

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00089-00-LS	LAKE	13	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63448		

INDEX OF SHEETS

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- 6 EXISTING CONDITIONS AND PLAN OF PROPOSED IMPROVEMENT
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- 8 PROPOSED ROADWAY LIGHTING PLAN
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- 10 ORNAMENTAL LIGHT POLE AND LUMINAIRE
- 11 ELECTRIC CONTROLLER, SPECIAL
- 12 FOUNDATION AND ELECTRICAL DETAILS
- 13 CONSTRUCTION DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL-AID HIGHWAY

U.S. ROUTE 45 (LAKE STREET),
DOWNTOWN STREETScape IMPROVEMENTS
PARK STREET TO IL ROUTE 176 (MAPLE AVENUE)
SECTION NO: 09-00089-00-LS
PROJECT NO: TE-00D1(812)
VILLAGE OF MUNDELEIN
LAKE COUNTY, ILLINOIS
C-91-295-10



ROADWAY CLASSIFICATION

LAKE STREET PRINCIPAL ARTERIAL

TRAFFIC DATA (2030)

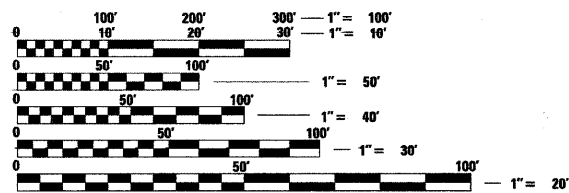
ADT: LAKE STREET 25,300 VPD

SPEED DESIGN POSTED

LAKE STREET 30 25

LIST OF STATE STANDARDS

SEE SHEET 2



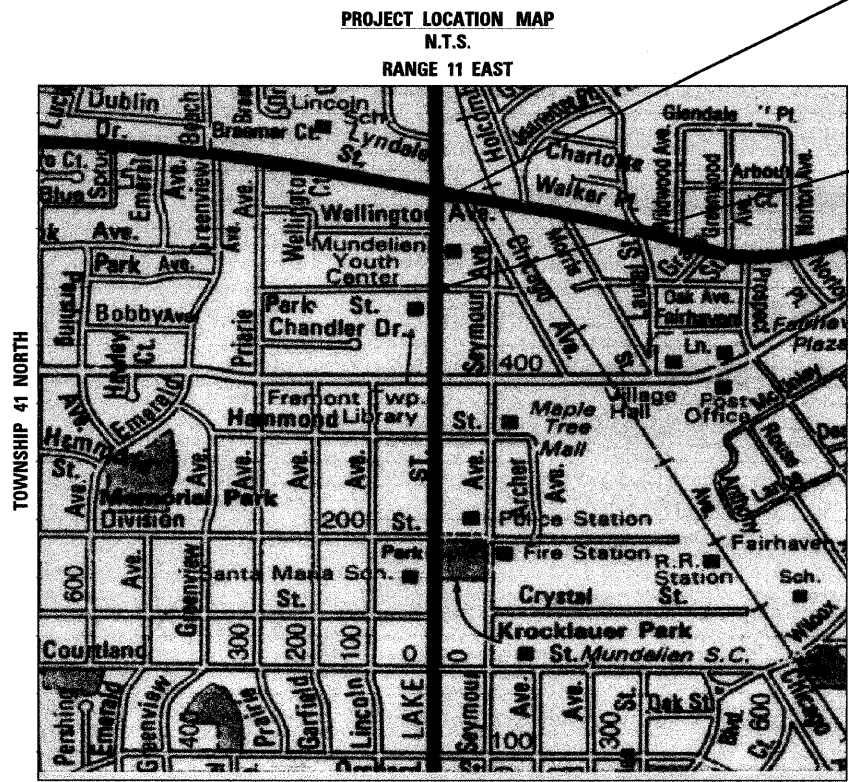
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION CALL 811

Know what's below.
Call before you dig.

Illinois Professional Design Firm # 184-000108

SEC Group, Inc.
An HR Green Company
420 N. Front Street
McHenry, IL 60050-2138
t. 815.385.1778 f. 815.385.1781
www.secgroupinc.com
•McHenry, IL •Yorkville, IL •New Lenox, IL •Chicago, IL



BEGIN PROJECT STA. 121+05

END PROJECT STA. 126+25



PROJECT LENGTH
GROSS LENGTH OF PROJECT = 520 FT (0.098 MI)
NET LENGTH OF IMPROVEMENT = 520 FT (0.098 MI)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 2/11 2010
W. C. ...
VILLAGE OF MUNDELEIN

PASSED FEBRUARY 24 2010
C. Hartke
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED REVIEW FEBRUARY 24, 2010
Dina M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

PROFESSIONAL ENGINEER'S SIGN & SEAL

Jeffery L. Pisha
JEFFERY L. PISHA, P.E.
EXPIRES: 11-30-11

SEAL

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

FIELD ENGINEER: KEVIN STALLWORTH (847)-705-4169

COMPANY NAME: Smith
PROJECT CONTACT: #PROJECT CONTACT
CLIENT: #CLIENT
DATE PLOTTED: 2/10/2010 12:46:49 PM
FILE NAME: 09051 rev 001
PLOT NUMBER: 09051 rev 001
PEN TABLE: 910000-01-11-0000-01

PROJECT MANAGER: J. PISHA
PROJECT ENGINEER: C. HARTKE

CONTRACT NO. 63448

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2010; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD); THE DETAILS IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

2. ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.

3. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADE STAKES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.

4. A FIELD INSPECTION PRIOR TO BIDDING MAY BE NECESSARY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.

5. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AND THE OF VILLAGE OF MUNDELEIN 847-947-3220 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).

6. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET TO THE SATISFACTION OF THE ENGINEER.

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

8. SAW CUTTING OF PAVEMENTS, SIDEWALK, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAWCUTTING SHALL BE CONSIDERED INCLUDED IN THE ITEM REMOVED.

9. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE VILLAGE.

10. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED.

11. THOSE SIGNS, WHICH ARE SO DESIGNATED BY THE ENGINEER, SHALL BE REMOVED, STORED AND SUBSEQUENTLY RELOCATED BY THE CONTRACTOR. IN ADDITION, ANY SIGNS WHICH ARE DAMAGED BEYOND REPAIR SHALL BE REPLACED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.

12. ANY LOOSE MATERIAL THAT IS DEPOSITED IN THE THE FLOW LINE OF ANY GUTTER OR DRAINAGE STRUCTURE DURING CONSTRUCTION OPERATIONS SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.

13. UNLESS OTHERWISE AUTHORIZED BY THE VILLAGE, ACCESS TO ALL EXISTING DOORWAYS AND DRIVES SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.

14. THE CONTRACTOR SHALL PROTECT ALL WATER SERVICE BOXES, VALVE VAULTS, AND/OR VALVE BOXES DURING CONSTRUCTION. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE CONTRACT AS DIRECTED BY THE ENGINEER.

15. SEE SHEET 7 STREET LIGHTING PLANS FOR ADDITIONAL GENERAL NOTES PERTAINING TO THE PROPOSED STREET LIGHTING.

16. THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF TEMPORARY TRAFFIC CONTROL DEVICES.

ROADWAY
ITEP
80% FED
20% VILLAGE

IDOT PAY ITEM CODE #	PAY ITEM	UNIT	QUANTITY	Y030-1E
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	76	76
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	79	79
21101815	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	208	208
XX008945	Exploration Excavation, (Utility)	FOOT	60	60
25200110	SCODDING, SALT TOLERANT	SQ YD	208	208
25200200	SUPPLEMENT WATERING	UNIT	2	2
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	765	765
44000500	SIDEWALK REMOVAL	SQ FT	765	765
67100100	MOBILIZATION	L SUM	1	1
70102532	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	68	68
81018900	CONDUIT PUSHED, 4" DIA GALVANIZED STEEL	FOOT	100	100
81702180	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	260	260
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	65	65
82500505	LIGHTING CONTROLLER, SPECIAL	EACH	1	1
83600110	LIGHT POLE FOUNDATION (SPECIAL)	EACH	3	3
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	144	144
84200204	Removal of Pole Foundation	EACH	3	3
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	60	60
84200100	Removal of Lighting Unit, No Salvage	EACH	3	3
XX008284	ORNAMENTAL LIGHT POLE, ALUMINUM WITH CONTEMPORARY ARM	EACH	18	18
XX004745	LUMINAIRE METAL HALIDE, 100 WATT	EACH	38	38
81663035	UNIT DUCT, 600V, 2-1C No. 6, 1C No. 6 Ground, (XLP-TYPE USE), 1" DIA Polyethylene	FOOT	1,060	1,060

* SPECIALTY ITEM

STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701602-04	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701801-04	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES

BENCHMARK

TBM #21 "BOX CUT" IN WEST EDGE OF CONCRETE BASE OF TRAFFIC SIGNAL WITH MAST ARM @ THE S.W. CORNER OF LAKE STREET AND HAWLEY STREET; 754.600

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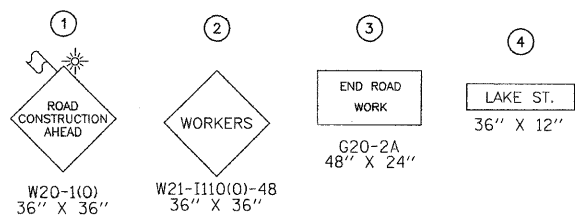
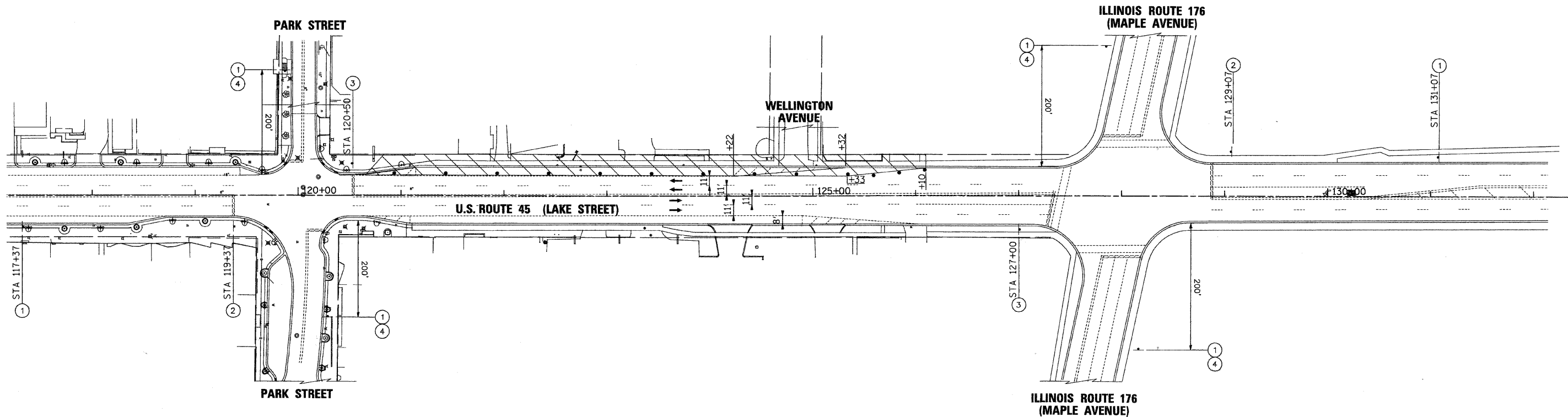
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	CHECKED - TH	REVISED -
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VILLAGE OF MUNDELEIN

SCALE:		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	
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GENERAL NOTES
U.S. ROUTE 45 (LAKE STREET)

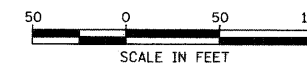
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00089-00-LS	LAKE	13	2
CONTRACT NO. 63448				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



STAGE I SEQUENCE OF OPERATIONS

1. COVER AND/OR REMOVE EXISTING PARKING SIGNS WITHIN CONSTRUCTION STAGING SEQUENCE.
2. IMPLEMENT TRAFFIC CONTROL PLAN BETWEEN PARK STREET AND MAPLE AVENUE USING APPLICABLE PORTIONS OF STANDARD 701701-03 AND STANDARD 701606-04.
3. INSTALL LIGHT POLES WEST SIDE OF U.S. ROUTE 45 FROM PARK STREET TO MAPLE AVENUE.
- REMOVE ONLY ENOUGH SIDEWALK AS REQUIRED TO SET LIGHTING FOUNDATIONS.
4. COMPLETE ALL WORK UNDER STAGE I PRIOR TO BEGINNING STAGE II.

