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HIGHWAY STANDARDS

000001-08 – STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07 – TEMPORARY EROSION CONTROL SYSTEMS
424001-11 – PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05 – DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04 – CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424026-03 – ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031-02 – MEDIAN PEDESTRIAN CROSSINGS
442201-03 – CLASS C & D PATCHES
601001-05 – PIPE UNDERDRAINS
602001-02 – CATCH BASIN TYPE A
602401-07 – PRECAST MANHOLE TYPE A 4’ DIAMETER
602601-06 – PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02 – MANHOLE STEPS
604001-05 – FRAME AND LIDS TYPE 1
604086-05 – FRAME AND GRATE TYPE 23
604091-05 – FRAME AND GRATE TYPE 24
606001-08 – CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05 – OFF-RD OPERATIONS, MULTILANE, 15’ TO 24” FROM PAVEMENT EDGE
701427-05 – LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER. FOR SPEEDS ≤ 40 MPH
701602-10 – URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10 – URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10 – URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06 – SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09 – TRAFFIC CONTROL DEVICES
720001-01 – SIGN PANEL MOUNTING DETAILS
720006-04 – SIGN PANEL ERECTION DETAILS
720016-04 – MAST ARM MOUNTED ST NAME SIGNS
725001-01 – OBJECT AND TERMINAL MARKERS
728001-01 – TELESCOPING STEEL SIGN SUPPORT
805001-01 – ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03 – HANDHOLES
814006-03 – DOUBLE HANDHOLES
857001-01 – STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01 – UNINTERRUPTABLE POWER SUPPLY
873001-02 – TRAFFIC SIGNAL GROUNDING & BONDING
876001-04 – PEDESTRIAN PUSH BUTTON POST
877006-06 – STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS

HIGHWAY STANDARDS (CONT.)

877011-10 – STEEL MAST ARM ASSEMBLY AND POLE, 16’ THROUGH 55’
878001-11 – CONCRETE FOUNDATION DETAILS
880006-01 – TRAFFIC SIGNAL MOUNTING DETAILS
886001-01 – DETECTOR LOOP INSTALLATIONS
886006-01 – TYPICAL LAYOUTS FOR DETECTION LOOPS

DISTRICT 1 STANDARD DETAILS

BD-7 – DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-8 – FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22 – PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24 – CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32 – BUTT JOINTS AND HMA TAPER
TC-10 – TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11 – TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13 – DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14 – TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16 – SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22 – ARTERIAL ROAD INFORMATION SIGN
TC-26 – DRIVEWAY ENTRANCE SIGNING

COMMITMENTS

1. TREES THREE (3) OR MORE INCHES IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH OCTOBER 31ST OF ANY GIVEN YEAR.

GENERAL NOTES

UTILITIES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.
2. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE CITY AND ENGINEER DO NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
3. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 8-1-1 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES (48 HOURS NOTIFICATIONS IS REQUIRED). THE CONTRACTOR SHALL CONTACT IDOT'S BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24 HOURS BEFORE PLACING HOT MIX ASPHALT OR PORTLAND CEMENT CONCRETE.

STAKING

4. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE ENGINEER, ITS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

WATER FOR CONSTRUCTION PURPOSES

5. THE CONTRACTOR CAN OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NO "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. THE CONTRACTOR MAY OBTAIN WATER ONLY UNDER THE DIRECTION OF THE PALOS HILLS PUBLIC WORKS DEPARTMENT AT THE TIME OF CONSTRUCTION. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CITY RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF CITY WATER IF DEEMED NECESSARY.

MISCELLANEOUS

6. ALL SAWCUTTING SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL.
7. LOCATIONS FOR PAVEMENT PATCHING WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
8. WHEN REMOVING PAVEMENT, CURB AND GUTTER, SHOULDER, AND/OR OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS, WHICH MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES, WILL NOT BE PERMITTED. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL BE PERMITTED. THE CONTRACTOR IS PROHIBITED FROM BREAKING UP CONCRETE BY DROPPING IT ON THE PAVEMENT OR IN ANY OTHER MANNER WHICH MAY DAMAGE EXISTING OR PROPOSED PAVEMENTS OR OTHER ROADWAY APPURTENANCES.
9. NO CONSTRUCTION SHALL BEGIN UNTIL ALL PROPER TEMPORARY SIGNS AND BARRICADES HAVE BEEN INSTALLED.
10. 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 FOR THESE LOCATIONS TO BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
11. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
12. THE ENGINEER SHALL CONTACT PATRICE HARRIS, IDOT'S AREA TRAFFIC FIELD TECH, VIA E-MAIL AT PATRICE.HARRIS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
13. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR.

14. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS OR MAILBOXES WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS AND MAILBOXES DURING CONSTRUCTION OPERATIONS. IF EXISTING SIGNS, MAILBOXES, OR MAILBOX POSTS ARE DAMAGED DURING THE REMOVAL AND REPLACEMENT PROCESS, THE SIGN, MAILBOX, OR MAILBOX POST SHALL BE REPLACED.
15. DURING THE CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS CAUSED BY THE CONSTRUCTION.
16. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
17. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED.
18. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
19. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
20. AT THE END OF EACH DAY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL STREETS, SIDEWALKS, AND PARKING LOTS ADJACENT TO THE PROJECT ARE FREE OF ALL CONSTRUCTION RELATED DEBRIS INCLUDING DIRT, STONE, NAILS, ETC.
21. THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES AFFECTED BY THE WORK.
22. PAVEMENT AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND, IF DAMAGED, SHALL BE REPLACED PROMPTLY BY THE CONTRACTOR IN CONFORMANCE WITH IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.
23. ALL DIMENSIONS, INCLUDING RADII, ARE GIVEN TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

DRAINAGE AND UTILITIES GENERAL NOTES

24. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLAN, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE.
25. THE CONTRACTOR SHALL CONFIRM ALL SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATIONS OF STRUCTURES DUE TO THE FAILURE OF THE CONTRACTOR TO PERFORM THIS TASK MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD.

26. ANY EXISTING DRAINAGE FACILITIES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR. THIS WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.
27. THE EXISTING STORM SEWER TO REMAIN SHALL BE INSPECTED BY THE CONTRACTOR BEFORE CONSTRUCTION STARTS. ANY EXISTING ACCUMULATED MATERIAL SHALL BE DOCUMENTED BY THE CONTRACTOR. ANY UNDOCUMENTED ACCUMULATION OF MATERIAL FOUND IN THE STRUCTURES OR PIPES AFTER CONSTRUCTION IS COMPLETED SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE.

CHRISTOPHER B. BURKE ENGINEERING, LTD. <small>16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 771-0950</small>	USER NAME = aschaefer	DESIGNED - AJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	111TH STREET AND ROBERTS ROAD GENERAL NOTES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = N.T.S.	CHECKED - BMW	REVISIED -		1581	17-00032-00-CH	COOK	112	3			
	PLOT DATE = 4/3/2024	DATE -	REVISIED -		CONTRACT NO. 61H55			ILLINOIS FED. AID PROJECT				
				SCALE: N.T.S.	SHEET 1	OF 1	SHEETS	STA.	TO STA.			

SUMMARY OF QUANTITIES

FUNDING SOURCE					STP			NON-PARTICIPATING
					80% FED 20% LOCAL			100% LOCAL
CONSTRUCTION TYPE CODE					0005	0021	0042	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS, LIGHTING	TRAINEES	TRAFFIC SIGNALS, LIGHTING	
~ 20101100	TREE TRUNK PROTECTION	EACH	3	3				
~ 20101200	TREE ROOT PRUNING	EACH	3	3				
20200100	EARTH EXCAVATION	CU YD	1451	1451				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	550	550				
20800150	TRENCH BACKFILL	CU YD	17	16	1			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1158	1158				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1100	1100				
25200110	SODDING, SALT TOLERANT	SQ YD	1100	1100				
25200200	SUPPLEMENTAL WATERING	UNIT	30	30				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	20	20				
28000510	INLET FILTERS	EACH	26	26				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	288	288				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2280	2280				
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	984	984				
35400475	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9 3/4"	SQ YD	14	14				
35501323	HOT-MIX ASPHALT BASE COURSE, 9 3/4"	SQ YD	316	316				
35600715	HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4"	SQ YD	40	40				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	15642	15642				

~ DENOTES SPECIALTY ITEM

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CONSTRUCTION TYPE CODE					0005	0021	0042	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS, LIGHTING	TRAINEES	TRAFFIC SIGNALS, LIGHTING	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	9315	9315				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20	20				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	134	134				
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	641	641				
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	810	810				
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1619	1619				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	39	39				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5175	5175				
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1840	1840				
42400800	DETECTABLE WARNINGS	SQ FT	200	200				
44000100	PAVEMENT REMOVAL	SQ YD	1438	1438				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	15605	15605				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	303	303				
44000300	CURB REMOVAL	FOOT	18	18				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2033	2033				
44000600	SIDEWALK REMOVAL	SQ FT	4433	4433				
44003100	MEDIAN REMOVAL	SQ FT	2343	2343				
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	294	294				

~ DENOTES SPECIALTY ITEM

	USER NAME = aschaefer DESIGNED - AJS DRAWN - JRS CHECKED - BMW DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	11TH STREET AND ROBERTS ROAD SUMMARY OF QUANTITIES	F.A.U. RTE. 1581 SECTION 17-00032-00-CH COUNTY COOK ILLINOIS FED. AID PROJECT	TOTAL SHEETS 112 SHEET NO. 5 CONTRACT NO. 61H55
	CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-0950	PLOT SCALE = N.T.S. PLOT DATE = 4/3/2024	SCALE: N.T.S. SHEET 2 OF 10 SHEETS STA. TO STA.			

SUMMARY OF QUANTITIES

FUNDING SOURCE					STP			NON-PARTICIPATING
					80% FED 20% LOCAL			100% LOCAL
CONSTRUCTION TYPE CODE					0005	0021	0042	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS, LIGHTING	TRAINEES	TRAFFIC SIGNALS, LIGHTING	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	294	294				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	294	294				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	294	294				
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	21	21				
~ 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	1				
~ 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	1				
~ 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	2	2				
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	905	905				
60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	1	1				
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2				
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	5	5				
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1				
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1				
60500060	REMOVING INLETS	EACH	3	3				
60600605	CONCRETE CURB, TYPE B	FOOT	120	120				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	150	150				
60604300	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (VARIABLE WIDTH GUTTER FLAG)	FOOT	78	78				

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	PLOT SCALE = N.T.S.	DRAWN - JRS	REVISED -			1581	17-00032-00-CH	COOK	112	6
	PLOT DATE = 4/3/2024	CHECKED - BMW	REVISED -			CONTRACT NO. 61H55				
					SCALE: N.T.S.	SHEET 3 OF 10 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

FUNDING SOURCE					STP			NON-PARTICIPATING
					80% FED 20% LOCAL			100% LOCAL
CONSTRUCTION TYPE CODE					0005	0021	0042	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS, LIGHTING	TRAINEES	TRAFFIC SIGNALS, LIGHTING	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1309	1309				
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	441	441				
60605500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	92	92				
60618390	CONCRETE MEDIAN SURFACE, CORRUGATED	SQ FT	120	120				
~ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1710	1710				
~ 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6				
~ 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1				
~ 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1				
~ 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	60	60				
67100100	MOBILIZATION	L SUM	1	1				
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	450	450				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3350	3350				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1117	1117				
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	636	636				
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	5880	5880				
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	2650	2650				
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	1270	1270				
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	370	370				

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	PLOT SCALE = N.T.S.	DRAWN - JRS	REVISED -			1581	17-00032-00-CH	COOK	112	7
	PLOT DATE = 4/3/2024	CHECKED - BMW	REVISED -			CONTRACT NO. 61H55				
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS, LIGHTING	TRAINEES	TRAFFIC SIGNALS, LIGHTING	
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	105	105				
~ 72000100	SIGN PANEL - TYPE 1	SQ FT	73	25	30		18	
~ 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	7				7	
~ 72900100	METAL POST - TYPE A	FOOT	90	75			15	
~ 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	783	783				
~ 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	7460	7460				
~ 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	2158	2158				
~ 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1959	1959				
~ 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	1842	1842				
~ 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	184	184				
~ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	178	178				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	215	215				
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	4741	4741				
~ 80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1		1			
~ 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1426		1426			
~ 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	410		410			
~ 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	182		182			
~ 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	597		597			

~ DENOTES SPECIALTY ITEM

SUMMARY OF QUANTITIES

FUNDING SOURCE					STP			NON-PARTICIPATING
					80% FED 20% LOCAL			100% LOCAL
CONSTRUCTION TYPE CODE					0005	0021	0042	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS, LIGHTING	TRAINEES	TRAFFIC SIGNALS, LIGHTING	
~ 81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	1715		1715			
~ 81400100	HANDHOLE	EACH	5		5			
~ 81400200	HEAVY-DUTY HANDHOLE	EACH	2		2			
~ 81400300	DOUBLE HANDHOLE	EACH	3		3			
~ 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	2		2			
~ 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1290		1290			
~ 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1715		1715			
~ 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	5135		5135			
~ 81800240	AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER WIRE	FOOT	390		390			
~ 82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	7		7			
~ 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	10		10			
~ 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	4		4			
~ 84200804	REMOVAL OF POLE FOUNDATION	EACH	5		5			
~ 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1		1			
~ 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2			
~ 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1			
~ 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	5011		5011			
~ 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2221		2221			

~ DENOTES SPECIALTY ITEM

SUMMARY OF QUANTITIES

FUNDING SOURCE					STP			NON-PARTICIPATING
					80% FED 20% LOCAL			100% LOCAL
CONSTRUCTION TYPE CODE					0005	0021	0042	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS, LIGHTING	TRAINEES	TRAFFIC SIGNALS, LIGHTING	
~ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2843		2843			
~ 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2298		2298			
~ 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2324		2324			
~ 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1274		1274			
~ 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	119		119			
~ 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1325		1325			
~ 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6		6			
~ 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	28		28			
~ 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4			
~ 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	57		57			
~ 87900200	DRILL EXISTING HANDHOLE	EACH	2		2			
~ 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7		7			
~ 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3		3			
~ 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	7		7			
~ 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5		5			
~ 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12		12			
~ 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12		12			
~ 88500100	INDUCTIVE LOOP DETECTOR	EACH	7		7			

~ DENOTES SPECIALTY ITEM

SUMMARY OF QUANTITIES

FUNDING SOURCE					STP			NON-PARTICIPATING
					80% FED 20% LOCAL			100% LOCAL
CONSTRUCTION TYPE CODE					0005	0021	0042	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS, LIGHTING	TRAINEES	TRAFFIC SIGNALS, LIGHTING	
~ 88600100	DETECTOR LOOP, TYPE I	FOOT	495		495			
~ 88700200	LIGHT DETECTOR	EACH	3		3			
~ 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1			
~ 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1			
~ 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1			
~ 89502380	REMOVE EXISTING HANDHOLE	EACH	10		10			
~ 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	4		4			
~ 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8		8			
X0300019	REMOVE AND REINSTALL PARKING BLOCKS	EACH	12	12				
X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	2	2				
~ X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	561		561			
~ X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	3109		3109			
X0326806	WASHOUT BASIN	L SUM	1	1				
~ X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4		4			
~ X1400108	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1		1			
~ X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2		2			
~ X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2		2			
~ X1400424	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	816		816			

~ DENOTES SPECIALTY ITEM

SUMMARY OF QUANTITIES

FUNDING SOURCE					STP			NON-PARTICIPATING
					80% FED 20% LOCAL			100% LOCAL
CONSTRUCTION TYPE CODE					0005	0021	0042	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS, LIGHTING	TRAINEES	TRAFFIC SIGNALS, LIGHTING	
X2111000	TOPSOIL EXCAVATION	CU YD	400	400				
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	6	6				
X4023000	TEMPORARY ACCESS (ROAD)	EACH	4	4				
X6025604	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	1	1				
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	3	3				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	15	15				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				
X7240205	REMOVE SIGN COMPLETE	EACH	1	1				
~ X7240505	RELOCATE SIGN PANEL AND POST	EACH	2	2				
~ X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	115	115				
~ X8211008	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	7		7			
~ X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1		1			
~ X8301115	MAST ARM, STREET LIGHTING, 15'	EACH	7		7			
~ X8410141	REMOVAL OF TEMPORARY LUMINAIRE	EACH	7		7			
~ X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1			
~ X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	5011		5011			
~ X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12		12			
~ X8770136	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	1		1			

~ DENOTES SPECIALTY ITEM

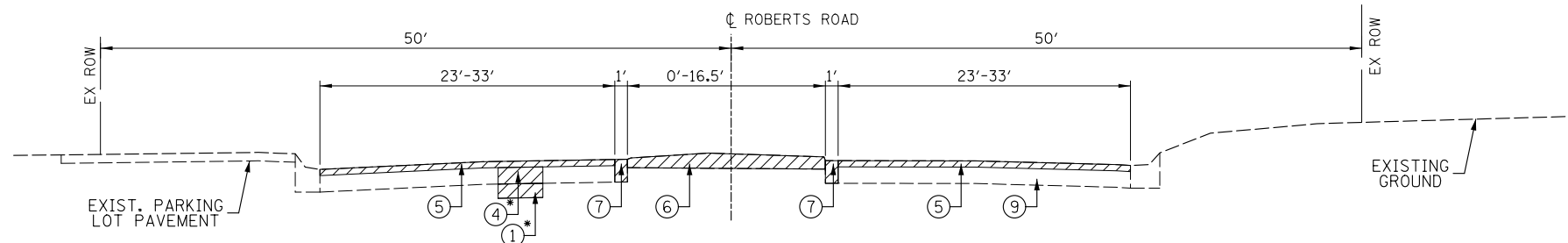
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	SCALE: N.T.S. SHEET 9 OF 10 SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT CONTRACT NO. 61H55				

SUMMARY OF QUANTITIES

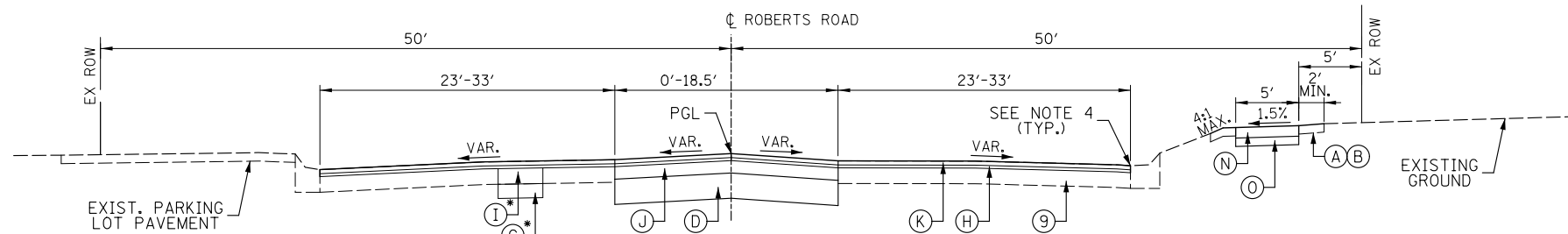
FUNDING SOURCE					STP			NON-PARTICIPATING
					80% FED 20% LOCAL			100% LOCAL
CONSTRUCTION TYPE CODE					0005	0021	0042	0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS, LIGHTING	TRAINEES	TRAFFIC SIGNALS, LIGHTING	
~ X8770139	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT. (SPECIAL)	EACH	1		1			
~ X8770140	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT. (SPECIAL)	EACH	1		1			
~ X8770152	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT. (SPECIAL)	EACH	1		1			
~ X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16		16			
~ X8809005	LED SIGNAL FACE, LENS COVER	EACH	22		22			
~ X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2		2			
XX005431	LOCATING UNDERGROUND UTILITY	EACH	3	3				
~ XX005661	REMOVE AND RELOCATE SIGN NO. 1	EACH	1	1				
XX008694	HOT-MIX ASPHALT SIDEWALK REMOVAL	SQ YD	17	17				
Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	159	159				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	110	110				
~ Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	14		14			
~ Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9		9			
~ Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1			
Z0038121	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2"	SQ YD	600	600				
~ Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1			
Z0076600	TRAINEES	HOUR	500			500		
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500			500		

~ DENOTES SPECIALTY ITEM

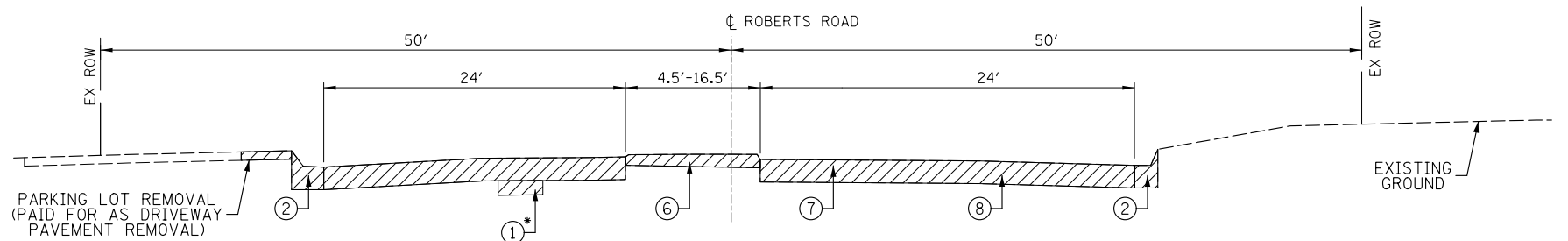
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	SCALE: N.T.S. SHEET 10 OF 10 SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT CONTRACT NO. 61H55				



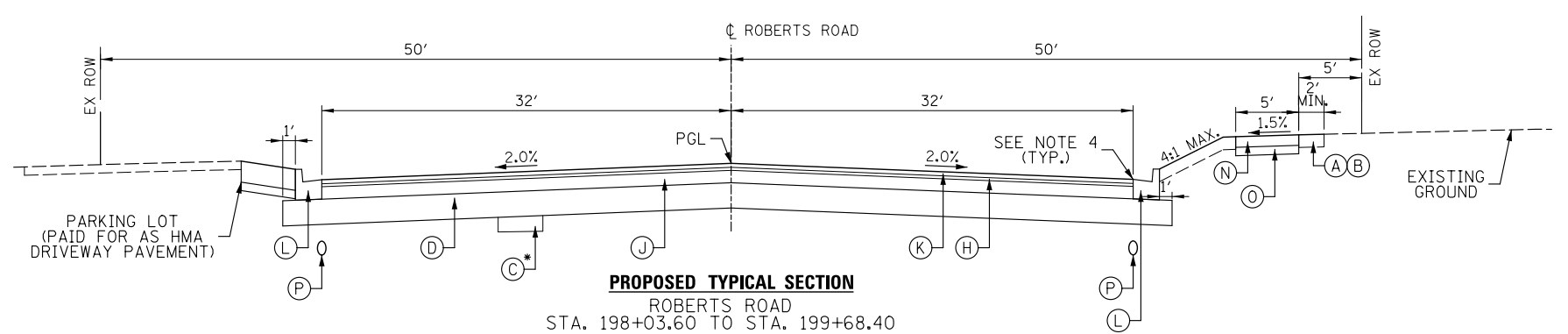
EXISTING TYPICAL SECTION
ROBERTS ROAD
STA. 194+87.96 TO STA. 198+03.60



PROPOSED TYPICAL SECTION
ROBERTS ROAD
STA. 194+87.96 TO STA. 198+03.60



EXISTING TYPICAL SECTION
ROBERTS ROAD
STA. 198+03.60 TO STA. 199+68.40



PROPOSED TYPICAL SECTION
ROBERTS ROAD
STA. 198+03.60 TO STA. 199+68.40

EXISTING LEGEND

- ① REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
 - ② COMBINATION CURB AND GUTTER REMOVAL (44000500)
 - ③ SIDEWALK REMOVAL (44000600)
 - ④ CLASS D PATCHES, 10 INCH (TYPES I-IV) (44201761, 44201765, 44201769, 44201771)
 - ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, 2" (44000157)
 - ⑥ MEDIAN REMOVAL (44003100)
 - ⑦ PAVEMENT REMOVAL (44000100)
 - ⑧ EXISTING PCC PAVEMENT
 - ⑨ EXISTING HMA PAVEMENT
- AT LOCATIONS AS DIRECTED BY THE ENGINEER



REMOVAL ITEMS

PROPOSED LEGEND

- (A) TOPSOIL FURNISH AND PLACE, 4" (21101615)
 - (B) SODDING, SALT TOLERANT (25200110)
 - (C) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
 - (D) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
 - (F) PORTLAND CEMENT CONCRETE BASE COURSE 9 3/4" (35400475) (TO BE USED WHERE DISTANCE BETWEEN PROPOSED CURB & GUTTER AND EXISTING PAVEMENT IS 3' OR LESS)
 - (G) HOT-MIX ASPHALT BASE COURSE, 9 3/4" (35501323) (WIDENING GREATER THAN 6') OR HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4" (35600715) (WIDENING 6' OR LESS)
 - (H) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4" (40603200)
 - (I) CLASS D PATCHES, 10 INCH (TYPES I-IV) (44201761, 44201765, 44201769, 44201771)
 - (J) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 7" (40603085)
 - (K) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N70; 1 1/2" (40603340)
 - (L) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (60604400)
 - (M) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
 - (N) PORTLAND CEMENT CONCRETE SIDEWALK, 5" (42400200), SEE NOTE 1
 - (O) SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200)
 - (P) PIPE UNDERDRAINS, TYPE 2 4" (60108204)
- AT LOCATIONS AS DIRECTED BY THE ENGINEER

NOTES:

1. PROPOSED PCC SIDEWALK THICKNESS SHALL BE INCREASED TO 8" AT ALL DRIVEWAYS AND CURB RAMPS AS SHOWN ON THE PLANS.
2. LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BINDER COURSE, IL-4.75, N50.
3. SEE REMOVAL AND RPP PLANS FOR LIMITS OF SIDEWALK REMOVAL AND PROPOSED PCC SIDEWALK.
4. THE PROPOSED HMA SURFACE COURSE, IL-9.5, N70 SHALL BE INSTALLED 1/4" ABOVE THE GUTTER AT THE EDGE OF PAVEMENT.
5. PIPE UNDERDRAINS SHALL BE INSTALLED AT THE EDGE OF PAVEMENT AT A MINIMUM DEPTH OF 30" (FINISHED GRADE TO INVERT), UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ NDES	QMP
PAVEMENT RECONSTRUCTION & WIDENING & RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 1-1/2"	4% @ 70 GYR.	LR 1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 7" (ROBERTS ROAD RECON.)	4% @ 70 GYR.	LR 1030-2
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 9 3/4"	4% @ 70 GYR.	LR 1030-2
HOT-MIX ASPHALT BASE COURSE WIDENING (HMA BINDER IL-19.0), 9 3/4"	4% @ 70 GYR.	LR 1030-2
HMA DRIVEWAY, 4"		
HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "D", N50; 1 3/4"	4% @ 50 GYR.	LR 1030-2
HOT MIX ASPHALT BINDER COURSE IL-19.0, N50, 2 1/4"	4% @ 50 GYR.	LR 1030-2
CLASS D PATCHES, 10"		
HOT MIX ASPHALT BINDER COURSE IL-19.0, N70;	4% @ 70 GYR.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE PER LR 1030-2		

HMA TABLE NOTES:

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MATERIAL IS 112 LB/SQ YD/IN.

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

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 156th Street, Suite 201
Lockport, Illinois 60441
(815) 771-0950

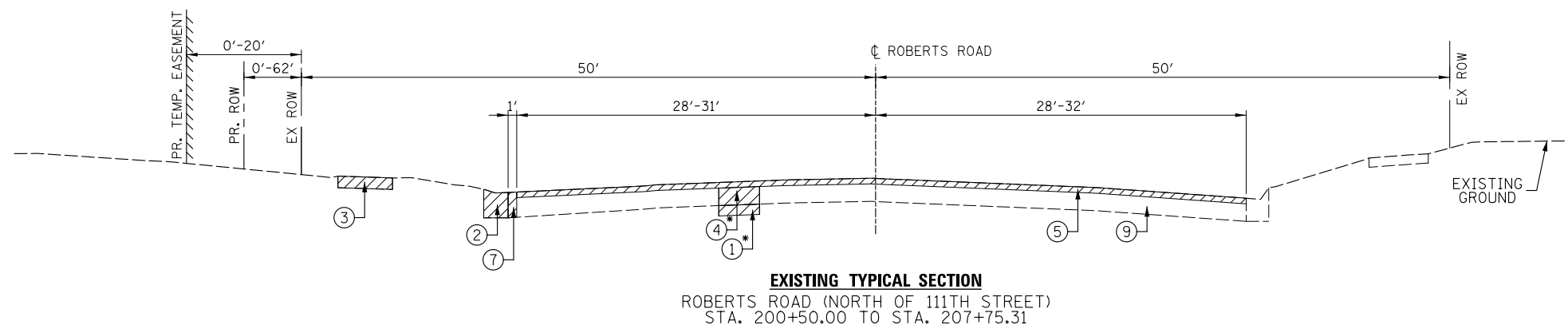
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

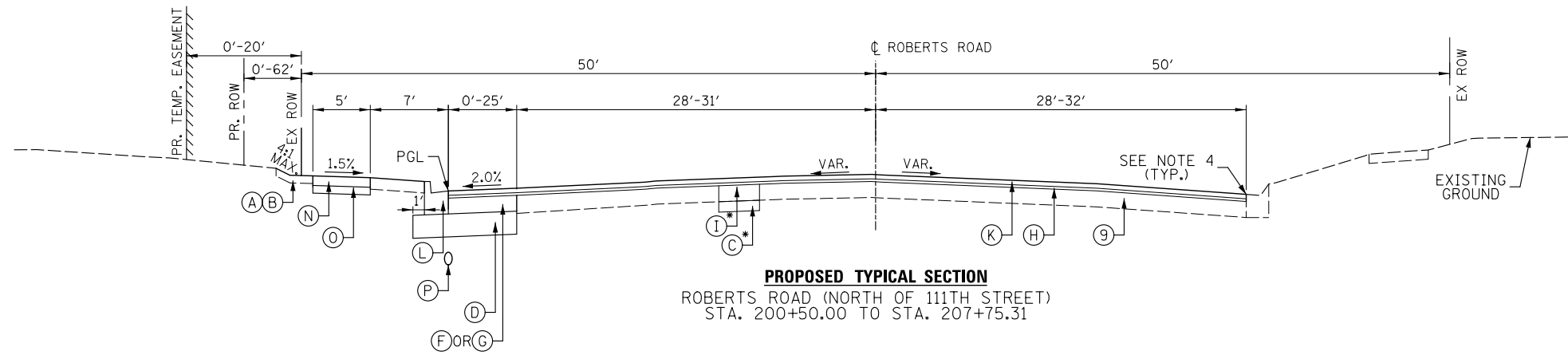
11TH STREET AND ROBERTS ROAD
TYPICAL SECTIONS

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

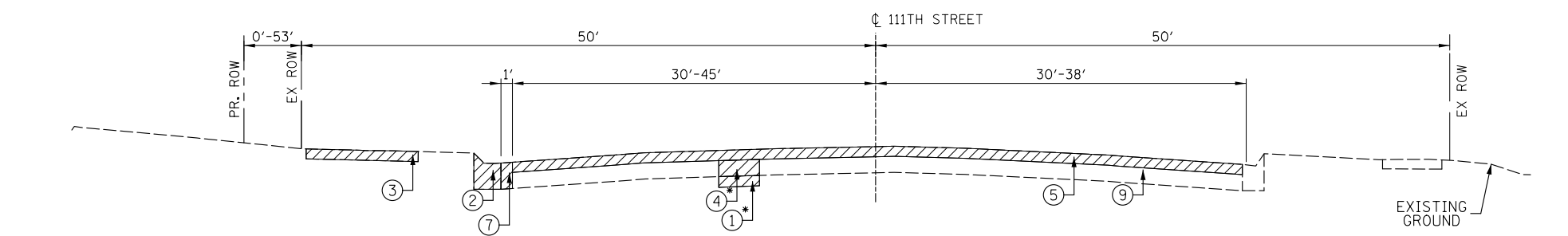
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				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				



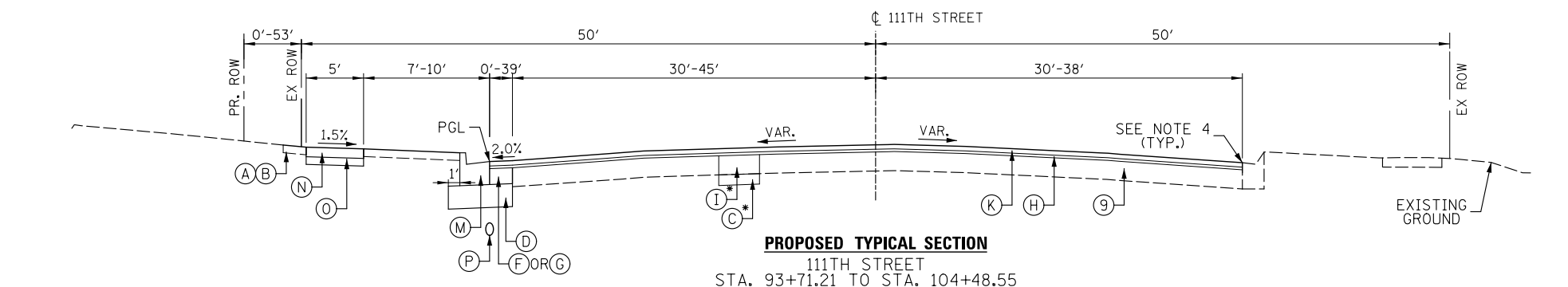
EXISTING TYPICAL SECTION
ROBERTS ROAD (NORTH OF 111TH STREET)
STA. 200+50.00 TO STA. 207+75.31



PROPOSED TYPICAL SECTION
ROBERTS ROAD (NORTH OF 111TH STREET)
STA. 200+50.00 TO STA. 207+75.31



EXISTING TYPICAL SECTION
111TH STREET
STA. 93+71.21 TO STA. 104+48.55



PROPOSED TYPICAL SECTION
111TH STREET
STA. 93+71.21 TO STA. 104+48.55

EXISTING LEGEND

- ① REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
 - ② COMBINATION CURB AND GUTTER REMOVAL (44000500)
 - ③ SIDEWALK REMOVAL (44000600)
 - ④ CLASS D PATCHES, 10 INCH (TYPES I-IV) (44201761, 44201765, 44201769, 44201771)
 - ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, 2" (44000157)
 - ⑥ MEDIAN REMOVAL (44003100)
 - ⑦ PAVEMENT REMOVAL (44000100)
 - ⑧ EXISTING PCC PAVEMENT
 - ⑨ EXISTING HMA PAVEMENT
- * AT LOCATIONS AS DIRECTED BY THE ENGINEER

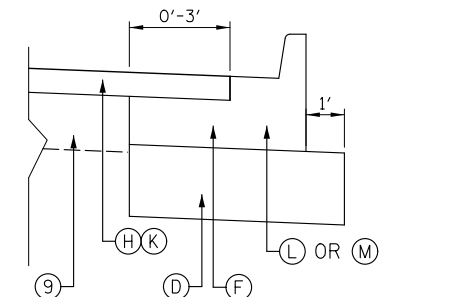


PROPOSED LEGEND

- Ⓐ TOPSOIL FURNISH AND PLACE, 4" (21101615)
 - Ⓑ SODDING, SALT TOLERANT (25200110)
 - Ⓒ AGGREGATE SUBGRADE IMPROVEMENT (30300001)
 - Ⓓ AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
 - Ⓕ PORTLAND CEMENT CONCRETE BASE COURSE 9 3/4" (35400475) (TO BE USED WHERE DISTANCE BETWEEN PROPOSED CURB & GUTTER AND EXISTING PAVEMENT IS 3' OR LESS)
 - Ⓖ HOT-MIX ASPHALT BASE COURSE, 9 3/4" (35501323) (WIDENING GREATER THAN 6') OR HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4" (35600715) (WIDENING 6' OR LESS)
 - Ⓗ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4" (40603200)
 - Ⓘ CLASS D PATCHES, 10 INCH (TYPES I-IV) (44201761, 44201765, 44201769, 44201771)
 - Ⓙ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 7" (40603085)
 - Ⓚ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N70; 1 1/2" (40603340)
 - Ⓛ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (60604400)
 - Ⓜ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000)
 - Ⓝ PORTLAND CEMENT CONCRETE SIDEWALK, 5" (42400200), SEE NOTE 1
 - Ⓞ SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200)
 - Ⓟ PIPE UNDERDRAINS, TYPE 2 4" (60108204)
- * AT LOCATIONS AS DIRECTED BY THE ENGINEER

NOTES:

1. PROPOSED PCC SIDEWALK THICKNESS SHALL BE INCREASED TO 8" AT ALL DRIVEWAYS AND CURB RAMPS AS SHOWN ON THE PLANS.
2. LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BINDER COURSE, IL-4.75, N50.
3. SEE REMOVAL AND RPP PLANS FOR LIMITS OF SIDEWALK REMOVAL AND PROPOSED PCC SIDEWALK.
4. THE PROPOSED HMA SURFACE COURSE, IL-9.5, N70 SHALL BE INSTALLED 1/4" ABOVE THE GUTTER AT THE EDGE OF PAVEMENT.
5. PIPE UNDERDRAINS SHALL BE INSTALLED AT THE EDGE OF PAVEMENT AT A MINIMUM DEPTH OF 30" (FINISHED GRADE TO INVERT), UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



TO BE POURED MONOLITHICALLY WITH CURB & GUTTER
PCC BASE COURSE DETAIL

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 771-0950</p>	USER NAME = aschaefer	DESIGNED - AJ5	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	111TH STREET AND ROBERTS ROAD TYPICAL SECTIONS			F.A.U. RTE. = 1581	SECTION = 17-00032-00-CH	COUNTY = COOK	TOTAL SHEETS = 112	SHEET NO. = 15
	PLOT SCALE = N.T.S.	CHECKED - BMW	REVISED -		SCALE: N.T.S.	SHEET 2	OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 61H55			
	PLOT DATE = 4/3/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

EARTHWORK SCHEDULE									
STATION	20201200		X2111000	20200100	66900200	EARTH EXCAVATION VOLUME USED (15% SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	
	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	TOPSOIL EXCAVATION	EARTH EXCAVATION	NON-SPECIAL WASTE DISPOSAL	(CU YD)				(CU YD)
ROBERTS ROAD	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	
194+92	TO	195+00	2	0	0	0	0	0	
195+00	TO	195+37	7	0	5	0	4	2	
195+37	TO	195+50	2	0	1	0	1	1	
195+50	TO	196+00	7	0	6	0	5	3	
196+00	TO	196+50	0	7	5	11	0	-3	
196+50	TO	197+00	0	14	7	21	0	-6	
197+00	TO	197+50	0	14	17	31	0	-6	
197+50	TO	198+00	0	13	31	43	0	-5	
198+00	TO	198+50	0	14	92	106	0	-5	
198+50	TO	199+00	0	17	136	153	0	-8	
199+00	TO	199+50	0	28	166	194	0	-9	
199+50	TO	200+00	0	19	101	120	0	-4	
200+00	TO	200+50	0	28	59	88	0	-6	
200+50	TO	201+00	0	41	82	123	0	-6	
201+00	TO	201+50	0	22	36	34	0	-1	
201+50	TO	201+77	5	0	19	0	16	15	
201+77	TO	202+00	0	0	18	0	15	15	
202+00	TO	202+12	0	0	9	0	8	8	
202+12	TO	202+50	7	0	28	0	23	23	
202+50	TO	202+59	2	0	10	0	8	8	
202+59	TO	203+00	8	0	40	0	34	33	
203+00	TO	203+50	20	0	25	0	21	17	
203+50	TO	203+79	6	0	18	0	15	13	
203+79	TO	204+00	3	0	13	0	11	10	
204+00	TO	204+50	9	0	14	0	12	9	
204+50	TO	204+71	1	0	2	0	1	1	
204+71	TO	205+00	0	0	0	0	0	0	
205+00	TO	205+50	0	0	0	0	0	0	
205+50	TO	206+00	0	0	0	0	0	0	
206+00	TO	206+50	0	0	0	0	0	0	
206+50	TO	207+00	0	0	0	0	0	0	
207+00	TO	207+50	0	0	0	0	0	0	
207+50	TO	208+00	0	0	0	0	0	0	
111TH STREET									
98+00	TO	98+50	0	0	0	0	0	0	
98+50	TO	99+00	1	0	8	0	7	6	
99+00	TO	99+50	33	0	119	0	101	98	
99+50	TO	100+50	93	1	313	9	266	255	
100+50	TO	101+00	15	33	54	151	46	41	
101+00	TO	101+50	0	93	14	203	12	12	
101+50	TO	102+00	0	15	6	69	5	5	
102+00	TO	102+50	0	0	0	14	0	0	
102+50	TO	103+00	0	0	0	0	0	0	
TOTALS			221	358	1451	1370	611	96	515

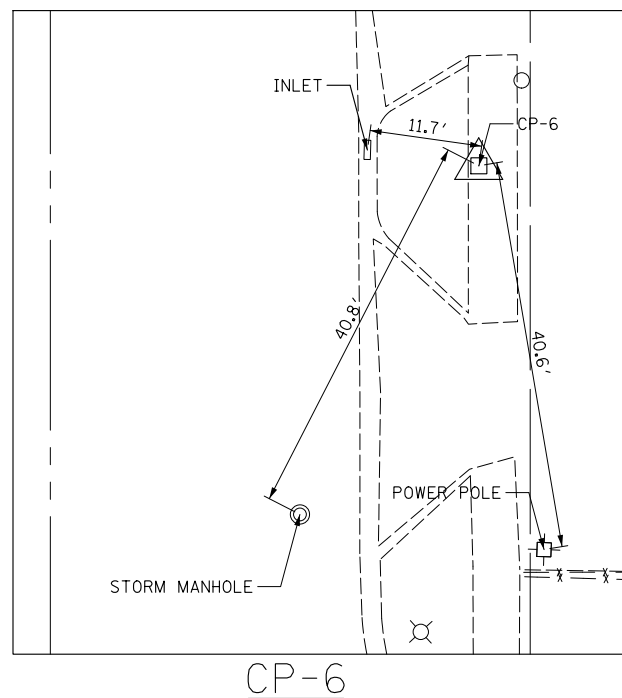
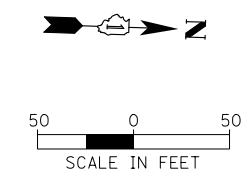
SUMMARY			
20201200	X2111000	20200100	66900200
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	TOPSOIL EXCAVATION	EARTH EXCAVATION	NON-SPECIAL WASTE DISPOSAL
(CU YD)	(CU YD)	(CU YD)	(CU YD)
221	358	1,451	1,370

ALL TOPSOIL WITHIN THE CONSTRUCTION LIMITS SHALL BE STRIPPED FROM THE SITE PRIOR TO EARTHWORK OPERATIONS. DURING CONSTRUCTION, SOILS AND OTHER CONSTRUCTION DEBRIS SHALL BE MONITORED FOR REGULATED SUBSTANCES. IF REGULATED SUBSTANCES ARE ENCOUNTERED, EXCAVATING AND DISPOSING OF TOPSOIL SHALL BE PAID FOR AS TOPSOIL EXCAVATION AND NON-SPECIAL WASTE DISPOSAL, REPECTIVELY. ALL OTHER TOPSOIL EXCAVATION AND DISPOSAL SHALL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS. THE QUANTITIES FOR TOPSOIL EXCAVATION AND DISPOSAL SHOWN ON THIS SCHEDULE ARE FOR ROADWAY RELATED IMPROVEMETNS AND WERE CALCULATED FROM THE PROPOSED CROSS-SECTIONS. ADDITIONAL QUANTITIES HAVE BEEN INCLUDED FOR LANDSCAPING DISTURBED OUTSIDE OF THE ROADWAY GRADING LIMITS.

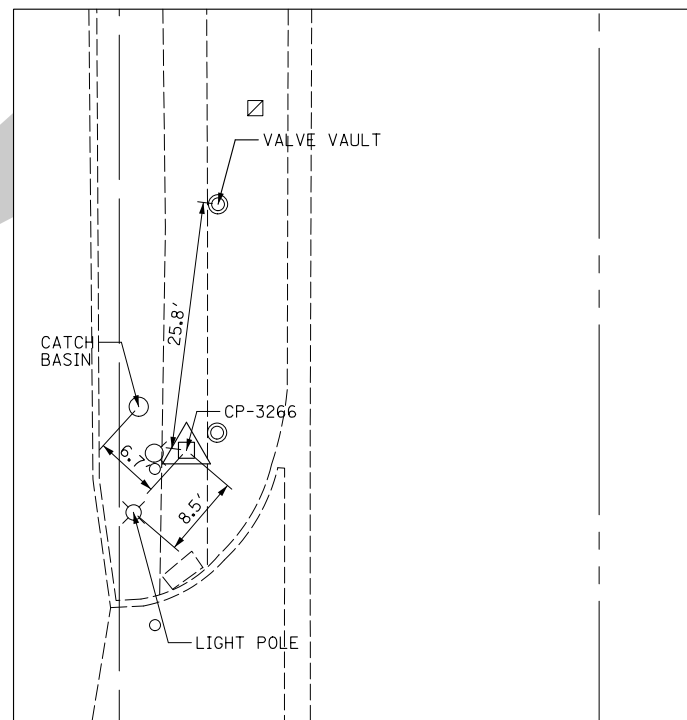
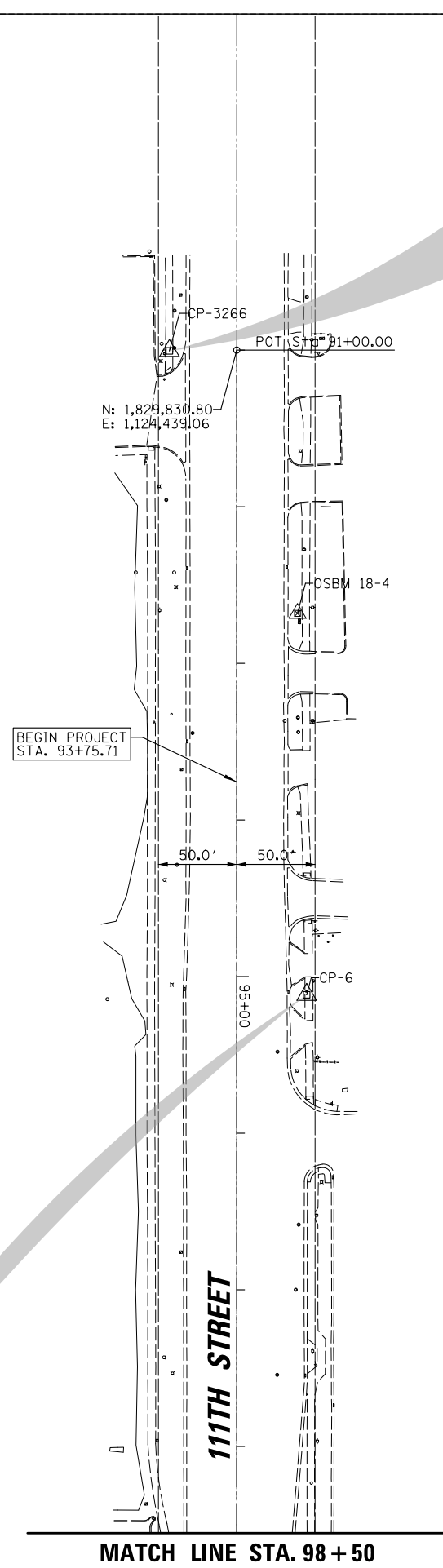
ELEVATION BENCHMARKS DATUM: NAVD 1988 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM	N.E. CORNER OF CONC. BASE OF LIGHTING	598.61
18-4	CONTROL BOX ±600' WEST OF ROBERTS RD. ON N. SIDE OF 111TH ST.	

HORIZONTAL CONTROL

CONTROL POINT	DESCRIPTION	NORTHING	EASTING	STATION	OFFSET
6	X-CUT	1,829,889.24	1,124,848.99	95+11.65	44.65' LT
3266	X-CUT	1,829,787.84	1,124,440.99	91+00.48	42.99' RT



BEGIN PROJECT
STA. 93+75.71



CP-3266

MATCH LINE STA. 98 + 50

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 156th Street, Suite 201
Lockport, Illinois 60441
(815) 770-0950

USER NAME = aschaefer
PLOT SCALE = 50'
PLOT DATE = 4/3/2024

DESIGNED - AJ5
DRAWN - JRS
CHECKED - BMW
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

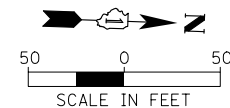
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

111TH STREET AND ROBERTS ROAD
ALIGNMENT, TIES, AND BENCHMARKS

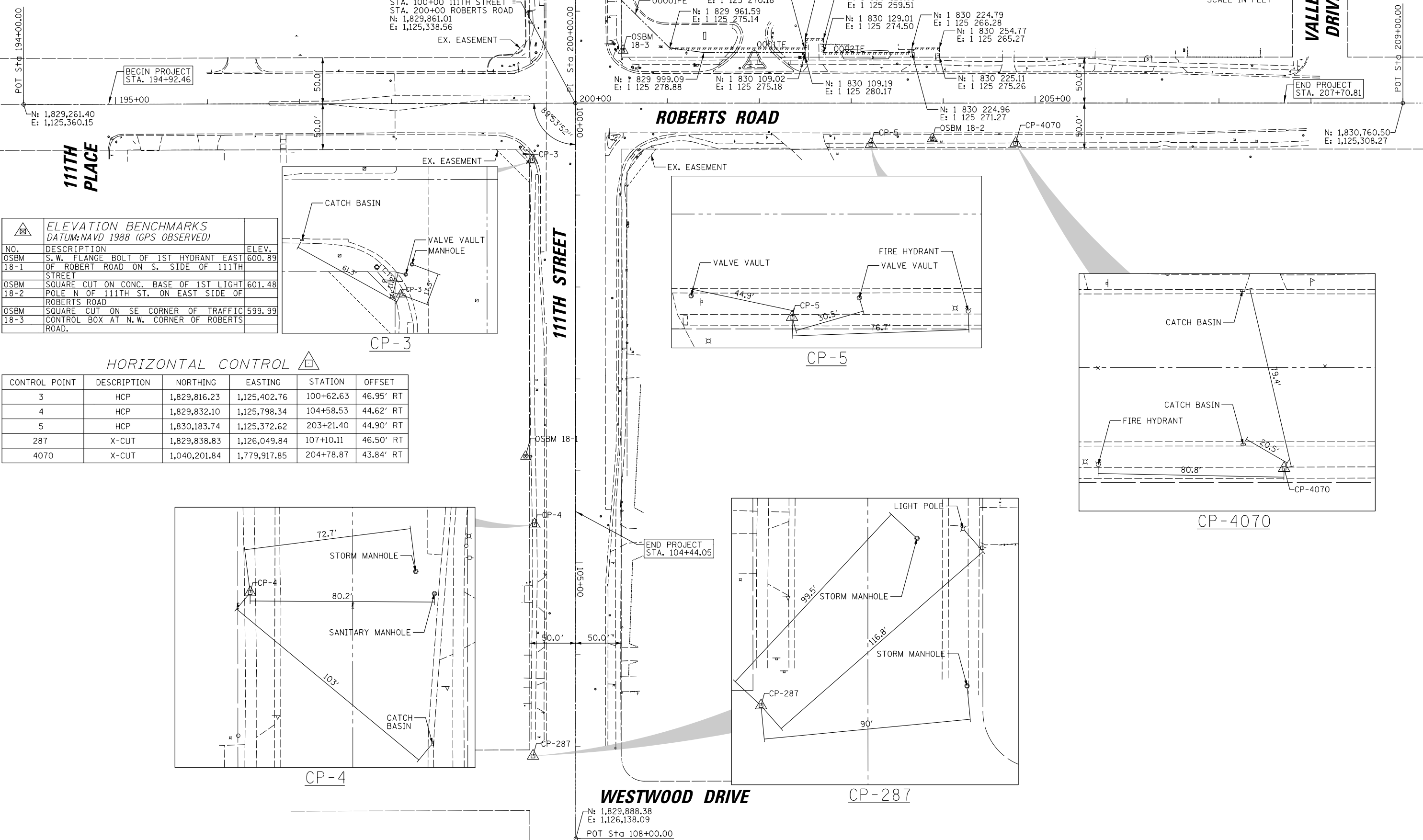
SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 91+00 TO STA. 98+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H55	

MATCH LINE STA. 98 + 50



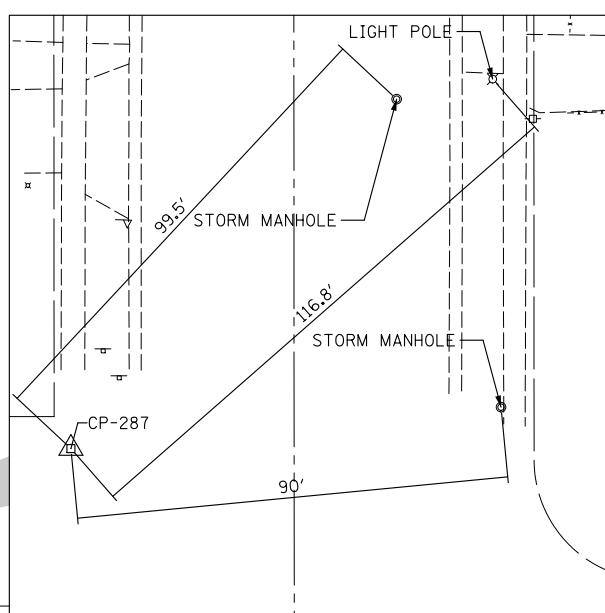
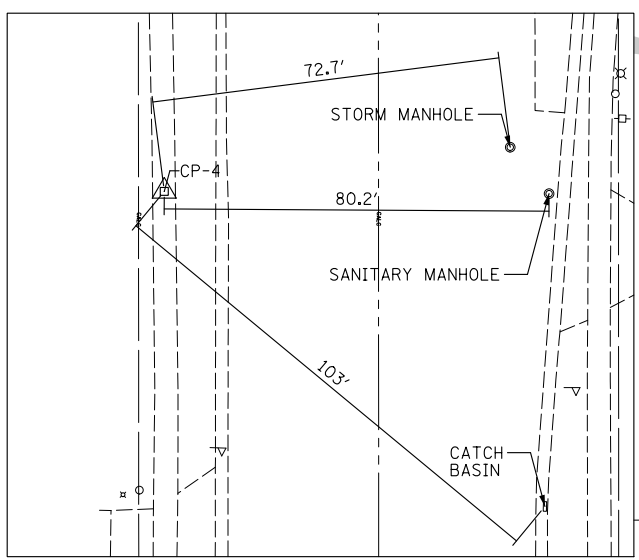
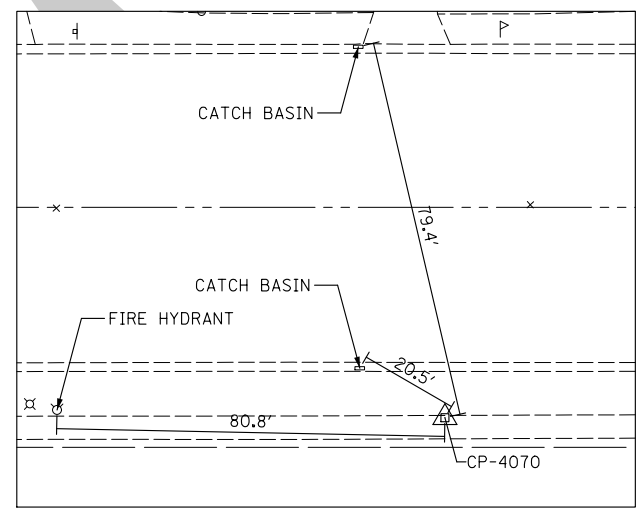
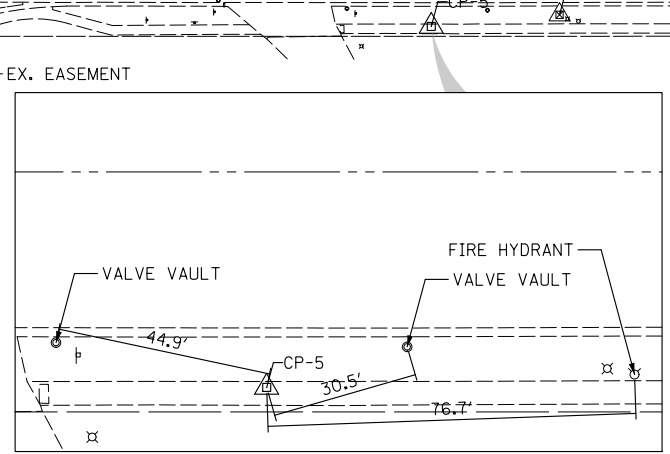
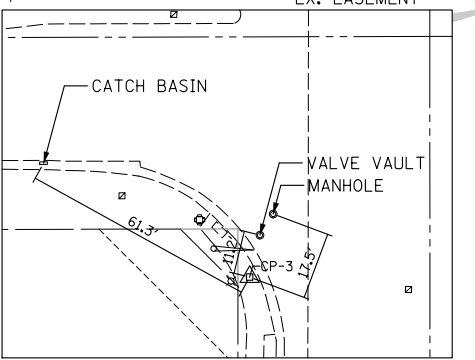
VALLEY DRIVE



NO.	DESCRIPTION	ELEV.
OSBM 18-1	S.W. FLANGE BOLT OF 1ST HYDRANT EAST OF ROBERT ROAD ON S. SIDE OF 111TH STREET	600.89
OSBM 18-2	SQUARE CUT ON CONC. BASE OF 1ST LIGHT POLE N OF 111TH ST. ON EAST SIDE OF ROBERTS ROAD	601.48
OSBM 18-3	SQUARE CUT ON SE CORNER OF TRAFFIC CONTROL BOX AT N.W. CORNER OF ROBERTS ROAD.	599.99

HORIZONTAL CONTROL

CONTROL POINT	DESCRIPTION	NORTHING	EASTING	STATION	OFFSET
3	HCP	1,829,816.23	1,125,402.76	100+62.63	46.95' RT
4	HCP	1,829,832.10	1,125,798.34	104+58.53	44.62' RT
5	HCP	1,830,183.74	1,125,372.62	203+21.40	44.90' RT
287	X-CUT	1,829,838.83	1,126,049.84	107+10.11	46.50' RT
4070	X-CUT	1,040,201.84	1,779,917.85	204+78.87	43.84' RT



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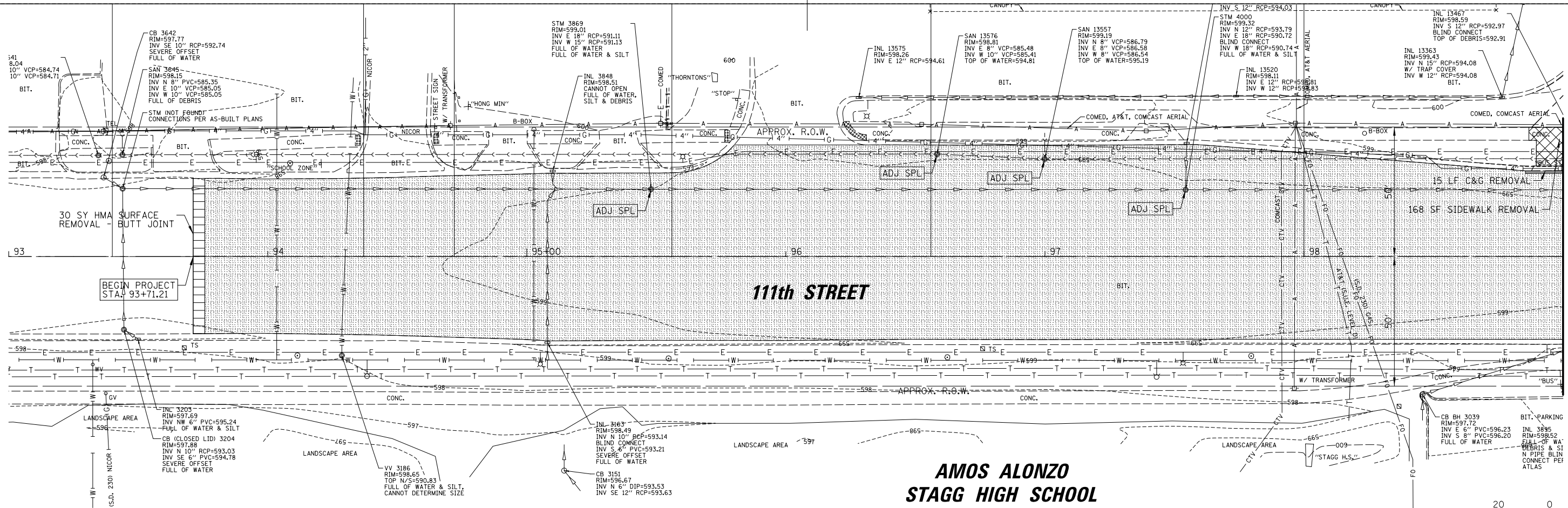
USER NAME = aschaefer	DESIGNED -	AJS	REVISED -
PLOT SCALE = 5/8"	DRAWN -	JRS	REVISED -
PLOT DATE = 4/3/2024	CHECKED -	BMW	REVISED -
	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

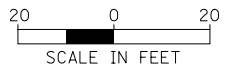
111TH STREET AND ROBERTS ROAD
ALIGNMENT, TIES, AND BENCHMARKS
SCALE: 1" = 50'
SHEET 2 OF 2 SHEETS
STA. 98+50 TO STA. 108+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	18
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				

N:\PALOSHILLS\210057\Civil\BKM_02_210057.sht



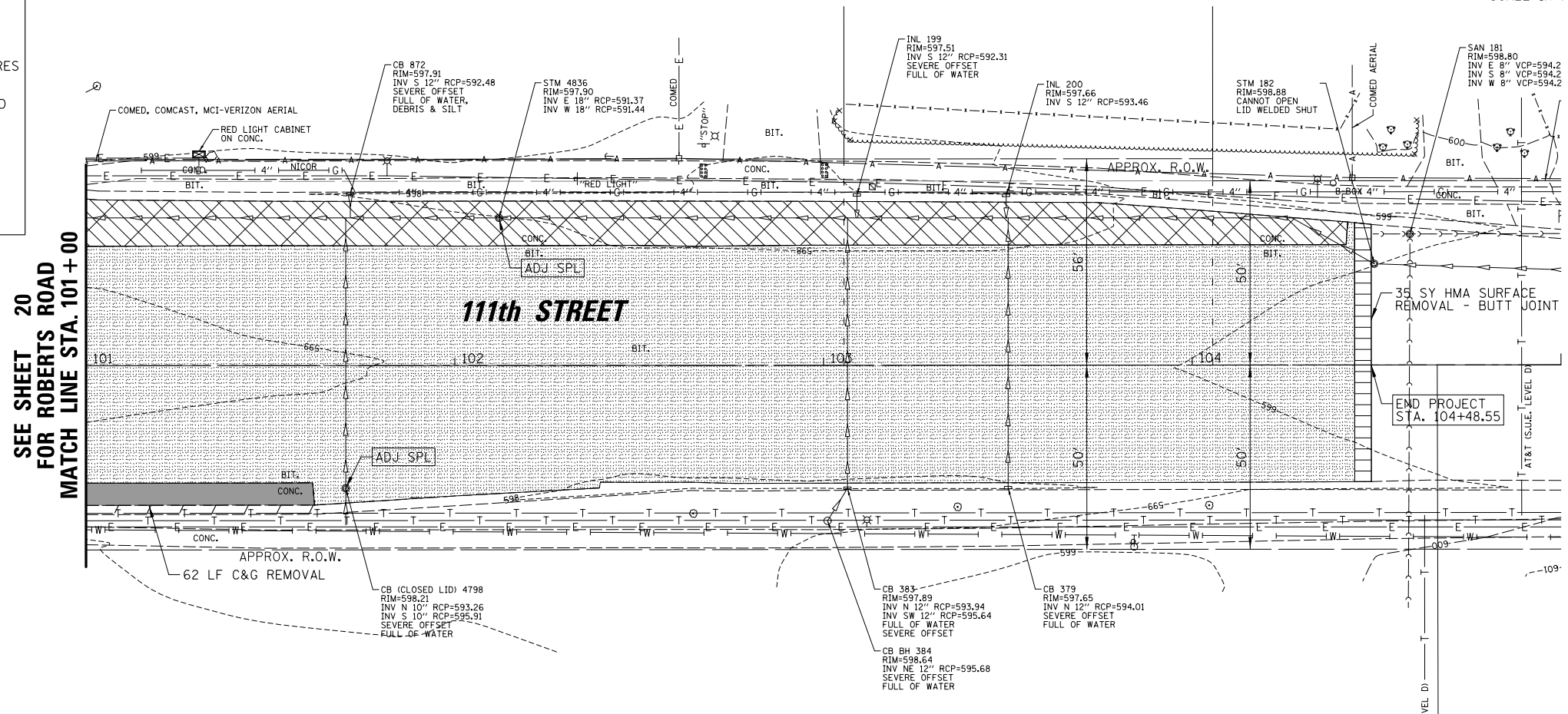
MATCH LINE STA. 99 + 00
SEE SHEET 20
FOR ROBERTS ROAD



LEGEND	
	PAVEMENT REMOVAL
	HMA SURFACE REMOVAL, 2"
	PCC SURFACE REMOVAL, 2"
	SIDEWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	CONCRETE MEDIAN REMOVAL
	COMBINATION CURB & GUTTER REMOVAL
	REMOVING EXISTING DRAINAGE & UTILITY STRUCTURES
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
	FIRE HYDRANTS TO BE REMOVED
	TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT-OF-WAY
	TREE TRUNK PROTECTION

NOTES:

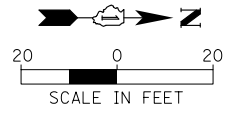
- EXISTING STREET SIGNS AND POSTS THE CONFLICT WITH PROPOSED CONSTRUCTION ACTIVITIES SHALL BE REMOVED TEMPORARILY STORED AND RE-ERECTED IN THE SAME GENERAL LOCATION IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. ANY SIGNS THAT ARE TO BE RELOCATED TO A NEW LOCATION WITHIN THE PROJECT LIMITS SHALL BE PAID FOR SEPARATELY AS RELOCATE SIGN PANEL AND POST.



