

FOR INDEX OF SHEETS,
SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN:
THE VILLAGES OF CHICAGO RIDGE
AND OAK LAWN

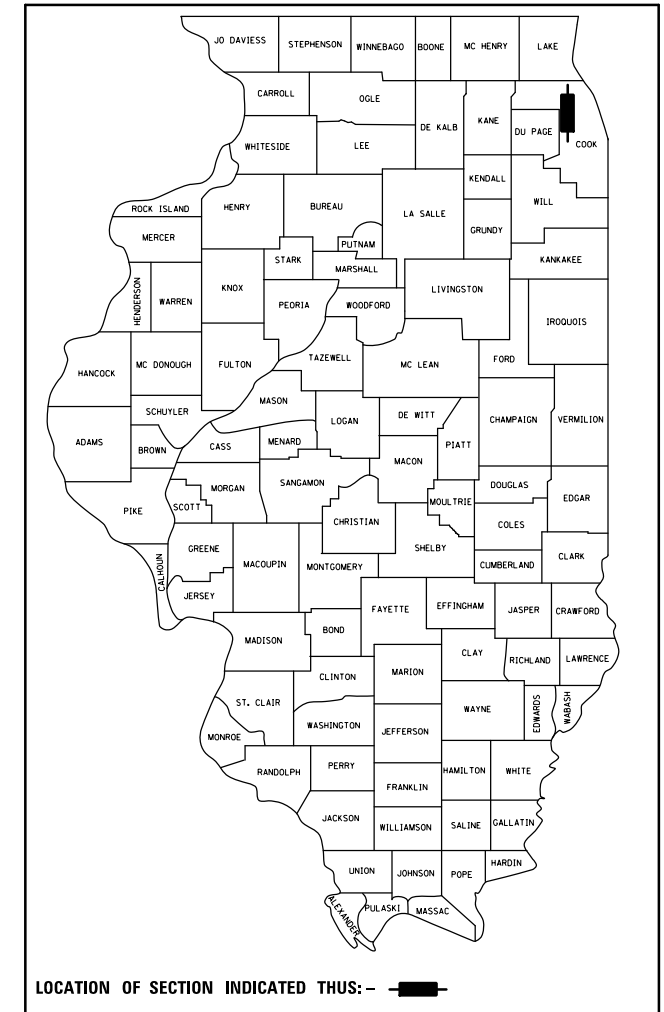
LIST OF HIGHWAY STANDARDS
SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

09-21-2018 LETTING ITEM 046

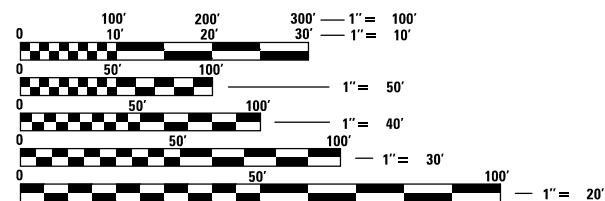
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	1
FED. ROAD DIST. NO.	ILLINOIS CONTRACT NO. 61F02			

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**
FAU ROUTE 2781 (RIDGELAND AVENUE)
AT FAU ROUTE 1642 (99TH STREET)
TRAFFIC SIGNAL INSTALLATION
SECTION: 15-00054-00-TL
PROJECT NO.: 3XHK(749)
VILLAGE OF CHICAGO RIDGE
COOK COUNTY
JOB NO.: C-91-197-16



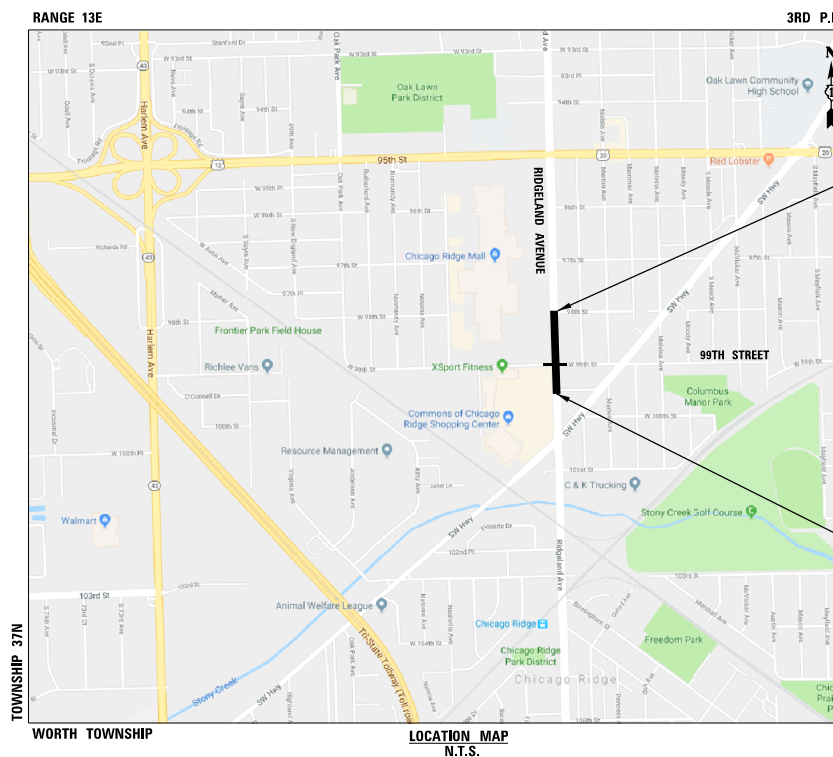
TRAFFIC DATA

ROUTE SEGMENT	SPEED (MPH)	ADT (2011)	CLASSIFICATION
RIDGELAND AVENUE	35	20,800	URBAN 5 LANE CROSS-SECTION, MINOR ARTERIAL
99TH STREET	25	2,600	URBAN CROSS-SECTION, MINOR COLLECTOR



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

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



PROJECT ENDS
STA 112+00

PROJECT BEGINS
STA 100+85

NET LENGTH = 1,320 FEET (0.25 MILES)
GROSS LENGTH = 1,320 FEET (0.25 MILES)

SHEETS: 34-37

SHEETS: 2-13, 40

SHEETS: 1-7, 14-31, 38-39

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E., (847) 705-4406, SCHAUMBURG, IL

CONTRACT NO. 61F02

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



JUNE 21, 2018
Anthony J. DeRicco
ANTHONY J. DERICCO
ILLINOIS REGISTRATION No. 062-057484
EXPIRATION DATE: 11/30/19



JUNE 21, 2018
Bryan L. Luke
BRYAN L. LUKE
ILLINOIS REGISTRATION No. 062-054957
EXPIRATION DATE: 11/30/19



JUNE 21, 2018
George M. Ziegler
GEORGE M. ZIEGLER
ILLINOIS REGISTRATION No. 062-045853
EXPIRATION DATE: 11/30/19

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- TYPICAL PAVEMENT MARKINGS (TC-13)
- ARTERIAL ROAD INFORMATION SIGN (TC-22)

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2018; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JUNE 2014 SEVENTH EDITION; "AMERICAN STANDARDS FOR NURSERY STOCK, 2004 EDITION"; THE "ILLINOIS URBAN MANUAL" AND THE "ILLINOIS URBAN MANUAL FIELD MANUAL FOR INSPECTION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES"; THE IDOT GEOTECHNICAL MANUAL (DECEMBER 15, 2015); THE DETAILS IN THE PLANS; THE AMERICANS WITH DISABILITIES ACT OF 1990 ACCESSIBILITY GUIDELINES; THE "DRAFT" REHABILITATION ACT OF 1973 (SECTION 504); THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES; AND THE SPECIAL PROVISIONS, AND IDOT STANDARD DRAWINGS, INCLUDED IN THE CONTRACT DOCUMENTS.
- 2. IN THE GENERAL NOTES, ALL REFERENCES TO ENGINEER SHALL BE INTERPRETED AS THE RESIDENT ENGINEER, AND ALL REFERENCES TO VILLAGE AND TO OWNER SHALL BE INTERPRETED AS THE COUNTY OF COOK (RIDGELAND AVENUE), VILLAGE OF CHICAGO RIDGE (99TH STREET-WEST OF RIDGELAND AVENUE), AND VILLAGE OF OAK LAWN (99TH STREET-EAST OF RIDGELAND AVENUE).
- 3. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- 5. WHEN REMOVING CURB AND GUTTER, PAVEMENT OR ANY OTHER STRUCTURE, THE CONTRACTOR SHALL TAKE EVERY PRECAUTION NECESSARY TO AVOID DAMAGE TO UNDERGROUND PUBLIC OR PRIVATE UTILITIES. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL CONCRETE BREAKER BE ALLOWED.
- 6. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE PROJECT LIMITS. ALL EXCESS OR WASTE MATERIAL SHALL BE EITHER HAULED AWAY FROM THE PROJECT SITE BY THE CONTRACTOR AND DEPOSITED AT LOCATIONS PROVIDED BY HIM/HER, OR DISPOSED OF WITHIN THE RIGHT-OF-WAY IN A MANNER OTHER THAN BURNING, SUBJECT TO THE APPROVAL OF THE ENGINEER.

PAVING, CURB & GUTTER AND SIDEWALK

- 1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE THICKNESS OF THE EXISTING PAVEMENT AND WHETHER OR NOT IT CONTAINS REINFORCEMENT.
- 2. ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATION FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER, MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
- 3. THE MAXIMUM CROSS SLOPE AT ANY POINT IN THE TRAVERSABLE AREA OF THE SIDEWALK, INCLUDING THE AREAS THROUGH DRIVEWAYS, SHALL BE 2.00%. ALL AREAS OF NEW SIDEWALK THAT EXCEED THIS MAXIMUM WILL BE REMOVED AND REPLACED.
- 4. AGGREGATE SUBGRADE IMPROVEMENT 12" TO EXTEND 12" BEHIND PROPOSED CC&G.
- 5. ANY SPALLING THAT OCCURS TO EXISTING PCC PAVEMENT THAT IS EQUAL TO OR GREATER THAN ¼ INCH SHALL BE PATCHED AT ONE FULL LANE WIDTH, WITH SAW CUTTING PERPENDICULAR TO THE DIRECTION OF TRAFFIC.

TREE REMOVAL, CLEARING AND HEDGE REMOVAL

- 1. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE TO THE VILLAGES. ALL TREE PROTECTION, TREE REMOVAL, TREE PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- 2. TEMPORARY FENCE SHALL BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WHEN DIRECTED BY THE ENGINEER. AFTER TREES ARE SAFELY FENCE NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

UTILITIES

- 1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY.
- 2. COORDINATION OF ANY UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.
- 3. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
- 4. ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
- 5. THE CONTRACTOR SHALL MAKE NOTE OF ANY PRIVATE SPRINKLERS WITHIN THE DISTURBED FOOTPRINT, AND SHALL PROVIDE SPRINKLER LOCATIONS TO THE ENGINEER PRIOR TO GROUND DISTURBANCE.
- 6. WATER VALVES SHALL BE OPERATED ONLY BY OWNER'S REPRESENTATIVES/PERSONNEL.

STORM SEWER

- 1. TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED.
- 2. DRAINAGE STRUCTURE FLAT-TOPS AND CONES SHALL BE TURNED SO THAT THE FRAMES ARE CLOSEST TO THE CENTERLINE OF THE LANE. ALL FLAT-TOPS AND CONES ARE ASSUMED TO BE ECCENTRIC.
- 3. ALL SEWER AND WATER SERVICES CROSSED BY NEW STORM SEWERS SHALL BE PROPERLY LOCATED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO SAID SERVICES NOT CONSIDERED TO BE IN CONFLICT WITH THE PROPOSED STORM SEWER SHALL BE REPAIRED BY THE CONTRACTOR.
- 4. ONLY METHOD 1 OR METHOD 2 UNDER ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS SHALL BE ALLOWED FOR THE PLACEMENT OF TRENCH BACKFILL. AGGREGATE SHALL BE FA-6.

LANDSCAPING

- 1. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SEEDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER.
- 2. THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE.

STAKING

- 1. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE VILLAGE, ITS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- 2. ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 3. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE.
- 4. PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE INDICATED.
- 5. ESTIMATED LOCATIONS OF SIDEWALK REMOVAL AND REPLACEMENT HAVE BEEN SHOWN ON THE PLANS. THE ENGINEER WILL DETERMINE THE EXACT LIMITS IN THE FIELD DURING CONSTRUCTION.
- 6. THE CONSTRUCTION BASELINE HAS BEEN ESTABLISHED FOR STAKING PURPOSES ONLY AND IS NOT INTENDED TO BE A CENTERLINE OF RIGHT-OF-WAY.

EROSION CONTROL

- 1. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL" AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.
- 2. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- 3. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
- 4. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
- 5. ALL SLOPES SHALL BE COVERED WITH SEED AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED. THE LIMITS OF THE SEED SHALL BE THE LIMITS OF GRADING.
- 6. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN THE CURB AND GUTTER AND SHOULDERS. INLET AND PIPE PROTECTION SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN LANDSCAPED AREAS.
- 7. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.
- 8. SEE STANDARD 280001-07 FOR ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL DETAILS AND REQUIREMENTS.
- 9. THE SURFACE OF ALL STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN 14 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION WITH THE USE OF TEMPORARY EROSION CONTROL SEEDING. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.

DATE	BY	SURVEYED	ALIGNED	CHECKED
DATE	BY	PROFILE	GRADES	CHECKED
DATE	BY	PLAN	NOTE BOOK	CHECKED

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FILE NAME =	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES (SHEET 1 OF 2) RIDGELAND AVENUE AND 99TH STREET			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\CHICAGO RIDGE\900061.T0098\Tr of Fic\02	GEN-01.T0098.dgn	DRAWN - FPB	REVISED -		2781	15-00054-00-TL	COOK	40	2			
	PLOT SCALE = 2"	CHECKED - GMZ	REVISED -		CONTRACT NO. 61F02							
	PLOT DATE = 7/19/2018	DATE -	REVISED -		SCALE: 1" = 2'	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	BLM. NOTED	
	STRUCTURE NOTATIONS OK'D	
PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNMENT CHECKED	BY
NO.	RT. OF WAY CHECKED	
	ADD. FILE NAME	

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MISCELLANEOUS

1. UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL CONTACT THE ENGINEER A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
3. LAYOUT/CONTROL INFORMATION WILL BE PROVIDED BY ENGINEER.

COORDINATION WITH ADJACENT CONTRACTS AND UTILITY WORK

1. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES, INCLUDING MAINTENANCE OF TRAFFIC AND MATERIAL DELIVERIES/HAUL-OFF UTILITY RELOCATIONS BY VARIOUS UTILITY COMPANIES AND OTHER CONTRACTORS WORKING IN ABUTTING PROPERTIES.

MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE HIS/HER TRAFFIC CONTROL PLAN PER STAGE, BASED ON CONTRACTOR'S MEANS/METHODS OF CONSTRUCTION, STAGING, AND SCHEDULE. THIS PLAN WILL BE REVIEWED BY THE ENGINEER PRIOR TO CONTRACTOR PLACING TRAFFIC CONTROL DEVICES.
2. TRAFFIC CONTROL WILL BE AS SPECIFIED IN THE DETAILED SPECIFICATION FOR TRAFFIC CONTROL AND PROTECTION, PER THE PLANS, PER APPLICABLE IDOT STANDARD DETAILS, PER THE MUTCD, AND AS DIRECTED BY THE ENGINEER.
3. EACH CORNER AND THE ADJOINING EXISTING PAVEMENT IN FRONT THERE OF SHALL REMAIN IN-PLACE / OPEN TO TRAFFIC EXCEPT DURING RECONSTRUCTION AND SHALL BE CLOSED ONE TIME ONLY. NO MORE THAN ONE CORNER SHALL BE CLOSED AT ANY TIME.
4. PAVEMENT SHALL BE REMOVED TO LIMITS SHOWN FOR PROPOSED TRAFFIC SIGNAL/SEWER/CURB REMOVAL/INSTALLATION. WORK ZONE SHALL BE MINIMIZED TO PROVIDE ADDITIONAL SPACE FOR RIGHT TURNING VEHICLES. DURATION OF EACH CORNER CLOSURE WILL NOT EXCEED 14 CONSECUTIVE CALENDAR DAYS.
5. ONLY AFTER THE CONTRACTOR REOPENS A CORNER WILL THE NEXT CORNER BE PERMITTED TO BE CLOSED, UNLESS APPROVED BY THE ENGINEER. THIS WORK SHALL CONTINUE IN THE DIRECTION SPECIFIED FOR THAT STAGE OF CONSTRUCTION AS DESCRIBED HEREIN. IN AREAS WHERE THERE IS NO WORK ACTIVITY AS DESCRIBED ABOVE, THE CONTRACTOR SHALL REMOVE THE BARRICADES AND SHALL MAINTAIN TRAFFIC CONTROL AND EROSION CONTROL. THE ENGINEER WILL DETERMINE WHEN A STAGE MAY BE REOPENED.
6. ALL PEDESTRIAN PATHS WITHIN THE CONSTRUCTION FOOTPRINT SHALL HAVE ADA COMPLIANT DETECTABLE BARRICADES.
7. CONTRACTOR SHALL MAINTAIN ONE CROSSWALK ACROSS EACH STREET OF EACH INTERSECTION AT ALL TIMES.
8. CONTRACTOR SHALL NOT STOCKPILE/STAGE MATERIALS OR EQUIPMENT WITHIN THE PEDESTRIAN CORRIDORS, VEHICULAR CORRIDORS, OR WITHIN 15 FEET OF THE VEHICULAR CORRIDOR. MATERIALS AND EQUIPMENT SHALL NOT BE STORED WITHIN 15 FEET OF THE EDGE OF PAVEMENT UNLESS PROTECTED BY A NATURAL OR MANMADE BARRIER IN ACCORDANCE WITH ARTICLE 701.11 OF THE STANDARD SPECIFICATIONS.
9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER TEN (10) DAYS PRIOR TO THE ESTIMATED DATE THAT THE ROADWAY WILL BE READY FOR THE APPLICATION OF PERMANENT PAVEMENT MARKING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE ROADWAY CLEANED OF ANY DIRT, GRAVEL, OIL, ETC. ON THE DAY PAVEMENT MARKINGS ARE APPLIED.
10. A TEMPORARY PATCH SHALL BE PLACED OVER THE TOP OF STORM SEWER OR TRAFFIC SIGNAL TRENCHES AT THE END OF EACH DAY IN ACCORDANCE WITH THE TEMPORARY PATCH DETAIL.

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N:\CHICAGO\RDG\900061.T0098\Traffic\02	GEN-02.T0098.dgn	DRAWN - FPB	REVISED -			2781	15-00054-00-TL	COOK	40	3
	PLOT SCALE = 2'	CHECKED - GMZ	REVISED -			CONTRACT NO. 61F02				
	PLOT DATE = 7/19/2018	DATE -	REVISED -			SCALE: 1" = 2'	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: STU FUNDS (80% FEDERAL/20% LOCAL)			
				ROADWAY AND CURB RAMPS	TRAFFIC SIGNAL	LIGHTING	INTERCONNECT
20101000	TEMPORARY FENCE	FOOT	60	0004	0021	0021	0021
20101200	TREE ROOT PRUNING	EACH	4				
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	2				
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	2				
20200100	EARTH EXCAVATION	CU YD	208				
20800150	TRENCH BACKFILL	CU YD	60				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	231				
25200110	SODDING, SALT TOLERANT	SQ YD	231	231.0			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	16.2	16.2			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	16.2	16.2			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	16.2	16.2			
25200200	SUPPLEMENTAL WATERING	UNIT	1	1			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	10	10			
28000510	INLET FILTERS	EACH	8	8			
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	534	534			
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	199	199			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1791	1791			
42400800	DETECTABLE WARNINGS	SQ FT	87	87			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	231	231			
44000600	SIDEWALK REMOVAL	SQ FT	1565	1565			
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	45	45			
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	45	45			
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	438	438			
44201294	CLASS B PATCH - EXPANSION JOINT	FOOT	71	71			
44201296	DEFORMED BARS - EXPANSION JOINT	EACH	71	71			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	26	26			
55100500	STORM SEWER REMOVAL 12"	FOOT	40	40			
58700300	CONCRETE SEALER	SQ FT	1000	1000			
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2			
60250200	CATCH BASINS TO BE ADJUSTED	EACH	3	3			
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1			
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2	2			

PROFILE REVISIONS GRADES CHECKED PLOTTED STRUCTURE NOTATIONS UPD NO. _____ DATE _____ BY _____	PLAN NOTE BOOK NO. _____ CHECKED ALIGNED CHECKED FILE NAME NO. _____ DATE _____ BY _____
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CHRISTOPHER B. BURKE
 ENGINEERING LTD.
 1000 S. Main St.
 Rosemont, Illinois 60018
 (847) 823-0500

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				ROADWAY AND CURB RAMP	TRAFFIC SIGNAL	LIGHTING	INTERCONNECT
				STU FUNDS (80% FEDERAL/20% LOCAL)			
				0004	6021	0021	0021
60500050	REMOVING CATCH BASINS	EACH	2	2			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	245	245			
67100100	MOBILIZATION	L SUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	100		100		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	40		40		
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	6		6		
73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	6		6		
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	72.8		72.8		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3820		3820		
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	340		340		
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	716		716		
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	103		103		
* 80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1		1		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	326		326		
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	135		135		
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	400		400		
* 81400100	HANDHOLE	EACH	3		3		
* 81400200	HEAVY-DUTY HANDHOLE	EACH	2		2		
* 81400300	DOUBLE HANDHOLE	EACH	2		2		
* 81702417	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GROUND	FOOT	670			670	
* 81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	490			490	
* 84200500	REMOVAL OF LIGHTING UNIT SALVAGE	EACH	1			1	

PROFILE SURVEYED _____ GRADES CHECKED _____ STAKE PLACES NOTATIONS CHECKED _____ NOTE BOOK NO. _____ DATE _____	PLAN SURVEYED _____ ALIGNMENT CHECKED _____ RT. OF WAY CHECKED _____ STAKE PLACES NOTATIONS CHECKED _____ NOTE BOOK NO. _____ DATE _____
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CHRISTOPHER B. BURKE
 ENGINEERING LTD.
 5575 West Higgins Road, Suite 600
 Chicago, Illinois 60631
 (847) 825-0500



SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE STU FUNDS (80% FEDERAL/20% LOCAL)			
				ROADWAY AND CURB RAMPS 0004	TRAFFIC SIGNAL 0021	LIGHTING 0031	INTERCONNECT 0031
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	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	1644				1644
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1235		1235		
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1612		1612		
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2487		2487		
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	718		718		
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1114		1114		
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	187		187		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	969		969		
* 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1		1		
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3		3		
* 87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1		1		
* 87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1		1		
* 87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1		1		
* 87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1		1		
* 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	46		46		
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8		8		
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6		6		
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		2		
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2		2		
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8		
* 88200100	TRAFFIC SIGNAL BACKPLATE	EACH	10		10		
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	4		4		
* 88600100	DETECTOR LOOP, TYPE I	FOOT	273		273		

PROFILE SURVEYED _____ GRADES CHECKED _____ STRUCTURE NOTATIONS CHECKED _____ NOTE BOOK NO. _____ DATE _____	PLAN SURVEYED _____ ALIGNMENT CHECKED _____ RT. OF WAY CHECKED _____ PLOTTING FILE NAME _____ NOTE BOOK NO. _____ DATE _____
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CHRISTOPHER B. BURKE
 ENGINEERING LTD.
 9275 West Higgins Road, Suite 600
 Chicago, IL 60631
 (847) 823-9500

SUMMARY OF QUANTITIES

PROFILE STRIPPED PLOTTED GRADUS CHECKED STRUCTURE NOTATIONS CHECKED NOTE BOOK NO. _____	DATE _____ BY _____
PLAN NOTE BOOK NO. _____ CHECKED ALIGNED CHECKED FILE NAME _____	DATE _____ BY _____

CHRISTOPHER B. BURKE
 ENGINEERING LTD.
 8575 MacArthur Blvd., Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
				STU FUNDS (80% FEDERAL/20% LOCAL)			
				ROADWAY AND CURB RAMPS	TRAFFIC SIGNAL	LIGHTING	INTERCONNECT
* 88700200	LIGHT DETECTOR	EACH	2	0004	0021	0021	0021
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1		
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	8		8		
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3946			2680	1266
* 89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	2		2		
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	306		306		
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	500				500
* X0325938	TEMPORARY WIRELESS INTERCONNECT, COMPLETE	L SUM	1				1
* X0326885	VIDEO DETECTION SYSTEM	EACH	1		1		
* X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4		4		
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	570		570		
* X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1		1		
* X1400149	LUMINAIRE, LED, HORIZONTAL MOUNT, TYPE C	EACH	4			4	
X7010238	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL MO	4	4			
* X8100105	CONDUIT SPLICE	EACH	1			1	
* X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1			1	
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1		
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1715				1715
* X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	2		2		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	102.8		102.8		
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4			4	
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4			4	
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1				1
** Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	16	16			
* XX008608	CABLE, SPECIAL	FOOT	732		732		
*** Z0076600	TRAINEES	HOUR	500				
*** Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500				

* Speciality Items
 ** Nominal Quantity to be used as Directed by the Engineer
 *** Construction Type Code: 0042

FILE NAME =	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES (SHEET 2 OF 4) RIDGELAND AVENUE AND 99TH STREET	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\CHICAGO\RDG\920061.T009B\Traffic03	SUM-04.T009B.dgn	DRAWN - FPB	REVISED -			2781	15-00054-00-TL	COOK	40	7	
	PLOT SCALE = 2"	CHECKED - GMZ	REVISED -			CONTRACT NO. 61F02					
	PLOT DATE = 7/23/2018	DATE -	REVISED -			SCALE: 1" = 2'		SHEET NO. OF SHEETS		STA. TO STA.	

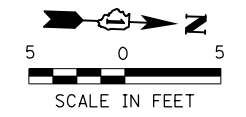
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

NOTES.
 THE CONTRACTOR SHALL SAW CUT PAVEMENT, CURB & GUTTER, MEDIAN, SHOULDER, BIKE PATH, AND SIDEWALK AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
 THE CONTRACTOR SHALL BE REQUIRED TO SAW VERTICAL CUTS SO AS TO FORM CLEAN VERTICAL JOINTS. SHOULD THE CONTRACTOR DEFACE ANY EDGE, A NEW SAWED JOINT SHALL BE PROVIDED AND ANY ADDITIONAL WORK, INCLUDING REMOVAL AND REPLACEMENT, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

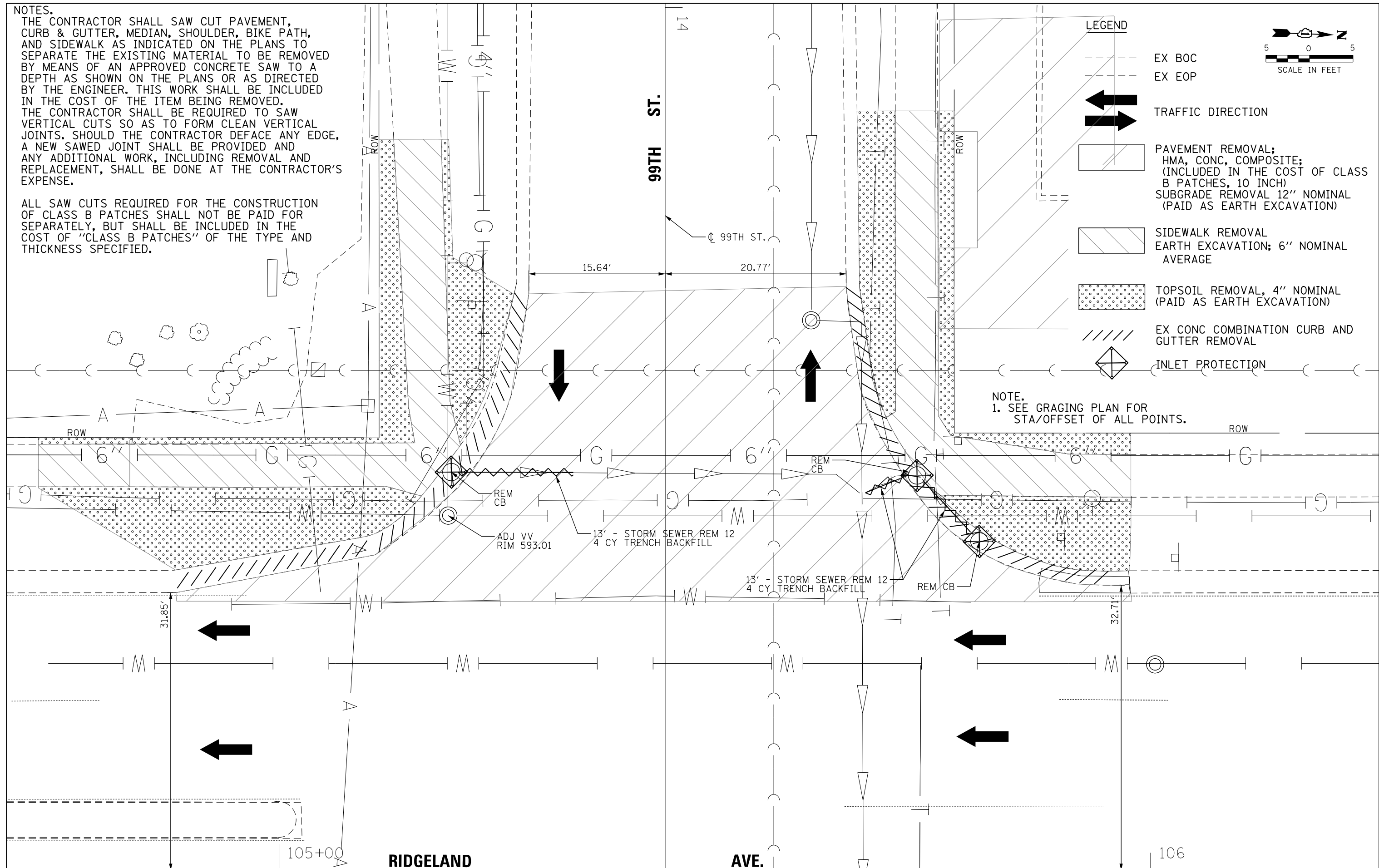
ALL SAW CUTS REQUIRED FOR THE CONSTRUCTION OF CLASS B PATCHES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF "CLASS B PATCHES" OF THE TYPE AND THICKNESS SPECIFIED.

