

1. THE WORK TO BE PERFORMED BY THE CONTRACTOR INCLUDES FURNISHING ALL MATERIALS, LABOR, TOOLS, EQUIPMENT, LIGHT, POWER, TRANSPORTATION, SUPERINTENDENCY, TEMPORARY CONSTRUCTION OF EVERY NATURE, AND ALL OTHER SERVICES AND FACILITIES OF ANY NATURE WHATSOEVER NECESSARY TO MODIFY, COMPLETE, DELIVER AND PLACE IN OPERATION THE REFERENCED PROJECT.
2. THE ELECTRICAL CONTRACTOR IS TO PROVIDE ALL MATERIALS AND LABOR TO INSTALL THE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. ITEMS NOT SHOWN BUT OBVIOUSLY NECESSARY FOR THE COMPLETION OF THE WORK SHALL BE INCLUDED.
3. THE CONTRACTOR SHALL DIRECTIONAL BORE 2" GRAY PVC ELECTRICAL CONDUIT FOR THE ENTIRE LENGTH OF THE PROJECT, INCLUDING MEDIANS, ROAD CROSSINGS AND PARKWAYS. ANY OPEN CUT TRENCH SHALL BE APPROVED BY THE CITY PRIOR TO EXCAVATION.
4. THE DRAWINGS ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF THE CONDUIT RUNS. TRENCHING AND/OR DIRECTIONAL BORING SHALL BE COORDINATED WITH OTHER UTILITIES, SO THAT CONFLICTS ARE AVOIDED PRIOR TO INSTALLATION. ADDITIONALLY, MAINTAIN ENOUGH DISTANCE FROM EXISTING TREES AND LANDSCAPE AREAS SUCH THAT MINIMUM DAMAGE IS DONE TO EXISTING ROOTS.
5. CONTRACTOR SHALL COORDINATE SERVICE CONNECTIONS WITH FP&L. INSTALL LIGHT POLES IN THE APPROXIMATE LOCATION SHOWN, WITH THE PULL BOXES ACCORDINGLY.
6. ALL WORK SHALL CONFORM TO LATEST APPROVED EDITION OF THE NATIONAL ELECTRICAL CODE (NEC). THE CONTRACTOR WILL REVIEW ALL DRAWINGS FOR COMPLIANCE WITH THE PERMIT OFFICE REQUIREMENTS. THE CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA TO SEAL THE DRAWINGS AND SUBMIT TO THE BUILDING OFFICIAL FOR PERMIT APPROVAL.
7. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE ENGINEERING SERVICES DEPARTMENT CONSTRUCTION COORDINATOR LEADER AND THE PUBLIC WORKS DEPARTMENT STREET LIGHTING SUPERVISOR, PRIOR TO STARTING CONSTRUCTION.
8. LOCATE ALL EXISTING UNDERGROUND UTILITIES BEFORE DIRECTIONAL BORING. REPAIR DAMAGED UTILITIES TO SAFE OPERATIONAL CONDITIONS IMMEDIATELY.
9. CONTRACTOR SHALL HAND DIG AT LOCATIONS OF NEW POLES, UNDER CURBS, ETC., TO ENSURE THE ABSENCE OF UNDERGROUND UTILITIES.
10. FOR ALL FEEDER CIRCUITS, PROVIDE (2) #6 AWG STANDARD COPPER XHHW 600V AND (1) #6 AWG 600V THWN FROM FPL HAND HOLES TO PULL BOXES. INSTALL WATERPROOF FUSE HOLDERS EQUAL TO BUSSMAN TYPE HEB-WW WITH FUSES IN HAND HOLES. PROVIDE PHOTOCCELL CONTROLLED SERVICE.
11. CONTRACTOR SHALL VERIFY THAT LUMINAIRE IS BONDED TO CIRCUIT GROUND WIRE AFTER INSTALLATION. PROVIDE SAID BONDING IF ABSENT.
12. ALL PHASE CONDUCTORS SHALL BE COLOR CODED BLACK; ALL NEUTRAL CONDUCTORS SHALL BE WHITE; ALL INSULATED GROUND CONDUCTORS SHALL BE GREEN.
13. ALL CONDUCTORS FROM PULL BOXES TO POLES SHALL BE COPPER, 600 VOLT, RHW (XLP), THWN OR XHHW IN PVC SCH 40 CONDUIT OR PLASTIC COATED FLEXIBLE METAL CONDUIT.
14. THE WIRES AT HAND HOLES AND JUNCTION BOXES SHALL BE LOOPED TO PROVIDE SUFFICIENT LENGTH TO COMPLETELY MOVE CONNECTORS OUTSIDE THE HAND HOLES OR JUNCTION BOXES FOR MAINTENANCE OR TROUBLE SHOOTING.
15. PROVIDE WATERPROOF SEAL ON ALL JUNCTION AND PULL BOX COVERS.
16. PROVIDE DUCT SEALS AT ENDS OF CONDUIT THAT ENTER PULL BOXES AND JUNCTION BOXES.

REVISED: SEPT-2009	STREET LIGHTING - ELECTRICAL NOTES	STANDARD DETAIL
ISSUED: SEPT - 2009	CITY OF WEST PALM BEACH ENGINEERING SERVICES DEPT.	SL-9