

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 1332 (E. OAKTON STREET) LOWELL AVENUE TO HAMLIN AVENUE STREETScape AND STREET LIGHTING

SECTION: 14-00300-00-SW PROJECT: TE-00D1(983)

VILLAGE OF SKOKIE COOK COUNTY

C-91-050-15

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	1
TE-00D1(983)		ILLINOIS	CONTRACT NO. 61B03	

TRAFFIC DATA
E. OAKTON STREET
 2010 ADT = 19,300
 POSTED SPEED = 30 MPH
 FUNCTIONAL CLASSIFICATION = URBAN MAJOR COLLECTOR

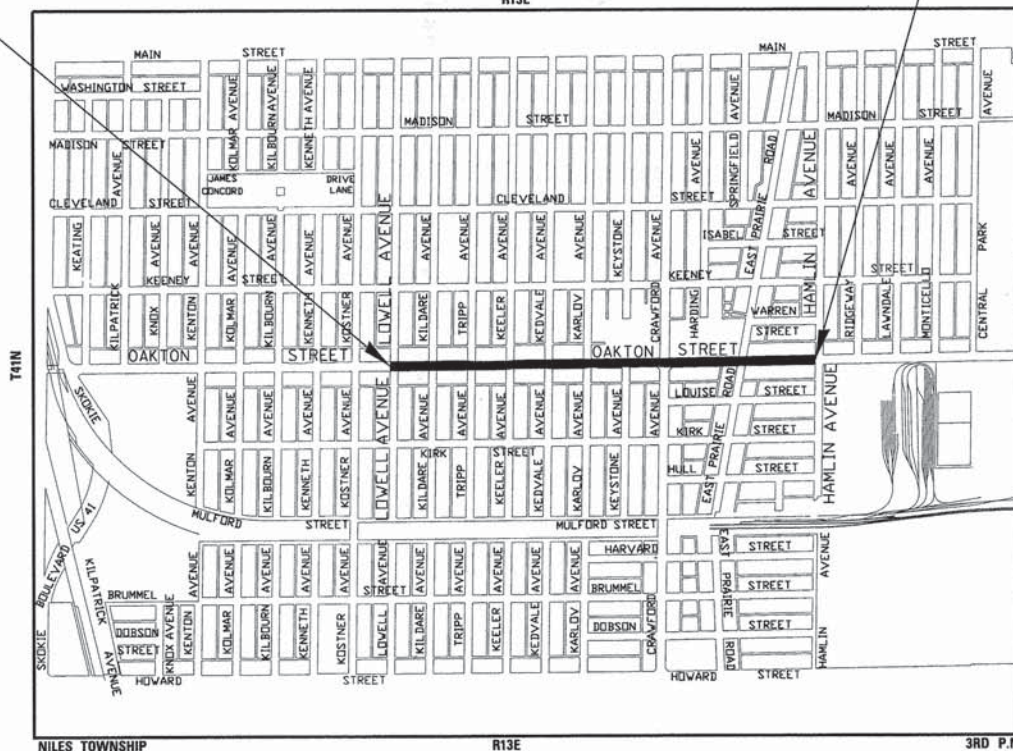


LOCATION OF SECTION INDICATED THUS: —

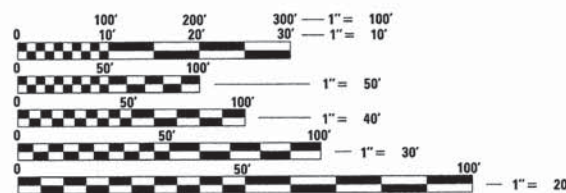
FAU ROUTE 1332
(E. OAKTON STREET)
BEGIN IMPROVMENTS
STA 37 + 94

FAU ROUTE 1332
(E. OAKTON STREET)
END IMPROVMENTS
STA 73 + 73

LOCATION MAP
R13E



GROSS LENGTH = 3,579 FT. = 0.678 MILE
NET LENGTH = 3,579 FT. = 0.678 MILE



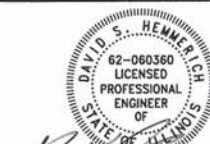
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E. DESIGN STAGE REQUEST
DIG. No. A1970339



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
 COUNTY = COOK
 CITY-TWN SHP. = SKOKIE-NILES
 SEC. & 1/4 SEC. NO. = 22 SE 1/4, 23 SW 1/4, 27 NE 1/4 AND 26 NW 1/4
 48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61B03



PROJECT MANAGER
"LICENSE EXPIRES 11-30-2015"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED *12/12/2014*
Frederick S. Schattner
VILLAGE OF SKOKIE

PASSED *DECEMBER 30, 2014*
C. Holt
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW *DECEMBER 30, 2014*
J. Kitten
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

B&W PROJECT NO.: 130988 DATE: 12-8-14

230448 PM 2/7/2014 PROGRAM AND OFFICE ENGINEER: FAWAAD AQHEEL, P.E. (847)705-4021 SCHAUUMBURG, IL

TRAFFIC CONTROL NOTES

1. SIDEWALK AND DRIVEWAY REMOVAL AND INSTALLATION SHALL BE LIMITED TO WORK ON ONE SIDE OF THE STREET IN EACH DIRECTION AND THREE BLOCKS AT A TIME TO MINIMIZE CONGESTION, OR AS APPROVED BY THE ENGINEER.
2. ALL STREETS SHALL ALL BE MAINTAINED AS DETERMINED BY THE ENGINEER.
3. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
4. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED.
5. LANE CLOSURES ON OAKTON STREET SHALL BE LIMITED TO THE HOURS OF 9AM TO 3PM AND A MAXIMUM OF ONE LANE IN EACH DIRECTION. ALL LANE CLOSURES SHALL FOLLOW ALL APPLICABLE HIGHWAY STANDARDS AND BE APPROVED BY THE ENGINEER.
6. TYPE I BARRICADES AND VERTICAL PANELS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS AND SHALL BE PLACED AT 50' MAXIMUM INTERVALS ALONG THE PROPOSED WORK ZONE AND MAXIMUM 25' WITHIN TAPERED SECTIONS OR AS DETERMINED BY THE ENGINEER.
7. AT LEAST 48 HOUR NOTICE SHALL BE PROVIDED TO THE COOK COUNTY PERMIT DIVISION, MR. MICHAEL STERR (312) 603-1670 BEFORE BEGINNING WORK.
8. IT IS THE INTENT OF THIS CONTRACT THAT MAINTENANCE OF TRAFFIC (MOT) FOLLOW ALL APPLICABLE IDOT HIGHWAY STANDARDS. ANY MOT PLANS THAT DIFFER FROM HIGHWAY STANDARDS SHALL BE SUBMITTED TO THE COOK COUNTY PERMIT DIVISION FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION.
9. THE CONTRACTOR SHALL COORDINATE THE WORK WITH COOK COUNTY PROJECT ON CRAWFORD AVENUE-DEVON AVENUE TO OAKTON STREET.

HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 424001-08 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424006-02 DIAGONAL CURB RAMPS FOR SIDEWALKS
- 424011-02 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701101-04 OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORE TIME OPERATIONS
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701606-10 URBAN SINGLE LANE CLOSURE, MULTILANE, 2W/ WITH MOUNTABLE MEDIUM
- 701701-09 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-04 TRAFFIC CONTROL DEVICES
- 720006-04 SIGN PANEL ERECTION DETAILS
- 814001-03 HANDHOLES
- 814006-02 DOUBLE HANDHOLES

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32B	EXISTING TRAFFIC SIGNAL CABLE PLAN AND CONTROLLER SEQUENCE (REFERENCE ONLY)

COMMITMENTS

WORK ON THIS CONTRACT SHALL NOT BEGIN PRIOR TO APRIL 1, 2015.

BENCHMARKS

- BM #1 ARROW BOLT @ NORTHWEST CORNER OF TRIPP AVENUE AND OAKTON STREET. EL = 607.01
- BM #8 SK329 LOCATED @ THE NORTHEAST CORNER OF OAKTON STREET AND KEELER AVENUE. EL = 602.95
- BM #9 SK332 LOCATED AT THE NORTHWEST CORNER OF OAKTON STREET AND CRAWFORD AVENUE. EL = 601.81
- BM #10 SK338 LOCATED AT THE NORTHWEST CORNER OF OAKTON STREET AND HAMLIN AVENUE. EL = 597.84
- BM #15 WEST BOLT ON TOP OF FIRE HYDRANT AT SOUTHWEST CORNER OF KILDARE AVENUE AND OAKTON STREET. EL = 608.14

TREE LEGEND

SHADE TREES

- KC TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 3" CALIPER, BALLED AND BURLAPPED
- TCH TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED
- DR TREE, METASEQUOIA GLYPTOSTROBILDES (DAWN REDWOOD), 2-1/2" CALIPER, BALLED AND BURLAPPED
- SWO TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED AND BURLAPPED
- PSG TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 3" CALIPER, BALLED AND BURLAPPED
- TE TREE, ULMUS MORTON GLOSSY (TRIUMPH ELM), 3" CALIPER, BALLED AND BURLAPPED

UPRIGHT TREES

- RPO TREE, QUERCUS WAREI REGAL PRINCE, (REGAL PRINCE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
- STM TREE, ACER MIYABEI MORTON (STATE STREET MIYABE MAPLE), 3" CALIPER, BALLED AND BURLAPPED
- CBC TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 3" CALIPER, BALLED AND BURLAPPED

LOW-GROW TREES

- ACA TREE, MALUS ADIRONDACK (ADIRONDACK CRAB APPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- TM TREE, ACER TATARICUM (TATARIAN MAPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED

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 LICENSE NO. - 084-00121 - EXPIRES 4/30/2015
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 ...\\CADD\Plot\130988-B&W.rvt
 I:\Crystal Lake\SKOK\130988-E Oakton Streetscape\CADD\130988_GenNotes.dgn



DESIGNED - DSH	REVISED - 12-8-14 PER IDOT
DRAWN - LKB	REVISED - 12-23-14 PER CDDTH
CHECKED - DSH	REVISED -
DATE - 10-15-14	FILE - 130988_GenNotes.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX TO SHEETS, HIGHWAY STANDARDS,
TRAFFIC CONTROL NOTES, BENCHMARKS
TREE LEGEND AND COMMITMENTS

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	2
				CONTRACT NO. 61B03
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0011983				

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
2. THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY OR SPRINKLER SYSTEM THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
4. THE CONTRACTOR SHALL NOTIFY THE VILLAGE DIRECTOR OF PUBLIC WORKS (MAX SLANKARD 847-933-8272) AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
5. THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE OF SKOKIE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY.
6. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS, BUSINESSES, AND THE ENGINEER WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE ENGINEER TO RESIDENTS. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED. COMMERCIAL DRIVEWAY CLOSURE SHALL BE APPROVED BY THE ENGINEER AND AS SHOWN ON THE PLANS.
7. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNERS, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
8. ACCESS TO COMMERCIAL DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL AS TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
9. ANY SIGNS THAT ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND REPLACED AS NEAR AS POSSIBLE TO THEIR ORIGINAL LOCATION IN ACCORDANCE WITH VILLAGE STANDARDS AND ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. ALL SIGN PLACEMENT SHALL BE COORDINATED WITH THE ENGINEER.
10. EXISTING PAVEMENT, DRIVEWAY PAVEMENT, CURB AND GUTTER AND SIDEWALK TO REMAIN IN PLACE SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING AND SHALL BE INCLUDED IN THE PRICE OF THE APPROPRIATE REMOVAL PAY ITEM.
11. IN AREAS WHERE THE EXISTING DRIVEWAY OR CURB AND GUTTER IS TO BE REMOVED AND REPLACED, THE REMOVAL AND DISPOSAL OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED DRIVEWAY OR CURB AND GUTTER SUBGRADE ELEVATION SHALL BE INCLUDED IN THE PAY ITEMS DRIVEWAY PAVEMENT REMOVAL OR COMBINATION CURB AND GUTTER REMOVAL.
12. CURB AND GUTTER SHALL BE DEPRESSED AT DRIVEWAYS AND SIDEWALK RAMPS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS. CURB TRANSITIONS WHERE PROPOSED SIDEWALK IS AGAINST THE BACK OF CURB SHALL BE 6-FOOT MINIMUM. SIDEWALK RAMPS FOR ACCESS FOR THE DISABLED SHALL BE PROVIDED AT THE PROPOSED CROSSWALKS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.
13. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
14. PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 8-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES COMMERCIAL DRIVEWAYS AND 6-INCHES WHERE SIDEWALK CROSSES RESIDENTIAL DRIVEWAYS. SIDEWALK JOINTS IN STREETS/SCAPED AREAS SHALL VARY FROM STANDARD TO INCLUDE TRANSVERSE EXPANSION JOINTS 3/4" EVERY 48 FEET OR AS DETERMINED BY THE ENGINEER AND TRANSVERSE CONTRACTION JOINTS EVERY 3- FEET. PRIOR TO THE INSTALLATION OF BOTH JOINTS, THE CONTRACTOR SHALL RECEIVE APPROVAL FROM THE ENGINEER. THIS WORK SHALL BE INCLUDED IN PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL.
15. DURING CONSTRUCTION, THE CONTRACTOR WILL BE PERMITTED TO LIMIT ON-STREET PARKING IN ORDER TO COMPLETE CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PLACE ADVANCE SIGNS TO ALERT RESIDENTS AND CUSTOMERS OF THE CONSTRUCTION WORK. THE PLACEMENT OF THESE SIGNS SHALL TAKE PLACE 48 HOURS IN ADVANCE IN ORDER TO ALLOW SUFFICIENT TIME FOR RESIDENTS AND GENERAL PUBLIC TO REVISE THEIR PARKING PATTERNS.
16. INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE USED IN AREAS WHERE PROPOSED SIDEWALK OR DRIVEWAYS ABOUT EXISTING HMA PARKING LOTS OR PROPOSED CURB AND GUTTER IS REMOVED AND REPLACED WHERE IT IS NECESSARY TO REMOVE THE HMA SURFACE TO COMPLETE INSTALLATION. AN APPLICATION OF BITUMINOUS MATERIALS (PRIME COAT) SHALL BE DONE PRIOR TO PLACING HMA.
17. ALL EXTRANEIOUS HMA ABUTTING EXISTING SIDEWALK TO BE REMOVED SHALL BE REMOVED TO THE LIMITS REQUIRED TO INSTALL NEW SIDEWALK AND INCLUDED IN THE COST OF SIDEWALK REMOVAL.
18. ALL EXISTING HMA DRIVEWAY/PARKING LOT PAVEMENT REQUIRED TO BE REMOVED WITHIN THE EXISTING R.O.W. IN ORDER TO CONSTRUCT THE PROPOSED DRIVEWAY PAVEMENT SHALL BE PAID FOR AS DRIVEWAY PAVEMENT REMOVAL.
19. HANDHOLES USED FOR STREET LIGHTING SHALL HAVE THE WORDS "STREET LIGHTING" EMBOSSED ON THE COVER AND INCLUDED IN THE COST OF HANDHOLES.
20. CARE IS TO BE TAKEN SO AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUIT, DETECTORS AND/OR EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUIT, DETECTORS AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT, DETECTORS AND/OR EQUIPMENT AT NO ADDITIONAL COST.
21. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE ACCORDINGLY.
22. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND/OR BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
23. THE LIGHTING SYSTEM SHALL BE CONSTRUCTED IN PHASES. LIGHTING SHALL BE MAINTAINED OPERATIONAL ON ONE SIDE OF THE ROAD AS THE OPPOSITE SIDE IS BEING CONSTRUCTED.
24. A 1/2-INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE DRIVEWAY APRON AND CURB, AND AT THE THICKNESS OF THE DRIVEWAY APRON AND THE SIDEWALK, AND AROUND CONCRETE FOUNDATIONS. THIS WORK WILL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT OR PCC SIDEWALK.
25. A PORTABLE BATHROOM(S) SHALL BE PLACED ON THE JOB SITE(S) AND RELOCATED WHEN NECESSARY SO IT IS ACCESSIBLE TO WORKERS. IF WORK IS OCCURRING AT SEVERAL LOCATIONS, ONE PORTABLE BATHROOM SHALL BE PLACED AT EACH LOCATION WITHIN A REASONABLE DISTANCE FROM THE WORK AS DETERMINED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
26. THE CONTRACTOR SHALL NOTIFY IDOT BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24-HOURS PRIOR TO THE PLACEMENT OF HMA OR CONCRETE.
27. FOR STEEL BARS CERTIFICATION, PLEASE CONTACT IDOT BUREAU OF MATERIALS AT (847) 705-4361.
28. ALL EXISTING LANDSCAPING ITEMS IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND RELOCATED AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION AND SHALL BE INCLUDED IN THE COST OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING THESE ITEMS TO PRESERVE THEM FROM HARM. ITEMS REMOVED BUT NOT RELOCATED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
29. THE CONTRACTOR SHALL UTILIZE A MECHANICAL SWEEPER TO CLEAN STREETS AFFECTED BY CONTRACTORS OPERATIONS, INCLUDING HAUL ROUTES, AT LEAST TWICE A WEEK AND ADDITIONALLY AS DETERMINED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF MOBILIZATION.
30. PRIOR TO CONSTRUCTION OF ANY PROPOSED FOUNDATIONS, THE CONTRACTOR SHALL EXCAVATE AND LOCATE THE EXISTING UTILITIES TO VERIFY THEIR LOCATION, SIZE, AND DEPTH TO INSURE THAT GRADE CONFLICTS WILL NOT OCCUR. THE COST OF THIS EXPLORATION SHALL BE INCLUDED IN THE COST OF THE PROPOSED FOUNDATION CONSTRUCTION.
31. LINE AND GRADE STAKES WILL BE SET ONE TIME BY THE SURVEYOR OR ENGINEER. THE CONTRACTOR SHALL NOTIFY THE SURVEYOR THAT STAKES WILL BE NEEDED AT LEAST 3 WORKING DAYS IN ADVANCE OF STARTING THEIR WORK (ADDITIONAL NOTIFICATION SHALL BE PROVIDED PRIOR TO THE START OF INITIAL PROJECT CONSTRUCTION OPERATIONS). ANY REQUIRED RESTAKING WILL BE PERFORMED BY THE SURVEYOR AT THE EXPENSE OF THE CONTRACTOR REQUIRING THE RESTAKING. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT STAKES PROVIDED FOR THEIR USE AND TO REPORT TO THE ENGINEER ANY SPECIFIC INSTANCES OF DAMAGED OR ALTERED STAKES AND/OR MONUMENTS PROVIDED.
32. DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF A CAST-IN-PLACE 24" X 48" DETECTABLE WARNING COMPRISED OF TWO 24" BY 24" SQUARE CAST IRON PLATES AS MANUFACTURED BY NEENAH FOUNDRY COMPANY OR EAST JORDAN IRON WORKS OR DUCTILE IRON PLATES AS MANUFACTURED BY PIONEER DETECTABLE LLC. THE PANEL SHALL COMPLY WITH ADA REQUIREMENTS. THE DOMES LOCATED ON THE PLATE SHALL BE PARALLEL TO THE PAVEMENT CROSSWALK WITH THE CLOSEST CORNER AT THE BACK OF CURB. INSTALLATION SHALL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
33. ALL SANITARY MANHOLES TO BE ADJUSTED SHALL ALSO REPLACE OR ADD AN EXTERNAL CHIMNEY SEAL, PAID FOR AS SANITARY MANHOLES FRAME AND ADJUSTMENT SEALING.
34. A QUANTITY OF SEDIMENT CONTROL DRAINAGE STRUCTURE INLET FILTERS HAS BEEN INCLUDED IN THE PLANS FOR EROSION CONTROL. ALL INLET STRUCTURES SHALL BE PROTECTED THROUGHOUT CONSTRUCTION. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED.
35. TREE INSTALLATION SHALL INCLUDE WATERING BAGS AND SHALL BE FILLED ONCE PER WEEK DURING ESTABLISHMENT PERIOD OR AS DETERMINED BY THE ENGINEER. WATERING BAGS SHALL REMAIN THE PROPERTY OF THE VILLAGE.
36. ANY FILL REQUIRED TO ESTABLISH THE PROPOSED SIDEWALK SUBGRADE SHALL BE OF MATERIAL APPROVED BY THE ENGINEER AND SHALL BE INCLUDED IN THE PAY ITEM REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.
37. AT LOCATIONS OF REMOVAL OF EXISTING TREES ALL FILL REQUIRED TO ESTABLISH THE PROPOSED SIDEWALK SUBGRADE SHALL BE OF MATERIAL APPROVED BY THE ENGINEER AND SHALL BE INCLUDED IN THE PAY ITEM TREE REMOVAL.
38. CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES AND LANDSCAPING.
39. ELECTRIC HANDHOLES ARE FOR THE PURPOSE OF PULLING CABLES ONLY. NO UNDERGROUND SPLICES OR SPLICES IN HANDHOLES ARE PERMITTED.
40. LIGHTING UNIT SETBACKS ARE FROM BACK OF CURB TO CENTER OF POLE FOUNDATION. SETBACK SHALL BE 4'-0" UNLESS OTHERWISE NOTED.
41. GALVANIZED STEEL CONDUITS INSTALLED UNDER ROADWAYS SHALL EXTEND 3 FEET BEYOND THE BACK OF CURB OR EDGE OF PAVEMENT AS APPLICABLE.
42. LIGHTING UNIT LOCATIONS MAY BE ADJUSTED UP TO 5 FEET PARALLEL TO THE ROADWAY TO AVOID INSTALLATION CONFLICTS FOUND IN THE FIELD. PRIOR TO ADJUSTING LIGHTING UNIT LOCATIONS THE CONTRACTOR SHALL RECEIVE APPROVAL FROM THE ENGINEER. HOWEVER, 4' BACK OF CURB SHALL BE MAINTAINED. UTILIZE OFFSET FOUNDATION IF NECESSARY.
43. LIGHTING UNIT DUCT SHALL NOT PASS THROUGH PROPOSED TREE WELLS. UNIT DUCT SHALL BE RUN BEHIND PROPOSED TREE WELLS OR ALONG THE BACK OF CURB.
44. ALL TRAFFIC SIGNS AND SIGNALS SHALL BE VISIBLE FROM ONE BLOCK AWAY (AT LEAST 250') AT THE END OF THE PROJECT. CRITICAL TRAFFIC SIGNS, AS DETERMINED BY THE ENGINEER, SHALL BE VISIBLE AT ALL TIMES AND SHALL BE RELOCATED IMMEDIATELY IF DETERMINED BY THE ENGINEER. THE ENGINEER WILL CONDUCT A VISUAL INSPECTION OF SIGN PLACEMENT AFTER PROPOSED TREES AND LIGHT POLES HAVE BEEN INSTALLED. THE CONTRACTOR SHALL RELOCATE ANY OBSTRUCTED SIGNS AS DETERMINED BY THE ENGINEER. SIGNS MAY BE PLACED ON NEW POSTS OR ATTACHED TO LIGHT POLES, BUT ALL SIGNS SHALL MEET CCDOH REQUIREMENTS. THIS WORK WILL BE INCLUDED IN THE COST OF APPLICABLE PAY ITEMS IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
45. CONTACT MR. ARVIND SHAH AT (847) 827-7824 PRIOR TO RELOCATION OF ANY COOK COUNTY HIGHWAY DEPARTMENT SIGNS FOR REVIEW.
46. WEED FABRIC SHALL NOT BE INSTALLED AROUND TREE "WATER SAUCERS".
47. IF ANY EXISTING PAVEMENT MARKINGS ARE DISTURBED BY CONSTRUCTION, THEY SHALL BE REPLACED PER CCDOH REQUIREMENTS AT NO ADDITIONAL COST TO THE CONTRACT.