LEGEND

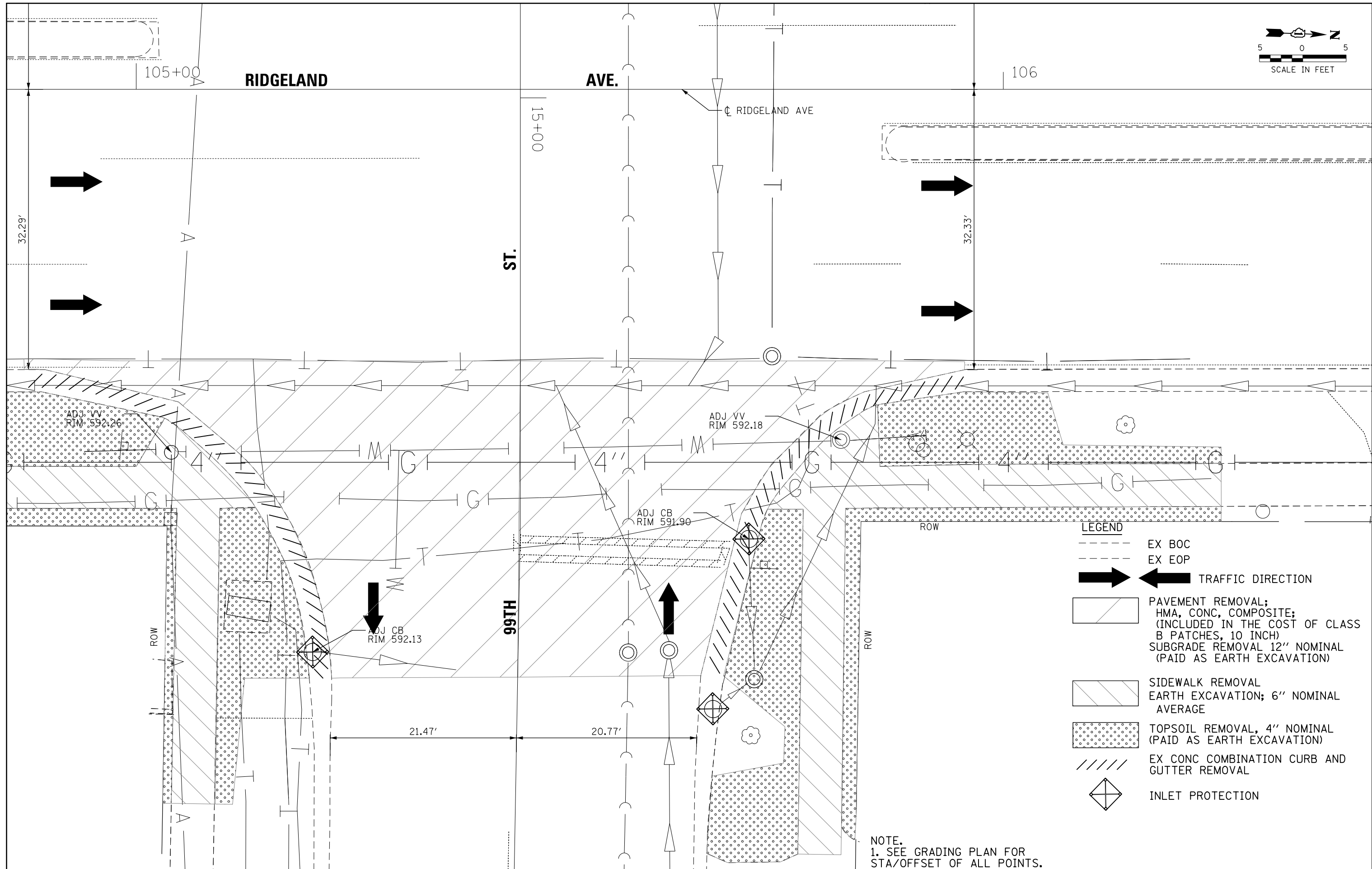
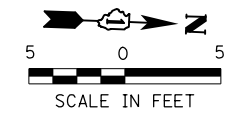
- EX BOC
- EX EOP
- ← → TRAFFIC DIRECTION
- [Hatched Box] PAVEMENT REMOVAL; HMA, CONC, COMPOSITE; (INCLUDED IN THE COST OF CLASS B PATCHES, 10 INCH)
- [Dotted Box] SUBGRADE REMOVAL 12" NOMINAL (PAID AS EARTH EXCAVATION)
- [Diagonal Lines Box] SIDEWALK REMOVAL EARTH EXCAVATION; 6" NOMINAL AVERAGE
- [Stippled Box] TOPSOIL REMOVAL, 4" NOMINAL (PAID AS EARTH EXCAVATION)
- [Hatched Box] EX CONC COMBINATION CURB AND GUTTER REMOVAL
- [Diamond with X] INLET PROTECTION



NOTE.
 1. SEE GRADING PLAN FOR STA/OFFSET OF ALL POINTS.



FILE NAME =	USER NAME = fbariso	DESIGNED - NKHL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	99TH STREET AND RIDGELAND AVENUE EXISTING CONDITIONS - REMOVAL PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\CHICAGO\RIDGELAND\00061\T0098\Traffic\PLN	T0098-01.sht	DRAWN - NKHL	REVISED -			2178	15-00054-00-TL	COOK	40	8	
Default	PLOT SCALE = 10'	CHECKED - MCW	REVISED -			CONTRACT NO.					
	PLOT DATE = 7/19/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



- LEGEND**
- EX BOC
 - EX EOP
 - ← TRAFFIC DIRECTION
 - [Hatched Box] PAVEMENT REMOVAL;
HMA, CONC, COMPOSITE;
(INCLUDED IN THE COST OF CLASS
B PATCHES, 10 INCH)
SUBGRADE REMOVAL 12" NOMINAL
(PAID AS EARTH EXCAVATION)
 - [Diagonal Hatched Box] SIDEWALK REMOVAL
EARTH EXCAVATION; 6" NOMINAL
AVERAGE
 - [Dotted Box] TOPSOIL REMOVAL, 4" NOMINAL
(PAID AS EARTH EXCAVATION)
 - [Hatched Box] EX CONC COMBINATION CURB AND
GUTTER REMOVAL
 - [Diamond with Cross] INLET PROTECTION

NOTE.
1. SEE GRADING PLAN FOR
STA/OFFSET OF ALL POINTS.

FILE NAME =	USER NAME = fbariso	DESIGNED - NKHL	REVISED -
N:\CHICAGO\RIDGE\900061\T0098\Traffic\PLN	T0098-02.sht	DRAWN - NKHL	REVISED -
Default	PLOT SCALE = 10'	CHECKED - MCW	REVISED -
	PLOT DATE = 7/19/2018	DATE -	REVISED -

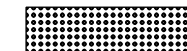
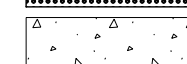
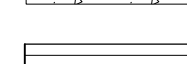
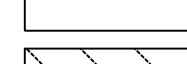
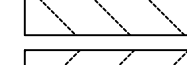
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

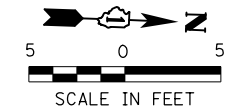
99TH STREET AND RIDGELAND AVENUE EXISTING CONDITIONS - REMOVAL PLAN			
SCALE: 5	SHEET 2 OF 2 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2178	15-00054-00-TL	COOK	40	9
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

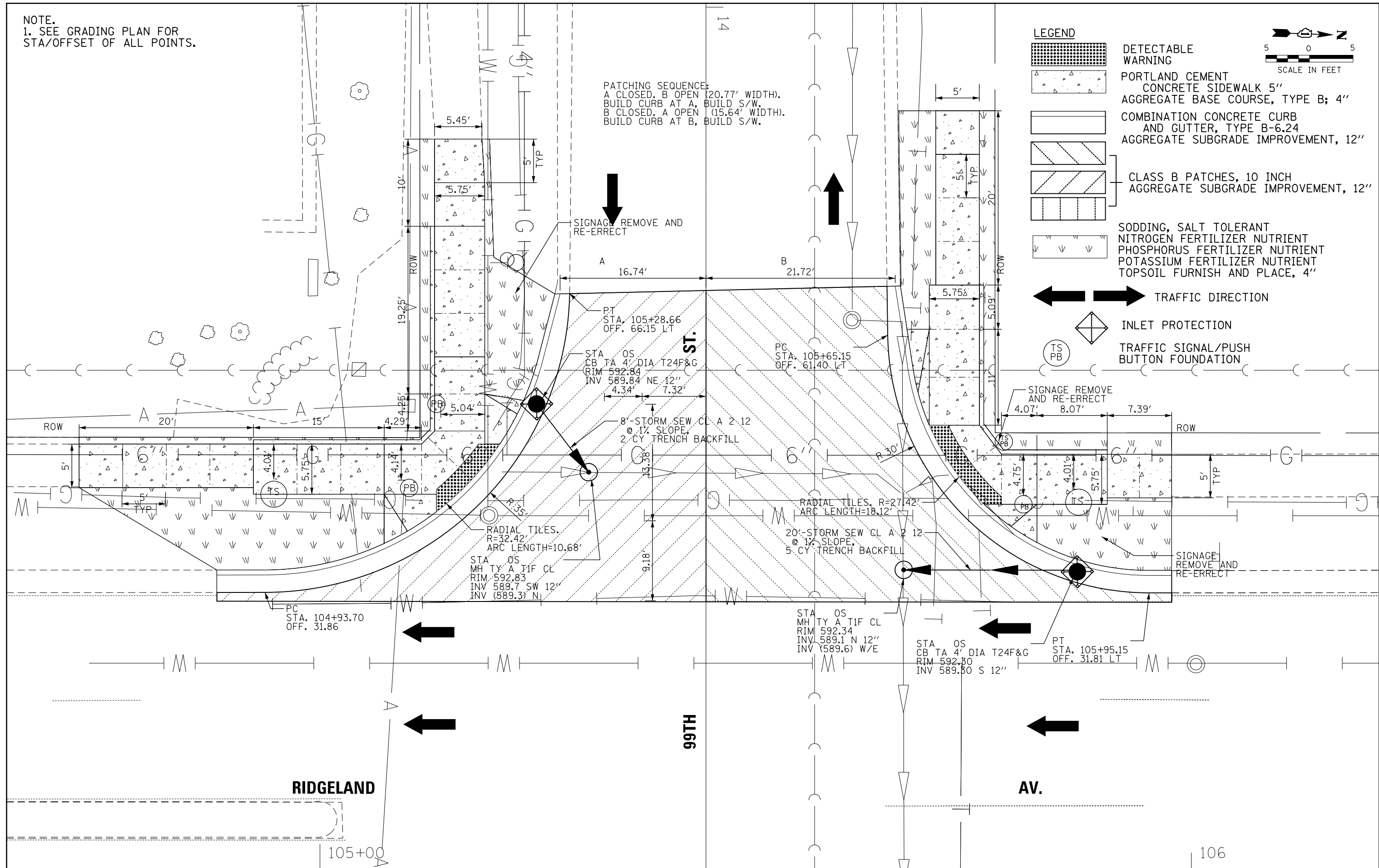
NOTE.
1. SEE GRADING PLAN FOR
STA/OFFSET OF ALL POINTS.

LEGEND

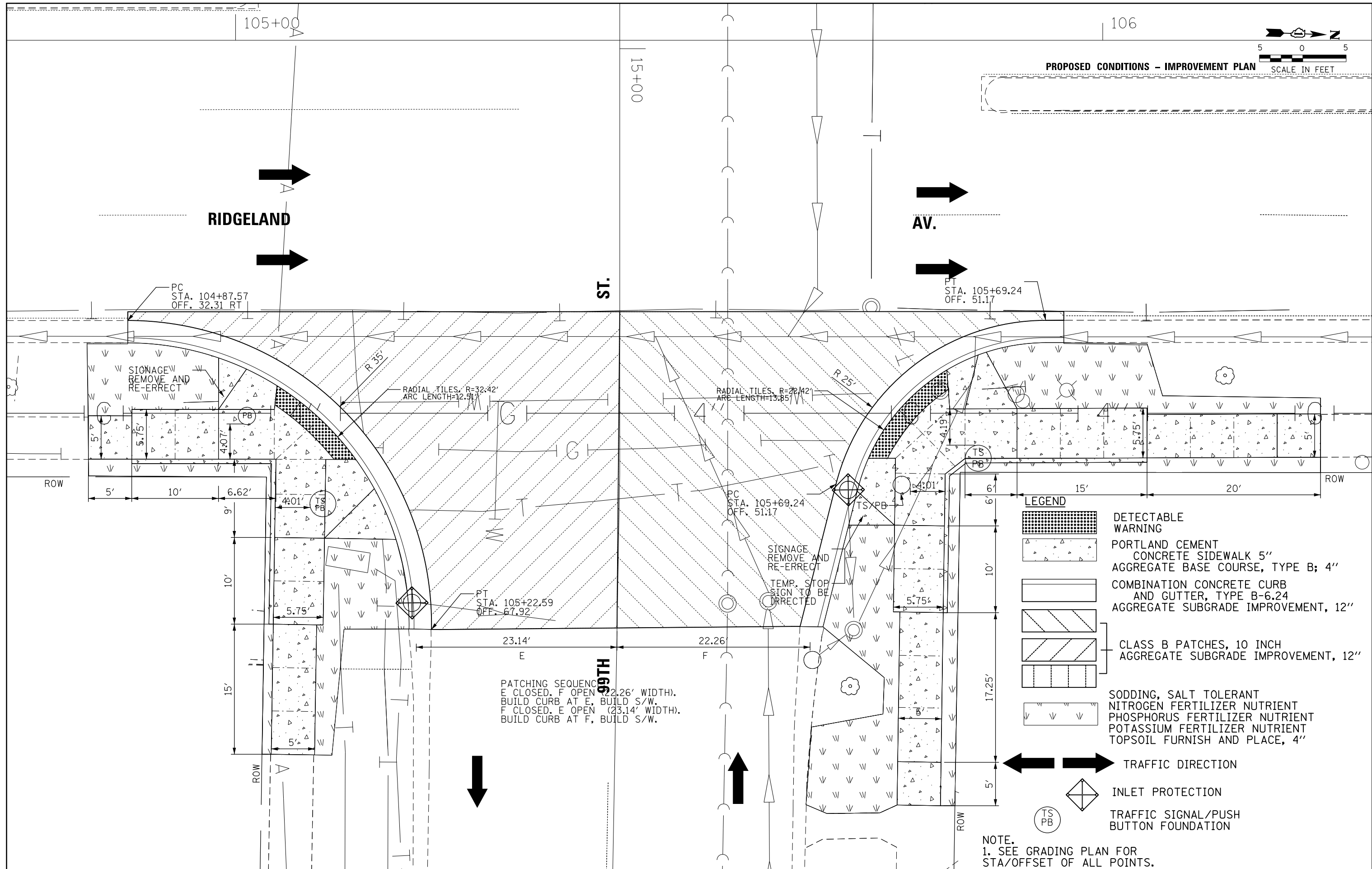
-  DETECTABLE WARNING
-  PORTLAND CEMENT CONCRETE SIDEWALK 5" AGGREGATE BASE COURSE, TYPE B; 4"
-  COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 AGGREGATE SUBGRADE IMPROVEMENT, 12"
-  CLASS B PATCHES, 10 INCH AGGREGATE SUBGRADE IMPROVEMENT, 12"
-  SODDING, SALT TOLERANT NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT TOPSOIL FURNISH AND PLACE, 4"



PATCHING SEQUENCE:
A CLOSED, B OPEN (20.77' WIDTH).
BUILD CURB AT A, BUILD S/W.
B CLOSED, A OPEN (15.64' WIDTH).
BUILD CURB AT B, BUILD S/W.



FILE NAME =	USER NAME = fbariso	DESIGNED - NKHL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	99TH STREET AND RIDGELAND AVENUE PROPOSED CONDITIONS - IMPROVEMENT PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - NKHL	REVISED -			2178	15-00054-00-TL	COOK	40	10	
		CHECKED - MCW	REVISED -			CONTRACT NO.					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



- LEGEND**
- DETECTABLE WARNING
 - PORTLAND CEMENT CONCRETE SIDEWALK 5" AGGREGATE BASE COURSE, TYPE B; 4"
 - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - CLASS B PATCHES, 10 INCH AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - SODDING, SALT TOLERANT NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT TOPSOIL FURNISH AND PLACE, 4"
 - TRAFFIC DIRECTION
 - INLET PROTECTION
 - TRAFFIC SIGNAL/PUSH BUTTON FOUNDATION

NOTE.
1. SEE GRADING PLAN FOR STA/OFFSET OF ALL POINTS.

FILE NAME =	USER NAME = fbariso	DESIGNED - NKHL	REVISED -
N:\CHICAGO\RIDGELAND\100061\10098\Traffic\PRG\10098-02.sht		DRAWN - NKHL	REVISED -
Default	PLOT SCALE = 10'	CHECKED - MCW	REVISED -
	PLOT DATE = 7/19/2018	DATE -	REVISED -

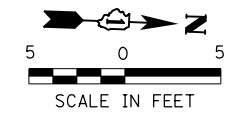
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**99TH STREET AND RIDGELAND AVENUE
PROPOSED CONDITIONS - IMPROVEMENT PLAN**

SCALE: 5' SHEET 2 OF 2 SHEETS STA. TO STA.

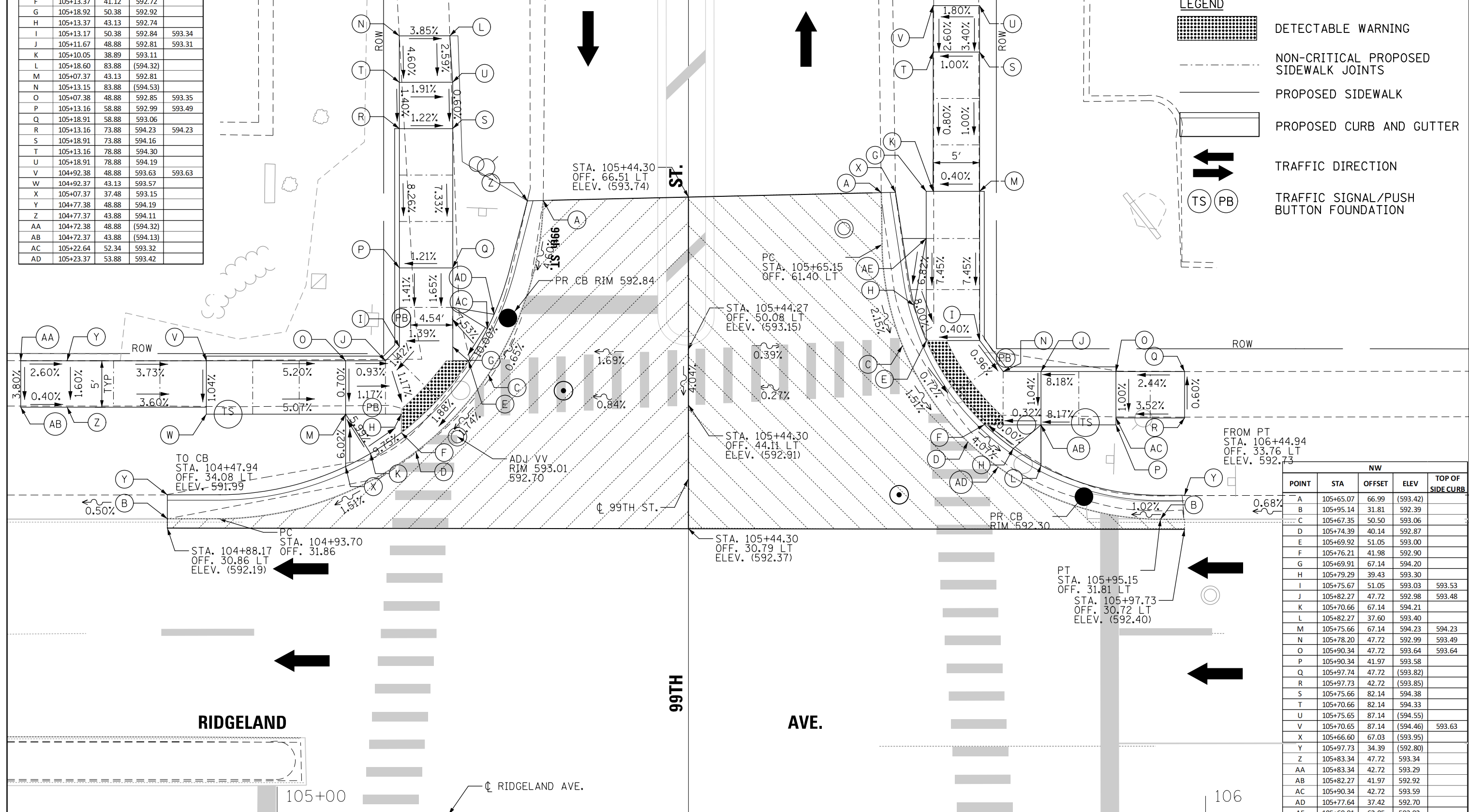
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2178	15-00054-00-TL	COOK	40	11
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

POINT	STA	OFFSET	ELEV	TOP OF SIDE CURB
A	105+28.66	66.15	(593.46)	
B	104+88.17	31.86	(592.17)	
C	105+22.76	47.41	592.80	
D	105+14.95	39.08	592.60	
E	105+20.64	48.88	592.92	
F	105+13.37	41.12	592.72	
G	105+18.92	50.38	592.92	
H	105+13.37	43.13	592.74	
I	105+13.17	50.38	592.84	593.34
J	105+11.67	48.88	592.81	593.31
K	105+10.05	38.89	593.11	
L	105+18.60	83.88	(594.32)	
M	105+07.37	43.13	592.81	
N	105+13.15	83.88	(594.53)	
O	105+07.38	48.88	592.85	593.35
P	105+13.16	58.88	592.99	593.49
Q	105+18.91	58.88	593.06	
R	105+13.16	73.88	594.23	594.23
S	105+18.91	73.88	594.16	
T	105+13.16	78.88	594.30	
U	105+18.91	78.88	594.19	
V	104+92.38	48.88	593.63	593.63
W	104+92.37	43.13	593.57	
X	105+07.37	37.48	593.15	
Y	104+77.38	48.88	594.19	
Z	104+77.37	43.88	594.11	
AA	104+72.38	48.88	(594.32)	
AB	104+72.37	43.88	(594.13)	
AC	105+22.64	52.34	593.32	
AD	105+23.37	53.88	593.42	



LEGEND

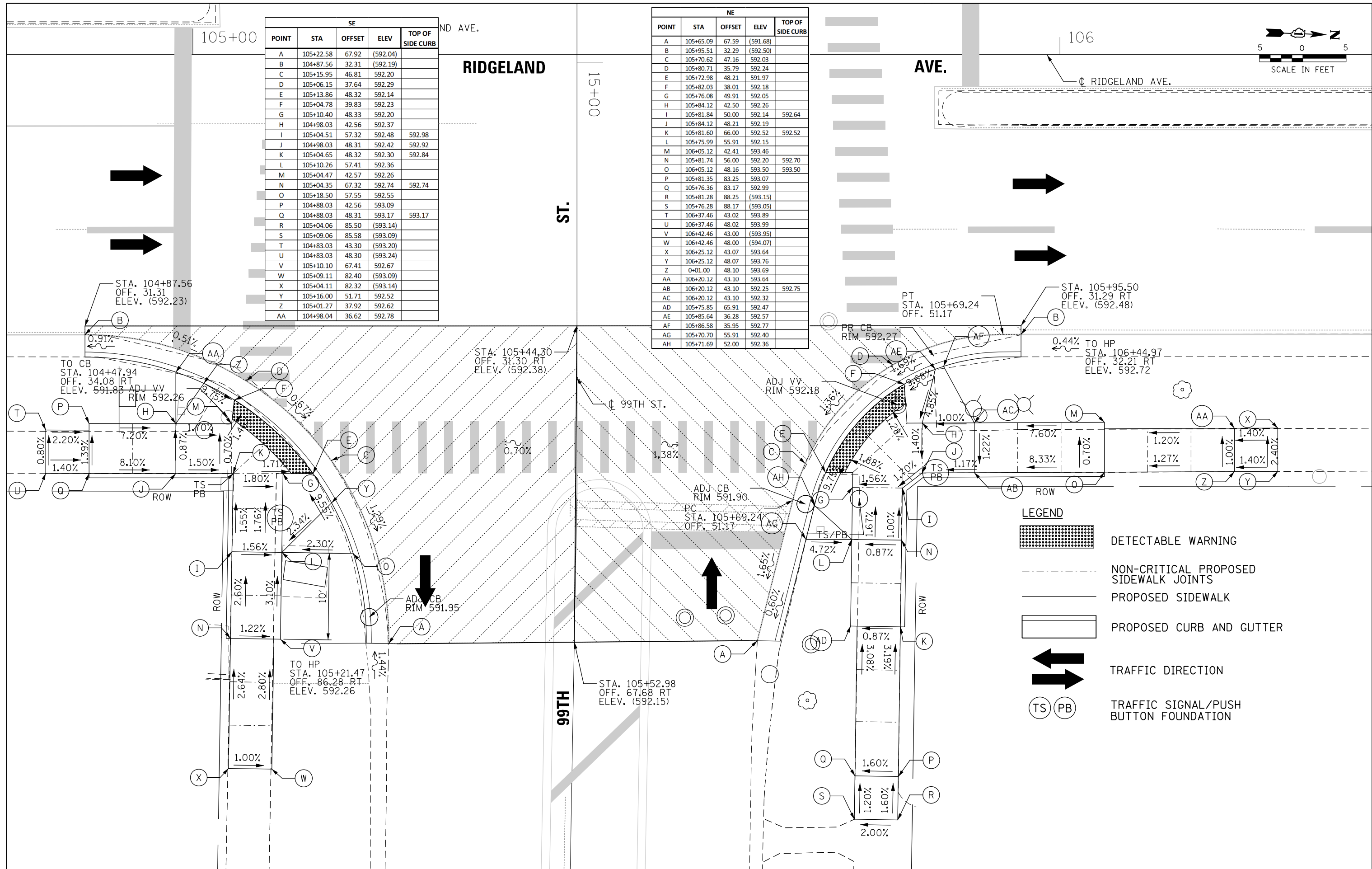
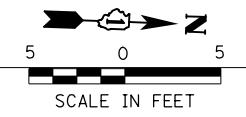
- DETECTABLE WARNING
- NON-CRITICAL PROPOSED SIDEWALK JOINTS
- PROPOSED SIDEWALK
- PROPOSED CURB AND GUTTER
- TRAFFIC DIRECTION
- TRAFFIC SIGNAL/PUSH BUTTON FOUNDATION



POINT	STA	OFFSET	ELEV	TOP OF SIDE CURB
A	105+65.07	66.99	(593.42)	
B	105+95.14	31.81	592.39	
C	105+67.35	50.50	593.06	
D	105+74.39	40.14	592.87	
E	105+69.92	51.05	593.00	
F	105+76.21	41.98	592.90	
G	105+69.91	67.14	594.20	
H	105+79.29	39.43	593.30	
I	105+75.67	51.05	593.03	593.53
J	105+82.27	47.72	592.98	593.48
K	105+70.66	67.14	594.21	
L	105+82.27	37.60	593.40	
M	105+75.66	67.14	594.23	594.23
N	105+78.20	47.72	592.99	593.49
O	105+90.34	47.72	593.64	593.64
P	105+90.34	41.97	593.58	
Q	105+97.74	47.72	(593.82)	
R	105+97.73	42.72	(593.85)	
S	105+75.66	82.14	594.38	
T	105+70.66	82.14	594.33	
U	105+75.65	87.14	(594.55)	
V	105+70.65	87.14	(594.46)	593.63
X	105+66.60	67.03	(593.95)	
Y	105+97.73	34.39	(592.80)	
Z	105+83.34	47.72	593.34	
AA	105+83.34	42.72	593.29	
AB	105+82.27	41.97	592.92	
AC	105+90.34	42.72	593.59	
AD	105+77.64	37.42	592.70	
AE	105+69.91	62.05	593.82	

