GENERAL ELECTRICAL NOTES:

- 1. ELECTRICAL WORK AND MATERIALS MUST CONFORM WITH NATIONAL, STATE, LOCAL CODES, AND UL AND OTHER STANDARDS.
- 2. CONTRACTOR WILL FIELD VERIFY EXACT LOCATIONS, QUANTITIES, AND TYPE OF UTILITIES IN AREAS TO BE EXCAVATED PRIOR TO COMMENCEMENT OF ANY WORK AND WILL HAND EXCAVATE AS REQUIRED IN ORDER TO NOT INTERRUPT ANY EXISTING SERVICES. IF IN PERFORMING WORK DAMAGE TO EXISTING UTILITIES (PUBLIC OR PRIVATE) OCCURS, CONTRACTOR WILL NOTIFY UTILITY IMMEDIATELY AND PAY ANY COST INCURRED FOR REPAIR OR REPLACEMENT OF SUCH DAMAGE.
- 3. ELECTRICAL EQUIPMENT, RACEWAY, ETC. ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR WILL INSTALL ELECTRICAL EQUIPMENT, RACEWAYS, ETC. WHERE DIRECTED BY THE ENGINEER IN ORDER TO BEST SUIT JOB CONDITIONS.
- 4. CONDUIT MUST BE PUSHED UNDER ROADWAYS, DRIVEWAYS AND SIDEWALKS AS DIRECTED BY THE ENGINEER. CONDUIT MUST BE PUSHED PAST TREES IF THE ENGINEER DETERMINES THAT TRENCHING MAY HARM THE TREES. ALL OTHER CONDUIT MAY BE INSTALLED BY ANY METHOD APPROVED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE CONTRACT.
- 5. WORK AND MATERIALS MUST CONFORM TO STANDARD SPECIFICATIONS, SUPPLEMENTAL AND SPECIAL PROVISIONS, UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES:

- 1. ALL IN TRENCH RUNS WILL BE UNIT DUCT, UNLESS OTHERWISE NOTED.
- 2. THE GROUND CONDUCTOR WILL HAVE NO SPLICE OR KINKS BELOW GRADE, IT WILL BE SOLIDLY CONNECTED TO THE GROUNDING LUG OF EACH POLE AND TO THE GROUND ROD AT THE SERVICE INSTALLATION.
- 3. ALL POLES AND THE STREET LIGHT CONTROLLERS WILL BE CONNECTED TO A CONTINUOUS GROUND CONSISTING OF A GREEN INSULATED ELECTRICAL CONDUCTOR 600V. XLP (SIZE AS INDICATED ON THE PLANS). THIS CONDUCTOR WILL BE PLACED INSIDE THE CONDUIT/DUCT ALONG WITH THE INSULATED CABLES.
- 4. SUFFICIENT LENGTH OF ELECTRICAL CONDUCTOR WILL BE COILED IN HANDHOLES AND IN LIGHT STANDARDS TO PROVIDE ADEQUATE SLACK SO THAT ELECTRICAL CONDUCTOR MAY BE PULLED OUT 18" FOR INSPECTION. SAID SLACK WILL BE NEATLY COILED AND PLACED IN THE HANDHOLES AND/OR LIGHT STANDARD.
- 5. ALL CIRCUITS WILL BE 2-1/C #4 AND 1-1/C #6 GROUND (GREEN) INSULATED IN 1" CABLE DUCT, UNLESS OTHERWISE NOTED.
- 6. ALL POLE STANDARD OFFSETS SHOWN ARE FROM THE CENTER LINE.

BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	400
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	614
JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 12"X12"X6"	EACH	8
JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 18"X18"X6"	EACH	4
UNIT DUCT, 600V, 2-1/C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	385
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	910
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	740
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1480
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	1350
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	36
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	6
REMOVAL OF POLE FOUNDATION	EACH	4
LIGHT POLE, ALUMINUM, 30 FT. M.H., 6 FT DAVIT ARM	EACH	4
LIGHT POLE, SPECIAL	EACH	1
LUMINAIRE (SPECIAL)	EACH	5
NAVIGATION OBSTRUCTION LIGHTING CONTROLLER	EACH	1
NAVIGATION LIGHTING SYSTEM	L SUM	1
DRILL EXISTING HANDHOLE	EACH	1



SCALE: