03-08-2024 LETTING ITEM 107

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	1
	ILLINOIS	CONTRACT NO. 62T51		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAU 3730: IL 1 (HALSTED ST) AT IL 83 (147TH ST)
SECTION: FAU 3730 22 SIGNALS
PROJECT: HSIP-W34X(107)
TRAFFIC SIGNAL MODERNIZATION, ADA IMPROVEMENTS
COOK COUNTY

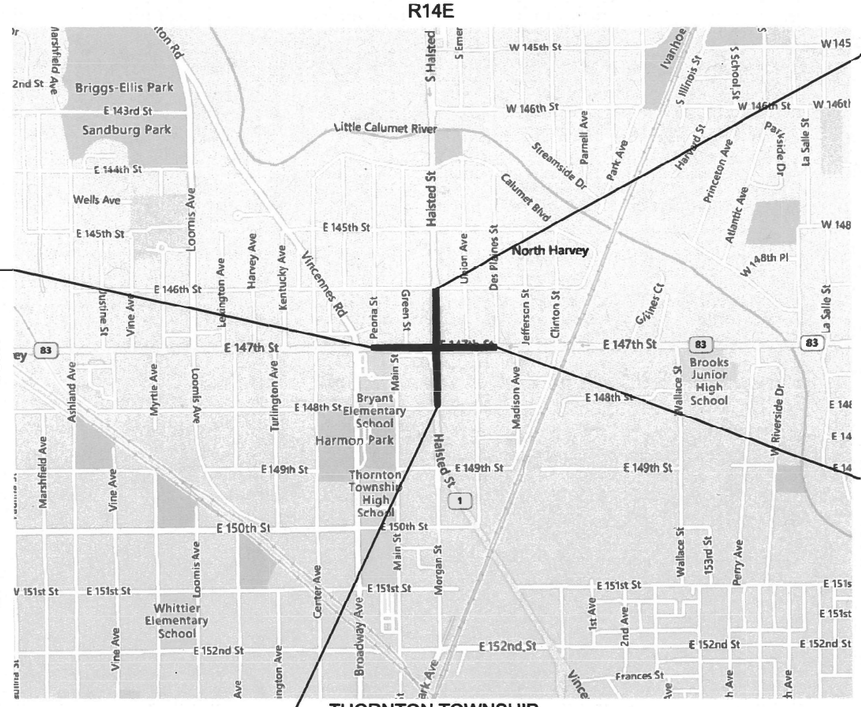
C-91-360-22

D-91-306-22



LOCATION OF SECTION INDICATED THUS: -

R14E



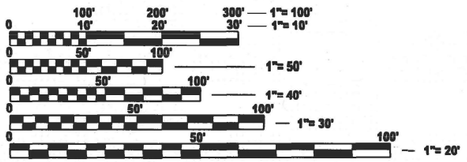
GROSS LENGTH = 1,332 FT. = 0.252 MILE
NET LENGTH = 1,332 FT. = 0.252 MILE

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA
IL 1 ADT (2021) = 15,900
SPEED LIMIT: 30 MPH

IL 83 ADT (2021) = 26,300
SPEED LIMIT: 35 MPH

THE IMPROVEMENT IS LOCATED IN THE CITY OF HARVEY



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

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

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

CONTRACT NO. 62T51

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED JUNE 22 20 23

Jose Rivera
REGIONAL ENGINEER

February 2, 2024
ENGINEER OF DESIGN AND ENVIRONMENT

February 2, 2024
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SEP

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10	SCHEDULE OF EARTHWORK
11	ALIGNMENT, TIES, AND BENCHMARKS
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14 - 15	DRAINAGE PLAN
16 - 27	PLAT OF HIGHWAYS
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46 - 48	ADA RAMP DETAILS
49	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥15' (4.5m) (BD-01)
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51	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER (BD-07)
52	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
53	TYPICAL APPLICATION FOR RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
54	DISTRICT ONE TYPICAL PAVEMENT MARKING (TC-13)
55	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
56	ARTERIAL ROAD INFORMATION SIGN (TC-22)
57	MAST ARM MOUNTED STREET NAME SIGNS (TS-02)
58 - 64	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05)
65	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC (BE-240)
66	LIGHT POLE FOUNDATION 40' TO 47 1/2' M.H. 15" BOLT CIRCLE (BE-301)
67	ALUMINUM LIGHT POLE 47'-6" MOUNTING HEIGHT (BE-400)
68	LUMINAIRE SAFETY CABLE ASSEMBLY (BE-701)
69	MISCELLANEOUS ELECTRICAL DETAILS, SHEET A - (CABLE SPLICE, POLE WIRING, TRENCH DETAIL) (BE-702)
70	TEMPORARY LIGHT POLE (BE-800)
71 - 81	CROSS SECTIONS

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001 - 08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001 - 11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021 - 06	DEPRESSED CORNER FOR SIDEWALKS
442201 - 03	CLASS C AND D PATCHES
602011 - 02	CATCH BASIN, TYPE C
604001 - 05	FRAME AND LIDS, TYPE 1
606001 - 08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101 - 05	OFF-ROAD 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
701602 - 10	URBAN LANE CLOSURE, MULTILANE, 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 - 09	TRAFFIC CONTROL DEVICES
880001- 01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
3. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
5. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
6. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVER THE RECORD TO THE ENGINEER.
7. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
8. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, KALPANA.KANNAN-HOSADURGA, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
9. THE ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN, AT PATRICE.HARRIS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
10. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
11. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
12. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
13. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD, FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
14. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
15. THE CONTRACTOR SHALL MAINTAIN FULL ACCESS TO AT LEAST ONE SIDE OF THE SIDEWALK AT ALL TIMES. CROSSWALKS ARE TO BE MAINTAINED THROUGH THE USE OF EXISTING OR TEMPORARY PAVEMENT MARKINGS.
16. STORM SEWER CONSTRUCTED UNDER THE ROADWAY SHALL BE BACKFILLED ACCORDING TO METHOD 1 OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS.

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	DRAWN -	REVISED -	
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PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	2
		CONTRACT NO. 62T51		
		ILLINOIS FED. AID PROJECT		

REV-SEP

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	CONSTRUCTION CODE URBAN 0004 ROADWAY 90% FED 10% STATE	URBAN 0021 SIGNAL 90% FED 10% STATE	URBAN 0021 LIGHTING 100% TOLL CREDITS	URBAN 0021 EVP 100% TOLL CREDITS	URBAN 0043 SEWER CLEANING 100% STATE
	20200100	EARTH EXCAVATION	CU YD	3	0	0	0	0	0
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	73	73	0	0	0	0
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1	1	0	0	0	0
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1	1	0	0	0	0
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1	1	0	0	0	0
	25200110	SODDING, SALT TOLERANT	SQ YD	73	73	0	0	0	0
	25200200	SUPPLEMENTAL WATERING	UNIT	2.2	2.2	0	0	0	0
	28000510	INLET FILTERS	EACH	12	12	0	0	0	0
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	95	95	0	0	0	0
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	11	11	0	0	0	0
	42001300	PROTECTIVE COAT	SQ YD	779	779	0	0	0	0
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2911.5	2911.5	0	0	0	0
	42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	482.5	482.5	0	0	0	0
	42400800	DETECTABLE WARNINGS	SQ FT	131	131	0	0	0	0
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	88	88	0	0	0	0
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	437	437	0	0	0	0
	44000600	SIDEWALK REMOVAL	SQ FT	3390	3390	0	0	0	0
	44003100	MEDIAN REMOVAL	SQ FT	6886	6886	0	0	0	0
	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1	1	0	0	0	0
	60500050	REMOVING CATCH BASINS	EACH	1	1	0	0	0	0
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	437	437	0	0	0	0
	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	1290	1290	0	0	0	0
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	40	40	0	0	0	0
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3	0	0	0	0
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	0	0	0	0
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	0	0	0	0
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5	0	0	0	0
	67100100	MOBILIZATION	L SUM	1	1	0	0	0	0
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	0	0	0	0
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	0	0	0	0
	70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1	0	0	0	0
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	0	0	0	0
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	0	0	0	0
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	691	691	0	0	0	0
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1382	1382	0	0	0	0
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	416	416	0	0	0	0
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	9088	9088	0	0	0	0
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	1447	1447	0	0	0	0
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	890	890	0	0	0	0
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	153	153	0	0	0	0
	70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	691	691	0	0	0	0
*	72000200	SIGN PANEL - TYPE 2	SQ FT	50	0	50	0	0	0
*	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	20	20	0	0	0	0
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	416	416	0	0	0	0
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9088	9088	0	0	0	0
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1447	1447	0	0	0	0

SUMMARY OF QUANTITIES

CONSTRUCTION CODE

URBAN 0004 ROADWAY 90% FED 10% STATE | URBAN 0021 SIGNAL 90% FED 10% STATE | URBAN 0021 LIGHTING 100% TOLL CREDITS | URBAN 0021 EVP 100% TOLL CREDITS | URBAN 0043 SEWER CLEANING 100% STATE

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	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: | SHEET 1 OF 4 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	3
		CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

REV-SEP

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	CONSTRUCTION CODE URBAN 0004 ROADWAY 90% FED 10% STATE	URBAN 0021 SIGNAL 90% FED 10% STATE	URBAN 0021 LIGHTING 100% TOLL CREDITS	URBAN 0021 EVP 100% TOLL CREDITS	URBAN 0043 SEWER CLEANING 100% STATE
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	890	890	0	0	0	0
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	153	153	0	0	0	0
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	231	231	0	0	0	0
*	78100300	REPLACEMENT REFLECTOR	EACH	30	30	0	0	0	0
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	267	267	0	0	0	0
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3525	3525	0	0	0	0
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1451	0	1451	0	0	0
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	51	0	51	0	0	0
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	663	0	503	160	0	0
*	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	1365	0	0	1365	0	0
*	81400100	HANDHOLE	EACH	7	0	7	0	0	0
*	81400200	HEAVY-DUTY HANDHOLE	EACH	4	0	4	0	0	0
*	81400300	DOUBLE HANDHOLE	EACH	2	0	2	0	0	0
*	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	896	0	896	0	0	0
*	81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2710	0	0	2710	0	0
*	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	8130	0	0	8130	0	0
*	81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	250	0	0	250	0	0
*	82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	1	0	0	1	0	0
*	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4	0	4	0	0	0
*	83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	1	0	0	1	0	0
*	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1	0	0	1	0	0
*	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	6	0	0	6	0	0
*	84200804	REMOVAL OF POLE FOUNDATION	EACH	8	0	0	8	0	0

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	CONSTRUCTION CODE URBAN 0004 ROADWAY 90% FED 10% STATE	URBAN 0021 SIGNAL 90% FED 10% STATE	URBAN 0021 LIGHTING 100% TOLL CREDITS	URBAN 0021 EVP 100% TOLL CREDITS	URBAN 0043 SEWER CLEANING 100% STATE
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	0	2	0	0	0
*	86400100	TRANSCEIVER - FIBER OPTIC	EACH	1	0	1	0	0	0
*	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	950	0	950	0	0	0
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1288	0	1288	0	0	0
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1603	0	1320	0	283	0
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2252	0	2252	0	0	0
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1538	0	1538	0	0	0
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4331	0	4331	0	0	0
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	177	0	177	0	0	0
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	698	0	698	0	0	0
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	0	4	0	0	0
*	87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	2	0	2	0	0	0
*	87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	2	0	2	0	0	0
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20	0	20	0	0	0
*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	0	4	0	0	0
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48	0	48	0	0	0
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8	0	8	0	0	0
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	0	4	0	0	0
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	0	4	0	0	0
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	0	4	0	0	0
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	0	8	0	0	0
*	88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12	0	12	0	0	0

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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/15/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: 1"=50' | SHEET 2 OF 4 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	4
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	CONSTRUCTION CODE URBAN 0004 ROADWAY 90% FED 10% STATE	URBAN 0021 SIGNAL 90% FED 10% STATE	URBAN 0021 LIGHTING 100% TOLL CREDITS	URBAN 0021 EVP 100% TOLL CREDITS	URBAN 0043 SEWER CLEANING 100% STATE
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	16	0	16	0	0	0
*	88600100	DETECTOR LOOP, TYPE I	FOOT	792	0	792	0	0	0
*	89000200	TEMPORARY TRAFFIC SIGNAL INSTALLATION	L SUM	1	0	1	0	0	0
*	89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	0	2	0	0	0
*	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2	0	0	0	2	0
*	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1	0	0	0	1	0
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1900	0	1900	0	0	0
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	0	1	0	0	0
*	89502380	REMOVE EXISTING HANDHOLE	EACH	11	0	11	0	0	0
*	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1	0	1	0	0	0
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5	0	5	0	0	0
*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	291	0	0	0	291	0
*	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	1061	0	1061	0	0	0
	X0325207	TELEVISION INSPECTION OF SEWER	FOOT	1332	1332	0	0	0	0
*	X1400012	REMOVE AND REINSTALL FIBER OPTIC IN CONDUIT	FOOT	730	0	730	0	0	0
*	X1400108	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1	0	1	0	0	0
*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	0	1	0	0	0
*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1	0	1	0	0	0
	X4421788	CLASS D PATCHES, TYPE I, 12 INCH (SPECIAL)	SQ YD	8	8	0	0	0	0
	X4421790	CLASS D PATCHES, TYPE II, 12 INCH (SPECIAL)	SQ YD	30	30	0	0	0	0
	X4420828	CLASS D PATCHES, TYPE III, 12 INCH (SPECIAL)	SQ YD	19	19	0	0	0	0

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	CONSTRUCTION CODE URBAN 0004 ROADWAY 90% FED 10% STATE	URBAN 0021 SIGNAL 90% FED 10% STATE	URBAN 0021 LIGHTING 100% TOLL CREDITS	URBAN 0021 EVP 100% TOLL CREDITS	URBAN 0043 SEWER CLEANING 100% STATE
	X4421791	CLASS D PATCHES, TYPE IV, 12 INCH (SPECIAL)	SQ YD	748	748	0	0	0	0
	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	684	0	0	0	0	684
	X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	974	0	0	0	0	974
	X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	359	0	0	0	0	359
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12	0	0	0	0
*	X8100105	CONDUIT SPLICE	EACH	9	0	2	7	0	0
*	X8211008	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4	0	0	4	0	0
*	X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1	0	1	0	0	0
*	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1	0	1	0	0	0
*	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	950	0	950	0	0	0
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	0	8	0	0	0
*	X8772115	TEMPORARY MAST ARM, ALUMINUM, 15FT	EACH	4	0	0	4	0	0
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4	0	4	0	0	0
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	0	0	0	0
	Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	2	2	0	0	0	0
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	26	0	0	0	0	26
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	102.8	102.8	0	0	0	0
*	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	5	0	4	1	0	0
*	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6	0	0	6	0	0
*	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1	0	1	0	0	0
*	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	0	1	0	0	0
Ø	Z0076600	TRAINEES	HOURS	500	500				
Ø	Z0077604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500				

Ø 0042

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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/15/2023	DATE -	REVISED -

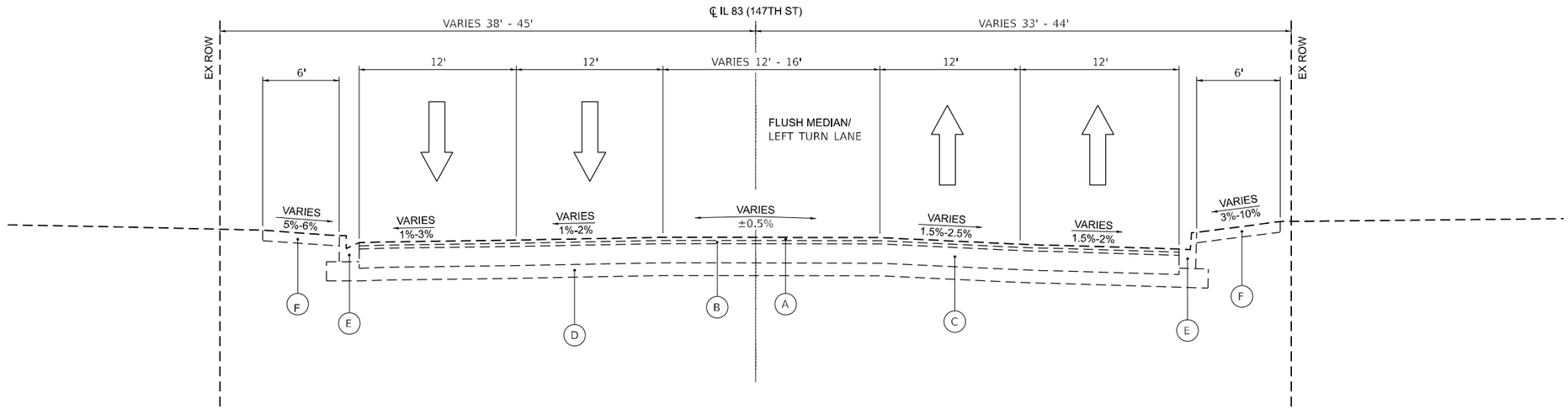
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: 1"=50' | SHEET 3 OF 4 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	5
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

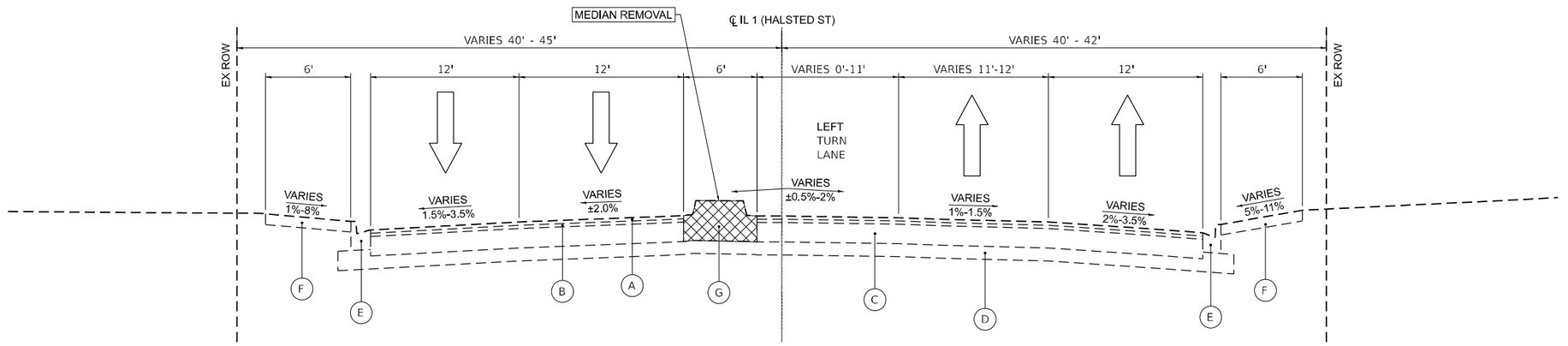


IL 83 (147TH ST) EXISTING TYPICAL SECTION

STA 192+98 TO STA 206+30

LEGEND

- (A) HOT-MIX ASPHALT SURFACE COURSE, 1-1/2"
- (B) HOT-MIX ASPHALT BINDER COURSE, 1-1/2"
- (C) PCC BASE COURSE, 9"
- (D) SUB-BASE GRANULAR MATERIAL TYPE A, 6"
- (E) COMBINATION CONCRETE CURB & GUTTER, B-6.12
- (F) PCC SIDEWALK, 5"
- (G) CONCRETE MEDIAN, TYPE SB-6.12
- (H) CORRUGATED CONCRETE MEDIAN



IL 1 (HALSTED ST) EXISTING TYPICAL SECTION

STA 103+79 TO STA 105+80

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	DRAWN -	REVISED -	
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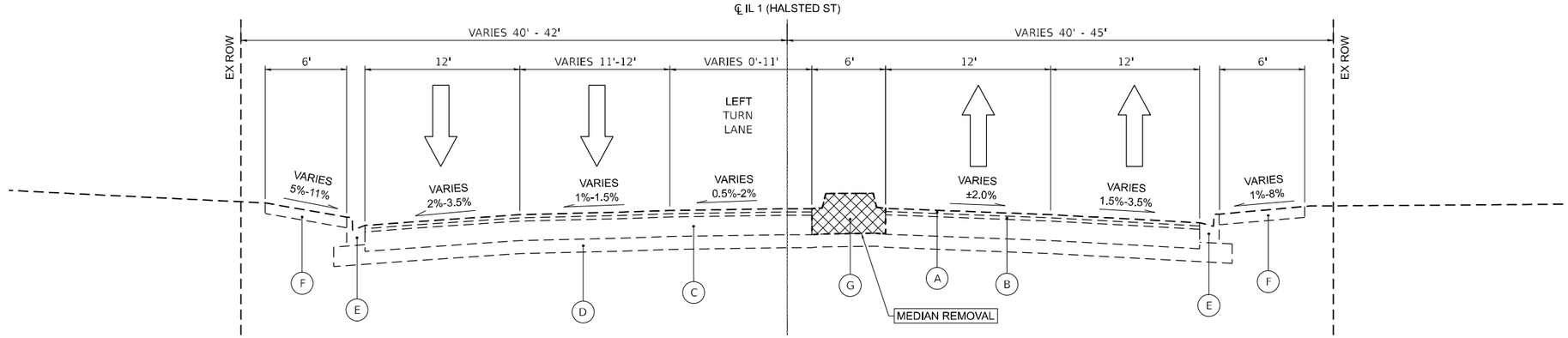
PLOT DATE = 12/15/2023	DATE -	REVISED -	

TYPICAL SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	6
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	

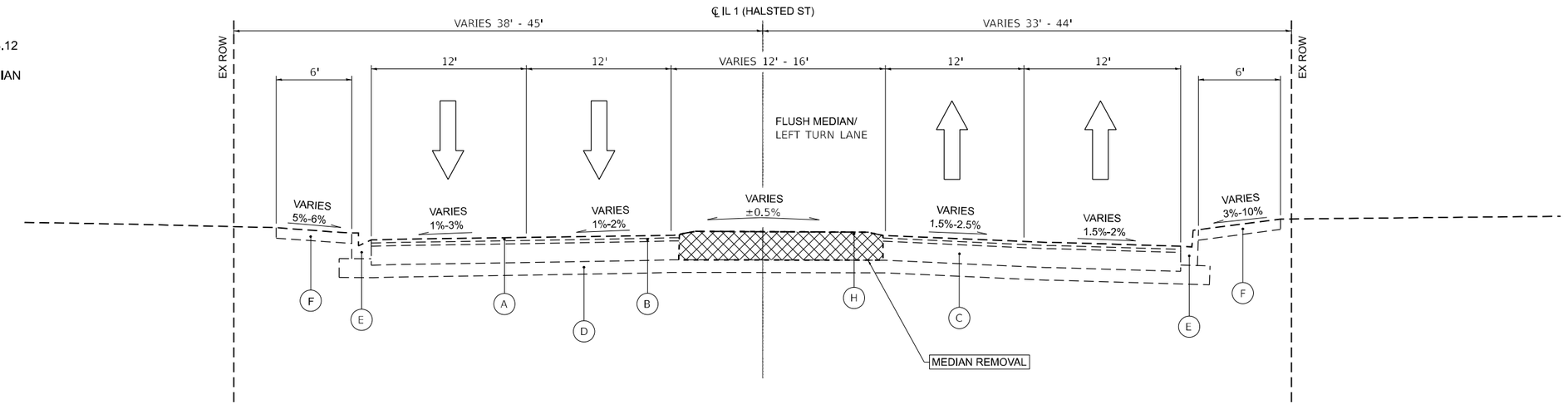


IL 1 (HALSTED ST) EXISTING TYPICAL SECTION

STA 106+80 TO STA 107+91

LEGEND

- (A) HOT-MIX ASPHALT SURFACE COURSE, 1-1/2"
- (B) HOT-MIX ASPHALT BINDER COURSE, 1-1/2"
- (C) PCC BASE COURSE, 9"
- (D) SUB-BASE GRANULAR MATERIAL TYPE A, 6"
- (E) COMBINATION CONCRETE CURB & GUTTER, B-6.12
- (F) PCC SIDEWALK, 5"
- (G) CONCRETE MEDIAN, TYPE SB-6.12
- (H) CORRUGATED CONCRETE MEDIAN



IL 1 (HALSTED ST) EXISTING TYPICAL SECTION

STA 102+40 TO STA 103+79
STA 107+92 TO STA 111+64

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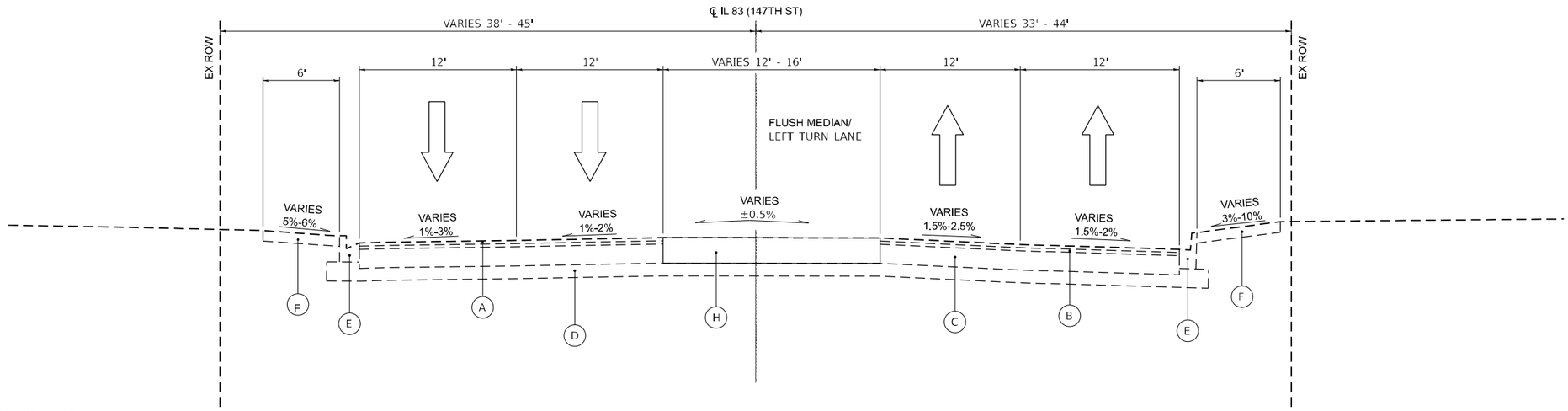
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	7
		CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

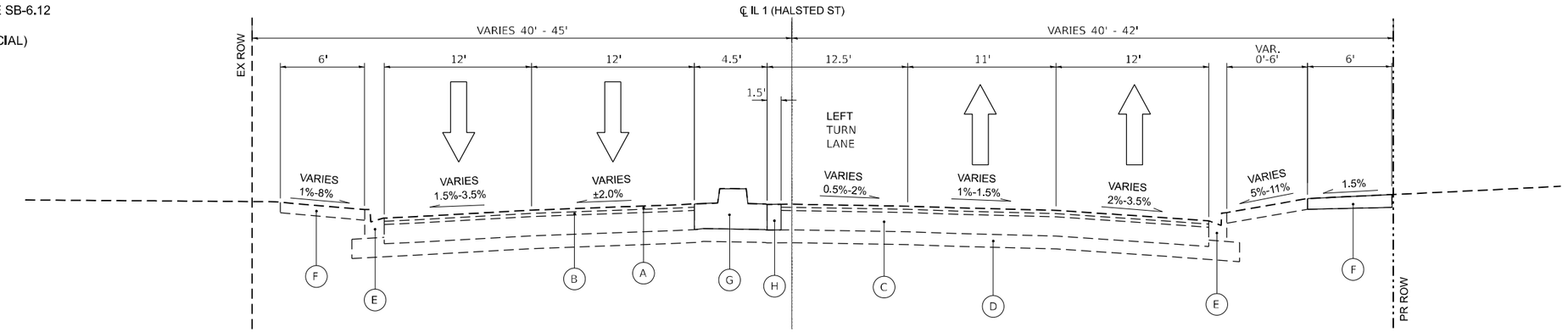


LEGEND

- (A) HOT-MIX ASPHALT SURFACE COURSE, 1-1/2"
- (B) HOT-MIX ASPHALT BINDER COURSE, 1-1/2"
- (C) PCC BASE COURSE, 9"
- (D) SUB-BASE GRANULAR MATERIAL TYPE A, 6"
- (E) COMBINATION CONCRETE CURB & GUTTER, B-6.12
- (F) PCC SIDEWALK, 5"
- (G) CONCRETE MEDIAN, TYPE SB-6.12
- (H) CLASS D PATCH, 12" (SPECIAL)

IL 1 (HALSTED ST) PROPOSED TYPICAL SECTION

STA 102+40 TO STA 103+79
STA 107+92 TO STA 112+09



IL 1 (HALSTED ST) PROPOSED TYPICAL SECTION

STA 103+79 TO STA 105+75

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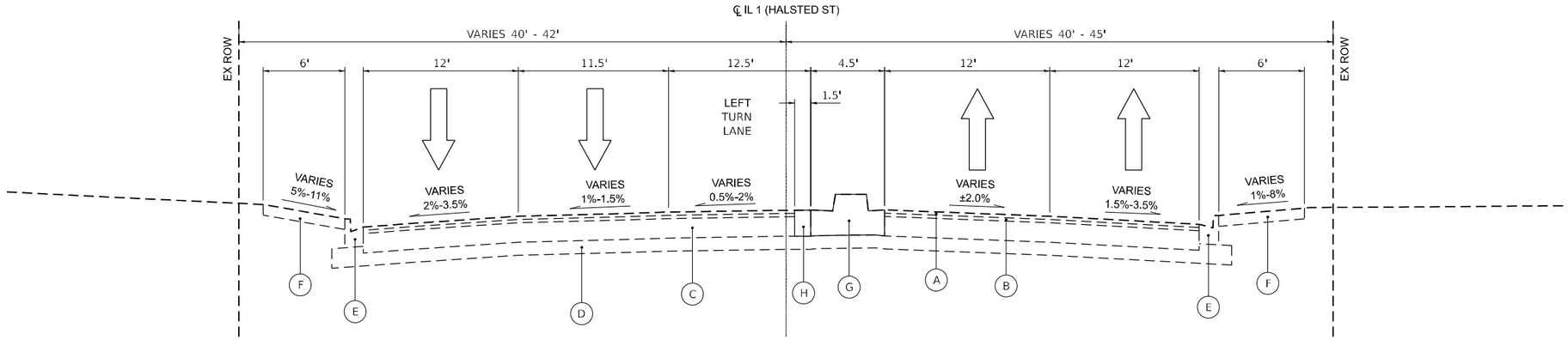
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	8
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	



IL 1 (HALSTED ST) PROPOSED TYPICAL SECTION

STA 106+90 TO STA 107+90

LEGEND

- (A) HOT-MIX ASPHALT SURFACE COURSE, 1-1/2"
- (B) HOT-MIX ASPHALT BINDER COURSE, 1-1/2"
- (C) PCC BASE COURSE, 9"
- (D) SUB-BASE GRANULAR MATERIAL TYPE A, 6"
- (E) COMBINATION CONCRETE CURB & GUTTER, B-6.12
- (F) PCC SIDEWALK, 5"
- (G) CONCRETE MEDIAN, TYPE SB-6.12
- (H) CLASS D PATCH, 12" (SPECIAL)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
CLASS D PATCHES (SPECIAL)		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 10"	4% @ 50 Gyr.	QC/QA
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 Gyr.	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 8"	4% @ 50 Gyr.	QC/QA
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 Gyr.	QC/QA
QMP Designations: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP); Pay for Performance (PFP)		

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

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

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	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

TYPICAL SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)
SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	9

CONTRACT NO. 62T51
ILLINOIS FED. AID PROJECT

LOCATION			EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	FILL	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = 4"	TOPSOIL ADJUSTED FOR a(5)	TOPSOIL FILL DEPTH = 4"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
IL-1			CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
STATION	TO	STATION								
102+00.00	-	102+50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102+50.00	-	103+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103+00.00	-	103+50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103+50.00	-	104+00.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104+00.00	-	104+50.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104+50.00	-	104+60.16	0.37	0.00	0.01	-0.01	0.00	0.00	0.00	0.00
104+60.16	-	105+00.00	0.41	0.00	0.01	-0.01	0.00	0.00	0.00	0.00
105+00.00	-	105+35.68	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105+35.68	-	105+50.00	0.35	0.00	0.02	-0.02	0.00	0.00	0.00	0.00
105+50.00	-	106+00.00	0.12	0.00	0.02	-0.02	0.00	0.00	0.00	0.00
106+00.00	-	106+50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106+50.00	-	107+00.00	0.00	0.00	0.06	-0.06	0.01	0.00	0.00	0.00
107+00.00	-	107+50.00	0.00	0.00	0.06	-0.06	0.01	0.00	0.00	0.00
107+50.00	-	108+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108+00.00	-	108+50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108+50.00	-	109+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109+00.00	-	109+50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109+50.00	-	110+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110+00.00	-	110+50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110+50.00	-	111+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111+00.00	-	111+50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111+50.00	-	112+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112+00.00	-	112+50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUB-TOTAL			2.03	0.00	0.18	-0.18	0.01	0.00	0.00	0.00

EARTHWORK NOTES:

1. STATION RANGE
2. VOLUME TO BE CUT
3. VOLUME TO BE USED AS FILL AFTER A 15% SHRINKAGE ADJUSTMENT OR OMISSION DUE TO HAVING AN A(5) CONTAMINATED SITE PER THE PSI REPORT
4. VOLUME TO BE FILLED
5. COLUMN (4) MINUS COLUMN (3)
6. TOPSOIL STRIPPING VOLUME
7. TOPSOIL VOLUME ADJUSTED BY OMISSION OF A(5) CONTAMINATED SITES PER THE PSI REPORT
8. TOPSOIL FURNISH VOLUME
9. COLUMN (8) MINUS COLUMN (7)

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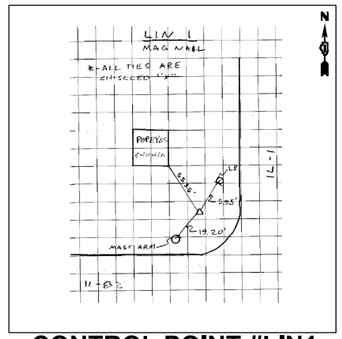
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF EARTHWORK
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

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

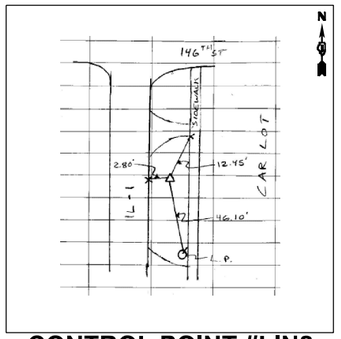
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	10
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		



CONTROL POINT #LIN1

SET MAG NAIL N.W. QUAD. OF
IL. ROUTE 1 AND IL. ROUTE 83

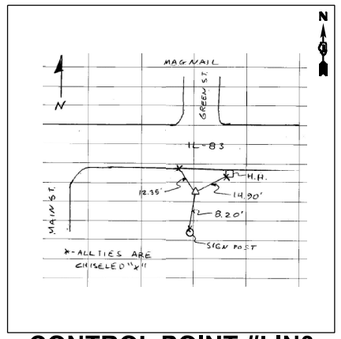
STA. 106+96.20
N= 1805898.276
E= 1173390.699
ELEV.= 599.278'



CONTROL POINT #LIN2

SET 1/2" REBAR W/CAP E. SIDE OF
IL ROUTE 1 N. OF IL. ROUTE 83

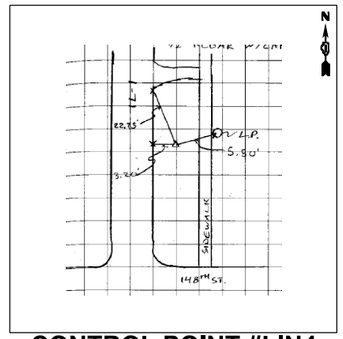
STA. 112+00.19
N= 1806403.331
E= 1173458.193
ELEV.= 599.434'



CONTROL POINT #LIN3

SET MAG NAIL IN PARKING LOT ON S.
SIDE OF IL. ROUTE 83 W. OF IL. ROUTE 1

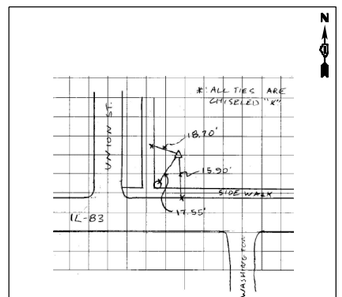
STA. 105+91.43
N= 1805789.096
E= 1173096.021
ELEV.= 599.240'



CONTROL POINT #LIN4

SET 1/2" REBAR W/CAP E. SIDE OF
IL. ROUTE 1 S. OF IL. ROUTE 83

STA. 100+90.86
N= 1805294.169
E= 1173477.725
ELEV.= 600.045'



CONTROL POINT #LIN5

SET 1/2" REBAR W/CAP AT N.E. QUAD.
OF IL. ROUTE 83 AND UNION ST.

STA. 106+76.22
N= 1805884.650
E= 1173816.119
ELEV.= 598.696'

BENCHMARK #1

ELEV. 600.436'

"X" - CUT IN ON S.E. BOLT OF LIGHT POLE AT S.W. QUAD. OF IL. ROUTE 1 AND IL. ROUTE 83

BENCHMARK #2

ELEV. 599.336'

"X" - CUT IN ON S.E. BOLT OF FOOD MART SIGN AT 14620 HALSTED ST.

BENCHMARK #3

ELEV. 599.437'

"X" - CUT IN ON N.W. BOLT OF FIRST LIGHT POLE E. OF MAIN ST. ON S. SIDE OF IL. ROUTE 83

BENCHMARK #4

ELEV. 600.123'

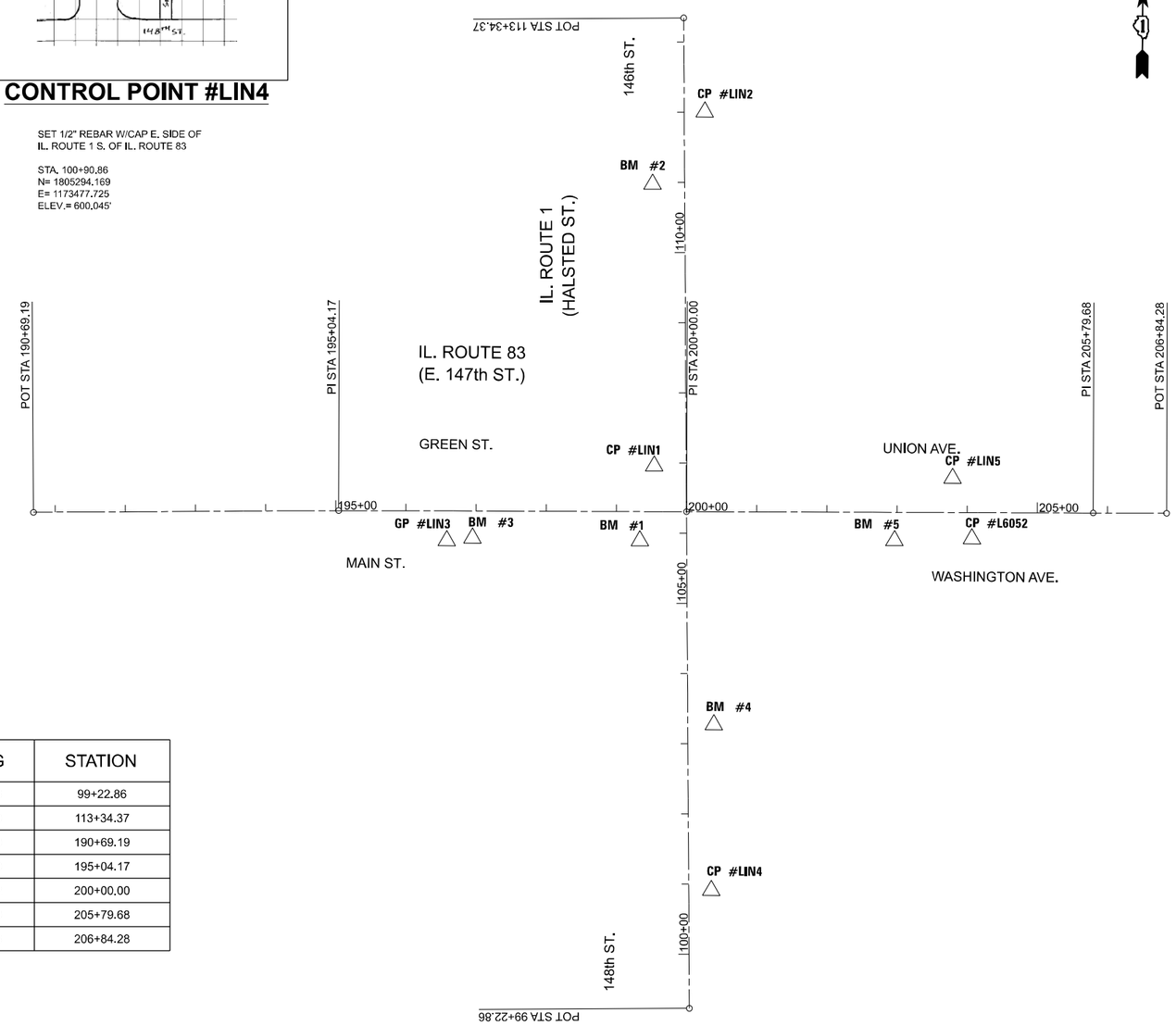
"X" - CUT IN ON S.W. BOLT OF LIGHT POLE IN FRONT OF JOE WILLIES AT 14719 HALSTED ST.

BENCHMARK #5

ELEV. = 599.884'

□ - CUT IN ON N.E. CORNER OF CURB OF NEIGHBORHOOD GROCERY PARKING LOT 276 SIBLEY BLVD.

ROUTE	POINT	NORTHING	EASTING	STATION
IL ROUTE 1 (HALSTED ST)	POT #01	1805125.705	1173447.886	99+22.86
	POT #02	1806537.061	1173426.819	113+34.37
IL ROUTE 83 (SIBLEY BLVD / E 147TH ST)	POT #03	1805823.993	1172506.570	190+69.19
	PI #01	1805830.396	1172941.499	195+04.17
	PI #02	1805833.416	1173437.322	200+00.00
	PI #03	1805836.946	1174016.990	205+79.68
	POT #04	1805837.583	1174121.586	206+84.28



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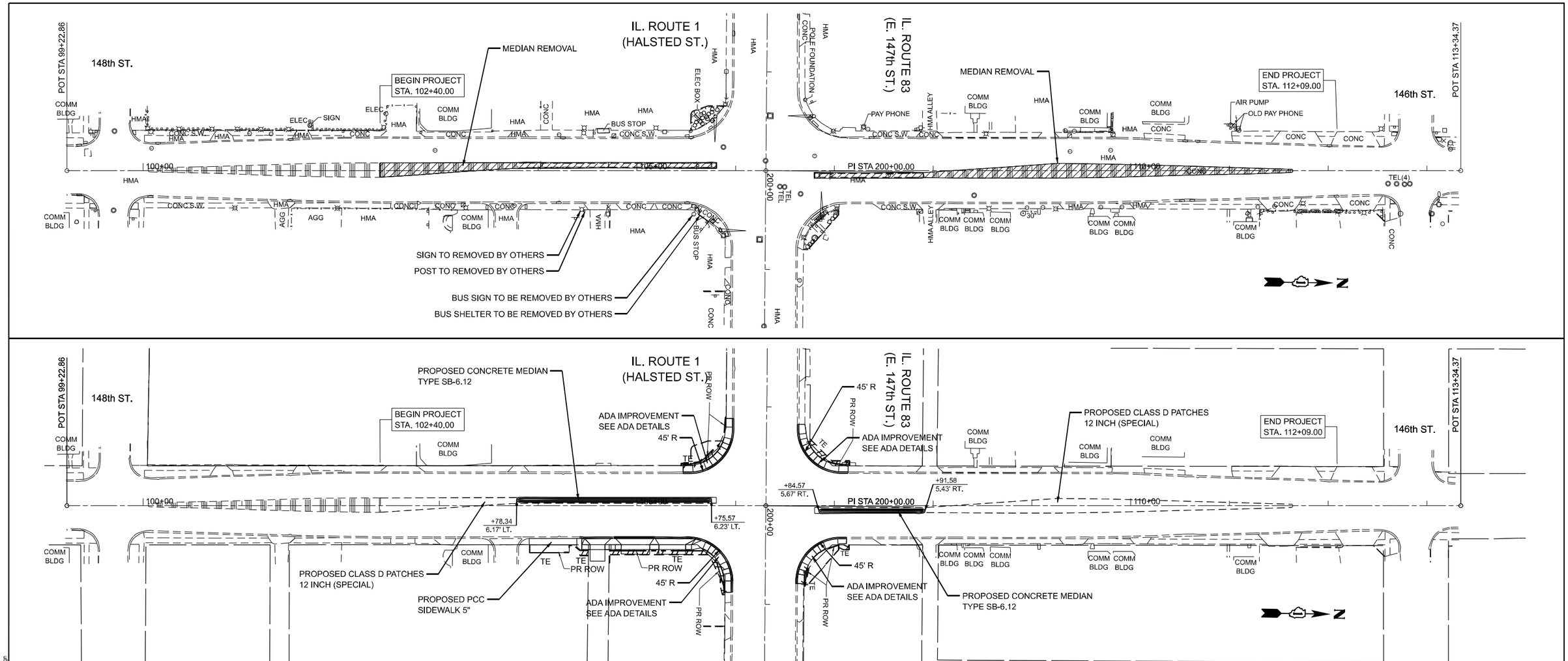
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

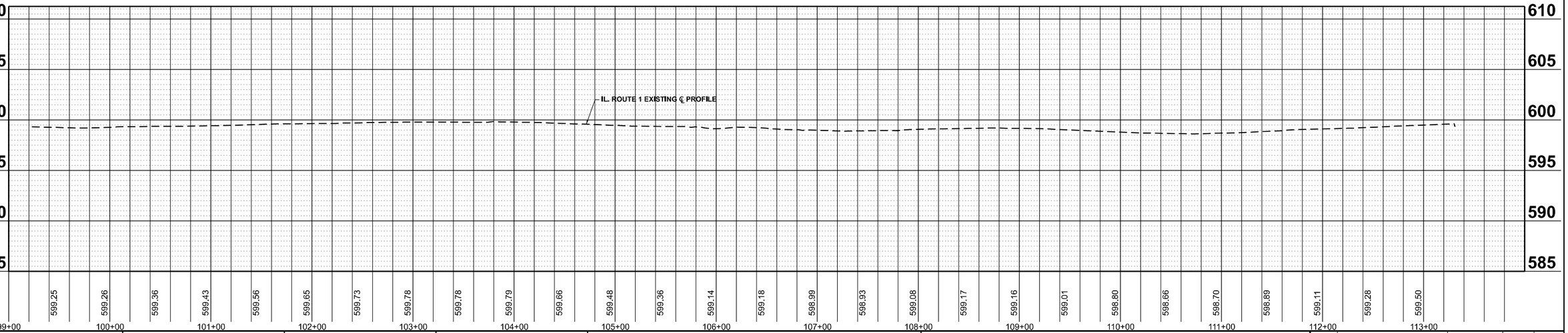
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: 1"=100' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	11
		CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			





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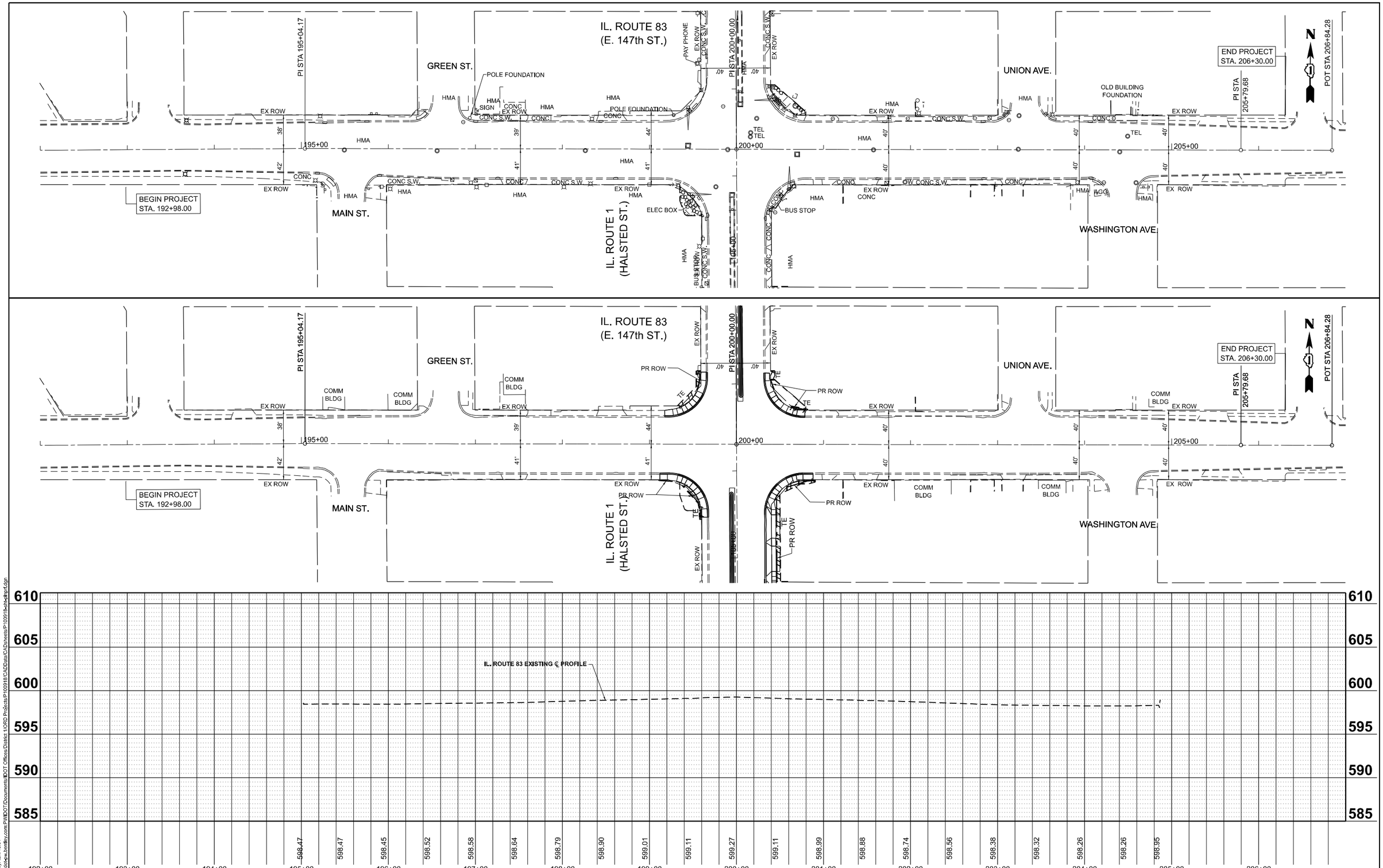
USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	12
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	



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USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

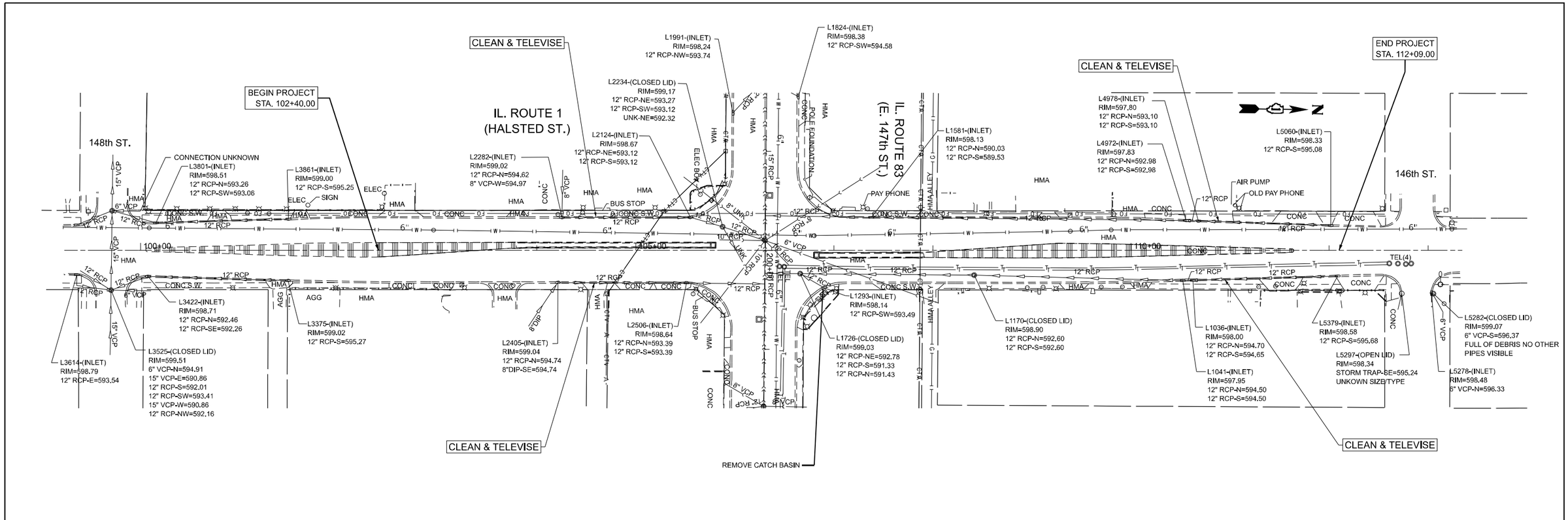
ROADWAY PLAN AND PROFILE
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