SEE SHEET 20
FOR ROBERTS ROAD
MATCH LINE STA. 101 + 00

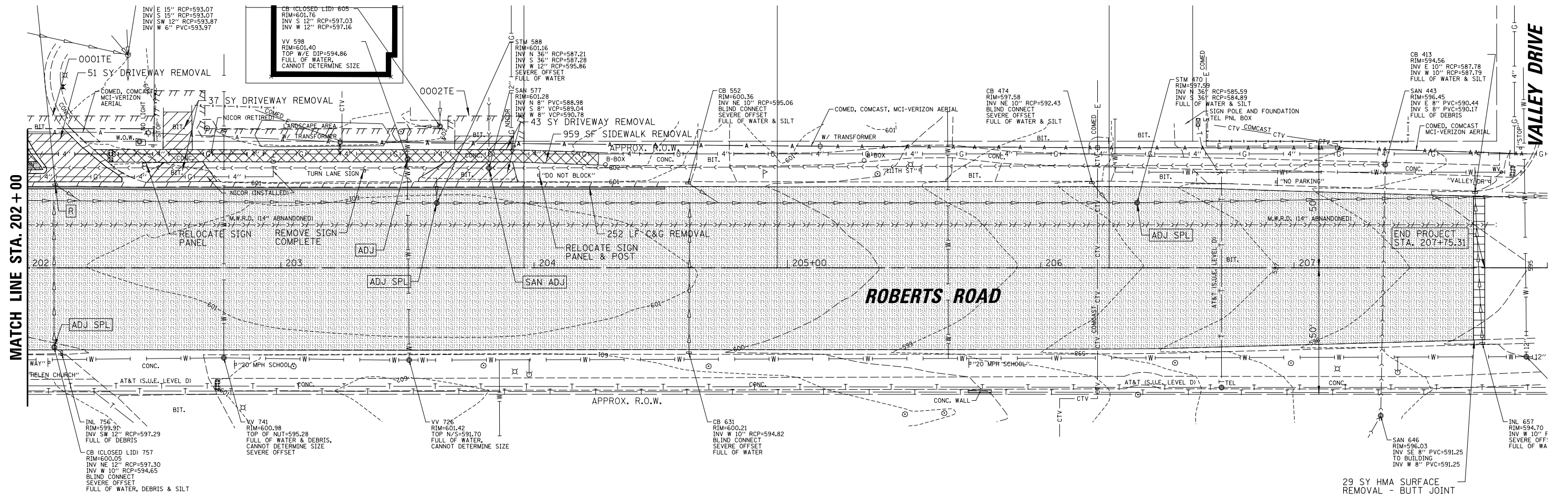
MATCH LINE STA. 105 + 00
SEE SHEET 21
FOR ROBERTS ROAD

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 771-2850</p>	USER NAME = aschaefer	DESIGNED - AJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	111TH STREET AND ROBERTS ROAD EXISTING CONDITIONS & REMOVAL PLAN			F.A.U. RTE. = 1581	SECTION = 17-00032-00-CH	COUNTY = COOK	TOTAL SHEETS = 112	SHEET NO. = 19
	PLOT SCALE = 20'	CHECKED - BMW	REVISED -		SCALE: 1" = 20'	SHEET 1	OF 3 SHEETS	STA. 93+00	TO STA. 105+00	CONTRACT NO. 61H55		
	PLOT DATE = 4/3/2024	DATE =	REVISED -		ILLINOIS FED. AID PROJECT							



LEGEND	
[Solid Grey]	PAVEMENT REMOVAL
[Diagonal Hatching]	HMA SURFACE REMOVAL, 2"
[Cross-hatching]	PCC SURFACE REMOVAL, 2"
[Diagonal Hatching]	SIDEWALK REMOVAL
[Diagonal Hatching]	DRIVEWAY PAVEMENT REMOVAL
[Diagonal Hatching]	CONCRETE MEDIAN REMOVAL
[Dashed Line]	COMBINATION CURB & GUTTER REMOVAL
[Box with R]	REMOVING EXISTING DRAINAGE & UTILITY STRUCTURES
[Box with ADJ SPL]	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
[Box with ADJ]	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
[Box with FHR]	FIRE HYDRANTS TO BE REMOVED
[Dashed Line]	TEMPORARY CONSTRUCTION EASEMENT
[Dashed Line]	PROPOSED RIGHT-OF-WAY
[Circle with X]	TREE TRUNK PROTECTION

NOTES:
 1. EXISTING STREET SIGNS AND POSTS THE CONFLICT WITH PROPOSED CONSTRUCTION ACTIVITIES SHALL BE REMOVED, TEMPORARILY STORED AND RE-ERECTED IN THE SAME GENERAL LOCATION IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. ANY SIGNS THAT ARE TO BE RELOCATED TO A NEW LOCATION WITHIN THE PROJECT LIMITS SHALL BE PAID FOR SEPARATELY AS RELOCATE SIGN PANEL AND POST.



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 156th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-9350

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 28'	DRAWN - JRS	REVISED -
PLOT DATE = 4/3/2024	CHECKED - BMW	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

111TH STREET AND ROBERTS ROAD
 EXISTING CONDITIONS & REMOVAL PLAN
 SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 202+00 TO STA. 208+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	21
			CONTRACT NO. 61H55	
ILLINOIS FED. AID PROJECT				

N:\PALOSHILLS\210057\Civil\REM_Roberts.210057_03.sht

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	CARD	
	FILE	
	NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATION	
	CHD	
	NO.	

LEGEND

	PAVEMENT RECON./WIDENING (SEE TYP. SECTIONS)		HMA DRIVEWAY PAVEMENT, 4"
	HMA RESURFACING		DETECTABLE WARNINGS
	PCC SIDEWALK, 5"		COMB. CONC. CURB & GUTTER
	PCC SIDEWALK, 8"		TEMPORARY CONSTRUCTION EASEMENT
	PCC DRIVEWAY PAVEMENT, 8"		PROPOSED RIGHT-OF-WAY
			×600.77 PROPOSED SIDEWALK ELEV.

SCALE IN FEET
20 0 20

APPROX. R (TYP.)

PR. R.O.W. (0001)

66 SF PCC SIDEWALK, 5"

15 LF C&G (TY. B-6.24)

2 SY PCC BASE COURSE WIDENING

98+85.45
33.09' LT

THORNTONS

COMED, AT&T, COMCAST AERIAL

APPROX. R.O.W.

95+80.05
43.10' LT

96+30.81
43.10' LT

111th STREET

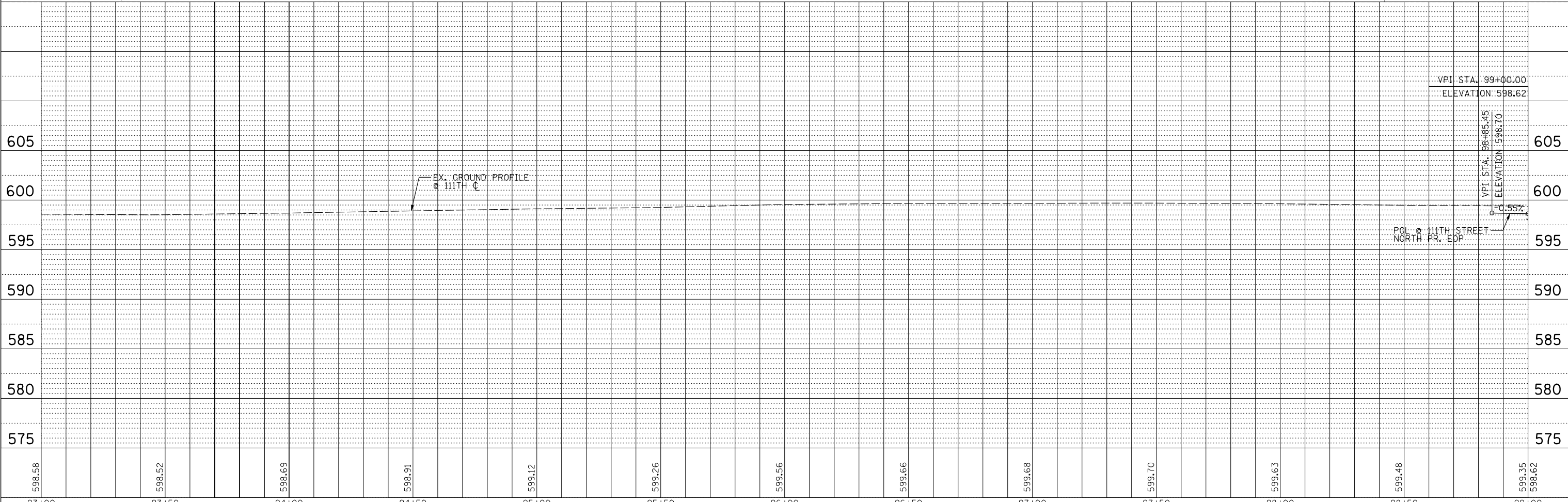
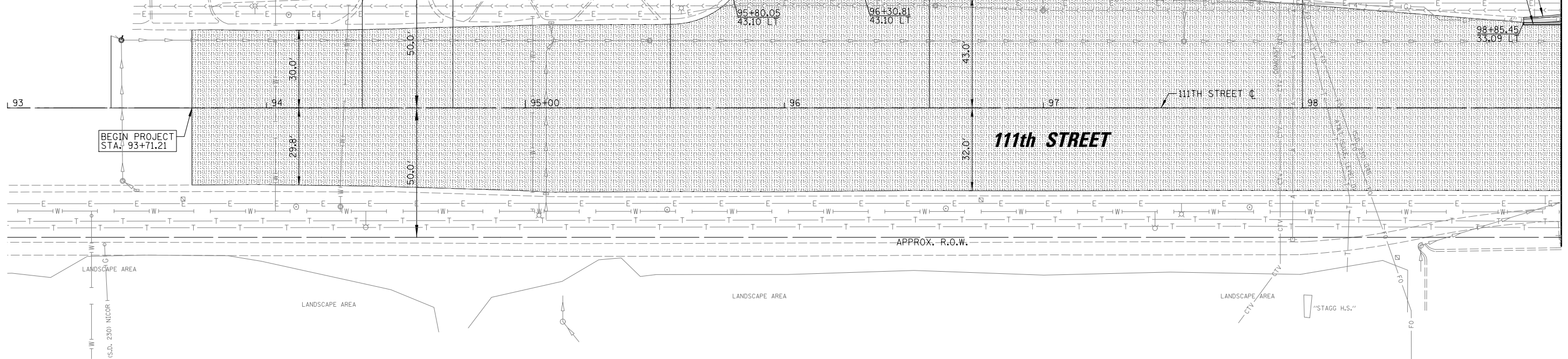
LANDSCAPE AREA

"STAGG H.S."

CTV

FO

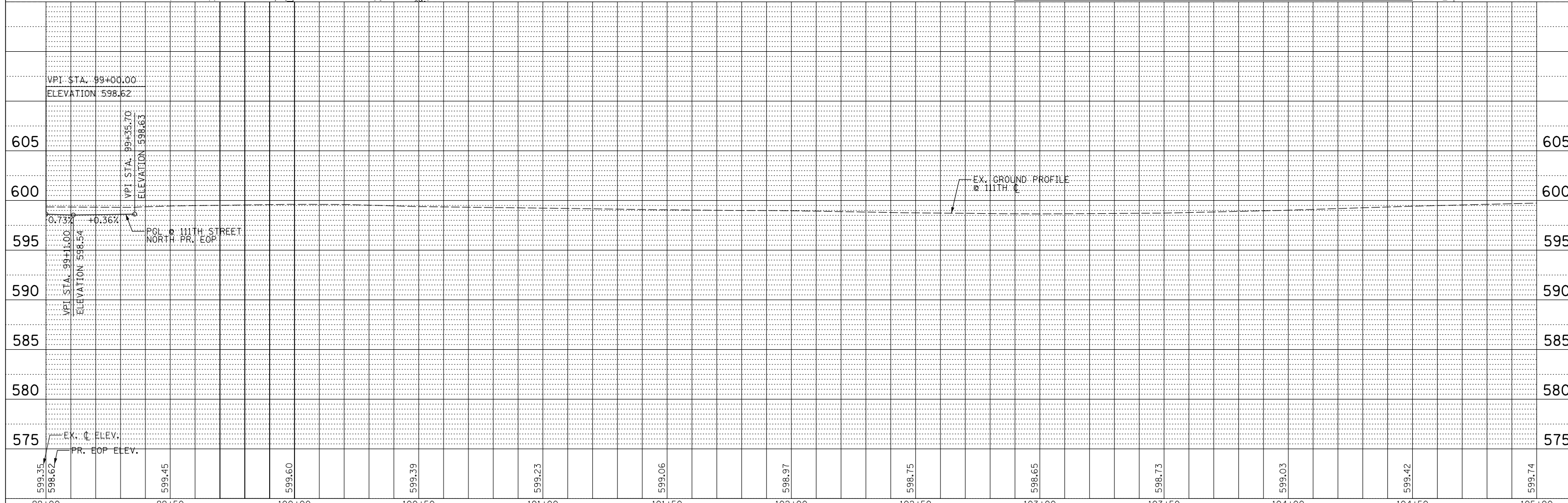
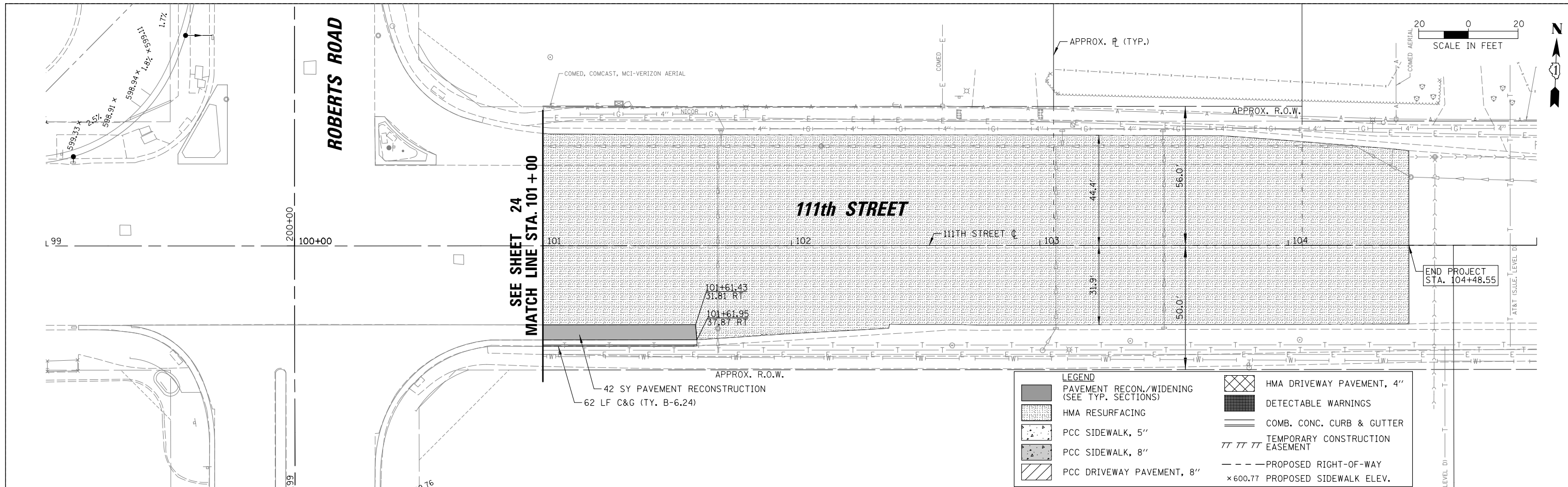
APPROX. R.O.W.



93+00	93+50	94+00	94+50	95+00	95+50	96+00	96+50	97+00	97+50	98+00	98+50	99+00		
598.58	598.52	598.69	598.91	599.12	599.26	599.56	599.66	599.68	599.70	599.63	599.48	599.35 598.62		
USER NAME = aschaefer			DESIGNED - AJS	REVISED -	DRAWN - JRS			REVISED -	PLOT SCALE = 28'			DATE = 4/3/2024		
CHECKED - BMW			REVISED -	DATE -			REVISED -	F.A.U. RTE. 1581			SECTION 17-00032-00-CH	COUNTY COOK	TOTAL SHEETS 112	SHEET NO. 22
DATE = 4/3/2024			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			111th STREET AND ROBERTS ROAD ROADWAY PLAN AND PROFILE			SCALE: 1" = 20'			SHEET 1 OF 4 SHEETS	STA. 93+00 TO STA. 99+00	CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT														

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ATTEMPTED		
	CARD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ATTEMPTED		
	STRUCTURE		
	NOTATION CHD		
	NO.		

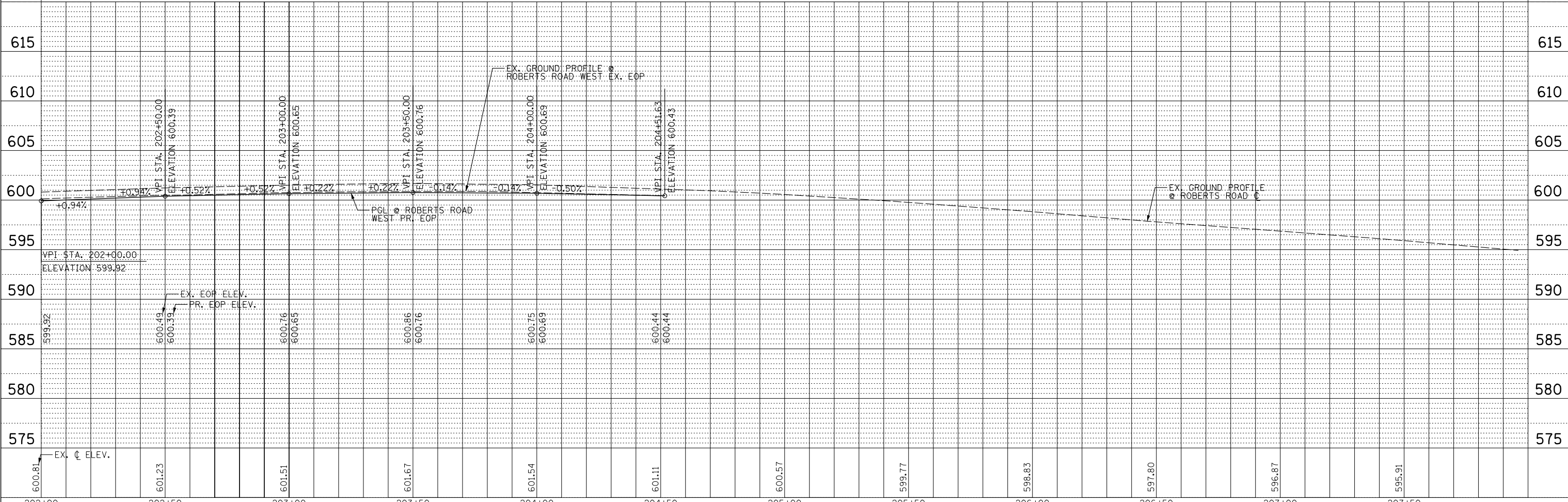
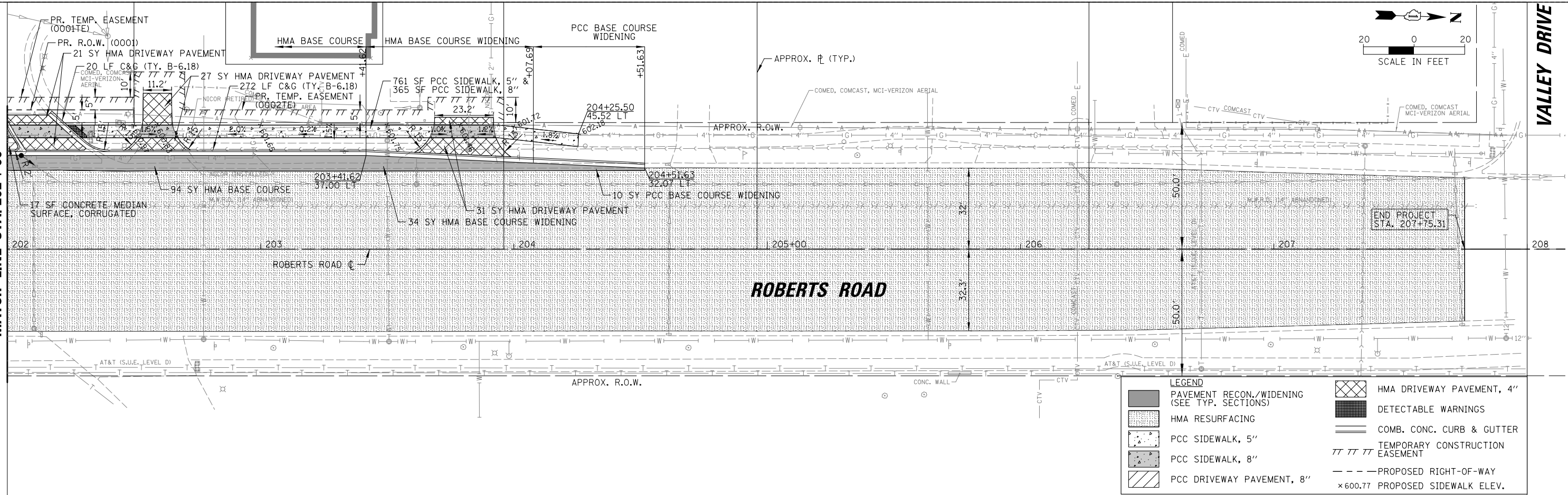


99+00	99+50	100+00	100+50	101+00	101+50	102+00	102+50	103+00	103+50	104+00	104+50	105+00
599.35	599.45	599.60	599.39	599.23	599.06	598.97	598.75	598.65	598.73	599.03	599.42	599.74

PLAN	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	ALIGNED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHWD		
	NO.		

MATCH LINE STA. 202+00



CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850	USER NAME = aschaefer	DESIGNED - AJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	11TH STREET AND ROBERTS ROAD ROADWAY PLAN AND PROFILE		F.A.U. RTE. 1581	SECTION 17-00032-00-CH	COUNTY COOK	TOTAL SHEETS 112	SHEET NO. 25
	PLOT SCALE = 28'	CHECKED - BMW	REVISED -		SCALE: 1" = 20'	SHEET 4 OF 4 SHEETS	STA. 202+00 TO STA. 208+00	CONTRACT NO. 61H55		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 4/3/2024	DATE	REVISED -								

GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY NICK OEFFLING AT THE CITY OF PALOS HILLS AT 708-598-3400 AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR WILL COORDINATE THE INSTALLATION OF ALL PERMANENT TRAFFIC SIGNAL EQUIPMENT AND APPURTENANCES PER STAGE.
- ROADWORK REQUIRING A CLOSURE OF A LANE (IN ADDITION TO THE STAGING SHOWN IN THE PLANS), WHICH HAS BEEN OPENED PREVIOUSLY TO TRAFFIC, WILL BE ALLOWED AT THE DISCRETION OF THE ENGINEER AND UNDER THE FOLLOWING CONDITIONS:
 - THE LANE CLOSURE SHALL ONLY BE IN EFFECT WHILE WORKERS ARE PRESENT IN OR WITHIN TWO (2) FEET OF TRAFFIC.
 - THE CLOSED LANE WILL BE OPENED TO TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISION FOR "KEEPING ARTERIAL ROADS OPEN TO TRAFFIC (LANE CLOSURES ONLY)".
 - ALL TRAFFIC CONTROL DEVICES PERTAINING TO THE LANE CLOSURE SHALL BE REMOVED FROM THE ROADWAY AT THE END OF THE WORKDAY.
 - LANE CLOSURES SHALL BE IN ACCORDANCE WITH IDOT STANDARDS 701101, 701427, 701602, 701606, 701701 AND 701801 AND AS DIRECTED BY THE ENGINEER.
- ALL AREAS UNDERCUT FOR AGGREGATE SUBGRADE IMPROVEMENT SHALL NOT BE LEFT UNFILLED OVERNIGHT. DROP-OFFS GREATER THAN 24 INCHES SHALL NOT BE LEFT UNFILLED OVERNIGHT.
- DRIVEWAY ACCESS AND ACCESS TO SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)" AND "TEMPORARY ACCESS (ROAD)". DRIVEWAYS AND SIDE ROADS SHALL BE CONSTRUCTED IN STAGES, ONE HALF AT A TIME (AS NECESSARY).
- UTILITY TRENCHES SHALL BE COVERED OR FILLED AT THE END OF EACH DAY.
- SEE TRAFFIC SIGNAL PLANS FOR PLACEMENT OF TEMPORARY TRAFFIC SIGNAL HEADS DURING STAGED CONSTRUCTION.
- SPACING OF TYPE II BARRICADES OR DRUMS SHALL BE AS FOLLOWS: 50' C-C ON TANGENTS, 20' C-C IN TAPERS/SHIFTS, 12' C-C AROUND RADII.
- ALL SIGNAGE TO BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). MAINTENANCE OF TRAFFIC SHOWN IS THE MINIMUM REQUIRED; THE CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL MEASURES AS DIRECTED BY RESIDENT ENGINEER.
- TEMPORARY INFORMATION SIGNING SHALL BE PLACED AT ALL COMMERCIAL DRIVEWAY ENTRANCES THAT ARE OPEN TO TRAFFIC WITHIN THE ACTIVE WORK ZONE IN ACCORDANCE WITH DISTRICT 1 STANDARD TC-26. THESE SIGNS SHALL BE REMOVED IF THE ENTRANCE IS UNDER CONSTRUCTION AND ACCESS IS TEMPORARILY RESTRICTED.
- THE HMA SURFACE COURSE SHALL NOT BE PLACED UNTIL AFTER STAGE 2. TRAFFIC CONTROL AND PROTECTION FOR THIS WORK SHALL BE PER IDOT STANDARDS 701502, 701606 AND 701701.
- SEE HIGHWAY STANDARDS AND DISTRICT ONE DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.

CONSTRUCTION STAGING

PRE-STAGE – TEMPORARY SIGNALS AND TEMPORARY PAVEMENT MARKING

- INSTALL TEMPORARY TRAFFIC SIGNALS.
- REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT AFTER TEMPORARY SIGNALS HAVE BEEN ACCEPTED BY IDOT AND THE ENGINEER.
- LANE CLOSURES FOR THE WORK DESCRIBED ABOVE SHALL BE IN ACCORDANCE WITH IDOT STANDARDS 701101, 701427, 701602, 701606, 701701 AND 701801 AND AS DIRECTED BY THE ENGINEER. ARROW BOARDS SHALL BE REQUIRED FOR LANE CLOSURES FOR TEMPORARY PAVEMENT INSTALLATION.
- PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL AS SHOWN ON THE STAGE 1 MAINTENANCE OF TRAFFIC PLANS. ANY EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE STAGE 1 PAVEMENT MARKINGS SHALL BE REMOVED.

STAGE 1 – WIDEN THE WEST SIDE OF ROBERTS ROAD NORTH OF 111TH STREET AND RECONSTRUCT THE CENTER LANES OF ROBERTS ROAD SOUTH OF 111TH STREET

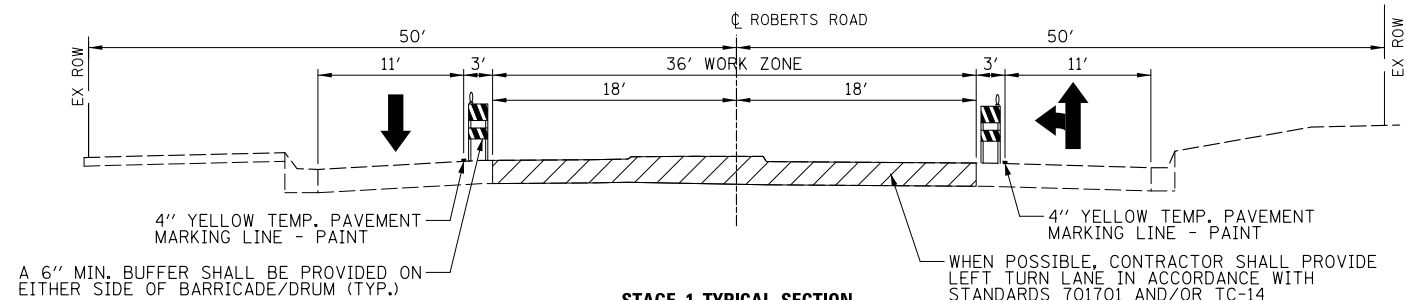
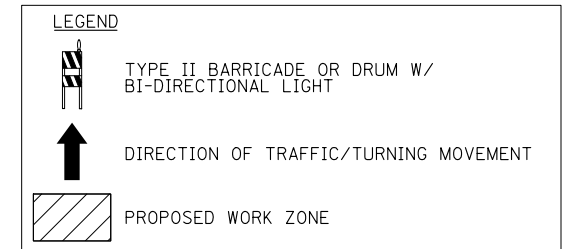
- PROVIDE PEDESTRIAN ACCESS ROUTE THROUGH PROJECT LIMITS USING EXISTING SIDEWALK ON EAST SIDE OF ROBERTS ROAD NORTH OF 111TH STREET AND THE EXISTING SIDEWALK ON THE SOUTH SIDE OF 111TH STREET. CONTRACTOR SHALL MAINTAIN PEDESTRIAN TRAFFIC AT THE INTERSECTION OF ROBERTS ROAD AND 111TH STREET IN ACCORDANCE WITH THE SUPPLEMENTAL STAGING BELOW:
 - STAGE 1A** – CONTRACTOR SHALL CLOSE NORTHWEST CORNER AND PROVIDE CROSSWALKS BETWEEN THE SOUTHWEST, SOUTHEAST AND NORTHEAST CORNERS.
 - STAGE 1B** – CONTRACTOR CLOSE/REMOVE THE CROSSWALK BETWEEN SOUTHWEST AND SOUTHEAST CORNERS AND PROVIDE CROSSWALKS BETWEEN THE SOUTHEAST, NORTHWEST, NORTHEAST AND SOUTHWEST CORNERS.
- PLACE AND MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES AS PER THE PLANS AND AS DIRECTED BY THE ENGINEER.
- COMPLETE ALL REMOVAL ITEMS, EXCAVATION, CURB AND GUTTER INSTALLATION, SIDEWALK INSTALLATION, DRIVEWAY PAVEMENT INSTALLATION AND ALL OTHER ITEMS SHOWN ON THE PLANS EXCEPT PAVING AND LANDSCAPE RESTORATION WORK WITHIN THE DESIGNATED WORK ZONE.
- PLACE BINDER/BASE COURSE IN PROPOSED PAVEMENT RECONSTRUCTION/WIDENING LOCATIONS.
- COMPLETE HMA SURFACE REMOVAL AND PLACE POLYMERIZED BINDER COURSE WITHIN THE WORK ZONE.
- COMPLETE LANDSCAPING.
- PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL AS SHOWN ON THE STAGE 2 MAINTENANCE OF TRAFFIC PLANS. ANY EXISTING OR TEMPORARY PAVEMENT MARKINGS REMAINING FROM STAGE 1 IN CONFLICT WITH STAGE 2 PAVEMENT MARKINGS SHALL BE REMOVED.

STAGE 2 – RECONSTRUCT OUTSIDE LANES OF ROBERTS ROAD SOUTH OF 111TH STREET AND RECONSTRUCT ADA SIDEWALK RAMP AND MEDIAN ISLAND AT NORTHEAST CORNER OF ROBERTS ROAD AND 111TH STREET

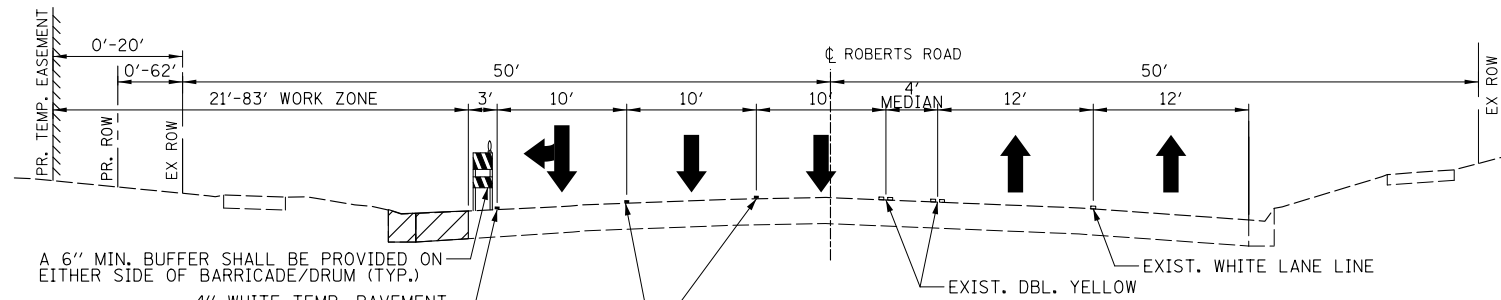
- RELOCATE TEMPORARY TRAFFIC SIGNAL HEADS, AND RELOCATE TRAFFIC AS SHOWN ON THE STAGE 2 MAINTENANCE OF TRAFFIC SHEETS.
- PROVIDE PEDESTRIAN ACCESS ROUTE THROUGH PROJECT LIMITS USING EXISTING AND COMPLETED SIDEWALK ON WEST SIDE OF ROBERTS ROAD NORTH OF 111TH STREET AND THE EXISTING AND COMPLETED SIDEWALK ON THE NORTH SIDE OF 111TH STREET. CONTRACTOR SHALL MAINTAIN PEDESTRIAN TRAFFIC AT THE INTERSECTION OF ROBERTS ROAD AND 111TH STREET IN ACCORDANCE WITH THE SUPPLEMENTAL STAGING BELOW:
 - STAGE 2A** – CONTRACTOR SHALL CLOSE SOUTHWEST CORNER AND PROVIDE CROSSWALKS BETWEEN THE SOUTHEAST, NORTHEAST AND NORTHWEST CORNERS.
 - STAGE 2B** – CONTRACTOR SHALL CLOSE NORTHEAST CORNER AND PROVIDE CROSSWALKS BETWEEN THE SOUTHEAST, SOUTHWEST AND NORTHWEST CORNERS.
 - STAGE 2C** – CONTRACTOR SHALL CLOSE SOUTHEAST CORNER AND PROVIDE CROSSWALKS BETWEEN THE SOUTHWEST, NORTHWEST AND NORTHEAST CORNERS.
- PLACE AND MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES AS PER THE PLANS AND AS DIRECTED BY THE ENGINEER.
- COMPLETE ALL REMOVAL ITEMS, EXCAVATION, CURB AND GUTTER INSTALLATION, SIDEWALK INSTALLATION, DRIVEWAY PAVEMENT INSTALLATION AND ALL OTHER ITEMS SHOWN ON THE PLANS EXCEPT PAVING AND LANDSCAPE RESTORATION WORK WITHIN THE DESIGNATED WORK ZONE.
- PLACE BINDER/BASE COURSE IN PROPOSED FULL DEPTH PAVEMENT LOCATIONS.
- COMPLETE HMA SURFACE REMOVAL AND PLACE POLYMERIZED BINDER COURSE WITHIN THE WORK ZONE.
- COMPLETE LANDSCAPING.
- UPON COMPLETION, PLACE ANY REQUIRED TEMPORARY OR SHORT-TERM PAVEMENT MARKINGS FOR REMAINING WORK. ANY EXISTING OR TEMPORARY PAVEMENT MARKINGS REMAINING FROM STAGE 3 IN CONFLICT WITH STAGE 4 PAVEMENT MARKINGS SHALL BE REMOVED.

STAGE 3 – PLACEMENT OF FINAL SURFACE

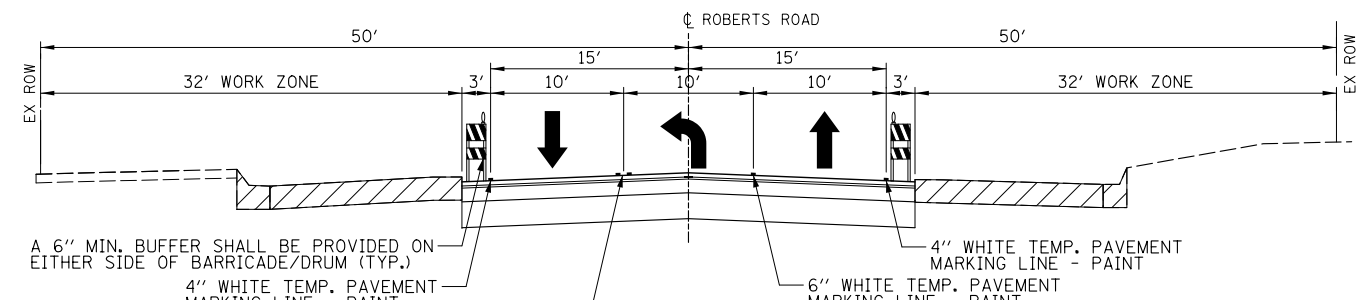
- COMPLETE ANY REMAINING HMA SURFACE REMOVAL AND CLEAN (SWEEP) PRIOR TO PLACING POLYMERIZED BINDER COURSE AND SURFACE COURSE.
- PLACE ANY REMAINING POLYMERIZED BINDER COURSE AND ALL HMA SURFACE COURSE.
- PLACE FINAL PAVEMENT MARKINGS.
- COMPLETE ANY REMAINING PUNCH LIST ITEMS.
- UPON APPROVAL FROM THE ENGINEER, REMOVE ALL TEMPORARY EROSION CONTROL ITEMS.



STAGE 1 TYPICAL SECTION
ROBERTS ROAD (SOUTH OF 111TH STREET)
STA. 196+60 TO STA. 199+68



STAGE 1 TYPICAL SECTION
ROBERTS ROAD (NORTH OF 111TH STREET)
STA. 200+33 TO STA. 204+52



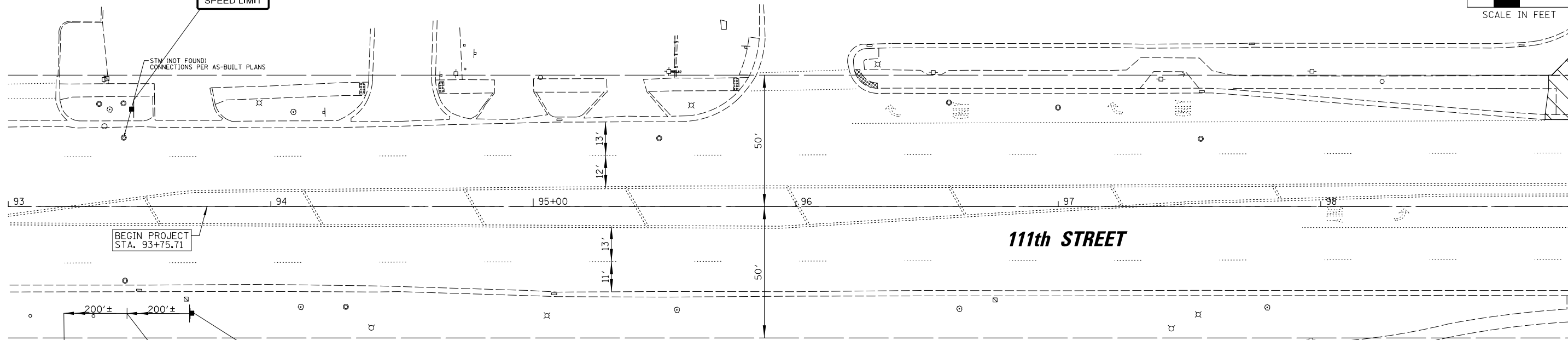
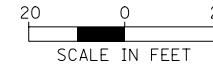
STAGE 2 TYPICAL SECTION
ROBERTS ROAD (SOUTH OF 111TH STREET)
STA. 196+60 TO STA. 199+68

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-9950</p>	USER NAME = aschaefer	DESIGNED - AJS	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>111TH STREET AND ROBERTS ROAD MAINTENANCE OF TRAFFIC GENERAL NOTES, CONSTRUCTION STAGING AND TYPICAL SECTIONS</p>			F.A.U. RTE. 1581	SECTION 17-00032-00-CH	COUNTY COOK	TOTAL SHEETS 112	SHEET NO. 26
	PLOT SCALE = N.T.S.	CHECKED - BMW	REVISED -		REVISED -	SCALE: N.T.S.	SHEET 1	OF 5 SHEETS	STA. TO STA.	CONTRACT NO. 61H55 ILLINOIS FED. AID PROJECT		
PLOT DATE = 4/3/2024	DATE -	REVISED -	REVISED -		N:\PALOSHILLS\210057\Civ11\MOT_01_210057.sht							

G20-I 103 - 3660

END WORK ZONE SPEED LIMIT

STM (NOT FOUND) CONNECTIONS PER AS-BUILT PLANS



BEGIN PROJECT STA. 93+75.71

111th STREET

MATCH LINE STA. 99 + 00
SEE SHEET 28
FOR ROBERTS ROAD

200'± 200'±



LANDSCAPE AREA

WORK ZONE SPEED LIMIT 35

R2-1-3648

PHOTO ENFORCED R10-1108P-3618

S250 FINE MINIMUM R2-1106-3618

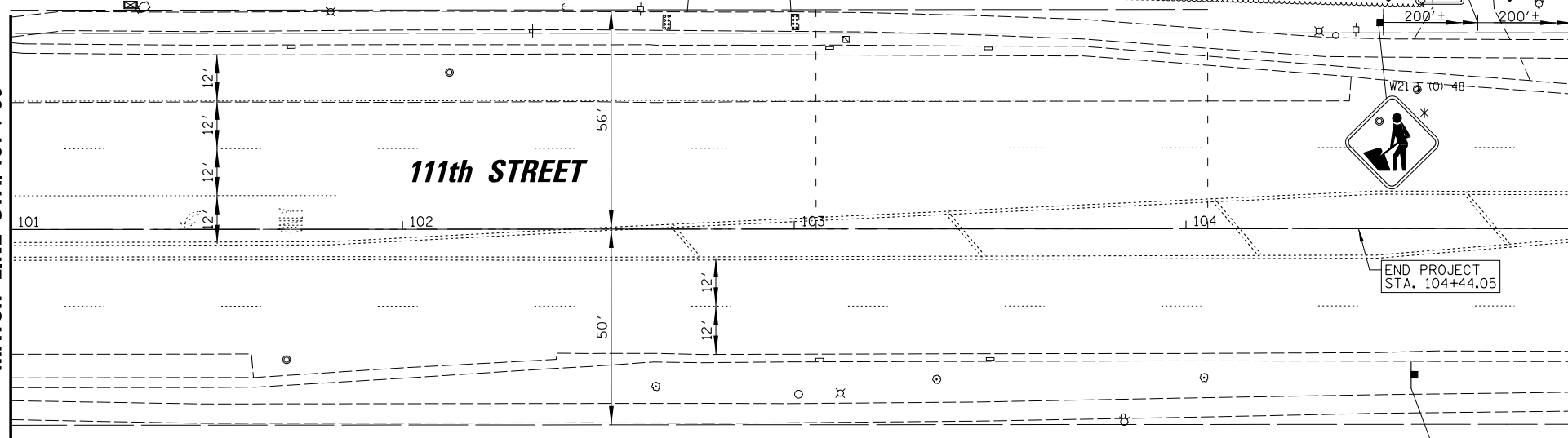


* ONLY WHEN WORKERS ARE PRESENT

LANDSCAPE AREA

LANDSCAPE AREA

SEE SHEET 28
FOR ROBERTS ROAD
MATCH LINE STA. 101 + 00



111th STREET

END PROJECT STA. 104+44.05

END WORK ZONE SPEED LIMIT
G20-I 103 - 3660

LEGEND

- 1 PAVEMENT MARKING 4" (DOUBLE YELLOW)
- 2 PAVEMENT MARKING 6" (WHITE)
- 3 PAVEMENT MARKING 6", 2' DASH 6' SKIP (WHITE)
- 4 PAVEMENT MARKING 12" (WHITE)
- 5 PAVEMENT MARKING - LETTERS AND SYMBOLS
- 6 PAVEMENT MARKING 24" (WHITE)
- 7 PAVEMENT MARKING 12", DIAGONAL (YELLOW)
- 8 PAVEMENT MARKING 4" (WHITE)
- 9 PAVEMENT MARKING, 8", 3' DASH 9' SKIP (WHITE)
- 10 PAVEMENT MARKING 4" (YELLOW)
- 11 PAVEMENT MARKING 8" (WHITE)
- WORK ZONE
- TYPE II BARRICADE OR DRUM W/BIDIRECTIONAL LIGHT
- TYPE III BARRICADE W/ LIGHTS
- WORK ZONE SIGN
- TRAFFIC FLOW
- ARROW BOARD

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Lockport, Illinois 60441
(815) 770-2850

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 28'	DRAWN - JRS	REVISED -
PLOT DATE = 4/3/2024	CHECKED - BMW	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

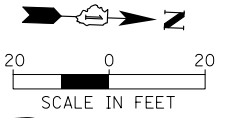
111TH STREET AND ROBERTS ROAD
MAINTENANCE OF TRAFFIC - STAGE 1

SCALE: 1" = 20' SHEET 2 OF 5 SHEETS STA. 93+00 TO STA. 105+00

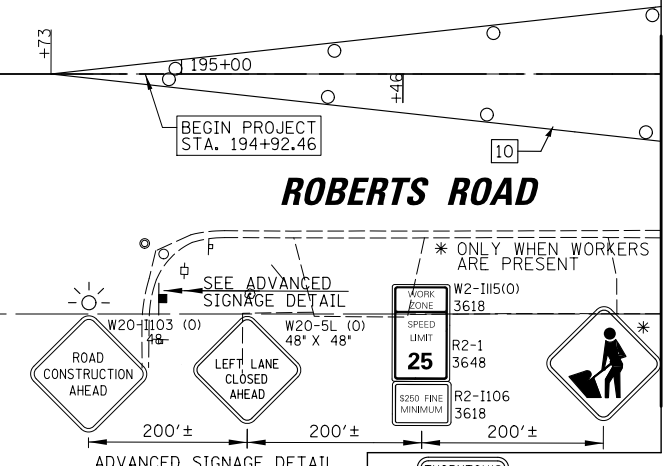
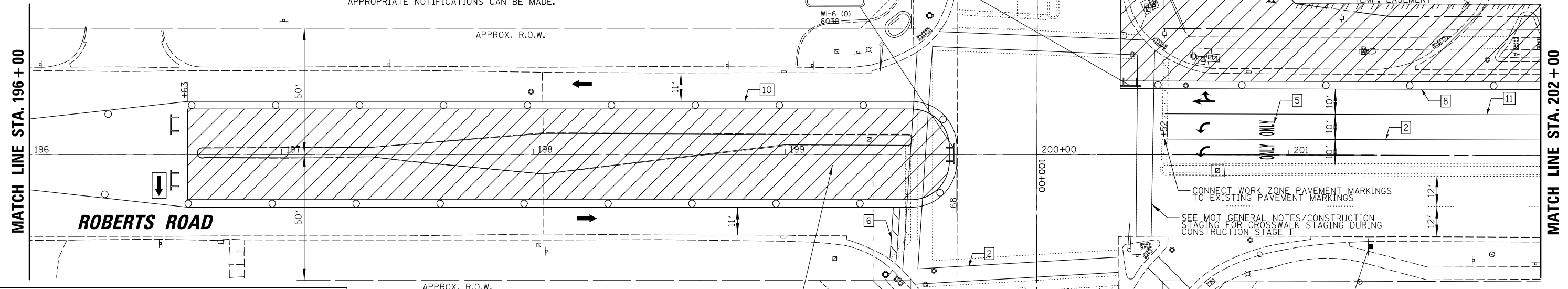
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	27
CONTRACT NO. 61H55				

ILLINOIS FED. AID PROJECT

SEE SHEET 27
MATCH LINE STA. 99 + 00

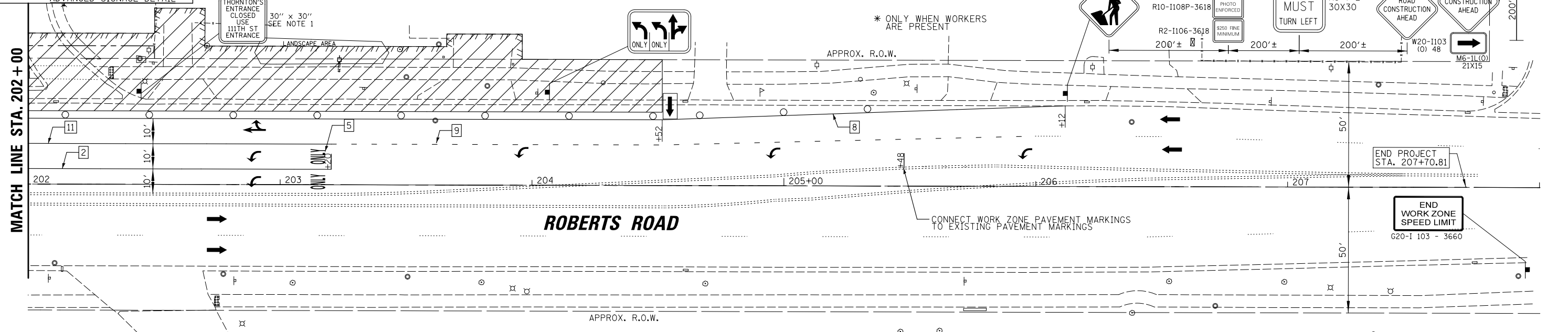


NOTES:
1. THE CONTRACTOR SHALL LIMIT THE CLOSURE OF THE THORNTON'S DRIVEWAY ON ROBERTS ROAD TO A MAXIMUM OF 20 CALENDAR DAYS ACROSS THE DURATION OF THE PROJECT. NO LESS THAN 30 DAYS BEFORE THE THORNTON'S DRIVEWAY CLOSURE IS TO BEGIN, THE CONTRACTOR SHALL PROVIDE THE RESIDENT ENGINEER WITH A CONSTRUCTION SCHEDULE IDENTIFYING THE START DATE AND COMPLETION DATE OF THE CLOSURE SO THAT THE APPROPRIATE NOTIFICATIONS CAN BE MADE.



LEGEND

1	PAVEMENT MARKING 4" (DOUBLE YELLOW)	10	PAVEMENT MARKING 4" (YELLOW)
2	PAVEMENT MARKING 6" (WHITE)	11	PAVEMENT MARKING 8" (WHITE)
3	PAVEMENT MARKING 6", 2' DASH 6' SKIP (WHITE)	[Hatched Box]	WORK ZONE
4	PAVEMENT MARKING 12" (WHITE)	[Circle]	TYPE II BARRICADE OR DRUM W/BI-DIRECTIONAL LIGHT
5	PAVEMENT MARKING - LETTERS AND SYMBOLS	[Circle]	TYPE III BARRICADE W/ LIGHTS
6	PAVEMENT MARKING 24" (WHITE)	[Arrow]	WORK ZONE SIGN
7	PAVEMENT MARKING 12", DIAGONAL (YELLOW)	[Arrow]	TRAFFIC FLOW
8	PAVEMENT MARKING 4" (WHITE)	[Arrow]	ARROW BOARD
9	PAVEMENT MARKING, 8", 3' DASH 9' SKIP (WHITE)		



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16221 W. 156th Street, Suite 201
Lockport, Illinois 60441
(815) 771-0950

USER NAME = aschaefer
PLOT SCALE = 28'
PLOT DATE = 4/3/2024

DESIGNED - AJS
DRAWN - JRS
CHECKED - BMW
DATE -

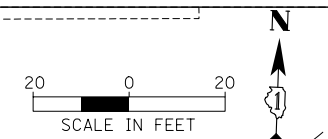
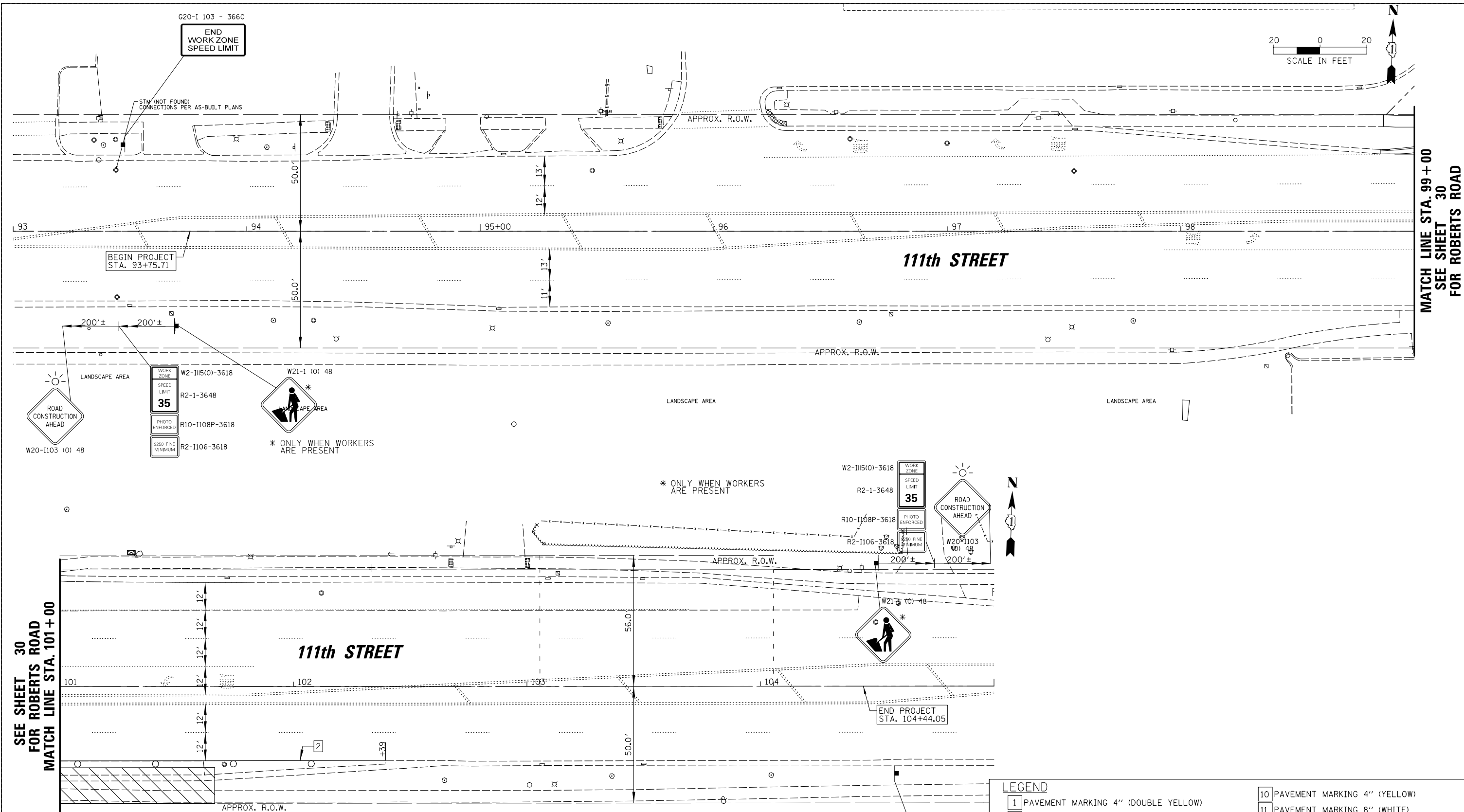
REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

111TH STREET AND ROBERTS ROAD
MAINTENANCE OF TRAFFIC - STAGE 1

SCALE: 1" = 20' SHEET 3 OF 5 SHEETS STA. 195+00 TO STA. 207+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	28
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				



LEGEND

1	PAVEMENT MARKING 4" (DOUBLE YELLOW)	10	PAVEMENT MARKING 4" (YELLOW)
2	PAVEMENT MARKING 6" (WHITE)	11	PAVEMENT MARKING 8" (WHITE)
3	PAVEMENT MARKING 6", 2' DASH 6' SKIP (WHITE)	[Hatched Box]	WORK ZONE
4	PAVEMENT MARKING 12" (WHITE)	○	○ TYPE II BARRICADE OR DRUM W/BI-DIRECTIONAL LIGHT
5	PAVEMENT MARKING - LETTERS AND SYMBOLS	⊕	○ TYPE III BARRICADE W/ LIGHTS
6	PAVEMENT MARKING 24" (WHITE)	[Sign]	WORK ZONE SIGN
7	PAVEMENT MARKING 12", DIAGONAL (YELLOW)	[Arrow]	TRAFFIC FLOW
8	PAVEMENT MARKING 4" (WHITE)	[Arrow]	ARROW BOARD
9	PAVEMENT MARKING, 8", 3' DASH 9' SKIP (WHITE)		

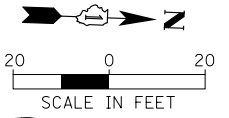
<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-3950</p>	USER NAME = aschaefer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 28'	DRAWN - JRS	REVISED -
	PLOT DATE = 4/3/2024	CHECKED - BMW	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

111TH STREET AND ROBERTS ROAD MAINTENANCE OF TRAFFIC - STAGE 2			
SCALE: 1" = 20'	SHEET 4	OF 5 SHEETS	STA. 93+00 TO STA. 105+00

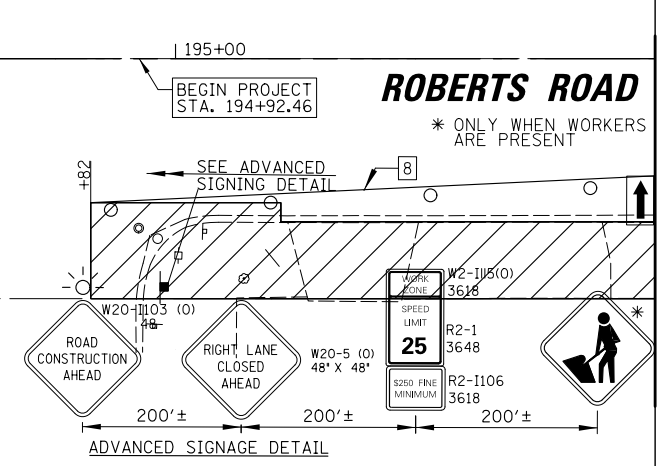
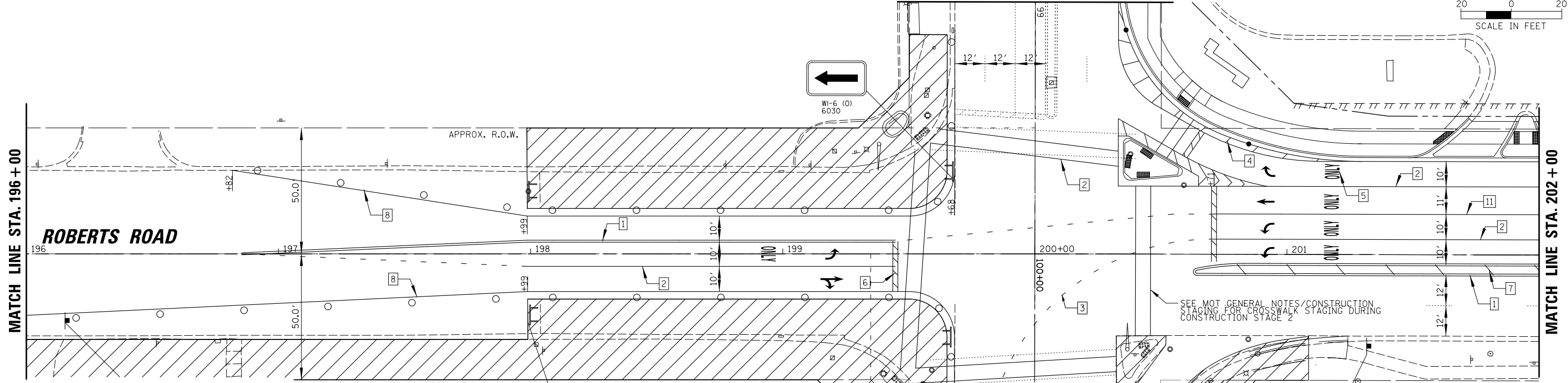
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	29
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				

SEE SHEET 29
MATCH LINE STA. 99+00



MATCH LINE STA. 196+00

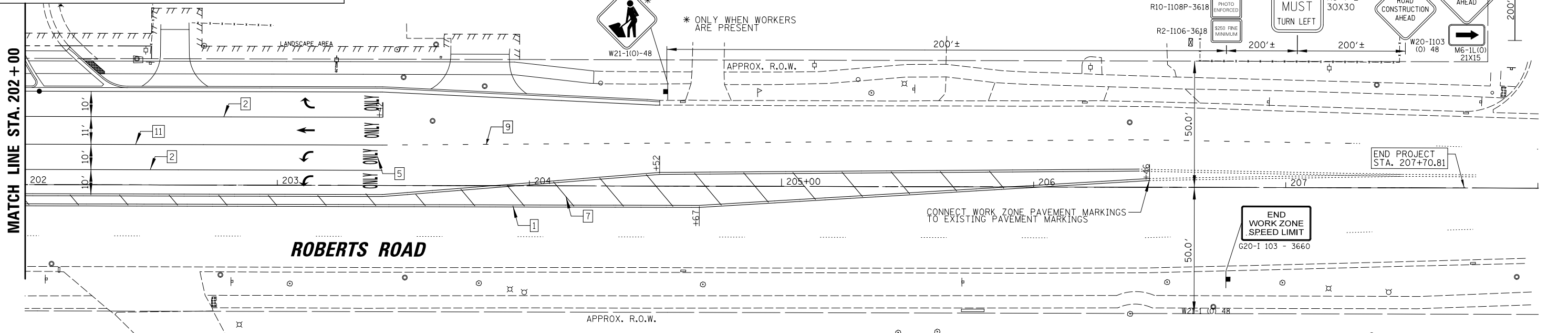
MATCH LINE STA. 202+00



MATCH LINE STA. 196+00

LEGEND

1	PAVEMENT MARKING 4" (DOUBLE YELLOW)	10	PAVEMENT MARKING 4" (YELLOW)
2	PAVEMENT MARKING 6" (WHITE)	11	PAVEMENT MARKING 8" (WHITE)
3	PAVEMENT MARKING 6", 2' DASH 6' SKIP (WHITE)		WORK ZONE
4	PAVEMENT MARKING 12" (WHITE)		TYPE II BARRICADE OR DRUM W/BI-DIRECTIONAL LIGHT
5	PAVEMENT MARKING - LETTERS AND SYMBOLS		TYPE III BARRICADE W/ LIGHTS
6	PAVEMENT MARKING 24" (WHITE)		WORK ZONE SIGN
7	PAVEMENT MARKING 12", DIAGONAL (YELLOW)		TRAFFIC FLOW
8	PAVEMENT MARKING 4" (WHITE)		ARROW BOARD
9	PAVEMENT MARKING, 8", 3' DASH 9' SKIP (WHITE)		



MATCH LINE STA. 202+00

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USER NAME = aschaefer
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PLOT DATE = 4/3/2024

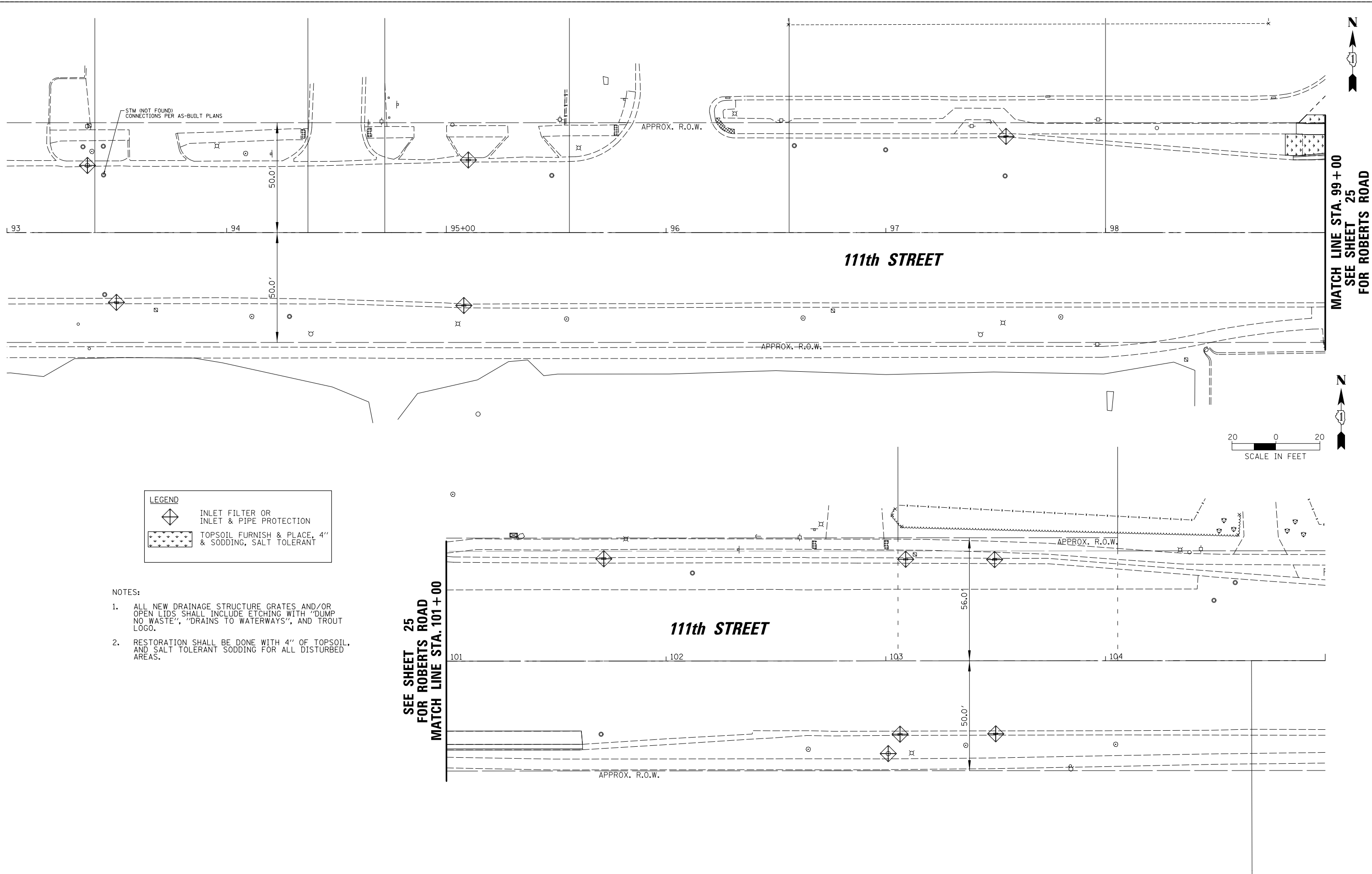
DESIGNED - AJS
DRAWN - JRS
CHECKED - BMW
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

11TH STREET AND ROBERTS ROAD
MAINTENANCE OF TRAFFIC - STAGE 2
SCALE: 1" = 20'
SHEET 5 OF 5 SHEETS
STA. 195+00 TO STA. 207+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	30
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				



LEGEND

	INLET FILTER OR INLET & PIPE PROTECTION
	TOPSOIL FURNISH & PLACE, 4" & SODDING, SALT TOLERANT

- NOTES:**
- ALL NEW DRAINAGE STRUCTURE GRATES AND/OR OPEN LIDS SHALL INCLUDE ETCHING WITH "DUMP NO WASTE", "DRAINS TO WATERWAYS", AND TROUT LOGO.
 - RESTORATION SHALL BE DONE WITH 4" OF TOPSOIL, AND SALT TOLERANT SODDING FOR ALL DISTURBED AREAS.