SE				
POINT	STA	OFFSET	ELEV	TOP OF SIDE CURB
A	105+22.58	67.92	(592.04)	
B	104+87.56	32.31	(592.19)	
C	105+15.95	46.81	592.20	
D	105+06.15	37.64	592.29	
E	105+13.86	48.32	592.14	
F	105+04.78	39.83	592.23	
G	105+10.40	48.33	592.20	
H	104+98.03	42.56	592.37	
I	105+04.51	57.32	592.48	592.98
J	104+98.03	48.31	592.42	592.92
K	105+04.65	48.32	592.30	592.84
L	105+10.26	57.41	592.36	
M	105+04.47	42.57	592.26	
N	105+04.35	67.32	592.74	592.74
O	105+18.50	57.55	592.55	
P	104+88.03	42.56	593.09	
Q	104+88.03	48.31	593.17	593.17
R	105+04.06	85.50	(593.14)	
S	105+09.06	85.58	(593.09)	
T	104+83.03	43.30	(593.20)	
U	104+83.03	48.30	(593.24)	
V	105+10.10	67.41	592.67	
W	105+09.11	82.40	(593.09)	
X	105+04.11	82.32	(593.14)	
Y	105+16.00	51.71	592.52	
Z	105+01.27	37.92	592.62	
AA	104+98.04	36.62	592.78	

NE				
POINT	STA	OFFSET	ELEV	TOP OF SIDE CURB
A	105+65.09	67.59	(591.68)	
B	105+95.51	32.29	(592.50)	
C	105+70.62	47.16	592.03	
D	105+80.71	35.79	592.24	
E	105+72.98	48.21	591.97	
F	105+82.03	38.01	592.18	
G	105+76.08	49.91	592.05	
H	105+84.12	42.50	592.26	
I	105+81.84	50.00	592.14	592.64
J	105+84.12	48.21	592.19	
K	105+81.60	66.00	592.52	592.52
L	105+75.99	55.91	592.15	
M	106+05.12	42.41	593.46	
N	105+81.74	56.00	592.20	592.70
O	106+05.12	48.16	593.50	593.50
P	105+81.35	83.25	593.07	
Q	105+76.36	83.17	592.99	
R	105+81.28	88.25	(593.15)	
S	105+76.28	88.17	(593.05)	
T	106+37.46	43.02	593.89	
U	106+37.46	48.02	593.99	
V	106+42.46	43.00	(593.95)	
W	106+42.46	48.00	(594.07)	
X	106+25.12	43.07	593.64	
Y	106+25.12	48.07	593.76	
Z	0+01.00	48.10	593.69	
AA	106+20.12	43.10	593.64	
AB	106+20.12	43.10	592.25	592.75
AC	106+20.12	43.10	592.32	
AD	105+75.85	65.91	592.47	
AE	105+85.64	36.28	592.57	
AF	105+86.58	35.95	592.77	
AG	105+70.70	55.91	592.40	
AH	105+71.69	52.00	592.36	



- LEGEND**
- DETECTABLE WARNING
 - NON-CRITICAL PROPOSED SIDEWALK JOINTS
 - PROPOSED SIDEWALK
 - PROPOSED CURB AND GUTTER
 - TRAFFIC DIRECTION
 - TRAFFIC SIGNAL/PUSH BUTTON FOUNDATION

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	PLOT DATE = 7/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**99TH STREET AND RIDGELAND AVENUE
PROPOSED CONDITIONS - GRADING PLAN**

SCALE: 5 SHEET OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2178	15-00054-00-TL	COOK	40	13
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

DATE	BY	SURVEYED	ALIGNED	CHECKED	DATE
		RT. OF WAY	NO.	NO.	
PLAN	NOTE BOOK	NO.	NO.	NO.	NO.
CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (647) 923-9500					
DATE	BY	SURVEYED	ALIGNED	CHECKED	DATE
		RT. OF WAY	NO.	NO.	
PROFILE	NOTE BOOK	NO.	NO.	NO.	NO.
STRUCTURE NOTATIONS: OKWD					

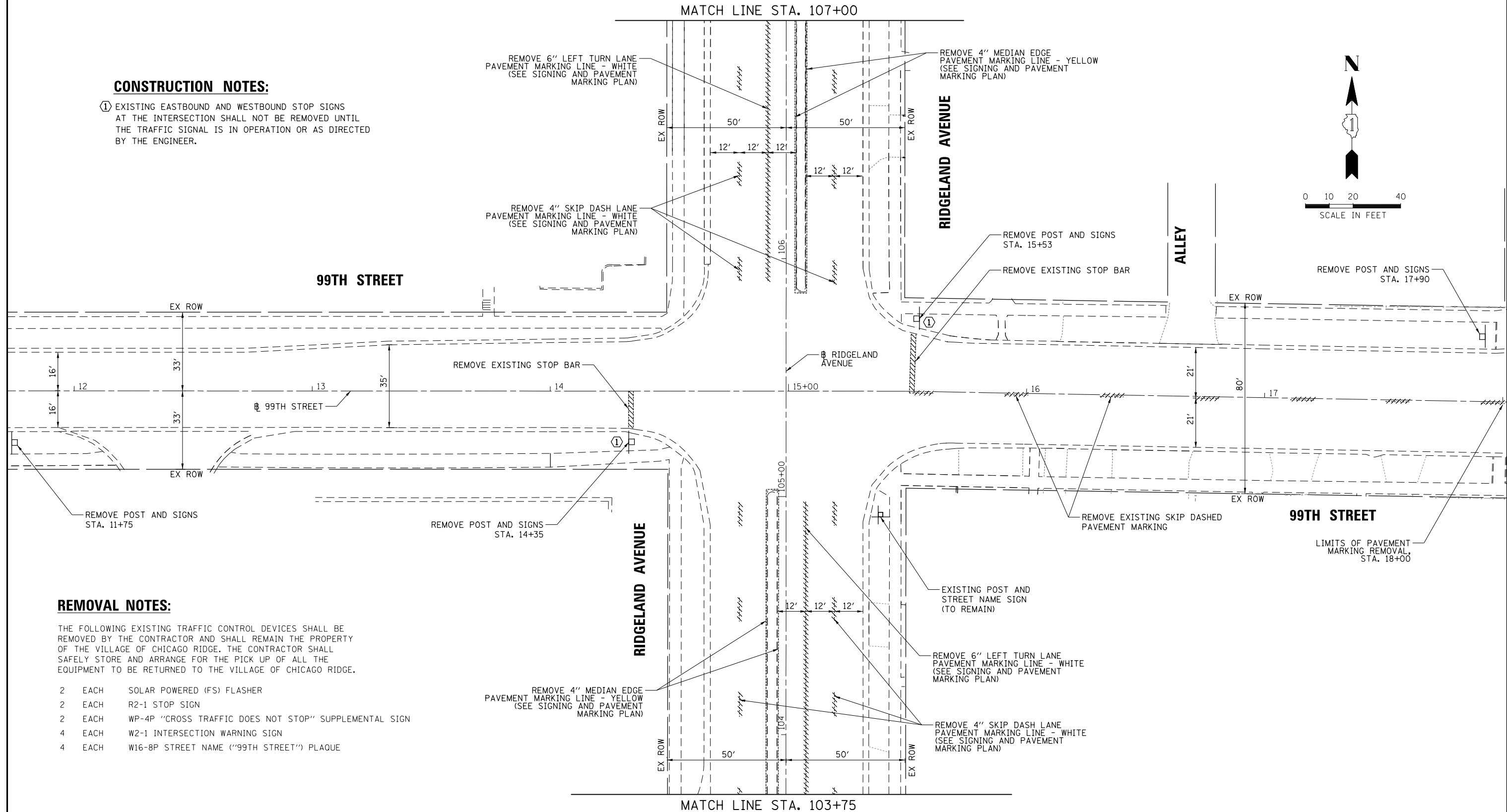
CONSTRUCTION NOTES:

- ① EXISTING EASTBOUND AND WESTBOUND STOP SIGNS AT THE INTERSECTION SHALL NOT BE REMOVED UNTIL THE TRAFFIC SIGNAL IS IN OPERATION OR AS DIRECTED BY THE ENGINEER.

REMOVAL NOTES:

THE FOLLOWING EXISTING TRAFFIC CONTROL DEVICES SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE VILLAGE OF CHICAGO RIDGE. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE VILLAGE OF CHICAGO RIDGE.

- 2 EACH SOLAR POWERED (FS) FLASHER
- 2 EACH R2-1 STOP SIGN
- 2 EACH WP-4P "CROSS TRAFFIC DOES NOT STOP" SUPPLEMENTAL SIGN
- 4 EACH W2-1 INTERSECTION WARNING SIGN
- 4 EACH W16-8P STREET NAME ("99TH STREET") PLAQUE



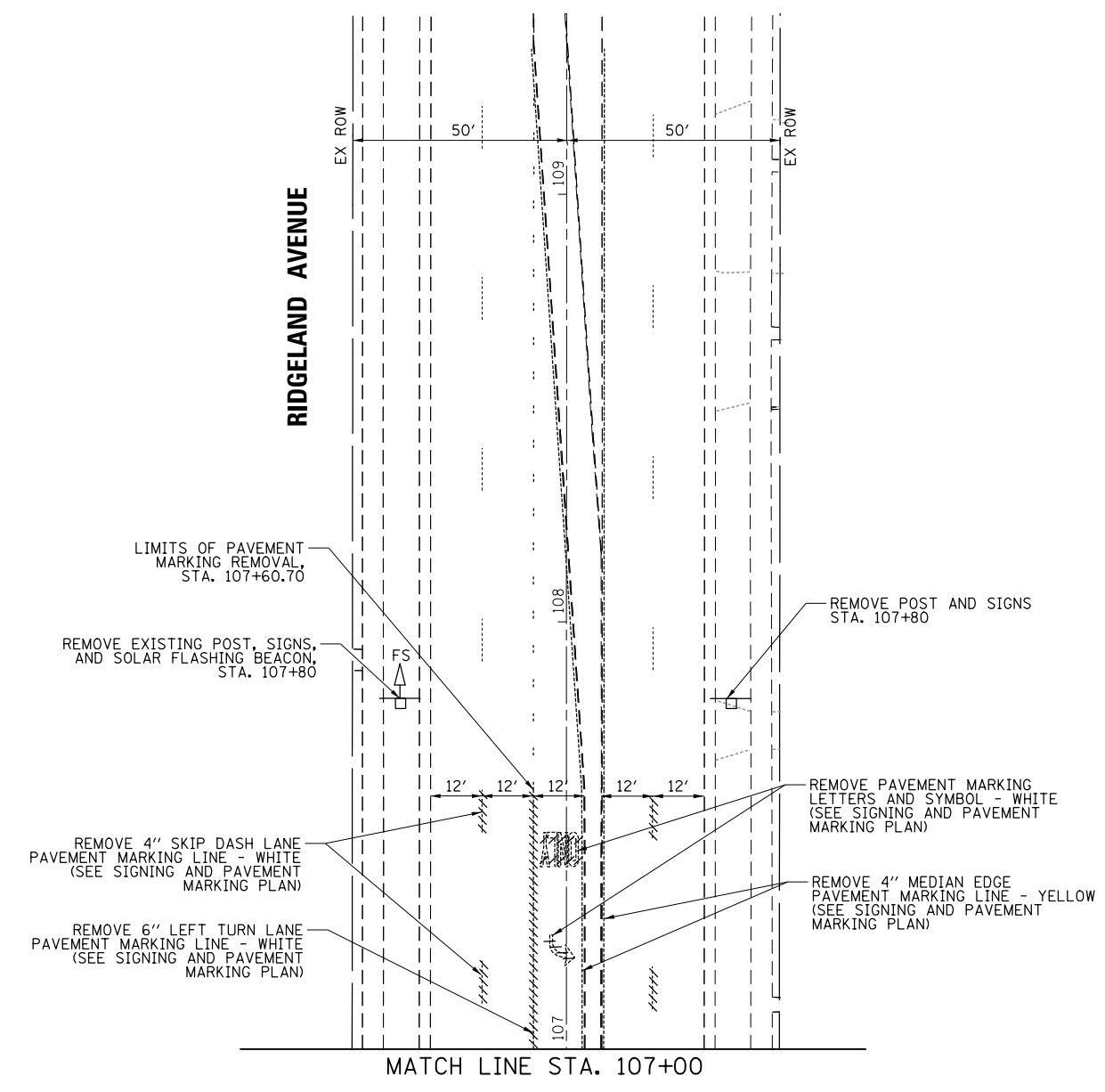
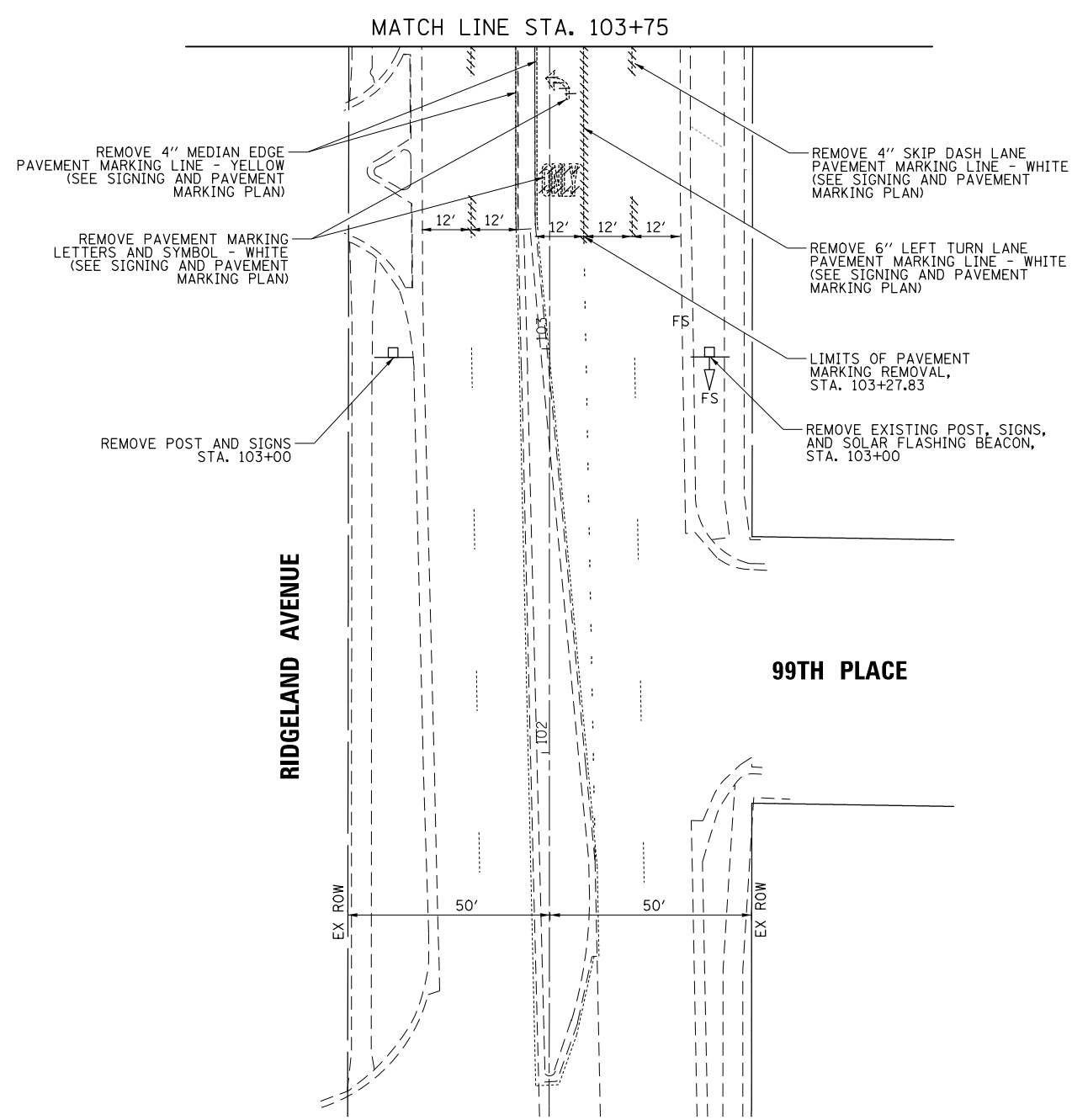
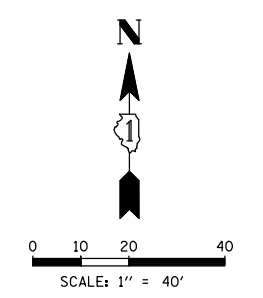
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	PLOT DATE = 7/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING REMOVAL PLAN 99TH STREET AND RIDGELAND AVENUE			
SCALE: 1" = 40'	SHEET NO.	OF SHEETS	STA. TO STA.

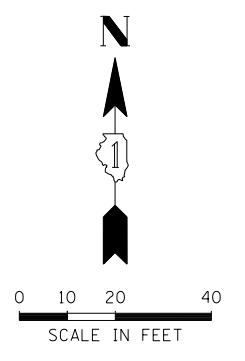
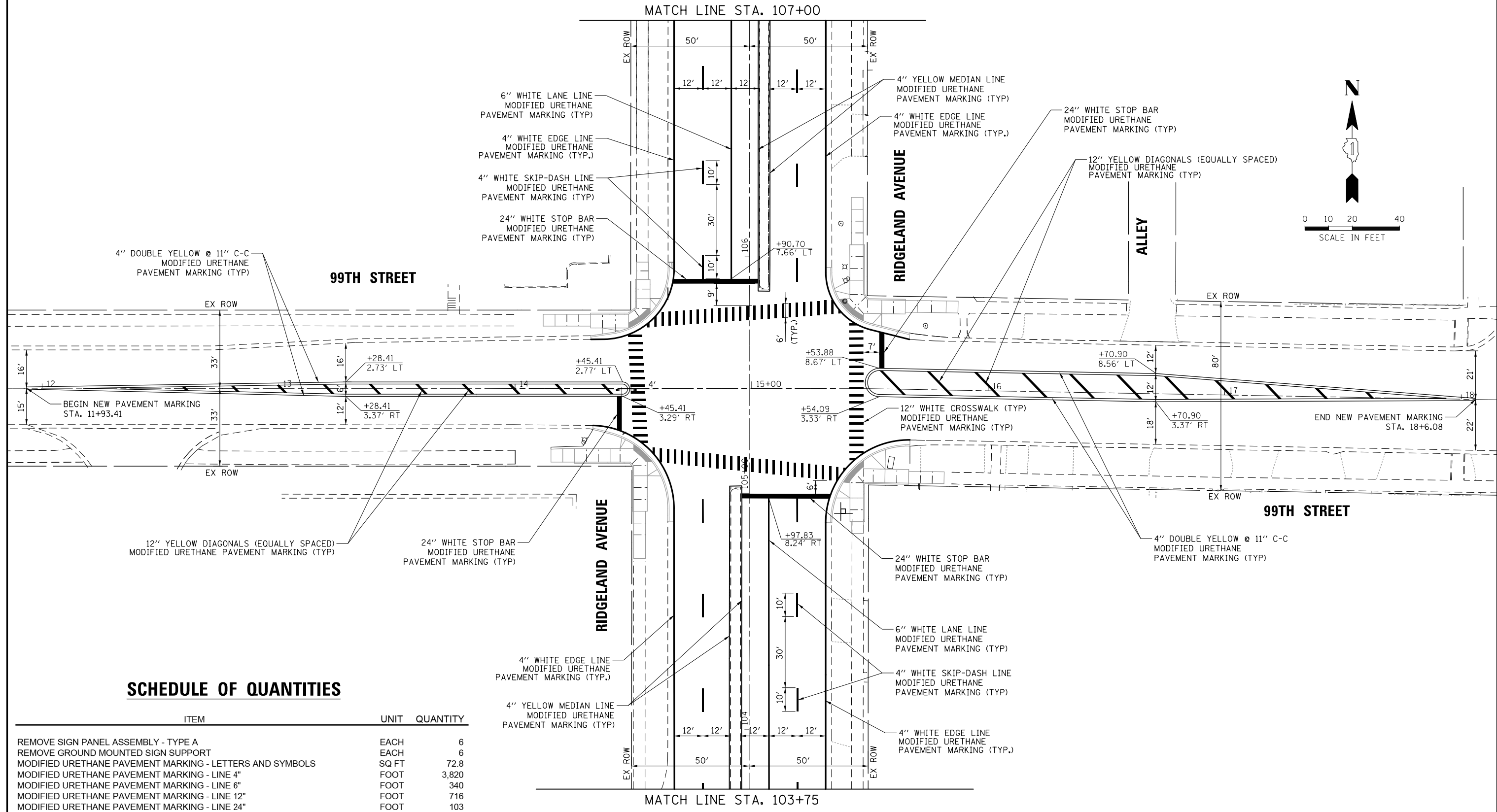
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	14
CONTRACT NO. 61F02				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	BY	SURVEYED	ALIGNED	CHECKED	DATE
		RT. OF WAY	CHECKED	ADD. FILE NAME	
PLAN	NOTE BOOK NO.	NO.			
CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (647) 923-5938					
DATE	BY	SURVEYED	GRADES CHECKED	BLM. NOTED	STRUCTURE NOTATIONS OK'D
PROFILE	NOTE BOOK NO.				



FILE NAME =	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING REMOVAL PLAN 99TH STREET AND RIDGELAND AVENUE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 48'		CHECKED - GMZ	REVISED -			CONTRACT NO. 61F02				
PLOT DATE = 7/19/2018		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: 1" = 40'						SHEET NO.	OF SHEETS	STA.	TO STA.	

PROFILE SURVEYED GRADES CHECKED ELEM. NOTED STRUCTURE NOTATIONS OKWD
 NOTE BOOK NO. _____
 DATE _____
 BY _____
 PLAN SURVEYED ALIGNED CHECKED RT. OF WAY CHECKED ADD. FILE NAME
 NOTE BOOK NO. _____
 DATE _____
 BY _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (630) 922-5500



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	6
REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	6
MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	72.8
MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3,820
MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	340
MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	716
MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	103
REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	2
PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	570

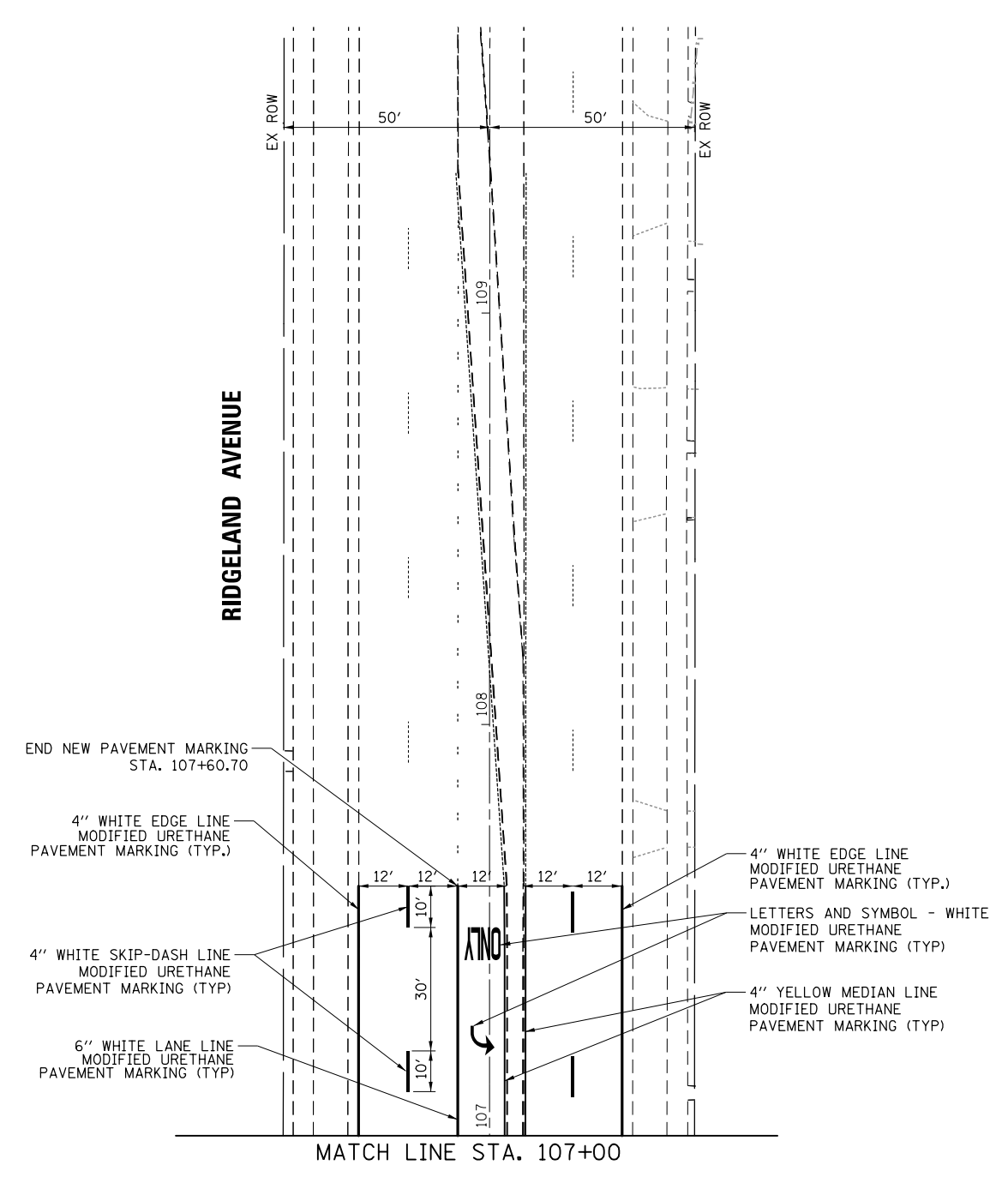
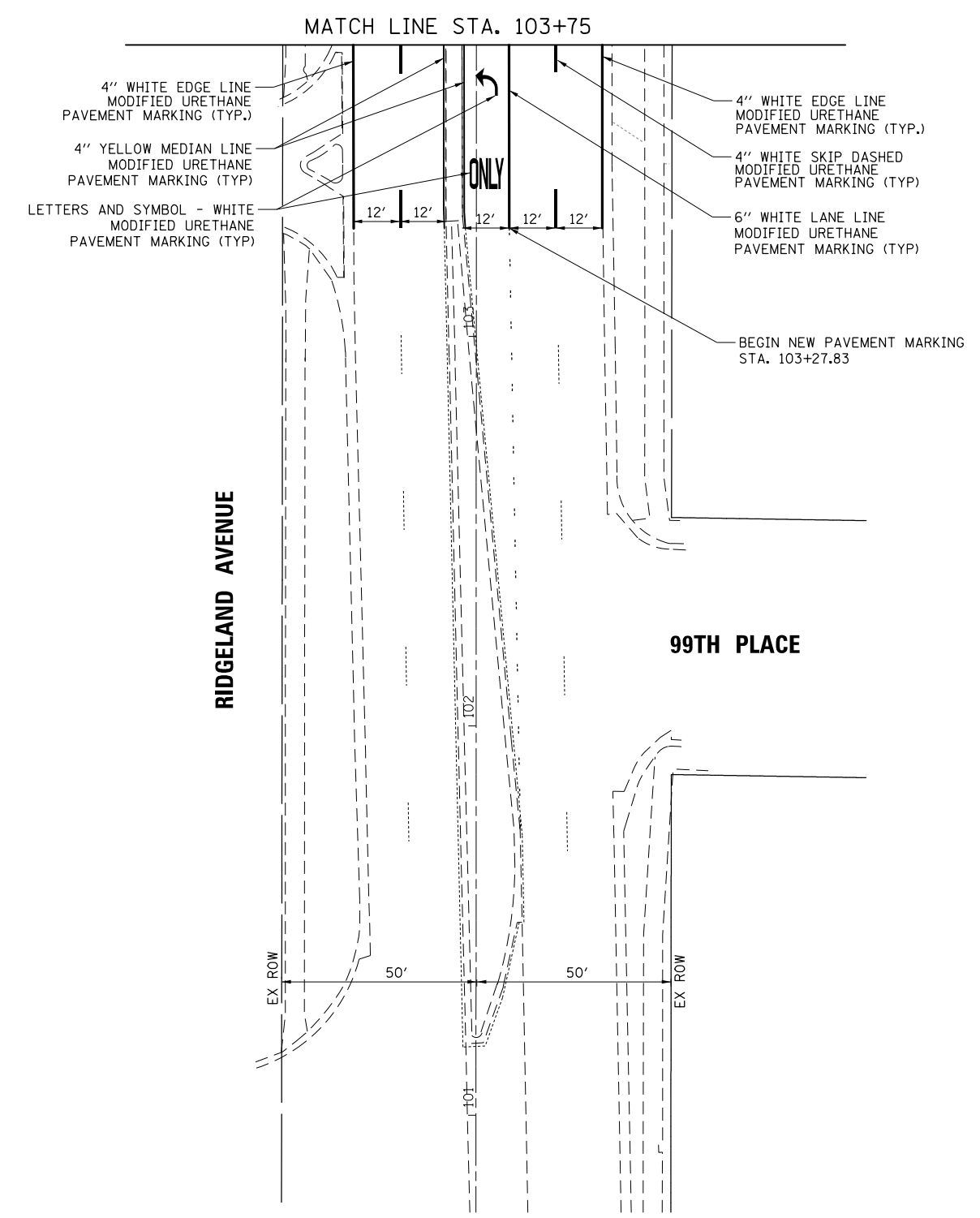
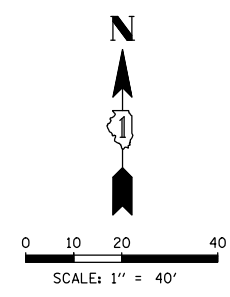
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PLOT DATE = 7/19/2018	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN
99TH STREET AND RIDGELAND AVENUE
 SCALE: 1" = 40' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 2781	SECTION 15-00054-00-TL	COUNTY COOK	TOTAL SHEETS 40	SHEET NO. 16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F02	