- LEGEND**
- DIRECTIONAL SIGN
 - TYPE I OR TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURN LIGHT
 - ▨ CONSTRUCTION ZONE
 - ← DIRECTION OF TRAFFIC
 - ③ SIGN DESIGNATION



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 PROJECT CONTACT: #PROJECT CONTACT
 CLIENT: #CLIENT
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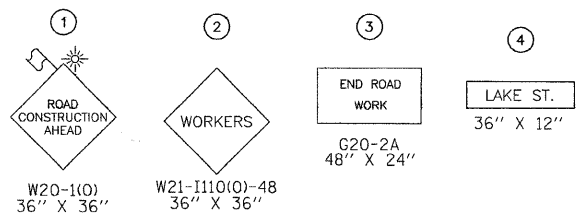
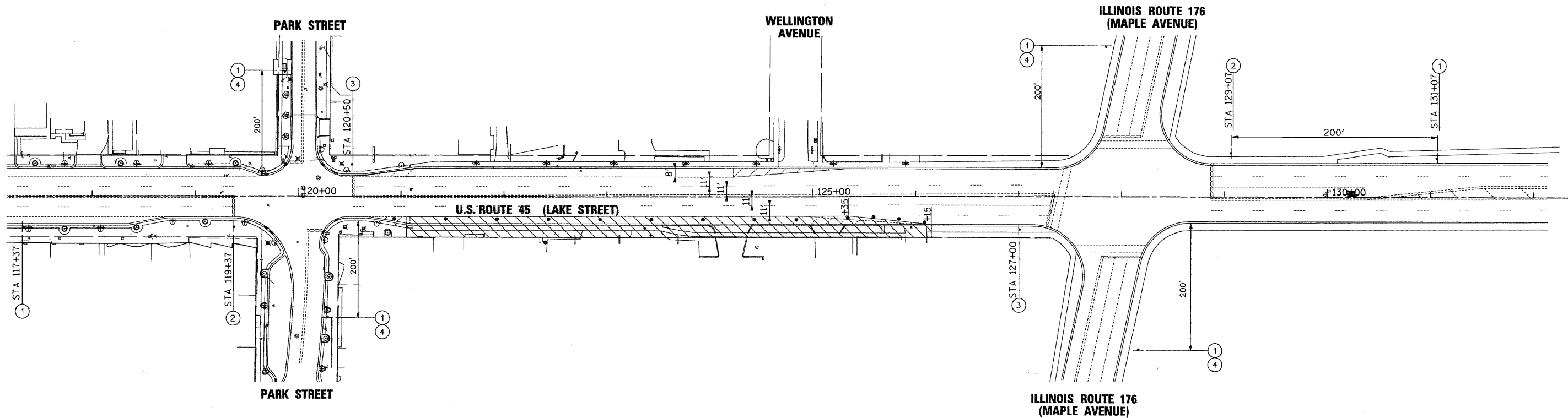
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PLOT DATE = 2/16/2010	CHECKED - TH	REVISED -
	DATE - 2/11/10	REVISED -

VILLAGE OF MUNDELEIN

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
 U.S. ROUTE 45 (LAKE STREET)**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 121+05 TO STA. 126+25

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00089-00-LS	LAKE	13	4
CONTRACT NO. 63448				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



STAGE 2 SEQUENCE OF OPERATIONS

1. COVER AND/OR REMOVE EXISTING PARKING SIGNS WITHIN CONSTRUCTION STAGING SEQUENCE.
2. IMPLEMENT TRAFFIC CONTROL PLAN BETWEEN PARK STREET AND MAPLE AVENUE USING APPLICABLE PORTIONS OF STANDARD 701701-03 AND STANDARD 701606-04.
3. INSTALL LIGHT POLES EAST SIDE OF U.S. ROUTE 45 FROM PARK STREET TO MAPLE AVENUE.
- REMOVE ONLY ENOUGH SIDEWALK AS REQUIRED TO SET LIGHTING FOUNDATIONS.
4. COMPLETE ALL WORK UNDER STAGE 1 PRIOR TO BEGINNING STAGE II.

- LEGEND**
- ← DIRECTIONAL SIGN
 - TYPE I OR TYPE II BARRICADE WITH MONO-DIRECTIONAL STEADY BURN LIGHT
 - ▨ CONSTRUCTION ZONE
 - ← DIRECTION OF TRAFFIC
 - ③ SIGN DESIGNATION



COMPANY NAME: Smith
 PROJECT CONTACT: #PROJECT_CONTACT1
 CLIENT: #CLIENT1
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 PLOT DRIVER: pdrlahf
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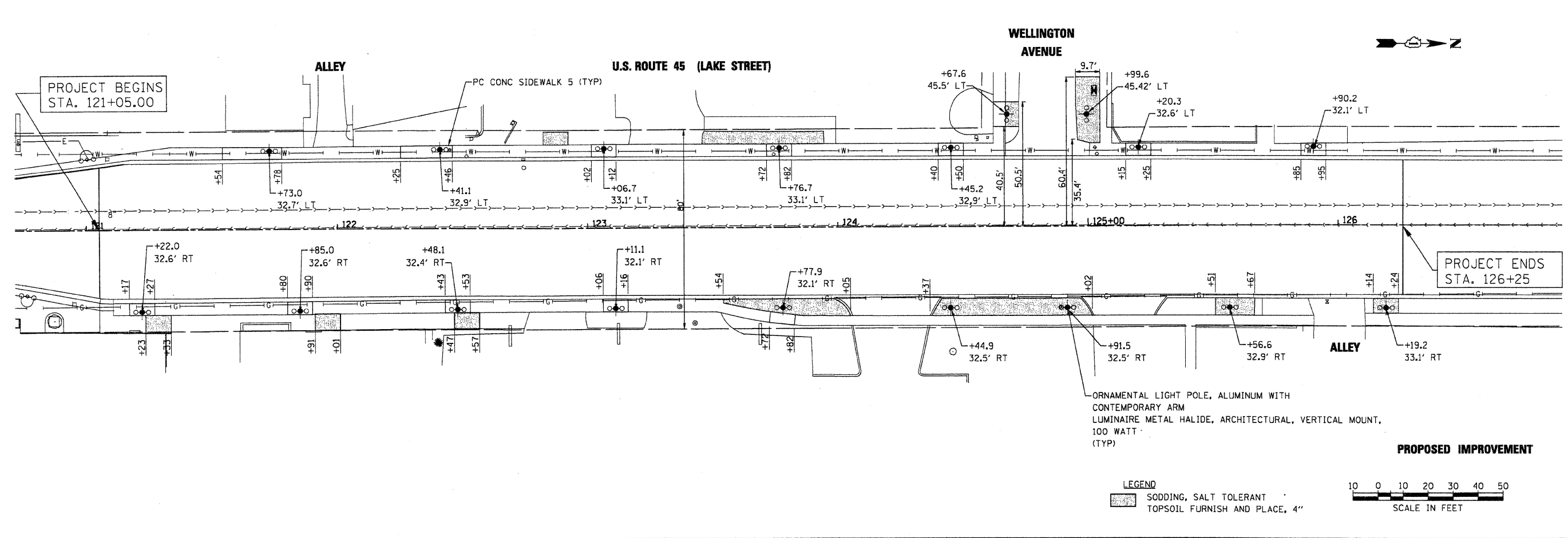
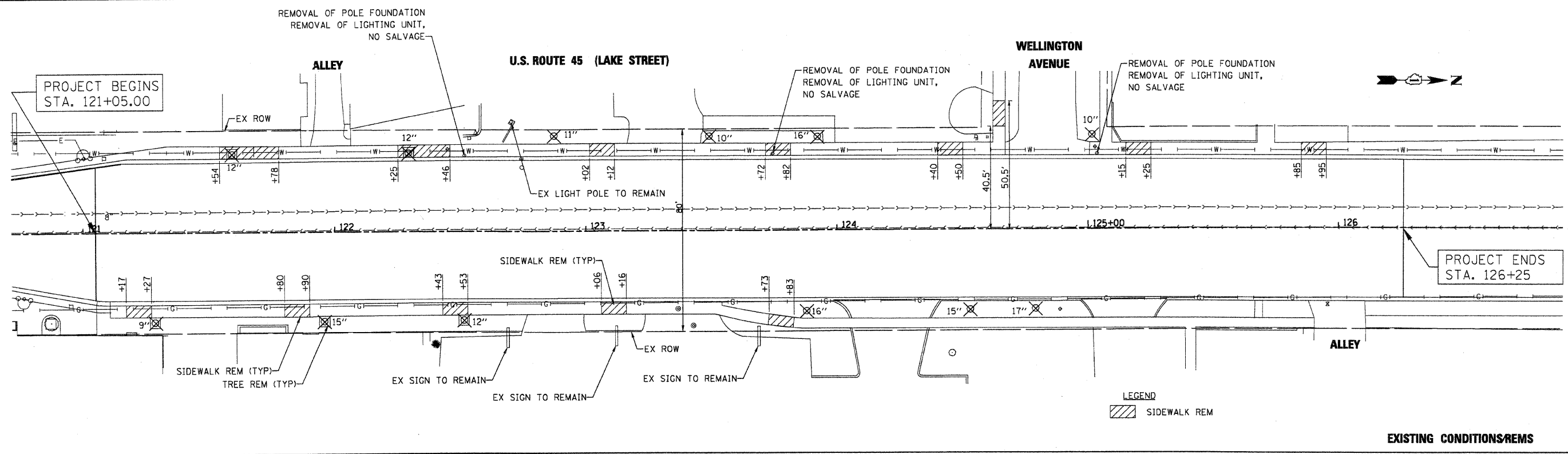
SEC Group, Inc.
 An HR Green Company
 420 N. First Street
 Moline, IL 62450-2108
 T 815.305.1778 F 815.305.1781
 www.secgroup.com
 420 N. First Street, Moline, IL 62450

USER NAME = charlke	DESIGNED - CH	REVISED -
PLOT SCALE = 1"=20'	DRAWN - SP	REVISED -
PLOT DATE = 2/16/2010	CHECKED - TH	REVISED -
	DATE - 2/11/10	REVISED -