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	PLOT SCALE = 20'	DRAWN - JRS	REVISED -
	PLOT DATE = 4/3/2024	CHECKED - BMW	REVISED -
		DATE -	REVISED -

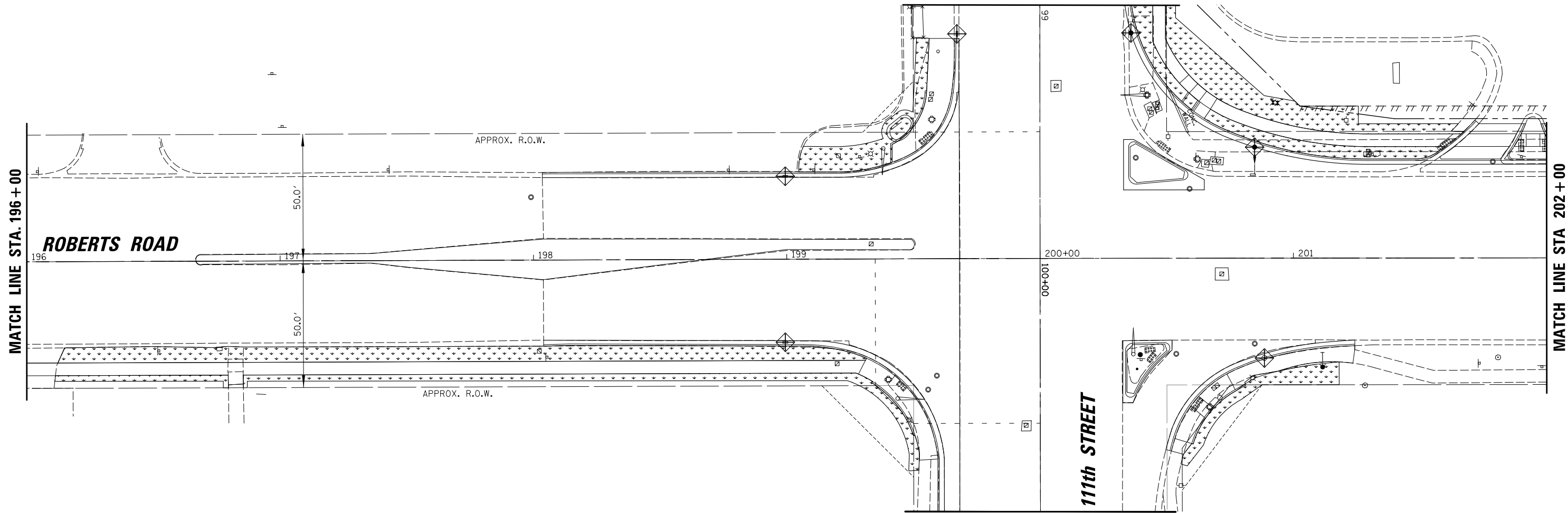
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

111TH STREET AND ROBERTS ROAD LANDSCAPING AND EROSION CONTROL PLAN			
SCALE: 1" = 20'	SHEET 1	OF 3 SHEETS	STA. 93+00 TO STA. 105+00

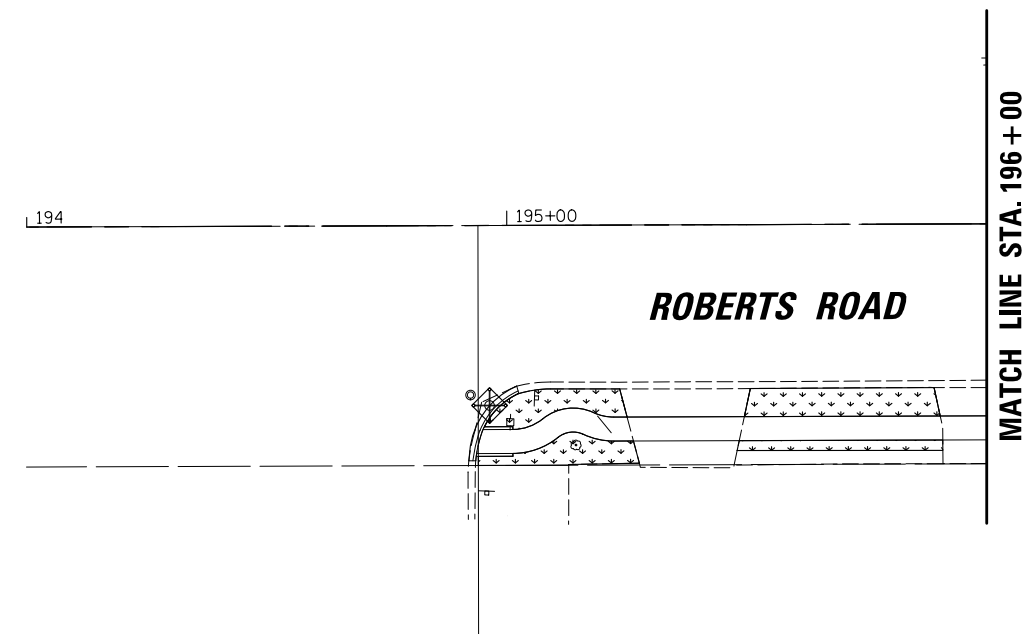
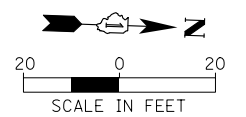
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	31
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				

N:\PALOSHILLS\210057\Civil\ERO.111th.210057_01.sht

SEE SHEET 24
FOR 111TH STREET
MATCH LINE STA. 99 + 00



MATCH LINE STA 101 + 00
SEE SHEET 24
FOR 111TH STREET



NOTES:

- ALL NEW DRAINAGE STRUCTURE GRATES AND/OR OPEN LIDS SHALL INCLUDE ETCHING WITH "DUMP NO WASTE", "DRAINS TO WATERWAYS", AND TROUT LOGO.
- RESTORATION SHALL BE DONE WITH 4" OF TOPSOIL, AND SALT TOLERANT SODDING FOR ALL DISTURBED AREAS.

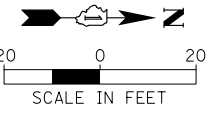
LEGEND	
	INLET FILTER OR INLET & PIPE PROTECTION
	TOPSOIL FURNISH & PLACE, 4" & SODDING, SALT TOLERANT

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-0950</p>	USER NAME = aschaefer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 28'	DRAWN - JRS	REVISED -
	PLOT DATE = 4/3/2024	CHECKED - BMW	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

111TH STREET AND ROBERTS ROAD LANDSCAPING AND EROSION CONTROL PLAN			
SCALE: 1" = 20'	SHEET 2	OF 3 SHEETS	STA. 195+00 TO STA. 202+00

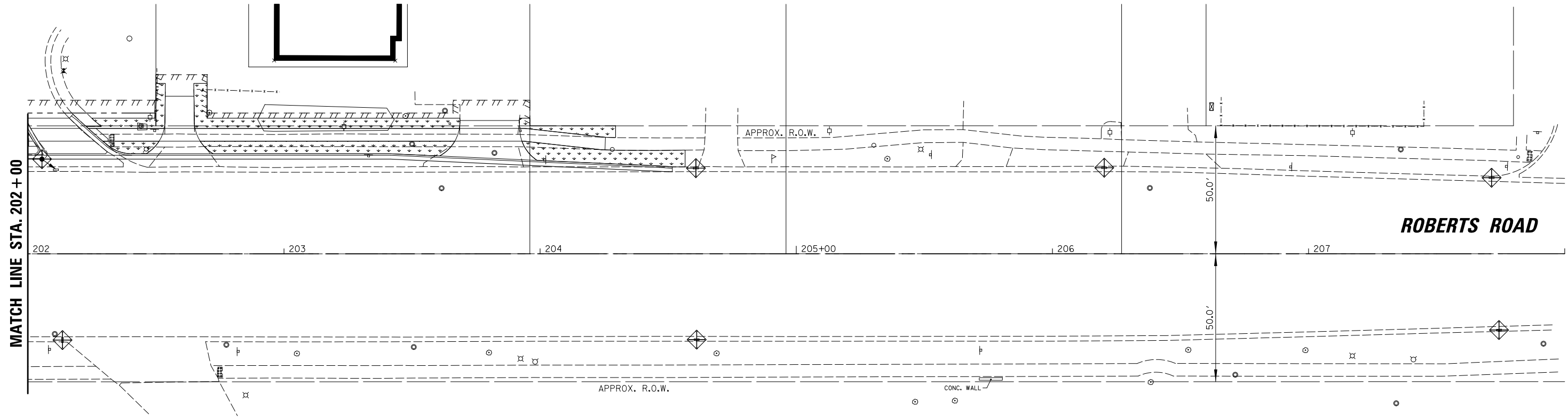
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	32
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				



LEGEND	
	INLET FILTER OR INLET & PIPE PROTECTION
	TOPSOIL FURNISH & PLACE, 4" & SODDING, SALT TOLERANT

NOTES:

1. ALL NEW DRAINAGE STRUCTURE GRATES AND/OR OPEN LIDS SHALL INCLUDE ETCHING WITH "DUMP NO WASTE", "DRAINS TO WATERWAYS", AND TROUT LOGO.
2. RESTORATION SHALL BE DONE WITH 4" OF TOPSOIL, AND SALT TOLERANT SODDING FOR ALL DISTURBED AREAS.



<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2950</p>	USER NAME = aschaefer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 28'	DRAWN - JRS	REVISED -
	PLOT DATE = 4/3/2024	CHECKED - BMW	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

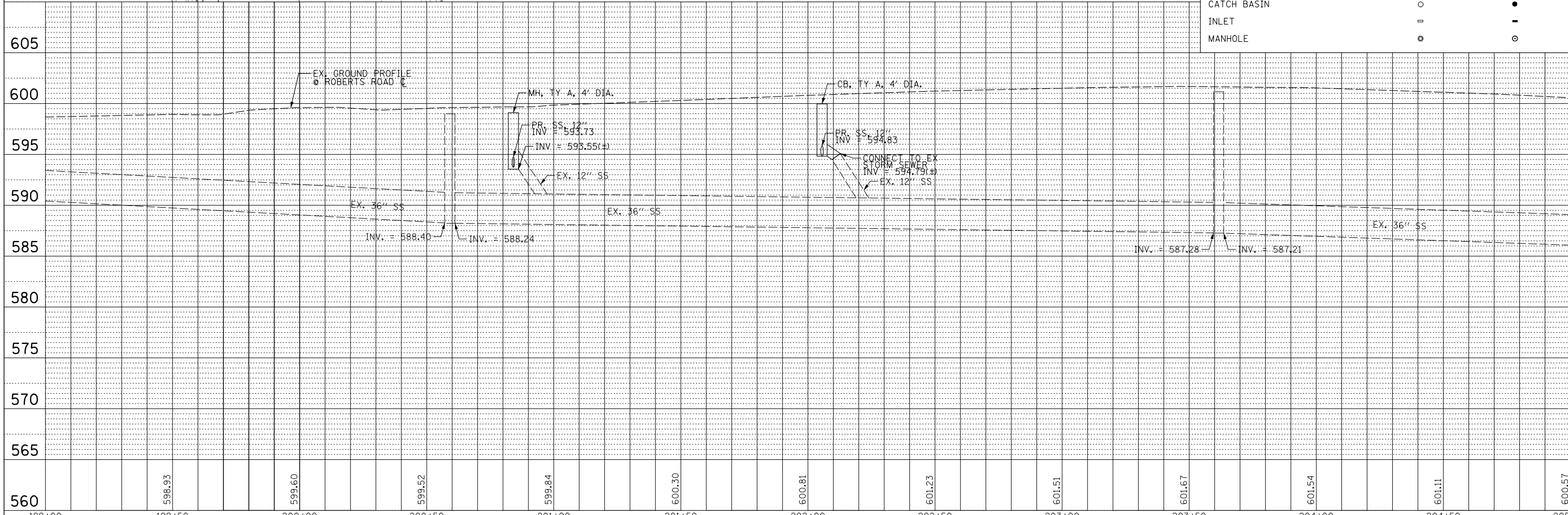
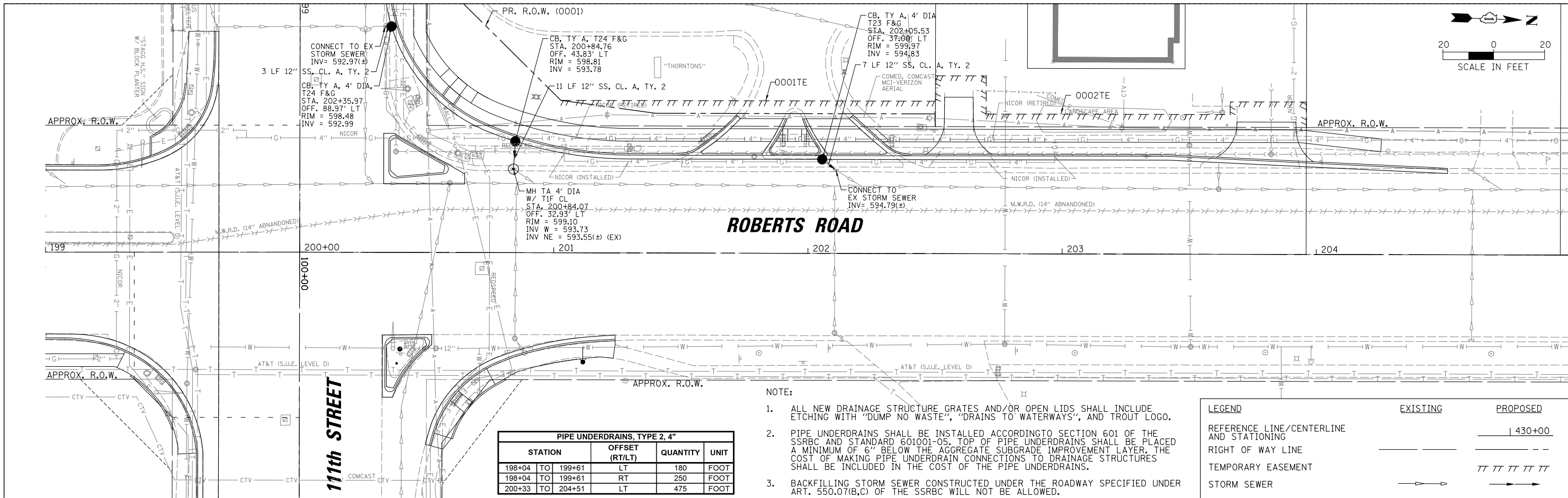
111TH STREET AND ROBERTS ROAD LANDSCAPING AND EROSION CONTROL PLAN			
SCALE: 1" = 20'	SHEET 3	OF 3 SHEETS	STA. 202+00 TO STA. 208+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	33
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				

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PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	CARD FILE NAME		
	NO.		

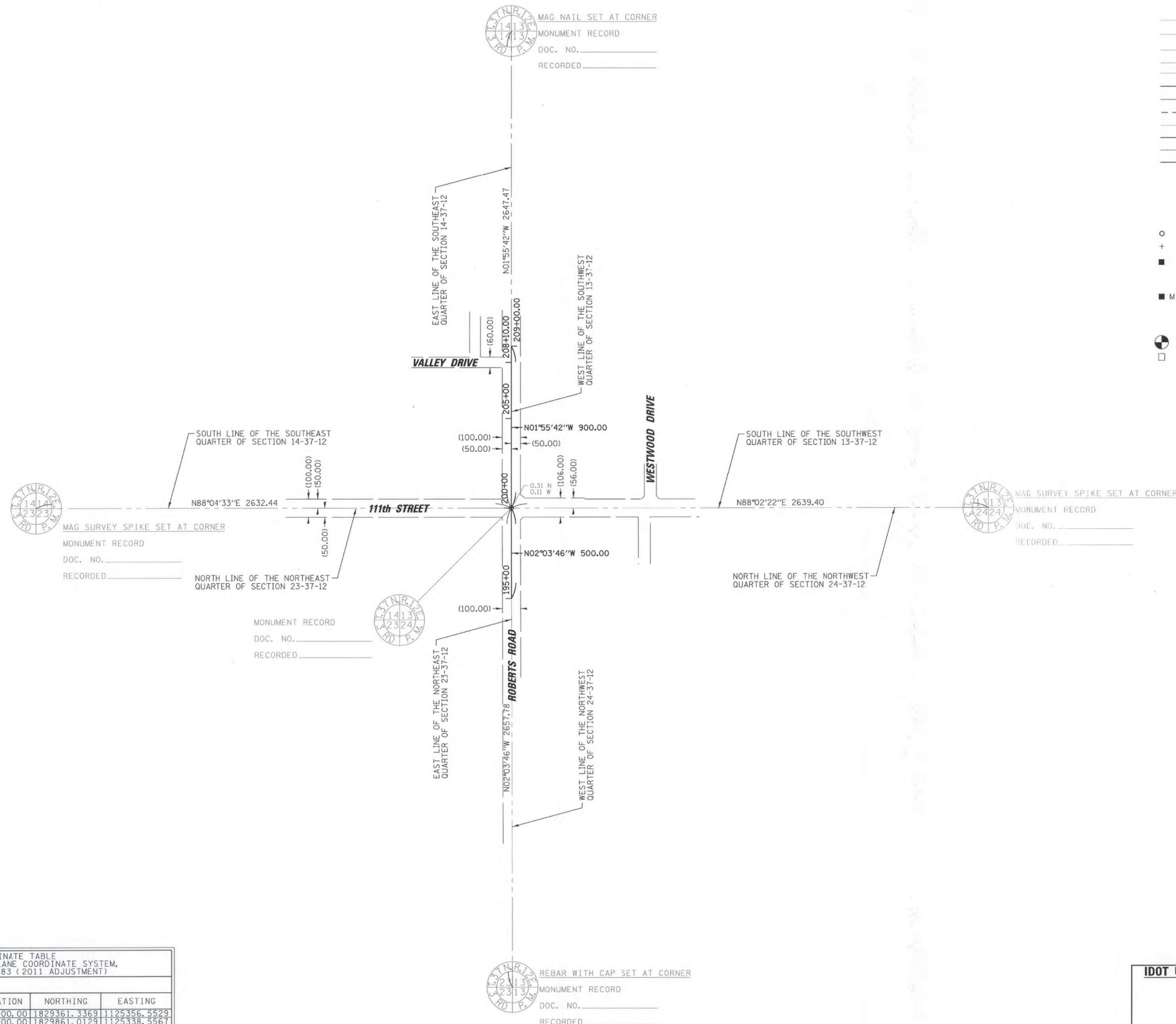
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOT AT THIS CHD		
	NO.		



199+00	199+50	200+00	200+50	201+00	201+50	202+00	202+50	203+00	203+50	204+00	204+50	205+00
	598.93	599.60	599.52	599.84	600.30	600.81	601.23	601.51	601.67	601.54	601.11	600.57

PART OF THE SOUTHWEST QUARTER OF SECTION 13, TWP. 37 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE SOUTHEAST QUARTER OF SECTION 14, TWP. 37 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE SOUTHWEST QUARTER OF SECTION 23, TWP. 37 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
 PART OF THE NORTHWEST QUARTER OF SECTION 24, TWP. 37 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND



THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.001175-0014,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREIN IN SECTION 14, TOWNSHIP 37 NORTH, RANGE 12 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 ROSEMONT, ILLINOIS THIS 4 DAY OF FEBRUARY 2021 A.D.

Kenneth J. Rasmussen
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3240
 LICENSE EXPIRATION DATE: 11-30-2022

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

NOTE:
 ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED
 BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN "GROUND" DISTANCES, DIVIDE "GRID" DISTANCES BY THE COMBINATION FACTOR OF 0.9999746728.
 AREAS SHOWN ON THIS PLAT ARE "GROUND"

CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROBERTS ROAD

LIMITS: 500' SOUTH OF 11TH STREET TO VALLY DRIVE COUNTY: COOK
 SECTION: 17-00032-00-CH JOB NO.: R-90-006-22
 STA. 195+00.00 TO STA. 209+00.00
 SCALE: 1"= 300 SHEET 2 OF 3 SHEETS

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

COORDINATE TABLE
 ILLINOIS STATE PLANE COORDINATE SYSTEM,
 EAST ZONE, NAD 83 (2011 ADJUSTMENT)

ROBERTS ROAD	LOCATION	STATION	NORTHING	EASTING
STA. BEGIN		195+00.00	1829361.3369	1125356.5529
11TH ST / SECTION		200+00.00	1829861.0129	1125338.5567
VALLEY DRIVE		208+10.00	1830670.5543	1125311.3025
STA. END		209+00.00	1830760.5033	1125308.2742

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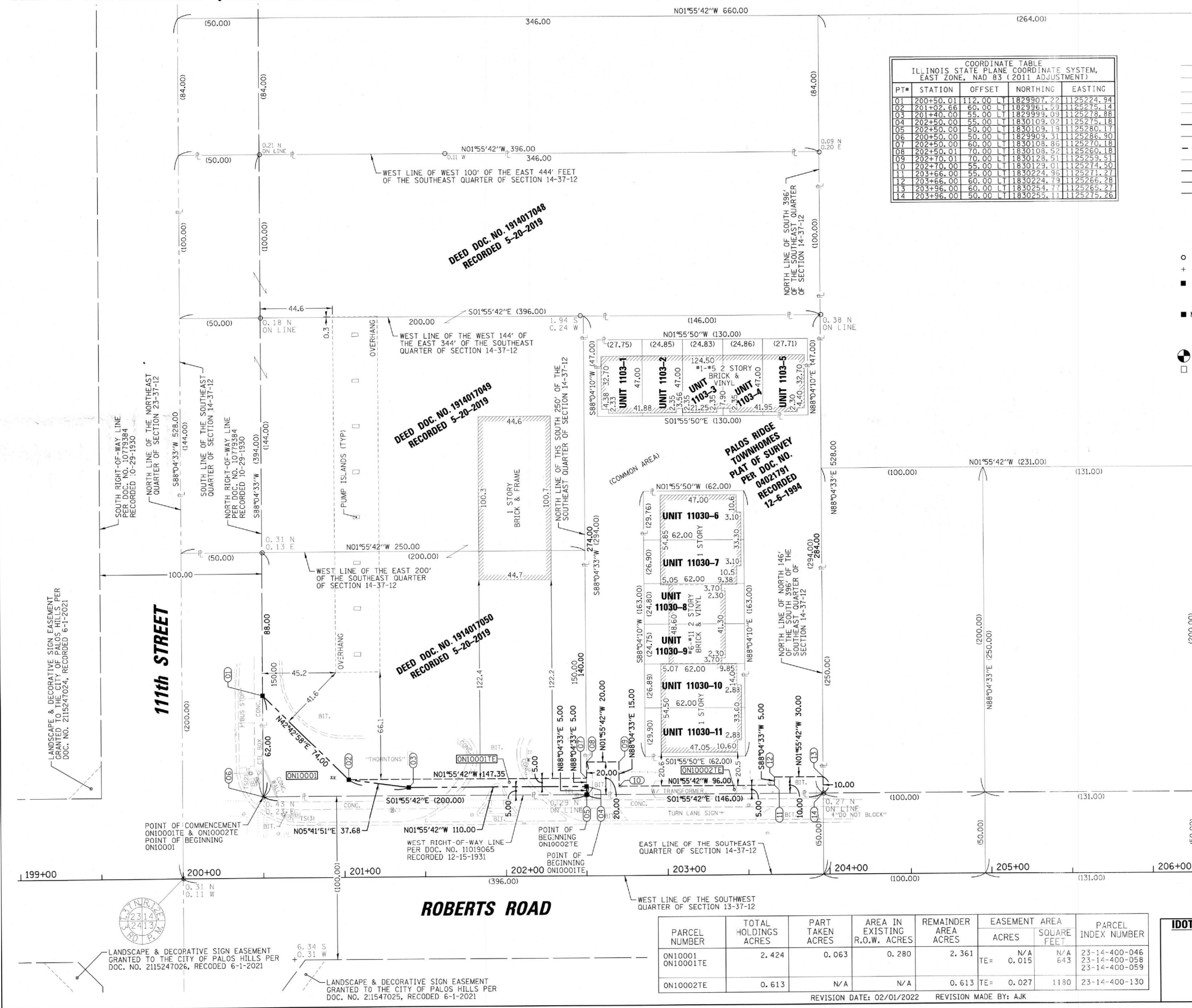
PART OF THE SOUTHEAST QUARTER OF SECTION 14, TWP. 37 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND



COORDINATE TABLE
ILLINOIS STATE PLANE COORDINATE SYSTEM,
EAST ZONE, NAD 83 (2011 ADJUSTMENT)

PT#	STATION	OFFSET	NORTHING	EASTING
01	200+50.01	112.00	11829907.22	11252224.94
02	201+02.66	60.00	11829961.59	11252275.14
03	201+40.00	55.00	11829999.09	11252278.88
04	202+50.00	55.00	11830109.02	11252275.18
05	202+50.00	50.00	11830103.19	11252280.17
06	200+50.00	50.00	11829909.31	11252286.90
07	202+50.00	60.00	11830108.86	11252270.18
08	202+50.01	70.00	11830108.52	11252260.18
09	202+70.01	70.00	11830128.51	11252283.51
10	202+70.00	55.00	11830129.01	11252274.50
11	203+66.00	55.00	11830224.95	11252271.27
12	203+66.00	60.00	11830224.79	11252266.28
13	203+96.00	60.00	11830254.77	11252265.27
14	203+96.00	50.00	11830255.11	11252275.26



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
IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
STAKING OF PROPOSED RIGHT OF WAY
STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS
PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }
COUNTY OF COOK }

THIS IS TO CERTIFY THAT I, KENNETH J. RASMUSSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CHRISTOPHER B. BURKE ENGINEERING, LTD. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.001175-0014,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 37 NORTH, RANGE 12 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 ROSEMONT, ILLINOIS THIS 1 DAY OF February 2022 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3522 PROFESSIONAL LAND SURVEYOR LICENSE EXPIRATION DATE: 11-30-2022

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

NOTE:
ALL DIMENSION ARE MEASURED UNLESS OTHERWISE SPECIFIED
BEARINGS AND DISTANCES SHOWN HEREON ARE ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.9999746728.
AREAS SHOWN ON THIS PLAT ARE "GROUND"

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
0N10001	2.424	0.063	0.280	2.361	N/A	N/A	23-14-400-046
0N10001TE					0.015	643	23-14-400-058
0N10002TE	0.613	N/A	N/A	0.613	0.027	1180	23-14-400-130

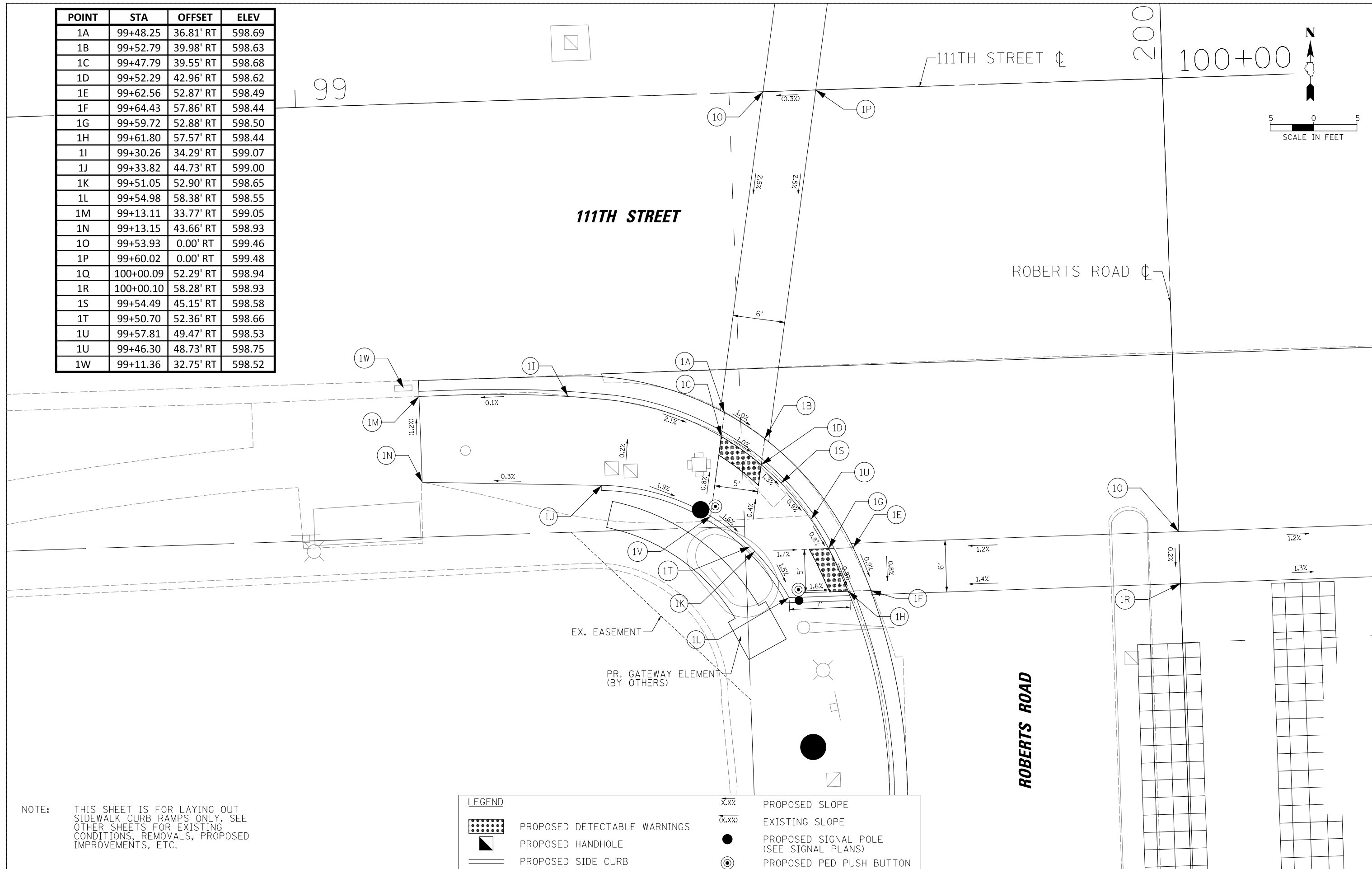
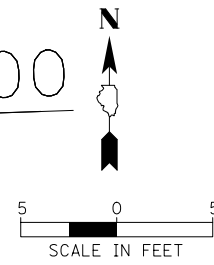
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ROBERTS ROAD

LIMITS: 500' SOUTH OF 111TH STREET TO VALLEY DRIVE COUNTY: COOK
SECTION: 17-00032-00-CH JOB NO.: R-90-006-22
STA. 199+00.00 TO STA. 206+27.00
SCALE: 1"=30' SHEET 3 OF 3 SHEETS

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

POINT	STA	OFFSET	ELEV
1A	99+48.25	36.81' RT	598.69
1B	99+52.79	39.98' RT	598.63
1C	99+47.79	39.55' RT	598.68
1D	99+52.29	42.96' RT	598.62
1E	99+62.56	52.87' RT	598.49
1F	99+64.43	57.86' RT	598.44
1G	99+59.72	52.88' RT	598.50
1H	99+61.80	57.57' RT	598.44
1I	99+30.26	34.29' RT	599.07
1J	99+33.82	44.73' RT	599.00
1K	99+51.05	52.90' RT	598.65
1L	99+54.98	58.38' RT	598.55
1M	99+13.11	33.77' RT	599.05
1N	99+13.15	43.66' RT	598.93
1O	99+53.93	0.00' RT	599.46
1P	99+60.02	0.00' RT	599.48
1Q	100+00.09	52.29' RT	598.94
1R	100+00.10	58.28' RT	598.93
1S	99+54.49	45.15' RT	598.58
1T	99+50.70	52.36' RT	598.66
1U	99+57.81	49.47' RT	598.53
1U	99+46.30	48.73' RT	598.75
1W	99+11.36	32.75' RT	598.52



NOTE: THIS SHEET IS FOR LAYING OUT SIDEWALK CURB RAMPS ONLY. SEE OTHER SHEETS FOR EXISTING CONDITIONS, REMOVALS, PROPOSED IMPROVEMENTS, ETC.

LEGEND	
	PROPOSED DETECTABLE WARNINGS
	PROPOSED HANDHOLE
	PROPOSED SIDE CURB
$x.x\%$	PROPOSED SLOPE
$(x.x\%)$	EXISTING SLOPE
	PROPOSED SIGNAL POLE (SEE SIGNAL PLANS)
	PROPOSED PED PUSH BUTTON

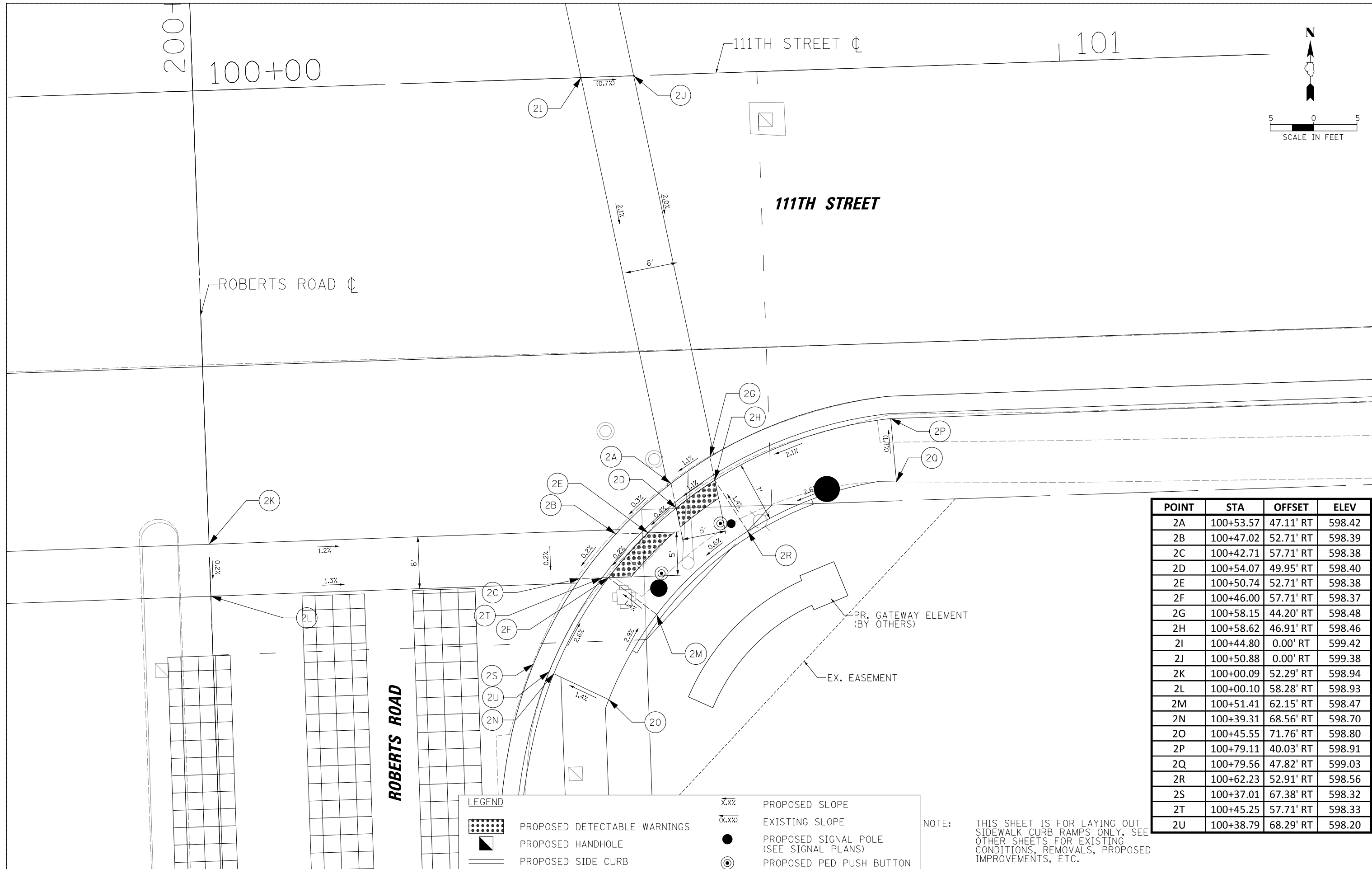
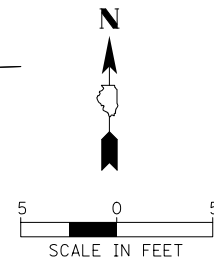
 CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850	USER NAME = aschaefer	DESIGNED -	REVISED -
	PLOT SCALE = 5'	DRAWN -	REVISED -
	PLOT DATE = 4/3/2024	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**111TH STREET AND ROBERTS ROAD
ADA CURB RAMP DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	37
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				



POINT	STA	OFFSET	ELEV
2A	100+53.57	47.11' RT	598.42
2B	100+47.02	52.71' RT	598.39
2C	100+42.71	57.71' RT	598.38
2D	100+54.07	49.95' RT	598.40
2E	100+50.74	52.71' RT	598.38
2F	100+46.00	57.71' RT	598.37
2G	100+58.15	44.20' RT	598.48
2H	100+58.62	46.91' RT	598.46
2I	100+44.80	0.00' RT	599.42
2J	100+50.88	0.00' RT	599.38
2K	100+00.09	52.29' RT	598.94
2L	100+00.10	58.28' RT	598.93
2M	100+51.41	62.15' RT	598.47
2N	100+39.31	68.56' RT	598.70
2O	100+45.55	71.76' RT	598.80
2P	100+79.11	40.03' RT	598.91
2Q	100+79.56	47.82' RT	599.03
2R	100+62.23	52.91' RT	598.56
2S	100+37.01	67.38' RT	598.32
2T	100+45.25	57.71' RT	598.33
2U	100+38.79	68.29' RT	598.20

LEGEND

- PROPOSED DETECTABLE WARNINGS
- PROPOSED HANDHOLE
- PROPOSED SIDE CURB
- PROPOSED SLOPE
- EXISTING SLOPE
- PROPOSED SIGNAL POLE (SEE SIGNAL PLANS)
- PROPOSED PED PUSH BUTTON

NOTE: THIS SHEET IS FOR LAYING OUT SIDEWALK CURB RAMP DETAILS ONLY. SEE OTHER SHEETS FOR EXISTING CONDITIONS, REMOVALS, PROPOSED IMPROVEMENTS, ETC.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 156th Street, Suite 201
Lockport, Illinois 60441
(815) 770-2850

USER NAME = aschaefer	DESIGNED -	REVISED -
PLOT SCALE = 5'	DRAWN -	REVISED -
PLOT DATE = 4/3/2024	CHECKED -	REVISED -
	DATE -	REVISED -

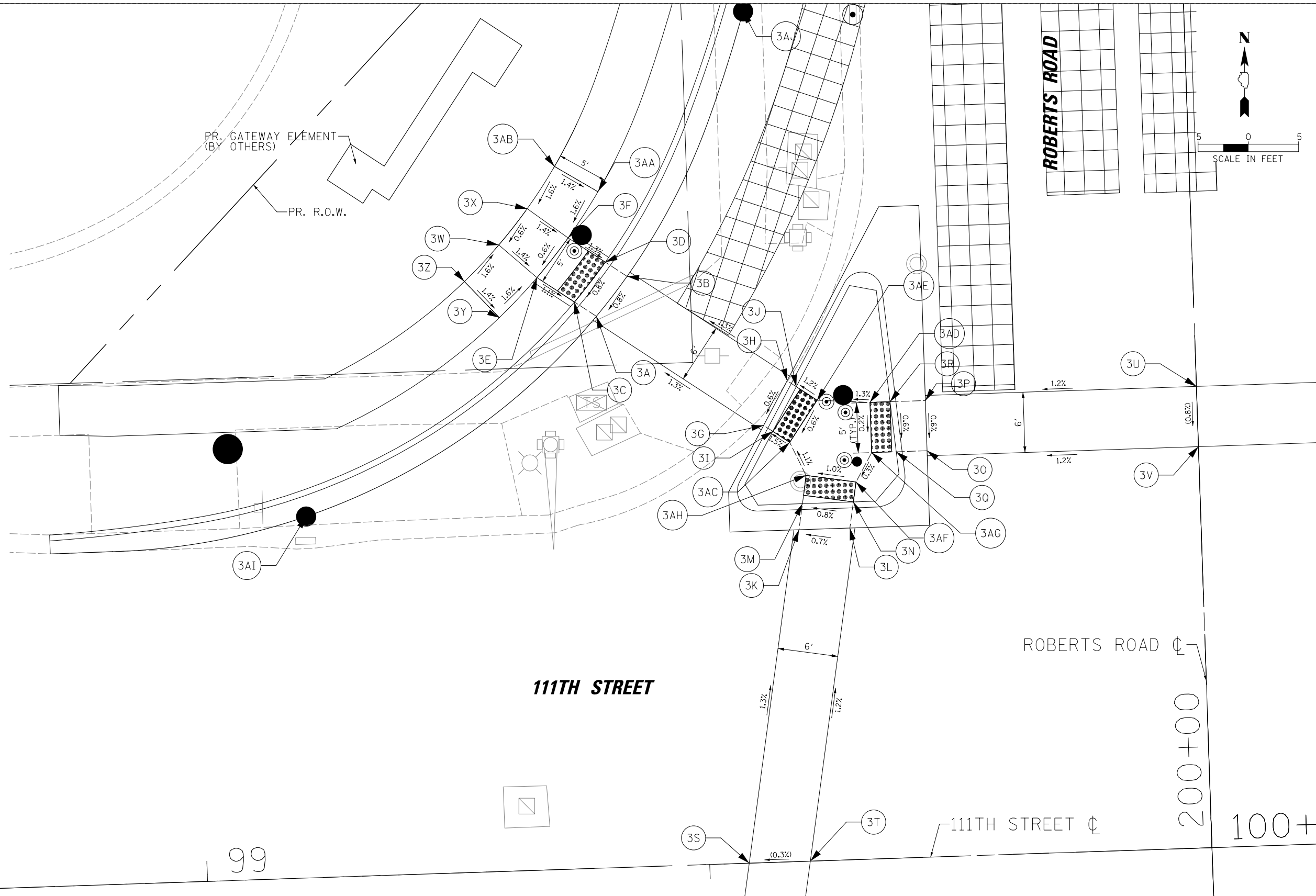
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**111TH STREET AND ROBERTS ROAD
ADA CURB RAMP DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	38
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				

POINT	STA	OFFSET	ELEV
3A	99+40.56	54.91' LT	598.70
3B	99+43.74	58.78' LT	598.72
3C	99+38.43	56.40' LT	598.71
3D	99+41.63	60.27' LT	598.73
3E	99+34.78	58.96' LT	598.76
3F	99+38.01	62.80' LT	598.79
3G	99+56.83	43.50' LT	598.93
3H	99+59.31	47.87' LT	598.96
3I	99+57.72	42.88' LT	598.95
3J	99+60.20	47.24' LT	598.98
3K	99+59.99	33.00' LT	599.04
3L	99+65.60	33.00' LT	599.08
3M	99+60.43	35.58' LT	599.04
3N	99+65.50	35.58' LT	599.08
3O	99+73.00	40.57' LT	599.10
3P	99+73.00	45.43' LT	599.13
3Q	99+69.92	40.43' LT	599.09
3R	99+69.48	45.43' LT	599.12
3S	99+53.93	0.00' RT	599.46
3T	99+60.02	0.00' RT	599.48
3U	100+00.03	45.93' LT	599.48
3V	100+00.02	39.93' LT	599.43
3W	99+31.09	62.33' LT	598.83
3X	99+34.04	65.85' LT	598.86
3Y	99+30.90	55.10' LT	598.84
3Z	99+27.55	58.81' LT	598.91
3AA	99+41.19	67.39' LT	598.87
3AB	99+36.89	69.95' LT	598.94
3AC	99+59.36	41.73' LT	598.98
3AD	99+67.48	45.43' LT	599.08
3AE	99+62.23	45.83' LT	599.01
3AF	99+65.83	37.56' LT	599.07
3AG	99+67.48	40.43' LT	599.07
3AH	99+60.87	38.39' LT	599.02
3AI	99+11.03	35.96' LT	598.48
3AJ	99+56.17	84.75' LT	598.81



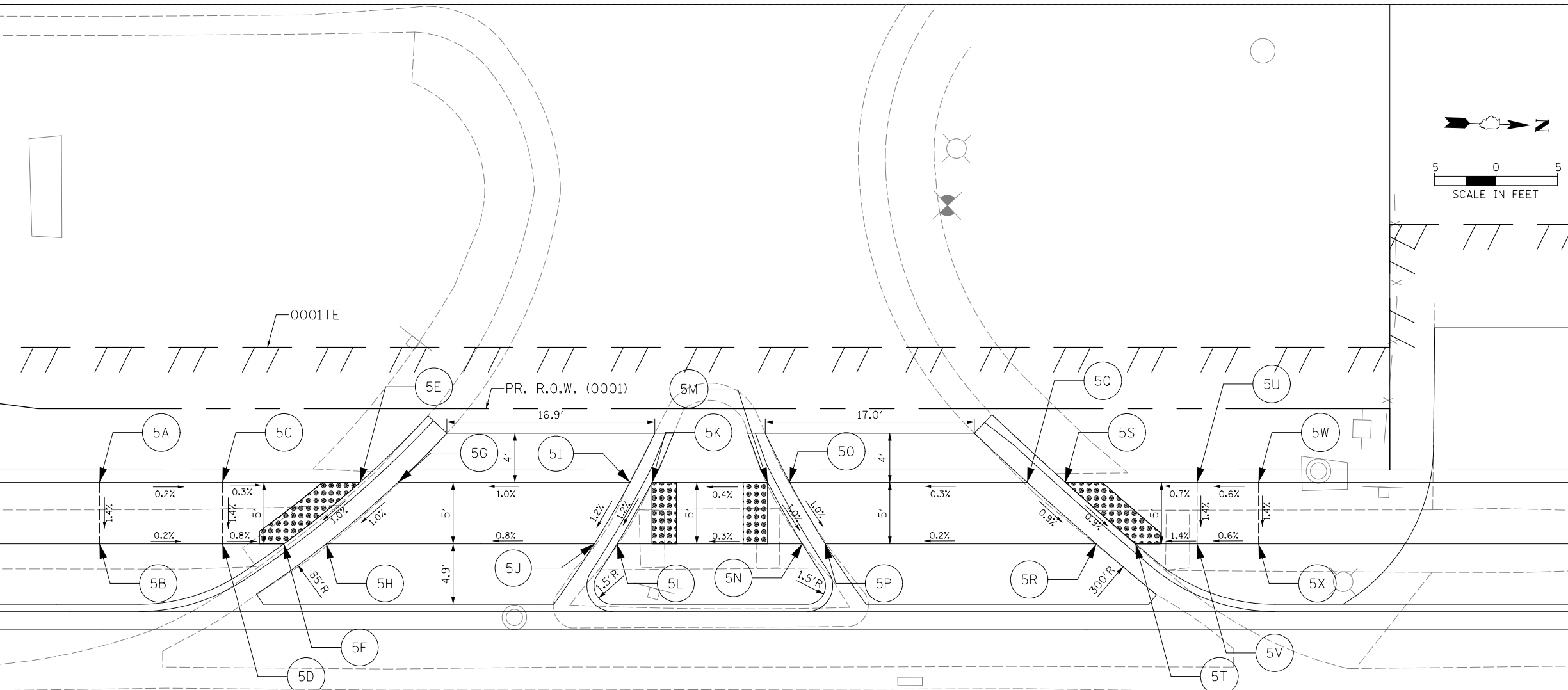
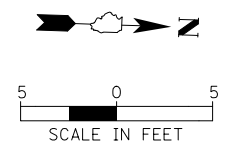
LEGEND

	PROPOSED DETECTABLE WARNINGS	$\overline{x.x\%}$	PROPOSED SLOPE
	PROPOSED HANDHOLE	$\overline{x.x\%}$	EXISTING SLOPE
	PROPOSED SIDE CURB		PROPOSED SIGNAL POLE (SEE SIGNAL PLANS)
			PROPOSED PED PUSH BUTTON

NOTE: THIS SHEET IS FOR LAYING OUT SIDEWALK CURB RAMP ONLY. SEE OTHER SHEETS FOR EXISTING CONDITIONS, REMOVALS, PROPOSED IMPROVEMENTS, ETC.

N:\PALOSHILLS\210057\Civil\ADA_210057_03.sht

POINT	STA	OFFSET	ELEV
5A	201+45.02	49.00' LT	600.35
5B	201+45.02	44.00' LT	600.28
5C	201+55.02	49.00' LT	600.33
5D	201+55.02	44.00' LT	600.26
5E	201+66.21	49.00' LT	600.30
5F	201+60.02	44.00' LT	600.22
5G	201+69.30	49.00' LT	600.27
5H	201+63.47	44.00' LT	600.19
5I	201+88.14	49.00' LT	600.47
5J	201+85.45	44.00' LT	600.40
5K	201+89.97	49.00' LT	600.50
5L	201+87.14	44.00' LT	600.43
5M	201+99.27	49.00' LT	600.54
5N	202+02.20	44.00' LT	600.48
5O	202+01.17	49.00' LT	600.51
5P	202+04.06	44.00' LT	600.45
5Q	202+20.50	49.00' LT	600.57
5R	202+26.03	44.00' LT	600.50
5S	202+23.60	49.00' LT	600.60
5T	202+29.32	44.00' LT	600.53
5U	202+34.32	49.00' LT	600.67
5V	202+34.32	44.00' LT	600.60
5W	202+39.32	49.00' LT	600.70
5X	202+39.32	44.00' LT	600.63



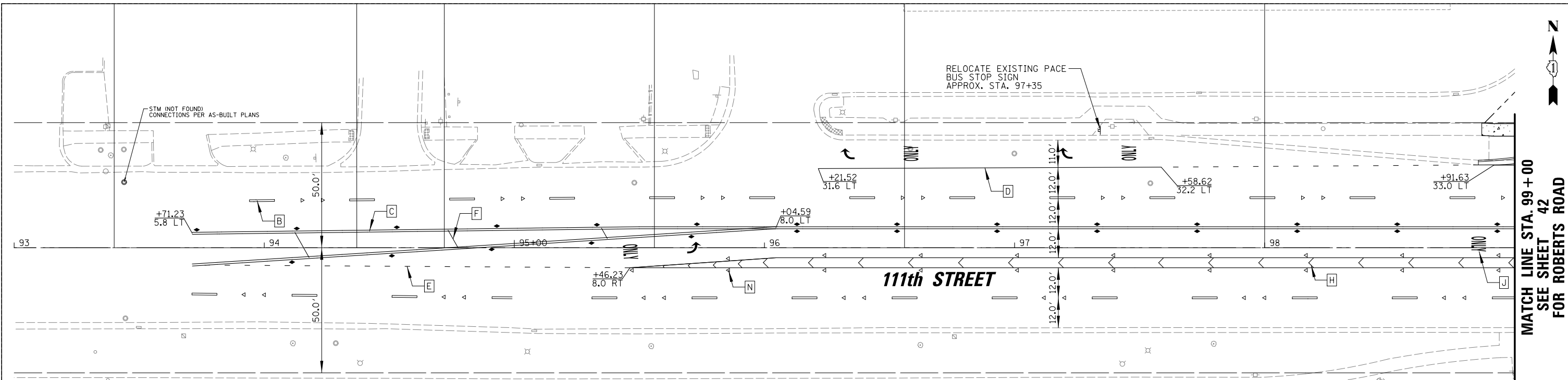
ROBERTS ROAD

ROBERTS ROAD C

202

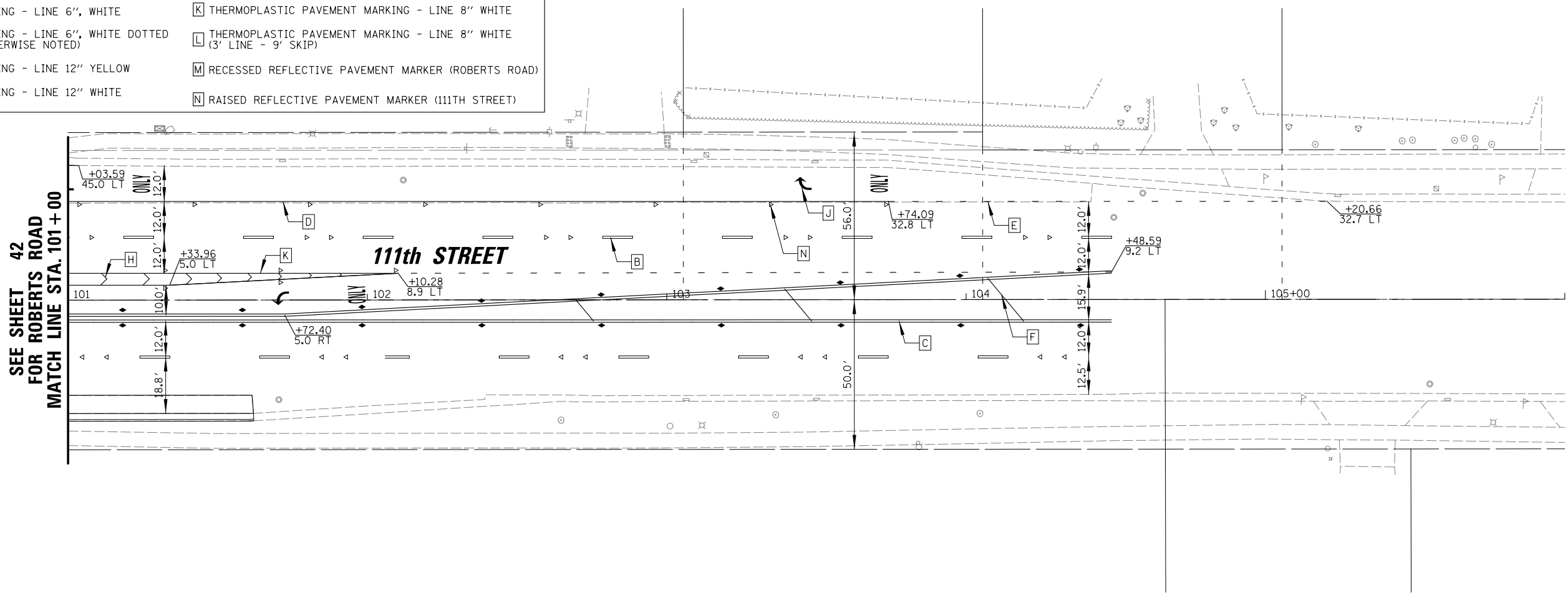
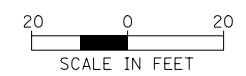
LEGEND	
	PROPOSED DETECTABLE WARNINGS
	PROPOSED HANDHOLE
	PROPOSED SIDE CURB
	PROPOSED SLOPE
	EXISTING SLOPE
	PROPOSED SIGNAL POLE (SEE SIGNAL PLANS)
	PROPOSED PED PUSH BUTTON

NOTE: THIS SHEET IS FOR LAYING OUT SIDEWALK CURB RAMP ONLY. SEE OTHER SHEETS FOR EXISTING CONDITIONS, REMOVALS, PROPOSED IMPROVEMENTS, ETC.



PAVEMENT MARKING LEGEND

A THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW	H THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE
B THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH 30'-10'	I THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE
C THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW	J THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
D THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	K THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE
E THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SKIP, UNLESS OTHERWISE NOTED)	L THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE (3' LINE - 9' SKIP)
F THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW	M RECESSED REFLECTIVE PAVEMENT MARKER (ROBERTS ROAD)
G THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE (3' C-C)	N RAISED REFLECTIVE PAVEMENT MARKER (111TH STREET)



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 16221 W. 156th Street, Suite 201
 Lockport, Illinois 60441
 (815) 770-0950

USER NAME = aschaefer	DESIGNED - AJS	REVISED -
PLOT SCALE = 28'	DRAWN - JRS	REVISED -
PLOT DATE = 4/3/2024	CHECKED - BMW	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

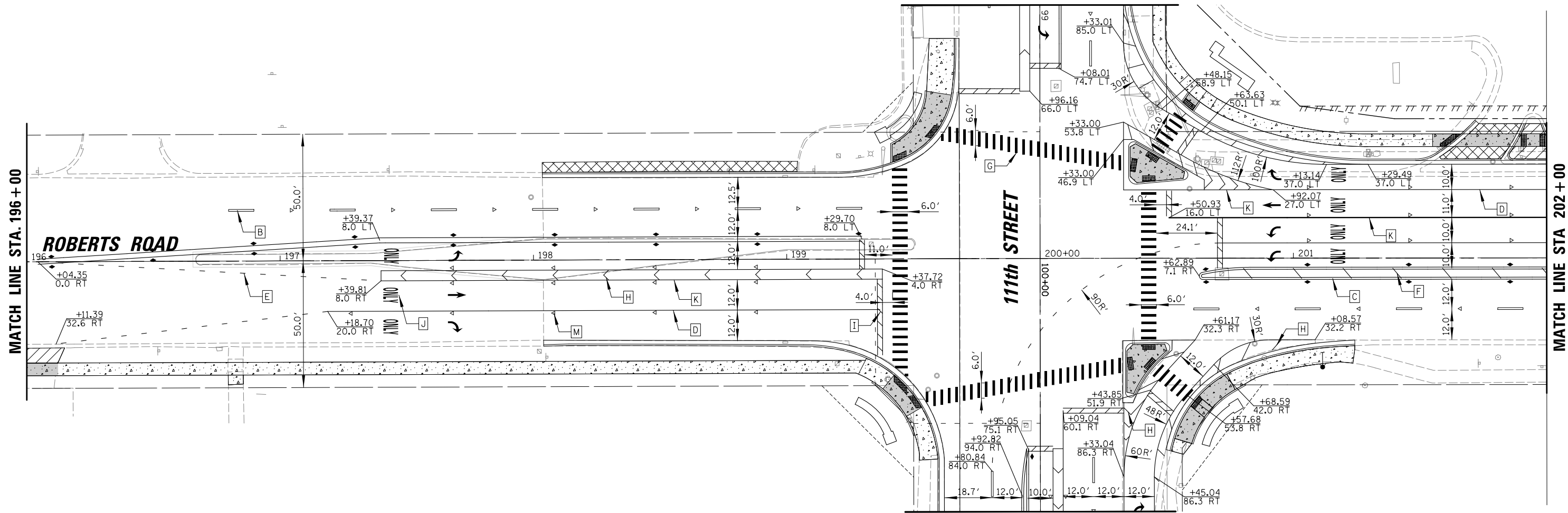
**111TH STREET AND ROBERTS ROAD
 PAVEMENT MARKING AND SIGNAGE PLAN**

SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. 93+00 TO STA. 106+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	42
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				

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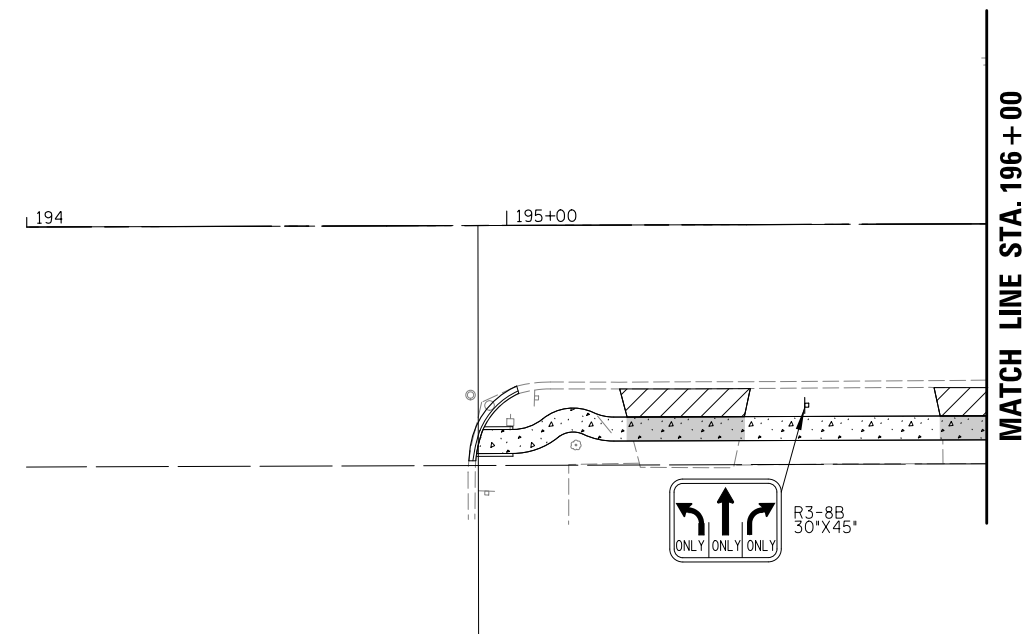
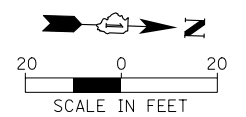
SEE SHEET 41
FOR 111TH STREET
MATCH LINE STA. 99+00



MATCH LINE STA. 196+00

MATCH LINE STA. 202+00

MATCH LINE STA. 101+00
SEE SHEET 41
FOR 111TH STREET



MATCH LINE STA. 196+00

PAVEMENT MARKING LEGEND	
[A] THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW	[H] THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE
[B] THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH 30'-10'	[I] THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE
[C] THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW	[J] THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
[D] THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE	[K] THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE
[E] THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SKIP, UNLESS OTHERWISE NOTED)	[L] THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE (3' LINE - 9' SKIP)
[F] THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW	[M] RECESSED REFLECTIVE PAVEMENT MARKER (ROBERTS ROAD)
[G] THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE (3' C-C)	[N] RAISED REFLECTIVE PAVEMENT MARKER (111TH STREET)

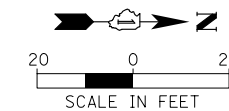
<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME = aschaefer	DESIGNED - AJS	REVISED -
	PLOT SCALE = 28'	DRAWN - JRS	REVISED -
	PLOT DATE = 4/3/2024	CHECKED - BMW	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

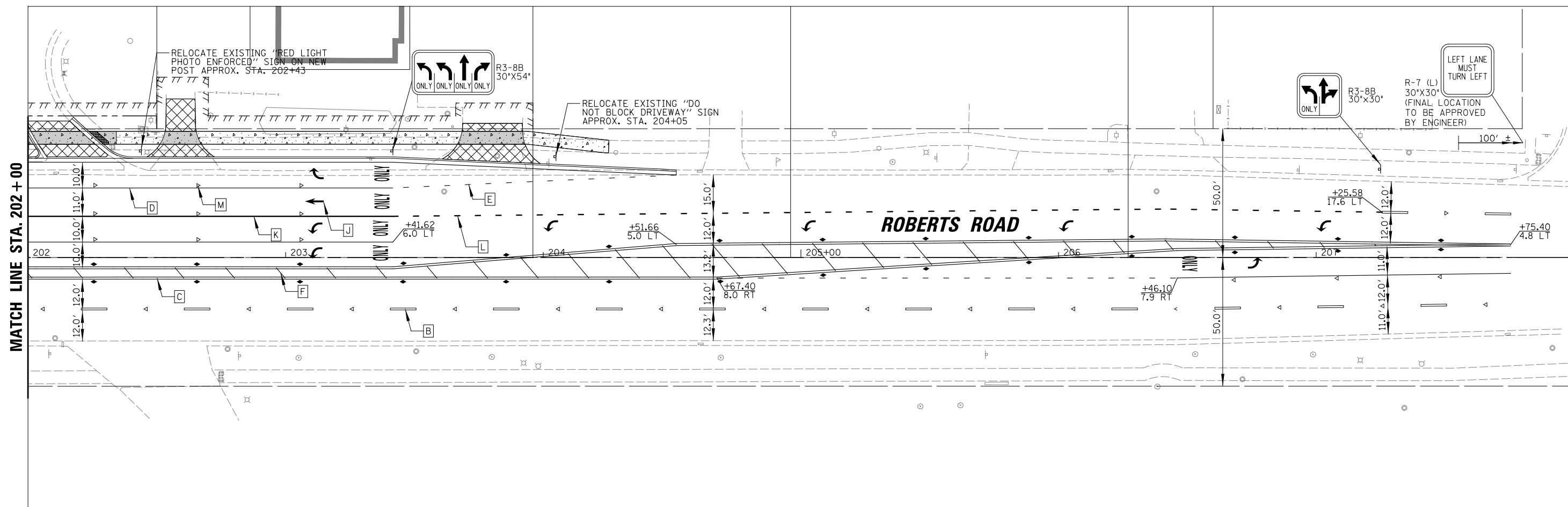
111TH STREET AND ROBERTS ROAD PAVEMENT MARKING AND SIGNAGE PLAN			
SCALE: 1" = 20'	SHEET 2	OF 3 SHEETS	STA. 195+00 TO STA. 202+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	43
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				