DATE	BY	SURVEYED	ALIGNED	CHECKED	DATE
		RT. OF WAY	CHECKED		
		ADJ. FILE NAME			
PLAN	NO.	NO.			
CHRISTOPHER B. BURKE ENGINEERING LTD. 3575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (647) 923-5938					
PROFILE	DATE	BY	SURVEYED	GRADES	CHECKED
			BLM. NOTED		
			STRUCTURE	NOTATIONS	CHKD

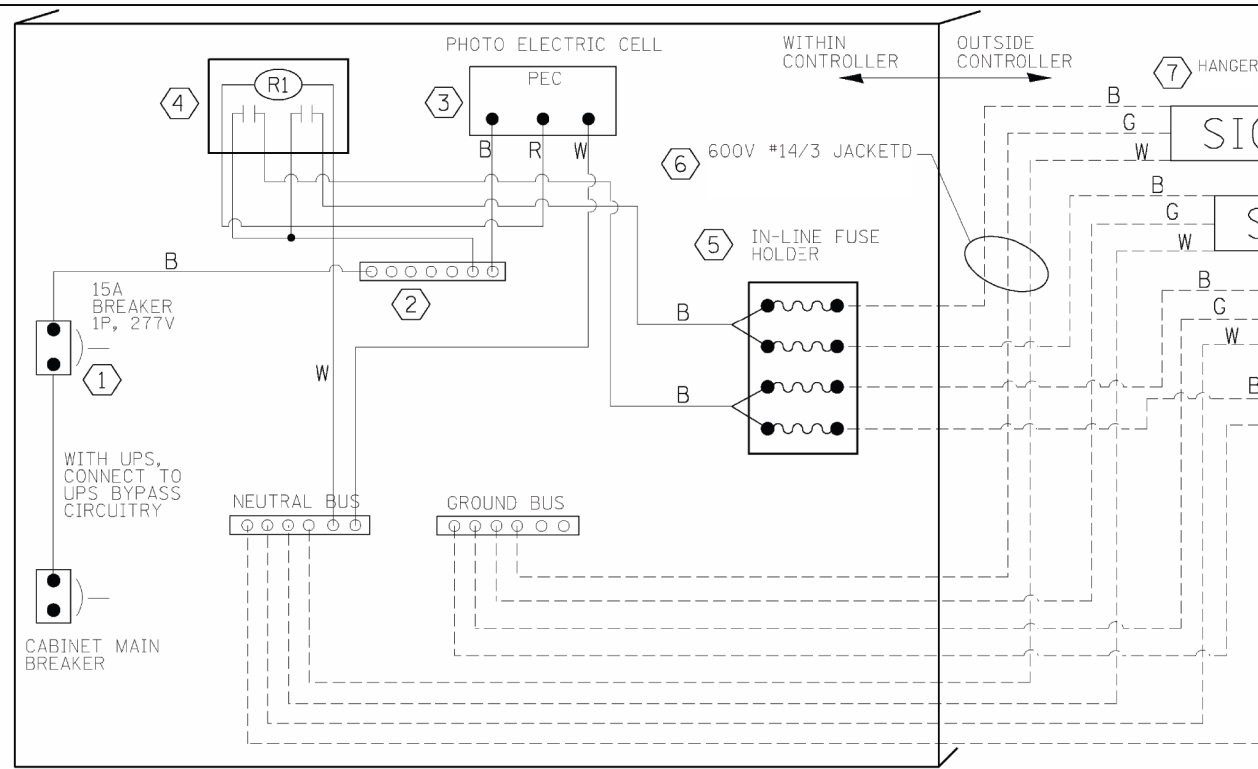


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		CHECKED - GMZ	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING AND PAVEMENT MARKING PLAN			
99TH STREET AND RIDGELAND AVENUE			
SCALE: 1" = 40'	SHEET NO.	OF SHEETS	STA. TO STA.

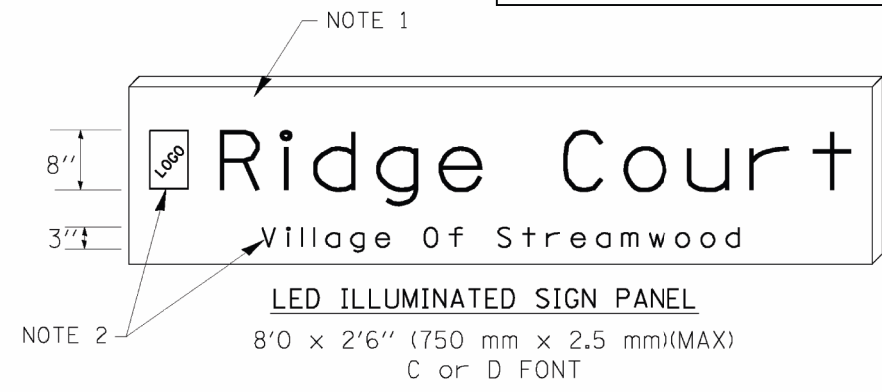
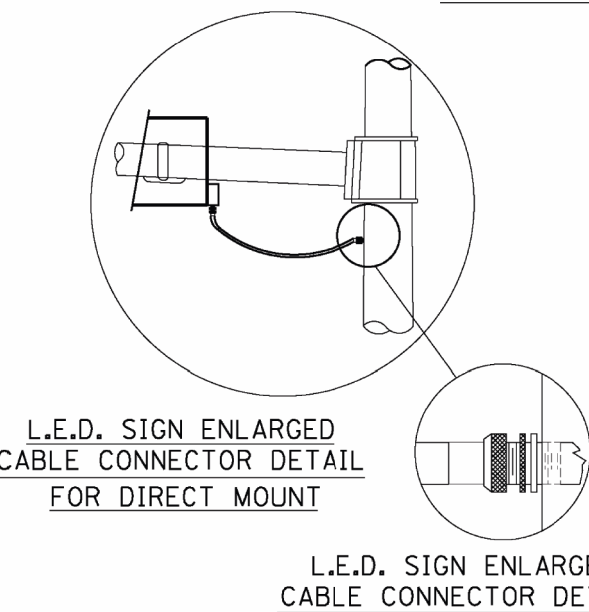
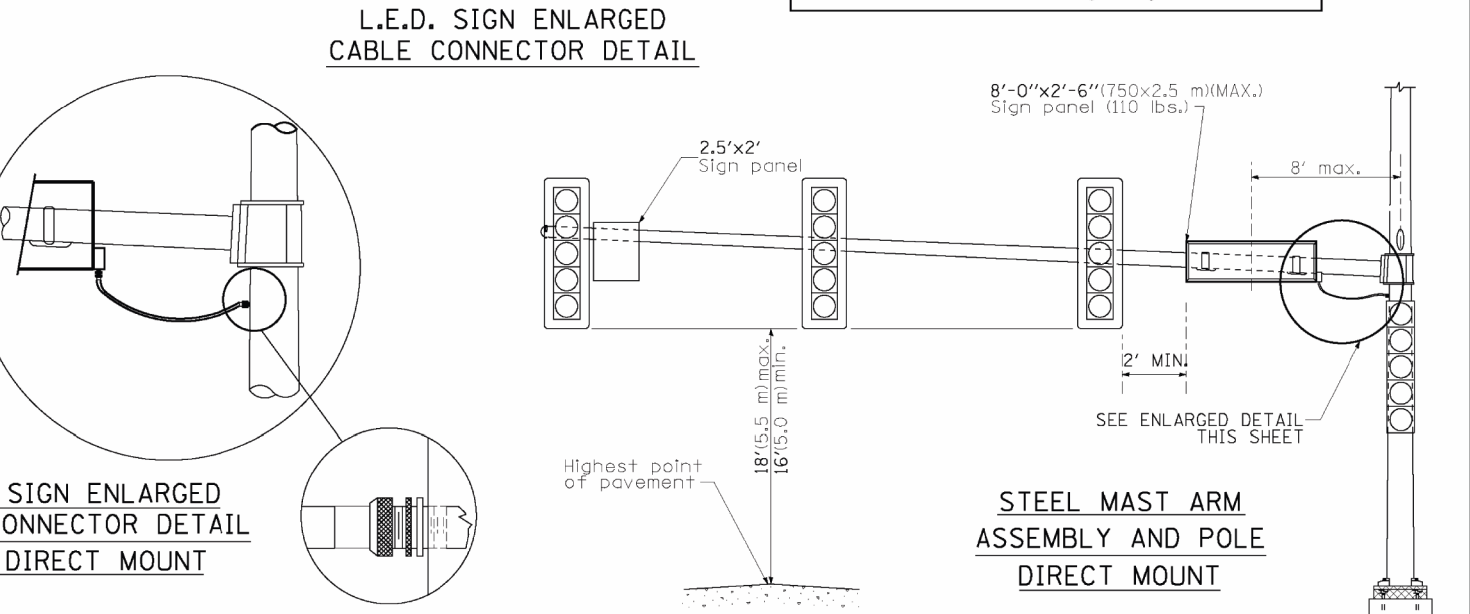
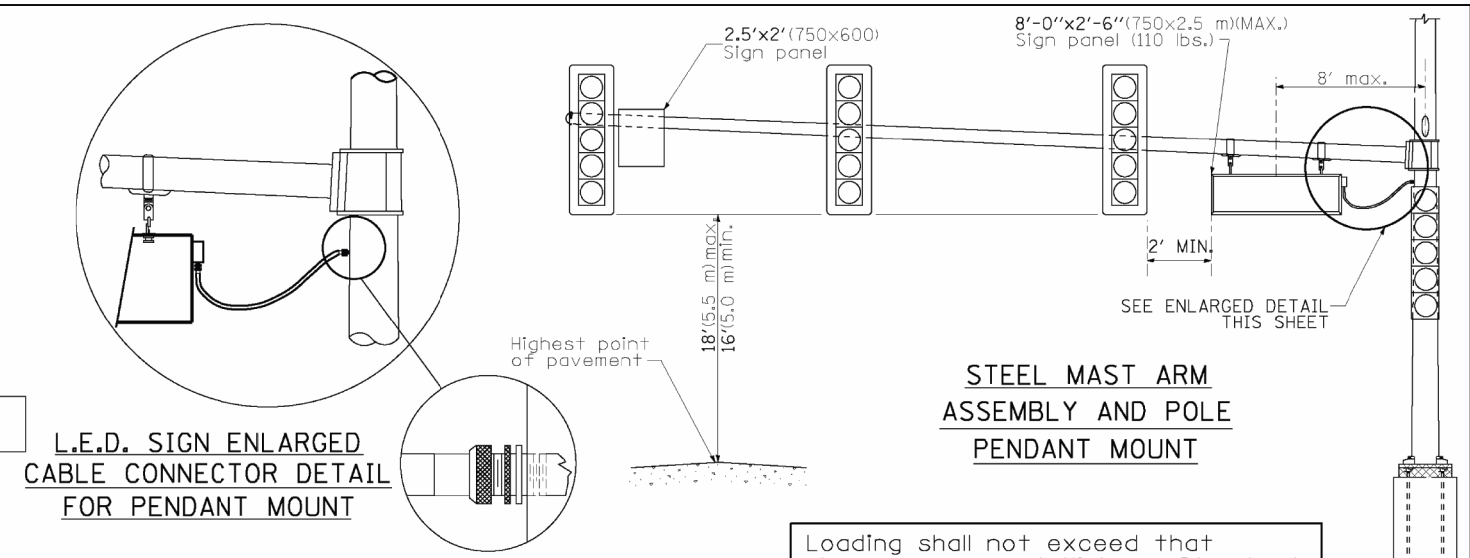
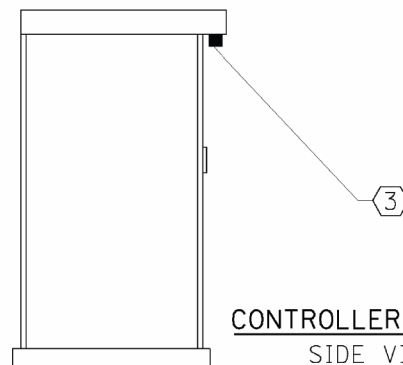
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	17
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61F02	



LED SIGN WIRING DETAIL

BILL OF MATERIALS

DESCRIPTION	NOTES
① CIRCUIT BREAKER	Molded case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere at 277V.
② TERMINAL BLOCK	
③ PHOTO ELECTRIC CONTROL	
④ CONTROL RELAY	BOLT ON W/SCREW TERMINAL
⑤ INLINE FUSE HOLDER WITH 5 AMP FUSE	
⑥ ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	
⑦ SIGN MOUNTING HARDWARE	S.S. HARDWARE



- NOTES:
- SIGNS SHALL BE SINGLE SIDED FOR DIRECT MOUNT AND DOUBLE SIDED FOR PENDANT MOUNT.
 - CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
 - SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
 - ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
 - ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #14AWG STRANDED UNLESS OTHERWISE INDICATED.
 - ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

TRAFFIC SIGNAL LEGEND

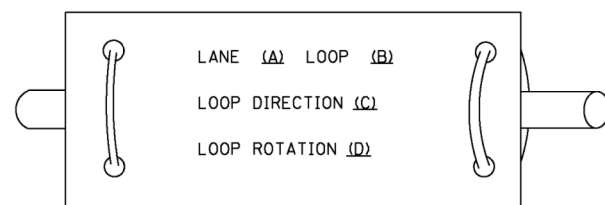
(NOT TO SCALE)

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 METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			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					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

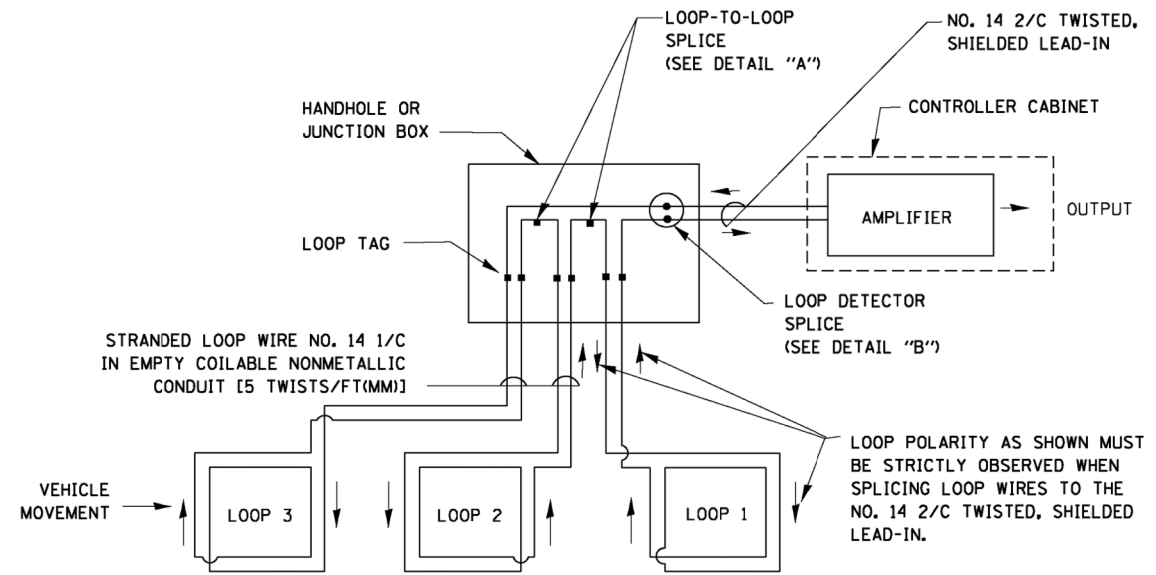
LOOP DETECTOR NOTES

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

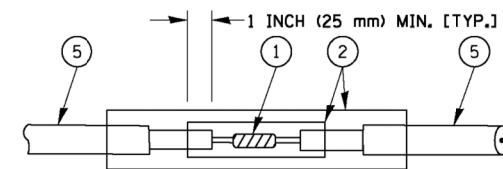


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

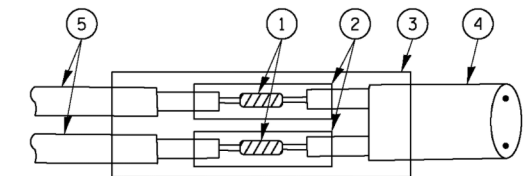


DETECTOR LOOP WIRING SCHEMATIC

- 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.

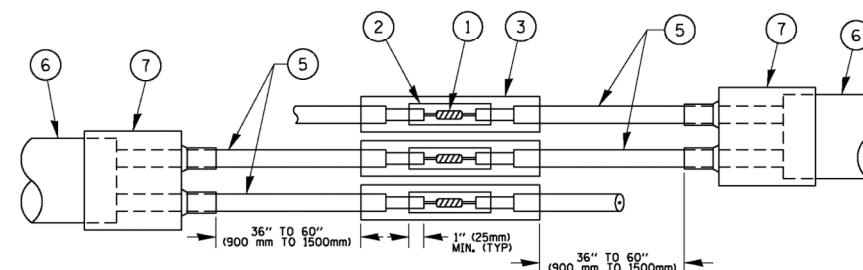


DETAIL "A"
LOOP-TO-LOOP SPLICE

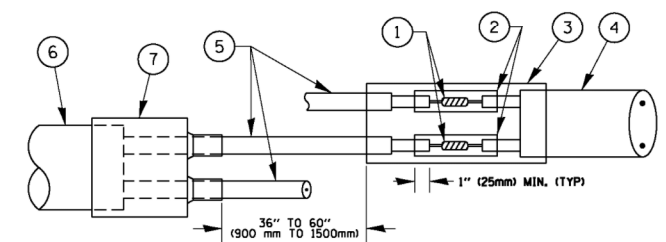


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

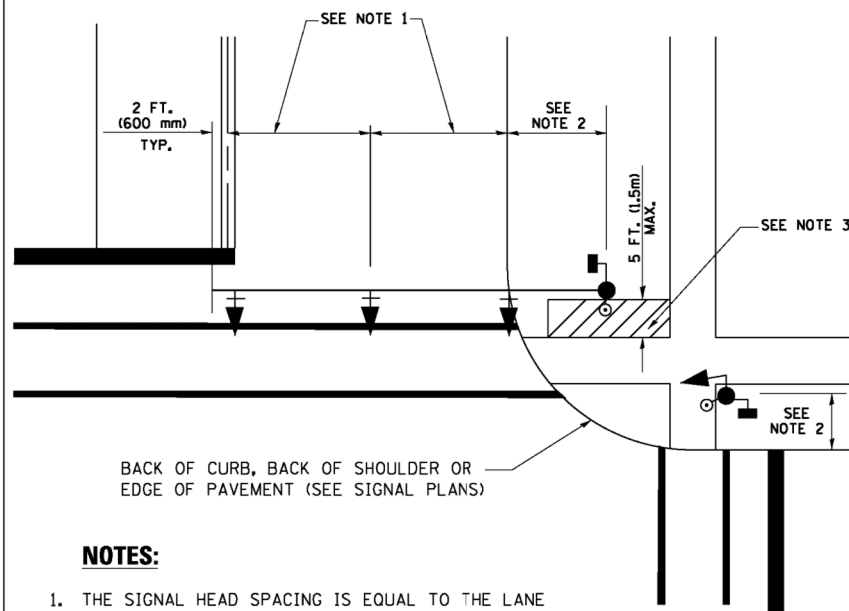
PRE-FORMED LOOP

LOOP DETECTOR SPLICE

1. 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.

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE. 2781	SECTION 15-00054-00-TL	COUNTY COOK	TOTAL SHEETS 40	SHEET NO. 20
ca:\pwwork\pwwork\footemj\d0108315\ts05.dgn	PLOT SCALE = 50.0000' / in.	DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 61F02		
	PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -									
		DATE - 10-28-09	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

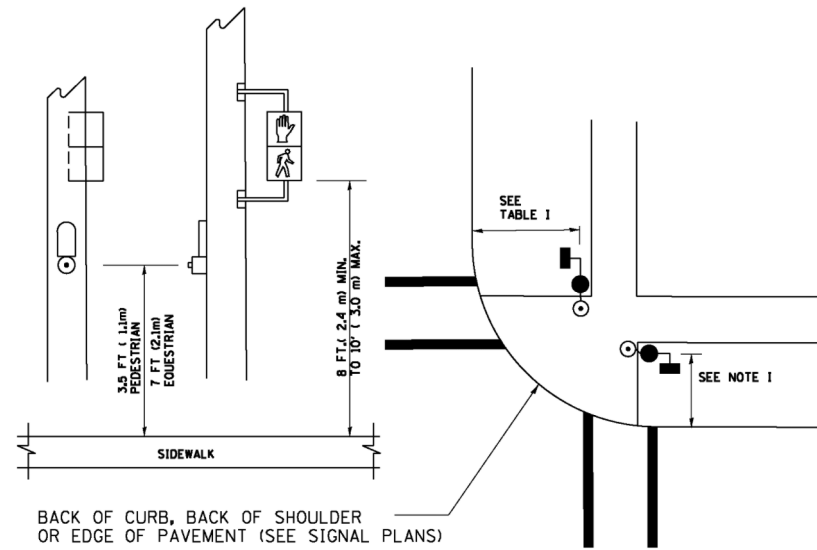
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

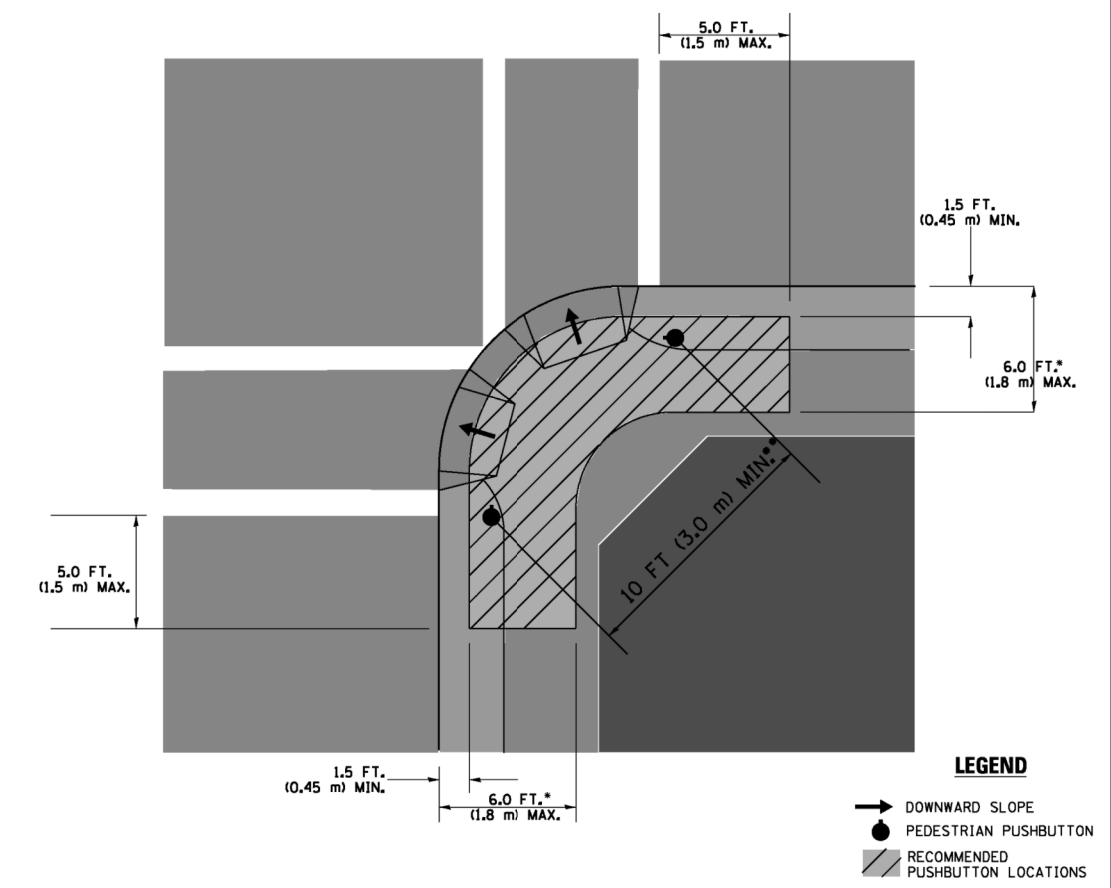
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

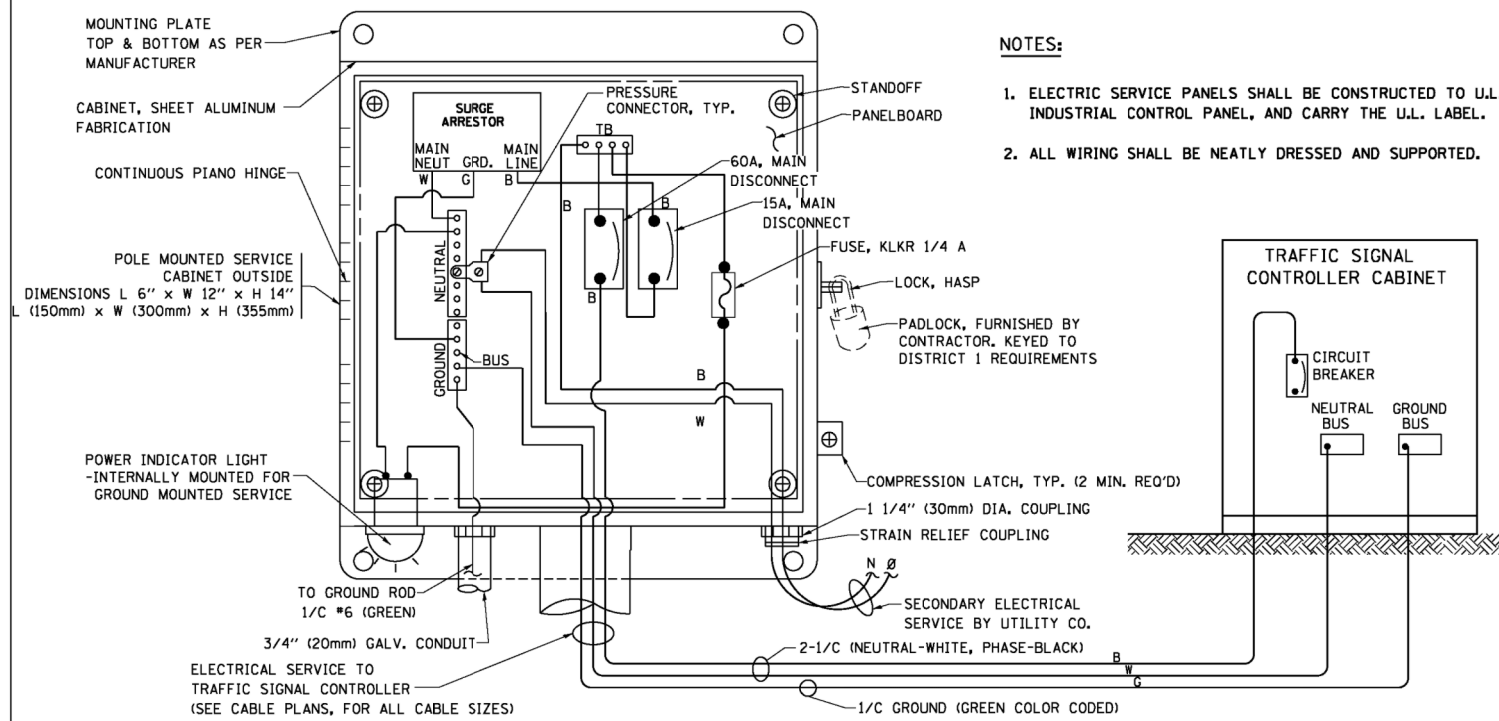
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM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

TRAFFIC SIGNAL EQUIPMENT OFFSET

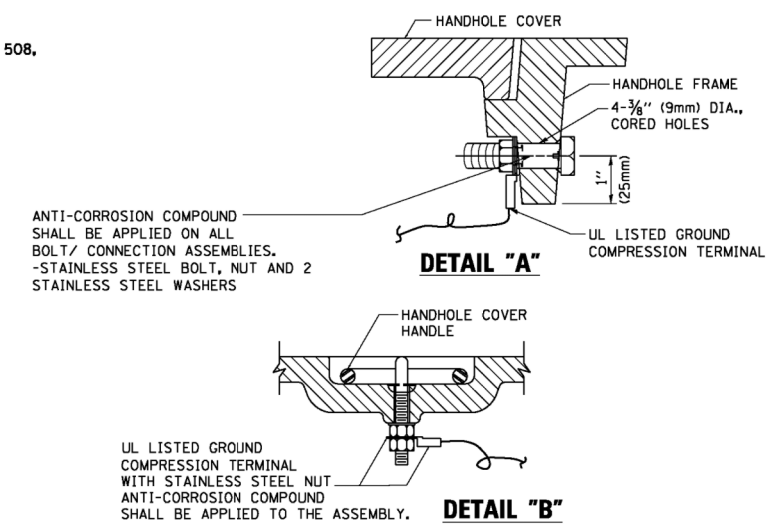
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT 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.

