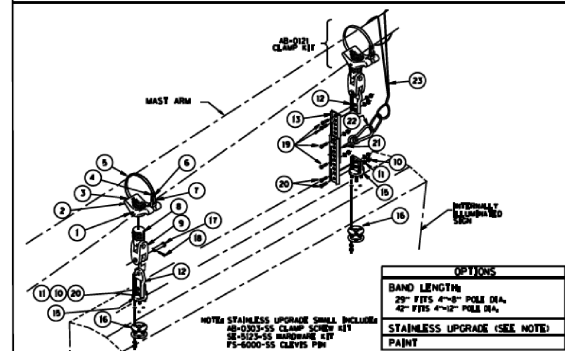
NOTES:
1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.



LED SIGN WIRING DETAIL

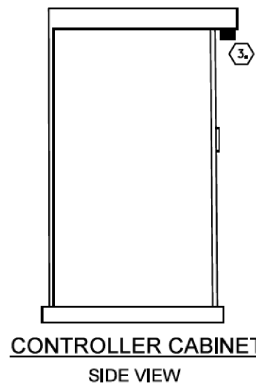
DESCRIPTION	MANUFACTURER	MODEL	NOTES
1. CIRCUIT BREAKER		15 AMPERE	
2. TERMINAL BLOCK	MARATHON	1502 DJSV	
3. PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
4. CONTRACTOR (INDUSTRIAL CONTROL RELAY)	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
5. IN-LINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMANN	S-8000 BK/S-8-3-4-R	
6. ELECTRIC CABLE, No. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE /SOOW	02762	
7. CORD/CABLE CONNECTOR	APPLETON	CG5050S (STEEL)	
8. SIGN MOUNTING HARDWARE	PELCO	SE-5015	

TITLE: BRACKET, FREE-SWINGING MAST ARM SIGN W/BAND MOUNT MINI-BRAC

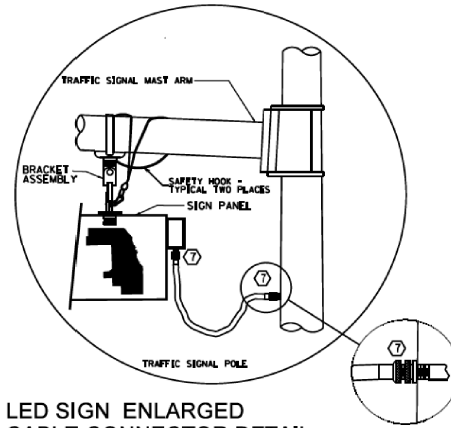


ITEM	PART NO.	DESCRIPTION	QTY
1	FS-3205-SS	SCREW, SET SO HD 1/4"-20 X 5/8", STAINLESS	2
2	AB-0266-MI	CLAMP, MINI-BRAC BAND MOUNT, 1 1/2" NPS, ALUM	2
3	FS-6201-ZNI	PIN, GROOVE 3/16" X 1 1/4", ZINC	2
4	AB-0244-SS	CLAMP, BAND 5/8", STAINLESS	2
5	AB-0243-L	BAND, 5/8", STAINLESS	2
6	FS-3202-SS	SCREW, SET SOC HD 5/16"-18, STAINLESS	2
7	AB-0303-GLV	KIT, CLAMP SCREW FOR MINI-BRAC, GALV	2
8	SE-0371-MI	ADAPTER, SPAN WIRE, DIE CAST ALUM W/ SS INSERT	2
9	SE-0464-M2	CLEVIS-CLEVIS, 1/2" X 1/2", ALUM W/ STAINLESS BUSHINGS	2
10	FS-1001-SS	NUT, HEX HD 5/16", STAINLESS	8
11	FS-4201-SS	WASHER, SPLIT LOCK, 3/16", STAINLESS	8
12	SE-0508-M2	EXTENDER CONNECTOR HANGER, ALUM W/ STAINLESS BUSHINGS	2
13	SE-0507-MI	EXTENDER, 11"	2
14	SE-0512-MI	HANGER, TRI-STUD, ALUM	2
15	SE-5048-SS	HARDWARE KIT W/ CASSET, 5/16" - 18, STAINLESS	2
16	FS-6000-GLV	PIN, CLEVIS, 5/8" X 2 1/4", EL. GALV	4
17	FS-6100-SS	PIN, COTTER HUMPED, 5/32" X 1.775" 304 STAINLESS	4
18	FS-2008-SS	BOLT, HEX HD, 5/16" - 18 X 1", STAINLESS	4
19	FS-2019-SS	BOLT, HEX HD, 5/16" - 18 X 1 1/4", STAINLESS	4
20	FS-2019-SS	BOLT, HEX HD, 5/16" - 18 X 1 1/4", STAINLESS	4
21		EYE HOOK, STAINLESS STEEL (RATED FOR APPROPRIATE LOAD)	2
22		CARABINER HOOK, STAINLESS STEEL (RATED FOR APPROPRIATE LOAD)	2
23	SH-1867-L	CABLE, SAFETY, FOR SIGN HANGERS, STAINLESS	2
	FS-9054-SS	SLEEVE, COMPRESSION, OVAL, STAINLESS	4
	FS-5101-SS	WIRE ROPE, 3/16" X 7 X 19, AIRCRAFT, TYPE 304 STAINLESS	2
	FS-6516-SS	CONNECTOR, THREADED, 3/16" X 1-1/2", STAINLESS	2
	Z-2042	INSTRUCTIONS, SAFETY CABLE FOR SIGN HANGERS	2

LED SIGN BRACKET DETAIL

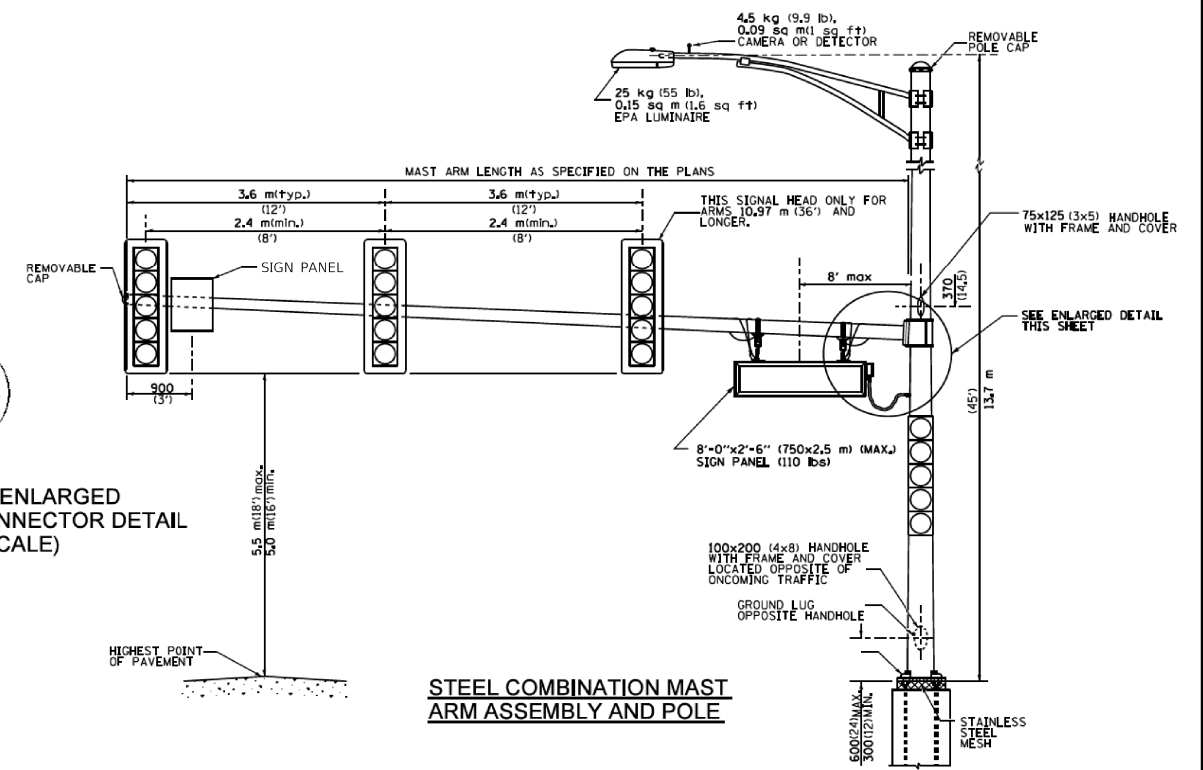


CONTROLLER CABINET SIDE VIEW

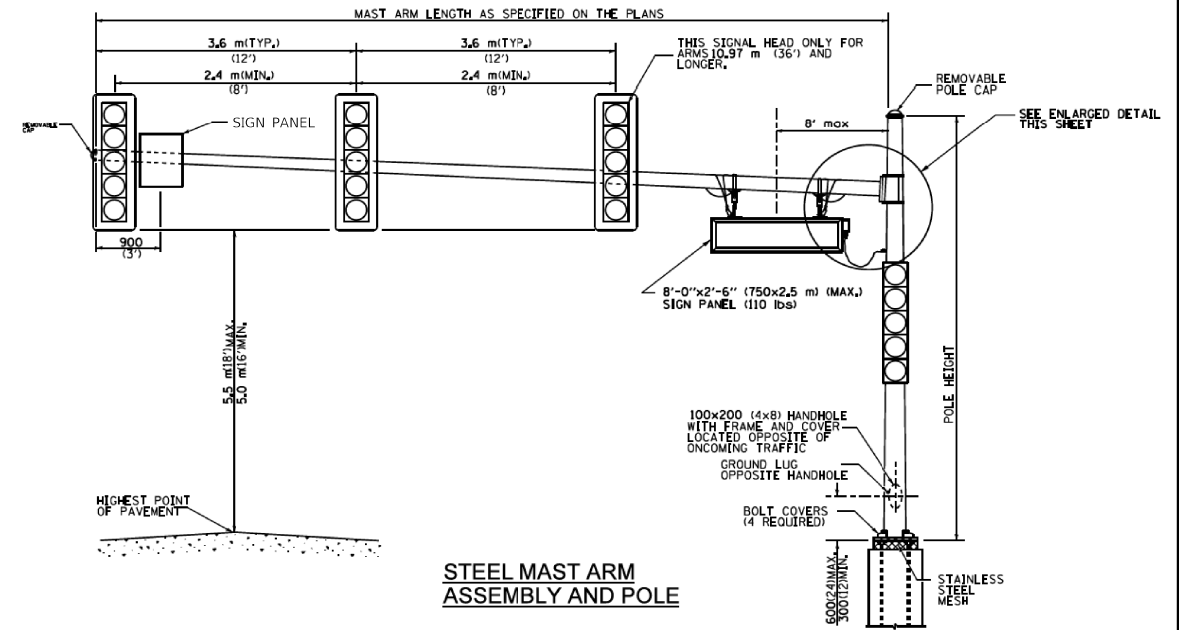


LED SIGN ENLARGED CABLE CONNECTOR DETAIL (NOT TO SCALE)

LED SIGN ENLARGED CABLE CONNECTOR DETAIL (NOT TO SCALE)



STEEL COMBINATION MAST ARM ASSEMBLY AND POLE



STEEL MAST ARM ASSEMBLY AND POLE

GENERAL NOTE:

- SIGNAL HEADS, SIGN PANELS, AND OTHER ATTACHMENT ARE SHOWN FOR MINIMUM DESIGN LOADING PURPOSES ONLY. EACH SIGNAL HEAD SHALL WEIGH 36 Kg (80 lb) AND HAVE A PROJECTED AREA OF 1.37 sq. m (14.7 sq. ft.).
- PHOTO ELECTRIC CELL IS TO BE MOUNTED ABOVE CABINET DOOR.
- THE SIGN SHALL BE LOCATED AT A MAXIMUM OF 8' FROM CENTER OF SIGN TO POLE.
- SIGN IS TO BE MOUNTED A MINIMUM OF 16' ABOVE PAVEMENT.
- CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
- SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
- ALL 120 VOLT SYSTEM AND CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
R = RED, BL = BLUE, W = WHITE
B = BLACK, Y = YELLOW, G = GREEN

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

FILE DATE: TIMES

MUNICIPALITY, IL	COUNTY HIGHWAY#
MUNICIPALITY, IL	FISCAL YEAR#
NAME TOWNSHIP	SECTION#



COUNTY OF COOK
DEPARTMENT OF TRANSPORTATION AND HIGHWAYS

COMPUTED: XX
DRAWN: XXX
CHECKED: XX

REVISIONS	DATE
	MM/DD/YR

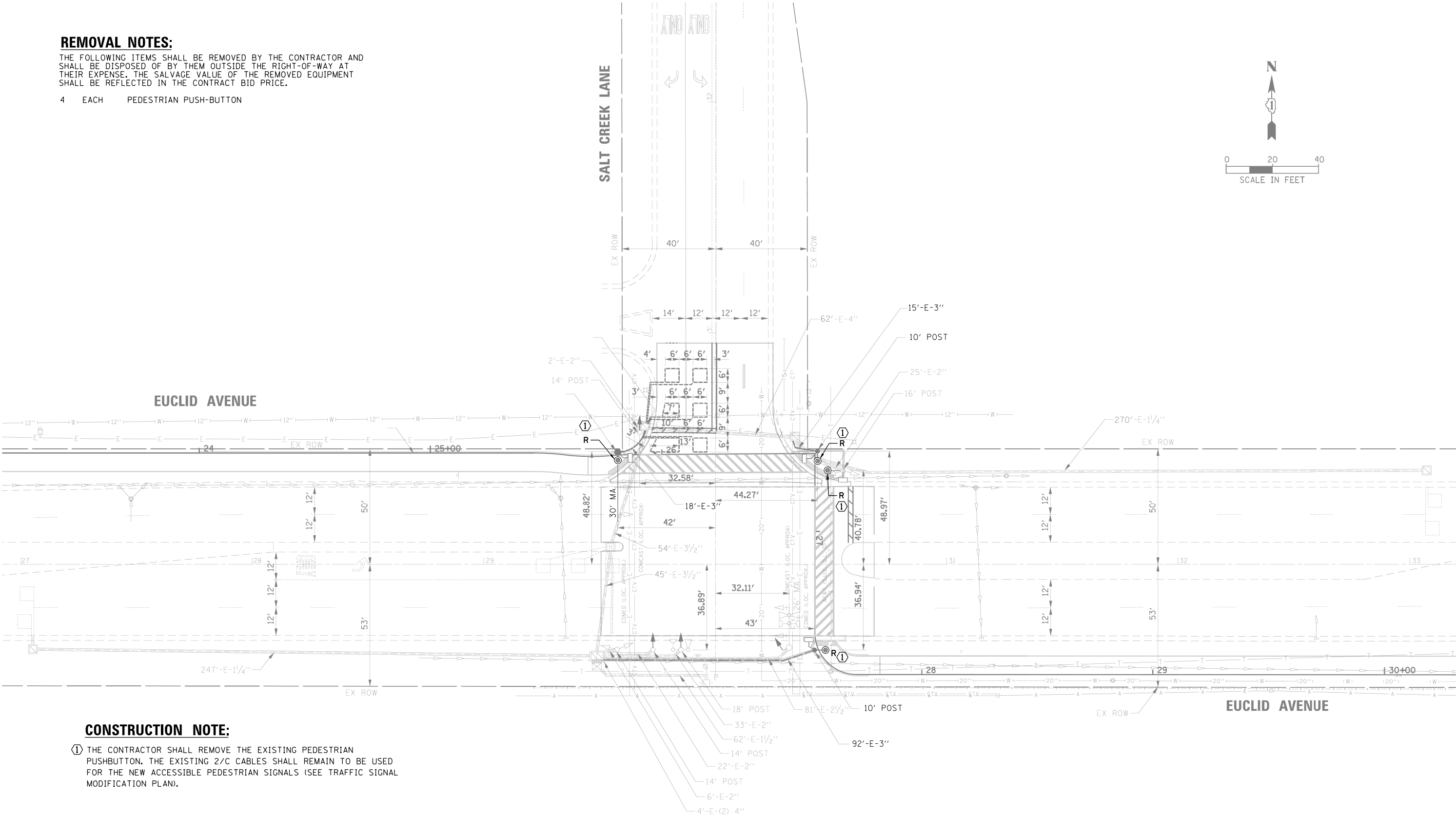
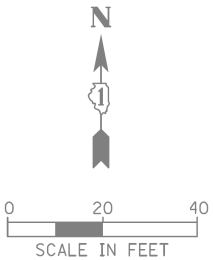
STANDARD
ILLUMINATED STREET NAME SIGN
MOUNTING DETAIL

SCALE: N.T.S. SHEET 53

REMOVAL NOTES:

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

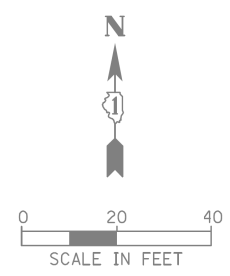
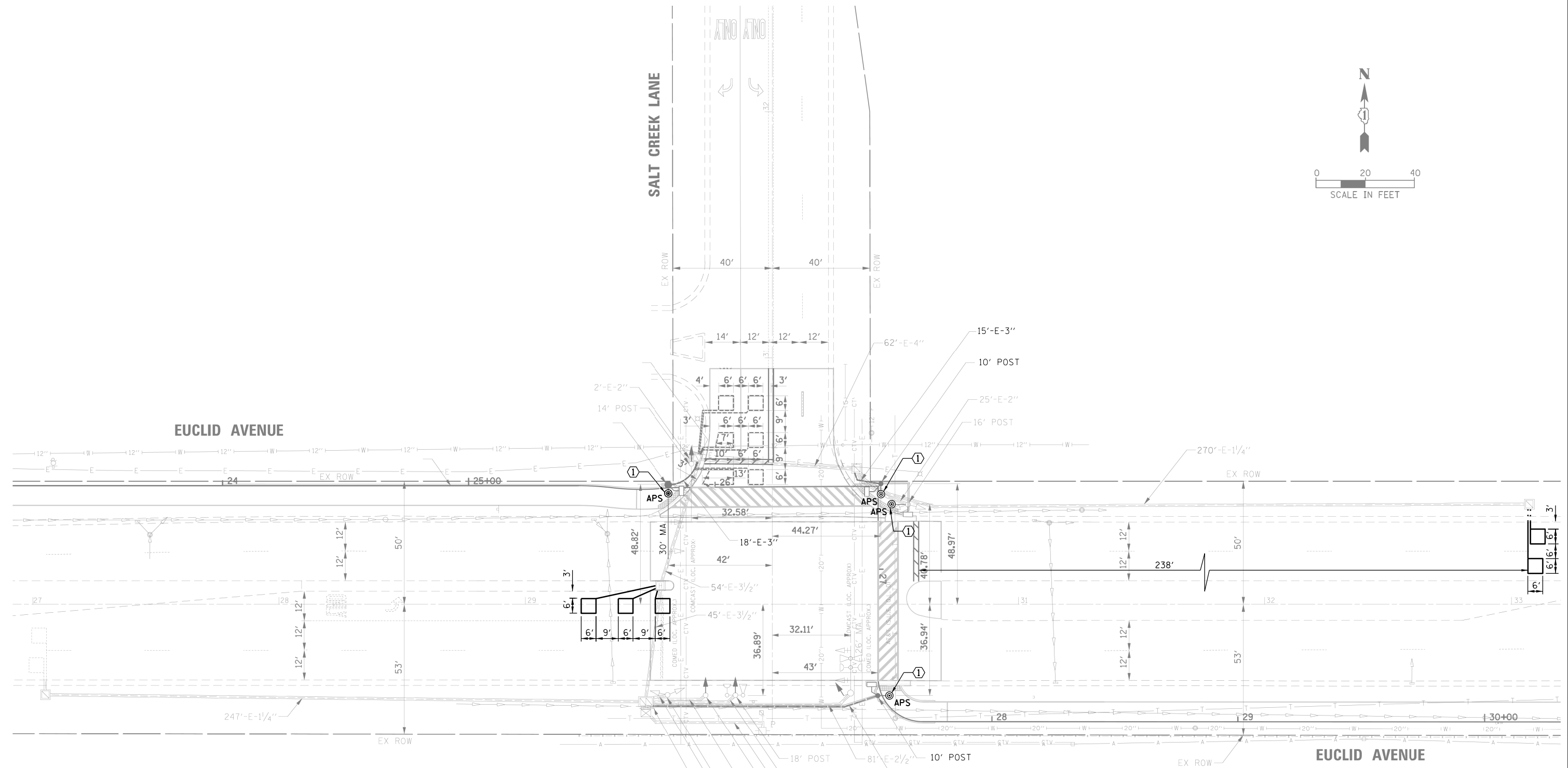
4 EACH PEDESTRIAN PUSH-BUTTON



CONSTRUCTION NOTE:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING PEDESTRIAN PUSHBUTTON. THE EXISTING 2/C CABLES SHALL REMAIN TO BE USED FOR THE NEW ACCESSIBLE PEDESTRIAN SIGNALS (SEE TRAFFIC SIGNAL MODIFICATION PLAN).

FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN EUCLID AVENUE AND SALT CREEK LANE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Traffic\REM	Euclid-SaltCreek.dgn	DRAWN - FPB	REVISED -						1292	23-00221-00-R5	COOK	106	54
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -						CONTRACT NO. 61L93				
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -										
									SCALE: N.T.S.	SHEET OF	SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT

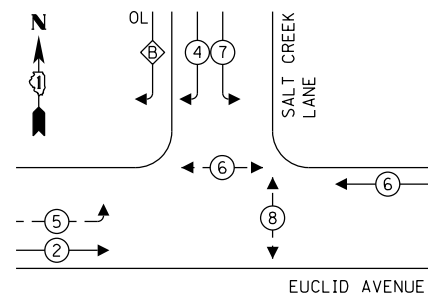


CONSTRUCTION NOTE:

- ① THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING PEDESTRIAN PUSHBUTTONS WITH ACCESSIBLE PEDESTRIAN SIGNALS (APS). THE PROPOSED APS UNITS WILL UTILIZE THE EXISTING SIGNAL CABLE.
- ② ALL ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS. THE ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE INSTALLED PERPENDICULAR TO THE CROSSWALK. THE CONTRACTOR WILL BE REQUIRED TO DRILL NEW HOLES IN THE EXISTING TRAFFIC SIGNAL EQUIPMENT (AND PLUG THE EXISTING HOLES) AND INSTALL ACCESSIBLE PEDESTRIAN SIGNAL EXTENSIONS AT SELECT LOCATIONS TO ENSURE PROPER PLACEMENT. ALL COSTS ASSOCIATED WITH DRILLING THE EXISTING TRAFFIC SIGNAL EQUIPMENT, PLUGGING THE EXISTING HOLES AND INSTALLING THE ACCESSIBLE PEDESTRIAN SIGNAL EXTENSIONS SHALL BE INCLUDED IN THE PAY ITEM: ACCESSIBLE PEDESTRIAN SIGNALS.

FILE NAME = N:\Arlington Heights\240327\Traffic\MOD	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN EUCLID AVENUE AND SALT CREEK LANE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40'	DRAWN - FPB	REVISED -					1292	23-00221-00-R5	COOK	106	55
	PLOT DATE = 11/5/2025	CHECKED - EAJ	REVISED -					CONTRACT NO. 61L93				
Default		DATE -	REVISED -		SCALE: N.T.S.	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT

EXISTING CONTROLLER SEQUENCE



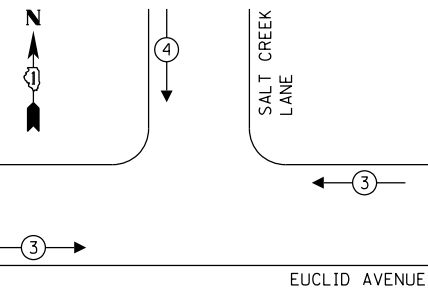
- LEGEND:
- ←[*] PROTECTED PHASE
 - ←[*] - PROTECTED/PERMITTED PHASE
 - ←[*]→ PEDESTRIAN PHASE
 - ←[*] OL OVERLAP

EXISTING RIGHT TURN OVERLAP

PHASE DESIGNATION:

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

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



LOCATION: EUCLID AVENUE AND SALT CREEK LANE
COOK COUNTY
DEPARTMENT OF TRANSPORATION AND HIGHWAYS
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100	1.00	100.00
VEHICLE DET.	5	5	1.00	25.00
PED. SIGNAL	4	25	1.00	100.00
12" SIGNAL (RED)	12	17	0.50	102.00
(YELLOW)	12	25	0.05	15.00
(GREEN)	12	15	0.45	81.00
(ARROW)	4	12	0.10	4.80
TOTAL =				427.80

ENERGY COST TO: COOK COUNTY BUREAU OF ADMINISTRATION
118 N. CLARK STREET, ROOM 801
CHICAGO, IL 60602
TOWER ACCOUNT NO. 1143025228
SUPPLIMENT NO. NC150357

ENERGY COST SHARE: COOK COUNTY: 67%

Village of Arlington Heights
33 S. Arlington Heights Road
Arlington Heights, IL 60005

ARLINGTON HEIGHTS: 33%

ENERGY SUPPLY CONTAINER: ComEd
PHONE: (866)639-3532
COMPANY: ComEd

EFFECTIVE DATE: TO BE DETERMINED

FILE NAME = N:\Arlington Heights\240327\Traffic\CABEuclid-SaltCreek.dgn
USER NAME = mthomas
PLOT SCALE = 48"
PLOT DATE = 11/5/2025

DESIGNED - BC
DRAWN - FPB
CHECKED - EAJ
DATE -

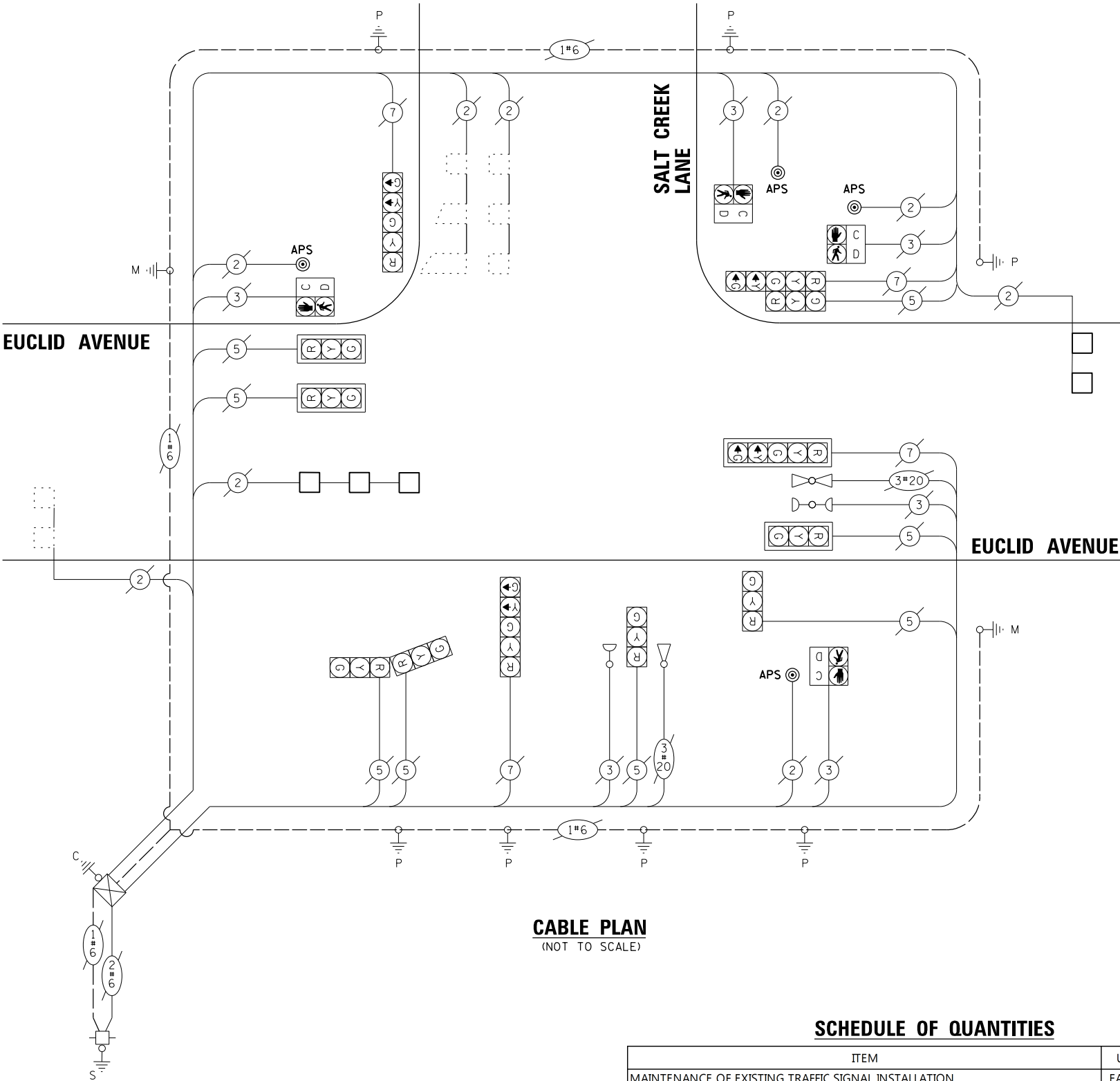
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
EUCLID AVENUE AND SALT CREEK LANE

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

F.A.U. RTE. 1292
SECTION 23-00221-00-R5
COUNTY COOK
TOTAL SHEETS 106
SHEET NO. 56
CONTRACT NO. 61L93
ILLINOIS FED. AID PROJECT



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	526
DETECTOR LOOP, TYPE I	FOOT	177
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	526
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ROD AND CLEAN EXISTING CONDUIT	FOOT	270
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
REBUILD EXISTING HEAVY-DUTY HANDHOLE	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

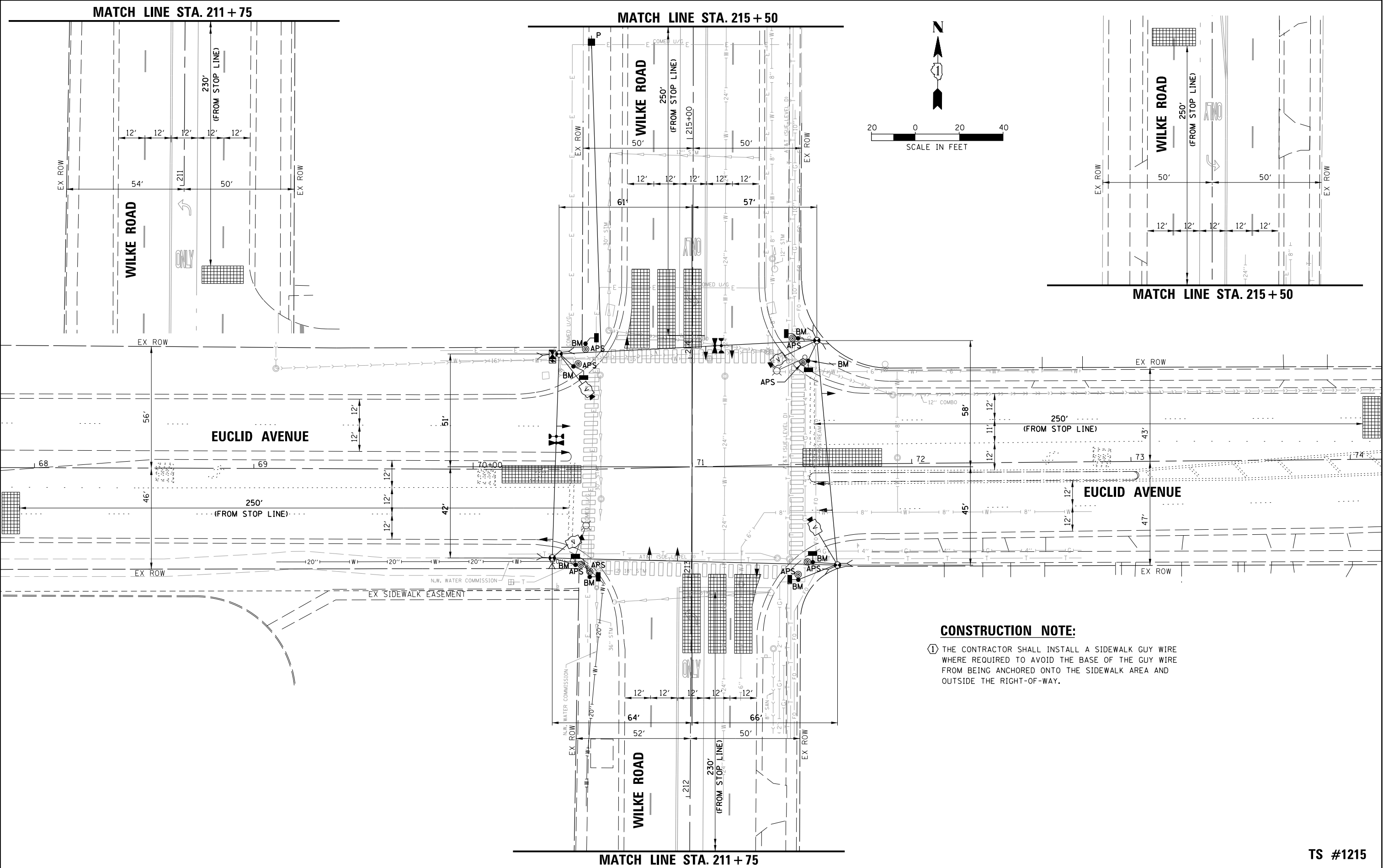
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE DELIVERY PER SPECIAL PROVISION OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
1	EACH	UNINTERRUPTABLE POWER SUPPLY
8	EACH	ACCESSIBLE PEDESTRIAN SIGNAL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL CONTROLLER:

- | | | | | |
|---------------------------|----------------|--------------------|-----------------|--------------|
| F.A.U.
RTE. | SECTION | COUNTY | TOTAL
SHEETS | SHEET
NO. |
| 1292 | 23-00221-00-R5 | COOK | 106 | 57 |
| | | CONTRACT NO. 61L93 | | |
| ILLINOIS FED. AID PROJECT | | | | |



CONSTRUCTION NOTE:

- ① THE CONTRACTOR SHALL INSTALL A SIDEWALK GUY WIRE WHERE REQUIRED TO AVOID THE BASE OF THE GUY WIRE FROM BEING ANCHORED ONTO THE SIDEWALK AREA AND OUTSIDE THE RIGHT-OF-WAY.