VILLAGE OF MUNDELEIN

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2	
U.S. ROUTE 45 (LAKE STREET)	
SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS STA. 121+05 TO STA. 126+25

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00089-00-LS	LAKE	13	5
CONTRACT NO. 63448				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



COMPANY NAME: SEC Group, Inc.
 PROJECT CONTACT: [Name]
 CLIENT: [Name]
 FILE NAME: [Name]
 PLOT DRIVER: [Name]
 STANDARD: TRANS.TBL

SEC Group, Inc.
 An IRI Group Company
 420 N. First Street
 Naperville, IL 60563-2138
 P: 630.330.1773 F: 630.330.1791
 www.secgroup.com

USER NAME: charlka	DESIGNED - CH	REVISED -
PLOT SCALE: 1"=20'	DRAWN - SP	REVISED -
PLOT DATE: 5/6/2010	CHECKED - TH	REVISED -
	DATE - 2/11/10	REVISED -

VILLAGE OF MUNDELEIN

**EXISTING CONDITIONS AND PLAN OF PROPOSED IMPROVEMENT
U.S. ROUTE 45 (LAKE STREET)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00089-00-LS	LAKE	13	6
			CONTRACT NO. 63448	
SCALE: 1"=20'		SHEET NO. 1 OF 1 SHEETS		STA. 121+05 TO STA. 126+25
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BILL OF MATERIALS

80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	68	68
81018900	CONDUIT PUSHED, 4" DIA GALVANIZED STEEL	FOOT	100	100
81702180	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	260	260
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	65	65
82500505	LIGHTING CONTROLLER, SPECIAL	EACH	1	1
83600110	LIGHT POLE FOUNDATION (SPECIAL)	EACH	3	3
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	144	144
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	3	3
84200804	REMOVAL OF POLE FOUNDATION	EACH	3	3
XX008284	ORNAMENTAL LIGHT POLE, ALUMINUM WITH CONTEMPORARY ARM	EACH	18	18
	LUMINAIRE METAL HALIDE, ARCHITECTURAL, VERTICAL MOUNT, 100 WATT	EACH	38	38
	UNIT DUCT, 600V, XHHW-2 1/6 NO. 6 GROUND, 1 1/2" DIA. POLYETHYLENE	FOOT	1,060	1,060

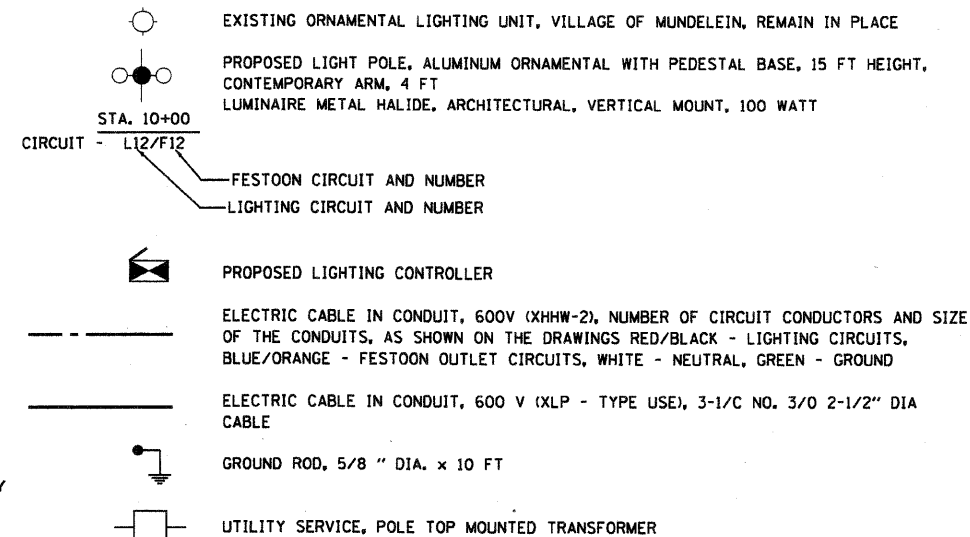
GENERAL NOTES

- WHERE SEPARATE CIRCUIT RUNS ARE TO BE INSTALLED PARALLEL WITH EACH OTHER, ONE COMMON TRENCH SHALL BE USED AND SHALL BE MEASURED ONLY ONCE FOR PAYMENT, AS TRENCH AND BACKFILL FOR ELECTRIC WORK.
- THE CONTRACTOR SHALL CONSULT WITH RESIDENT ENGINEER IN THE FIELD, AND FINALIZE ALL EXISTING ROADWAY LIGHTING ITEMS.
- THE RESPONSIBILITY FOR COORDINATION OF FINISHED SIDEWALK ELEVATIONS WITH THE TOP OF THE FOUNDATIONS HEIGHTS SHALL REMAIN WITH THE CONTRACTOR.
- THE CONTRACTOR SHALL SUBMIT FOR THE RESIDENT ENGINEER'S REVIEW WITHIN 30 DAYS AFTER CONTRACT EXECUTION, EIGHT (8) COPIES OF APPROVED MANUFACTURER'S PRODUCT DATA AND DETAILED SHOP DRAWINGS TO THE RESIDENT ENGINEER.
 - TRENCH, ELECTRICAL WARNING TAPE, GRANULAR MATERIAL TEST REPORT
 - FOUNDATION: CONCRETE MIX, STEEL REINFORCEMENT, RACEWAYS, ANCHOR BOLTS WITH NUTS & WASHERS.
 - CONDUIT: CONDUIT AND CONDUIT FITTINGS
 - GROUND ROD: GROUND ROD, COPPER WIRE, EXOTHERMIC WELD.
 - ELECTRIC CABLES: ELECTRIC CABLES.
 - ELECTRIC ITEMS: ELECTRIC TAPES, QUICK DISCONNECT, FUSE & LAMP.
 - ORNAMENTAL LIGHT POLE/CONTEMPORARY ARM: DETAILS SHOP DRAWING, WIND LOAD CALCULATIONS.
 - ORNAMENTAL LUMINAIRE: LUMINAIRE WITH BALLAST ASSEMBLY
 - LIGHTING CONTROLLER: CIRCUITRY DETAIL, CATALOG ON MATERIALS.
- ALL ELECTRIC CABLE INSULATION SHALL BE FULLY PIGMENTED COLOR CODED AND TAGGED AS SHOWN ON THE DRAWINGS.

COLOR CODING SHALL BE:
 RED/BLACK - LIGHTING CIRCUITS,
 BLUE/ORANGE - FESTOON OUTLETS CIRCUITS
 WHITE - NEUTRAL, GREEN - GROUND
 NO DEVIATION SHALL BE ALLOWED
- FINISH PAINT:
 THE PAINT COLOR AND FINISH SHALL BE BLACK, POLYESTER POWDER COAT FOR LIGHT POLE AND LUMINAIRE.
 THE VILLAGE SHALL APPROVE THE PAINT COLOR AND FINISH.
- LIGHT POLE FOUNDATION HOLE:
 EACH HOLE FOR THE FOUNDATIONS SHALL BE INSPECTED BY THE RESIDENT ENGINEER PRIOR TO POURING CONCRETE FOUNDATIONS.
- THE CONTRACTOR SHALL SUBMIT FOUR (4) SETS OF FULL SIZED COMPLETE AND ACCURATE "RECORD DRAWINGS" TO THE ENGINEER FOR REVIEW AND COMMENT, AS SPECIFIED. THE "RECORD DRAWINGS" SHALL BE UPDATED ON A REGULAR BASIS AND DEPICT ALL ROADWAY LIGHTING MATERIAL INSTALLATIONS WITH ANY CHANGES INDICATED IN RED. "REPRODUCIBLE RECORD DRAWINGS" SHALL BE SUBMITTED AT LEAST 7 DAYS BEFORE SCHEDULING A FINAL INSPECTION.
- THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF MUNDELEIN (847) 949-3220 TO LOCATE AND MARK/STAKE ALL VILLAGE OWNED UNDERGROUND UTILITIES.
- THE LIGHT CENTER POLE FOUNDATION SETBACK SHALL BE 4'-0" FROM BACK OF CONCRETE CURB TO CENTER OF FOUNDATION OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL CHISEL ARROWS LOCATING ALL CONDUIT CROSSINGS ACROSS ROADWAYS. THE CHISEL MARKS SHALL BE ON THE CURB.
- THE CONTRACTOR SHALL COMPLY WITH ALL LATEST IDOT, IES, NEC AND LOCAL CODES AND ORDINANCES.
- ALL STREET CROSSINGS SHALL HAVE GALVANIZED STEEL CONDUIT OF THE SIZE INDICATED PUSHED BENEATH THEM. PAYMENT SHALL BE LIMITED TO THE ACTUAL WIDTH PLUS TWO FEET (BE INCLUDED IN THE UNIT PRICE FOR PUSHING THE GALVANIZED STEEL CONDUIT.

- ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE U/L LISTED AND LABELED.
- POLE FUSES AND ASSOCIATED HARDWARE/MATERIAL SHALL BE PART OF THE LUMINAIRE PAY ITEM.
- RESIDENT ENGINEER SHALL IDENTIFY AND LOCATE IN THE FIELD - "LIGHT POLE FOUNDATION, SPECIAL"
- THE CONTRACTOR SHALL NOTIFY THE FIELD ENGINEER MR. RAO VAITLA, STATE ELECTRICAL OPERATIONS FIELD OFFICE, TEL: (630) 860-3670 AND REQUEST FOR A PRECONSTRUCTION INSPECTION MEETING FOR THE STATE MAINTAINED EQUIPMENT. THE REQUEST FOR MEETING SHALL BE MADE NOT LESS THAN SEVEN (7) CALENDAR DAYS PRIOR TO THE DESIRED REQUIRED DATE.
- THE CONTRACTOR SHALL MAINTAIN THE EXISTING LIGHTING SYSTEM IN OPERATION, DURING THE CONSTRUCTION PHASE OF PROPOSED LIGHTING.

SYMBOLS



NOTE:

THE MATERIAL AND WORK FOR THIS PROJECT SHALL CONFORM TO NEC & THE APPLICABLE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED 2007 AND SUPPLEMENTAL SPECIFICATION AND RECURRING SPECIAL PROVISIONS ISSUED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. SPECIAL PROVISIONS CHECK LIST IS ATTACHED WITH THIS PROJECT.