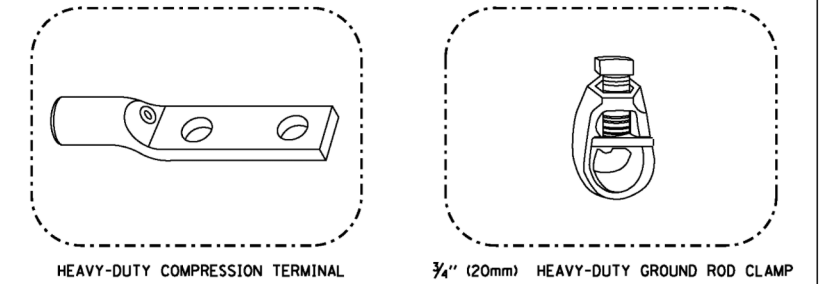
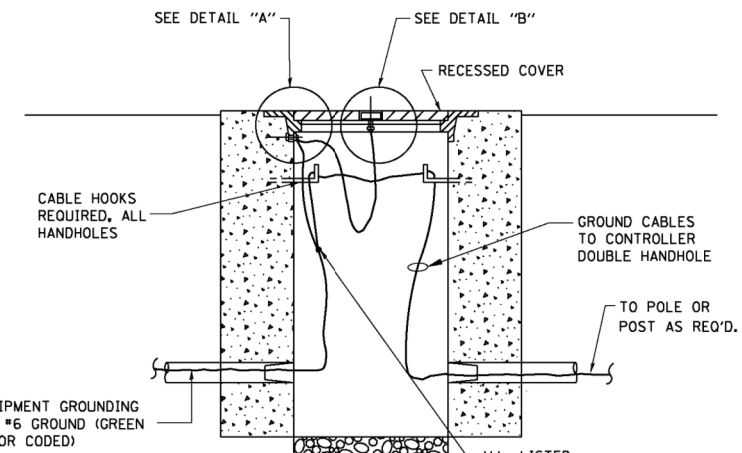


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**



NOTES:
GROUNDING SYSTEM

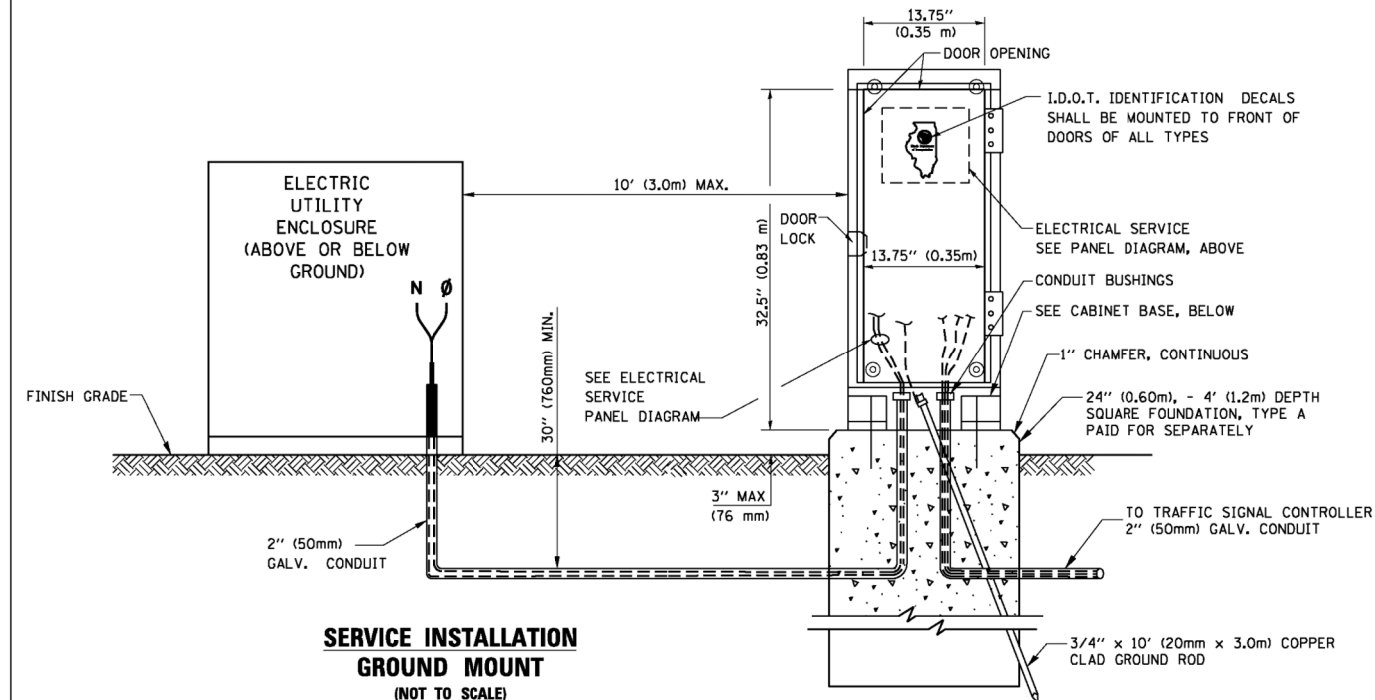
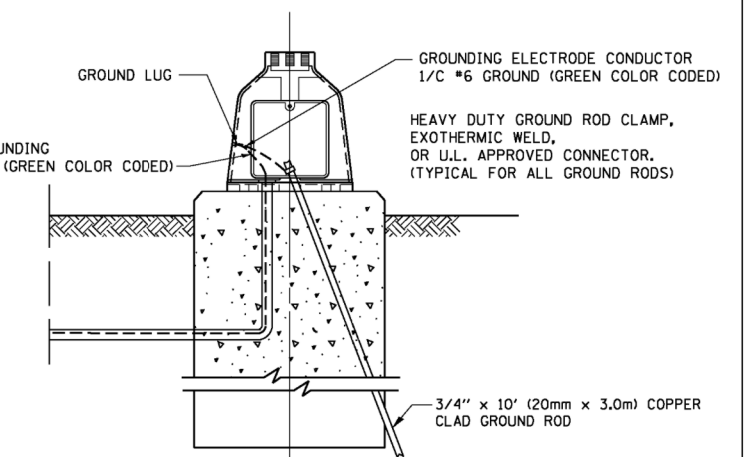
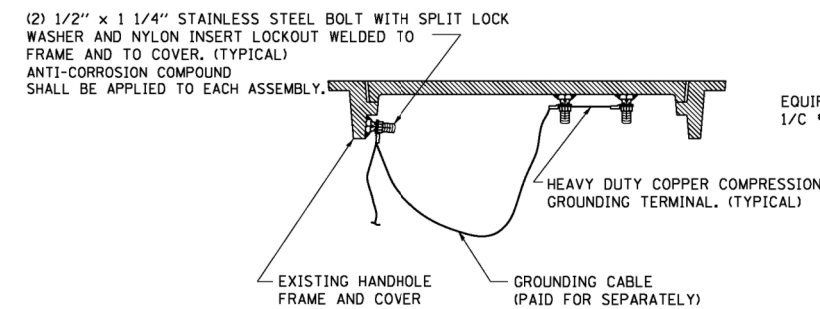
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE,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

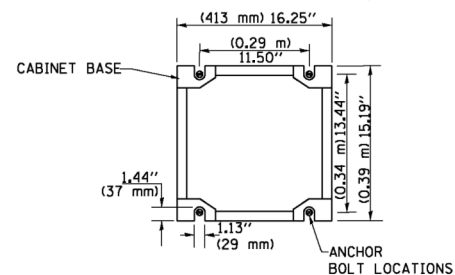
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

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



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

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

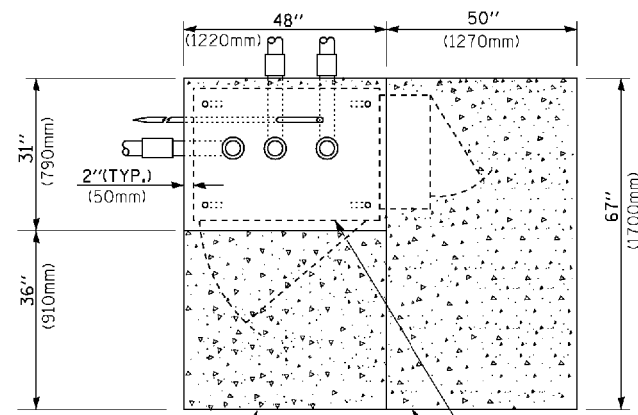


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ca:\pwork\pwork\footemj\00108315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

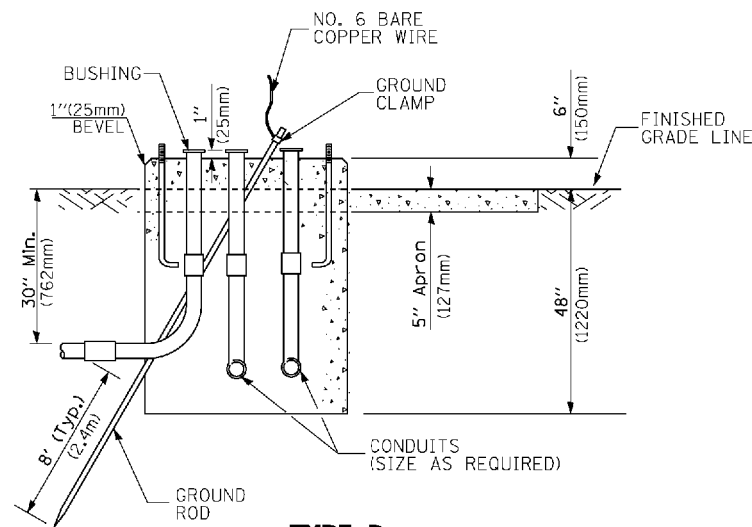
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA.	TO STA.

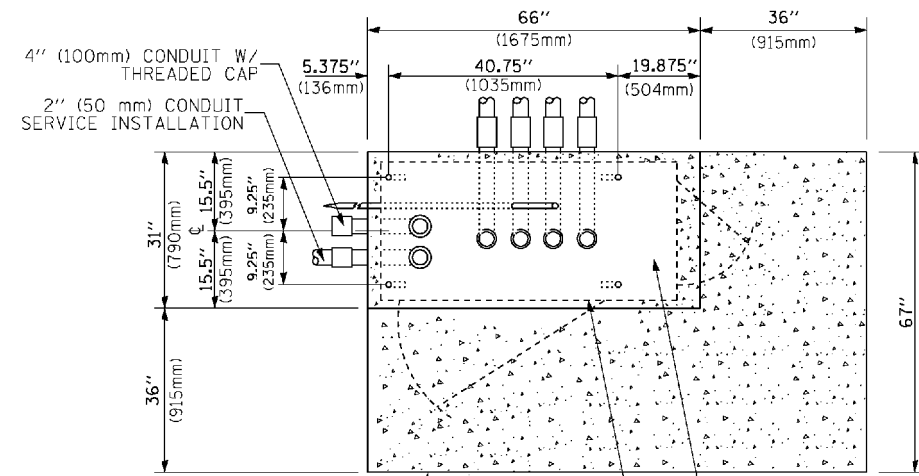
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	22
TS-05		CONTRACT NO. 61F02		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW



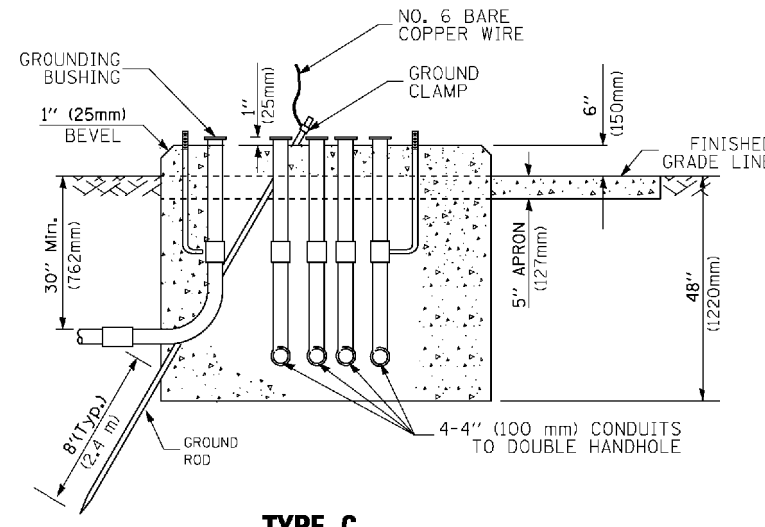
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



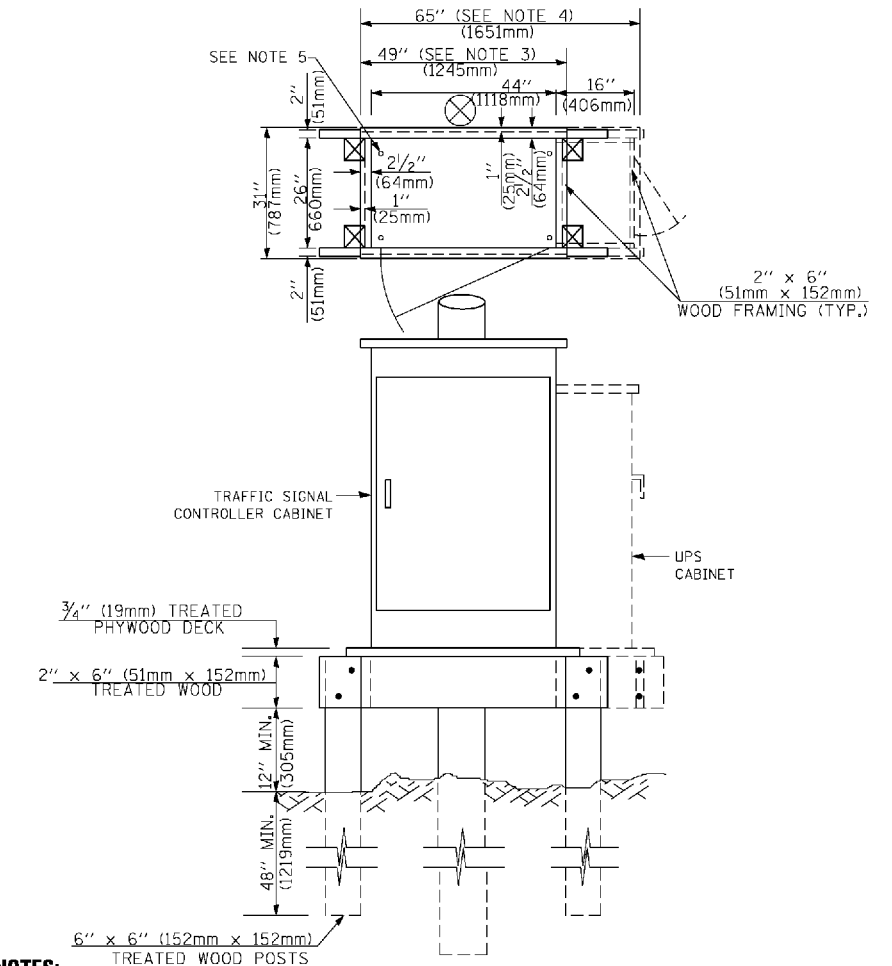
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



NOTES:

- 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.
- 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.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- 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.
- FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

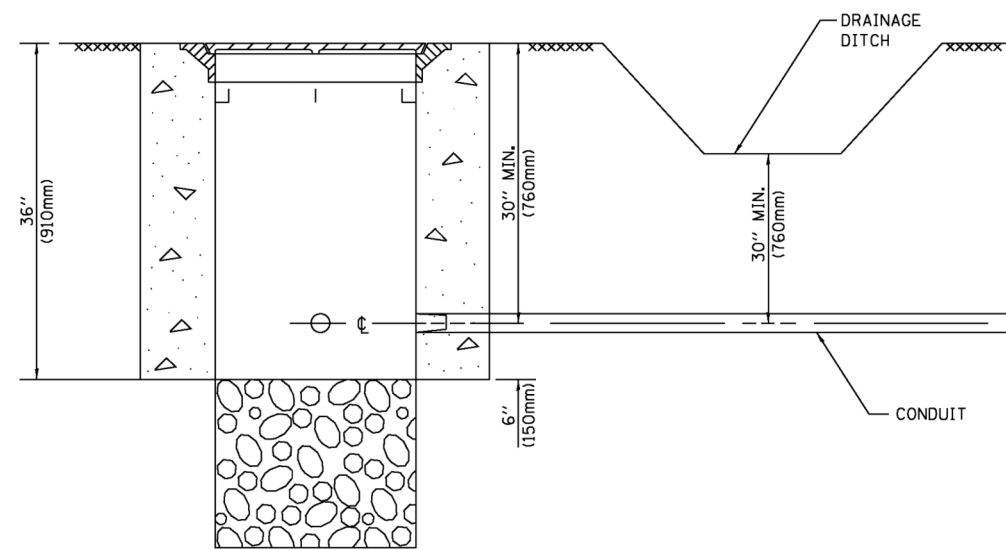
DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

- 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.
- Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
- For mast arm assemblies with dual arms refer to state standard 878001..

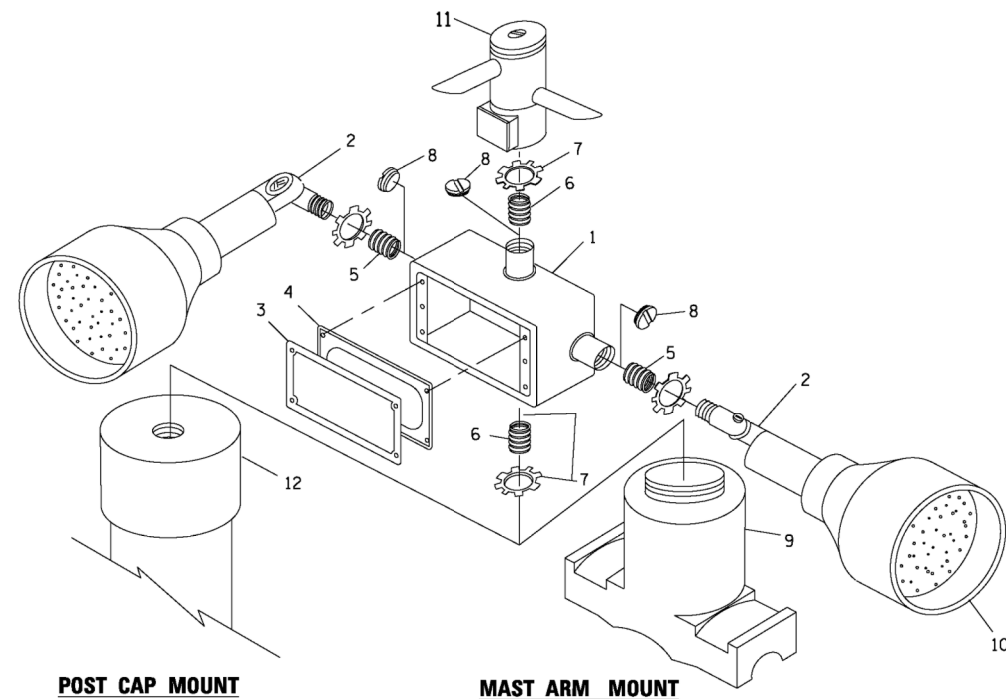
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



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.

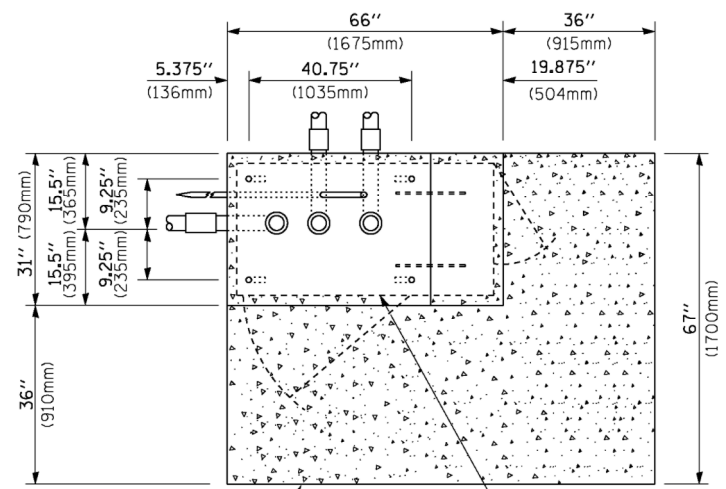
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



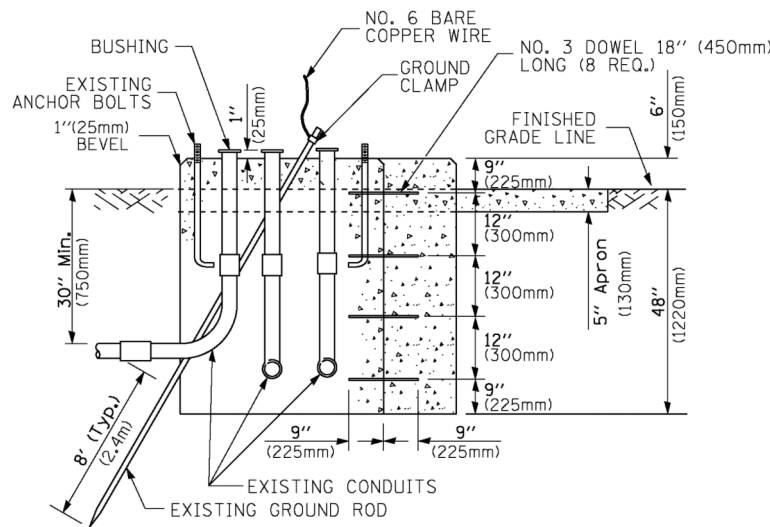
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

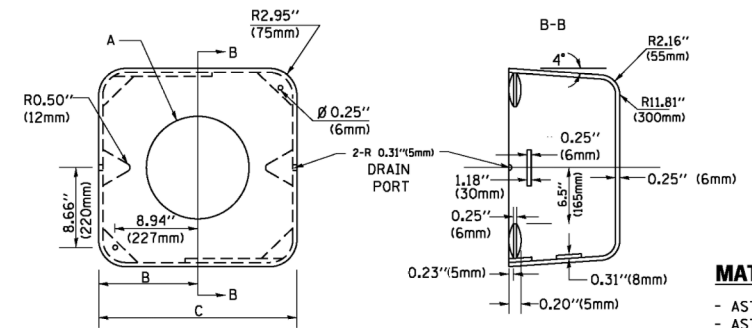


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. 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)

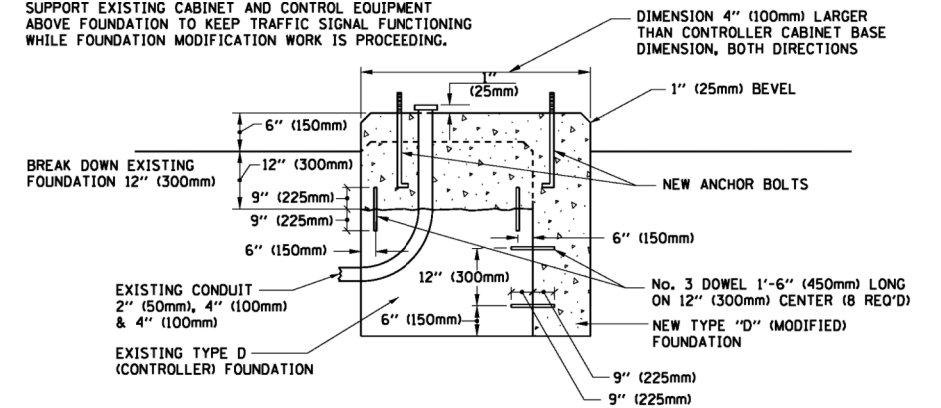
SHROUD

NOTES:

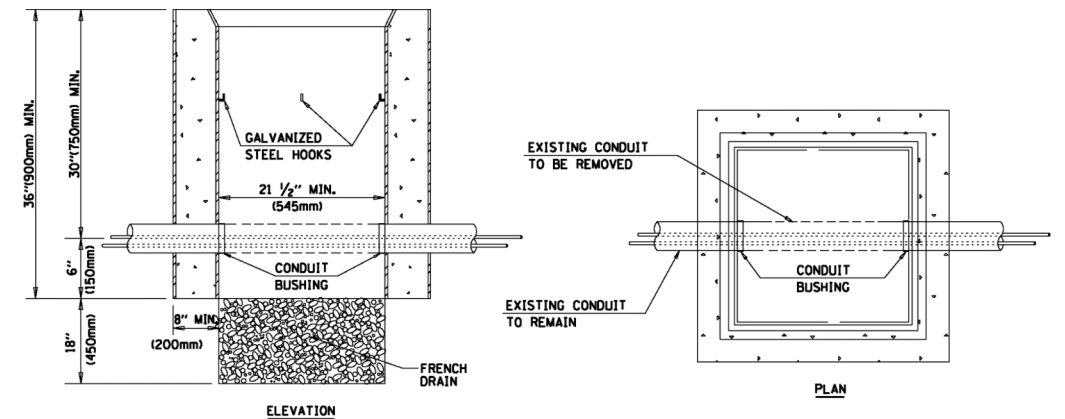
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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

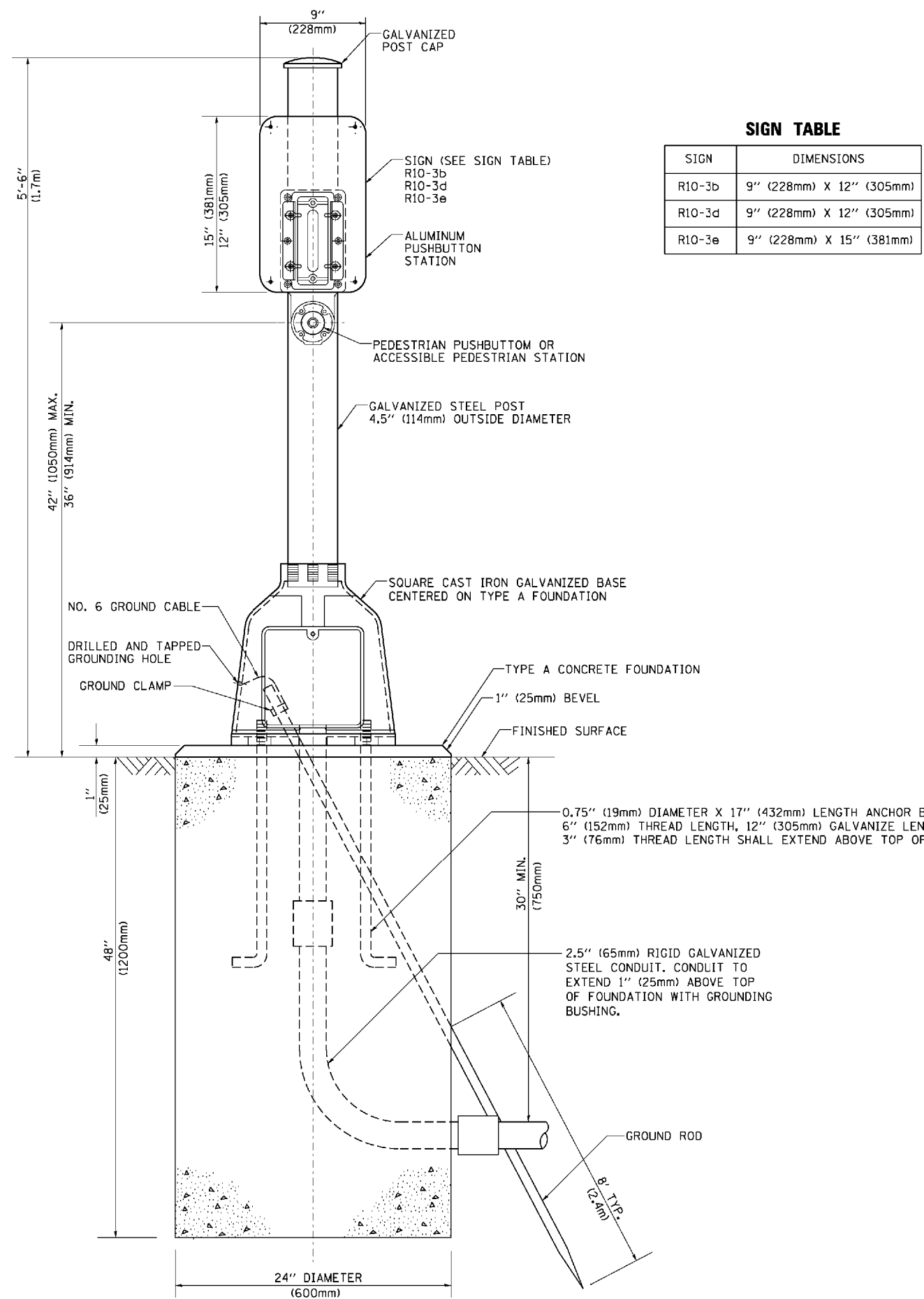
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	PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