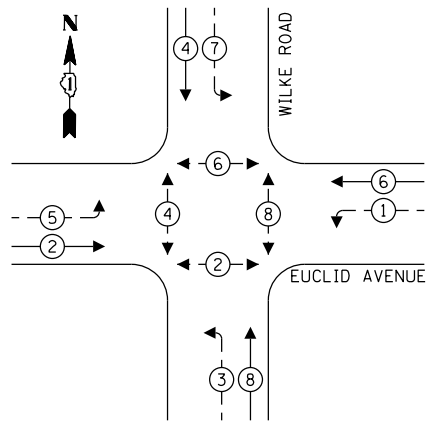
FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -
N:\Arlington Heights\240327\Traffic\TS10\EUCLID-WILKE.TMP.dgn		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN EUCLID AVENUE AT WILKE ROAD			
SCALE: 1" = 40'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	58
CONTRACT NO. 61L93				ILLINOIS FED. AID PROJECT

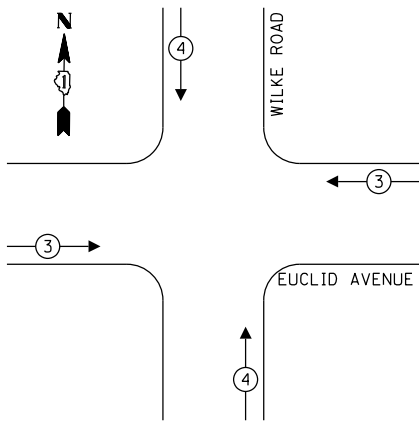
TEMPORARY CONTROLLER SEQUENCE



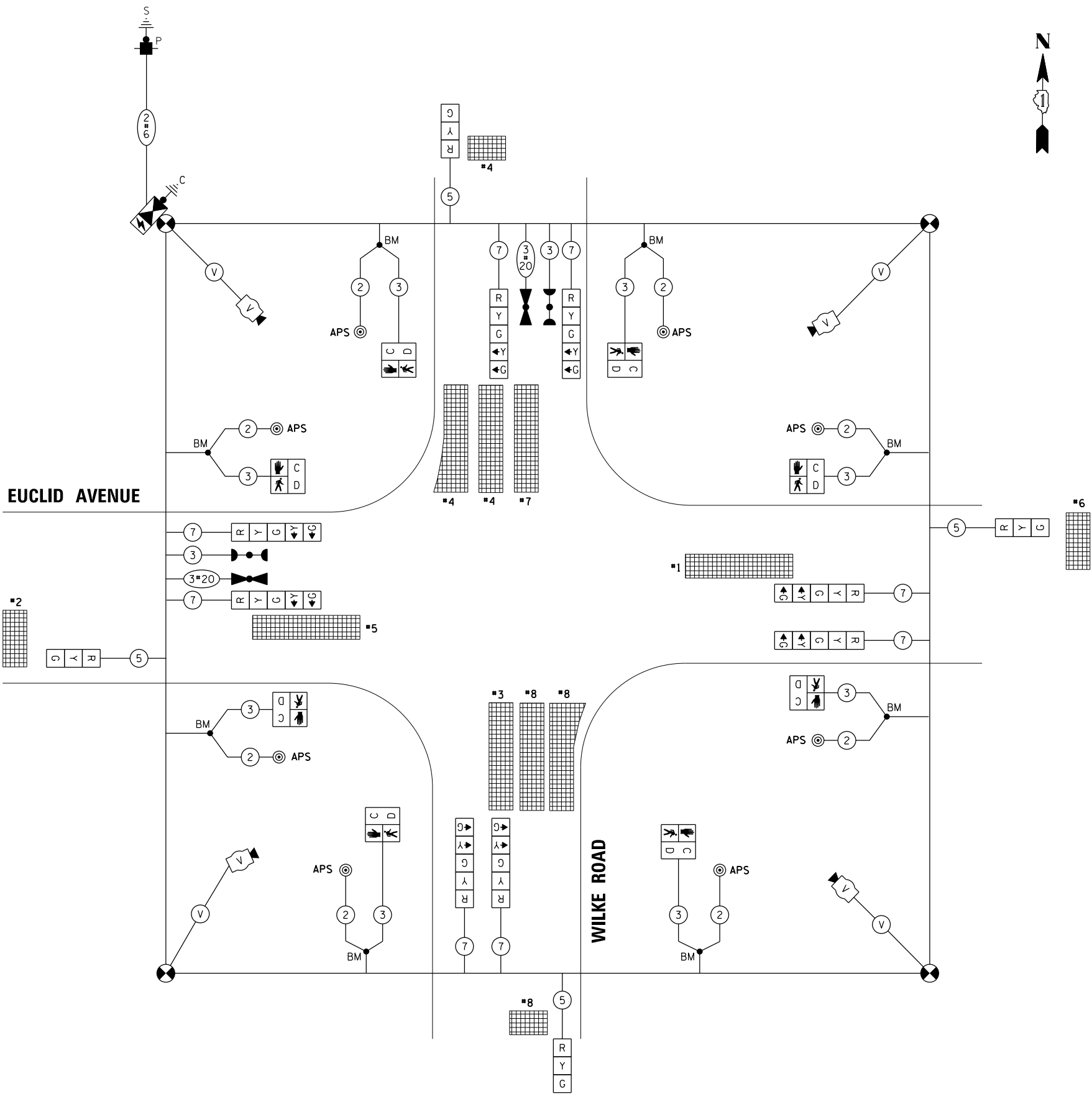
LEGEND:

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

TEMPORARY EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑



TEMPORARY CABLE PLAN
(NOT TO SCALE)

TEMPORARY TRAFFIC SIGNAL INSTALLATION NOTES:

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12” (300MM). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD. IF THE EXISTING INTERSECTION HAS AN ILLUMINATED STREET NAME SIGNS THE CONTRACTOR SHALL FURNISH STANDARD NON-ILLUMINATED SIGNS FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS (INCLUDING FOLDABLE STOP SIGNS) SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER. UPON COMPLETION OF PERMANENT TRAFFIC SIGNAL WORK, ALL STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND RELOCATED TO PERMANENT TRAFFIC SIGNAL POLES AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL. AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. ANY TEMPORARY TRAFFIC SECTIONS NOT IN USE DURING A STAGE OF CONSTRUCTION SHALL BE BAGGED AND DEACTIVATED. ALL PERMANENT TRAFFIC SIGNAL SECTIONS SHALL BE BAGGED OR REMOVED WHILE THE TEMPORARY TRAFFIC SIGNAL IS OPERATION.
8. ALL VIDEO DETECTION ZONES ARE TO BE REDEFINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION THE SATISFACTION OF THE ENGINEER.
10. THE CONTRACTOR IS RESPONSIBLE FOR RELOCATING ALL SIGNAL HEADS TO AGREE WITH CONSTRUCTION STAGING AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER AND IS CONSIDERED TO BE PART OF THE PAY ITEM TEMPORARY TRAFFIC SIGNAL INSTALLATION. IF THERE IS UTILITY CONFLICT, SIGNAL HEAD CAN BE PUT HORIZONTALLY.

ESTIMATED BILL OF MATERIALS

ITEM DESCRIPTION	UNIT	QUANTITY
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
SPAN WIRE	FOOT	635
TETHER WIRE	FOOT	485
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	205
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	230
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 2C	FOOT	1434
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C	FOOT	1577
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	609
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C	FOOT	1222
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	4
SIGNAL HEAD ,LED, 1-FACE 5-SECTION, SPAN WIRE MOUNTED	EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, AERIAL SUSPENDED, NO. 20 3/C	FOOT	199
CONFIRMATION BEACON	EACH	2
VIDEO VEHICLE DETECTION SYSTEM	EACH	1
TEMPORARY TRAFFIC SIGNAL, WOOD POLE	EACH	4
TEMPORARY TRAFFIC SIGNAL POST, BARREL MOUNTED	EACH	4
FULL-ACTUATED CONTROLLER AND CABINET, COMPLETE	EACH	1

TRAFFIC SIGNAL INSTALLATION NOTES:

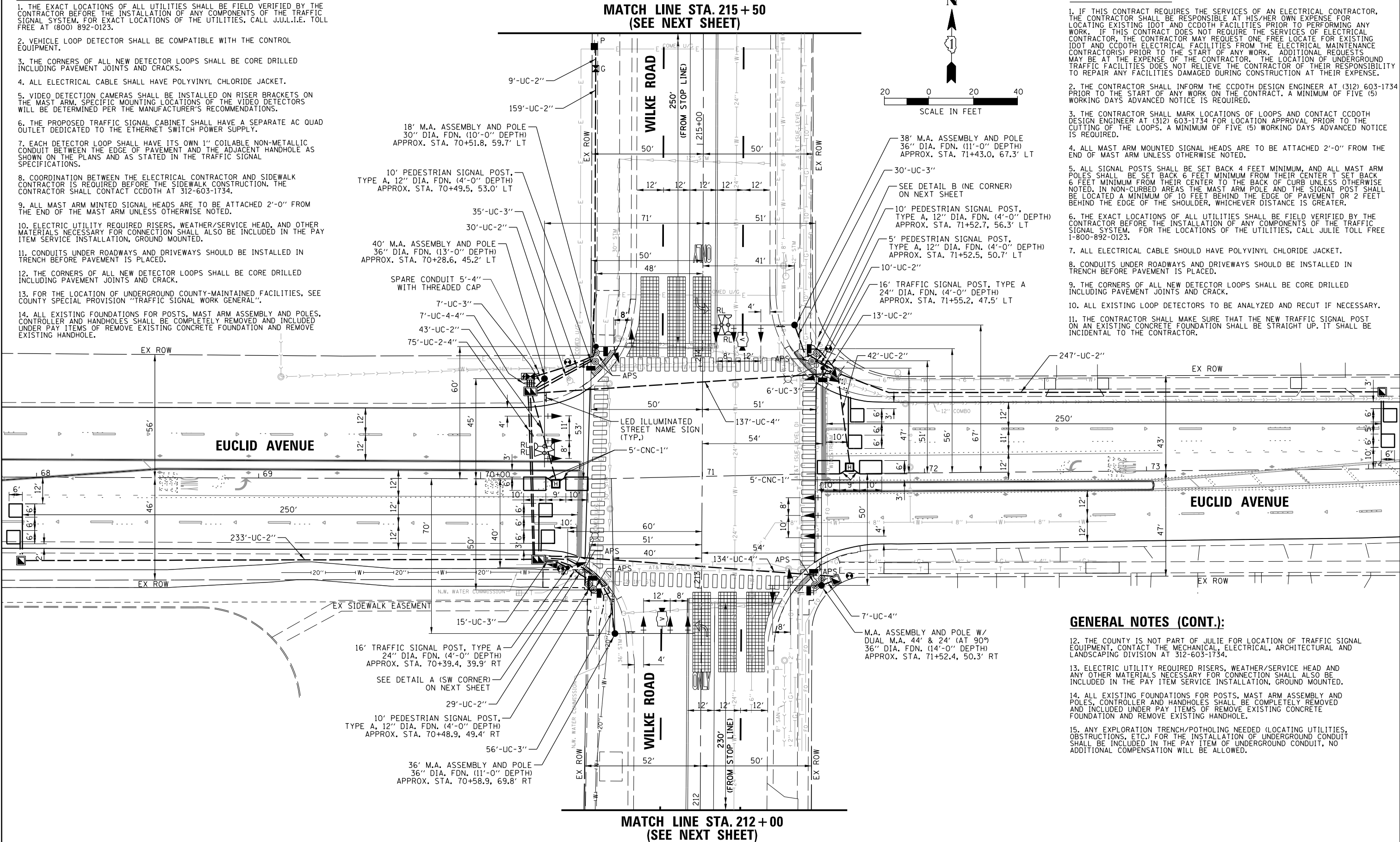
1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR EXACT LOCATIONS OF THE UTILITIES, CALL J.U.L.I.E. TOLL FREE AT (800) 892-0123.
2. VEHICLE LOOP DETECTOR SHALL BE COMPATIBLE WITH THE CONTROL EQUIPMENT.
3. THE CORNERS OF ALL NEW DETECTOR LOOPS SHALL BE CORE DRILLED INCLUDING PAVEMENT JOINTS AND CRACKS.
4. ALL ELECTRICAL CABLE SHALL HAVE POLYVINYL CHLORIDE JACKET.
5. VIDEO DETECTION CAMERAS SHALL BE INSTALLED ON RISER BRACKETS ON THE MAST ARM. SPECIFIC MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
6. THE PROPOSED TRAFFIC SIGNAL CABINET SHALL HAVE A SEPARATE AC QUAD OUTLET DEDICATED TO THE ETHERNET SWITCH POWER SUPPLY.
7. 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.
8. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CCDOH AT 312-603-1734.
9. ALL MAST ARM MINTED SIGNAL HEADS ARE TO BE ATTACHED 2'-0" FROM THE END OF THE MAST ARM UNLESS OTHERWISE NOTED.
10. ELECTRIC UTILITY REQUIRED RISERS, WEATHER/SERVICE HEAD, AND OTHER MATERIALS NECESSARY FOR CONNECTION SHALL ALSO BE INCLUDED IN THE PAY ITEM SERVICE INSTALLATION, GROUND MOUNTED.
11. CONDUITS UNDER ROADWAYS AND DRIVEWAYS SHOULD BE INSTALLED IN TRENCH BEFORE PAVEMENT IS PLACED.
12. THE CORNERS OF ALL NEW DETECTOR LOOPS SHALL BE CORE DRILLED INCLUDING PAVEMENT JOINTS AND CRACK.
13. FOR THE LOCATION OF UNDERGROUND COUNTY-MAINTAINED FACILITIES, SEE COUNTY SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".
14. ALL EXISTING FOUNDATIONS FOR POSTS, MAST ARM ASSEMBLY AND POLES, CONTROLLER AND HANDHOLES SHALL BE COMPLETELY REMOVED AND INCLUDED UNDER PAY ITEMS OF REMOVE EXISTING CONCRETE FOUNDATION AND REMOVE EXISTING HANDHOLE.

GENERAL NOTES:

1. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT AND CCDOH FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT AND CCDOH ELECTRICAL FACILITIES FROM THE ELECTRICAL MAINTENANCE CONTRACTOR(S) PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
2. THE CONTRACTOR SHALL INFORM THE CCDOH DESIGN ENGINEER AT (312) 603-1734 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCED NOTICE IS REQUIRED.
3. THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT CCDOH DESIGN ENGINEER AT (312) 603-1734 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCED NOTICE IS REQUIRED.
4. ALL MAST ARM MOUNTED SIGNAL HEADS ARE TO BE ATTACHED 2'-0" FROM THE END OF MAST ARM UNLESS OTHERWISE NOTED.
5. ALL SIGNAL POSTS SHALL BE SET BACK 4 FEET MINIMUM, AND ALL MAST ARM POLES SHALL BE SET BACK 6 FEET MINIMUM FROM THEIR CENTER T SET BACK 6 FEET MINIMUM FROM THEIR CENTER TO THE BACK OF CURB UNLESS OTHERWISE NOTED. IN NON-CURBED AREAS THE MAST ARM POLE AND THE SIGNAL POST SHALL BE LOCATED A MINIMUM OF 10 FEET BEHIND THE EDGE OF PAVEMENT OR 2 FEET BEHIND THE EDGE OF THE SHOULDER, WHICHEVER DISTANCE IS GREATER.
6. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE 1-800-892-0123.
7. ALL ELECTRICAL CABLE SHOULD HAVE POLYVINYL CHLORIDE JACKET.
8. CONDUITS UNDER ROADWAYS AND DRIVEWAYS SHOULD BE INSTALLED IN TRENCH BEFORE PAVEMENT IS PLACED.
9. THE CORNERS OF ALL NEW DETECTOR LOOPS SHALL BE CORE DRILLED INCLUDING PAVEMENT JOINTS AND CRACK.
10. ALL EXISTING LOOP DETECTORS TO BE ANALYZED AND RECUT IF NECESSARY.
11. THE CONTRACTOR SHALL MAKE SURE THAT THE NEW TRAFFIC SIGNAL POST ON AN EXISTING CONCRETE FOUNDATION SHALL BE STRAIGHT UP. IT SHALL BE INCIDENTAL TO THE CONTRACTOR.

GENERAL NOTES (CONT.):

12. THE COUNTY IS NOT PART OF JULIE FOR LOCATION OF TRAFFIC SIGNAL EQUIPMENT, CONTACT THE MECHANICAL, ELECTRICAL, ARCHITECTURAL AND LANDSCAPING DIVISION AT 312-603-1734.
13. ELECTRIC UTILITY REQUIRED RISERS, WEATHER/SERVICE HEAD AND ANY OTHER MATERIALS NECESSARY FOR CONNECTION SHALL ALSO BE INCLUDED IN THE PAY ITEM SERVICE INSTALLATION, GROUND MOUNTED.
14. ALL EXISTING FOUNDATIONS FOR POSTS, MAST ARM ASSEMBLY AND POLES, CONTROLLER AND HANDHOLES SHALL BE COMPLETELY REMOVED AND INCLUDED UNDER PAY ITEMS OF REMOVE EXISTING CONCRETE FOUNDATION AND REMOVE EXISTING HANDHOLE.
15. ANY EXPLORATION TRENCH/POTHOLING NEEDED (LOCATING UTILITIES, OBSTRUCTIONS, ETC.) FOR THE INSTALLATION OF UNDERGROUND CONDUIT SHALL BE INCLUDED IN THE PAY ITEM OF UNDERGROUND CONDUIT, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



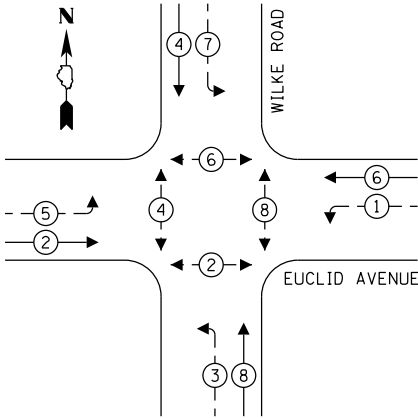
FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -
N:\Arlington Heights\240327\Traffic\TS13	EUCLID-WILKE.MOD-01.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -
Default	PLOT DATE = 11/7/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

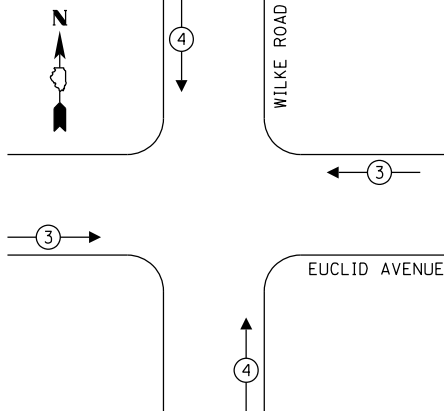
TRAFFIC SIGNAL MODERNIZATION PLAN EUCLID AVENUE AT WILKE ROAD (SHEET 1 OF 2)			
SCALE: 1" = 40'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	61
CONTRACT NO. 61L93				
ILLINOIS FED. AID PROJECT				

EXISTING AND PROPOSED
CONTROLLER SEQUENCE



EXISTING AND PROPOSED
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



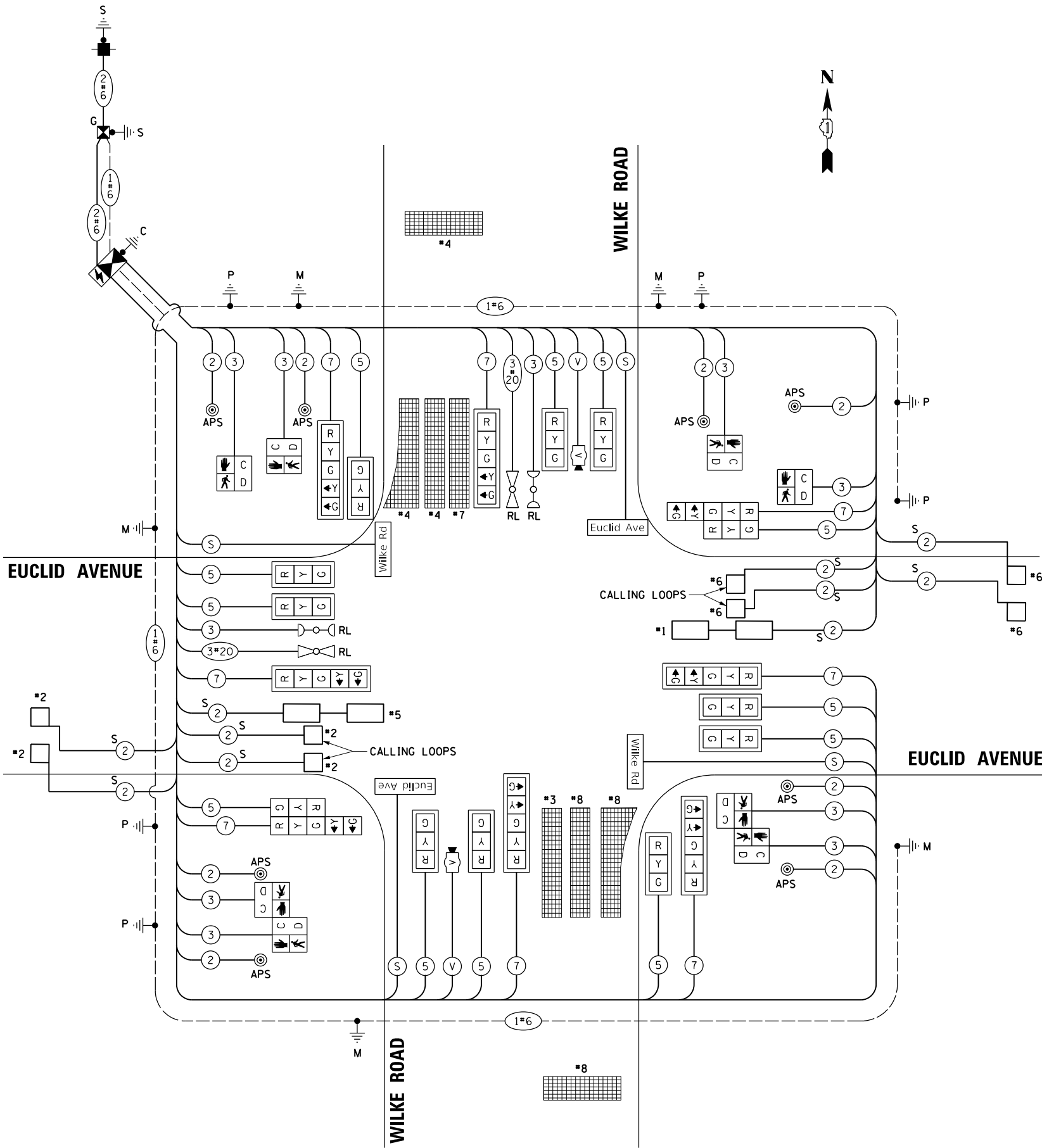
LEGEND:

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

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

LEGEND:

- (S) STREET NAME SIGN CABLE, NO. 14 3C, TYPE S00W
- (X) SHIELD CABLE



CABLE PLAN
(NOT TO SCALE)

LOCATION: EUCLID AVE AND WILKE ROAD COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100	1	100.00
VEHICLE DET.	10	5	1	50.00
PED. SIGNAL	8	25	1	200.00
12" SIGNAL (RED)	20	17	0.5	170.00
(YELLOW)	20	25	0.05	25.00
(GREEN)	20	15	0.45	135.00
(ARROW)	8	12	0.1	9.60
ILLUMINATED LED STREET NAME 4"	2	72	0.4	57.60
ILLUMINATED LED STREET NAME 6"	2	108	0.4	86.40
VIDEO DET.	2	25	1	50.00
HEATER	1	200	0.3	60.00
TOTAL =				943.60
ENERGY COST TO: COOK COUNTY BUREAU OF ADMINISTRATION 118 N. CLARK STREET, ROOM 801 CHICAGO, IL 60602 TOWER ACCOUNT NO. 1143025228		ENERGY COST SHARE: COOK COUNTY: 50%		
Arlington Heights 33 S. Arlington Heights Road Arlington Heights, IL 60005		Arlington Heights: 37.5%		
City of Rolling Meadows 3600 Kirchoff Road Rolling Meadows, IL 60008		Rolling Meadows: 12.5%		
ENERGY SUPPLY CONTACT: ComEd PHONE: (866) 639-3532 COMPANY: ComEd		EFFECTIVE DATE: TO BE DETERMINED		

FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -
N:\Arlington Heights\240327\Traffic\TS15	EUCLID-WILKE_CAB.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 48"	CHECKED - EAJ	REVISED -
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -

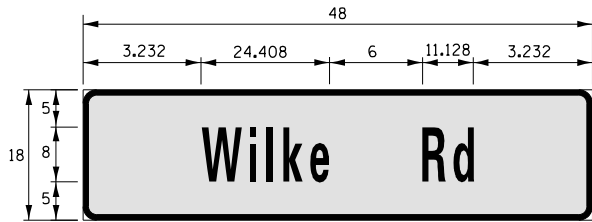
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
EUCLID AVENUE AT WILKE ROAD

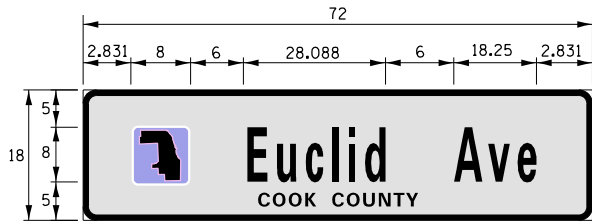
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	63
CONTRACT NO. 61L93				
ILLINOIS FED. AID PROJECT				

LED ILLUMINATED MAST ARM MOUNTED
STREET NAME SIGN

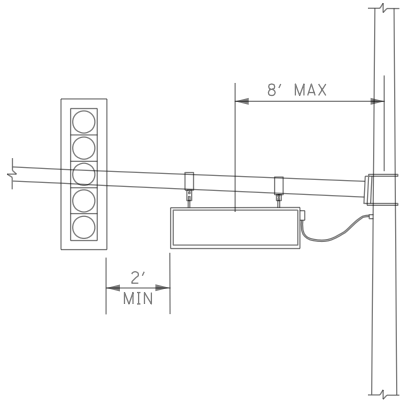


SIGN DIMENSIONS	SIGN NAME	QUANTITY	FONT: FHWA SERIES
48" x 18"	Wilke Rd	2	D



SIGN DIMENSIONS	SIGN NAME	QUANTITY	FONT: FHWA SERIES
72" x 18"	Euclid Ave	2	D

NOTE: THE LED ILLUMINATED STREET NAME SIGN SHALL BE PENDANT MOUNT. FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, PLEASE SEE DISTRICT ONE ILLUMINATED STREET NAME SIGN DETAIL.



PENDANT MOUNT
ILLUMINATED STREET NAME SIGN

NOTE: LED STREET NAME SIGN SHALL BE 2-SIDED AND PENDANT MOUNT TO THE STEEL MAST ARM ASSEMBLY.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	568
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	149
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	461
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1366
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1763
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2437
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1636
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2618
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	206
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1253
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	49
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE	EACH	16
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE I	FOOT	414
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	12
REMOVE EXISTING DOUBLE HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	345
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	791
FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

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

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED PEDESTRIAN POSTS AS SHOWN IN THE MODIFICATION PLAN.

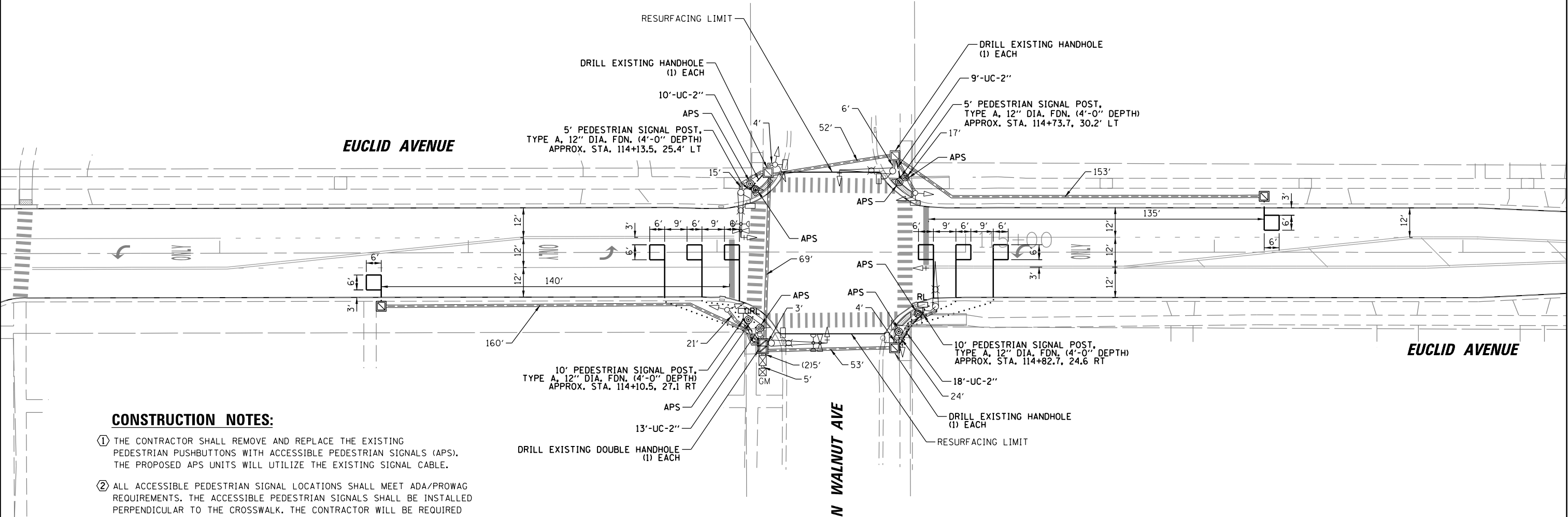
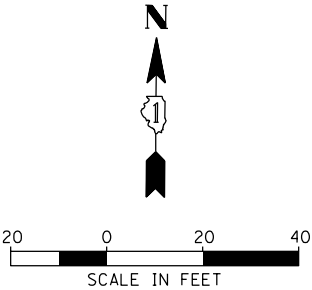


- ① THE CONTRACTOR SHALL REMOVE THE EXISTING PEDESTRIAN PUSHBUTTON. THE EXISTING 2/C CABLES SHALL REMAIN TO BE USED FOR THE NEW ACCESSIBLE PEDESTRIAN SIGNALS (SEE TRAFFIC SIGNAL MODIFICATION PLAN).
- ② THE CONTRACTOR SHALL DISCONNECT THE EXISTING 2/C CABLE USED FOR THE PEDESTRIAN PUSH BUTTON AND PULL THE 2/C CABLE TO THE NEAREST HANDHOLE AND REUSE THE 2/C CABLE FOR THE NEW ACCESSIBLE PEDESTRIAN SIGNAL (SEE THE TRAFFIC SIGNAL MODIFICATION PLAN).

FILE NAME = N:\Arlington Heights\240327\Traffic\REM\Euclid-Walnut.dgn Default	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN EUCLID AVENUE AND WALNUT AVENUE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	Euclid-Walnut.dgn	DRAWN - FPB	REVISED -			1292	23-00221-00-RS	COOK	106	65
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -			CONTRACT NO. 61L93				
	PLOT DATE = 11/5/2025	DATE -	REVISED -			SCALE: 1" = 40'	SHEET	OF	SHEETS	STA.

NOTE:

1. NO CONNECTION OF THE LEAD-IN CABLES SHALL BE MADE TO THE EXISTING CONTROLLER CABINET. THE CONTACTOR SHALL CONTACT SCOTT BELLANGER @ SBELLANGER@VAH.COM PRIOR TO THE CUTTING OF THE LOOPS TO ASSIST WITH LAYOUT AND DETAILS.

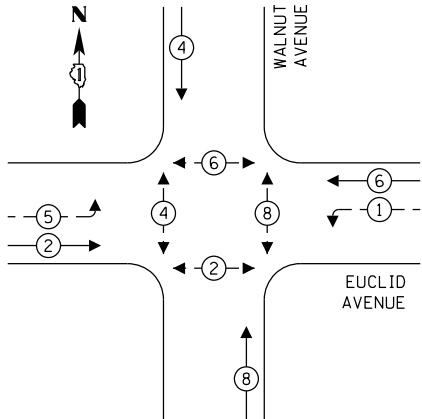


CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING PEDESTRIAN PUSHBUTTONS WITH ACCESSIBLE PEDESTRIAN SIGNALS (APS). THE PROPOSED APS UNITS WILL UTILIZE THE EXISTING SIGNAL CABLE.
- 2 ALL ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS. THE ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE INSTALLED PERPENDICULAR TO THE CROSSWALK. THE CONTRACTOR WILL BE REQUIRED TO DRILL NEW HOLES IN THE EXISTING TRAFFIC SIGNAL EQUIPMENT (AND PLUG THE EXISTING HOLES). ALL COSTS ASSOCIATED WITH DRILLING THE EXISTING TRAFFIC SIGNAL EQUIPMENT AND PLUGGING THE EXISTING HOLES SHALL BE INCLUDED IN THE PAY ITEM: ACCESSIBLE PEDESTRIAN SIGNALS.
- 3 NO PROPOSED POST SHALL EXCEED 10 FT FROM FACE OF CURB.
- 4 THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO ADA COMPLIANT.
- 5 ALL EXISTING TRAFFIC CABLE NO LONGER REQUIRED SHALL BE REMOVED.

FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN EUCLID AVENUE AND WALNUT AVENUE	F.A.U. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
N:\Arlington Heights\240327\Traffic\MOD	Euclid-Walnut.dgn	DRAWN - FPB	REVISED -			1292	23-00221-00-R5		COOK	106	66		
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -			CONTRACT NO. 61L93							
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -			ILLINOIS FED. AID PROJECT							
				SCALE: 1" = 40'		SHEET	OF	SHEETS	STA.	TO STA.			

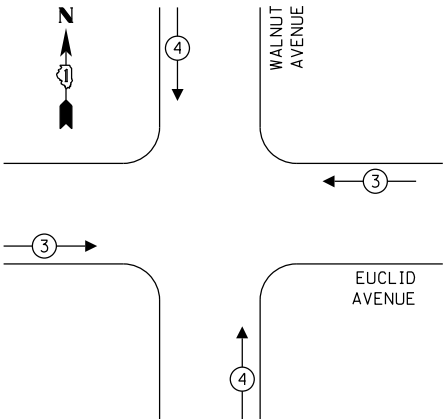
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	9	11	99
4-SECTION		14	0
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION		22	0
4-SECTION		32	0
5-SECTION		28	0
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER		100	0
UPS		25	0
DETECTION RADAR		20	0
VIDEO		20	0
NETWORK SWITCH II OR III		25	0
BLANK-OUT SIGN		35	0
CELLULAR MODEM		15	0
TOTAL UPS SIZING			421
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER		15	0
LED STREET NAME SIGN		120	0
LUMINAIRE	4	240	960
PTZ CAMERA		75	0
TOTAL SERVICE WIRE SIZING			1986
ENERGY COSTS TO:			
VILLAGE OF ARLINGTON HEIGHTS			
33 S. Arlington Heights Road			
Arlington Heights, Illinois 60005			
ENERGY SUPPLY: CONTACT:			
PHONE:			
COMPANY: COMMONWEALTH EDISON			
ACCOUNT NUMBER:			

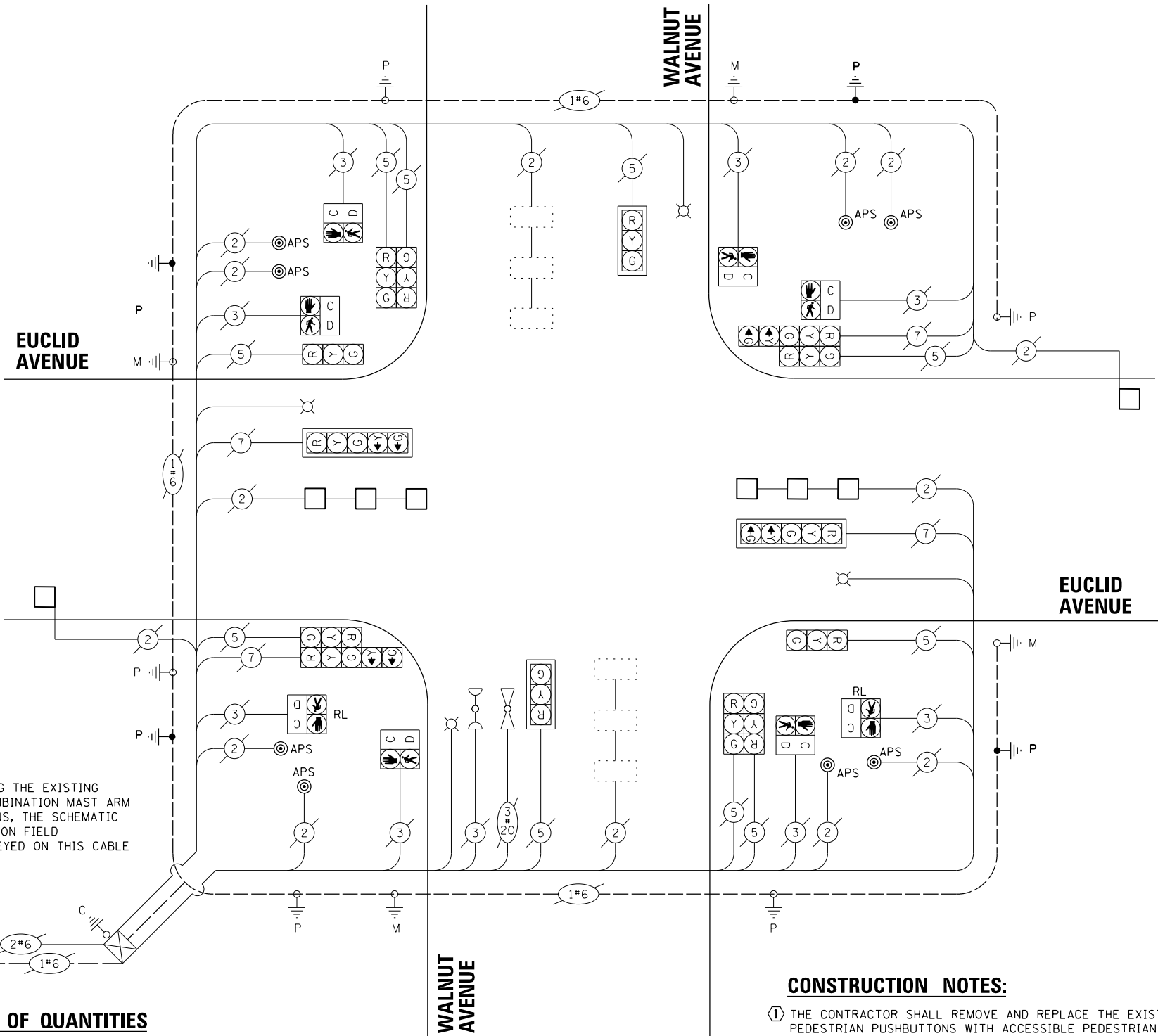
NOTE:

1. THERE ARE NO EXISTING RECORD PLANS REGARDING THE EXISTING PHASING, TRAFFIC SIGNAL INSTALLATION, AND COMBINATION MAST ARM ASSEMBLY POLES WITH THE LUMINAIRE HEADS. THUS, THE SCHEMATIC SHOWN ON THIS CABLE PLAN IS CONVEYED BASED ON FIELD OBSERVATIONS. LUMINAIRE HEADS ARE ONLY CONVEYED ON THIS CABLE PLAN WITH NO CONDUCTOR OR AWG INFORMATION.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	50
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
* ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	166
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	109
DRILL EXISTING HANDHOLE	EACH	4
DETECTOR LOOP, TYPE I	FOOT	290
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
* REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	149
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	269
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* - NOMINAL PAY ITEM AND QUANTITY TO BE USED IF REQUIRED AND APPROVED BY THE ENGINEER.