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	DRAWN - UKB	REVISED - 12-23-14 PER CCDOH
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	DATE - 10-15-14	FILE - 130988-GenNotes.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:		1332	14-00300-00-SW	COOK	32	3
STA. TO STA.		CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT TE-0011983						

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				SIDEWALK/LIGHTS 0031 QUANTITY	LANDSCAPING 0031 QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	105	105	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	356	356	
20101000	TEMPORARY FENCE	FOOT	1,200	1,200	
20101100	TREE TRUNK PROTECTION	EACH	48	48	
* 20101200	TREE ROOT PRUNING	EACH	48	48	
* 20101300	TREE PRUNING (1 TO 10 INCHES DIAMETER)	EACH	20	20	
* 20101350	TREE PRUNING (OVER 10 INCHES DIAMETER)	EACH	28	28	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	340	340	
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3,648	3,648	
* 21101655	TOPSOIL FURNISH AND PLACE, 14"	SQ YD	342	0	342
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	46	46	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	46	46	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	46	46	
* 25200110	SODDING, SALT TOLERANT	SQ YD	3,648	3,648	
* 25200200	SUPPLEMENTAL WATERING	UNIT	37	37	

* INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				SIDEWALK/LIGHTS 0031 QUANTITY	LANDSCAPING 0031 QUANTITY
28000510	INLET FILTERS	EACH	60	60	
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,040	1,040	
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	744	0	744
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	6,197	6,197	
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,850	1,850	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	144	144	
42400800	DETECTABLE WARNINGS	SQ FT	880	880	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	954	954	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,338	1,338	
44000600	SIDEWALK REMOVAL	SQ FT	51,641	51,641	
* 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	9	9	
* 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	57	57	
* 56500800	DOMESTIC WATER SERVICE BOXES	EACH	20	20	
60250200	CATCH BASINS TO BE ADJUSTED	EACH	7	7	
60255500	MANHOLES TO BE ADJUSTED	EACH	12	12	

* INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	4
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT TE-0001983			CONTRACT NO. 61B03	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				SIDEWALK/LIGHTS	LANDSCAPING
				0031 QUANTITY	0031 QUANTITY
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1	
60603900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (ABUTTING EXISTING PAVEMENT)	FOOT	1,338	1,338	
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	986	986	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
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	
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1	
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA	FOOT	2,422	2,422	
* 81400100	HANDHOLE	EACH	4	4	
* 81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	40	40	

* INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				SIDEWALK/LIGHTS	LANDSCAPING
				0031 QUANTITY	0031 QUANTITY
* 82500370	LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 200 AMP	EACH	1	1	
* 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	351	351	
* 84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	41	41	
* 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	1	
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
* 85100100	PAINT EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
* 87900200	DRILL EXISTING HANDHOLE	EACH	2	2	
* A2000324	TREE, ACER MIYABEI MORTON (STATE STREET MIYABE MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	10	0	10
* A2004524	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 3" CALIPER, BALLED AND BURLAPPED	EACH	8	0	8
* A2004824	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	9	0	9
* A2005024	TREE, GYMNOCLADUS DIOCUS (KENTUCKY COFFEETREE), 3" CALIPER, BALLED AND BURLAPPED	EACH	9	0	9
* A2006524	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	8	0	8
* A2007170	TREE, QUERCUS WAREI REGAL PRINCE (REGAL PRINCE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	10	0	10
* A2007624	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 3" CALIPER, BALLED AND BURLAPPED	EACH	10	0	10
* A2008618	TREE, ULMUS MORTON GLOSSY (TRIUMPH ELM), 3" CALIPER, BALLED AND BURLAPPED	EACH	9	0	9

* INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001983			CONTRACT NO. 61B03	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				SIDEWALK/LIGHTS 0031 QUANTITY	LANDSCAPING 0031 QUANTITY
* B2000122	TREE, ACER TATARICUM (TATARIAN MAPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	0	3
* B2002720	TREE, MALUS ADIRONDACK (ADIRONDACK CRAB APPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	0	3
* B2005389	TREE, METASEQUOIA GLYPTOSTROBIOIDES (DAWN REDWOOD), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8	0	8
* K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	12.9	0	12.9
Z0003850	BENCHES	EACH	7	0	7
Z0019600	DUST CONTROL WATERING	UNIT	40	40	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	5	5	
\$ Z0076600	TRAINEES	HOUR	500	500	
\$ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	
X0322102	TEMPORARY SIDEWALK RAMP	EACH	66	66	
X0323706	TRASH RECEPTACLE RELOCATION	EACH	3	3	
* X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	28	28	
X0327149	RELOCATE BENCH	EACH	5	5	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	2	2	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	25	25	

* INDICATES SPECIALTY ITEM
\$ INDICATES CONSTRUCTION TYPE CODE 0042 TRAINEES

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				SIDEWALK/LIGHTS 0031 QUANTITY	LANDSCAPING 0031 QUANTITY
X4230710	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, SPECIAL	SQ YD	25	25	
X4230800	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH, SPECIAL	SQ YD	1,015	1,015	
X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	55,603	55,603	
X6026052	SANITARY MANHOLES FRAME AND ADJUSTMENT SEALING	EACH	9	9	
* X8140115	HANDHOLE TO BE ADJUSTED	EACH	6	6	
* X8163585	UNIT DUCT, 600V, 7-1/C NO.6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	4,290	4,290	
* X8360315	LIGHT POLE FOUNDATION, 30" DIAMETER, OFFSET	FOOT	405	405	
XX000959	TRASH RECEPTACLES	EACH	8	0	8
* XX001164	LUMINAIRE, HIGH PRESSURE SODIUM, SPECIAL	EACH	2	2	
XX001621	BRICK PAVER REMOVAL	SQ FT	259	259	
XX003689	BUS SHELTER	EACH	1	0	1
XX004688	BRICK PAVER SIDEWALK	SQ FT	6,627	0	6,627
XX008277	PORTLAND CEMENT CONCRETE UNDERLAYMENT, 5"	SQ YD	744	0	744
* XX008280	ORNAMENTAL STREET LIGHTING UNIT - SINGLE TEARDROP FIXTURE	EACH	32	32	
* XX008730	DOUBLE HANDHOLE TO BE ADJUSTED	EACH	2	2	
* XX009003	UNIT DUCT, 600V, 5-1/C NO.4, 3-1/C NO.6 AND 1/C NO.4 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	3,253	3,253	

* INDICATES SPECIALTY ITEM

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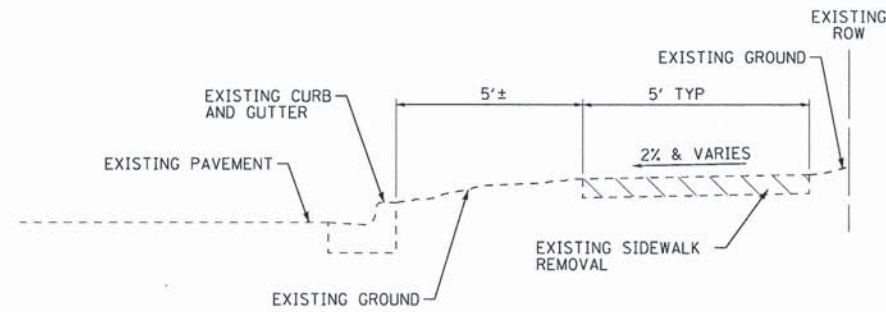
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SUMMARY OF QUANTITIES

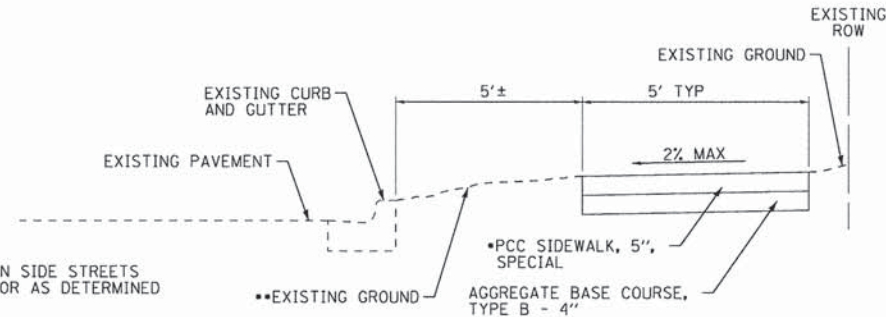
SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-00011983			CONTRACT NO. 61B03	

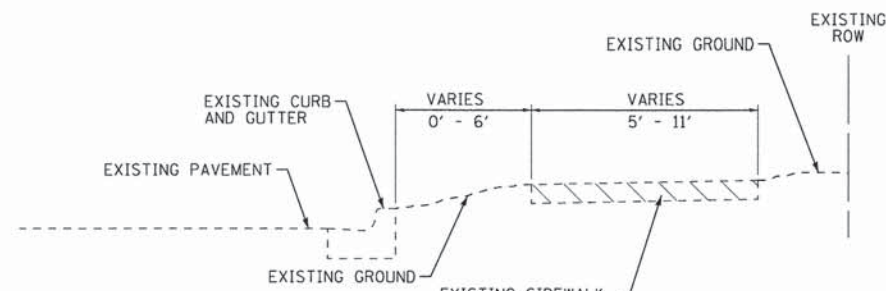


EXISTING TYPICAL SECTION
NOT TO SCALE
E. OAKTON STREET
STA 37+94 TO STA 50+72



PROPOSED TYPICAL SECTION
NOT TO SCALE
E. OAKTON STREET
STA 37+94 TO STA 50+72

- SPOT REPAIRS ONLY ON SIDE STREETS AS SHOWN ON PLANS OR AS DETERMINED BY THE ENGINEER
- RE-GRADING AND RESTORATION WITH TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT AS DETERMINED BY THE ENGINEER

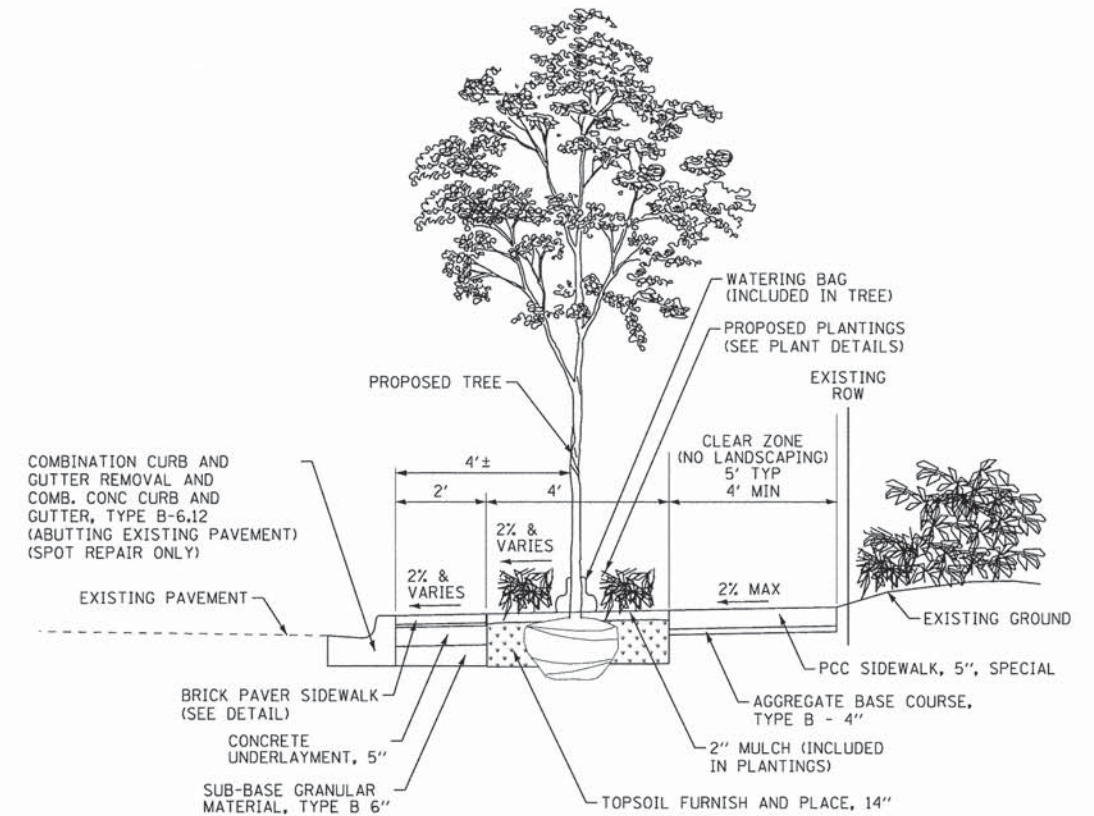


EXISTING TYPICAL SECTION
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E. OAKTON STREET
STA 51+04 TO STA 73+73

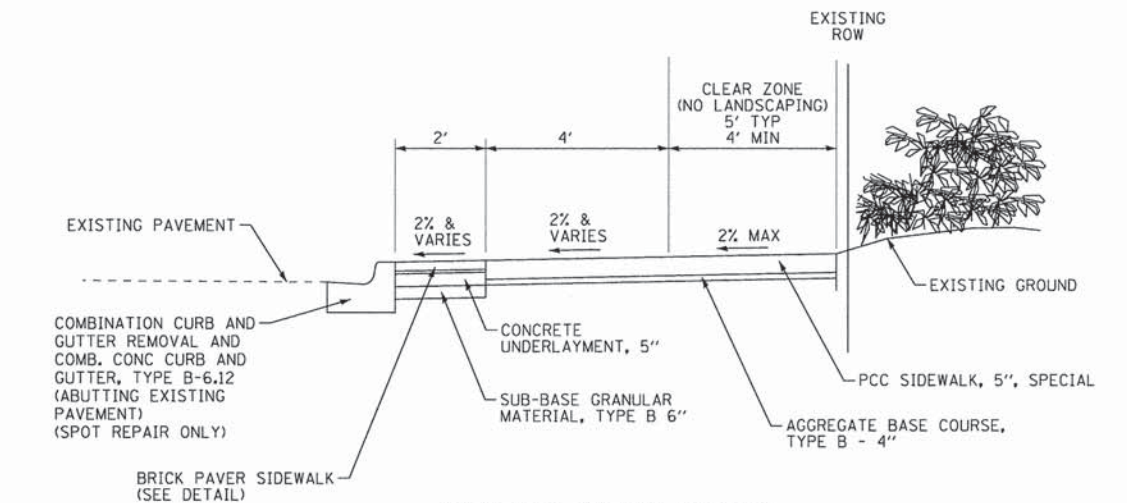
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
INCIDENTAL HMA SURFACING	
HMA SURFACE COURSE, MIX "D", N50 (9.5mm)	4% @ 50 GYR.

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
3. THE THICKNESS OF INCIDENTAL HMA SURFACING SHALL MATCH THE EXISTING PAVEMENT, OR 2" MINIMUM. IF THE THICKNESS IS 3" OR MORE, THE HMA SHALL BE PLACED IN MULTIPLE LIFTS NOT EXCEEDING 2".
4. INCIDENTAL HMA SURFACING IS TO BE USED TO RESTORE ABUTTING HMA PAVEMENT AS NEEDED (AS DETERMINED BY THE ENGINEER).



PROPOSED TYPICAL SECTION
NOT TO SCALE
E. OAKTON STREET
STA 51+04 TO STA 73+73
(AT TREE WELLS)



PROPOSED TYPICAL SECTION
NOT TO SCALE
E. OAKTON STREET
STA 51+04 TO STA 73+73

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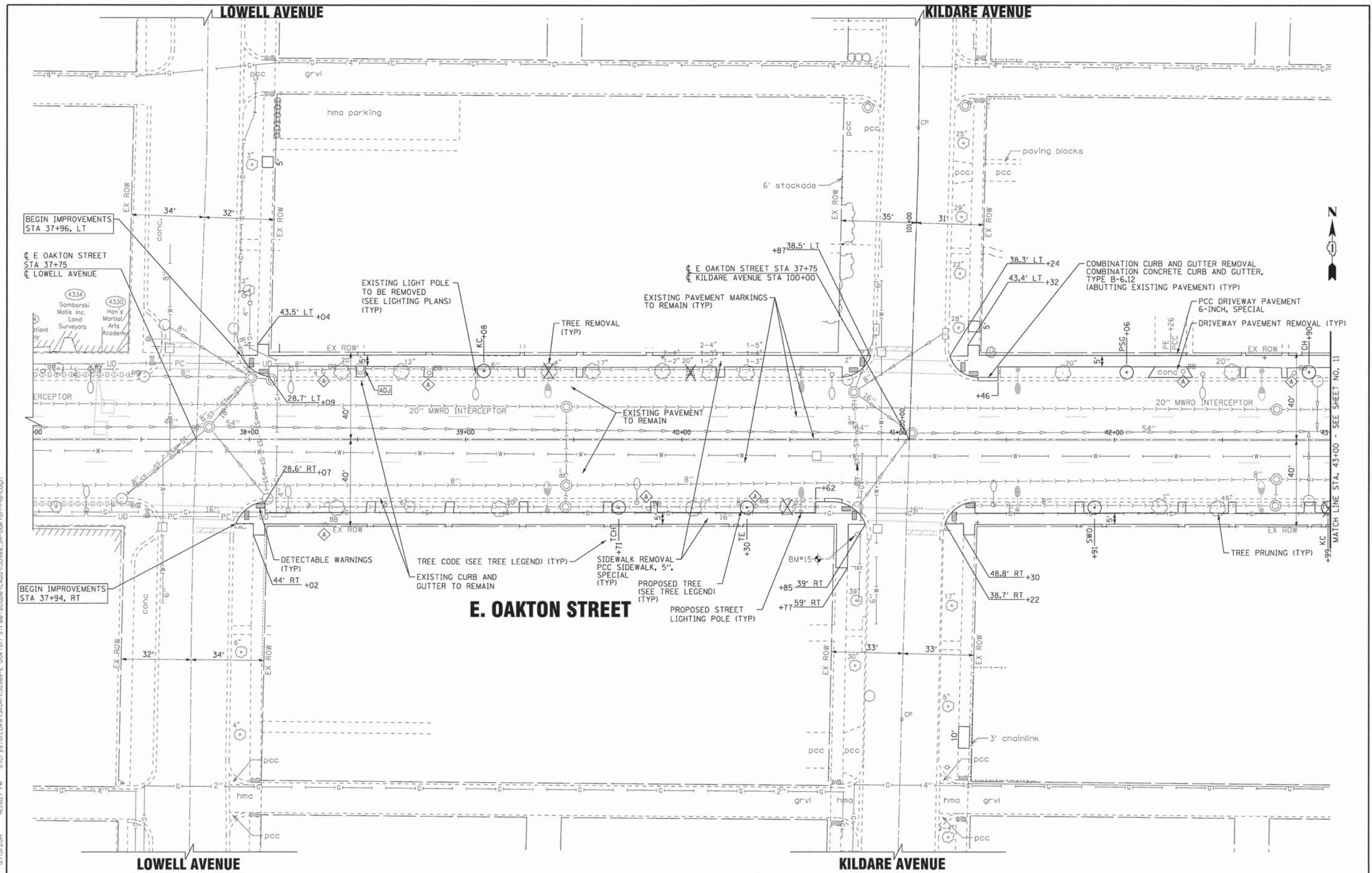
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	7
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001(983)				



MATCH LINE STA. 43+00 - SEE SHEET NO. 11

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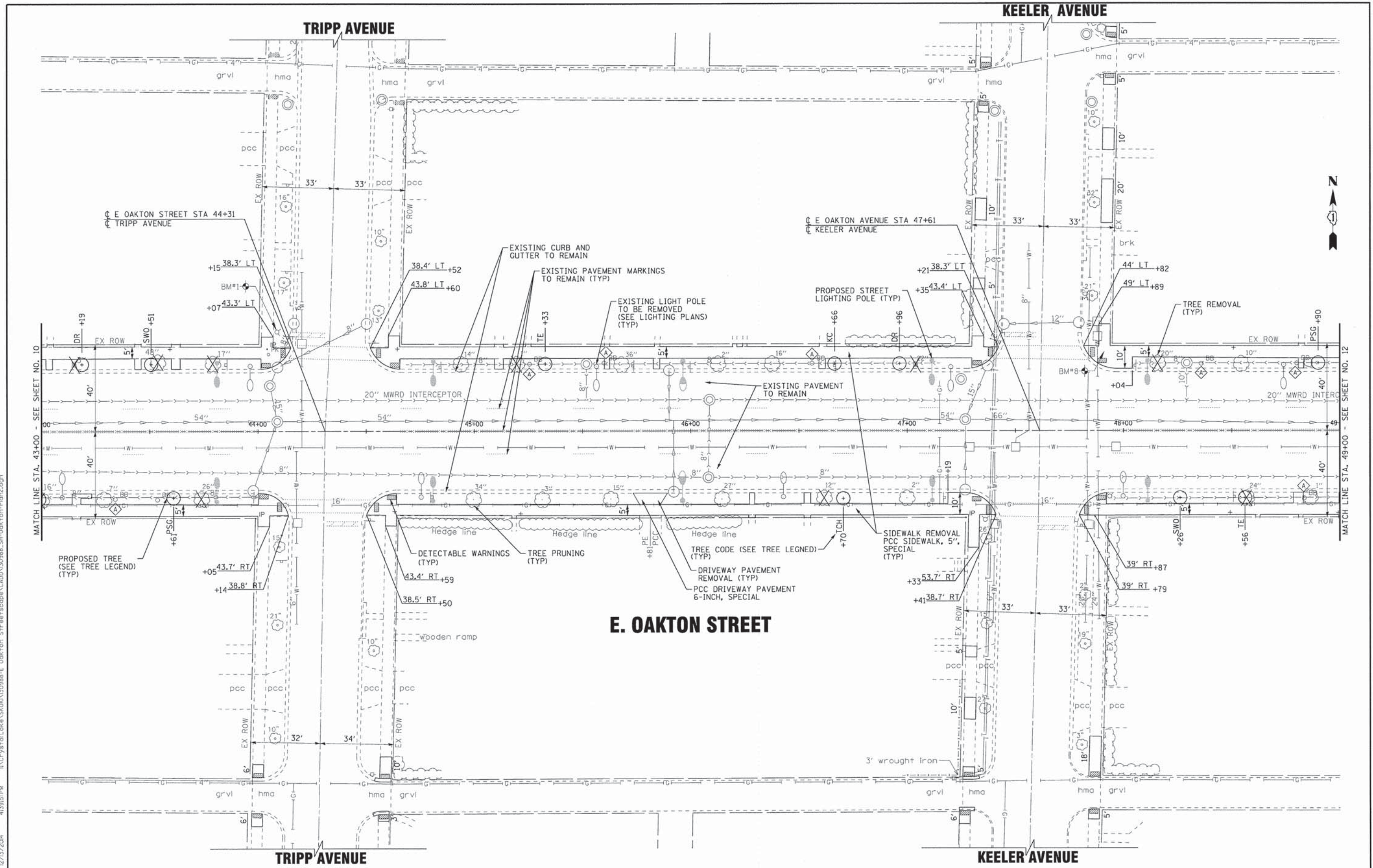
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DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'
STA. 37+00 TO STA. 43+00

**PLAN
E. OAKTON AVENUE**

F.A.U. RTE. 1332	SECTION 14-00300-00-SW	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 10
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT TE-0001983				