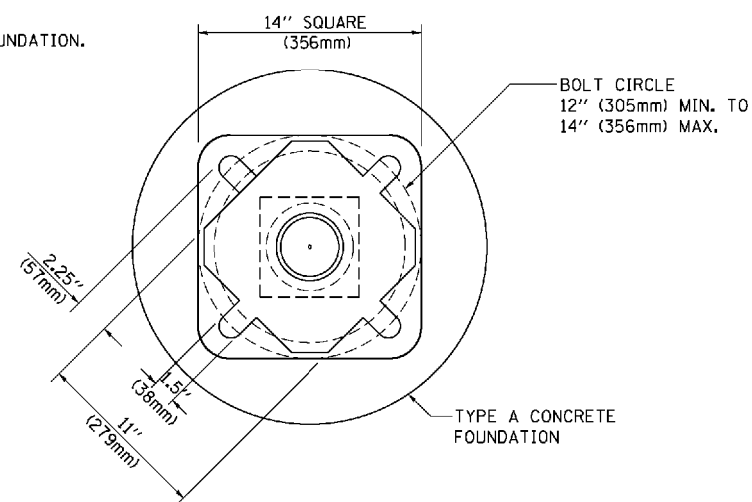
SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	24
	TS-05	CONTRACT NO.	61F02	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

FILE NAME =	USER NAME = faatemj	DESIGNED - DAG	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\pwwork\faatemj\00108315\ts05.dgn	DRAWN - GND	REVISOR -	2781			15-00054-00-TL	COOK	40	25	
PLOT SCALE = 50.0000' / in.	CHECKED - DAD	REVISOR -	TS-05			CONTRACT NO.	61F02			
PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISOR -	SCALE: NONE			SHEET NO. 7 OF 7 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

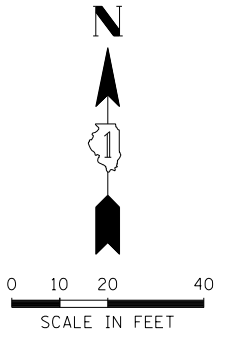
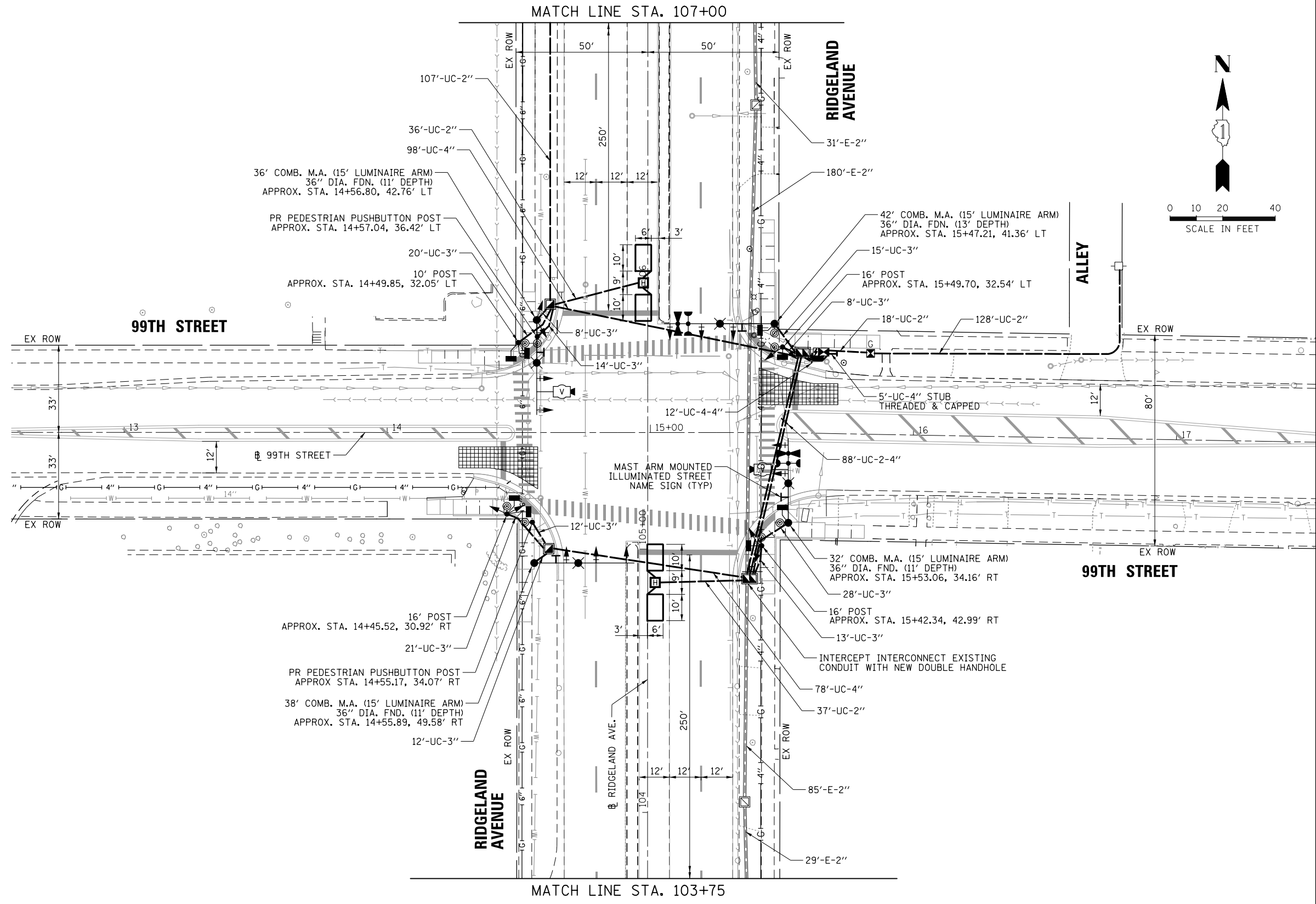
DATE	BY	DATE	BY
DATE	BY	DATE	BY
DATE	BY	DATE	BY

ENGINEERING LTD.
CHRISTOPHER B. BURKE
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (630) 922-5500

DATE	BY	DATE	BY
DATE	BY	DATE	BY
DATE	BY	DATE	BY

NOTES:

- 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.
- TWO CHANGEABLE MESSAGE SIGNS ON RIDGELAND AVENUE WILL NEED TO BE IN PLACE TWO WEEKS PRIOR AND TWO WEEKS AFTER THE TRAFFIC SIGNAL IS TURNED-ON. THIS IS REQUIRED FOR A NEW STOP CONDITION. MESSAGES SHALL BE APPROVED BY THE ENGINEER.
- THE MOUNTING LOCATIONS OF THE VIDEO DETECTION CAMERAS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
- THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT TRAFFIC SIGNAL SYSTEM.
- ALL PEDESTRIAN PUSH-BUTTON LOCATIONS SHALL MEET ADA/PROWAG REQUIREMENTS.
 - THE LOCATION OF THE PEDESTRIAN PUSHBUTTON MUST BE PARALLEL TO THE CROSSWALK.
- COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND SIDEWALK CONTRACTOR IS REQUIRED BEFORE THE SIDEWALK CONSTRUCTION. THE CONTRACTOR SHALL CONTACT CDDOTH AT 312-603-1730.
 - A PEDESTRIAN PUSHBUTTON EXTENSION MAY BE NEEDED FOR THE ACCESSIBILITY AND CORRECT ALIGNMENT OF PEDESTRIAN PUSHBUTTON. THE EXTENSION SHALL BE INCLUDED IN COST OF THE PAY ITEM "PEDESTRIAN PUSH-BUTTON"
 - THE CONTRACTOR SHALL INFORM THE CCHD DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCED NOTICE IS REQUIRED.
- THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT CCHD DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCED NOTICE IS REQUIRED.
- ALL MAST ARM MOUNTED SIGNAL HEADS ARE TO BE ATTACHED 2'-0" FROM THE END OF MAST ARM UNLESS OTHERWISE NOTED.
- ALL SIGNAL POSTS SHALL BE SET BACK 4 FEET MINIMUM AND ALL MAST ARM POLES SHALL BE SET BACK 6 FEET MINIMUM FROM THEIR CENTER TO THE BACK OF CURB UNLESS OTHERWISE NOTED. IN NON-CURBED AREAS THE MAST ARM POLE AND THE SIGNAL POST SHALL BE LOCATED A MINIMUM OF 10 FEET BEHIND THE EDGE OF PAVEMENT OR 2 FEET BEHIND THE EDGE OF THE SHOULDER, WHICHEVER DISTANCE IS GREATER.



FILE NAME =	USER NAME = fbariso	DESIGNED - TFS	REVISED -
N:\CHICAGO\RIDGELAND\00061.T0098\Traffic\22	TSD_Ridgeland\99th_01.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 48"	CHECKED - GMZ	REVISED -
	PLOT DATE = 7/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

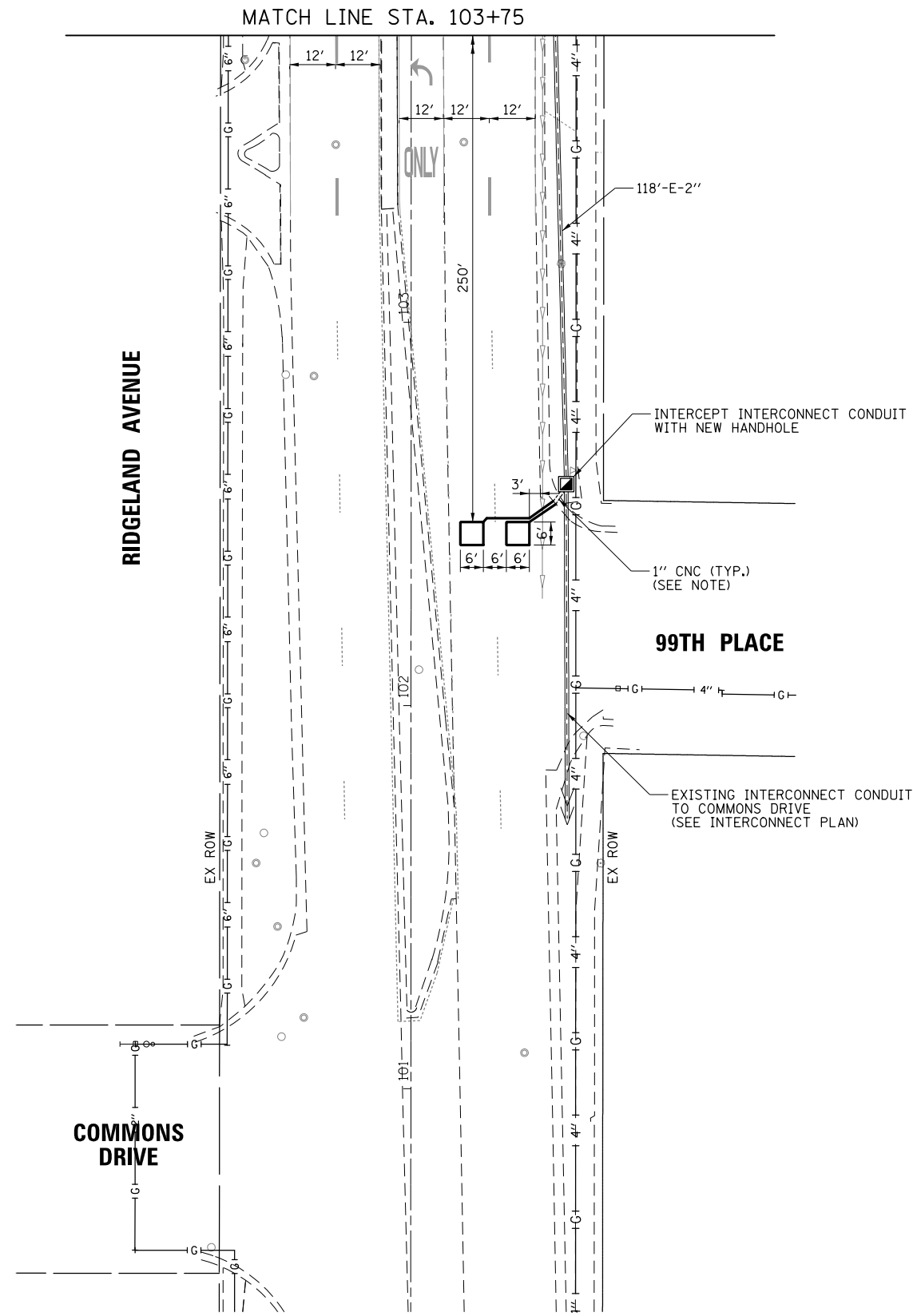
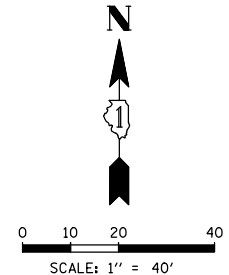
**TRAFFIC SIGNAL INSTALLATION PLAN
 99TH STREET AND RIDGELAND AVENUE**

SCALE: 1" = 40' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	26
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61F02	

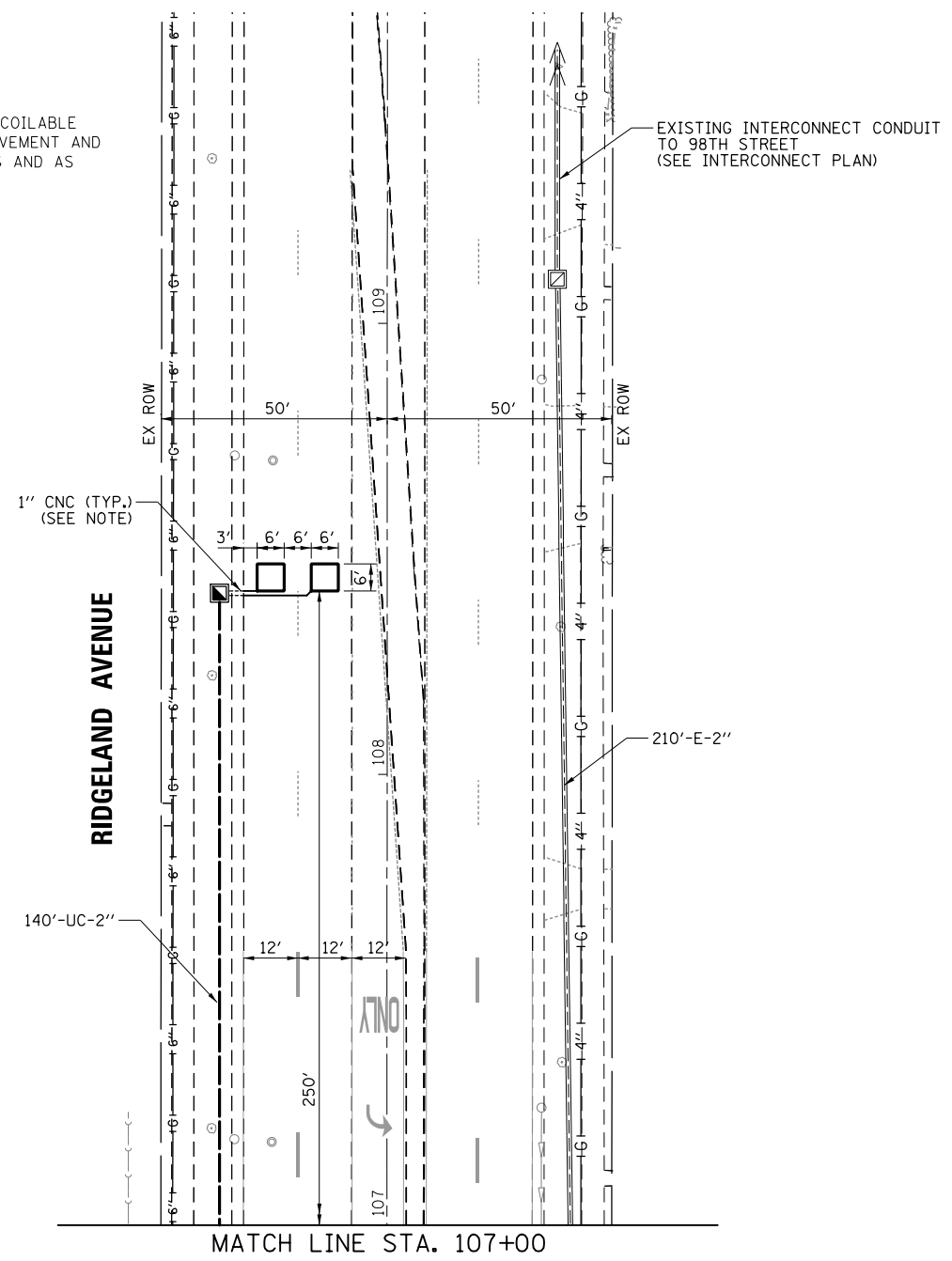
PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	BLM. NOTED	
	STRUCTURE NOTATIONS	
	CHKD	
PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNMENT CHECKED	BY
NO.	RT. OF WAY CHECKED	
	ADD. FILE NAME	

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 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (630) 922-5500



NOTE:

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.



FILE NAME =	USER NAME = fbariso	DESIGNED - TFS	REVISED -
N:\CHICAGO\RIDGE\900061\T0098\Traffic\23	TSD_Ridgeland\99th.02.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 48'	CHECKED - GMZ	REVISED -
	PLOT DATE = 7/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

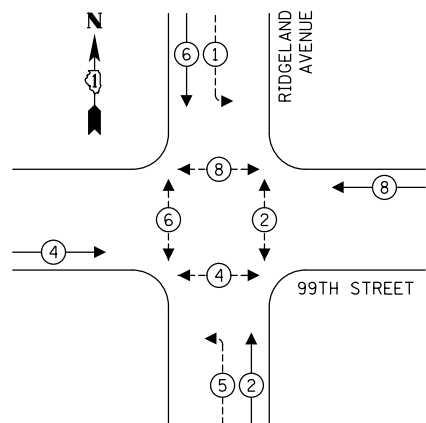
TRAFFIC SIGNAL INSTALLATION PLAN			
99TH STREET AND RIDGELAND AVENUE			
SCALE: 1" = 40'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	27
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 61F02

DATE: _____ BY: _____
 SURVEYED: _____ ALIGNED: _____
 PLAN: _____ RT. OF WAY CHECKED: _____
 NOTE BOOK NO.: _____ CAD FILE NAME: _____
CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5930
 DATE: _____ BY: _____
 SURVEYED: _____ GRADES CHECKED: _____
 PROFILE: _____ ELEM. NOTED: _____
 NOTE BOOK NO.: _____ STRUCTURE NOTATIONS: CWK

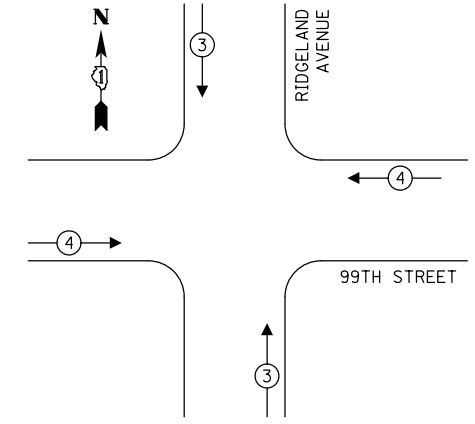
CONTROLLER SEQUENCE



LEGEND:

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE



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

LOCATION: 99TH STREET AND RIDGELAND AVENUE
 COOK COUNTY
 DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
 TRAFFIC SIGNAL INSTALLATION
 ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	WATTAGE	% OPERATION	TOTAL WATTAGE
CONTROLLER	1	100	1.00	100.00
VEHICLE DET.	6	5	1.00	30.00
PED. SIGNAL	8	25	1.00	200.00
SIGNAL (RED)	14	17	0.50	119.00
(YELLOW)	18	25	0.05	22.50
(GREEN)	18	15	0.45	121.50
(ARROW)	12	12	0.10	14.40
ILLUMINATED LED STREET NAME 'B'	4	144	0.40	230.40
VIDEO DET.	2	25	1.00	50.0
HEATER	1	200	0.30	60.00
LUMINAIRE	4	190	0.50	380.00
TOTAL =				1327.80

ENERGY COST TO:
 COOK COUNTY BUREAU OF ADMINISTRATION
 118 N. CLARK STREET, ROOM 801
 CHICAGO, IL 60602
 TOWER ACCOUNT NO. 8325141015
 SUPPLEMENT NO. 50155092

ENERGY COST SHARE:
 COOK COUNTY: 50%

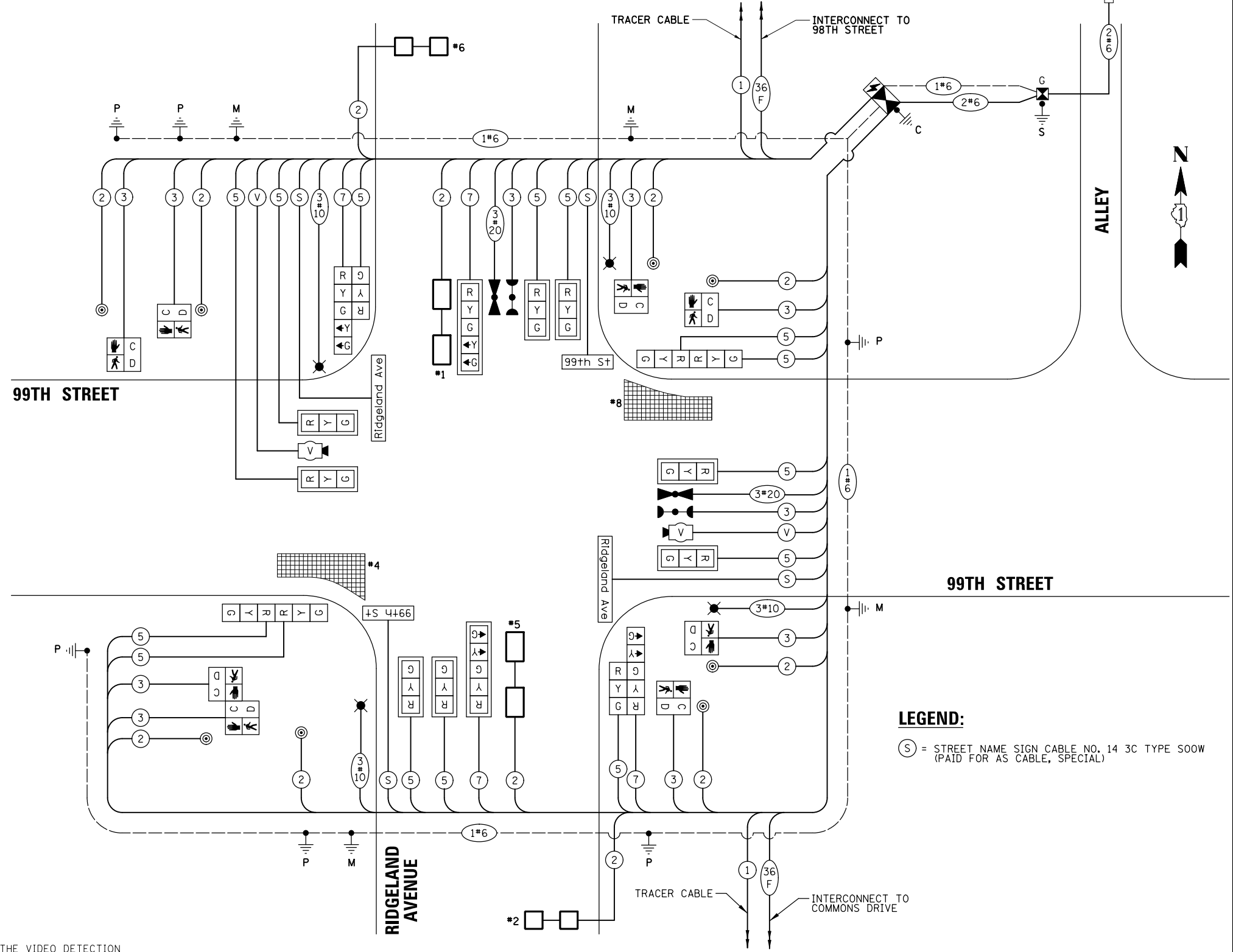
VILLAGE OF CHICAGO RIDGE
 5659 107TH ST. CHICAGO RIDGE, IL 60415
 TOWER ACCOUNT NO. 832514015
 EFFECTIVE DATE: TO BE DETERMINED

CHICAGO RIDGE: 50%

ENERGY SUPPLY CONTACT: REPRESENTATIVE: SHONNA HAYES
 PHONE: (708) 235-2337
 COMPANY: COMED

NOTES:

- THE MOUNTING LOCATIONS OF THE VIDEO DETECTION CAMERAS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
- THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT TRAFFIC SIGNAL SYSTEM.