CABLE PLAN
(NOT TO SCALE)

CONSTRUCTION NOTES:

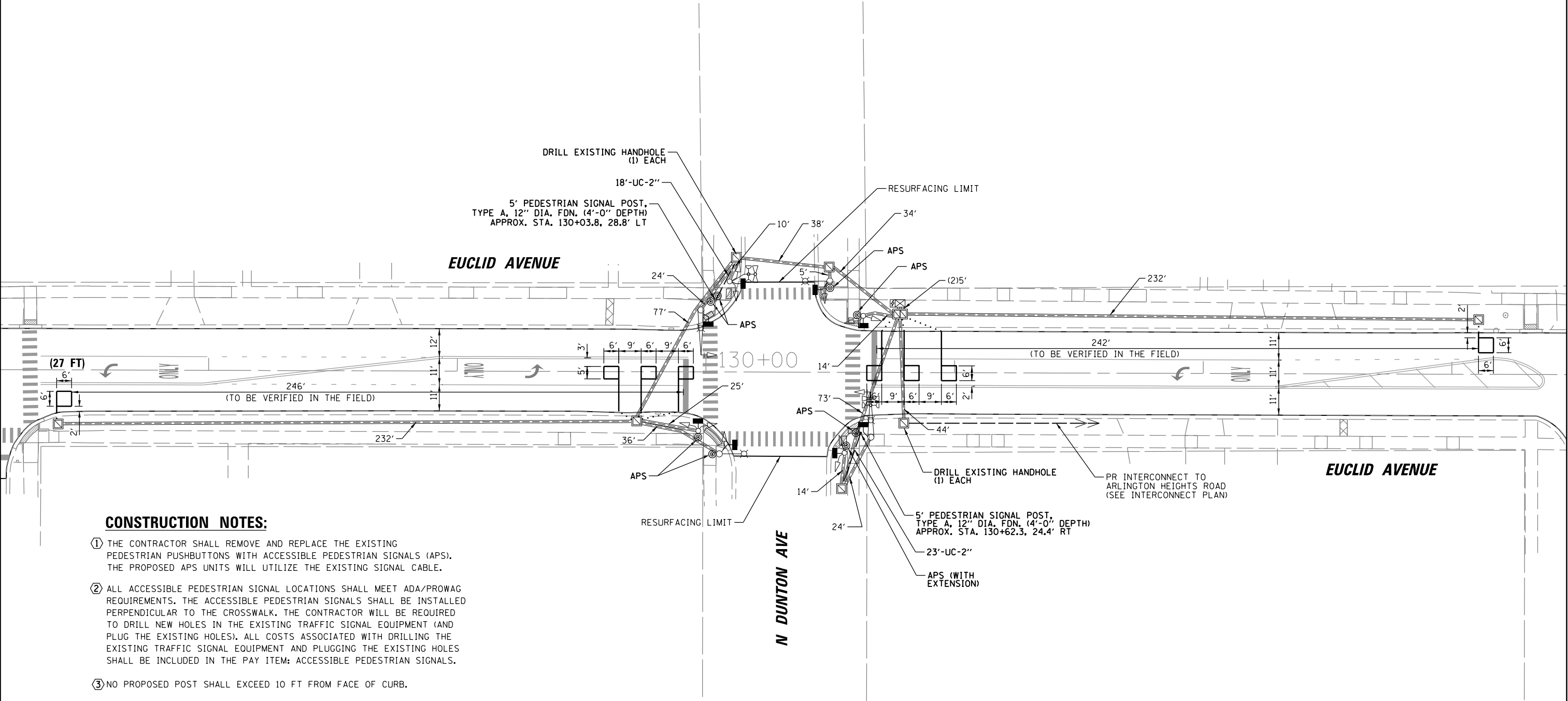
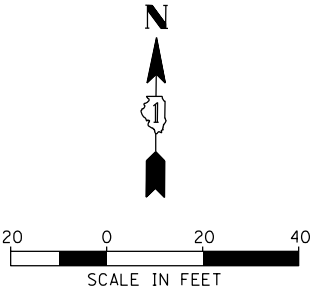
- 1 THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING PEDESTRIAN PUSHBUTTONS WITH ACCESSIBLE PEDESTRIAN SIGNALS (APS). THE PROPOSED APS UNITS WILL UTILIZE THE EXISTING SIGNAL CABLE.
- 2 ALL ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS. THE ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE INSTALLED PERPENDICULAR TO THE CROSSWALK. THE CONTRACTOR WILL BE REQUIRED TO DRILL NEW HOLES IN THE EXISTING TRAFFIC SIGNAL EQUIPMENT (AND PLUG THE EXISTING HOLES). ALL COSTS ASSOCIATED WITH DRILLING THE EXISTING TRAFFIC SIGNAL EQUIPMENT AND PLUGGING THE EXISTING HOLES SHALL BE INCLUDED IN THE PAY ITEM: ACCESSIBLE PEDESTRIAN SIGNALS.
- 3 NO PROPOSED POST SHALL EXCEED 10 FT FROM FACE OF CURB.
- 4 THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO ADA COMPLIANT.
- 5 ALL EXISTING TRAFFIC CABLE NO LONGER REQUIRED SHALL BE REMOVED.

FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE EUCLID AVENUE AND WALNUT AVENUE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Traffic\CAB	Euclid-Walnut.dgn	DRAWN - FPB	REVISED -					1292	23-00221-00-R5	COOK	106	67
	PLOT SCALE = 48"	CHECKED - EAJ	REVISED -		CONTRACT NO. 61L93			ILLINOIS FED. AID PROJECT				
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -		SCALE: N.T.S.	SHEET	OF SHEETS	STA.	TO STA.			

FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN EUCLID AVENUE AND DUNTON AVENUE	F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\Arlington Heights\240327\Traffic\REM	Euclid-Dunton.dgn	DRAWN - FPB	REVISED -			1292	23-00221-00-RS	COOK	106	68	
	PLOT SCALE = 40"	CHECKED - EAJ	REVISED -			CONTRACT NO. 61L9					
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -			SCALE: 1" = 40'	SHEET OF	SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

NOTES:

1. NO CONNECTION OF THE LEAD-IN CABLES SHALL BE MADE TO THE EXISTING CONTROLLER CABINET. THE CONTACTOR SHALL CONTACT SCOTT BELLANGER @ SBELLANGER@VAH.COM PRIOR TO THE CUTTING OF THE LOOPS TO ASSIST WITH LAYOUT AND DETAILS.
2. THE CONTRACTOR SHALL LOCATE THE EXISTING EUCLID AVE FAR BACK HANDHOLES WITHIN THE GRASSED PARKWAYS. CONTACT SCOTT BELLANGER FROM THE VILLAGE OF ARLINGTON HEIGHTS FOR ASSISTANCE.

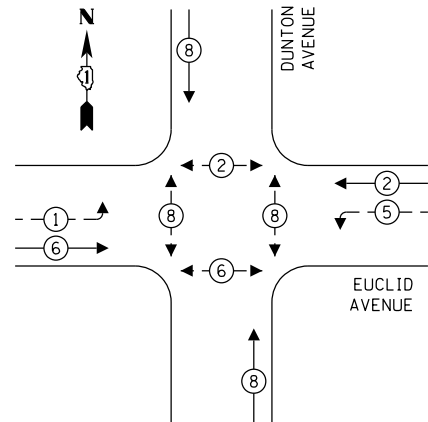


CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING PEDESTRIAN PUSHBUTTONS WITH ACCESSIBLE PEDESTRIAN SIGNALS (APS). THE PROPOSED APS UNITS WILL UTILIZE THE EXISTING SIGNAL CABLE.
- ② ALL ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS. THE ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE INSTALLED PERPENDICULAR TO THE CROSSWALK. THE CONTRACTOR WILL BE REQUIRED TO DRILL NEW HOLES IN THE EXISTING TRAFFIC SIGNAL EQUIPMENT (AND PLUG THE EXISTING HOLES). ALL COSTS ASSOCIATED WITH DRILLING THE EXISTING TRAFFIC SIGNAL EQUIPMENT AND PLUGGING THE EXISTING HOLES SHALL BE INCLUDED IN THE PAY ITEM: ACCESSIBLE PEDESTRIAN SIGNALS.
- ③ NO PROPOSED POST SHALL EXCEED 10 FT FROM FACE OF CURB.
- ④ THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO ADA COMPLIANT.
- ⑤ ALL EXISTING TRAFFIC CABLE NO LONGER REQUIRED SHALL BE REMOVED.

FILE NAME =		USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		TRAFFIC SIGNAL MODERNIZATION PLAN EUCLID AVENUE AND DUNTON AVENUE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Traffic\MOD		Euclid-Dunton.dgn	DRAWN - FPB	REVISED -					1292	23-00221-00-R5	COOK	106	69
PLOT SCALE = 40'			CHECKED - EAJ	REVISED -					CONTRACT NO. 61L93				
Default		PLOT DATE = 11/5/2025	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE: 1" = 40'		SHEET	OF	SHEETS	STA.	TO	STA.	

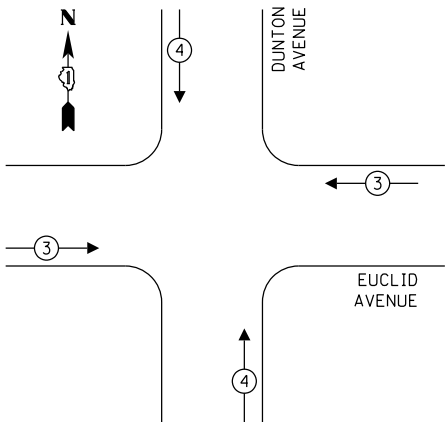
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	8	11	88
4-SECTION		14	0
5-SECTION	4	13	52
PROGRAMMABLE SIGNALS			
3-SECTION		22	0
4-SECTION		32	0
5-SECTION		28	0
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER		100	0
UPS	1	25	25
DETECTION RADAR		20	0
VIDEO		20	0
NETWORK SWITCH II OR III		25	0
BLANK-OUT SIGN		35	0
CELLULAR MODEM		15	0
TOTAL UPS SIZING			435
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER		15	0
LED STREET NAME SIGN		120	0
LUMINAIRE	4	240	960
PTZ CAMERA		75	0
TOTAL SERVICE WIRE SIZING			2000
ENERGY COSTS TO: VILLAGE OF ARLINGTON HEIGHTS 33 S. Arlington Heights Road Arlington Heights, Illinois 60005 ENERGY SUPPLY: CONTACT: _____ PHONE: _____ COMPANY: COMMONWEALTH EDISON ACCOUNT NUMBER: _____			

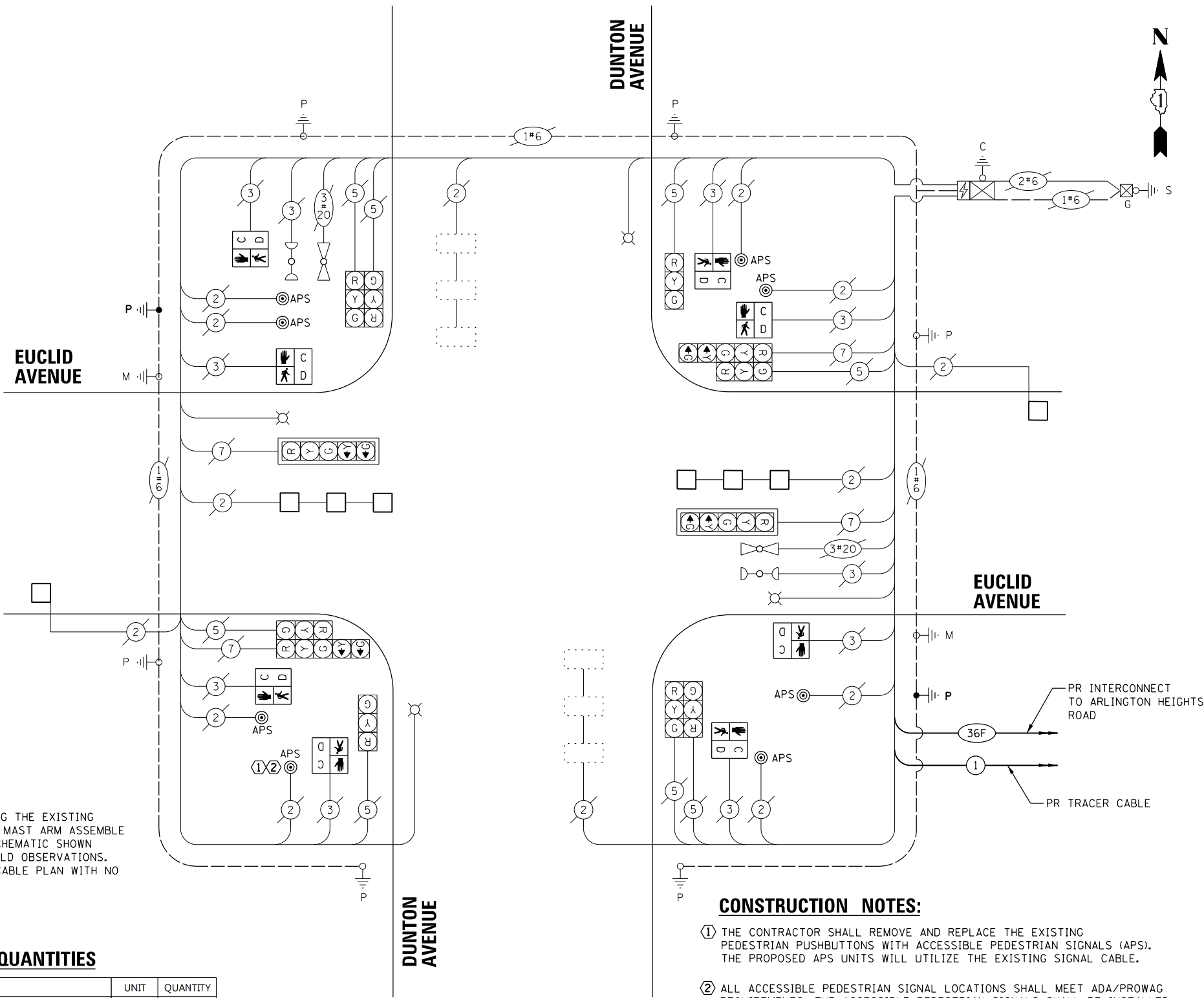
NOTE:

- THERE ARE NO EXISTING RECORD PLANS REGARDING THE EXISTING TRAFFIC SIGNAL INSTALLATION AND COMBINATION MASTER ARM ASSEMBLE POLES WITH THE LUMINAIRE HEADS. THUS, THE SCHEMATIC SHOWN ON THIS CABLE PLAN IS CONVEYED BASED ON FIELD OBSERVATIONS. LUMINAIRE HEADS ARE ONLY CONVEYED ON THIS CABLE PLAN WITH NO CONDUCTOR OR AWG INFORMATION.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	41
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
* ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	137
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	67
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	266
* REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	129
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	183
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* - NOMINAL PAY ITEM AND QUANTITY TO BE USED IF REQUIRED AND APPROVED BY THE ENGINEER.



CABLE PLAN
(NOT TO SCALE)

CONSTRUCTION NOTES:

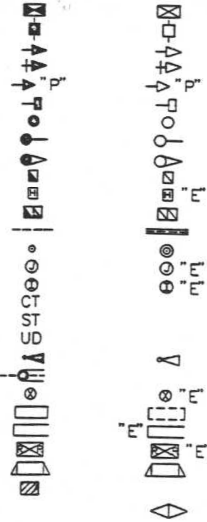
- THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING PEDESTRIAN PUSHBUTTONS WITH ACCESSIBLE PEDESTRIAN SIGNALS (APS). THE PROPOSED APS UNITS WILL UTILIZE THE EXISTING SIGNAL CABLE.
- ALL ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS. THE ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE INSTALLED PERPENDICULAR TO THE CROSSWALK. THE CONTRACTOR WILL BE REQUIRED TO DRILL NEW HOLES IN THE EXISTING TRAFFIC SIGNAL EQUIPMENT (AND PLUG THE EXISTING HOLES). ALL COSTS ASSOCIATED WITH DRILLING THE EXISTING TRAFFIC SIGNAL EQUIPMENT AND PLUGGING THE EXISTING HOLES SHALL BE INCLUDED IN THE PAY ITEM: ACCESSIBLE PEDESTRIAN SIGNALS.
- NO PROPOSED POST SHALL EXCEED 10 FT FROM FACE OF CURB.
- THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO ADA COMPLIANT.
- ALL EXISTING TRAFFIC CABLE NO LONGER REQUIRED SHALL BE REMOVED.

FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE EUCLID AVENUE AND DUNTON AVENUE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Traffic\CAB Euclid-Dunton.dgn		DRAWN - FPB	REVISED -		1292	23-00221-00-R5	COOK	106	70				
PLOT SCALE = 40'		CHECKED - EAJ	REVISED -		CONTRACT NO. 61L93								
PLOT DATE = 11/5/2025		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
Default					SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.						

TRAFFIC SIGNAL LEGEND

CONTROLLER
SERVICE INSTALLATION
SIGNAL HEAD
SIGNAL HEAD WITH BACKPLATE
SIGNAL HEAD OPTICALLY PROGRAMMED
SIGNAL HEAD, PEDESTRIAN
SIGNAL POST
MAST ARM ASSEMBLY AND POLE, STEEL
MAST ARM ASSEMBLY AND POLE, ALUMINUM
HANDHOLE
HEAVY DUTY HANDHOLE
DOUBLE HANDHOLE
G.S. CONDUIT IN TRENCH OR PUSHED
PEDESTRIAN PUSHBUTTON DETECTOR
CONCRETE JUNCTION BOX
CAST IRON JUNCTION BOX
COMMON TRENCH
SPECIAL TRENCH
UNIT DUCT
EMERGENCY VEHICLE SYSTEM DETECTOR
CONDUIT SPLICE
WOOD POLE
DETECTOR LOOP
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
RAILROAD CONTROL CABINET
SIDEWALK RAMPS
PUSH PITS
CONFIRMATION BEACON

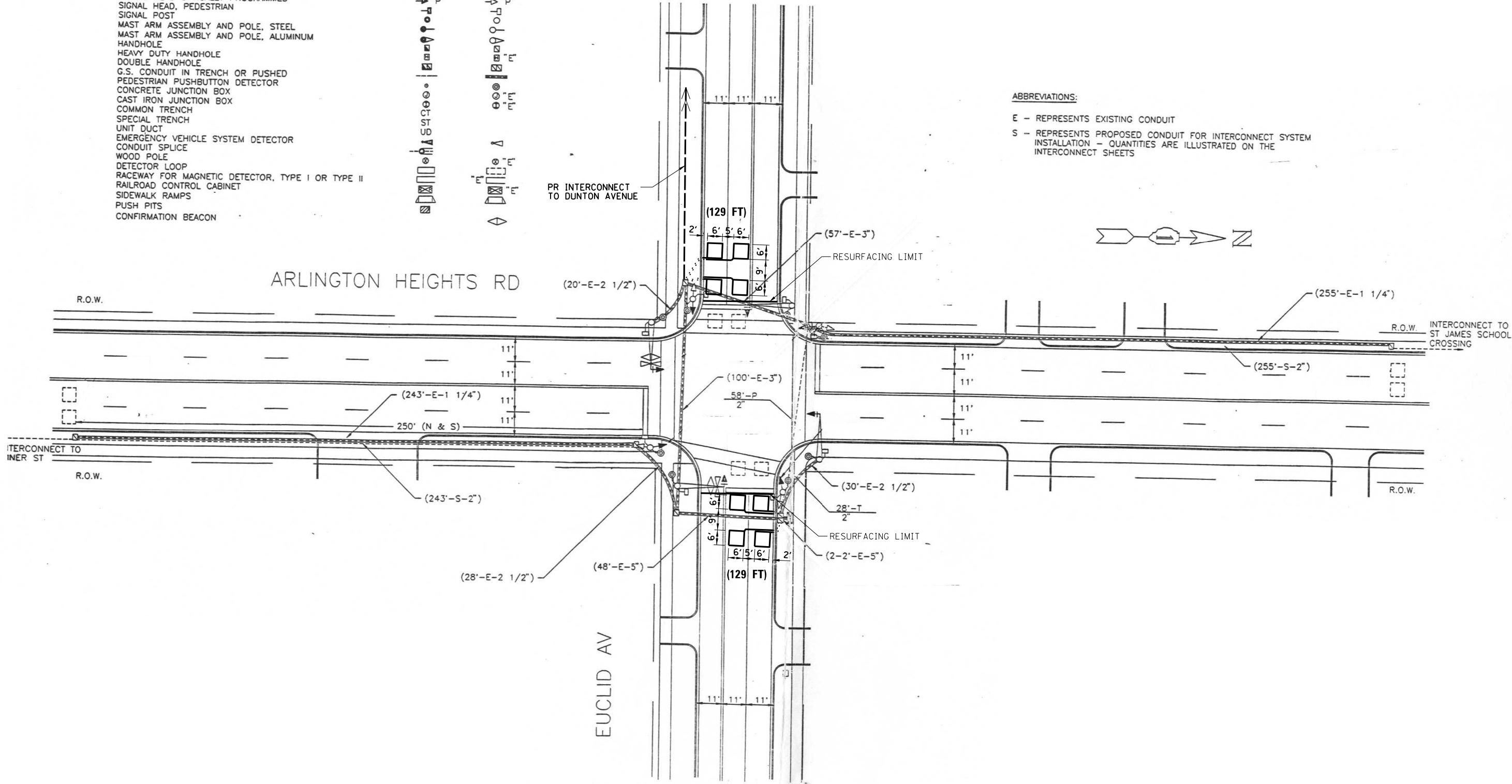
EXISTING



PR INTERCONNECT
TO DUNTON AVENUE

ABBREVIATIONS:

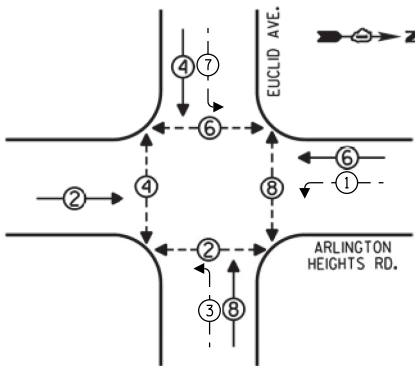
E - REPRESENTS EXISTING CONDUIT
S - REPRESENTS PROPOSED CONDUIT FOR INTERCONNECT SYSTEM
INSTALLATION - QUANTITIES ARE ILLUSTRATED ON THE
INTERCONNECT SHEETS



TS 12565
ECON 94

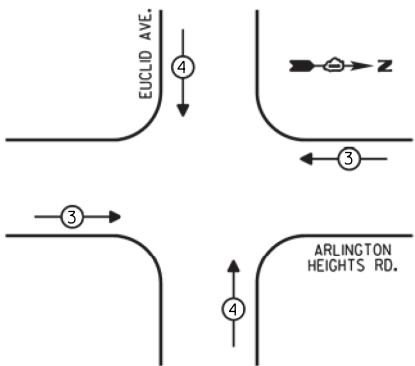
FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNAL MODERNIZATION EUCLID AVENUE AND ARLINGTON HEIGHTS ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Traffic\TS000	a.Arlington Hts.TS.dgn	DRAWN - FPB	REVISED -			1292	23-00221-00-R5	COOK	106	71
Default	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -			CONTRACT NO. 61L93				
	PLOT DATE = 11/5/2025	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
						SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.		

EXISTING AND PROPOSED
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

EXISTING AND PROPOSED
EMERGENCY VEHICLE
PREEMPTION SEQUENCE



LEGEND:

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

PROPOSED INTERCONNECT
TO DUNTON AVENUE

PROPOSED
TRACER CABLE

EXISTING TRACER CABLE

EXISTING INTERCONNECT
TO ST JAMES SCHOOL

THE TRAFFIC SIGNAL CONTROL
EQUIPMENT FOR THIS PROJECT
IS "ECONOLITE".

ARLINGTON HEIGHTS RD

INTERSECTION & SAMPLING
(SYSTEM) DETECTORS

EXISTING INTERCONNECT
TO MINER STREET

EXISTING TRACER CABLE

EUCLID AVE

CABLE PLAN

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE I	FOOT	258

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	6	11	66
4-SECTION		14	0
5-SECTION	6	13	78
PROGRAMMABLE SIGNALS			
3-SECTION		22	0
4-SECTION		32	0
5-SECTION		28	0
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	1	100	100
UPS	1	25	25
DETECTION RADAR		20	0
VIDEO		20	0
NETWORK SWITCH II OR III		25	0
BLANK-OUT SIGN		35	0
CELLULAR MODEM		15	0
TOTAL UPS SIZING			539
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER		15	0
LED STREET NAME SIGN		120	0
LUMINAIRE		240	0
PTZ CAMERA		75	0
TOTAL SERVICE WIRE SIZING			1144

ENERGY COSTS TO:

VILLAGE OF ARLINGTON HEIGHTS

33 SOUTH ARLINGTON HEIGHTS ROAD
ARLINGTON HEIGHTS, ILLINOIS 60005

ENERGY SUPPLY: CONTACT: DAVE SCHACHT
PHONE: (630) 431-2129
COMPANY: COMED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
EUCLID AVENUE AND ARLINGTON HEIGHTS ROAD

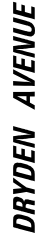
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	72
CONTRACT NO. 61L93				
ILLINOIS FED. AID PROJECT				

TS 12565
ECON 94

FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN EUCLID AVENUE AND DRYDEN AVENUE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Traffic\REM	Euclid-Dryden.dgn	DRAWN - FPB	REVISED -		1292	23-00221-00-RS	COOK	106	73				
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -		CONTRACT NO. 61L9								
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -		SCALE: 1" = 40'	SHEET OF	SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

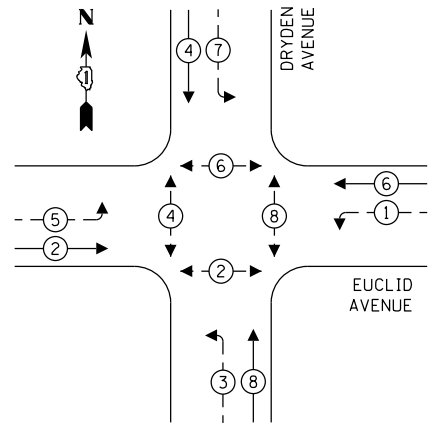
1. NO CONNECTION OF THE LEAD-IN CABLES SHALL BE MADE TO THE EXISTING CONTROLLER CABINET. THE CONTACTOR SHALL CONTACT SCOTT BELLANGER @ SBELLANGER@VAH.COM PRIOR TO THE CUTTING OF THE LOOPS TO ASSIST WITH LAYOUT AND DETAILS.



- ① THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING PEDESTRIAN PUSHBUTTONS WITH ACCESSIBLE PEDESTRIAN SIGNALS (APS). THE PROPOSED APS UNITS WILL UTILIZE THE EXISTING SIGNAL CABLE.
- ② ALL ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS. THE ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE INSTALLED PERPENDICULAR TO THE CROSSWALK. THE CONTRACTOR WILL BE REQUIRED TO DRILL NEW HOLES IN THE EXISTING TRAFFIC SIGNAL EQUIPMENT (AND PLUG THE EXISTING HOLES). ALL COSTS ASSOCIATED WITH DRILLING THE EXISTING TRAFFIC SIGNAL EQUIPMENT AND PLUGGING THE EXISTING HOLES SHALL BE INCLUDED IN THE PAY ITEM: ACCESSIBLE PEDESTRIAN SIGNALS.
- ③ NO PROPOSED POST SHALL EXCEED 10 FT FROM FACE OF CURB.
- ④ THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO ADA COMPLIANT.
- ⑤ ALL EXISTING TRAFFIC CABLE NO LONGER REQUIRED SHALL BE REMOVED.

FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODERNIZATION PLAN EUCLID AVENUE AND DRYDEN AVENUE					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Traffic\MOD	Euclid-Dryden.dgn	DRAWN - FPB	REVISED -							1292	23-00221-00-R5	COOK	106	74
	PLOT SCALE = 40'	CHECKED - EAJ	REVISED -		CONTRACT NO. 61L93									
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -		SCALE: 1" = 40'	SHEET	OF	SHEETS	STA.	TO	STA.			

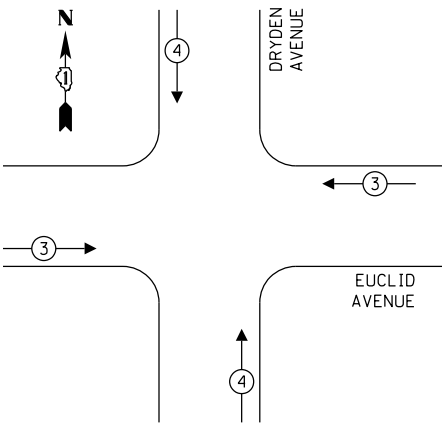
EXISTING CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3-SECTION	4	11	44
4-SECTION		14	0
5-SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3-SECTION		22	0
4-SECTION		32	0
5-SECTION		28	0
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER		100	0
UPS	1	25	25
DETECTION RADAR		20	0
VIDEO		20	0
NETWORK SWITCH II OR III		25	0
BLANK-OUT SIGN		35	0
CELLULAR MODEM		15	0
TOTAL UPS SIZING			443
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER		15	0
LED STREET NAME SIGN		120	0
LUMINAIRE	4	240	960
PTZ CAMERA		75	0
TOTAL SERVICE WIRE SIZING			2008
ENERGY COSTS TO: VILLAGE OF ARLINGTON HEIGHTS 33 S. Arlington Heights Road Arlington Heights, Illinois 60005 ENERGY SUPPLY: CONTACT: _____ PHONE: _____ COMPANY: COMMONWEALTH EDISON ACCOUNT NUMBER: _____			

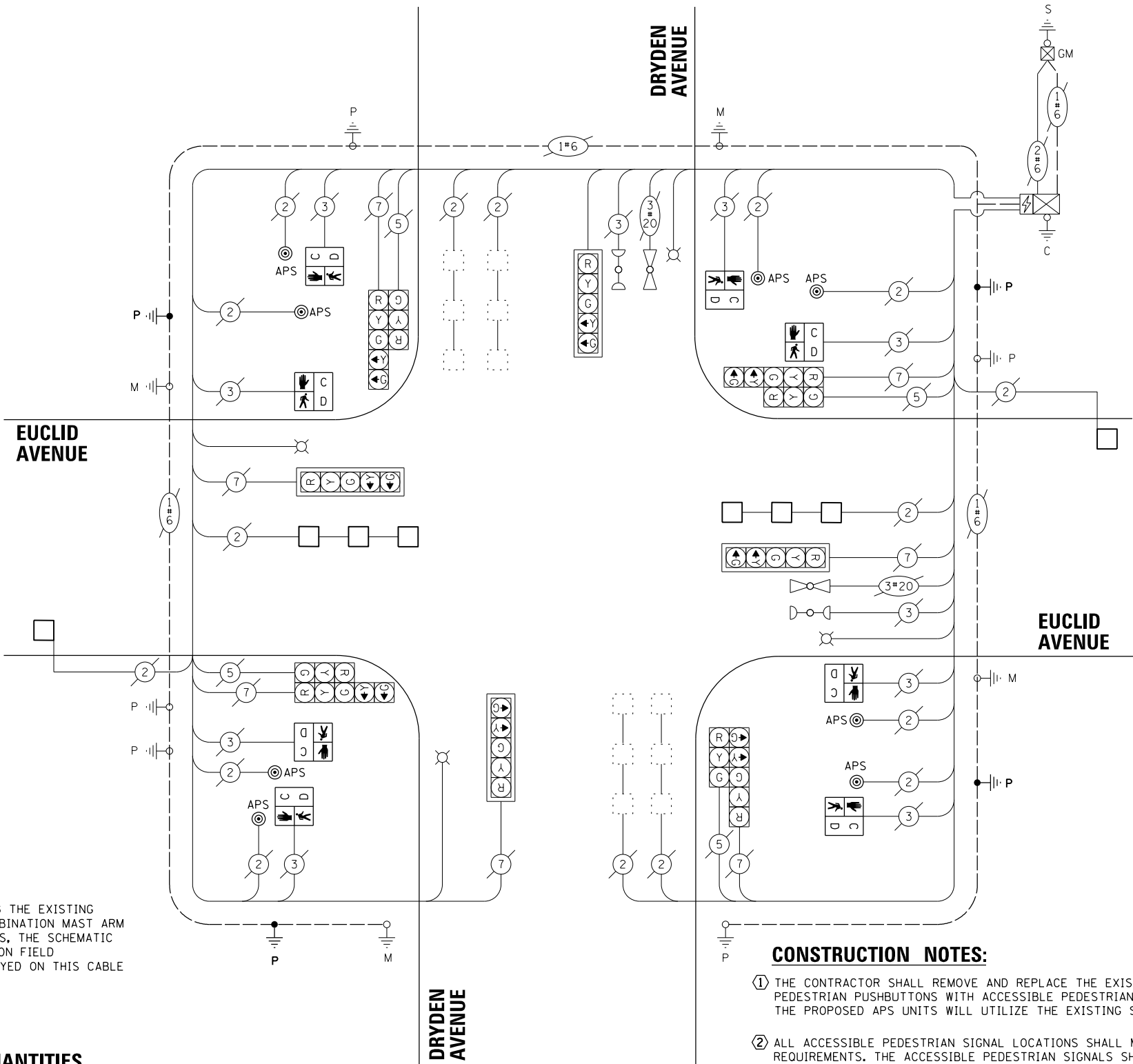
NOTE:

1. THERE ARE NO EXISTING RECORD PLANS REGARDING THE EXISTING PHASING, TRAFFIC SIGNAL INSTALLATION, AND COMBINATION MAST ARM ASSEMBLE POLES WITH THE LUMINAIRE HEADS. THUS, THE SCHEMATIC SHOWN ON THIS CABLE PLAN IS CONVEYED BASED ON FIELD OBSERVATIONS. LUMINAIRE HEADS ARE ONLY CONVEYED ON THIS CABLE PLAN WITH NO CONDUCTOR OR AWG INFORMATION.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	83
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	148
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	29'
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	285
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