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PAVEMENT MARKING LEGEND	
A	THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW
B	THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SKIP-DASH 30'-10'
C	THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE YELLOW
D	THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE
E	THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE DOTTED (2' LINE - 6' SKIP, UNLESS OTHERWISE NOTED)
F	THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW
G	THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE (3' C-C)
H	THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE
I	THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE
J	THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS
K	THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE
L	THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE (3' LINE - 9' SKIP)
M	RECESSED REFLECTIVE PAVEMENT MARKER (ROBERTS ROAD)
N	RAISED REFLECTIVE PAVEMENT MARKER (111TH STREET)



<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2950</p>	USER NAME = aschaefer	DESIGNED - AJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	111TH STREET AND ROBERTS ROAD PAVEMENT MARKING AND SIGNAGE PLAN	F.A.U. RTE. = 1581	SECTION = 17-00032-00-CH	COUNTY = COOK	TOTAL SHEETS = 112	SHEET NO. = 44	
	PLOT SCALE = 28'	DRAWN - JRS	REVISED -			SCALE: 1" = 20'	SHEET 3 OF 3 SHEETS	STA. 202+00 TO STA. 208+00	CONTRACT NO. 61H55		
	PLOT DATE = 4/3/2024	CHECKED - BMW	REVISED -			ILLINOIS FED. AID PROJECT					

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TRAFFIC SIGNAL LEGEND

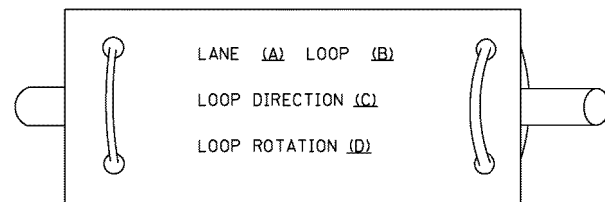
(NOT TO SCALE)

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

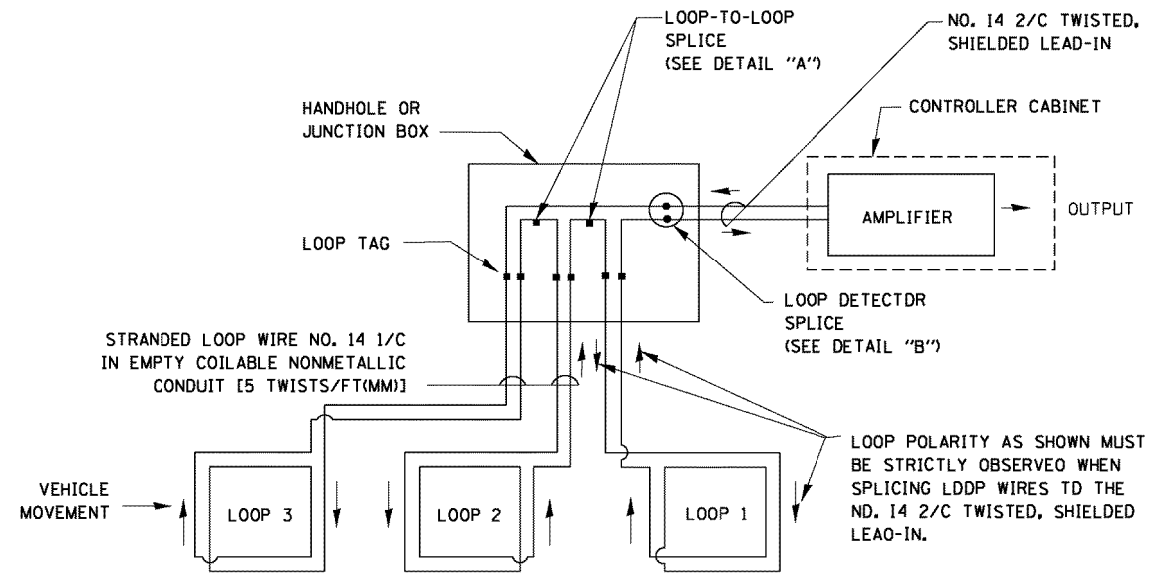
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

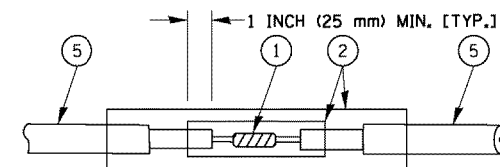


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

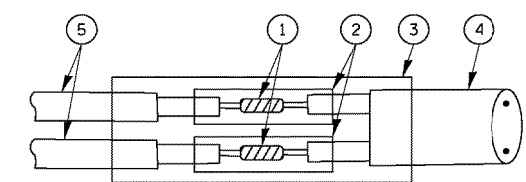


DETECTOR LOOP WIRING SCHEMATIC

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

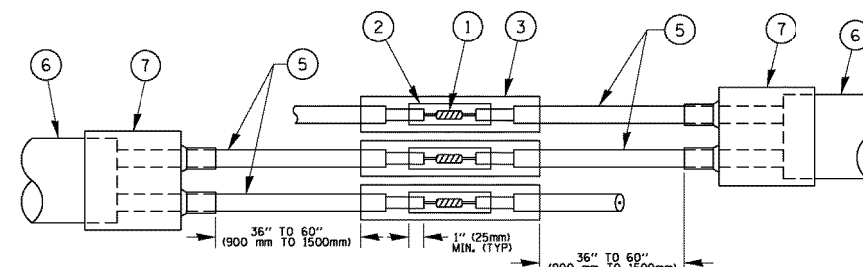


DETAIL "A"
LOOP-TO-LOOP SPLICE

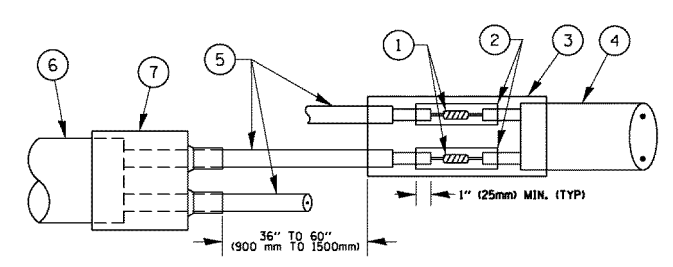


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	46
TS-05			CONTRACT NO. 61H55	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

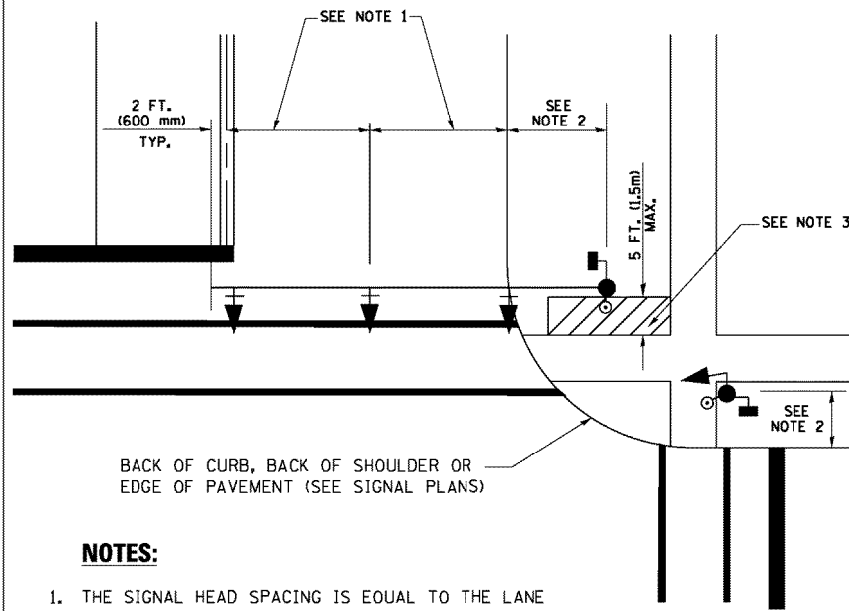
SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
DRAWN - BCK	CHECKED - DAD	REVISIONS	
PLOT SCALE = 50.0000' / 1"	DATE - 10-28-09		
PLOT DATE = 1/13/2014			

TS SHEET NO. 2
03/08/2014

4/3/2024

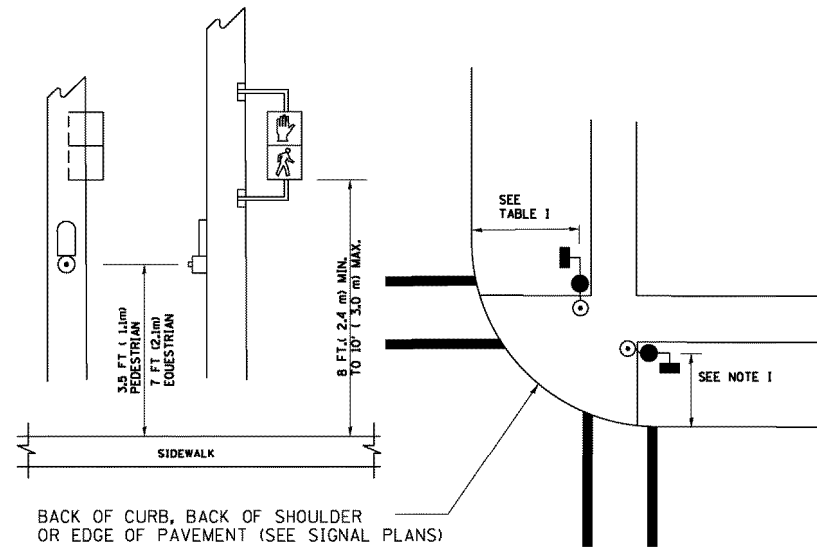
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

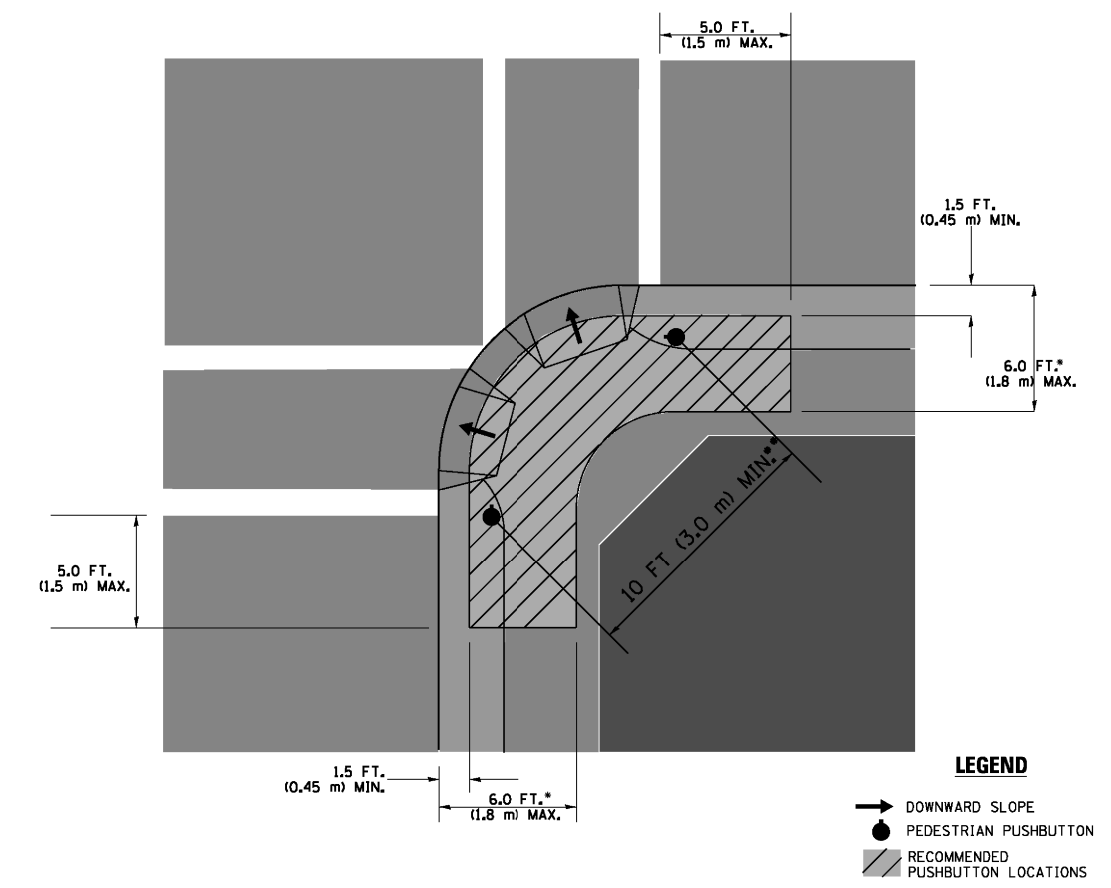
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

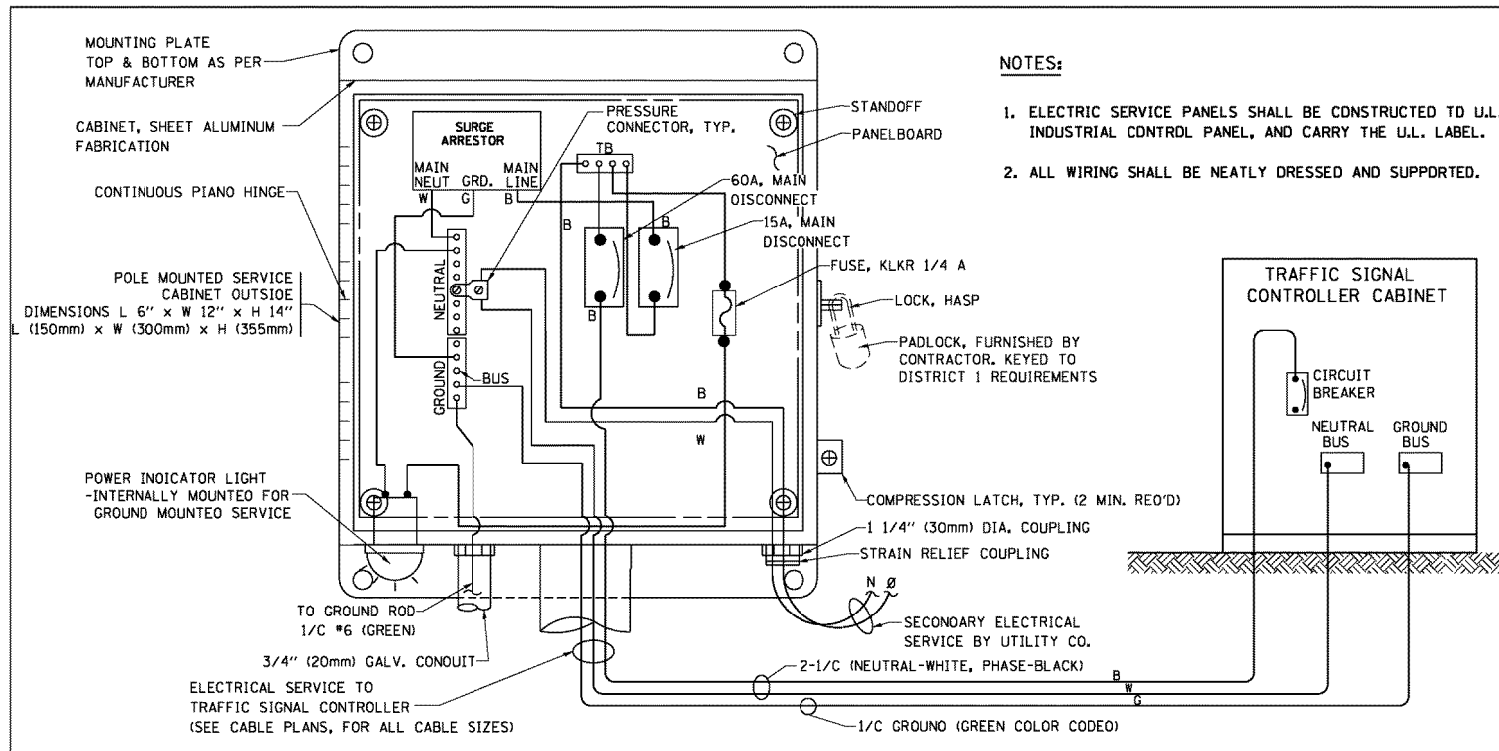
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM 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

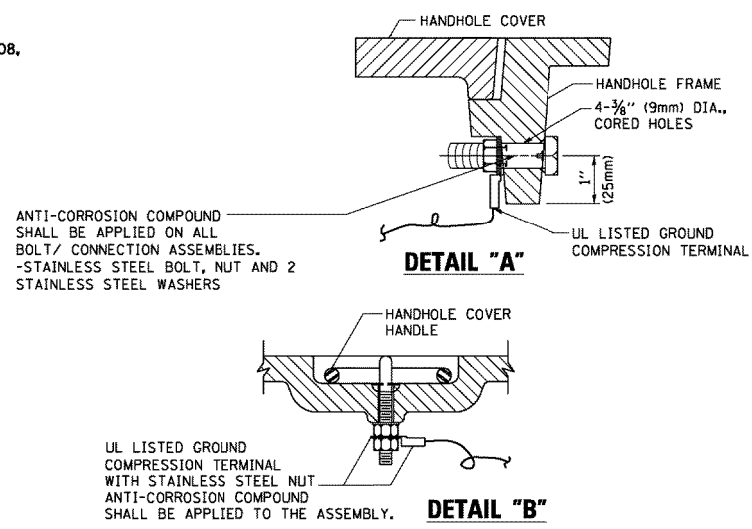
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 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 TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" 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.

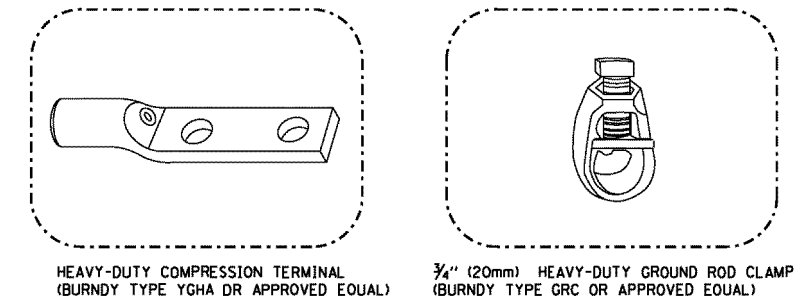
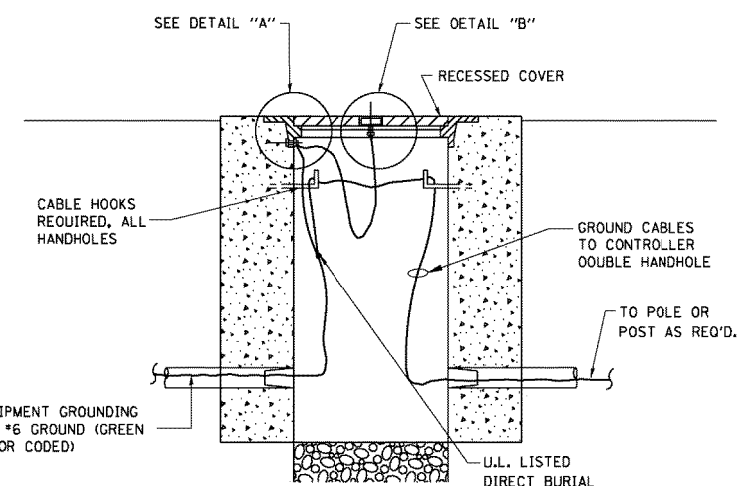


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**

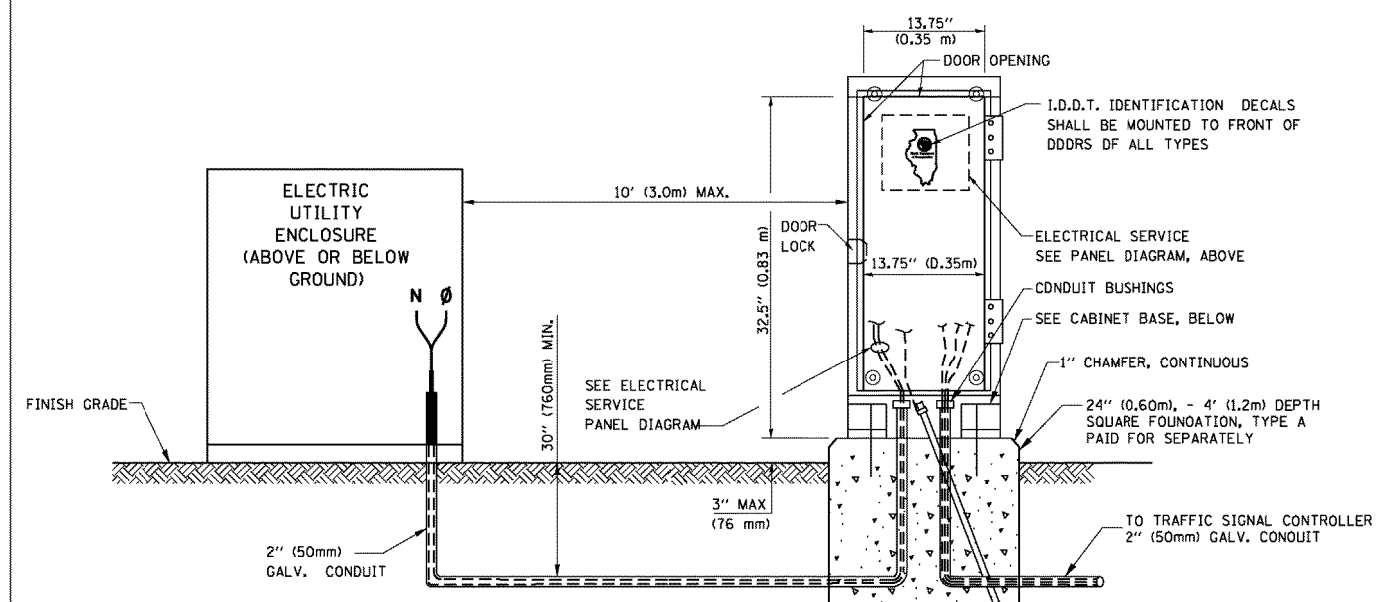
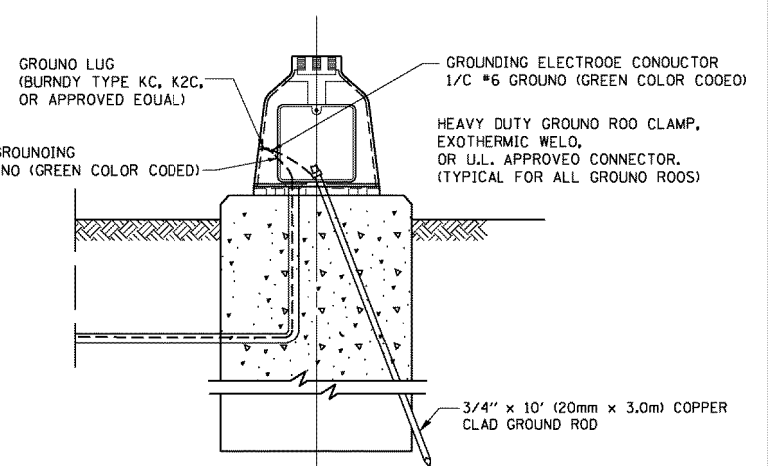
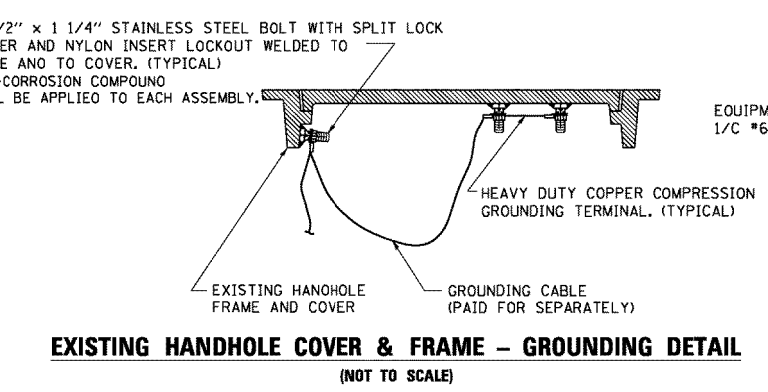


**NOTES:
GROUNDING SYSTEM**

- 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 ENCLASURE (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.
- 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.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

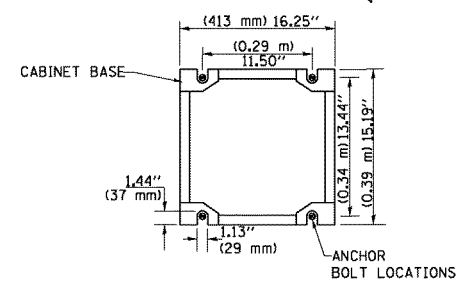


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



**SERVICE INSTALLATION GROUND MOUNT
(NOT TO SCALE)**

**CABINET - BASE BOLT PATTERN
(NOT TO SCALE)**



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	48
TS-05		CONTRACT NO. 61H55		
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				

TS-SHT NO. 4

FILE NAME =
USER NAME = footemj
DESIGNED - DAD
DRAWN - BCK
CHECKED - DAD
DATE - 10-28-09

DESIGNED - DAD
DRAWN - BCK
CHECKED - DAD
DATE - 10-28-09

DESIGNED - DAD
DRAWN - BCK
CHECKED - DAD
DATE - 10-28-09

DESIGNED - DAD
DRAWN - BCK
CHECKED - DAD
DATE - 10-28-09

DESIGNED - DAD
DRAWN - BCK
CHECKED - DAD
DATE - 10-28-09

DESIGNED - DAD
DRAWN - BCK
CHECKED - DAD
DATE - 10-28-09

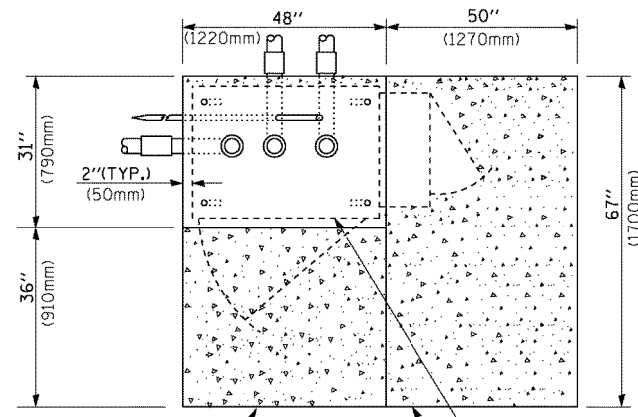
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DRAWN - BCK
CHECKED - DAD
DATE - 10-28-09

DESIGNED - DAD
DRAWN - BCK
CHECKED - DAD
DATE - 10-28-09

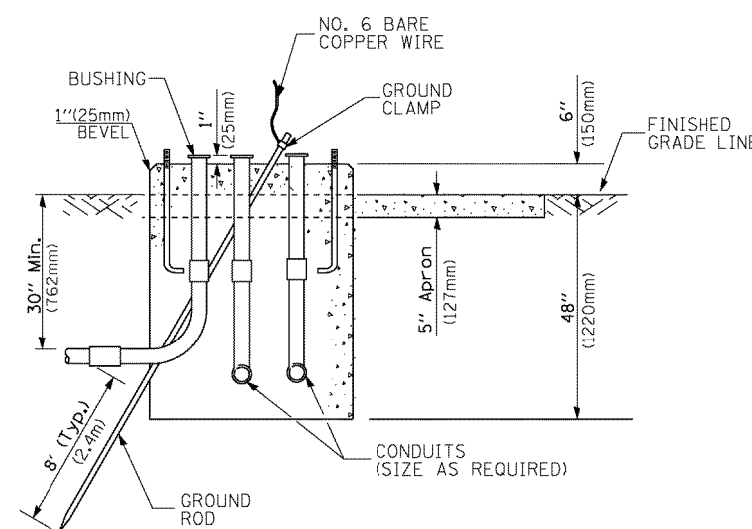
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DATE - 10-28-09

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DATE - 10-28-09

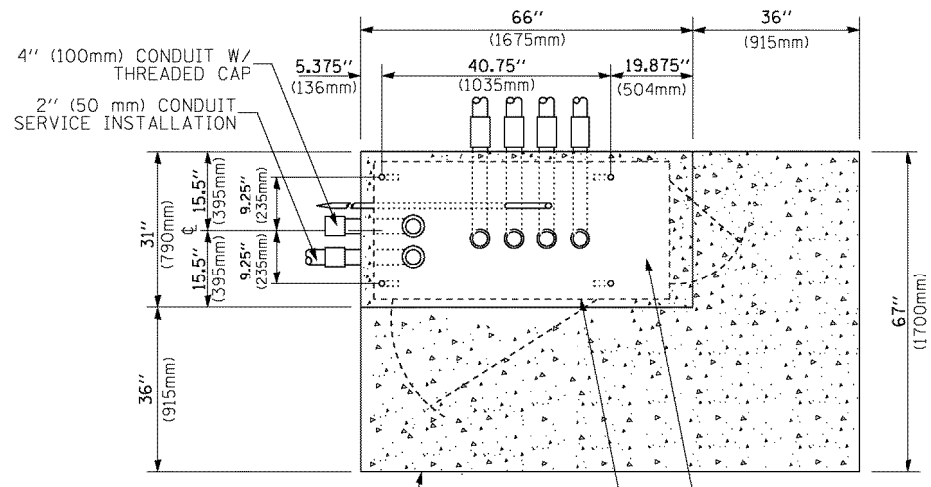
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CHECKED - DAD
DATE - 10-28-09



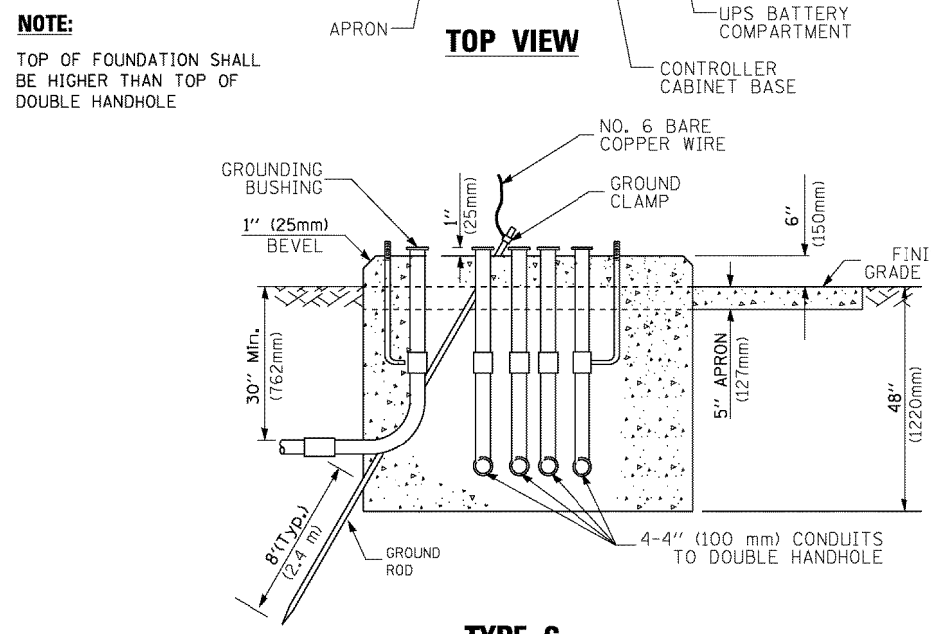
TOP VIEW



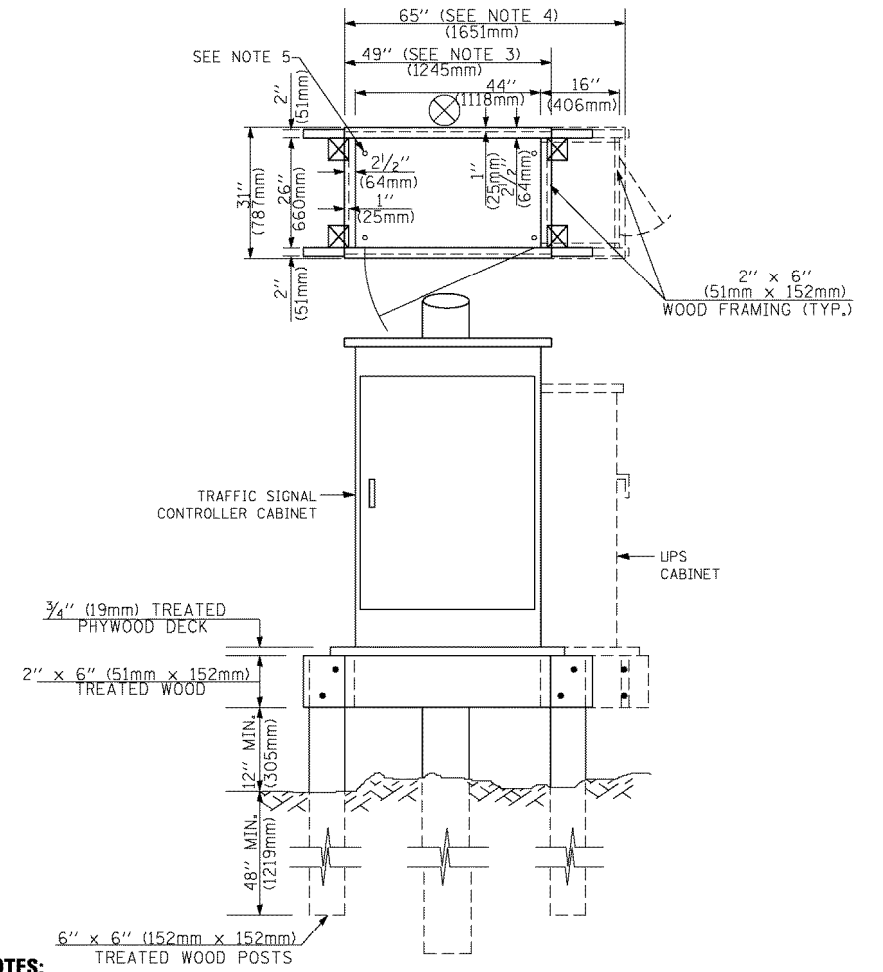
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



TOP VIEW



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

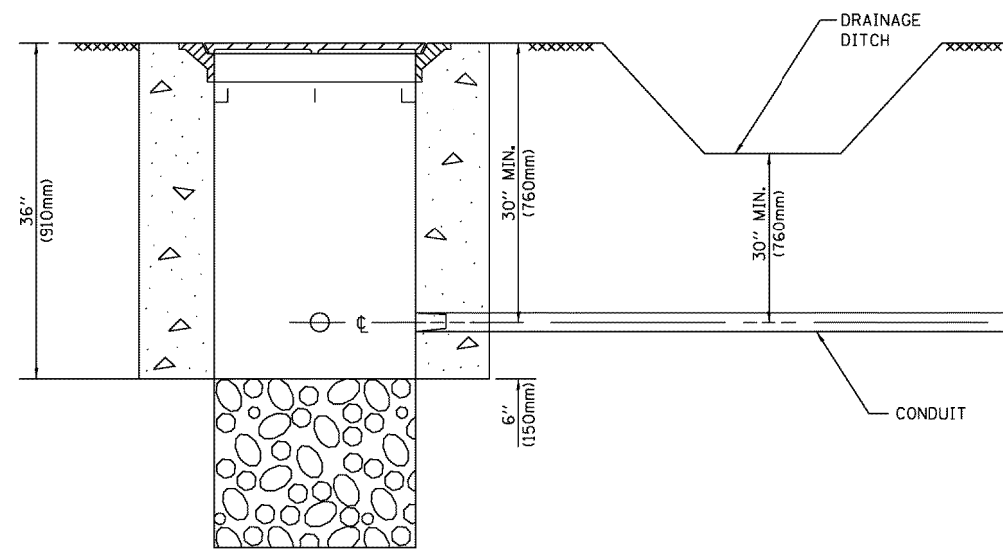
DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (UCS) > 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.

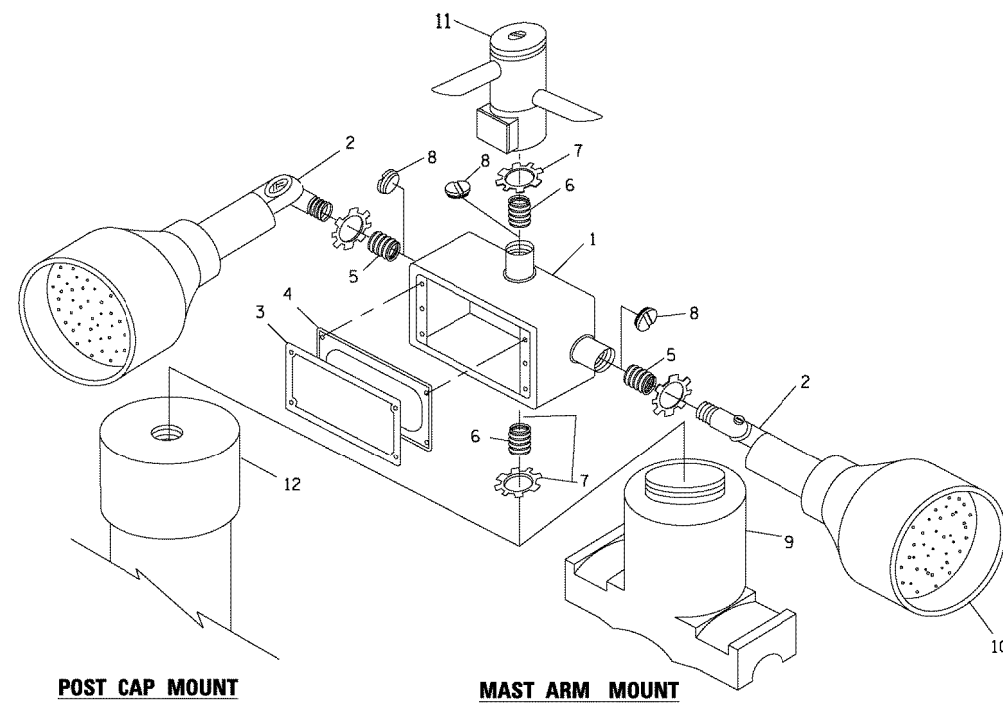
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



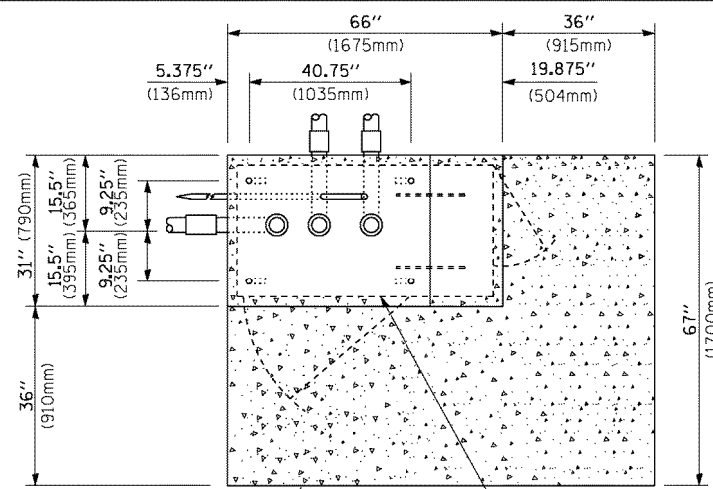
NOTES:

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.

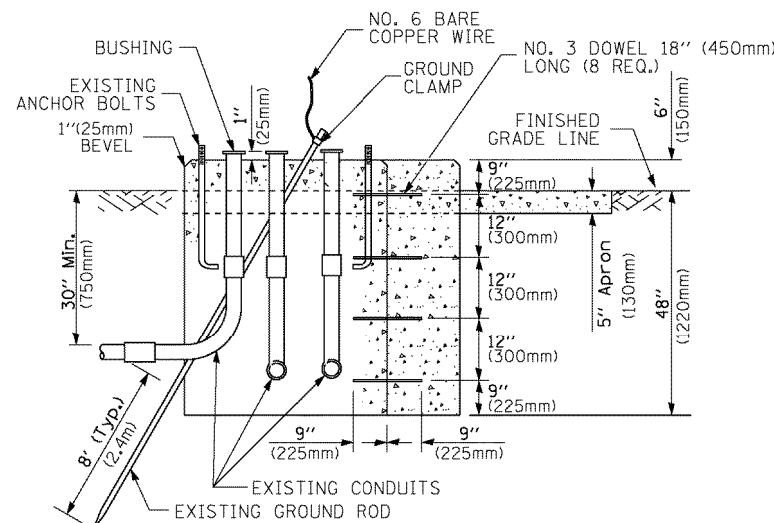
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

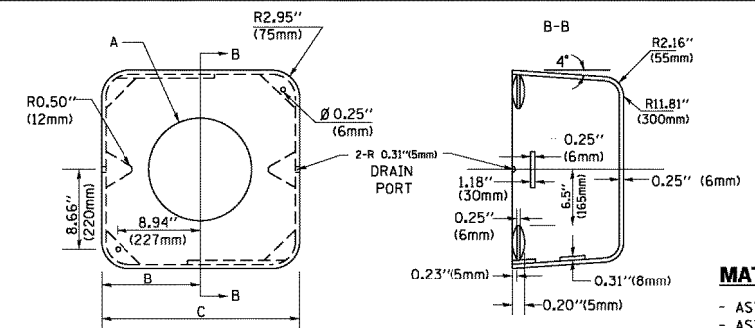


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- DZ/GEDNEY FSX-1-5D OR EQUIVALENT
ITEM #2- MULBERRY CON-D-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



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

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

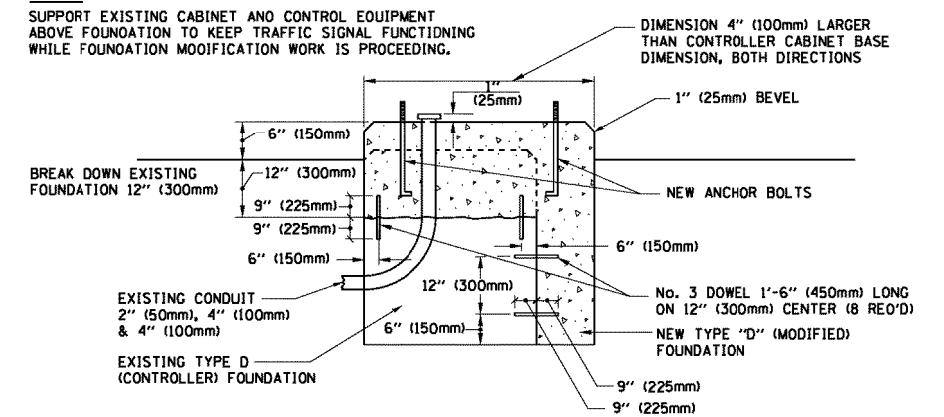
SHROUD

NOTES:

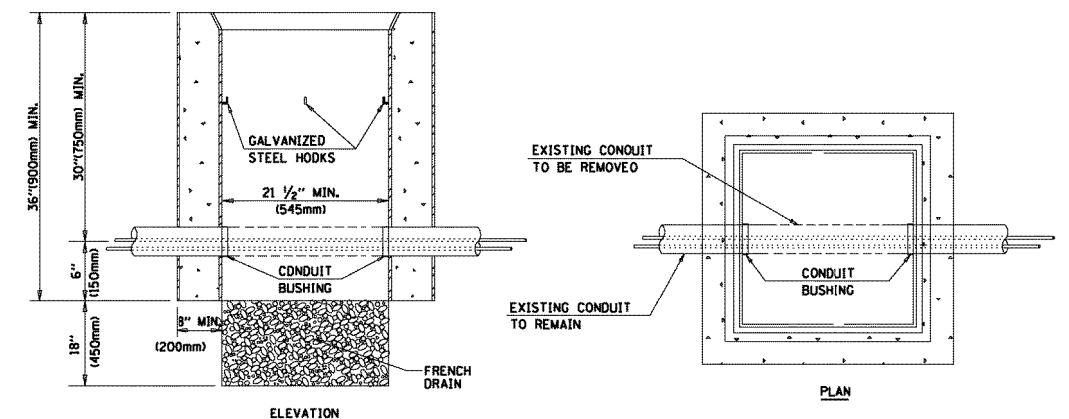
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
DRAWN - BCK	CHECKED - DAD	REVISIONS	
PLOT SCALE = 50.0000' / 1"	DATE - 10-28-09		
PLOT DATE = 1/13/2014			

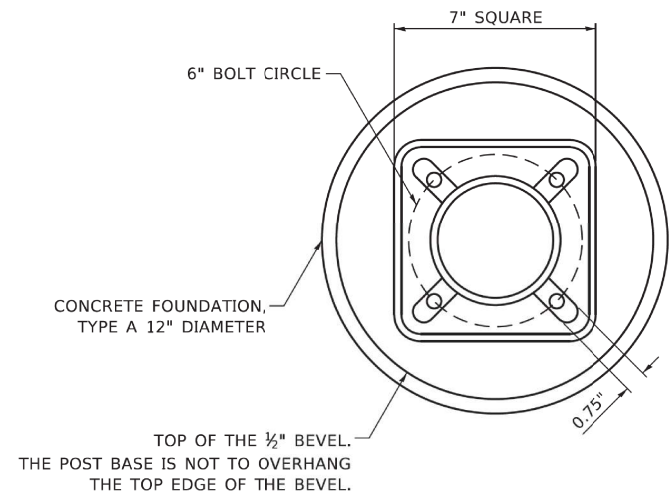
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

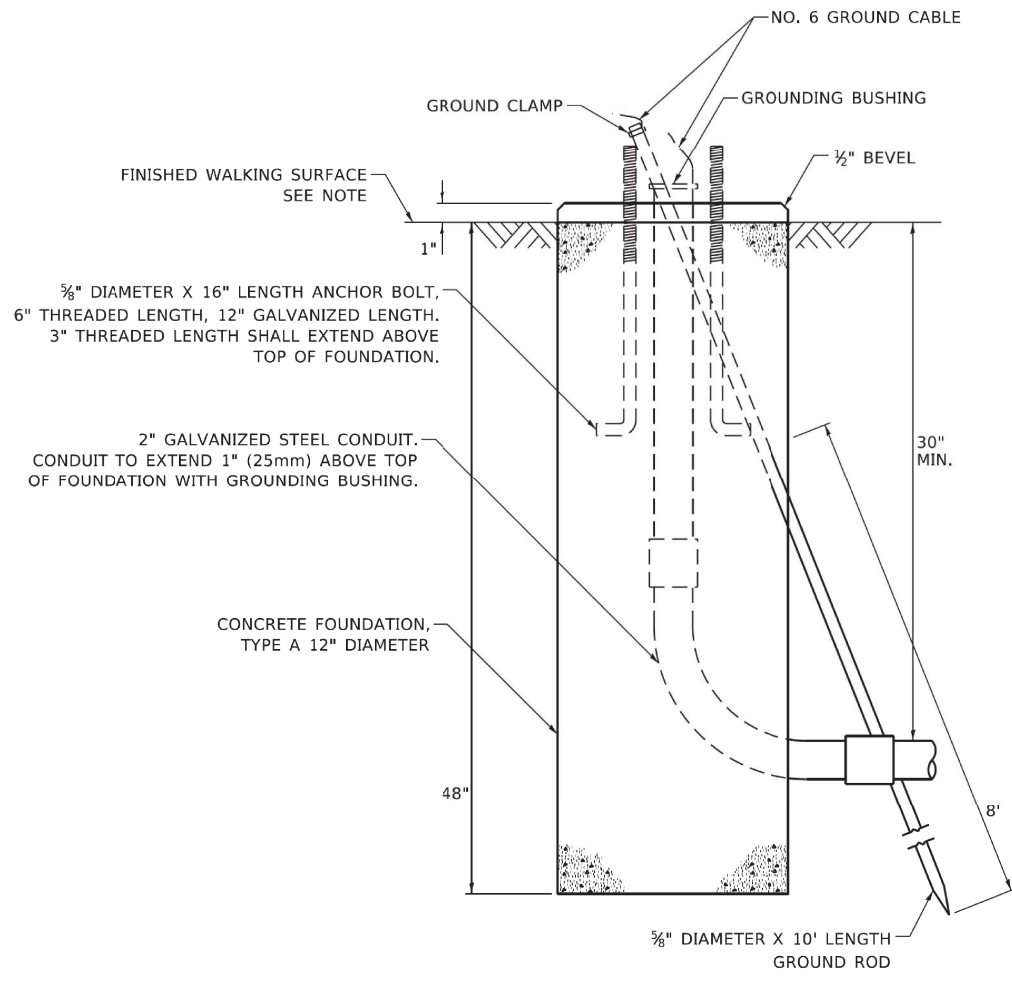
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	50
TS-05		CONTRACT NO. 61H55		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TS-SHT NO. 6
DATE: 4/3/2024

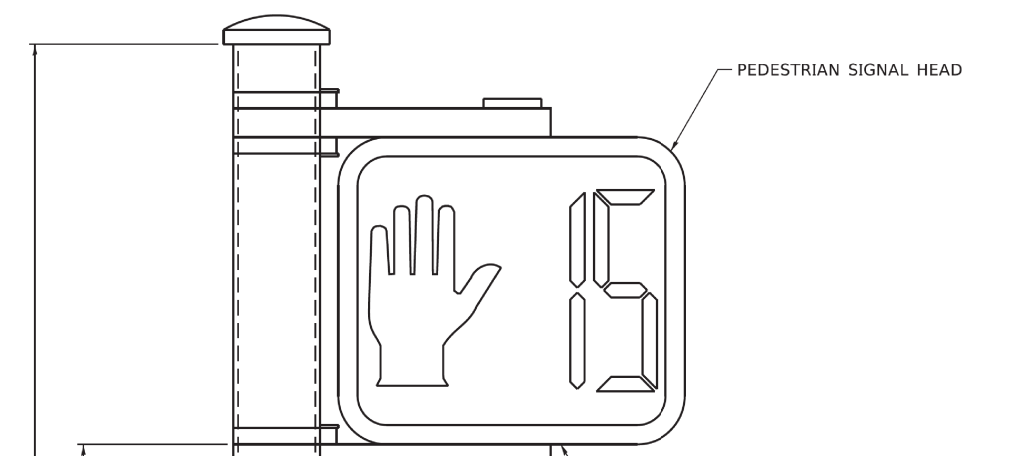


BOLT PATTERN

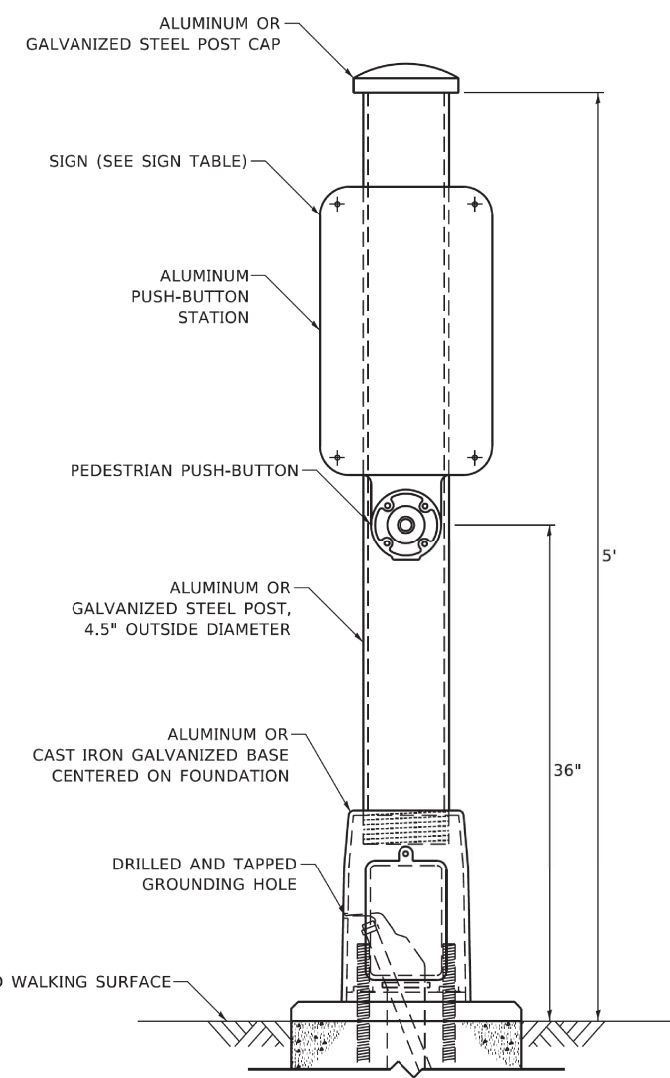
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



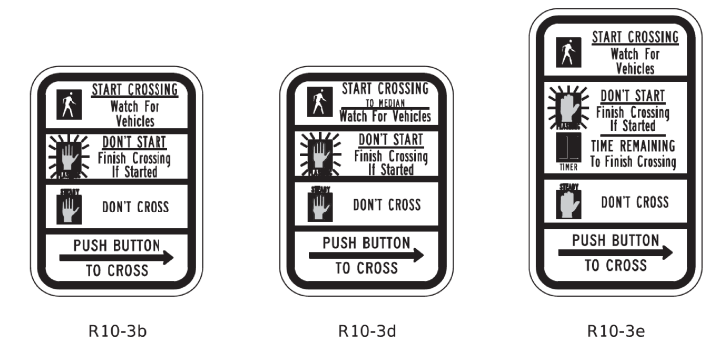
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



PEDESTRIAN SIGNAL POST, 5 FT.



SIGN TABLE

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

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

TS SHIT NO. 7
 MODEL Detail
 FILE Name: 33070Design\Ivan11_Other\PedestrianPost\PedestrianSignalPost_WorkingFile\CD-NOT-USE.dgn
 4/3/2024

USER NAME = plascencal	DESIGNED - IP	REVISED - 10/15/2020
PLOT SCALE = 100.0000' / in.	DRAWN - IP	REVISED -
PLOT DATE = 11/17/2020	CHECKED - LP	REVISED -
	DATE - 10/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**
 SCALE: NTS SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 1581	SECTION 17-00032-00-CH	COUNTY COOK	TOTAL SHEETS 112	SHEET NO. 51
TS-05		CONTRACT NO. 61H55		
ILLINOIS FED. AID PROJECT				

REMOVAL NOTES:

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

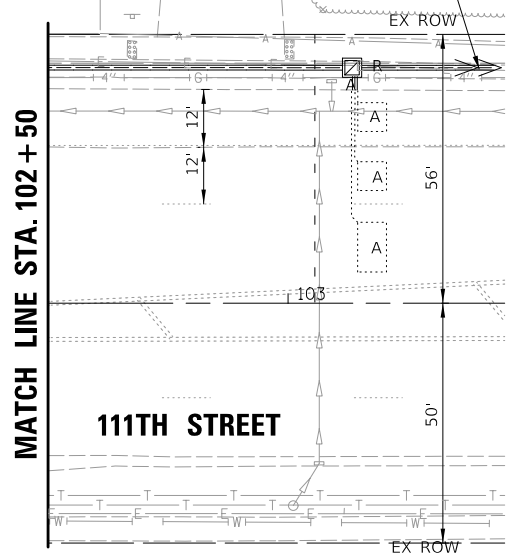
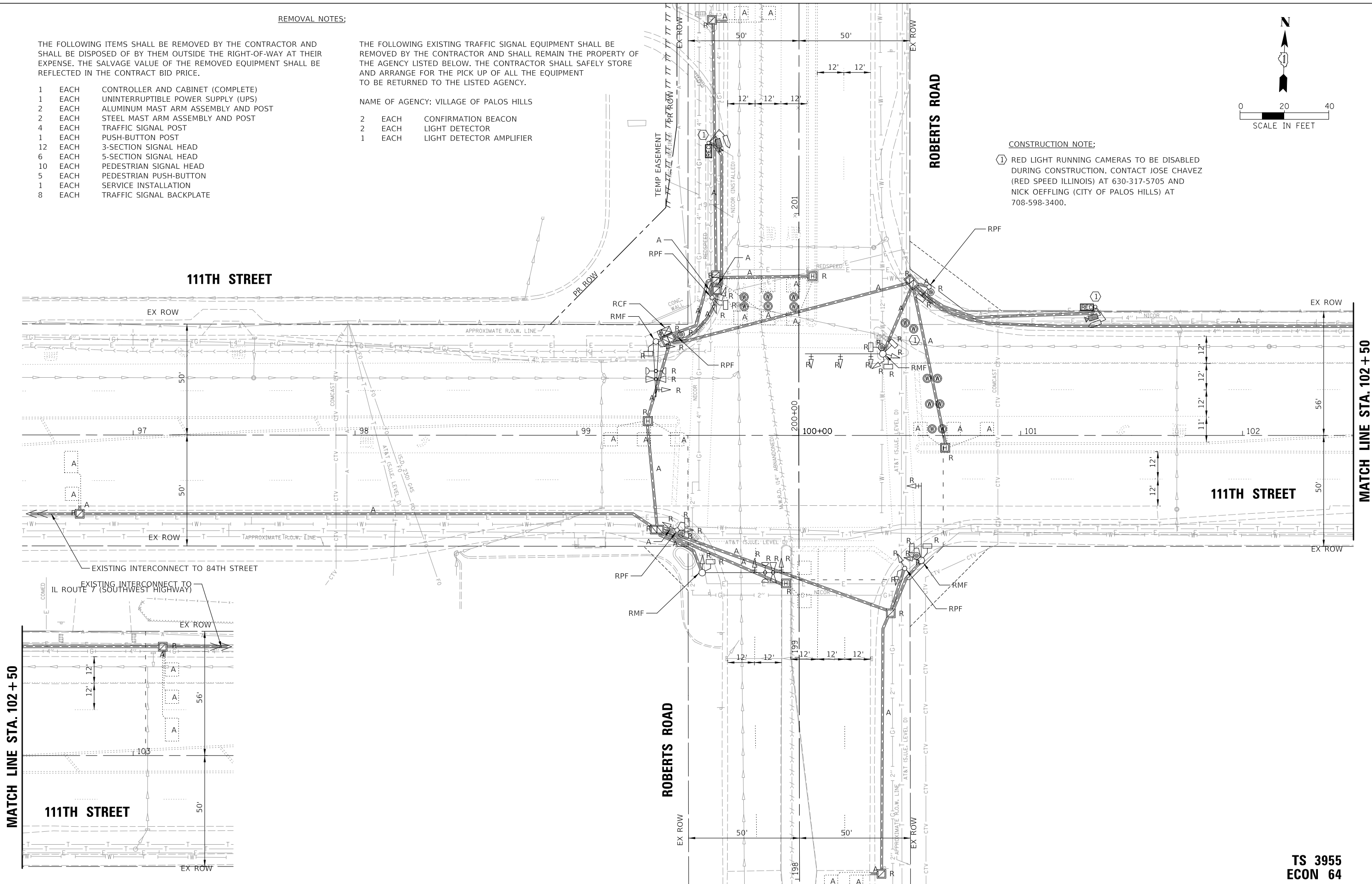
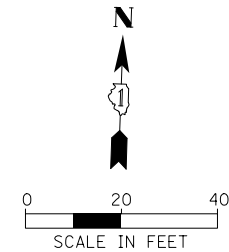
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH UNINTERRUPTIBLE POWER SUPPLY (UPS)
- 2 EACH ALUMINUM MAST ARM ASSEMBLY AND POST
- 2 EACH STEEL MAST ARM ASSEMBLY AND POST
- 4 EACH TRAFFIC SIGNAL POST
- 1 EACH PUSH-BUTTON POST
- 12 EACH 3-SECTION SIGNAL HEAD
- 6 EACH 5-SECTION SIGNAL HEAD
- 10 EACH PEDESTRIAN SIGNAL HEAD
- 5 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 8 EACH TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

- NAME OF AGENCY: VILLAGE OF PALOS HILLS
- 2 EACH CONFIRMATION BEACON
 - 2 EACH LIGHT DETECTOR
 - 1 EACH LIGHT DETECTOR AMPLIFIER

CONSTRUCTION NOTE:

- ① RED LIGHT RUNNING CAMERAS TO BE DISABLED DURING CONSTRUCTION. CONTACT JOSE CHAVEZ (RED SPEED ILLINOIS) AT 630-317-5705 AND NICK OEFFLING (CITY OF PALOS HILLS) AT 708-598-3400.



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL EQUIPMENT
REMOVAL PLAN
111TH STREET AND ROBERTS ROAD**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	52
CONTRACT NO. 61H55				

SCALE: #SCALESHORT SHEET OF SHEETS STA. TO STA.

**TS 3955
ECON 64**

TS SHT NO. 8
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 924-9500

USER NAME	DESIGNED	REVISED
aschoefer	- BG	-
DRAWN	CHECKED	DATE
- FB	- GMZ	- 5/25/2021
PLOT SCALE	PLOT DATE	REMOVED
= 28'	= 4/3/2024	-



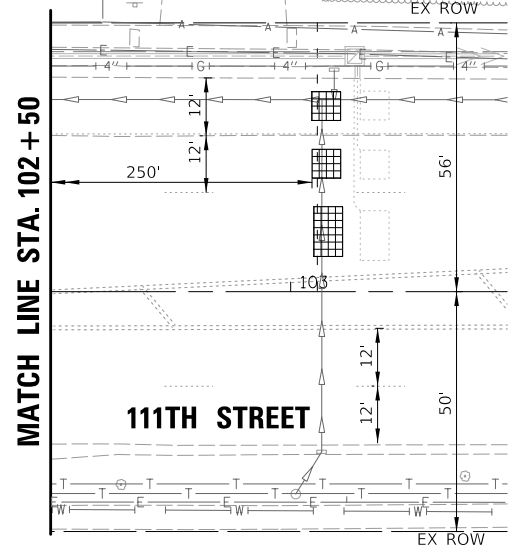
MOT - EXISTING

ROBERTS ROAD

111TH STREET

111TH STREET

MATCH LINE STA. 102 + 50



APPROX. STA. 99+35.73 68.15' RT
(WITH DUAL LUMINAIRES ON 15' ARMS)

SIGN (A)
**LEFT ON GREEN
ARROW ONLY**
R10-5
30" X 36"
(4-REQUIRED)

APPROX. STA. 100+48.52 71.79' RT
(WITH LUMINAIRE ON 15' ARM)

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITION
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
111TH STREET AND ROBERTS ROAD**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	53
CONTRACT NO. 61H55				

SCALE: #SCALESHORT SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

TS SHT NO. 9

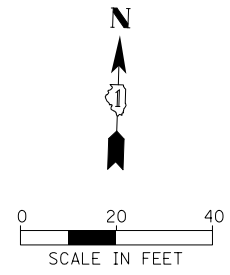
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(647) 824-2500

USER NAME = aschaefer
PLOT SCALE = 28'
PLOT DATE = 4/3/2024

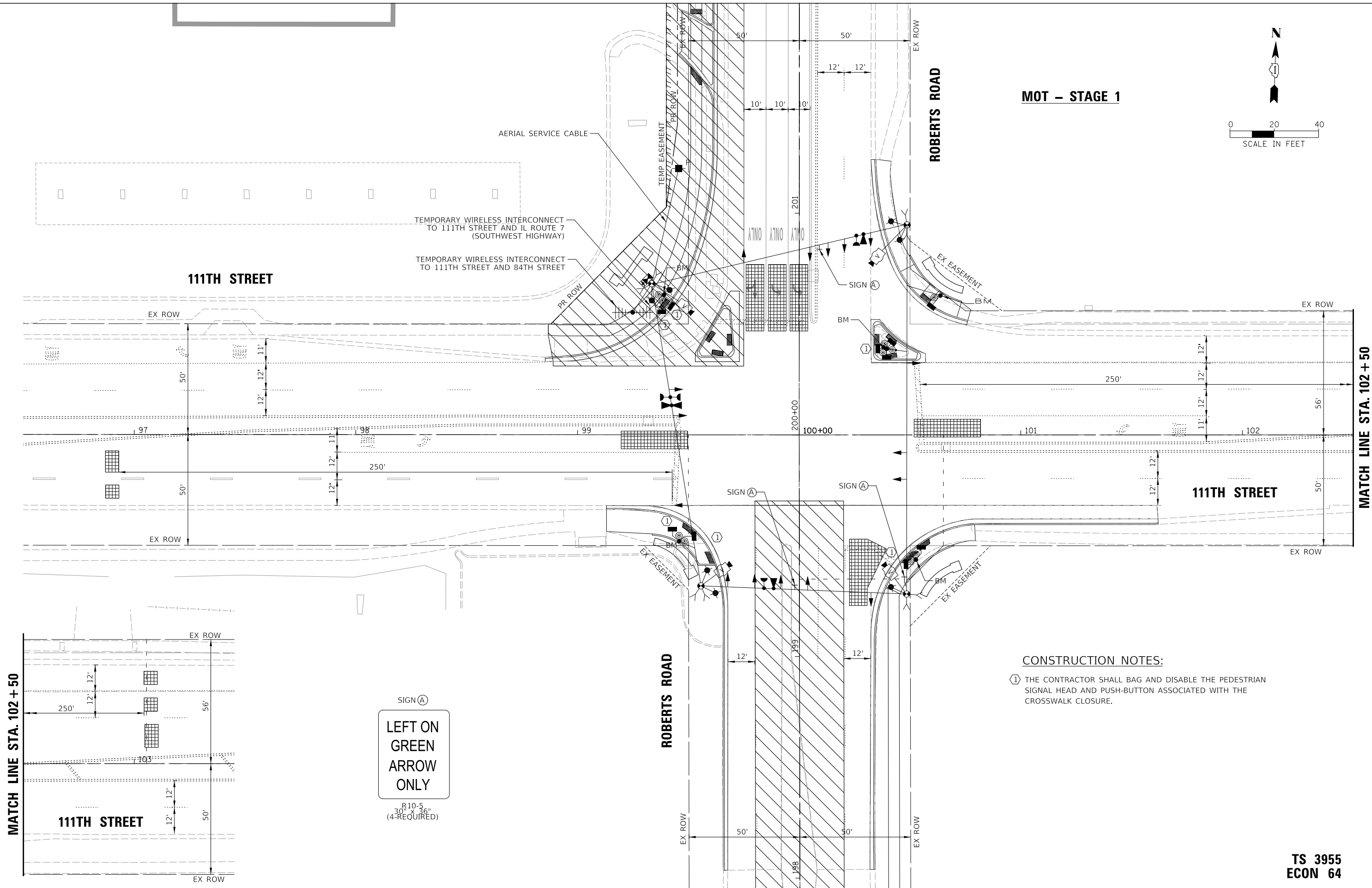
DESIGNED - BG
DRAWN - FB
CHECKED - GMZ
DATE - 5/25/2021

REVISED -
REVISED -
REVISED -
REVISED -

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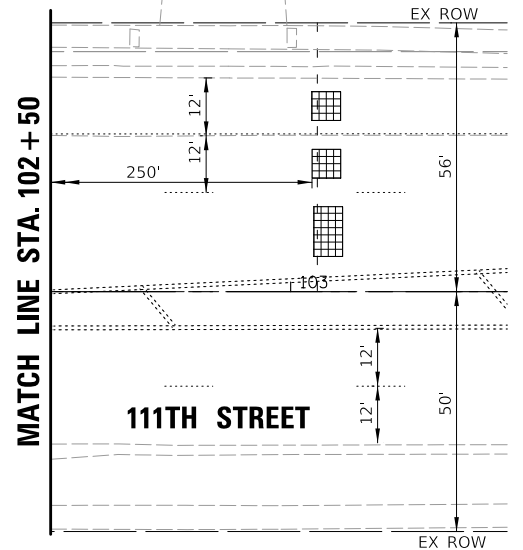


MOT - STAGE 1



CONSTRUCTION NOTES:
 ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON ASSOCIATED WITH THE CROSSWALK CLOSURE.