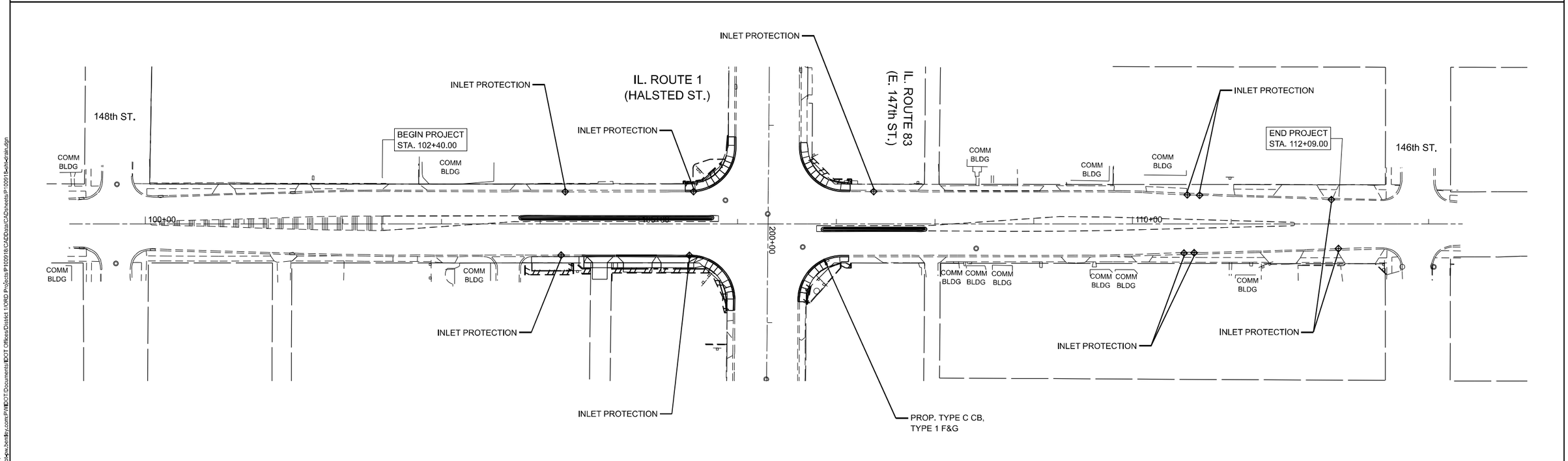
SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	13

CONTRACT NO. 62T51

ILLINOIS | FED. AID PROJECT





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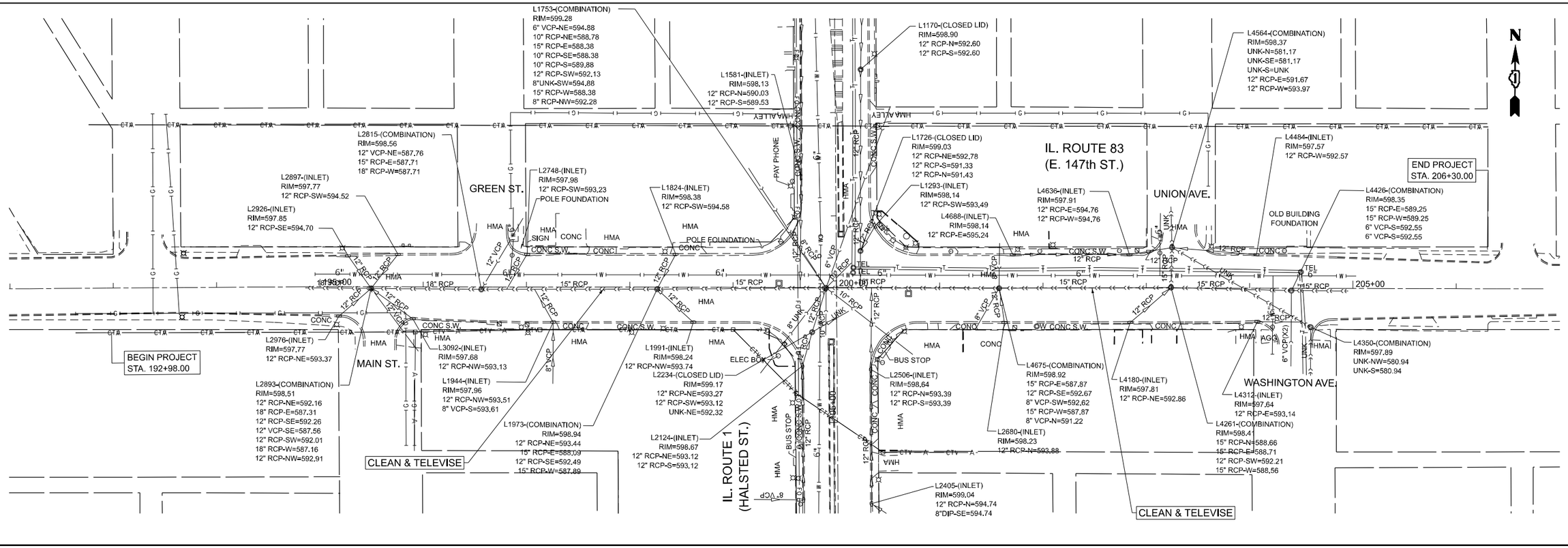
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

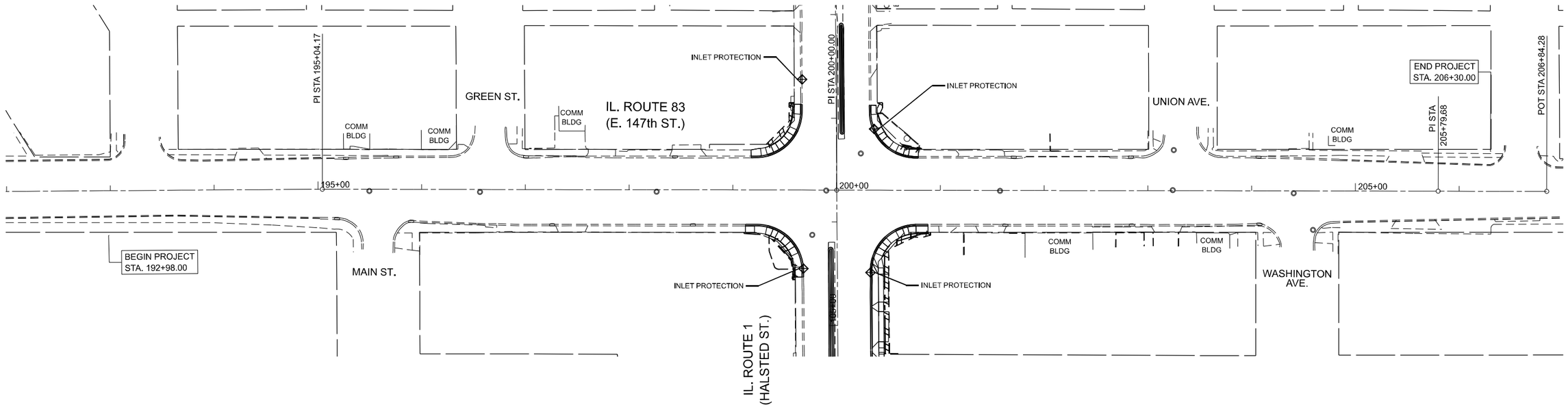
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	14
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	





USER NAME = daniel.woods	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

DRAINAGE AND UTILITIES PLAN
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	15
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	

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STATE OF ILLINOIS

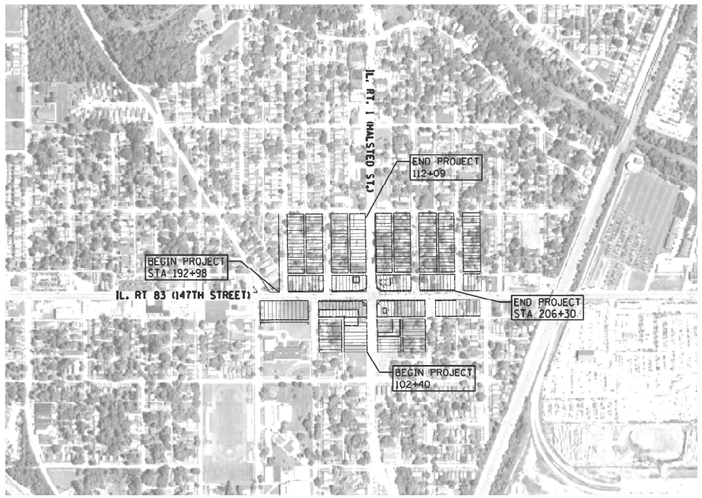
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

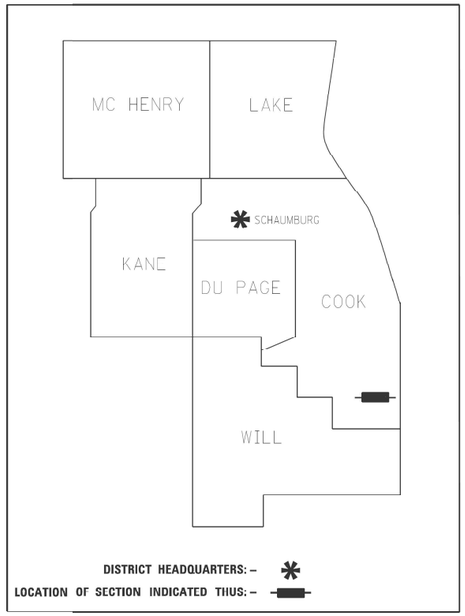
PLAT OF HIGHWAYS

ROUTE: IL. RT. 1 (HALSTED ST.)
SECTION:
COUNTY: COOK
LIMITS: AT IL. RT. 83 (147TH ST.)
JOB NO.: R-90-005-20

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
OM00001 OM00001TE	JUBILEE ENTERPRISES, INC.	4, 4A, 10	
OM00002-A OM00002-B OM00002TE-A OM00002TE-B	FIRST BUSINESS ENTERPRISES, INC. AN ILLINOIS CORPORATION	4, 4A, 10	
OM00003-A OM00003-B OM00003TE-A OM00003TE-B	TODD KLEIN	4, 4B, 10	
OM00004-A OM00004-B OM00004TE	SIBLEY HALSTED, LLC. AN ILLINOIS LIMITED LIABILTY COMPANY	4, 4B, 10	
OM00005 OM00005TE-A OM00005TE-B	HIS INVESTMENT II, L.L.C., AN ILLINOIS LIMITED LIABILITY COMPANY	7, 10	



LOCATION MAP



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

RETURN ORIGINAL TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SHAUMBURG ILLINOIS, 60169
ATTN: BUREAU OF LAND ACQUISITION

IDOT USE ONLY

APPROVED
By William Wright at 1:14 pm, Mar 05, 2021

MODEL: ROW page 1 [Sheet]
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USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

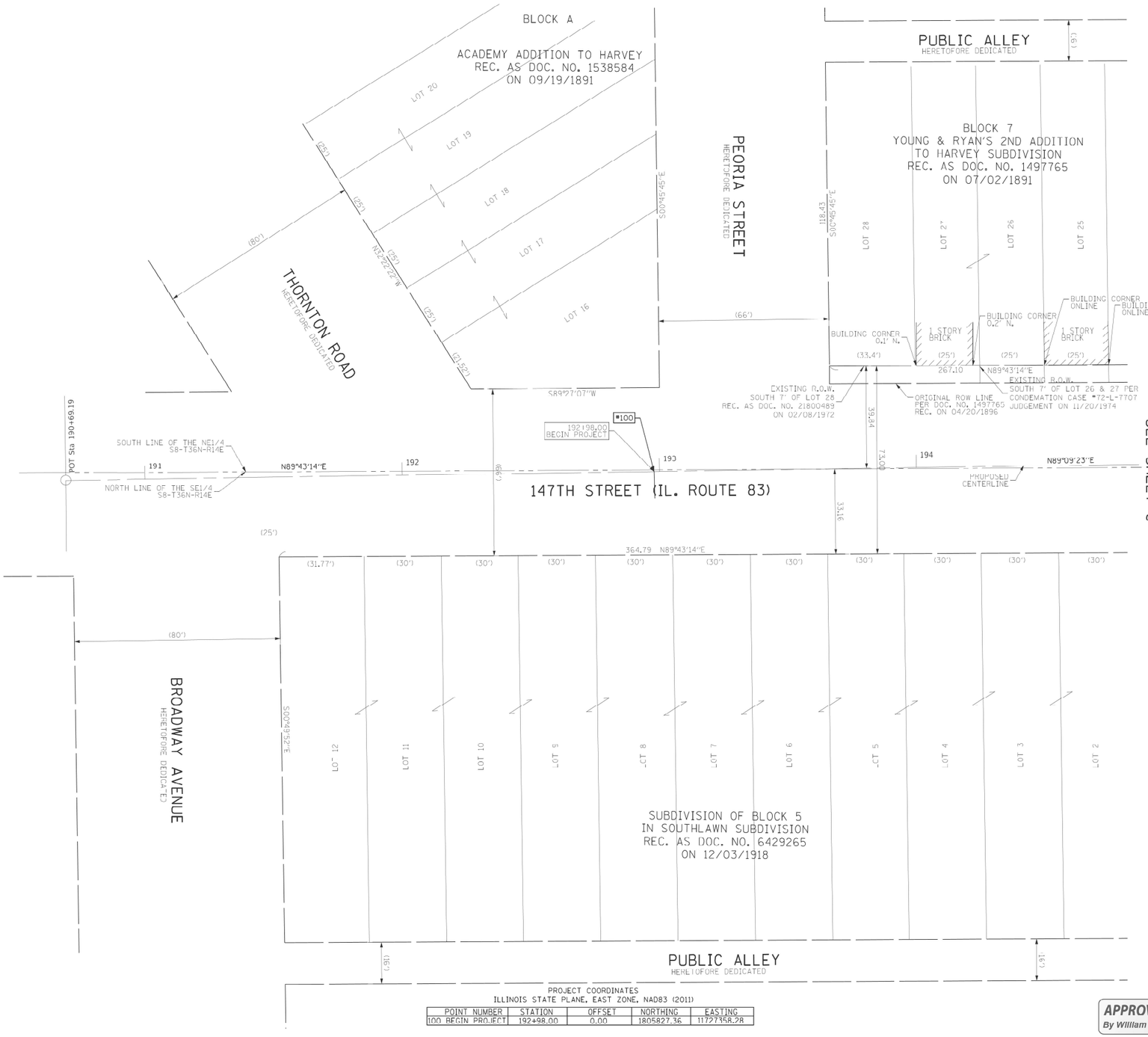
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

	PROJECT	JOB NO.
SCALE:	SHEET OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	16
		CONTRACT NO. 62T51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PART OF THE NE1/4 AND SE 1/4 OF SECTION 8, TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
100 BEGIN PROJECT	192+98.00	0.00	1805827.36	1177358.28

REVISION DATE: _/_/___ REVISION MADE BY: _____

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

129.32'
129.32' (COMP)
(129.32')

N

GRAPHIC SCALE
FEET
0 20
SCALE: 1"= 20'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
"MAG" NAIL SET
5 / 8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99999186
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON JUNE 20TH, 2020

STATE OF ILLINOIS)
)SS
COUNTY OF)

THIS IS TO CERTIFY THAT I, , AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, DB STERLIN CONSULTAMTS. INC. PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8 , TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____ , ILLINOIS THIS ___ DAY OF _____ 20 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3134
LICENSE EXPIRATION DATE: 11/30/2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. RT. 1 (HALSTED ST.)

LIMITS: AT IL. RT 83 (147TH ST.) COUNTY: COOK
SECTION: JOB NO.: R 90 005 20
STA. 192+98 TO STA. 194+86
SCALE: 1"=20' SHEET 2 OF 10 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

APPROVED
By William Wright at 1:15 pm, Mar 05, 2021

USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE:	PROJECT			JOB NO.	
	SHEET	OF	SHEETS	STA. 190+69	TO STA. 194+86

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	17
		CONTRACT NO. 62T51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MODEL: ROW page 2 [Sheet]
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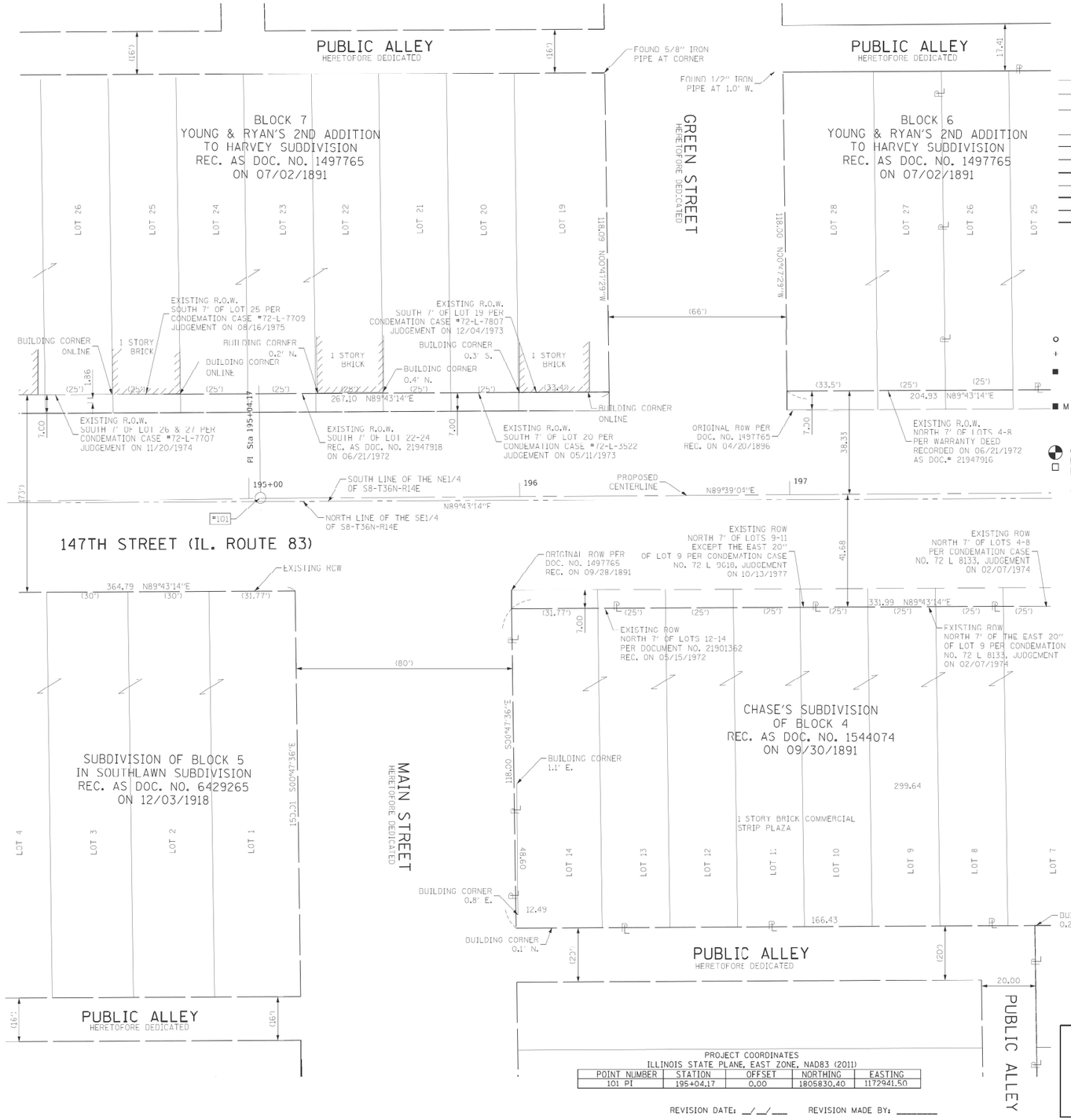
PART OF THE NE1/4 AND SE 1/4 OF SECTION 8, TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE FEET
SCALE: 1"= 20'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT) EAST ZONE.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5 / 8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999918
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON JUNE 20TH, 2020

STATE OF ILLINOIS)
)SS
COUNTY OF)

THIS IS TO CERTIFY THAT I, , AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, DB STERLIN CONSULTAMTS. INC. PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____ , ILLINOIS THIS ___ DAY OF_____ 20 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3134
LICENSE EXPIRATION DATE: 11/30/2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857 1006 FAX. (312)857 1056

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
101 PI	195+04.17	0.00	1805830.40	1172941.50

REVISION DATE: __/__/___ REVISION MADE BY: _____

APPROVED
By William Wright at 1:15 pm, Mar 05, 2021

IDOT USE ONLY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. RT. 1 (HALSTED ST.)

LIMITS: AT IL. RT 83 (147TH ST.) COUNTY: COOK
SECTION: JOD NO.: R 90 005 20
STA. 194+86 TO STA. 197+96
SCALE: 1"=20' SHEET 3 OF 10 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

SCALE:	PROJECT	JOB NO.
	SHEET OF SHEETS	STA. 194+86 TO STA. 197+96

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	18
		CONTRACT NO. 62T51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MODEL: ROW page 3 [Sheet]
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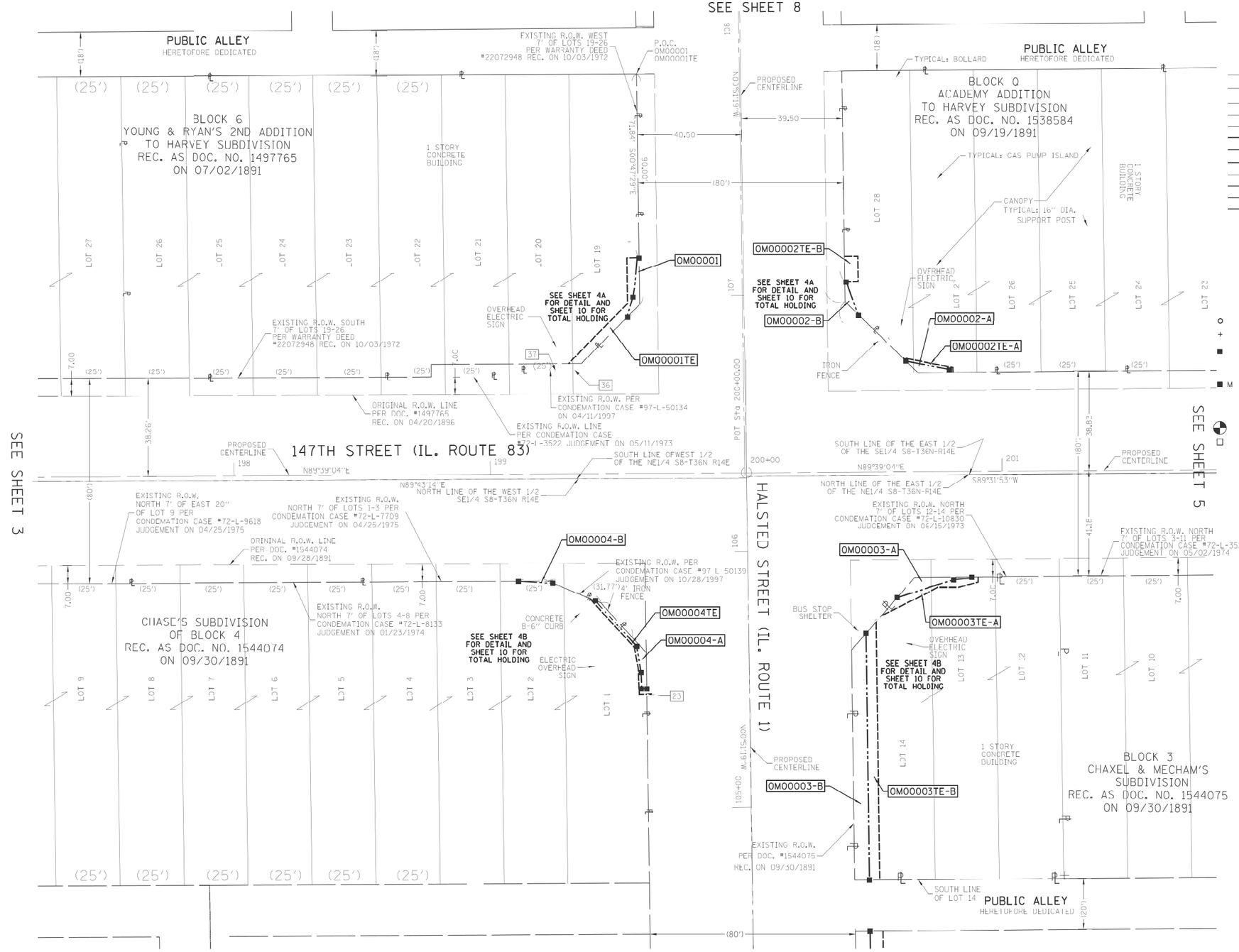
PART OF THE SE 1/4 AND NE 1/4 OF SECTION 8, TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

SEE SHEET 8



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

	SECTION / QUARTER SECTION LINE
	PLATTED LOT LINES
P	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
AC	EXISTING ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
129.32'	MEASURED DIMENSION
129.32' (COMP)	COMPUTED DIMENSION
(129.39')	RECORDED DIMENSION
	EXISTING BUILDING

N

GRAPHIC SCALE FEET 0 20

SCALE: 1"= 20'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,NAD83 (2011 ADJUSTMENT),EAST ZONE.

o	IRON PIPE OR ROD FOUND
+	CUT CROSS FOUND OR SET
⊕	"MAG" NAIL SET
●	5 / 8" REBAR SET
■	STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■	STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
■ M	PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 66701.02 (TO BE SET BY OTHERS)
	RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99999186
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON JUNE 20TH, 2020

STATE OF ILLINOIS)
)SS
COUNTY OF)

THIS IS TO CERTIFY THAT I, , AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, DB STERLIN CONSULTAMTS. INC. PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT . ILLINOIS THIS DAY OF 20 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3134
LICENSE EXPIRATION DATE: 11/30/2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. RT. 1 (HALSTED ST.)

LIMITS: AT IL. RT 83 (147TH ST.) COUNTY: COOK
SECTION: JOB NO.: R-90-005-20
STA. 197+96 TO STA. 201+70
SCALE: 1"=20' SHEET 4 OF 10 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

APPROVED
By William Wright at 1:15 pm, Mar 05, 2021

REVISION DATE: _/_/__ REVISION MADE BY: _____

USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

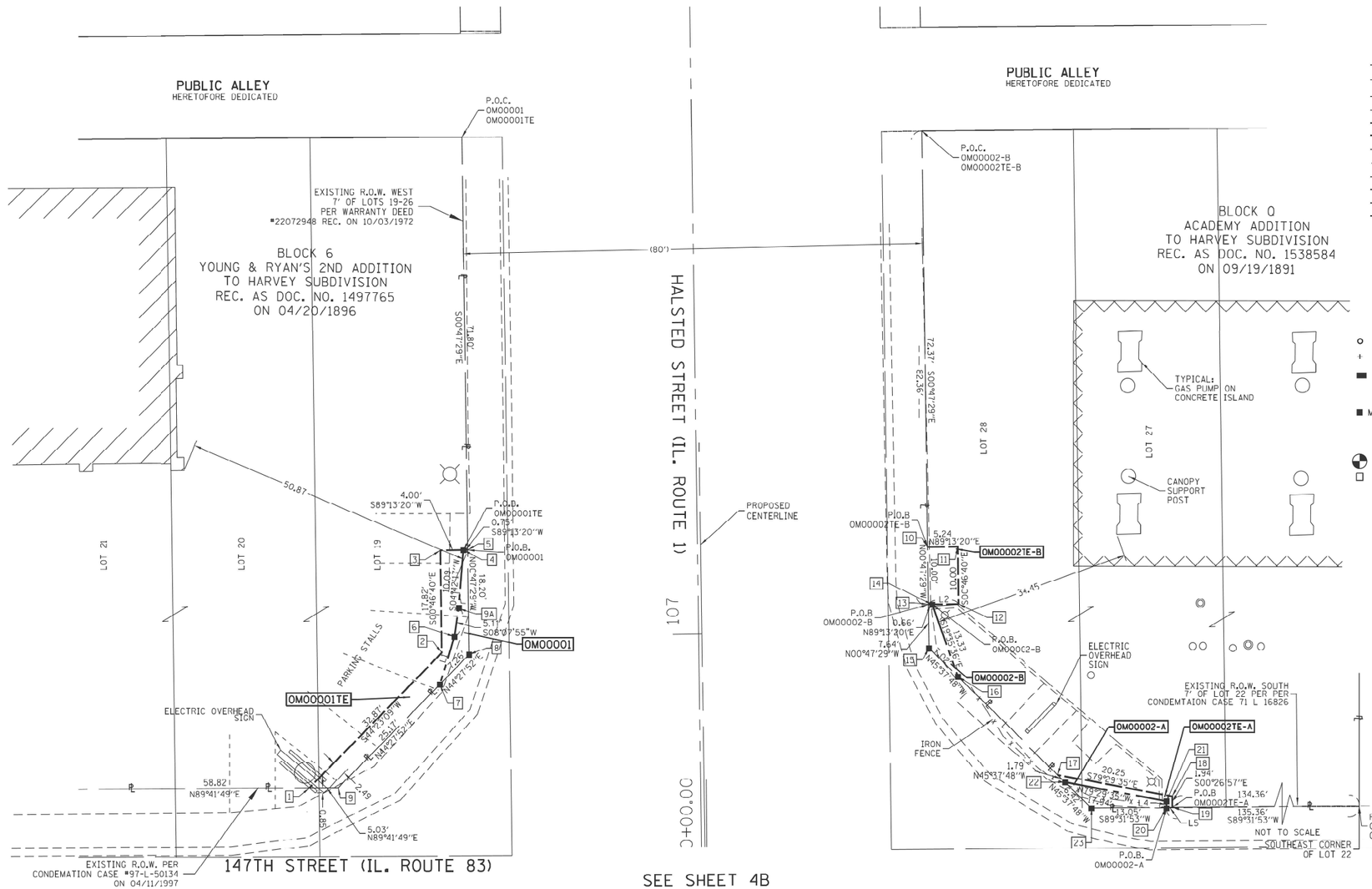
RIGHT OF WAY PLANS

	PROJECT		JOB NO.	
SCALE:	SHEET OF SHEETS	STA. 197+96	TO STA. 201+78	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	19
		CONTRACT NO. 62T51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MODEL: ROW page 4 [Sheet]
FILE NAME: pw:\\Bidcow.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\ORD Projects\P100918\CADData\CADData\Sheets\P100918-sht4cowplan.dgn

PART OF THE SE 1/4 AND NE 1/4 OF SECTION 8, TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

GRAPHIC SCALE
FEET
0 10'
SCALE: 1"= 10'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,NAD83 (2011 ADJUSTMENT),EAST ZONE.

- IRON PIPE OR ROD FOUND
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- "MAG" NAIL SET
- 5 / 8" REBAR SET
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- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 6671O1.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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STATE OF ILLINOIS)
)SS
COUNTY OF)

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DATED AT _____ , ILLINOIS THIS___ DAY OF_____ 20 A.D.

_____

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3134
LICENSE EXPIRATION DATE: 11/30/2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

LINE	DIRECTION	DISTANCE
L1	S17°03'30"W	8.63'
L2	S89°13'20"W	5.24'
L3	N00°46'40"W	22.92'
L4	N00°26'57"W	1.12'
L5	S89°31'53"W	1.00'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
0M00001	0.530	0.001 AC 42 SQ FT	N/A	0.529	N/A	N/A	29-08-224-055
0M00001TE		N/A	N/A		0.004	162	
0M00002-A	0.469	0.001 AC 40 SQ FT	N/A		N/A	N/A	29-08-225-052
0M00002-B		0.001 AC	N/A	0.468	N/A	N/A	29-08-225-039
0M00002TE-A		23 SQ FT	N/A		0.001	21	
0M00002TE-B		N/A	N/A		0.001	52	

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

COORDINATE TABLE				
PT. #	STATION	OFFSET	NORTHING	EASTING
1	106+74.29	68.66 LT	1805876.01	1173368.00
2	106+97.43	45.33 LT	1805899.52	1173391.00
3	107+15.25	45.31 LT	1805917.34	1173390.76
4	107+15.25	41.31 LT	1805917.39	1173394.76
5	107+15.25	40.55 LT	1805917.40	1173395.51
6	107+00.16	43.08 LT	1805902.27	1173393.21
7	106+91.94	45.74 LT	1805894.02	1173390.68
8	106+97.05	40.57 LT	1805899.20	1173395.76
9	106+74.24	63.63 LT	1805876.06	1173373.05
9A	107+05.21	42.28 LT	1805907.33	1173393.93
10	107+14.57	39.45 RT	1805917.92	1173475.52
11	107+14.57	44.65 RT	1805917.99	1173480.71
12	107+04.57	44.68 RT	1805907.99	1173480.90

COORDINATE TABLE				
PT. #	STATION	OFFSET	NORTHING	EASTING
13	107+04.57	39.44 RT	1805907.92	1173475.66
14	107+04.57	40.10 RT	1805907.93	1173476.31
15	106+96.94	39.43 RT	1805900.28	1173475.76
16	106+91.95	44.38 RT	1805895.37	1173480.78
17	106+74.58	61.61 RT	1805878.26	1173498.27
18	106+70.59	81.47 RT	1805874.57	1173518.18
19	106+68.65	81.45 RT	1805872.63	1173518.20
20	106+68.66	80.45 RT	1805872.62	1173517.20
21	106+69.77	80.46 RT	1805873.74	1173517.19
22	106+73.31	62.88 RT	1805877.01	1173499.55
23	106+68.75	67.40 RT	1805872.51	1173504.15

REVISION DATE: __/__/___ REVISION MADE BY: _____

IDOT USE ONLY

APPROVED
By William Wright at 11:52 am, Nov 07, 2022

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. RT. 1 (HALSTED ST.)

LIMITS: AT IL. RT 83 (147TH ST.) COUNTY: COOK
SECTION: JOB NO.: R-90-005-20
STA. 106+71.78 TO STA. 107+14.57
SCALE: 1"=10' SHEET 4A OF 10 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

	PROJECT		JOB NO.	
SCALE:	SHEET OF SHEETS	STA. 106+72	TO STA. 107+15	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	20
		CONTRACT NO. 62T51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MODEL: ROW page 5 [Sheet]
FILE NAME: pw:\\Bossw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\ORD Projects\P100918\CADData\CADSheets\P100918-sht4cowdan.dgn

PART OF THE SE 1/4 AND NE 1/4 OF SECTION 8, TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LINE	DIRECTION	DISTANCE
L13	S85°18'42"W	7.03'
L14	S00°26'57"E	0.37'
L15	N00°26'57"W	2.05'
L16	N89°08'34"E	1.97'
L17	S01°55'00"E	6.31'
L18	S09°29'49"E	10.59'
L19	N68°00'14"W	2.48'
L20	S68°00'14"E	2.32'

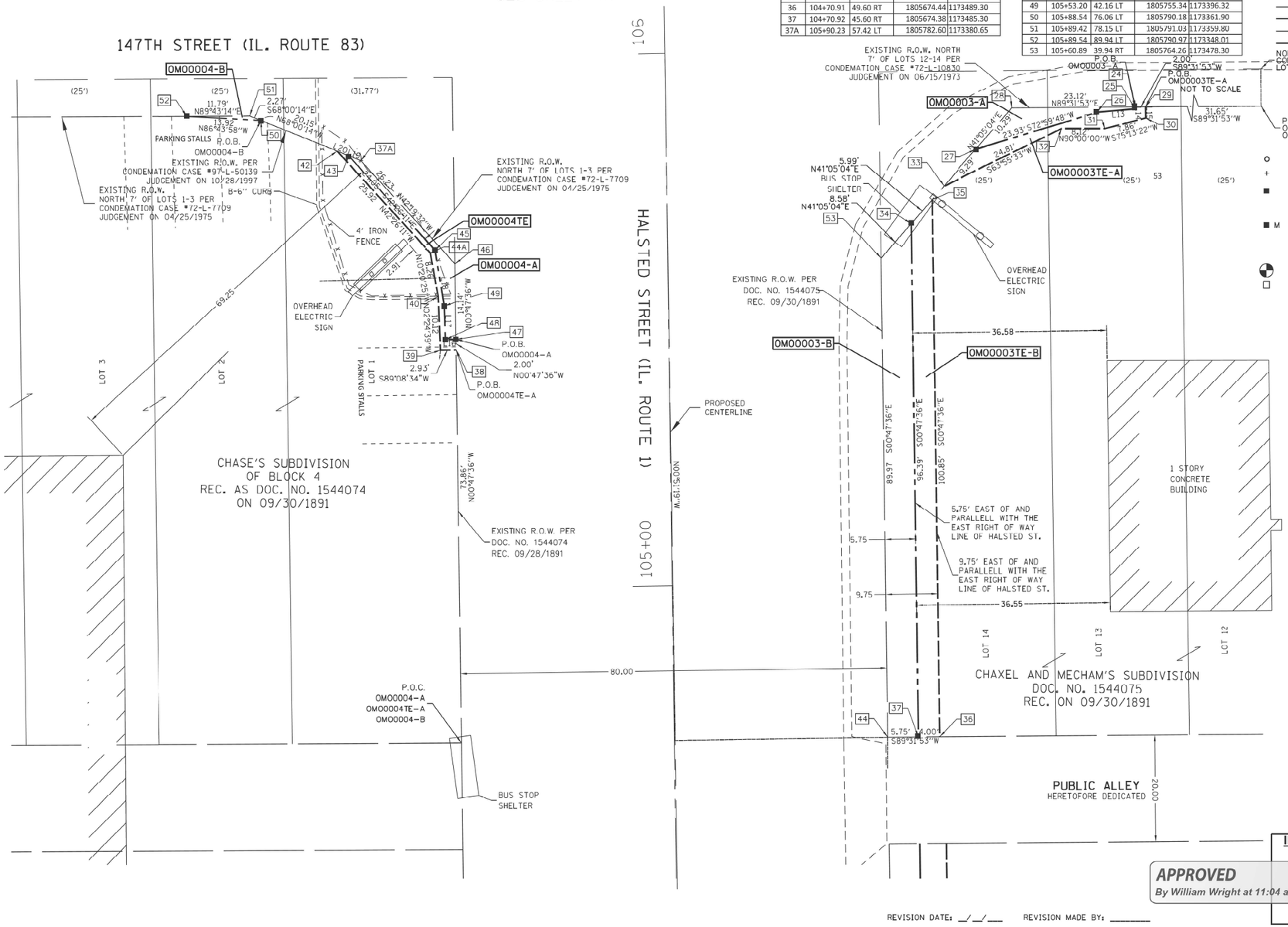
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
0M00003-A	0.214	0.002 AC 77 SQ FT	N/A	0.200	N/A	N/A	29-08-403-048
0M00003-B		0.012 AC	N/A		N/A	N/A	
0M00003TE-A		N/A	N/A	N/A	0.002	91	
0M00003TE-B		N/A	N/A	N/A	0.009	394	
0M00004-A	1.252	0.002 65 SQ FT	N/A	1.250	N/A	N/A	29-08-402-048 29-08-402-049 29-08-402-050 29-08-402-028 29-08-402-029 29-08-402-051
0M00004-B		5 SQ FT	N/A		N/A	N/A	
0M00004TE		N/A	N/A	N/A	0.001	41	

SEE SHEET 4A

PROJECT COORDINATES
Illinois State Plane, East Zone, NAD 83 (2011)

COORDINATE TABLE				
PT. #	STATION	OFFSET	NORTHING	EASTING
24	105+88.60	88.09 RT	1805792.69	1173526.03
25	105+88.23	88.09 RT	1805792.31	1173526.04
26	105+87.76	81.08 RT	1805791.74	1173519.03
27	105+81.10	58.10 RT	1805784.74	1173496.15
28	105+88.76	64.97 RT	1805792.50	1173502.91
29	105+88.59	90.09 RT	1805792.70	1173528.03
30	105+86.53	90.08 RT	1805790.65	1173528.05
31	105+84.64	82.45 RT	1805788.64	1173520.45
32	105+84.76	74.33 RT	1805788.64	1173512.33
33	105+74.19	51.89 RT	1805777.74	1173490.05
34	105+67.31	45.70 RT	1805770.76	1173483.96
35	105+71.75	49.70 RT	1805775.27	1173487.89
36	104+70.91	49.60 RT	1805674.44	1173489.30
37	104+70.92	45.60 RT	1805674.38	1173485.30
37A	105+90.23	57.42 LT	1805782.60	1173380.65

COORDINATE TABLE				
PT. #	STATION	OFFSET	NORTHING	EASTING
38	105+44.89	40.07 LT	1805747.07	1173398.53
39	105+44.89	43.01 LT	1805747.03	1173395.60
40	105+55.01	43.28 LT	1805757.14	1173395.18
41	105+63.16	44.64 LT	1805765.27	1173393.69
42	105+82.55	61.85 LT	1805784.40	1173376.20
43	105+81.65	59.71 LT	1805783.53	1173378.35
44	104+70.92	39.85 RT	1805674.30	1173479.55
44A	105+63.15	44.64 LT	1805765.27	1173393.69
45	105+63.66	43.75 LT	1805765.78	1173394.58
46	105+61.04	40.06 LT	1805763.21	1173398.31
47	105+46.89	40.07 LT	1805749.07	1173398.51
48	105+46.89	42.04 LT	1805749.04	1173396.54
49	105+53.20	42.16 LT	1805755.34	1173396.32
50	105+88.54	76.06 LT	1805790.18	1173361.90
51	105+89.42	78.15 LT	1805791.03	1173359.80
52	105+89.54	89.94 LT	1805790.97	1173348.01
53	105+60.89	39.94 RT	1805764.26	1173478.30



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

GRAPHIC SCALE FEET

SCALE: 1"= 10'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
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- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- "MAG" NAIL SET
- 5 / 8" REBAR SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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5. FIELD SURVEY COMPLETED ON JUNE 20TH, 2020

STATE OF ILLINOIS)
)SS
COUNTY OF)

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DATED AT _____ , ILLINOIS THIS ___ DAY OF_____ 20 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3134
LICENSE EXPIRATION DATE: 11/30/2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)867 1006 FAX. (312)867 1066

REVISION DATE: _/_/___ REVISION MADE BY: _____

IDOT USE ONLY

APPROVED
By William Wright at 11:04 am, Nov 07, 2022

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. RT. 1 (HALSTED ST.)

LIMITS: AT IL. RT 83 (147TH ST.) COUNTY: COOK
SECTION: JOB NO.: R-90-005-20
STA. 104+70.91 TO STA. 105+89.54
SCALE: 1"=10' SHEET 4B OF 10 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

	PROJECT	JOB NO.
SCALE:	SHEET OF SHEETS	STA. 104+71 TO STA. 105+90

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	21
		CONTRACT NO. 62T51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MODEL: ROW page 6 [Sheet]
FILE NAME: pw:\\bbsk-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\ORD Projects\P100918\CADData\CADsheets\P100918-sht-row-dan.dgn

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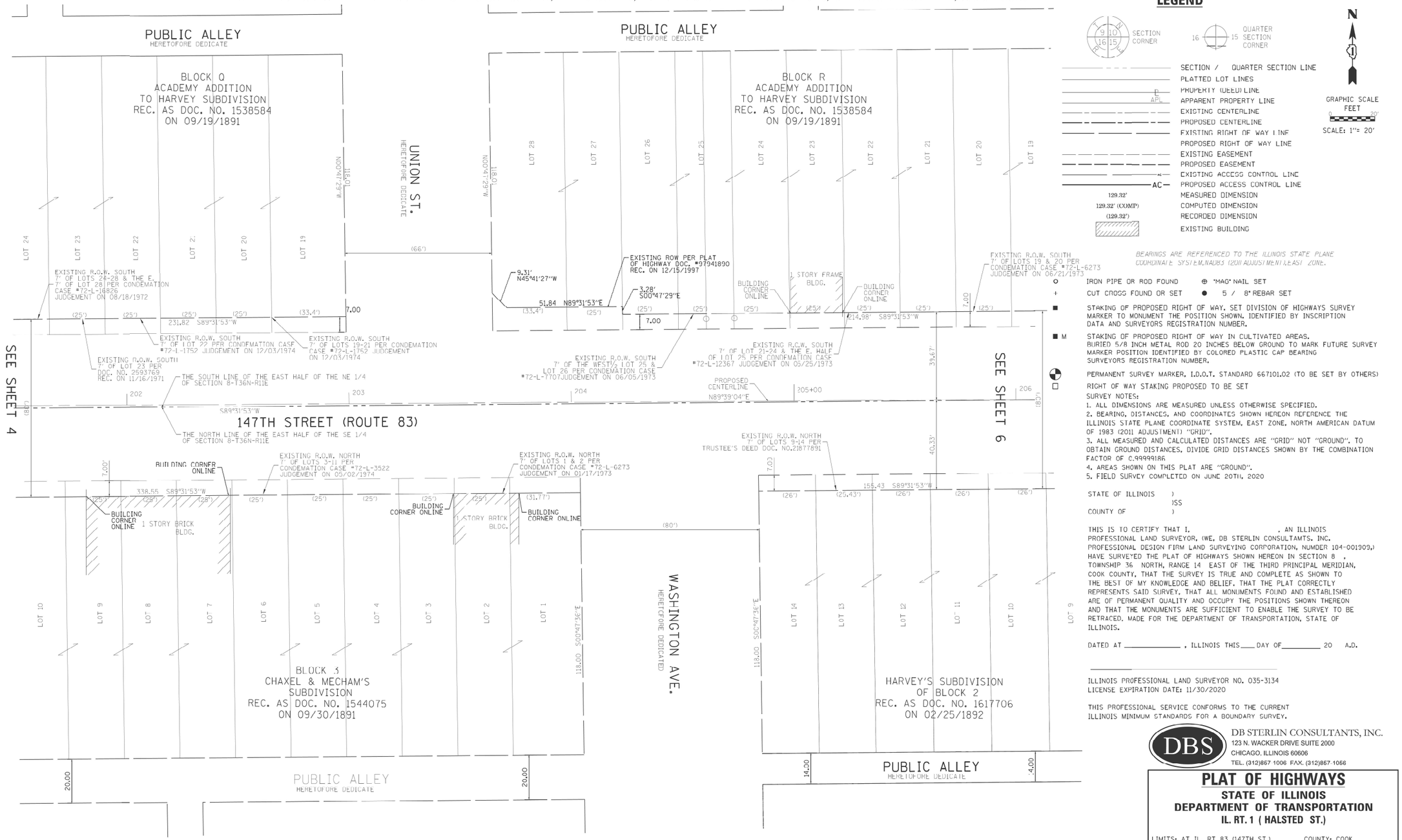

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

N

GRAPHIC SCALE
FEET
0 20'
SCALE: 1"= 20'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
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- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

129.32'
129.32' (COMP)
(129.32')

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
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1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99999186
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON JUNE 20TH, 2020

STATE OF ILLINOIS)
)SS
COUNTY OF)

THIS IS TO CERTIFY THAT I, , AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, DB STERLIN CONSULTAMTS. INC. PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMDER 184-001909,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8 , TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____ , ILLINOIS THIS ___ DAY OF _____ 20 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3134
LICENSE EXPIRATION DATE: 11/30/2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)867 1006 FAX. (312)867-1066

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. RT. 1 (HALSTED ST.)

LIMITS: AT IL. RT 83 (147TH ST.) COUNTY: COOK
SECTION: JOD NO.: R 90 005 20
STA. 201+78 TO STA. 206+00
SCALE: 1"=20' SHEET 5 OF 10 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

APPROVED
By William Wright at 1:17 pm, Mar 05, 2021

REVISION DATE: _/_/___ REVISION MADE BY: _____

USER NAME = daniel.woods	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 12/15/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

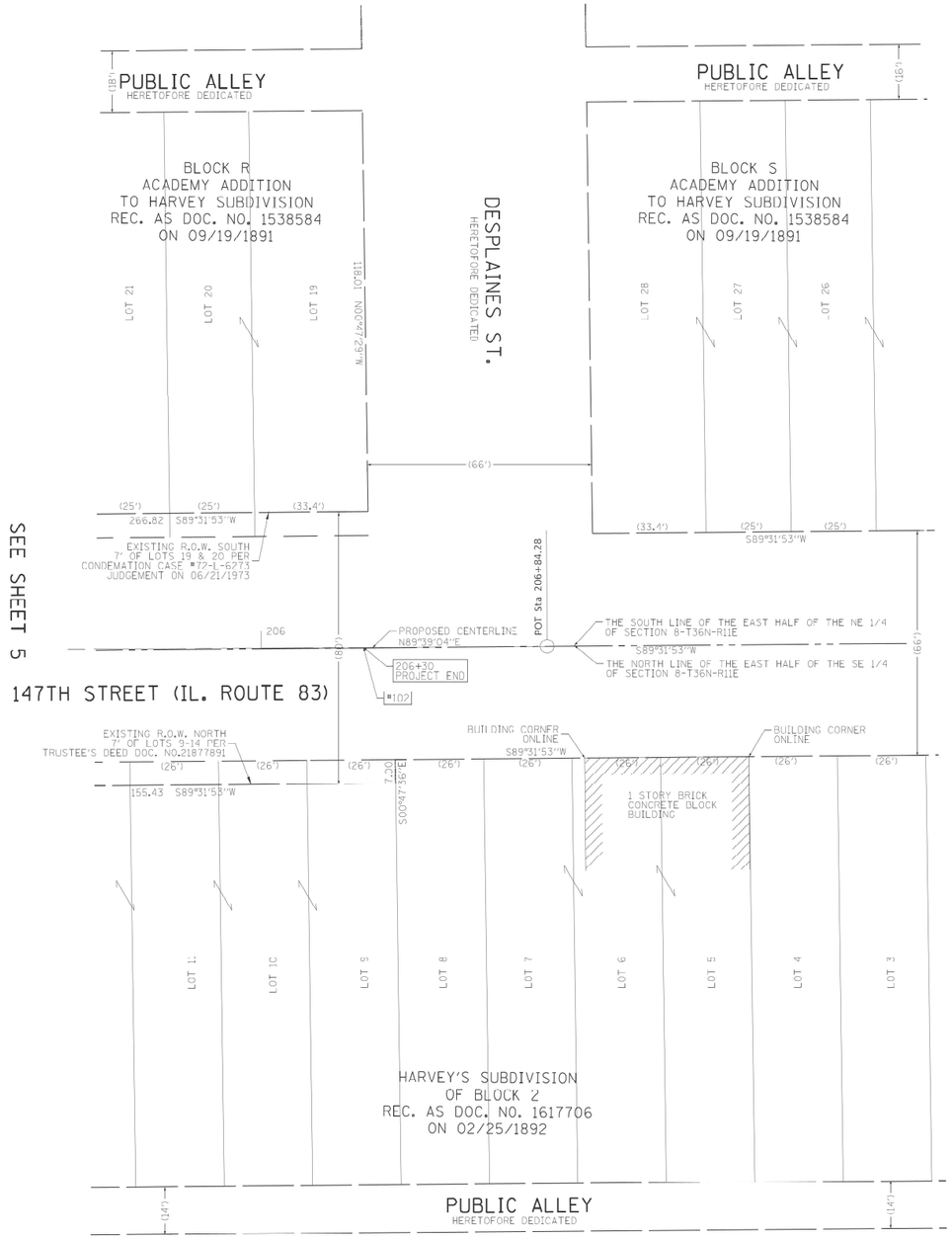
RIGHT OF WAY PLANS

	PROJECT		JOB NO.	
SCALE:	SHEET OF	SHEETS	STA. 201+78	TO STA. 206+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	22
		CONTRACT NO. 62T51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MODEL: ROW page 7 [Sheet]
FILE NAME: pw:\\ilaccess.bentley.com:PWIDOT\Documents\IDOT Offices-District 1\ORD Projects\P100918\CADData\CADSheets\P100918-sht-rowplan.dgn

PART OF THE SE 1/4 AND NE 1/4 OF SECTION 8, TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

N

GRAPHIC SCALE
FEET
0 25'
SCALE: 1"= 20'

	SECTION / QUARTER SECTION LINE
	PLATTED LOT LINES
P	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
	EXISTING ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
129.32'	MEASURED DIMENSION
129.32' (COMP)	COMPUTED DIMENSION
(129.32')	RECORDED DIMENSION
	EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

o	IRON PIPE OR ROD FOUND	⊕	"MAG" NAIL SET
+	CUT CROSS FOUND OR SET	●	5 / 8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON JUNE 20TH, 2020

STATE OF ILLINOIS)
)SS
COUNTY OF)

THIS IS TO CERTIFY THAT I, , AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, DB STERLIN CONSULTAMTS, INC. PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMDER 184-001909,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8 , TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____ , ILLINOIS THIS___ DAY OF_____ 20 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3134
LICENSE EXPIRATION DATE: 11/30/2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
102 END PROJECT	206+30.00	0.00	1805837.25	1174067.44

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857 1006 FAX. (312)857 1056

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. RT. 1 (HALSTED ST.)