CABLE PLAN
(NOT TO SCALE)



CONSTRUCTION NOTES:

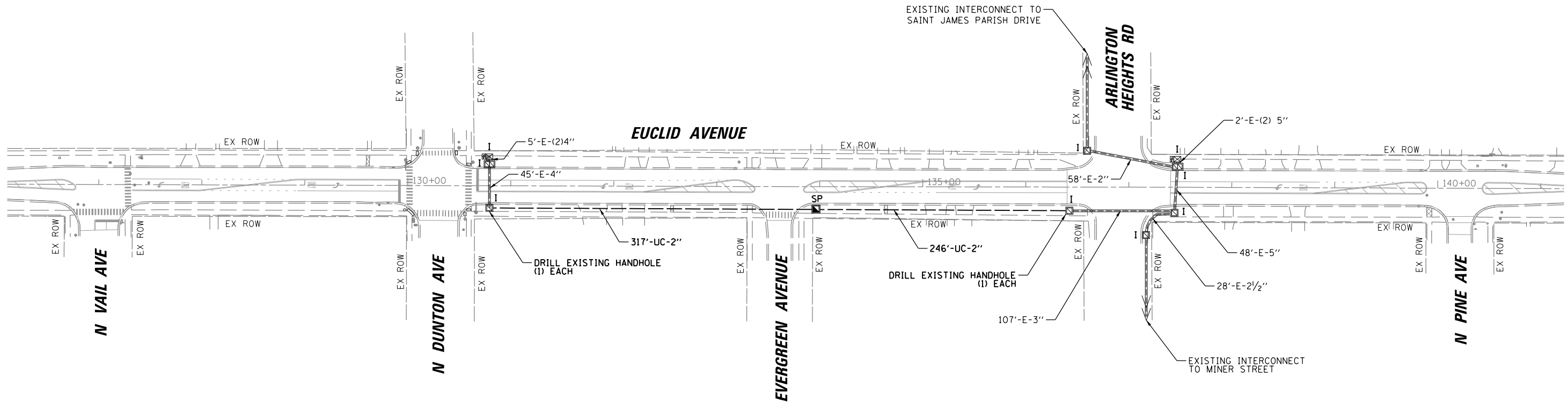
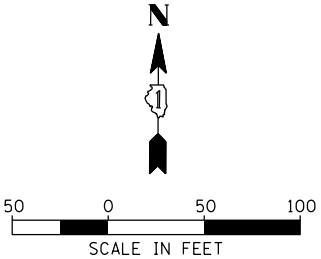
- ① THE CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING PEDESTRIAN PUSHBUTTONS WITH ACCESSIBLE PEDESTRIAN SIGNALS (APS). THE PROPOSED APS UNITS WILL UTILIZE THE EXISTING SIGNAL CABLE.
- ② ALL ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS. THE ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE INSTALLED PERPENDICULAR TO THE CROSSWALK. THE CONTRACTOR WILL BE REQUIRED TO DRILL NEW HOLES IN THE EXISTING TRAFFIC SIGNAL EQUIPMENT (AND PLUG THE EXISTING HOLES) AND INSTALL ACCESSIBLE PEDESTRIAN SIGNAL EXTENSIONS AT NOTED LOCATIONS (AND LOCATIONS DETERMINED BY THE ENGINEER) TO ENSURE PROPER PLACEMENT. ALL COSTS ASSOCIATED WITH DRILLING THE EXISTING TRAFFIC SIGNAL EQUIPMENT, PLUGGING THE EXISTING HOLES AND INSTALLING THE ACCESSIBLE PEDESTRIAN SIGNAL EXTENSIONS SHALL BE INCLUDED IN THE PAY ITEM: ACCESSIBLE PEDESTRIAN SIGNALS.
- ③ NO PROPOSED POST SHALL EXCEED 10 FT FROM FACE OF CURB.
- ④ THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO ADA COMPLIANT.
- ⑤ ALL EXISTING TRAFFIC CABLE NO LONGER REQUIRED SHALL BE REMOVED.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
EUCLID AVENUE AND DRYDEN AVENUE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	75
CONTRACT NO. 61L93				
ILLINOIS FED. AID PROJECT				



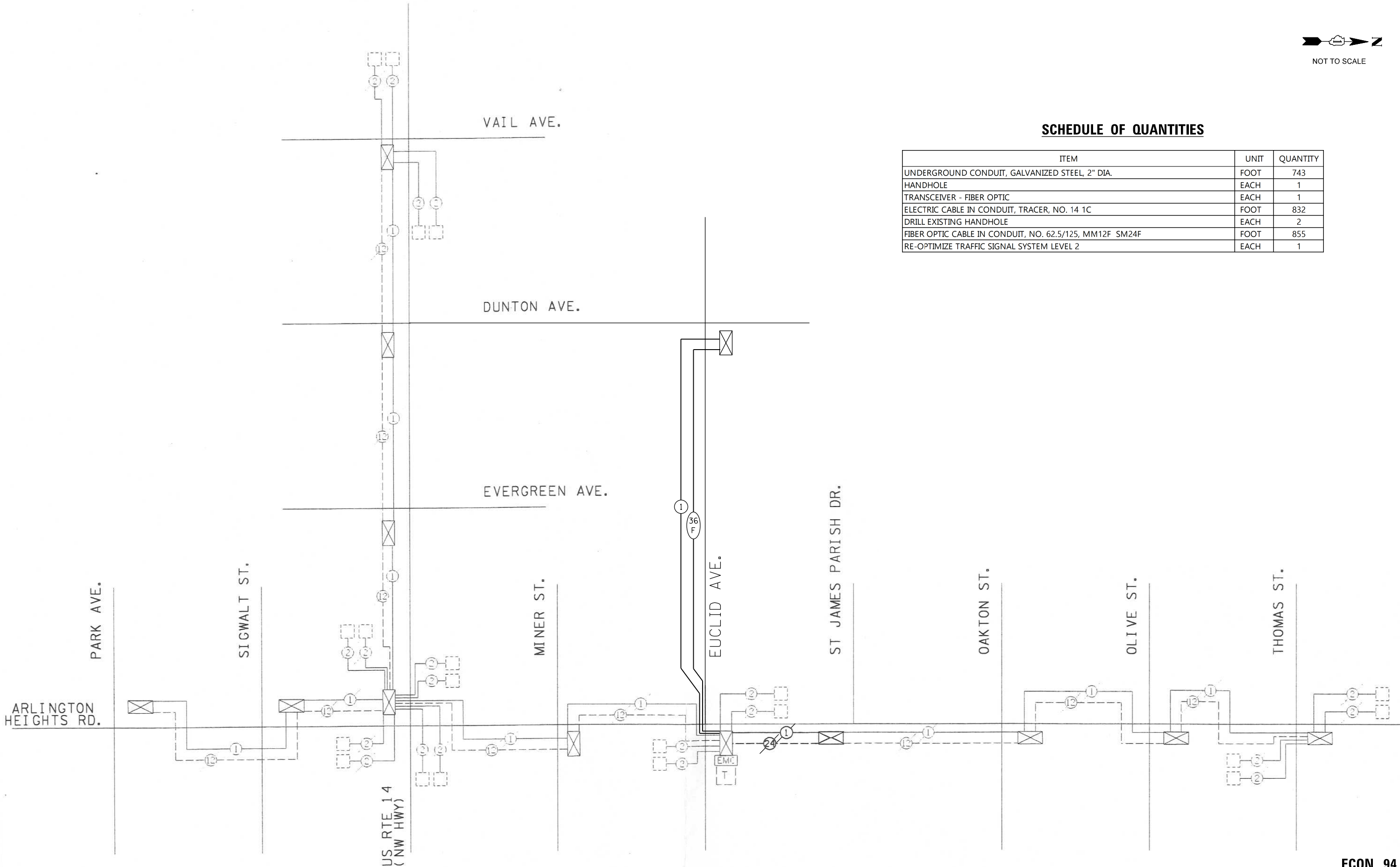
ECON 94

FILE NAME =	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN				F.A.U.	SECTION	COUNTY	TOTAL	SHEET
N:\Arlington Heights\240327\Traffic\INT.	EUCLID-240327.dgn	DRAWN - FPB	REVISED -		EUCLID AVENUE				RTE.			SHEETS	NO.
	PLOT SCALE = 100'	CHECKED - EAJ	REVISED -		FROM ARLINGTON HEIGHTS ROAD TO DUNTON AVENUE				1292	23-00221-00-R5	COOK	106	76
									CONTRACT NO. 61L93				
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -		SCALE: 1" = 100'				SHEET	OF	SHEETS	STA.	TO
									ILLINOIS FED. AID PROJECT				



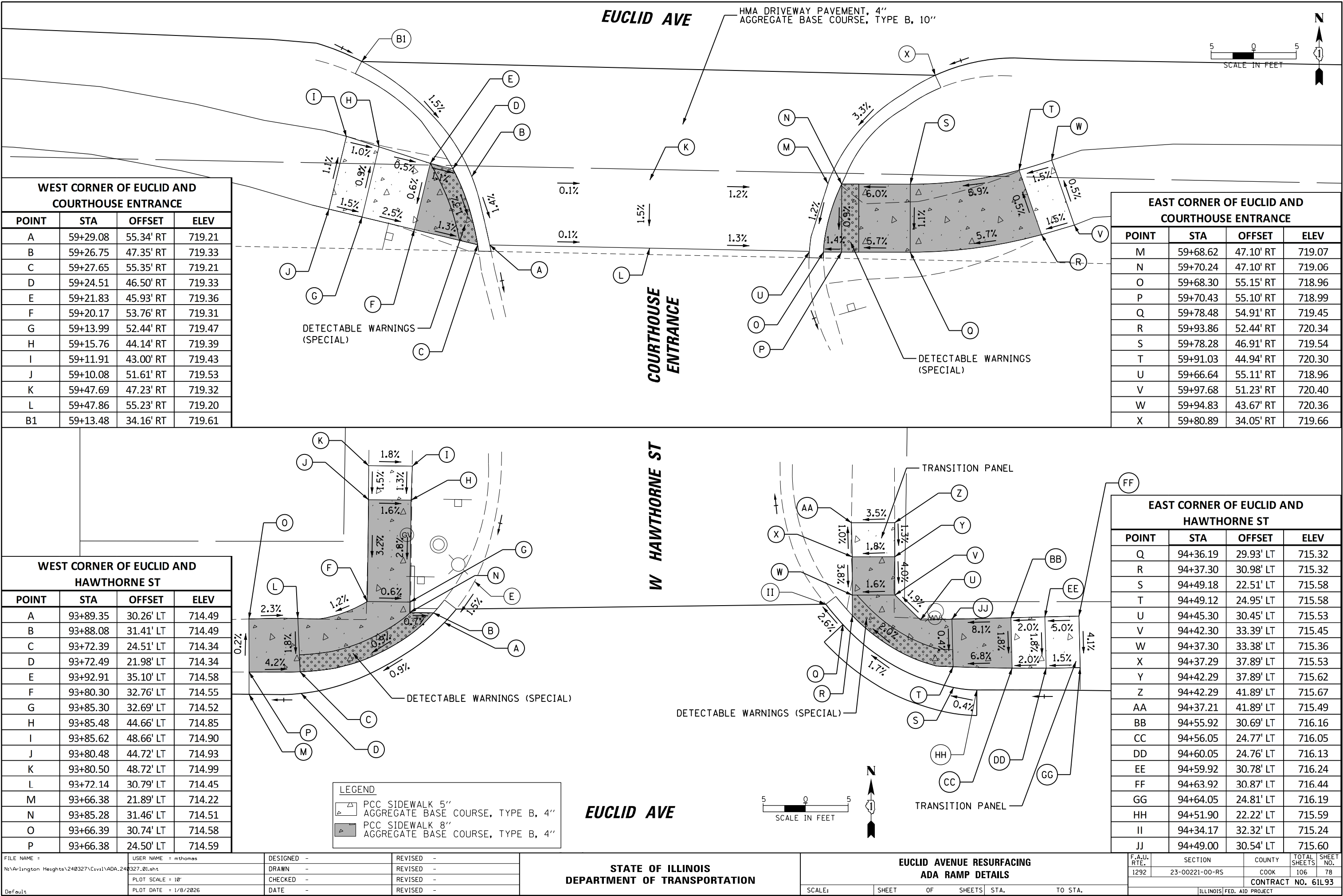
SCHEDULE OF QUANTITIES

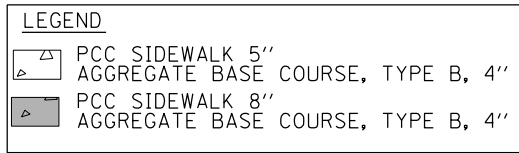
ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	743
HANDHOLE	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	832
DRILL EXISTING HANDHOLE	EACH	2
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	855
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1



ECON 94

FILE NAME :	USER NAME = mthomas	DESIGNED - BC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT SCHEMATIC EUCLID AVENUE FROM ARLINGTON HEIGHTS ROAD TO DUNTON AVENUE					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Traffic\SCH\Int.EUCLID-240327.dgn		DRAWN - FPB	REVISED -		1292	23-00221-00-R5	COOK	106	77					
	PLOT SCALE = 100'	CHECKED - EAJ	REVISED -							CONTRACT NO. 61L93				
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -		SCALE:	N.T.S.	SHEET	OF	SHEETS	STA.	TO	STA.		
														ILLINOIS FED. AID PROJECT



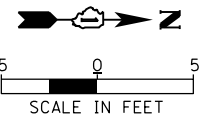


SW CORNER OF NEW WILKE RD AND EUCLID AVE			
POINT	STATION	OFFSET	ELEVATION
A	212+78.51	50.92' LT	716.91
B	212+84.89	50.79' LT	716.84
C	212+89.67	51.40' LT	716.76
D	212+89.67	49.65' LT	716.68
E	212+94.67	51.40' LT	716.65
F	212+94.65	49.65' LT	716.61
G	212+98.90	52.63' LT	716.31
H	212+98.90	49.65' LT	716.27
I	213+07.90	52.63' LT	716.25
J	213+09.15	51.91' LT	716.24
K	212+78.51	45.92' LT	716.86
L	212+83.73	45.92' LT	716.79
M	212+88.51	44.79' LT	716.63
N	212+91.18	44.15' LT	716.60
O	212+94.60	44.14' LT	716.56
P	212+98.90	45.22' LT	716.21
Q	212+99.90	41.53' LT	716.14
R	212+95.99	35.94' LT	716.07
S	212+99.90	38.18' LT	716.11
T	213+11.61	50.48' LT	716.28
U	213+13.77	54.85' LT	716.30

EUCLID AVE.

NEW WILKE RD.

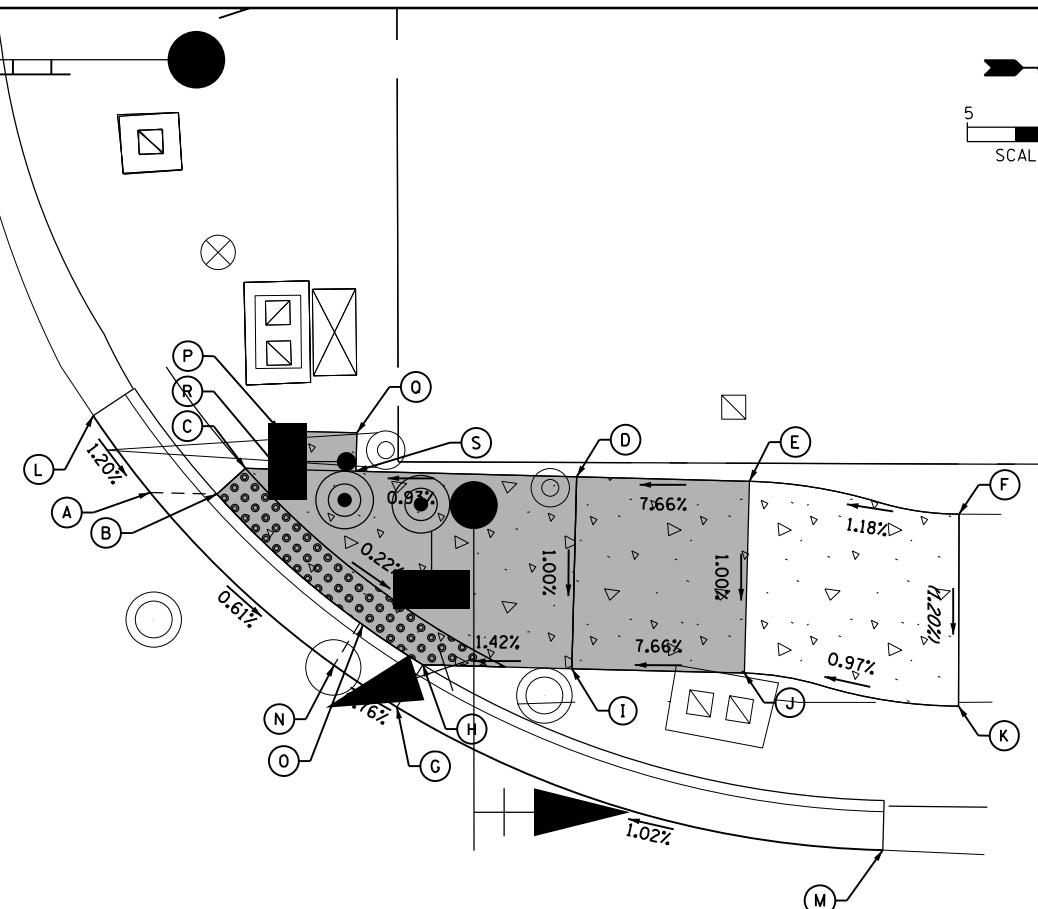
- NOTES:
1. ALL ACCESSIBLE PEDESTRIAN SIGNAL PUSH-BUTTON LOCATIONS MUST BE PARALLEL TO THE CROSSWALK.
 2. THE LOCATION OF THE ACCESSIBLE PEDESTRIAN PUSHBUTTON MUST BE PARALLEL TO THE CROSSWALK.
 3. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CCDOTH AT 312-603-1734.
 4. ALL ACCESSIBLE PEDESTRIAN PUSHBUTTON EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSHBUTTON. THE EXTENSION SHALL BE INCLUDED IN COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
 5. IF PEDESTRIAN PUSH BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
 6. ADDITIONAL SIDEWALK BEHIND THE TRAFFIC SIGNAL POST/POLE MAY BE NEEDED.
 7. ACCESSIBLE PEDESTRIAN SIGNAL SHALL BE COMPATIBLE WITH EXISTING TRAFFIC SIGNAL EQUIPMENT.
 8. ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE MOUNTED AT 36 INCHES



NW CORNER OF NEW WILKE RD AND EUCLID AVE			
POINT	STATION	OFFSET	ELEVATION
A	213+91.82	48.65' LT	716.40
B	213+95.30	48.58' LT	716.38
C	213+96.78	49.92' LT	716.40
D	214+14.04	49.54' LT	716.56
E	214+23.04	49.34' LT	717.25
F	214+33.97	47.67' LT	717.38
G	214+04.72	37.51' LT	716.39
H	214+06.05	39.72' LT	716.35
I	214+13.82	39.55' LT	716.46
J	214+22.82	39.35' LT	717.15
K	214+33.98	37.67' LT	717.26
L	213+88.84	52.64' LT	716.50
M	214+30.06	30.15' LT	716.66
N	214+01.43	39.68' LT	716.36
O	214+02.93	41.78' LT	716.36
P	213+98.58	51.88' LT	716.44
Q	214+02.58	51.80' LT	716.48
R	213+98.53	49.89' LT	716.42
S	214+02.53	49.80' LT	716.46

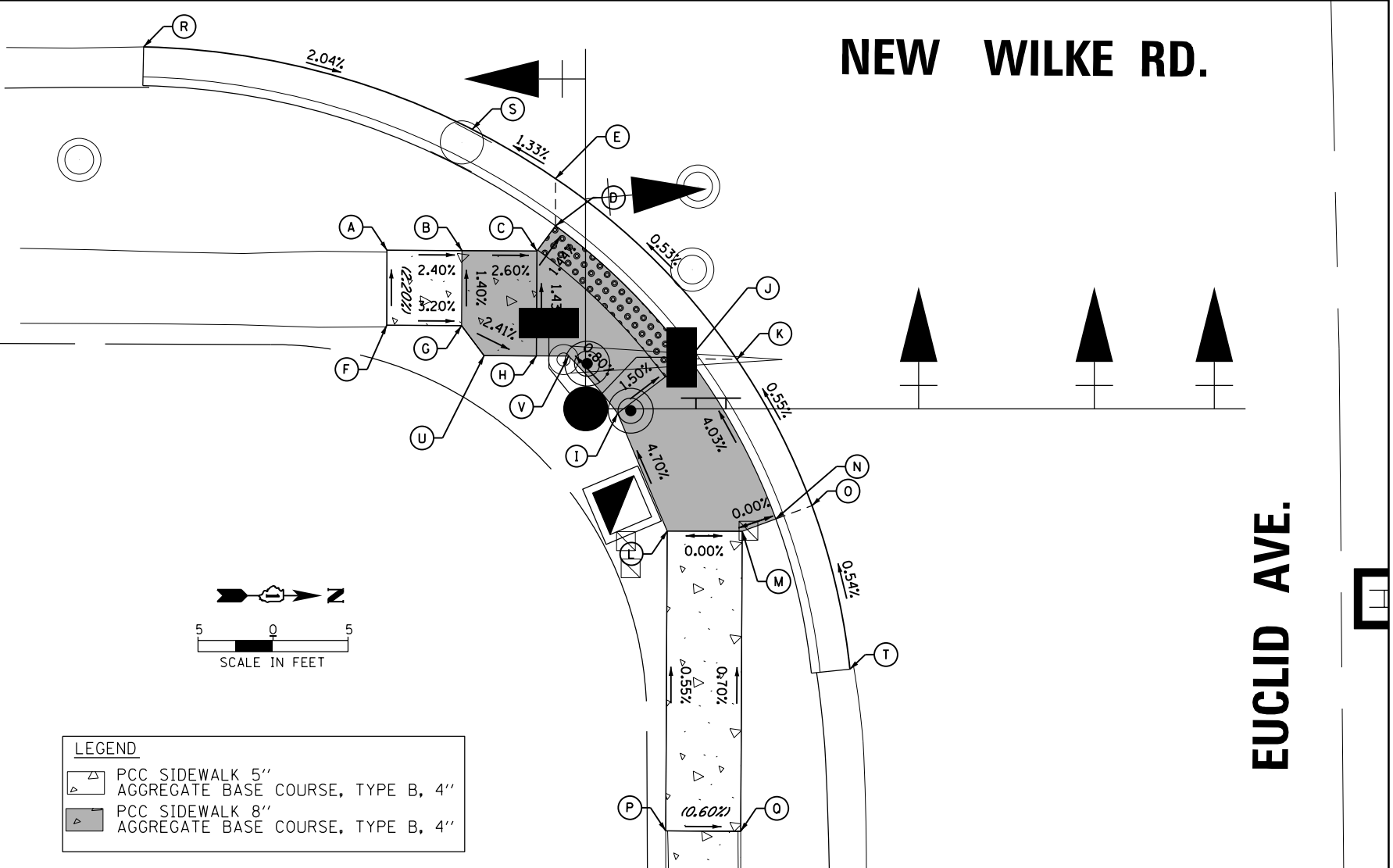
EUCLID AVE.

NEW WILKE RD.



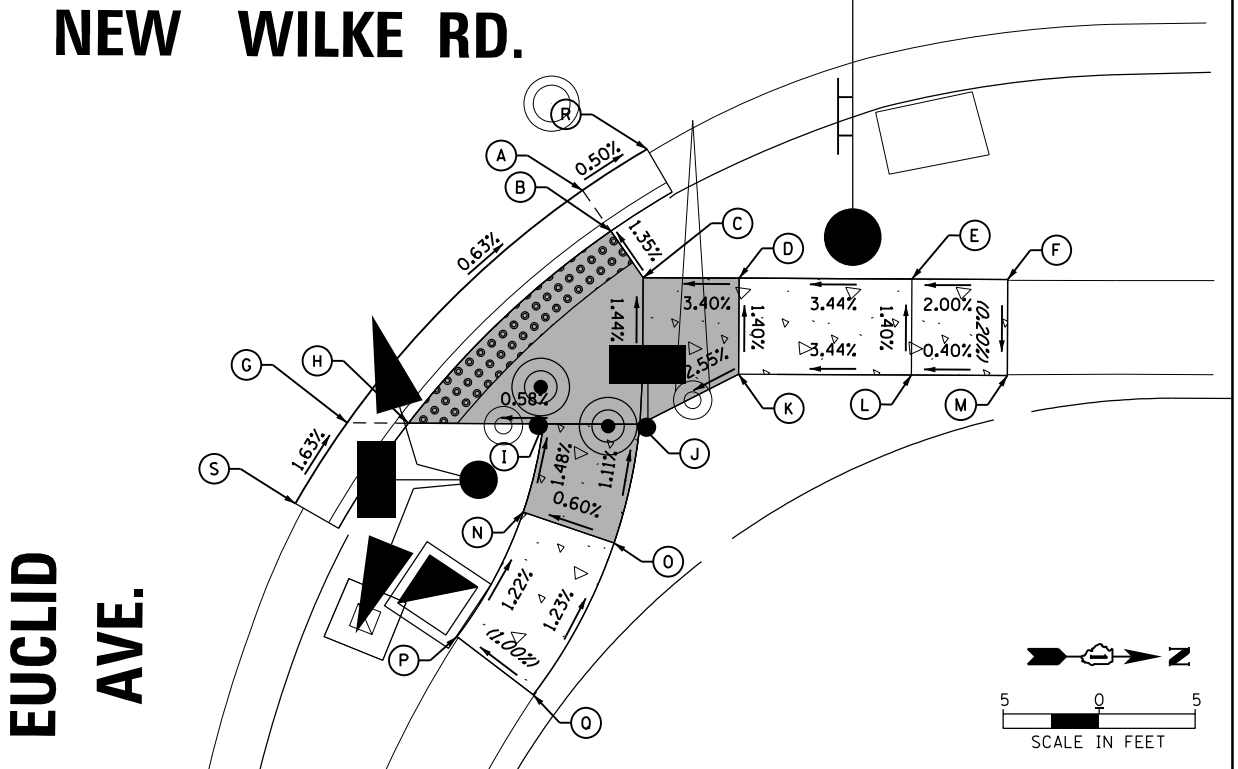
FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING ADA RAMP DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Civil\ADA.240327.1A.sht		DRAWN -	REVISED -						1292	23-00221-00-R5	COOK	106	79
	PLOT SCALE = 10'	CHECKED -	REVISED -						CONTRACT NO. 61L93				
Default	PLOT DATE = 11/5/2025	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			

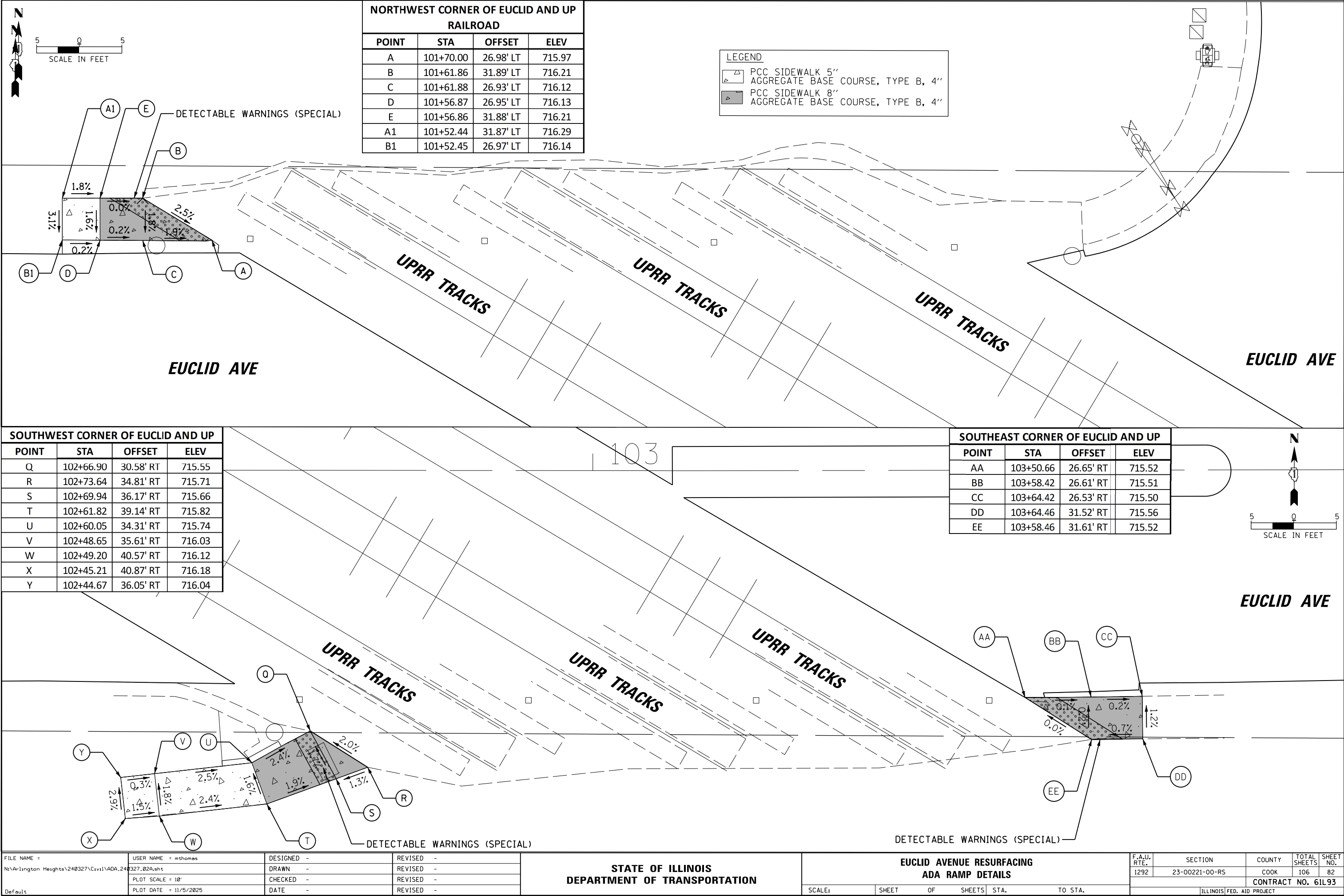
SE CORNER OF NEW WILKE RD AND EUCLID AVE			
POINT	STATION	OFFSET	ELEVATION
A	212+88.27	43.52' RT	716.17
B	212+93.27	43.51' RT	716.05
C	212+98.27	43.51' RT	715.92
D	212+99.49	41.83' RT	715.89
E	212+99.47	38.67' RT	715.92
F	212+88.27	48.52' RT	716.28
G	212+93.27	48.51' RT	716.12
H	212+98.27	50.51' RT	716.02
I	213+03.71	54.30' RT	716.05
J	213+08.46	50.63' RT	715.96
K	213+11.64	50.65' RT	716.01
L	213+07.07	62.12' RT	716.45
M	213+12.07	62.12' RT	716.45
N	213+14.30	61.28' RT	716.45
O	213+16.71	60.38' RT	716.07
P	213+07.09	82.12' RT	716.56
Q	213+12.09	82.12' RT	716.59
R	212+71.96	30.06' RT	716.29
S	212+93.65	35.40' RT	715.84
T	213+19.30	71.26' RT	716.13
U	212+94.78	50.51' RT	716.10
V	213+00.42	50.50' RT	716.01



- NOTES:
1. ALL ACCESSIBLE PEDESTRIAN SIGNAL PUSH-BUTTON LOCATIONS MUST BE PARALLEL TO THE CROSSWALK.
 2. THE LOCATION OF THE ACCESSIBLE PEDESTRIAN PUSHBUTTON MUST BE PARALLEL TO THE CROSSWALK.
 3. COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CCDOTH AT 312-603-1734.
 4. ALL ACCESSIBLE PEDESTRIAN PUSHBUTTON EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSHBUTTON. THE EXTENSION SHALL BE INCLUDED IN COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
 5. IF PEDESTRIAN PUSH BUTTONS ARE CHANGED DUE TO ADA/PROWAG REQUIREMENTS, THE EXISTING HOLES IN THE POST AND/OR MAST ARM POLE SHALL BE PLUGGED. THIS SHALL BE INCLUDED IN COST OF THE PAY ITEM "ACCESSIBLE PEDESTRIAN SIGNAL".
 6. ADDITIONAL SIDEWALK BEHIND THE TRAFFIC SIGNAL POST/POLE MAY BE NEEDED.
 7. ACCESSIBLE PEDESTRIAN SIGNAL SHALL BE COMPATIBLE WITH EXISTING TRAFFIC SIGNAL EQUIPMENT.
 8. ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE MOUNTED AT 36 INCHES

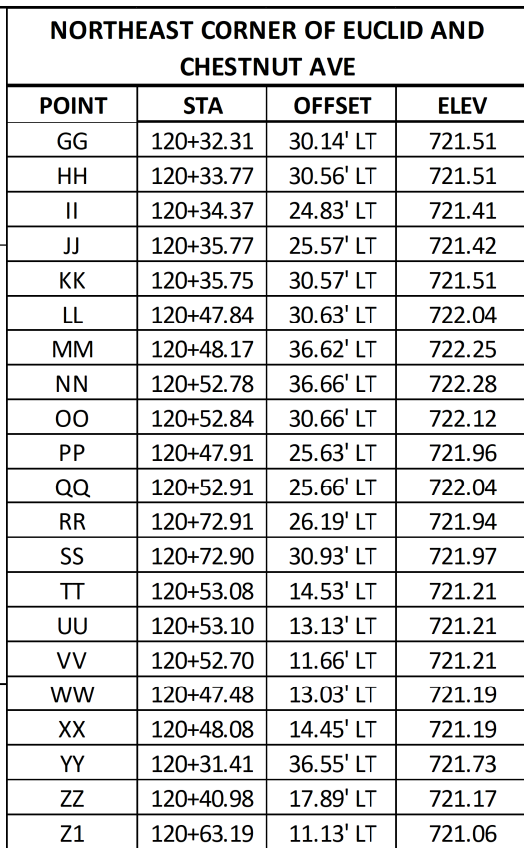
NE CORNER OF NEW WILKE RD AND EUCLID AVE			
POINT	STATION	OFFSET	ELEVATION
A	214+04.64	39.00' RT	716.39
B	214+06.12	41.11' RT	716.35
C	214+07.81	43.54' RT	716.39
D	214+12.81	43.55' RT	716.56
E	214+21.81	43.56' RT	716.87
F	214+26.81	43.57' RT	716.97
G	213+92.24	51.15' RT	716.50
H	213+95.62	51.16' RT	716.43
I	214+02.65	51.17' RT	716.47
J	214+07.67	51.18' RT	716.50
K	214+12.81	48.55' RT	716.63
L	214+21.81	48.56' RT	716.94
M	214+26.81	48.57' RT	716.96
N	214+01.61	55.77' RT	716.54
O	214+06.35	57.36' RT	716.57
P	213+98.18	62.28' RT	716.63
Q	214+02.17	65.29' RT	716.68
R	214+08.00	36.85' RT	716.37
S	213+89.74	55.38' RT	716.58



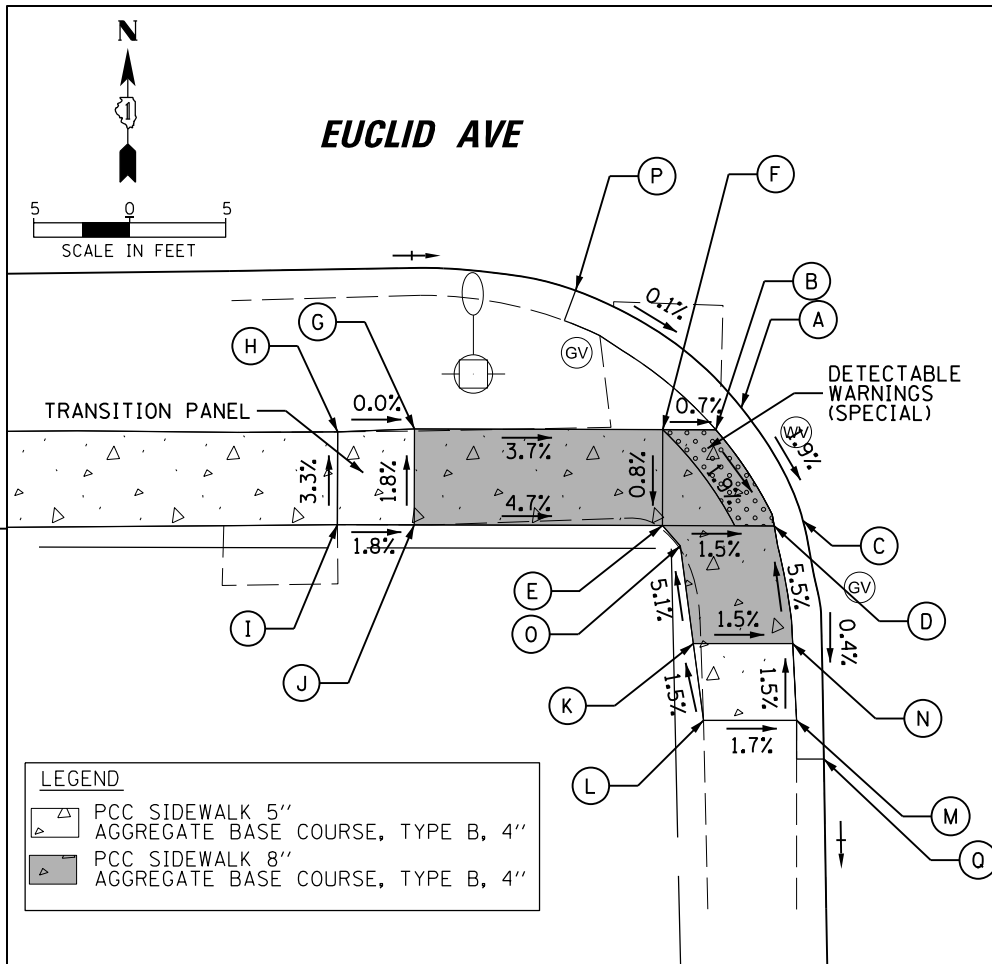


This plan view illustrates the proposed drainage and detectable warnings for the intersection of N Chestnut Ave and an unnamed street. The intersection is marked with a central square area labeled 'DETECTABLE WARNINGS (TYP)'. The drainage system is indicated by arrows and percentages, showing flow directions and slopes. Key features include:

- Streets:** N CHESTNUT AVE (vertical) and an unnamed street (horizontal).
- Drainage:** Arrows indicate flow directions with associated slopes (e.g., 1.1%, 3.0%, 2.3%, 1.6%, 4.6%, 5.6%, 5.4%, 1.6%, 6.8%, 2.0%, 1.9%, 2.0%, 0.7%, 1.4%, 0.6%, 1.4%, 2.5%, 1.0%, 2.0%).
- Labels:** Various letters (X, Y, Z, BB, AA, EE, FF, DD, CC, OO, PP, QQ, RR, SS, TT, UU, VV, WW) and numbers (01, 02, 03) are placed around the intersection, likely corresponding to specific drainage areas or survey points.
- Scale:** A scale bar indicates 5 feet.