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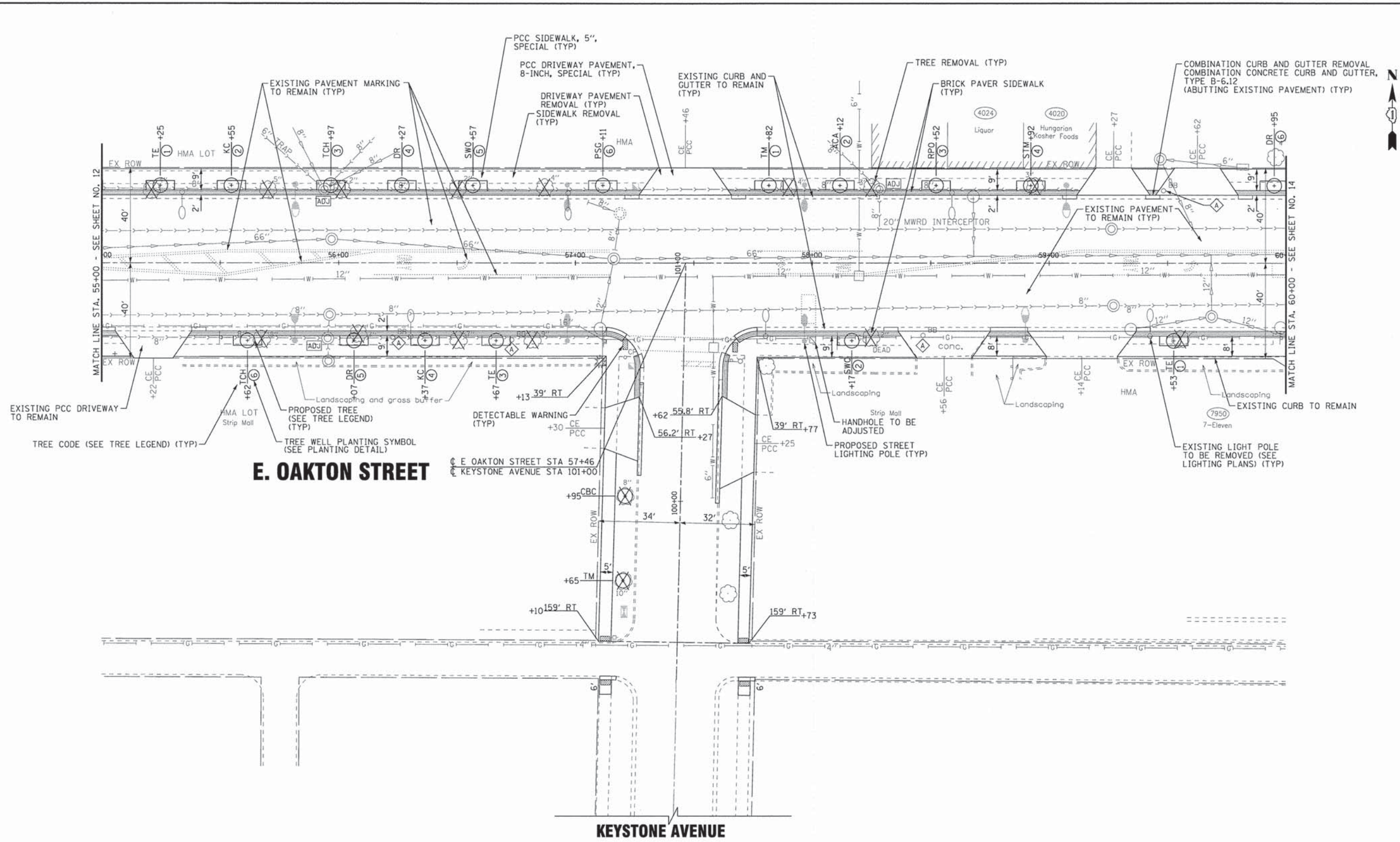
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN
E. OAKTON AVENUE
 SCALE: 1"=20'
 STA. 43+00 TO STA. 49+00

F.A.U. REF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	11
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001983				



E. OAKTON STREET

KEYSTONE AVENUE



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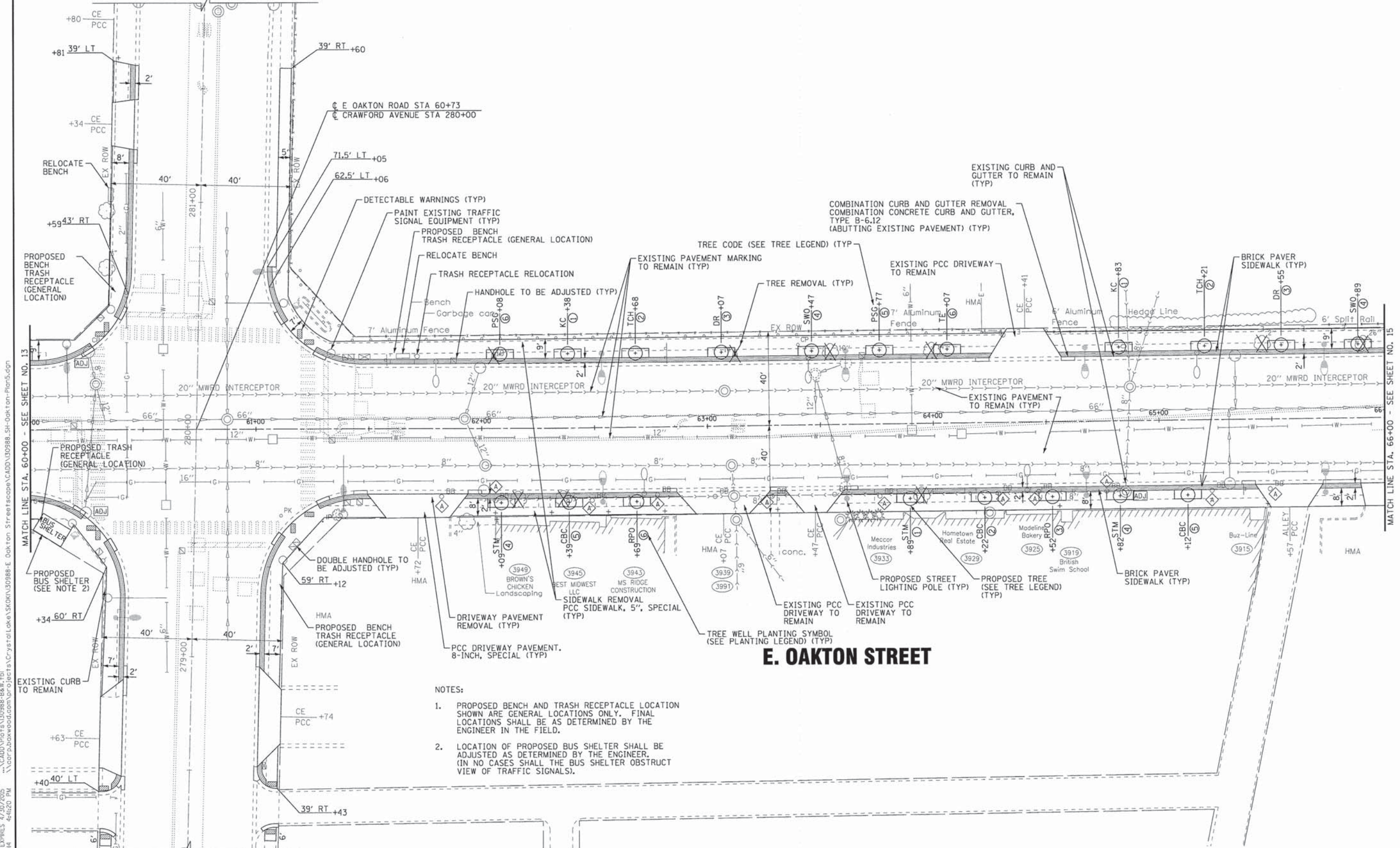
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
E. OAKTON STREET
SCALE: 1"=20'
STA. 55+00 TO STA. 60+00

F.A.U. RTE. 1332	SECTION 14-00300-00-SW	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 13
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT TE-00D1983				

CRAWFORD AVENUE



CRAWFORD AVENUE

E. OAKTON STREET

- NOTES:**
1. PROPOSED BENCH AND TRASH RECEPTACLE LOCATION SHOWN ARE GENERAL LOCATIONS ONLY. FINAL LOCATIONS SHALL BE AS DETERMINED BY THE ENGINEER IN THE FIELD.
 2. LOCATION OF PROPOSED BUS SHELTER SHALL BE ADJUSTED AS DETERMINED BY THE ENGINEER. (IN NO CASES SHALL THE BUS SHELTER OBSTRUCT VIEW OF TRAFFIC SIGNALS).

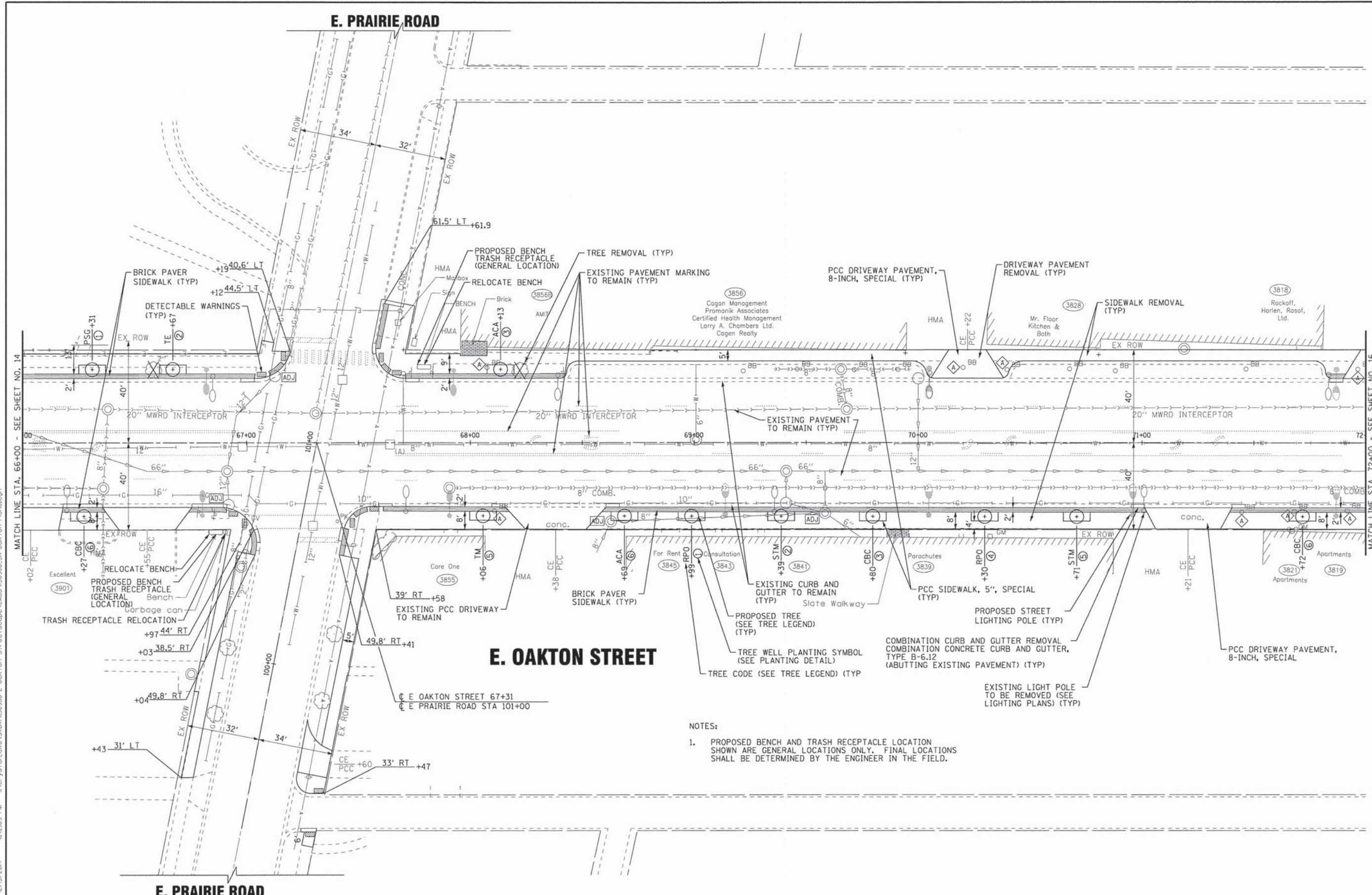
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN E. OAKTON STREET	
SCALE: 1"=20'	STA. 60+00 TO STA. 66+00

F.A.I. RTE. 1332	SECTION 14-00300-00-SW	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 14
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001983				



- NOTES:
1. PROPOSED BENCH AND TRASH RECEPTACLE LOCATION SHOWN ARE GENERAL LOCATIONS ONLY. FINAL LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

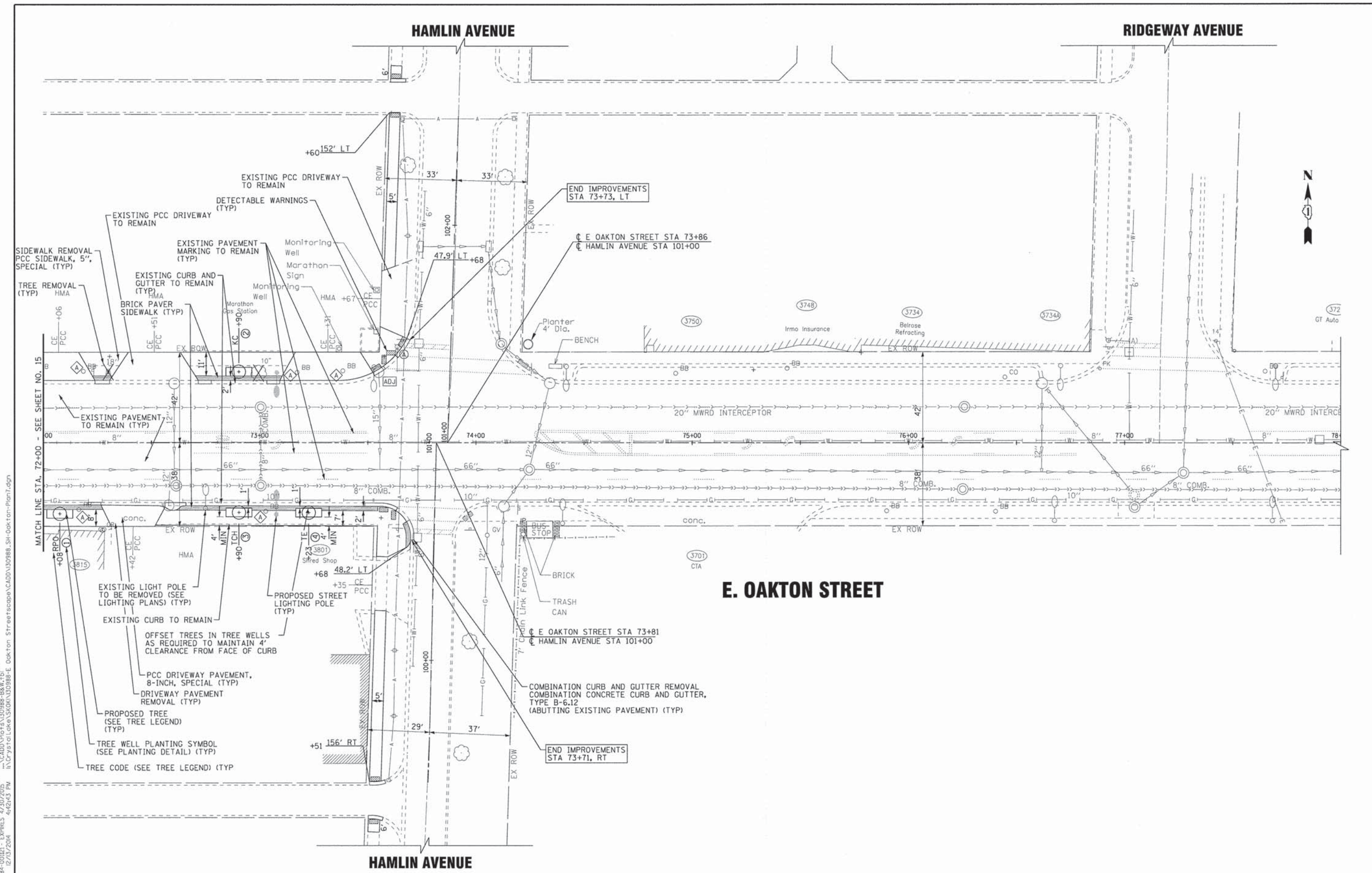
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - DSH	REVISED - 12-8-14 PER IDOT
	DRAWN - UKB	REVISED -
	CHECKED - DSH	REVISED -
	DATE - 10-15-14	FILE - 130988-SH-Oakton-Plan6.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN	
E. OAKTON STREET	
SCALE: 1"=20'	STA. 66+00 TO STA. 72+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	15
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001983				



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BAXTER & WOODMAN
Consulting Engineers

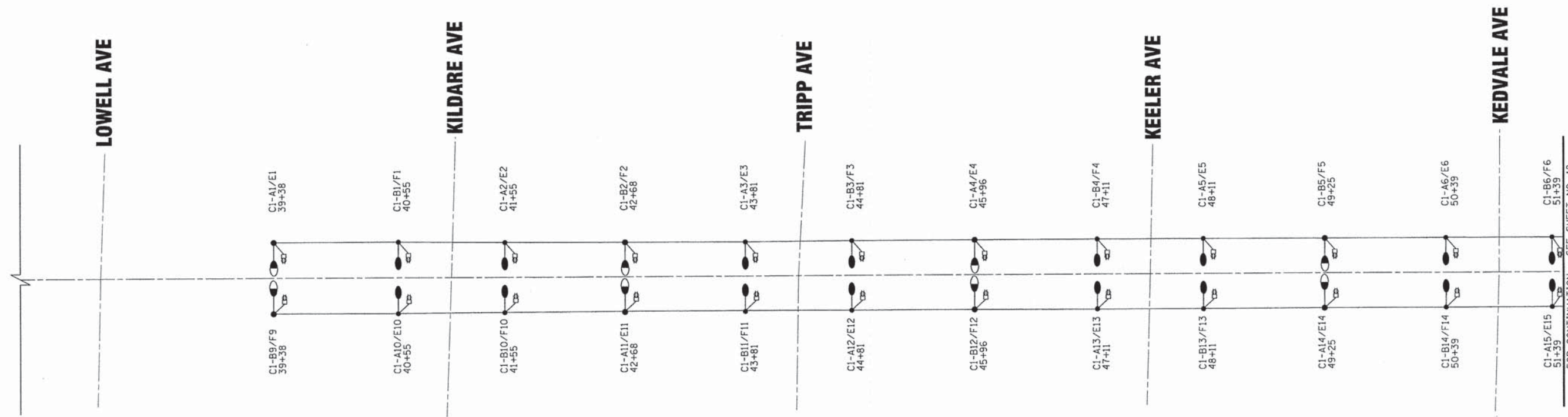
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DRAWN - LKB	REVISED -
CHECKED - DSH	REVISED -
DATE - 10-15-14	FILE - 130988_SH-Oakton-Plan7.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
E. OAKTON STREET

SCALE: 1"=20'
STA. 72+00 TO STA. 78+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	16
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0011983				

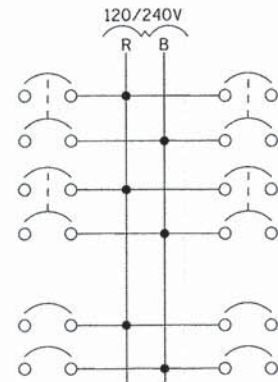


E. OAKTON STREET

LEGEND

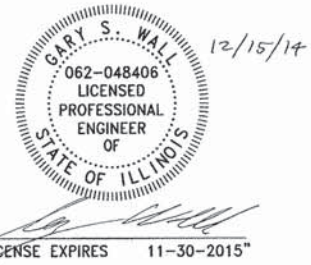
2"UD, W/7#6 & 1#6 GND	□	EXISTING COM ED POWER POLE
3"UD	□	SERVICE PEDESTAL
3"UD	□	2" UNIT DUCT 7#6 & 1#6 GROUND (UNLESS NOTED OTHERWISE)
3"C, W/2"UD	PC	3" CONDUIT, PUSHED LENGTH AS SHOWN WITH 2" UNIT DUCT OR AS NOTED
-A-		EXISTING AERIAL UTILITY
	●	PROPOSED ORNAMENTAL STREET LIGHT, SINGLE TEARDROP FIXTURE, HPS, 250 WATT, 240 VOLT, TYPE IV, 36.5' M.H., 120 VOLT FESTOON
	●	PROPOSED ORNAMENTAL STREET LIGHT UNIT, COMPLETE, HPS, 150 WATT, 240 VOLT, TYPE IV, 36.5' M.H., 120 VOLT FESTOON
	○	EXISTING STREET LIGHT
	□	PROPOSED LIGHTING CONTROLLER
	□	PROPOSED HANDHOLE
	□	EXISTING HANDHOLE
	□	EXISTING LIGHTING CONTROLLER
SB		SETBACK FROM BACK OF CURB
	⌚	DUPLEX RECEPTACLE, 120V, 20A

CKT.	AMPS	
	R	B
A	21	
		21
C	15	
		15
E	13	
G		11
SUB	49	47



AMPS	CKT.
21	B
	21
15	D
	15
13	F
	11
49	SUB

(R) (B)
TOTAL 98/94
LIGHTING CONTROLLER - LOADING



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CHECKED - GSW	REVISED -
DATE - 10-15-14	FILE - 130988.SH-SL-SingleLine.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STREET LIGHTING - SINGLE LINE DIAGRAM

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	17
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT TE-0001983				

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DESIGNED - MWH	REVISED - 12-8-14 PER IDOT
DRAWN - LKB	REVISED -
CHECKED - GSW	REVISED -
DATE - 10-15-14	FILE - 130988_SH-SL-SingleLine.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

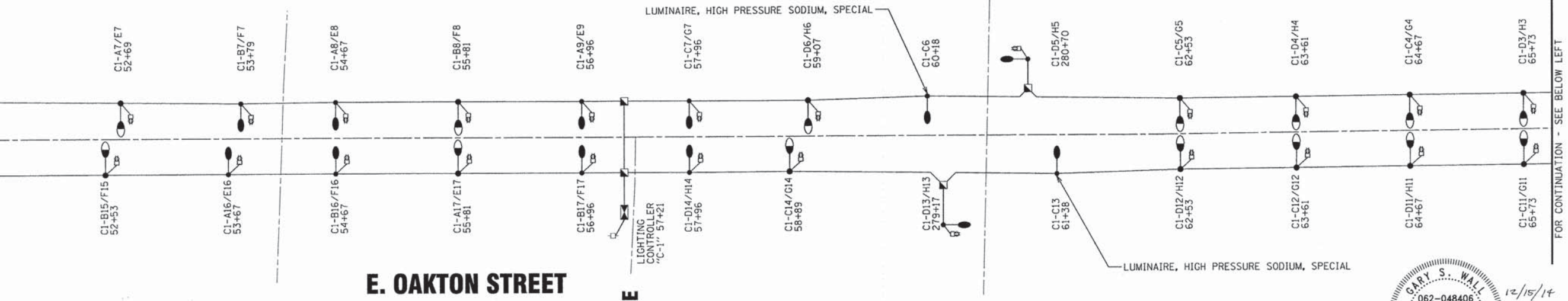
STREET LIGHTING - SINGLE LINE DIAGRAM

SCALE: NONE

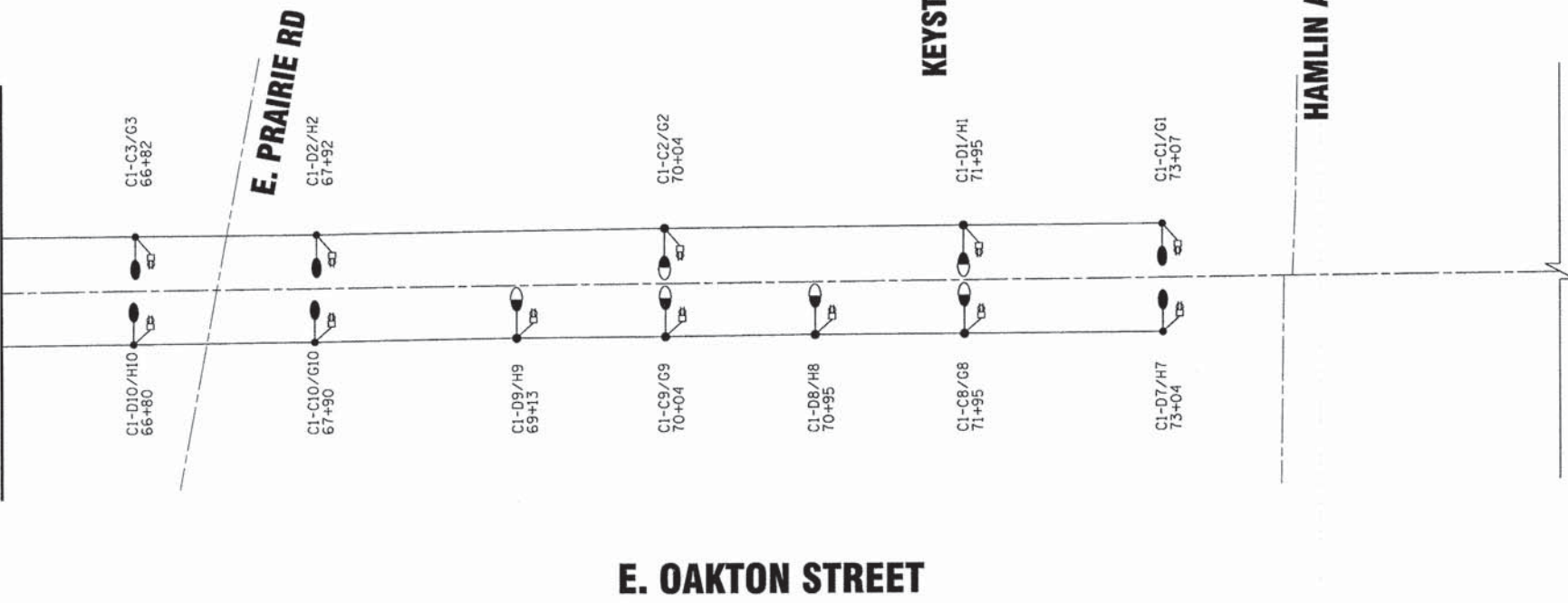
STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0011983 CONTRACT NO. 61B03				