COMPANY NAME: SEC Group, Inc.
 PROJECT CONTACT: [blank]
 CLIENT: [blank]
 DATE PLOTTED: 5/6/2010 4:08:38 PM
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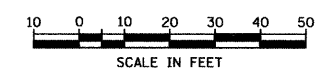
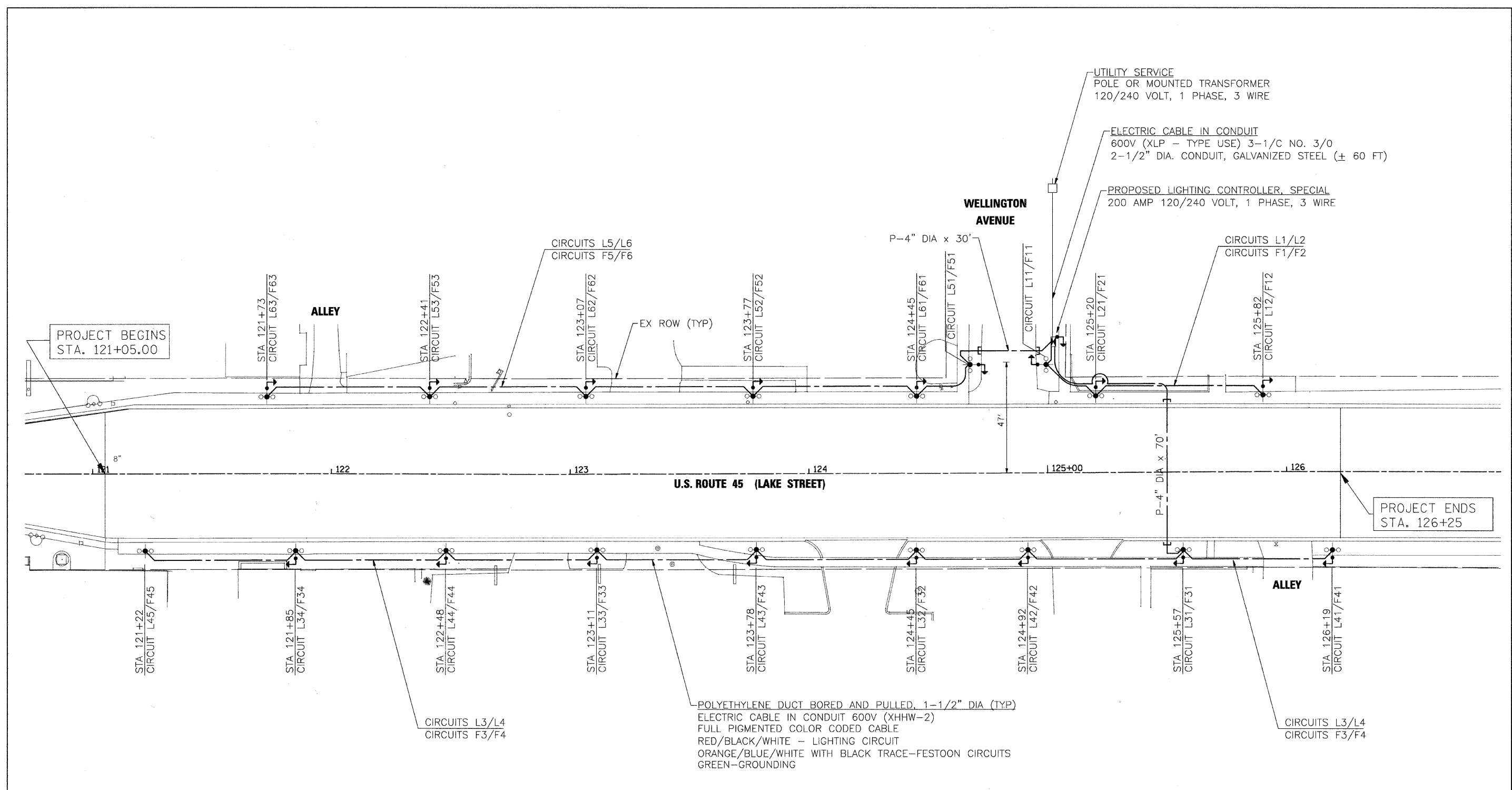
SEC Group, Inc.
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 201 N. First Street
 Naperville, IL 60563-2138
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USER NAME	charuka	DESIGNED	CH	REVISED	-
		DRAWN	SP	REVISED	-
PLOT SCALE	NTS	CHECKED	TH	REVISED	-
PLOT DATE	5/6/2010	DATE	2/11/10	REVISED	-

VILLAGE OF MUNDELEIN

BILL OF MATERIALS, SYMBOLS & GENERAL NOTES
 U.S. ROUTE 45 (LAKE STREET)

SCALE: NTS	SHEET NO. 1 OF 1 SHEETS	STA. 121+05	TO STA. 126+25	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					09-00089-00-LS	LAKE	13	7
								CONTRACT NO. 63448
					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



COMPANY NAME: Smith
PROJECT CONTACT: #PROJECT_CONTACT
CLIENT: #CLIENT
DATE PLOTTED: 08/08/10 11:44:14 AM
FILE NAME: 080811.LT-02.dgn
PLOT DRIVER: pdfcut
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SEC Group, Inc.
An HDR Group Company
400 N. Paul Street
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USER NAME = charke	DESIGNED - CH	REVISED -
PLOT SCALE = 1"=20'	DRAWN - SP	REVISED -
PLOT DATE = 2/11/2010	CHECKED - TH	REVISED -
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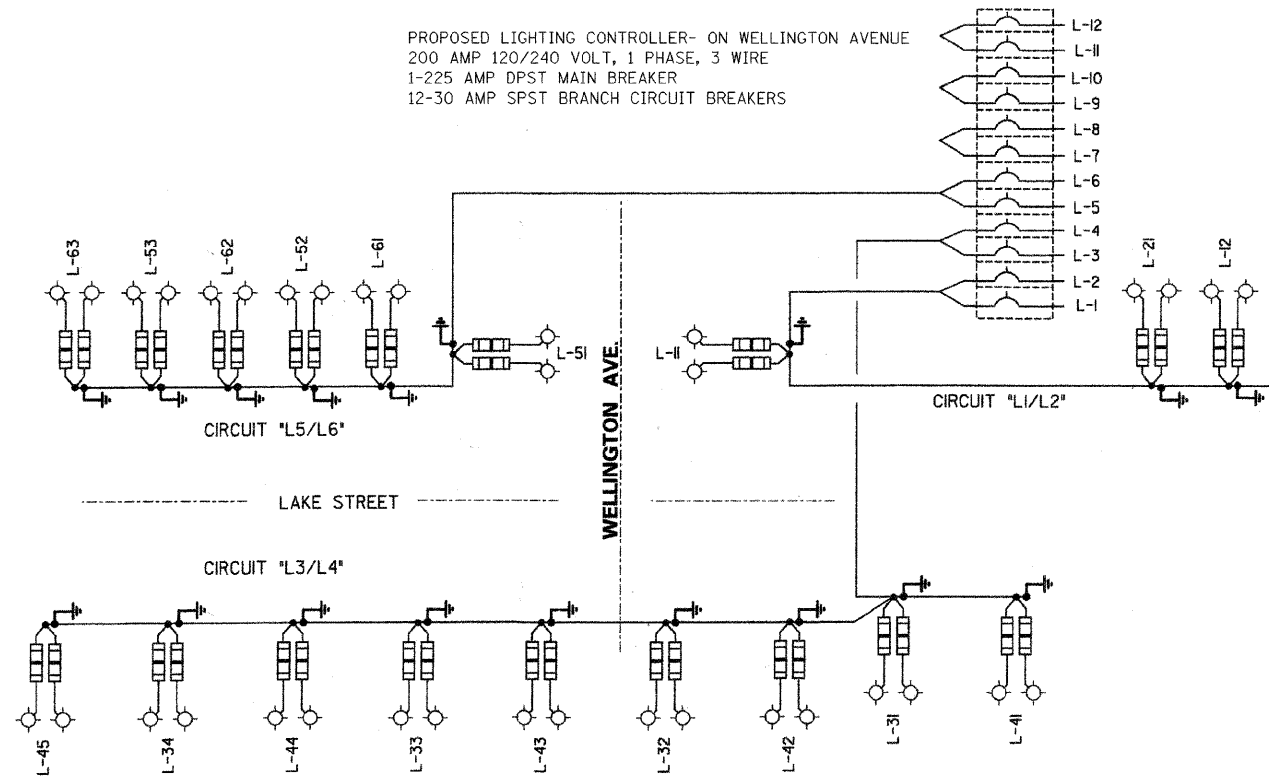
VILLAGE OF MUNDELEIN

PROPOSED ROADWAY LIGHTING PLAN
U.S. ROUTE 45 (LAKE STREET)

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 121+05 TO STA. 126+25

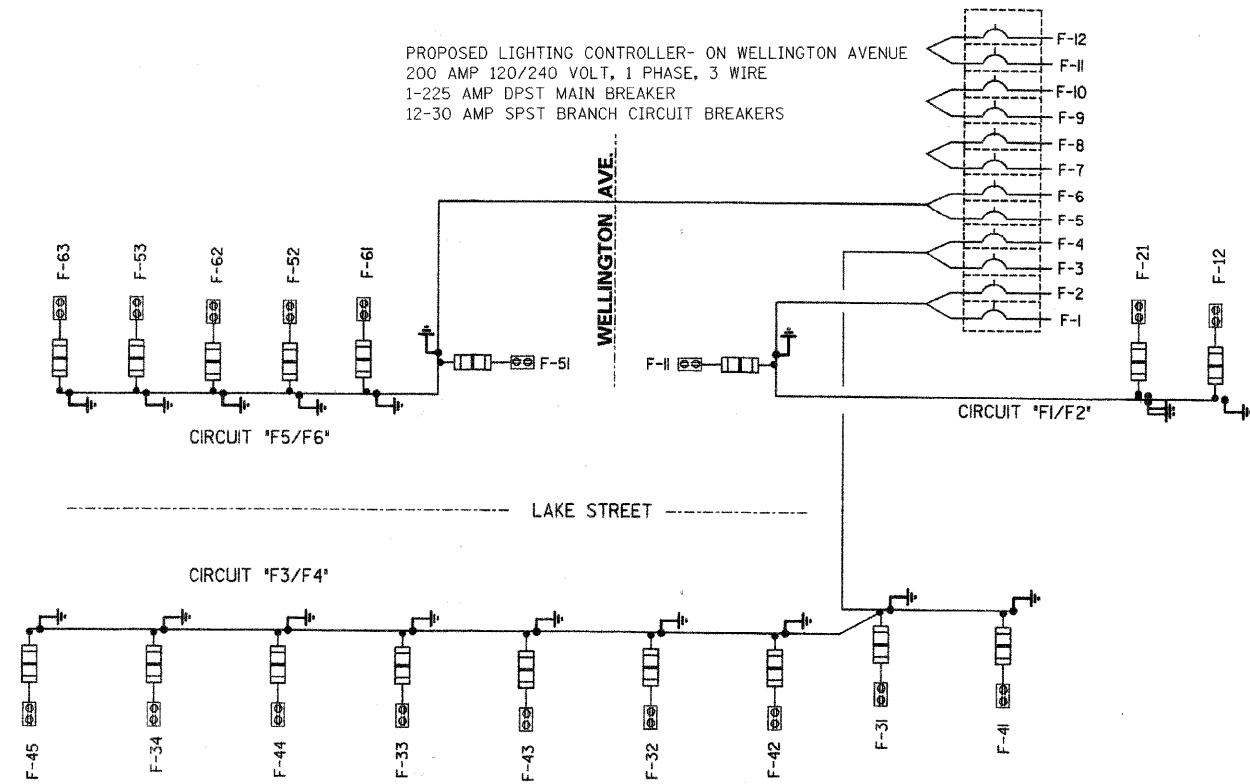
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	09-00089-00-LS	LAKE	13	8
CONTRACT NO. 63448				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROPOSED LIGHTING CONTROLLER- ON WELLINGTON AVENUE
 200 AMP 120/240 VOLT, 1 PHASE, 3 WIRE
 1-225 AMP DPST MAIN BREAKER
 12-30 AMP SPST BRANCH CIRCUIT BREAKERS