WEST CORNER OF EUCLID AND RIDGE AVE			
POINT	STA	OFFSET	ELEV
A	110+54.63	27.40 LFT	716.34



N RIDGE AVE

NORTHWEST CORNER OF EUCLID AND WALNUT AVE			
POINT	STA	OFFSET	ELEV
A	114+13.86	21.32' LT	713.71
B	114+24.09	29.97' LT	713.79
C	114+13.86	19.85' LT	713.71
D	114+26.01	29.97' LT	713.79
E	114+13.86	25.47' LT	713.77
F	114+12.86	25.49' LT	713.78
G	114+08.92	25.56' LT	713.96
H	114+02.92	25.65' LT	714.17
I	114+02.93	29.96' LT	714.30
J	114+08.93	29.96' LT	714.03
K	114+12.86	29.97' LT	713.85
L	114+13.86	30.97' LT	713.86
M	114+13.96	35.97' LT	714.10
N	114+14.01	39.97' LT	714.29
O	114+18.50	39.97' LT	714.16
P	114+18.49	35.97' LT	714.03
Q	114+18.49	30.97' LT	713.88
R	114+18.49	29.97' LT	713.88

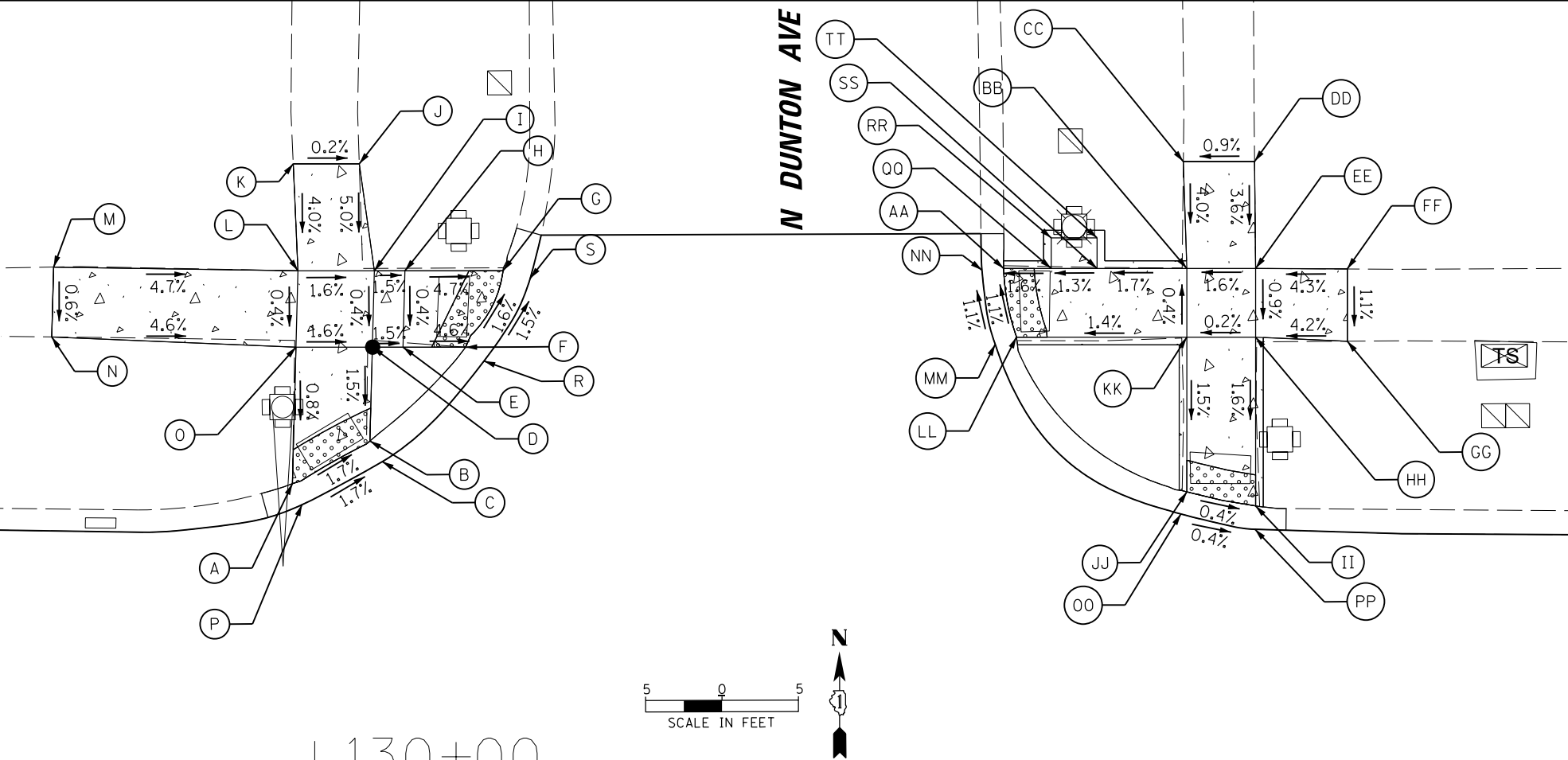
SOUTHWEST CORNER OF EUCLID AND WALNUT AVE			
POINT	STA	OFFSET	ELEV
A1	114+11.40	21.96' RT	713.47
B1	114+11.10	30.96' RT	713.47
C1	114+15.47	30.76' RT	713.47
D1	114+21.81	30.50' RT	713.39
E1	114+11.05	40.99' RT	714.14
F1	114+15.65	40.91' RT	714.12
G1	114+11.14	45.34' RT	714.21
H1	114+15.89	45.31' RT	714.21
I1	114+11.09	32.97' RT	713.50
J1	114+15.56	32.76' RT	713.50
K1	114+18.06	32.78' RT	713.47
L1	114+17.97	30.74' RT	713.44

NORTHEAST CORNER OF EUCLID AND WALNUT AVE			
POINT	STA	OFFSET	ELEV
AA	114+69.26	29.67' LT	713.81
BB	114+73.27	29.70' LT	713.87
CC	114+73.64	44.70' LT	714.76
DD	114+78.25	44.74' LT	714.80
EE	114+78.29	29.74' LT	713.94
FF	114+93.42	30.07' LT	715.03
GG	114+93.45	25.48' LT	714.91
HH	114+78.44	25.46' LT	713.87
II	114+78.57	21.93' LT	713.82
JJ	114+77.65	20.32' LT	713.82
KK	114+67.75	28.65' LT	713.81

SOUTHEAST CORNER OF EUCLID AND WALNUT AVE			
POINT	STA	OFFSET	ELEV
A2	114+71.71	29.57' RT	713.58
B2	114+71.71	34.34' RT	713.65
C2	114+73.40	43.58' RT	714.07
D2	114+78.31	43.60' RT	714.12
E2	114+77.70	34.37' RT	713.74
F2	114+77.57	29.11' RT	713.68
G2	114+82.27	29.03' RT	713.76
H2	115+00.34	29.54' RT	714.78
I2	115+00.33	25.18' RT	714.72
J2	114+82.27	24.11' RT	713.82
K2	114+78.33	23.49' RT	713.76
L2	114+77.51	22.32' RT	713.76
M2	114+70.36	28.59' RT	713.58

NORTHWEST CORNER OF EUCLID AND DUNTON AVE			
POINT	STA	OFFSET	ELEV
A	129+98.54	19.86' LT	712.93
B	130+03.62	22.64' LT	712.83
C	130+04.43	21.30' LT	712.83
D	130+03.78	28.80' LT	712.92
E	130+05.78	28.80' LT	712.89
F	130+09.89	28.80' LT	712.70
G	130+12.33	33.80' LT	712.61
H	130+05.92	33.80' LT	712.91
I	130+03.92	33.80' LT	712.94
J	130+02.93	40.80' LT	713.29
K	129+98.61	40.80' LT	713.30
L	129+98.91	33.80' LT	713.02
M	129+82.92	34.03' LT	713.77
N	129+82.79	29.46' LT	713.74
O	129+98.78	28.80' LT	713.00
P	129+99.18	18.48' LT	712.93
Q	130+11.08	27.88' LT	712.70
R	130+14.10	33.29' LT	712.61

SOUTHWEST CORNER OF EUCLID AND DUNTON AVE			
POINT	STA	OFFSET	ELEV
A1	129+99.10	20.79' RT	712.80
B1	129+99.10	24.76' RT	712.86
C1	129+80.10	24.83' RT	713.62
D1	129+80.10	29.37' RT	713.69
E1	129+99.10	29.44' RT	712.91
F1	129+99.14	33.55' RT	712.97
G1	130+04.17	33.57' RT	712.89
H1	130+04.10	29.57' RT	712.83
I1	130+07.75	29.67' RT	712.77
J1	130+09.08	28.93' RT	712.77
K1	129+99.98	19.35' RT	712.80
L1	129+99.18	37.55' RT	713.13
M1	130+04.15	37.57' RT	713.07
N1	129+95.10	24.77' RT	712.92
O1	129+95.10	29.38' RT	712.98



NORTHEAST CORNER OF EUCLID AND DUNTON AVE			
POINT	STA	OFFSET	ELEV
AA	130+45.10	33.95' LT	712.50
BB	130+57.10	33.95' LT	712.69
CC	130+56.86	40.95' LT	712.97
DD	130+61.53	40.95' LT	713.01
EE	130+61.60	33.95' LT	712.76
FF	130+67.60	33.91' LT	713.02
GG	130+67.60	29.18' LT	712.97
HH	130+61.60	29.45' LT	712.72
II	130+61.60	18.40' LT	712.54
JJ	130+57.10	19.32' LT	712.56
KK	130+57.10	29.45' LT	712.71
LL	130+45.94	29.45' LT	712.55
MM	130+44.55	28.97' LT	712.55
NN	130+43.68	33.84' LT	712.50
OO	130+56.70	17.87' LT	712.56
PP	130+61.55	16.87' LT	712.54
QQ	130+48.22	33.95' LT	712.55
RR	130+48.22	35.95' LT	712.58
SS	130+51.22	33.95' LT	712.59
TT	130+51.22	35.95' LT	712.62

LEGEND

- PCC SIDEWALK 5" AGGREGATE BASE COURSE, TYPE B, 4"
- PCC SIDEWALK 8" AGGREGATE BASE COURSE, TYPE B, 4"

FILE NAME =	USER NAME = mthomas	DESIGNED -	REVISED -
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	PLOT DATE = 11/5/2025	DATE -	REVISED -

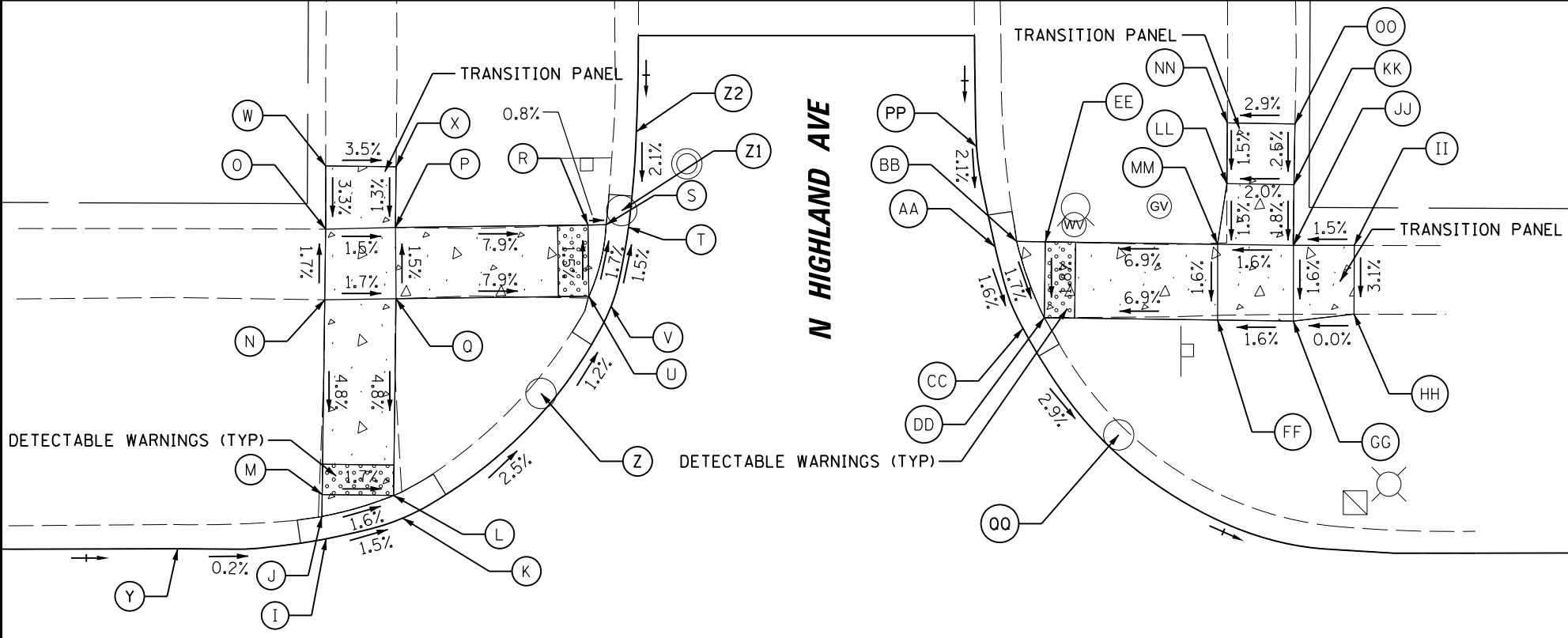
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EUCLID AVENUE RESURFACING
ADA AMP DETAILS

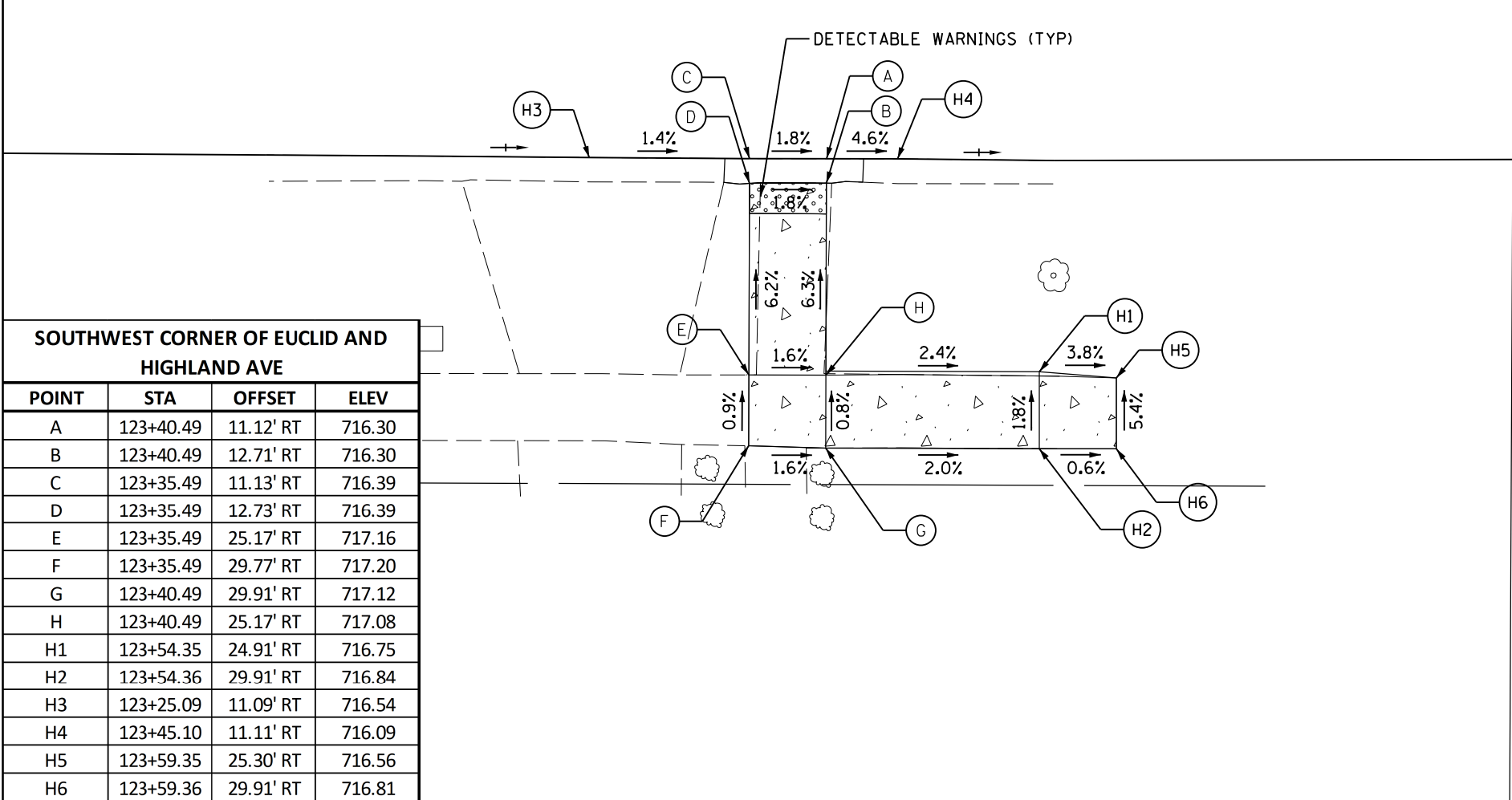
SCALE: SHEET OF SHEETS STA. TO STA.

SOUTHEAST CORNER OF EUCLID AND DUNTON AVE			
POINT	STA	OFFSET	ELEV
A2	130+51.21	30.56' RT	712.24
B2	130+57.06	30.56' RT	712.33
C2	130+57.07	36.56' RT	712.56
D2	130+61.74	36.56' RT	712.53
E2	130+61.81	29.56' RT	712.41
F2	130+71.81	29.57' RT	712.86
G2	130+71.81	24.83' RT	712.71
H2	130+61.81	24.86' RT	712.38
I2	130+61.81	19.66' RT	712.34
J2	130+61.35	18.24' RT	712.34
K2	130+49.59	29.85' RT	712.24
L2	130+65.81	29.56' RT	712.59
M2	130+65.81	24.85' RT	712.51
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
1292	23-00221-00-R5	COOK	106
			85
CONTRACT NO. 61L93			
ILLINOIS FED. AID PROJECT			

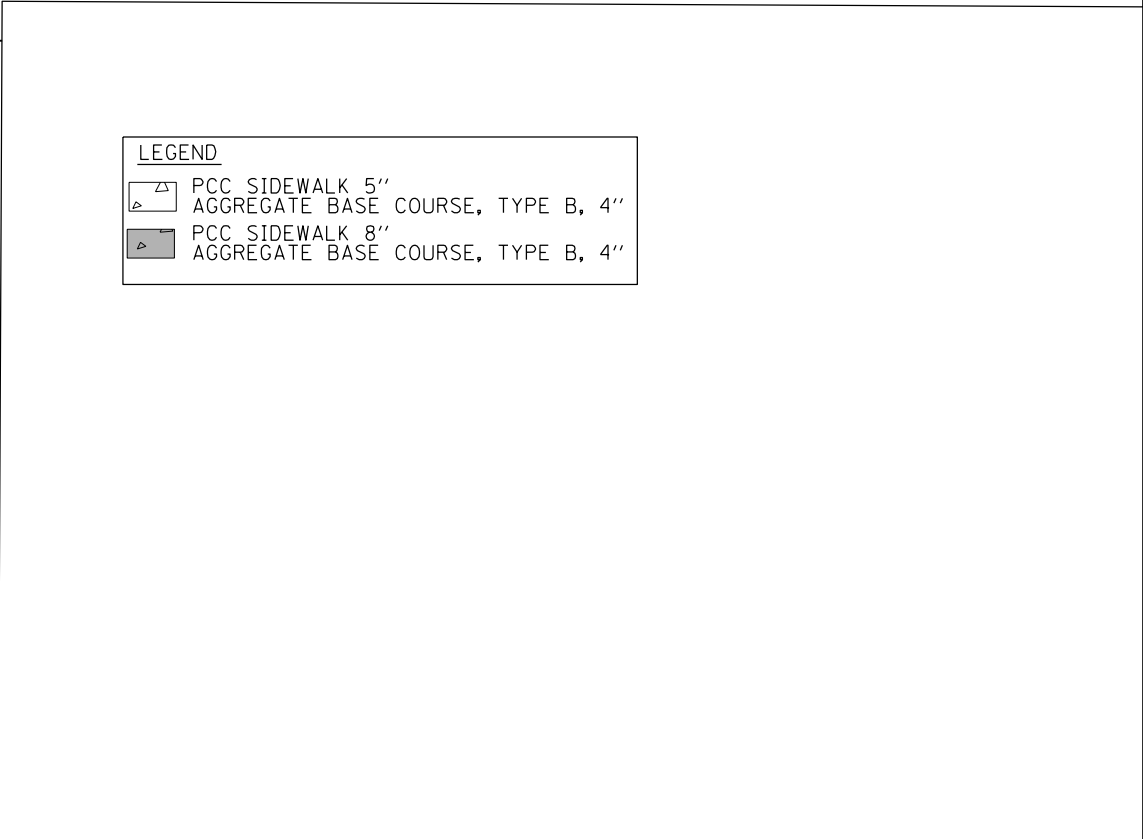
NORTHWEST CORNER OF EUCLID AND HIGHLAND AVE			
POINT	STA	OFFSET	ELEV
I	123+35.40	11.65' LT	716.27
J	123+35.13	13.12' LT	716.27
K	123+40.45	13.03' LT	716.19
L	123+39.84	14.52' LT	716.19
M	123+35.14	14.56' LT	716.27
N	123+35.27	27.40' LT	716.89
O	123+35.31	32.05' LT	716.81
P	123+39.91	32.18' LT	716.74
Q	123+39.97	27.48' LT	716.81
R	123+52.60	32.38' LT	715.74
S	123+53.79	32.40' LT	715.73
T	123+55.27	32.23' LT	715.72
U	123+52.67	27.68' LT	715.81
V	123+54.14	27.03' LT	715.80
W	123+35.30	36.22' LT	716.95
X	123+39.94	36.18' LT	716.79
Y	123+25.62	10.96' LT	716.29
Z	123+49.53	21.26' LT	715.89
Z1	123+54.81	33.33' LT	715.84
Z2	123+55.77	38.54' LT	715.95



NORTHEAST CORNER OF EUCLID AND HIGHLAND AVE			
POINT	STA	OFFSET	ELEV
AA	123+79.42	31.03' LT	715.71
BB	123+80.84	31.37' LT	715.71
CC	123+81.28	25.65' LT	715.62
DD	123+82.68	26.35' LT	715.62
EE	123+82.73	31.35' LT	715.71
FF	123+94.10	26.22' LT	716.41
GG	123+99.10	26.17' LT	716.49
HH	124+03.09	26.65' LT	716.49
II	124+03.09	31.18' LT	716.63
JJ	123+99.09	31.17' LT	716.57
KK	123+99.10	35.17' LT	716.64
LL	123+94.69	35.22' LT	716.55
MM	123+94.09	31.22' LT	716.49
NN	123+94.70	39.22' LT	716.61
OO	123+99.16	39.17' LT	716.74
PP	123+78.19	37.61' LT	715.85
QQ	123+87.61	18.65' LT	715.35



SOUTHWEST CORNER OF EUCLID AND HIGHLAND AVE			
POINT	STA	OFFSET	ELEV
A	123+40.49	11.12' RT	716.30
B	123+40.49	12.71' RT	716.30
C	123+35.49	11.13' RT	716.39
D	123+35.49	12.73' RT	716.39
E	123+35.49	25.17' RT	717.16
F	123+35.49	29.77' RT	717.20
G	123+40.49	29.91' RT	717.12
H	123+40.49	25.17' RT	717.08
H1	123+54.35	24.91' RT	716.75
H2	123+54.36	29.91' RT	716.84
H3	123+25.09	11.09' RT	716.54
H4	123+45.10	11.11' RT	716.09
H5	123+59.35	25.30' RT	716.56
H6	123+59.36	29.91' RT	716.81

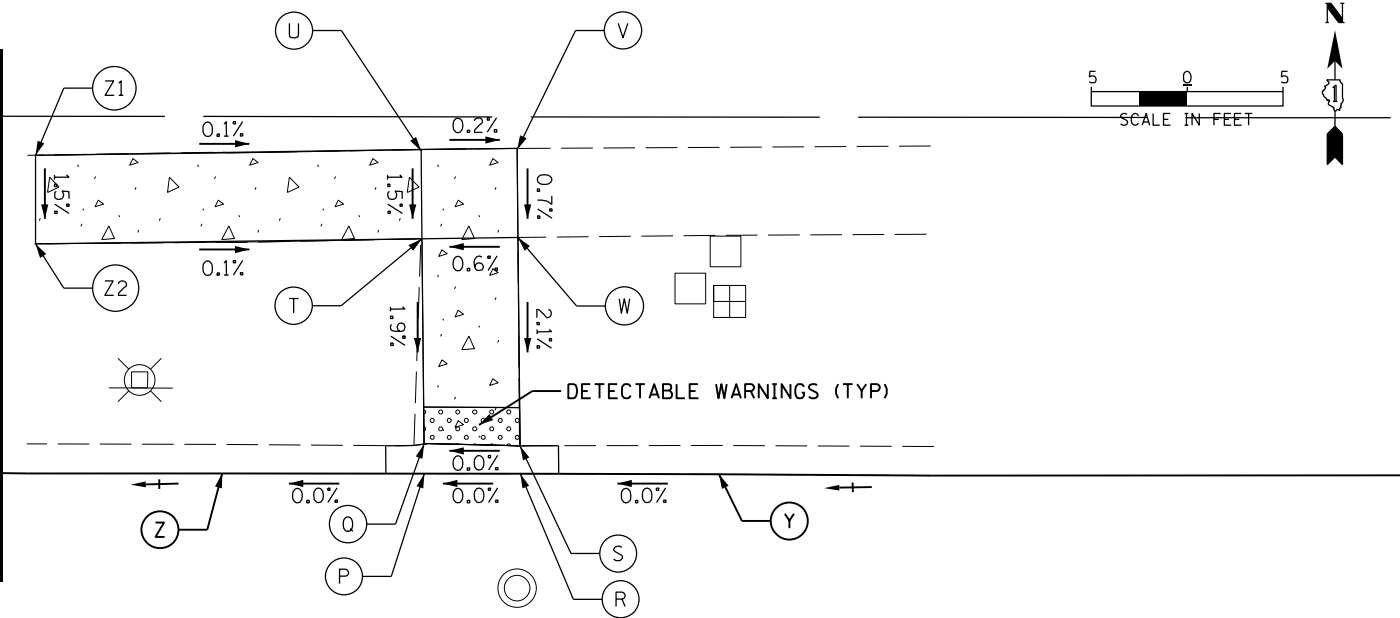


LEGEND	
	PCC SIDEWALK 5"
	AGGREGATE BASE COURSE, TYPE B, 4"
	PCC SIDEWALK 8"
	AGGREGATE BASE COURSE, TYPE B, 4"

NORTHEAST CORNER OF EUCLID AND VAIL AVE

POINT	STA	OFFSET	ELEV
P	127+25.86	16.60' LT	713.68
Q	127+25.84	18.15' LT	713.68
R	127+30.86	16.61' LT	713.68
S	127+30.85	18.07' LT	713.68
T	127+25.70	28.84' LT	713.88
U	127+25.64	33.49' LT	713.95
V	127+30.64	33.57' LT	713.94
W	127+30.70	28.93' LT	713.91
Y	127+41.21	16.62' LT	713.68
Z	127+15.33	16.57' LT	713.68
Z1	127+05.55	33.13' LT	713.97
Z2	127+05.57	28.52' LT	713.90

LEGEND	
	PCC SIDEWALK 5'
	AGGREGATE BASE COURSE, TYPE B, 4'
	PCC SIDEWALK 8'
	AGGREGATE BASE COURSE, TYPE B, 4'



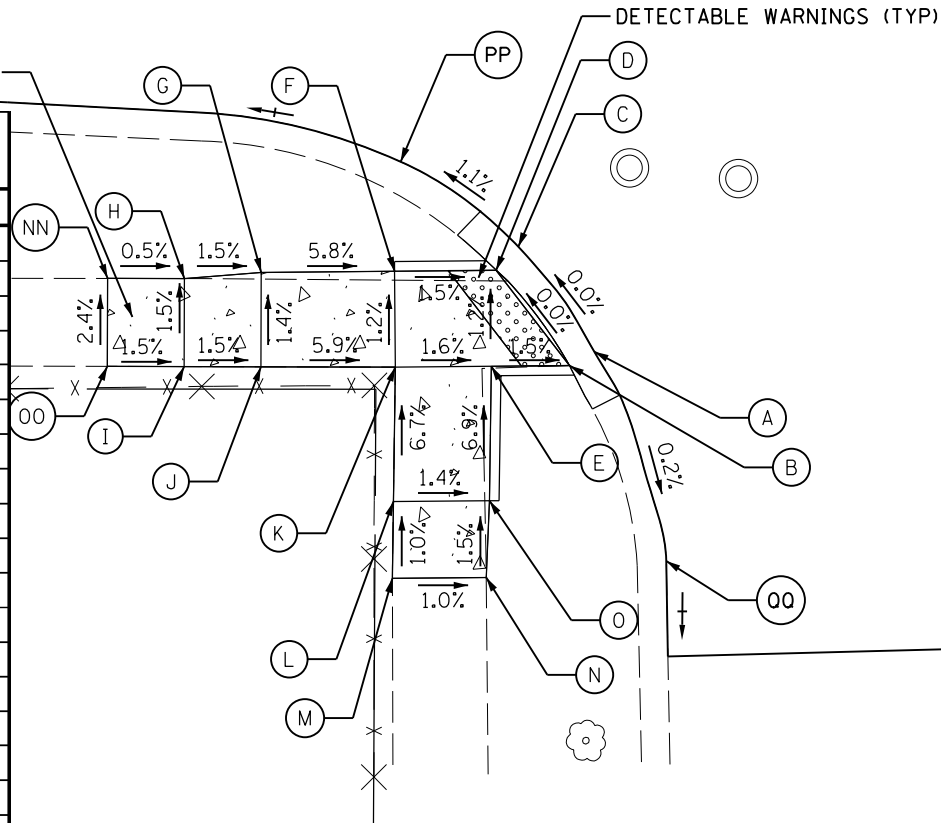
127

EUCLID AVE

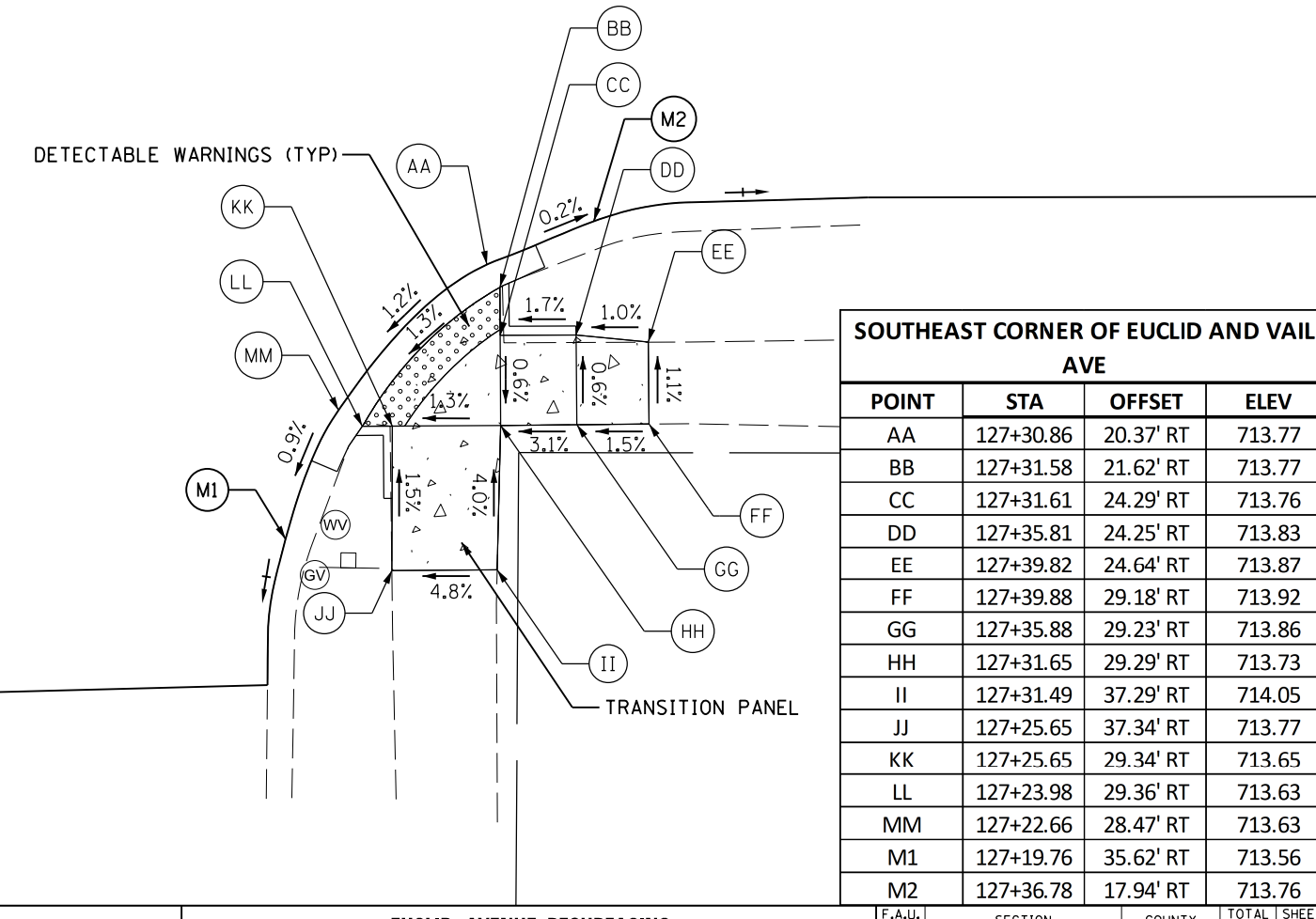
EUCLID AVE

SOUTHWEST CORNER OF EUCLID AND VAIL AVE

POINT	STA	OFFSET	ELEV
A	126+78.02	28.93' RT	713.58
B	126+76.74	29.65' RT	713.58
C	126+74.05	23.47' RT	713.58
D	126+72.90	24.70' RT	713.58
E	126+72.66	29.70' RT	713.64
F	126+67.60	24.77' RT	713.66
G	126+60.66	24.85' RT	714.06
H	126+56.66	25.18' RT	714.12
I	126+56.66	29.77' RT	714.19
J	126+60.66	29.77' RT	714.13
K	126+67.66	29.76' RT	713.72
L	126+67.58	36.77' RT	714.19
M	126+67.55	40.77' RT	714.23
N	126+72.43	40.71' RT	714.18
O	126+72.58	36.71' RT	714.12
NN	126+52.66	25.19' RT	714.14
OO	126+52.66	29.77' RT	714.25
PP	126+67.90	19.06' RT	713.50
QQ	126+81.80	39.82' RT	713.56