LIMITS: AT IL. RT 83 (147TH ST.) COUNTY: COOK
SECTION: JOD NO.: R 90 005 20
STA. 206+00 TO STA. 206+84.98
SCALE: 1"=20' SHEET 6 OF 10 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

APPROVED
By William Wright at 1:17 pm, Mar 05, 2021

REVISION DATE: __/__/___ REVISION MADE BY: _____

MODEL: ROW page 8 [Sheet]
FILE NAME: pw:\\bbs-ww.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\ORD Projects\P100918\CADData\CADsheets\P100918-sht-rowplan.dgn

USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

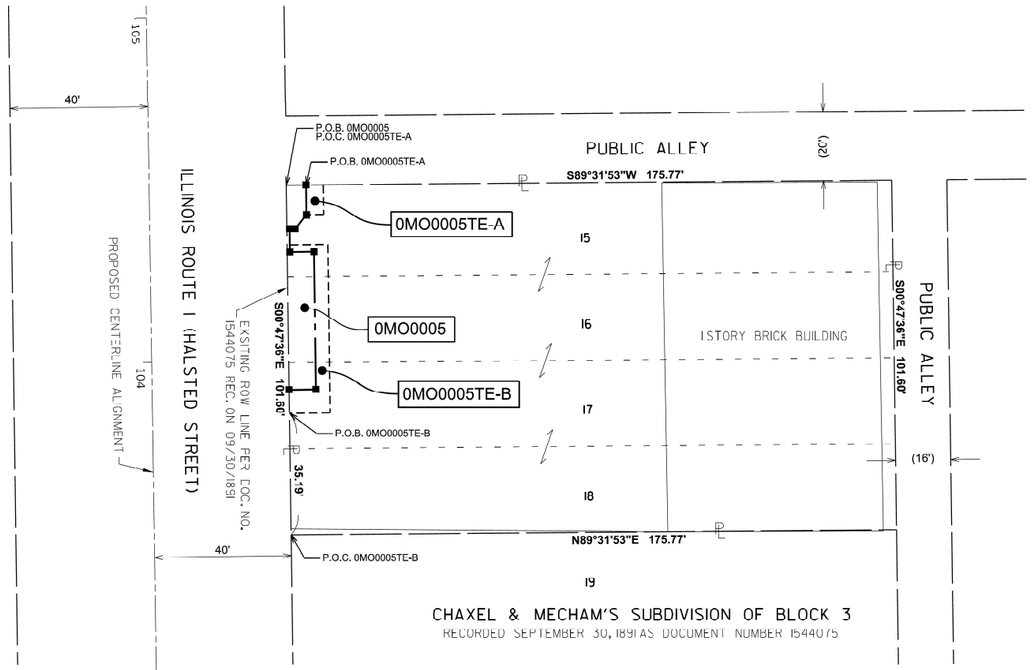
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

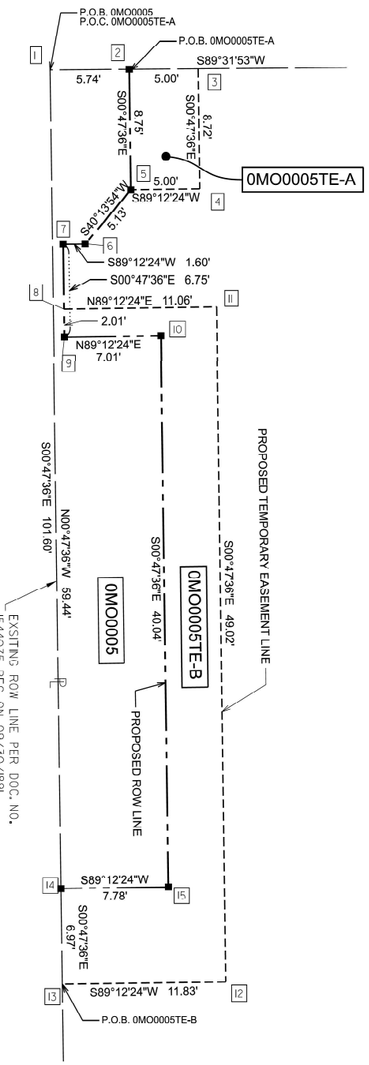
RIGHT OF WAY PLANS

SCALE:	PROJECT SHEET OF SHEETS	JOB NO. STA. 206+00 TO STA. 206+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	23
		CONTRACT NO. 62T51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PART OF THE SE 1/4 OF SECTION 8, TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.





DETAIL

LEGEND

SECTION CORNER — QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE FEET 0 20' — SCALE: 1" = 20'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999918.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON _____.

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT, THE ILLINOIS DEPARTMENT OF TRANSPORTATION, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATED AT SCHAUMBURG, ILLINOIS THIS ___TH DAY OF AUGUST 2023 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3502
LICENSE EXPIRATION DATE: NOVEMBER 30, 2024

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

WILLIAM W. WRIGHT 3502 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS SCHAUMBURG, ILLINOIS

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0MO0005 0MO0005TE-A 0MO0005TE-B	0.410	0.009 383 SQ. FT.			TE-A=0.001 TE-B=0.006	44 267	29-08-403-014 29-08-403-015 29-08-403-016 29-08-403-017

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT NUMBER	NORTHING	EASTING	STATION	OFFSET
1	1805654.30	1173479.83	104+50.64	39.83' RT
2	1805654.35	1173485.57	104+50.88	45.57' RT
3	1805654.39	1173490.57	104+50.57	50.57' RT
4	1805645.67	1173490.69	104+41.85	50.56' RT
5	1805645.60	1173485.69	104+41.85	45.56' RT
6	1805641.68	1173482.38	104+37.99	42.19 RT
7	1805641.66	1173480.78	104+38.27	40.59' RT
8	1805636.92	1173480.84	104+33.25	40.58' RT
9	1805634.91	1173480.87	104+31.52	40.58' RT
10	1805635.01	1173487.88	104+31.51	47.59' RT
11	1805637.08	1173491.90	104+33.52	51.64' RT
12	1805588.06	1173492.58	103+84.50	51.59' RT
13	1805587.90	1173480.75	103+84.50	39.76' RT
14	1805594.86	1173480.65	103+91.48	39.76' RT
15	1805594.97	1173488.43	103+91.48	47.55' RT

REVISION DATE: 10/16/2023 REVISION MADE BY: MC

Illinois Department of Transportation
Division of Highways/District 1
Bureau of Land Acquisition
201 West Center Court/Schaumburg, Illinois 60196-1096

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 1 (HALSTED ST.)

LIMITS: AT IL RT 83 (147TH ST.) COUNTY: COOK
SECTION: _____ JOB NO.: R-90-005-20
STA. 102+40 TO STA. 105+00
SCALE: 1" = 20' SHEET 7 OF 10 SHEETS

IDOT USE ONLY

APPROVED
By William Wright at 3:50 pm, Oct 16, 2023

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: ROW page 9 [Sheet]
FILE NAME: pw:\\bidcow.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\ORD Projects\P100918\CADData\CADsheets\P100918-sht-rowplan.dgn

USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

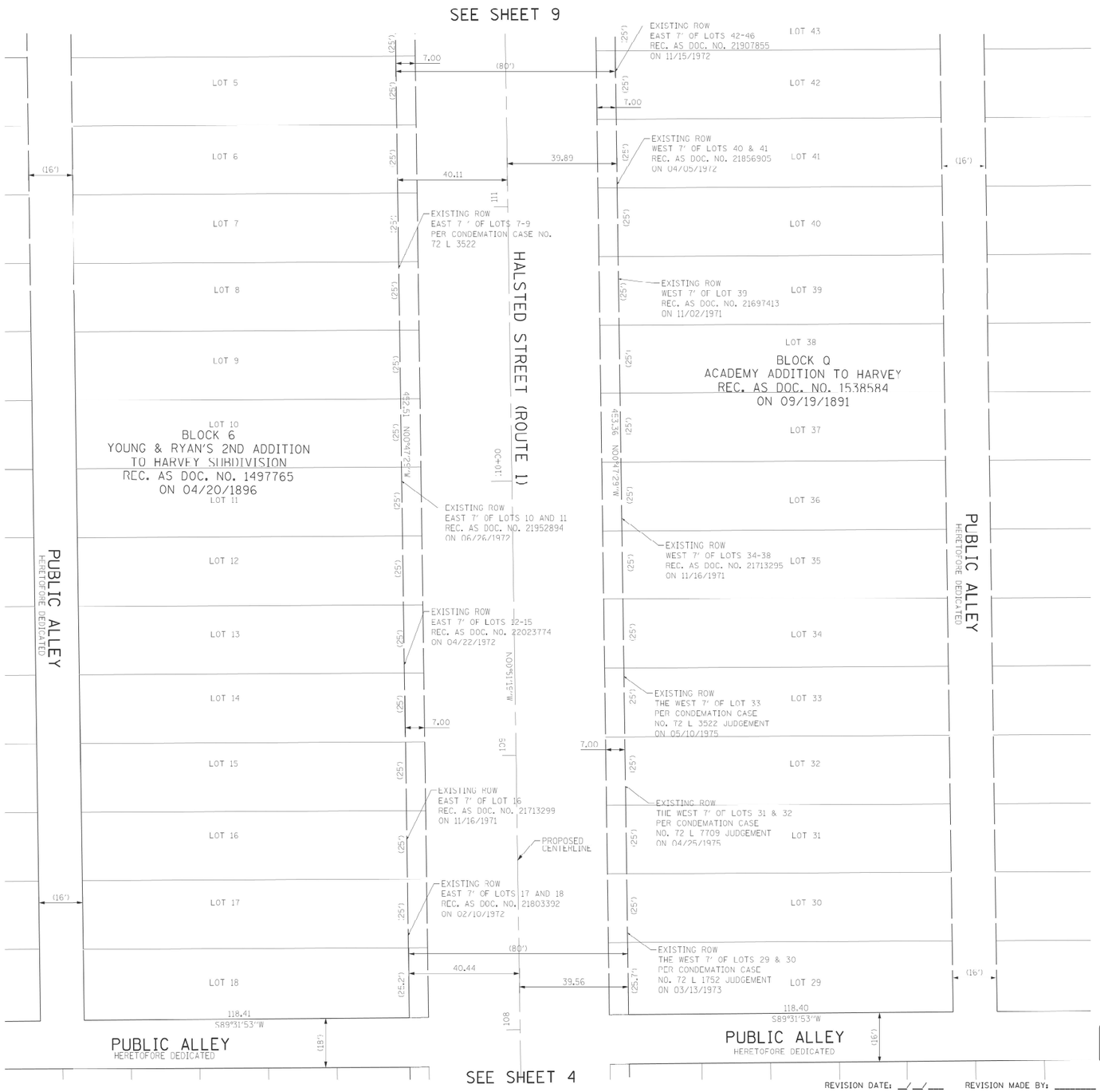
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

PROJECT	JOB NO.
SCALE: SHEET OF SHEETS	STA. 102+40 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	24
		CONTRACT NO. 62T51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PART OF THE NE 1/4 OF SECTION 8, TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

N

GRAPHIC SCALE FEET

SCALE: 1"= 20'

	SECTION / QUARTER SECTION LINE
	PLATTED LOT LINES
P	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
	EXISTING ACCESS CONTROL LINE
AC	PROPOSED ACCESS CONTROL LINE
129.32'	MEASURED DIMENSION
129.32' (COMP)	COMPUTED DIMENSION
(129.32')	RECORDED DIMENSION
	EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

o	IRON PIPE OR ROD FOUND	⊕	"MAG" NAIL SET
+	CUT CROSS FOUND OR SET	●	5 / 8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON JUNE 20TH, 2020

STATE OF ILLINOIS)
)SS
COUNTY OF)

THIS IS TO CERTIFY THAT I, , AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, DB STERLIN CONSULTAMTS, INC. PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8 , TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____ , ILLINOIS THIS___ DAY OF_____ 20 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3134
LICENSE EXPIRATION DATE: 11/30/2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)867 1006 FAX. (312)867 1066

IDOT USE ONLY

APPROVED
By William Wright at 1:18 pm, Mar 05, 2021

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. RT. 1 (HALSTED ST.)

LIMITS: AT IL. RT 83 (147TH ST.) COUNTY: COOK
SECTION: JOD NO.: R 90 005 20
STA. 108+00 TO STA. 111+60
SCALE: 1"=20' SHEET 8 OF 10 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: _/_/___ REVISION MADE BY: _____

USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

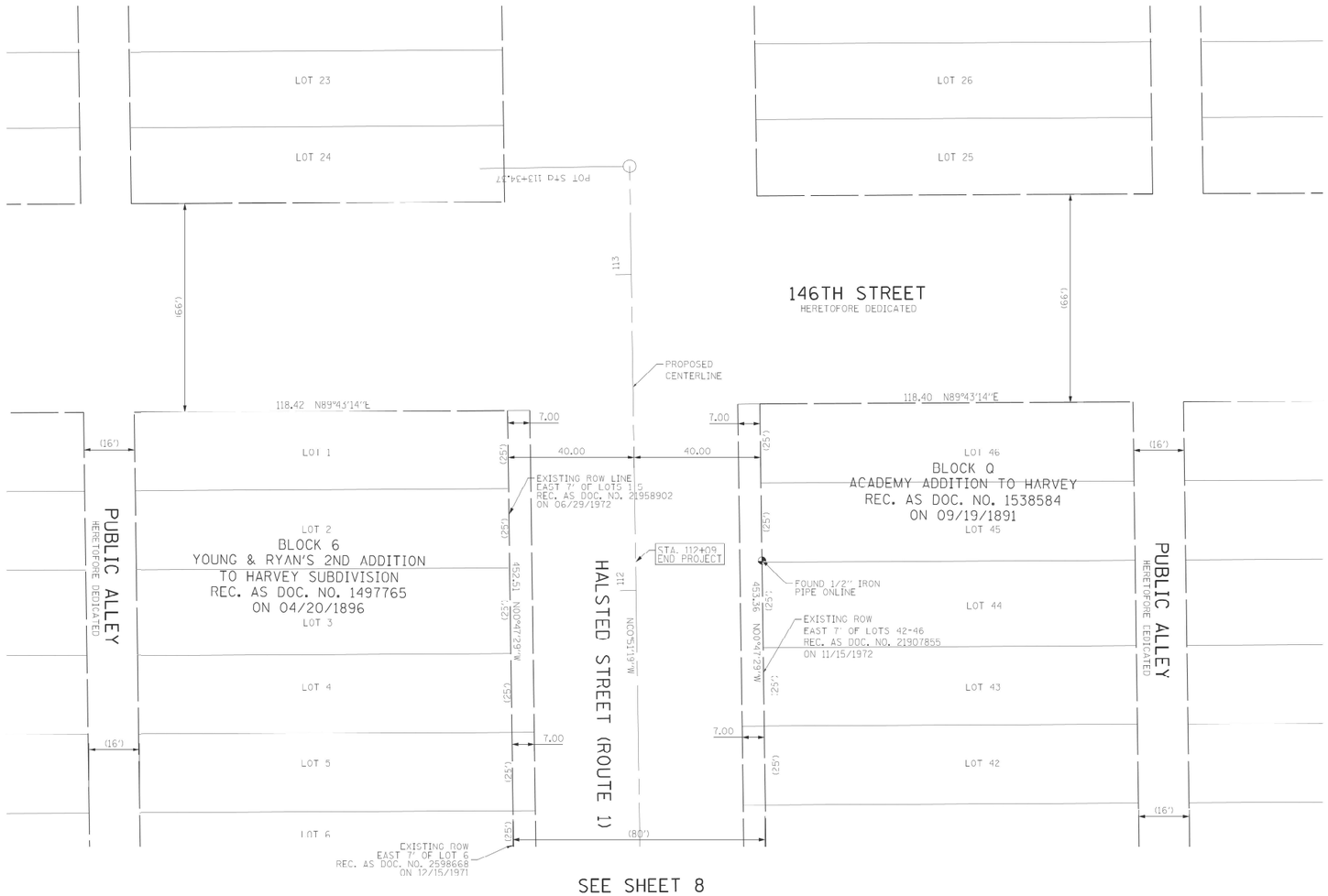
RIGHT OF WAY PLANS

	PROJECT		JOB NO.
SCALE:	SHEET OF SHEETS	STA. 108+00	TO STA. 111+60

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	25
		CONTRACT NO. 62T51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MODEL: ROW page 10 [Sheet]
FILE NAME: pw:\\dot-dgn-pw.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\ORD Projects\P100918\CADData\CADsheets\P100918-sht-row-halin.dgn

PART OF THE NE 1/4 OF SECTION 8, TWP. 36 N., R. 14 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



SEE SHEET 8

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT NUMBER	STATION	OFFSET	NORTHING	EASTING
103 END PROJECT	112+09.00	0.00 RT	1806411.59	1173428.69

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

N

GRAPHIC SCALE FEET
0 20'
SCALE: 1"= 20'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE (P / APL)
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE (AC)
- MEASURED DIMENSION (129.32')
- COMPUTED DIMENSION (129.32' (COMP))
- RECORDED DIMENSION ((129.32'))
- EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- o IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- ⊕ "MAG" NAIL SET
- ● 5 / 8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON JUNE 20TH, 2020

STATE OF ILLINOIS)
)SS
COUNTY OF)

THIS IS TO CERTIFY THAT I, , AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, DB STERLIN CONSULTAMTS. INC. PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8 , TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____ , ILLINOIS THIS___ DAY OF_____ 20 A.D.

_____
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3134
LICENSE EXPIRATION DATE: 11/30/2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DBS
DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857 1006 FAX. (312)857 1066

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. RT. 1 (HALSTED ST.)

LIMITS: AT IL. RT 83 (147TH ST.) COUNTY: COOK
SECTION: JOD NO.: R 90 005 20
STA. 111+60 TO STA. 112+09
SCALE: 1"=20' SHEET 9 OF 10 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

APPROVED
By William Wright at 1:18 pm, Mar 05, 2021

REVISION DATE: __/__/___ REVISION MADE BY: _____

MODEL: ROW page 11 [Sheet]
FILE NAME: pw:\\Bdeploy.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\ORD Projects\P100918\CADData\CADsheets\P100918sht-cvwdkin.dgn

USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

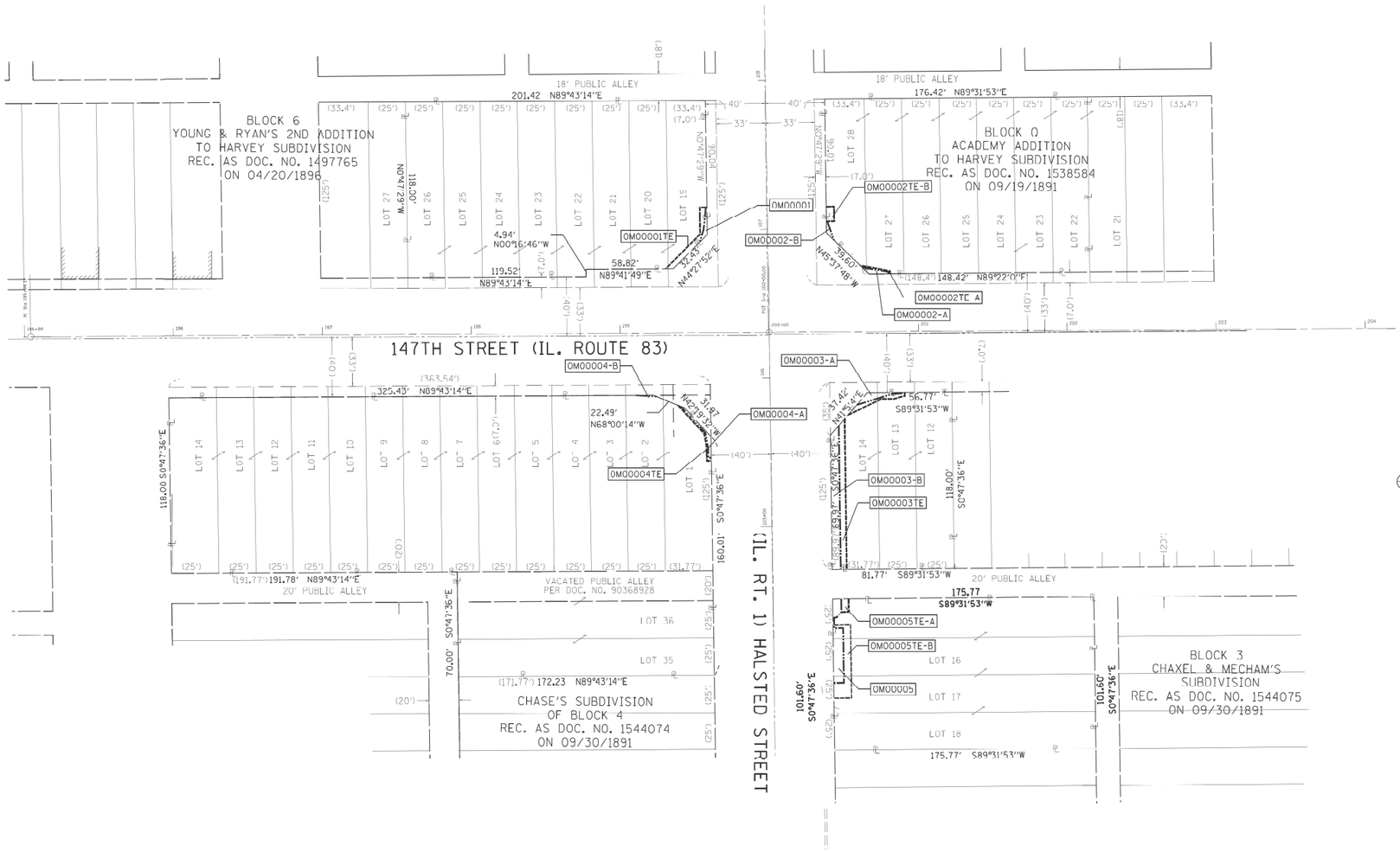
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

	PROJECT		JOB NO.	
SCALE:	SHEET OF SHEETS	STA. 111+60	TO STA. 112+09	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	26
		CONTRACT NO. 62T51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TOTAL HOLDING AND DETAILS



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

N

GRAPHIC SCALE FEET

0 40'

SCALE: 1"= 40'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ○ 5/8" REBAR SET
- ■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- □ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES;
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 1.00001573
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON JUNE 20TH, 2020

STATE OF ILLINOIS)
)SS
COUNTY OF)

THIS IS TO CERTIFY THAT I, , AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, DB STERLIN CONSULTAMTS, INC. PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8 , TOWNSHIP 36 NORTH, RANGE 14 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____ , ILLINOIS THIS___ DAY OF_____ 20 A.D.

_____

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-3134
LICENSE EXPIRATION DATE: 11/30/2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL. RT. 1 (HALSTED ST.)

LIMITS: AT IL. RT 83 (147TH ST.) COUNTY: COOK
SECTION: JOD NO.: R 90 005 20
STA. N/A TO STA. N/A
SCALE: 1"=40' SHEET 10 OF 10 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

APPROVED
By William Wright at 1:18 pm, Mar 05, 2021

REVISION DATE: __/__/___ REVISION MADE BY: _____

MODEL: ROW page 12 [Sheet]
FILE NAME: pw:\\bidcow.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\ORD Projects\P100918\CADData\CADsheets\P100918-sht-rowplan.dgn

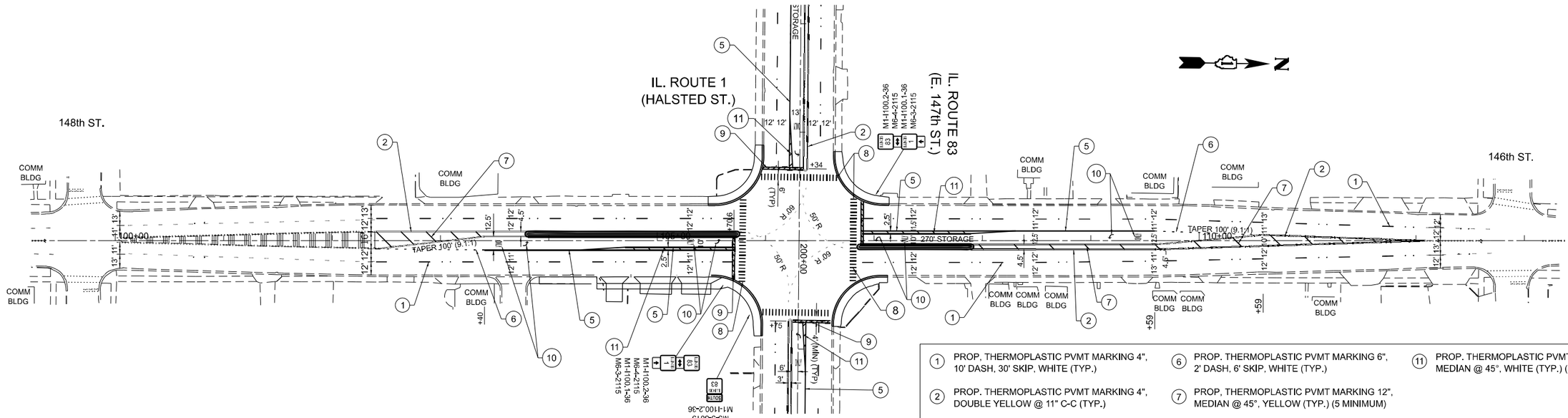
USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

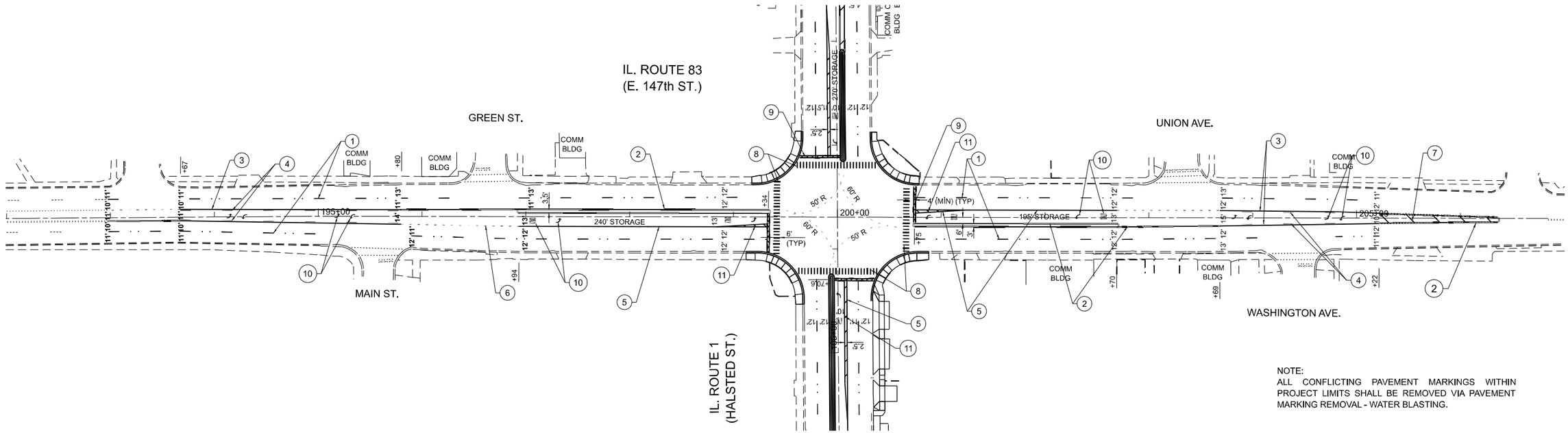
RIGHT OF WAY PLANS

	PROJECT		JOB NO.	
SCALE:	SHEET OF SHEETS	STA.		TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	27
		CONTRACT NO. 62T51		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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



NOTE:
ALL CONFLICTING PAVEMENT MARKINGS WITHIN PROJECT LIMITS SHALL BE REMOVED VIA PAVEMENT MARKING REMOVAL - WATER BLASTING.

MODEL: IL1 - prPWK01 [Sheet]
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USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	28
		CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

REMOVAL AND RELOCATION NOTES:

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

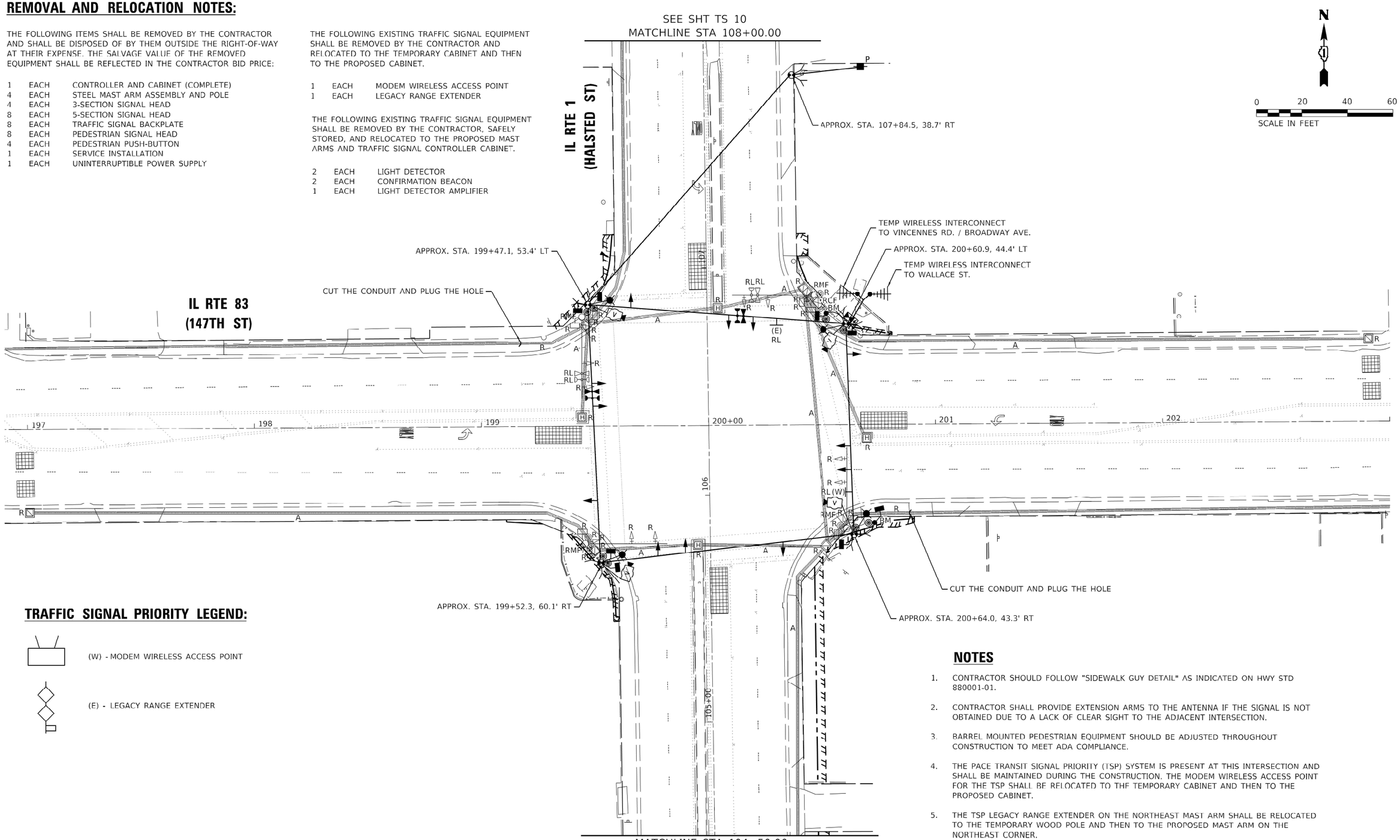
1	EACH	CONTROLLER AND CABINET (COMPLETE)
4	EACH	STEEL MAST ARM ASSEMBLY AND POLE
4	EACH	3-SECTION SIGNAL HEAD
8	EACH	5-SECTION SIGNAL HEAD
8	EACH	TRAFFIC SIGNAL BACKPLATE
8	EACH	PEDESTRIAN SIGNAL HEAD
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	SERVICE INSTALLATION
1	EACH	UNINTERRUPTIBLE POWER SUPPLY

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE TEMPORARY CABINET AND THEN TO THE PROPOSED CABINET.

1	EACH	MODEM WIRELESS ACCESS POINT
1	EACH	LEGACY RANGE EXTENDER

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 CABINET.

2	EACH	LIGHT DETECTOR
2	EACH	CONFIRMATION BEACON
1	EACH	LIGHT DETECTOR AMPLIFIER



TRAFFIC SIGNAL PRIORITY LEGEND:

(W) - MODEM WIRELESS ACCESS POINT

(E) - LEGACY RANGE EXTENDER

NOTES

1. CONTRACTOR SHOULD FOLLOW "SIDEWALK GUY DETAIL" AS INDICATED ON HWY STD 880001-01.
2. CONTRACTOR SHALL PROVIDE EXTENSION ARMS TO THE ANTENNA IF THE SIGNAL IS NOT OBTAINED DUE TO A LACK OF CLEAR SIGHT TO THE ADJACENT INTERSECTION.
3. BARREL MOUNTED PEDESTRIAN EQUIPMENT SHOULD BE ADJUSTED THROUGHOUT CONSTRUCTION TO MEET ADA COMPLIANCE.
4. THE PACE TRANSIT SIGNAL PRIORITY (TSP) SYSTEM IS PRESENT AT THIS INTERSECTION AND SHALL BE MAINTAINED DURING THE CONSTRUCTION. THE MODEM WIRELESS ACCESS POINT FOR THE TSP SHALL BE RELOCATED TO THE TEMPORARY CABINET AND THEN TO THE PROPOSED CABINET.
5. THE TSP LEGACY RANGE EXTENDER ON THE NORTHEAST MAST ARM SHALL BE RELOCATED TO THE TEMPORARY WOOD POLE AND THEN TO THE PROPOSED MAST ARM ON THE NORTHEAST CORNER.

TS SHT NO. 9

MODEL: Default
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TS 1765
EAGLE 3J

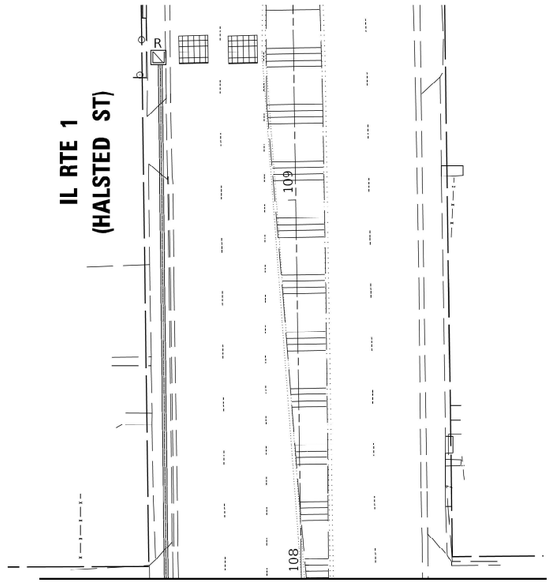
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = echoi	DESIGNED - EEC	REVISED -
		DRAWN - EEC	REVISED -
	PLOT SCALE = 39.9999 ' / in.	CHECKED - GG	REVISED -
	PLOT DATE = 5/19/2023	DATE - 05/19/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

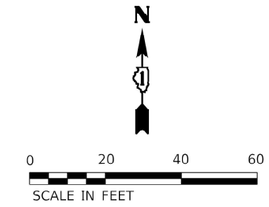
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 1 OF 2)
IL ROUTE 83 (147TH STREET) AT IL ROUTE 1 (HALSTED STREET)

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

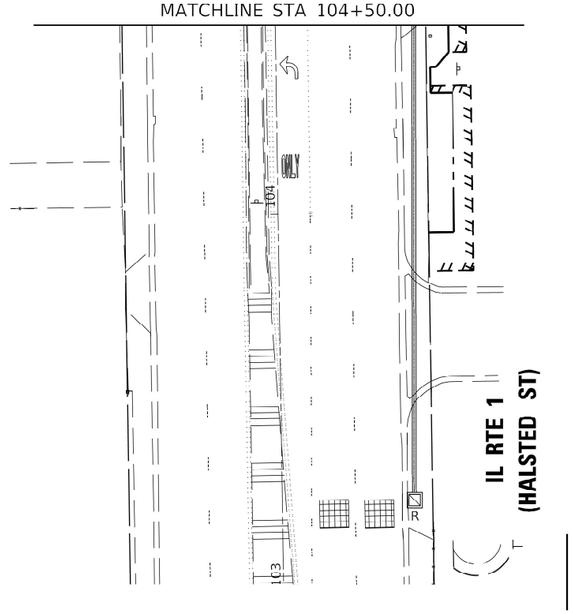
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	29
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	



SEE SHT TS 9
MATCHLINE STA 108+00.00



SEE SHT TS 9
MATCHLINE STA 104+50.00



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TS 1765
EAGLE 3J

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = echoi	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 39.9999 ' / in.	CHECKED - GG	REVISED -	
PLOT DATE = 5/19/2023	DATE - 05/19/2023	REVISED -	

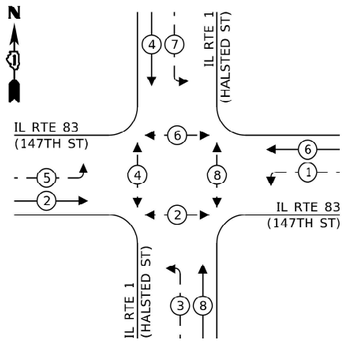
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 2 OF 2)
IL ROUTE 83 (147TH STREET) AT IL ROUTE 1 (HALSTED STREET)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	30
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	

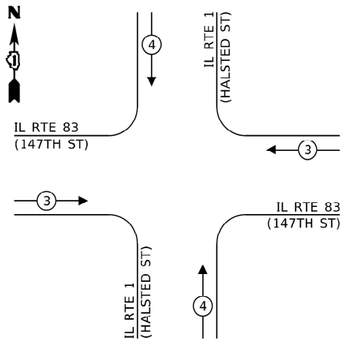
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



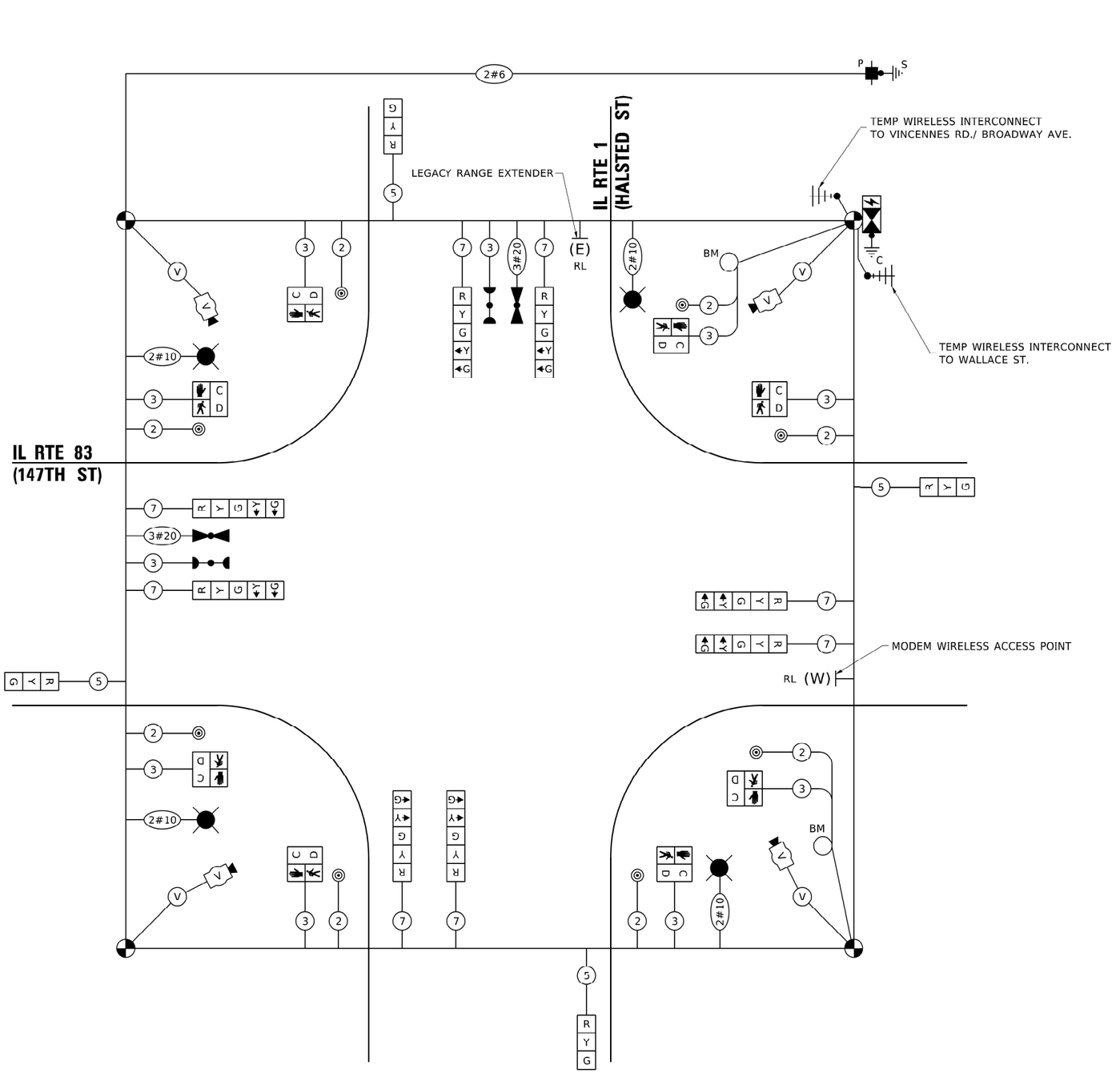
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	330	50	660.0
			TOTAL =	1,253.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY / DISTRICT 1
201 WEST CENTER COURT / SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: ---
PHONE: ---
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: #04170-42141



CABLE PLAN
(NOT TO SCALE)

TS 1765
EAGLE 3J

TS SHT NO. 11

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = echol	DESIGNED - EEC	REVISED -
	DRAWN - EEC	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - GG	REVISED -
PLOT DATE = 5/19/2023	DATE - 05/19/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 83 (147TH STREET) AT IL ROUTE 1 (HALSTED STREET)

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	31
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	

SEE SHT TS 13
MATCHLINE STA 108+00.00

N

0 20 40 60
SCALE IN FEET

IL RTE 1
(HALSTED ST)

IL RTE 83
(147TH ST)

EXIST. R.O.W.

25'-UC-2"
89'-UC-2"
RELOCATED LEGACY RANGE EXTENDER
16'-UC-2"
4'-UC-4"
42' COMB. M.A., 36" DIA. FND. (13' DEPTH)
APPROX. STA. 200+46.1, 56.9' LT
7'-UC-4-4"
SUPER R CABINET
5'-UC-4"
W/ THREADED CAP
35'-UC-3"
16' POST
APPROX. STA. 200+68.1, 41.0' LT
PROP. R.O.W.
260'-UC-2"
1" CNC (TYP.)
(SEE NOTE)

16' POST
APPROX. STA. 199+49.4, 54.2' LT
263'-UC-2"
6'-UC-3"
6'-UC-2"
10' POST
APPROX. STA. 199+40.0, 45.4' LT
20'-UC-4"
38' COMB. M.A., 36" DIA. FND. (11' DEPTH)
APPROX. STA. 199+26.0, 42.1' LT
PROP. INTERCONNECT TO
VINCENNES RD. / BROADWAY AVE.
40'-UC-2"
96'-UC-4"
52'-UC-2"
71'-UC-2"
110'-UC-2-4"
105'-UC-4"
49'-UC-2"
250'-UC-2"
258'-UC-2"

230' TO STOP BAR
210' TO STOP BAR
200+00
105+00
106
ONLY

PROP. INTERCONNECT TO
WALLACE ST.
PROP. R.O.W.
RELOCATED MODEM WIRELESS ACCESS POINT
38' COMB. M.A., 36" DIA. FND. (11' DEPTH)
APPROX. STA. 200+59.7, 43.9' RT
17'-UC-4"
3'-UC-3"
16' POST
APPROX. STA. 200+49.6, 56.2' RT

16' POST
APPROX. STA. 199+39.7, 46.8' RT
7'-UC-3"
8'-UC-4"
42' COMB. M.A., 36" DIA. FND. (13' DEPTH)
APPROX. STA. 199+52.4, 58.9' RT
PROP. R.O.W.

MATCHLINE STA 104+50.00
SEE SHT TS 13

NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO. CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
5. 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.
6. ALL COMBINATION MAST ARM POLES SHALL INCLUDE A 15' LUMINAIRE ARM AT A MOUNTING HEIGHT OF 45'.
7. POST MOUNTED RIGHT SIDE SIGNAL HEADS AT THE PRE-SIGNALS SHALL BE MOUNTED AT THE HEIGHT OF 4.5'.

