

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

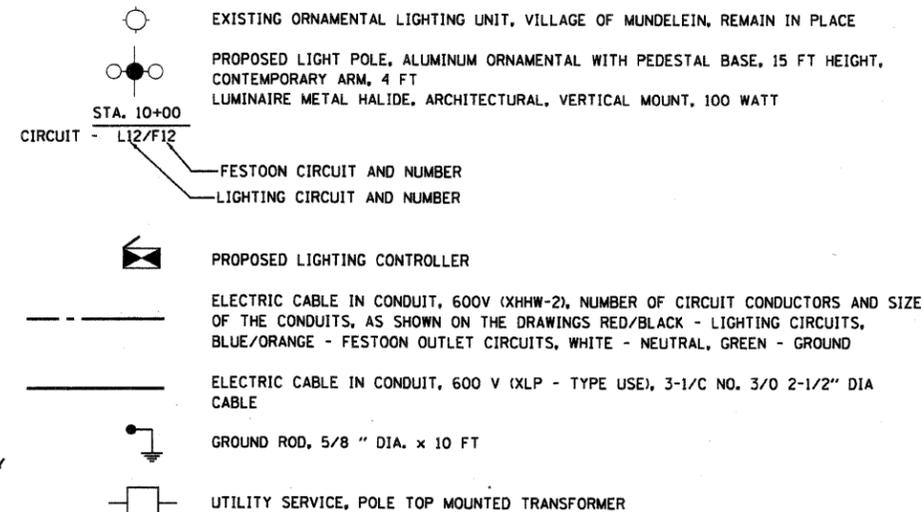
GENERAL NOTES

- 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: [Name]  
 CLIENT: [Name]  
 DATE PLOTTED: 5/6/2010 4:08:38 PM  
 FILE NAME: [Name]  
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	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				