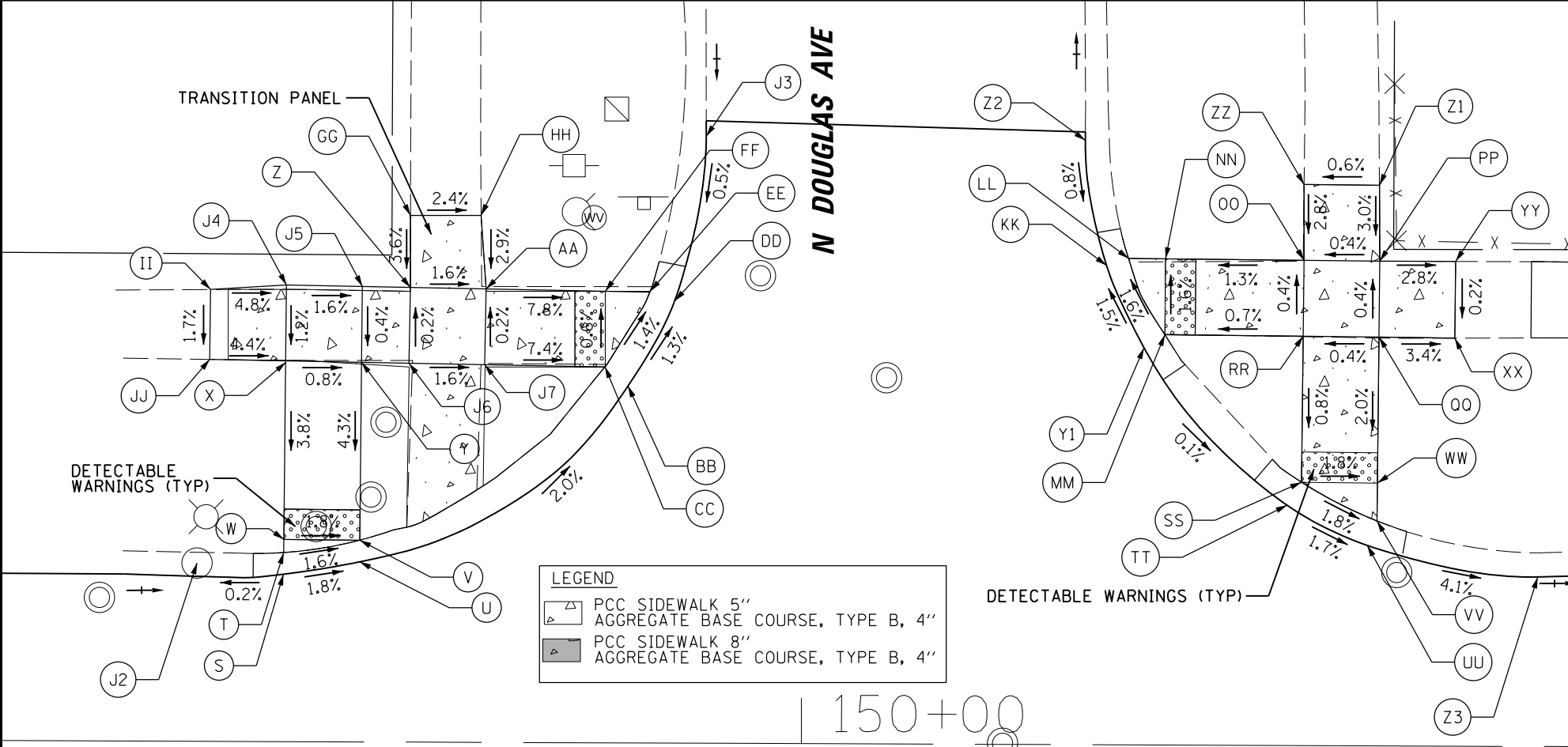
N VAIL AVE



SOUTHEAST CORNER OF EUCLID AND VAIL AVE

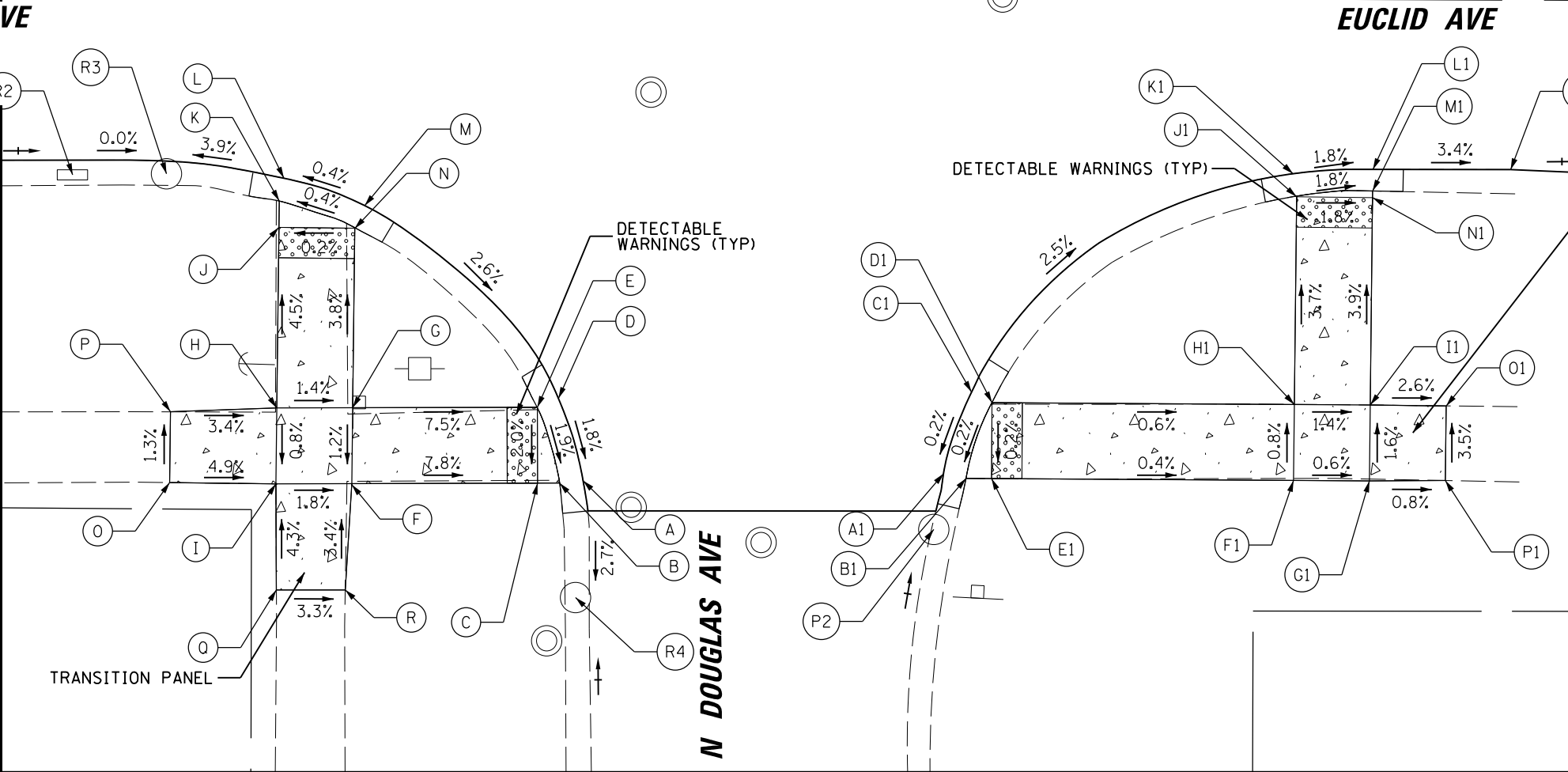
POINT	STA	OFFSET	ELEV
AA	127+30.86	20.37' RT	713.77
BB	127+31.58	21.62' RT	713.77
CC	127+31.61	24.29' RT	713.76
DD	127+35.81	24.25' RT	713.83
EE	127+39.82	24.64' RT	713.87
FF	127+39.88	29.18' RT	713.92
GG	127+35.88	29.23' RT	713.86
HH	127+31.65	29.29' RT	713.73
II	127+31.49	37.29' RT	714.05
JJ	127+25.65	37.34' RT	713.77
KK	127+25.65	29.34' RT	713.65
LL	127+23.98	29.36' RT	713.63
MM	127+22.66	28.47' RT	713.63
M1	127+19.76	35.62' RT	713.56
M2	127+36.78	17.94' RT	713.76

NORTHWEST CORNER OF EUCLID AND DOUGLAS AVE			
POINT	STA	OFFSET	ELEV
S	149+65.85	11.04' LT	684.19
T	149+65.86	12.46' LT	684.19
U	149+70.85	11.87' LT	684.10
V	149+70.86	13.29' LT	684.11
W	149+65.86	13.32' LT	684.20
X	149+65.93	25.09' LT	684.65
Y	149+70.93	25.01' LT	684.61
Z	149+74.13	29.97' LT	684.45
AA	149+79.13	29.89' LT	684.37
BB	149+88.50	23.53' LT	683.79
CC	149+86.99	24.77' LT	683.79
DD	149+91.55	29.14' LT	683.71
EE	149+89.97	29.78' LT	683.71
FF	149+86.97	29.77' LT	683.76
GG	149+74.12	34.72' LT	684.62
HH	149+78.77	34.74' LT	684.51
II	149+60.96	29.78' LT	684.95
JJ	149+60.93	25.17' LT	684.87
J2	149+60.14	11.75' LT	684.18
J3	149+93.59	40.00' LT	683.76
J4	149+65.96	30.09' LT	684.71
J5	149+70.96	30.01' LT	684.63
J6	149+74.06	24.97' LT	684.46
J7	149+79.05	24.89' LT	684.38



NORTHEAST CORNER OF EUCLID AND DOUGLAS AVE			
POINT	STA	OFFSET	ELEV
KK	150+19.99	31.60' LT	683.12
LL	150+21.44	32.06' LT	683.12
MM	150+23.85	27.05' LT	683.21
NN	150+23.88	32.05' LT	683.13
OO	150+33.00	31.98' LT	683.25
PP	150+38.00	31.95' LT	683.27
QQ	150+37.96	26.95' LT	683.29
RR	150+32.96	26.98' LT	683.27
SS	150+32.90	17.35' LT	683.19
TT	150+31.94	15.84' LT	683.19
UU	150+37.24	13.21' LT	683.09
VV	150+37.88	14.82' LT	683.09
WW	150+37.90	17.32' LT	683.10
XX	150+42.96	26.89' LT	683.12
YY	150+43.00	31.95' LT	683.13
ZZ	150+32.98	36.98' LT	683.39
Y1	150+22.49	26.17' LT	683.21
Z1	150+37.95	36.95' LT	683.42
Z2	150+18.56	39.83' LT	683.19
Z3	150+48.48	11.16' LT	682.62

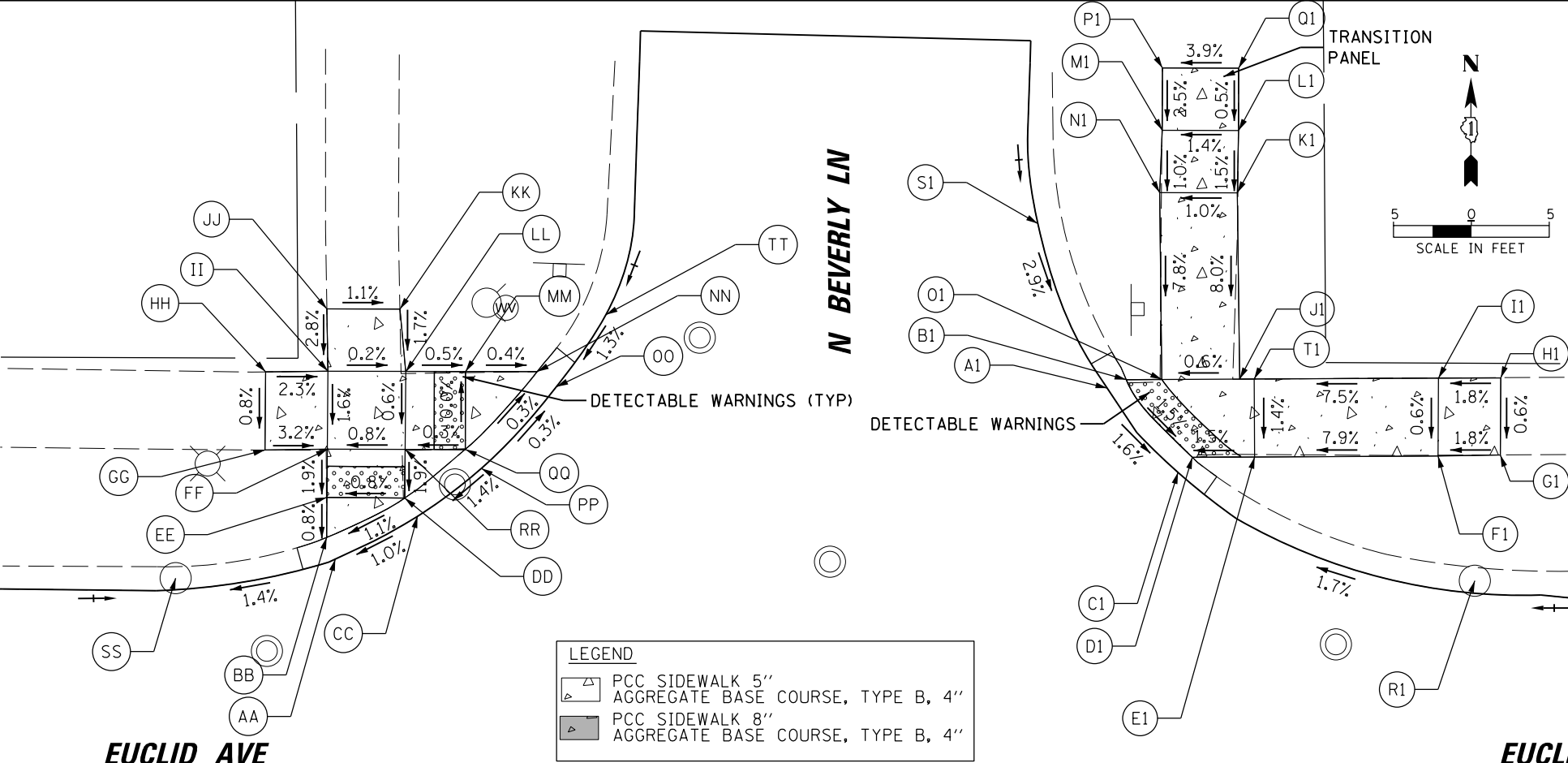
SOUTHWEST CORNER OF EUCLID AND DOUGLAS AVE			
POINT	STA	OFFSET	ELEV
A	149+85.75	31.89' RT	683.62
B	149+84.20	32.05' RT	683.62
C	149+82.74	32.06' RT	683.62
D	149+84.10	26.47' RT	683.72
E	149+82.71	27.06' RT	683.72
F	149+70.51	32.14' RT	684.57
G	149+70.55	27.14' RT	684.63
H	149+65.55	27.17' RT	684.70
I	149+65.51	32.17' RT	684.66
J	149+65.64	15.28' RT	684.17
K	149+65.66	13.54' RT	684.16
L	149+65.96	12.04' RT	684.16
M	149+71.29	13.83' RT	684.18
N	149+70.64	15.33' RT	684.18
O	149+58.51	32.11' RT	685.00
P	149+58.55	27.46' RT	684.94
Q	149+65.57	39.17' RT	684.96
R	149+70.10	39.14' RT	684.81
R2	149+52.04	11.87' RT	683.86
R3	149+58.22	11.78' RT	683.86
R4	149+85.28	39.58' RT	683.41



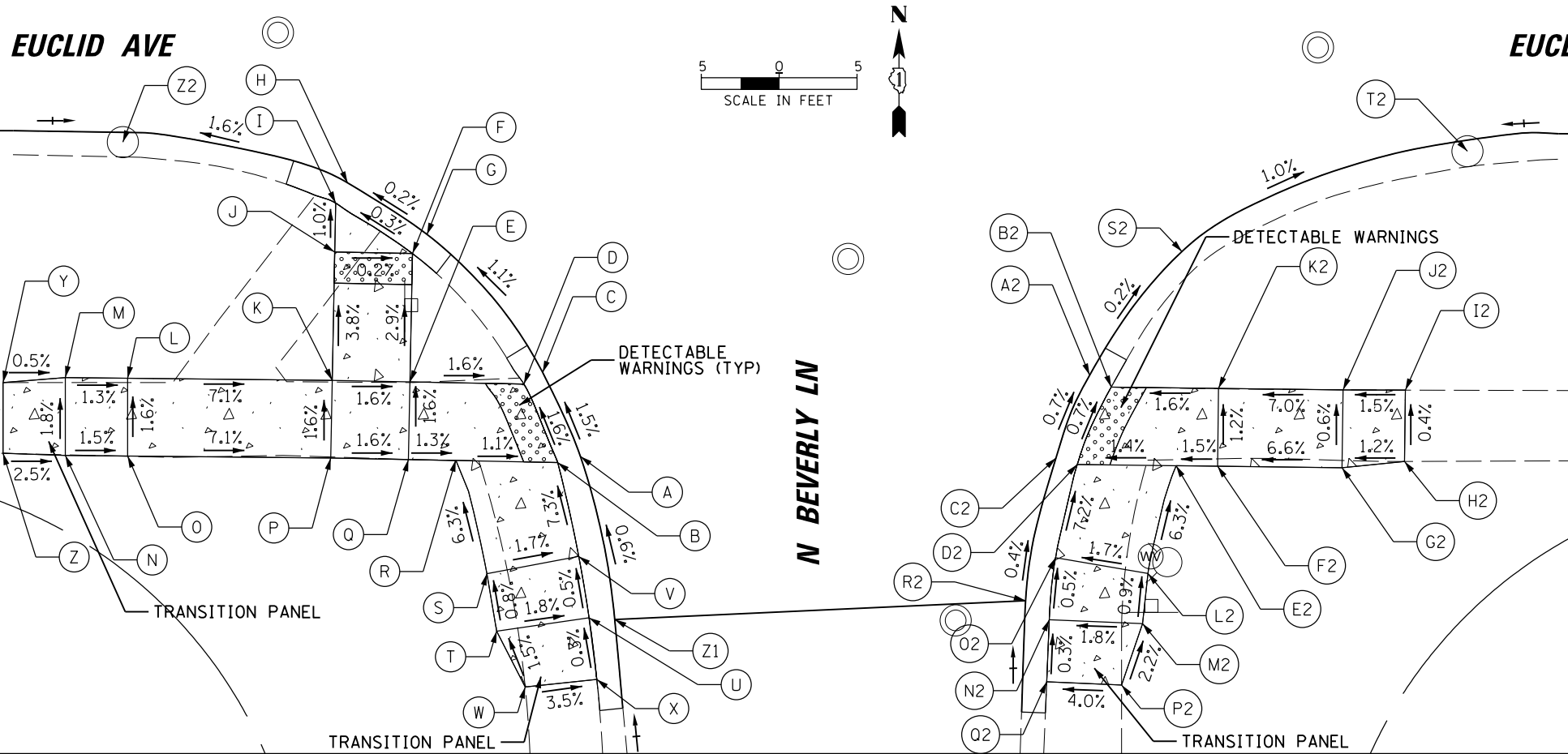
SOUTHEAST CORNER OF EUCLID AND DOUGLAS AVE			
POINT	STA	OFFSET	ELEV
A1	150+09.50	31.32' RT	683.57
B1	150+10.98	31.63' RT	683.57
C1	150+11.32	25.95' RT	683.58
D1	150+12.67	26.64' RT	683.58
E1	150+12.66	31.64' RT	683.57
F1	150+32.56	31.69' RT	683.50
G1	150+37.56	31.70' RT	683.47
H1	150+32.60	26.69' RT	683.46
I1	150+37.60	26.70' RT	683.39
J1	150+32.69	13.00' RT	682.95
K1	150+32.45	11.49' RT	682.95
L1	150+37.71	11.18' RT	682.86
M1	150+37.69	12.61' RT	682.86
N1	150+37.69	13.04' RT	682.86
O1	150+42.60	26.74' RT	683.26
P1	150+42.56	31.65' RT	683.43
P2	150+08.87	35.01' RT	683.52
P3	150+46.78	11.16' RT	682.55

NORTHWEST CORNER OF EUCLID AND BEVERLY AVE			
POINT	STA	OFFSET	ELEV
AA	157+97.47	20.08' LT	676.04
BB	157+96.90	21.46' LT	676.04
CC	158+02.73	22.85' LT	676.10
DD	158+01.91	24.02' LT	676.10
EE	157+96.91	24.04' LT	676.06
FF	157+96.95	27.13' LT	676.12
GG	157+92.92	27.06' LT	676.25
HH	157+92.94	32.08' LT	676.29
II	157+96.94	32.13' LT	676.20
JJ	157+96.86	36.13' LT	676.31
KK	158+01.56	36.14' LT	676.26
LL	158+01.94	32.11' LT	676.19
MM	158+05.78	32.15' LT	676.17
NN	158+10.39	32.16' LT	676.15
OO	158+11.63	31.20' LT	676.15
PP	158+06.82	25.93' LT	676.17
QQ	158+05.79	27.15' LT	676.17
RR	158+01.92	27.14' LT	676.16
SS	157+87.22	18.82' LT	675.90
TT	158+14.78	35.83' LT	676.22

SOUTHWEST CORNER OF EUCLID AND BEVERLY AVE			
POINT	STA	OFFSET	ELEV
A	158+13.45	38.87' RT	676.53
B	158+11.98	39.26' RT	676.53
C	158+10.99	33.47' RT	676.44
D	158+09.79	34.23' RT	676.44
E	158+02.48	34.11' RT	676.56
F	158+02.61	25.87' RT	676.32
G	158+03.53	24.64' RT	676.31
H	157+98.42	21.35' RT	676.30
I	157+97.66	22.64' RT	676.30
J	157+97.61	25.79' RT	676.33
K	157+97.48	34.03' RT	676.64
L	157+84.34	33.95' RT	677.57
M	157+80.34	33.93' RT	677.62
N	157+80.36	38.93' RT	677.71
O	157+84.36	38.95' RT	677.65
P	157+97.40	39.03' RT	676.72
Q	158+02.40	39.11' RT	676.64
R	158+05.44	39.12' RT	676.60
S	158+07.47	46.43' RT	677.06
T	158+08.11	50.12' RT	677.09
U	158+14.04	49.22' RT	676.98
V	158+13.36	45.28' RT	676.96
W	158+09.96	53.69' RT	677.15
X	158+14.55	53.19' RT	676.99
Y	157+76.34	34.26' RT	677.64
Z	157+76.36	38.81' RT	677.81
Z1	158+15.69	49.33' RT	676.60
Z2	157+83.97	18.78' RT	676.06

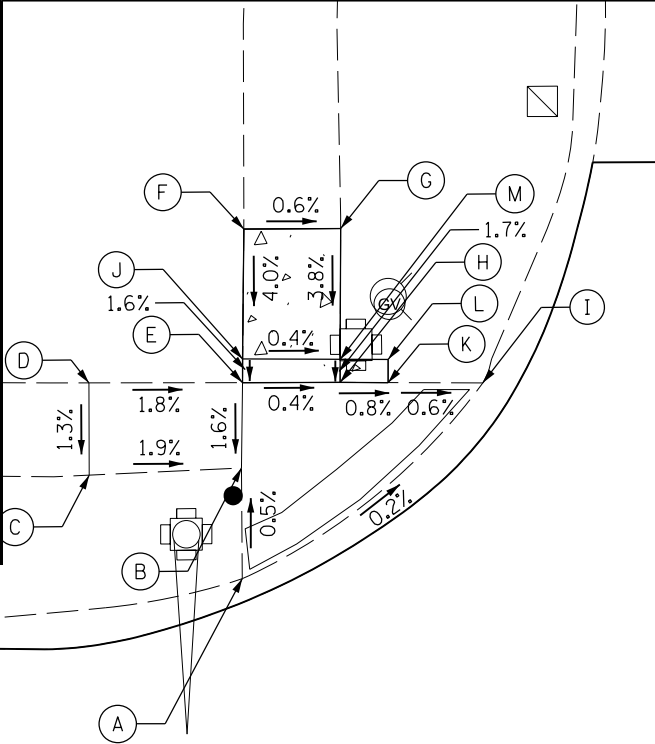


NORTHEAST CORNER OF EUCLID AND BEVERLY AVE			
POINT	STA	OFFSET	ELEV
A1	158+47.01	31.25' LT	675.61
B1	158+48.23	31.79' LT	675.61
C1	158+51.57	25.86' LT	675.50
D1	158+52.49	26.83' LT	675.51
E1	158+56.49	26.87' LT	675.57
F1	158+68.27	26.97' LT	676.50
G1	158+72.27	27.05' LT	676.57
H1	158+72.28	32.00' LT	676.60
I1	158+68.28	31.97' LT	676.53
J1	158+55.51	31.86' LT	675.63
K1	158+55.32	43.82' LT	676.59
L1	158+55.38	47.82' LT	676.65
M1	158+50.48	47.81' LT	676.58
N1	158+50.32	43.81' LT	676.54
O1	158+50.51	31.81' LT	675.60
P1	158+50.47	51.81' LT	676.48
Q1	158+55.37	51.82' LT	676.67
R1	158+70.66	18.98' LT	675.85
S1	158+42.50	41.79' LT	675.94
T1	158+56.44	31.87' LT	675.64

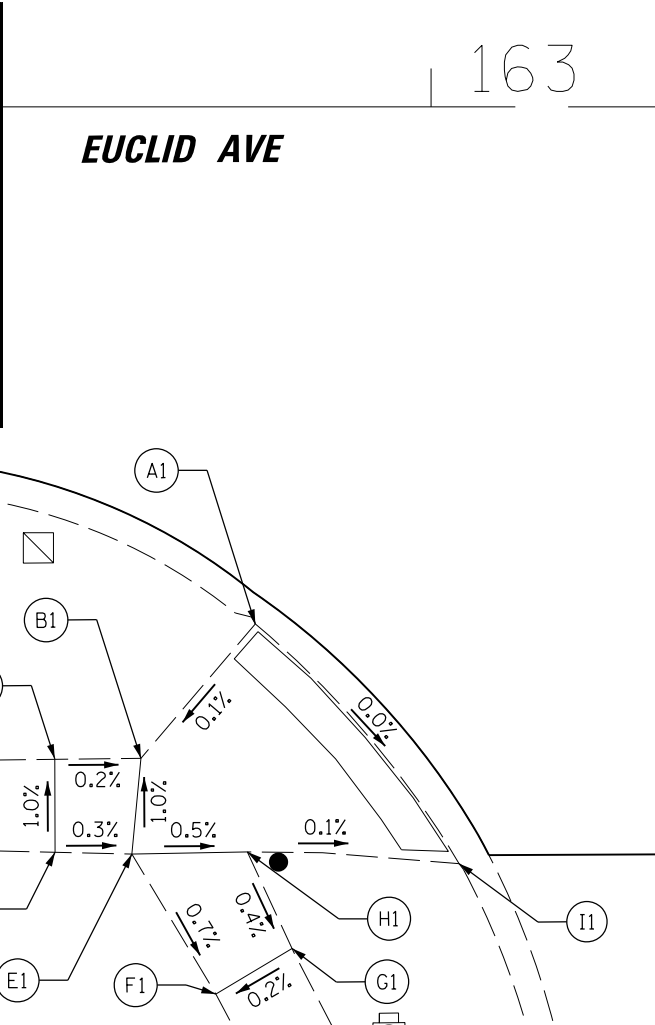


SOUTHEAST CORNER OF EUCLID AND BEVERLY AVE			
POINT	STA	OFFSET	ELEV
A2	158+46.13	33.51' RT	676.27
B2	158+47.52	34.27' RT	676.27
C2	158+43.99	38.85' RT	676.31
D2	158+45.35	39.26' RT	676.31
E2	158+51.70	39.31' RT	676.40
F2	158+54.36	39.33' RT	676.44
G2	158+62.36	39.39' RT	676.97
H2	158+66.37	38.97' RT	677.02
I2	158+66.40	34.39' RT	677.00
J2	158+62.40	34.39' RT	676.94
K2	158+54.40	34.33' RT	676.38
L2	158+49.92	46.24' RT	676.85
M2	158+49.59	49.46' RT	676.88
N2	158+43.59	49.24' RT	676.77
O2	158+43.98	45.24' RT	676.75
P2	158+48.26	53.41' RT	676.97
Q2	158+43.45	53.23' RT	676.78
R2	158+42.06	48.02' RT	676.35
S2	158+52.03	25.54' RT	676.25
T2	158+70.34	19.03' RT	676.04

NORTHWEST CORNER OF EUCLID AND DRYDEN AVE			
POINT	STA	OFFSET	ELEV
A	162+90.16	21.84' LT	678.53
B	162+90.03	27.61' LT	678.50
C	162+82.19	27.23' LT	678.65
D	162+82.17	32.04' LT	678.71
E	162+90.17	32.05' LT	678.57
F	162+90.24	40.05' LT	678.86
G	162+95.29	40.07' LT	678.83
H	162+95.26	32.06' LT	678.55
I	163+02.69	32.03' LT	678.50
J	162+90.18	33.28' LT	678.59
K	162+97.76	32.05' LT	678.53
L	162+97.76	33.25' LT	678.55
M	162+95.26	33.26' LT	678.57



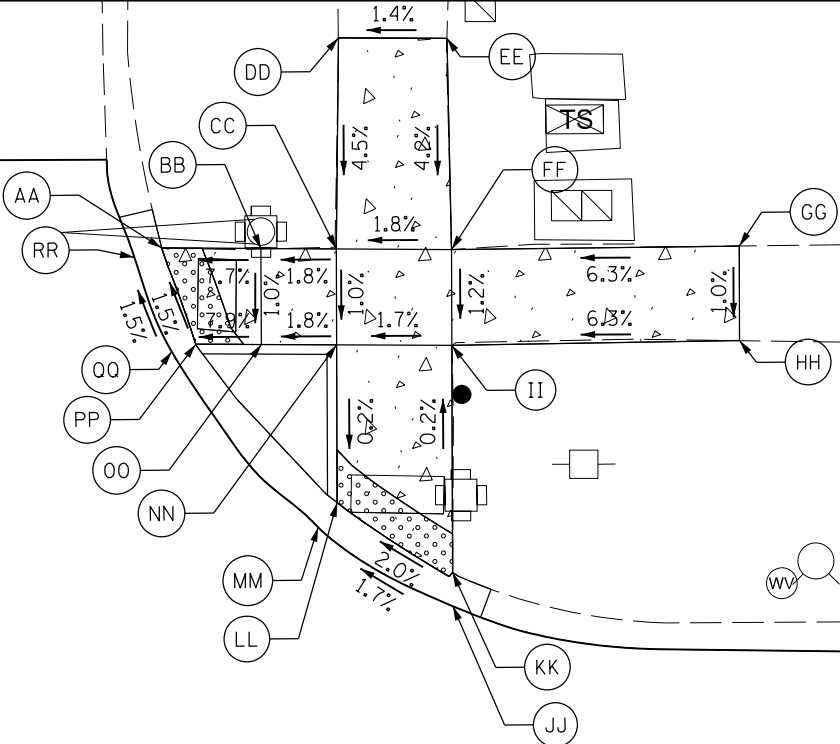
SOUTHWEST CORNER OF EUCLID AND DRYDEN AVE			
POINT	STA	OFFSET	ELEV
A1	162+90.84	26.94' RT	678.49
B1	162+84.89	33.94' RT	678.48
C1	162+80.39	33.97' RT	678.49
D1	162+80.41	38.84' RT	678.54
E1	162+84.42	38.93' RT	678.53
F1	162+88.78	46.22' RT	678.47
G1	162+92.75	43.85' RT	678.48
H1	162+90.43	38.82' RT	678.50
I1	163+01.46	39.43' RT	678.49



LEGEND

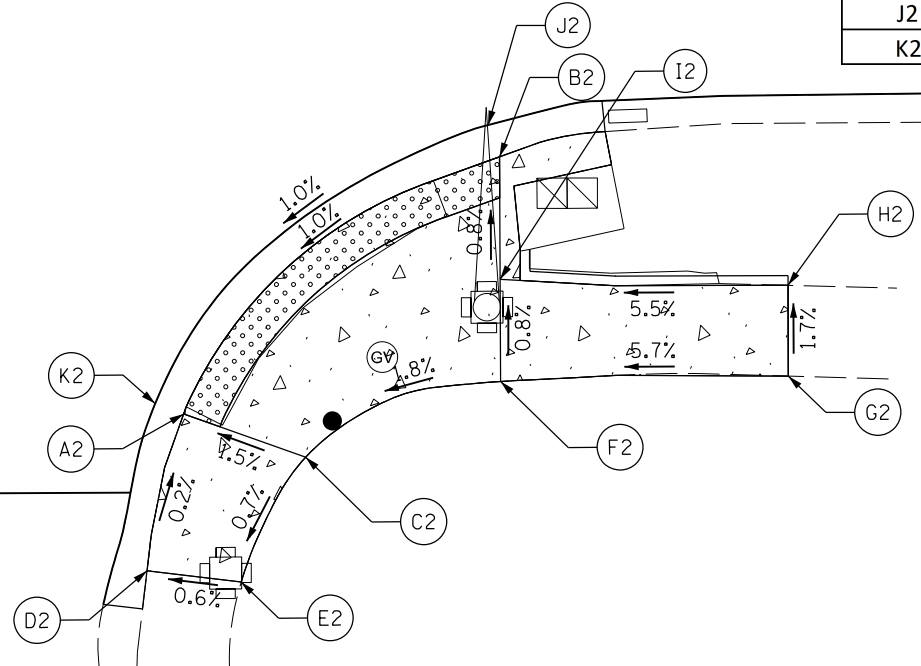
PCC SIDEWALK 5"AGGREGATE BASE COURSE, TYPE B, 4"