TS SHT NO. 12

MODEL: Default
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TS 1765
EAGLE 3J

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

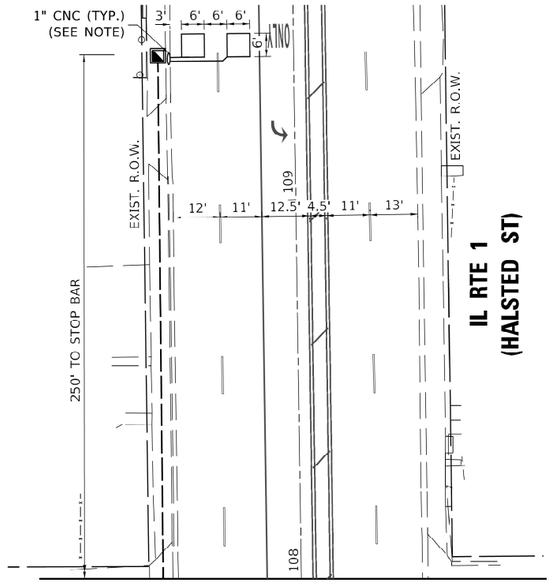
USER NAME = echol	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 39.9999 ' / in.	CHECKED - GG	REVISED -	
PLOT DATE = 5/19/2023	DATE - 05/19/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
IL ROUTE 83 (147TH STREET) AT IL ROUTE 1 (HALSTED STREET)

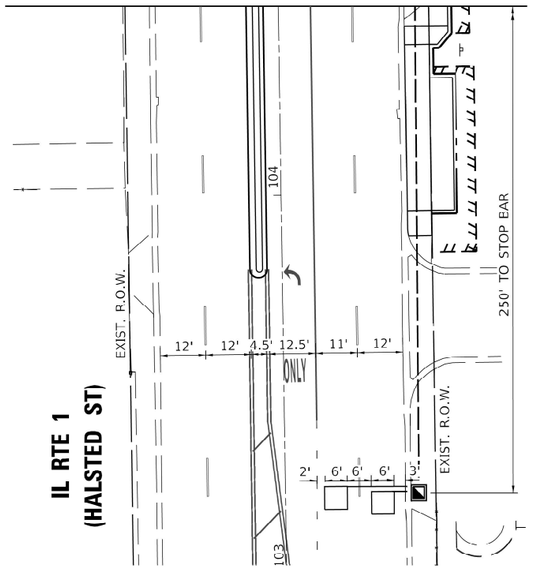
SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

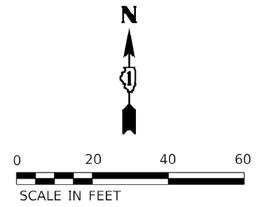
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	32
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		



MATCHLINE STA 108+00.00
SEE SHT TS 12

SEE SHT TS 12
MATCHLINE STA 104+50.00





TS SHT NO. 13

MODEL: Default
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TS 1765
EAGLE 3J

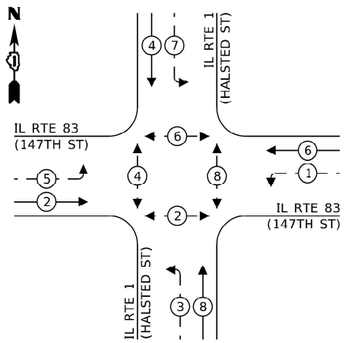
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = echoi	DESIGNED - EEC	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
		DRAWN - EEC	REVISED -	
	PLOT SCALE = 39.9999 ' / in.	CHECKED - GG	REVISED -	
	PLOT DATE = 5/19/2023	DATE - 05/19/2023	REVISED -	

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
IL ROUTE 83 (147TH STREET) AT IL ROUTE 1 (HALSTED STREET)

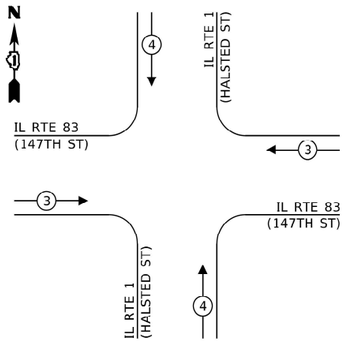
SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	33
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	

PROPOSED CONTROLLER SEQUENCE

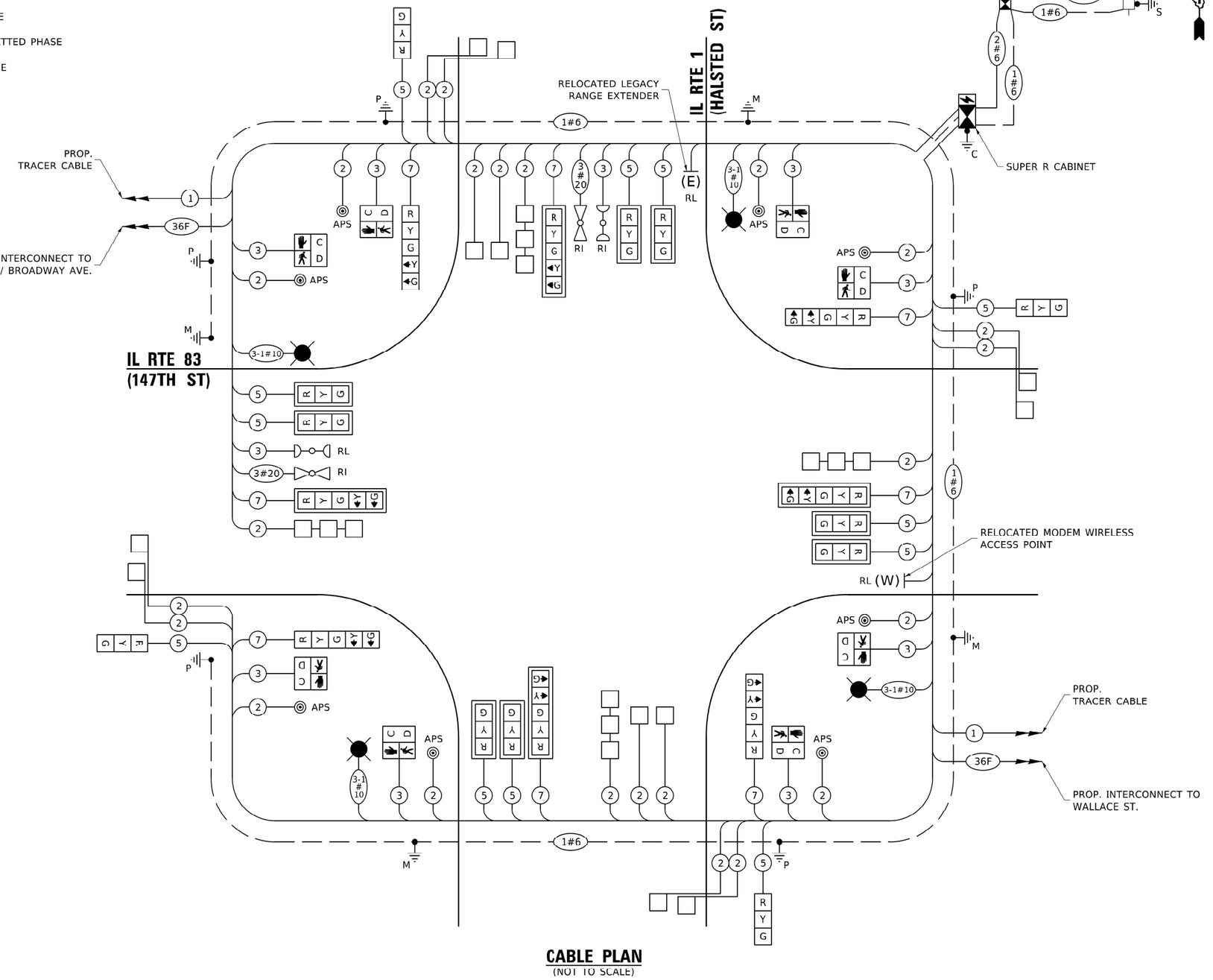


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
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	4	330	50	660.0
			TOTAL =	1,199.0

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY / DISTRICT 1
201 WEST CENTER COURT / SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: -
PHONE: -
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: #04170-42141

TS SHT NO. 14

MODEL: Default
FILE NAME: \\f01\Projects\21386.1104 CADD\CADD Sheets\P100918-sht-ts-14 Prop. Signal Cable Plan.dgn

TS 1765
EAGLE 3J

USER NAME = echoi	DESIGNED - EEC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - EEC	REVISED -	
PLOT SCALE = 2.0000 ' / in	CHECKED - GG	REVISED -	
PLOT DATE = 5/19/2023	DATE - 05/19/2023	REVISED -	

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

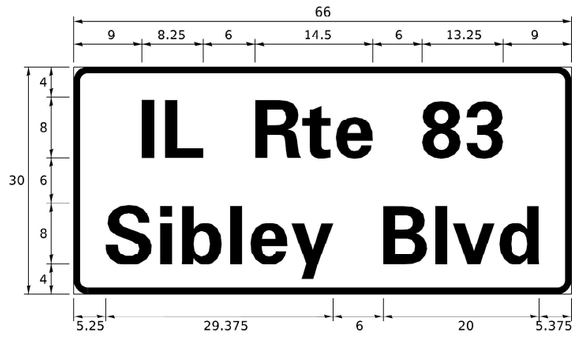
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQEUNCE
IL ROUTE 83 (147TH STREET) AT IL ROUTE 1 (HALSTED STREET)

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

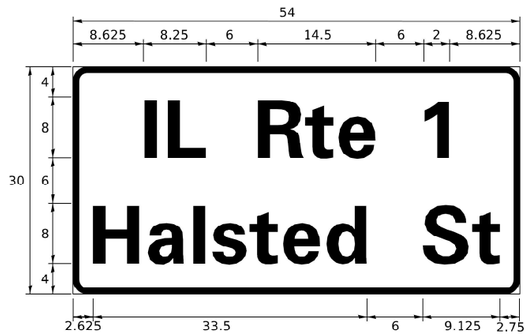
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	34
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	

SIGN PANEL – TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	13.75	2	ZZ	2



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

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

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	SIGN PANEL - TYPE 2	SQ FT	50
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,379
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	51
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	503
	HANDHOLE	EACH	7
	HEAVY-DUTY HANDHOLE	EACH	4
	DOUBLE HANDHOLE	EACH	2
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,288
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,603
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,252
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,538
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4,331
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	177
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	698
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	2
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	2
	CONCRETE FOUNDATION, TYPE A	FOOT	20
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
	SIGNAL HEAD, LED, 1 FACE, 5 SECTION, MAST ARM MOUNTED	EACH	4
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	12
	INDUCTIVE LOOP DETECTOR	EACH	16
	DETECTOR LOOP, TYPE I	FOOT	792
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	L SUM	1
	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
*	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	11
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	291
	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE CITY OF HARVEY

TS SHT NO. 15

MODEL: Default
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TS 1765
EAGLE 3J

SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

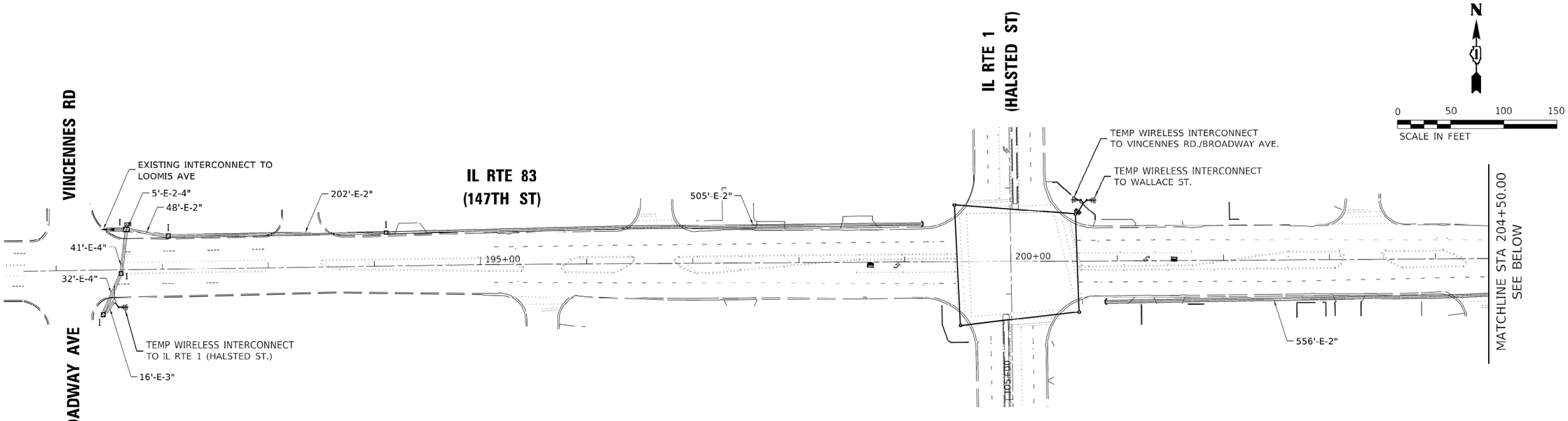
USER NAME = echoi	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 2.0000 ' / in	CHECKED - GG	REVISED -	
PLOT DATE = 5/24/2023	DATE - 05/24/2023	REVISED -	

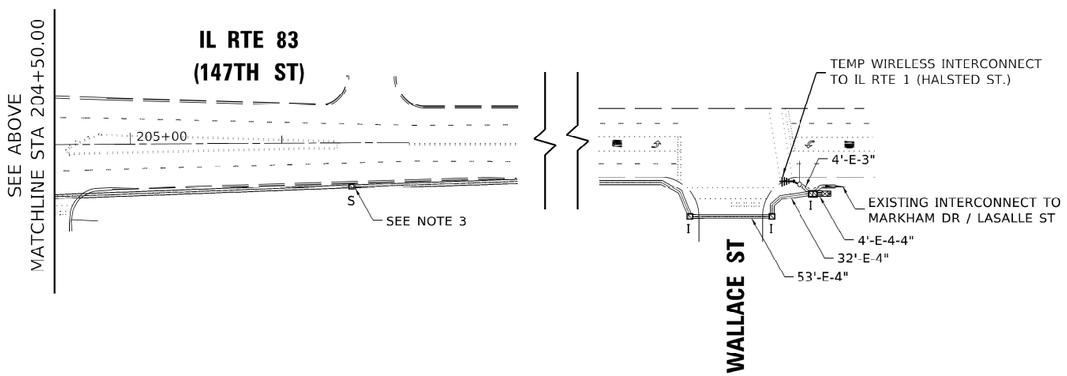
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
IL ROUTE 83 (147TH STREET) AT IL ROUTE 1 (HALSTED STREET)

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	35
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		





INTERCONNECT NOTES:

1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
2. THE CONTRACTOR SHALL PULL THE PROPOSED FIBER OPTIC CABLE AND TRACER THROUGH THE EXISTING CONDUIT OF IL ROUTE 83 BETWEEN HALSTED ST. AND VINCENNES RD. / BROADWAY AVE.
3. THE CONTRACTOR SHALL PULL BACK THE EXISTING FIBER OPTIC CABLE AND TRACER BETWEEN HALSTED ST. AND WALLACE ST. FROM THE HALSTED ST. CONTROLLER ALL THE WAY UP TO THE HANDHOLE AT STA. 206+50 ALONG IL ROUTE 83. THE CONTRACTOR SHALL STORE THE PULLED BACK CABLES AT THE HANDHOLE AND THEN REINSTALL THE CABLES BACK TO THE HALSTED ST. AFTER THE NEW CONTROLLER AND CONDUITS ARE BUILT.
4. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING FIBER OPTIC CABLE AND WILL BE REQUIRED TO REPLACE ANY DAMAGED CABLE AT NO ADDITIONAL COST TO THE CONTRACT.

EAGLE 3J

TS SHT NO. 16

MODEL: Default
FILE NAME: \\fs01\Projects\21386.1104 CADD\CADD Sheets\P1093-sht-ts-16 Temp Signal Interconnect Plan.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

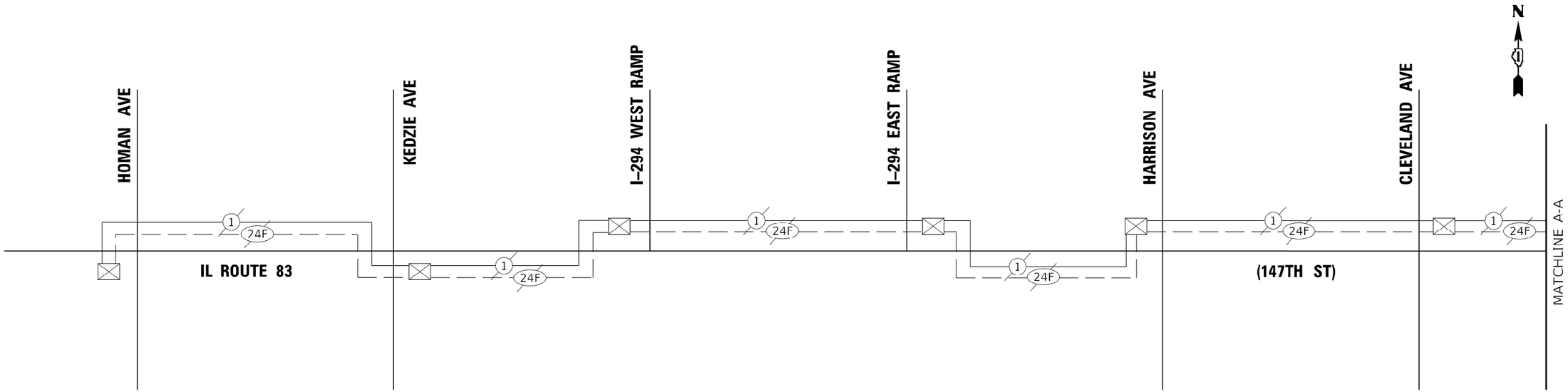
USER NAME = echoi	DESIGNED - EEC	REVISED -
	DRAWN - EEC	REVISED -
PLOT SCALE = 99.9998 ' / in.	CHECKED - GG	REVISED -
PLOT DATE = 5/19/2023	DATE - 05/19/2023	REVISED -

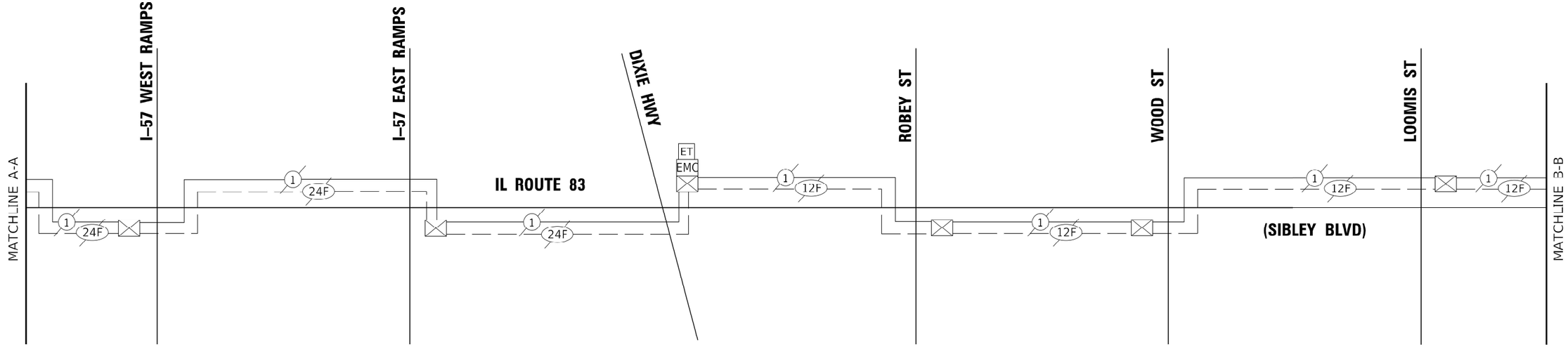
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN
IL RTE 83 (147TH ST) – VINCENNES RD TO WALLACE ST

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. ___+__.__ TO STA. ___+__.__

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	36
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	





TS SHT NO. 17

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EAGLE 3J

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

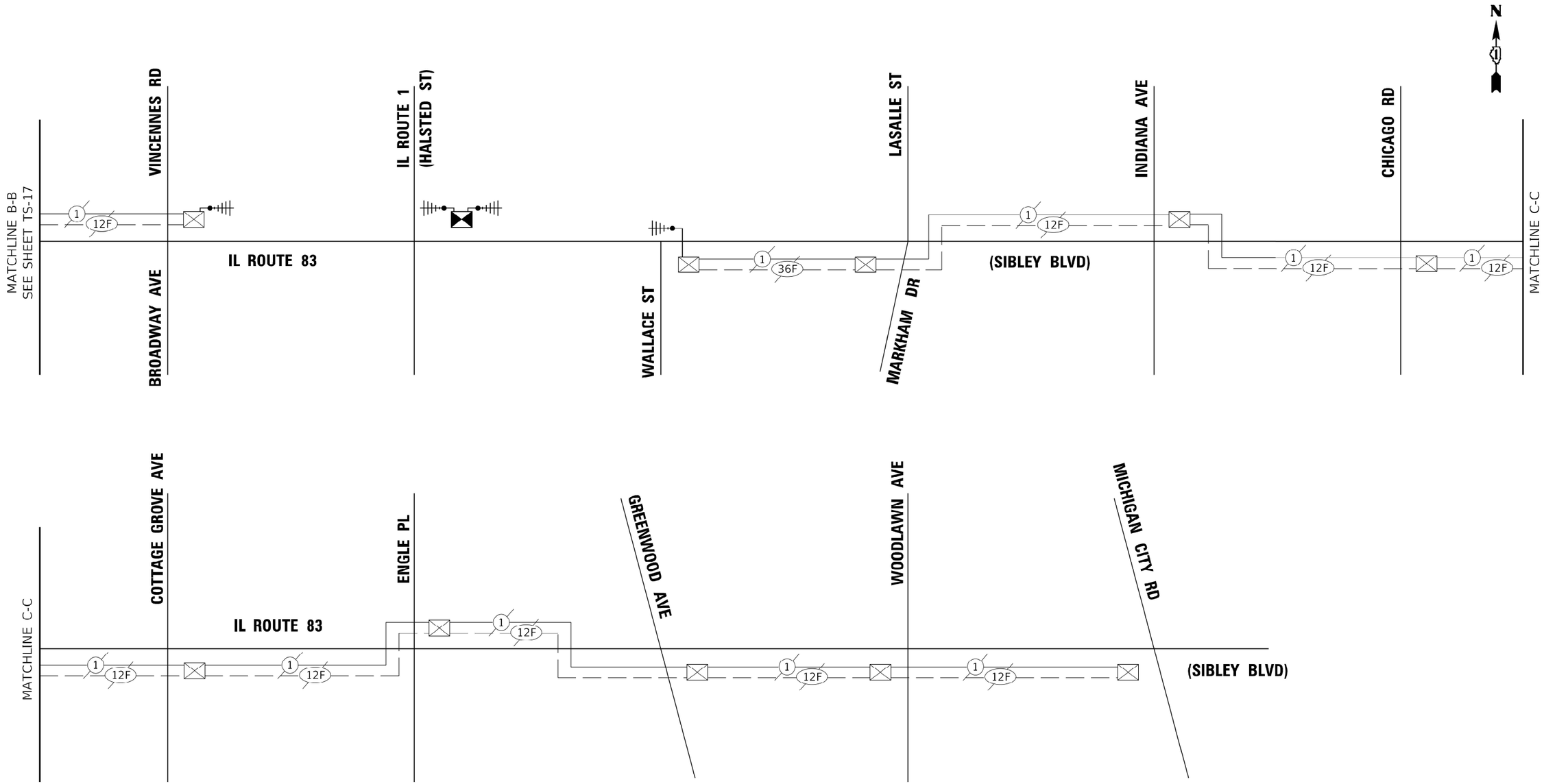
USER NAME = echoi	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 2.0000 ' / in	CHECKED - GG	REVISED -	
PLOT DATE = 5/19/2023	DATE - 05/19/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC (SHEET 1 OF 2)
IL ROUTE 83 (147TH ST) FROM HOMAN AVE TO MICHIGAN CITY RD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	37
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	



TS SHT NO. 18

EAGLE 3J

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SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

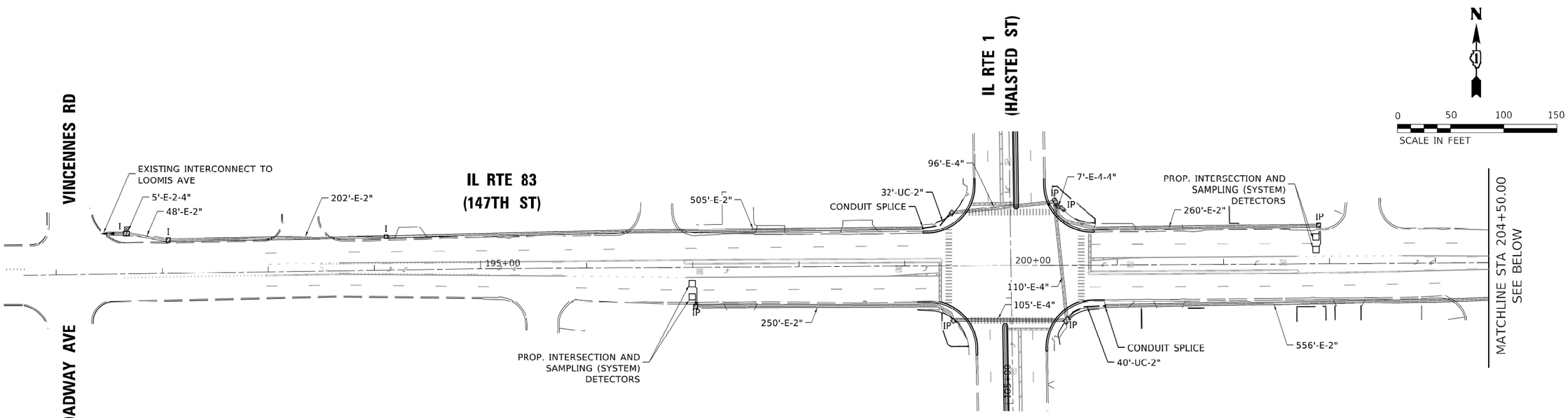
USER NAME = echoi	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 2.0000 ' / in	CHECKED - GG	REVISED -	
PLOT DATE = 5/19/2023	DATE - 05/19/2023	REVISED -	

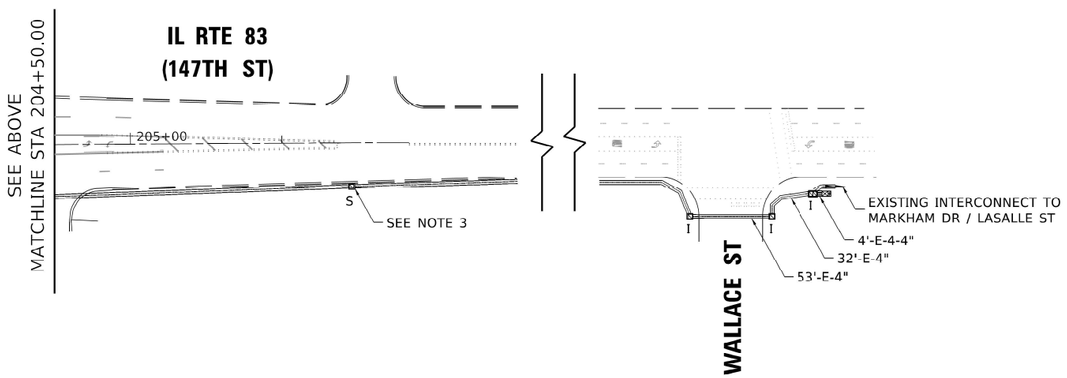
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC (SHEET 2 OF 2)
IL ROUTE 83 (147TH ST) FROM HOMAN AVE TO MICHIGAN CITY RD

SCALE: NTS | SHEET 2 OF 2 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	38
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		





INTERCONNECT NOTES:

1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
2. THE CONTRACTOR SHALL PULL THE PROPOSED FIBER OPTIC CABLE AND TRACER THROUGH THE EXISTING CONDUIT OF IL ROUTE 83 BETWEEN HALSTED ST. AND VINCENNES RD. / BROADWAY AVE.
3. THE CONTRACTOR SHALL PULL BACK THE EXISTING FIBER OPTIC CABLE AND TRACER BETWEEN HALSTED ST. AND WALLACE ST. FROM THE HALSTED ST. CONTROLLER ALL THE WAY UP TO THE HANDHOLE AT STA. 206+50 ALONG IL ROUTE 83. THE CONTRACTOR SHALL STORE THE PULLED BACK CABLES AT THE HANDHOLE AND THEN REINSTALL THE CABLES BACK TO THE HALSTED ST. AFTER THE NEW CONTROLLER AND CONDUITS ARE BUILT.
4. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING FIBER OPTIC CABLE AND WILL BE REQUIRED TO REPLACE ANY DAMAGED CABLE AT NO ADDITIONAL COST TO THE CONTRACT.

EAGLE 3J

TS SHT NO. 19

MODEL: Default
FILE NAME: \\fs01\Projects\21386.1104 CADD\CADD Sheets\P1009 B-sht-ts-19 Prop. Signal Interconnect Plan.dgn

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

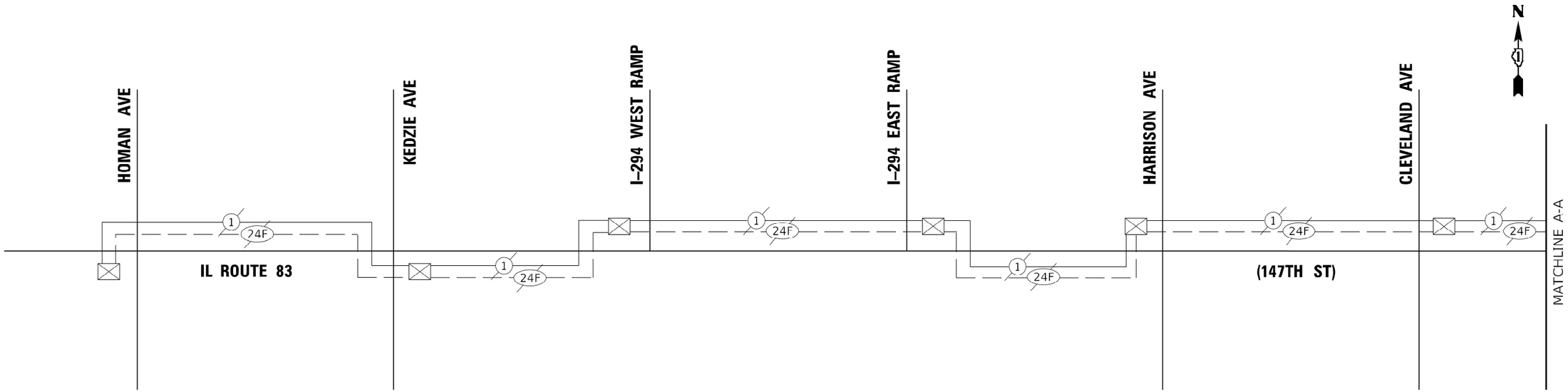
USER NAME = echoi	DESIGNED - EEC	REVISED -
	DRAWN - EEC	REVISED -
PLOT SCALE = 99.9998 ' / in.	CHECKED - GG	REVISED -
PLOT DATE = 5/19/2023	DATE - 05/19/2023	REVISED -

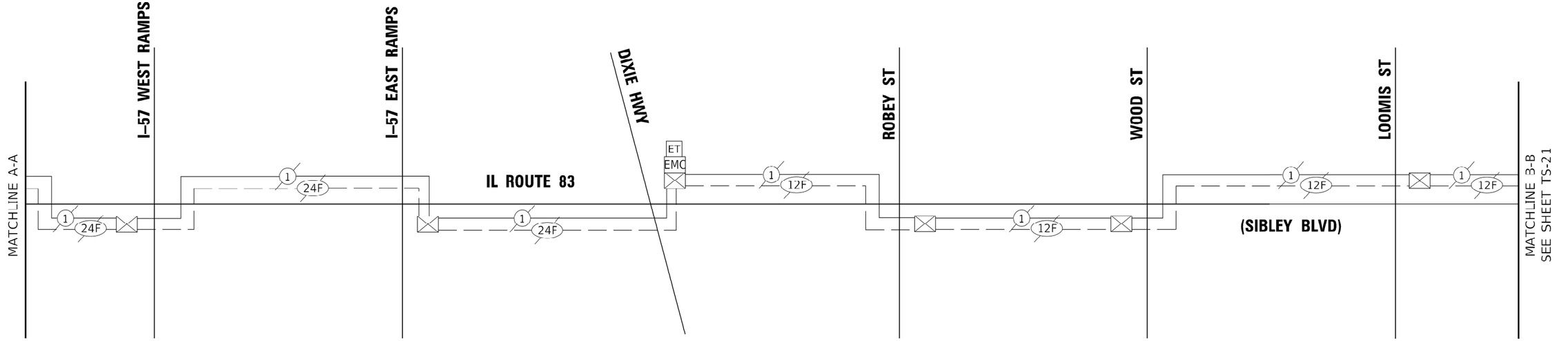
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
IL ROUTE 83 (147TH ST) – VINCENNES RD TO WALLACE ST

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. ___+__.__ TO STA. ___+__.__

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	39
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		





TS SHT NO. 20

EAGLE 3J

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SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

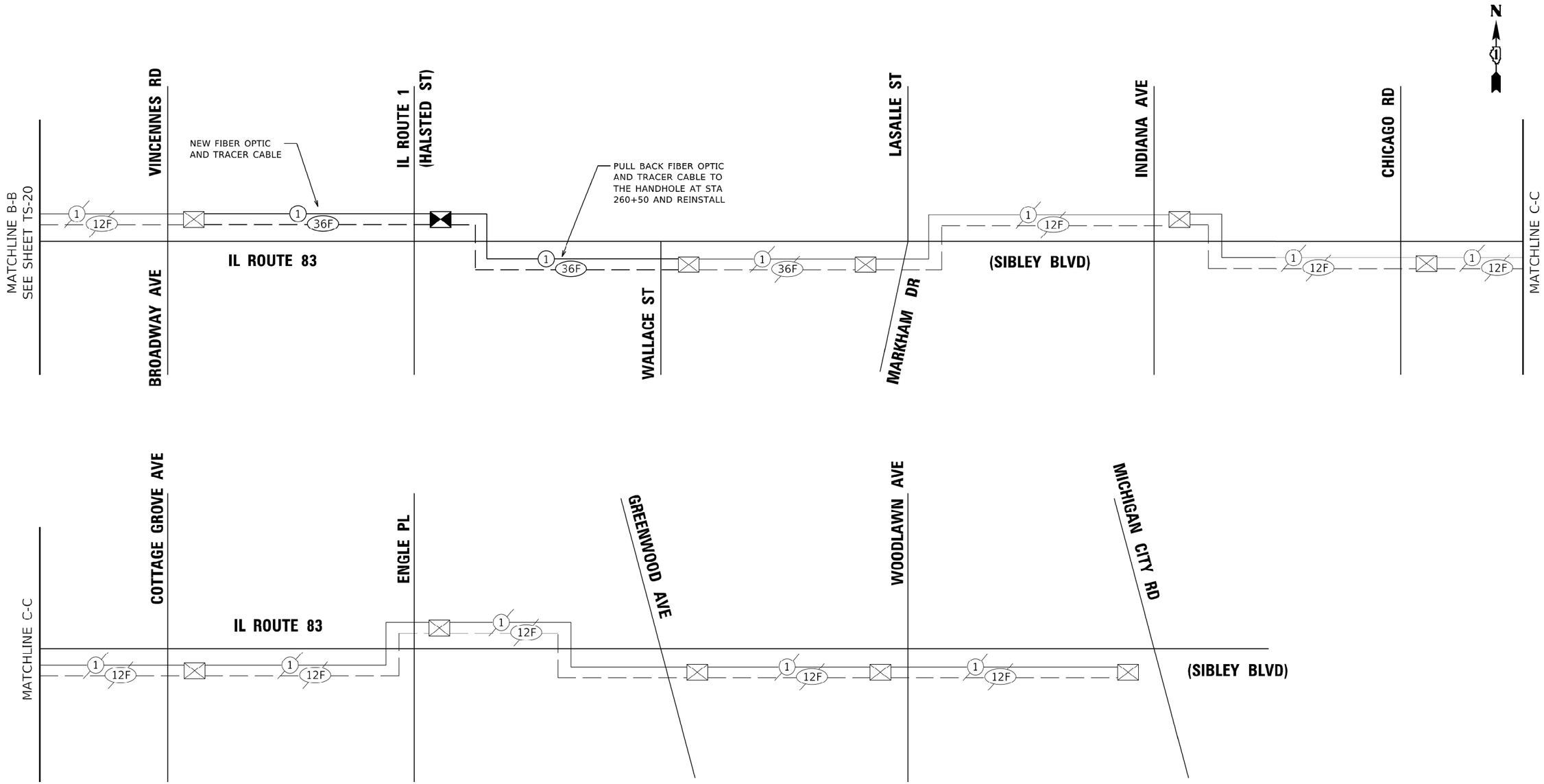
USER NAME = echoi	DESIGNED - EEC	REVISED -	
	DRAWN - EEC	REVISED -	
PLOT SCALE = 2.0000 ' / in	CHECKED - GG	REVISED -	
PLOT DATE = 5/19/2023	DATE - 05/19/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC (SHEET 1 OF 2)
IL ROUTE 83 (147TH ST) FROM HOMAN AVE TO MICHIGAN CITY RD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	40
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		



SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	72
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
	TRANSCEIVER - FIBER OPTIC	EACH	1
	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	950
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,900
*	ROD AND CLEAN EXISTING CONDUIT	FOOT	1,061
	REMOVE AND REINSTALL FIBER OPTIC IN CONDUIT	FOOT	730
	CONDUIT SPLICE	EACH	2
	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	950
	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

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

EAGLE 3J

TS SHT NO. 21

MODEL: Default
FILE NAME: \\fs01\Projects\21386.1104 CADD\CADD Sheets\P10918-sht-ts-21 Prop Signal Interconnect Schematic2.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

USER NAME = echoi	DESIGNED - EEC	REVISED -
	DRAWN - EEC	REVISED -
PLOT SCALE = 2.0000 ' / in	CHECKED - GG	REVISED -
PLOT DATE = 5/19/2023	DATE - 05/19/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT SCHEMATIC (SHEET 2 OF 2)
IL ROUTE 83 (147TH ST) FROM HOMAN AVE TO MICHIGAN CITY RD

SCALE: NTS | SHEET 2 OF 2 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
397	FAU 3730 22 SIGNALS	COOK	81	41
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		

LIGHTING AND ELECTRICAL LEGEND

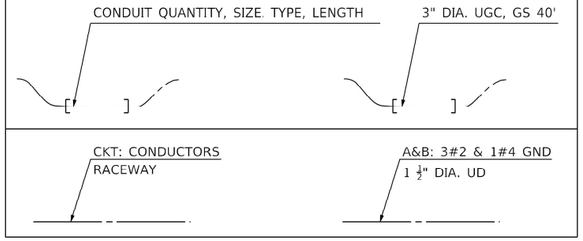
SYMBOL	DESCRIPTION
E	CITY OF HARVEY LIGHTING UNIT TO REMAIN
R	CITY OF HARVEY LIGHTING UNIT TO BE REMOVED
	IDOT COMBINATION LIGHT POLE 45 FT LUMINAIRE MOUNTING HEIGHT 15 FT LUMINAIRE ARM LUMINAIRE, LED, OUTPUT H, 120V WITH 6 AMP FUSE & NEUTRAL SLUG
	EXISTING UNDERGROUND CABLE IN CONDUIT TO REMAIN
— E —	EXISTING UNDERGROUND CONDUIT TO BE REMOVED
	PROPOSED CONDUIT, SIZE AND TYPE AS NOTED
	PROPOSED CNC IN GALVANIZED STEEL CONDUIT, SIZE AND TYPE AS NOTED

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
ATS	ATTACHED TO STRUCTURE
B.O.C.	BACK OF CURB
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
COMED	COMMONWEALTH EDISON COMPANY
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
EX.	EXISTING
ECA	ELECTRIC CABLE ASSEMBLY
EIS	EMBEDDED IN STRUCTURE
E.O.P.	EDGE OF PAVEMENT
F.O.C.	FACE OF CURB
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
LP	LIGHT POLE
M	METER
MA	MAST ARM
MC	MULTI-CONDUCTOR
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NESC	NATIONAL ELECRIC SAFETY CODE
NO. #	NUMBER
N.T.S.	NOT TO SCALE
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC RGC	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T/F	TOP OF FOUNDATION
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUCT, GALVANIZED STEEL
VAC	VOLTS, ALTERNATING CURRENT
W	WATTS
WP	WOOD POLE
XFMR	TRANSFORMER
HPS	HIGH PRESSURE SODIUM
LPS	LOW PRESSURE SODIUM
LTFM	LIQUID TIGHT FLEXIBLE METALLIC

CALL–OUT SAMPLE

DEFINITION AND EXAMPLE



GENERAL NOTES

1. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL CONTACT MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.

IDOT–D1 STANDARDS:

STANDARD NO.	TITLE
BE-240	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC
BE-301	LIGHT POLE FOUNDATION 40' TO 47 1/2" M.H. 15" BOLT CIRCLE
BE-400	ALUMINUM LIGHT POLE 47'-6" MOUNTING HEIGHT
BE-701	LUMINAIRE SAFETY CABLE
BE-702	MISC. ELECTRICAL DETAILS SHEET A
BE-800	TEMPORARY LIGHT POLE DETAILS

INDEX OF DRAWINGS:

DRAWING NO.	TITLE
LT-01	LIGHTING LEGEND, GENERAL NOTES, AND INDEX OF DRAWINGS
LT-02	IL ROUTE 83 AT MORGAN ST. LIGHTING REMOVAL PLAN
LT 03	IL ROUTE 83 AT MORGAN ST. LIGHTING MODIFICATION PLAN
LT-04	IL ROUTE 83 AT MORGAN ST. IDOT PROPOSED LIGHTING COMBINATION PLAN

BILL OF MATERIALS

ITEM	UNIT	TOTAL QTY	ROADWAY LIGHTING	COMBINATION LIGHTING
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	160	160	-
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	1,365	1,365	-
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	896	-	896
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2,710	2,710	-
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	8,130	8,130	-
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	250	250	-
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	1	1	-
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4	-	4
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	1	1	-
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1	1	-
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	6	6	-
REMOVAL OF POLE FOUNDATION	EACH	8	8	-
CONDUIT SPLICE	EACH	7	7	-
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4	4	-
COMBINATION LIGHTING CONTROLLER	EACH	1	-	1
TEMPORARY MAST ARM, ALUMINUM, 15FT	EACH	4	4	-
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	5	1	4
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6	6	-

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SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS

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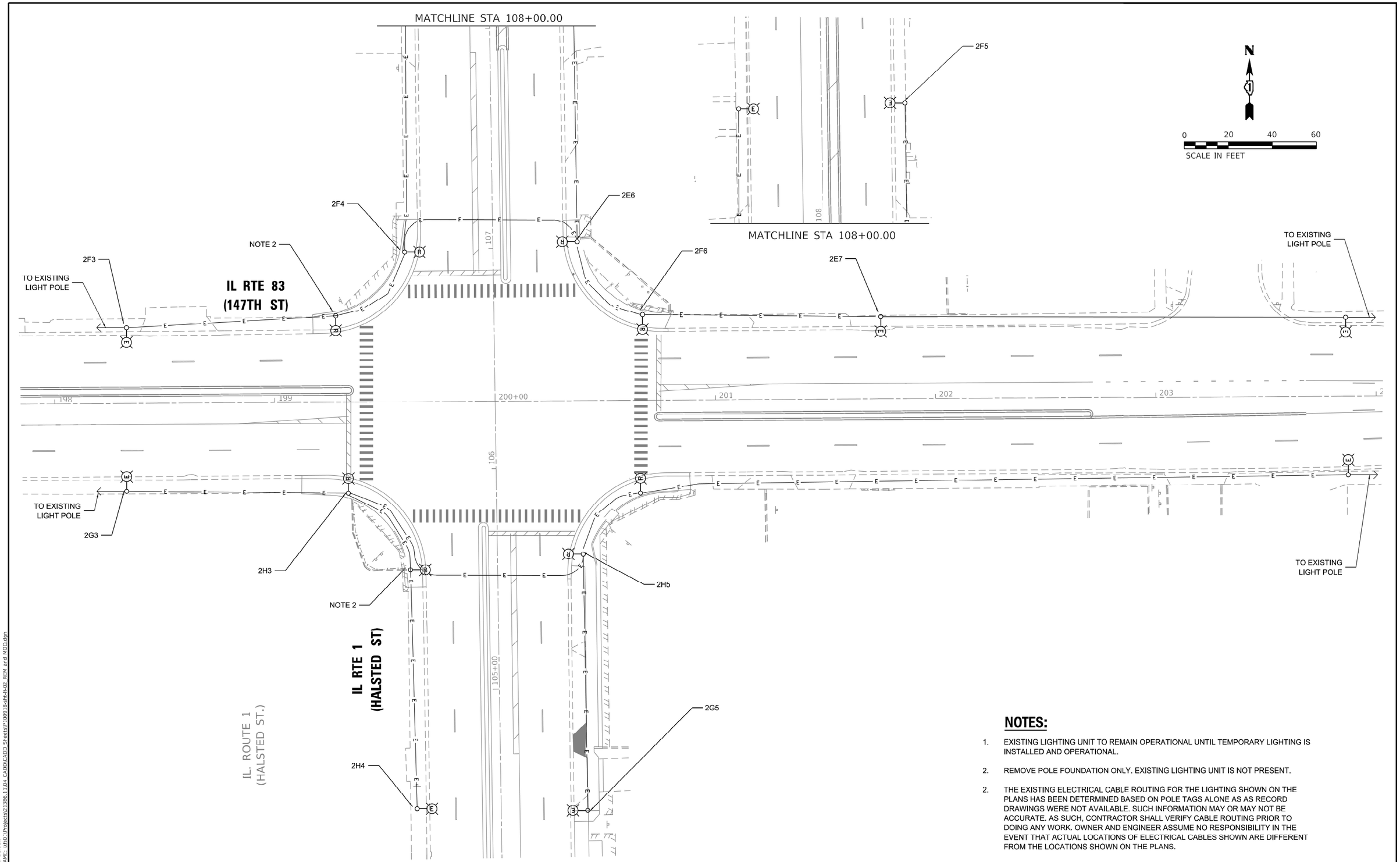
	DRAWN - MAG	REVISED -
PLOT SCALE = 49.9999 ' / in.	CHECKED - RP/MG	REVISED -
PLOT DATE = 5/8/2023	DATE - 05/03/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING LEGEND, GENERAL NOTES, AND INDEX OF DRAWINGS
IL. ROUTE 1 (HALSTED St.) AT IL. ROUTE 83 (147TH ST.)

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	42
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. EXISTING LIGHTING UNIT TO REMAIN OPERATIONAL UNTIL TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL.
2. REMOVE POLE FOUNDATION ONLY. EXISTING LIGHTING UNIT IS NOT PRESENT.
2. THE EXISTING ELECTRICAL CABLE ROUTING FOR THE LIGHTING SHOWN ON THE PLANS HAS BEEN DETERMINED BASED ON POLE TAGS ALONE AS AS RECORD DRAWINGS WERE NOT AVAILABLE. SUCH INFORMATION MAY OR MAY NOT BE ACCURATE. AS SUCH, CONTRACTOR SHALL VERIFY CABLE ROUTING PRIOR TO DOING ANY WORK. OWNER AND ENGINEER ASSUME NO RESPONSIBILITY IN THE EVENT THAT ACTUAL LOCATIONS OF ELECTRICAL CABLES SHOWN ARE DIFFERENT FROM THE LOCATIONS SHOWN ON THE PLANS.

LT–02

MODEL: Default
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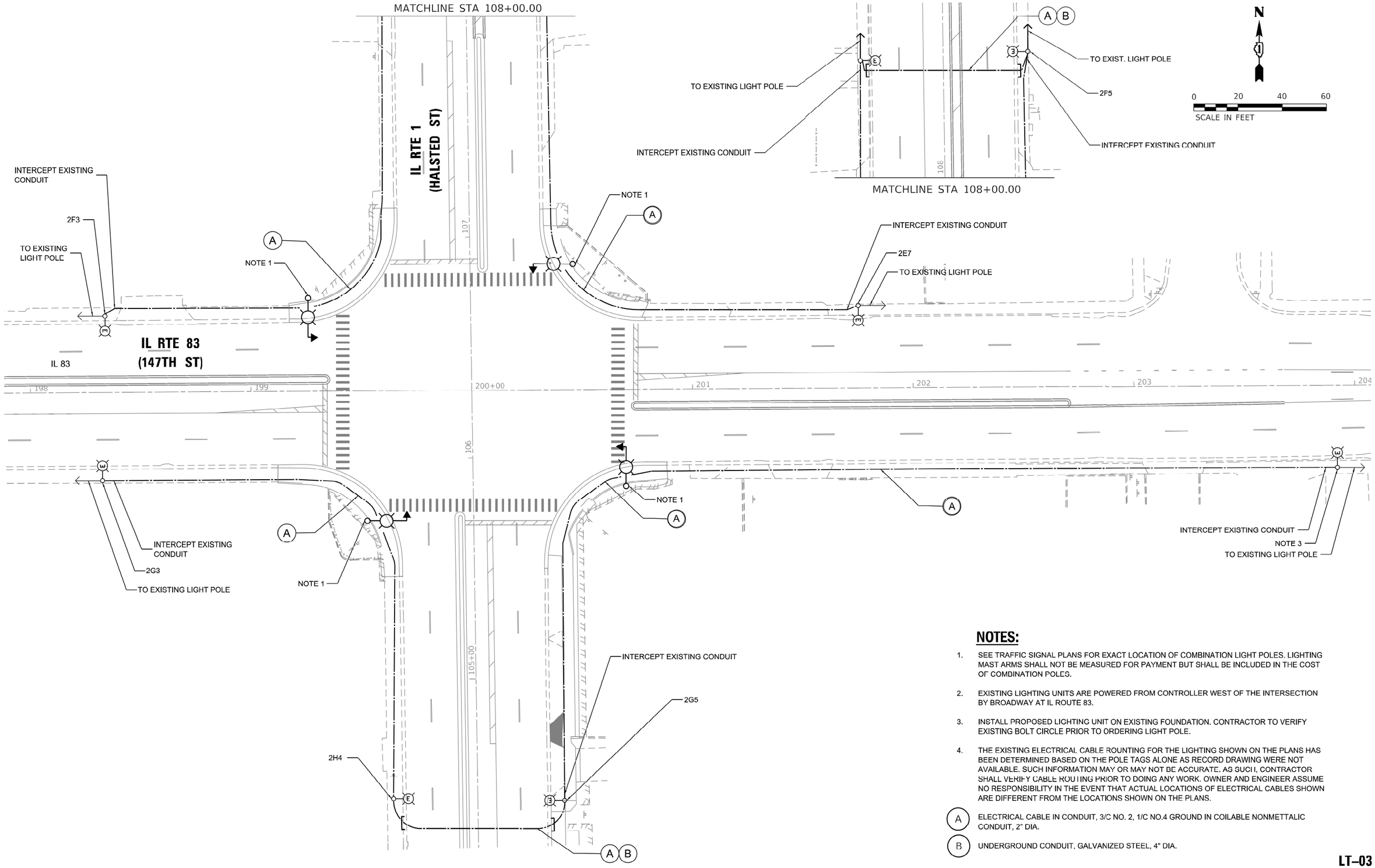
SINGH + ASSOCIATES, INC. CONSULTING ENGINEERS	USER NAME = mgarvida	DESIGNED - MAG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING REMOVAL PLAN IL ROUTE 83 (147TH STREET) AT IL ROUTE 1 (HALSTED STREET)
		DRAWN - MAG	REVISED -		
	PLOT SCALE = 39.9999 ' / in.	CHECKED - RP/MG	REVISED -		
	PLOT DATE = 5/8/2023	DATE - 05/03/2023	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. __+__.__ TO STA. __+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	43
		CONTRACT NO. 62T51		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. SEE TRAFFIC SIGNAL PLANS FOR EXACT LOCATION OF COMBINATION LIGHT POLES. LIGHTING MAST ARMS SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF COMBINATION POLES.
2. EXISTING LIGHTING UNITS ARE POWERED FROM CONTROLLER WEST OF THE INTERSECTION BY BROADWAY AT IL ROUTE 83.
3. INSTALL PROPOSED LIGHTING UNIT ON EXISTING FOUNDATION. CONTRACTOR TO VERIFY EXISTING BOLT CIRCLE PRIOR TO ORDERING LIGHT POLE.
4. THE EXISTING ELECTRICAL CABLE ROUNTING FOR THE LIGHTING SHOWN ON THE PLANS HAS BEEN DETERMINED BASED ON THE POLE TAGS ALONE AS RECORD DRAWING WERE NOT AVAILABLE. SUCH INFORMATION MAY OR MAY NOT BE ACCURATE. AS SUCH, CONTRACTOR SHALL VERIFY CABLE ROUTING PRIOR TO DOING ANY WORK. OWNER AND ENGINEER ASSUME NO RESPONSIBILITY IN THE EVENT THAT ACTUAL LOCATIONS OF ELECTRICAL CABLES SHOWN ARE DIFFERENT FROM THE LOCATIONS SHOWN ON THE PLANS.

(A) ELECTRICAL CABLE IN CONDUIT, 3/C NO. 2, 1/C NO.4 GROUND IN COILABLE NONMETTALIC CONDUIT, 2" DIA.

(B) UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.

LT–03

MODEL: Default
FILE NAME: \\fs0-\Projects\21386.11.04 CADD\CADD Sheets\P1009 18-sht-lt-03 MOD.dgn

SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

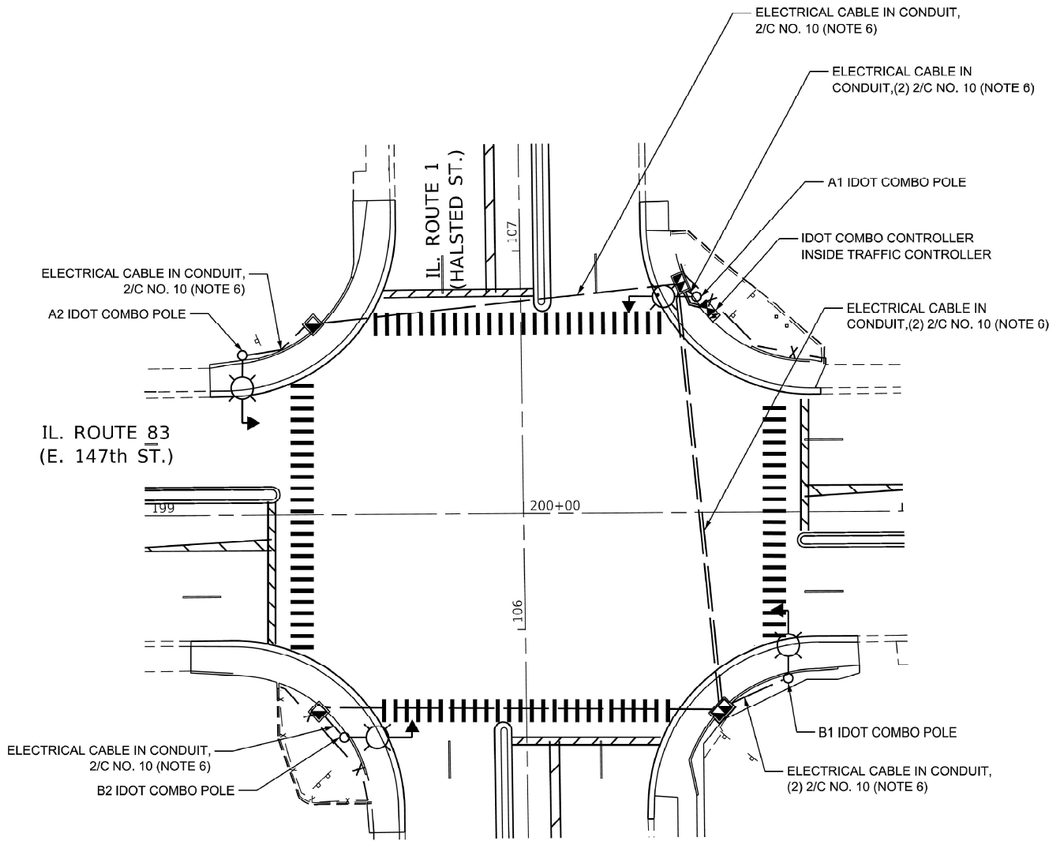
USER NAME = mgarvida	DESIGNED - MAG	REVISED -	
	DRAWN - MAG	REVISED -	
PLOT SCALE = 39.9999 ' / in.	CHECKED - RP/MG	REVISED -	
PLOT DATE = 5/8/2023	DATE - 05/03/2023	REVISED -	

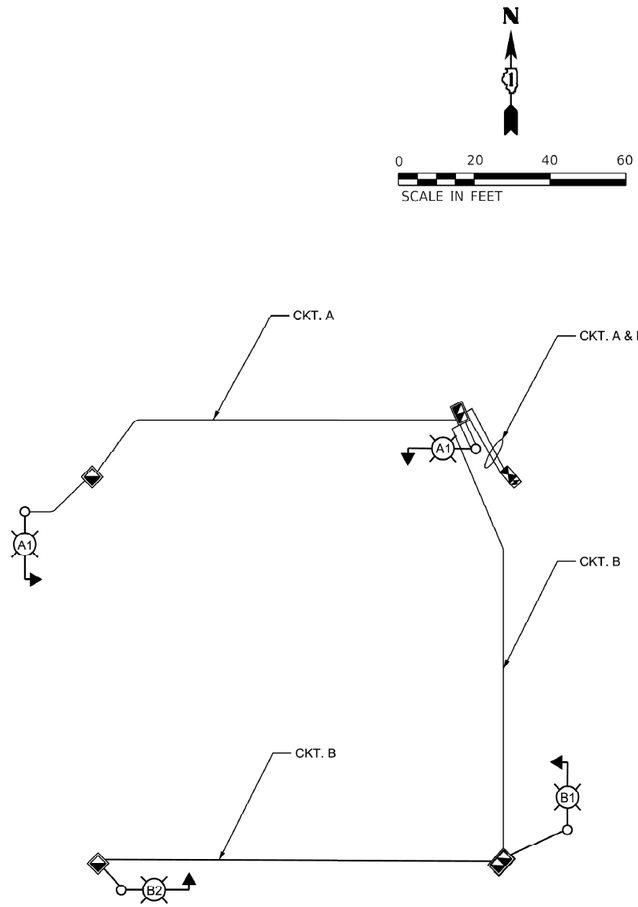
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL AND MODIFICATION PLAN
IL ROUTE 83 (147TH STREET) AT IL ROUTE 1 (HALSTED STREET)

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. ___+__.__ TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	44
		CONTRACT NO. 62T51		
		ILLINOIS FED. AID PROJECT		





SINGLE LINE DIAGRAM

NOTES:

1. THE IDOT COMBO LIGHTING CIRCUITING SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
2. LUMINAIRES ARE POWERED FROM IDOT TRAFFIC CONTROLER. SEE BE-240.
3. THE COMBO LIGHTING CABLE AND SIGNAL CABLES WILL BE IN SHARED CONDUIT.
4. SEE TRAFFIC PLANS FOR LOCATION OF COMBO POLES, HANDHOLES AND CONDUIT.
5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBO POLES. CIRCUITING DECALS SHOWN IS FOR GUIDANCE ONLY.
6. ELECTRICAL CABLE SHALL BE ROUTED THROUGH THE TRAFFIC SIGNAL CONDUITS. SEE TRAFFIC SIGNAL PLANS FOR CONDUIT SIZE AND CONDUIT ROUTE.