LIGHTING CIRCUITS

PROPOSED LIGHTING CONTROLLER- ON WELLINGTON AVENUE
 200 AMP 120/240 VOLT, 1 PHASE, 3 WIRE
 1-225 AMP DPST MAIN BREAKER
 12-30 AMP SPST BRANCH CIRCUIT BREAKERS



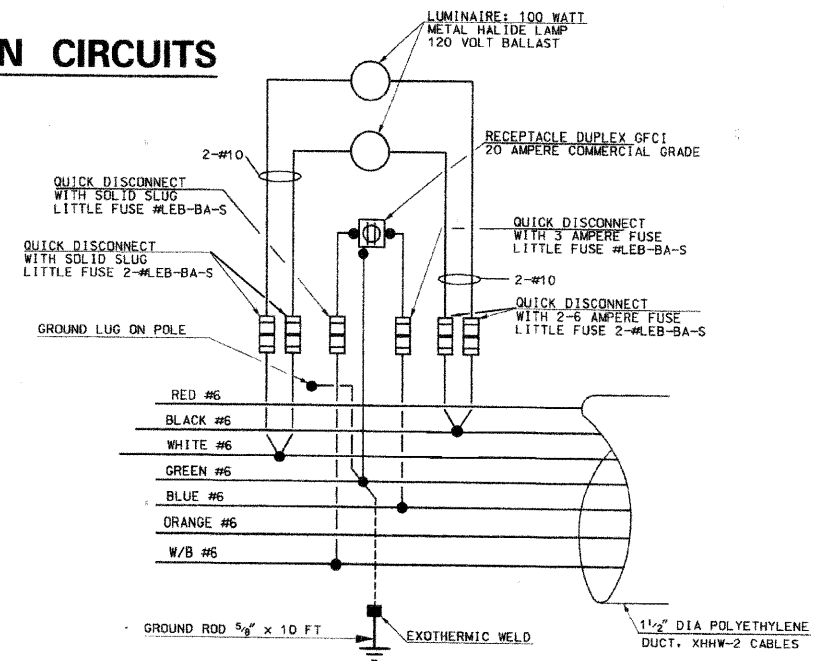
FESTOON CIRCUITS

SINGLE LINE LEGEND

- LUMINAIRE, 100W METAL HALIDE LAMP
- RECEPTACLE GFCI 20 AMP
- QUICK DISCONNECT FUSE
2-6 AMP FUSE FOR LUMINAIRE
1-3 AMP FUSE FOR RECEPTACLE
- CIRCUIT BREAKER SPST
- UNIT DUCT WITH 7-1/8" NO.6,
600 V (XHHW-2) 1/2" POLYETHYLENE
- CONNECTION
- GROUND ROD

ELECTRICAL LOAD
 200 AMP 120/240 VOLT, 1 PHASE

CIRCUIT	LIGHTING @ 120 V		CIRCUIT		FESTOON @ 20 V		CIRCUIT		CIRCUIT		
	RED	WATTS	BLK	WATTS	BLUE	WATTS	ORANGE	AMP	WATTS		
L1	4	488	L2	2	244	F1	6	720	F2	3	360
L3	8	976	L4	10	1,220	F3	12	1,440	F4	15	1,800
L5	6	732	L6	6	732	F5	9	1,080	F6	9	1,080
L7			L8			F7			F8		
L9			L10			F9			F10		
L11			L12			F11			F12		
TOTAL	18	2,196	18	2,196	27	3,240	27	3,240			



SINGLE POLE WIRING

VILLAGE OF MUNDELEIN

**ONE LINE CIRCUIT DIAGRAM CONTROLLER AT WELLINGTON AVENUE
 U.S. ROUTE 45 (LAKE STREET)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00089-00-LS	LAKE	13	9
CONTRACT NO. 63448				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

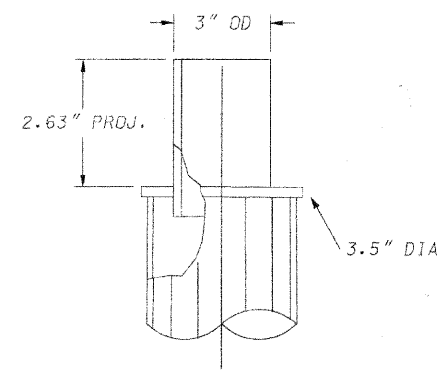
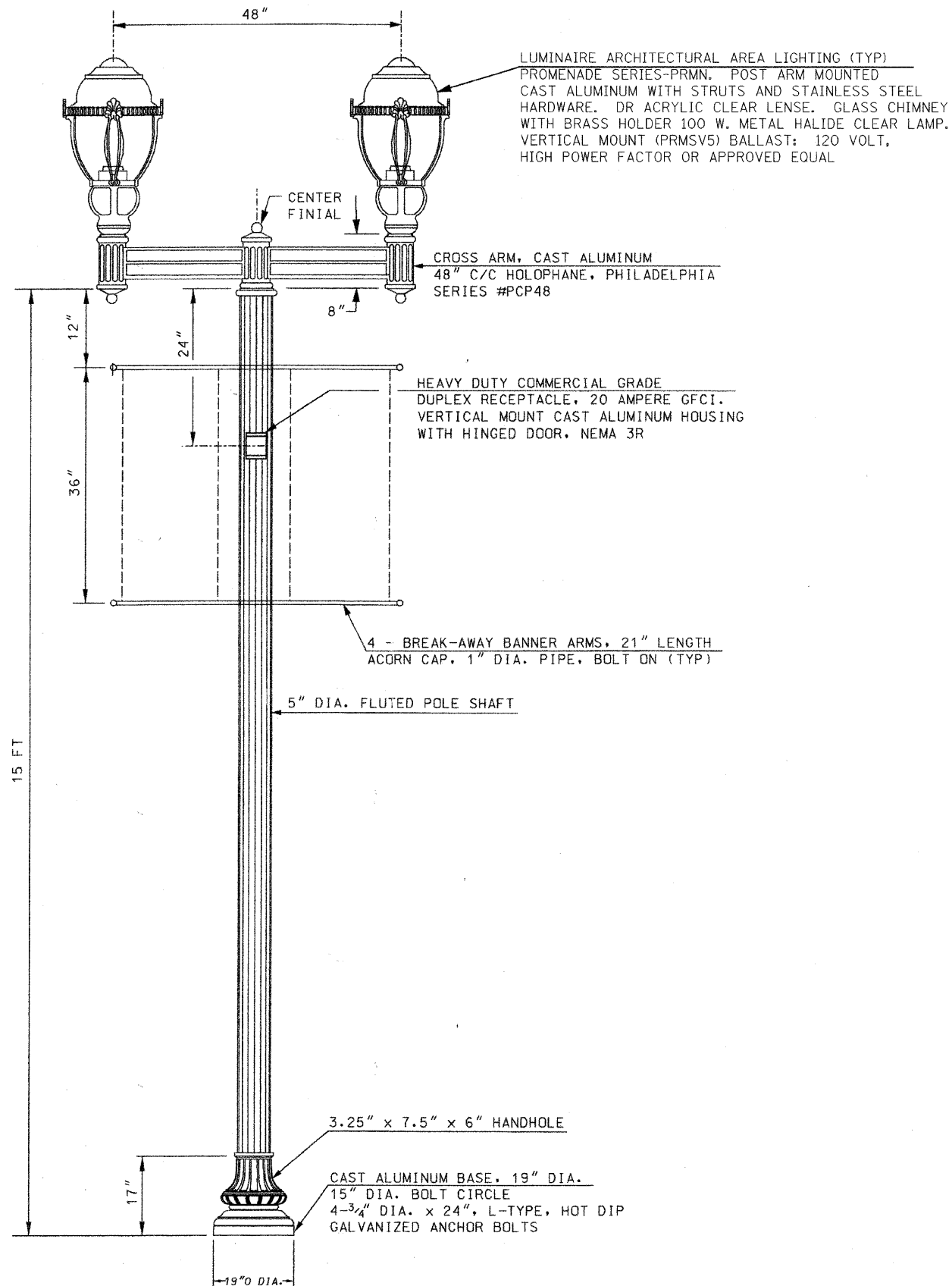
SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. 121+05 TO STA. 126+25

COMPANY NAME: Smith
 PROJECT CONTACT: Smith
 CLIENT: Village of Mundelein
 FILE NAME: 080511.L17-03.dgn
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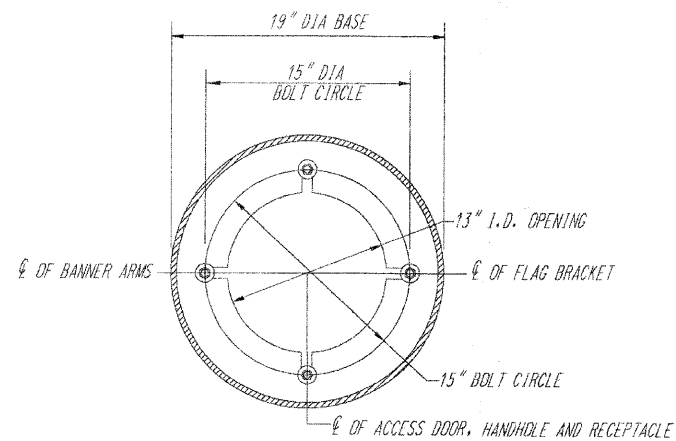
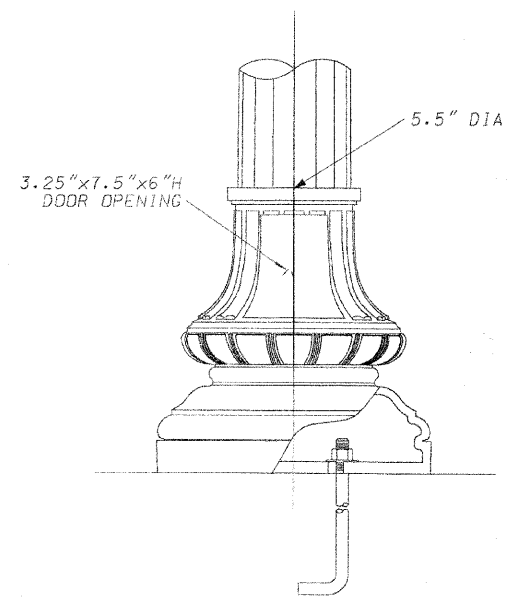
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USER NAME = charlka
 DESIGNED - JP
 DRAWN - SP
 CHECKED - TH
 DATE - 2/11/10
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 PLOT DATE = 2/11/2010

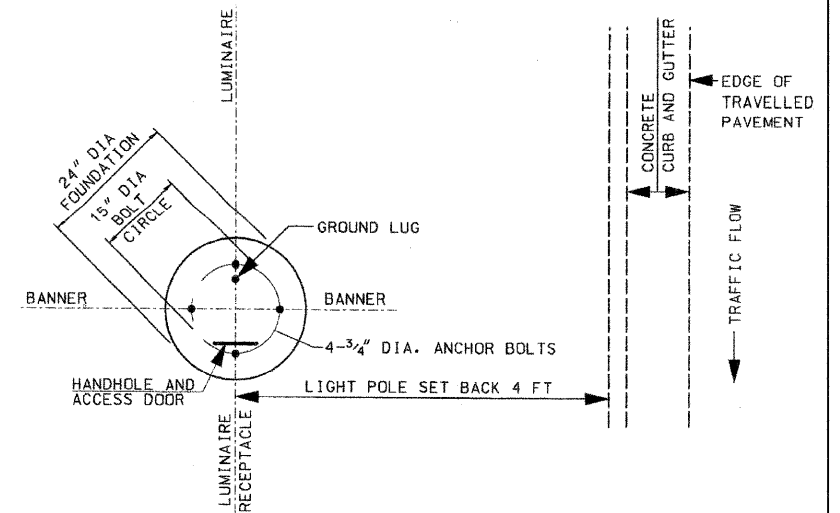
REVISIONS:
 REVISION NO. | DESCRIPTION | DATE
 1 | | 2/11/10



ALUMINUM TENON ASSY DETAIL



BASE DETAIL
 N.T.S.