FOR CONTINUATION - SEE SHEET NO. 17



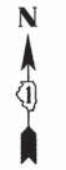
FOR CONTINUATION - SEE ABOVE RIGHT

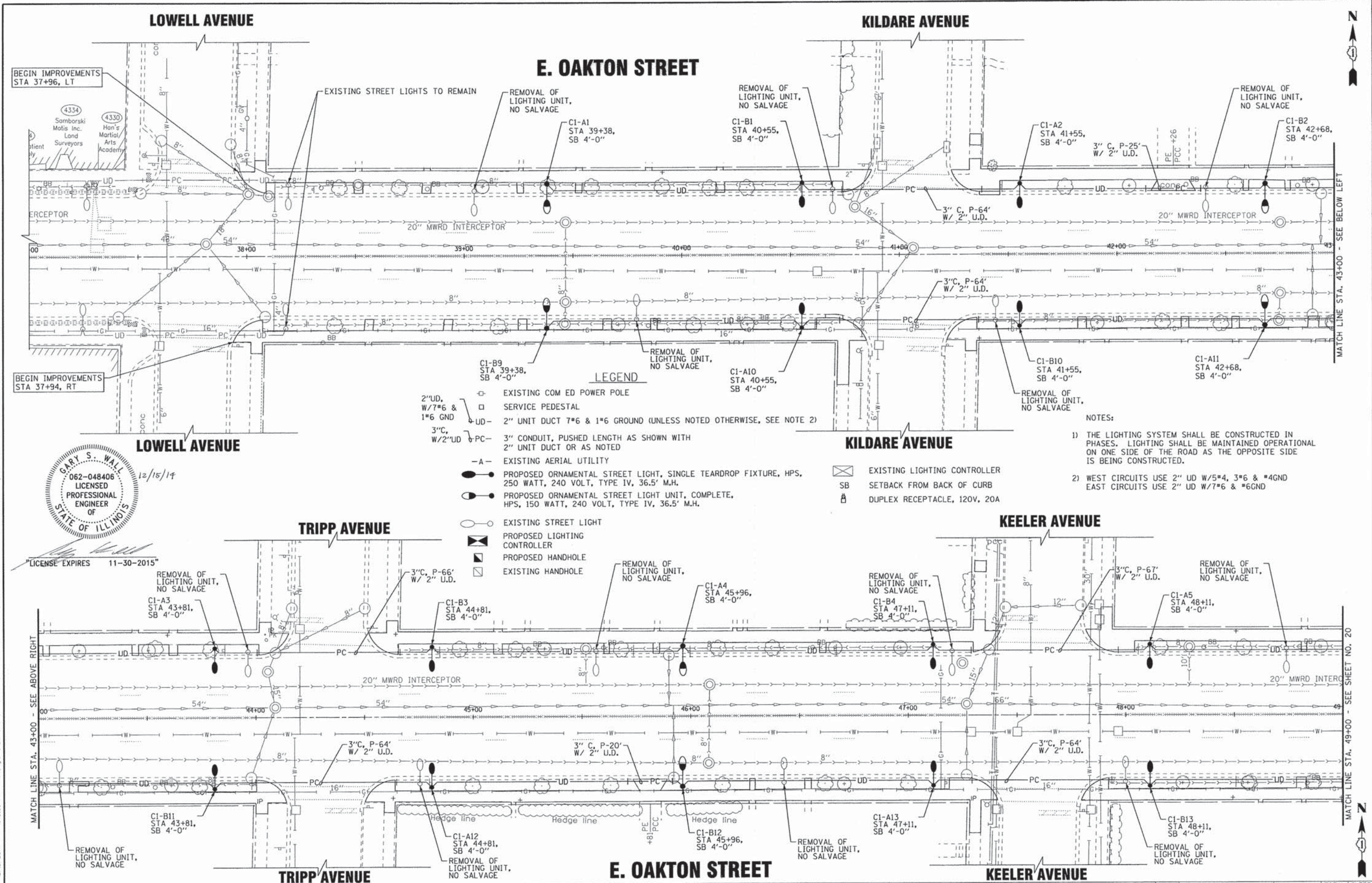


LEGEND

- 2" UD, W/7*6 & 1*6 GND: 2" UNIT DUCT 7*6 & 1*6 GROUND (UNLESS NOTED OTHERWISE)
- 3" C, W/2" UD: 3" CONDUIT, PUSHED LENGTH AS SHOWN WITH 2" UNIT DUCT OR AS NOTED
- A-: EXISTING AERIAL UTILITY
- Proposed Ornamental Street Light (Teardrop): PROPOSED ORNAMENTAL STREET LIGHT, SINGLE TEARDROP FIXTURE, HPS, 250 WATT, 240 VOLT, TYPE IV, 36.5' M.H., 120 VOLT FESTOON
- Proposed Ornamental Street Light (Festoon): PROPOSED ORNAMENTAL STREET LIGHT UNIT, COMPLETE, HPS, 150 WATT, 240 VOLT, TYPE IV, 36.5' M.H., 120 VOLT FESTOON
- Existing Street Light: EXISTING STREET LIGHT
- Proposed Lighting Controller: PROPOSED LIGHTING CONTROLLER
- Proposed Handhole: PROPOSED HANDHOLE
- Existing Handhole: EXISTING HANDHOLE
- Existing Lighting Controller: EXISTING LIGHTING CONTROLLER
- SB: SETBACK FROM BACK OF CURB
- ⏏: DUPLEX RECEPTACLE, 120V, 20A

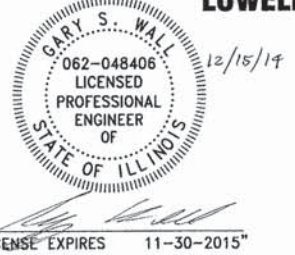
GARY S. WALL
 062-048406
 LICENSED PROFESSIONAL ENGINEER
 OF THE STATE OF ILLINOIS
 12/15/14
 LICENSE EXPIRES 11-30-2015





- LEGEND**
- EXISTING COM ED POWER POLE
 - SERVICE PEDESTAL
 - UD- 2" UNIT DUCT 7*6 & 1*6 GROUND (UNLESS NOTED OTHERWISE, SEE NOTE 2)
 - 3"C, W/2"UD PC- 3" CONDUIT, PUSHED LENGTH AS SHOWN WITH 2" UNIT DUCT OR AS NOTED
 - A- EXISTING AERIAL UTILITY
 - PROPOSED ORNAMENTAL STREET LIGHT, SINGLE TEARDROP FIXTURE, HPS, 250 WATT, 240 VOLT, TYPE IV, 36.5' M.H.
 - PROPOSED ORNAMENTAL STREET LIGHT UNIT, COMPLETE, HPS, 150 WATT, 240 VOLT, TYPE IV, 36.5' M.H.
 - EXISTING STREET LIGHT
 - PROPOSED LIGHTING CONTROLLER
 - PROPOSED HANDHOLE
 - EXISTING HANDHOLE
 - EXISTING LIGHTING CONTROLLER
 - SB SETBACK FROM BACK OF CURB
 - ⊞ DUPLEX RECEPTACLE, 120V, 20A

- NOTES:**
- 1) THE LIGHTING SYSTEM SHALL BE CONSTRUCTED IN PHASES. LIGHTING SHALL BE MAINTAINED OPERATIONAL ON ONE SIDE OF THE ROAD AS THE OPPOSITE SIDE IS BEING CONSTRUCTED.
 - 2) WEST CIRCUITS USE 2" UD W/5*4, 3*6 & #4GND
EAST CIRCUITS USE 2" UD W/7*6 & #6GND



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CHECKED - GSW	REVISED -
DATE - 10-15-14	FILE - 130988-SH-Oakton-SL-Plan1.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'
STA. 37+00 TO STA. 49+00

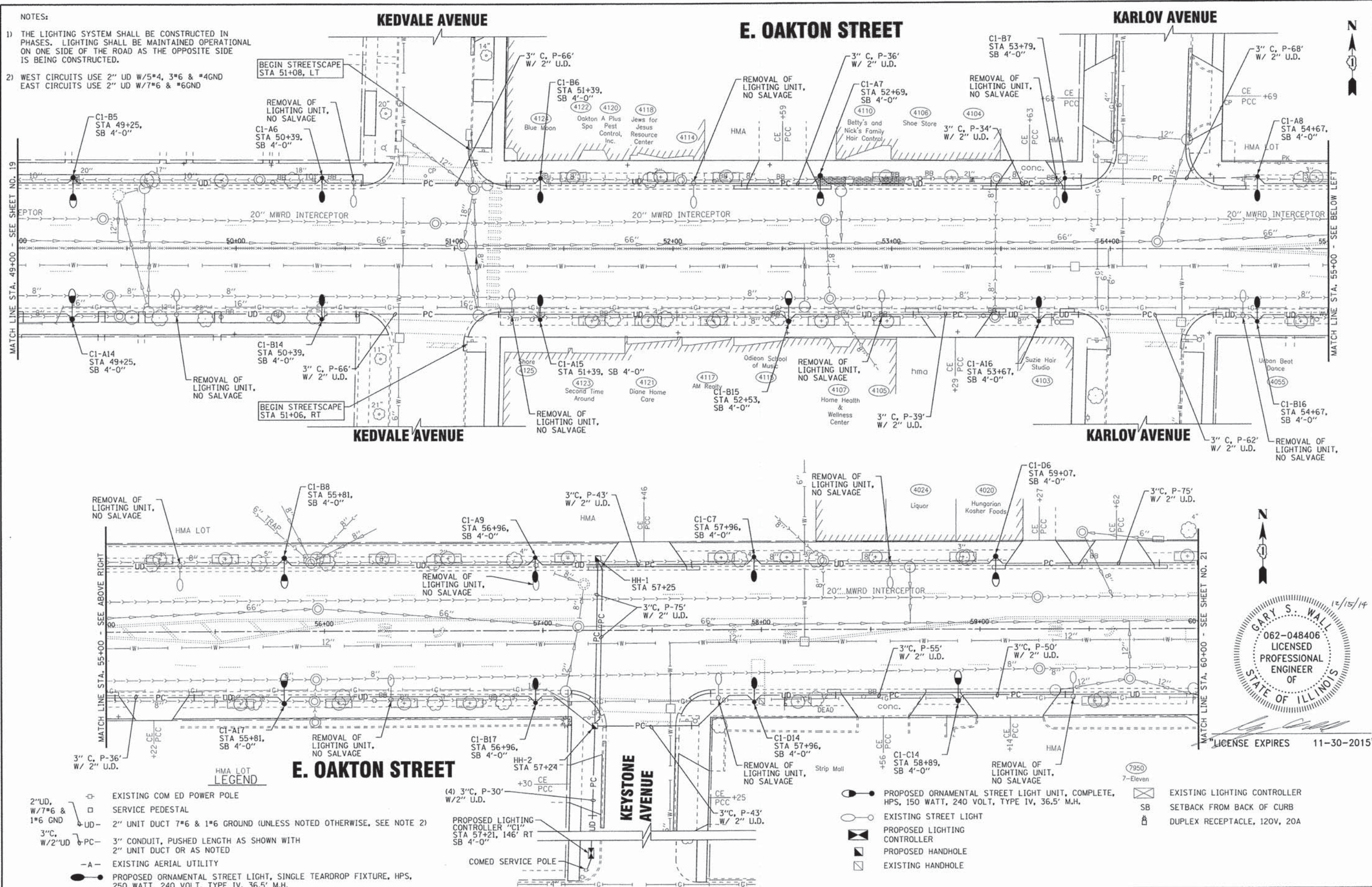
STREET LIGHTING PLAN
E. OAKTON AVENUE

F.A.U. RTE. 1332	SECTION 14-00300-00-SW	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 19
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT TE-0001983			CONTRACT NO. 61B03	

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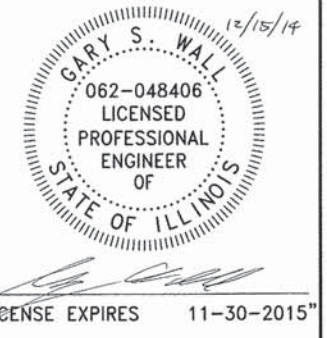
NOTES:

- 1) THE LIGHTING SYSTEM SHALL BE CONSTRUCTED IN PHASES. LIGHTING SHALL BE MAINTAINED OPERATIONAL ON ONE SIDE OF THE ROAD AS THE OPPOSITE SIDE IS BEING CONSTRUCTED.
- 2) WEST CIRCUITS USE 2" UD W/5*4, 3*6 & *4GND
EAST CIRCUITS USE 2" UD W/7*6 & *6GND



- 2" UD, W/7*6 & 1*6 GND
- 3" C, W/2" UD
- PC
- A
- EXISTING COM ED POWER POLE
- SERVICE PEDESTAL
- 2" UNIT DUCT 7*6 & 1*6 GROUND (UNLESS NOTED OTHERWISE, SEE NOTE 2)
- 3" CONDUIT, PUSHED LENGTH AS SHOWN WITH 2" UNIT DUCT OR AS NOTED
- EXISTING AERIAL UTILITY
- PROPOSED ORNAMENTAL STREET LIGHT, SINGLE TEARDROP FIXTURE, HPS, 250 WATT, 240 VOLT, TYPE IV, 36.5' M.H.
- EXISTING LIGHTING CONTROLLER
- SB
- DUPLX RECEPTACLE, 120V, 20A
- PROPOSED LIGHTING CONTROLLER "C1" STA 57+21, 146' RT SB 4'-0"
- COMED SERVICE POLE
- PROPOSED ORNAMENTAL STREET LIGHT UNIT, COMPLETE, HPS, 150 WATT, 240 VOLT, TYPE IV, 36.5' M.H.
- EXISTING STREET LIGHT
- PROPOSED LIGHTING CONTROLLER
- PROPOSED HANDHOLE
- EXISTING HANDHOLE

HMA LOT LEGEND



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CHECKED - GSW	REVISED -
DATE - 10-15-14	FILE - 130988.SH-Oakton-SL-Plan2.dgn

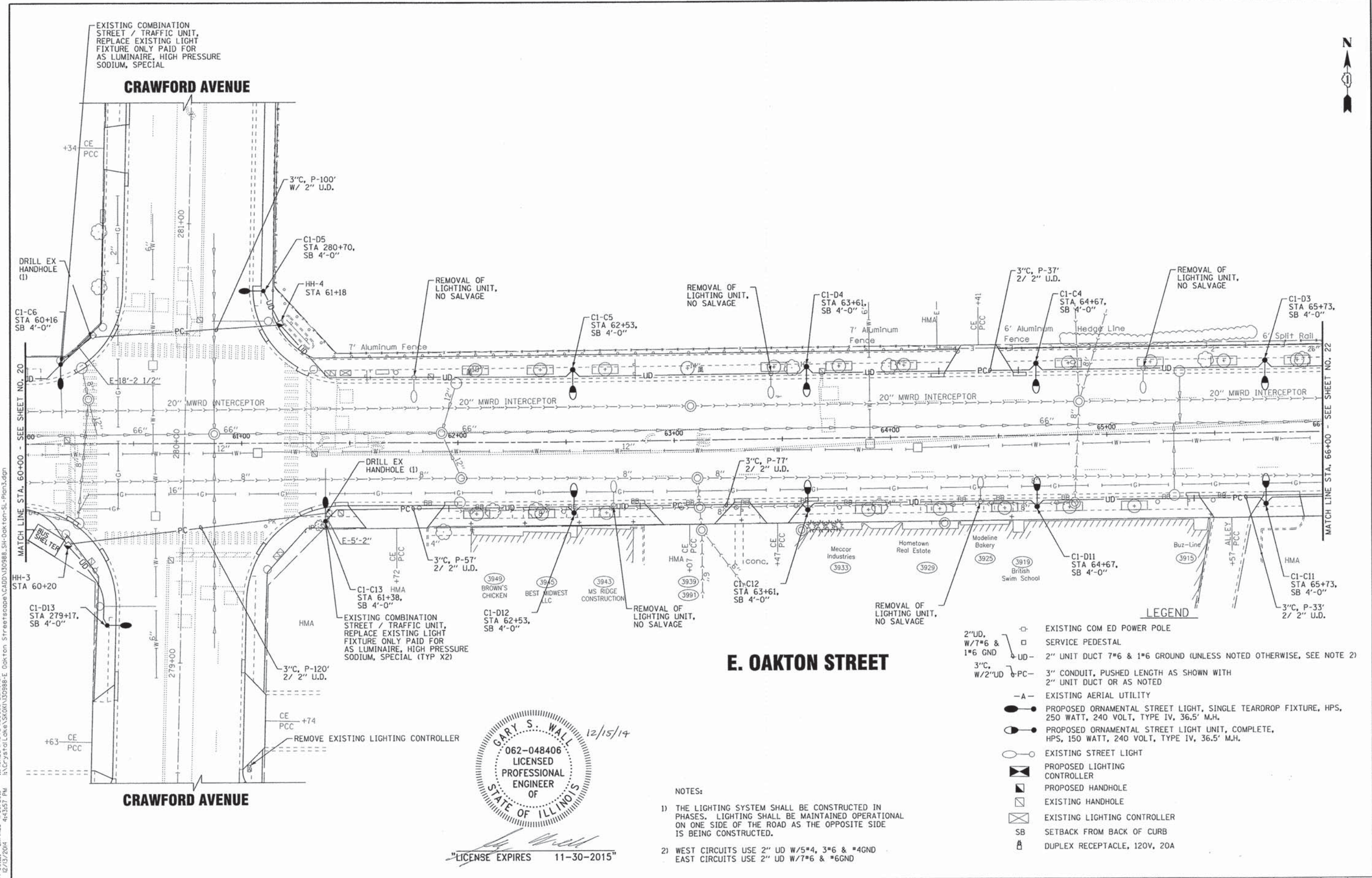
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING PLAN
E. OAKTON STREET

SCALE: 1"=20'
STA. 49+00 TO STA. 60+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	20
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001993				

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EXISTING COMBINATION STREET / TRAFFIC UNIT, REPLACE EXISTING LIGHT FIXTURE ONLY PAID FOR AS LUMINAIRE, HIGH PRESSURE SODIUM, SPECIAL

CRAWFORD AVENUE

E. OAKTON STREET

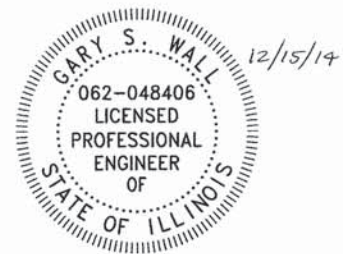
CRAWFORD AVENUE

LEGEND

- 2" UD, W/7*6 & 1*6 GND
 - 3" C, W/2" UD
 - PC
 - A
 -
 -
 -
 - ◻
 - ◻
 - SB
 - ⌚
- EXISTING COM ED POWER POLE
 - SERVICE PEDESTAL
 - 2" UNIT DUCT 7*6 & 1*6 GROUND (UNLESS NOTED OTHERWISE, SEE NOTE 2)
 - 3" CONDUIT, PUSHED LENGTH AS SHOWN WITH 2" UNIT DUCT OR AS NOTED
 - EXISTING AERIAL UTILITY
 - PROPOSED ORNAMENTAL STREET LIGHT, SINGLE TEARDROP FIXTURE, HPS, 250 WATT, 240 VOLT, TYPE IV, 36.5' M.H.
 - PROPOSED ORNAMENTAL STREET LIGHT UNIT, COMPLETE, HPS, 150 WATT, 240 VOLT, TYPE IV, 36.5' M.H.
 - EXISTING STREET LIGHT
 - PROPOSED LIGHTING CONTROLLER
 - PROPOSED HANDHOLE
 - EXISTING HANDHOLE
 - EXISTING LIGHTING CONTROLLER
 - SETBACK FROM BACK OF CURB
 - DUPLEX RECEPTACLE, 120V, 20A

NOTES:

- 1) THE LIGHTING SYSTEM SHALL BE CONSTRUCTED IN PHASES. LIGHTING SHALL BE MAINTAINED OPERATIONAL ON ONE SIDE OF THE ROAD AS THE OPPOSITE SIDE IS BEING CONSTRUCTED.
- 2) WEST CIRCUITS USE 2" UD W/5*4, 3*6 & *4GND
EAST CIRCUITS USE 2" UD W/7*6 & *6GND



"LICENSE EXPIRES 11-30-2015"