MODEL: Default
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LT–04

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

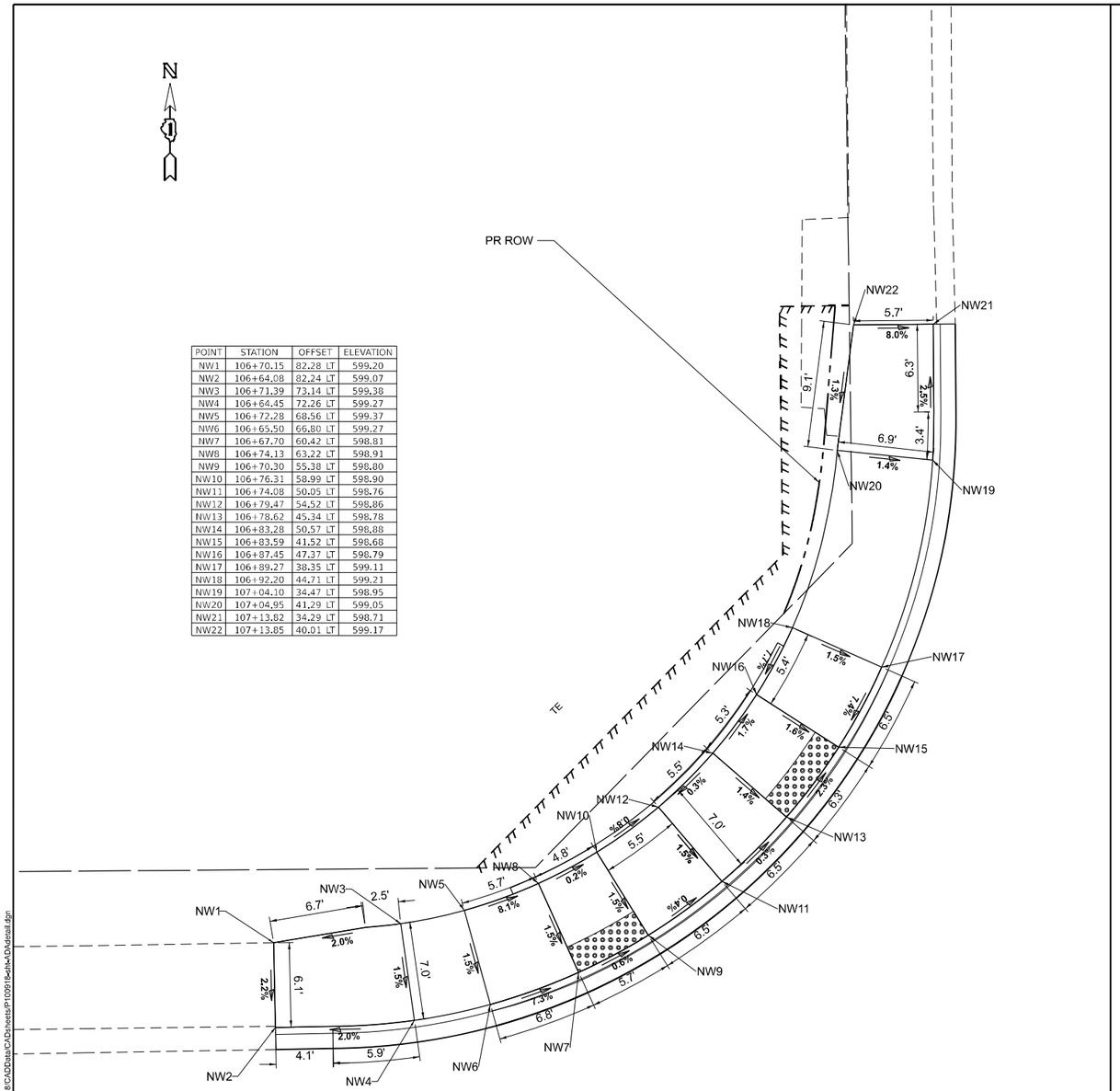
USER NAME = mgarvida	DESIGNED - MAG	REVISED -
	DRAWN - MAG	REVISED -
PLOT SCALE = 79.9998 ' / in.	CHECKED - RP/MG	REVISED -
PLOT DATE = 5/8/2023	DATE - 05/03/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

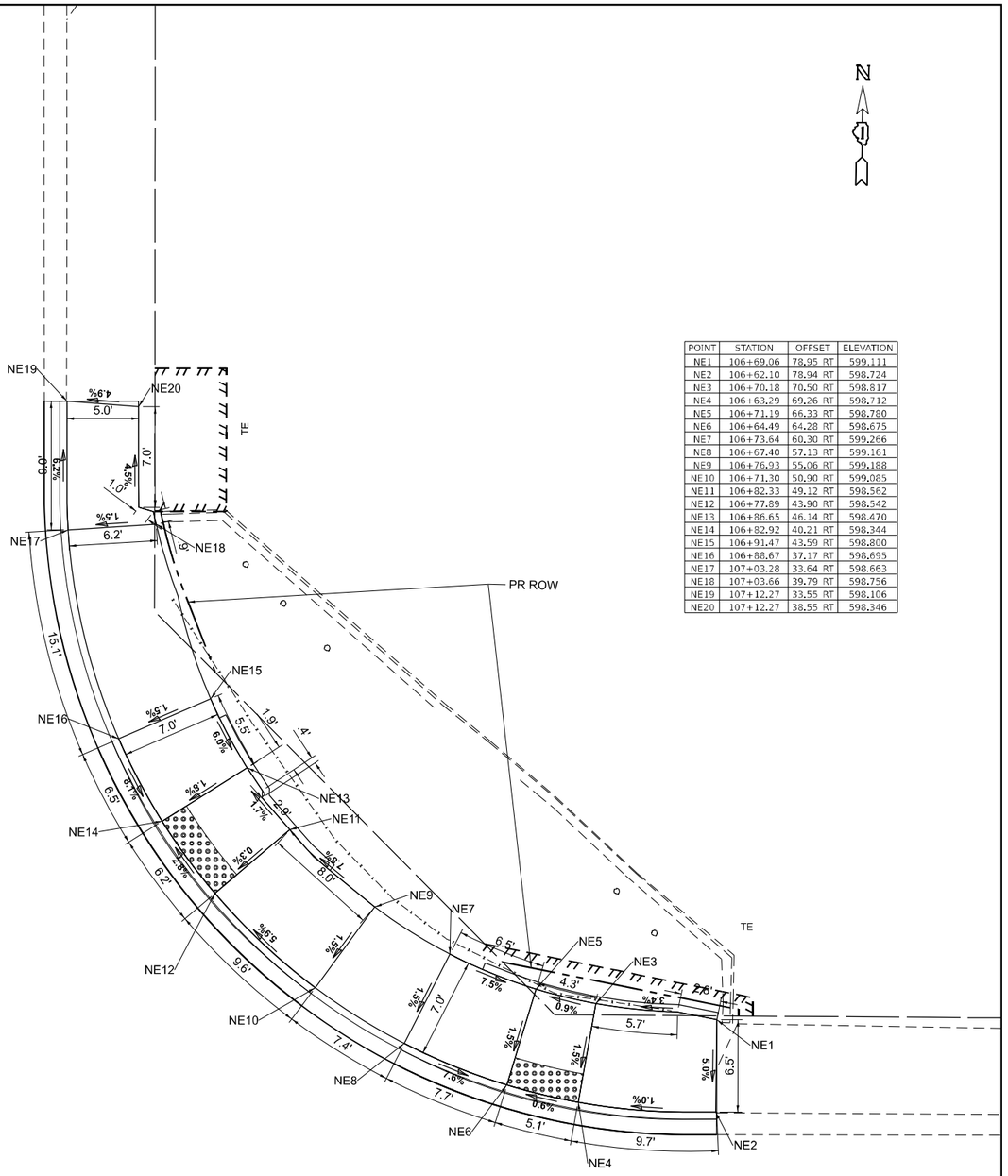
PROPOSED LIGHTING COMBINATION PLAN
IL ROUTE 83 (147TH STREET) AT IL ROUTE 1 (HALSTED STREET)

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	45
		CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			



POINT	STATION	OFFSET	ELEVATION
NW1	106+70.15	82.28 LT	599.20
NW2	106+64.08	82.24 LT	599.07
NW3	106+71.39	73.14 LT	599.38
NW4	106+64.45	72.26 LT	599.27
NW5	106+72.28	68.56 LT	599.37
NW6	106+65.50	66.80 LT	599.27
NW7	106+67.70	60.42 LT	598.81
NW8	106+74.13	63.22 LT	598.91
NW9	106+70.30	55.38 LT	598.80
NW10	106+76.31	58.99 LT	598.90
NW11	106+74.08	50.05 LT	598.76
NW12	106+79.47	54.52 LT	598.86
NW13	106+78.62	45.34 LT	598.78
NW14	106+83.28	50.57 LT	598.88
NW15	106+83.59	41.52 LT	598.68
NW16	106+87.45	47.37 LT	598.79
NW17	106+89.27	38.35 LT	599.11
NW18	106+92.20	44.71 LT	599.21
NW19	107+04.10	34.47 LT	598.95
NW20	107+04.95	41.29 LT	599.05
NW21	107+13.82	34.29 LT	598.71
NW22	107+13.85	40.01 LT	599.17



POINT	STATION	OFFSET	ELEVATION
NE1	106+69.06	78.95 RT	599.111
NE2	106+62.10	78.94 RT	598.724
NE3	106+70.18	70.50 RT	598.817
NE4	106+63.29	69.26 RT	598.712
NE5	106+71.19	66.33 RT	598.780
NE6	106+64.49	64.28 RT	598.675
NE7	106+73.64	60.30 RT	599.266
NE8	106+67.40	57.13 RT	599.161
NE9	106+76.93	55.06 RT	599.188
NE10	106+71.30	50.90 RT	599.085
NE11	106+82.33	49.12 RT	598.562
NE12	106+77.89	43.90 RT	598.542
NE13	106+86.65	46.14 RT	598.470
NE14	106+82.92	40.21 RT	598.344
NE15	106+91.47	43.59 RT	598.800
NE16	106+88.67	37.17 RT	598.695
NE17	107+03.28	33.64 RT	598.663
NE18	107+03.66	39.79 RT	598.756
NE19	107+12.27	33.55 RT	598.106
NE20	107+12.27	38.55 RT	598.346

REFERENCE BENCHMARK ELEVATION 600.436'

BENCHMARK: "X" CUT ON S.E. BOLT OF LIGHT POLE

LOCATION: S.W. QUAD OF IL ROUTE 1 AND IL ROUTE 83

LEGEND

- xx.xx' — EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) — EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEVATION 600.436'

BENCHMARK: "X" CUT ON S.E. BOLT OF LIGHT POLE

LOCATION: S.W. QUAD OF IL ROUTE 1 AND IL ROUTE 83

USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666833 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	84	46
		CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

Long Section Number

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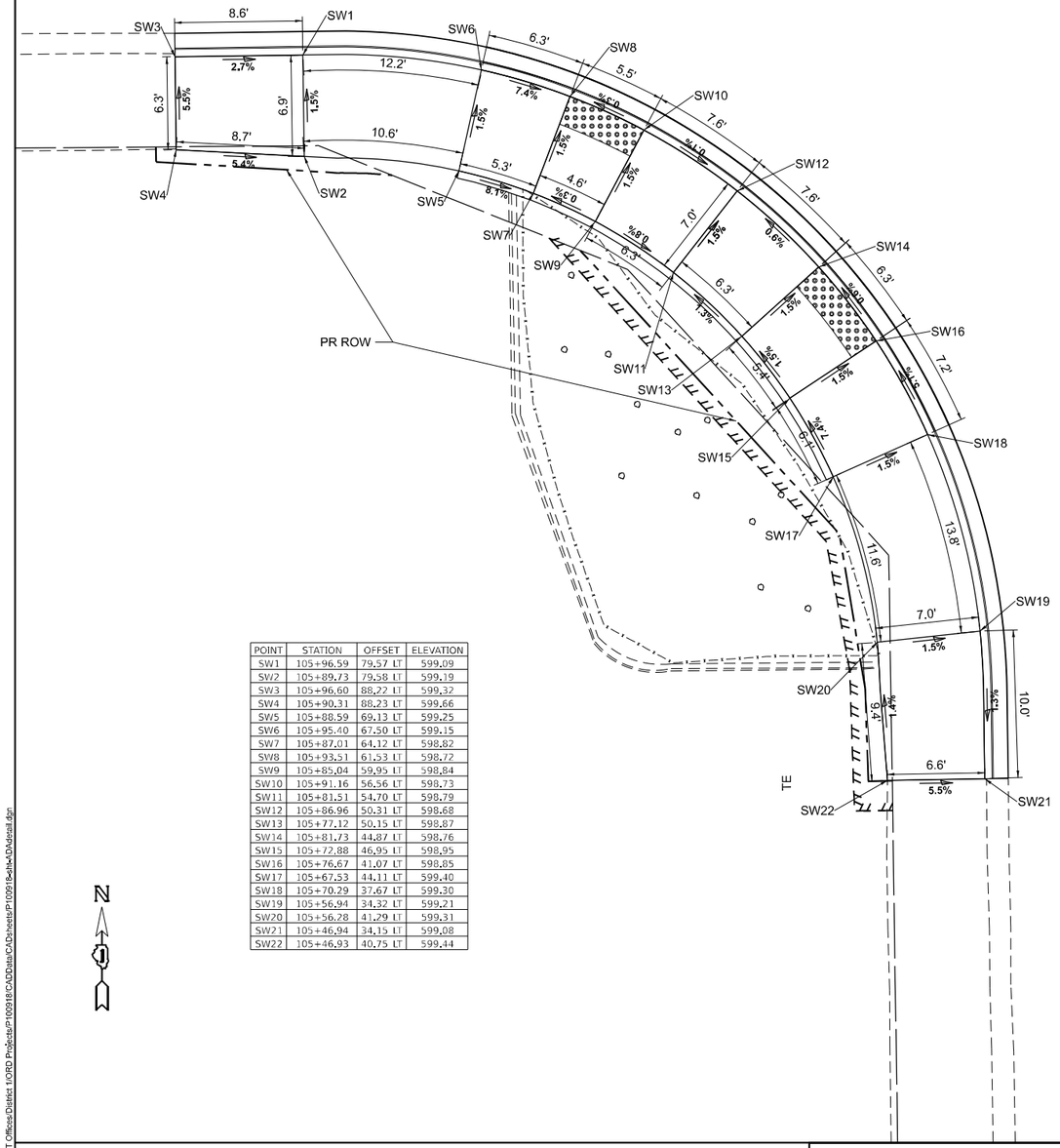
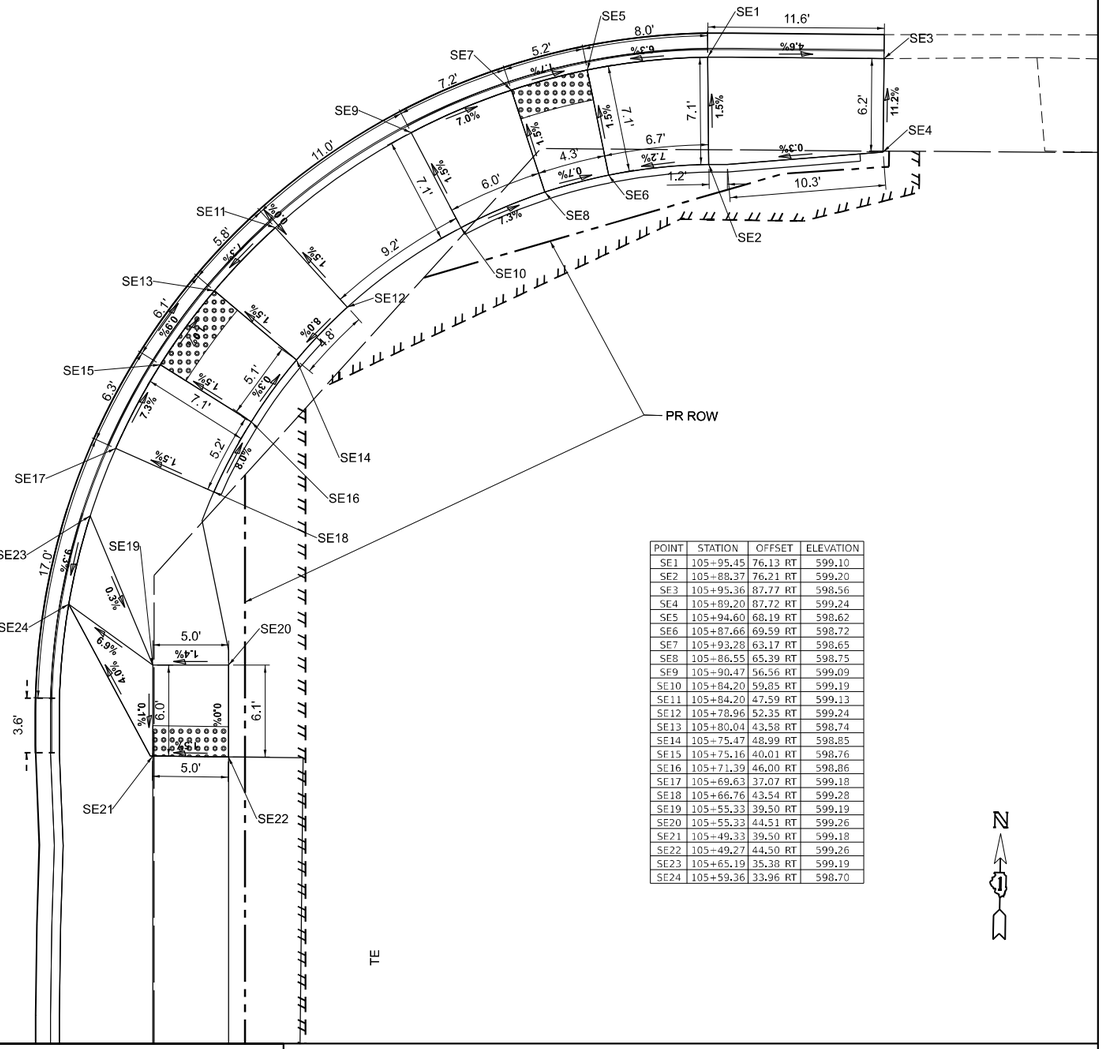


POINT	STATION	OFFSET	ELEVATION
SW1	105+96.59	79.57 LT	599.09
SW2	105+89.73	79.58 LT	599.19
SW3	105+96.60	88.22 LT	599.32
SW4	105+90.31	88.23 LT	599.66
SW5	105+88.59	69.13 LT	599.25
SW6	105+95.40	67.50 LT	599.15
SW7	105+87.01	64.12 LT	598.82
SW8	105+93.51	61.53 LT	598.72
SW9	105+85.04	59.95 LT	598.84
SW10	105+91.16	56.56 LT	598.73
SW11	105+81.51	54.70 LT	598.79
SW12	105+86.96	50.31 LT	598.68
SW13	105+77.12	50.15 LT	598.87
SW14	105+81.73	44.87 LT	598.76
SW15	105+72.88	46.95 LT	598.95
SW16	105+76.67	41.07 LT	598.85
SW17	105+67.53	44.11 LT	599.40
SW18	105+70.29	37.67 LT	599.30
SW19	105+56.94	34.32 LT	599.21
SW20	105+56.28	41.29 LT	599.31
SW21	105+46.94	34.15 LT	599.08
SW22	105+46.93	40.75 LT	599.44



POINT	STATION	OFFSET	ELEVATION
SE1	105+95.45	76.13 RT	599.10
SE2	105+88.37	76.21 RT	599.20
SE3	105+95.36	87.77 RT	598.56
SE4	105+89.20	87.72 RT	599.24
SE5	105+94.60	68.19 RT	598.62
SE6	105+87.66	69.59 RT	598.72
SE7	105+93.28	63.17 RT	598.65
SE8	105+86.55	65.39 RT	598.75
SE9	105+90.47	56.56 RT	599.09
SE10	105+84.20	59.85 RT	599.19
SE11	105+84.20	47.59 RT	599.13
SE12	105+78.96	52.35 RT	599.24
SE13	105+80.04	43.58 RT	598.74
SE14	105+75.47	48.99 RT	598.85
SE15	105+75.16	40.01 RT	598.76
SE16	105+71.39	46.00 RT	598.86
SE17	105+69.63	37.07 RT	599.18
SE18	105+66.76	43.54 RT	599.28
SE19	105+55.33	39.50 RT	599.19
SE20	105+55.33	44.51 RT	599.26
SE21	105+49.33	39.50 RT	599.18
SE22	105+49.27	44.50 RT	599.26
SE23	105+65.19	35.38 RT	599.19
SE24	105+59.36	33.96 RT	598.70

REFERENCE BENCHMARK ELEVATION 600.436'

BENCHMARK: "X" CUT ON S.E. BOLT OF LIGHT POLE

LOCATION: S.W. QUAD OF IL ROUTE 1 AND IL ROUTE 83

LEGEND

- EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEVATION 600.436'

BENCHMARK: "X" CUT ON S.E. BOLT OF LIGHT POLE

LOCATION: S.W. QUAD OF IL ROUTE 1 AND IL ROUTE 83

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USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

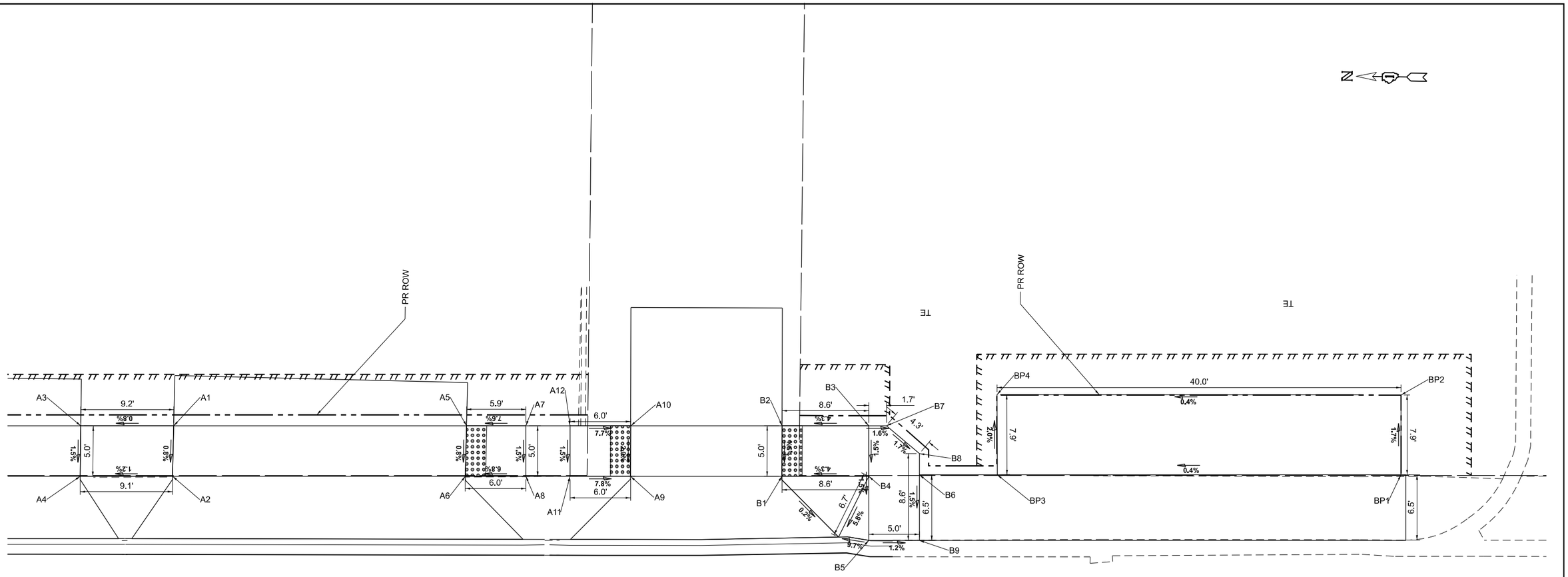
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	84	47
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		

Long Section Number



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A1	105+13.06	44.50 RT	599.29
A2	105+13.18	39.50 RT	599.26
A3	105+22.27	44.50 RT	599.26
A4	105+22.33	39.50 RT	599.18
A5	104+84.06	44.50 RT	599.33
A6	104+84.17	39.50 RT	599.33
A7	104+78.17	44.50 RT	599.78
A8	104+78.17	39.50 RT	599.70
A9	104+67.81	39.50 RT	599.19
A10	104+67.80	44.50 RT	599.26
A11	104+73.81	39.50 RT	599.68
A12	104+73.81	44.50 RT	599.75

POINT	STATION	OFFSET	ELEVATION
B1	104+52.81	39.50 RT	599.19
B2	104+52.80	44.50 RT	599.26
B3	104+44.21	44.50 RT	599.63
B4	104+44.21	39.50 RT	599.56
B5	104+44.19	33.15 RT	599.40
B6	104+39.19	39.65 RT	599.50
B7	104+42.47	44.50 RT	599.61
B8	104+39.19	41.75 RT	599.53
B9	104+39.19	33.15 RT	599.41
B10	104+47.20	33.47 RT	599.17
BP1	103+91.48	39.76 RT	599.59
BP2	103+91.48	47.55 RT	599.49
BP3	104+31.47	39.65 RT	599.51
BP4	104+31.51	47.59 RT	599.40

REFERENCE BENCHMARK ELEVATION 600.436'

BENCHMARK: "X" CUT ON S.E. BOLT OF LIGHT POLE

LOCATION: S.W. QUAD OF IL ROUTE 1 AND IL ROUTE 83

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

MODEL: ADA Boundary 5 [Sheet]
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USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

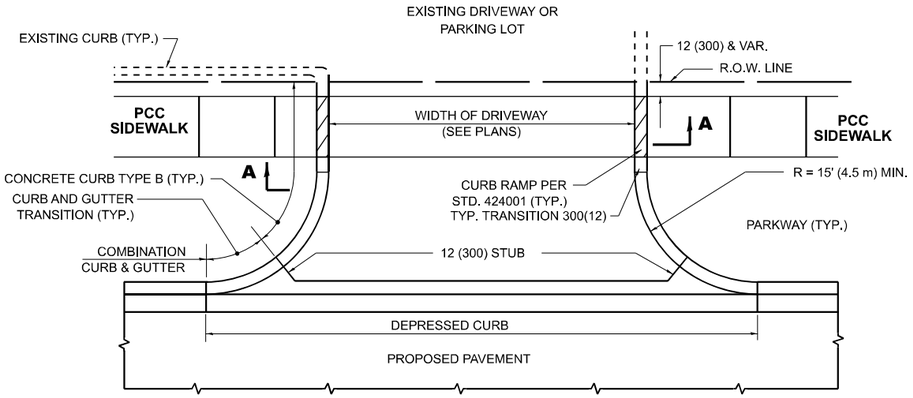
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

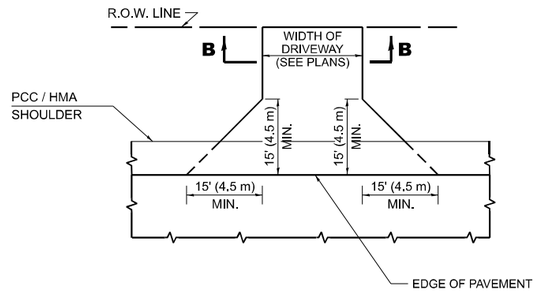
SCALE: | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	48
		CONTRACT NO. 62T51		
		ILLINOIS	FED. AID PROJECT	

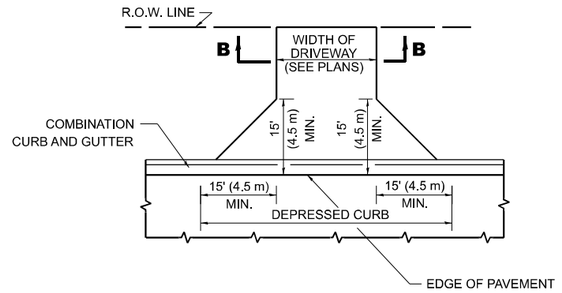
Long Section Number



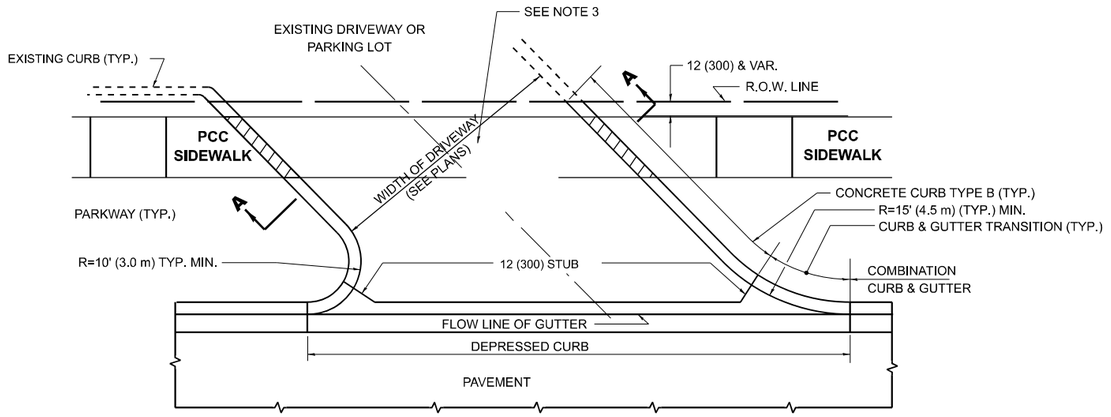
WITH CONCRETE CURB, TYPE B



ADJACENT TO PCC / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



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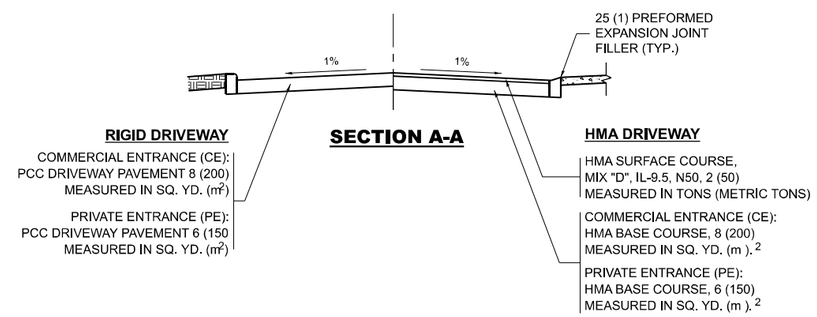

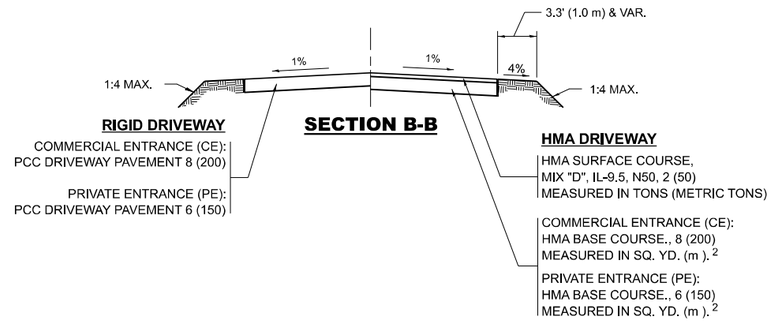

RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,
MIX "D", IL-95, N50, 2 (50)
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE COURSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m).²

GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

2. COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

MODEL: BD01 [Sheet]
FILE NAME: pw:\\Bookview.bentley.com:PWIDOT\Documents\IDOT Offices\District 1\ORD Projects\P100918\CADData\CADSheets\OldStds\Std-BD.dgn

USER NAME = daniel.woods	DESIGNED -	REVISED -	R. BORO 06-11-08
	DRAWN -	REVISED -	R. BORO 09-06-11
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	K. SMITH 08-28-19
PLOT DATE = 12/15/2023	DATE -	REVISED -	K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >15'(4.5m)

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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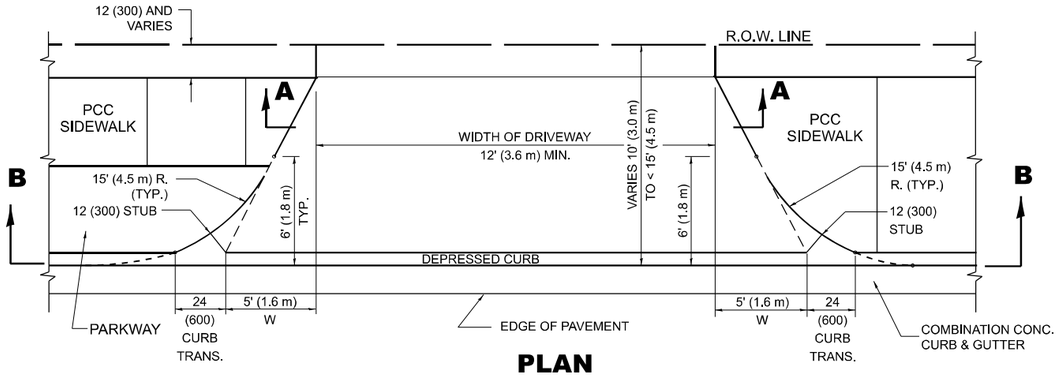
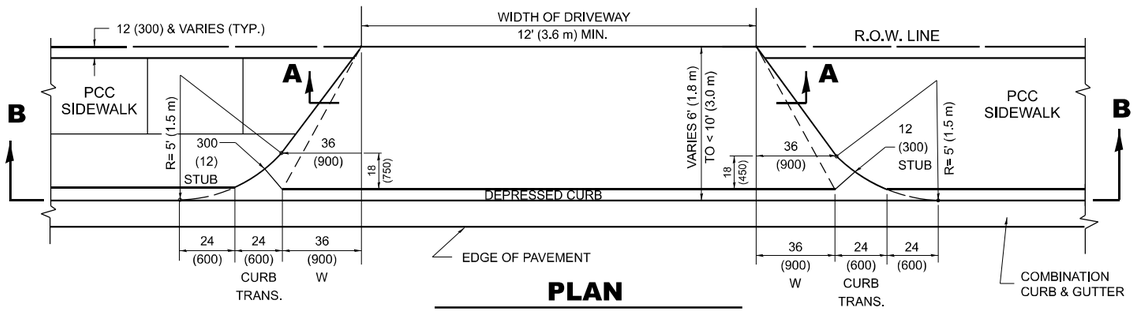
BD400-01 (BD-01)		CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			



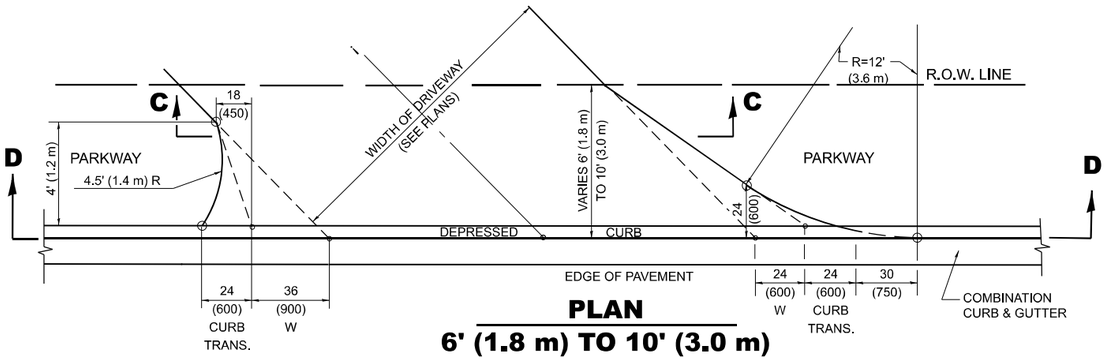
PLAN

10' (3.0 m) TO < 15' (4.5 m)



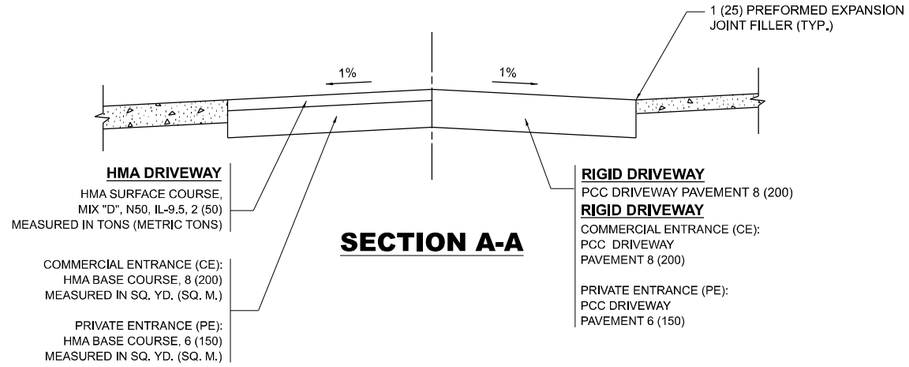
PLAN

6' (1.8 m) TO < 10' (3.0 m)

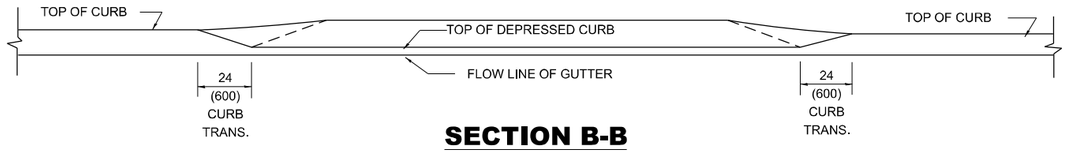


PLAN

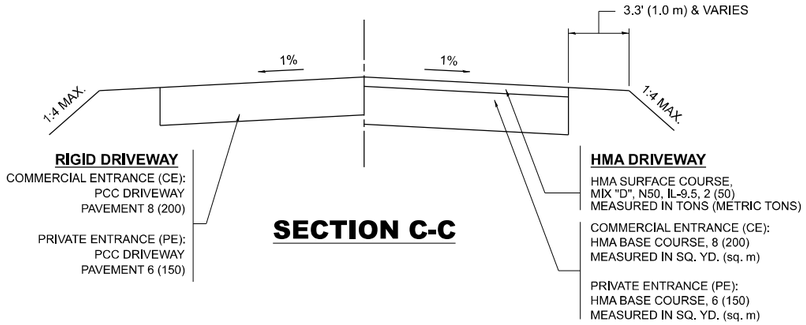
6' (1.8 m) TO 10' (3.0 m)



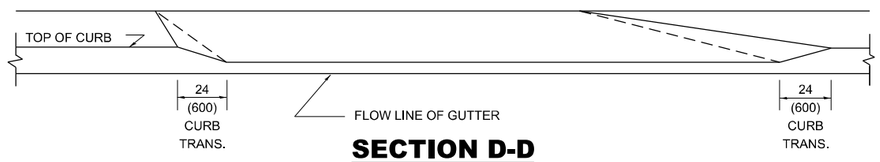
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
2. WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
3. "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

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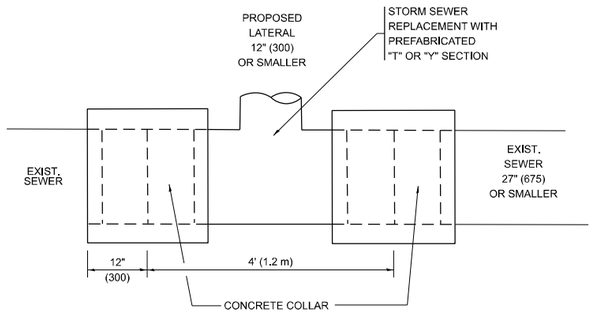
DESIGNED - | DRAWN - | CHECKED - | DATE -
REVISED - R. BORO 01-01-07
REVISED - R. BORO 09-06-11
REVISED - K. SMITH 08-27-19
REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

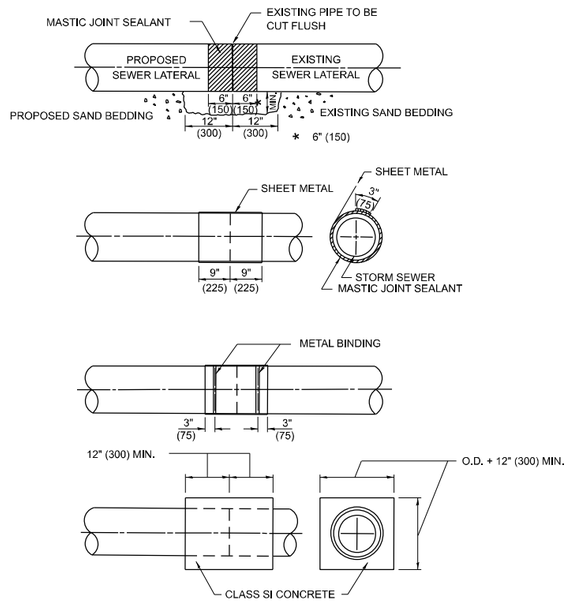
DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	50
BD400-01 (BD-02)		CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

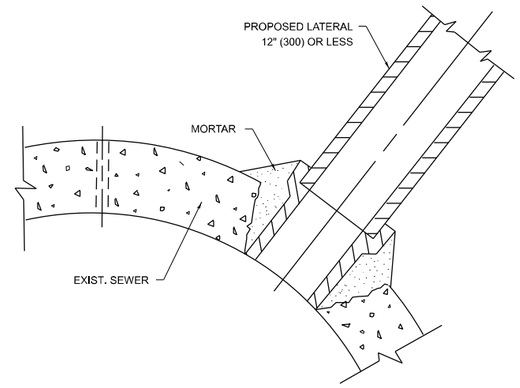


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
2. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

MODEL: BD07 [Sheet]
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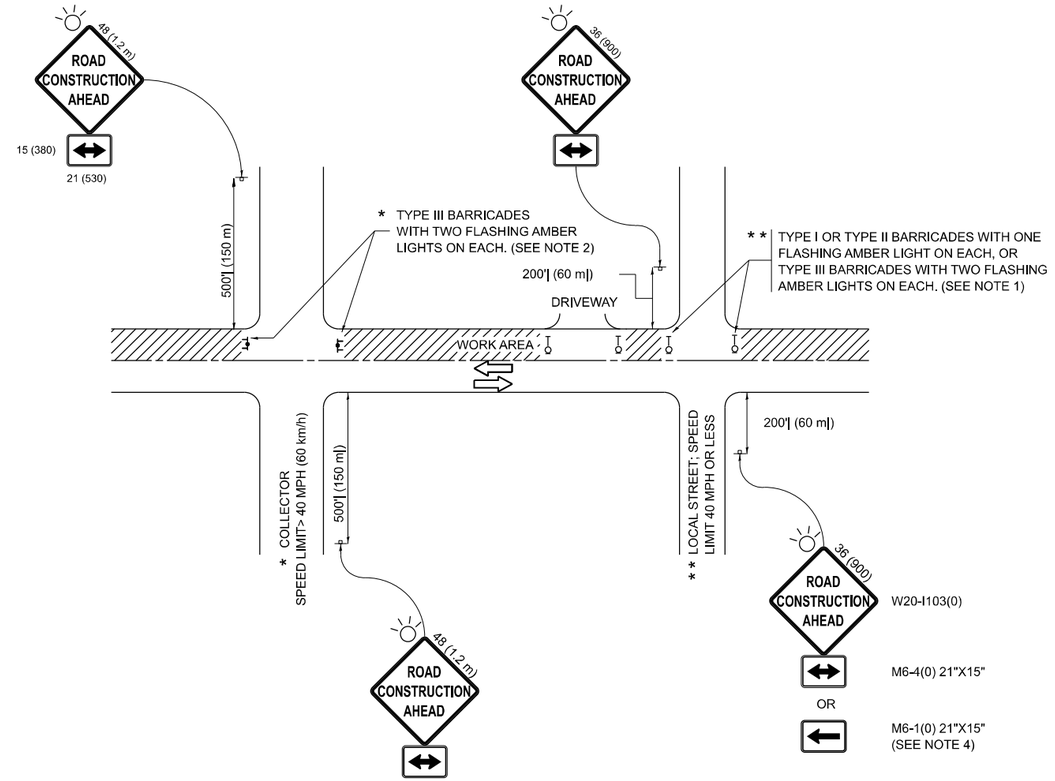
	DRAWN -	REVISED - R. SHAH 10-25-94		
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED - R. SHAH 06-12-96		
PLOT DATE = 12/15/2023	DATE - 07-25-90	REVISED - K. SMITH 11-18-22		SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. ___+__.__ TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	51
BD500-01 (BD-07)		CONTRACT NO. 62T51		
	ILLINOIS | FED. AID PROJECT			



NOTES:

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

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

MODEL: TC10 [Sheet]
FILE NAME: pw://ildot-pw.bentley.com:PWIDOT/Documents/IDOT Offices/District 1/ORD Projects/P100918/CADData/CADsheets/DistStd-TC_TS.dgn

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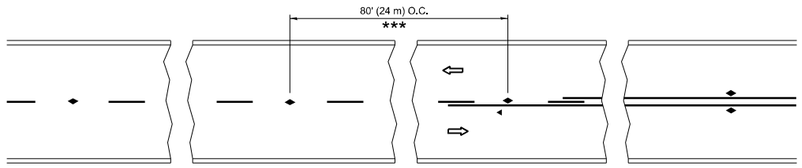
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
PLOT DATE = 12/15/2023	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

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

SCALE: | SHEET OF SHEETS | STA. ___+__.__ TO STA. ___+__.__

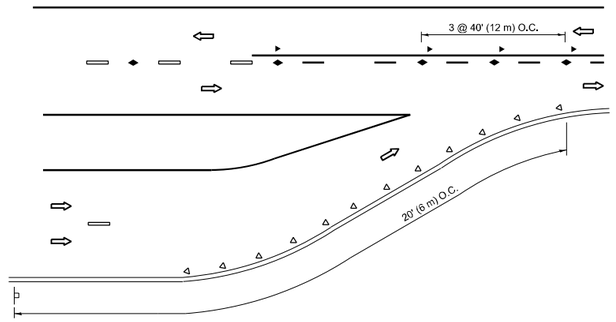
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	52
	TC-10	CONTRACT NO. 62T51		
		ILLINOIS FED. AID PROJECT		



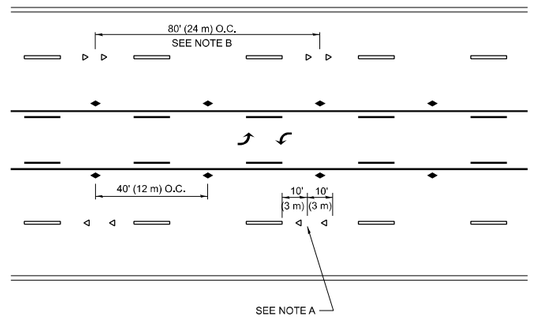
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

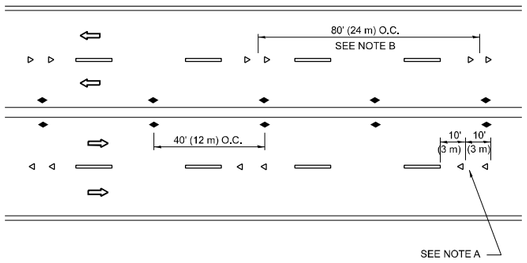
SEE FIGURE 3B-14 MUTCD



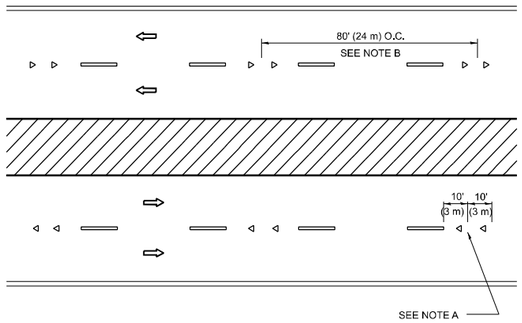
LANE REDUCTION TRANSITION



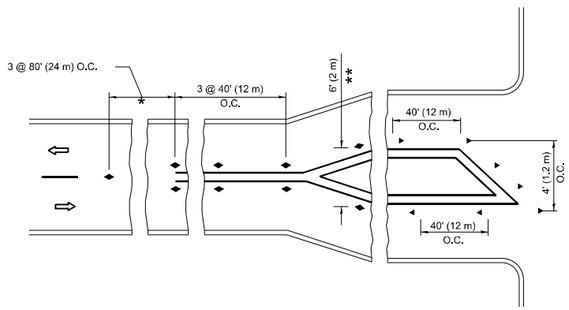
TWO-WAY LEFT TURN

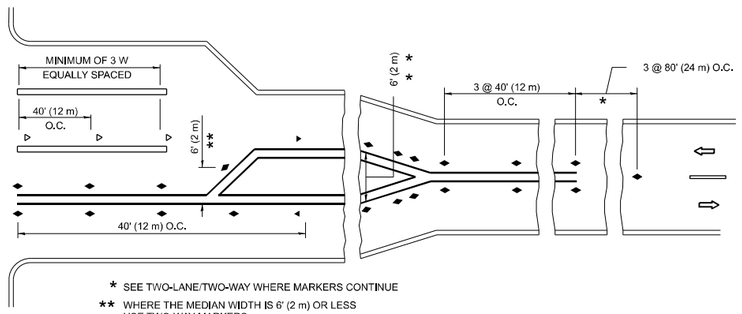


MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED





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

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

TURN LANES

GENERAL NOTES

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

SYMBOLS

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

LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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

DESIGN NOTES

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

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

MODEL: TC11 [Sheet]
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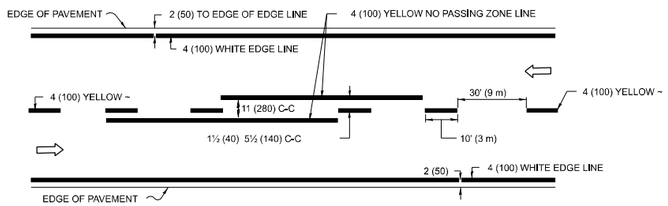
USER NAME = daniel.woods	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED - C. JUCIUS 09-09-09	
PLOT DATE = 12/15/2023	DATE -	REVISED - C. JUCIUS 07-01-13	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

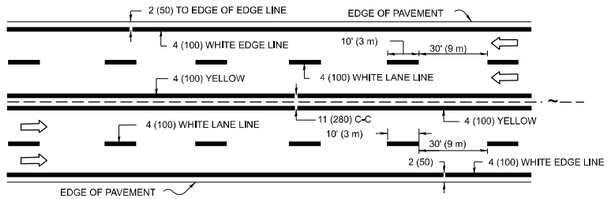
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

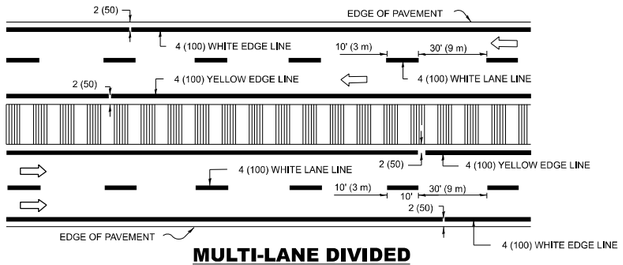
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	53
	TC-11	CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			



2-LANE ROADWAY

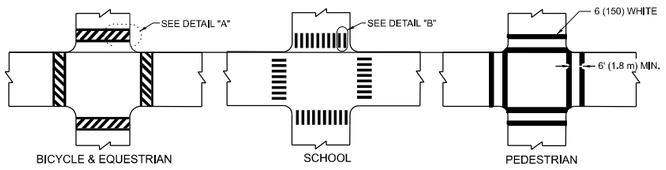


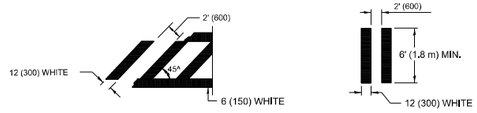
MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

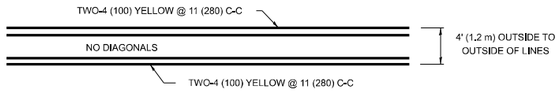




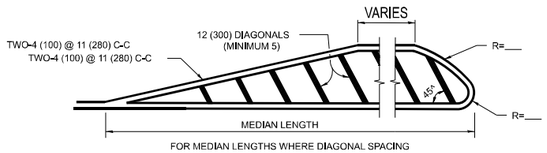
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



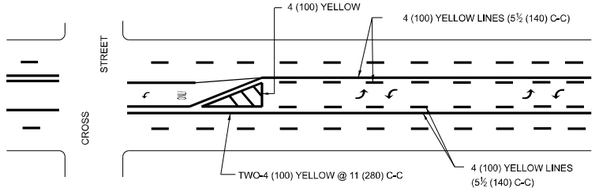
4' (1.2 m) WIDE MEDIANS ONLY



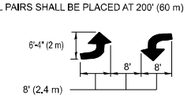
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

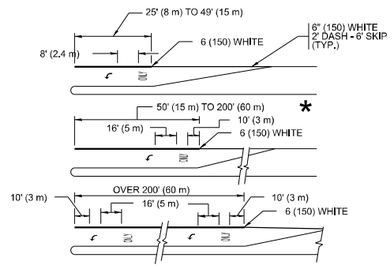


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

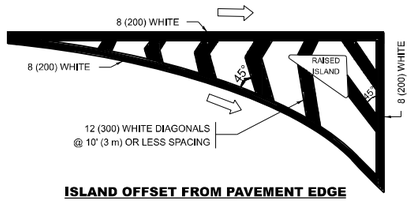


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
AREA = 15,6 SQ. FT. (1,5 m)^2 **ONLY** AREA = 20,8 SQ. FT. (1,9 m)^2

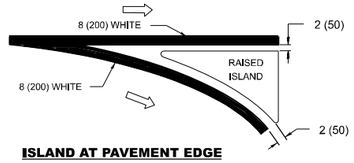
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

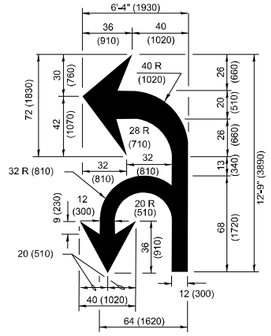


ISLAND OFFSET FROM PAVEMENT EDGE

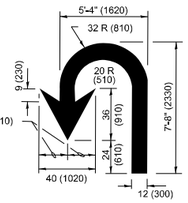


ISLAND AT PAVEMENT EDGE

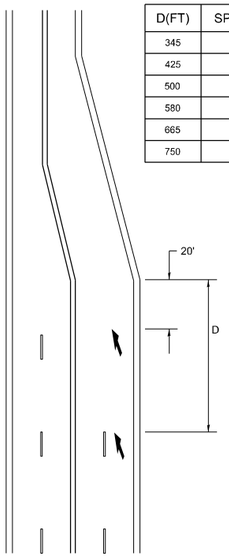
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2,4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2,4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 ½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4,5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3,6 SQ. FT. (0,33 m) EACH^2 "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.