SIGN (A)
LEFT ON GREEN ARROW ONLY
 R10-5
 30" X 36"
 (4-REQUIRED)

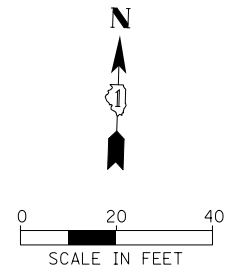


**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MOT - STAGE 1
 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 111TH STREET AND ROBERTS ROAD**
 SCALE: #SCALESHEET OF SHEETS STA. TO STA.

**TS 3955
 ECON 64**

TS SHT. NO. 10 CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (647) 824-4500	USER NAME = aschaefer	DESIGNED - BG	REVISED -	CONTRACT NO. 61H55 ILLINOIS FED. AID PROJECT
	PLOT SCALE = 28'	DRAWN - FB	REVISED -	
	PLOT DATE = 4/3/2024	CHECKED - GMZ	REVISED -	
	DATE = 5/25/2021	REVISED -	REVISED -	



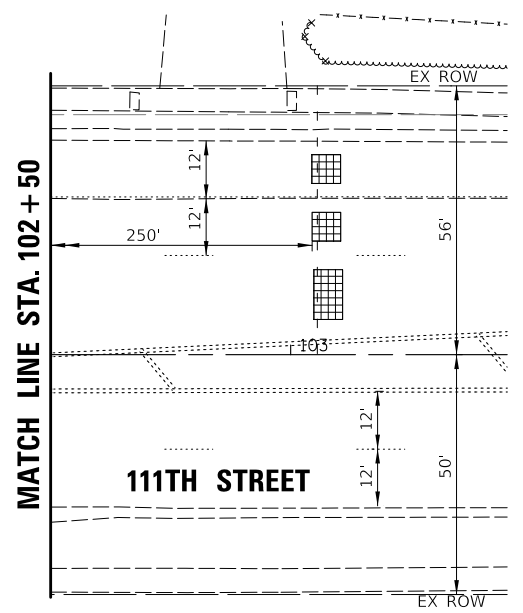
MOT - STAGE 2

ROBERTS ROAD

111TH STREET

111TH STREET

MATCH LINE STA. 102 + 50



CONSTRUCTION NOTE:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON ASSOCIATED WITH THE CROSSWALK CLOSURE.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MOT - STAGE 2
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
111TH STREET AND ROBERTS ROAD**

**TS 3955
ECON 64**

TS_SHT_NO.11
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-4500

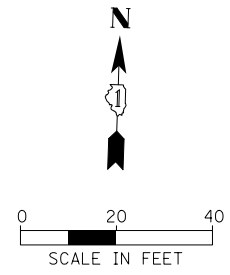
USER NAME = aschaefer	DESIGNED - BG	REVISED -
PLOT SCALE = 28'	DRAWN - FB	REVISED -
PLOT DATE = 4/3/2024	CHECKED - GMZ	REVISED -
	DATE - 5/25/2021	REVISED -

DESIGNED - BG	REVISED -
DRAWN - FB	REVISED -
CHECKED - GMZ	REVISED -
DATE - 5/25/2021	REVISED -

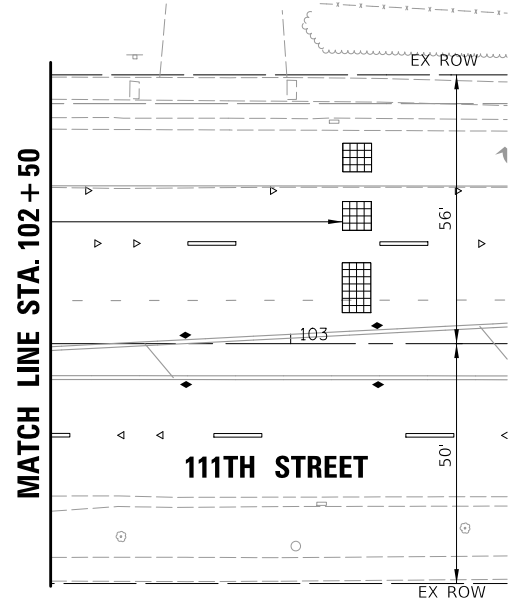
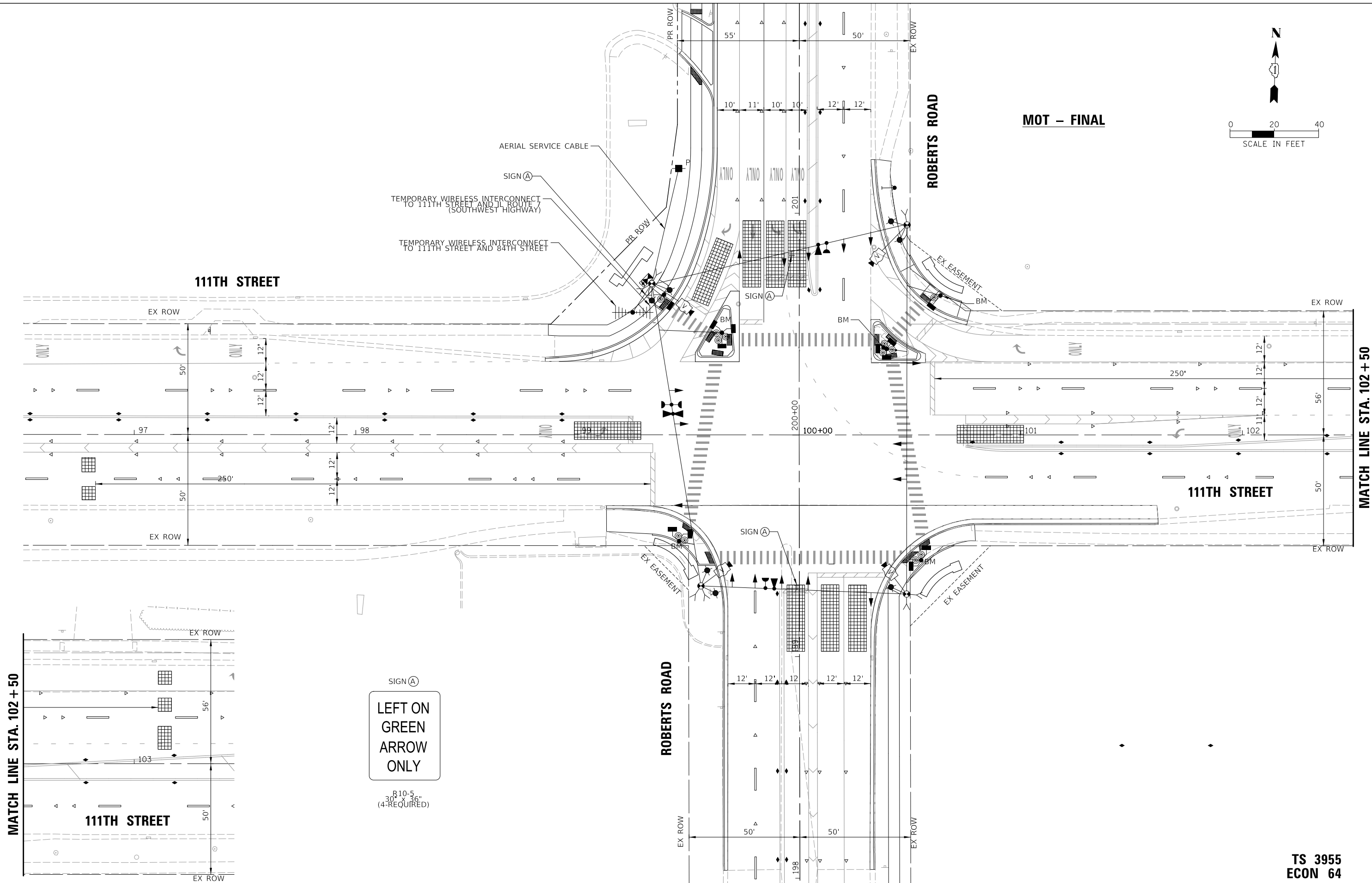
SCALE: #SCALESHORT SHEET		OF SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	55
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				

N:\PALOSHILLS\210057\Traffic\04_TS-210057_TMP Stage 2.dgn



MOT - FINAL



TS SHT. NO. 12
CB
 CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 824-4500

USER NAME = aschaefer	DESIGNED - BG	REVISED -
DRAWN - FB	REVISED -	
PLOT SCALE = 28'	CHECKED - GMZ	REVISED -
PLOT DATE = 4/3/2024	DATE - 5/25/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

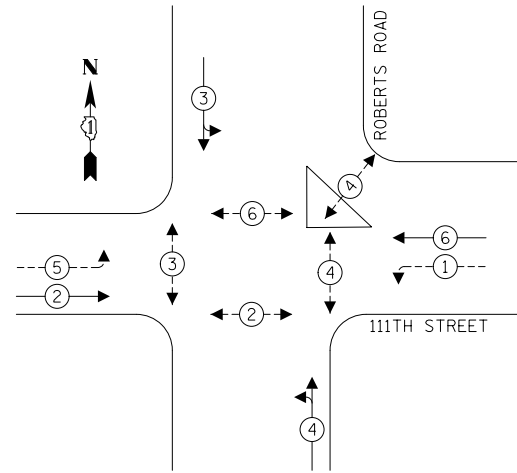
**FINAL GEOMETRY
 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 111TH STREET AND ROBERTS ROAD**
 SCALE: #SCALESHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	56
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				

**TS 3955
 ECON 64**

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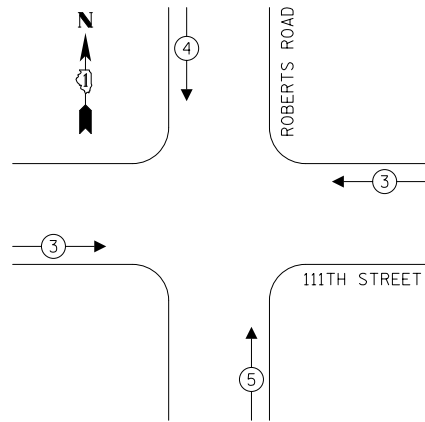
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TEMPORARY WIRELESS INTERCONNECT TO 111TH STREET AND IL ROUTE 7 (SOUTHWEST HIGHWAY)

TEMPORARY WIRELESS INTERCONNECT TO 111TH STREET AND 84TH STREET

111TH STREET

ROBERTS ROAD

**EXISTING CONDITION
TEMPORARY CABLE PLAN
(NOT TO SCALE)**

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	18	10	10	18.0
PED. SIGNAL	10	20	100	200.0
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	7	250	50	875.0
TOTAL =				1558.4

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: NEW PHONE
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

TS SHT NO. 13

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(647) 824-4500

USER NAME = aschaefer	DESIGNED - BG	REVISED -
PLOT SCALE = 28'	DRAWN - FB	REVISED -
PLOT DATE = 4/3/2024	CHECKED - GMZ	REVISED -
	DATE - 5/25/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

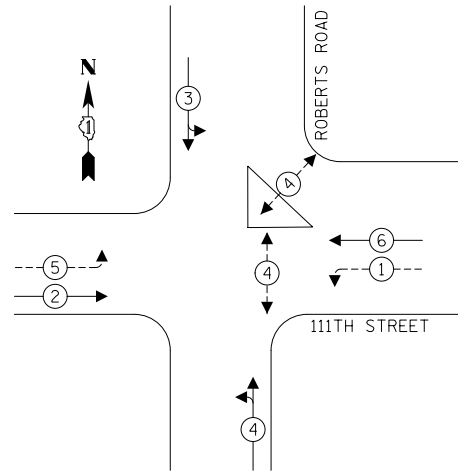
**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION
DIAGRAM, AND TEMPORARY VEHICLE PREEMPTION SEQUENCE
111TH STREET AND ROBERTS ROAD**

SCALE: # SCALESHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	57
CONTRACT NO. 61H55				

**TS 3955
ECON 64**

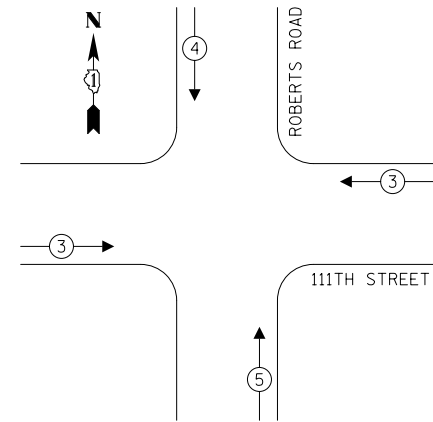
TEMPORARY CONTROLLER SEQUENCE



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)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	18	10	10	18.0
PED. SIGNAL	4	20	100	80.0
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	7	250	50	875.0
TOTAL =				1438.4

ENERGY COSTS TO:

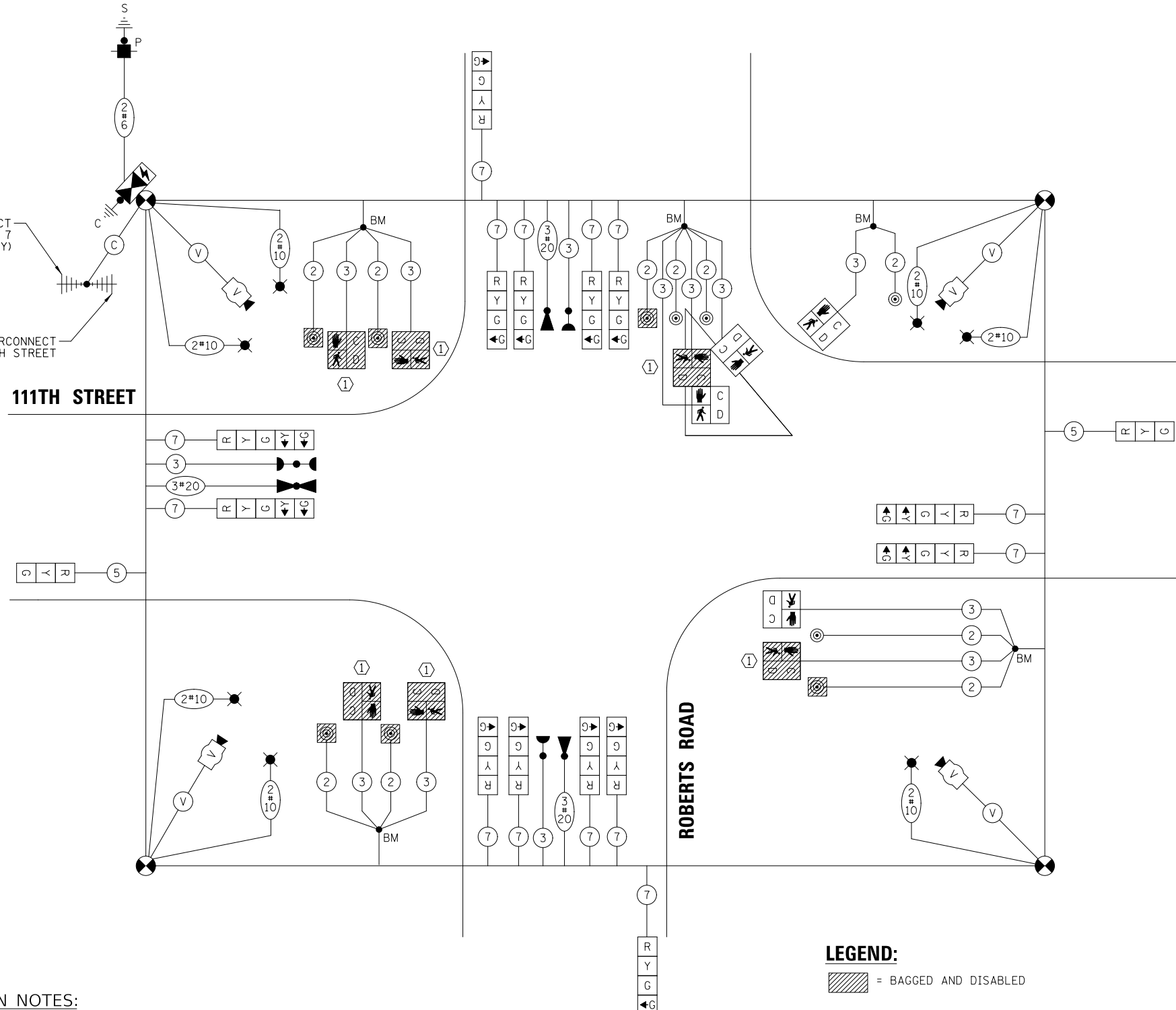
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: NEW PHONE
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

TEMPORARY WIRELESS INTERCONNECT TO 111TH STREET AND IL ROUTE 7 (SOUTHWEST HIGHWAY)

TEMPORARY WIRELESS INTERCONNECT TO 111TH STREET AND 84TH STREET

111TH STREET

ROBERTS ROAD



CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON ASSOCIATED WITH THE CROSSWALK CLOSURE.

**MOT STAGE 1
 TEMPORARY CABLE PLAN**
 (NOT TO SCALE)

LEGEND:

▨ = BAGGED AND DISABLED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION
 DIAGRAM, AND TEMPORARY VEHICLE PREEMPTION SEQUENCE
 111TH STREET AND ROBERTS ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	58
CONTRACT NO. 61H55				

**TS 3955
 ECON 64**

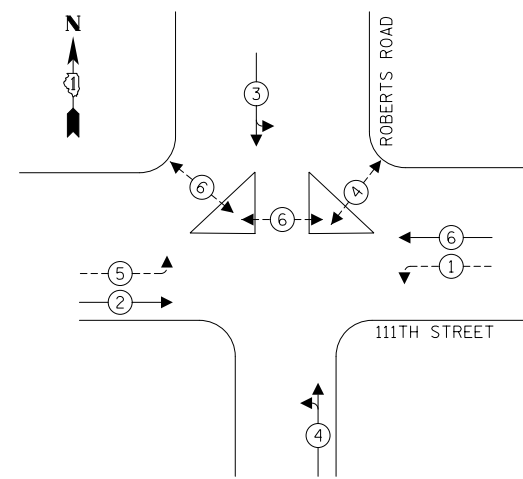
TS SHT NO. 14

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 823-4500

USER NAME =	aschoefer
DESIGNED -	BG
DRAWN -	FB
CHECKED -	GMZ
DATE -	5/25/2021
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	
PLOT SCALE =	28'
PLOT DATE =	4/3/2024

SCALE: # SCALES	SHORT SHEET	OF SHEETS	STA.	TO STA.
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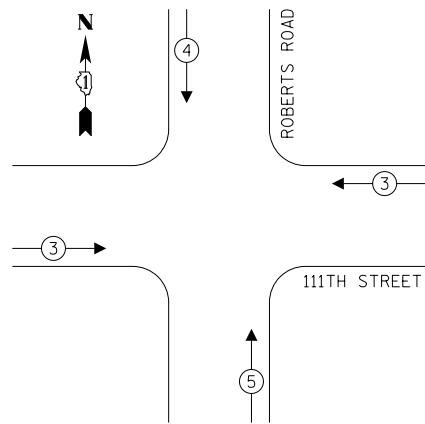
TEMPORARY CONTROLLER SEQUENCE



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)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	18	10	10	18.0
PED. SIGNAL	4	20	100	80.0
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	7	250	50	875.0
TOTAL =				1438.4

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: NEW PHONE
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

TEMPORARY WIRELESS INTERCONNECT TO 111TH STREET AND IL ROUTE 7 (SOUTHWEST HIGHWAY)

TEMPORARY WIRELESS INTERCONNECT TO 111TH STREET AND 84TH STREET

111TH STREET

ROBERTS ROAD

CONSTRUCTION NOTE:

- ① THE CONTRACTOR SHALL BAG AND DISABLE THE PEDESTRIAN SIGNAL HEAD AND PUSH-BUTTON ASSOCIATED WITH THE CROSSWALK CLOSURE.

LEGEND:

- = BAGGED AND DISABLED

**MOT STAGE 2
 TEMPORARY CABLE PLAN**
 (NOT TO SCALE)

**TS 3955
 ECON 64**

TS_SHT_NO. 15

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 824-4500

USER NAME =	aschoefer
DESIGNED -	BG
DRAWN -	FB
CHECKED -	GMZ
DATE -	5/25/2021
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

DESIGNED -	BG	REVISED -	
DRAWN -	FB	REVISED -	
CHECKED -	GMZ	REVISED -	
DATE -	5/25/2021	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

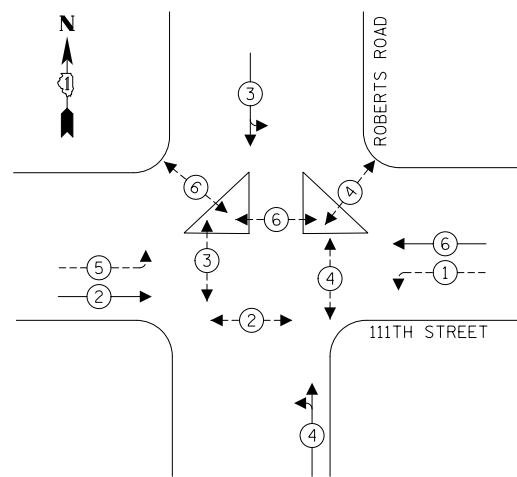
**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION
 DIAGRAM, AND TEMPORARY VEHICLE PREEMPTION SEQUENCE
 111TH STREET AND ROBERTS ROAD**

SCALE: # SCALESHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	59
CONTRACT NO. 61H55				

ILLINOIS FED. AID PROJECT

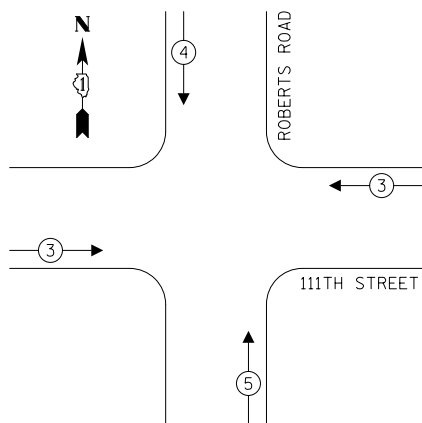
TEMPORARY CONTROLLER SEQUENCE



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)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	18	10	10	18.0
PED. SIGNAL	10	20	100	200.0
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	7	250	50	875.0
TOTAL =				1558.4

ENERGY COSTS TO:

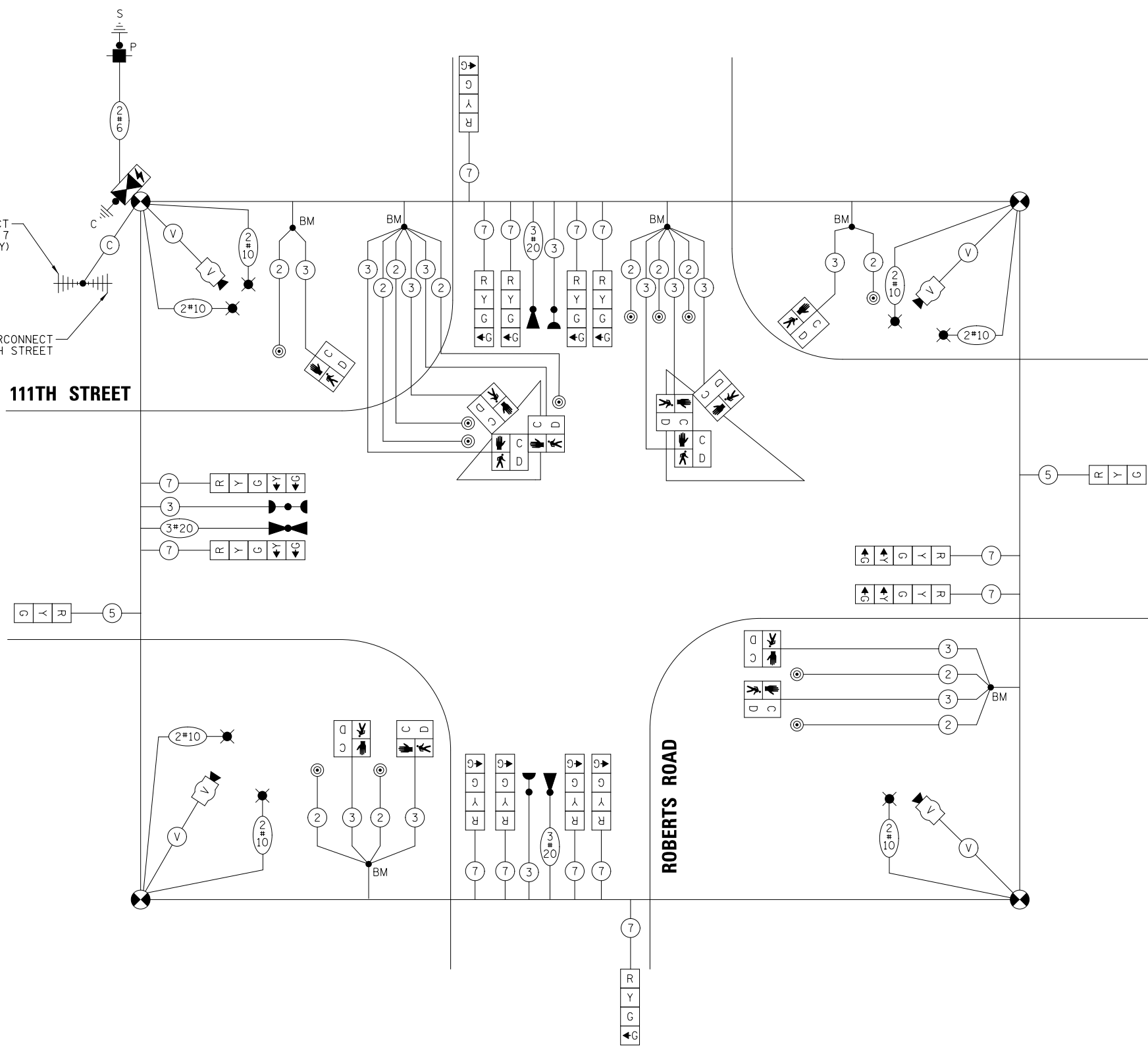
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY: CONTACT: NEW BUSINESS
 PHONE: NEW PHONE
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

TEMPORARY WIRELESS INTERCONNECT TO 111TH STREET AND IL ROUTE 7 (SOUTHWEST HIGHWAY)

TEMPORARY WIRELESS INTERCONNECT TO 111TH STREET AND 84TH STREET

111TH STREET

ROBERTS ROAD



**FINAL GEOMETRY
 TEMPORARY CABLE PLAN**
 (NOT TO SCALE)

**TS 3955
 ECON 64**

TS SHT. NO. 16

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (947) 824-4500

USER NAME = aschoefer
 DRAWN = FB
 CHECKED = GMZ
 DATE = 5/25/2021
 PLOT SCALE = 28'
 PLOT DATE = 4/3/2024

DESIGNED - BG
 REVISIONS:
 REVISIONS:
 REVISIONS:
 REVISIONS:

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION
 DIAGRAM, AND TEMPORARY VEHICLE PREEMPTION SEQUENCE
 111TH STREET AND ROBERTS ROAD**

SCALE: # SCALESHEET SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	60
CONTRACT NO. 61H55				

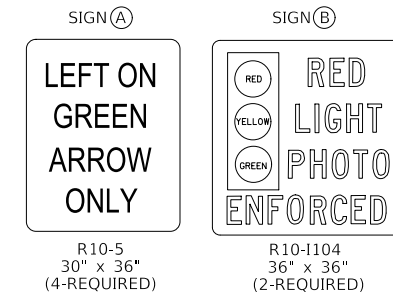
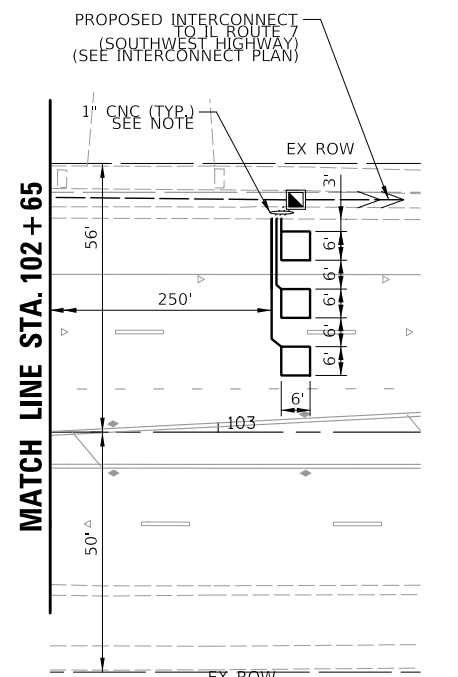
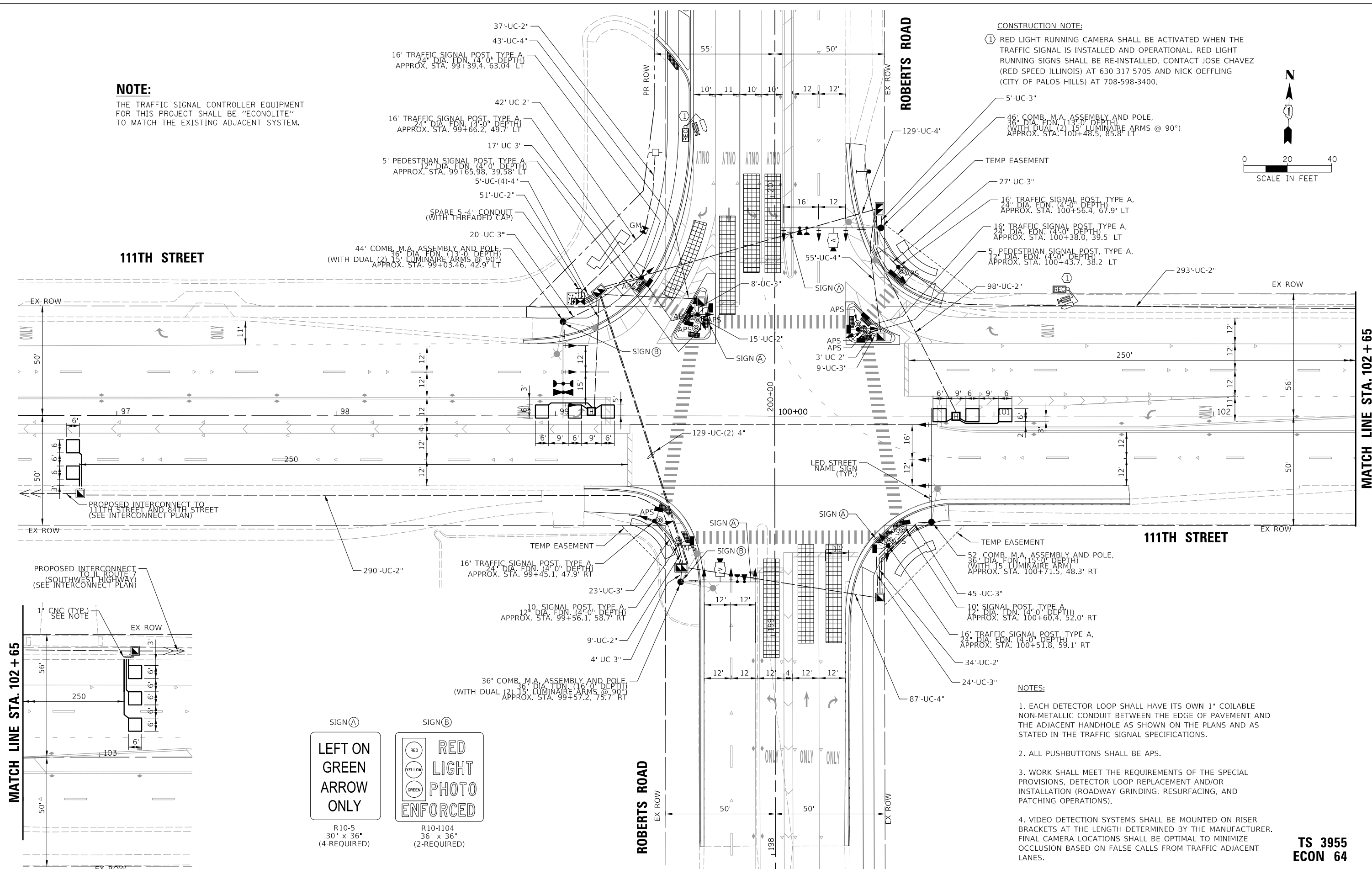
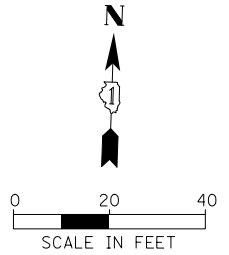
ILLINOIS FED. AID PROJECT

NOTE:

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

CONSTRUCTION NOTE:

① RED LIGHT RUNNING CAMERA SHALL BE ACTIVATED WHEN THE TRAFFIC SIGNAL IS INSTALLED AND OPERATIONAL. RED LIGHT RUNNING SIGNS SHALL BE RE-INSTALLED. CONTACT JOSE CHAVEZ (RED SPEED ILLINOIS) AT 630-317-5705 AND NICK OEFFLING (CITY OF PALOS HILLS) AT 708-598-3400.



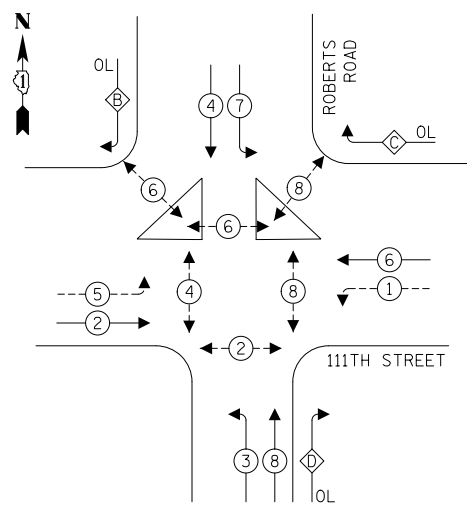
NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. ALL PUSHBUTTONS SHALL BE APS.
3. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
4. VIDEO DETECTION SYSTEMS SHALL BE MOUNTED ON RISER BRACKETS AT THE LENGTH DETERMINED BY THE MANUFACTURER. FINAL CAMERA LOCATIONS SHALL BE OPTIMAL TO MINIMIZE OCCLUSION BASED ON FALSE CALLS FROM TRAFFIC ADJACENT LANES.

TS SHIT. NO. 17 CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (647) 824-4500	USER NAME = aschaefer PLOT SCALE = 28' PLOT DATE = 4/3/2024	DESIGNED - BG DRAWN - FB CHECKED - GMZ DATE - 5/25/2021	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN 111TH STREET AND ROBERTS ROAD	F.A.U. RTE. 1581 SECTION 17-00032-00-CH COUNTY COOK TOTAL SHEETS 112 SHEET NO. 61	CONTRACT NO. 61H55 ILLINOIS FED. AID PROJECT
	SCALE: #SCALESHEET OF SHEETS STA. TO STA.						

TS 3955
ECON 64

PROPOSED CONTROLLER SEQUENCE



LEGEND:

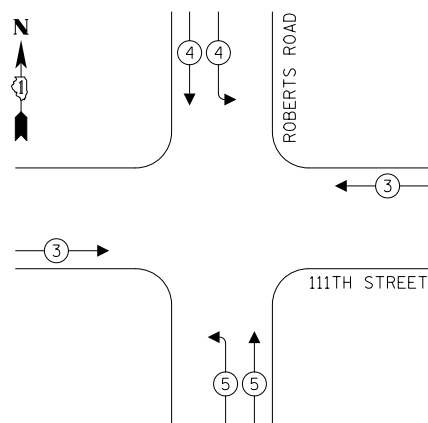
- ← * → PROTECTED PHASE
- ← * - - * → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

RIGHT TURN OVERLAP

PHASE DESIGNATION:

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

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	11	50	121.0
(YELLOW)	22	20	5	22.0
(GREEN)	22	12	45	118.8
PERMISSIVE ARROW	24	10	10	24.0
PED. SIGNAL	12	20	100	240.0
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	4	120	50	240.0
LUMINAIRE	7	250	50	875.0
TOTAL =				1765.8

ENERGY COSTS TO:
CITY OF PALOS HILLS
10335 S. ROBERTS ROAD
PALOS HILLS, IL 60465

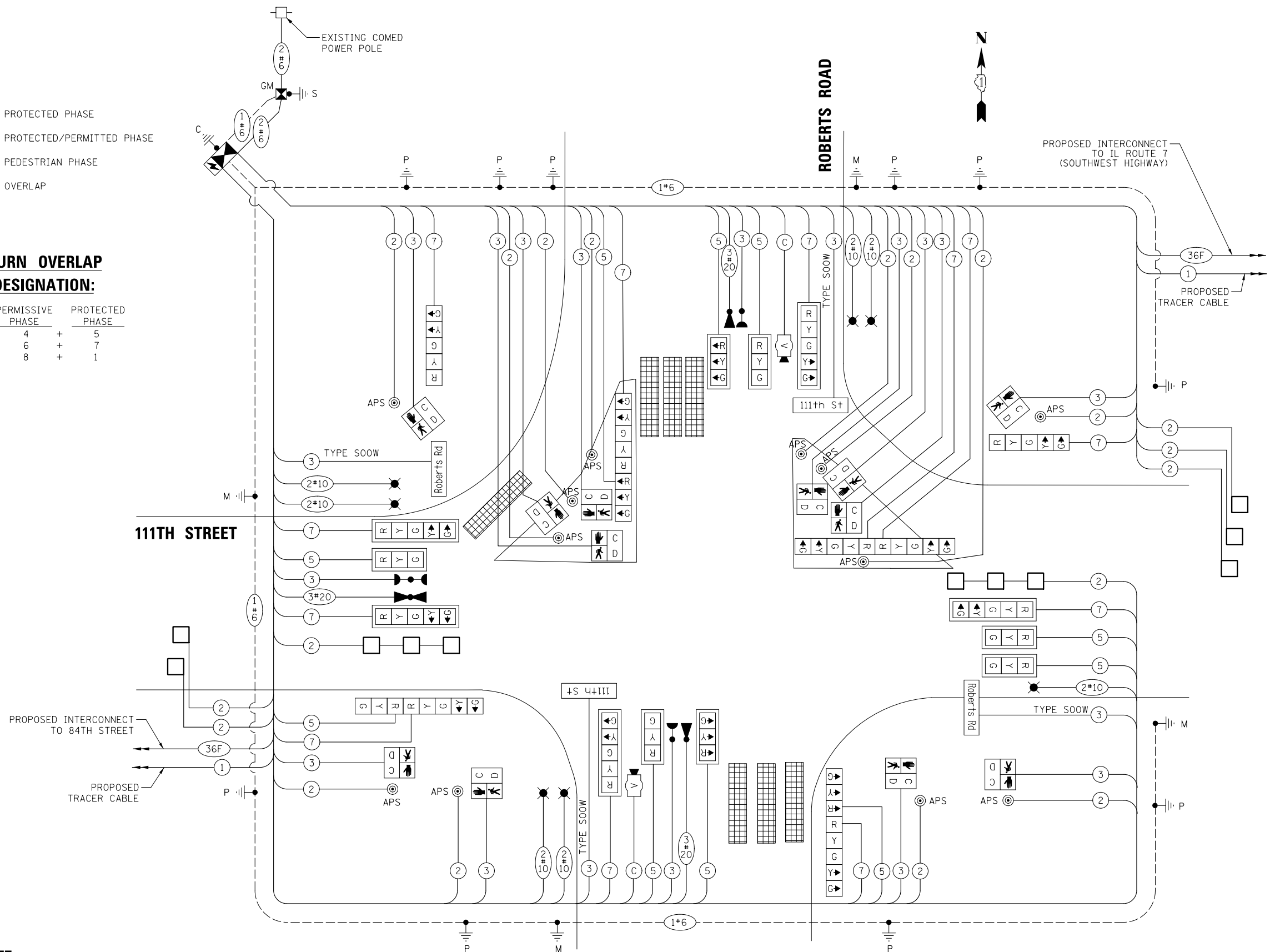
ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: 866-639-3532
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 33480-84009

NOTE:

ALL RED INDICATORS SHALL HAVE LENS COVERS.

NOTE:

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



CABLE PLAN
(NOT TO SCALE)

TS 3955
ECON 64

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**
111TH STREET AND ROBERTS ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	62
				CONTRACT NO. 61H55

USER NAME	DESIGNED	REVISION
aschoefer	- BG	-
	DRAWN - FB	REVISION -
	CHECKED - GMZ	REVISION -
	DATE - 5/25/2021	REVISION -

PLLOT SCALE = 28'
PLLOT DATE = 4/3/2024

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 824-4500

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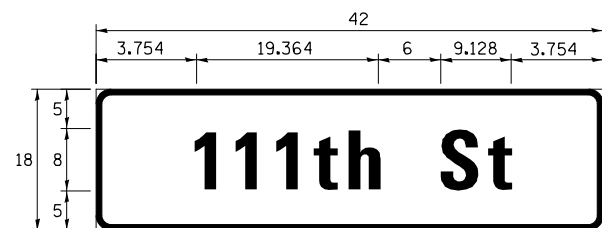
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SCALE: #SCALESHEET OF SHEETS STA. TO STA.

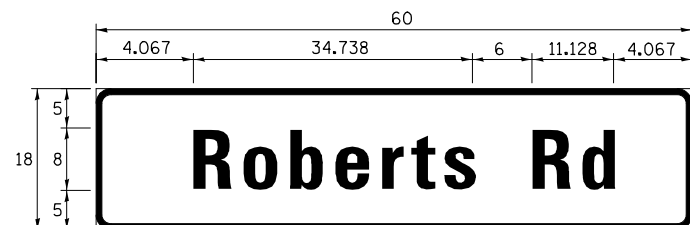
ILLINOIS FED. AID PROJECT

LED ILLUMINATED STREET NAME SIGNS

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	5.25	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	7.5	1	ZZ	2

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	48
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	872
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	182
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	597
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	3
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2221
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2843
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2298
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2324
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1274
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	119
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1325
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	6
CONCRETE FOUNDATION, TYPE A	FOOT	28
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	57
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE I	FOOT	495
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING DOUBLE HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	561
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	816
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT. (SPECIAL)	EACH	1
LED SIGNAL FACE, LENS COVER	EACH	22
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
CONCRETE FOUNDATION TYPE A 12-INCH DIAMETER	FOOT	16

**TS 3955
ECON 64**

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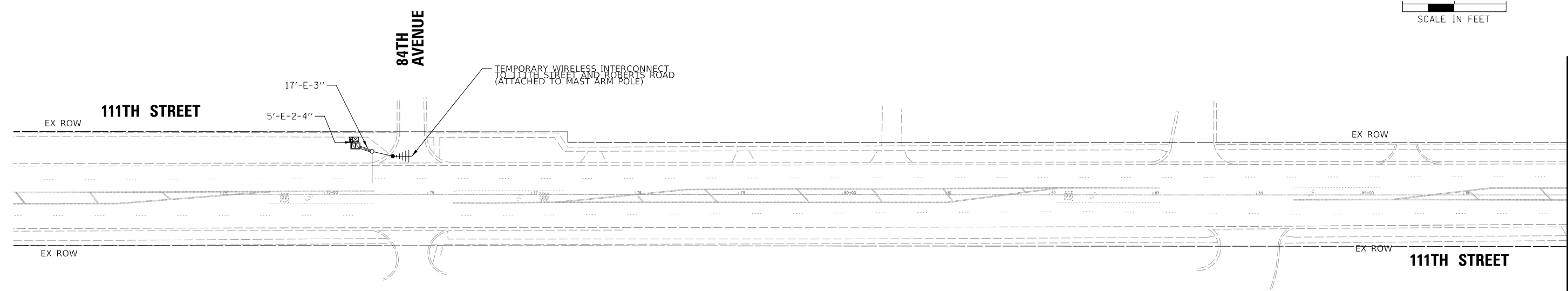
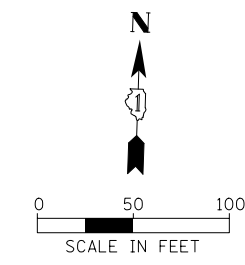
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

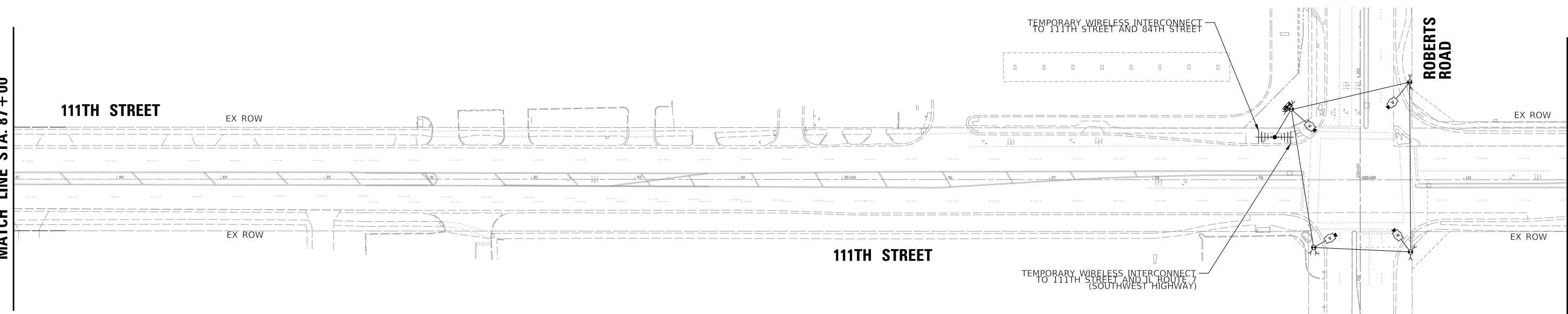
**SCHEDULE OF QUANTITIES
AND MAST ARM MOUNTED STREET NAME SIGN
111TH STREET AND ROBERTS ROAD**

SCALE: #SCALESHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	63
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 87 + 00



MATCH LINE STA. 87 + 00

MATCH LINE STA. 102 + 00

ECON 64

TS_SHT_NO. 20

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-4500

USER NAME = aschaefer	DESIGNED - BG	REVISED -
PLOT SCALE = 5/8"	DRAWN - FB	REVISED -
PLOT DATE = 4/3/2024	CHECKED - GMZ	REVISED -
	DATE - 5/25/2021	REVISED -

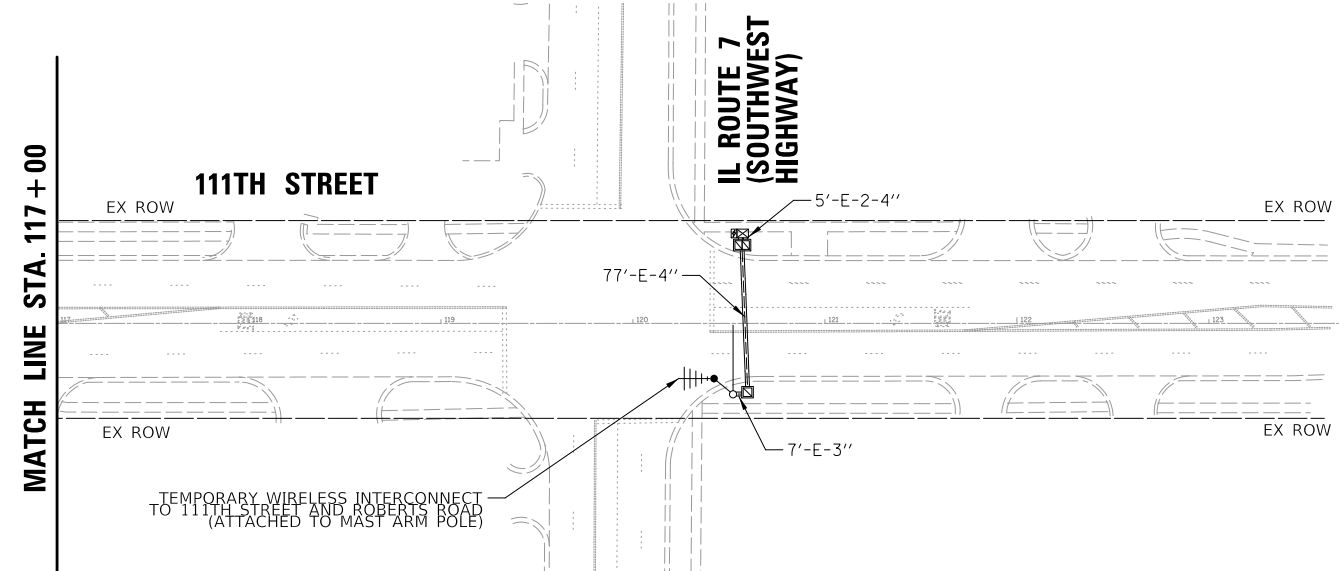
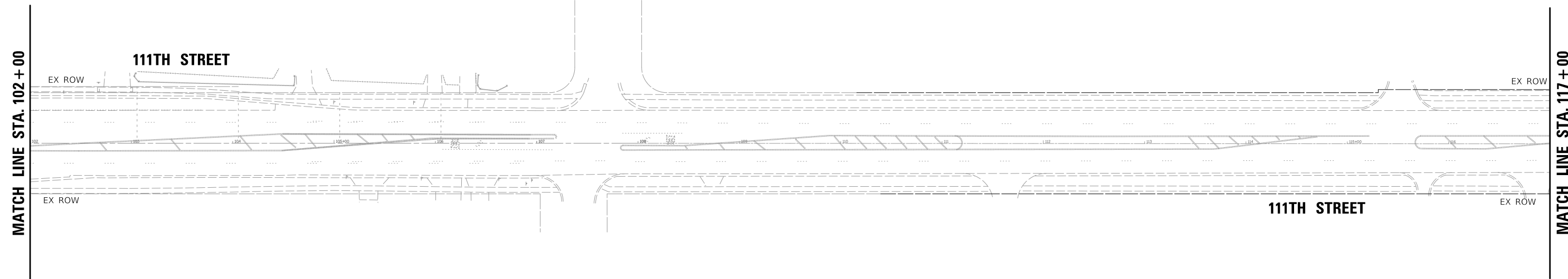
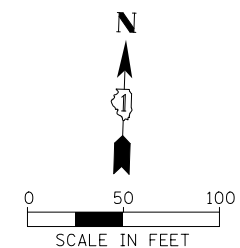
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN - SHEET 1 OF 2
 111TH STREET FROM 84TH AVENUE
 TO IL ROUTE 7 (SOUTHWEST HIGHWAY)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	64
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				

SCALE: #SCALESHORT SHEET OF SHEETS STA. TO STA.

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ECON 64

TS SHT. NO. 21

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 924-4500

USER NAME = aschaefer	DESIGNED - BG	REVISED -
PLOT SCALE = 5/8"	DRAWN - FB	REVISED -
PLOT DATE = 4/3/2024	CHECKED - GMZ	REVISED -
	DATE - 5/25/2021	REVISED -

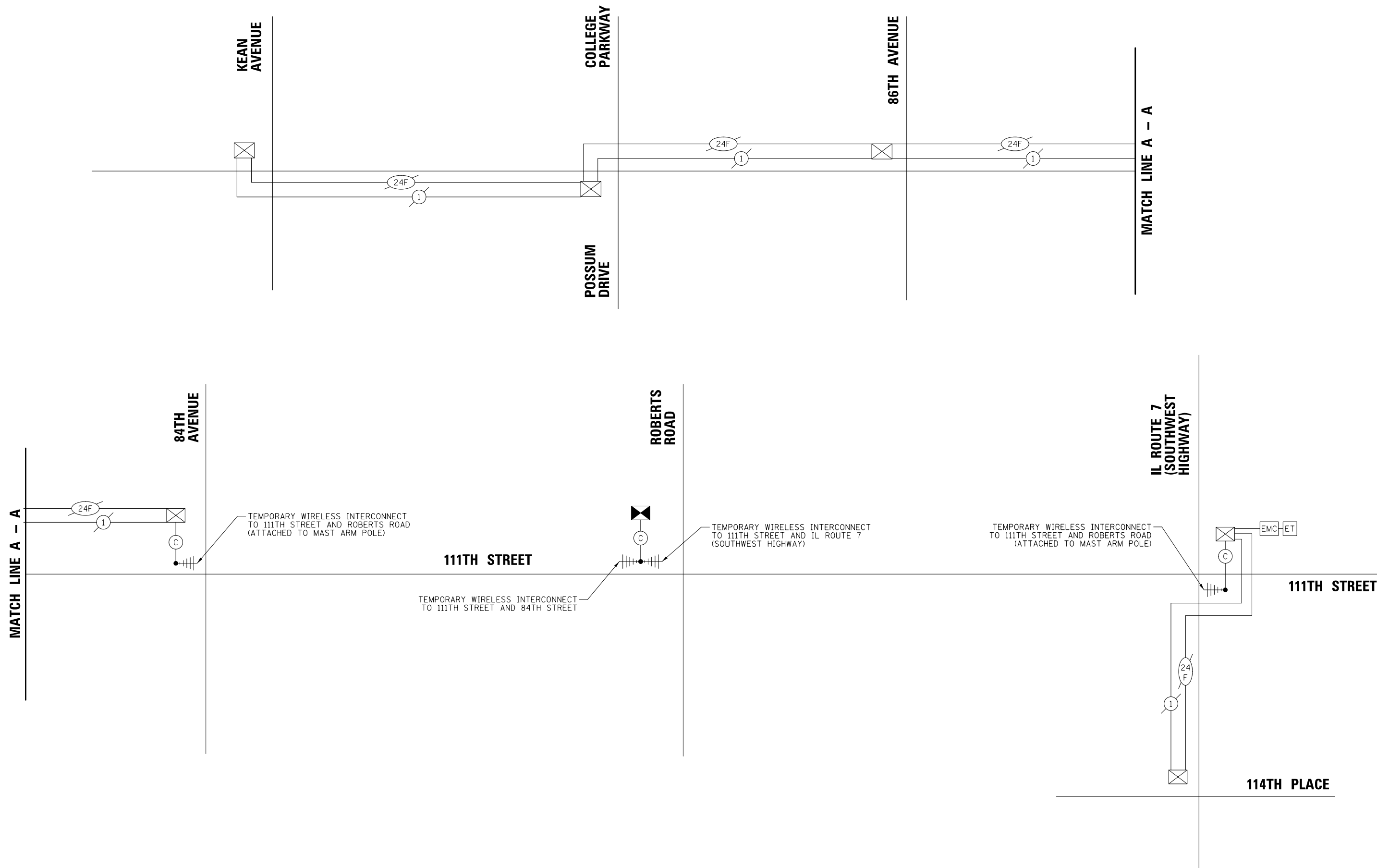
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TEMPORARY INTERCONNECT PLAN - SHEET 2 OF 2
111TH STREET FROM 84TH AVENUE
TO IL ROUTE 7 (SOUTHWEST HIGHWAY)

SCALE: #SCALESHORT SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	65
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				

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ECON 64

TS SHT. NO. 22

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 924-4500

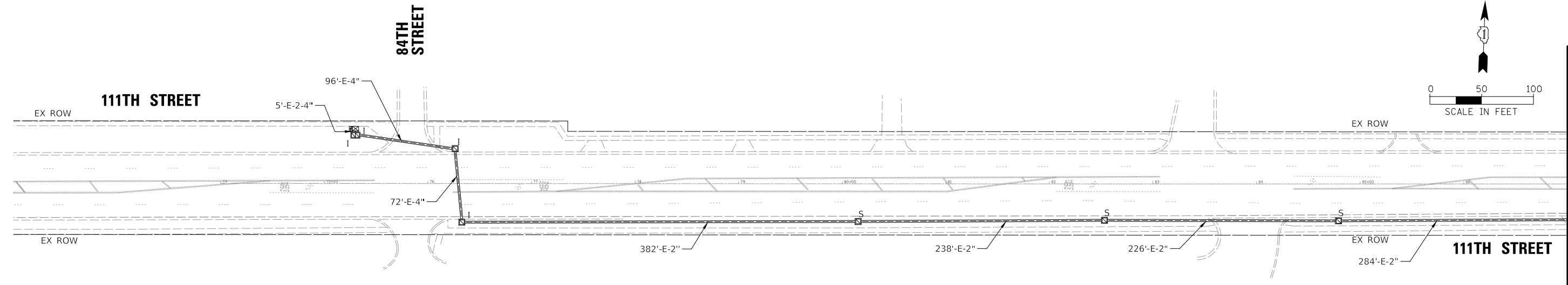
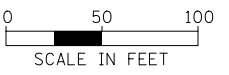
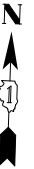
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PLOT DATE = 4/3/2024	CHECKED - GMZ	REVISED -
	DATE - 5/25/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

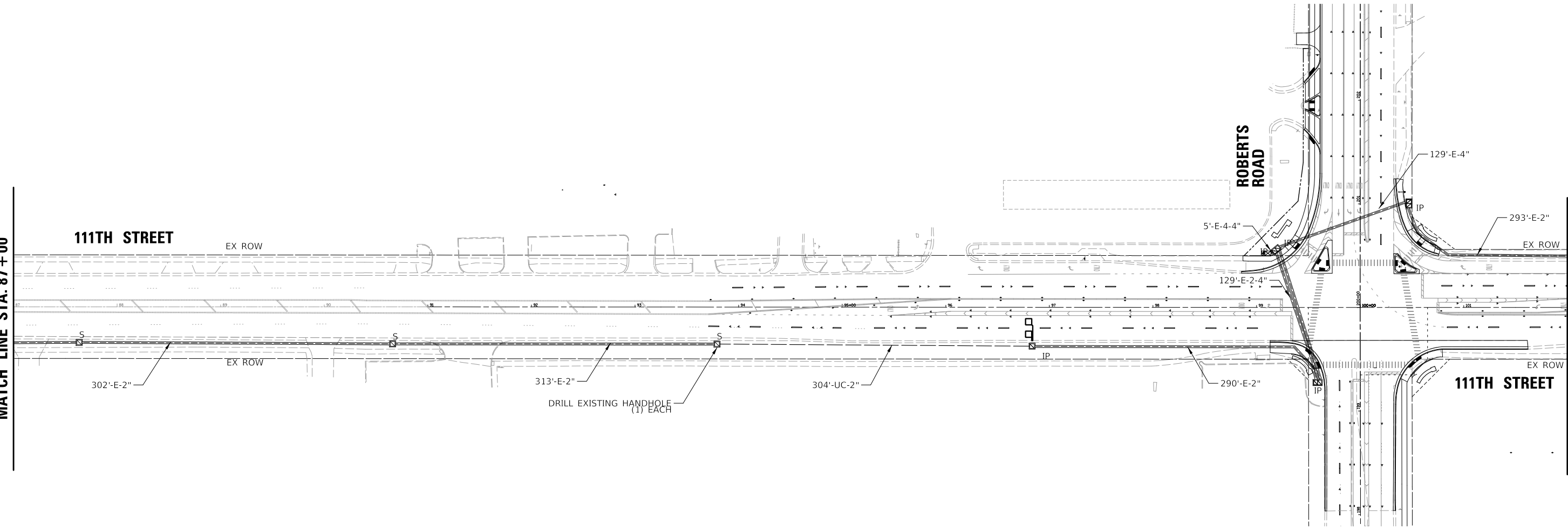
**TEMPORARY INTERCONNECT SCHEMATIC DIAGRAM
 111TH STREET FROM 84TH AVENUE
 TO IL ROUTE 7 (SOUTHWEST HIGHWAY)**

SCALE: # SCALESHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	66
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 87 + 00



MATCH LINE STA. 87 + 00

MATCH LINE STA. 102 + 00

ECON 64

TS SHT NO. 23

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 924-4500

USER NAME = aschaefer	DESIGNED - BG	REVISED -
PLOT SCALE = 5/8"	DRAWN - FB	REVISED -
PLOT DATE = 4/3/2024	CHECKED - GMZ	REVISED -
	DATE - 5/25/2021	REVISED -

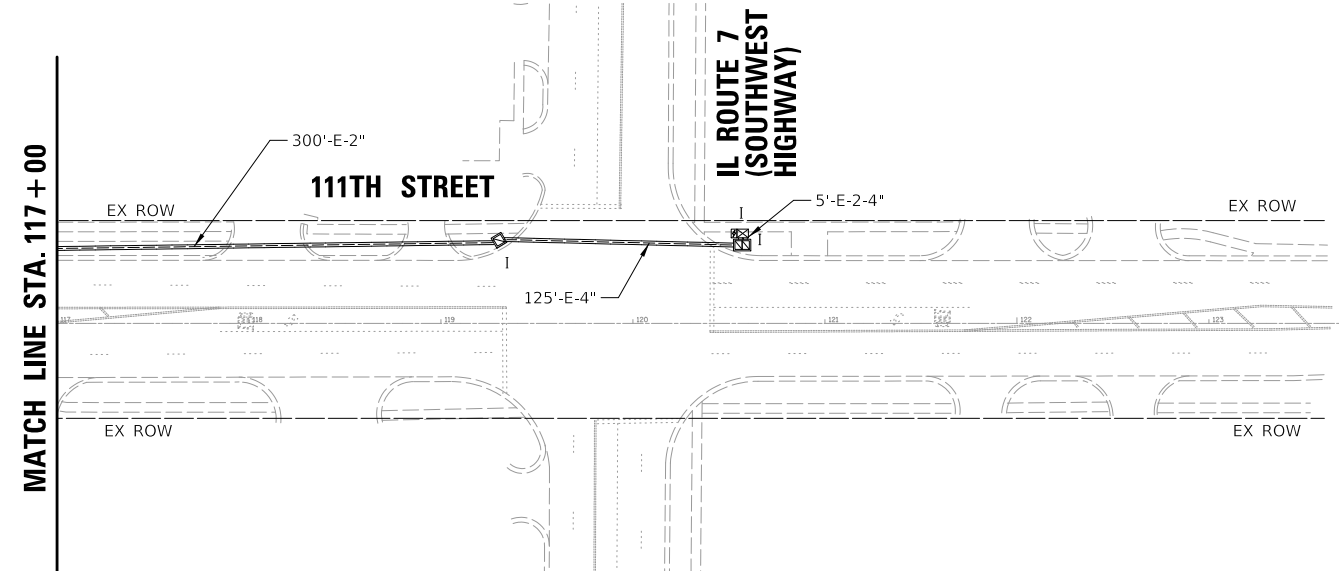
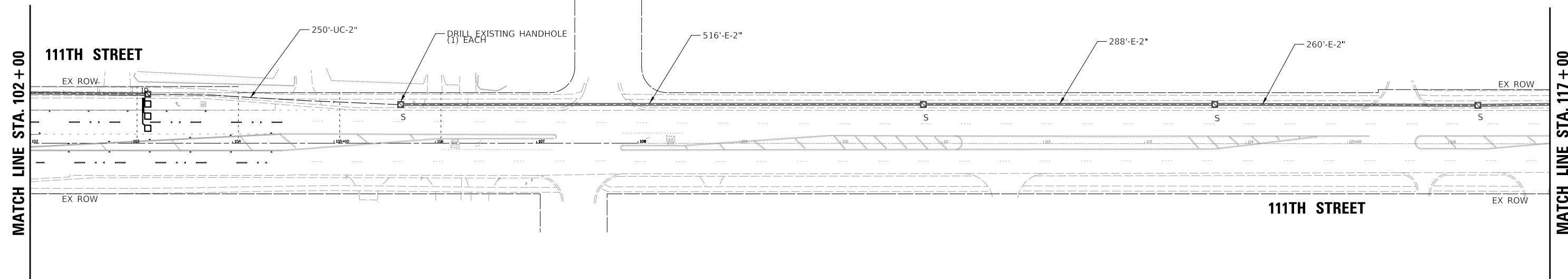
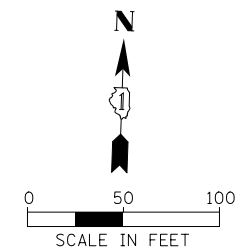
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN - SHEET 1 OF 2
111TH STREET FROM 84TH AVENUE
TO IL ROUTE 7 (SOUTHWEST HIGHWAY)

SCALE: #SCALESHORT SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	67
CONTRACT NO. 61H55				

ILLINOIS FED. AID PROJECT



ECON 64

TS SHT NO. 24

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 924-4500

USER NAME = aschaefer	DESIGNED - BG	REVISED -
PLOT SCALE = 5/8"	DRAWN - FB	REVISED -
PLOT DATE = 4/3/2024	CHECKED - GMZ	REVISED -
	DATE - 5/25/2021	REVISED -

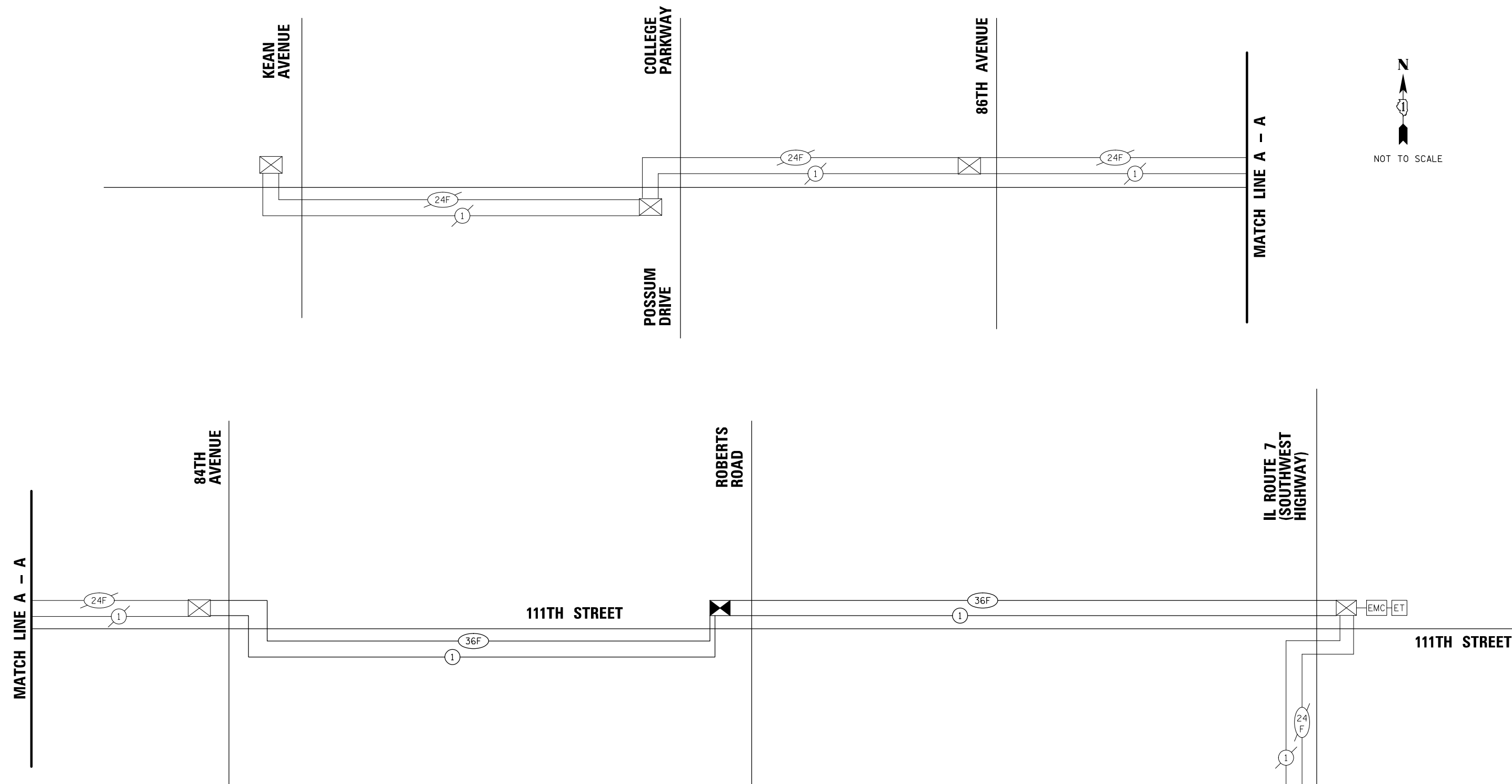
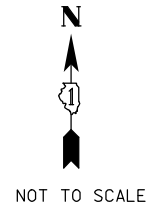
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN - SHEET 2 OF 2
 111TH STREET FROM 84TH AVENUE
 TO IL ROUTE 7 (SOUTHWEST HIGHWAY)**

SCALE: #SCALESHORT SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	68
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				

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SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	554
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	5011
DRILL EXISTING HANDHOLE	EACH	2
ROD AND CLEAN EXISTING CONDUIT	FOOT	3109
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	5011

ECON 64

TS_SHT_NO. 25

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 6575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 953-4500

USER NAME = bgunnells
 DESIGNED - BG
 DRAWN - FB
 CHECKED - GMZ
 DATE - 5/25/2021
 PLOT SCALE = 1/8" = 1' 00"
 PLOT DATE = 4/22/2024

DESIGNED - BG
 DRAWN - FB
 CHECKED - GMZ
 DATE - 5/25/2021

REVISED -
 REVISED -
 REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT SCHEMATIC DIAGRAM
 111TH STREET FROM 84TH AVENUE
 TO IL ROUTE 7 (SOUTHWEST HIGHWAY)**

SCALE: #SCALESHORT SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	69
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				

LIGHTING GENERAL NOTES

1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT (800) 892-0123.
2. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES THE CONTRACTOR SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS PREPARED BY IDOT.
 - B. "THE NATIONAL ELECTRICAL CODE".
 - C. MUNICIPAL CODES & STANDARDS.
5. THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DRAWINGS AND SPECIFICATIONS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS, BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AT NO ADDITIONAL COST TO THE CONTRACT.
6. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.
7. ALL UNDERGROUND LIGHTING WIRING SHALL BE XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, INSTALLED IN SCH 40 HDPE CONDUIT A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE.
8. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE ENGINEER.
9. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH LUMINAIRE ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.
10. THE LIGHT POLE LOCATIONS SHALL COMPLY WITH THE MINIMUM CLEAR WIDTH FOR AN ACCESSIBLE ROUTE FOR SIDEWALKS PER CURRENT AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS (COMPLY WITH IDOT BDE CHAPTER 17-4.04 AND PROWAG R301.1).
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
12. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL PROPOSED ELECTRICAL EQUIPMENT FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. ALL UTILITIES SHALL BE LOCATED PRIOR TO MARKING PROPOSED ELECTRICAL EQUIPMENT.
14. THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES AND CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE ENGINEER.
15. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS. ALL ELECTRICAL TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER.

BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
TRENCH BACKFILL	CU YD	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	410
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	1715
HANDHOLE, COMPOSITE CONCRETE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1290
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1715
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	5135
AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER WIRE	FOOT	390
• LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	7
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	10
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	4
REMOVAL OF POLE FOUNDATION	EACH	5
RELOCATE EXISTING LIGHTING UNIT	EACH	1
• TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	7
• COMBINATION LIGHTING CONTROLLER	EACH	1
• MAST ARM, STREET LIGHTING, 15'	EACH	7
• REMOVAL OF TEMPORARY LUMINAIRE	EACH	7
• LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	14
• MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9
• SEE SPECIAL PROVISION		

ABBREVIATIONS

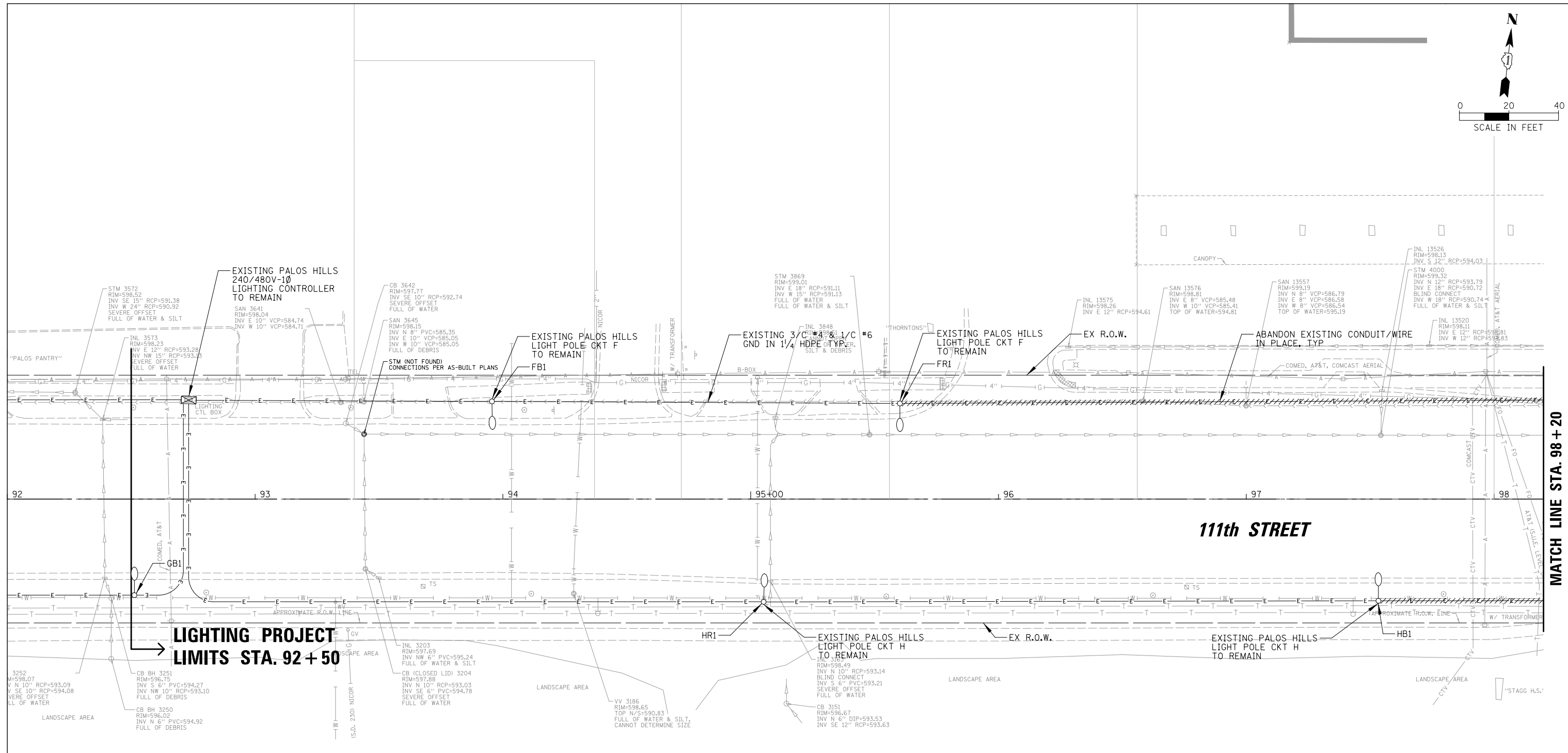
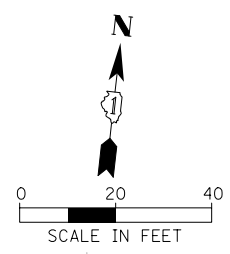
A	AMPS
CKT	CIRCUIT
CNC	COILABLE NON-METALLIC CONDUIT
DIA	DIAMETER
FT	FOOT
FOC	FACE OF CURB
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HDPE	HIGH DENSITY POLYETHYLENE
HH	HAND HOLE
HPS	HIGH PRESSURE SODIUM
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SS	STAINLESS STEEL
STA	STATION
V	VOLTS
W	WATTS
WR	WEATHER RESISTANT

CAUTION! NOTICE TO CONTRACTOR:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED TO THE LOCATION AND/OR ELEVATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ENGINEER OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.

IDOT WILL OWN AND MAINTAIN THE PROPOSED COMBINATION LIGHTING AT ROBERTS ROAD & 111TH STREET

 CHRISTOPHER B. BURKE ENGINEERING, LTD. <small>16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-0950</small>	USER NAME = aschaefer	DESIGNED AJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	111TH STREET AND ROBERTS ROAD LIGHTING GENERAL NOTES AND BILL OF MATERIALS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN RJJ	REVISED -			1581	17-00032-00-CH	COOK	112	70		
		PLOT SCALE = 28'	CHECKED AJD			REVISED -	CONTRACT NO. 61H55					
		PLOT DATE = 4/3/2024	DATE -			REVISED -	SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		



MATCH LINE STA. 98 + 20

LEGEND

- EXISTING PALOS HILLS LIGHT STANDARD TO REMAIN
- EXISTING PALOS HILLS LIGHT STANDARD TO BE REMOVED AFTER PROPOSED LIGHTING IS OPERATIONAL
- EXISTING PALOS HILLS LIGHT STANDARD TO BE RELOCATED
- EXISTING PALOS HILLS 240/480V-1Ø LIGHTING CONTROLLER
- EXISTING HDPE CONDUIT

NOTES:

1. TEMPORARY COMBINATION LIGHTING AND PROPOSED RECONNECTED ROADWAY LIGHTING SHALL BE INSTALLED AND FUNCTIONAL BEFORE EXISTING LIGHTING IS REMOVED. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. REMOVE EXISTING LIGHT POLE/FOUNDATION. REMOVED LIGHT POLE/LUMINAIRE SHALL BE RETURNED TO PALOS HILLS PUBLIC WORKS, CONTRACTOR TO COORDINATE LOCATION.
3. EXISTING LIGHT POLE TO BE RELOCATED. SEE PROPOSED LIGHTING PLAN. EXISTING FOUNDATION SHALL BE REMOVED AND DISPOSED OF.

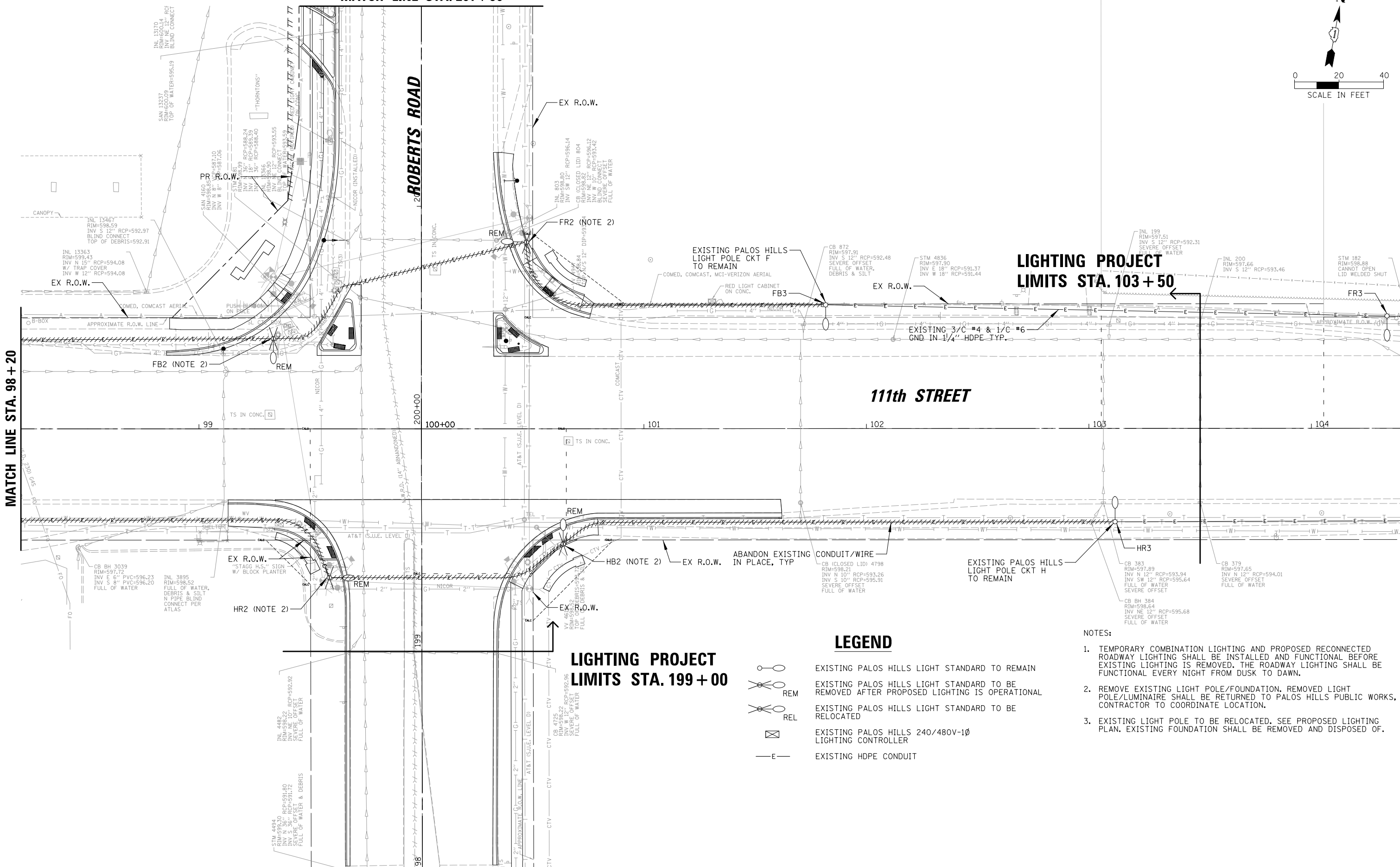
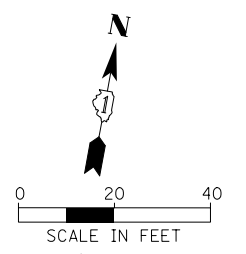
	CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-0950	USER NAME = aschaefer	DESIGNED AJD	REVISED -
		DRAWN RJJ	REVISED -	
		CHECKED AJD	REVISED -	
		PLOT DATE = 4/3/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

111TH STREET AND ROBERTS ROAD REMOVAL LIGHTING PLAN (1 OF 3)	
SCALE: 20'	SHEET OF SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	71
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H55	

MATCH LINE STA. 201 + 90



LIGHTING PROJECT LIMITS STA. 103 + 50

LIGHTING PROJECT LIMITS STA. 199 + 00

LEGEND

- EXISTING PALOS HILLS LIGHT STANDARD TO REMAIN
- EXISTING PALOS HILLS LIGHT STANDARD TO BE REMOVED AFTER PROPOSED LIGHTING IS OPERATIONAL
- EXISTING PALOS HILLS LIGHT STANDARD TO BE RELOCATED
- EXISTING PALOS HILLS 240/480V-1Ø LIGHTING CONTROLLER
- EXISTING HDPE CONDUIT

- NOTES:**
- TEMPORARY COMBINATION LIGHTING AND PROPOSED RECONNECTED ROADWAY LIGHTING SHALL BE INSTALLED AND FUNCTIONAL BEFORE EXISTING LIGHTING IS REMOVED. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
 - REMOVE EXISTING LIGHT POLE/FOUNDATION. REMOVED LIGHT POLE/LUMINAIRE SHALL BE RETURNED TO PALOS HILLS PUBLIC WORKS, CONTRACTOR TO COORDINATE LOCATION.
 - EXISTING LIGHT POLE TO BE RELOCATED. SEE PROPOSED LIGHTING PLAN. EXISTING FOUNDATION SHALL BE REMOVED AND DISPOSED OF.

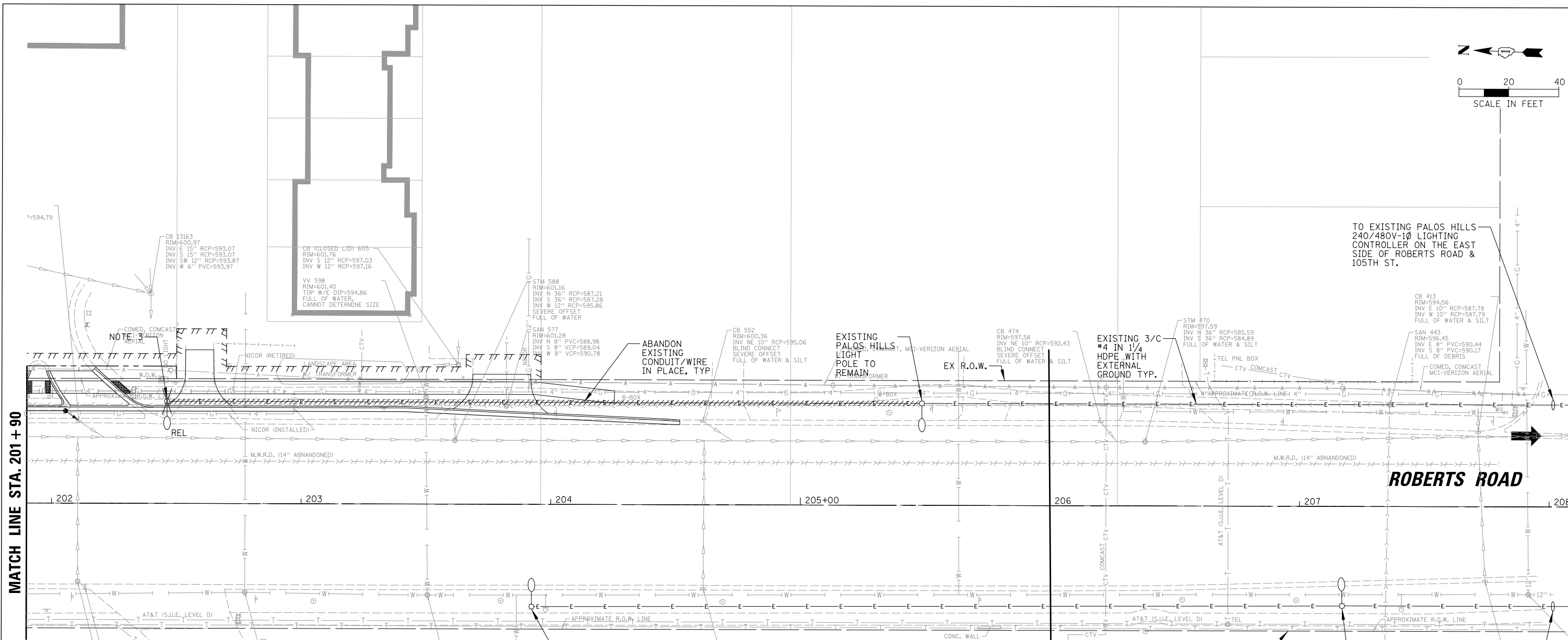
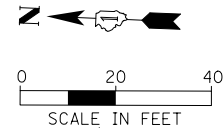
<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 771-9950</p>	USER NAME = aschaefer	DESIGNED AJD	REVISED -
	PLOT SCALE = 28'	DRAWN RJJ	REVISED -
	PLOT DATE = 4/3/2024	CHECKED AJD	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**111TH STREET AND ROBERTS ROAD
REMOVAL LIGHTING PLAN (2 OF 3)**

SCALE: 20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	72
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				



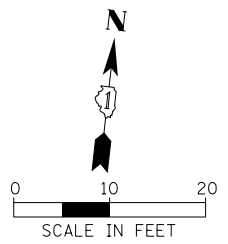
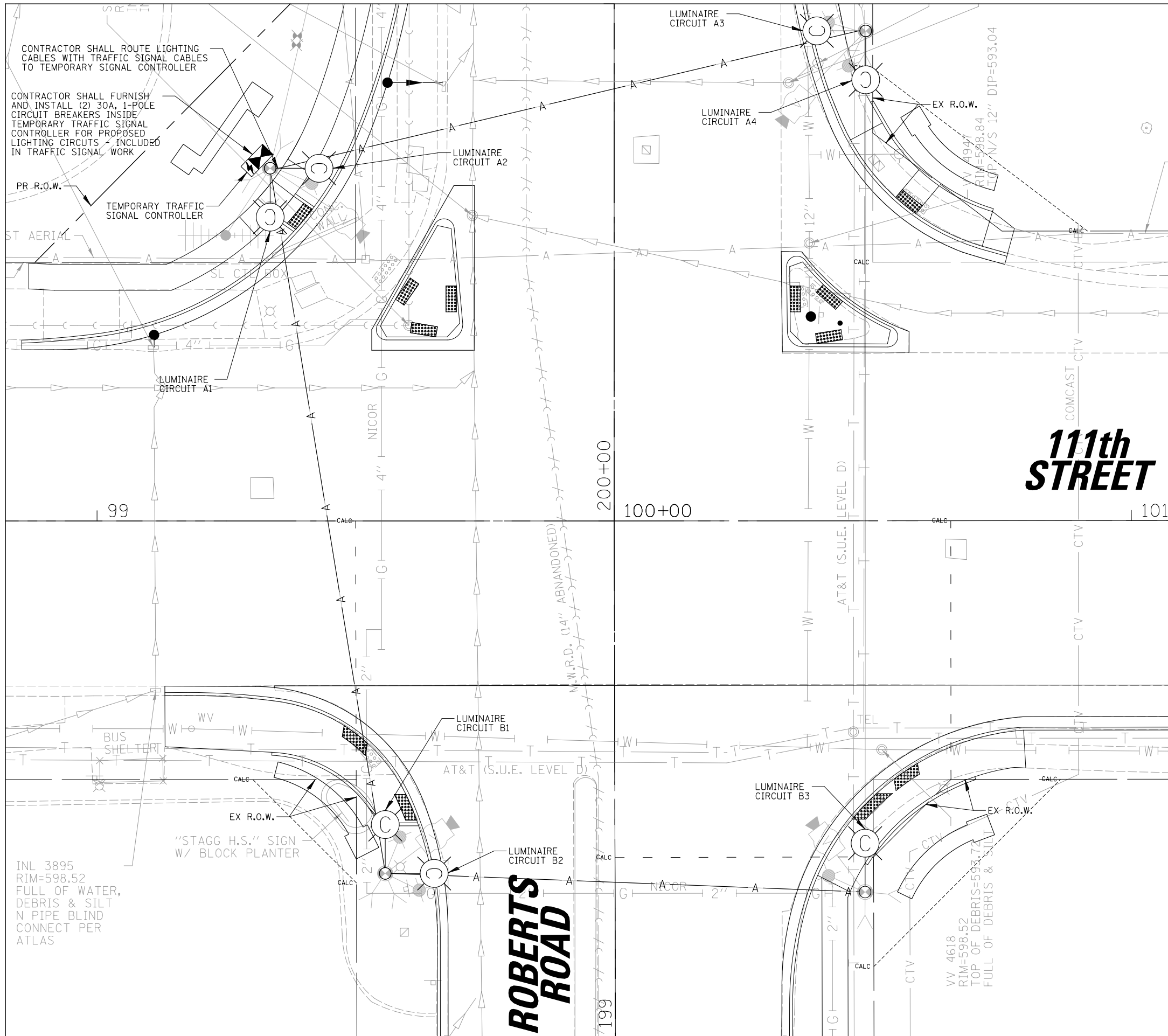
**LIGHTING PROJECT
LIMITS STA. 206 + 00**

LEGEND

- EXISTING PALOS HILLS LIGHT STANDARD TO REMAIN
- REM EXISTING PALOS HILLS LIGHT STANDARD TO BE REMOVED AFTER PROPOSED LIGHTING IS OPERATIONAL
- REL EXISTING PALOS HILLS LIGHT STANDARD TO BE RELOCATED
- EXISTING PALOS HILLS 240/480V-1Ø LIGHTING CONTROLLER
- EXISTING HDPE CONDUIT

- NOTES:**
- TEMPORARY COMBINATION LIGHTING AND PROPOSED RECONNECTED ROADWAY LIGHTING SHALL BE INSTALLED AND FUNCTIONAL BEFORE EXISTING LIGHTING IS REMOVED. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
 - REMOVE EXISTING LIGHT POLE/FOUNDATION. REMOVED LIGHT POLE/LUMINAIRE SHALL BE RETURNED TO PALOS HILLS PUBLIC WORKS, CONTRACTOR TO COORDINATE LOCATION.
 - EXISTING LIGHT POLE TO BE RELOCATED. SEE PROPOSED LIGHTING PLAN. EXISTING FOUNDATION SHALL BE REMOVED AND DISPOSED OF.

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME = aschaefer	DESIGNED AJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	111TH STREET AND ROBERTS ROAD REMOVAL LIGHTING PLAN (3 OF 3)			F.A.U. RTEL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLLOT SCALE = 20'	DRAWN RJJ	REVISED -		1581	17-00032-00-CH	COOK	112	73			
	PLLOT DATE = 4/3/2024	CHECKED AJD	REVISED -		CONTRACT NO. 61H55							
	DATE -	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
SCALE: 20' SHEET OF SHEETS STA. TO STA.												



LEGEND

- PROPOSED TEMPORARY COMBINATION LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND TWO LED LUMINAIRES (OUTPUT DESIGNATION H) ORIENTATED AT 90° WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- PROPOSED TEMPORARY COMBINATION LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND ONE LED LUMINAIRE (OUTPUT DESIGNATION H) WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- A — TEMPORARY AERIAL CABLE, 2/C #8 WITH MESSENGER WIRE ROUTED OVERHEAD WITH TEMPORARY TRAFFIC SIGNAL CABLES

NOTES:

1. THE TEMPORARY COMBINATION LIGHTING CIRCUITS SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS, UNLESS OTHERWISE SHOWN.
2. TEMPORARY COMBINATION POLE LUMINAIRES SHALL BE POWERED FROM TEMPORARY TRAFFIC CONTROLLER. SEE TRAFFIC SIGNAL PLANS.
3. TEMPORARY LIGHTING CABLE SHALL BE ATTACHED AERIALY TO TRAFFIC SIGNAL MESSENGER WIRE.
4. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR LOCATION OF TEMPORARY COMBINATION POLES, AERIAL CABLES AND CONTROLLER.
5. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE ANY EXISTING LIGHTING CAN BE DISCONNECTED/REMOVED. THE TEMPORARY LIGHTING SHALL BE LIT EVERY NIGHT FROM DUSK TO DAWN THROUGHOUT CONSTRUCTION.
6. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, CONTRACTOR SHALL REMOVE TEMPORARY LIGHTING.

111th STREET

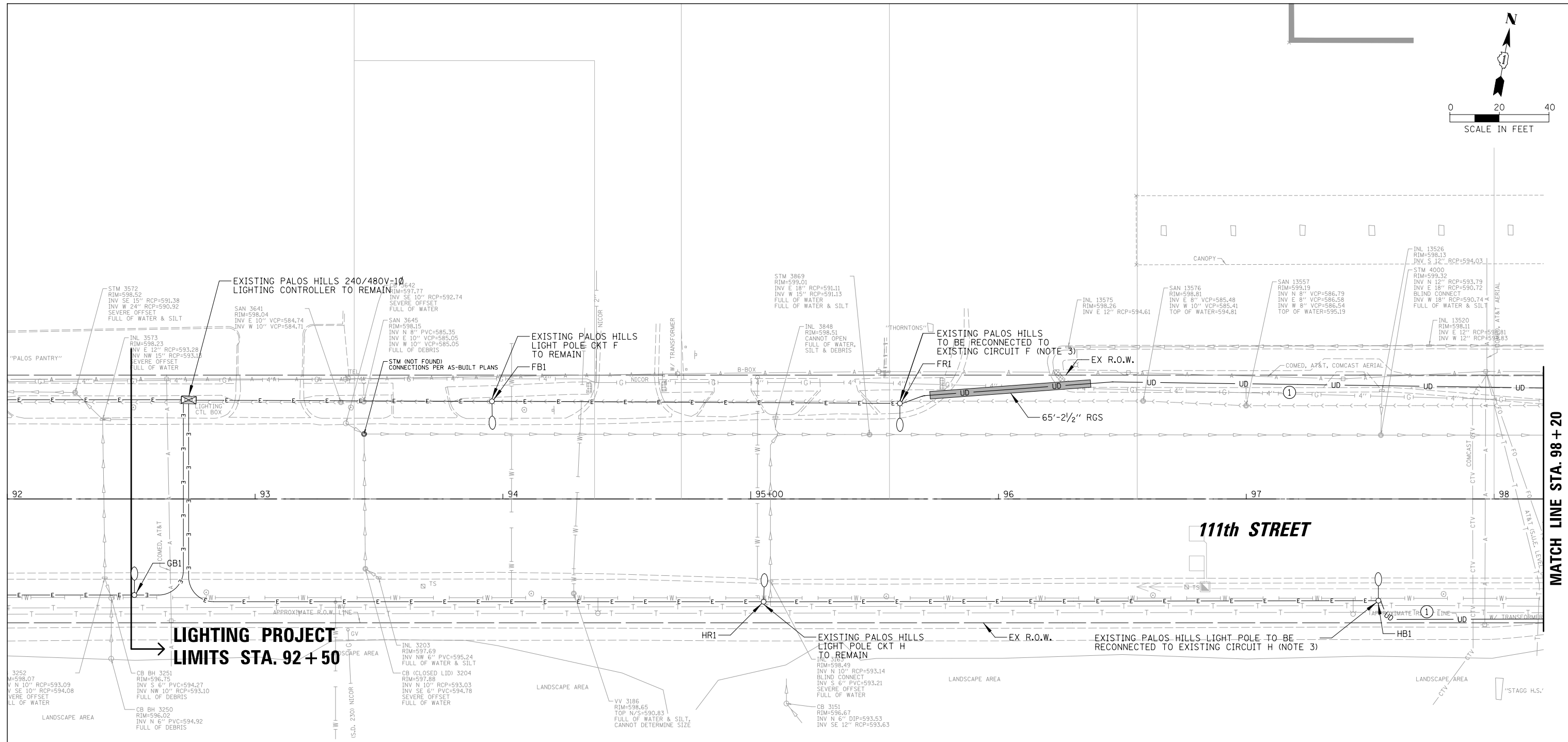
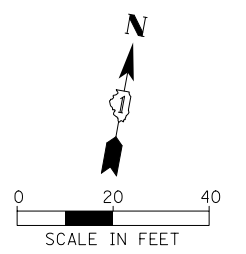
ROBERTS ROAD

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	PLOT SCALE = 10'	DRAWN RJJ	REVISED -
	PLOT DATE = 4/3/2024	CHECKED AJD	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

111TH STREET AND ROBERTS ROAD TEMPORARY INTERSECTION LIGHTING PLAN			
SCALE: 10'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	74
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				



**LIGHTING PROJECT
LIMITS STA. 92 + 50**

LEGEND

- EXISTING PALOS HILLS LIGHT STANDARD TO REMAIN
- RELOCATED PALOS HILLS LIGHT STANDARD
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 90 DEGREES APART
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- EXISTING PALOS HILLS 240/480V-1Ø LIGHTING CONTROLLER

NOTES:

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. POLE SHALL BE DISCONNECTED/RECONNECTED SAME DAY TO ENSURE ALL ROADWAY LIGHTING REMAINS FUNCTIONAL EVERY NIGHT DUSK TO DAWN.

CONDUCTOR / CONDUIT SCHEDULE

- ① 2/C #4, 1/C #4 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1 1/4" SCH40 HDPE CONDUIT

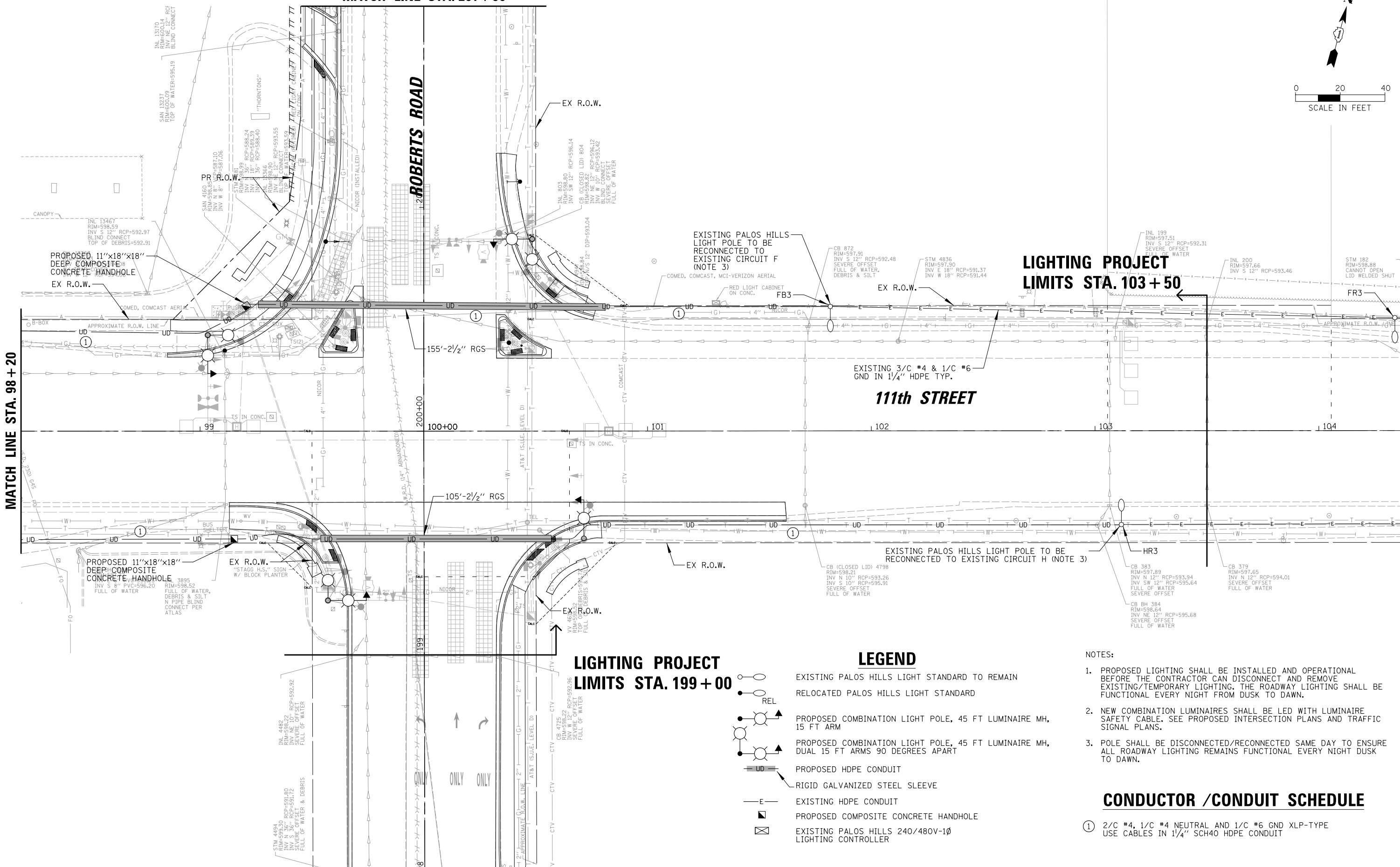
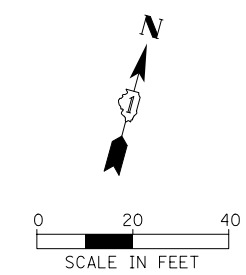
<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-0950</p>	USER NAME = aschaefer	DESIGNED AJD	REVISED -
	PLOT SCALE = 20'	DRAWN RJJ	REVISED -
	PLOT DATE = 4/3/2024	CHECKED AJD	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

11TH STREET AND ROBERTS ROAD PROPOSED LIGHTING PLAN (1 OF 3)	
SCALE: 20'	SHEET OF SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	75
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H55	

MATCH LINE STA. 201 + 90



**LIGHTING PROJECT
LIMITS STA. 103 + 50**

**LIGHTING PROJECT
LIMITS STA. 199 + 00**

LEGEND

- EXISTING PALOS HILLS LIGHT STANDARD TO REMAIN
- RELOCATED PALOS HILLS LIGHT STANDARD
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 90 DEGREES APART
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- EXISTING PALOS HILLS 240/480V-1Ø LIGHTING CONTROLLER

NOTES:

1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
3. POLE SHALL BE DISCONNECTED/RECONNECTED SAME DAY TO ENSURE ALL ROADWAY LIGHTING REMAINS FUNCTIONAL EVERY NIGHT DUSK TO DAWN.

CONDUCTOR /CONDUIT SCHEDULE

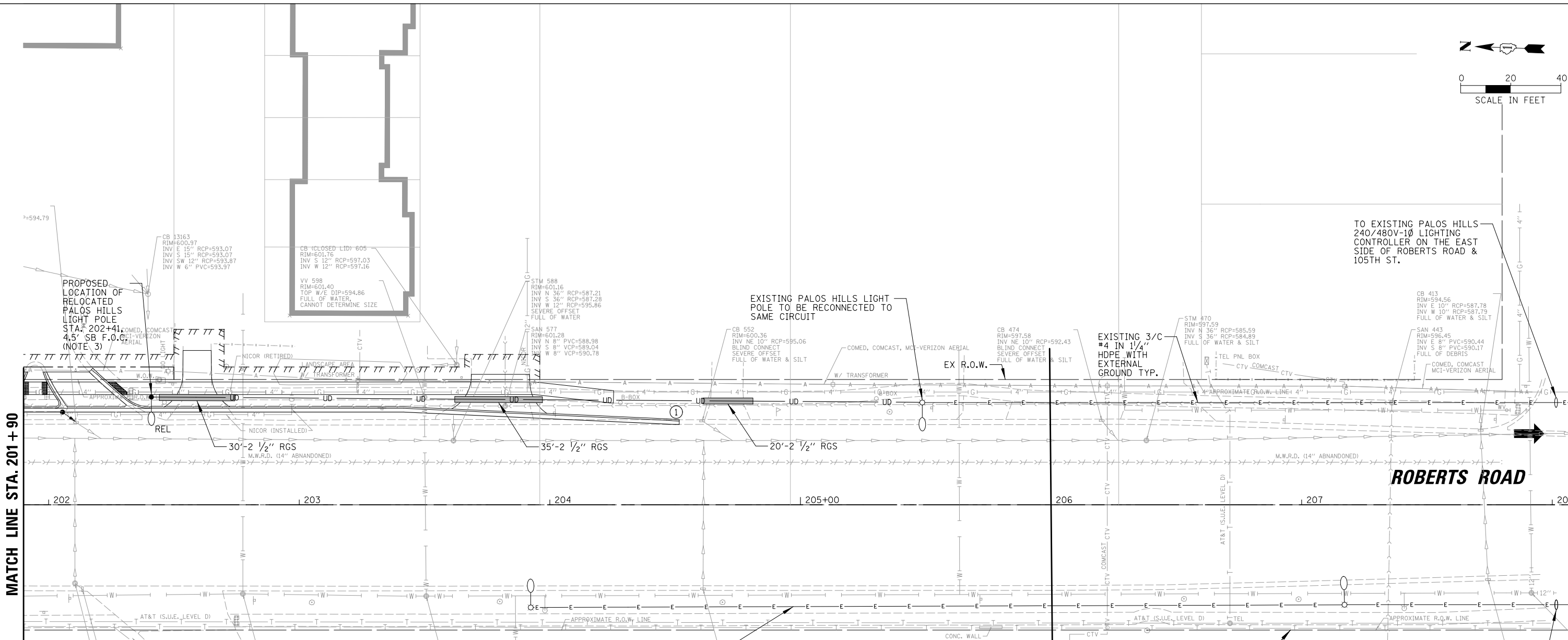
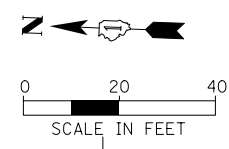
- ① 2/C #4, 1/C #4 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/4" SCH40 HDPE CONDUIT

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME = aschaefer	DESIGNED AJD	REVISED -
	PLOT SCALE = 20'	DRAWN RJJ	REVISED -
	PLOT DATE = 4/3/2024	CHECKED AJD	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

11TH STREET AND ROBERTS ROAD PROPOSED LIGHTING PLAN (2 OF 3)			
SCALE: 20'	SHEET OF SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	76
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61H55



**LIGHTING PROJECT
LIMITS STA. 206 + 00**

CONDUCTOR /CONDUIT SCHEDULE

- ① 2/C #4, 1/C #4 NEUTRAL AND 1/C #6 GND XLP-TYPE USE CABLES IN 1/4" SCH40 HDPE CONDUIT

LEGEND

- EXISTING PALOS HILLS LIGHT STANDARD TO REMAIN
- RELOCATED PALOS HILLS LIGHT STANDARD
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, 15 FT ARM
- PROPOSED COMBINATION LIGHT POLE, 45 FT LUMINAIRE MH, DUAL 15 FT ARMS 90 DEGREES APART
- PROPOSED HDPE CONDUIT
- RIGID GALVANIZED STEEL SLEEVE
- EXISTING HDPE CONDUIT
- PROPOSED COMPOSITE CONCRETE HANDHOLE
- EXISTING PALOS HILLS 240/480V-1Ø LIGHTING CONTROLLER

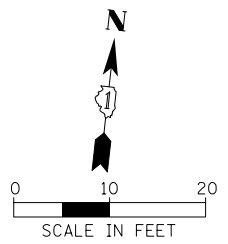
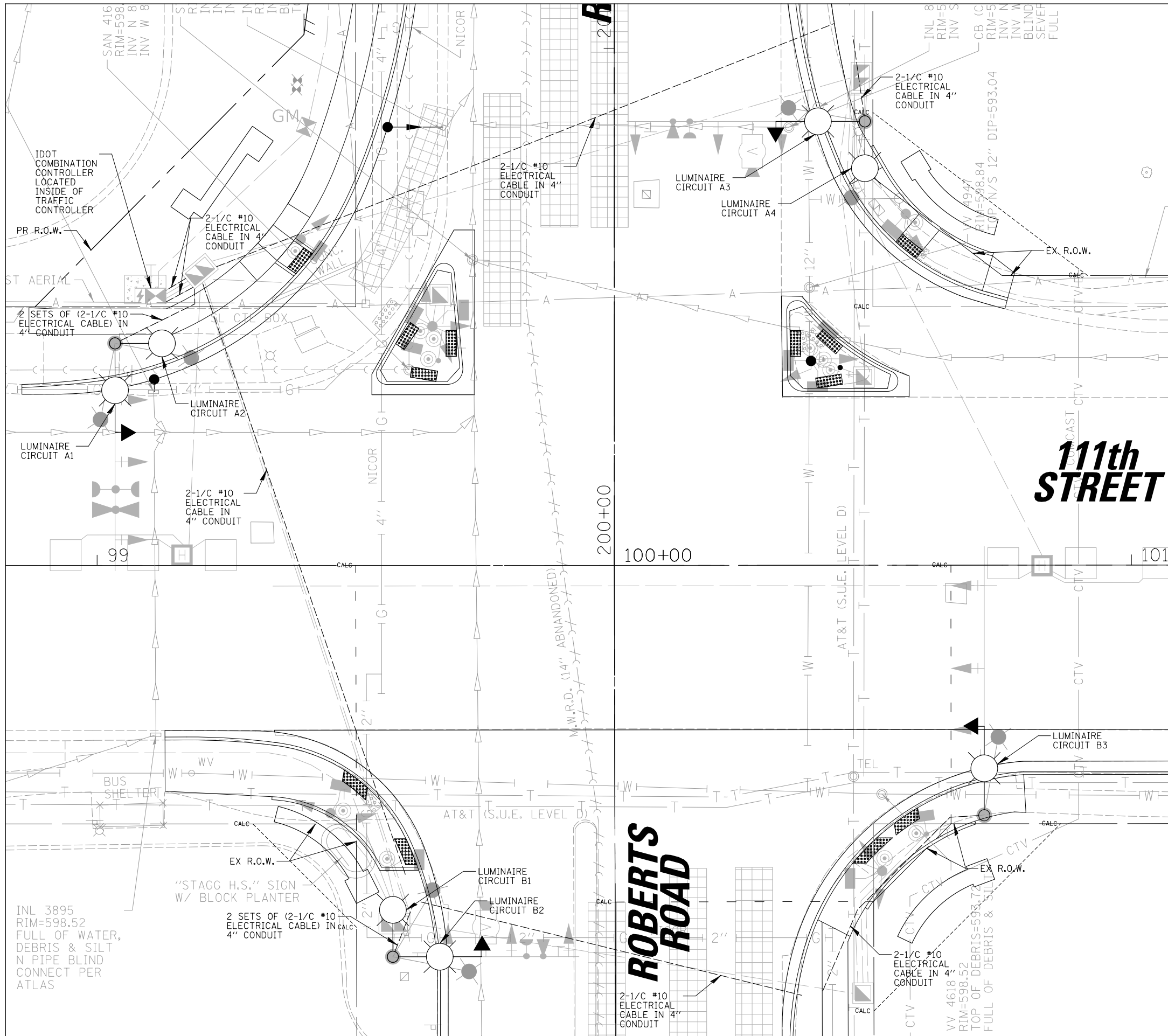
- NOTES:
1. PROPOSED LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE THE CONTRACTOR CAN DISCONNECT AND REMOVE EXISTING/TEMPORARY LIGHTING. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
 2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE. SEE PROPOSED INTERSECTION PLANS AND TRAFFIC SIGNAL PLANS.
 3. POLE SHALL BE DISCONNECTED/RECONNECTED SAME DAY TO ENSURE ALL ROADWAY LIGHTING REMAINS FUNCTIONAL EVERY NIGHT DUSK TO DAWN.

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	PLOT SCALE = 28'	DRAWN RJJ	REVISED -
	PLOT DATE = 4/3/2024	CHECKED AJD	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

11TH STREET AND ROBERTS ROAD PROPOSED LIGHTING PLAN (3 OF 3)			
SCALE: 20'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	77
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				



LEGEND

- PROPOSED IDOT OWNED AND MAINTAINED COMBINATION LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND LED LUMINAIRE (LUMINAIRE, LED, ROADWAY (OUTPUT DESIGNATION H) WITH TYPE III DISTRIBUTION, 120V DRIVER, 6 AMP FUSE & NEUTRAL SLUG (SEE NOTE 7))
- PROPOSED COMBO LIGHTING CABLE IN CONDUIT, ELECTRICAL CABLE ASSEMBLY TYPE TC, 2*10 ROUTED THROUGH TRAFFIC CONDUIT (SEE TRAFFIC PLANS FOR CONDUIT SIZE AND CONDUIT ROUTE AND NOTE 8 THIS SHEET)

COMBINATION POLE LIGHTING SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
COMBINATION LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	7
LUMINAIRE, LED, ROADWAY (OUTPUT DESIGNATION H)	EACH	7
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1290

NOTES:

1. THE PROPOSED COMBINATION LIGHTING CIRCUITS SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
2. COMBINATION POLE LUMINAIRES ARE POWERED FROM TRAFFIC CONTROLLER. SEE TRAFFIC SIGNAL PLANS.
3. THE COMBINATION LIGHTING CABLE AND TRAFFIC SIGNAL CABLES WILL BE IN A SHARED CONDUIT.
4. SEE TRAFFIC SIGNAL PLANS FOR LOCATION OF COMBINATION POLES, HANDHOLES AND CONDUIT.
5. CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBINATION POLES. CIRCUITING SHOWN IS FOR ELECTRICAL CONNECTIONS ONLY.
6. SPLICING IS NOT ALLOWED IN BELOW GRADE HANDHOLES.
7. COMBINATION POLE LUMINAIRES SHALL HAVE LUMINAIRE SAFETY CABLE.

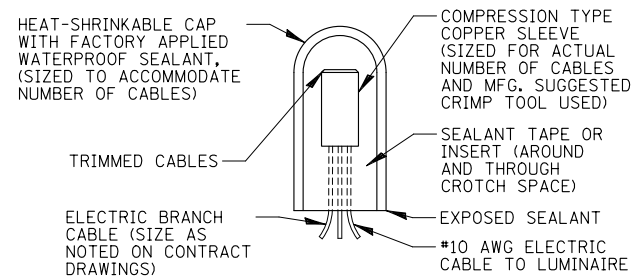
<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-0950</p>	USER NAME = aschaefer	DESIGNED AJD	REVISED -
	PLOT SCALE = 10'	DRAWN RJJ	REVISED -
	PLOT DATE = 4/3/2024	CHECKED AJD	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

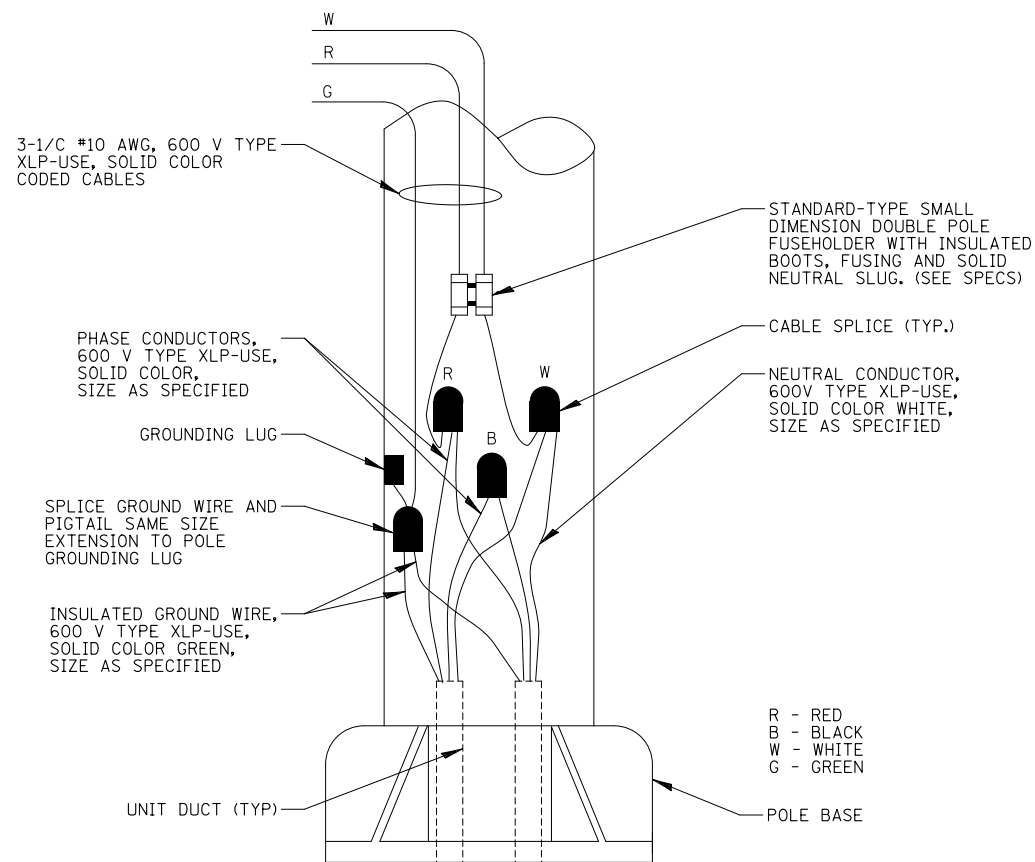
**111TH STREET AND ROBERTS ROAD
PROPOSED INTERSECTION LIGHTING PLAN**

SCALE: 10' SHEET OF SHEETS STA. TO STA.

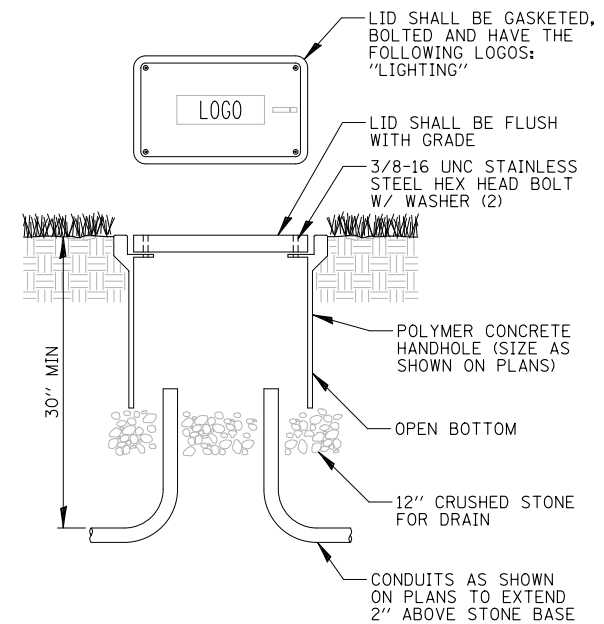
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	78
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				



SPLICING ELECTRIC CABLE
N.T.S.



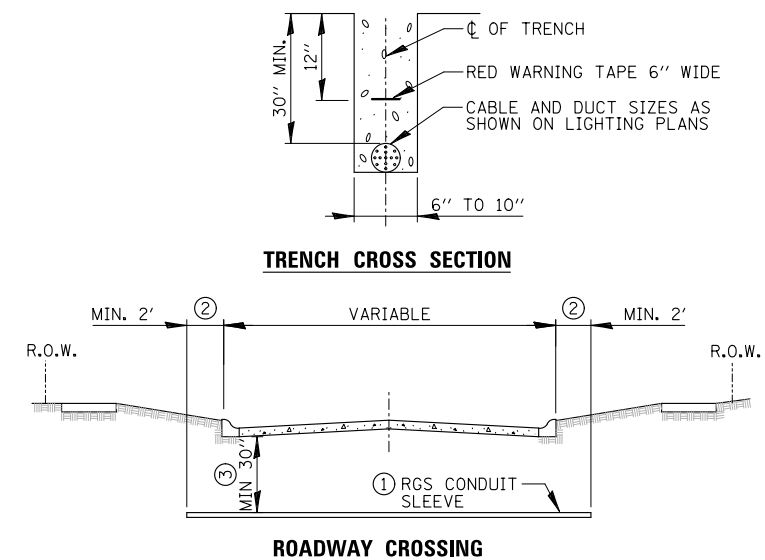
POLE WIRING DETAIL
N.T.S.



NOTES:

1. NO SPLICING ALLOWED IN HANDHOLE.
2. POLYMER CONCRETE HANDHOLE AND LID SHALL BE GREY.
3. BOX & LID SHALL MEET/EXCEED ANSI TIER 15 LOADING REQUIREMENTS, AND BE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/SCTE 77 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY", AND THE PROVISIONS OF PARAGRAPHS 5.2.3 AND 5.2.4 OF WESTERN UNDERGROUND COMMITTEE GUIDE 3.6.

POLYMER CONCRETE HANDHOLE
N.T.S.



- ① SLEEVE SHALL BE HEAVY WALL RIGID GALVANIZED STEEL (RGS) CONDUIT.
- ② SLEEVE SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
- ③ SLEEVE SHALL BE A MINIMUM OF 30" BELOW ROADWAY OR CURB BOTTOM.

ELECTRIC CONDUIT INSTALLATION
N.T.S.

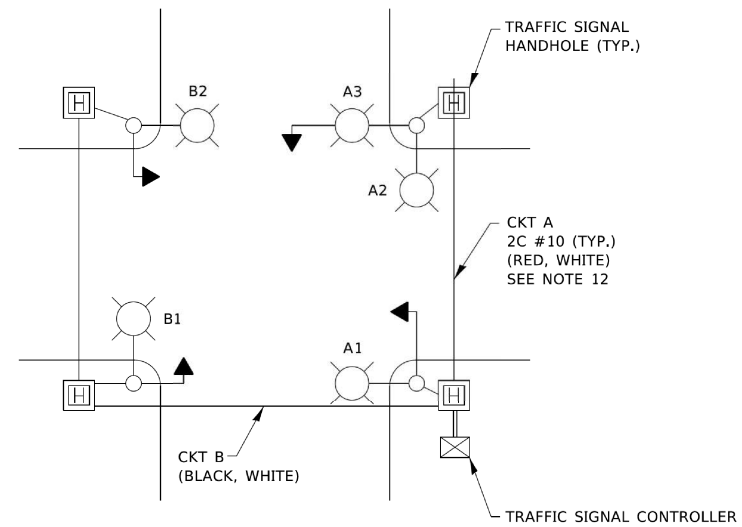
<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-2850</p>	USER NAME = aschaefer	DESIGNED AJD	REVISED -
	PLOT SCALE = 28'	DRAWN RJJ	REVISED -
	PLOT DATE = 4/3/2024	CHECKED AJD	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

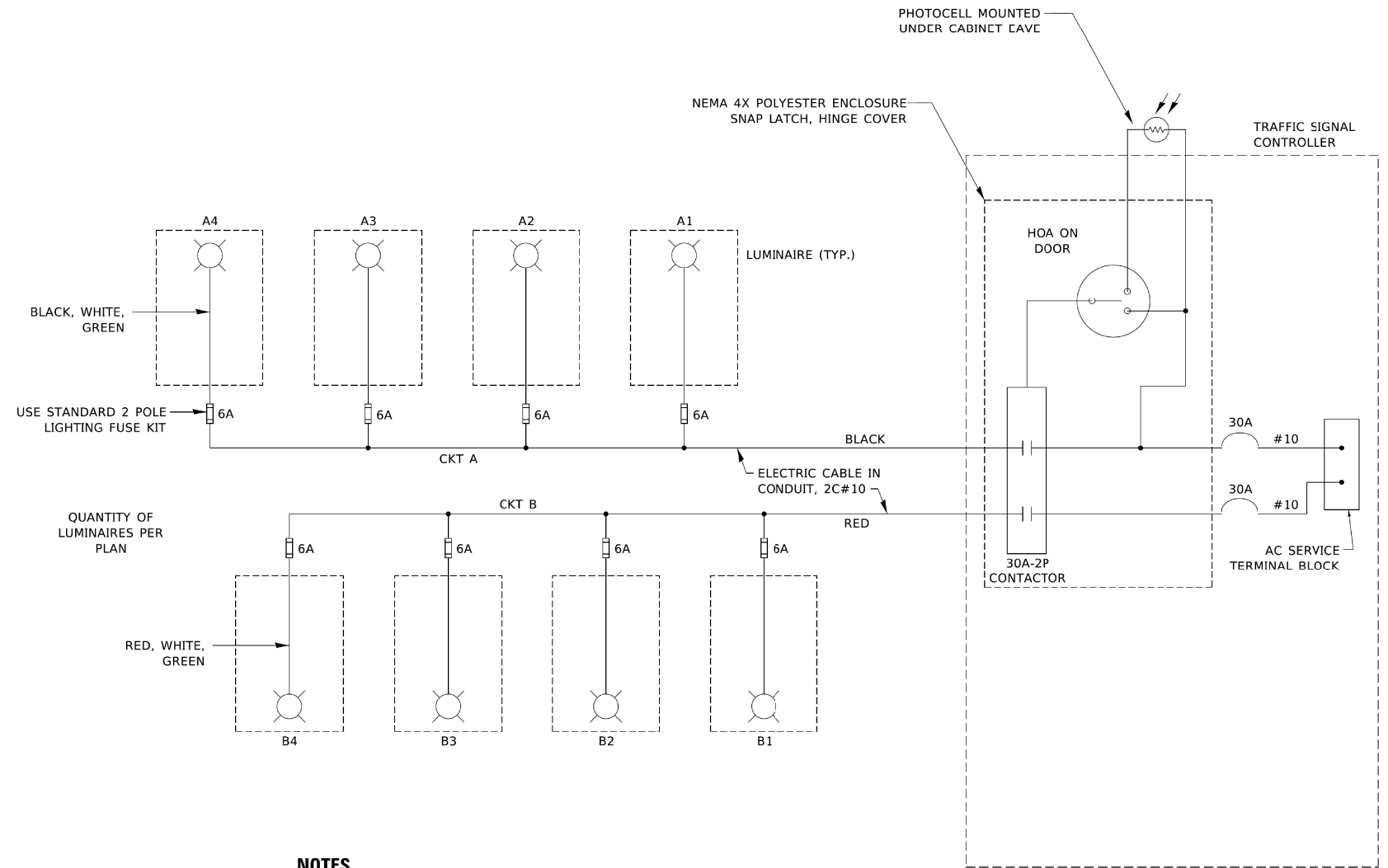
**11TH STREET AND ROBERTS ROAD
LIGHTING DETAILS (1 OF 4)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	79
			CONTRACT NO. 61H55	
ILLINOIS FED. AID PROJECT				

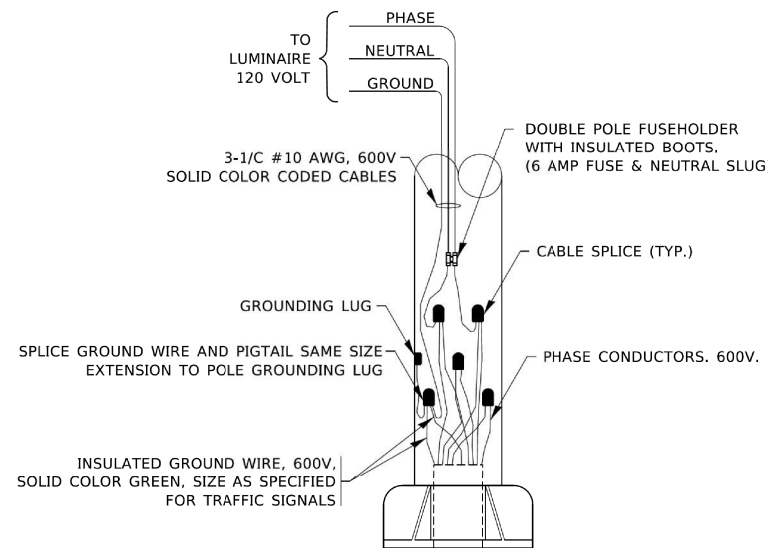


TYPICAL LIGHTING CIRCUIT
(NOT TO SCALE)



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.



COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

IDOT STANDARD BE-240
(REVISED 8/3/2021)

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-0950</p>	USER NAME = aschaefer	DESIGNED AJD	REVISED -
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

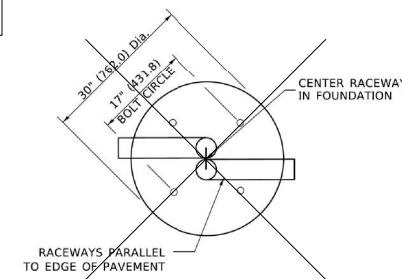
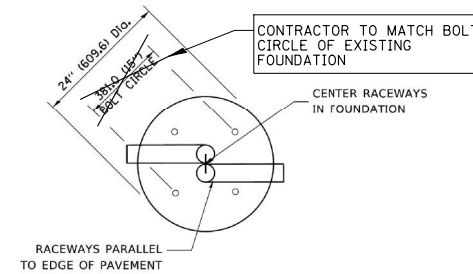
11TH STREET AND ROBERTS ROAD
LIGHTING DETAILS (2 OF 4)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	80
			CONTRACT NO. 61H55	
ILLINOIS FED. AID PROJECT				

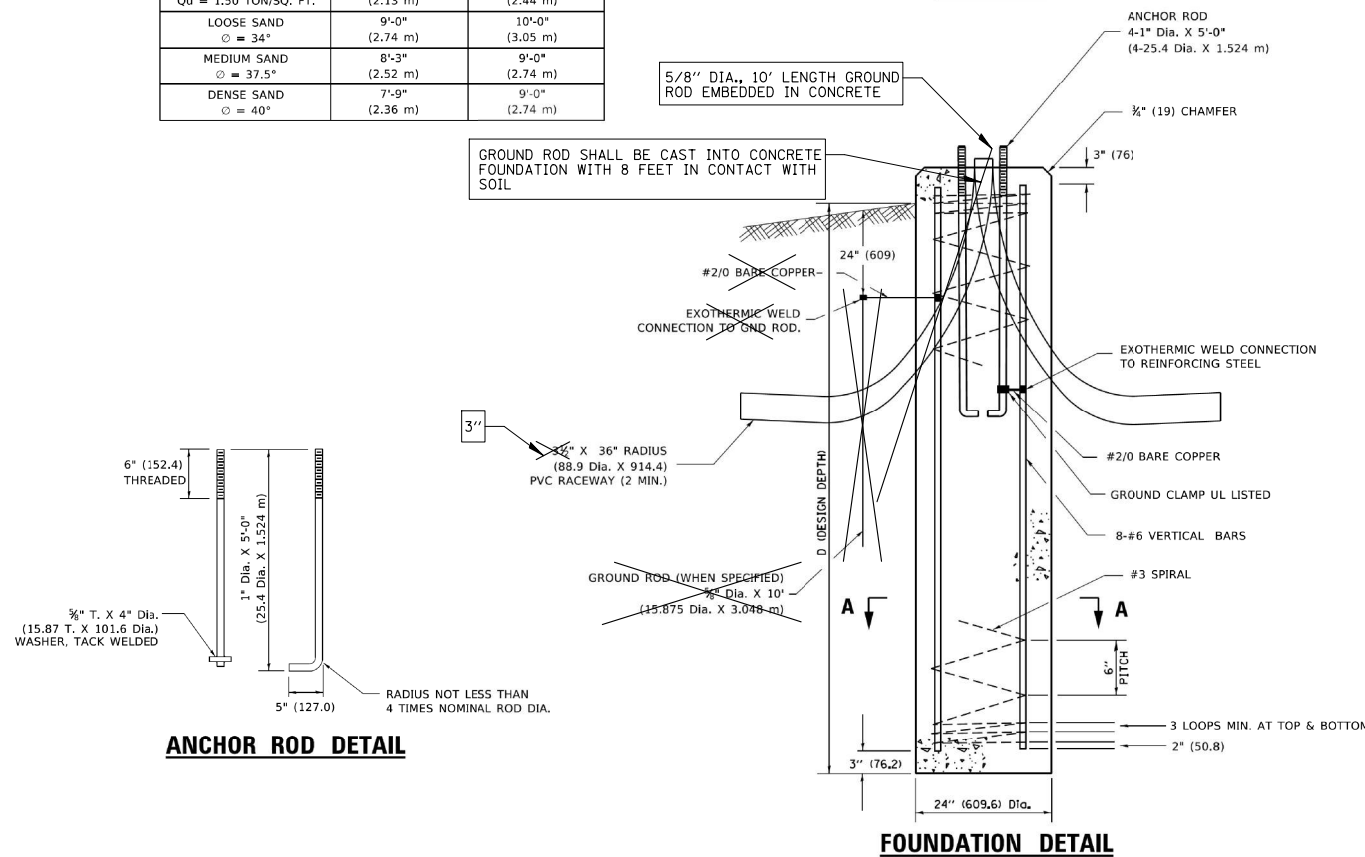
LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

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" (2.93 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 φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



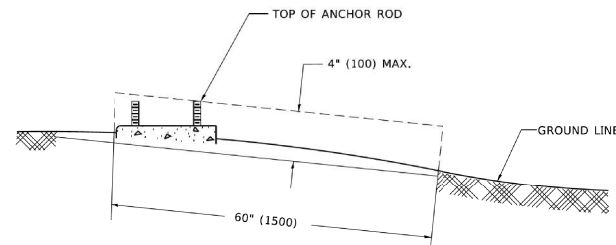
TOP VIEW

TOP VIEW

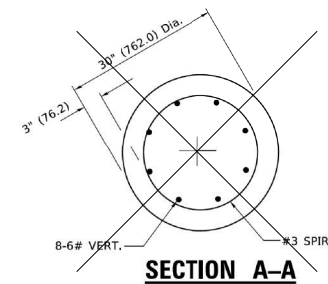
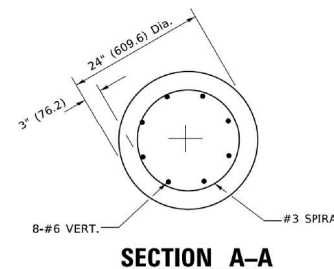


ANCHOR ROD DETAIL

FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- 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.
- 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.
- 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).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

PAID FOR UNDER "LIGHT POLE FOUNDATION, 24" DIAMETER".

IDOT STANDARD BE-301
(REVISED 4/22/2002)
MODIFIED FOR THIS PROJECT

LIGHT POLE FOUNDATION

N.T.S.

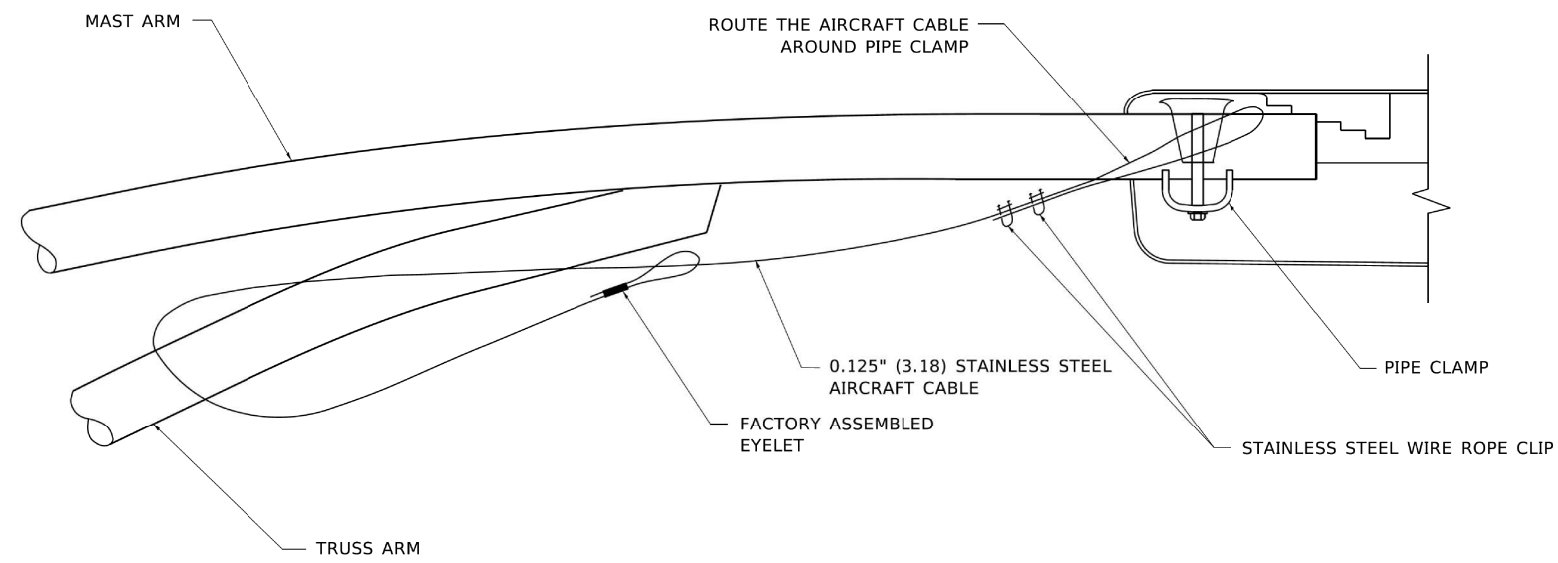
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

111TH STREET AND ROBERTS ROAD
LIGHTING DETAILS (3 OF 4)

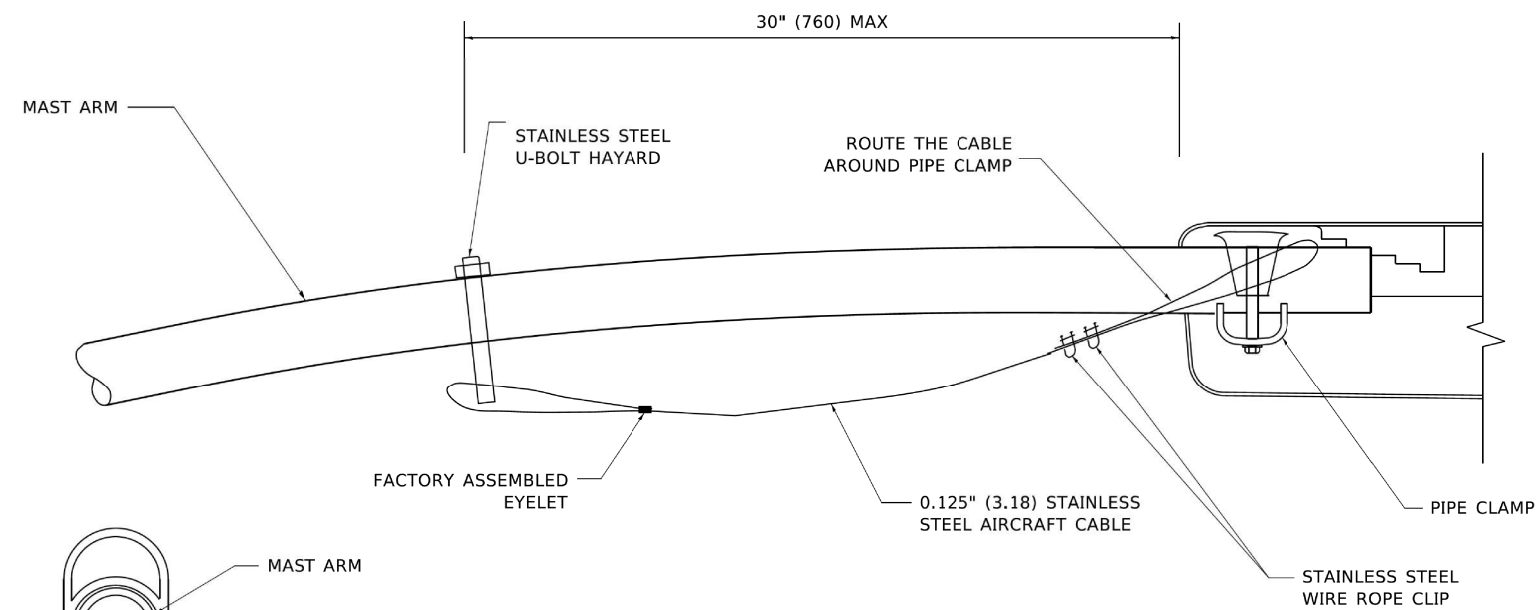
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	81
			CONTRACT NO. 61H55	

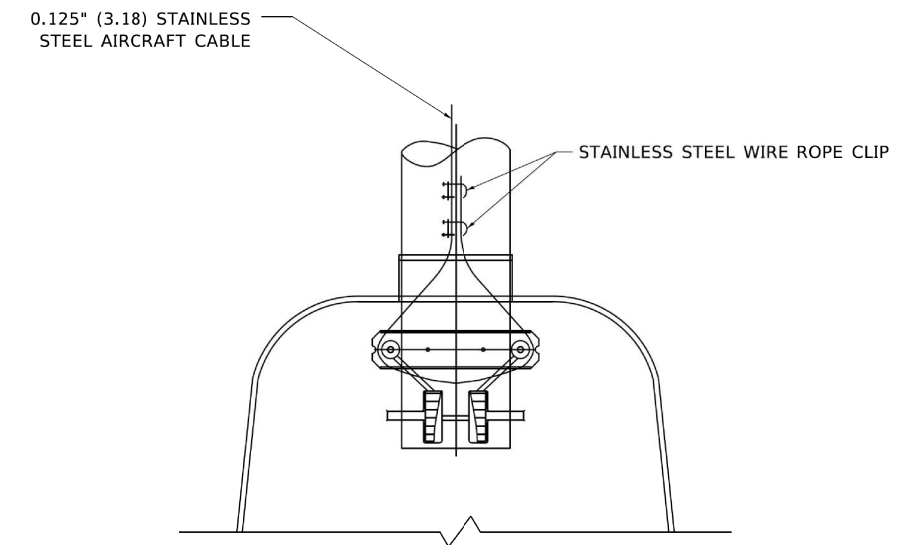
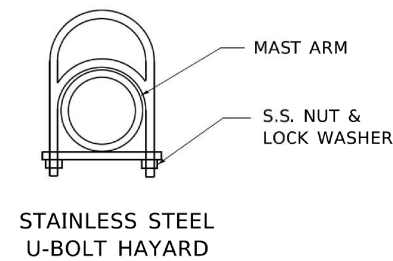
ILLINOIS FED. AID PROJECT



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



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



BOTTOM VIEW
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.

IDOT STANDARD BE-701
(REVISED 8/8/2003)

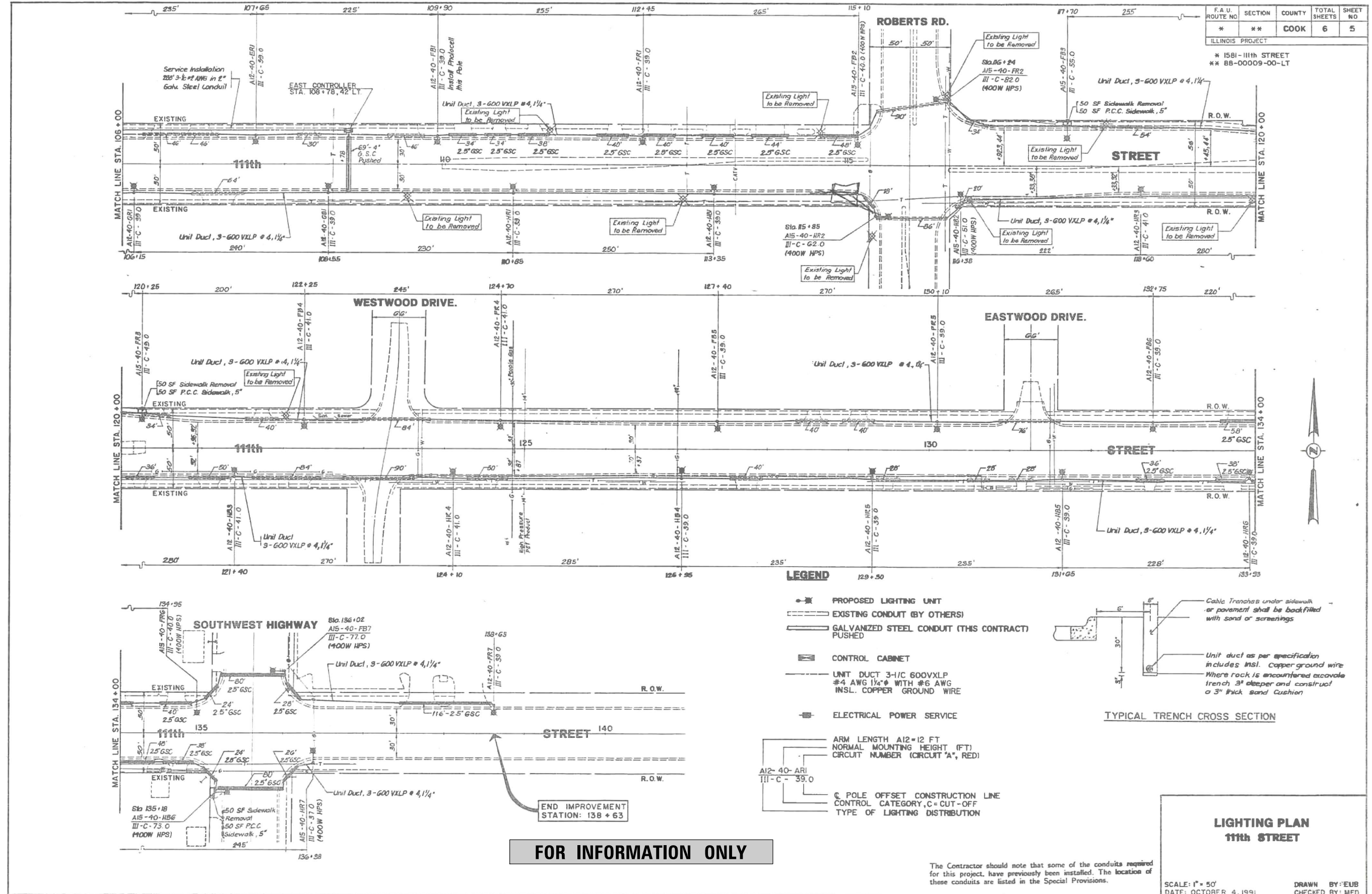
<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 16221 W. 156th Street, Suite 201 Lockport, Illinois 60441 (815) 770-0950</p>	USER NAME = aschaefer	DESIGNED AJD	REVISED -
	PLOT SCALE = 2B'	DRAWN RJJ	REVISED -
	PLOT DATE = 4/3/2024	CHECKED AJD	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

111TH STREET AND ROBERTS ROAD
LIGHTING DETAILS (4 OF 4)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	82
			CONTRACT NO. 61H55	
ILLINOIS FED. AID PROJECT				



CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 156th Street, Suite 201
Lockport, Illinois 60441
(815) 771-2850

USER NAME = aschaefer	DESIGNED AJD	REVISED -
PLOT SCALE = 28'	DRAWN RJJ	REVISED -
PLOT DATE = 4/3/2024	CHECKED AJD	REVISED -
	DATE -	REVISED -

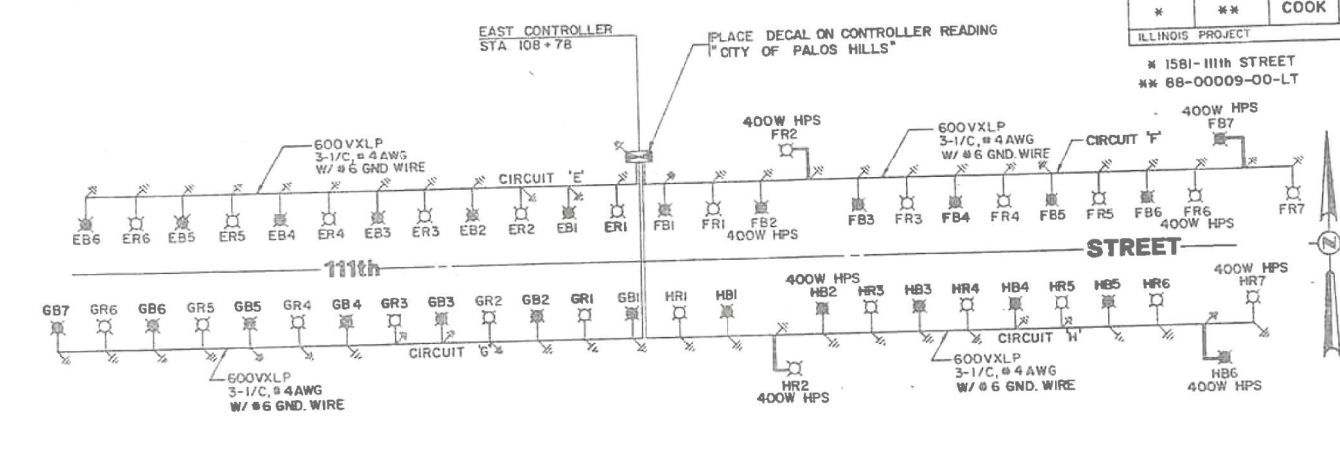
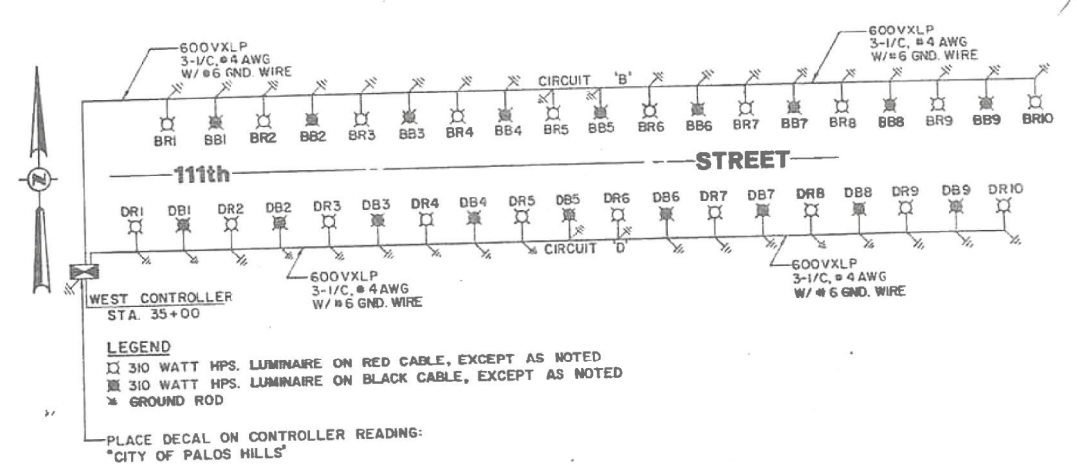
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

11TH STREET AND ROBERTS ROAD
RECORD DRAWINGS (1 OF 2)

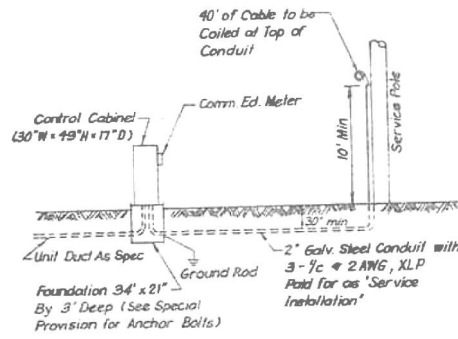
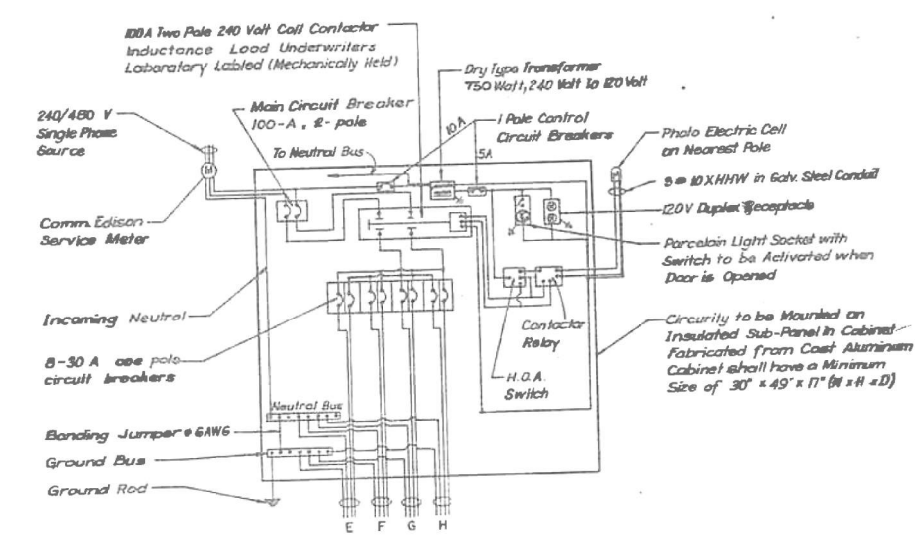
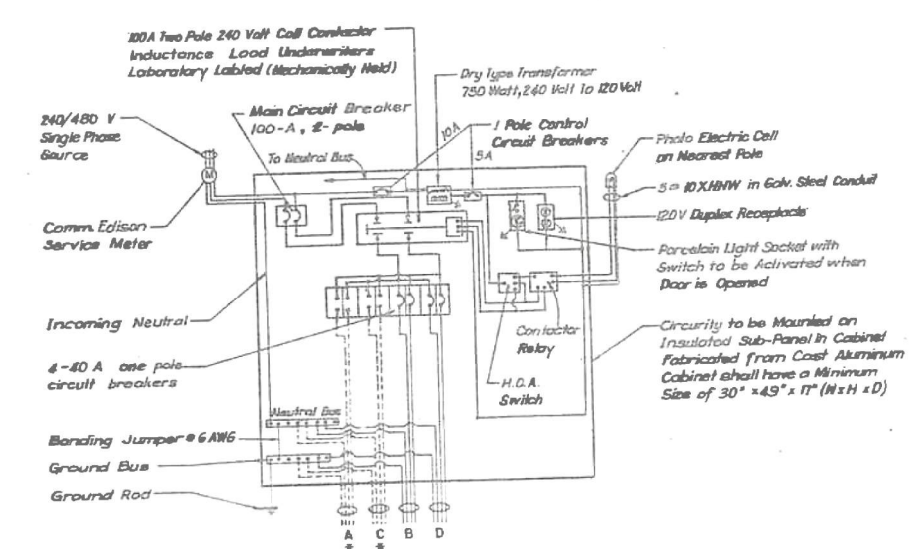
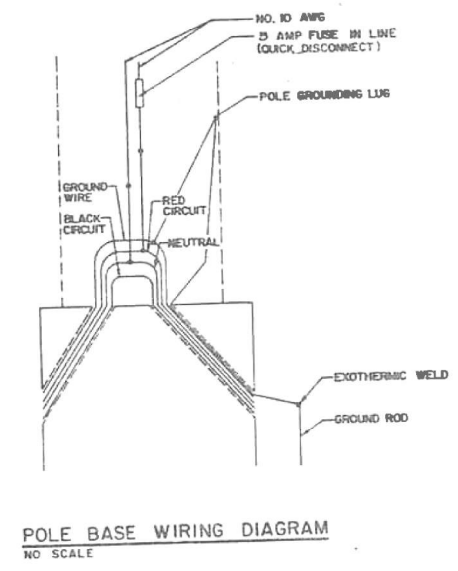
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	83
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#	**	COOK	6	6



FOR INFORMATION ONLY



- CONTROLLER WIRING NOTES**
- All power wiring shall be #2AWG, 600V, Type XHHW
 - Control wiring shall be #10AWG Type XLP
 - All grounding shall conform to N.E.C. Art. 250-91(a) & (c), 250-23, 250-51, Latest Edition

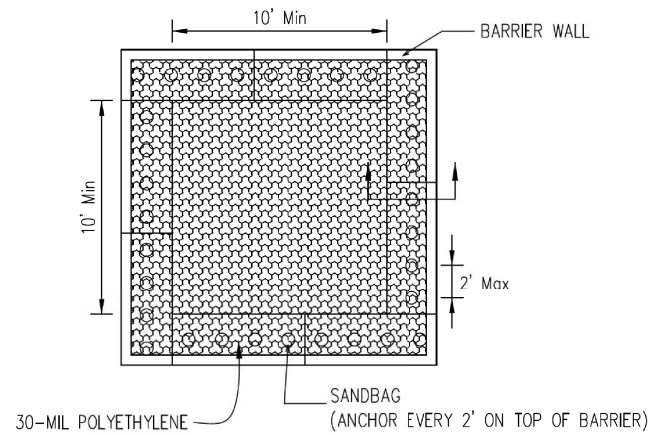
**LIGHTING PLAN
111th STREET**

SCALE: NONE
DATE: OCTOBER 4, 1991

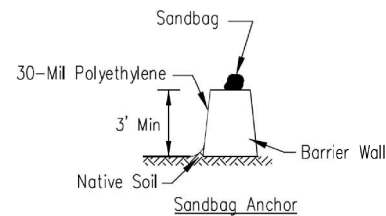
DRAWN BY: EUB
CHECKED BY: MFD

IUM-654BW
TEMPORARY CONCRETE
WASHOUT FACILITY - BARRIER WALL

Date
Drawn B. JOHNSON 6/2/08



PLAN VIEW



BARRIER WALL ANCHOR SECTION

NOTES:

- Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
- Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

PREFABRICATED CONCRETE WASHOUT FACILITIES

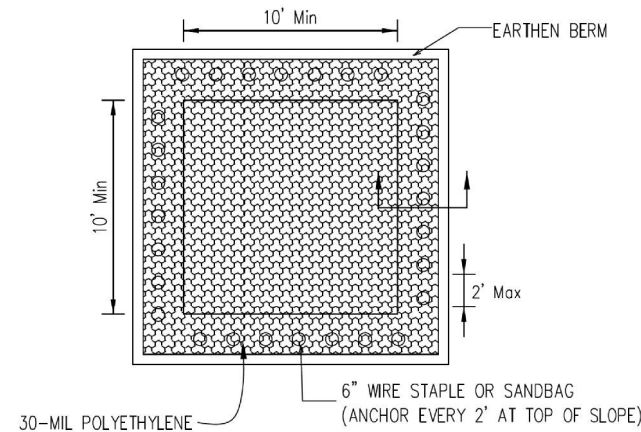
- Prefabricated facilities can be any water tight unit designed to contain concrete slurry and solids.
- Prefabricated facilities shall be of sufficient volume and quantity to contain all the liquids and concrete waste generated by washout operations.

REMOVAL OF TEMPORARY WASHOUT FACILITIES

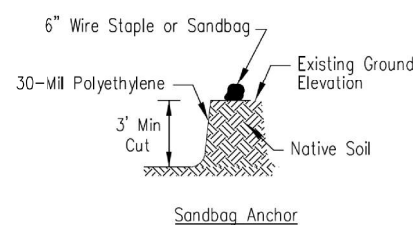
- When temporary concrete washout facilities are no longer required for the work, the facilities shall be removed from the site of the work.
- Holes, depressions or other ground disturbances caused by removal of the temporary concrete washout facilities shall be restored to the satisfaction of the engineer.

IUM-654ET
TEMPORARY CONCRETE
WASHOUT FACILITY - EARTHEN TYPE

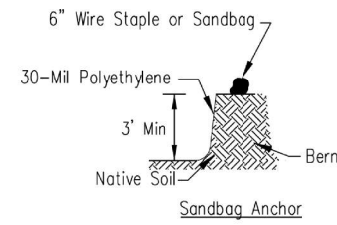
Date
Drawn B. JOHNSON 6/2/08



PLAN VIEW



SUBGRADE ANCHOR SECTIONS



EARTHEN BERM ANCHOR SECTIONS

NOTES:

- Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
- Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

TEMPORARY CONCRETE WASHOUT FACILITIES •BELOW GRADE•

- Below grade washout facilities shall be constructed with a minimum length and minimum width of 3m (10 ft) but of sufficient volume and quantity to contain all the liquids and concrete waste generated by washout operations.
- The soil base shall be prepared free of rocks or debris that may cause tears or holes in the plastic lining material.
- The facility shall be lined with a 30-mil polyethylene liner and secured using sand bags, 6• wire staples or other anchors. The plastic lining material shall be free of holes and tears and must be impermeable.

TEMPORARY CONCRETE WASHOUT FACILITIES •ABOVE GRADE•

- Above grade washout facilities shall be constructed with a minimum length and minimum width of 3m (10 ft) but of sufficient volume and quantity to contain all the liquids and concrete waste generated by washout operations.
- The walls of the above grade facilities may be constructed of straw bales, barrier walls or earthen berms. If straw bales are used, they shall be entrenched 3• into the earth, butted tightly end to end and staked in place using 2• x 2• x 4• wooden stakes. If barrier walls are used, they shall be butted tightly end to end.
- The facility shall be lined with a 30-mil polyethylene liner and secured using sand bags, 6• wire staples, or other anchors. The plastic lining material shall be free of holes and tears and must be impermeable.

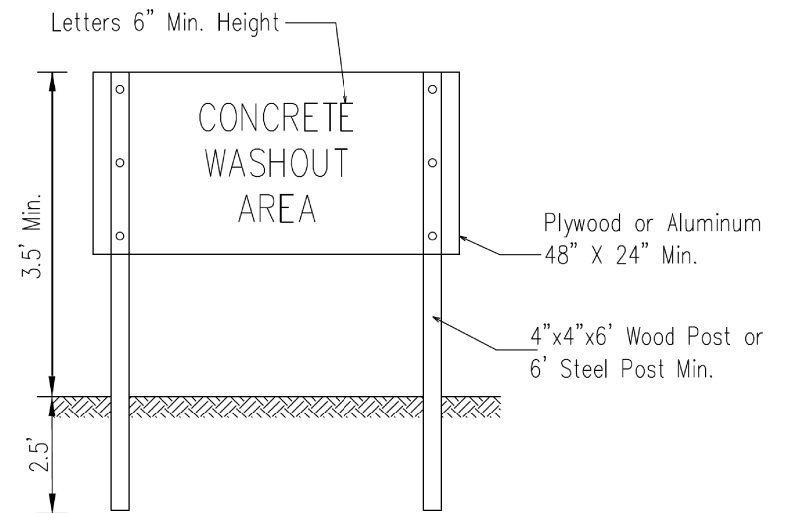
ILLINOIS URBAN MANUAL 2010

This practice applies on any construction site where concrete is used.

CRITERIA

The following steps shall be taken to effectively control concrete wastes.

- Perform washout of concrete mixer trucks in designated areas only.
- Each facility shall have appropriate signage to inform concrete equipment operators of the proper washout locations.
- Each facility shall be located in an area protected from possible damage from construction traffic and have a stabilized access to prevent tracking onto streets.
- Washout facilities shall be located on level ground a minimum of 15 m (50 ft) from storm drain inlets and all open drainage facilities. For smaller sites where the distance criteria may not be practical, washout facilities shall be located as far from drainage facilities as possible and additional inspections shall be conducted to ensure no illicit discharges have occurred.
- Temporary concrete washout facilities shall be supplied in sufficient quantity and size to manage all liquid and solid wastes generated by washout operations.
- Washout water from low volume facilities shall be allowed to evaporate and not be discharged into the environment.
- Washout water from high volume facilities shall be removed with a vacuum truck and taken back to the batch plant. Washout water shall not be discharged into the environment.
- Solidified concrete waste from washout facilities shall be considered Clean Construction or Demolition Debris (CCDD) as per the Illinois Environmental Protection Act (415 ILCS 5) and disposed of in accordance to the Act.
- Each facility shall be inspected daily to ensure the container is not leaking or nearing two-thirds capacity of either solids, liquids or a combination of both.



SIGN DETAIL

FILE DATE: TIMES

COUNTY HIGHWAY#	XXX
FISCAL YEAR#	XXXX
SECTION#	XX-XXXX-XX-XX



COUNTY OF COOK
DEPARTMENT OF TRANSPORTATION AND HIGHWAYS

COMPUTED: X.X.X.
DRAWN: X.X.X.
CHECKED: X.X.

REVISIONS	DATE

PROJECT NAME
DRAINAGE TEMPORARY CONCRETE WASHOUT FACILITY STANDARD E-35

DU-X
SCALE: NONE SHEET XX

REVISION	
DATE	COMMENT
10-22-12 MK	formerly E-25

CHRISTOPHER B. BURKE ENGINEERING, LTD.
16221 W. 156th Street, Suite 201
Lockport, Illinois 60441
(815) 770-0950

USER NAME = aschaefer
DESIGNED - AJS
DRAWN - JRS
PLOT SCALE = N.T.S.
CHECKED - BMW
PLOT DATE = 4/3/2024
DATE -

DESIGNED - AJS
DRAWN - JRS
CHECKED - BMW
DATE -

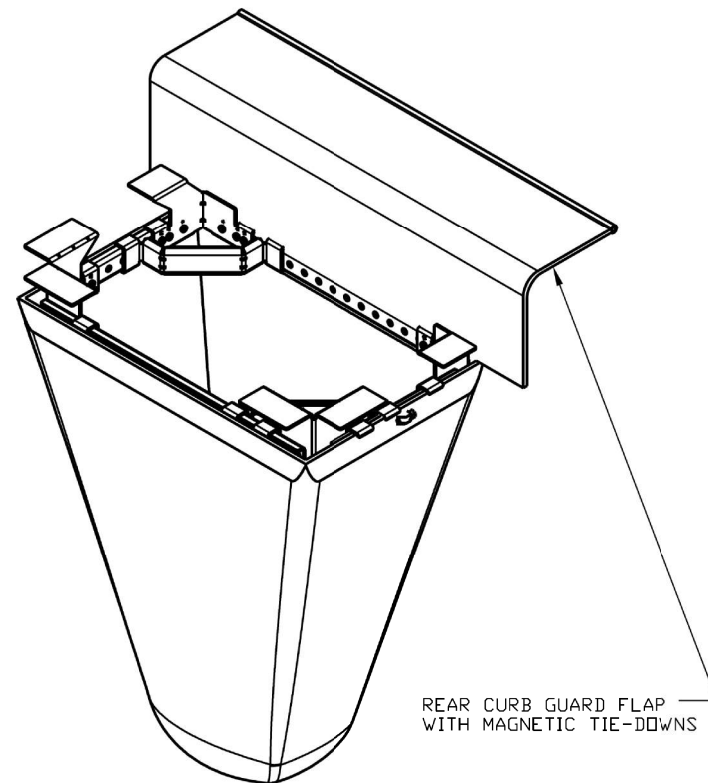
REVISED -
REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

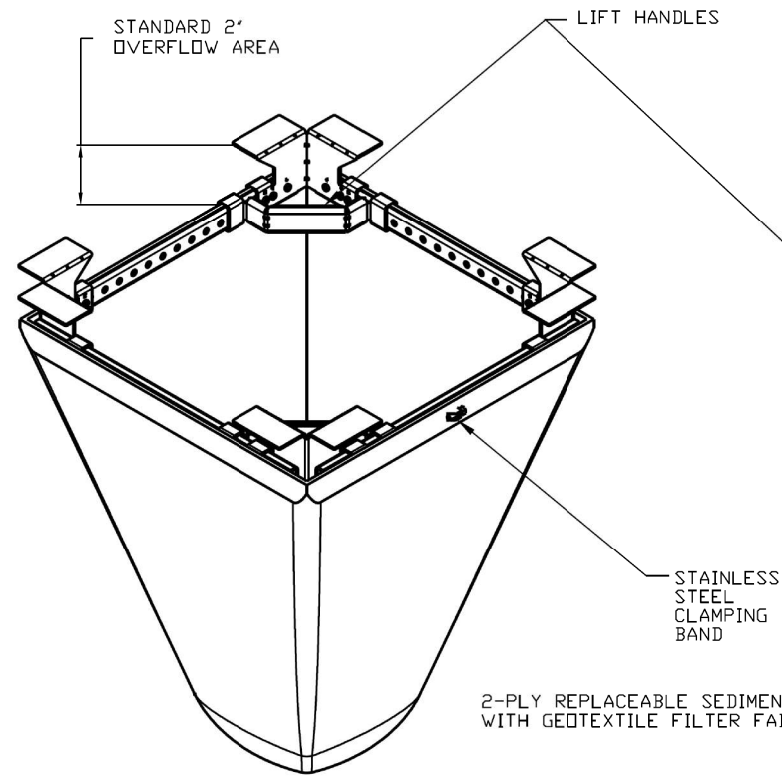
11TH STREET AND ROBERTS ROAD
CONSTRUCTION DETAILS

SCALE: N.T.S. SHEET 1 OF 5 SHEETS STA. TO STA.

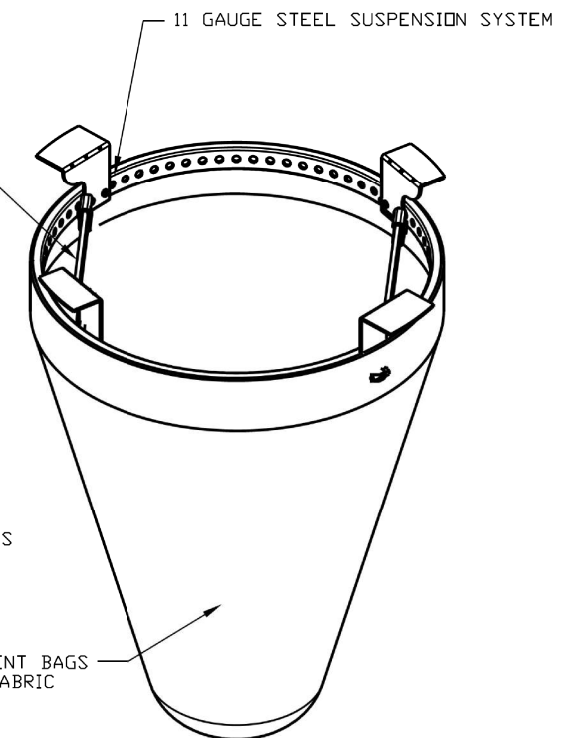
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	85
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				



TYPICAL CURB BOX INLET FILTER

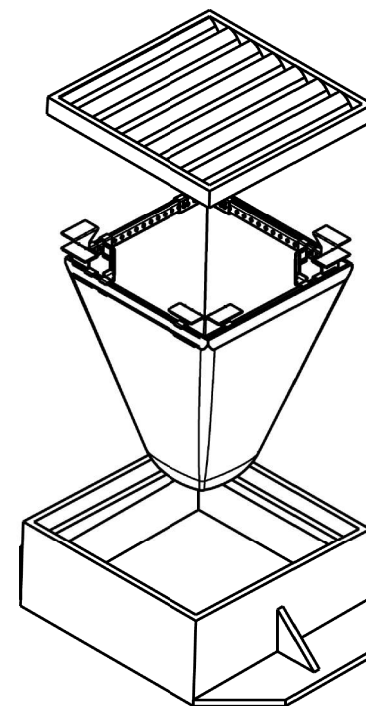


TYPICAL FLAT/RECTANGULAR/ROLLED CURB INLET FILTER

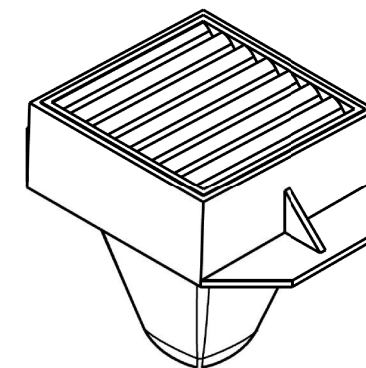


TYPICAL ROUND INLET FILTER

IDOT Inlet Filter Specifications		
Material Property	Test Method	Value (min ave)
> NonWoven Geotextile Inner Filter Bag Specs (2 ft³ min vol)		
Grab Tensile	ASTM D 4632	100 lbs
Puncture Strength	ASTM D 4833	65lbs
Trapezoidal Tear	ASTM D 4533	45 lbs
UV Resistance	ASTM D 4355	70% at 500 hrs
App Open Size (AOS)	ASTM D 4751	70 sieve (.212 mm)
Permittivity	ASTM D 4491	2.0/sec
Water Flow Rate	ASTM D 4491	145 gpm/sqft
> Polyester Outer Reinforcement Bag Specifications		
Weight	ASTM D 3776	4.55 oz/sqyd +/- 15%
Thickness	ASTM D 1777	.040 +/- .005
> Frame Construction		
A36 Structural Steel; 11 Guage; Zinc Plated	ASTM A 576	Tensile Strength > 58,000 psi; Yield Strength > 36,000 psi



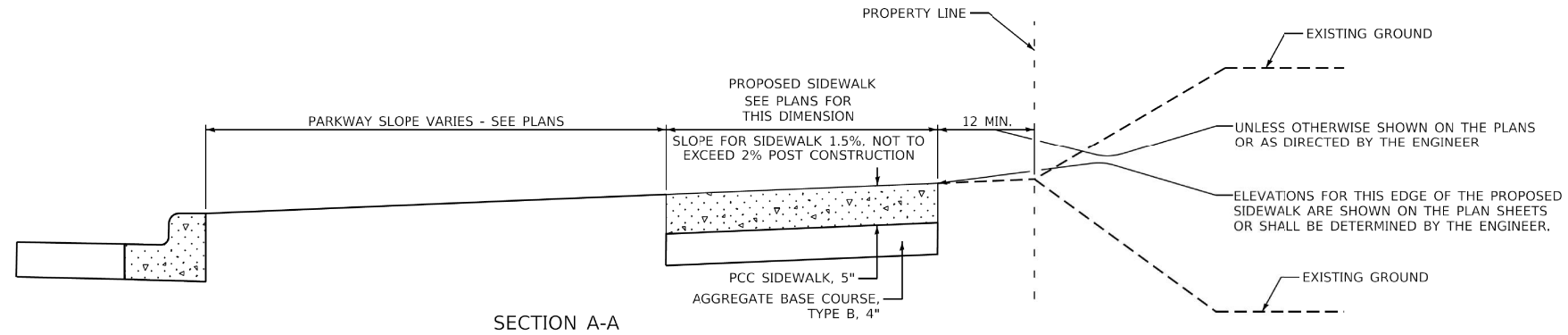
- INSTALLATION:**
1. REMOVE GRATE
 2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
 3. REPLACE GRATE



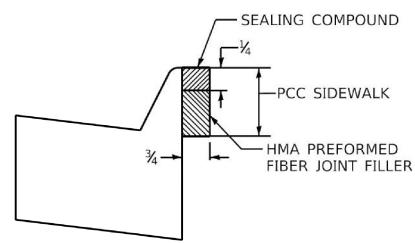
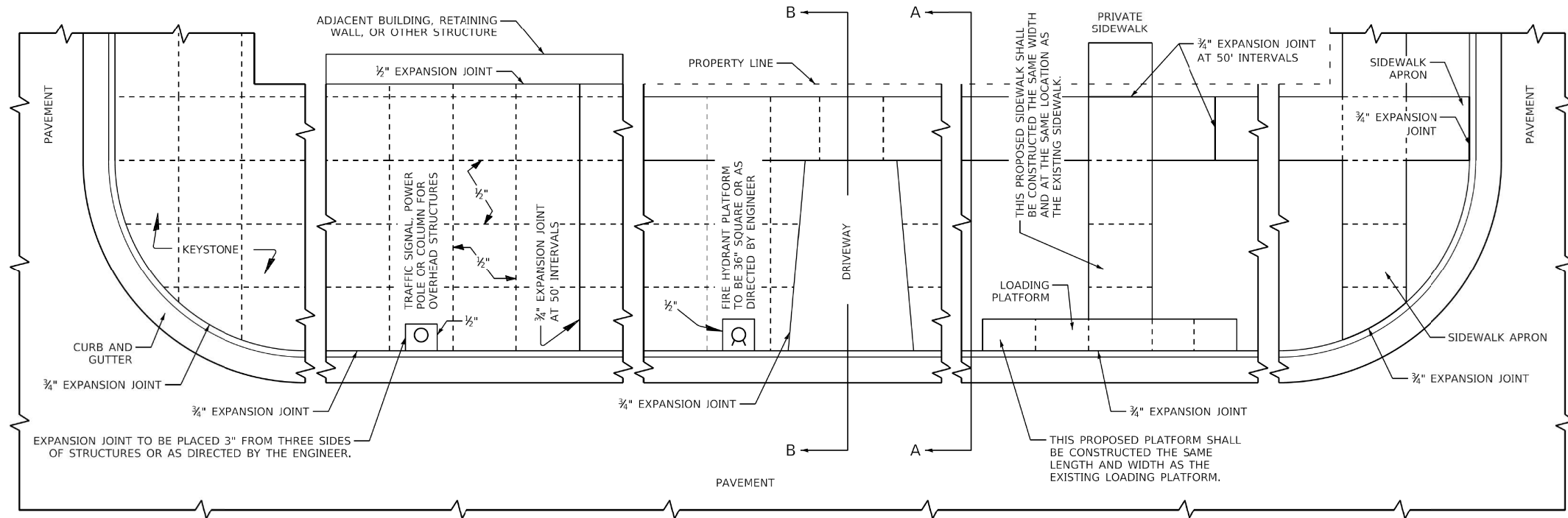
REVISION	
DATE	COMMENT
04-05-12 - MK	
02-10-14 - JM	

FILE DATE: TIMES

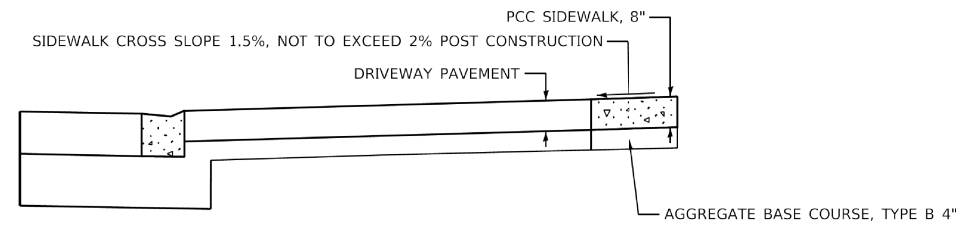
COUNTY HIGHWAY: XXX FISCAL YEAR: XXXX SECTION: XX-XXXX-XX-XX	COUNTY OF COOK DEPARTMENT OF TRANSPORTATION AND HIGHWAYS	COMPUTED: X.X.X.	REVISIONS:	DATE:	PROJECT NAME	DU-X
		DRAWN: X.X.X.				
		CHECKED: X.X.				



SECTION A-A



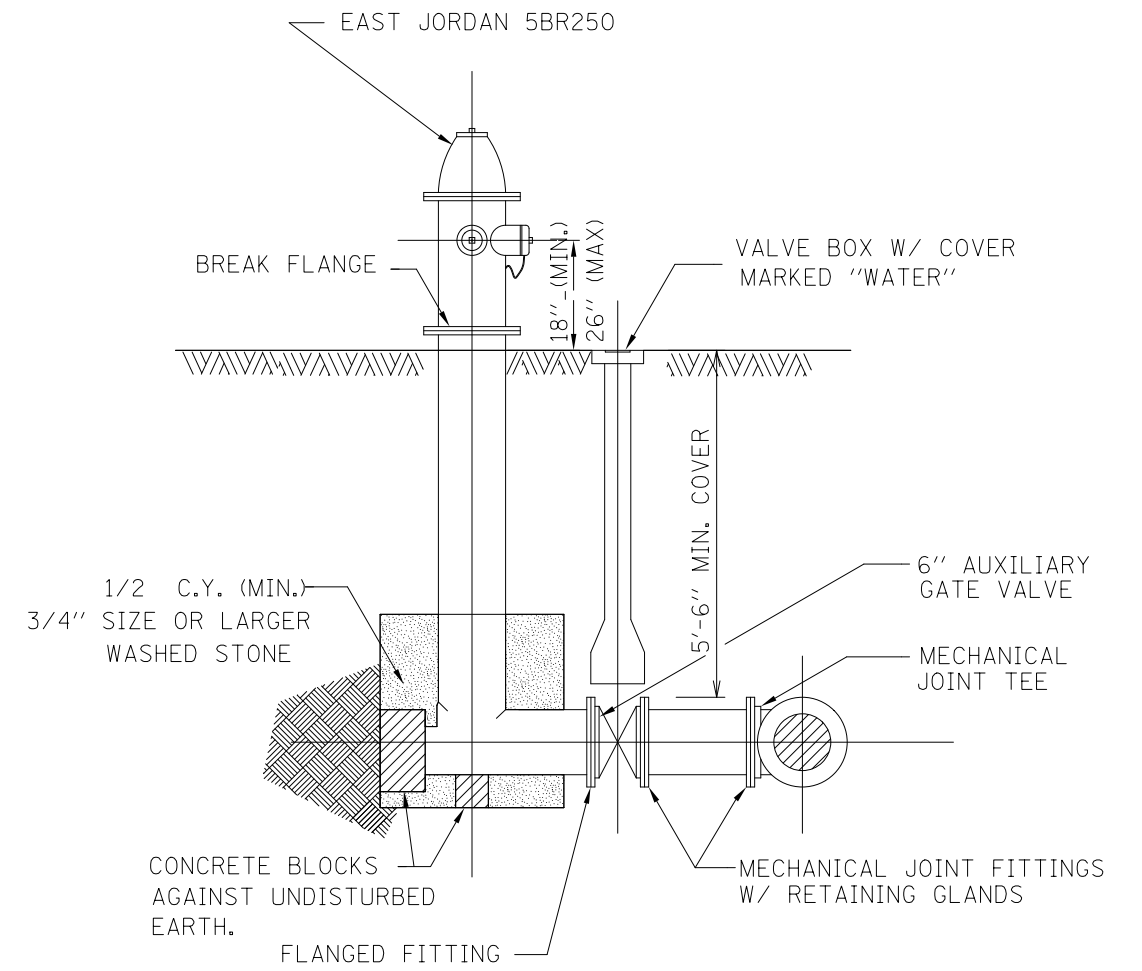
EXPANSION JOINT DETAIL



SECTION B-B

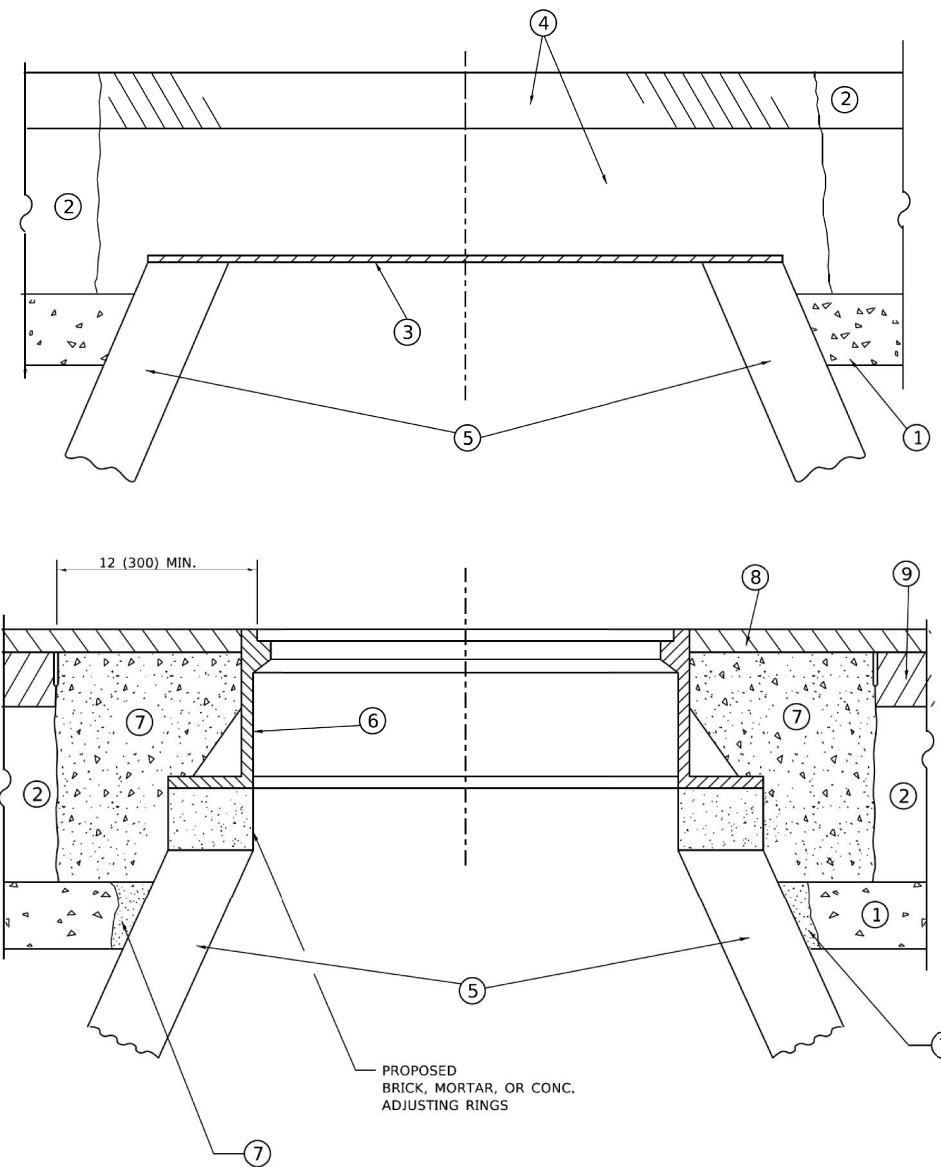
GENERAL NOTES:
 ALL EXPANSION JOINTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 424.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PORTLAND CEMENT CONCRETE SIDEWALK OF THE THICKNESS SPECIFIED.
 ALL DIMENSIONS ARE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

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



FIRE HYDRANT INSTALLATION

	USER NAME = aschaefer	DESIGNED - AJS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	111TH STREET AND ROBERTS ROAD CONSTRUCTION DETAILS	F.A.U. RTE. 1581	SECTION 17-00032-00-CH	COUNTY COOK	TOTAL SHEETS 112	SHEET NO. 89	
	PLOT SCALE = N.T.S.	CHECKED - BMW	REVISED -			CONTRACT NO. 61H55					
	PLOT DATE = 4/3/2024	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE: N.T.S.	SHEET 5 OF 5 SHEETS		STA.	TO STA.	



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

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

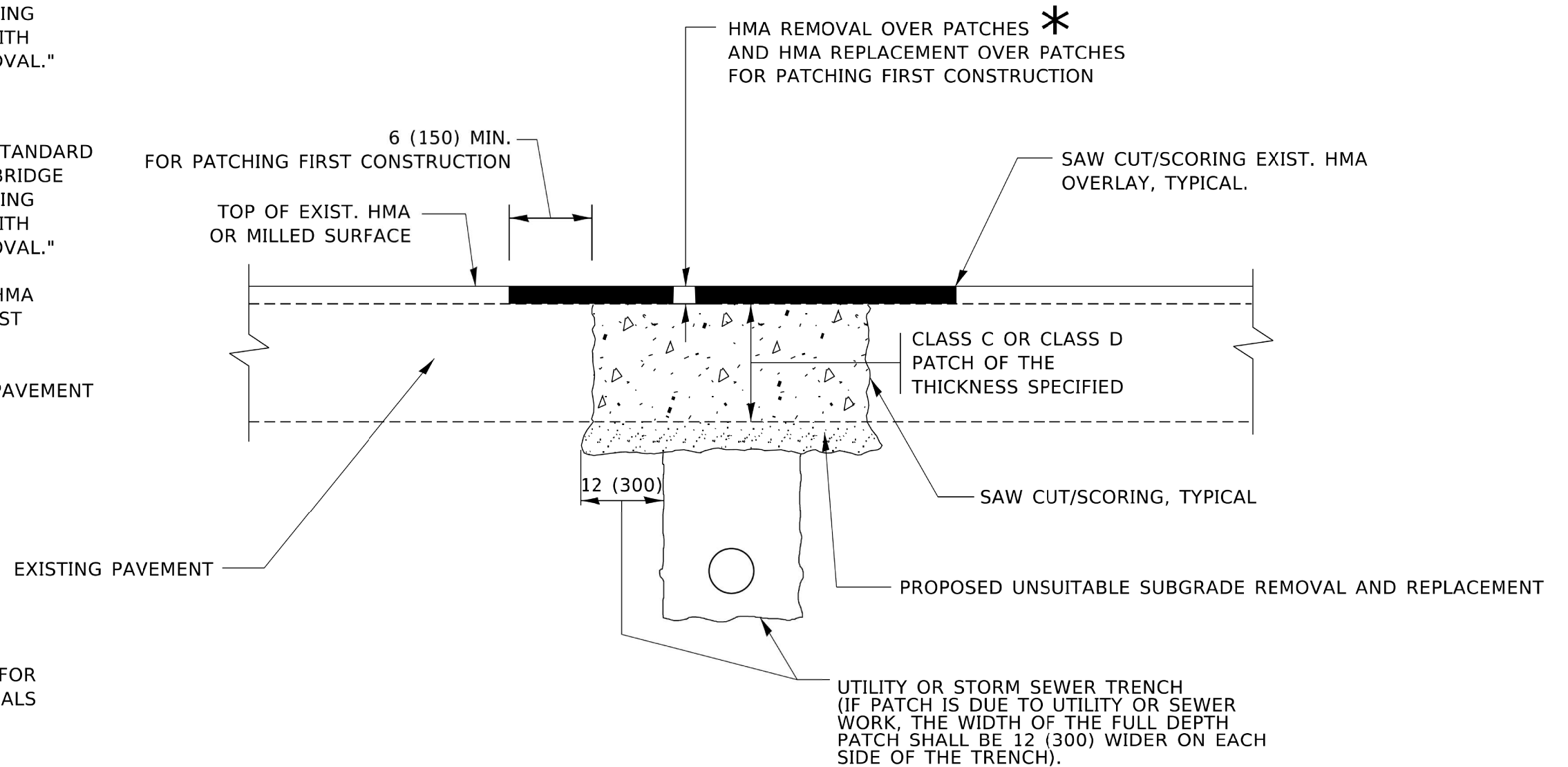
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1581	17-00032-00-CH	COOK	112	91
BD600-03 (BD-08)			CONTRACT NO. 61H55	
		ILLINOIS	FED. AID PROJECT	

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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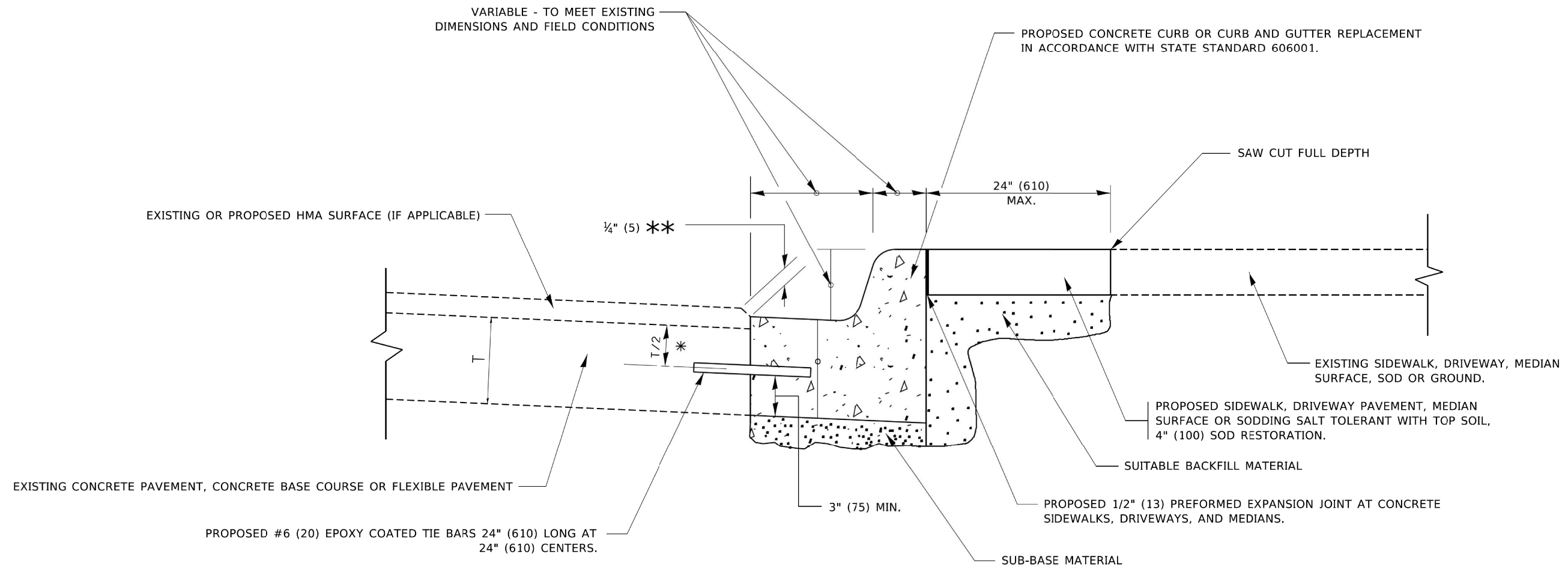
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PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	92
BD400-04 (BD-22)			CONTRACT NO. 61H55	
ILLINOIS FED. AID PROJECT				



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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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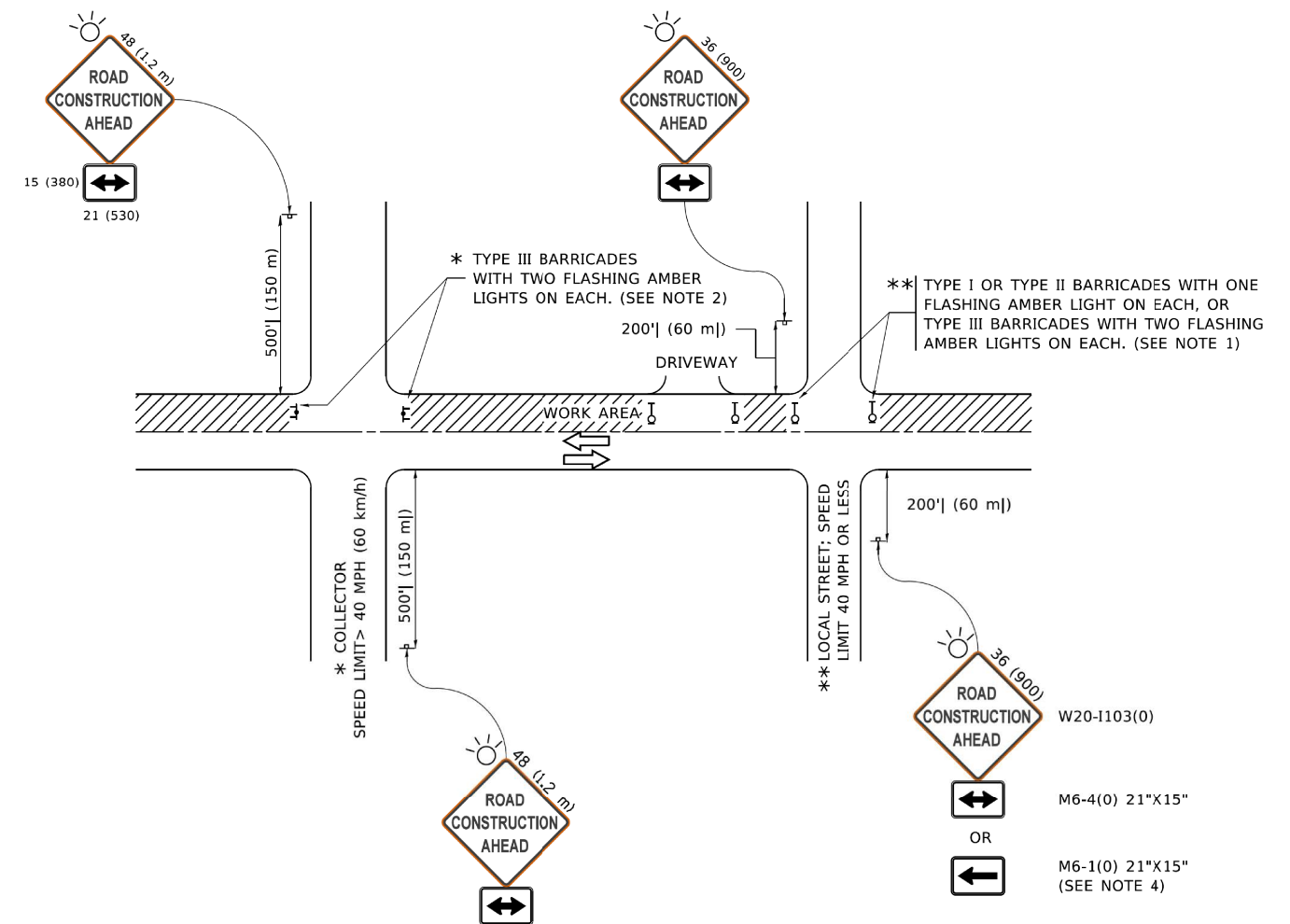
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PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	93
BD600-06 (BD-24)			CONTRACT NO. 61H55	
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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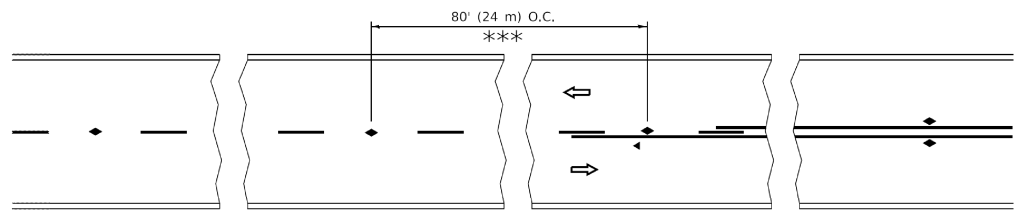
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PLOT SCALE = 50.0000" / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