CABLE PLAN
 (NOT TO SCALE)

FILE NAME = N:\CHICAGO RIDGE\900061.100\98\Tr aff fic\24 CAB_Ridgeland-99th.dgn
 USER NAME = fbariso
 DRAWN - FPB
 CHECKED - GMZ
 DATE -
 PLOT SCALE = 48"
 PLOT DATE = 7/19/2018

DESIGNED - TFS
 DRAWN - FPB
 CHECKED - GMZ
 DATE -
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

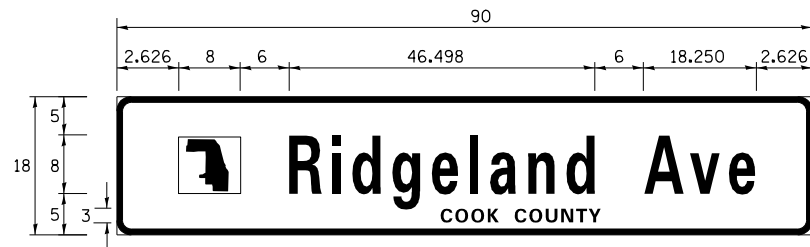
CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 99TH STREET AND RIDGELAND AVENUE
 SCALE: 1" = 40'
 SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	28
CONTRACT NO. 61F02				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

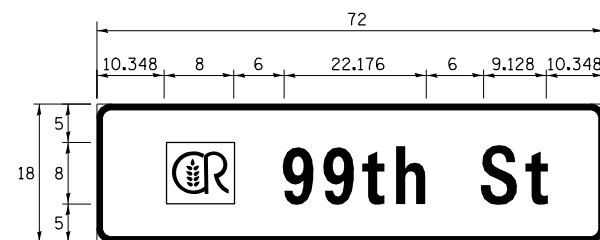
DATE	BY	SURVEYED	ALIGNED	CHECKED	DATE
PLAN	NOTE BOOK NO.	NO.	NO.	NO.	NO.
PROFILE	NOTE BOOK NO.	NO.	NO.	NO.	NO.
CHRISTOPHER B. BURKE ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (647) 923-5930					

SIGN PANEL – TYPE 1 OR TYPE 2

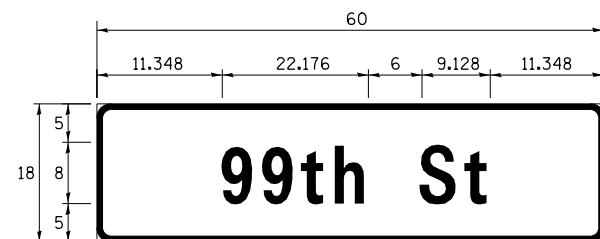
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



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



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.0	1	ZZ	1



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

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

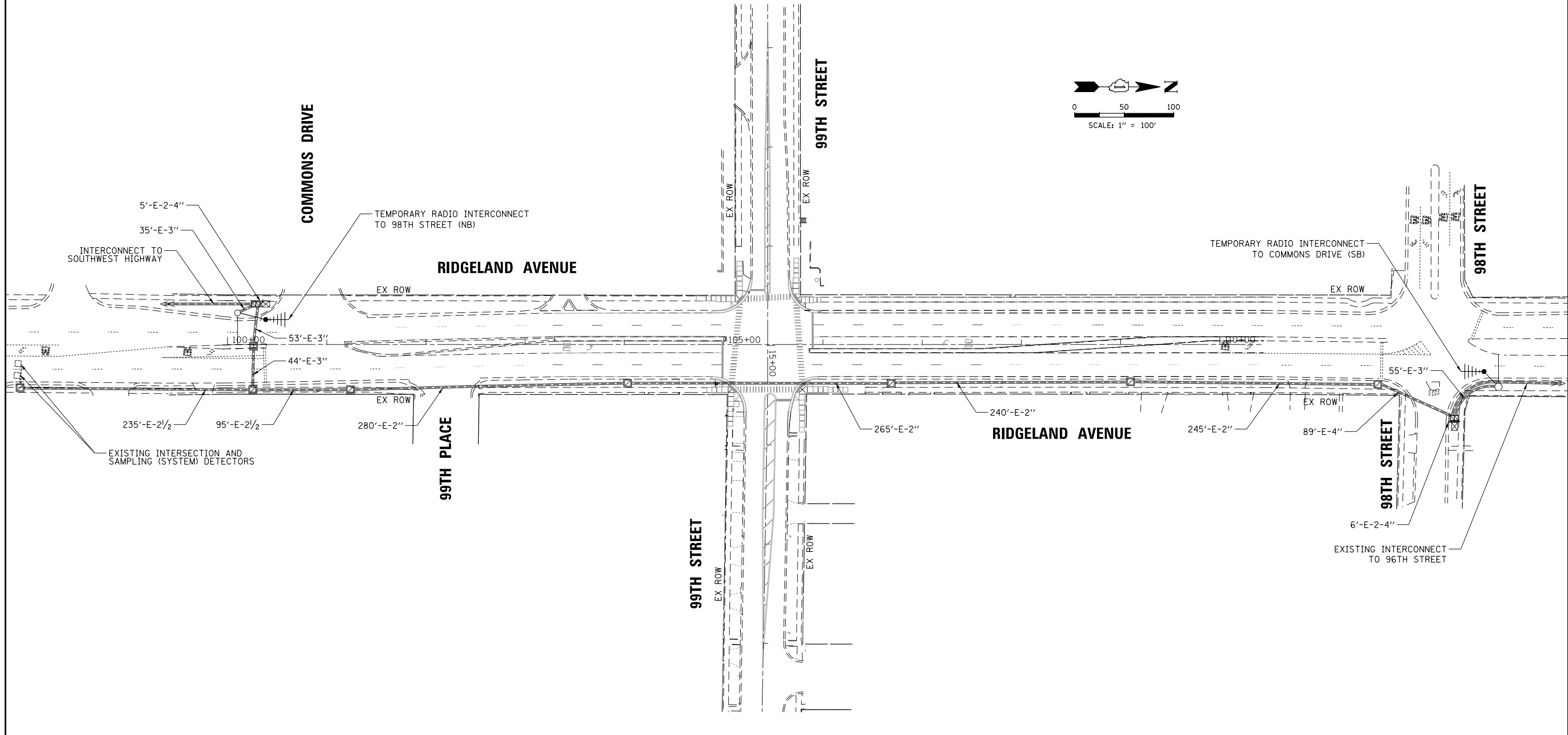
SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	326
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	135
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	400
HANDHOLE	EACH	3
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,235
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,612
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,487
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	718
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,114
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	187
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	969
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	28
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	46
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	4
DETECTOR LOOP, TYPE I	FOOT	273
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	306
VIDEO DETECTION SYSTEM	EACH	1
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	2

FILE NAME = N:\CHICAGO\RDG\900061.T00\98\TrAffic\25	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES AND MAST ARM MOUNTED STREET NAME SIGNS 99TH STREET AND RIDGELAND AVENUE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	STN_Ridgeland-99th.dgn	DRAWN - FPB	REVISED -			2781	15-00054-00-TL	COOK	40	29	
	PLOT SCALE = 48"	CHECKED - GMZ	REVISED -			CONTRACT NO. 61F02					
	PLOT DATE = 7/19/2018	DATE -	REVISED -			SCALE: 1" = 40'	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	BLM. NOTED	
	STRUCTURE NOTATIONS	
	CHKD	
PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNMENT CHECKED	
NO.	RT. OF WAY CHECKED	
	ADD. FILE NAME	

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 (630) 923-9500



ECON 130

FILE NAME =	USER NAME = fbariso	DESIGNED - TFS	REVISED -
N:\CHICAGO\RIDGELAND\900061\Trafic\26	TMP-INT_Ridgeland-99th.dgn	DRAWN - FPB	REVISED -
	PLOT SCALE = 100'	CHECKED - GMZ	REVISED -
	PLOT DATE = 7/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

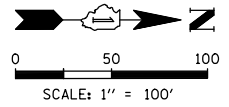
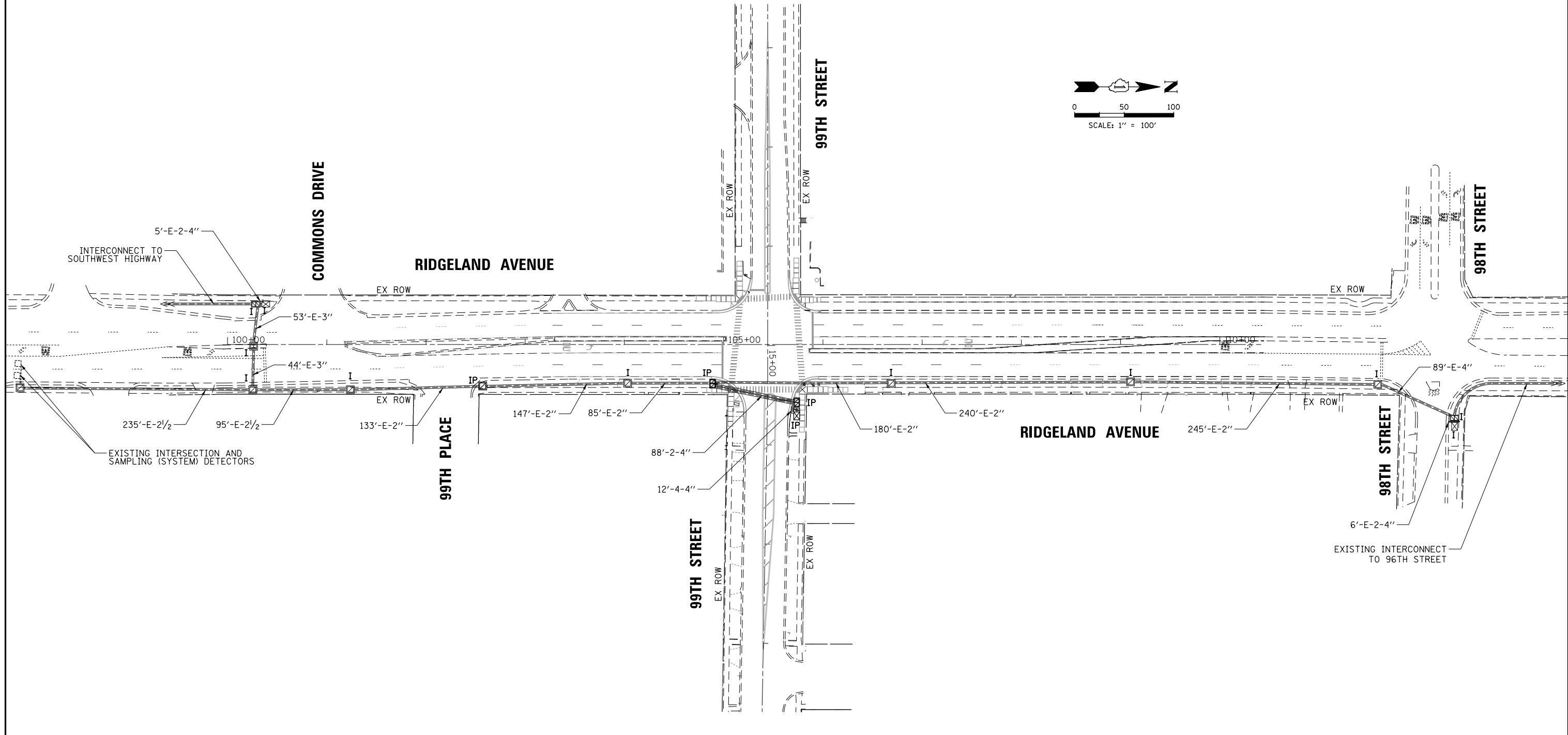
**TEMPORARY INTERCONNECT PLAN
 RIDGELAND AVENUE FROM COMMONS DRIVE TO 98TH STREET**

SCALE: 1" = 100' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	30
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61F02		

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
NOTE BOOK	NO.	DATE
	NO.	DATE
PLAN	SURVEYED	DATE
	ALIGNED	DATE
NOTE BOOK	NO.	DATE
	NO.	DATE

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ECON 130

FILE NAME =	USER NAME = fbariso	DESIGNED - TFS	REVISED -
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		CHECKED - GMZ	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

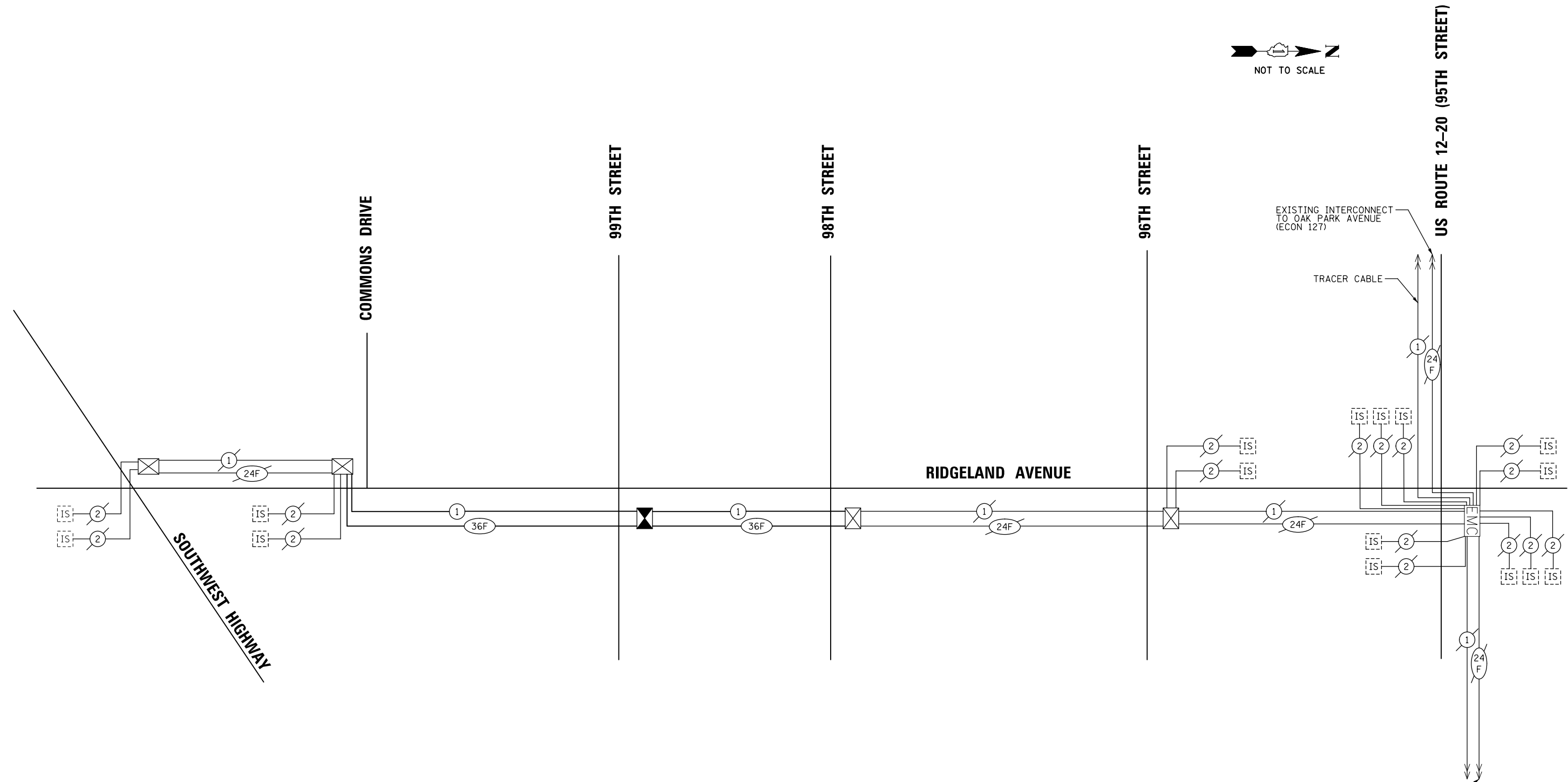
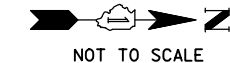
**INTERCONNECT PLAN
 RIDGELAND AVENUE FROM COMMONS DRIVE TO 98TH STREET**

SCALE: 1" = 100' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F02	

DATE	BY	SURVEYED	PLAN
		ALIGNED	NOTE BOOK
		CHECKED	NO.
		RT. OF WAY CHECKED	
		ADD. FILE NAME	
DATE	BY	SURVEYED	PROFILE
		GRADES CHECKED	NO.
		BLM. NOTED	
		STRUCTURE NOTATIONS CHECKED	

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 Rosemont, Illinois 60018
 (647) 822-5500



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,644
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,266
* ROD AND CLEAN EXISTING CONDUIT	FOOT	500
TEMPORARY WIRELESS INTERCONNECT, COMPLETE	L SUM	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1,715
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

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

ECON 130

FILE NAME =	USER NAME = fbariso	DESIGNED - TFS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT SCHEMATIC DIAGRAM RIDGELAND AVENUE FROM SOUTHWEST HIGHWAY TO 95TH STREET			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
N:\CHICAGORIDGE\900061\0098\Traffic\29\INT-SCH_Ridgeland-99th.dgn		DRAWN - FPB	REVISED -		SCALE: 1" = N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO	STA.	2781	15-00054-00-TL	COOK	40	33
		CHECKED - GMZ	REVISED -								CONTRACT NO. 61F02					
		DATE -	REVISED -								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

LIGHTING NOTES

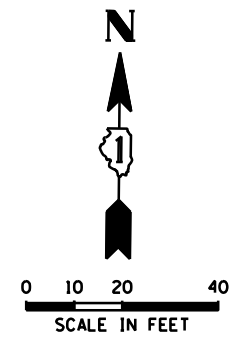
1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", AS PREPARED BY IDOT.
 - B. "THE NATIONAL ELECTRICAL CODE".
 - C. MUNICIPAL CODES & STANDARDS.
3. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED.
4. 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 1-800-892-0123.
5. THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLTION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GROUND	FOOT	670
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	490
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1
REMOVAL OF POLE FOUNDATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2,680
LUMINAIRE, LED, HORIZONTAL MOUNT, TYPE C	EACH	4
CONDUIT SPLICE	EACH	1
COMBINATION LIGHTING CONTROLLER	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	7

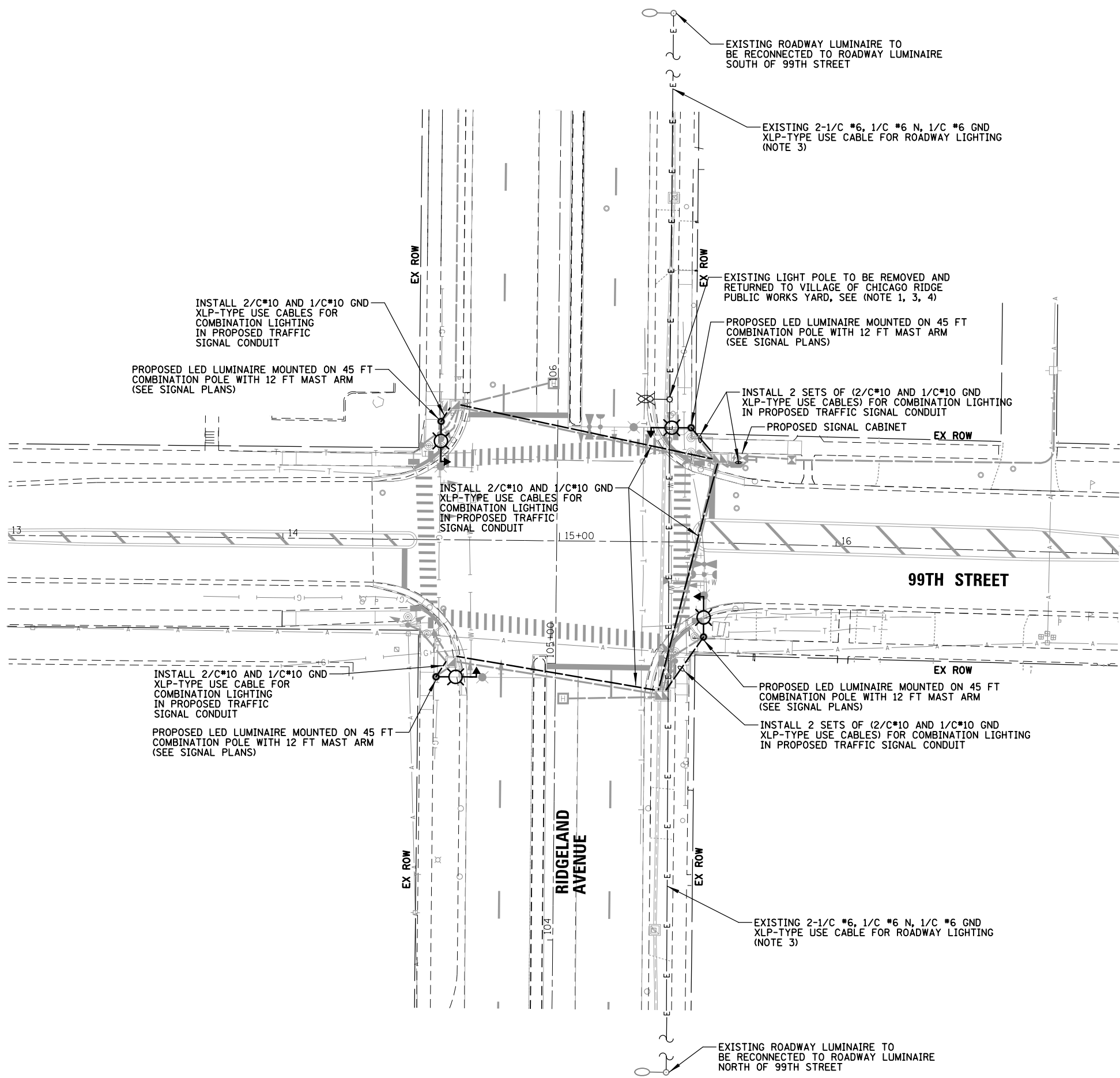
PROFILE	PLAN	BY	DATE
SURVEYED _____ GRADES CHECKED _____ E.L.M. NOTED _____ STRUCTURE NOTATIONS OK/NO	NO. _____ NOTE BOOK _____	_____	_____
CHRISTOPHER B. BURKE ENGINEERING LTD. 3575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (647) 923-5500			
			
PROFILE	PLAN	BY	DATE
SURVEYED _____ GRADES CHECKED _____ E.L.M. NOTED _____ STRUCTURE NOTATIONS OK/NO	NO. _____ NOTE BOOK _____	_____	_____

FILE NAME =	USER NAME = fbariso	DESIGNED - AJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING GENERAL NOTES & BILL OF MATERIALS CHICAGO RIDGE RIDGELAND AVE /99TH ST	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\CHICAGORIDGE\900061.10098\Mech\NOT_90610098_01.sht		DRAWN - RJJ	REVISED -			2781	15-00054-00-TL	COOK	40	34	
PLOT SCALE = 2'		CHECKED - AJD	REVISED -			CONTRACT NO. 61F02					
PLOT DATE = 7/19/2018		DATE -	REVISED -			SCALE: 1" = 2'	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



LEGEND

-
-
-
-



- NOTES:**
1. PROPOSED COMBINATION LIGHTING SHALL BE INSTALLED & FUNCTIONAL BEFORE EXISTING LIGHTING IS REMOVED. THE ROADWAY LIGHTING SHALL BE FUNCTIONAL EVERY NIGHT FROM DUSK TO DAWN.
 2. NEW COMBINATION LUMINAIRES SHALL BE LED WITH LUMINAIRE SAFETY CABLE.
 3. CONTRACTOR SHALL REMOVE EXISTING CABLE FROM CONDUIT AND DISPOSE OF. CONTRACTOR SHALL CUT AND COUPLE CONDUITS TOGETHER WITH LISTED COUPLER. NEW 2/C *6, 1/C *6 N, 1/C *6 GND XLP-TYPE USE CABLES FROM ADJACENT POLES TO NORTH AND SOUTH SHALL BE INSTALLED AND RECONNECTED TO SAME CKTS AS EXISTING.
 4. CONTRACTOR SHALL REMOVE EXISTING CONCRETE FOUNDATION AND DISPOSE OF.

DATE	BY	DATE	BY
DATE	BY	DATE	BY

CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 922-5938

PLAN NO. _____
 SURVEYED _____
 ALIGNED _____
 RT. OF WAY CHECKED _____
 ADD. FILE NAME _____

PROFILE NO. _____
 SURVEYED _____
 GRADES CHECKED _____
 E.M. NOTED _____
 STRUCTURE NOTATIONS OKWD _____

FILE NAME =	USER NAME = fbariso	DESIGNED - AJD	REVISED -
N:\CHICAGO\RIDGE\900061.T0098\Mech\LT_9061T0098_01.sht		DRAWN - RJJ	REVISED -
		CHECKED - AJD	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

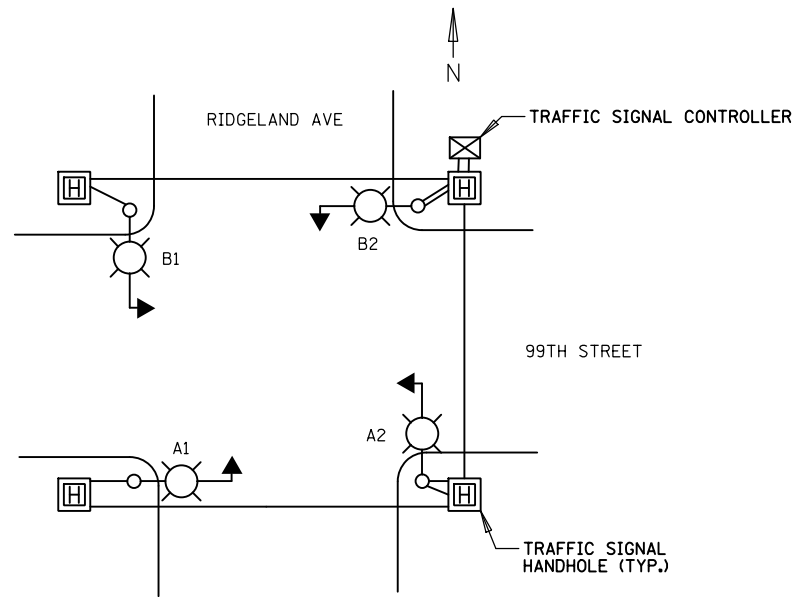
PROPOSED LIGHTING PLAN			
CHICAGO RIDGE RIDGELAND AVE /99TH ST			
SCALE: 1" = 40'	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	35
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 61F02

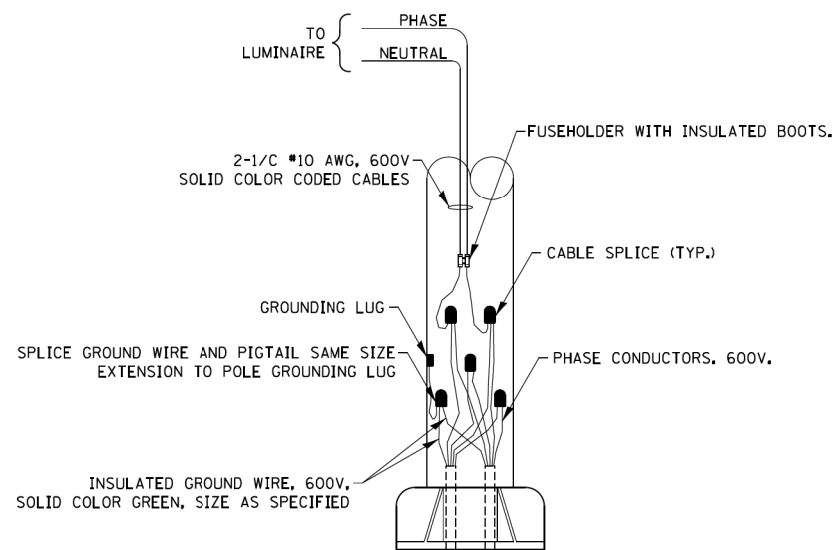
DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY CHECKED	ADD. FILE NAME
DATE	BY	PLAN	NOTE BOOK	NO.		
DATE	BY	PROFILE	NOTE BOOK	NO.		
DATE	BY	GRADES CHECKED	BLM. NOTED	STRUCTURE NOTATIONS	CHKD	

ENGINEERING LTD.
CHRISTOPHER B. BURKE
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5938



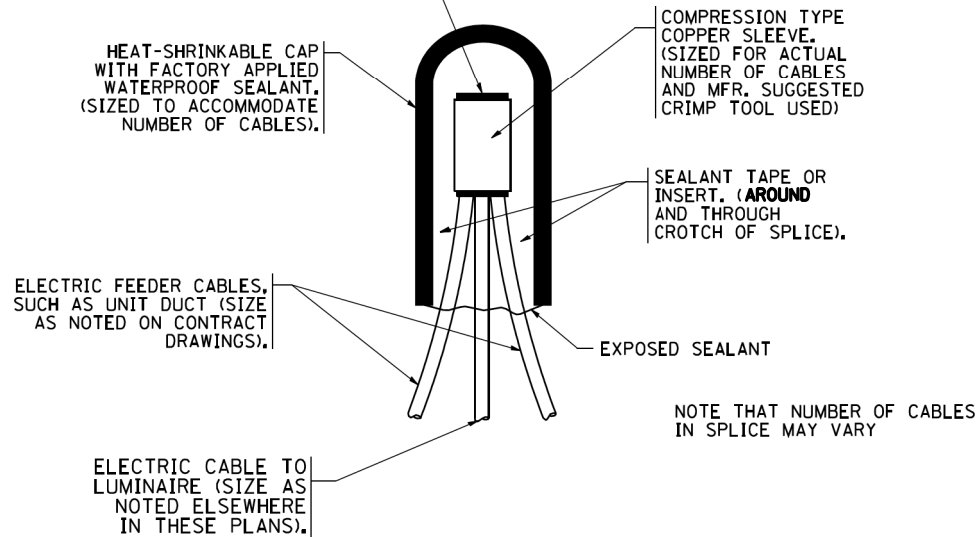
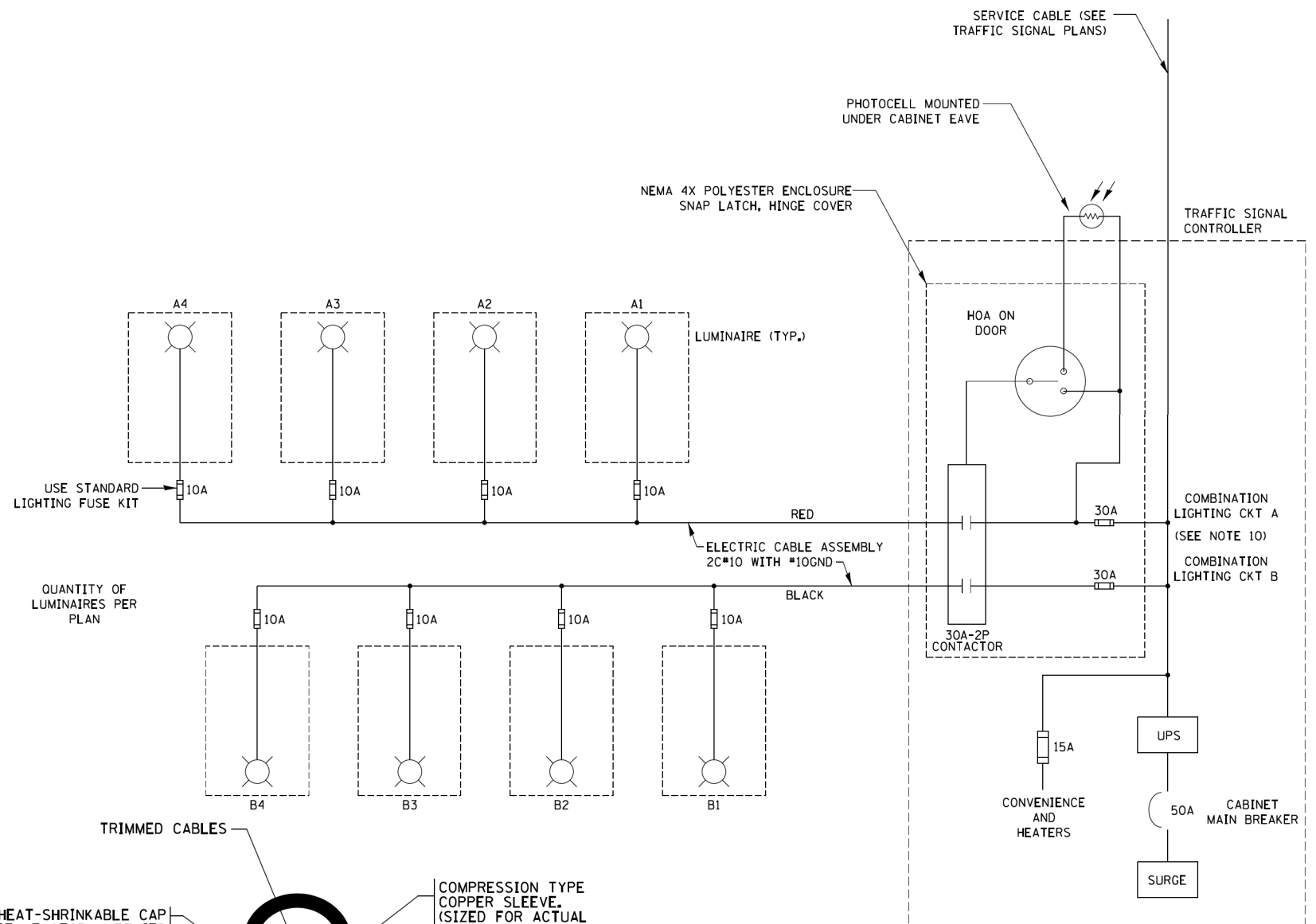
TYPICAL LIGHTING CIRCUIT DESIGNATIONS

(NOT TO SCALE)



COMBINATION POLE WIRING DETAIL

(NOT TO SCALE)



TYPICAL SPLICE DETAIL

N.T.S.