MODEL: TC13 [Sheet]
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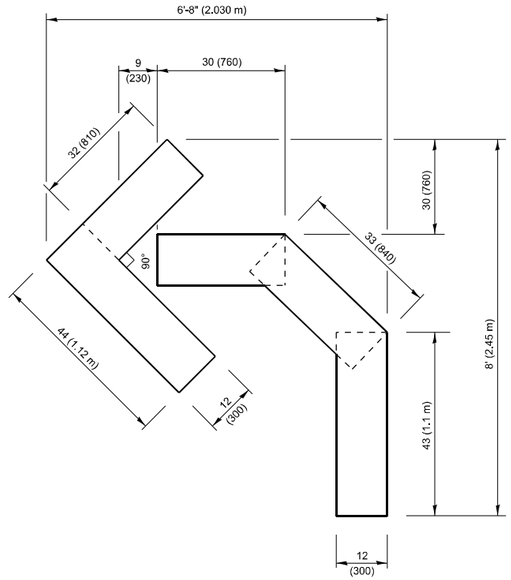
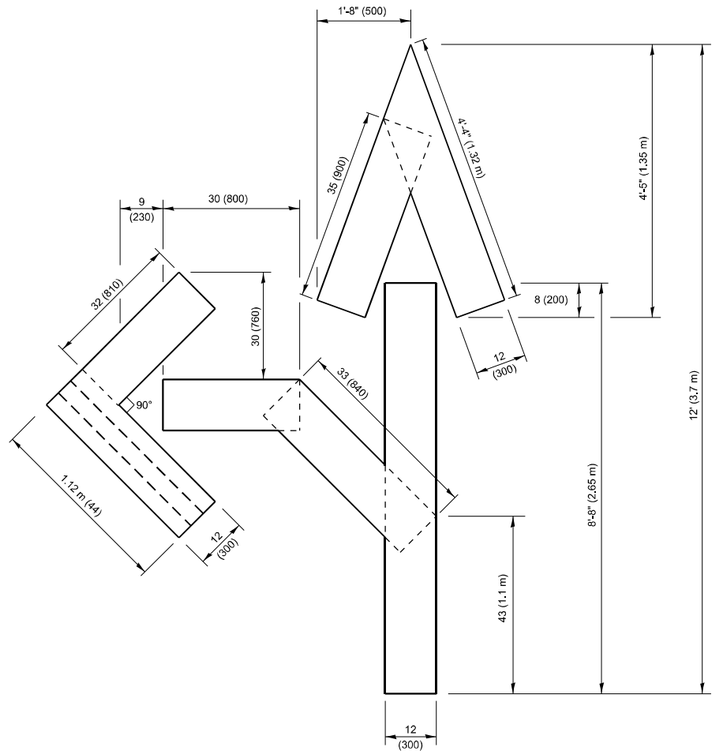
USER NAME = daniel.woods	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**DISTRICT ONE** **TYPICAL PAVEMENT MARKINGS**	
	DRAWN -	REVISED - C. JUCIUS 07-01-13			
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED - C. JUCIUS 12-21-15		SCALE: NONE SHEET 1 OF 1 SHEETS STA. ___+__.__ TO STA. ___+__.__	
PLOT DATE = 12/15/2023	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16			

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	54
	TC-13	CONTRACT NO. 62T51		
		ILLINOIS FED. AID PROJECT		



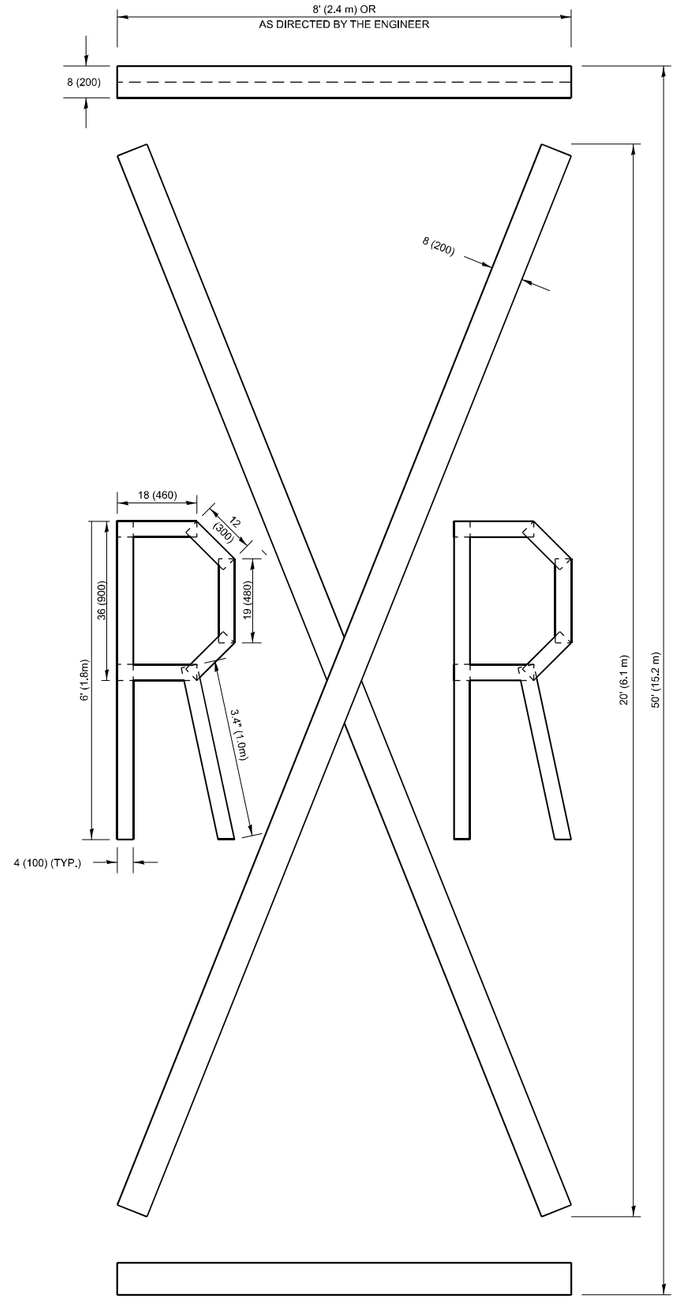
QUANTITY

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



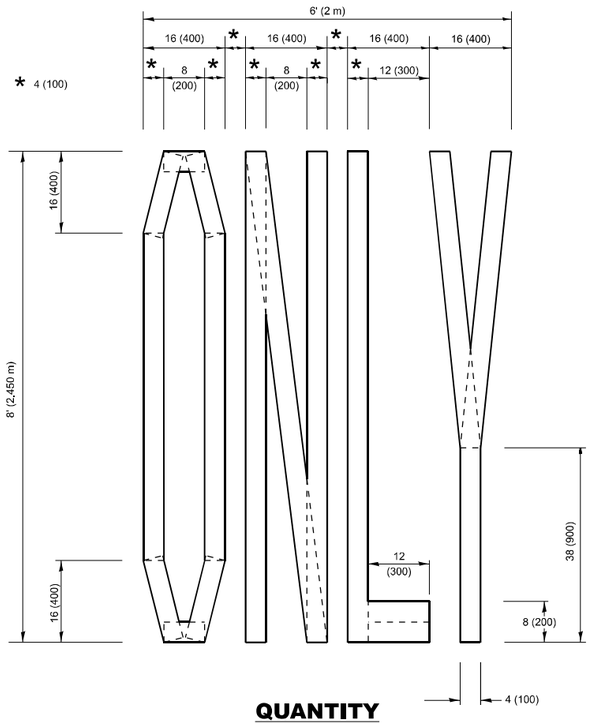
QUANTITY

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



QUANTITY

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



QUANTITY

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

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

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	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 12/15/2023	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.
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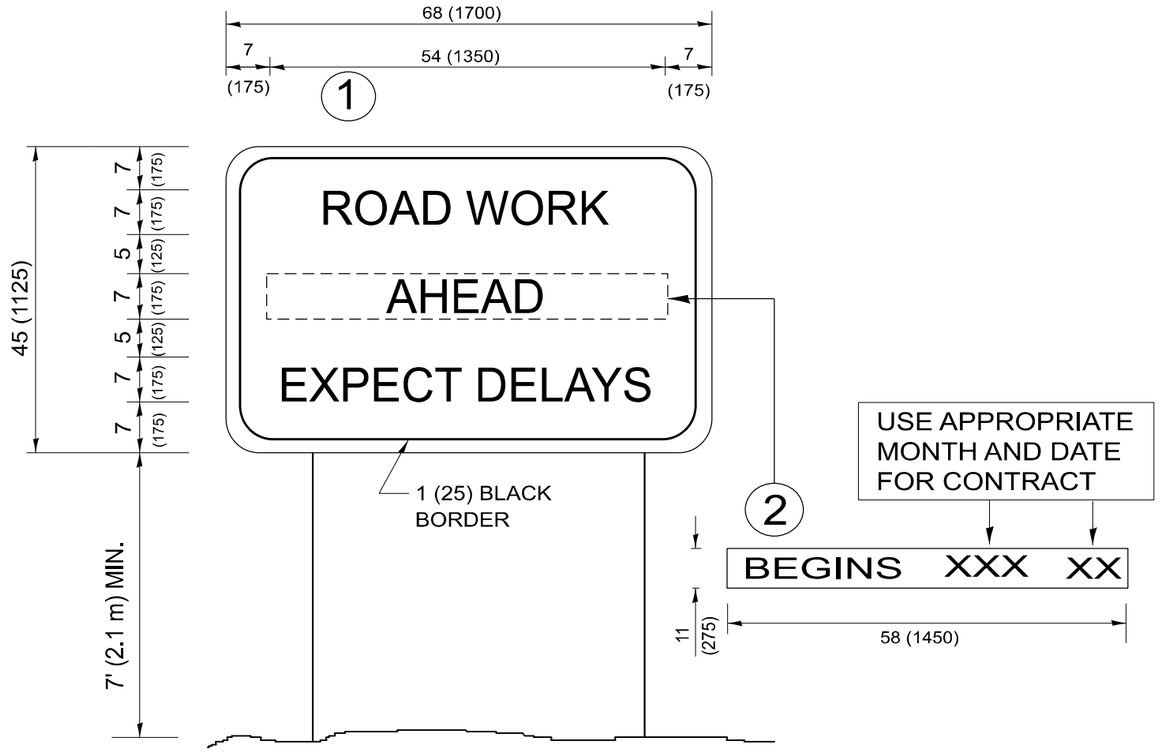
	TC-16	CONTRACT NO. 62T51		
		ILLINOIS FED. AID PROJECT		



NOTES:

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

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

MODEL: TC22 [Sheet]
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	DRAWN -	REVISED -	R. MIRS 12-11-97
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	T. RAMMACHER 02-02-99
PLOT DATE = 12/15/2023	DATE -	REVISED -	C. JUCIUS 01-31-07

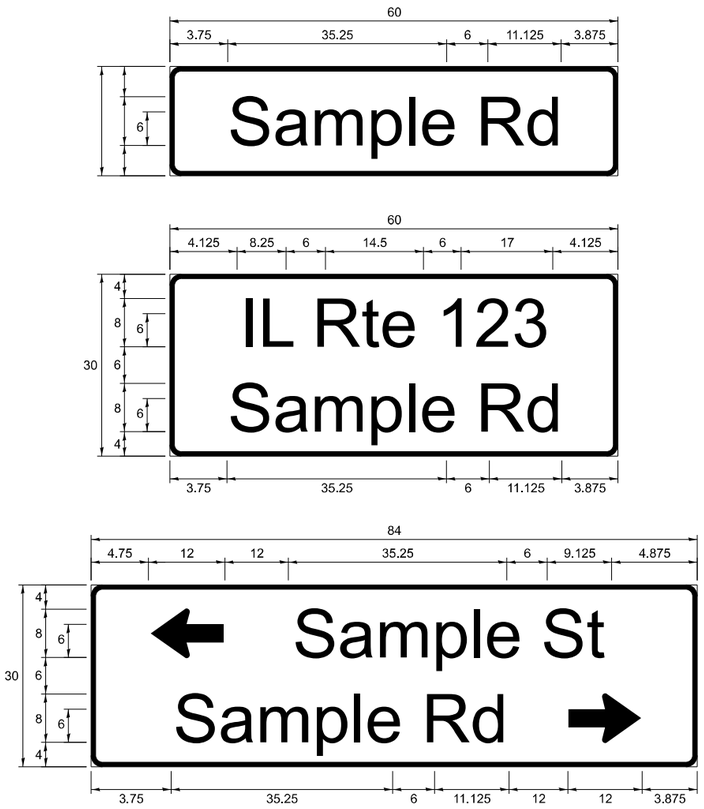
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	56
	TC-22	CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

SIGN PANEL - TYPE 1 OR TYPE 2



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

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

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

GENERAL NOTES

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

LOCAL SUPPLIERS:

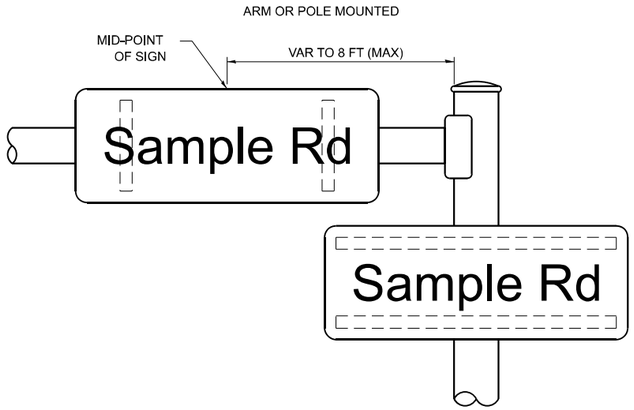
- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

PARTS LISTING:

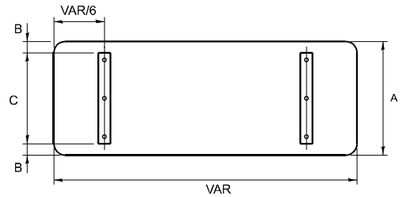
SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

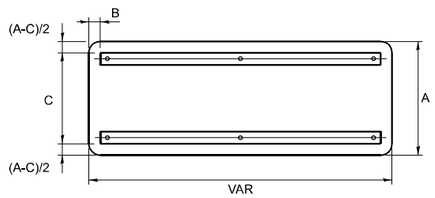
MOUNTING LOCATION



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

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

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

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	DRAWN - LP	REVISED -			
PLOT SCALE = 0.16666633 ' / in.	CHECKED - IP	REVISED -		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. ___+__.__ / TO STA. ___+__.__	
PLOT DATE = 12/15/2023	DATE - 10/01/2014	REVISED -			

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	57
	TS-02	CONTRACT NO. 62T51		
	ILLINOIS / FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

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

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

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PLOT DATE = 12/15/2023	DATE - 9/29/2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	58
	TS-05	CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

LOOP DETECTOR NOTES

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

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

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

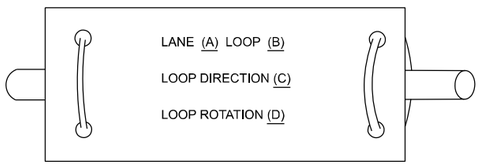
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

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

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

LOOP LEAD-IN CABLE TAG

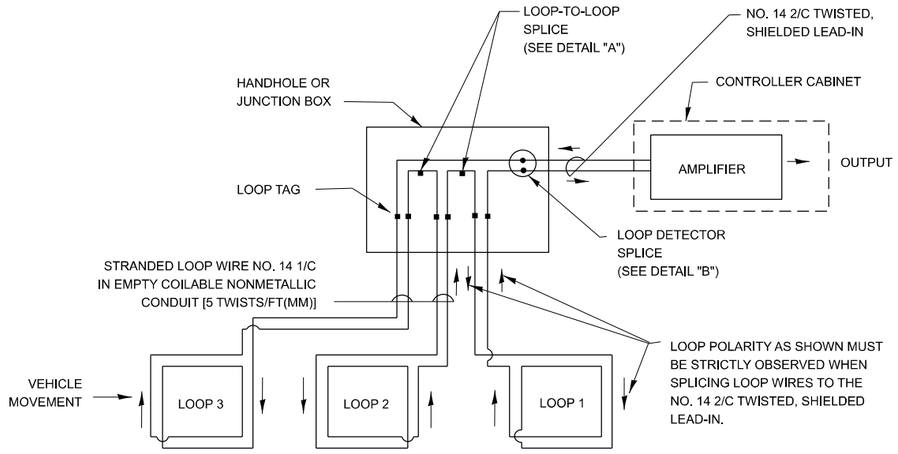


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

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

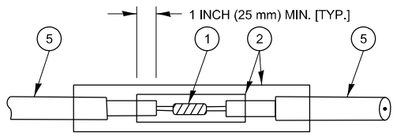
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

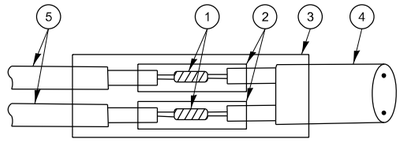


DETECTOR LOOP WIRING SCHEMATIC

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

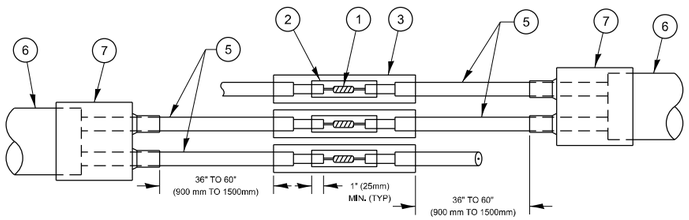


DETAIL "A"
LOOP-TO-LOOP SPLICE



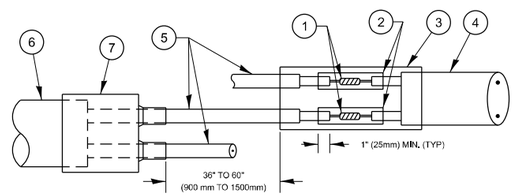
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

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

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

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

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

(6) XL POLYOLEFIN 2 CONDUCTOR

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

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	DRAWN -	REVISED -
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PLOT DATE = 12/15/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

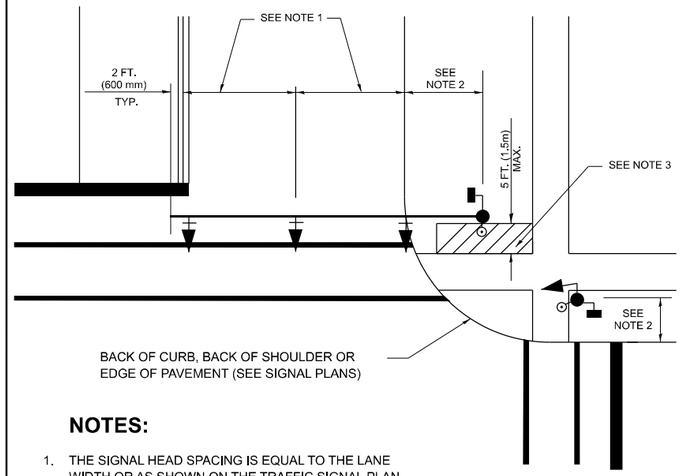
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	59
	TS-05	CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

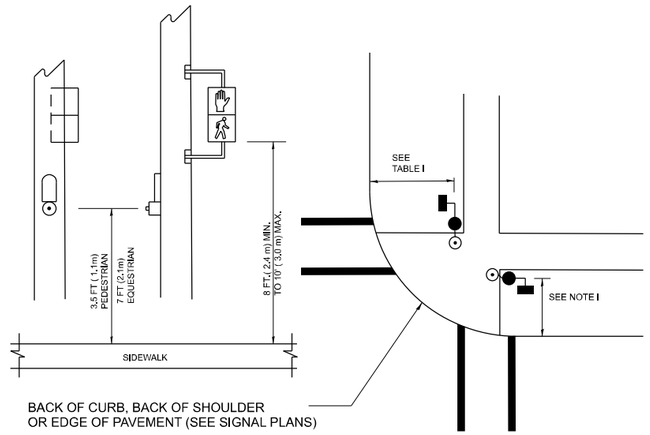
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

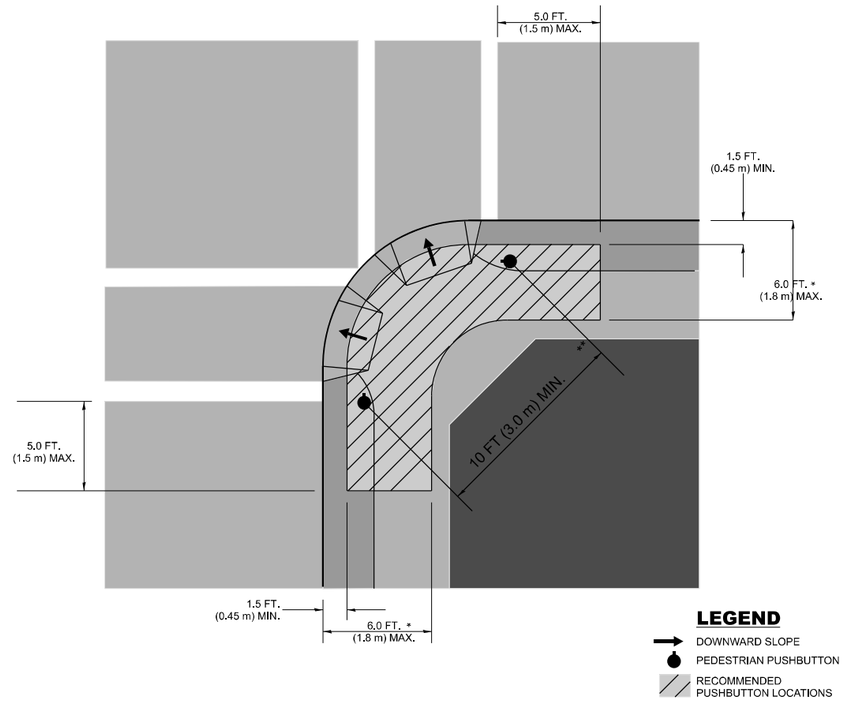
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



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

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

MODEL: TS05C [Sheet]
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	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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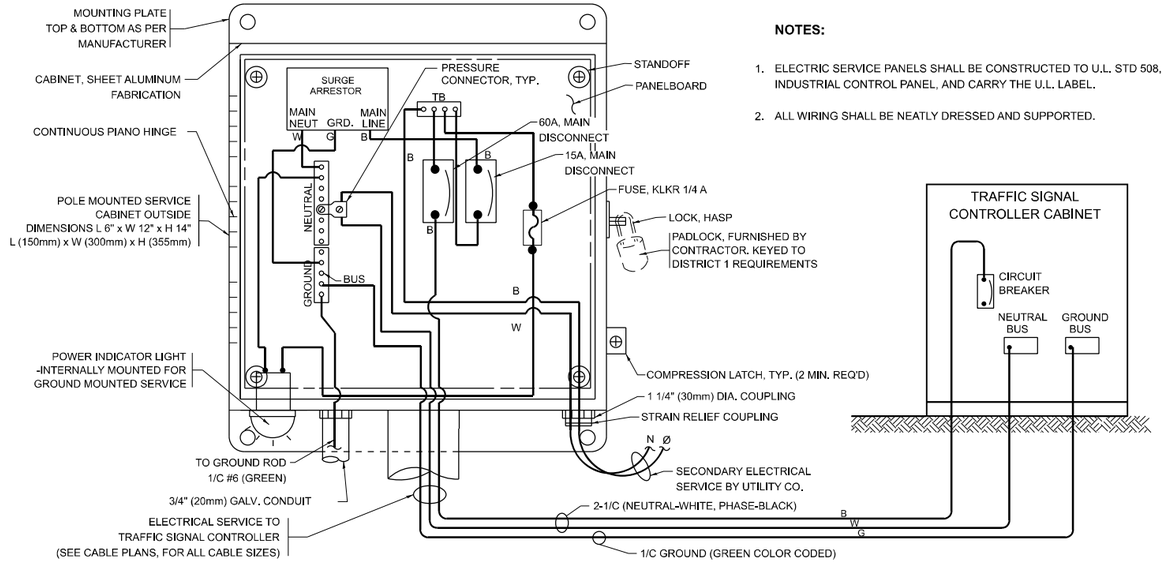
	TS-05	CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

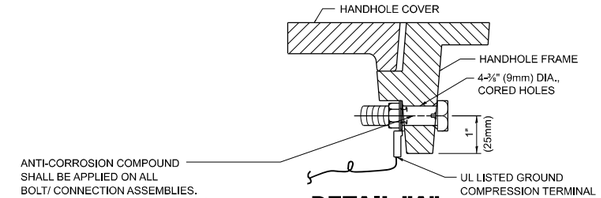


NOTES:

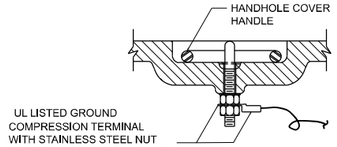
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

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

SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)



DETAIL "A"

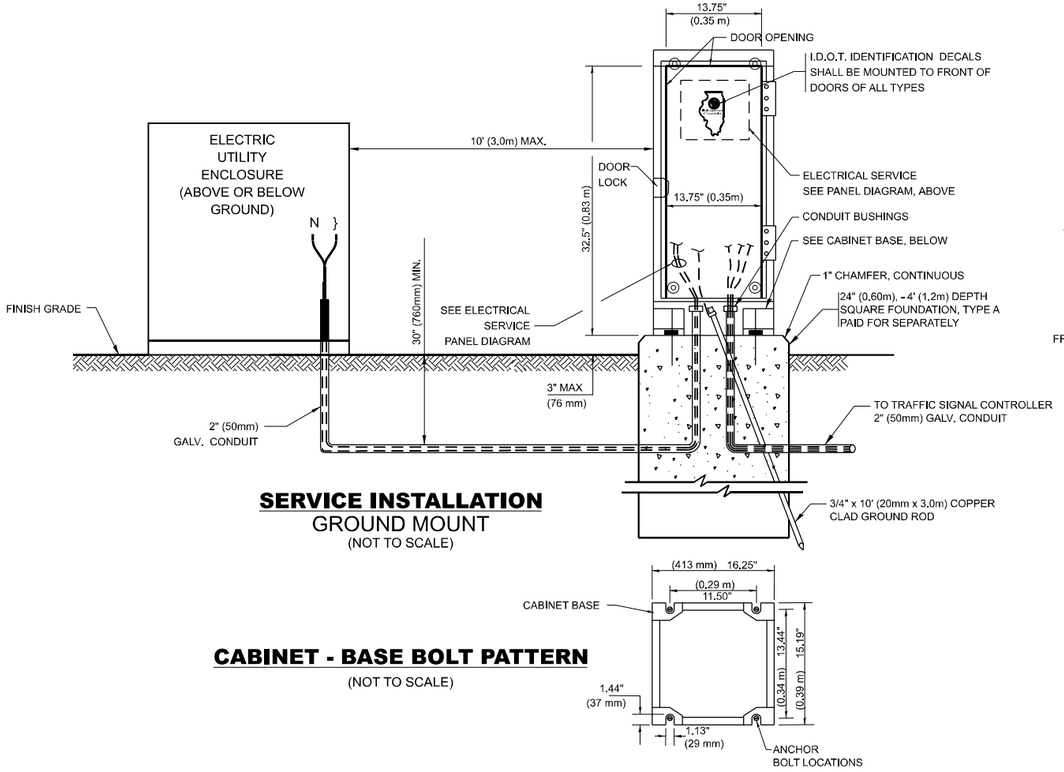


DETAIL "B"

NOTES:

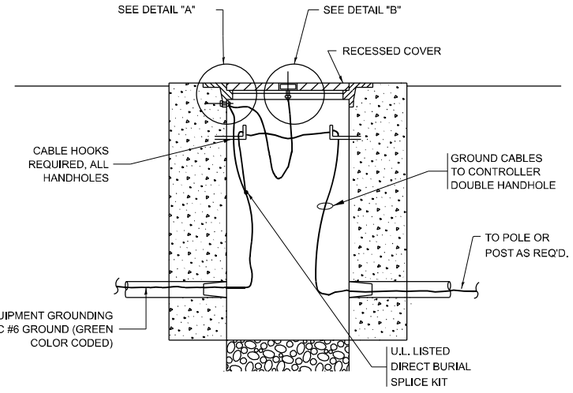
GROUNDING SYSTEM

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

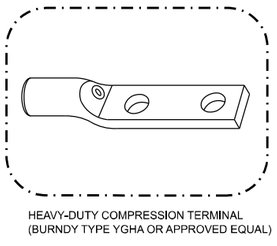


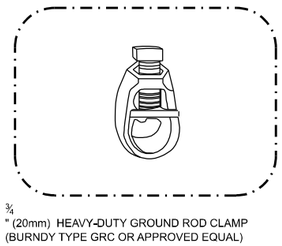
SERVICE INSTALLATION
GROUND MOUNT
(NOT TO SCALE)

CABINET - BASE BOLT PATTERN
(NOT TO SCALE)



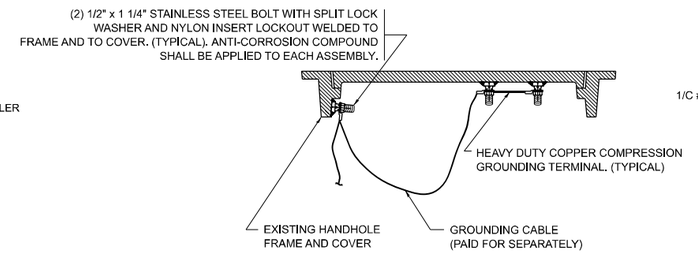
HANDHOLE COVER & FRAME - GROUNDING DETAIL
(NOT TO SCALE)



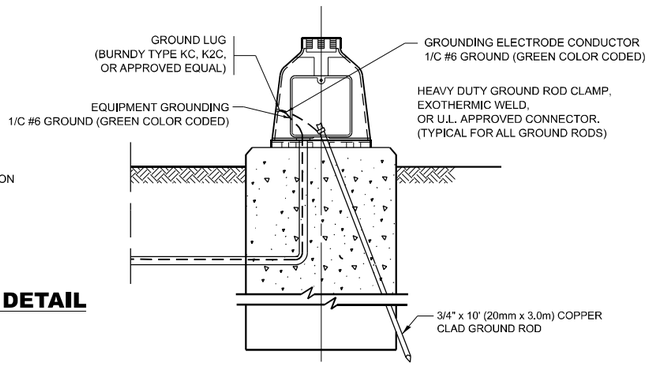


NOTES:

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



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



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

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USER NAME = daniel.woods	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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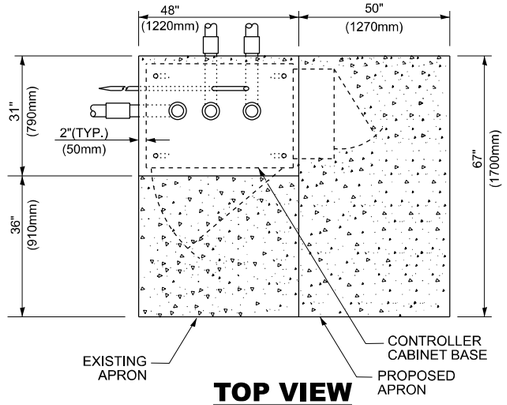
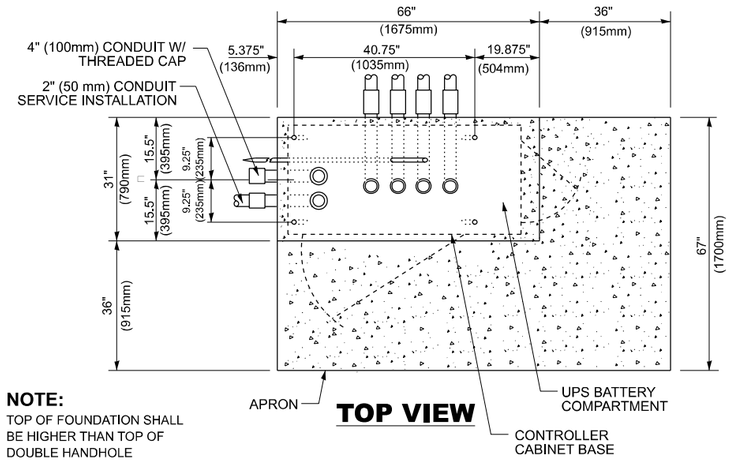
	TS-05	CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

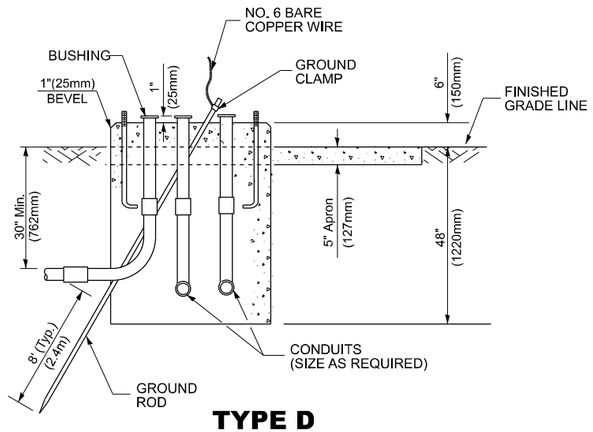


TOP VIEW

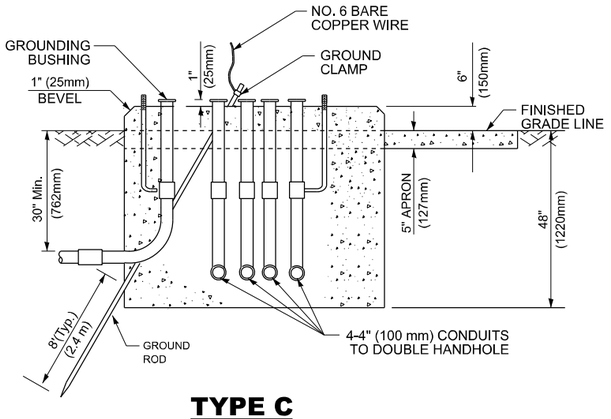


NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

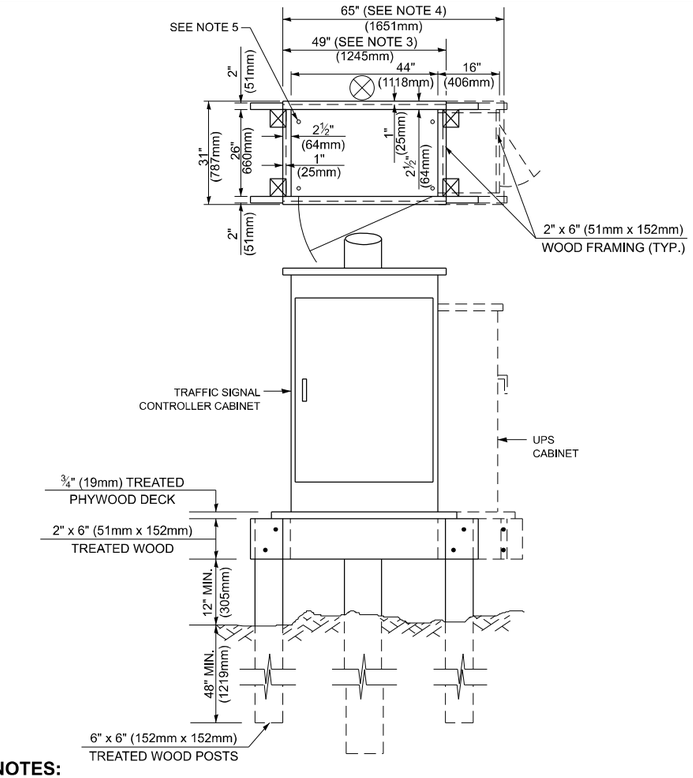
TOP VIEW



TYPE D
FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



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



NOTES:

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

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9,1 m)	10'-0" (3,0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19,8 m) and up to 75' (22,9 m)	25'-0" (7,6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16,8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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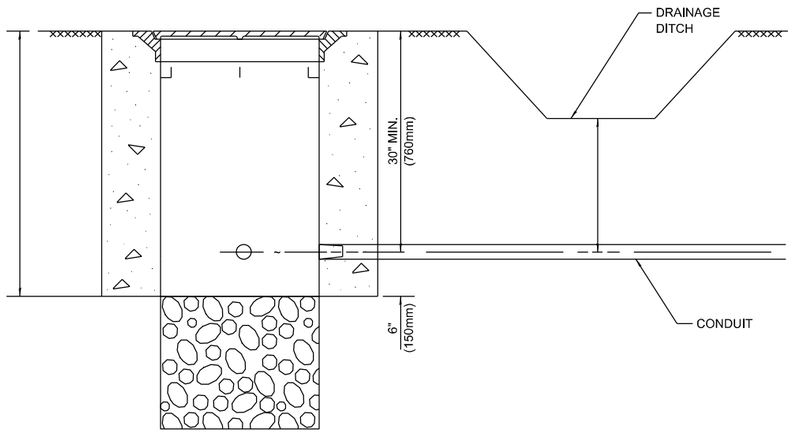
	TS-05	CONTRACT NO. 62T51		
	ILLINOIS | FED. AID PROJECT			

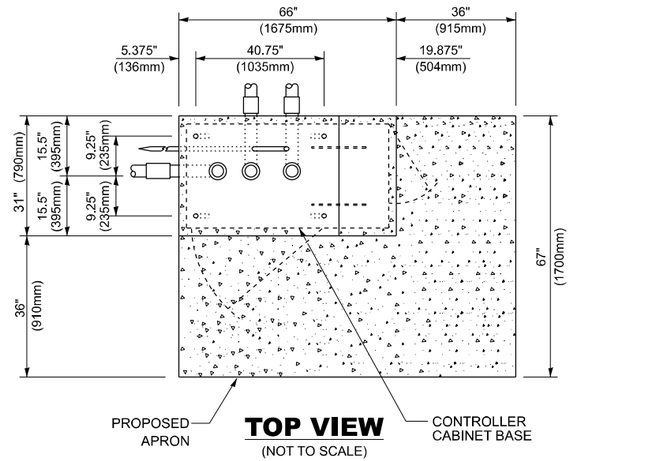


NOTES:

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

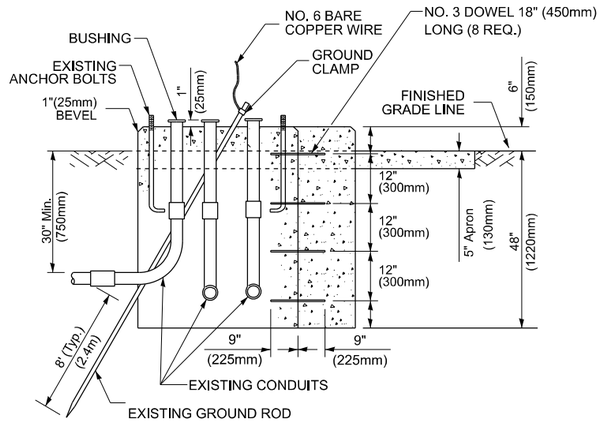
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



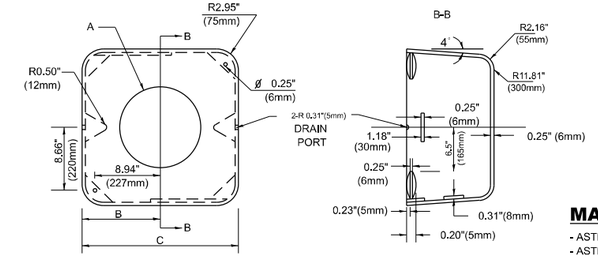
TOP VIEW

(NOT TO SCALE)



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

(NOT TO SCALE)



MATERIAL

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

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

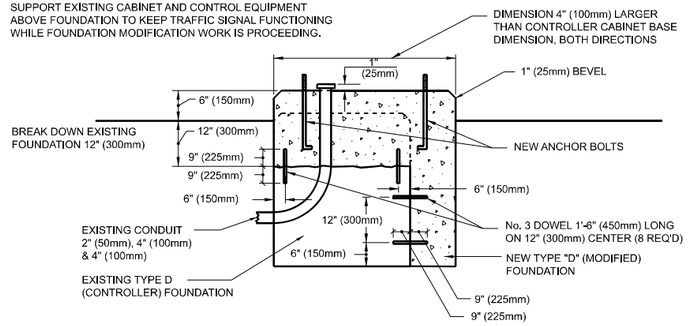
SHROUD

NOTES:

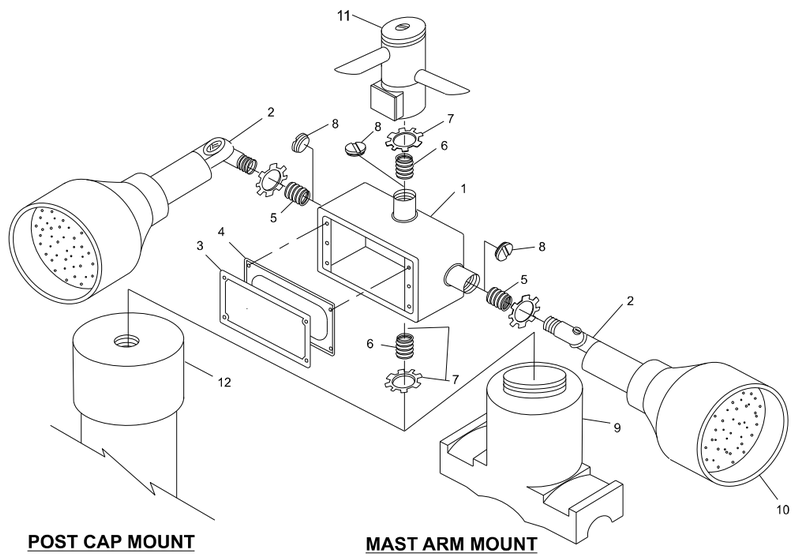
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



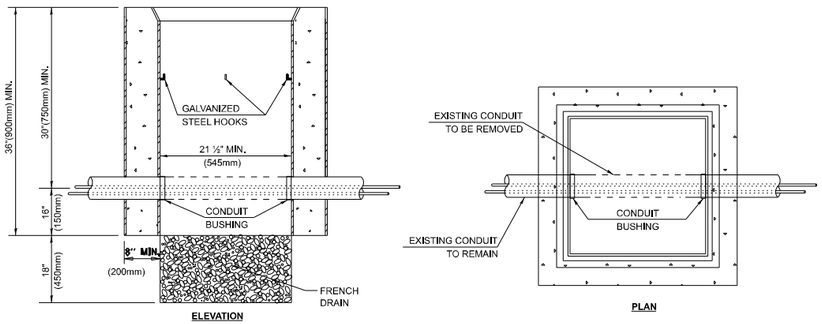
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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

NOTES:

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



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

MODEL: TS05F [Sheet]
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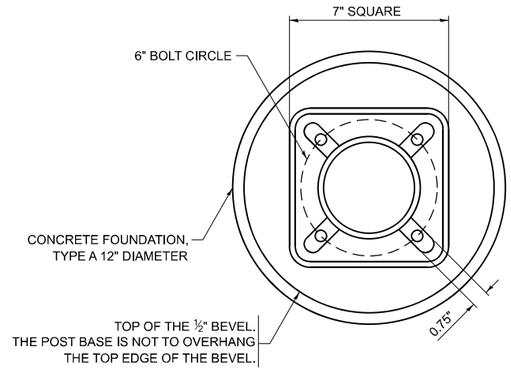
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 12/15/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

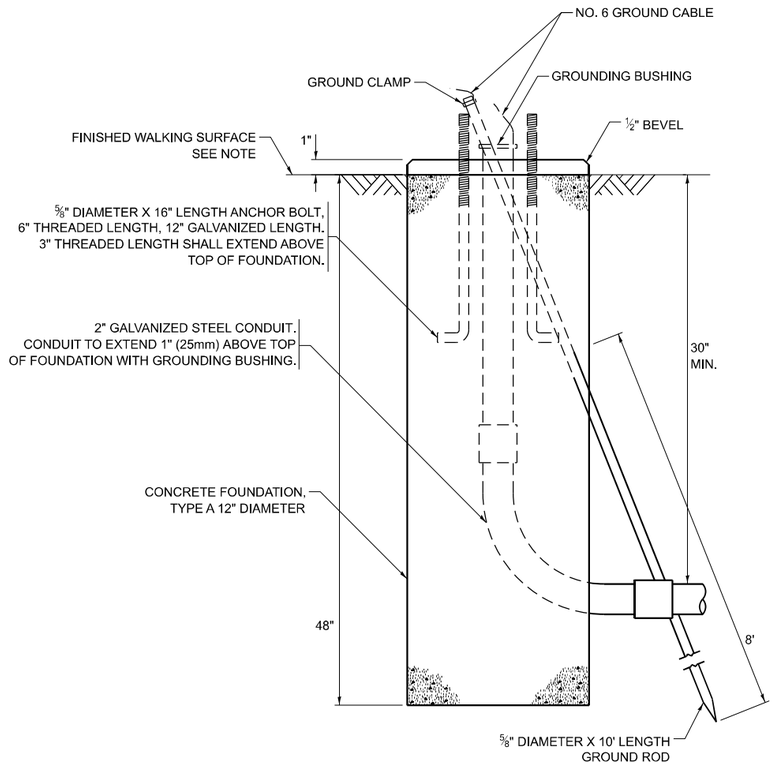
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	63
	TS-05	CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			



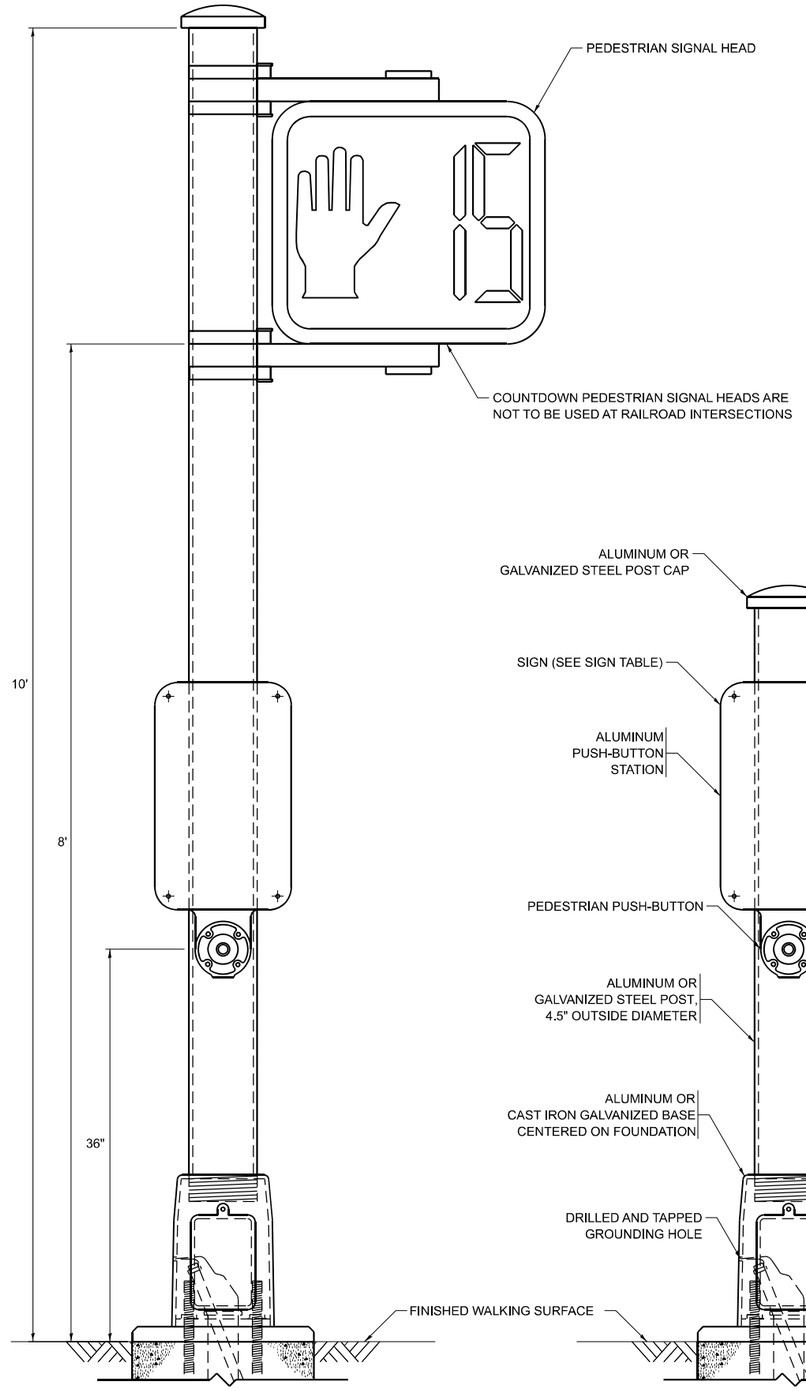
BOLT PATTERN

NOTE:

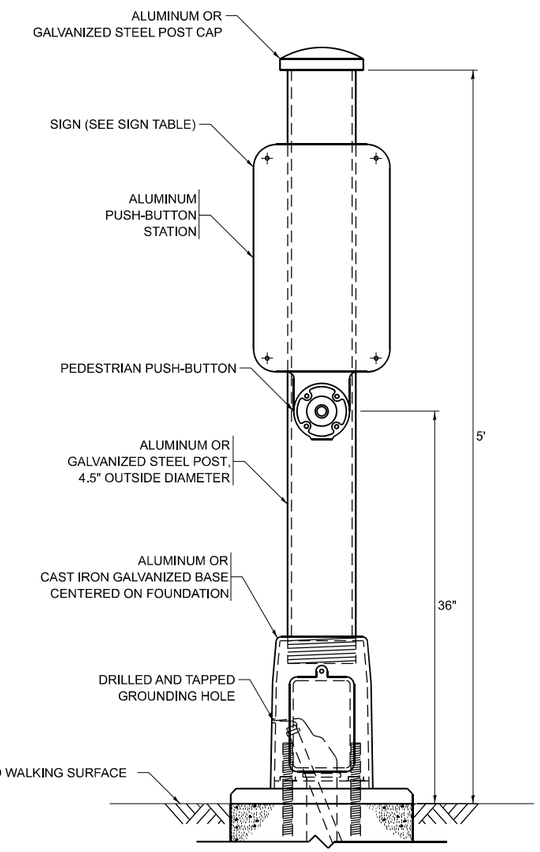
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



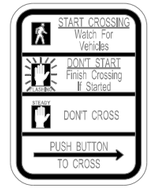
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



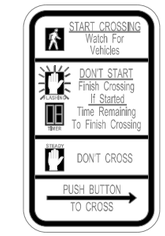
PEDESTRIAN SIGNAL POST, 5 FT.