LIGHTING UNIT SET BACK AND ORIENTATION
 OF HANDHOLE/LUMINAIRE/BANNERS
 FESTOON OUTLET

NOTES:

1. THE LIGHT POLE ASSEMBLY SHALL MEET AASHTO DESIGN CRITERIA OF 80 MPH WIND LOADING WITH 104 MPH GUSTS.
2. THE LIGHT POLE AND LUMINAIRE SHALL BE ERECTED ON FOUNDATION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
3. THE LIGHT POLE SHALL BE SET PLUMB ON THE FOUNDATION WITHOUT ANY OTHER LEVELING DEVICE UNDER THE POLE BASE.
4. THE LIGHT POLE, LUMINAIRE AND OTHER ELECTRICAL APPLIANCES SHALL BE ELECTRICALLY GROUNDED IN STRICT CONFORMANCE WITH NATIONAL ELECTRIC CODE.
5. ALL HARDWARE SUPPLIED WITH POLE AND LUMINAIRE SHALL BE STAINLESS STEEL.
6. THE LIGHT POLE AND LUMINAIRE SHALL BE PAINTED BLACK COLOR, POLYESTER POWDER COAT FINISH
7. THE PAINTED POLE SHALL BE WRAPPED WITH PROTECTIVE SHEATHING BEFORE SHIPMENT.
8. THE BOLT CIRCLE ON THE BASE PLATE SHALL CONFORM WITH THE BOLT CIRCLE ON LIGHT POLE FOUNDATION.
9. THE POLE/LUMINAIRE MANUFACTURER SHALL SUBMIT COLOR SAMPLE TO OWNER. THE COLOR MUST BE APPROVED BY THE OWNER.
10. THE FESTOON OUTLET SHALL BE 20 AMPERE GFCI DUPLEX RECEPTACLE, BROWN HEAVY DUTY INDUSTRIAL GRADE, RECESSED IN SHAFT WITH CAST ALUMINUM HINGED DOOR, NEMA 3R (RED.DOT)
11. LIGHT POLE AND LUMINAIRE SHALL CONFORM TO THE REQUIREMENTS OF IDOT STANDARD SPECIFICATION ARTICLES 1069.01 AND 1067.01.

ORNAMENTAL LIGHTING UNIT

VILLAGE OF MUNDELEIN

ORNAMENTAL LIGHT POLE & LUMINAIRE
 U.S. ROUTE 45 (LAKE STREET)

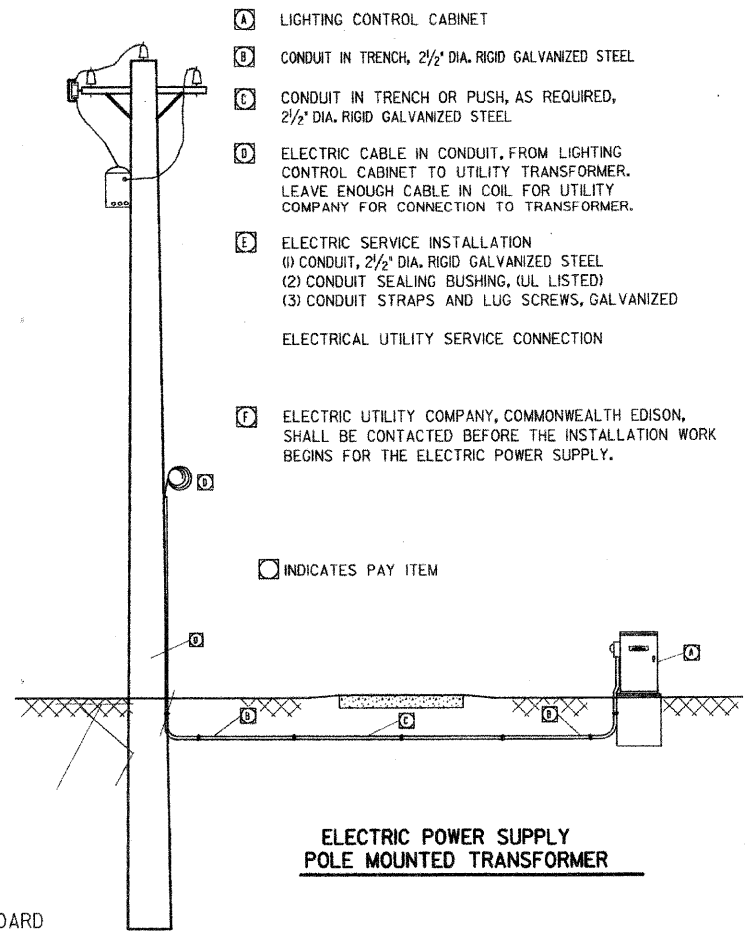
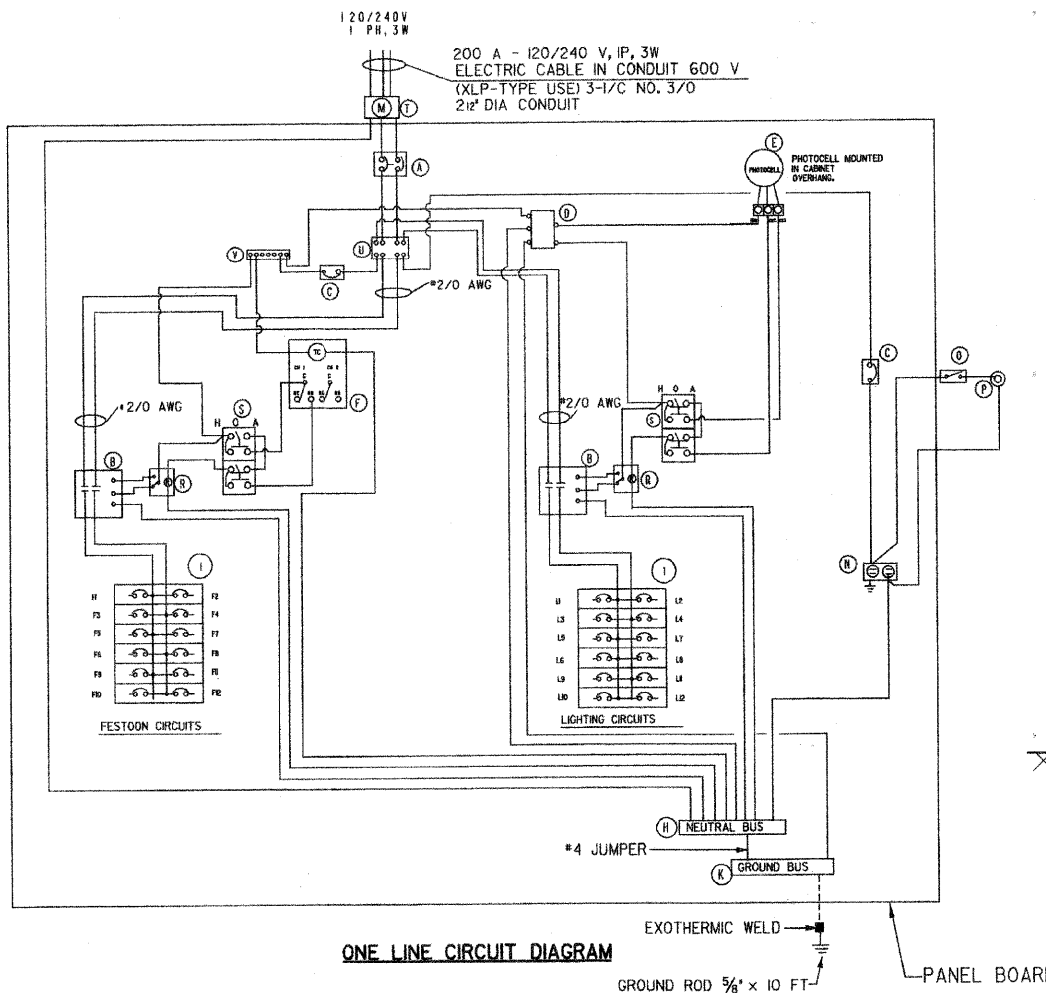
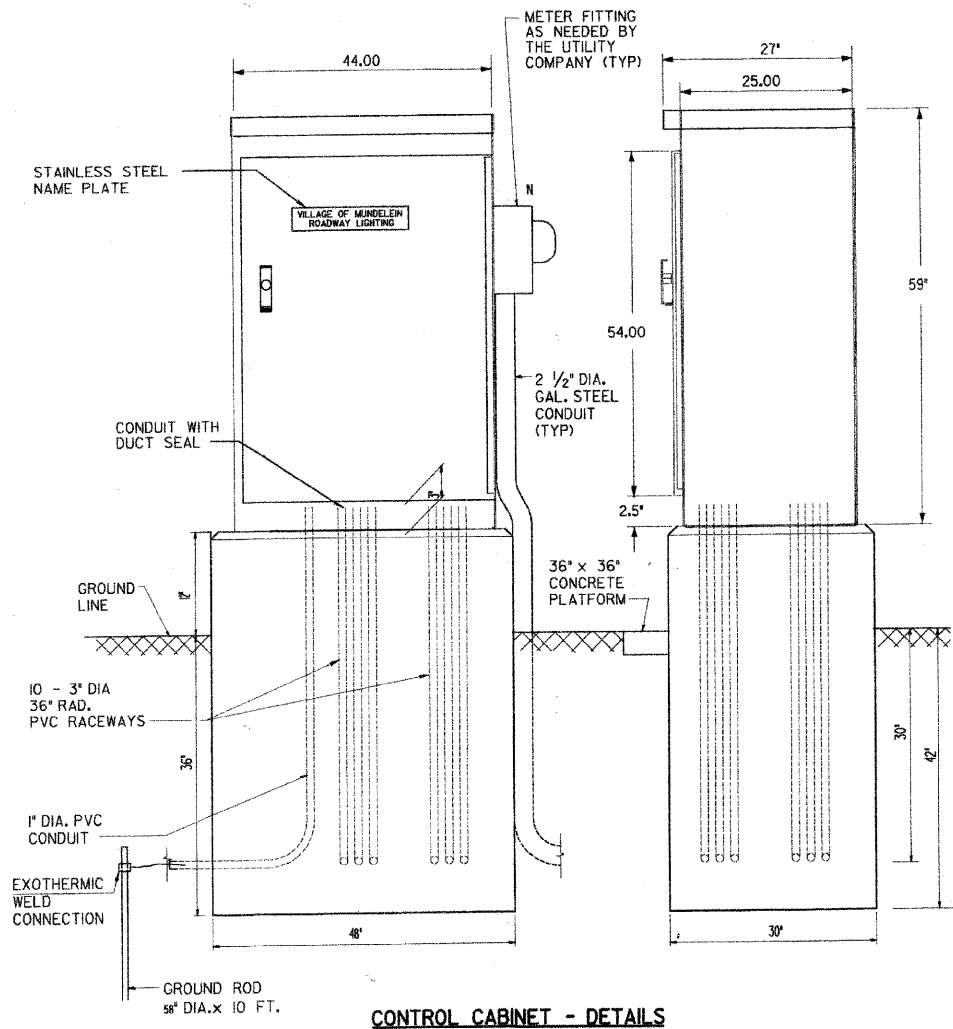
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	09-00089-00-LS	LAKE	13	10
FED. ROAD DIST. NO.			CONTRACT NO. 63448	
ILLINOIS			FED. AID PROJECT	