PCC SIDEWALK 8"AGGREGATE BASE COURSE, TYPE B, 4"

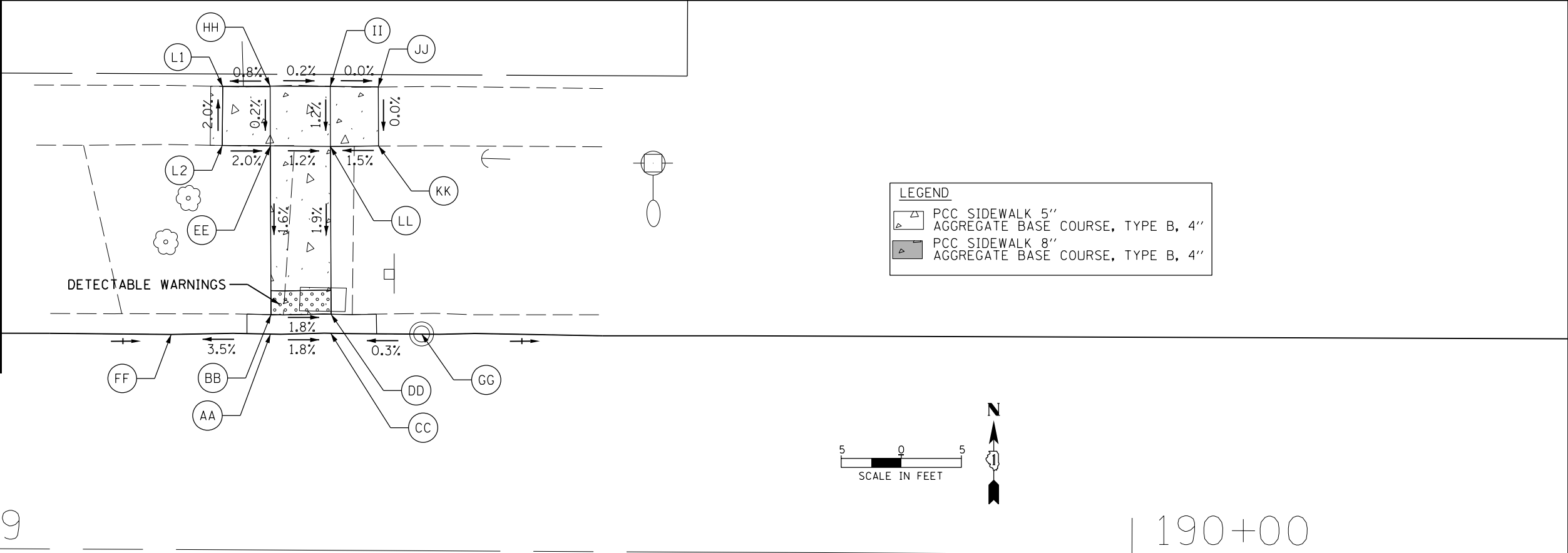


NORTHEAST CORNER OF EUCLID AND DRYDEN AVE			
POINT	STA	OFFSET	ELEV
AA	163+45.51	39.06' LT	678.65
BB	163+50.69	39.04' LT	679.05
CC	163+54.61	39.02' LT	679.12
DD	163+54.72	50.02' LT	679.61
EE	163+60.37	49.99' LT	679.69
FF	163+60.61	38.99' LT	679.23
GG	163+75.61	39.17' LT	680.17
HH	163+75.63	34.24' LT	680.12
II	163+60.63	33.99' LT	679.17
JJ	163+60.68	20.41' LT	679.19
KK	163+60.67	22.15' LT	679.19
LL	163+54.66	25.80' LT	679.05
MM	163+53.66	24.51' LT	679.05
NN	163+54.63	34.02' LT	679.07
OO	163+50.71	34.04' LT	679.00
PP	163+47.28	34.05' LT	678.73
QQ	163+46.04	33.66' LT	678.73
RR	163+44.09	38.57' LT	678.65

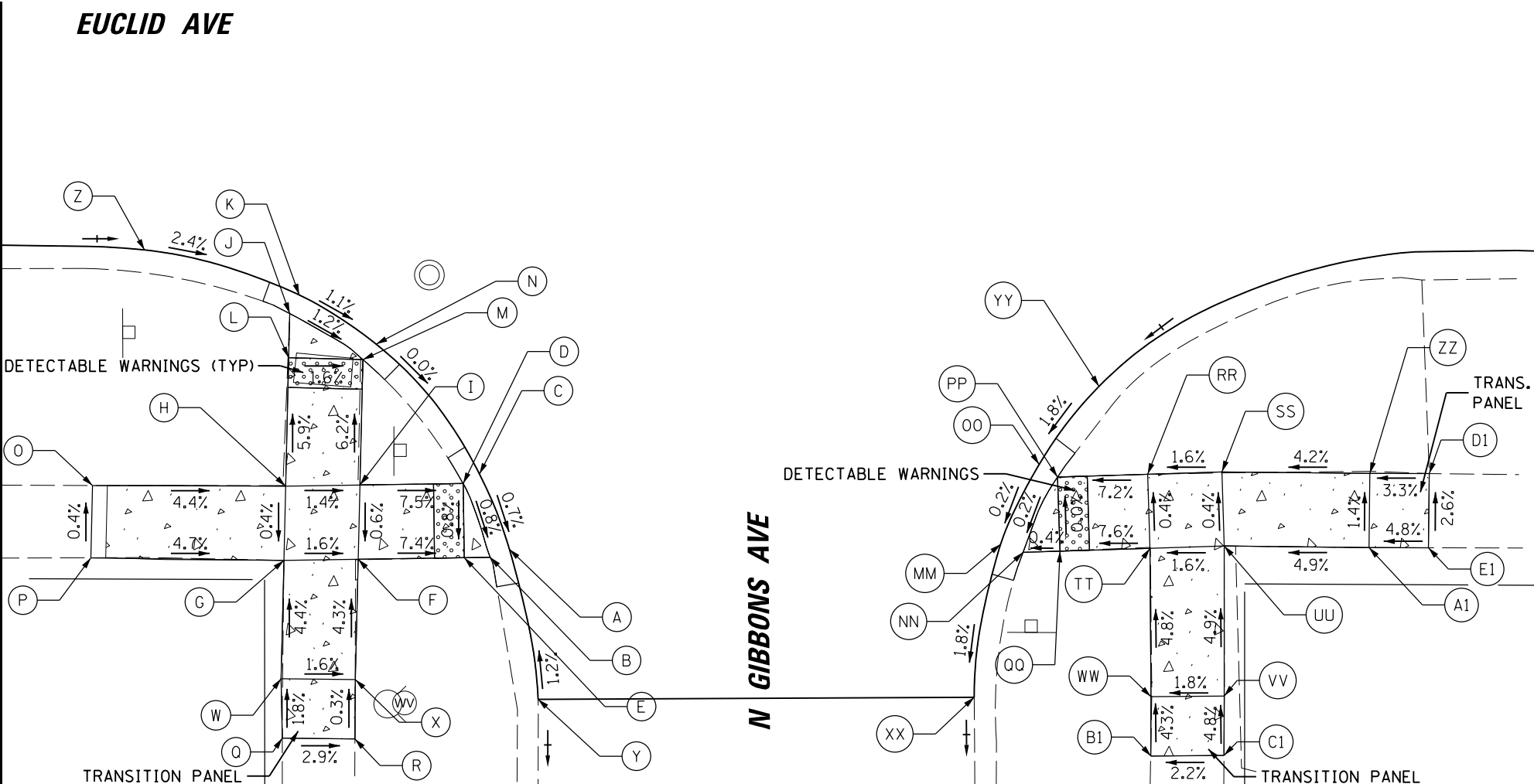
SOUTHEAST CORNER OF EUCLID AND DRYDEN AVE			
POINT	STA	OFFSET	ELEV
A2	163+46.66	34.70' RT	678.91
B2	163+63.12	21.31' RT	679.12
C2	163+53.01	36.96' RT	679.01
D2	163+44.75	42.88' RT	678.93
E2	163+49.66	43.46' RT	678.96
F2	163+63.17	33.01' RT	679.21
G2	163+78.17	32.74' RT	680.07
H2	163+78.15	28.00' RT	679.99
I2	163+63.15	27.69' RT	679.17
J2	163+62.52	19.66' RT	679.12
K2	163+45.17	34.17' RT	678.91



NORTHWEST CORNER OF EUCLID AND GIBBONS AVE			
POINT	STA	OFFSET	ELEV
AA	189+28.21	17.98' LT	676.98
BB	189+28.24	19.60' LT	676.98
CC	189+33.22	18.07' LT	676.89
DD	189+33.24	19.66' LT	676.89
EE	189+28.12	33.67' LT	677.21
FF	189+19.94	17.91' LT	676.69
GG	189+40.79	18.06' LT	676.91
HH	189+28.07	38.64' LT	677.22
II	189+33.08	38.64' LT	677.21
JJ	189+37.08	38.61' LT	677.21
KK	189+37.12	33.69' LT	677.21
LL	189+33.12	33.64' LT	677.15
L1	189+24.13	38.58' LT	677.19
L2	189+24.12	33.67' LT	677.29

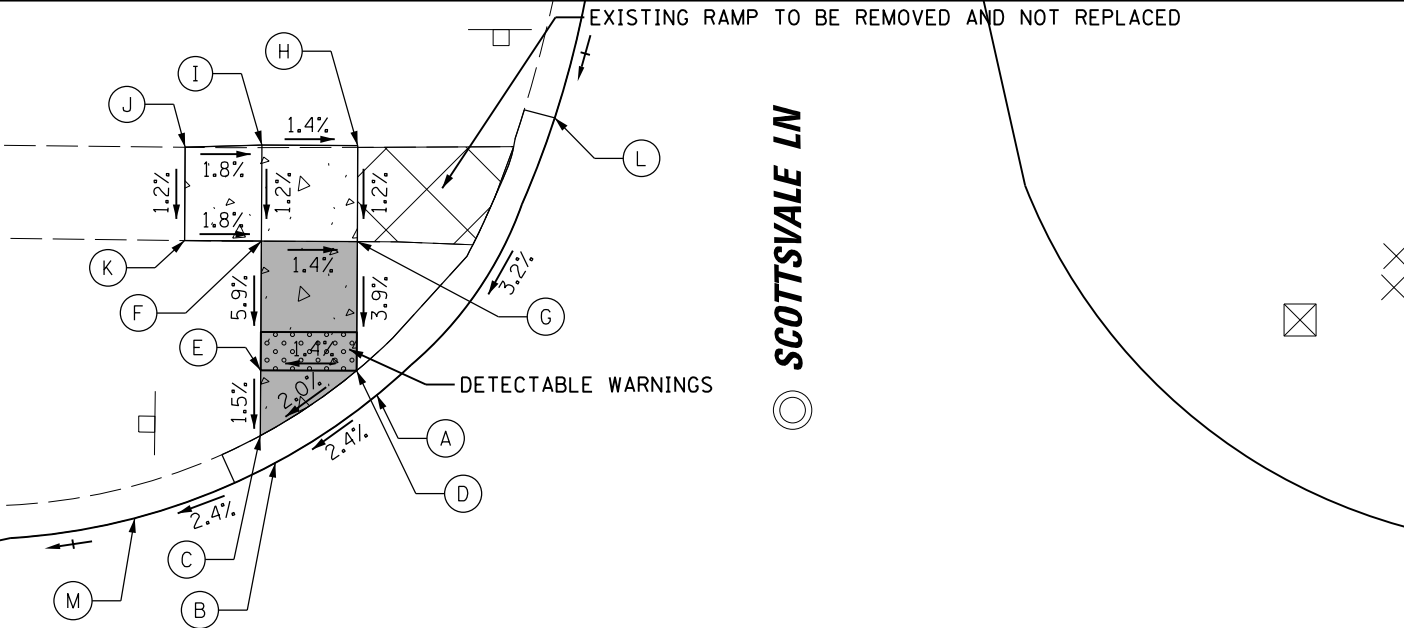


SOUTHWEST CORNER OF EUCLID AND GIBBONS AVE			
POINT	STA	OFFSET	ELEV
A	189+40.28	38.24' RT	676.50
B	189+38.99	38.79' RT	676.50
C	189+38.23	33.18' RT	676.54
D	189+37.14	33.83' RT	676.54
E	189+37.23	38.82' RT	676.50
F	189+30.09	38.96' RT	677.03
G	189+25.09	39.06' RT	677.11
H	189+25.18	34.06' RT	677.13
I	189+30.19	33.96' RT	677.06
J	189+25.40	22.43' RT	676.61
K	189+26.04	21.17' RT	676.61
L	189+25.34	25.41' RT	676.62
M	189+30.34	25.50' RT	676.54
N	189+31.23	24.46' RT	676.54
O	189+12.18	34.08' RT	677.70
P	189+12.09	38.96' RT	677.72
Q	189+25.04	51.05' RT	677.53
R	189+29.93	51.07' RT	677.39
S	NOT USED		
T	NOT USED		
U	NOT USED		
V	NOT USED		
W	189+24.94	47.05' RT	677.46
X	189+29.94	47.07' RT	677.38
Y	189+42.25	48.34' RT	676.62
Z	189+15.60	18.19' RT	676.87



SOUTHEAST CORNER OF EUCLID AND GIBBONS AVE			
POINT	STA	OFFSET	ELEV
MM	189+73.36	37.73' RT	676.62
NN	189+74.87	38.28' RT	676.62
OO	189+75.92	32.35' RT	676.63
PP	189+77.17	33.20' RT	676.63
QQ	189+77.35	38.19' RT	676.63
RR	189+83.24	32.97' RT	677.07
SS	189+88.23	32.79' RT	677.15
TT	189+83.42	37.97' RT	677.09
UU	189+88.41	37.79' RT	677.17
VV	189+88.46	47.90' RT	677.66
WW	189+83.53	47.97' RT	677.57
XX	189+98.15	32.86' RT	677.57
YY	189+98.11	37.86' RT	677.64
ZZ	189+83.53	51.97' RT	677.74
A1	189+88.47	51.90' RT	677.85
B1	190+02.15	32.86' RT	677.70
C1	190+02.11	37.86' RT	677.83
D1	189+71.62	48.06' RT	676.57
E1	189+79.93	27.07' RT	676.75

NORTHWEST CORNER OF EUCLID AND SCOTTSVALE LANE			
POINT	STA	OFFSET	ELEV
A	202+29.04	25.72' LT	673.00
B	202+23.76	22.15' LT	672.85
C	202+22.99	23.57' LT	673.18
D	202+27.99	26.98' LT	673.36
E	202+22.99	26.98' LT	673.26
F	202+22.99	33.71' LT	673.47
G	202+27.99	33.71' LT	673.54
H	202+27.99	38.71' LT	673.63
I	202+22.99	38.71' LT	673.54
J	202+18.99	38.58' LT	673.45
K	202+18.99	33.72' LT	673.39
L	202+38.25	40.20' LT	673.54
M	202+16.46	19.23' LT	672.76

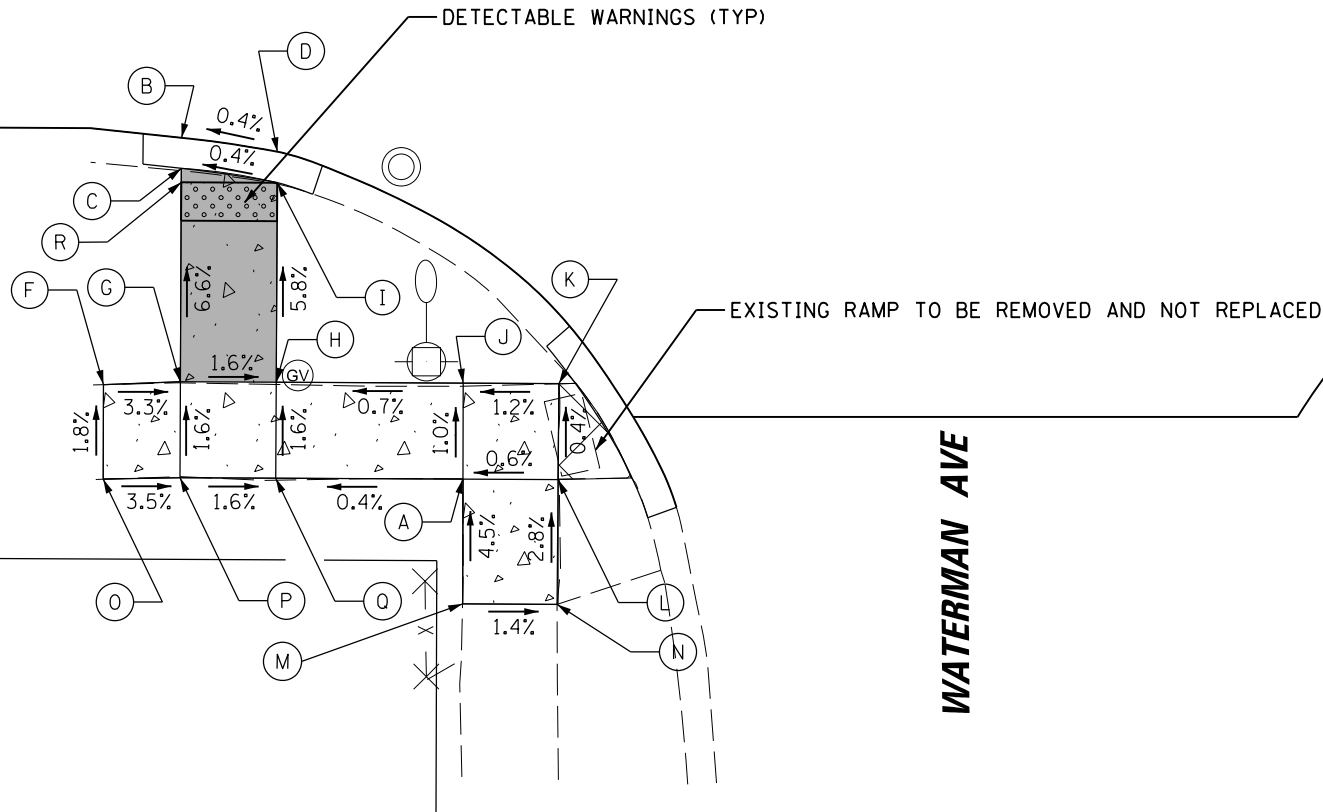


202

EUCLID AVE

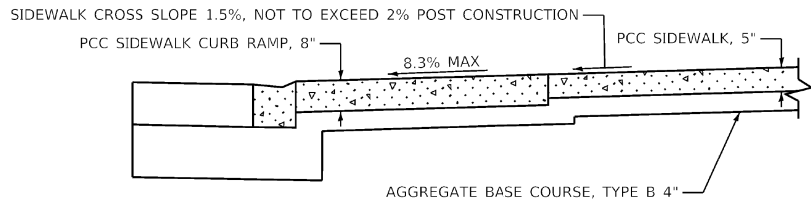
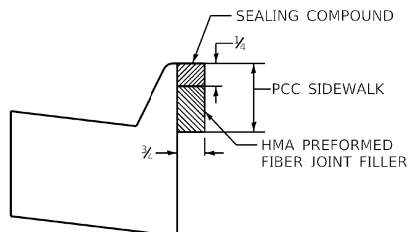
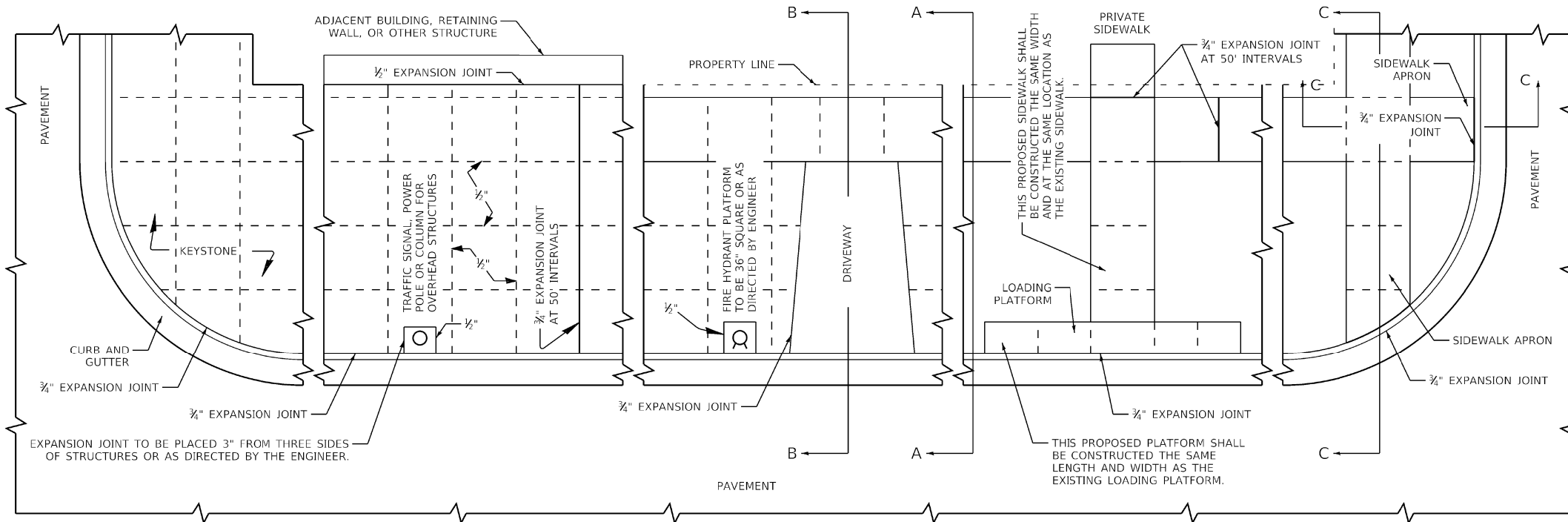
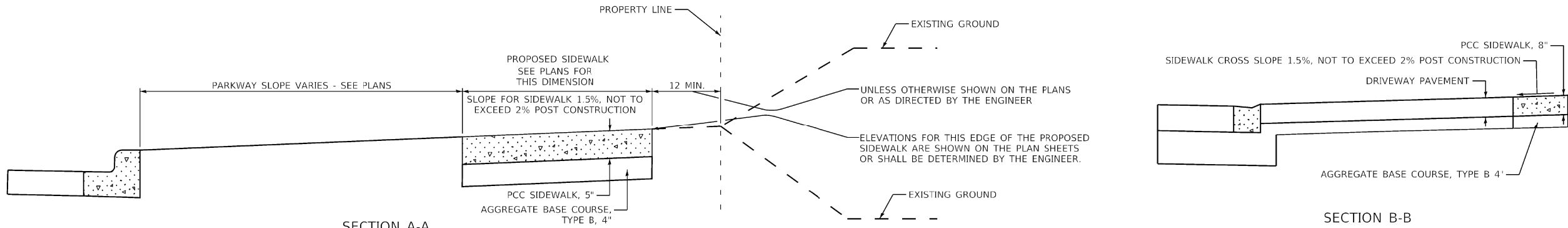
203

SOUTHWEST CORNER OF EUCLID AND WATERMAN AVE			
POINT	STA	OFFSET	ELEV
A	202+37.74	36.25' RT	673.59
B	202+22.99	18.53' RT	672.85
C	202+22.99	20.12' RT	672.85
D	202+27.99	19.23' RT	672.87
F	202+18.99	31.41' RT	673.68
G	202+22.99	31.25' RT	673.55
H	202+27.99	31.25' RT	673.47
I	202+27.99	20.85' RT	672.87
J	202+37.73	31.25' RT	673.54
K	202+42.71	31.25' RT	673.60
L	202+42.69	36.25' RT	673.62
M	202+37.75	42.75' RT	673.88
N	202+42.67	42.75' RT	673.81
O	202+18.99	36.34' RT	673.77
P	202+22.99	36.25' RT	673.63
Q	202+27.99	36.25' RT	673.55
R	202+22.99	20.85' RT	672.86



LEGEND			
	PCC SIDEWALK 5"		
	AGGREGATE BASE COURSE, TYPE B, 4"		
	PCC SIDEWALK 8"		
	AGGREGATE BASE COURSE, TYPE B, 4"		

FILE NAME :	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING ADA RAMP DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\Arlington Heights\240327\Civil\ADA_240327.13.sht	DRAWN -	REVISED -	1292						23-00221-00-R5	COOK	106	96	
Default	PLOT SCALE = 10'	CHECKED -	REVISED -		CONTRACT NO. 61L93								
	PLOT DATE = 11/5/2025	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			



FOR SECTIONS OF EUCLID AVE WITHIN COOK COUNTY JURISDICTION (ROHLWING ROAD TO WALNUT AVE AND WATERMAN AVE TO RAND ROAD)

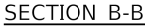
GENERAL NOTES:
ALL EXPANSION JOINTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 424.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PORTLAND CEMENT CONCRETE SIDEWALK OF THE THICKNESS SPECIFIED.
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

MUNICIPALITY, IL MUNICIPALITY, IL NAME TOWNSHIP	COUNTY HIGHWAY:	XXX		COUNTY OF COOK DEPARTMENT OF TRANSPORTATION AND HIGHWAYS	COMPUTED:	XXX	REVISIONS	DATE	PORTLAND CEMENT CONCRETE SIDEWALK CONSTRUCTION DETAIL COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS STANDARD C-003	C-XXX NOT TO SCALE SHEET X
	FISCAL YEAR:	XXXX			DRAWN:	XXX	GENERAL	1/1/20		
	SECTION:	XX-XXXX-XX-XX			CHECKED:	XXX	NEW DRAWING SECTION C-C	11/10/22		

FILE NAME = N:\Arlington Heights\240327\Civil\DET_240327.01.sht Default	USER NAME = mthomas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EUCLID AVENUE RESURFACING CONSTRUCTION DETAILS	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2'	DRAWN -	REVISED -									1292	23-00221-00-R5	COOK	106	97
	PLOT DATE = 11/5/2025	CHECKED -	REVISED -									CONTRACT NO. 61L93				



SUMMARY OF DRIVEWAY PAVEMENT



THE EXPANSION JOINT SHALL BE INCLUDED
IN THE CONTRACT UNIT PRICE PER SQUARE
FOOT FOR PORTLAND CEMENT CONCRETE
SIDEWALK OR PER SQUARE YARD FOR
PORTLAND CEMENT CONCRETE DRIVEWAY.



GUIDE FOR DRIVEWAY LENGTH

1. MEET EXISTING WALK (USE JOINT FOR PCC PAVEMENT SECTION B-B)
2. IF THERE IS NO EXISTING OR PROPOSED WALK, EXTEND TO RIGHT OF WAY LINE
3. IF THERE IS NO EXISTING WALK BUT A PROPOSED WALK IS REQUIRED, CONSTRUCT 8 INCH WALK FOR FULL DRIVEWAY WIDTH (SECTION B-B)
4. IF THERE IS A WALK ADJUSTMENT, CONSTRUCT 8" WALK FOR FULL DRIVEWAY WIDTH AND 5" WALK BEYOND.

QUANTITIES SHALL BE COMPUTED ON THE BASIS OF THE DRIVES EXTENDING TO SIDEWALK OR RIGHT OF WAY LINE AS SHOWN ON THE PLANS. HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE FIELD ENGINEER TO DETERMINE THE ACTUAL LIMITS OF EACH INSTANCE.

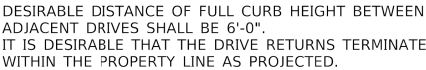
CHART

* PRIVATE DRIVES: 12'-0" MINIMUM, 24'-0" MAXIMUM

COMMERCIAL DRIVES: 12'-0" MINIMUM, 24'-0" MAXIMUM FOR 1-WAY OPERATION
24'-0" MINIMUM, 35'-0" MAXIMUM FOR 2-WAY OPERATION

MAXIMUM DRIVEWAY SLOPE

PROPERTY	URBAN	RURAL	RURAL (PERMIT WORK ONLY)
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LIMITATIONS UPON PRIVATE DRIVES

AT STREET INTERSECTIONS
MAXIMUM WIDTH & MINIMUM DISTANCE
BETWEEN DRIVES

NOTE A

FOR HMA DRIVEWAYS: AS AN ALTERNATE TO THE 1 3/4" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5, N70, AND THE 2 1/4" HOT-MIX ASPHALT CONCRETE BINDER COURSE, IL-19, N70 A HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5 N70 MAY BE USED. IN THE EVENT THE CONTRACTOR ELECTS TO USE THIS ALTERNATE, THE ADDITIONAL 2 1/4" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5 N70 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR HOT-MIX ASPHALT BINDER COURSE, IL-19, N70.

GENERAL NOTE:

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

MUNICIPALITY, IL
MUNICIPALITY, IL
NAME TOWNSHIP

COUNTY HIGHWAY:	XXX
FISCAL YEAR:	XXXX
SECTION:	XX XXXXX XX XX



COUNTY OF COOK
DEPARTMENT OF TRANSPORTATION AND HIGHWAYS

COMPUTED: XXX
DRAWN: XXX
CHECKED: XXX

REVISIONS
GENERAL

DATE
1/1/20

PRIVATE AND COMMERCIAL DRIVE DETAIL
COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
STANDARD C-002

C-XXX

FILE NAME =

USER NAME = mthomas

DESIGNED -REVISÉ -

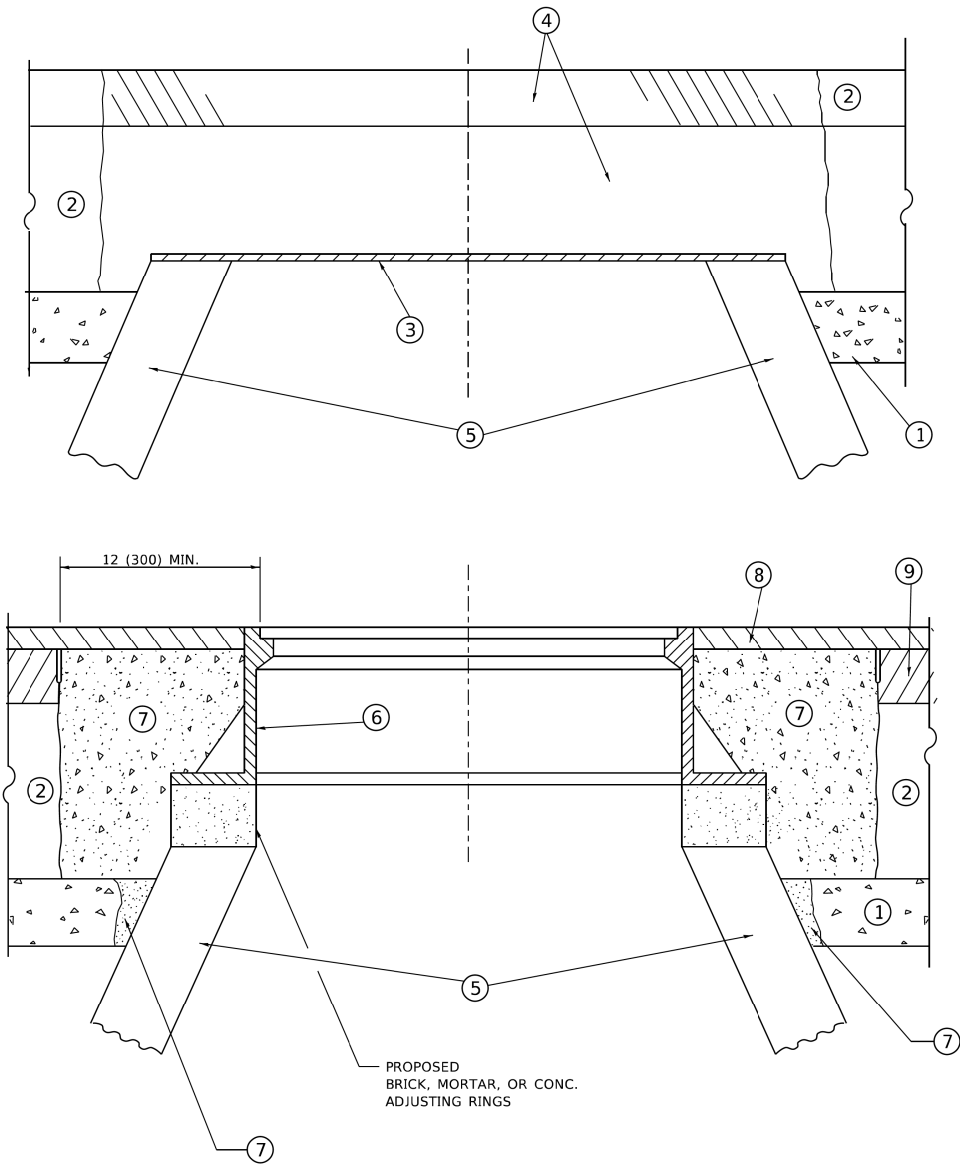
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EUCLID AVENUE RESURFACING CONSTRUCTION DETAILS

F.A.L.SECTION

TOTAL	SHE
-------	-----

CONTRACT NO. 61L93



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

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	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.