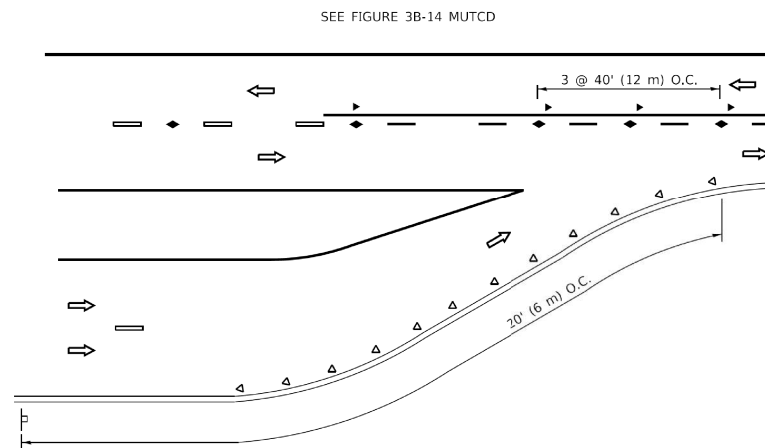
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61H55	
ILLINOIS FED. AID PROJECT				

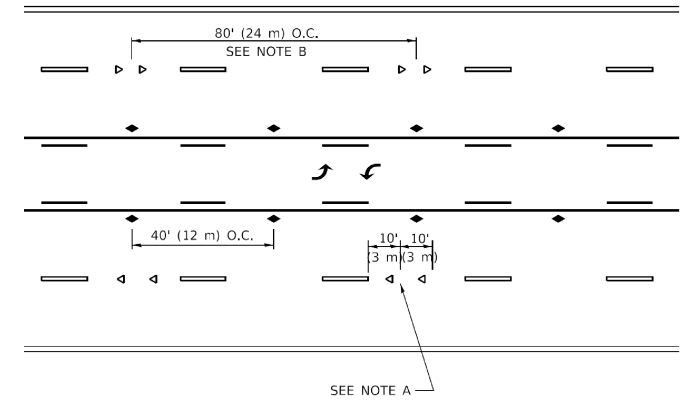


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

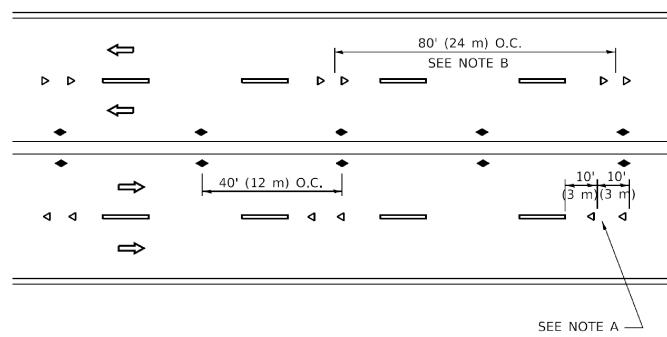


LANE REDUCTION TRANSITION



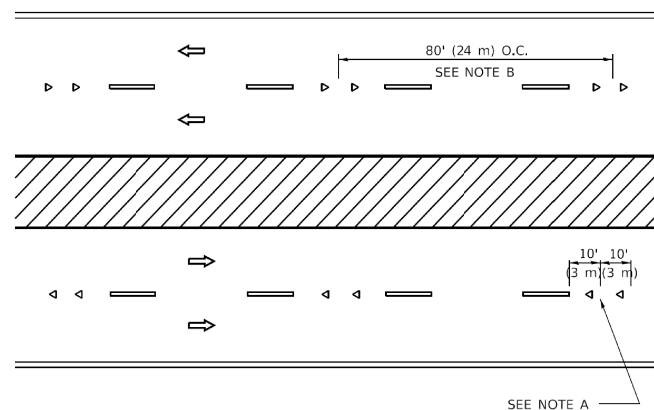
TWO-WAY LEFT TURN

SEE NOTE A



MULTI-LANE/UNDIVIDED

SEE NOTE A



MULTI-LANE/DIVIDED

SEE NOTE A

GENERAL NOTES

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

SYMBOLS

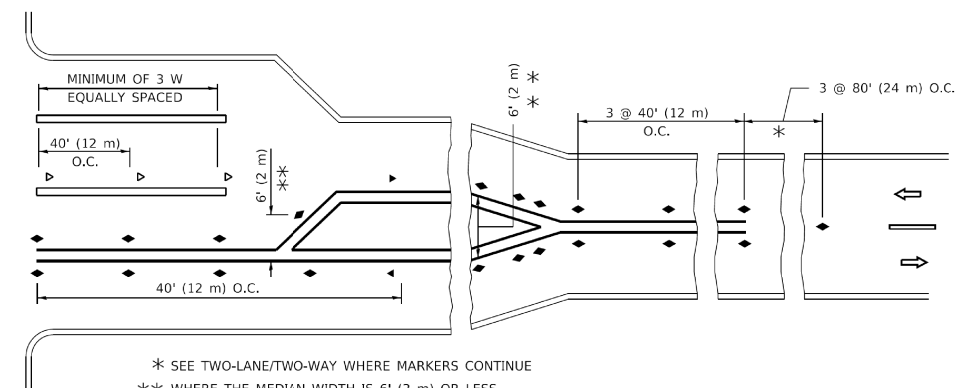
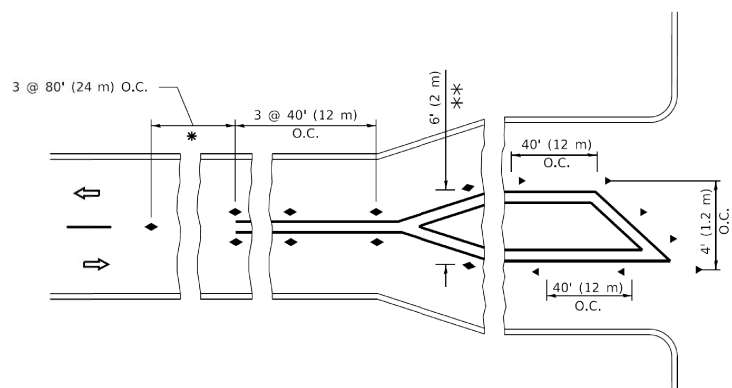
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

TURN LANES

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

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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000" / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	96
TC-11		CONTRACT NO. 61H55		
ILLINOIS		FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

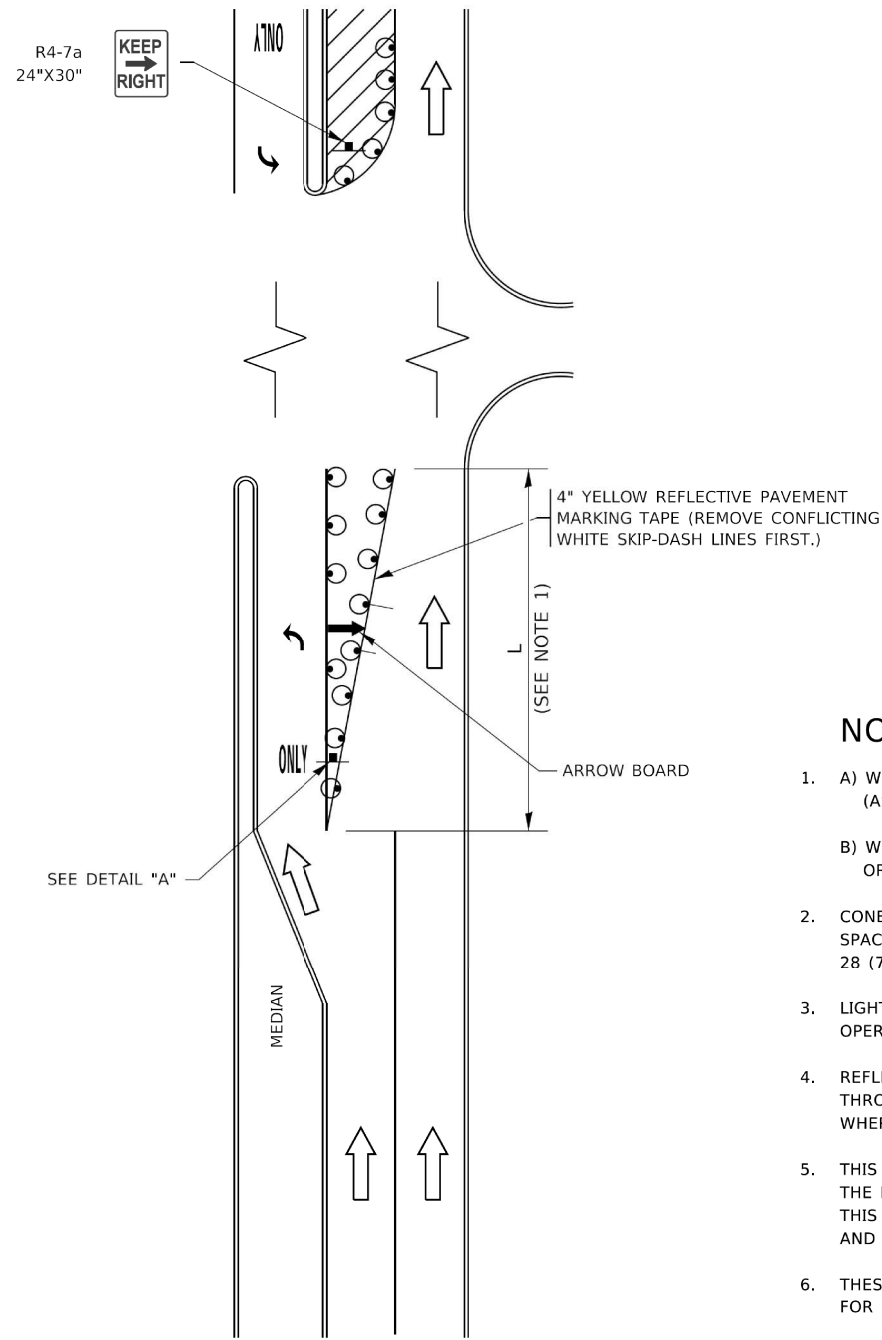


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

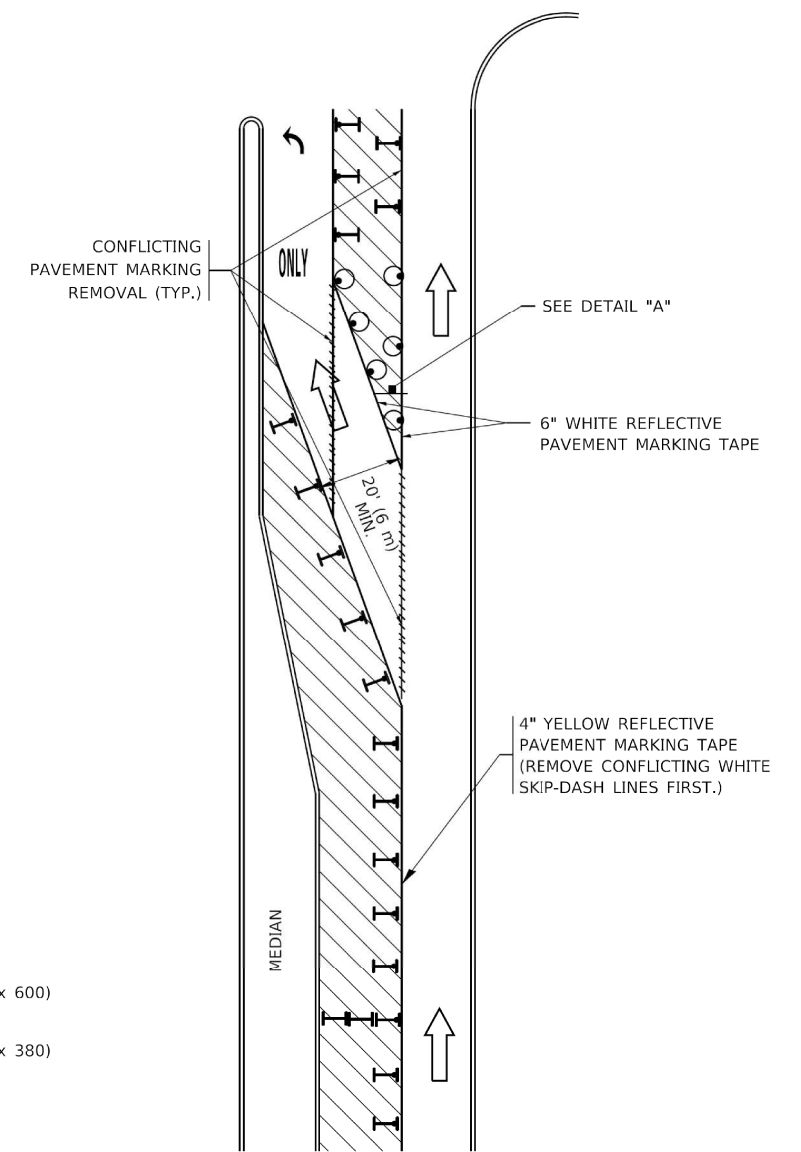


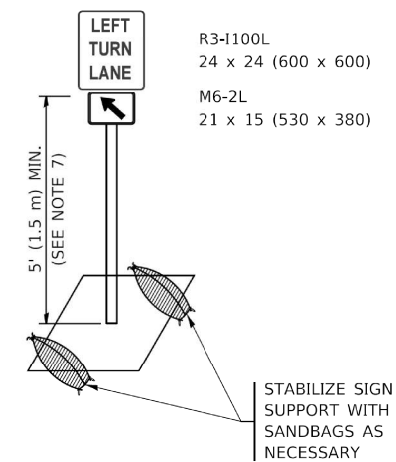
FIGURE 2

LEGEND

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

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

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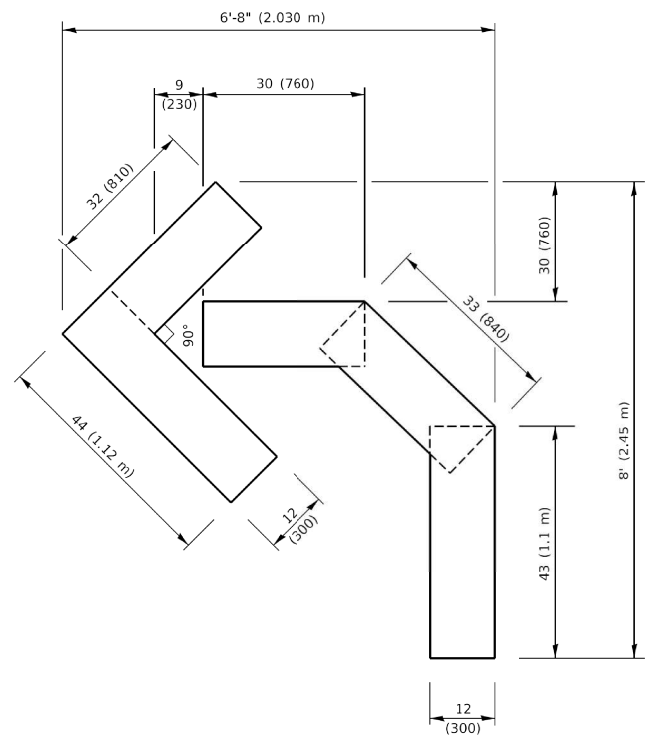
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PLOT SCALE = 50.0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

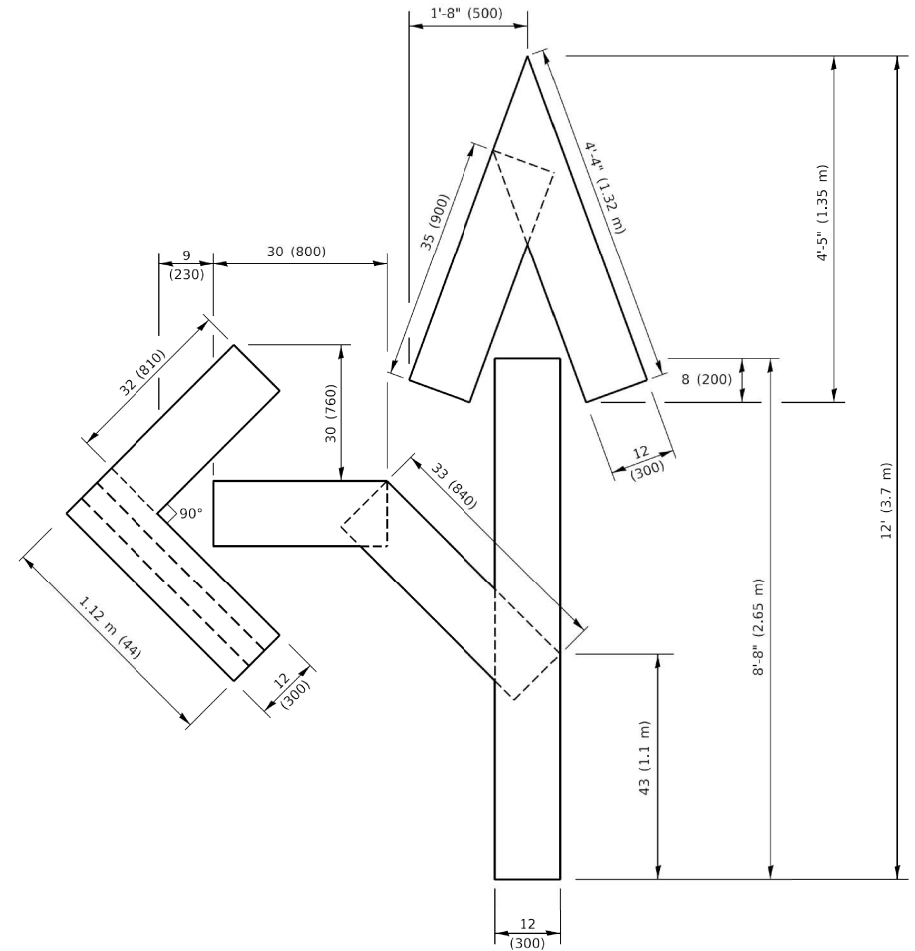
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

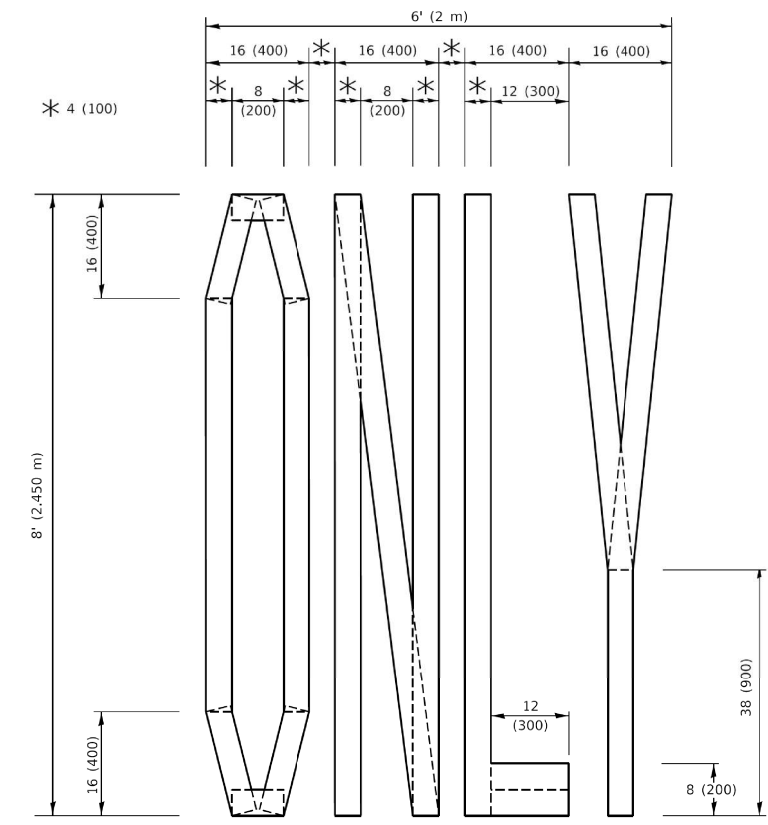
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1581	17-00032-00-CH	COOK	112	98
TC-14			CONTRACT NO. 61H55	
ILLINOIS FED. AID PROJECT				



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

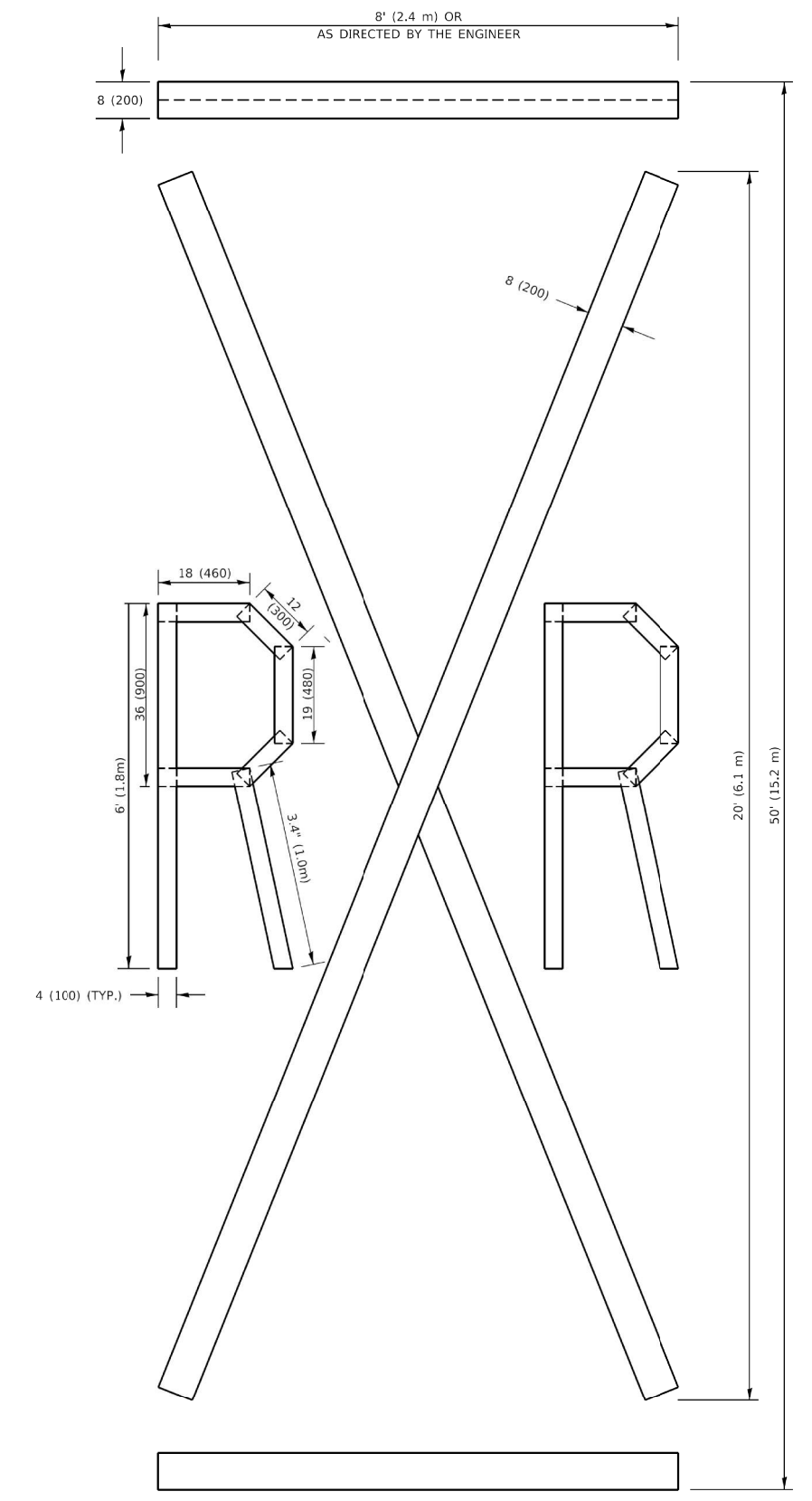


QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 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.



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

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

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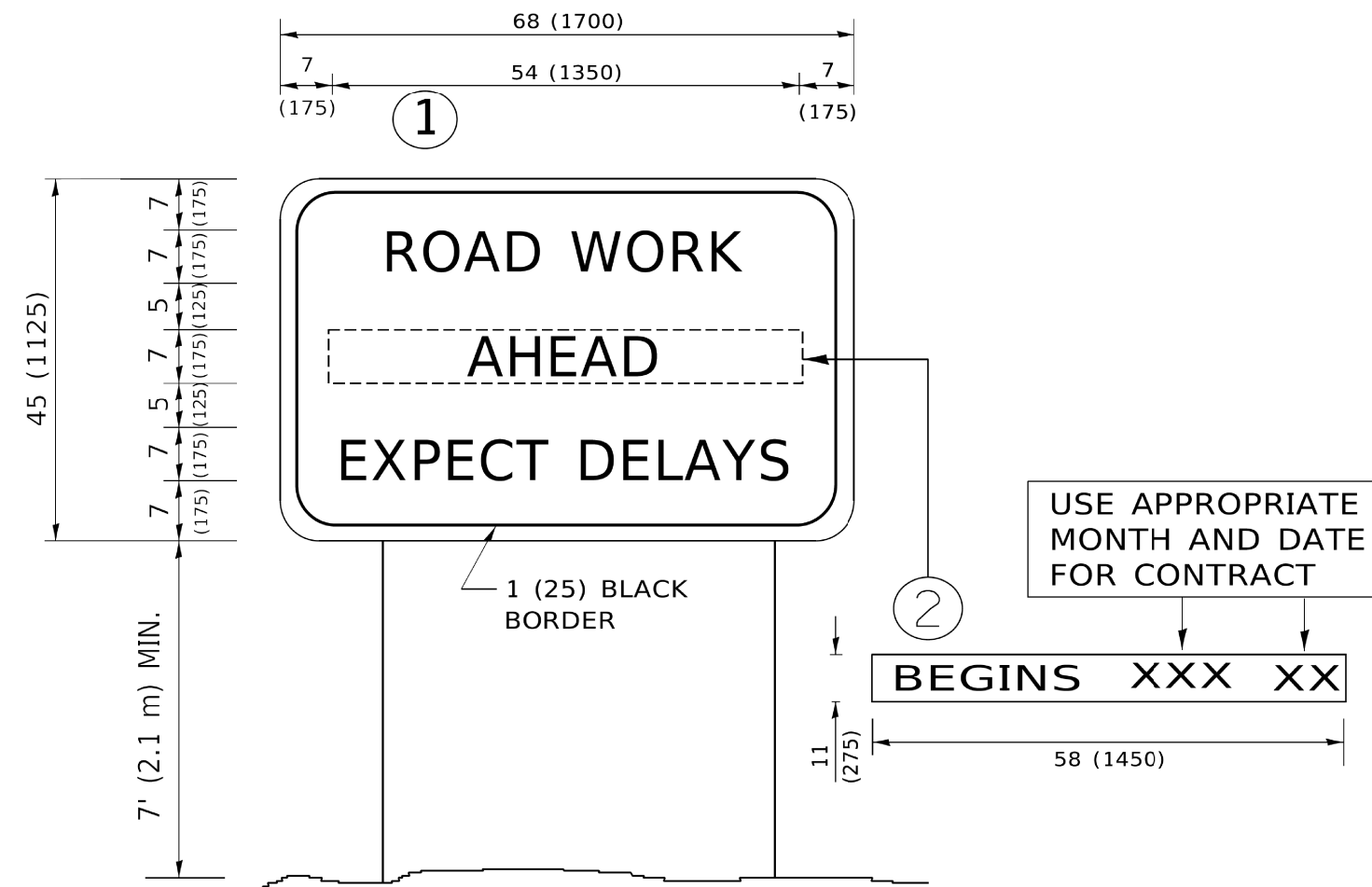
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PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	99
TC-16		CONTRACT NO. 61H55		
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.

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PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

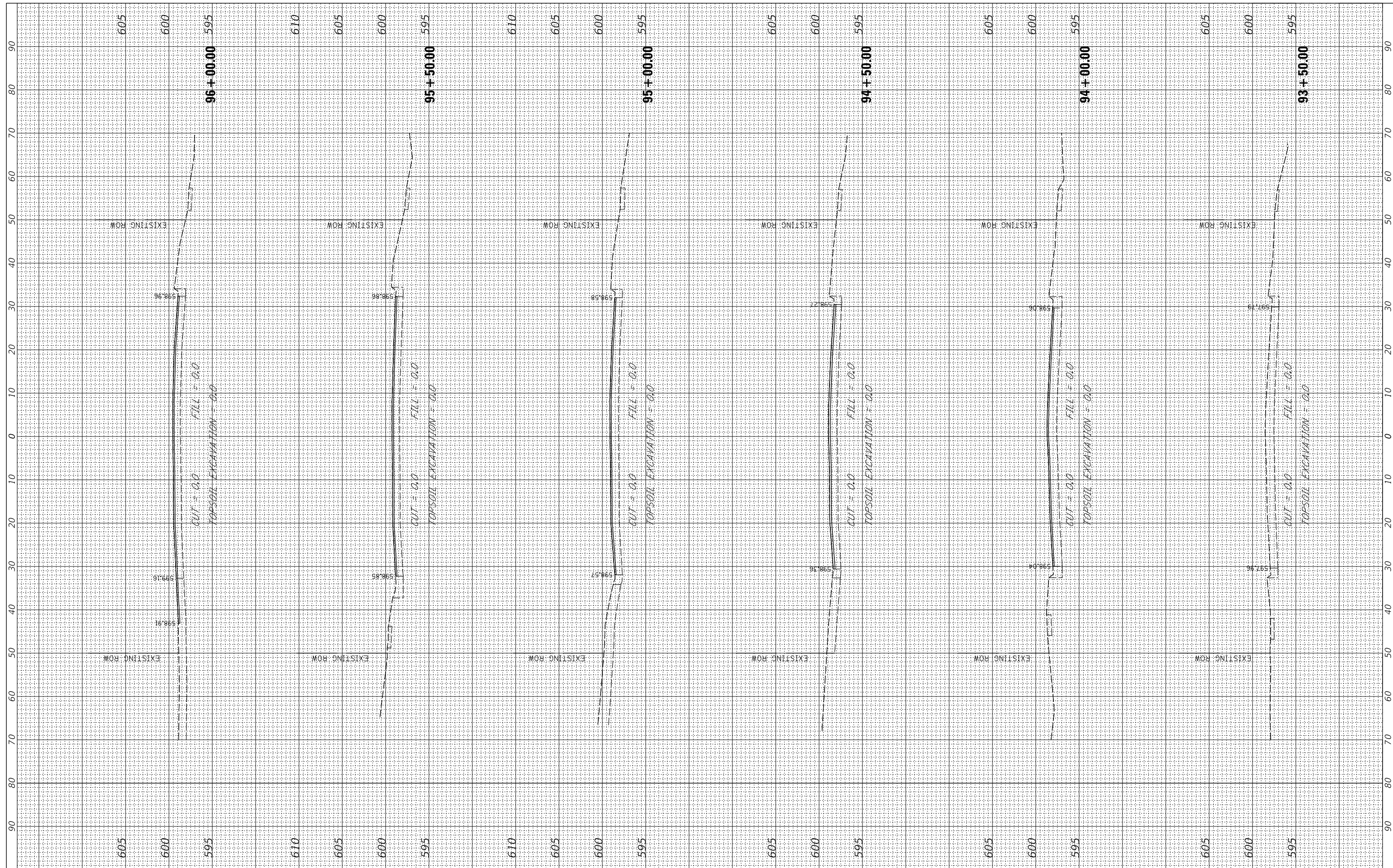
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	100
TC-22			CONTRACT NO. 61H55	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\PALOSHILLS\210057\Civil\PKS_111th_01_210057.shp
 USER NAME = aschaefer
 PLOT SCALE = 18'
 PLOT DATE = 4/3/2024

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

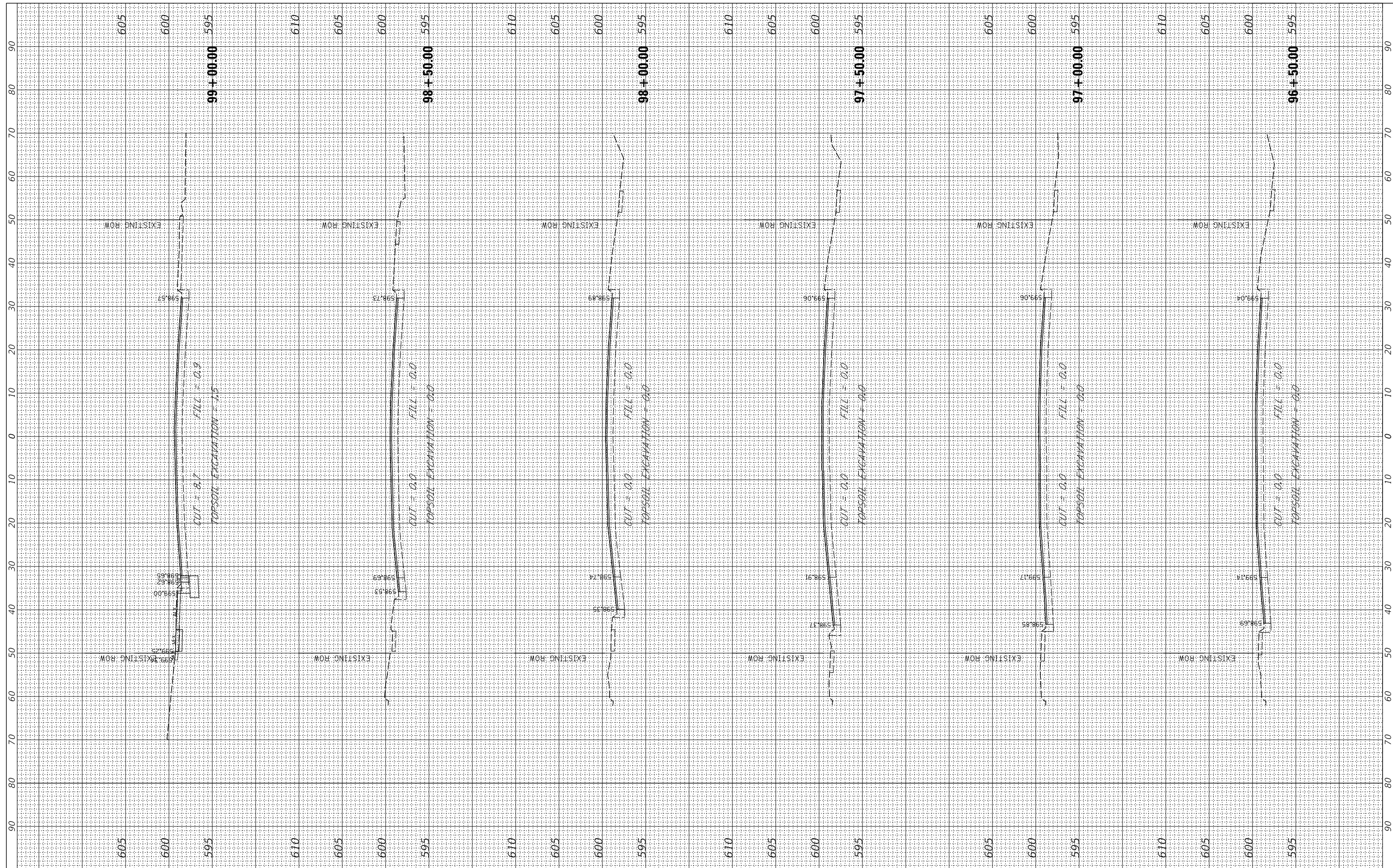
SCALE: 1:10 SHEET 1 OF 10 SHEETS STA. 93+50.00 TO STA. 96+00.00

**111TH STREET
CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	102
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\PALOSHILLS\210057\Civil\PKS_111th_01_210057.shp
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 PLOT SCALE = 18'
 PLOT DATE = 4/3/2024

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

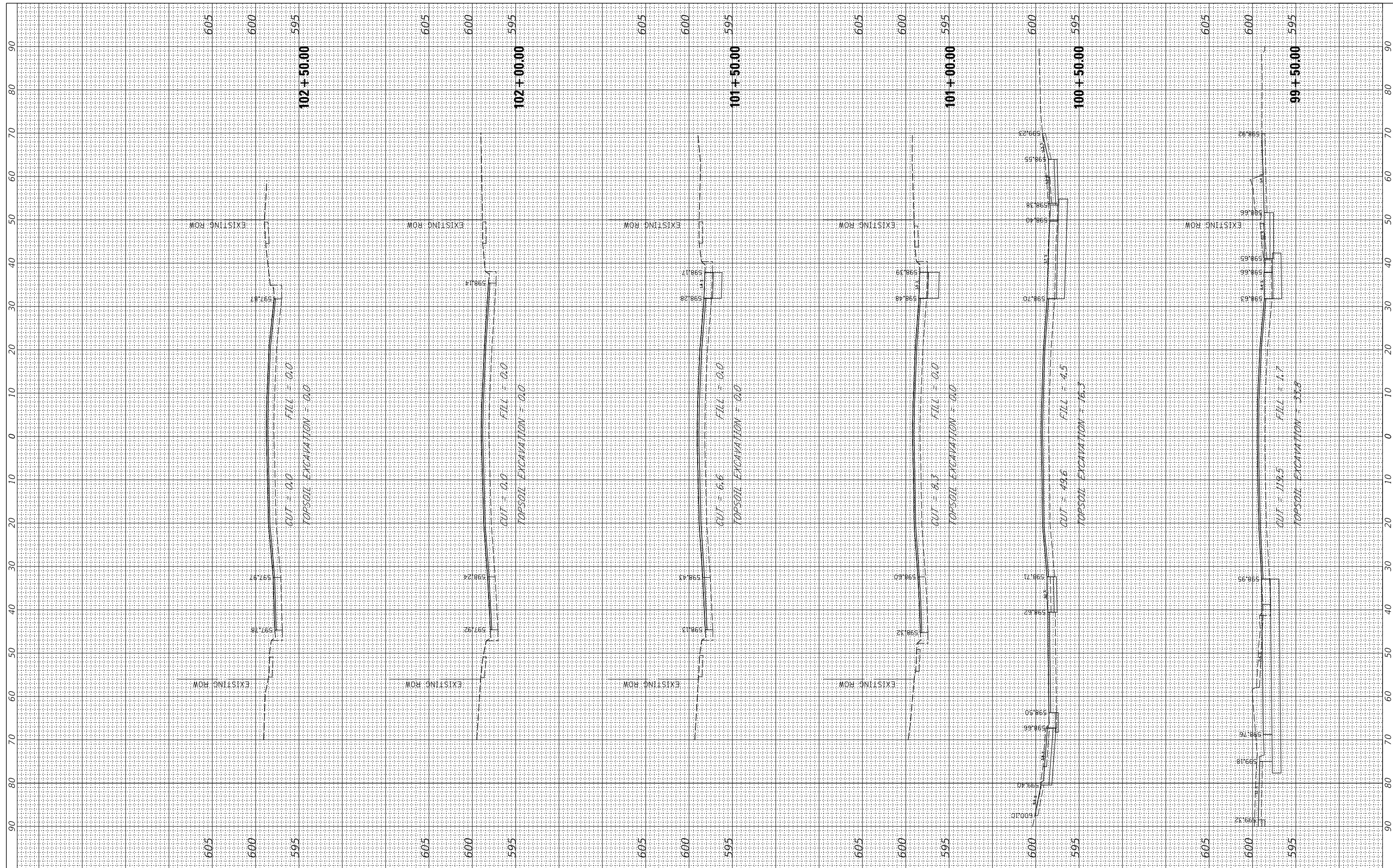
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

111TH STREET
 CROSS SECTIONS
 2
 SCALE: 1:10 SHEET 2 OF 10 SHEETS STA. 96+50.00 TO STA. 99+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	103
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\PALOSHILLS\210057\Civil\PKS_11th_01_210057.shx
 USER NAME = aschaefer
 PLOT SCALE = 18'
 PLOT DATE = 4/3/2024

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

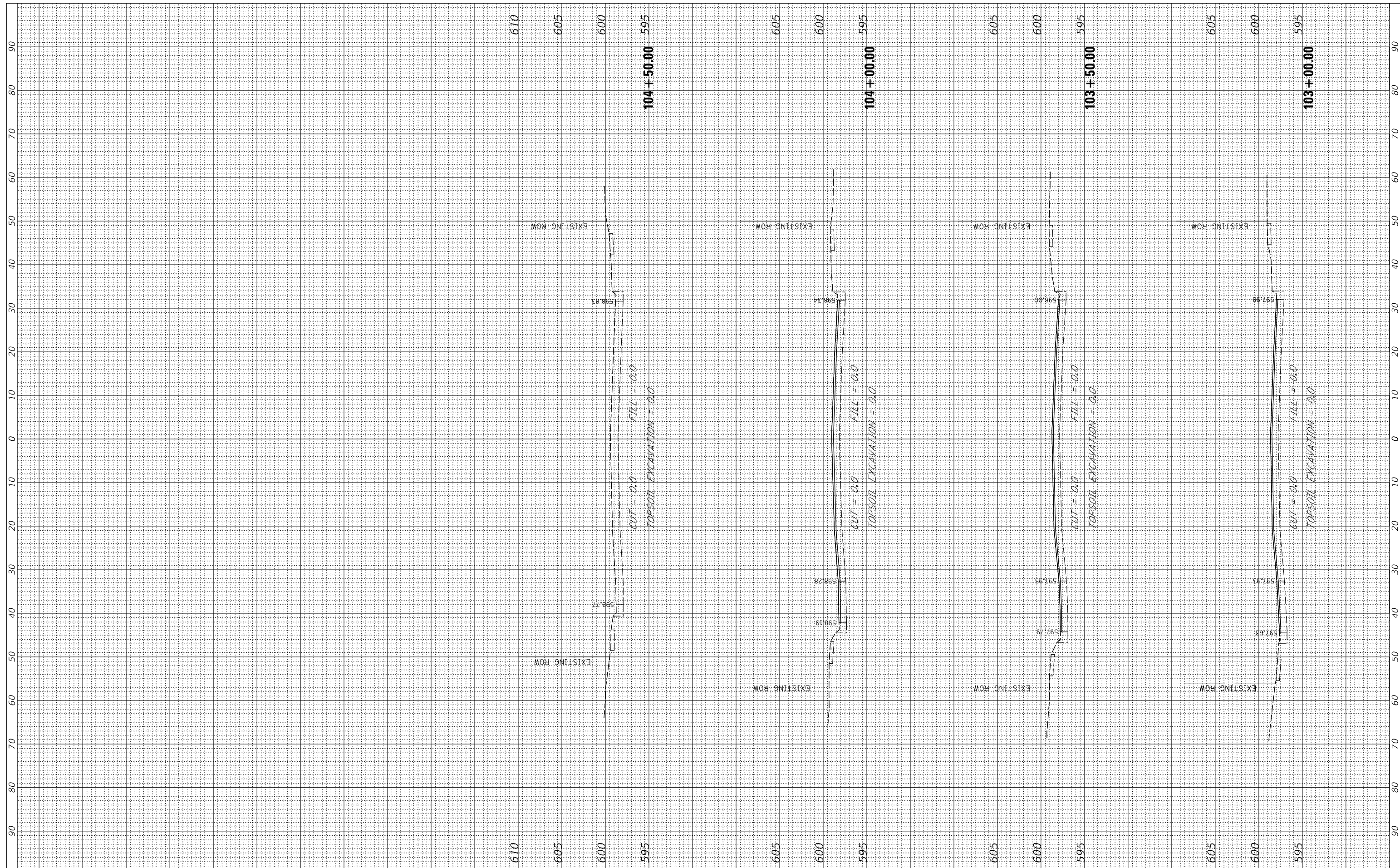
SCALE: 1:10
 SHEET 3 OF 10 SHEETS
 STA. 99+50.00 TO STA. 102+50.00

11TH STREET
CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	104
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\PALOSHILLS\210057\Civil\PKS_111th_01_210057.shp
 PLOT SCALE = 18'
 PLOT DATE = 4/3/2024

USER NAME = aschaefer
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

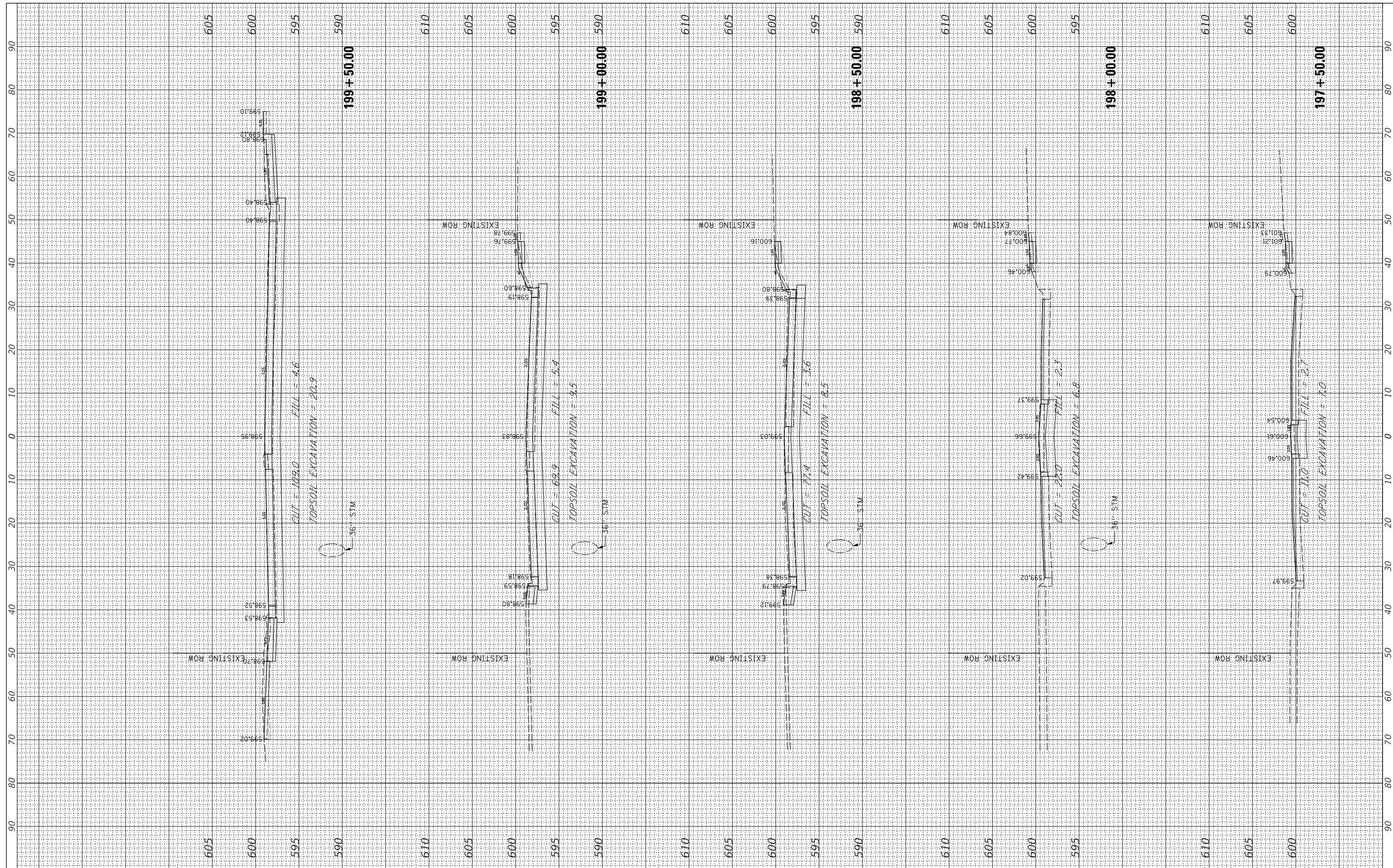
111TH STREET
 CROSS SECTIONS

SCALE: 1:10 SHEET 4 OF 10 SHEETS STA. 103+00.00 TO STA. 104+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	105
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\PALOSHILLS\210057\Civil\PKS_Roberts.02.210057.sht
 USER NAME = aschaefer
 PLOT SCALE = 18'
 PLOT DATE = 4/3/2024

DESIGNED - AJ5
 DRAWN - JRS
 CHECKED - BMW
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

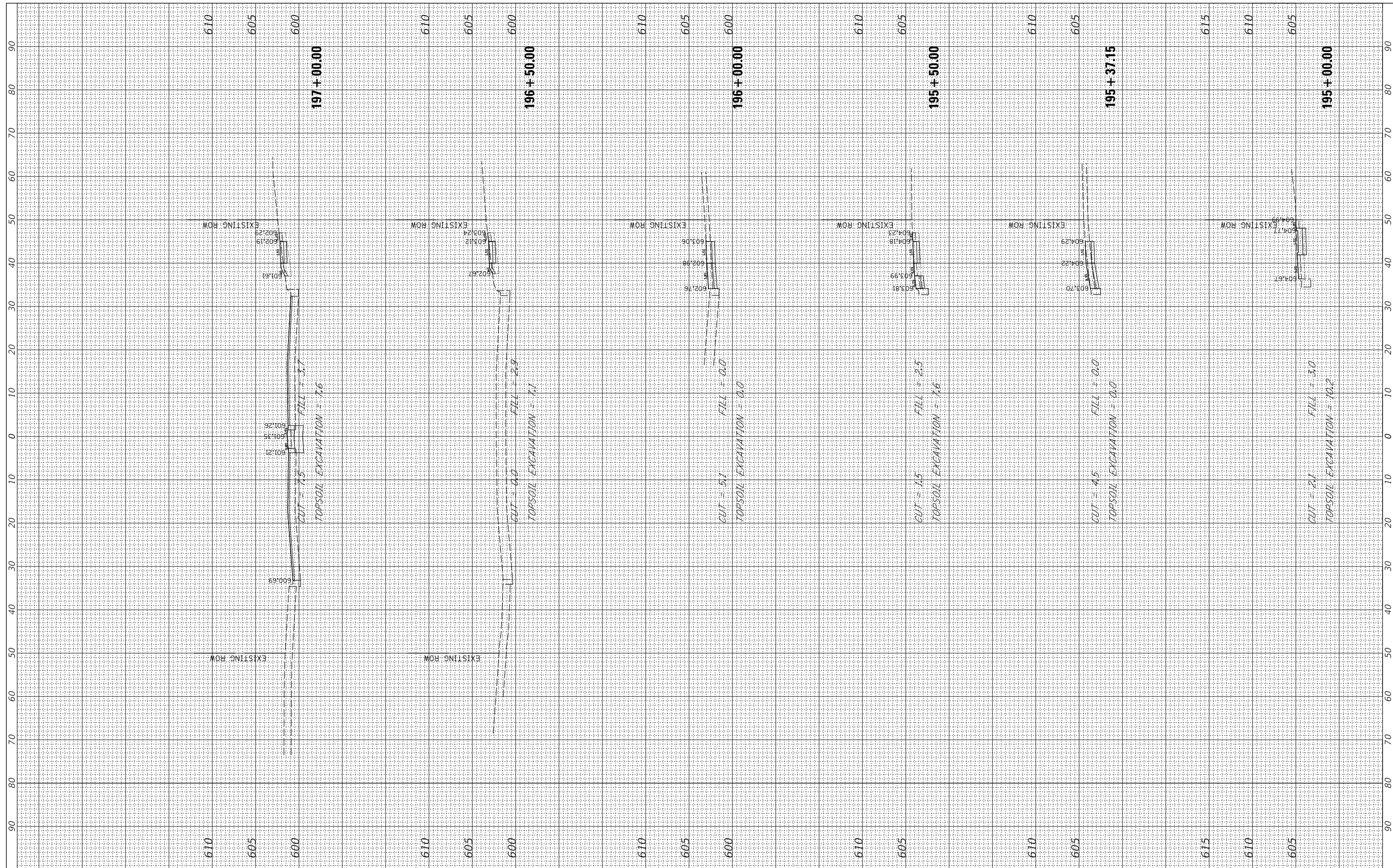
SCALE: H:10 V:5 SHEET 6 OF 10 SHEETS STA. 197+50.00 TO STA. 199+50.00

**ROBERTS ROAD
 CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	106
			CONTRACT NO. 61H55	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\PALOSHILLS\210057\Civil\PKS_Roberts.02.210057.sht
 USER NAME = aschaefer
 PLOT SCALE = 18'
 PLOT DATE = 4/3/2024

DESIGNED -	AJS	REVISED -	
DRAWN -	JRS	REVISED -	
CHECKED -	BMW	REVISED -	
DATE -		REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

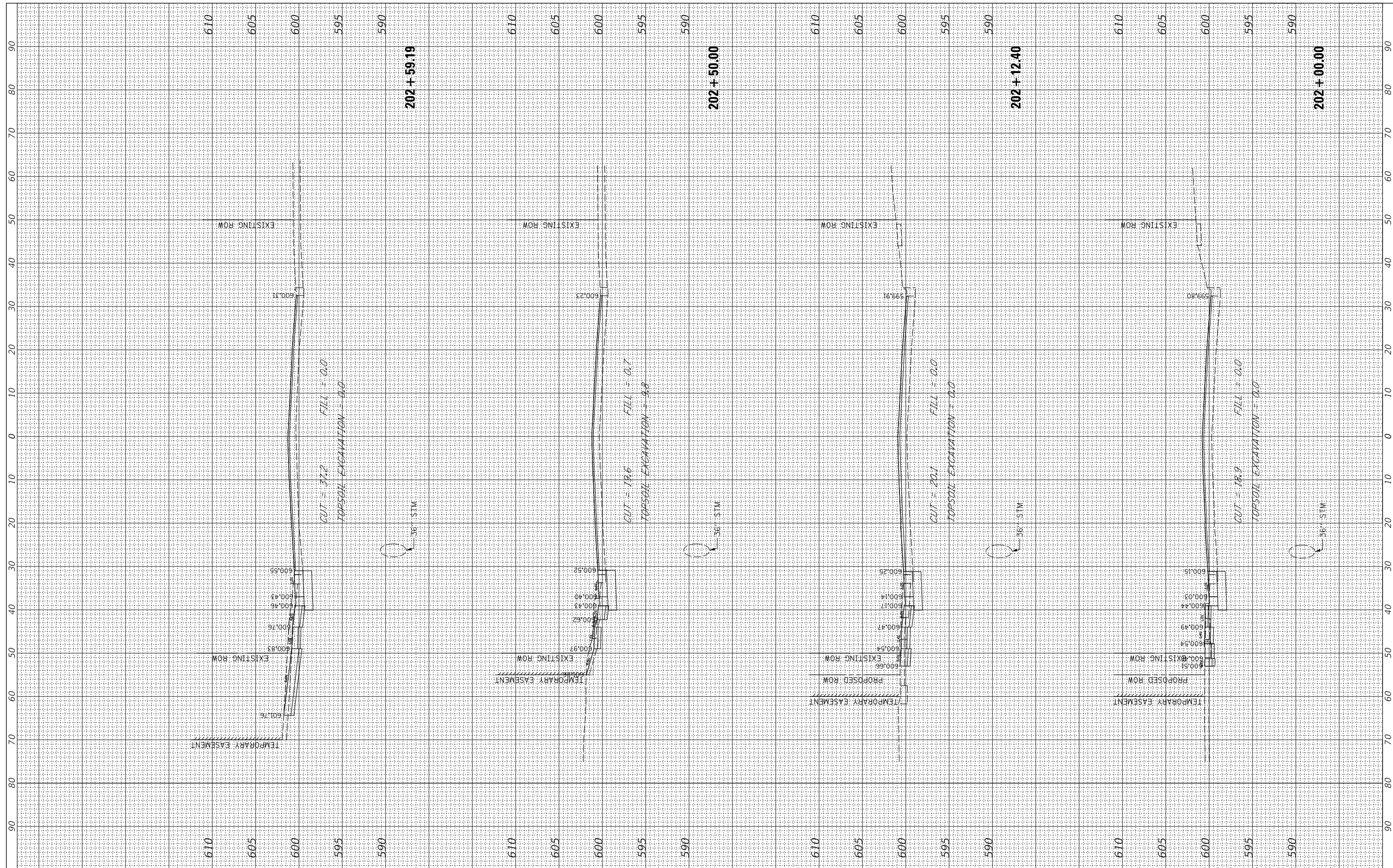
**ROBERTS ROAD
CROSS SECTIONS**

SCALE: H:10 V:5 SHEETS 5 OF 10 SHEETS STA. 195+00.00 TO STA. 197+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	107
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = N:\PALOSHILLS\210057\Civil\XPS_Roberts.02.210057.sht
 USER NAME = aschaefer
 PLOT SCALE = 18'
 PLOT DATE = 4/3/2024

DESIGNED - AJJ
 DRAWN - JRS
 CHECKED - BMW
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

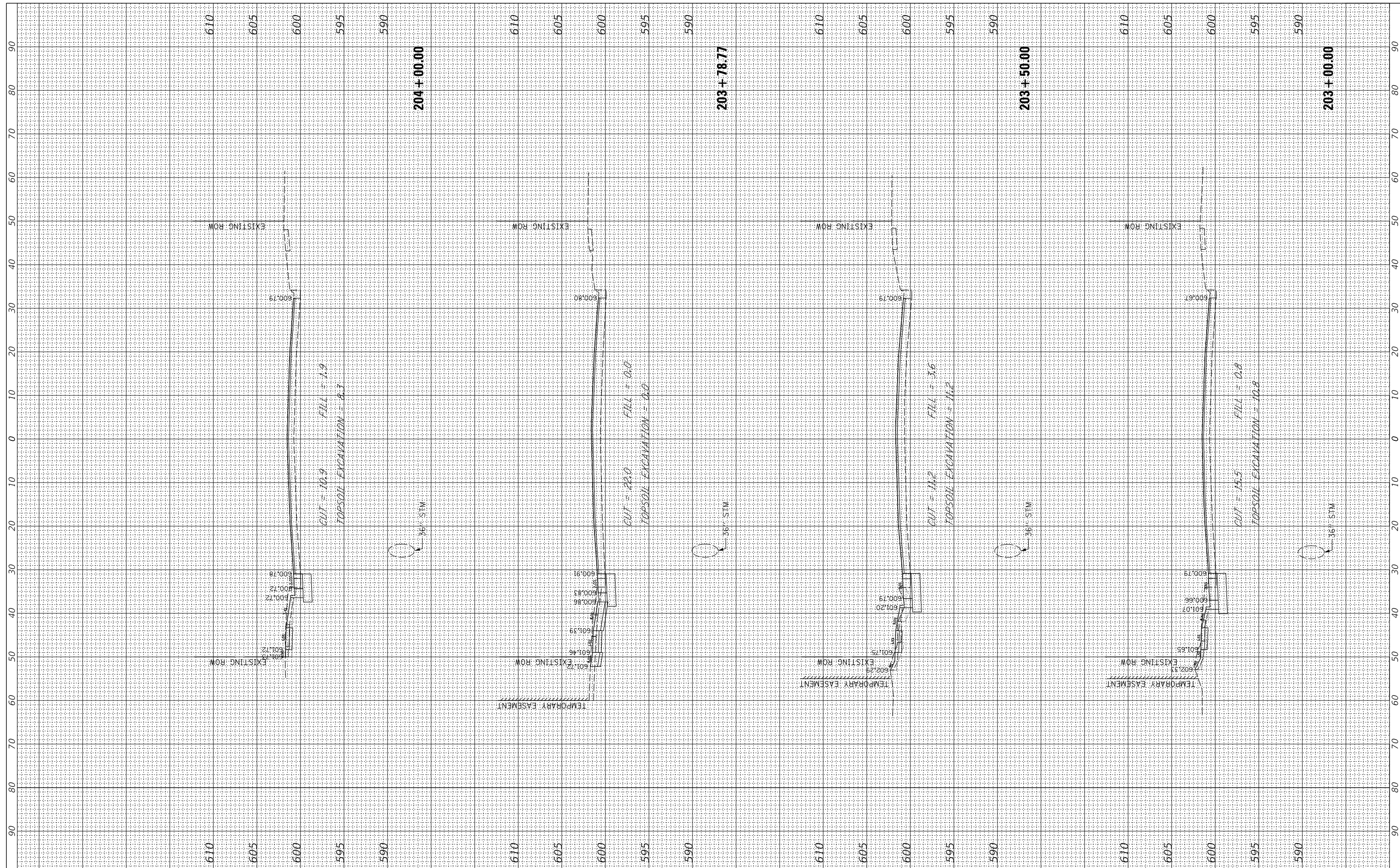
SCALE: H:10 V:5 SHEET 8 OF 10 SHEETS STA. 202+00.00 TO STA. 202+59.19

**ROBERTS ROAD
 CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	109
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\PALOSHILLS\210057\Civil\PKS_Roberts_02_210057.sht
 USER NAME = aschaefer
 PLOT SCALE = 18'
 PLOT DATE = 4/3/2024

DESIGNED - AJJ
 DRAWN - JRS
 CHECKED - BMW
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

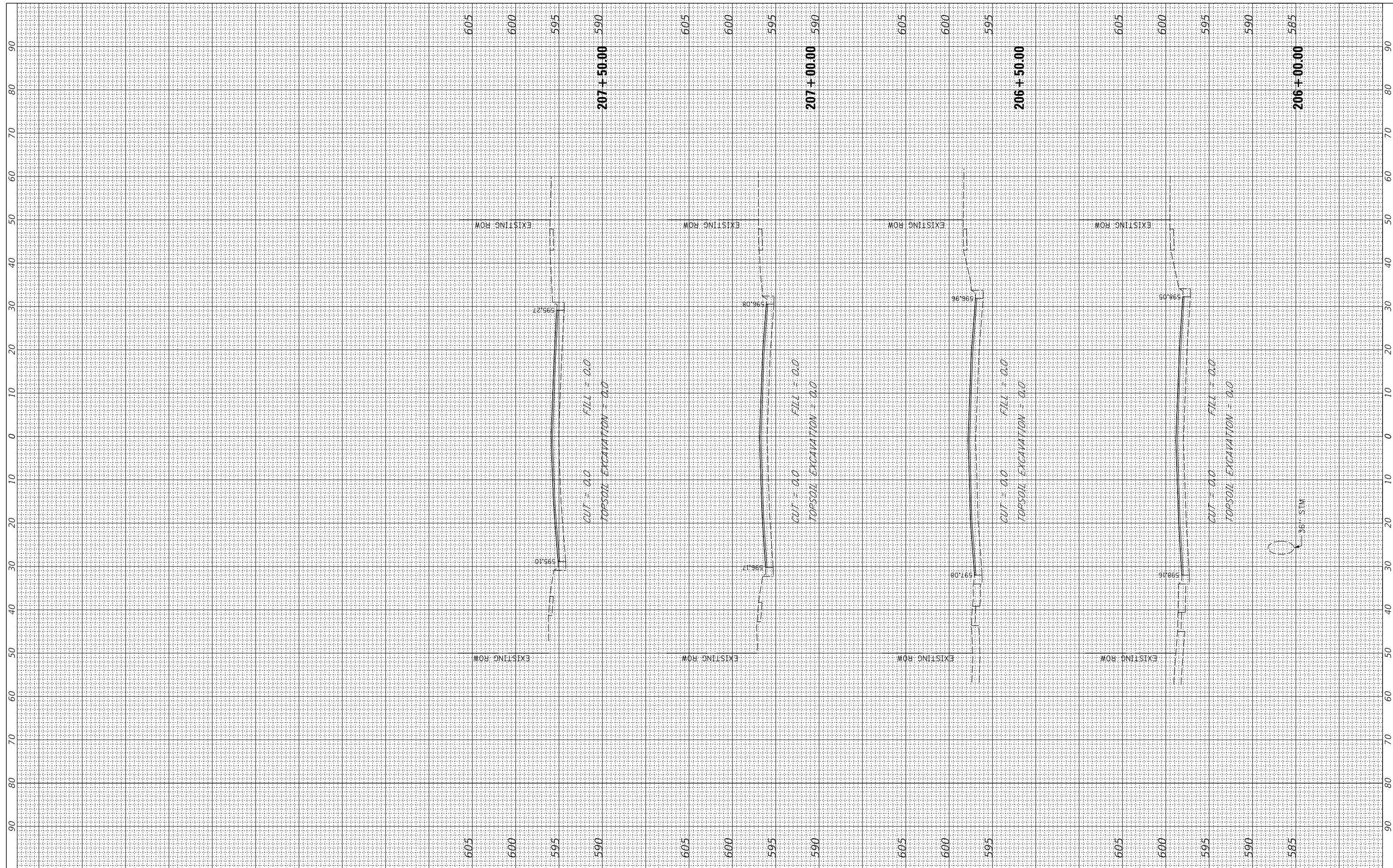
SCALE: H:10 V:5 SHEET 9 OF 10 SHEETS STA. 203+00.00 TO STA. 204+00.00

**ROBERTS ROAD
 CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	110
CONTRACT NO. 61H55				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = N:\PALOSHILLS\210057\Civil\PKS_Roberts.02.210057.sht
 USER NAME = aschaefer
 PLOT SCALE = 18'
 PLOT DATE = 4/3/2024

DESIGNED -	AJS	REVISED -
DRAWN -	JRS	REVISED -
CHECKED -	BMW	REVISED -
DATE -		REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: H:10 V:5 SHEET 11 OF 10 SHEETS STA. 206+00.00 TO STA. 207+50.00

**ROBERTS ROAD
 CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1581	17-00032-00-CH	COOK	112	112
				CONTRACT NO. 61H55
ILLINOIS FED. AID PROJECT				