SEC Group, Inc.	USER NAME = charlke	DESIGNED - JP	REVISED -
An HR Group Company	PLOT SCALE = NTS	DRAWN - SP	REVISED -
429 N. Foothill Blvd. Moline, IL 61905-2138 t. 314.386.1779 f. 314.386.1781 www.secgrouppc.com	PLOT DATE = 2/11/2010	CHECKED - TH	REVISED -
		DATE - 2/11/10	REVISED -

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. 121+05 TO STA. 126+25

63448
 09-00089-00-LS
 02/11/10-04.dgn

COMPANY NAME: Smith
 PROJECT CONTACT: Smith
 CLIENT: SMITH GROUP, 14450 N. RM
 FILE NAME: 09051110-04.dgn
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CONTROL CABINET - DETAILS

ONE LINE CIRCUIT DIAGRAM

ELECTRIC POWER SUPPLY POLE MOUNTED TRANSFORMER

NOTES

THE CABINET SHALL BE FABRICATED FROM 0.125" THICK ALUMINUM ALLOY SHEET AND SHALL BE REINFORCED WITH ALUMINUM ANGLES. THE CABINET DOOR SHALL BE NEMA TYPE 3 CONSTRUCTION WITH NEOPRENE GASKET. THE DOOR SHALL HAVE STAINLESS STEEL HINGES AND THREE POINT LOCKING SYSTEM.

THE CONTRACTOR SHALL REMOVE VEGETATION AND TOPSOIL, LEVEL THE AREA IN FRONT OF THE CONTROL CABINET DOOR AND PLACE LENGTH WISE, PARALLEL TO CONTROL CABINET, A PRECAST PAD, 36"x36"x3" MINIMUM SIZE. THE COST OF LABOR AND MATERIALS SHALL BE INCIDENTAL TO THE CONTROL CABINET.

CONTROL WIRE SHALL BE #12 AWG, 600V, TYPE 'MTW' STRANDED COPPER GRAY SWITCH BOARD WIRE. THE ENDS OF ALL CONTROL WIRES SHALL BE IDENTIFIED.

THE ELECTRIC METER BOX SHALL BE MOUNTED ON THE SIDE OF THE CONTROL CABINET, NEAR TO THE SERVICE POLE AND/OR AS DIRECTED BY THE ENGINEER.

ALL CONTROL CABINET ITEMS SHALL HAVE SUITABLE IDENTIFICATION. OPEN CIRCUIT BREAKERS, CONTACTORS AND OTHER OPEN DEVICES SHALL HAVE PERMANENT SELF STICKING TAGS. DEVICES IN ENCLOSURES SHALL HAVE ENGRAVED 2-COLOR LAMINATED PLASTIC NAMEPLATES ATTACHED TO ENCLOSURES WITH SCREWS. NAMEPLATES SHALL BE ENGRAVED TO CORRESPOND TO DESIGNATIONS ON THE DRAWINGS. INTERNAL CABINET WIRING SHALL BE IDENTIFIED AS INDICATED OR AS DIRECTED BY THE ENGINEER BY MEANS OF SELF-STICKING TAGS APPLIED AT EACH CONNECTED END. IDENTIFICATION SHALL BE MADE BY THE CABINET MANUFACTURER.

ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
 R = RED BL = BLUE W = WHITE
 B = BLACK O = ORANGE G = GREEN

PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.

THE CABINET SHALL BE PRIMED AND PAINTED AS SPECIFIED.

THE HEADS OF CONNECTOR SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BUSS CONNECTION AND GREEN FOR GROUND BUSS CONNECTORS.

ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".

PROVIDE A HOLDER AND WATERPROOF POUCH ON THE INNER SIDE OF THE CONTROLLER DOOR. THE HOLDER AND POUCH SHALL BE MOUNTED SO THAT RAIN WATER OR CONDENSED WATER CANNOT ENTER THE POUCH WITH THE CABINET DOOR OPEN. FURNISH A LAMINATED THE APPROVED COPY OF THE "CONTROL CABINET WIRING DIAGRAM".

THE CONTRACTOR SHALL OBTAIN ANCHOR BOLTS LOCATION TEMPLATE FROM THE FABRICATOR OF LIGHTING CONTROLLER

THE CONTROLLER FABRICATION SHALL COMPLY TO ARTICLE 1068.01 OF THE STANDARD SPECIFICATIONS

BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
A	1	MAIN BREAKER 2P/200A C/H ED2200
B	2	CONTACTOR 2P/100A SQ.D8903PBQ10V38
C	2	BREAKER 1P/15A C/H EHD1015
D	1	SURGE ARRESTOR EDCC SHA 2403
E	1	PHOTOCELL FISHER PIERCE FA105M
F	1	ASTRONOMICAL TIME CLK.TORK DZS200A
G	1	RESERVED
H	1	NEUTRAL BUS
I	24	BREAKER 1P/30A C/H EHD1030
J	1	RESERVED
K	1	GROUND BUS
N	1	GFCI RECEPTACLE 20A LEVITON 8899
O	1	DOOR SWITCH MICRO BA2RQ1-A2
P	1	LIGHT FIXTURE LEVITON 29816C
R	2	RELAY MAGNECRAFT W389ACX-9
S	2	H-O-A SWITCH SQ.D 9001 KYK-111
T	1	MILBANK U-8949 METER FITTING
U	1	MARATHON 1452129 SPLICE BLOCK
V	1	ALTECH 38041 SPLICE BLOCK

COMPANY NAME: Smith
 PROJECT CONTACT: Smith
 CLIENTS: Smith
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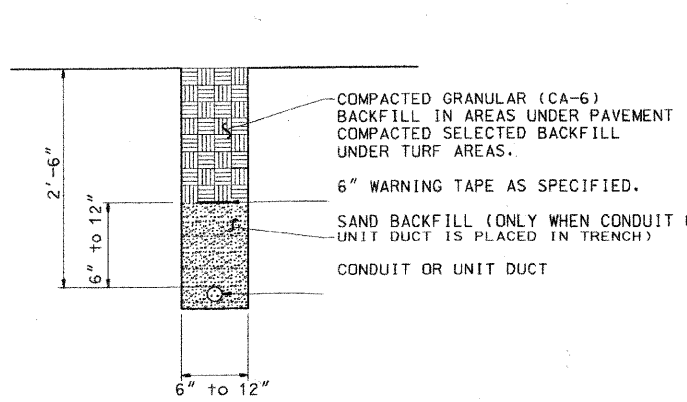
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VILLAGE OF MUNDELEIN

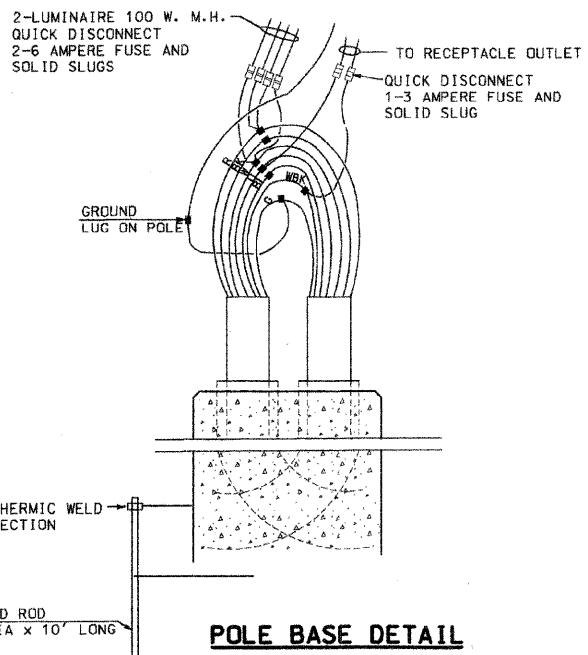
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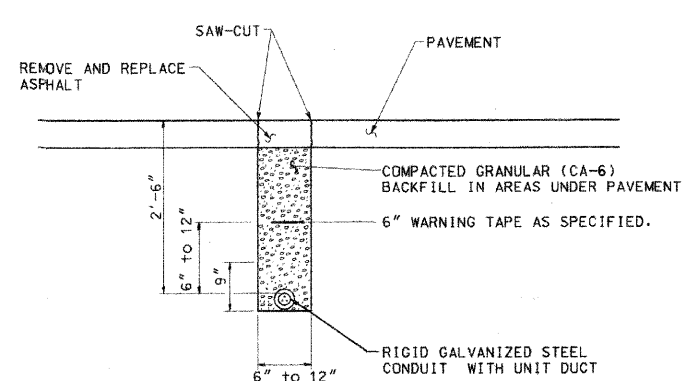
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CONTRACT NO. 63448			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