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 12"

NOTES:

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

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	DRAWN - IP	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED - LP	REVISED -	
PLOT DATE = 12/15/2023	DATE - 10-15-2018	REVISED -	

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. __+__.__ TO STA. __+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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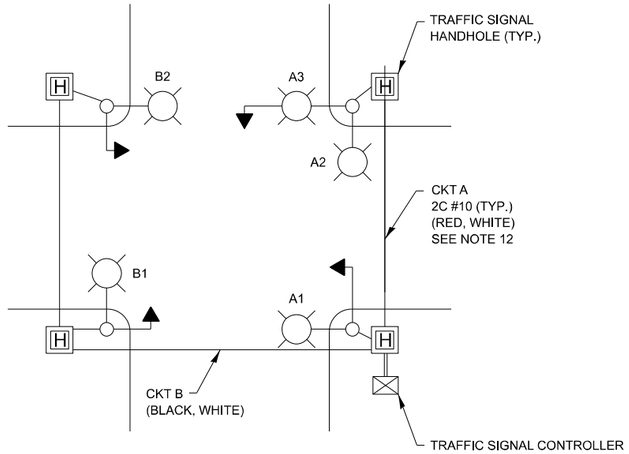
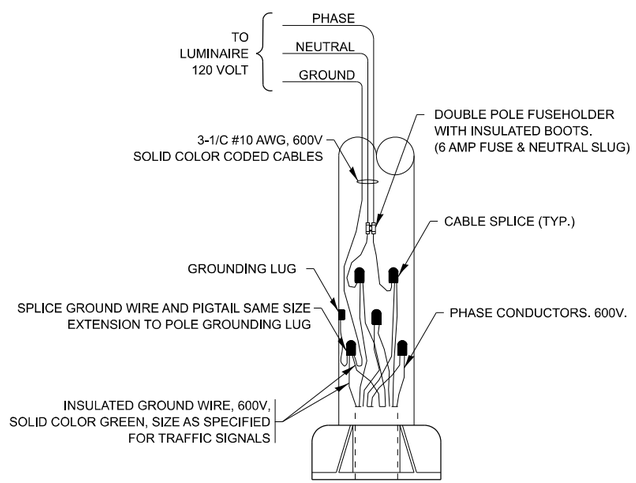
	TS-05	CONTRACT NO. 62T51		
		ILLINOIS FED. AID PROJECT		



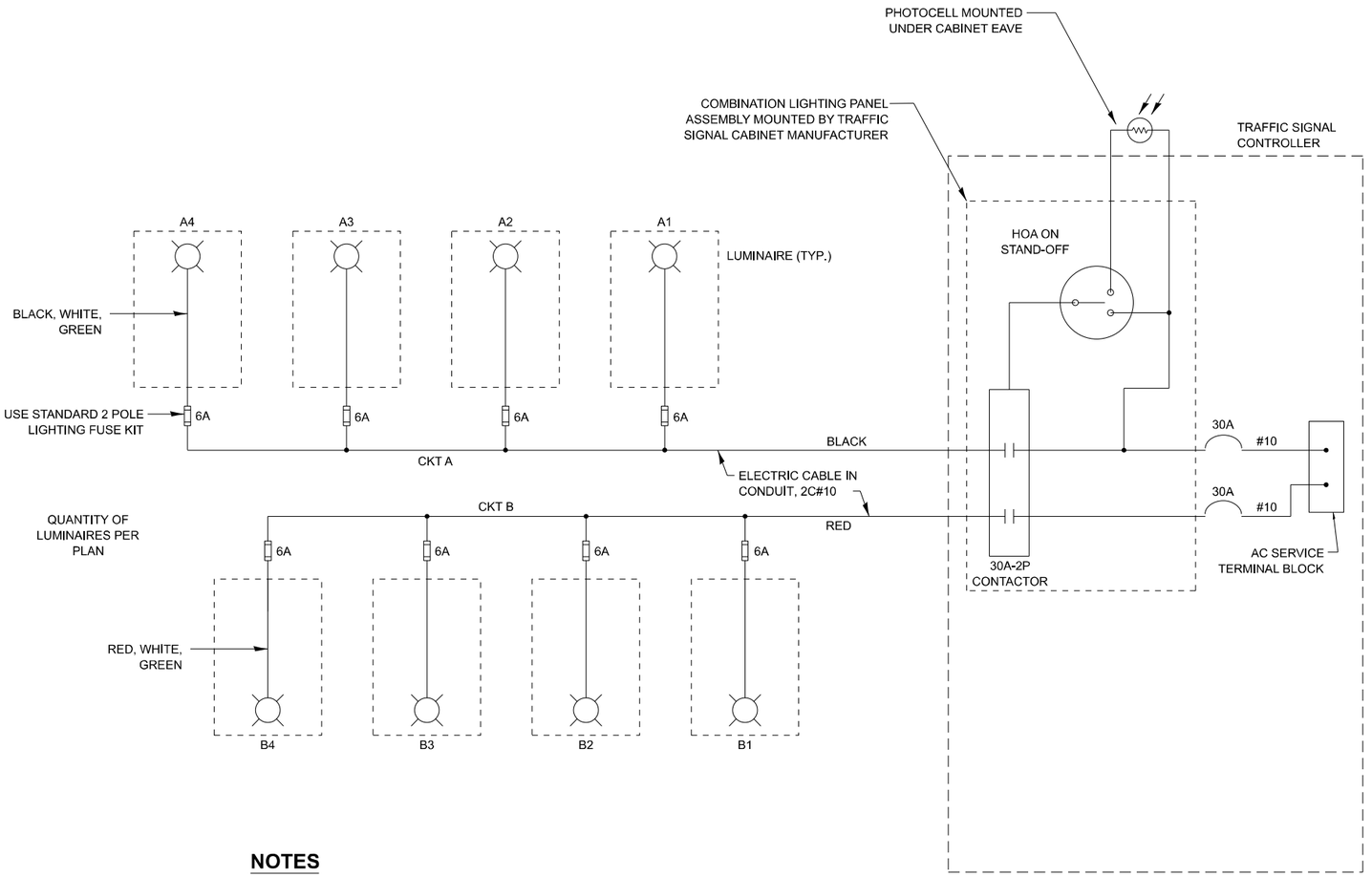
TYPICAL LIGHTING CIRCUIT

(NOT TO SCALE)



COMBINATION POLE WIRING DETAIL

(NOT TO SCALE)



NOTES

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC SERVICE TERMINAL BLOCK.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
8. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
10. LUMINAIRE VOLTAGE SHALL BE 120V
11. POLE WIRING & FUSE KITS ARE INCLUDED IN THE LUMINAIRE PAY ITEM.
12. THE UNDERGROUND EQUIPMENT GROUND WIRE IS SHOWN IN THE TRAFFIC SIGNAL PLANS AND IS INCLUDED IN THE SIGNAL PLANS. IT IS SHARED GROUND BETWEEN SIGNALS AND LIGHTING.

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PLOT DATE = 12/15/2023	DATE - 08/18/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

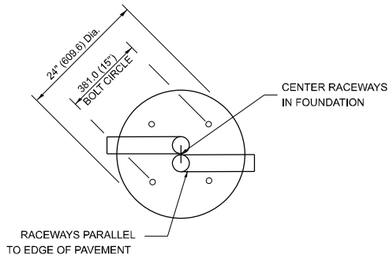
COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

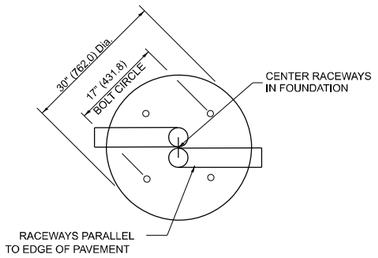
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	65
	BE-240	CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		

LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0,375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0,75 TON/SQ.FT	9'-6" (2.09 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1,50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND Ø = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND Ø = 37,5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND Ø = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)

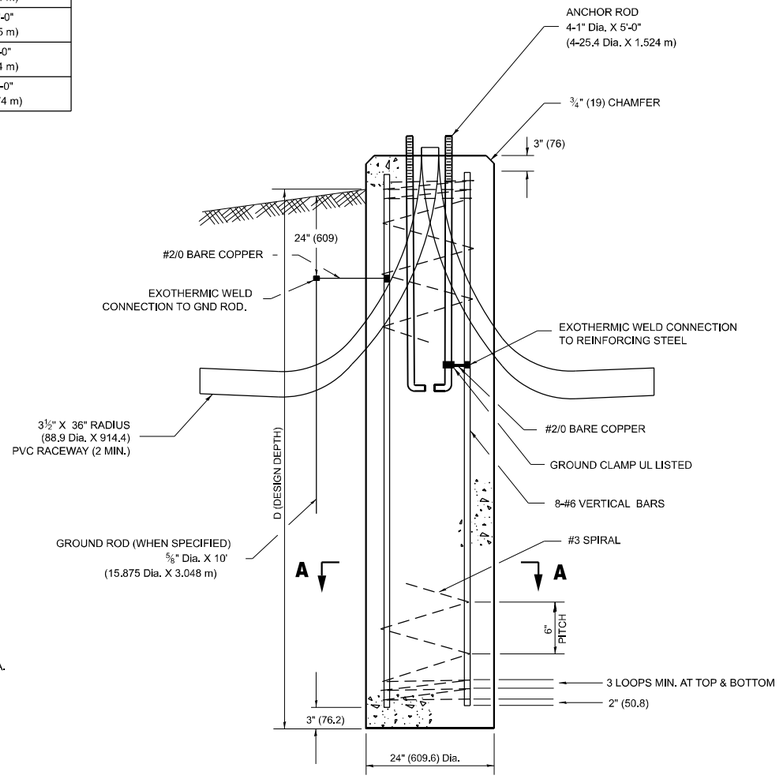


TOP VIEW

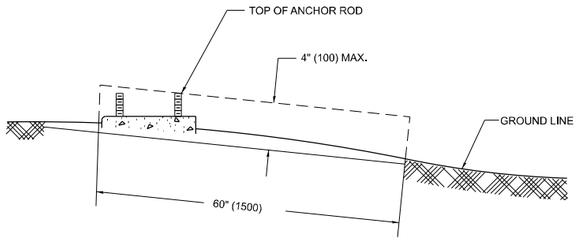


TOP VIEW

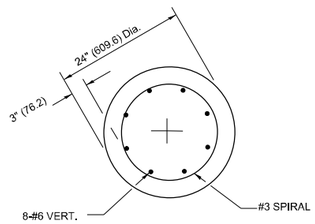
ANCHOR ROD DETAIL



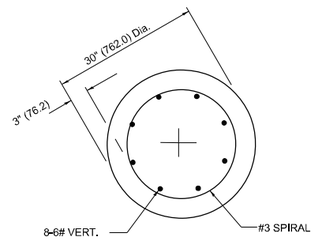
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152,4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14 THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

MODEL: BE301 [Sheet]
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	DRAWN -	REVISED -	
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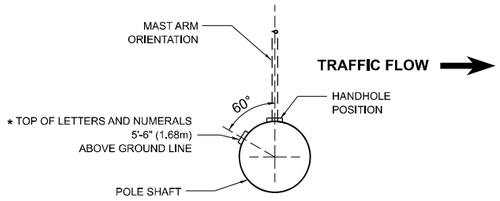
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

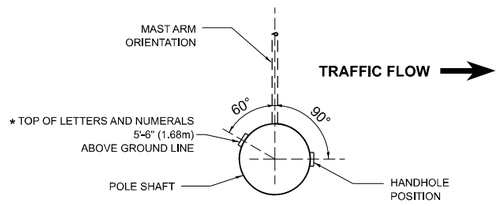
LIGHT POLE FOUNDATION
40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

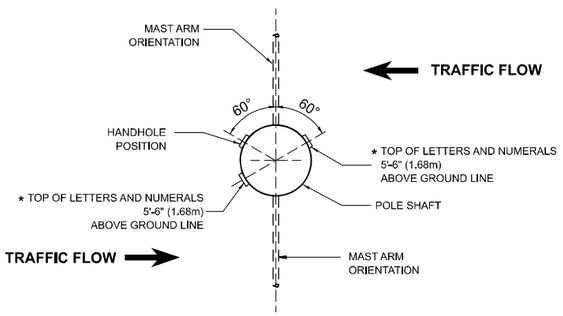
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	66
	BE-301	CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			



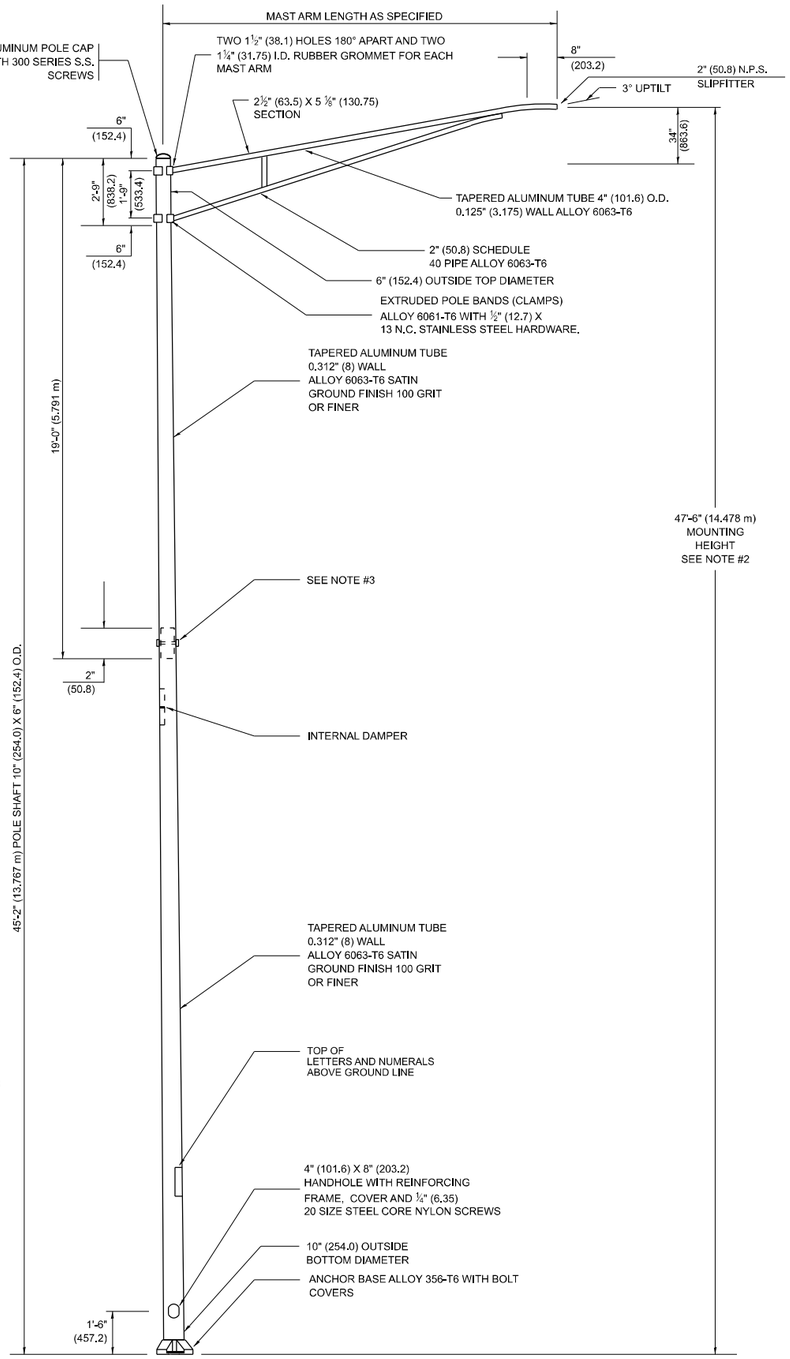
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES

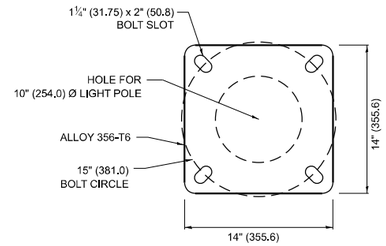


POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



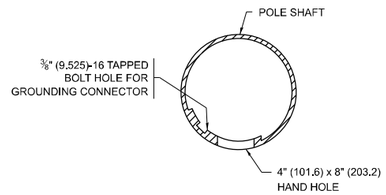
NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



LIGHT POLE BASE PLATE DETAIL

15 INCH (381.0) BOLT CIRCLE



HANDHOLE DETAIL

(N.T.S.)

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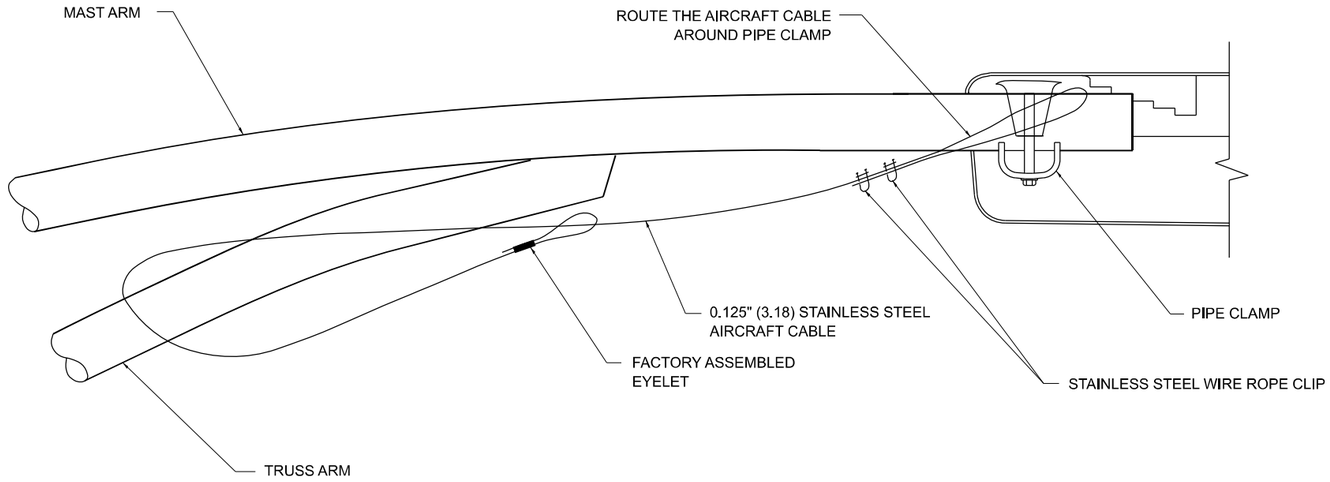
PLOT DATE = 12/15/2023	DATE -	REVISED -	06/13/2022 TG

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

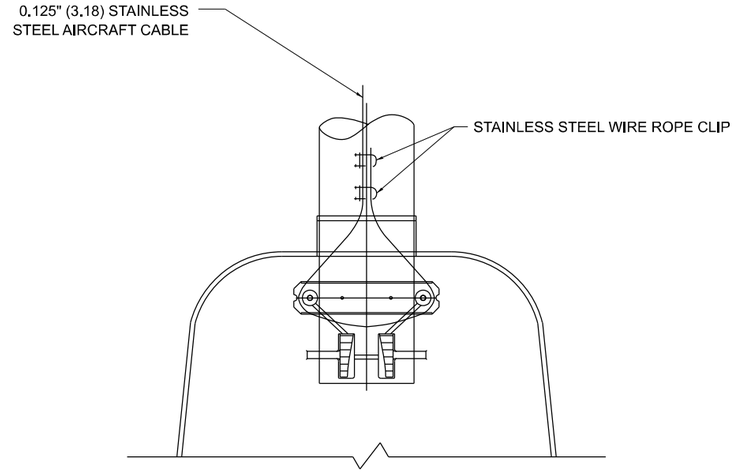
ALUMINUM LIGHT POLE
47'-6" (14.478 m) MOUNTING HEIGHT

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	67
	BE-400	CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			



SIDE VIEW (TRUSS ARM)
N.T.S.



BOTTOM VIEW
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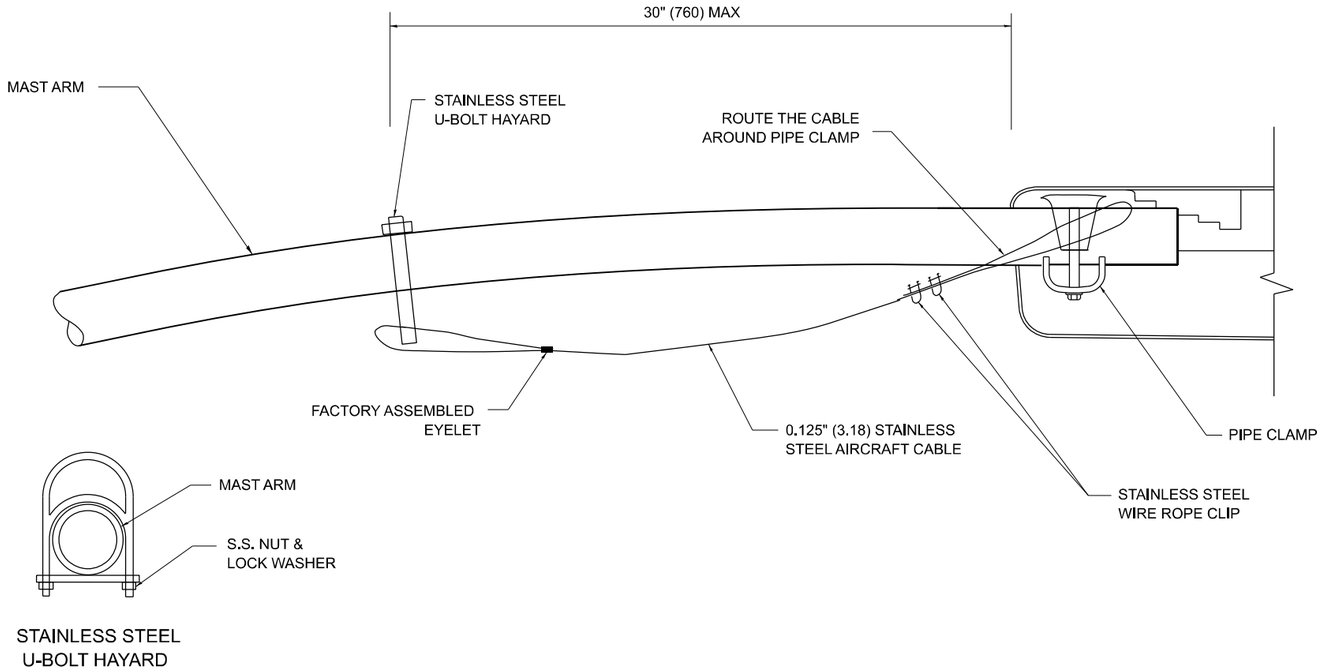

SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

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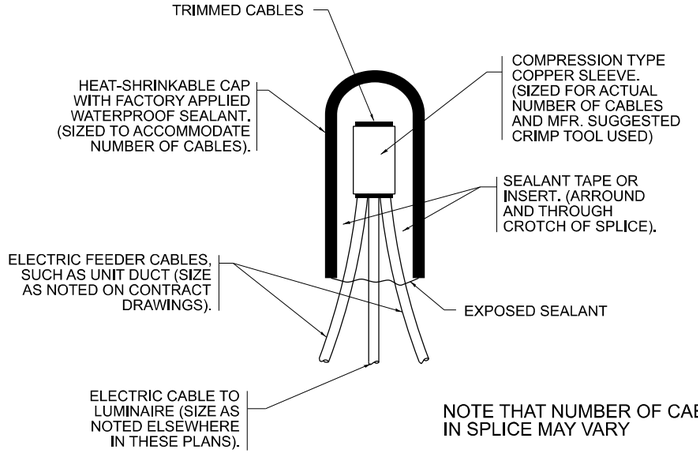
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE SAFETY CABLE ASSEMBLY

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	68
	BE-701	CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			



TYPICAL SPLICE DETAIL
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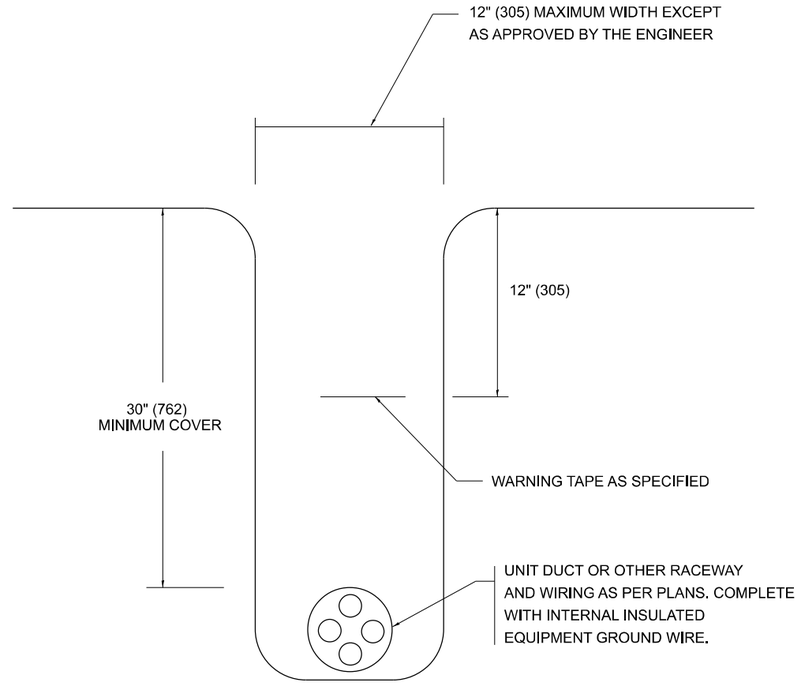

TYPICAL WIRING IN TRENCH DETAIL
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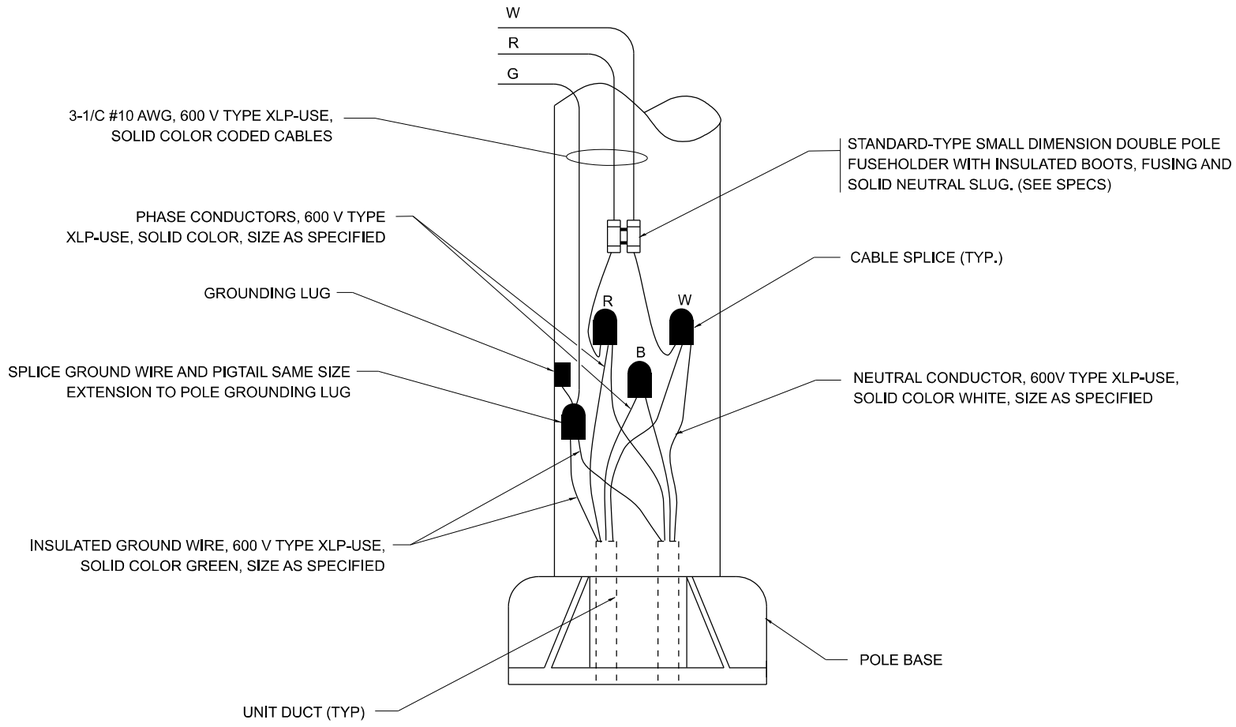

POLE WIRING DETAIL
N.T.S.

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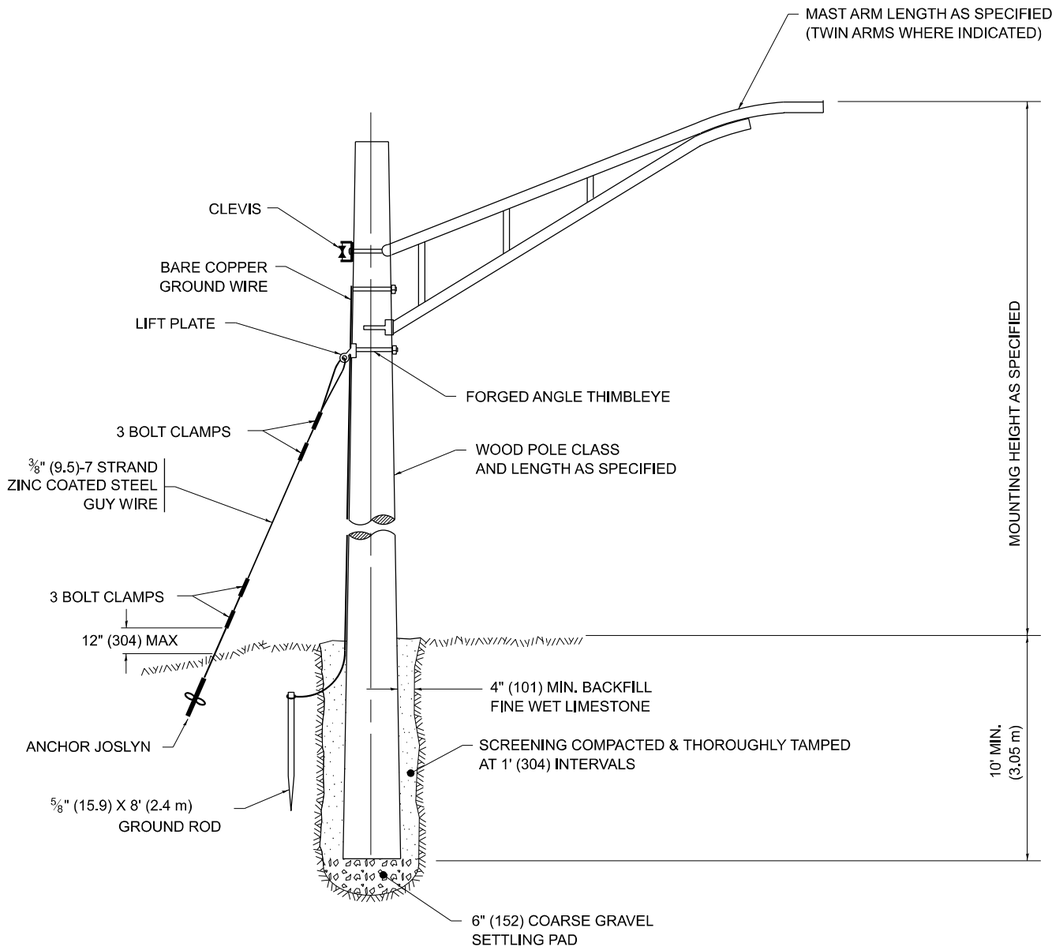
PLOT DATE = 12/15/2023	DATE - 08/08/2003	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

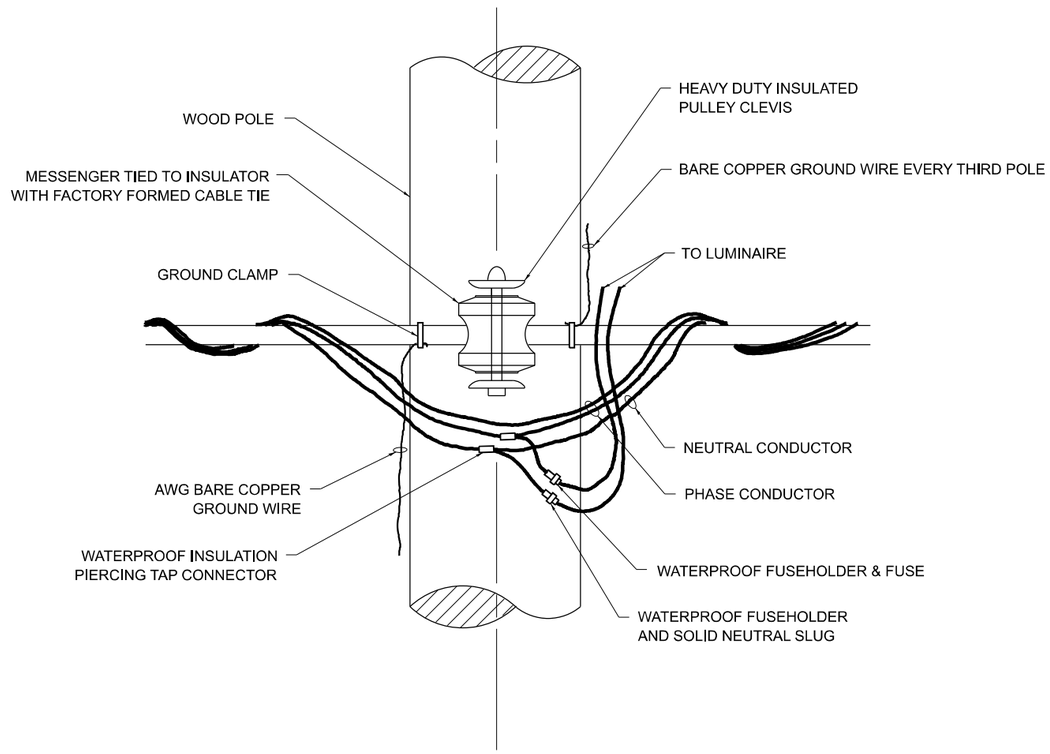
MISC. ELECTRICAL DETAILS
SHEET A

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	69
	BE-702	CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			



TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

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PLOT DATE = 12/15/2023	DATE -	REVISED -	

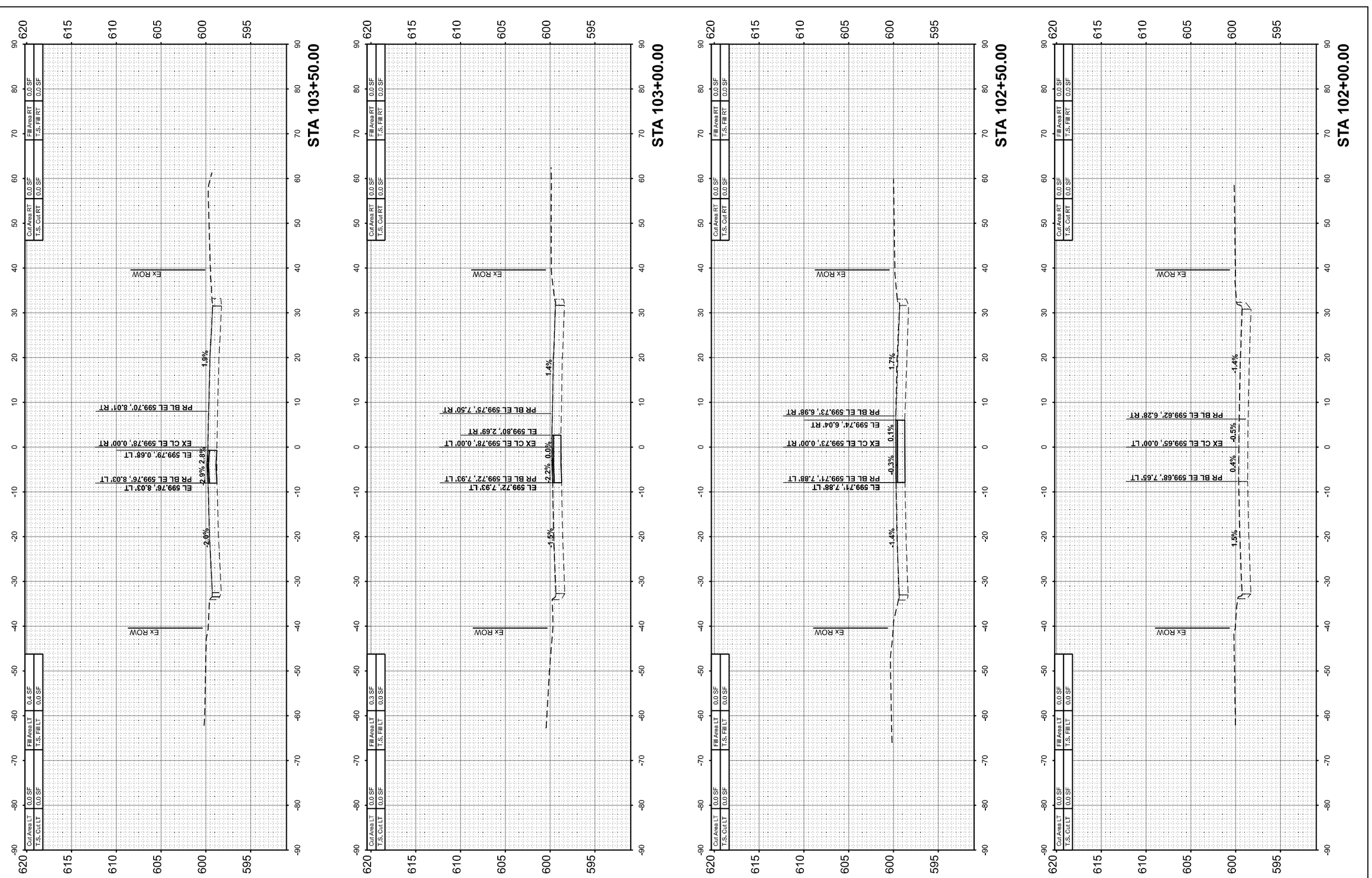
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHT POLE DETAILS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. ___+__.__ | TO STA. ___+__.__

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	70
	BE-800	CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
NOTE BOOK		
NO.	AREAS CHECKED	



ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
NOTE BOOK		
NO.	AREAS CHECKED	

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PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-1 CROSS SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: 1"=10' | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	71
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY		BY	DATE
ORIGINAL SURVEY	SURVEYED		
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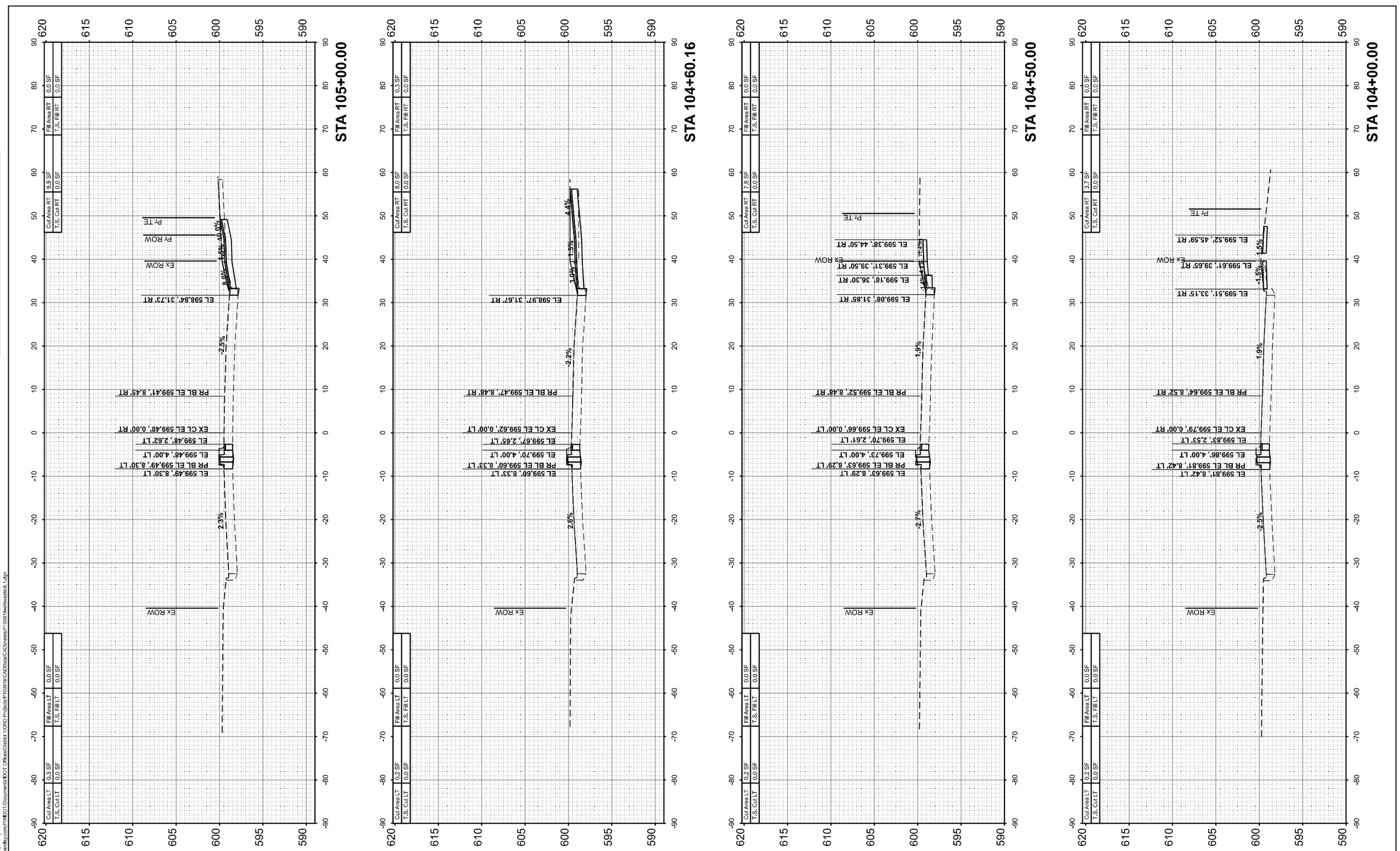
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



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PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-1 CROSS SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: 1"=10' | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	72
		CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

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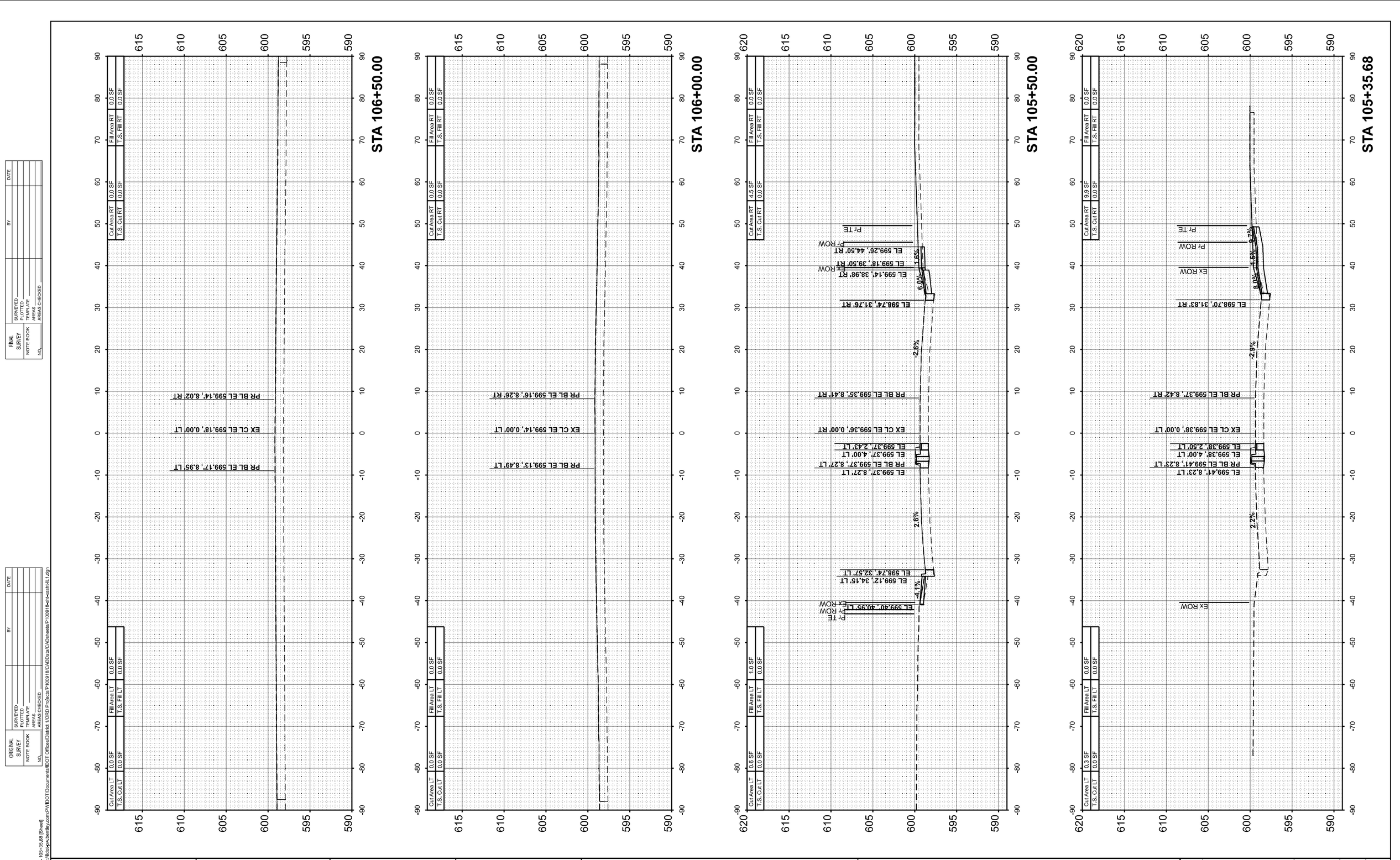

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

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PLOT DATE = 12/15/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-1 CROSS SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: 1"=10' | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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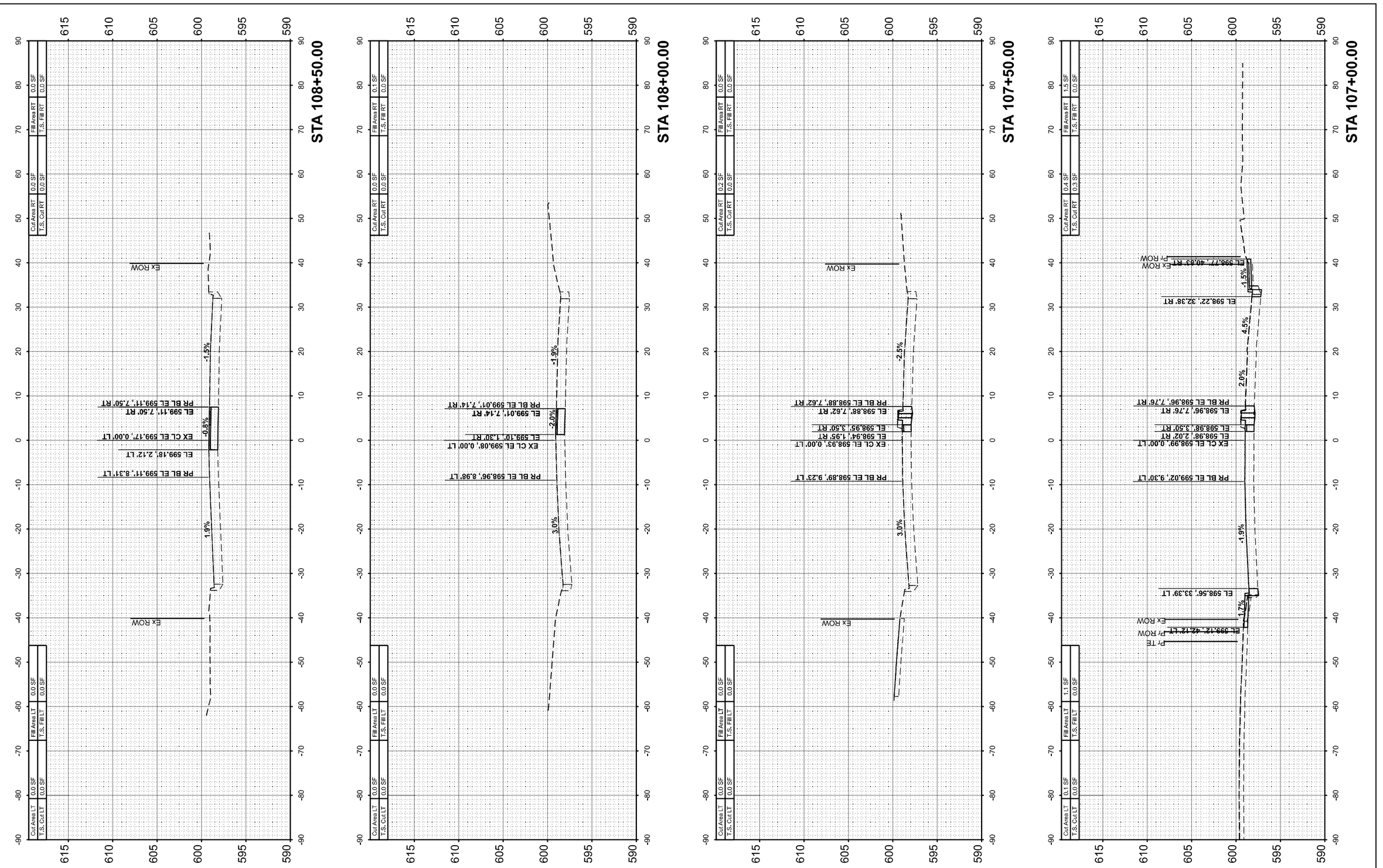
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		



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PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-1 CROSS SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: 1"=10' | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	74
		CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

ORIGINAL SURVEY / FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

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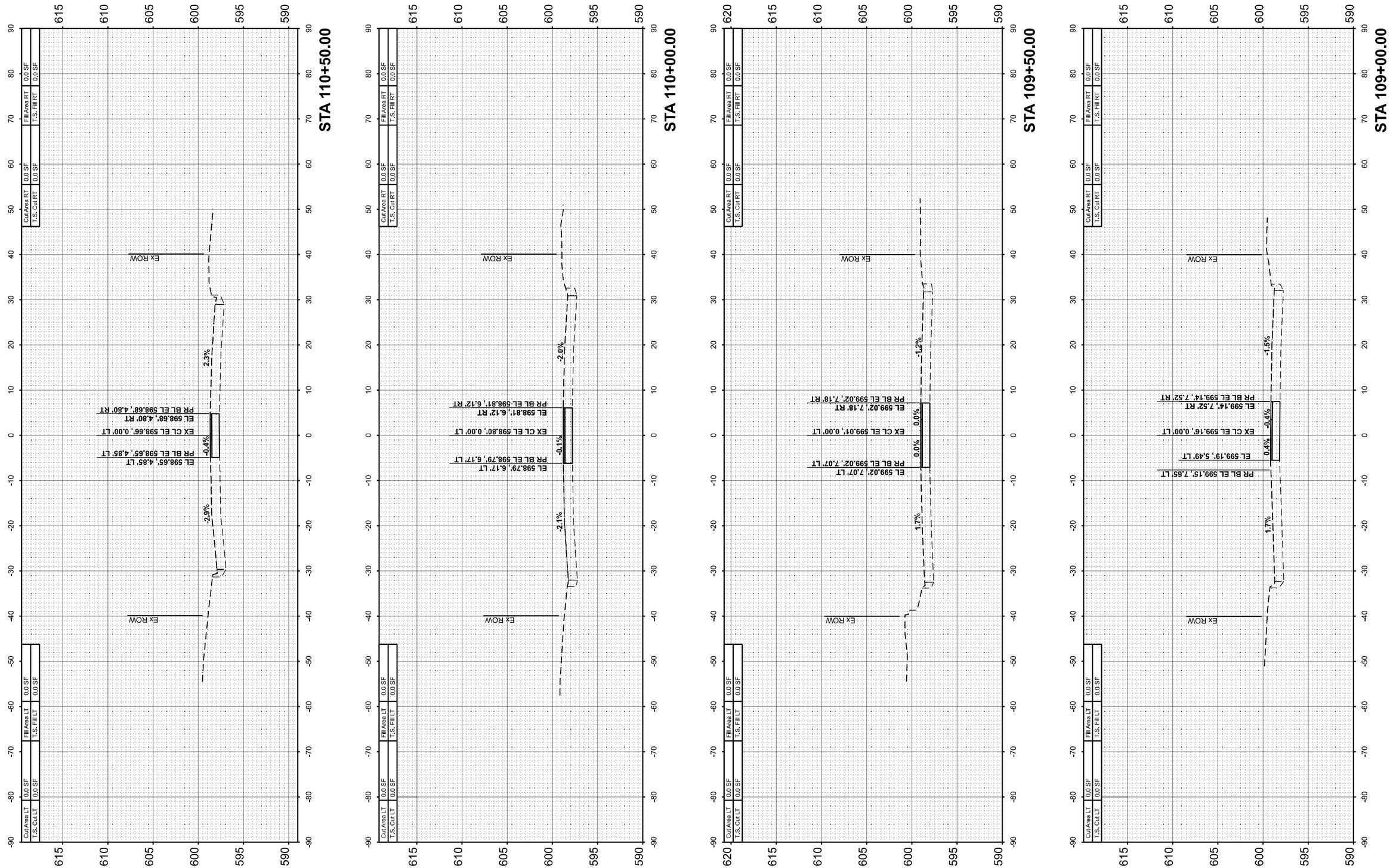