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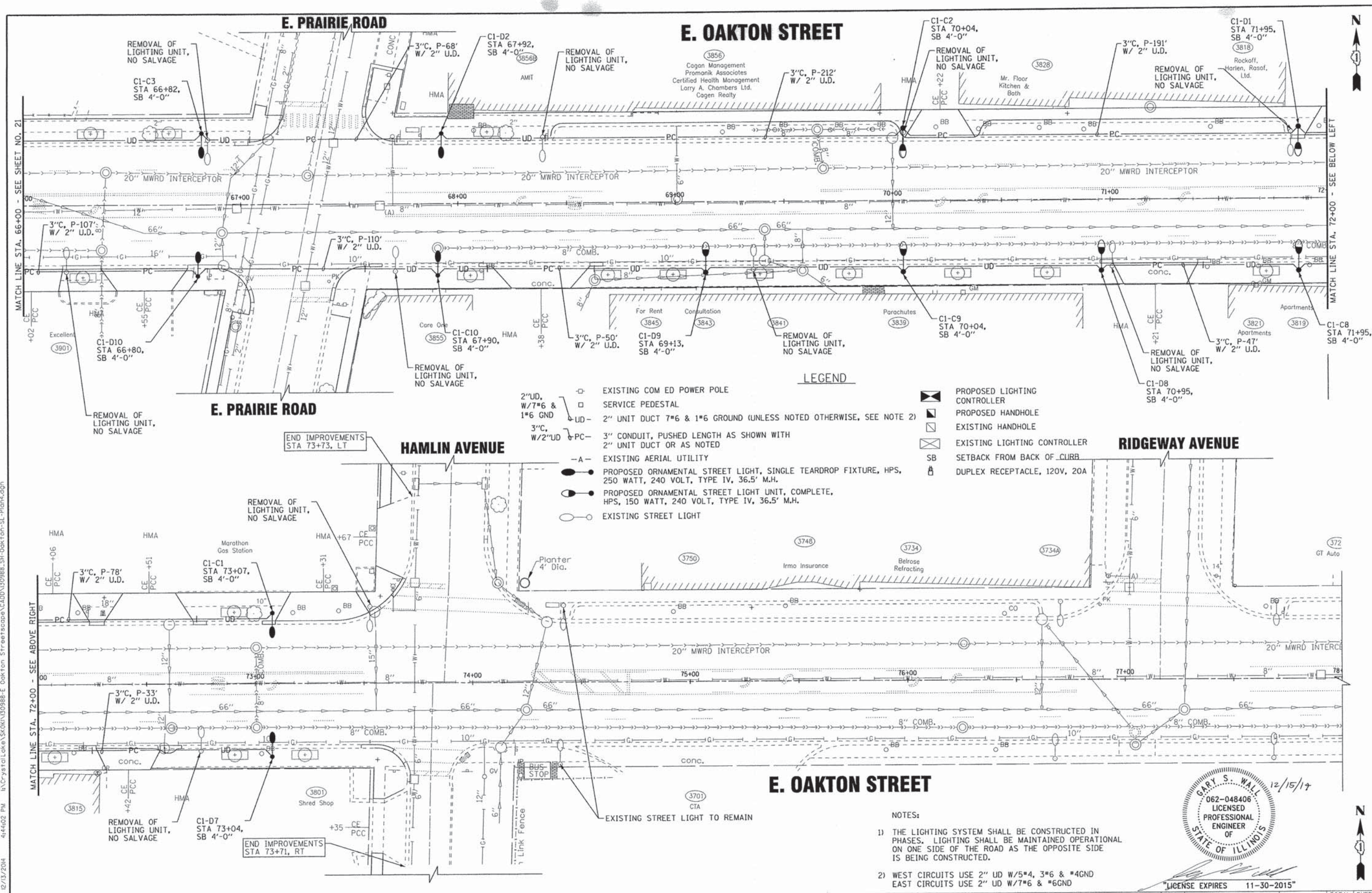
BAXTER & WOODMAN Consulting Engineers	DESIGNED - MWH	REVISED - 12-8-14 PER IDOT
	DRAWN - UKB	REVISED -
	CHECKED - GSW	REVISED -
	DATE - 10-15-14	FILE - 130988_SH-Oakton-SL-Plan3.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**STREET LIGHTING PLAN
E. OAKTON STREET**

SCALE: 1"=20'
STA. 60+00 TO STA. 66+00

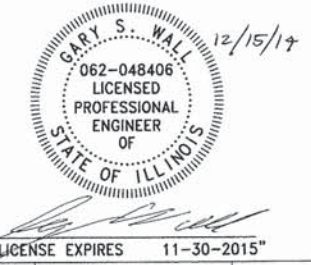
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	21
CONTRACT NO. 61B03			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT TE-0001(983)	



- LEGEND**
- EXISTING COM ED POWER POLE
 - SERVICE PEDESTAL
 - UD 2" UNIT DUCT 7*6 & 1*6 GROUND (UNLESS NOTED OTHERWISE, SEE NOTE 2)
 - PC 3" CONDUIT, PUSHED LENGTH AS SHOWN WITH 2" UNIT DUCT OR AS NOTED
 - A EXISTING AERIAL UTILITY
 - PROPOSED ORNAMENTAL STREET LIGHT, SINGLE TEARDROP FIXTURE, HPS, 250 WATT, 240 VOLT, TYPE IV, 36.5' M.H.
 - PROPOSED ORNAMENTAL STREET LIGHT UNIT, COMPLETE, HPS, 150 WATT, 240 VOLT, TYPE IV, 36.5' M.H.
 - EXISTING STREET LIGHT

- ◻ PROPOSED LIGHTING CONTROLLER
- ◻ PROPOSED HANDHOLE
- ◻ EXISTING HANDHOLE
- ◻ EXISTING LIGHTING CONTROLLER
- SB SETBACK FROM BACK OF CURB
- ⚡ DUPLEX RECEPTACLE, 120V, 20A

- NOTES:**
- 1) THE LIGHTING SYSTEM SHALL BE CONSTRUCTED IN PHASES. LIGHTING SHALL BE MAINTAINED OPERATIONAL ON ONE SIDE OF THE ROAD AS THE OPPOSITE SIDE IS BEING CONSTRUCTED.
 - 2) WEST CIRCUITS USE 2" UD W/5*4, 3*6 & *4GND
EAST CIRCUITS USE 2" UD W/7*6 & *6GND

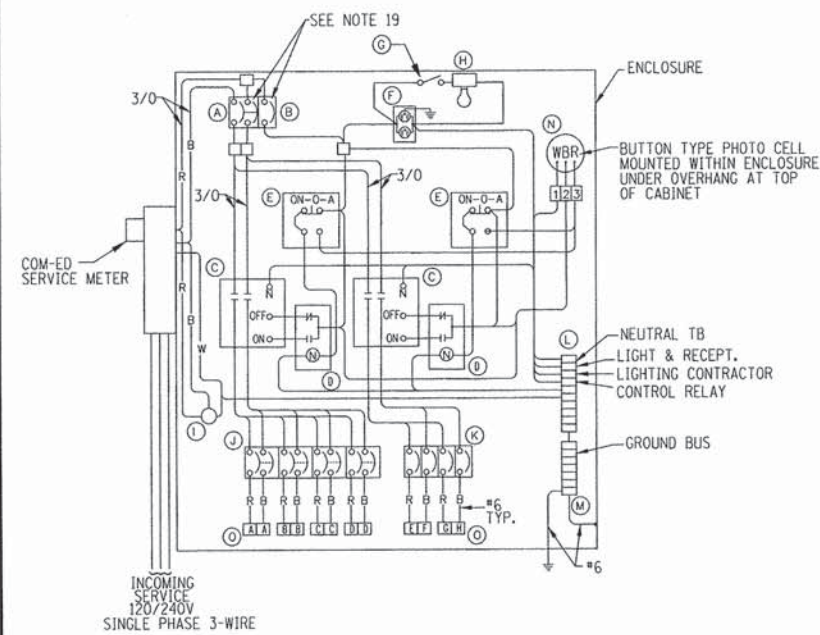
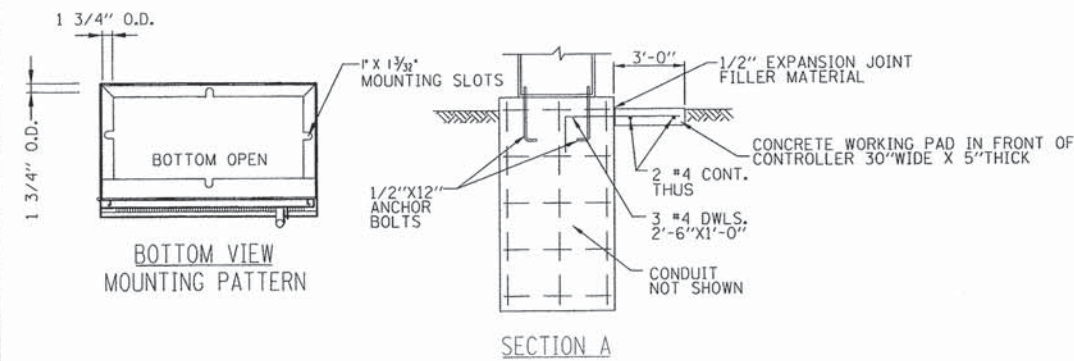
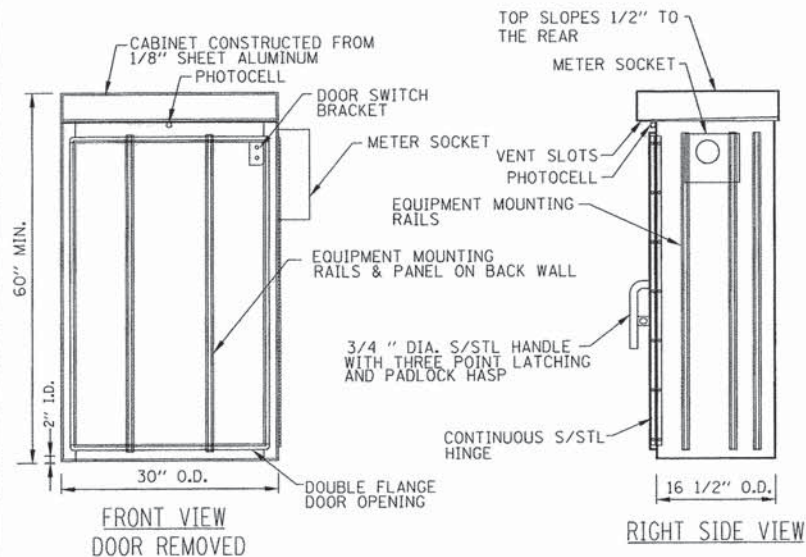


BAXTER & WOODMAN Consulting Engineers	DESIGNED - MWH	REVISED - 12-8-14 PER IDOT
	DRAWN - UKB	REVISED -
	CHECKED - GSW	REVISED -
	DATE - 10-15-14	FILE - 130988_SH-Oakton-SL-Plan4.dgn

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DEPARTMENT OF TRANSPORTATION

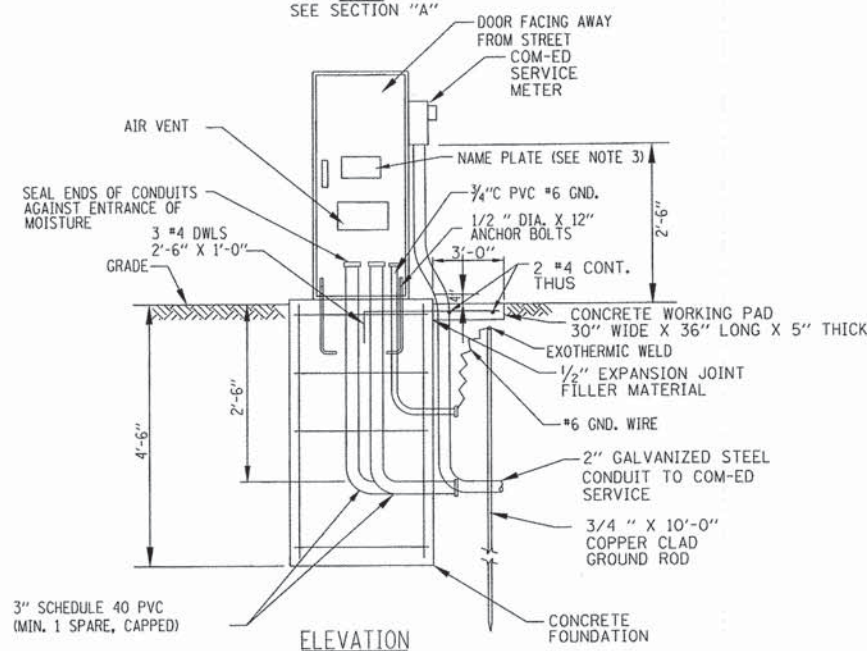
STREET LIGHTING PLAN		F.A.U. R.T.E. 1332		SECTION 14-00300-00-SW		COUNTY COOK		TOTAL SHEETS 32		SHEET NO. 22	
E. OAKTON STREET		SCALE: 1"=20'		STA. 66+00 TO STA. 78+00		CONTRACT NO. 61B03		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT TE-00019831			

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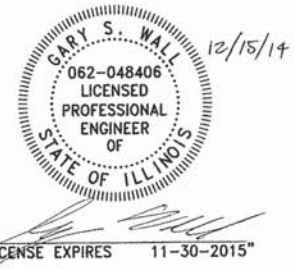
LIGHTING CONTROLLER WIRING DIAGRAM

NO SCALE



LIGHTING CONTROLLER AND FOUNDATION DETAIL

NO SCALE



ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240 V. SINGLE-PHASE, 200A, BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 22,000 RMS SYMMETRICAL AMPERES AT 240 V.
B	1	CONTROL CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, SINGLE-POLE, 120 V. SINGLE-PHASE 20 A. BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 14,000 RMS SYMMETRICAL AMPERES AT 120 V.
C	2	LIGHTING CONTACTOR MECHANICALLY HELD, SQUARE "D" IVO10600V 200A, 2-POLE, 600 V. WITH 120 COIL OR EQUAL
D	2	CONTROL RELAY CUTLER HAMMER D3PR2 RATED 12 A. AT 120 VAC OR EQUAL
E	2	ON-OFF-AUTO 3-POSITION SELECTOR SWITCH GE CR104P HEAVY DUTY SWITCH, RATED FOR 10 A. AT 600 VAC.
F	1	GFCI RECEPTACLE, 120 V., 20 A. SPEC. GRADE, NEMA CONFIG. 5-20R
G	1	SPDT LIMIT SWITCH WITH SIDE PUSH ROD PLUNGER SQUARE "D" 8B082 RATED 10 A. AT 120 V. OR EQUAL
H	1	60 WATT, 120 V., LIGHT FIXTURE, VAPOR TIGHT, WITH GLOBE, GUARD AND MOUNTING BOX.
I	1	SECONDARY SURGE ARRESTER SQUARE D SDSA1175, 175 VAC PHASE-TO-GROUND MAXIMUM OR EQUAL
J	4	BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240 V. SINGLE-PHASE, 60A, TRIP INTERRUPTING RATING 22,000 RMS SYMMETRICAL AMPERES AT 240 V.
K	4	BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, SINGLE-POLE, 120 V. SINGLE-PHASE 40 A., BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 14,000 RMS SYMMETRICAL AMPERES AT 120 V.
L	1	COPPER NEUTRAL BUS, 1" X 16" X 1/4"
M	1	COPPER GROUND BUS, 1" X 16" X 1/4"
N	1	PHOTOCELL, BUTTON TYPE
O	12	TERMINAL BLOCK RATED 600 V., 85A

NOTES

- CABINET SHALL BE FABRICATED FROM 0.125-INCH SHEET ALUMINUM, ALLOY 5052 FORMED AND ARC WELDED ASSEMBLY WITH NEMA 3R RATING.
- ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL.
- NAME PLATE SHALL HAVE ENGRAVED 0.75-INCH HIGH LETTERS FILLED IN BLACK: LINE ONE "VILLAGE OF SKOKIE", LINE TWO "STREET LIGHTING"
- CABINET SHALL BE PRIMED AND PAINTED. EXTERIOR FINISH SHALL BE DARK GREEN, BAKED ALKALI ENAMEL OVER CLEANED AND PHOSPHATIZED SURFACES.
- ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
- THE COMPLETED CONTROLLER AND ALL ELECTRICAL COMPONENTS SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508, AND SHOULD BE SERVICE ENTRANCE RATED.
- METAL MOUNTING PANEL SHALL BE #10 GAUGE GALVANIZED SHEET STEEL FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
- CIRCUIT BREAKERS AND CONTACTOR AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH THICK GLASTIC INSULATION BACK PANEL.
- ALL DEVICES SHALL BE FRONT REMOVABLE.
- BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. NEUTRAL BUS SHALL BE PAINTED WHITE. GROUND BUS SHALL BE PAINTED GREEN.
- ALL LUGS SHALL BE COPPER SCREWS AND CONNECTORS, SPRING HELD.
- ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
- ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
- ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW.
- A LAMINATED COPY OF THE CIRCUIT SCHEMATIC DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER.
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- SERVICE EQUIPMENT SHALL BE MARKED TO IDENTIFY IT AS BEING SUITABLE FOR USE AS SERVICE EQUIPMENT.
- INCLUDE SAFETY LABELS ON BREAKER, "WARNING - THIS DISCONNECT DOES NOT REMOVE ALL POWER FROM THIS PANEL".
- BRANCH CIRCUIT BREAKERS 'E' & 'F' AND 'G' & 'H' RESPECTIVELY, SHALL BE INTERLOCKED IN PAIRS WITH HANDLE TIES.

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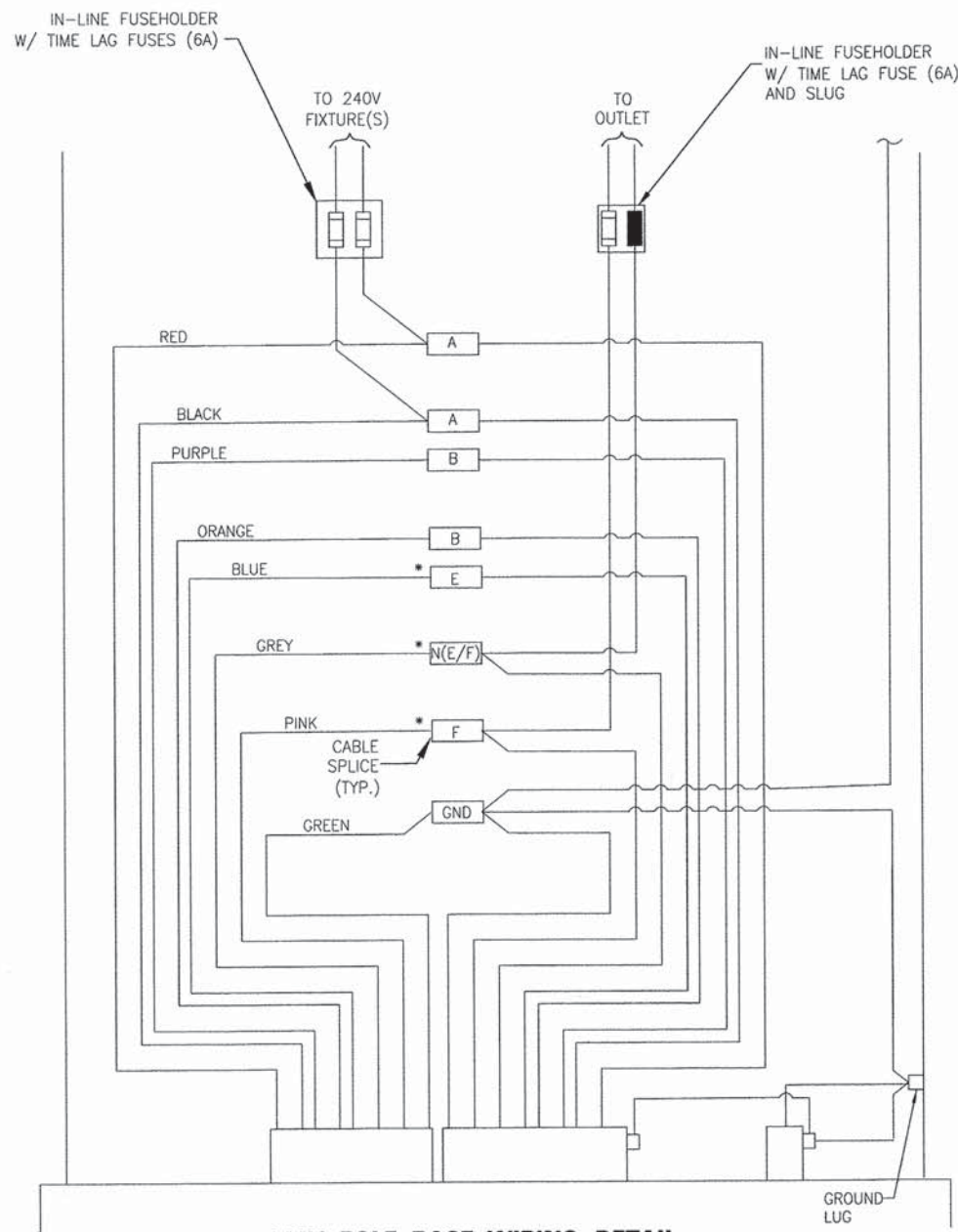
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING DETAILS

SCALE: NONE

STA. TO STA.

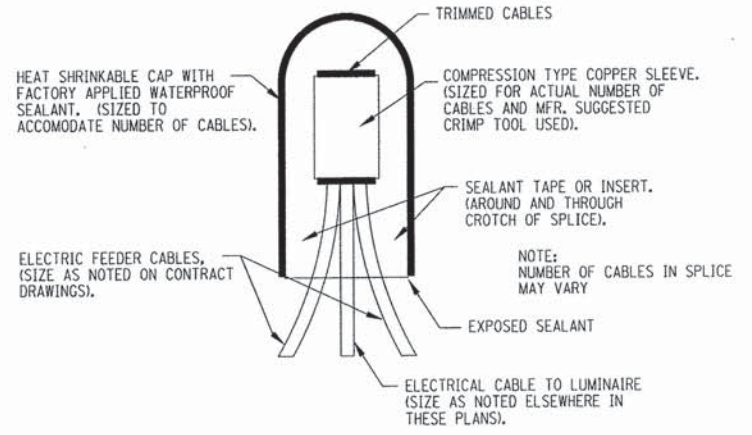
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	23
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001983				



240V POLE BASE WIRING DETAIL

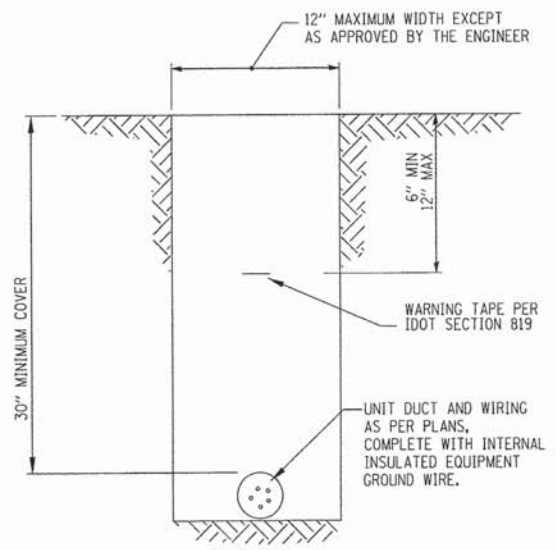
NO SCALE

*NOTE: ALTERNATE PHASE CIRCUITING OF FESTOONS AND LUMINAIRES AS SHOWN ON SINGLE LINE DIAGRAM (SHTS. 17 AND 18)



SPLICING ELECTRICAL CABLES
BASIC MATERIALS AND METHODS

NO SCALE



TYPICAL WIRING IN TRENCH DETAIL

NO SCALE



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 TEL: 312.464.1100
 FAX: 312.464.1101
 WWW.BAXTERANDWOODMAN.COM

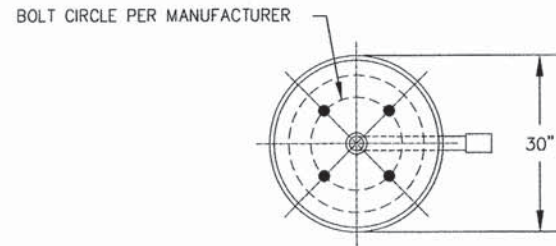
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DATE - 10-15-14	FILE - 130988_SH-SL-Details.dgn

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DEPARTMENT OF TRANSPORTATION

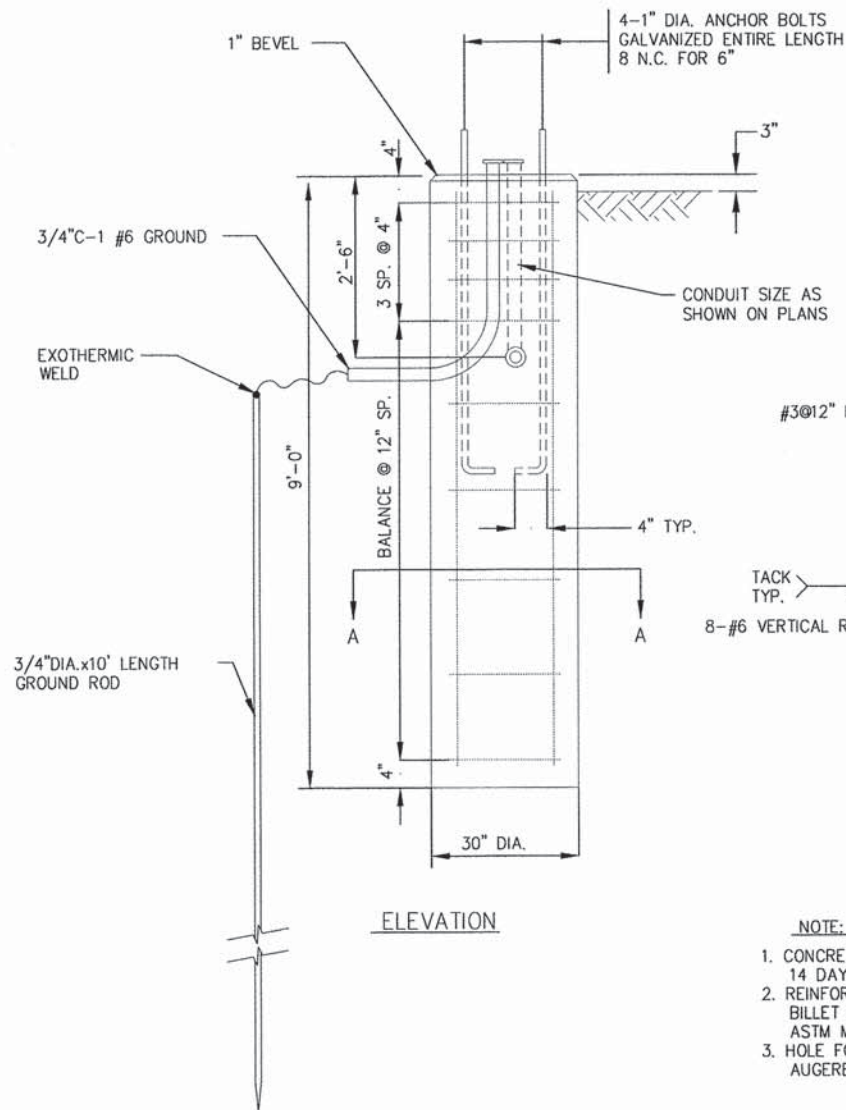
STREET LIGHTING DETAILS

SCALE: NONE STA. TO STA.