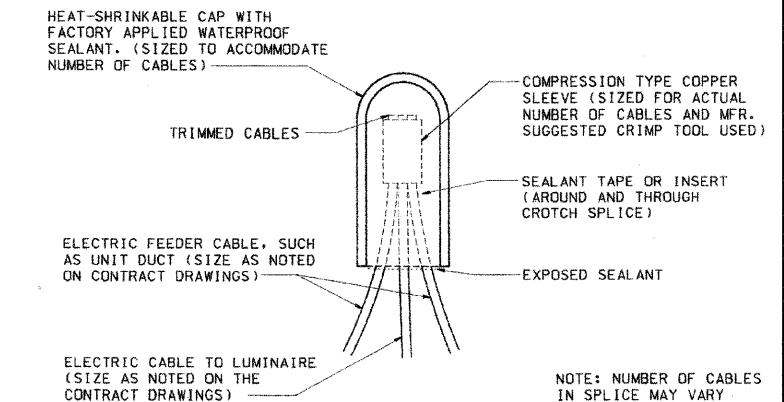
TRENCH AND BACKFILL



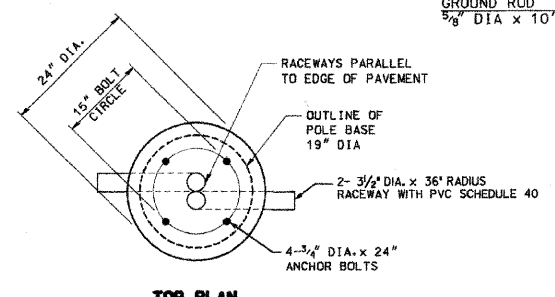
POLE BASE DETAIL



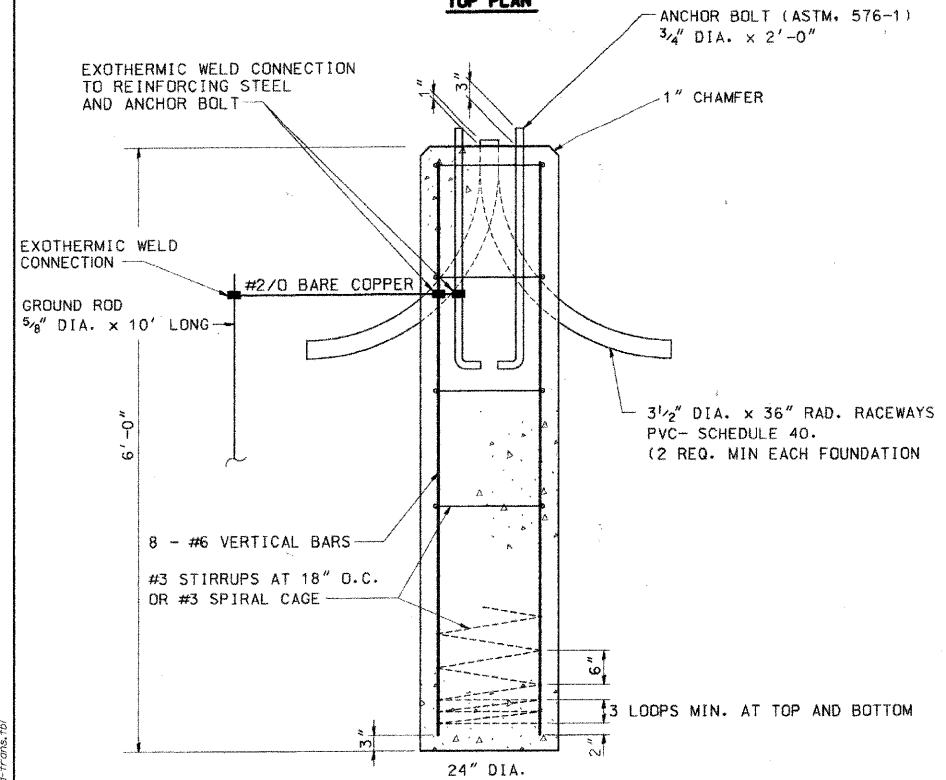
TRENCH AND BACKFILL UNDER ASPHALT PAVEMENT



SPLICING ELECTRIC CABLE



TOP PLAN



FOUNDATION DETAIL

NOTES

1. THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
2. THE DESIGN DEPTH "D" OF FOUNDATION SHALL BE INCREASED BY VALUE OF X ACCORDING TO FIELD CONDITIONS.
3. EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" OR 30" IN DIAMETER.
4. THE CONTRACTOR SHALL USE #3 SPIRAL AT 6" PITCH OR AT HIS OPTION MAY SUBSTITUTE #3 TIES AT 12" O/C.
5. THE ANCHOR SHALL BE A TACK WELDED TYPE BOLT OR HOOK TYPE BOLT. COLD BENDING OF THE HOOK BOLT WILL NOT BE ALLOWED.
6. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE.
7. THE ENTIRE LENGTH OF THE ANCHOR BOLTS AS WELL AS THE NUTS AND WASHERS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM DESIGNATION A 153.
8. CONCRETE SHALL BE CLASS "SI". CONCRETE FOUNDATION MUST BE CURED FOR (10) TEN DAYS BEFORE THE LIGHT STANDARD IS ERECTED.
9. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.
10. ANCHOR BOLTS PROJECTION ABOVE THE TOP OF THE FOUNDATION SHALL BE ACCORDING TO THE REQUIREMENTS OF POLE MANUFACTURER.
11. RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.
12. THE CONTRACTOR SHALL COORDINATE THE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
13. A MINIMUM OF 3" OF THE THREADING ON THE ANCHOR BOLTS SHALL REMAIN BELOW THE TOP OF THE FOUNDATION.
14. REINFORCEMENT BARS SHALL COMPLY WITH ARTICLE 1006.10 OF THE STANDARD SPECIFICATION.

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"	15'-0"	8-#6 X 12'-6"	#3 X 122'	8-#6X14'X3'	#3 X 141'
MEDIUM CLAY	9'-6"	10'-9"	8-#6 X 9'-0"	#3 X 90'	8-#6 X 10'-0"	#3 X 100'
STIFF CLAY	7'-0"	8'-0"	8-#6 X 6'-6"	#3 X 66"	8-#6 X 7'-6"	#3 X 76'
LOOSE SAND	9'-0"	10'-0"	8-#6 X 8'-6"	#3 X 85'	8-#6 X 9'-6"	#3 X 94'
MEDIUM SAND	8'-3"	9'-0"	8-#6 X 8'-0"	#3 X 78'	8-#6 X 8'-6"	#3 X 85'
DENSE SAND	7'-9"	9'-0"	8-#6 X 7'-6"	#3 X 73'	8-#6 X 8'-6"	#3 X 85'
ROCK OR SOLIDIFIED SLAG	5'-0"	5'-0"	NONE	NONE	NONE	NONE

(FROM IDOT STANDARD FOUNDATION DRAWING)

COMPANY NAME: SEC Group, Inc.
 PROJECT CONTACT: [Name]
 CLIENT: [Name]
 FILE NAME: [Name]
 PLOT DRIVER: [Name]
 PEN TABLE: [Name]



USER NAME = charlke	DESIGNED - JP	REVISED -
PLOT SCALE = NTS	DRAWN - SP	REVISED -
PLOT DATE = 2/11/2010	CHECKED - TH	REVISED -
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VILLAGE OF MUNDELEIN

**FOUNDATION AND ELECTRICAL DETAILS
 U.S. ROUTE 45 (LAKE STREET)**

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. 121+05 TO STA. 126+25

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00089-00-LS	LAKE	13	12
CONTRACT NO. 63448				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NOTES:

CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE I.D.O.T. STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007.

CONCRETE SHALL BE CLASS SI AND IN ACCORDANCE WITH SECTION 503.

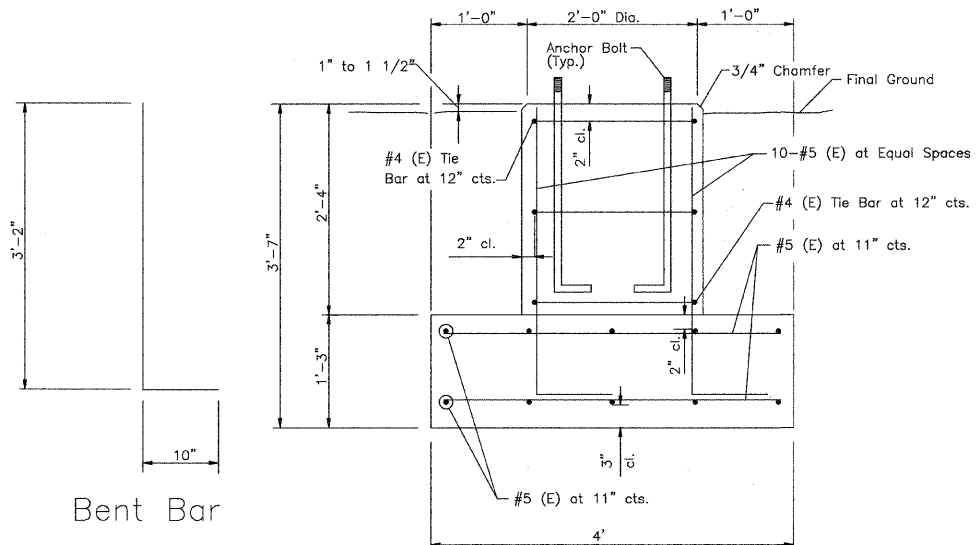
REINFORCING STEEL SHALL BE GRADE 60, EPOXY COATED AND IN ACCORDANCE WITH SECTION 508.

EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 502.

EXCAVATION AND CONSTRUCTION SHALL NOT UNDERMINE THE EXISTING PAVEMENT.

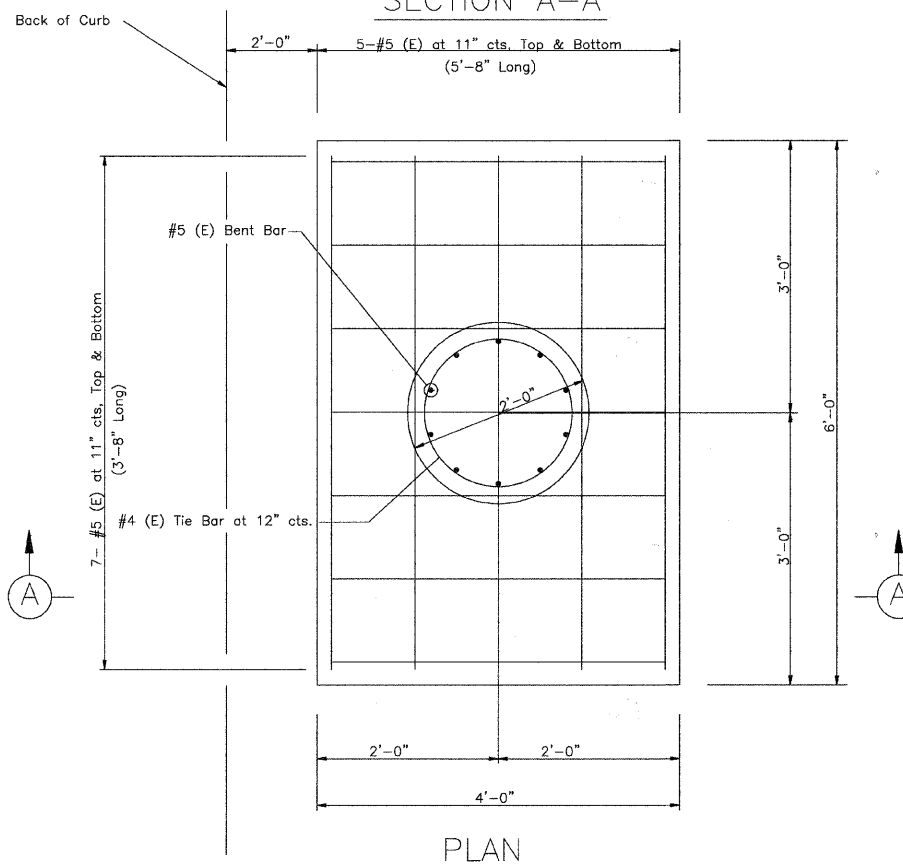
SEE SHOP DRAWINGS FOR ANCHOR BOLT CIRCLE REQUIREMENTS.

FOUNDATION SHALL BE PAID FOR AS "LIGHT POLE FOUNDATION (SPECIAL)".



Bent Bar

SECTION A-A



LIGHT POLE FOUNDATION, SPECIAL

SCALE: 1" = 1'-0"

COMPANY NAME: Smith
 PROJECT CONTACT: #PROJECT CONTACT
 CLIENT: WILSON
 CLIENT ADDRESS: 114623 AM
 FILE NAME: 080511.DET.dwg
 PLOT DRIVER: pct.dwt
 PEN TABLE: standard-trans.tbl

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USER NAME = charlke	DESIGNED - JP	REVISED -
PLOT SCALE = NTS	DRAWN - SP	REVISED -
PLOT DATE = 2/11/2010	CHECKED - TH	REVISED -
	DATE - 2/11/10	REVISED -

VILLAGE OF MUNDELEIN

CONSTRUCTION DETAILS
 U.S. ROUTE 45 (LAKE STREET)

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. 121+05 TO STA. 126+25

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00089-00-LS	LAKE	13	13
CONTRACT NO. 63448				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				