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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	AREAS		
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PLOT DATE = 12/15/2023	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-1 CROSS SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: 1"=10' | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	75

CONTRACT NO. 62T51

ILLINOIS | FED. AID PROJECT

FINAL SURVEY		BY	DATE
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NOTE BOOK	TEMPLATE		
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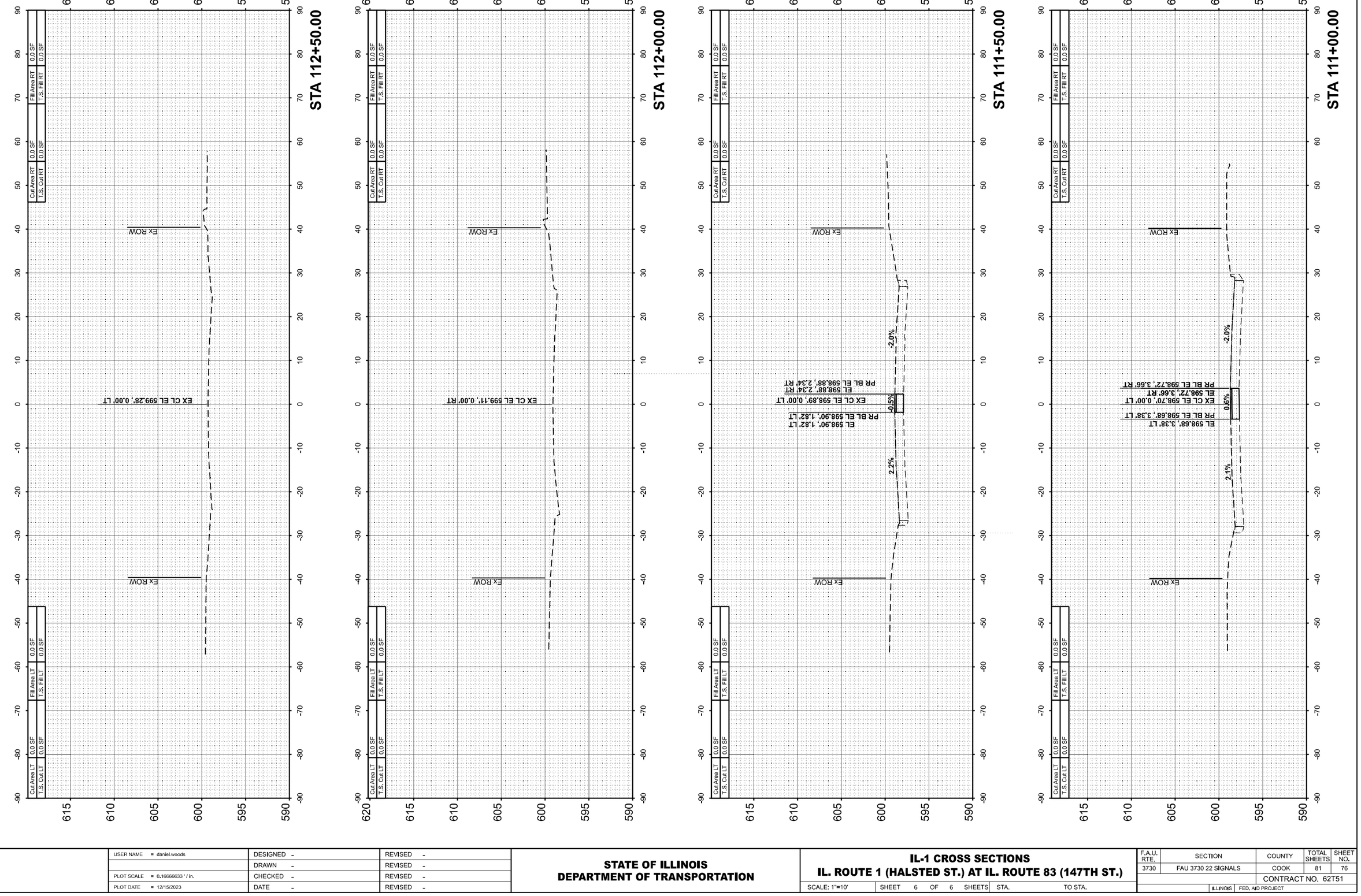
NO.	AREAS CHECKED		



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NOTE BOOK	TEMPLATE		
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NO.	AREAS CHECKED		

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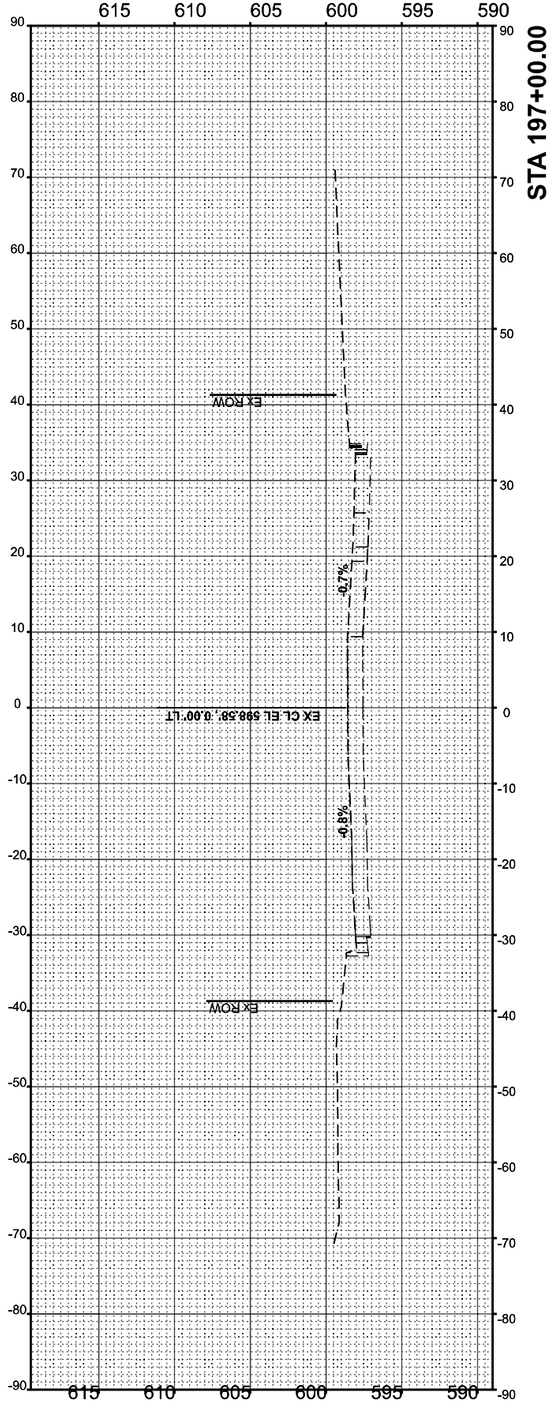
PLOT DATE = 12/15/2023	DATE -	REVISED -	

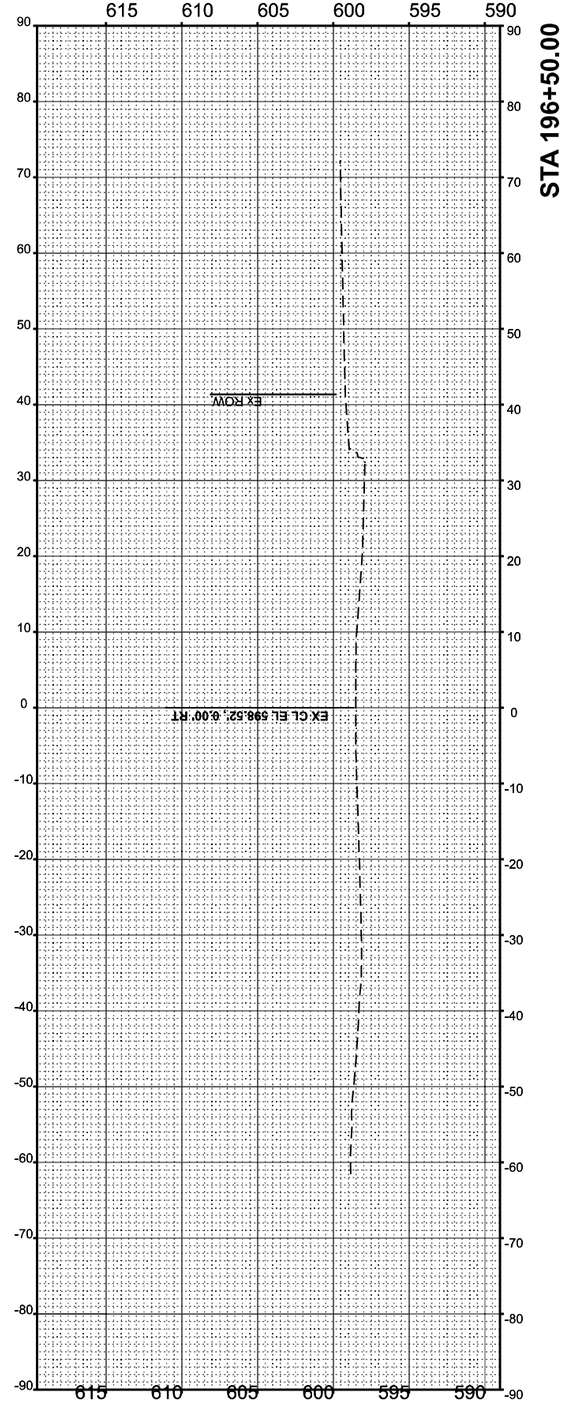
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

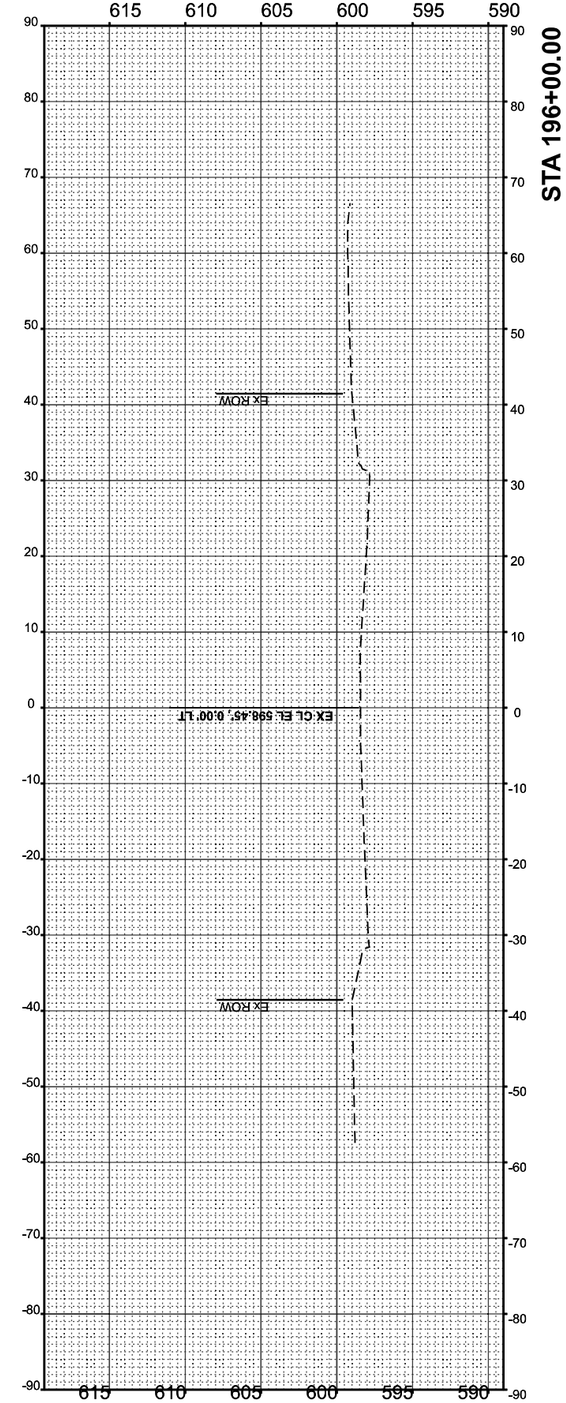
IL-1 CROSS SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

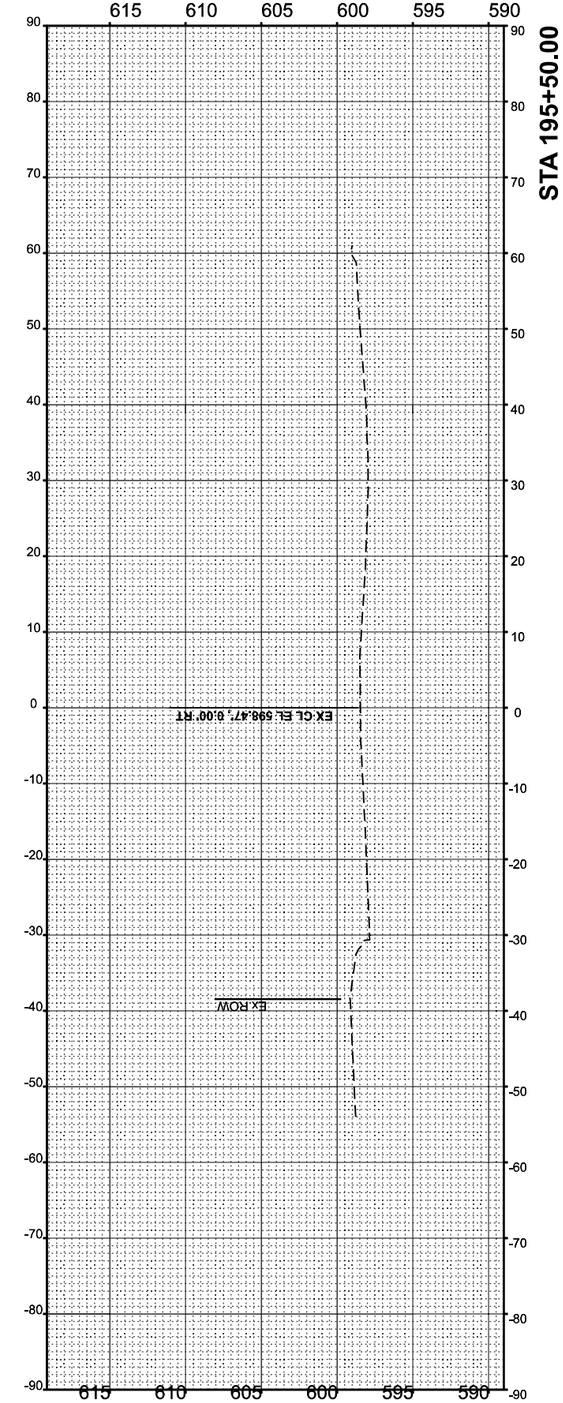
SCALE: 1"=10' | SHEET 6 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	76
		CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			









FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
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	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
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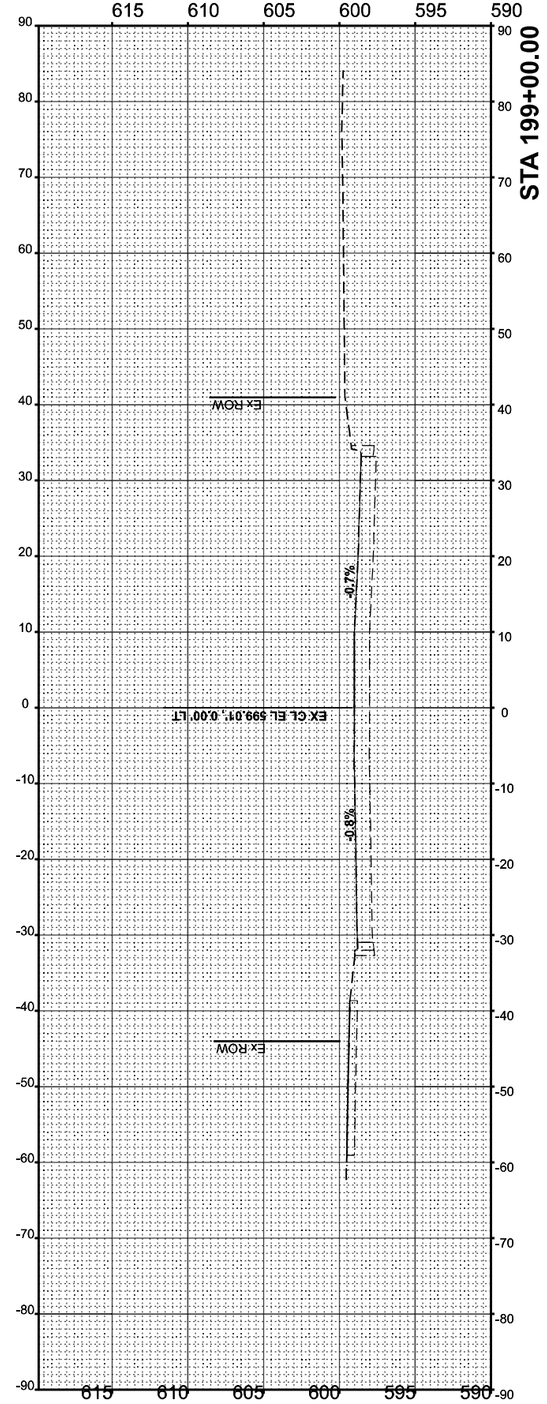
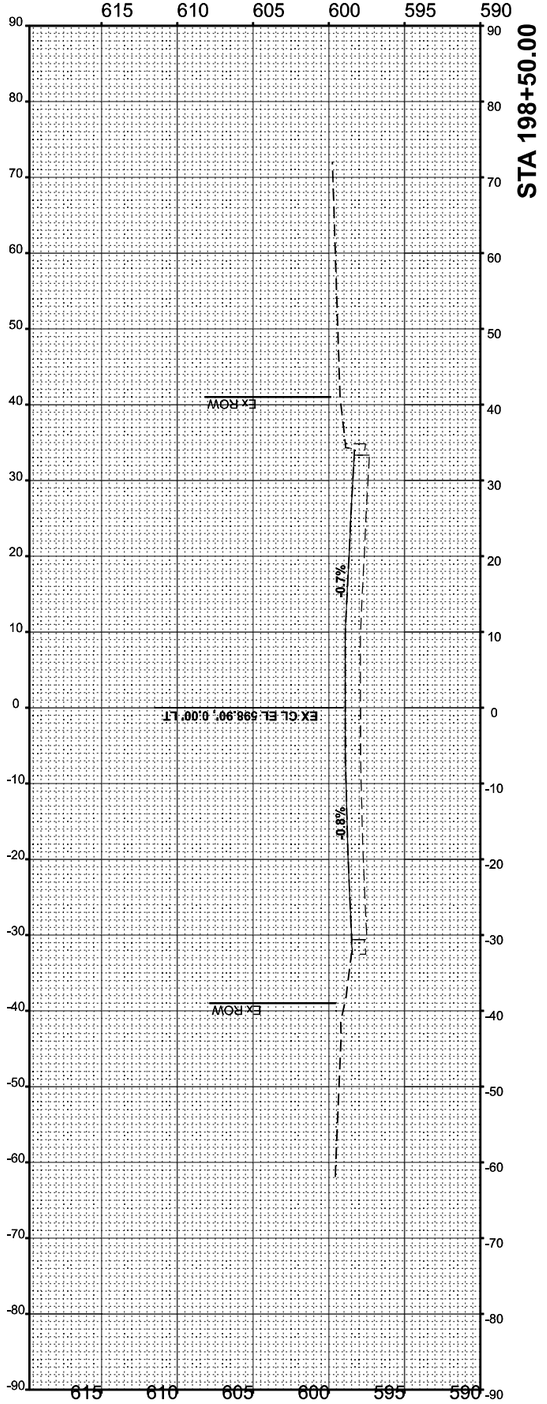
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

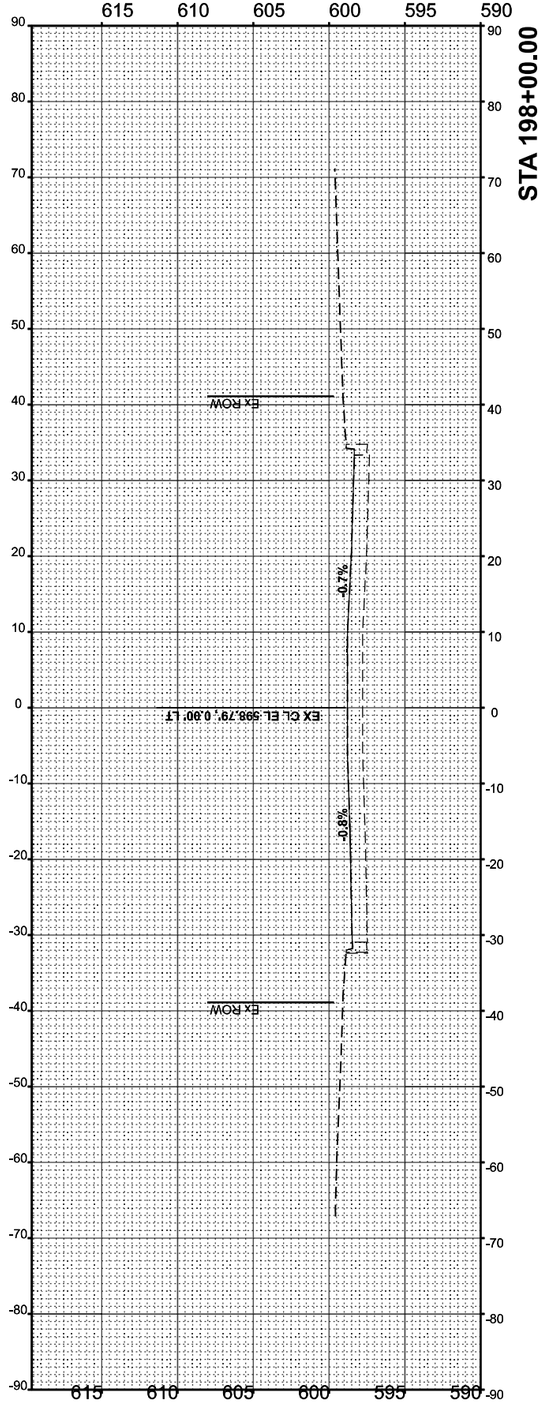
IL-83 CROSS SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

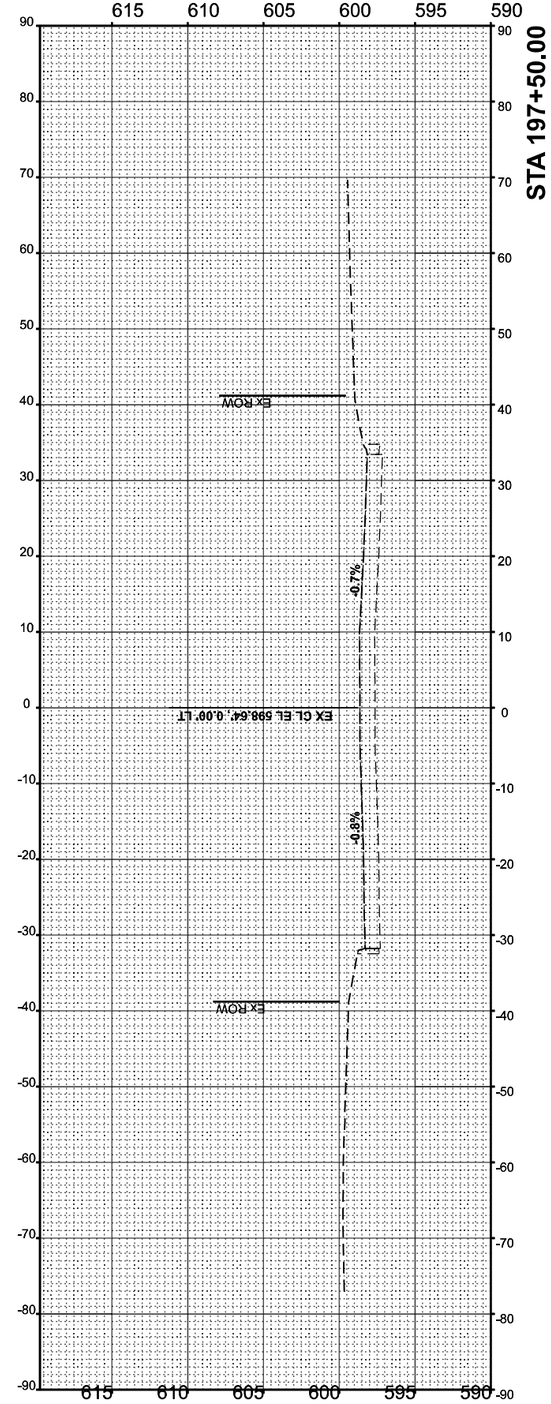
SCALE: 1"=10' | SHEET 1 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	77
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		









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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-83 CROSS SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: 1"=10' | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	78
		CONTRACT NO. 62T51		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

ORIGINAL SURVEY | NOTE BOOK | NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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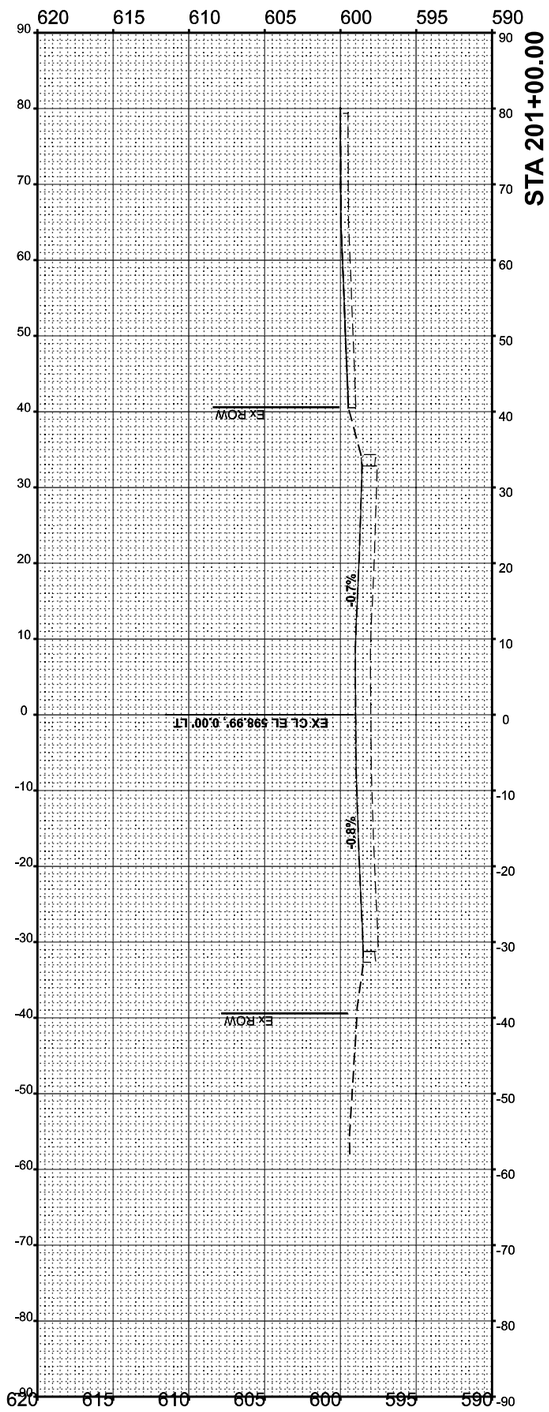

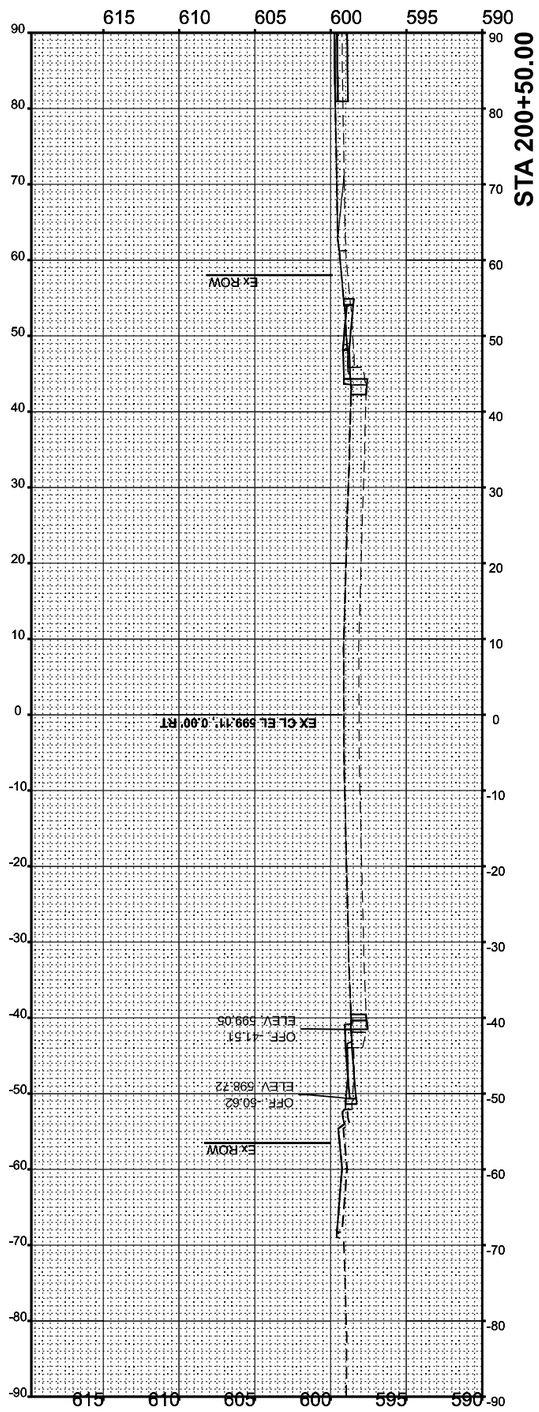

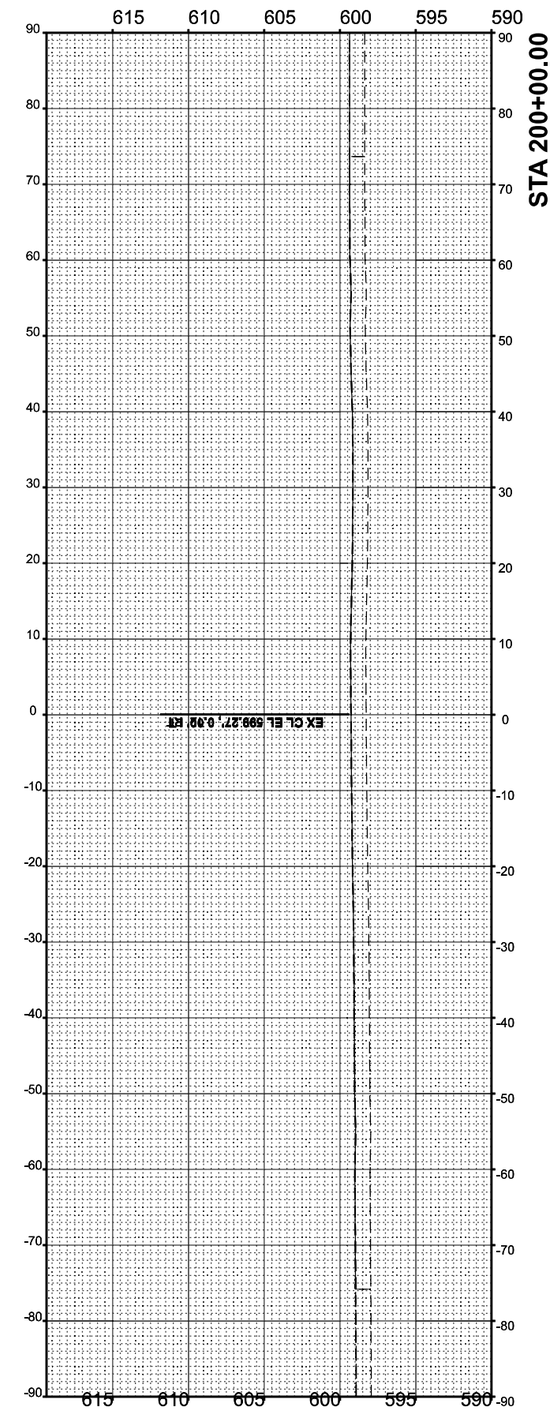

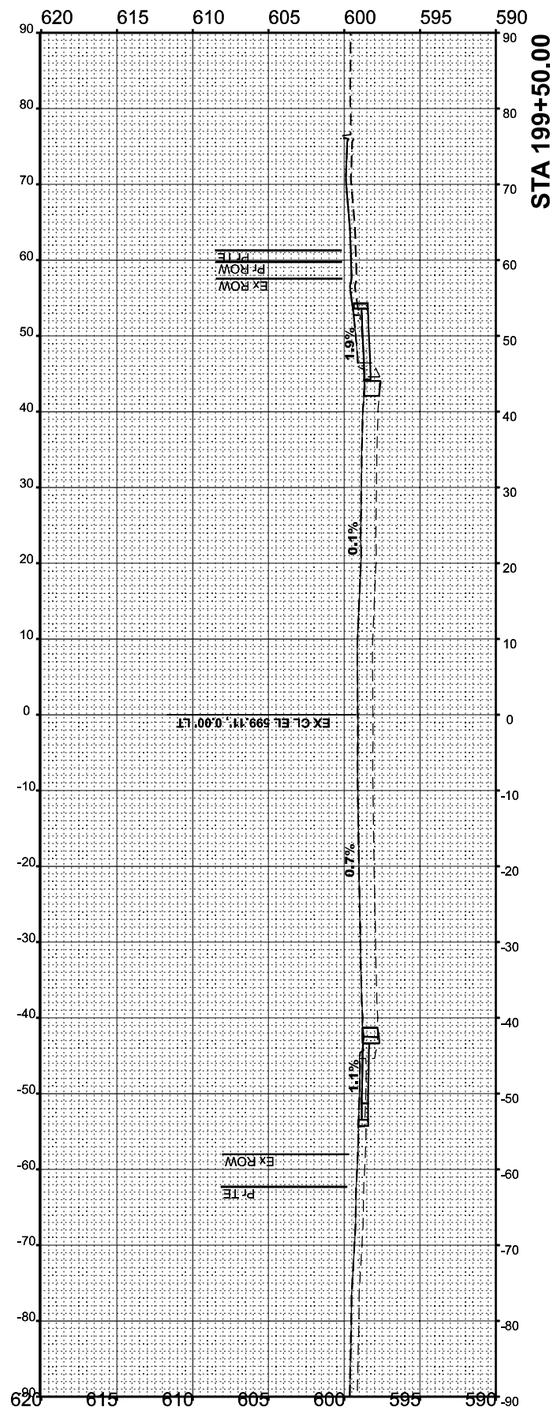

ORIGINAL SURVEY		BY	DATE
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NOTE BOOK	TEMPLATE		
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NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
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NOTE BOOK	TEMPLATE		
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NO.	AREAS CHECKED		

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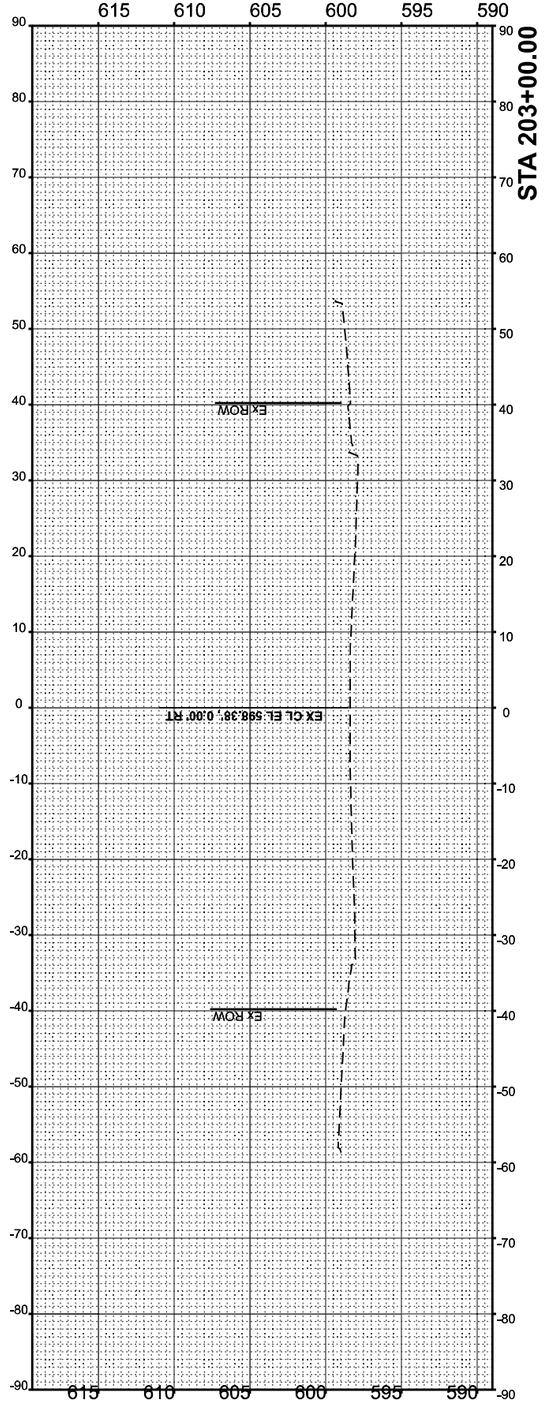
USER NAME = daniel.woods	DESIGNED -		REVISED -
	DRAWN -		REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -		REVISED -
PLOT DATE = 12/15/2023	DATE -		REVISED -

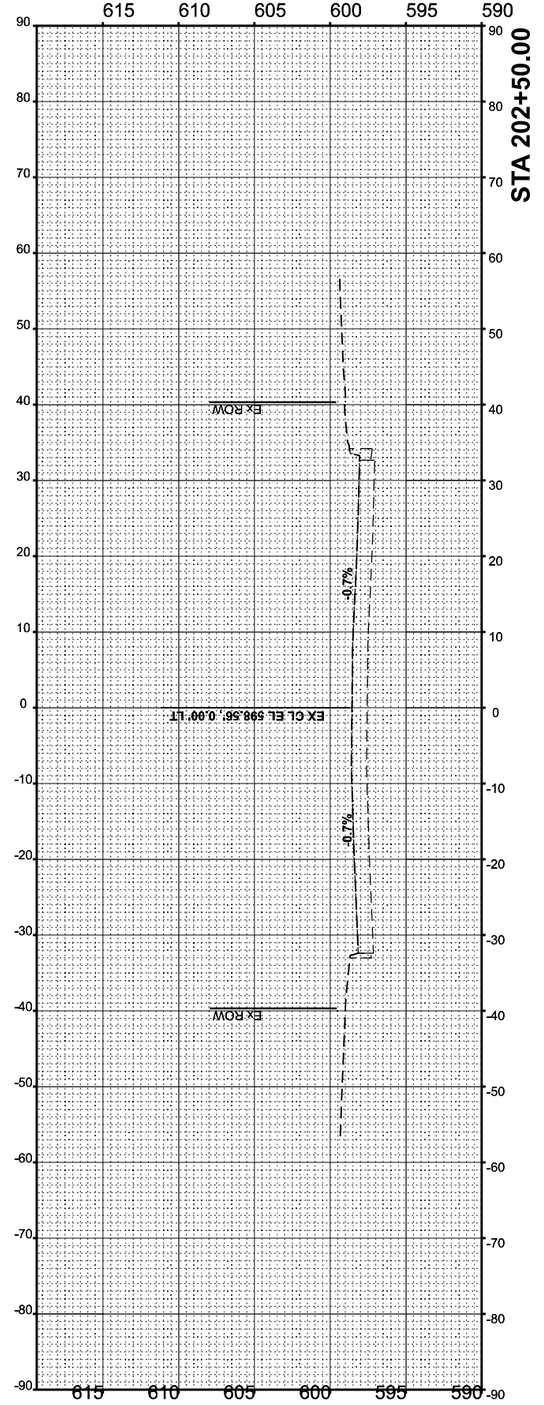
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

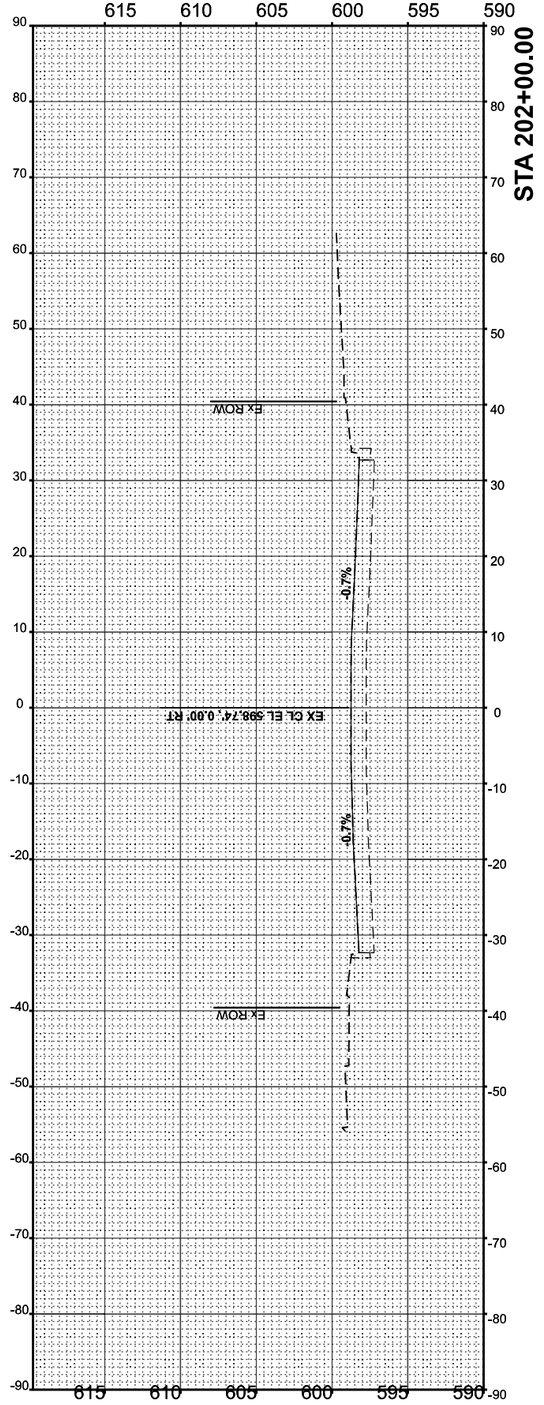
IL-83 CROSS SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

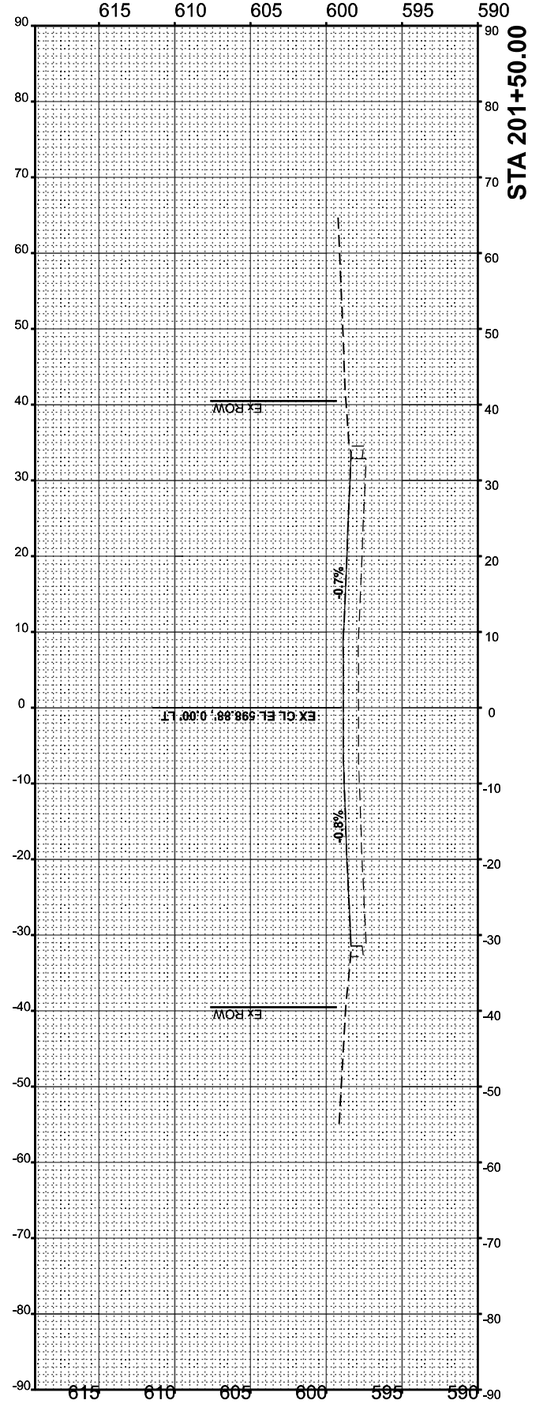
SCALE: 1"=10' | SHEET 3 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	79
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		









FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

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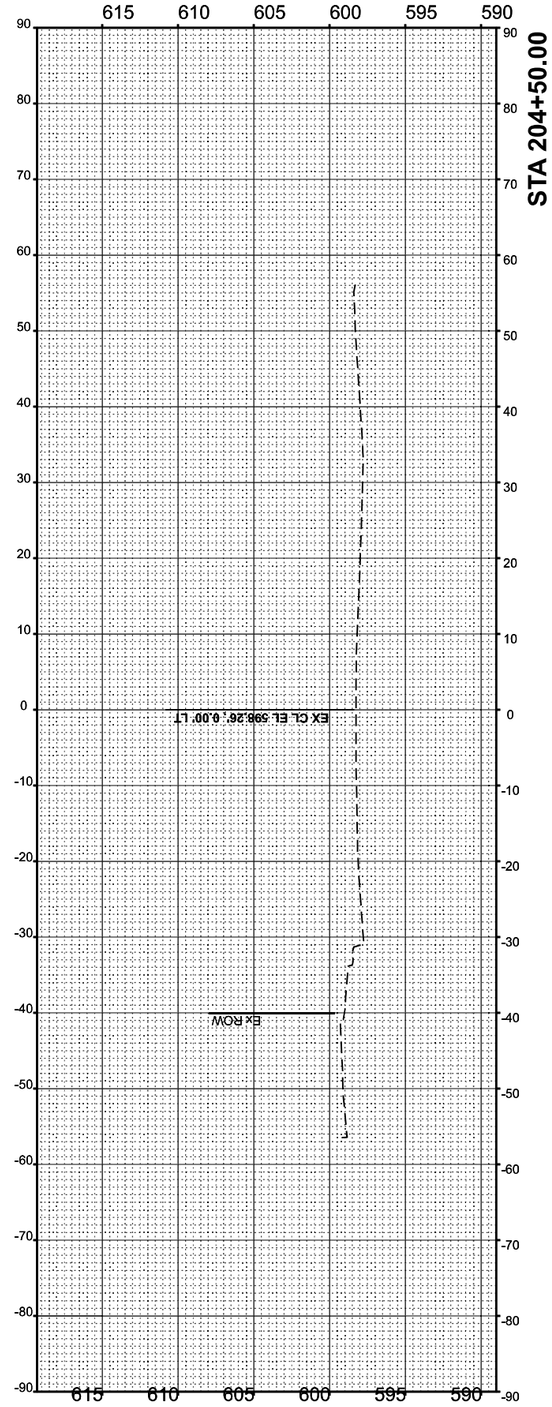
USER NAME = danielwoods	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 12/15/2023	DATE -	REVISED -

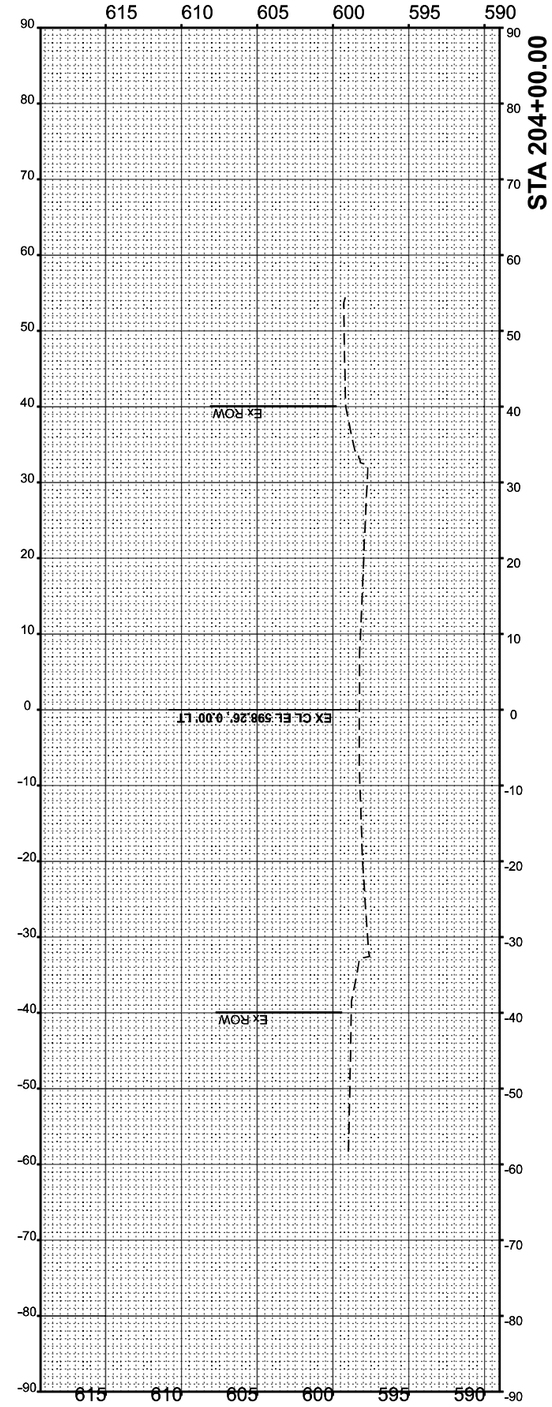
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

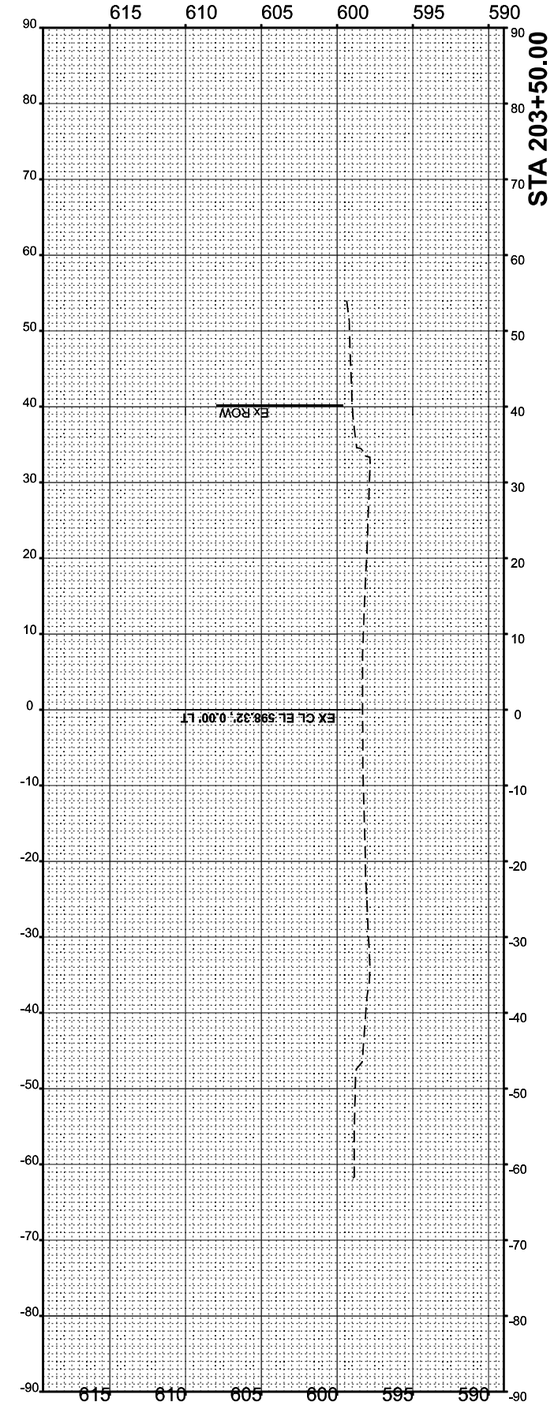
IL-83 CROSS SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

SCALE: 1"=10' | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	80
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		







ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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USER NAME = daniel.woods	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16686633 ' / In.	CHECKED -	REVISED -
PLOT DATE = 12/15/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-83 CROSS SECTIONS
IL. ROUTE 1 (HALSTED ST.) AT IL. ROUTE 83 (147TH ST.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	FAU 3730 22 SIGNALS	COOK	81	81
		CONTRACT NO. 62T51		
	ILLINOIS	FED. AID PROJECT		