NOTES:

- 4 LUMINAIRE PER CIRCUIT, MAXIMUM.
- MULTI-CONDUCTOR CABLE ASSEMBLY FOR LIGHTING CIRCUITS.
- ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
- ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
- ALL CONTROLLERS TO HAVE TWO FUSED LIGHTING BRANCH CIRCUITS.
- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
- LIGHTING CONTROLLER DESIGNATION SHALL BE CONFIRMED WITH THE ENGINEER.
- RECORD DRAWING SHALL INCLUDE:
 - TRAFFIC SIGNAL PLAN SHEET(S)
 - TRAFFIC SIGNAL CABLE PLAN SHEET(S)
 - LIGHTING PLAN
 - THIS DETAIL
- THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
- LIGHTING CONNECTED TO UPS BYPASS CIRCUIT

COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC

N.T.S.

FILE NAME =	USER NAME = fbariso	DESIGNED - AJD	REVISED -
N:\CHICAGORIDGE\900061.10098\Mech\LD1_906110098_01.sht		DRAWN - RJJ	REVISED -
		CHECKED - AJD	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

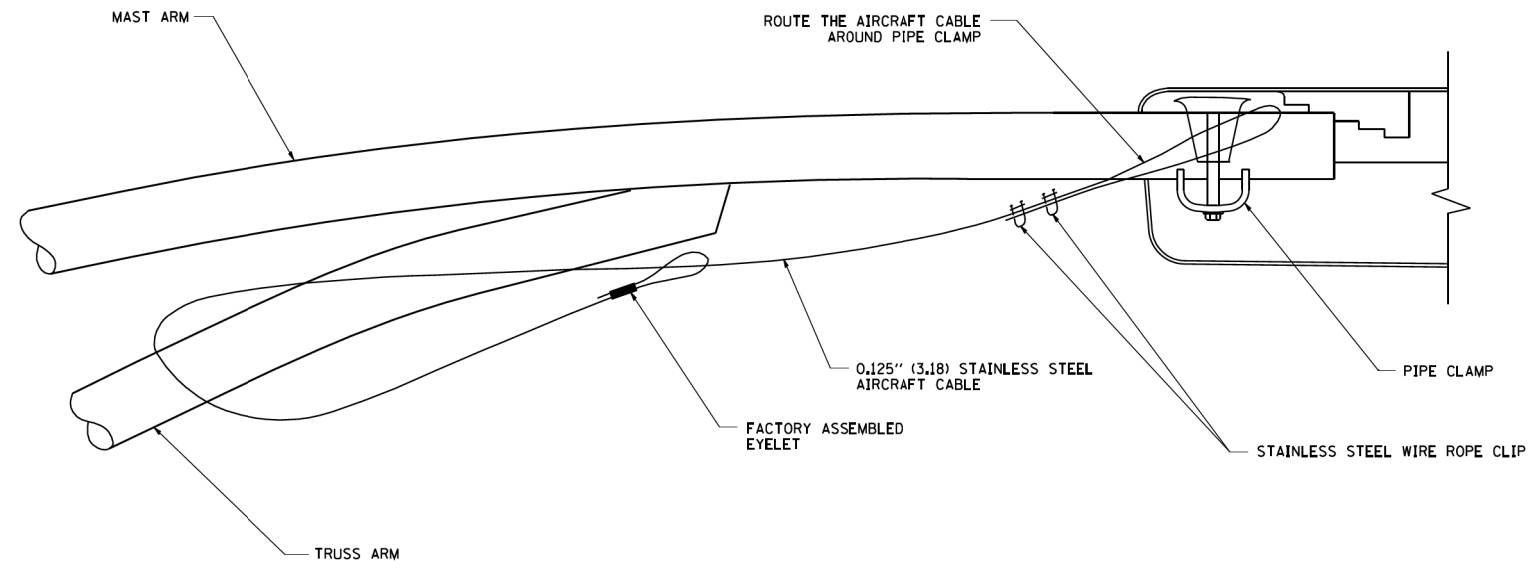
LIGHTING DETAILS (1 OF 2)			
CHICAGO RIDGE RIDGELAND AVE /99TH ST			
SCALE: 1" = 2'	SHEET NO. 1 OF 3 SHEETS	STA. N/A	TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	36
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

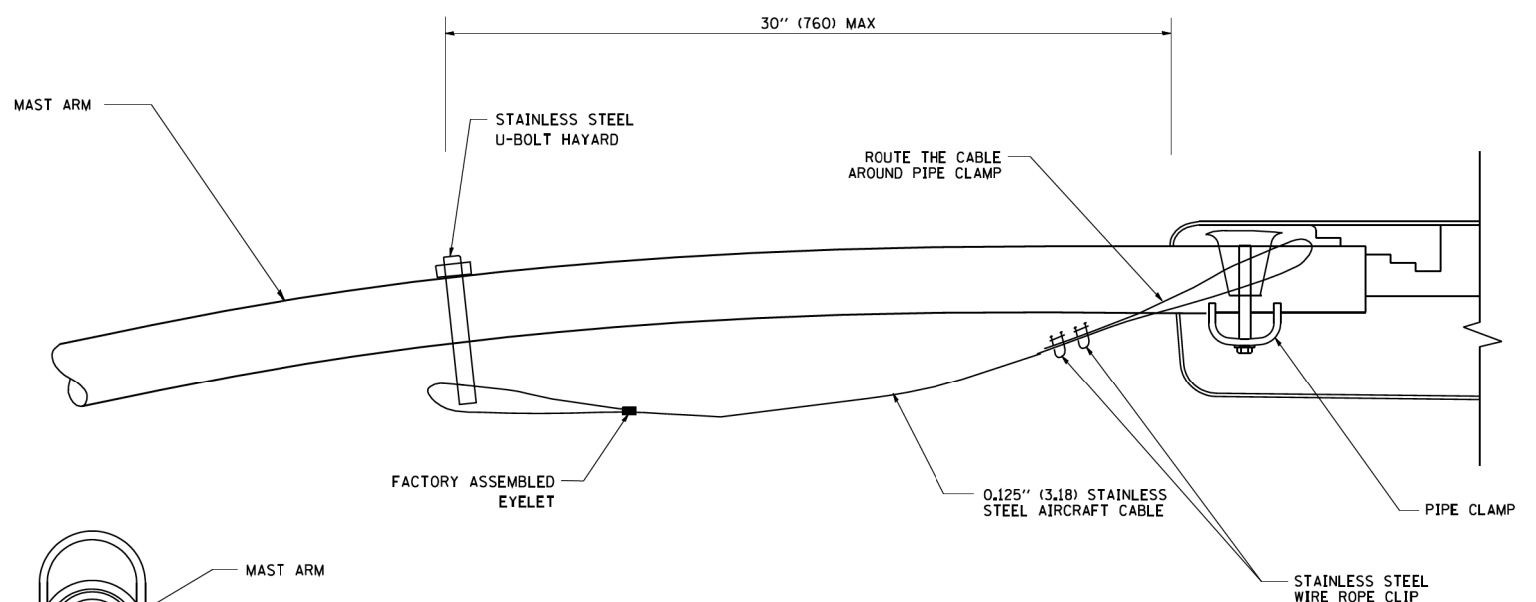
CONTRACT NO. 61F02

DATE	BY	SURVEYED	ALIGNED	CHECKED	RT. OF WAY CHECKED	ADD. FILE NAME
DATE	BY	GRADES CHECKED	BLM. NOTED	STRUCTURE NOTATIONS OK'D		
DATE	BY	PLANNING	DESIGN	CHECKED		
DATE	BY	CONSTRUCTION				

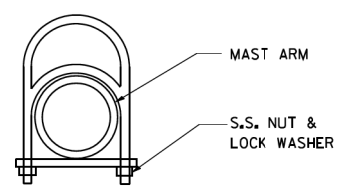
CHRISTOPHER B. BURKE ENGINEERING LTD.
 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-5503



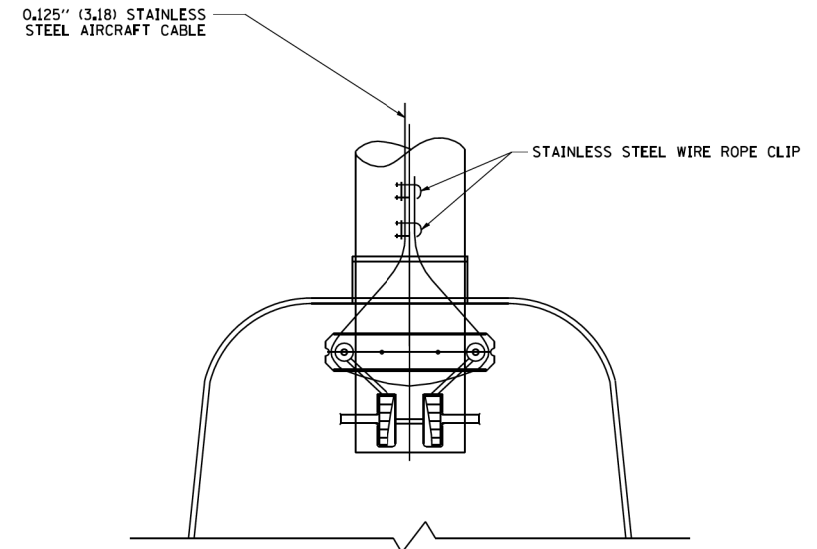
SIDE VIEW (TRUSS ARM)
N.T.S.



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



STAINLESS STEEL U-BOLT HAYARD



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.

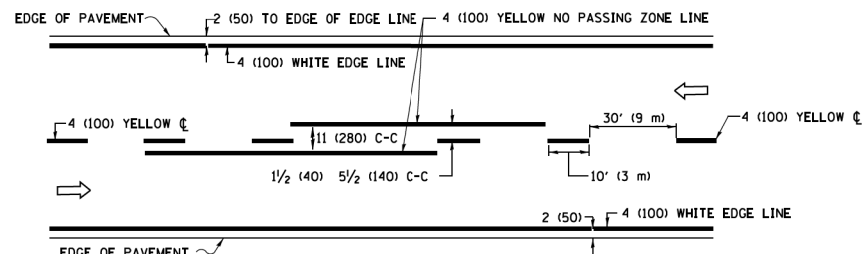
LUMINAIRE SAFETY CABLE

N.T.S.

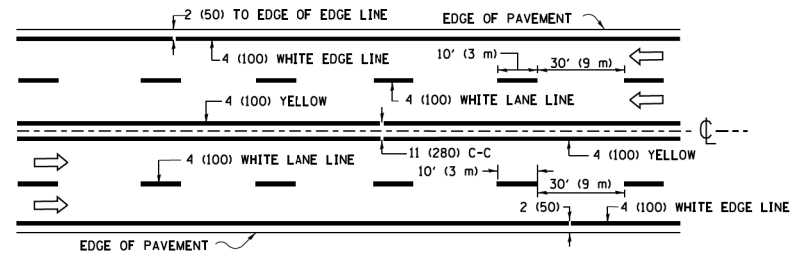
IDOT STANDARD BE-701

(REV 8-8-03)

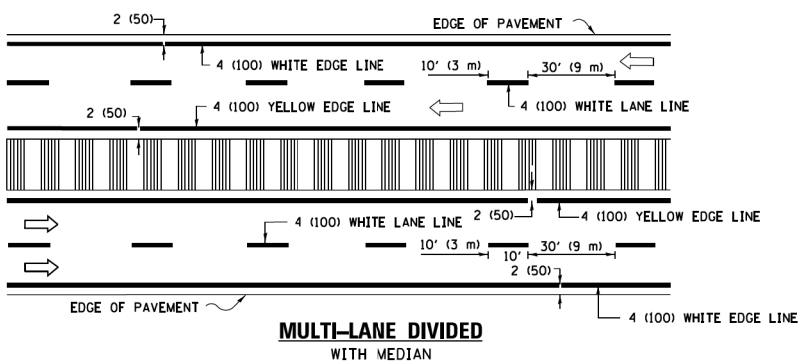
FILE NAME = N:\CHICAGORIDGE\900061.T0098\Mech\LDI_9610098_02.sht	USER NAME = fbariso	DESIGNED - AJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING DETAILS (2 OF 2) CHICAGO RIDGE RIDGELAND AVE /99TH ST		F.A.U. RTE. 2781	SECTION 15-00054-00-TL	COUNTY COOK	TOTAL SHEETS 40	SHEET NO. 37	
PLT. SCALE = 2"	CHECKED - AJD	DATE -	REVISED -		SCALE: 1" = 2'	SHEET NO. 2 OF 3 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 61F02			
PLT. DATE = 7/19/2018	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



2-LANE ROADWAY

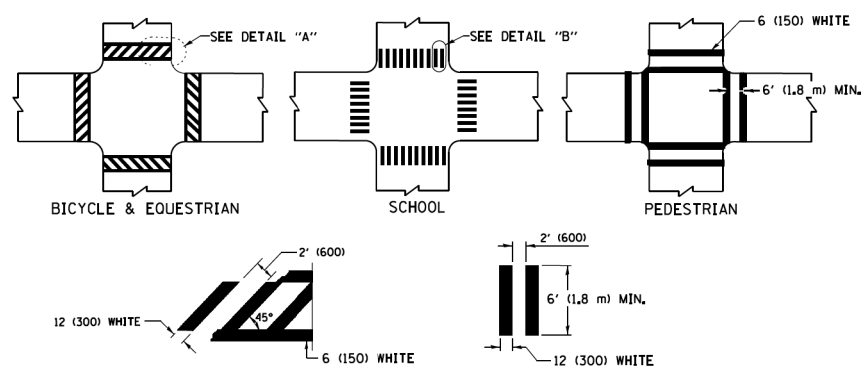


MULTI-LANE UNDIVIDED



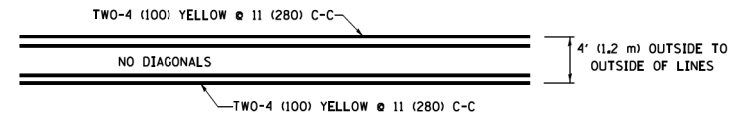
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

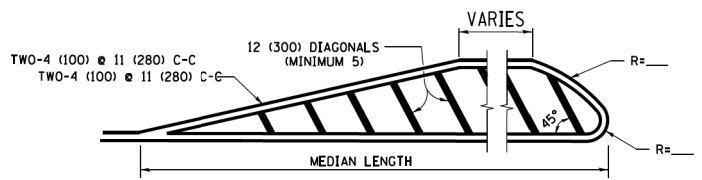


TYPICAL CROSSWALK MARKING

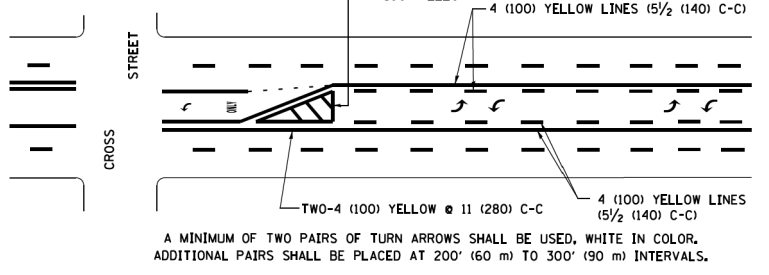
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



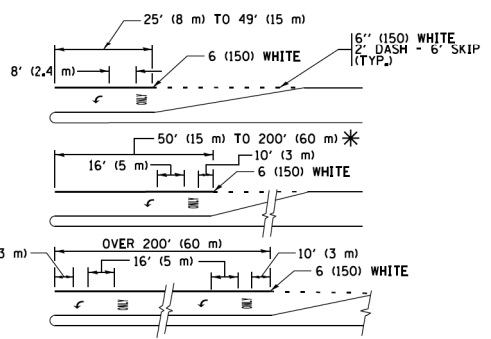
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



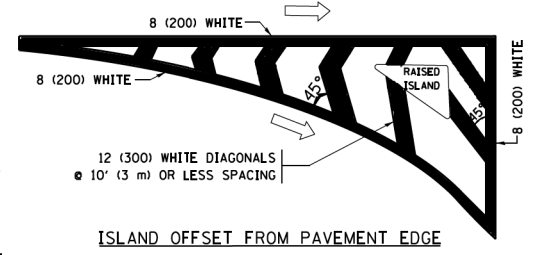
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



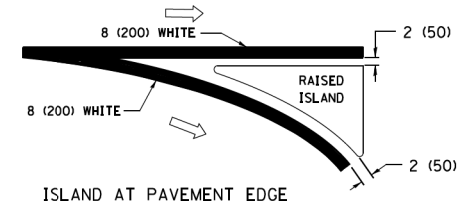
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

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

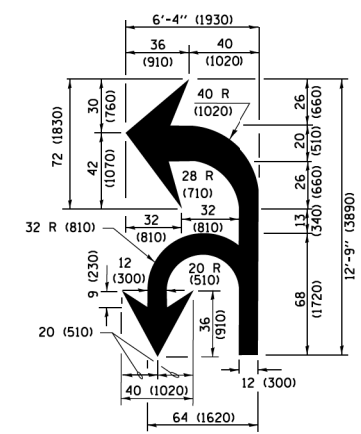
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



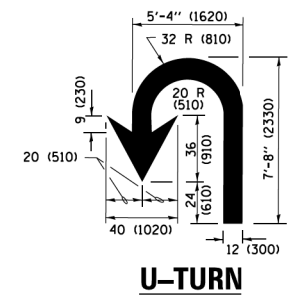
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS; 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

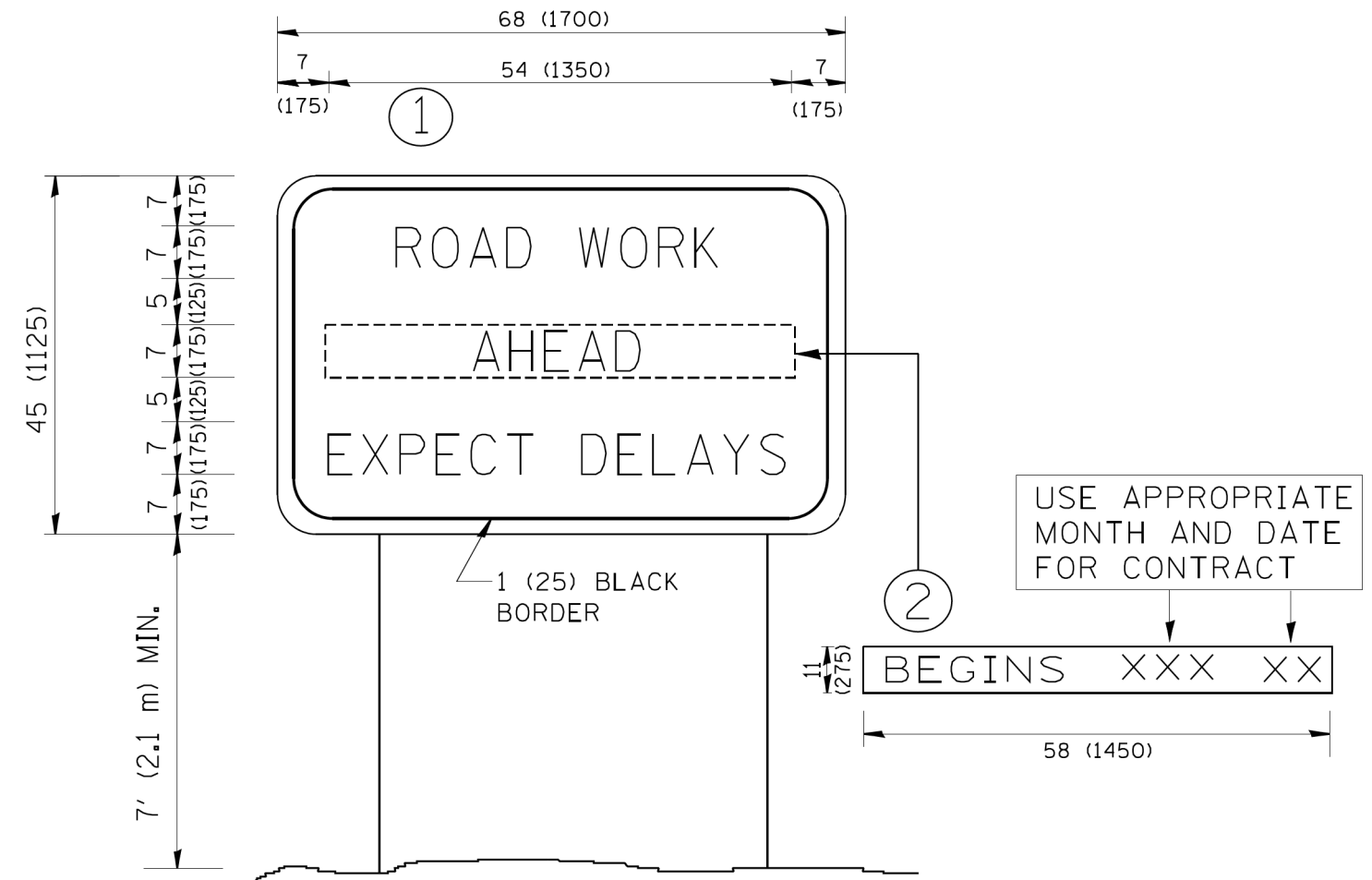
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Default	PLOT SCALE = 50.000' / 1" =	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$rte	\$section	\$county	40	38
TC-13		CONTRACT NO.	\$CNO	
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.

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = geglanoht	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

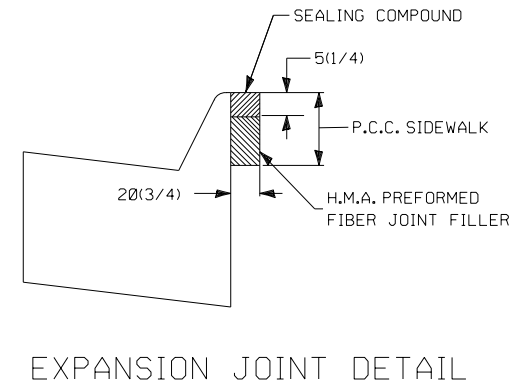
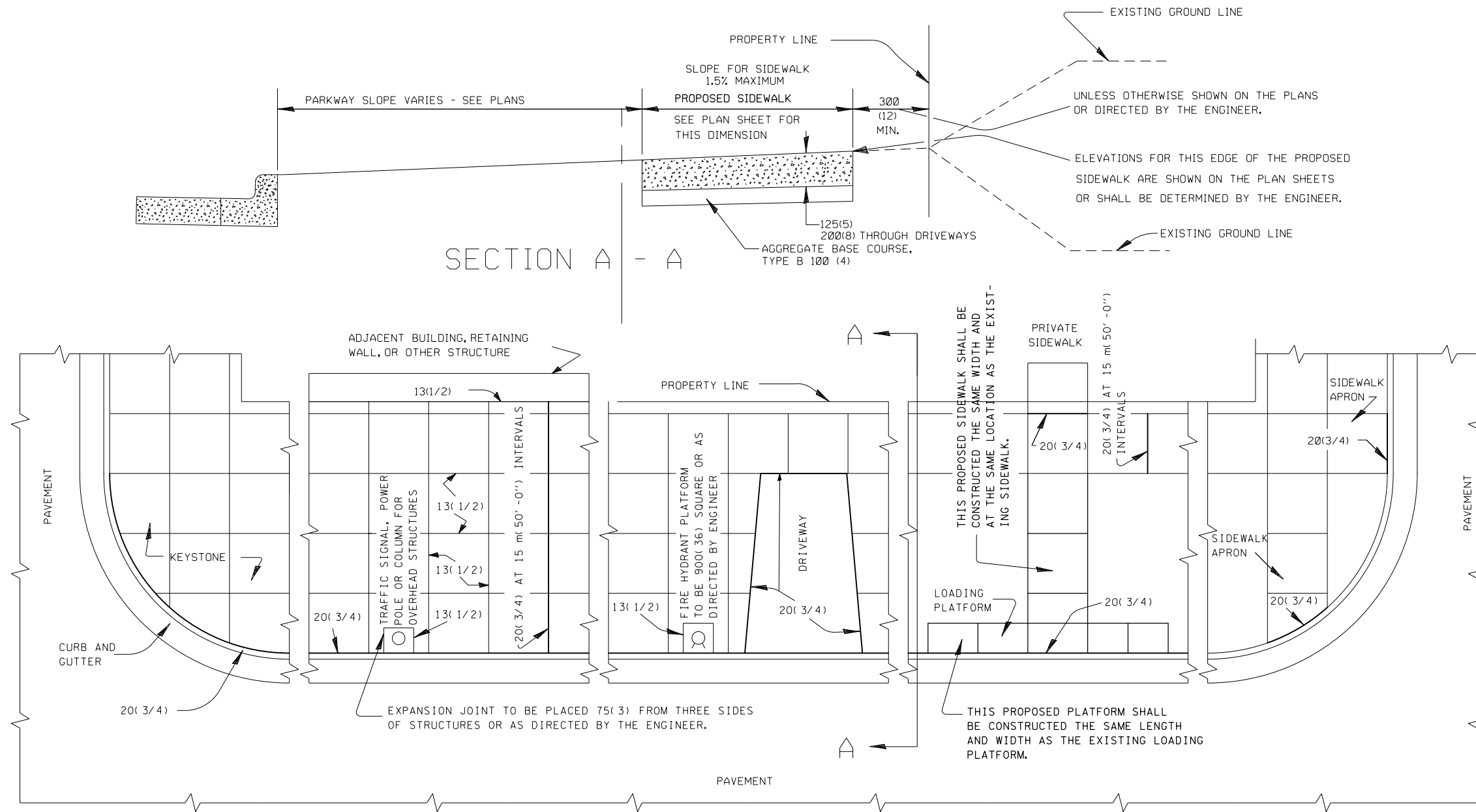
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$rte	\$section	\$county	40	39
TC-22		CONTRACT NO.	\$CNO	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROFILE SURVEYED BY DATE
 NOTE BOOK NO. _____
 GRADES CHECKED BY _____
 E.L.M. NOTED BY _____
 STRUCTURE NOTATIONS OKWD

PLAN SURVEYED BY DATE
 NOTE BOOK NO. _____
 ALIGNMENT CHECKED BY _____
 RT. OF WAY CHECKED BY _____
 CAD FILE NAME _____

CHRISTOPHER B. BURKE ENGINEERING LTD.
 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (647) 923-9500



NOTES:
 ALL DIMENSIONS ARE MILLIMETERS (INCHES)
 UNLESS OTHERWISE SHOWN.

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 Meter (foot) for P.C. Concrete Sidewalk of the thickness specified.

FILE NAME =	USER NAME = fbariso	DESIGNED - TFS	REVISED -
N:\CHICAGO\RDG\900061\10098\Traffic\36	CC00TH STANDARD C-9 PCC SIDEWALK (EXPANSION	DRAWN - DETAIL.DGN.FPB	REVISED -
	PLOT SCALE = 12'	CHECKED - GMZ	REVISED -
	PLOT DATE = 7/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PCC SIDEWALK CONSTRUCTION (EXPANSION JOINTS) DETAIL

SCALE: 1" = 12' SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	15-00054-00-TL	COOK	40	40
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F02	