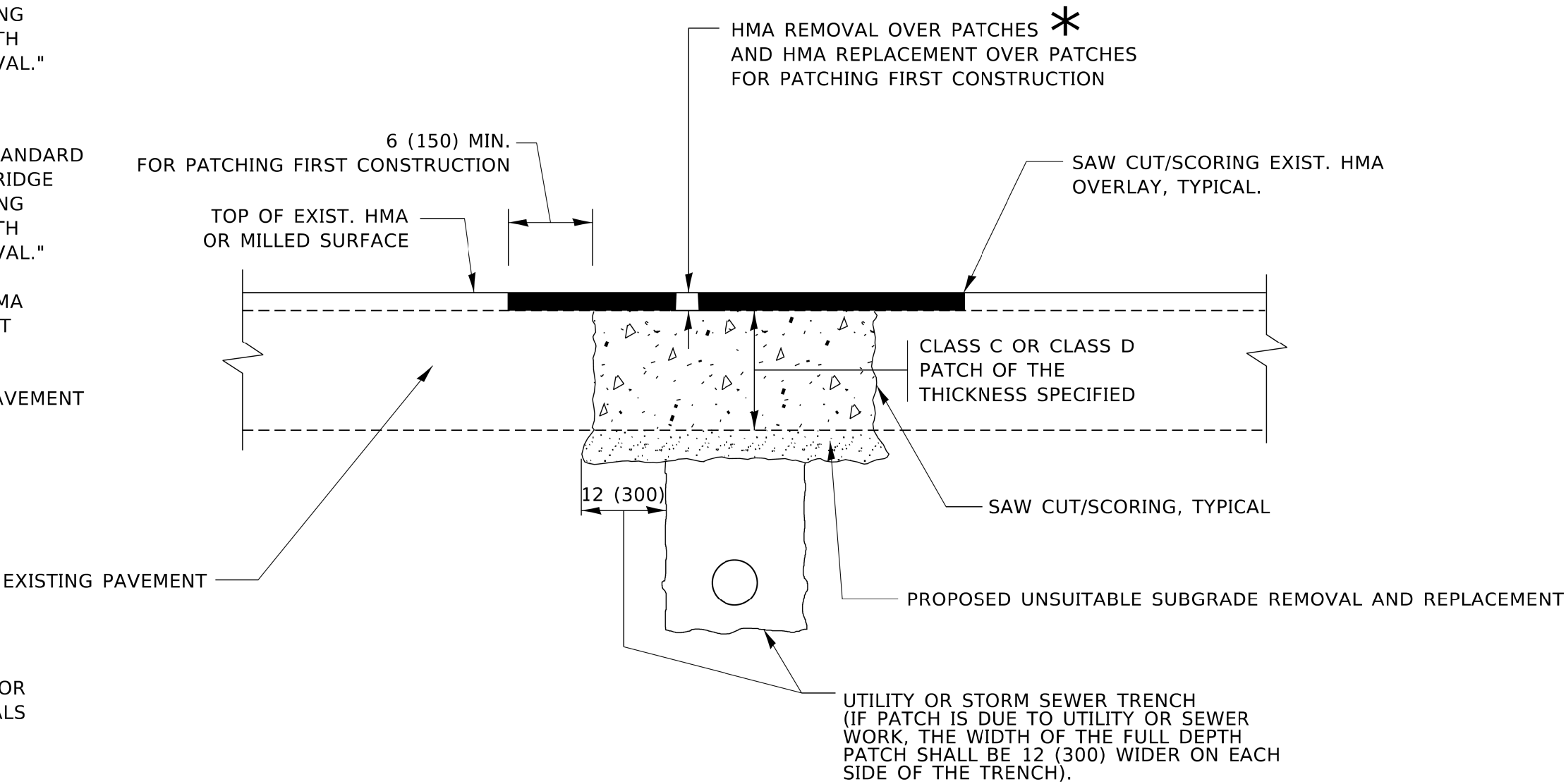
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-R5	COOK	106	99
BD600-03 (BD-08)		CONTRACT NO. 61L93		
ILLINOIS		FED. AID PROJECT		

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
- 2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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DATE: 11/18/2022

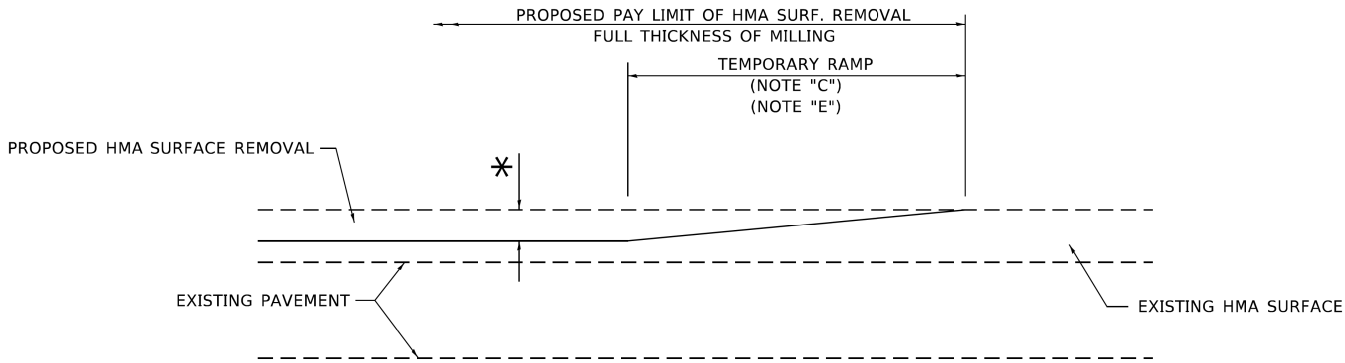
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PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

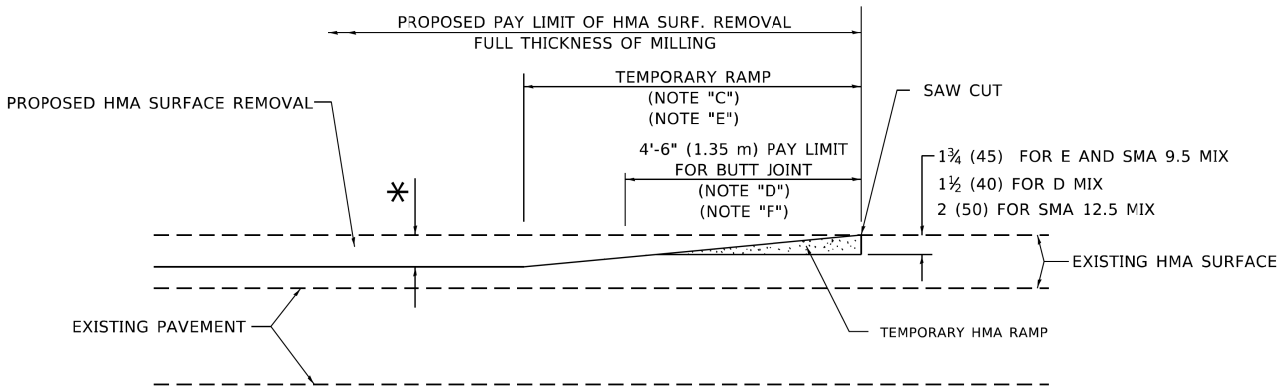
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1292	23-00221-00-RS	COOK	106	100
BD400-04 (BD-22)		CONTRACT NO. 61L93		
ILLINOIS		FED. AID PROJECT		



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

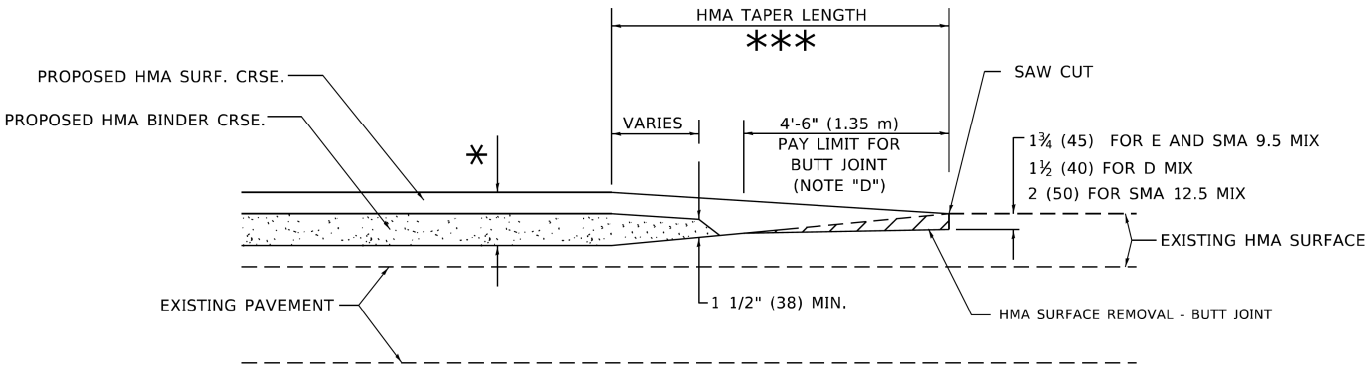
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

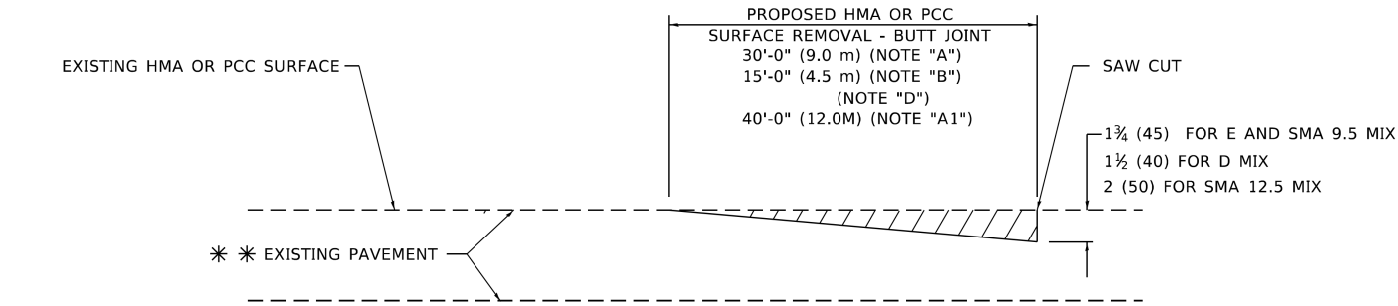
OPTION 2

TYPICAL TEMPORARY RAMP

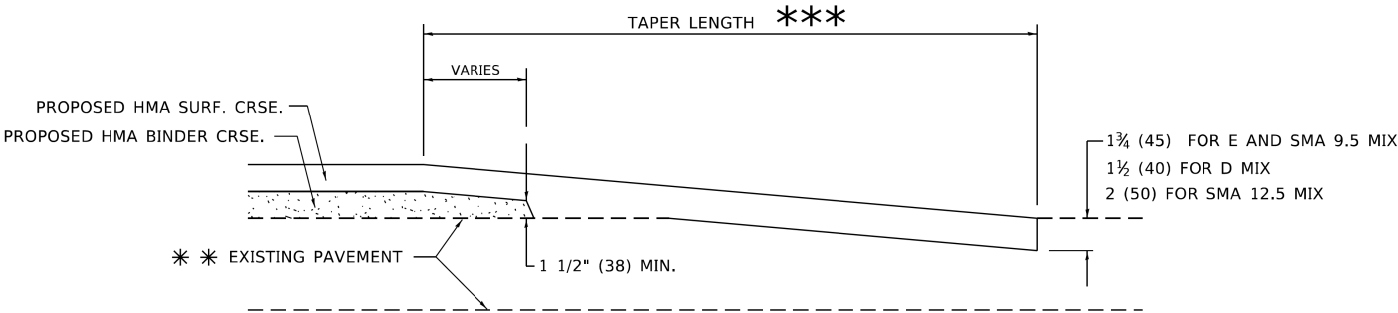


**BUTT JOINT AND
HMA TAPER**

**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.

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PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

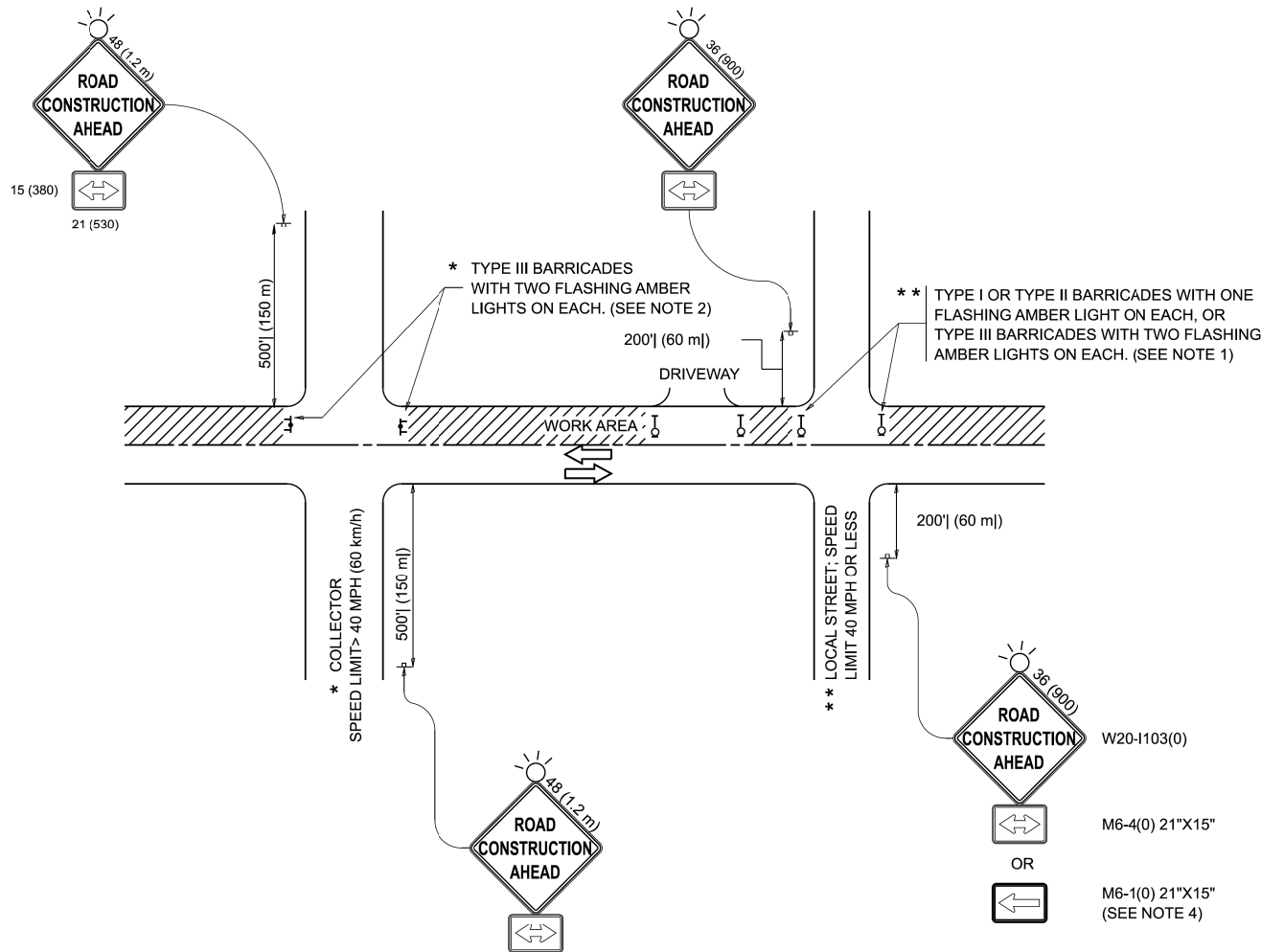
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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.
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BD400-05 BD-32		CONTRACT NO. 61L93		
ILLINOIS		FED. AID PROJECT		

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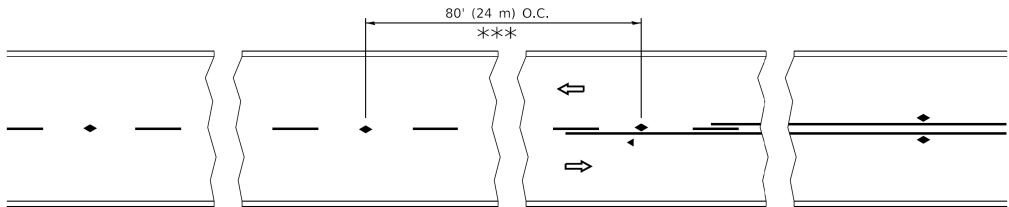
NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

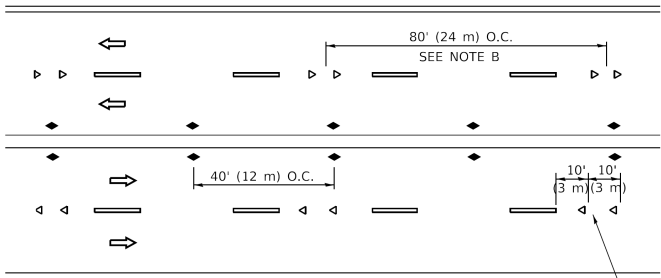
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		DRAWN -	REVISED - A. SCHUETZE 07-01-13			1292	23-00221-00-R5		COOK	106	0023	
	PLOT SCALE = 0.08333317 " / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-06			TC-10			CONTRACT NO. 61L93			
	PLOT DATE = 10/2/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-25			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	
					ILLINOIS					FED. AID PROJECT		

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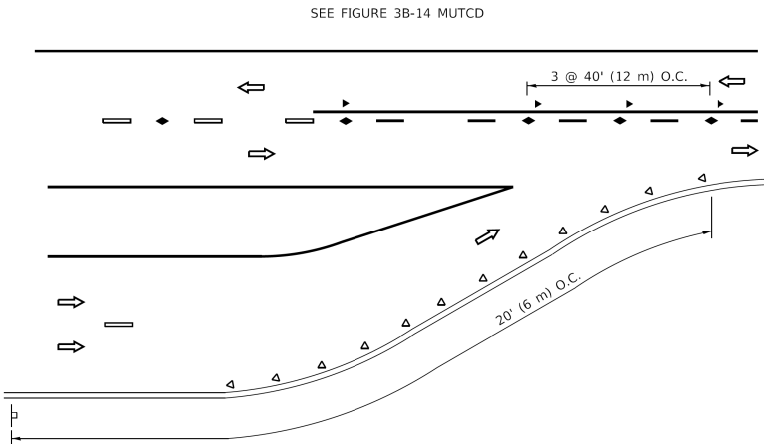
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TWO-LANE/TWO-WAY

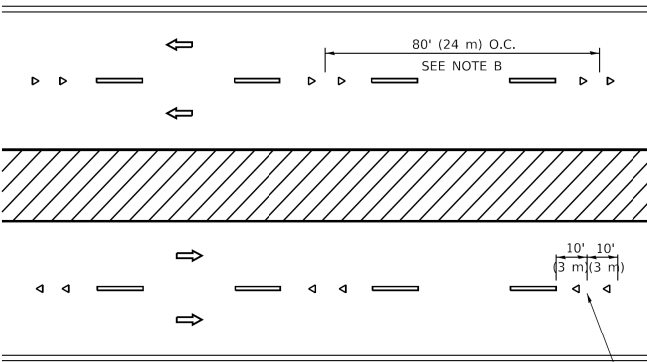


SEE NOTE A

MULTI-LANE/UNDIVIDED

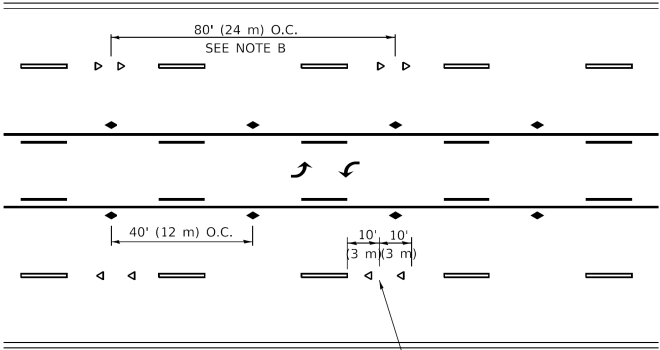


LANE REDUCTION TRANSITION



SEE NOTE A

MULTI-LANE/DIVIDED



SEE NOTE A

TWO-WAY LEFT TURN

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

LANE MARKER NOTES

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

SYMBOLS

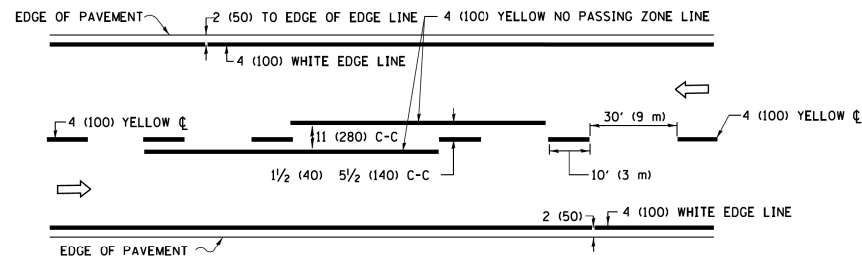
- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

DESIGN NOTES

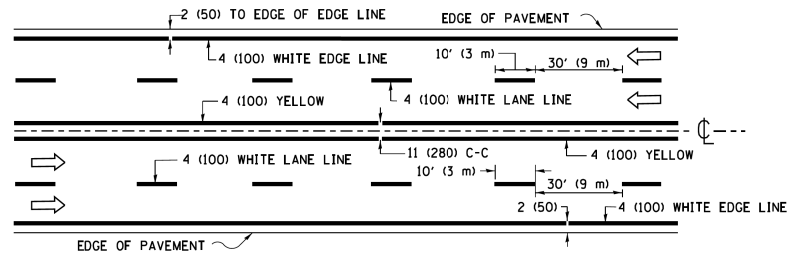
1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS 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.

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

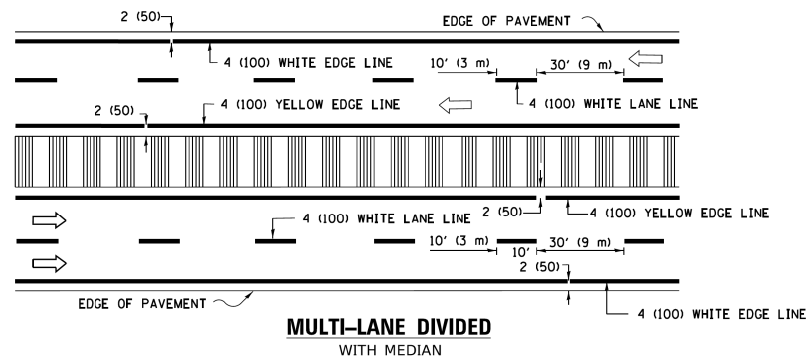
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	USER NAME = footemj		DESIGNED -	REVISED - T. RAMMACHER 03-12-99	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		DRAWN -	REVISED - T. RAMMACHER 01-06-00		1292	23-00221-00-R5	COOK	106	103
	PLOT SCALE = 50.0000 ' / in.		CHECKED -	REVISED - C. JUCIUS 09-09-09		TC-11		CONTRACT NO. 61L93		
	PLOT DATE = 3/4/2019		DATE -	REVISED - C. JUCIUS 07-01-13		SCALE: NONE		SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT



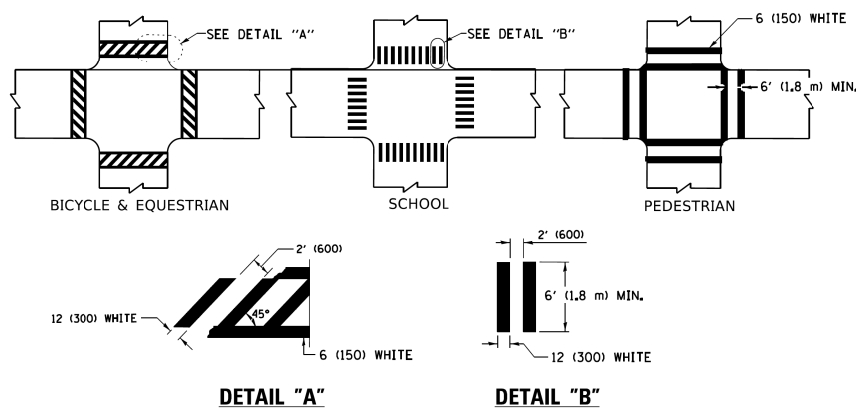
2-LANE ROADWAY



MULTI-LANE UNDIVIDED

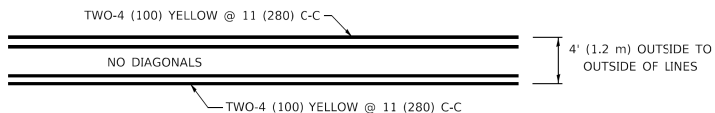


TYPICAL LANE AND EDGE LINE MARKING

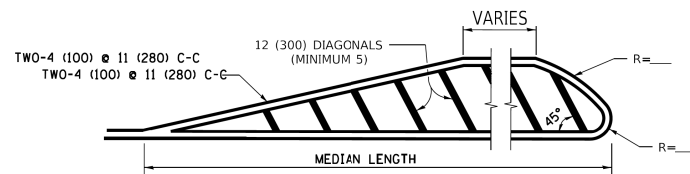


TYPICAL CROSSWALK MARKING

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

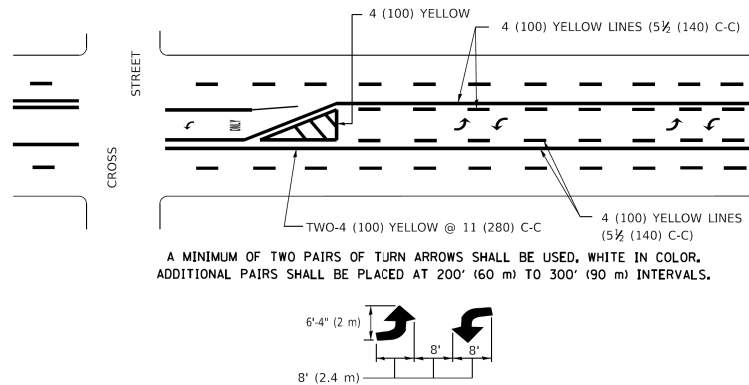


4' (1.2 m) WIDE MEDIANS ONLY



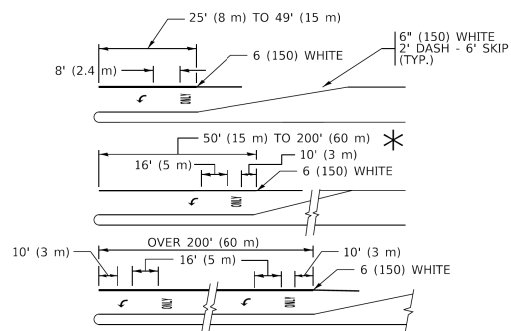
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

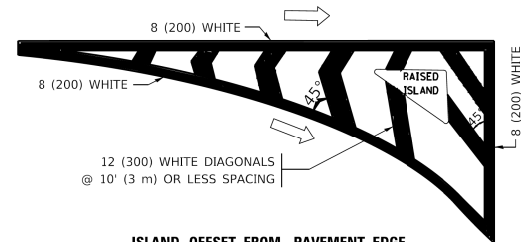


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

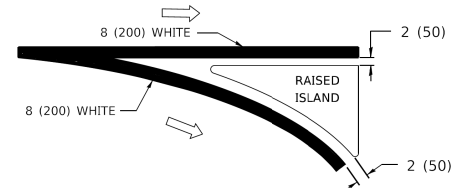
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

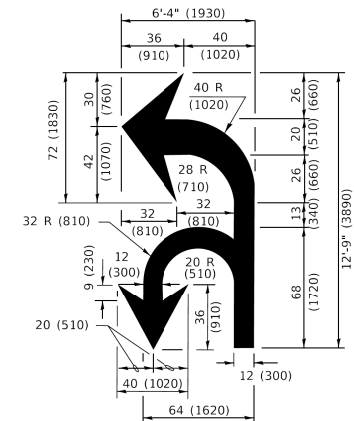


ISLAND OFFSET FROM PAVEMENT EDGE

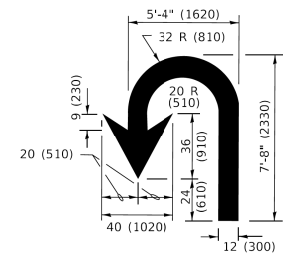


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 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: "RR"=3.6 SQ. FT. (0.33 m ² EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

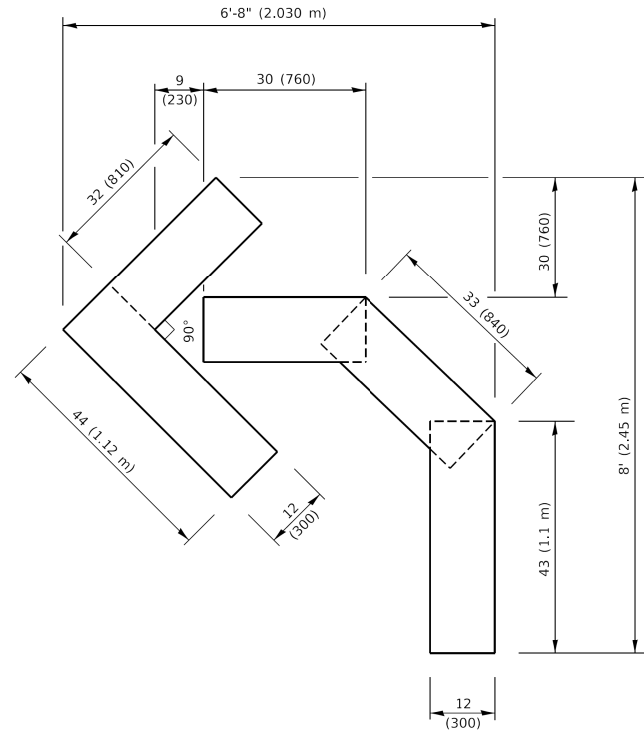
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO
STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE
CONSTRUCTION AND STATE STANDARD 780001.

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

USER NAME = footernj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

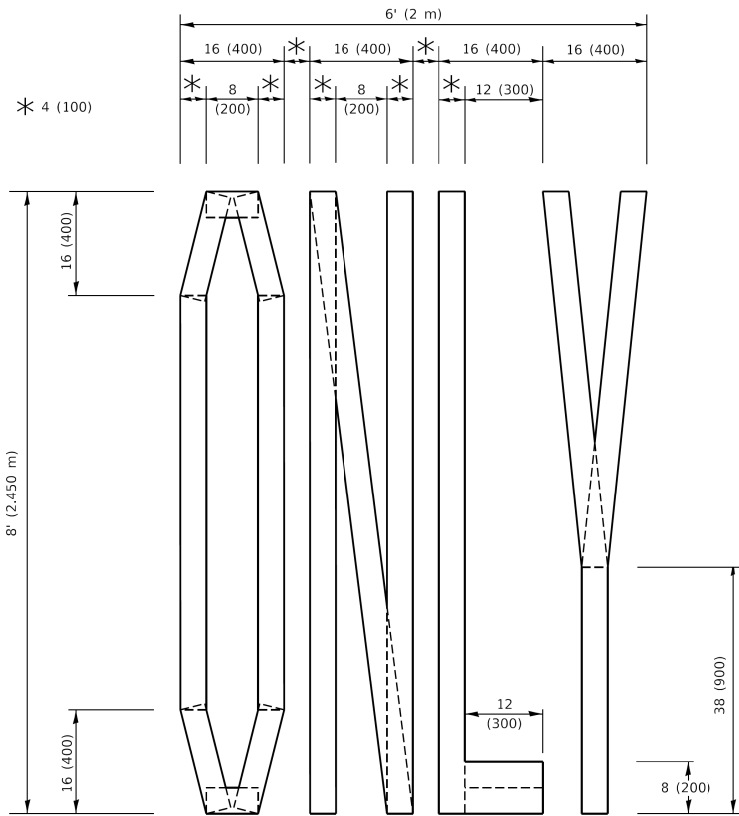
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE TYPICAL PAVEMENT MARKINGS					F.A.U. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
					1292	23-00221-00-RS		C00K	106	104
SCALE: NONE SHEET 1 OF 2 SHEETS STA.										



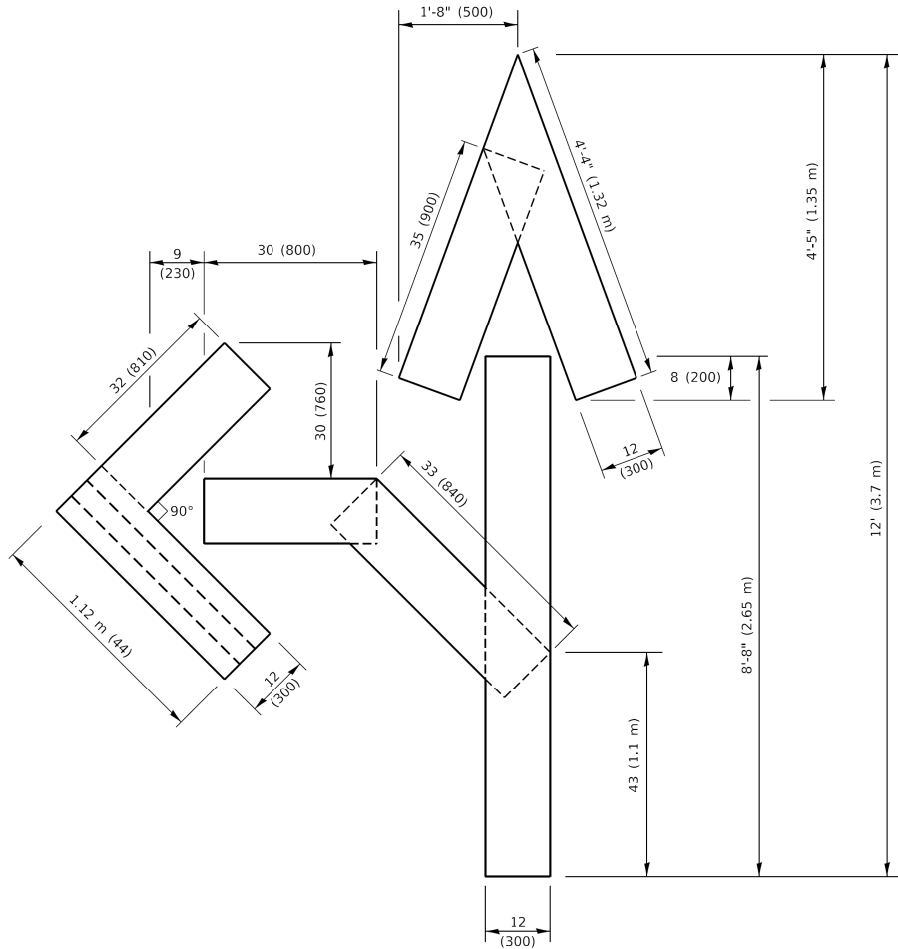
QUANTITY

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)

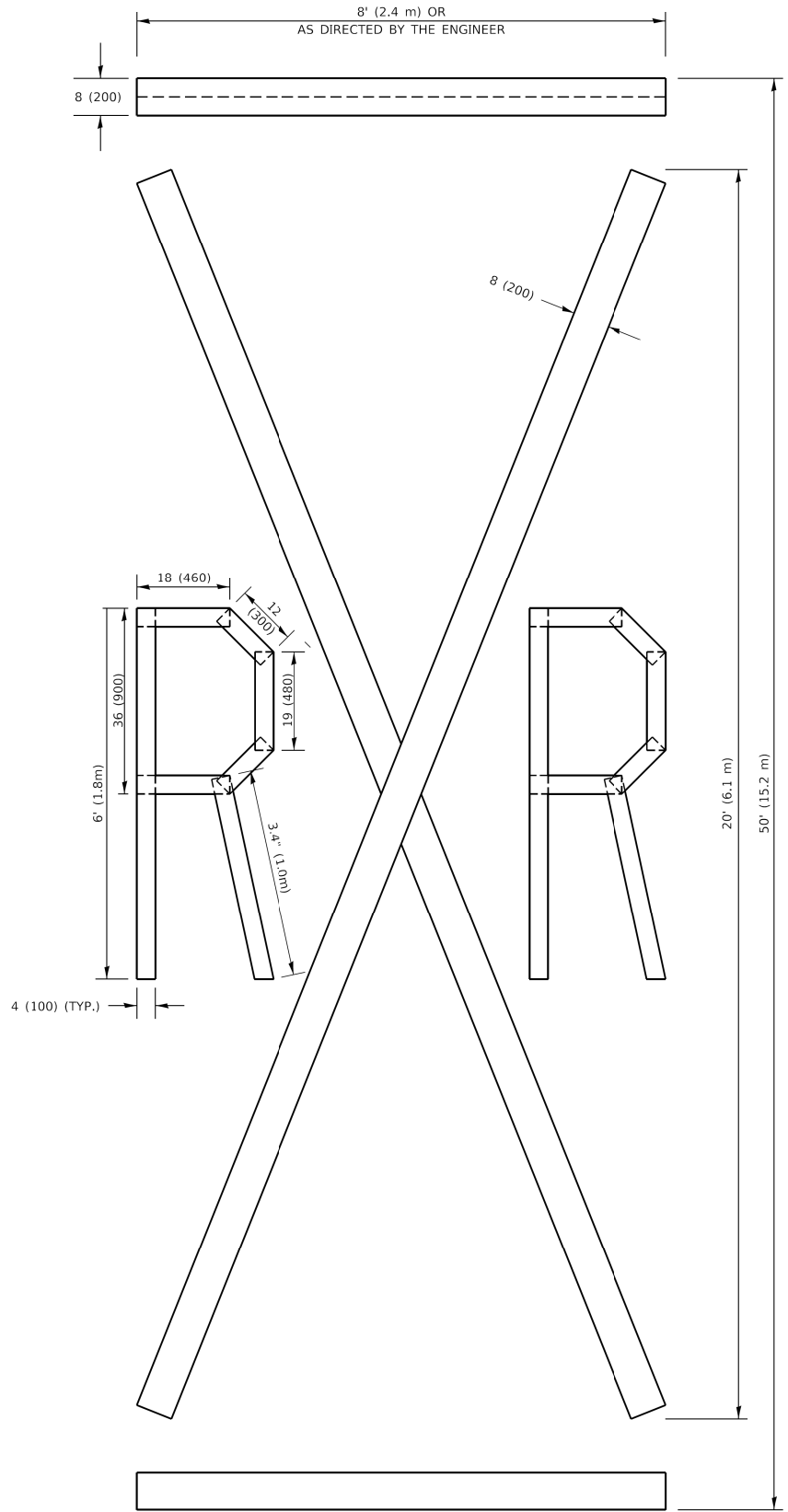


QUANTITY

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: N:\MTC_Plan\1108\EBID\NTEG\Illinois.gov\PIWDOT\Documents\DOT_Offices\District_1\Projects\Dist5\2223\CAD\Batal\CADsheets\16.dgn
16.dgn 3/4/2019 10:37:35 AM User=footemj

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.
1292	23-00221-00-R5	COOK	106	105
TC-16		CONTRACT NO. 61L93		
		ILLINOIS	FED. AID PROJECT	