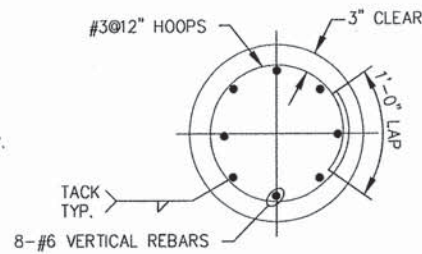
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	24
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT TE-00D(1983)				



TOP VIEW



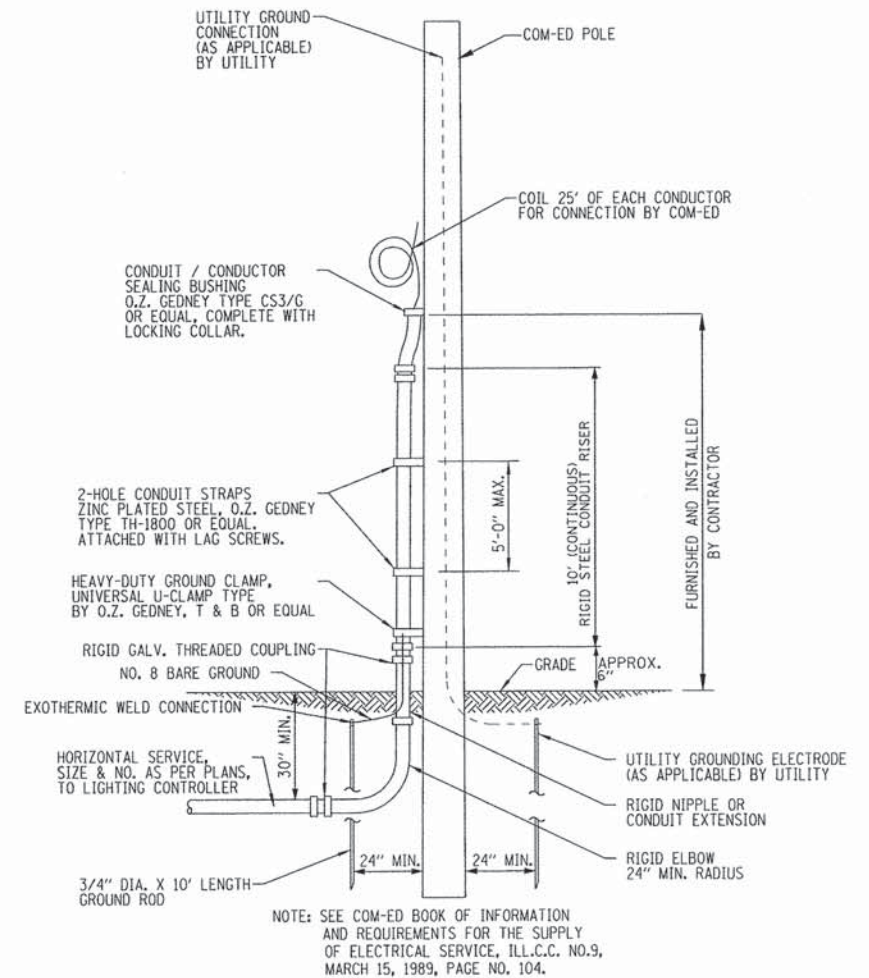
ELEVATION



SECTION A-A

- NOTE:
1. CONCRETE SHALL BE 3500 PSI AT 14 DAYS. (CLASS SI)
 2. REINFORCING BARS SHALL BE OF NEW BILLET STEEL AND DEFORMED ASTM M42M (M42)
 3. HOLE FOR THE FOUNDATION SHALL BE AUGERED

LIGHT UNIT - FOUNDATION
NO SCALE



COM-ED OVERHEAD CONNECTION

NO SCALE

NOTES:

1. UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC SERVICE INSTALLATION PAY ITEM.
2. HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED ON PLANS AND SHALL BE MEASURED SEPARATELY FOR PAYMENT.



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CHECKED - GSW	REVISED -
DATE - 10-15-14	FILE - 130988.SH-SL-Details.dgn

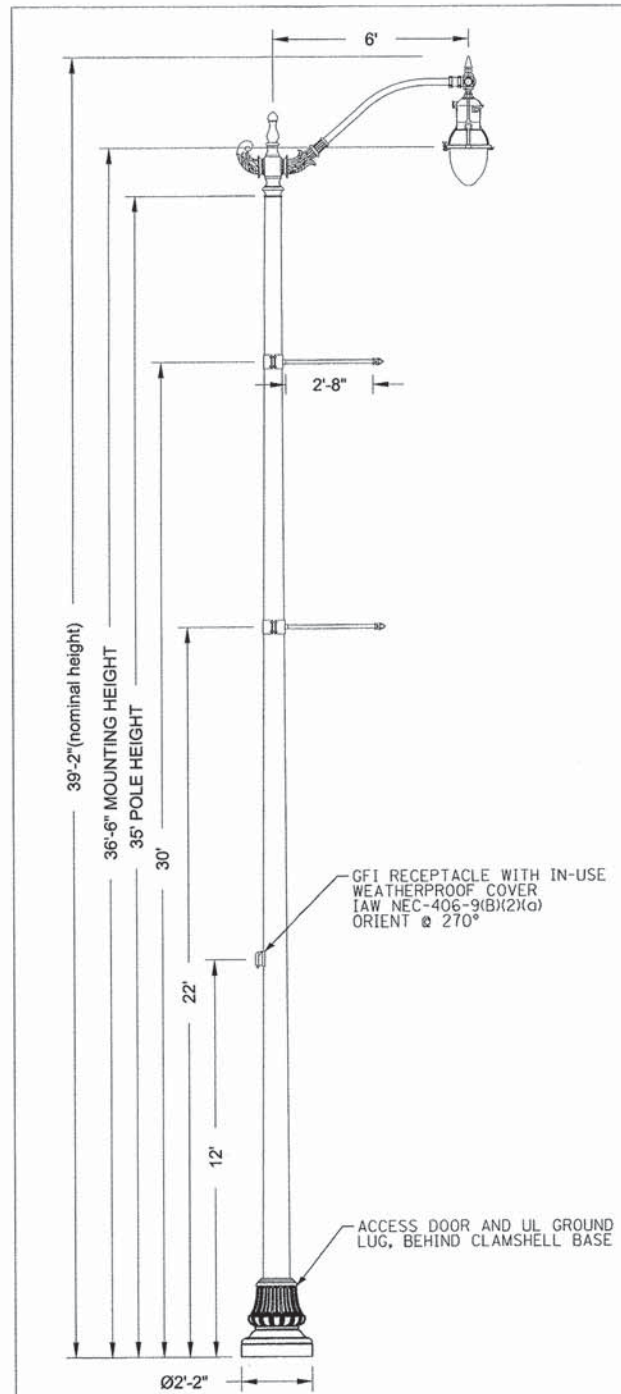
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING DETAILS

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	25
CONTRACT NO. 61803				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001(983)				



Specifications

POLE DESCRIPTION
The aluminum post shall be one piece in construction and complete assembly will compose of a Ø26" clamshell base, mounted around the base, and a West Liberty series single roadway arm mounted atop the post. Two 32" clamp on banner arms (Ø1.5") and a duplex receptacle with small white in-use weatherproof cover will mount at specified heights and orientations.

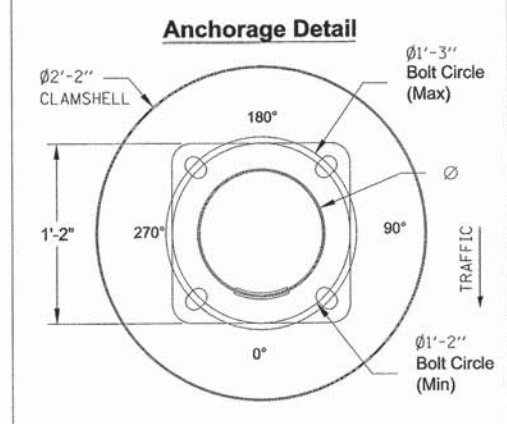
MATERIALS
The post shall be fabricated to meet AASHTO 2009 90 MPH requirements. Welds conform to applicable AWS structural welding code. Pole shaft is one piece, 6063 aluminum alloy, heat treated to a T6 temper. Pole base shall be 356 or A356 aluminum alloy, heat treated to a T6 temper after welding. A 2" x 4" minimum hand hole (covers and fasteners included) will mount 18" above the base of the post and will be concealed by the cast aluminum clamshell base.

DIMENSIONS
The post will be 35'-0" in height with a 14" square base plate. The post shaft shall be .312" thick with a Ø10" shaft base. The base plate will accept Ø1.25" anchor bolts on a Ø14" - Ø15" bolt circle (3.25" bolt projection). The roadway arm will span 72" from shaft center to luminaire center.

LUMINAIRE DESCRIPTION
- Memphis Utility Series Fixture
- 250 Watt High Pressure Sodium (Mogul), Multivolt (Prewired 240V)
- Teardrop Type IV Glass Optics
- Black Finish
- Protected Starter
For complete specifications see LUM_MPU.

Accessory Mounting Detail

	Orientation	Height
FGIUS-SBKH	270°	12'-0"
Clamp-On		Shaft Ø
BA32A/1.5/CO-CA/BKH	90°	6.5"
BA32A/1.5/CO-CA/BKH	90°	7.5"



Catalog #'s:
RTA35G1C4BKU787C - WLC72/1CABKH - C26CSBU055A - (2)BA32A/1.5/CO-CABKH - HAP-FGIUS - AB - RFD55051 - WLLF200SCABK - MPU250HPMCB4PS S-67578



Village of Skokie Skokie, IL

ORDER #: 2061-11-10046-3	TYPE:	DRAWING #:
REVISION:	REVISION DATE:	TSG 006585
DRAWN: KRW	ORIGIN DATE: 10/12/11	PAGE: 1 of 1

THIS DRAWING, WHEN APPROVED, SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE FURNISHED BY HOLOPHANE ON THE ORDER NOTED ABOVE. A UNIT OF SIMILAR DESIGN MAY BE SUPPLIED, BUT ONLY AFTER APPROVAL BY THE CUSTOMER IN WRITING. ON POLE ORDERS AN ANCHOR BOLT TEMPLATE PRINT WILL BE SUPPLIED WITH EACH ANCHOR BOLT ORDER TO MATCH THE POLE PROVIDED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS CONDITION THAT IT WILL NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS, AND ONLY IN CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE.

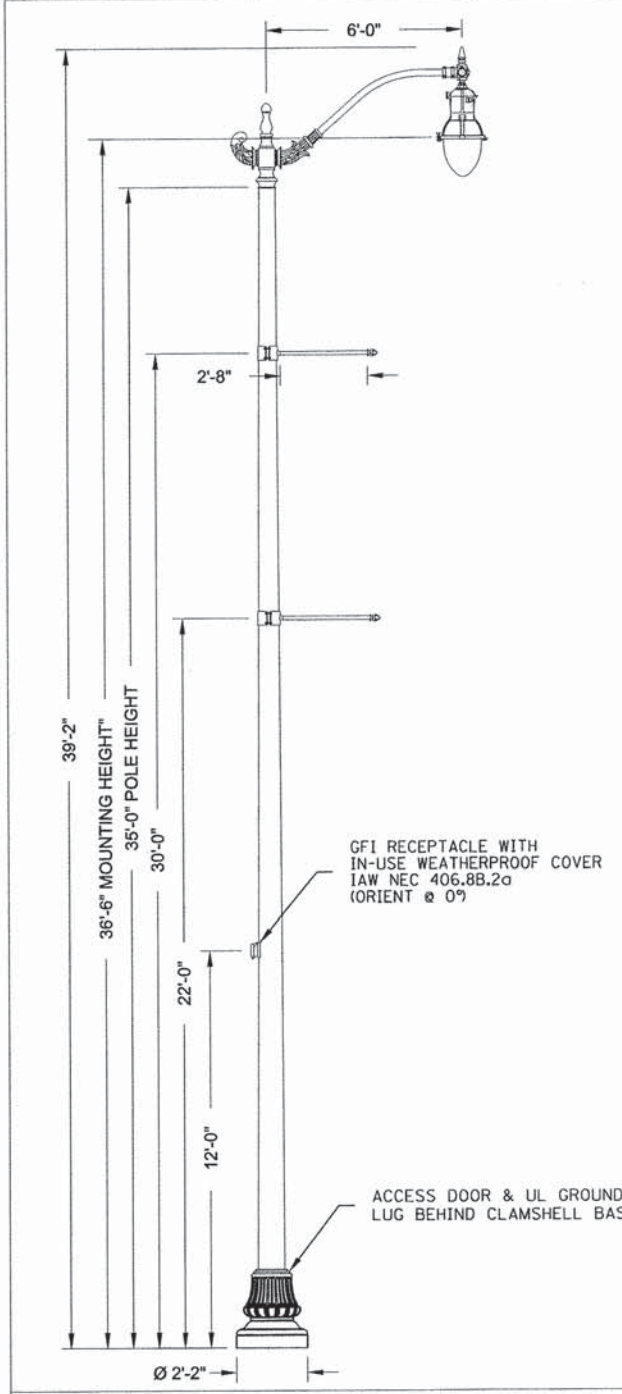
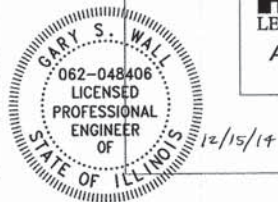
ORNAMENTAL STREET LIGHTING - SINGLE TEARDROP FIXTURE

NOTE: POLES SHALL BE MANUFACTURED TO MEET LATEST AASHTO REQUIREMENTS WITH ACCESSORIES SHOWN.

NO SCALE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Specifications

POLE DESCRIPTION
The aluminum post shall be one piece in construction and complete assembly will compose of a Ø26" clamshell base, mounted around the base, and a West Liberty series single roadway arm mounted atop the post. Two 32" clamp on banner arms and a duplex receptacle with small white in-use weatherproof cover will mount at specified heights and orientations.

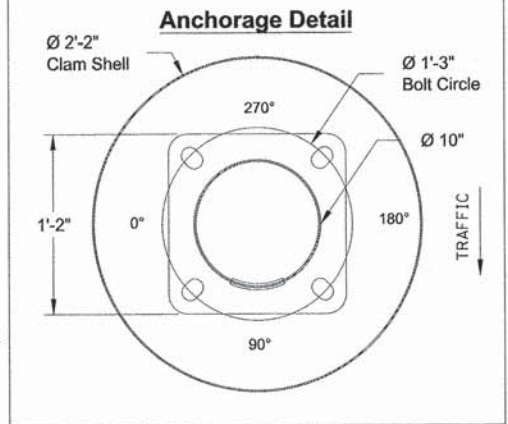
MATERIALS
Welds conform to applicable AWS structural welding code. Pole shaft is one piece, 6063 aluminum alloy, heat treated to a T6 temper. Pole base shall be 356 or A356 aluminum alloy, heat treated to a T6 temper after welding. A 2" x 4" minimum hand hole (covers and fasteners included) will mount 18" above the base of the post and will be concealed by the cast aluminum clamshell base.

DIMENSIONS
The post will be 35'-0" in height with a 14" square base plate. The post shaft shall be .312" thick with a Ø10" shaft base. The base plate will accept Ø1.25" anchor bolts on a Ø15" bolt circle (3.25" bolt projection). The roadway arm will span 72" from shaft center to luminaire center.

LUMINAIRE DESCRIPTION
- Memphis Utility Series Fixture
- 150 Watt High Pressure Sodium (Mogul), Multivolt (Prewired 240V)
- Teardrop Type IV Glass Optics (IES Classification SC-3)
- Black Finish
- Protected Starter
For complete specifications see LUM_MPU.

Accessory Mounting Detail

	Orientation	Height
FGIUS-SBKH	0°	12'-0"
Clamp-On		Shaft Ø
BA32A/1/CO-CA/BKH	180°	6.5"
BA32A/1/CO-CA/BKH	180°	7.5"



Catalog #'s:
(AOL-24615)RTA35G1C4-BKH - WLC72/1-CA/BKH - C26CSB-CA/BKH - (2)BA32A/1/CO-CA/BKH - HAP-FGIUS-SBKH - WLLF/200-SCABK - MPU150HPMCB4 PS



ORNAMENTAL STREET LIGHT UNIT, COMPLETE

NOTE: POLES SHALL BE MANUFACTURED TO MEET LATEST AASHTO REQUIREMENTS WITH ACCESSORIES SHOWN.

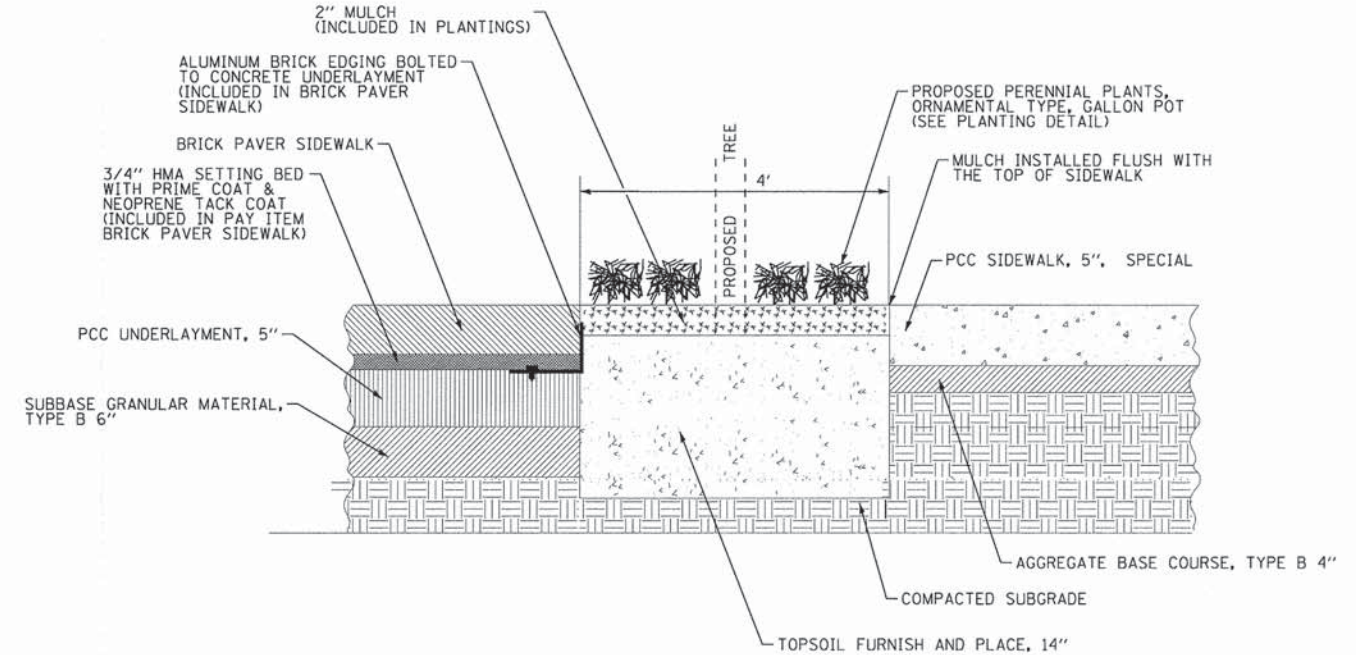
NO SCALE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT TE-0001983				

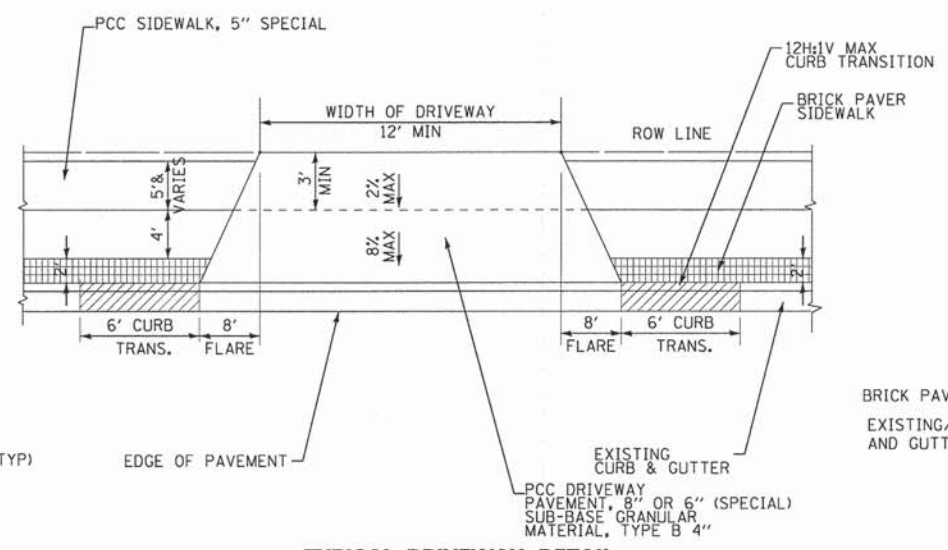
STREET LIGHTING DETAILS

SCALE: NONE STA. TO STA.

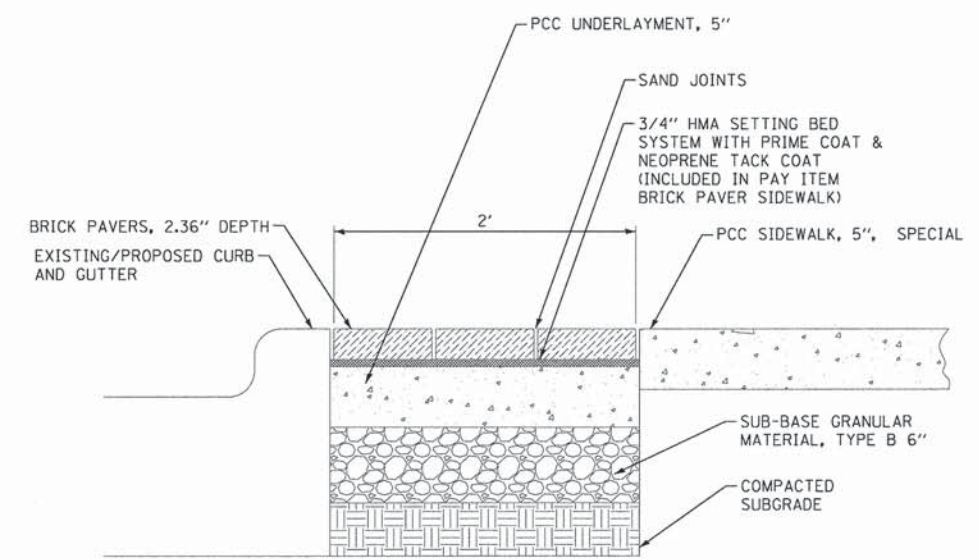
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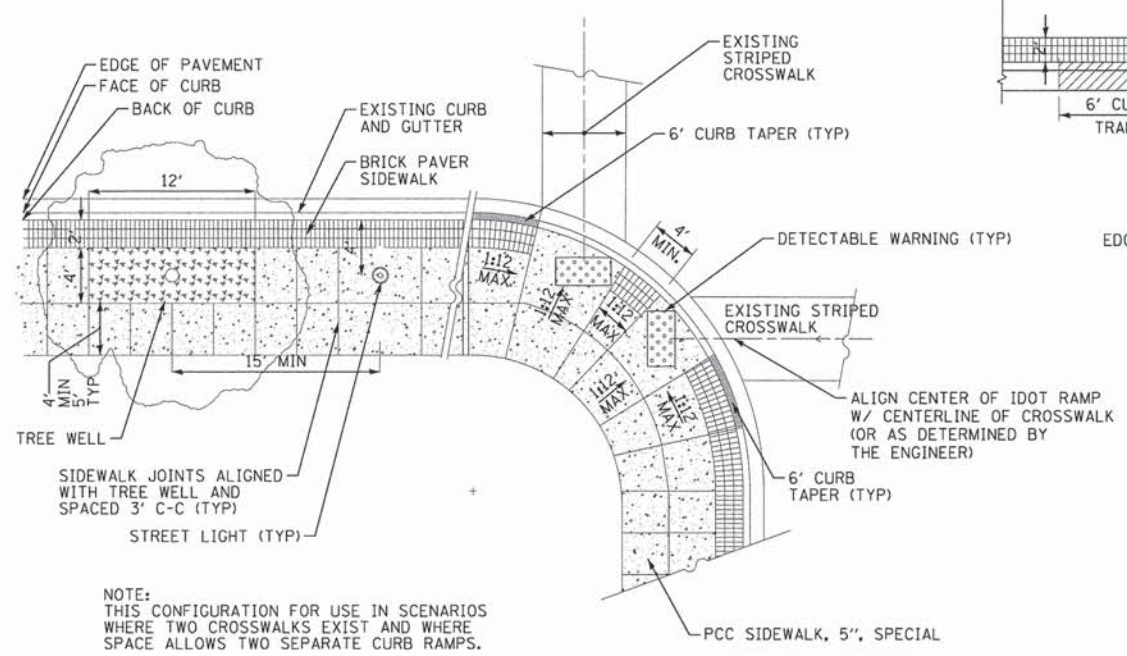
TREE WELL DETAIL
NOT TO SCALE



TYPICAL DRIVEWAY DETAIL
NOT TO SCALE



BRICK PAVER SIDEWALK
NOT TO SCALE



NOTE:
THIS CONFIGURATION FOR USE IN SCENARIOS WHERE TWO CROSSWALKS EXIST AND WHERE SPACE ALLOWS TWO SEPARATE CURB RAMPS.

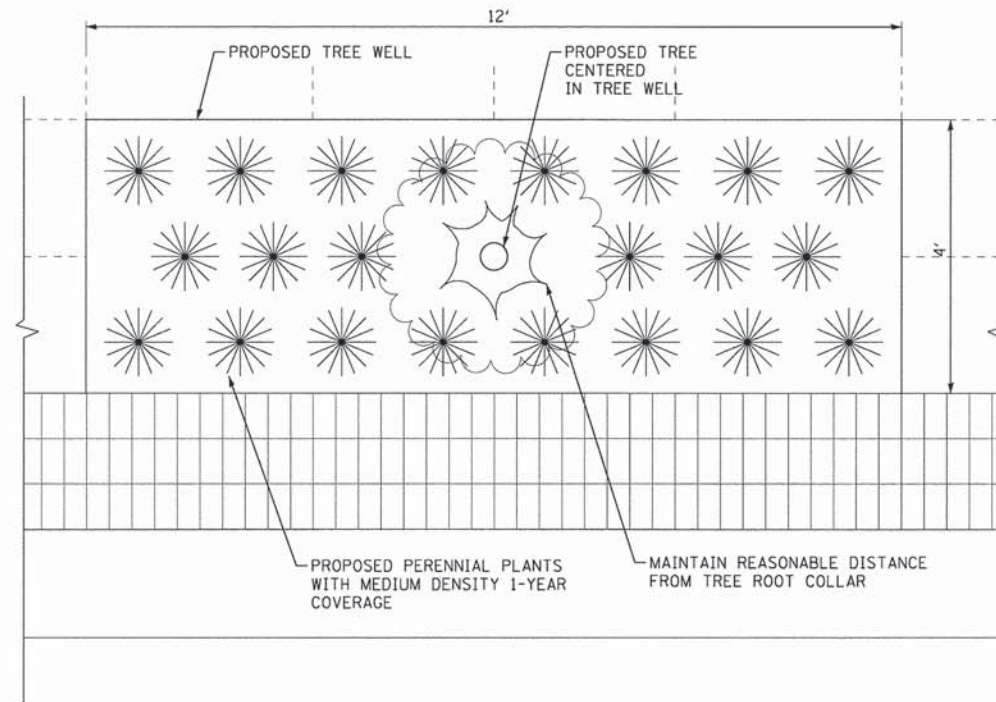
STREETSCAPE TYPICAL PLAN
NOT TO SCALE

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DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE		1332	14-00300-00-SW	COOK	32	27
STA. TO STA.		CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001983						

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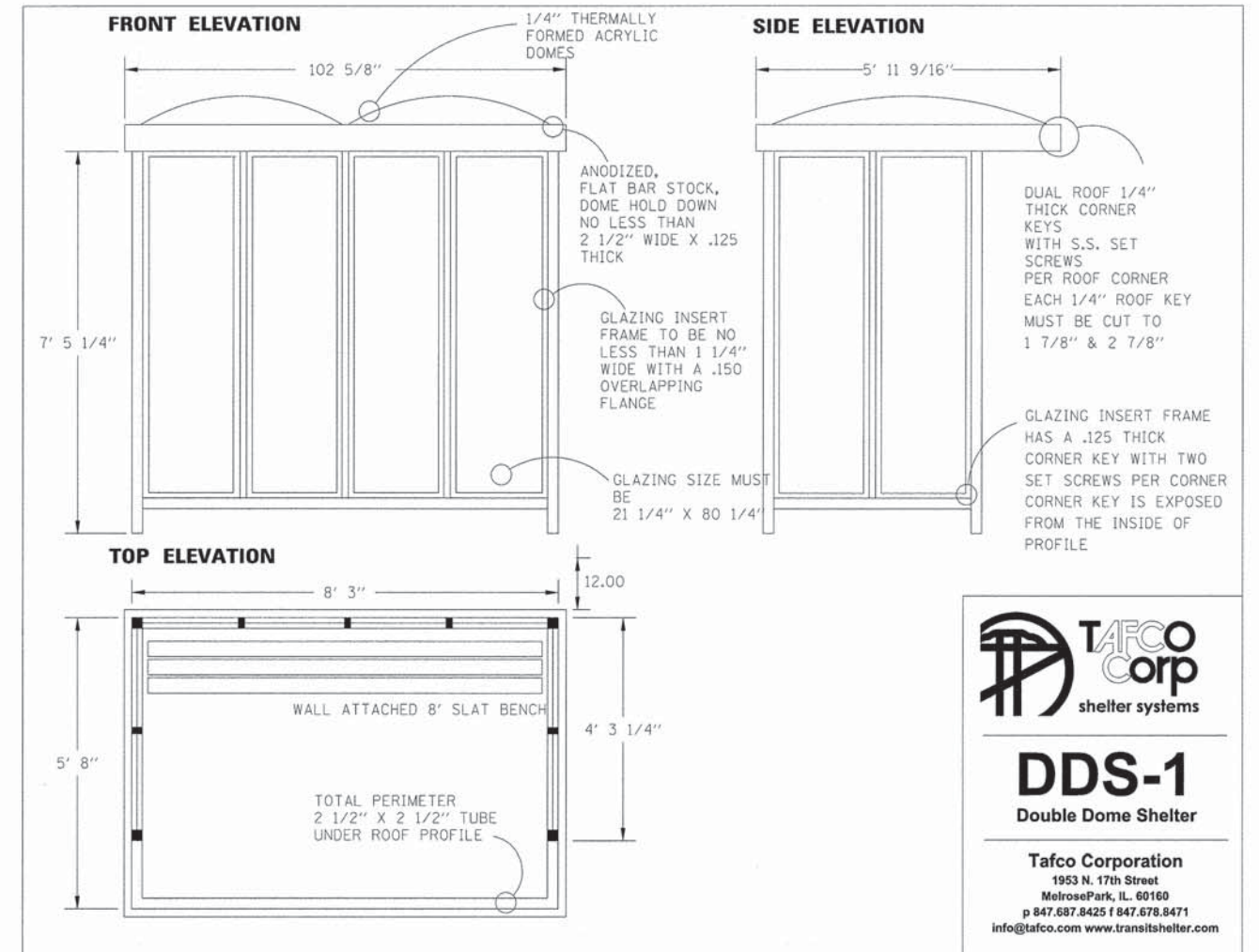


NOTES:

1. PATTERNS SHALL BE ALL THE SAME PLANT TYPE IN A TREE WELL.
2. PAID FOR AS PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT.
3. SELECTED PLANTS FOR EACH PATTERN AND CORRESPONDING SYMBOL SHOWN ON PLANS ARE AS FOLLOWS.
4. MEDIUM DENSITY, 1-YEAR COVERAGE SPACING OF PATTERNS SHALL BE SPECIFIC TO EACH PLANT TYPE.

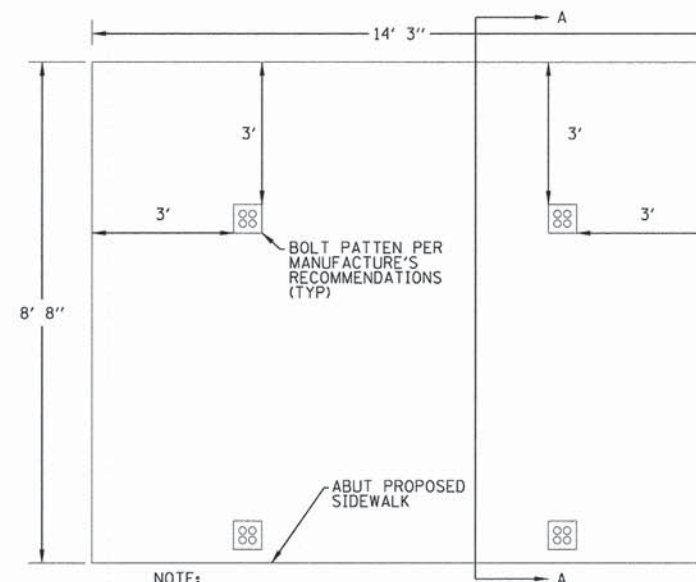
SYMBOL	PERENNIAL PLANT TYPE	SIZE	NO. GAL PER TREE WELL	SPACING
①	GOLDSTRUM BLACK-EYED SUSAN	1 GAL	22	18" OC
②	KARL FORESTER FEATHER REED GRASS	1 GAL	12	24" OC
③	WALKERS LOW CATMINT	1 GAL	12	24" OC
④	HAPPY RETURNS DAYLILY	1 GAL	22	18" OC
⑤	PICA BELLA CONEFLOWER	1 GAL	22	18" OC
⑥	BETONY HUMMEL	1 GAL	22	18" OC

TREE WELL PLANTING DETAIL



DDS-1
Double Dome Shelter

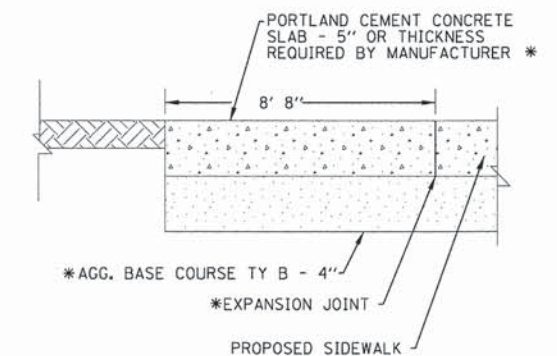
Tafco Corporation
1953 N. 17th Street
MelrosePark, IL. 60160
p 847.687.8425 f 847.678.8471
info@tafco.com www.transitshelter.com



NOTE:
DIMENSIONS SHOWN ARE FOR NEW BUS SHELTERS. ADJUST DIMENSIONS FOR EXISTING BUS SHELTERS.

BUS SHELTER SLAB DETAILS

NOT TO SCALE



* INCLUDED IN COST OF BUS SHELTER OR BUS SHELTER REMOVAL AND RELOCATE

SECTION A-A

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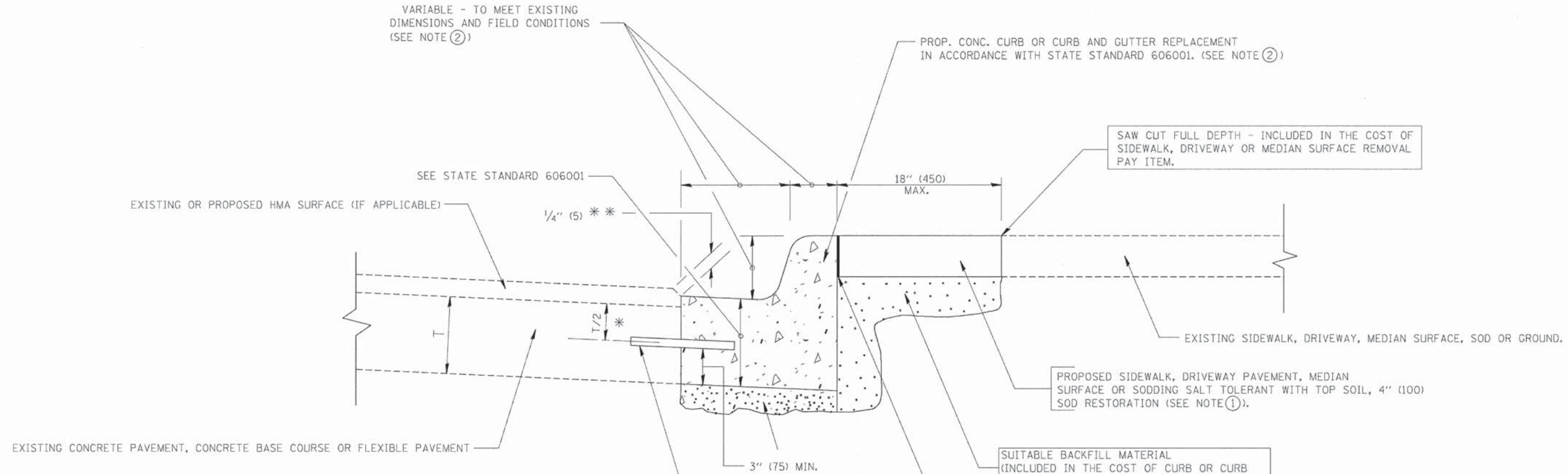
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DETAILS

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	28
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT TE-00D(1983)				



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

- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY. SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE STA. TO STA.

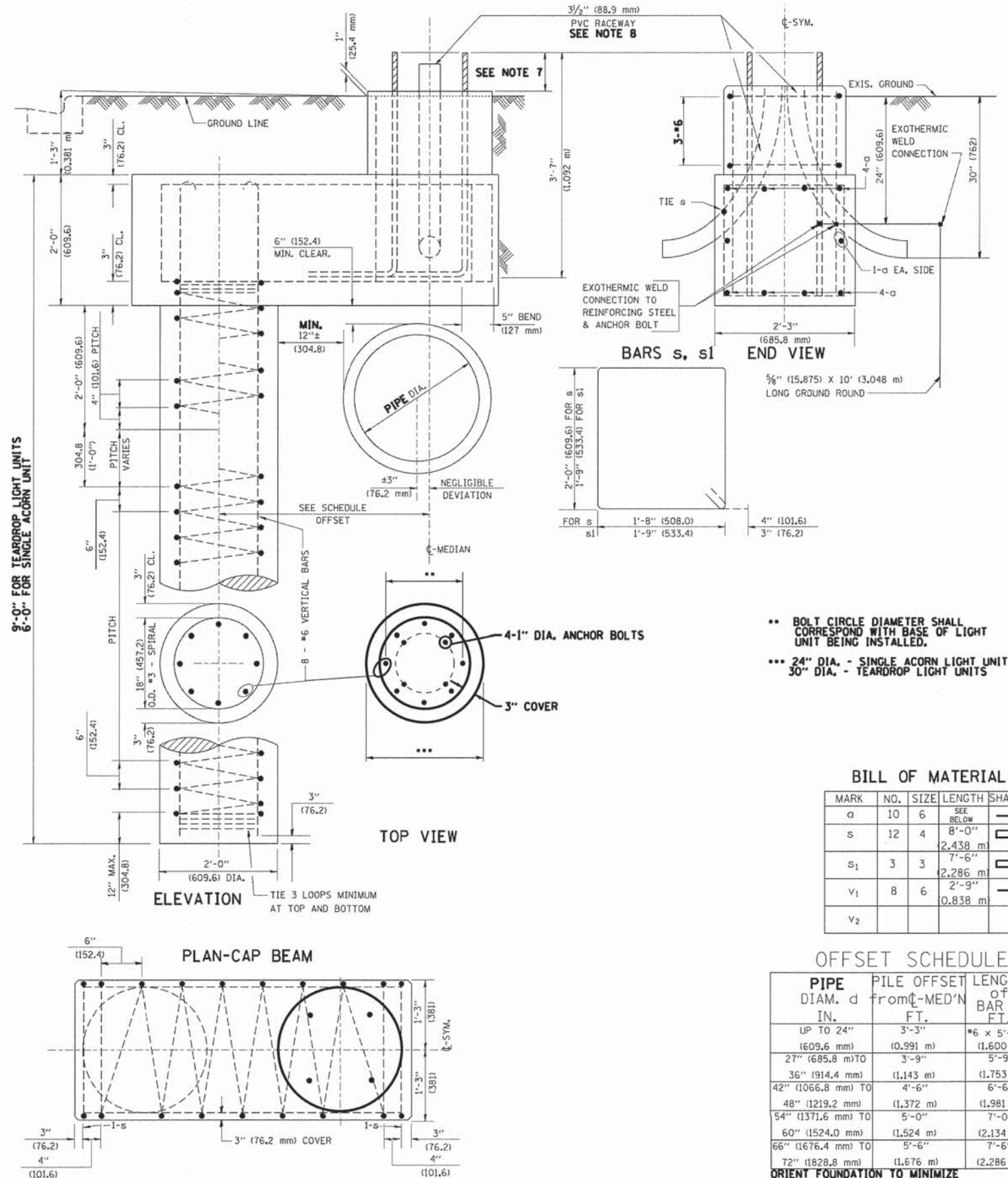
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	29
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT TE-0001983				

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENSION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.



- BOLT CIRCLE DIAMETER SHALL CORRESPOND WITH BASE OF LIGHT UNIT BEING INSTALLED.
- 24" DIA. - SINGLE ACORN LIGHT UNIT
- 30" DIA. - TEARDROP LIGHT UNITS

BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s ₁	3	3	7'-6" (2.286 m)	□
v ₁	8	6	2'-9" (0.838 m)	—
v ₂				

OFFSET SCHEDULE

PIPE DIAM. d IN.	PILE OFFSET FROM C-MED'N FT.	LENGTH OF BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

ORIENT FOUNDATION TO MINIMIZE LENGTH OF OFFSET.

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Consulting Engineers

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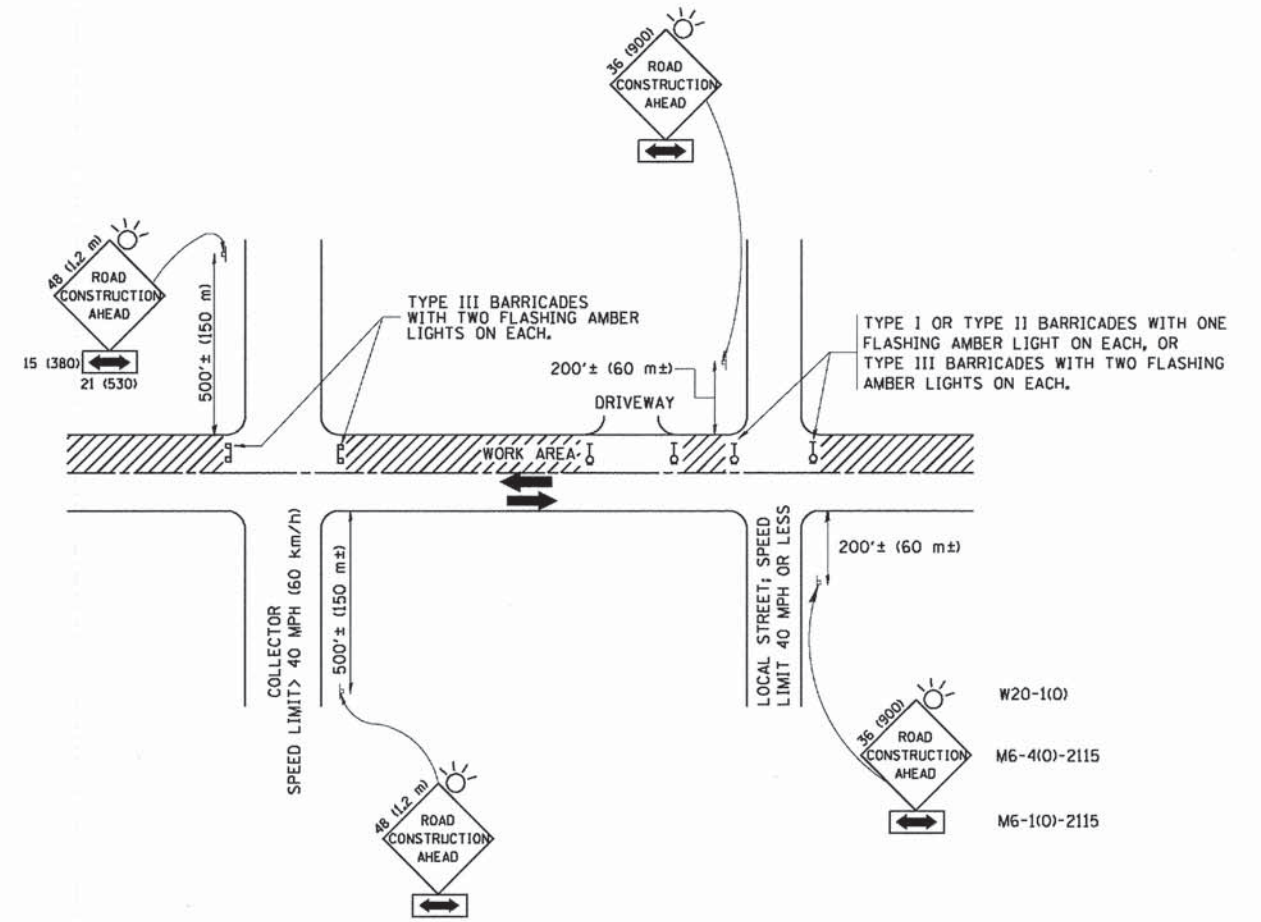
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LIGHT POLE FOUNDATION OFFSET
40' (12.192 m) TO 47 1/2" (14.478 m) M.H.
15" (381 mm) BOLT CIRCLE

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	30
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT TE-0001983				



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 - 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
 - USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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W:\disto\22x34\1010.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 88.0000 / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2009	DATE - 06-09	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

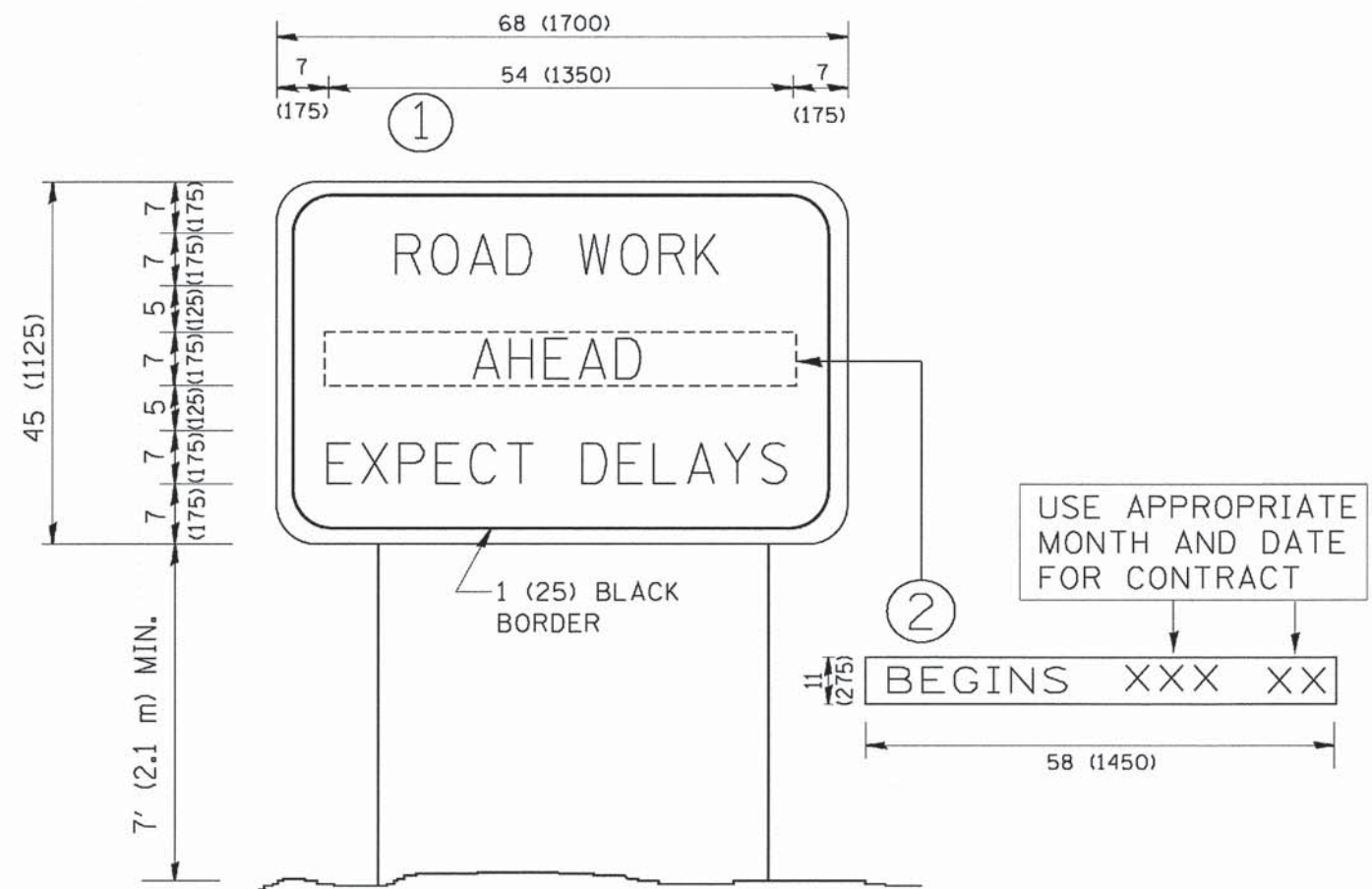
TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	31
TC-10			CONTRACT NO. 61803	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT TE-0001983				

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NOTES:

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

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

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		DRAWN -	REVISED -
		-	R. MIRS 12-11-97
		CHECKED -	REVISED -
		-	T. RAMMACHER 02-02-99
		DATE -	REVISED -
		-	C. JUICIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

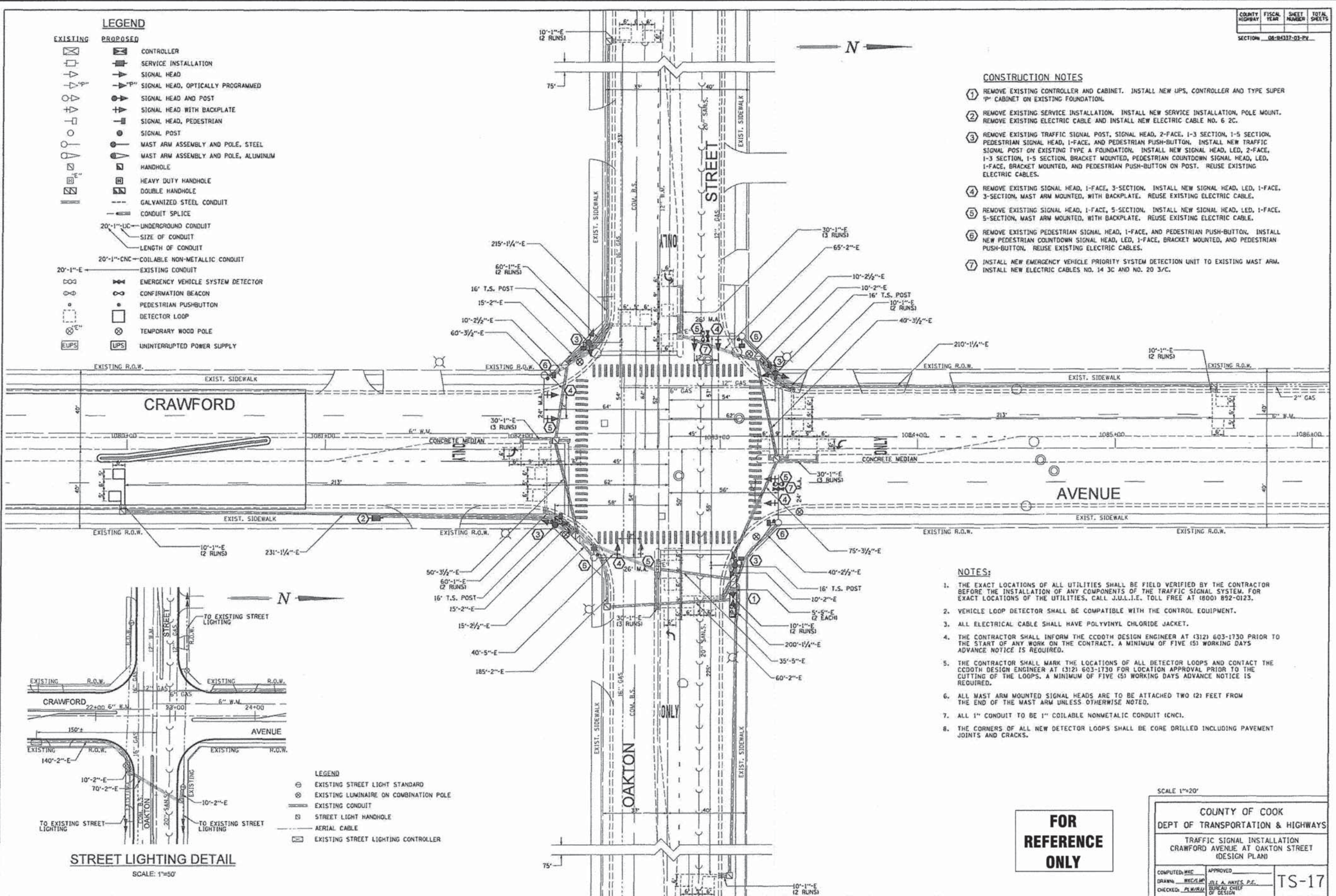
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	32
TC-22		CONTRACT NO. 61B03		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT (E-0001983)				

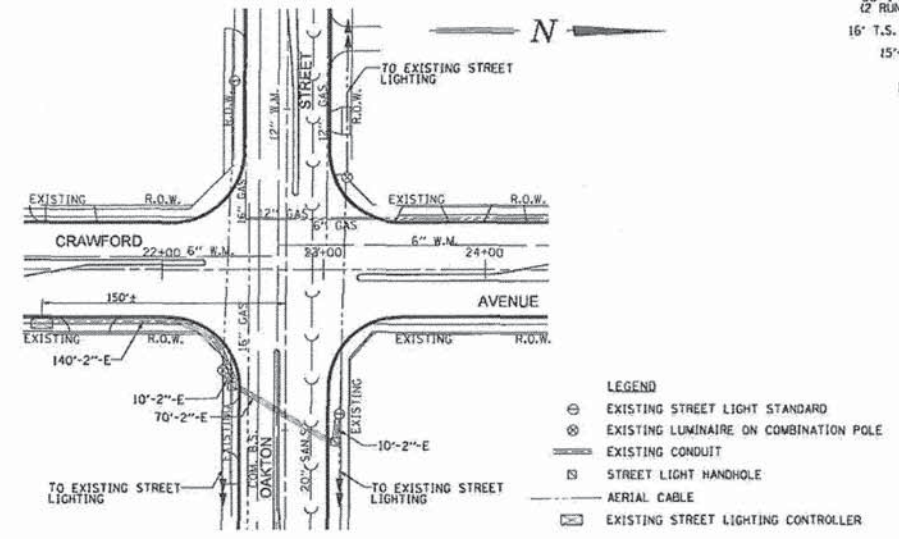
LEGEND

EXISTING	PROPOSED	DESCRIPTION
		CONTROLLER
		SERVICE INSTALLATION
		SIGNAL HEAD
		SIGNAL HEAD, OPTICALLY PROGRAMMED
		SIGNAL HEAD AND POST
		SIGNAL HEAD WITH BACKPLATE
		SIGNAL HEAD, PEDESTRIAN
		SIGNAL POST
		MAST ARM ASSEMBLY AND POLE, STEEL
		MAST ARM ASSEMBLY AND POLE, ALUMINUM
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		GALVANIZED STEEL CONDUIT
		CONDUIT SPLICE
		20'-1" UNDERGROUND CONDUIT
		SIZE OF CONDUIT
		LENGTH OF CONDUIT
		20'-1" COILABLE NON-METALLIC CONDUIT
		EXISTING CONDUIT
		EMERGENCY VEHICLE SYSTEM DETECTOR
		CONFIRMATION BEACON
		PEDESTRIAN PUSHBUTTON
		DETECTOR LOOP
		TEMPORARY WOOD POLE
		UNINTERRUPTED POWER SUPPLY

- CONSTRUCTION NOTES**
- REMOVE EXISTING CONTROLLER AND CABINET. INSTALL NEW UPS, CONTROLLER AND TYPE SUPER 'P' CABINET ON EXISTING FOUNDATION.
 - REMOVE EXISTING SERVICE INSTALLATION. INSTALL NEW SERVICE INSTALLATION, POLE MOUNT. REMOVE EXISTING ELECTRIC CABLE AND INSTALL NEW ELECTRIC CABLE NO. 6 2C.
 - REMOVE EXISTING TRAFFIC SIGNAL POST, SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, PEDESTRIAN SIGNAL HEAD, 1-FACE, AND PEDESTRIAN PUSH-BUTTON. INSTALL NEW TRAFFIC SIGNAL POST ON EXISTING TYPE A FOUNDATION. INSTALL NEW SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED, PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED, AND PEDESTRIAN PUSH-BUTTON ON POST. REUSE EXISTING ELECTRIC CABLES.
 - REMOVE EXISTING SIGNAL HEAD, 1-FACE, 3-SECTION. INSTALL NEW SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED, WITH BACKPLATE. REUSE EXISTING ELECTRIC CABLE.
 - REMOVE EXISTING SIGNAL HEAD, 1-FACE, 5-SECTION. INSTALL NEW SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED, WITH BACKPLATE. REUSE EXISTING ELECTRIC CABLE.
 - REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, 1-FACE, AND PEDESTRIAN PUSH-BUTTON. INSTALL NEW PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED, AND PEDESTRIAN PUSH-BUTTON. REUSE EXISTING ELECTRIC CABLES.
 - INSTALL NEW EMERGENCY VEHICLE PRIORITY SYSTEM DETECTION UNIT TO EXISTING MAST ARM. INSTALL NEW ELECTRIC CABLES NO. 14 3C AND NO. 20 3/C.



- NOTES:**
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR EXACT LOCATIONS OF THE UTILITIES, CALL J.U.L.I.E. TOLL FREE AT (800) 892-0123.
 - VEHICLE LOOP DETECTOR SHALL BE COMPATIBLE WITH THE CONTROL EQUIPMENT.
 - ALL ELECTRICAL CABLE SHALL HAVE POLYVINYL CHLORIDE JACKET.
 - THE CONTRACTOR SHALL INFORM THE CCDOH DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
 - THE CONTRACTOR SHALL MARK THE LOCATIONS OF ALL DETECTOR LOOPS AND CONTACT THE CCDOH DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
 - ALL MAST ARM MOUNTED SIGNAL HEADS ARE TO BE ATTACHED TWO (2) FEET FROM THE END OF THE MAST ARM UNLESS OTHERWISE NOTED.
 - ALL 1" CONDUIT TO BE 1" COILABLE NONMETALLIC CONDUIT (CNC).
 - THE CORNERS OF ALL NEW DETECTOR LOOPS SHALL BE CORE DRILLED INCLUDING PAVEMENT JOINTS AND CRACKS.



FOR REFERENCE ONLY

SCALE 1"=20'

COUNTY OF COOK
DEPT OF TRANSPORTATION & HIGHWAYS

TRAFFIC SIGNAL INSTALLATION
CRAWFORD AVENUE AT OAKTON STREET
(DESIGN PLAN)

COMPUTED BY: []
DRAWN BY: []
CHECKED BY: []

APPROVED: []
BUREAU CHIEF OF DESIGN

TS-17

DESIGNED - DSH	REVISED - 12-23-14 PER CCDOH
DRAWN - UKB	REVISED -
CHECKED - DSH	REVISED -
DATE - 10-15-14	FILE - 130988.SH-32A&32B.dgn

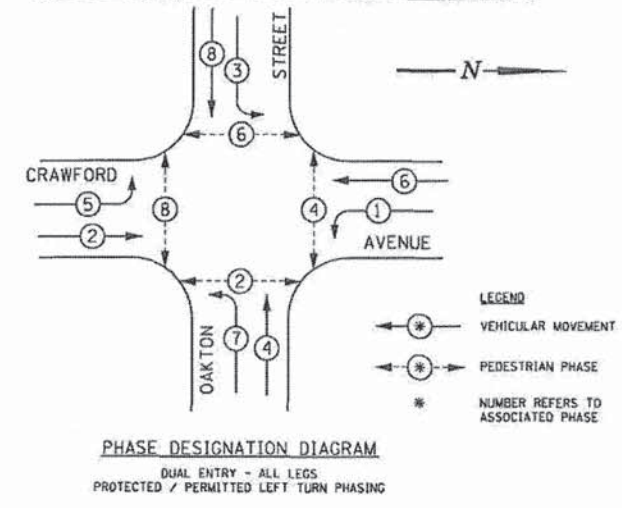
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLAN:
CRAWFORD AVENUE AND OAKTON STREET

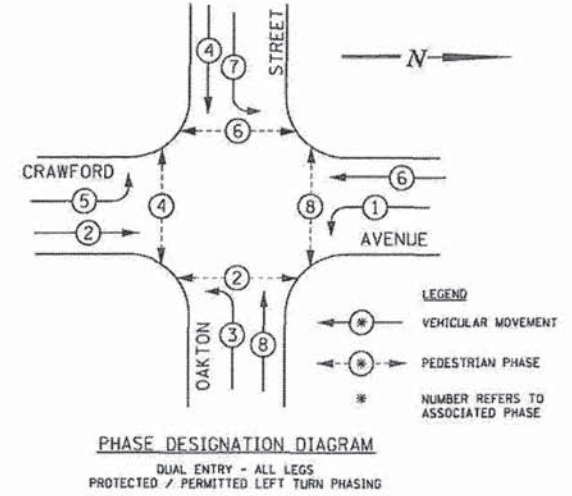
F.A.U. RTE. 1332	SECTION 14-00300-00-SW	COUNTY COOK	TOTAL SHEETS 32	SHEET NO. 32A
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001983				

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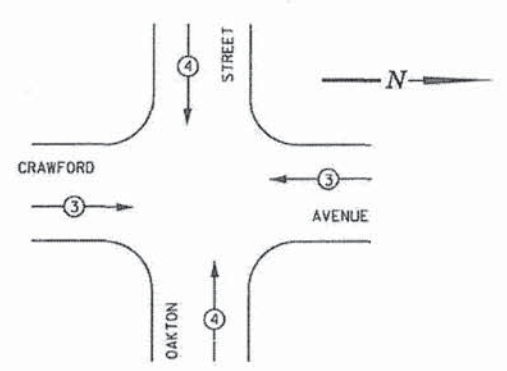
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE

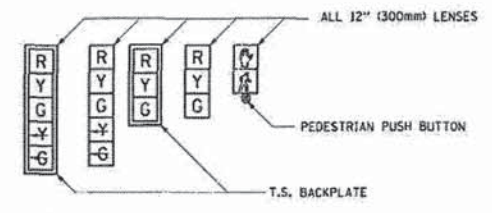


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION	
EMERGENCY VEHICLE PREEMPTION	3 4
MOVEMENT	≡

SIGNAL FACES

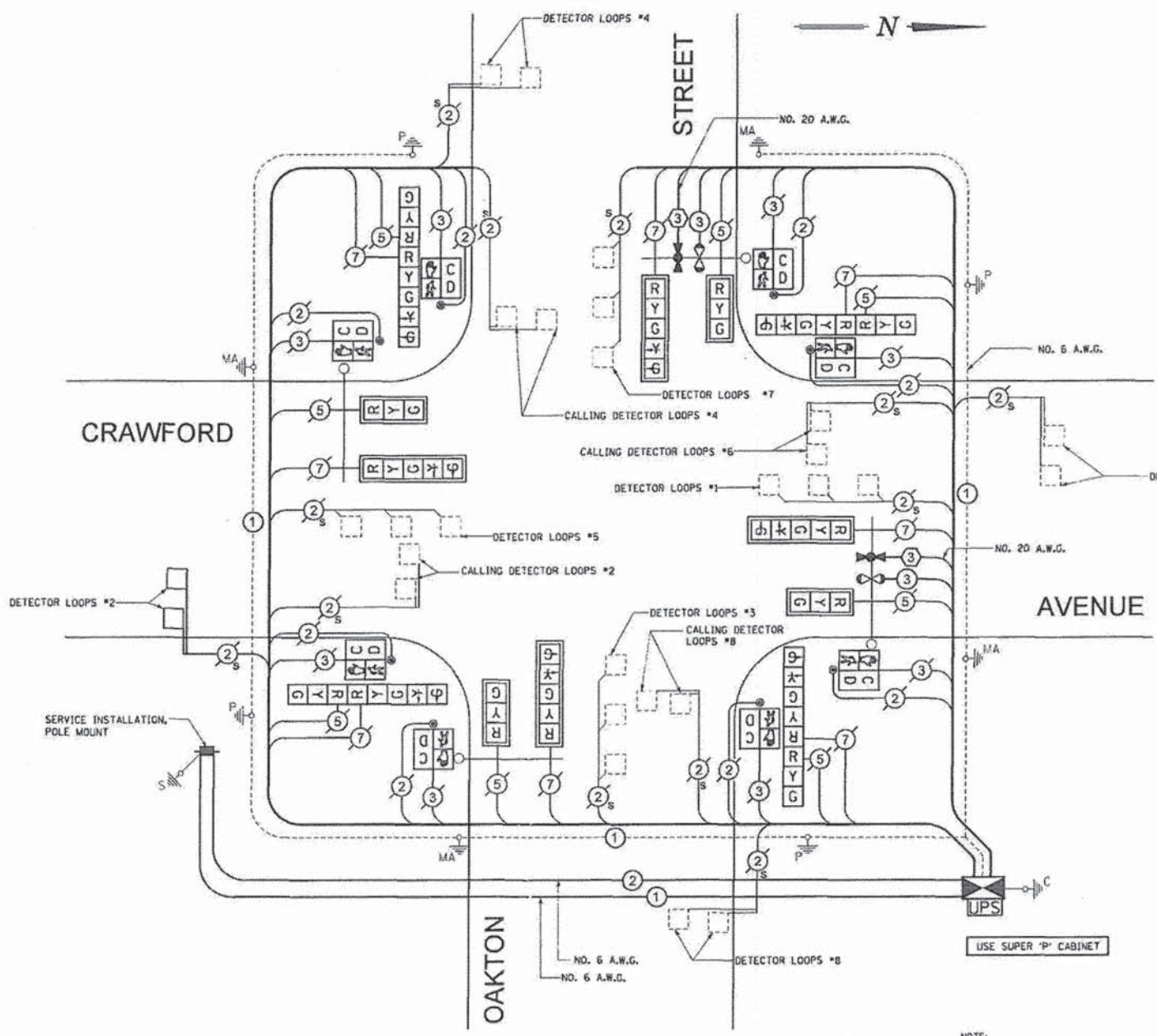


SIGNAL LENSES

- R RED
- Y YELLOW
- G GREEN
- Y-T YELLOW TURN INDICATOR
- G-T GREEN TURN INDICATOR

CABLE PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER CABINET		
SERVICE INSTALLATION		
8" (200mm) TRAFFIC SIGNAL SECTION		
12" (300mm) TRAFFIC SIGNAL SECTION		
12" (300mm) PEDESTRIAN SIGNAL SECTION		
2 DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 10 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE TWISTED AND SHIELDED.		
TELEPHONE INSTALLATION		
VEHICLE DETECTOR, INDUCTION LOOP		
SHIELDED & TWISTED		
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
OPTICOM CABLE, NO. 20		
16" (406mm) x 18" (457mm) PEDESTRIAN COUNTDOWN SIGNAL HEAD		
PUSHBUTTON DETECTOR		
SIGNAL FACE WITH BACKPLATE. *P* INDICATES PROGRAMMED HEAD.		
GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (HD), CONTROLLER (C), SERVICE (S), POST (P), OR MAST ARM POLE (MA).		
UNINTERRUPTED POWER SUPPLY		



CABLE PLAN

NOT TO SCALE

- NOTE:
- THIS IS A SYSTEM GROUND THAT SHALL INTERCONNECT ALL GROUND RODS WITH NO. 6 1C SOLID COPPER AWG.
 - THE NEUTRAL AND GROUND SHALL BE TIED AT THE SERVICE INSTALLATION, BUT SHALL BE SEPARATED AT THE TRAFFIC SIGNAL CABINET.

FOR REFERENCE ONLY

COUNTY OF COOK
DEPT OF TRANSPORTATION & HIGHWAYS

TRAFFIC SIGNAL INSTALLATION
CRAWFORD AVENUE AT OAKTON STREET
(CABLE PLAN)

COMPUTED BY: [] APPROVED: []
DRAWN: [] CHECKED: []
JULIA A. HAYES, P.E.
BUREAU CHIEF OF DESIGN

TS-18

DESIGNED - DSH	REVISED - 12-23-14 PER CCD0TH
DRAWN - UKB	REVISED -
CHECKED - DSH	REVISED -
DATE - 10-15-14	FILE - 130988_SH-32A&32B.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL CABLE PLAN AND CONTROLLER SEQUENCE

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1332	14-00300-00-SW	COOK	32	32B
CONTRACT NO. 61B03				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT TE-0001983				

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