



LIGHT POLE BASE DETAIL

SCLAE: NTS



SITE PLAN

SCLAE: 1" = 50'

NOTES

- ALL WORK SHALL BE NEW AND SHALL BE PROVIDED UNDER THIS CONTRACT UNLESS SPECIFICALLY INDICATED AS (E), EXISTING TO REMAIN, OR EXIST.
- EXISTING TO REMAIN: PANEL HP: 100 AMP, 480/277-VOLT, 3 PHASE, 4 WIRE, CUTLER HAMMER TYPE NFB. PANEL HP HAS TWO 20 AMP, 1 POLE SPARE CIRCUIT BREAKERS #8 AND 10. USE ONE OF THESE CIRCUIT BREAKERS FOR THE PARKING LOT LIGHTING. PROVIDE UPDATED TYPEWRITTEN PANEL SCHEDULE UPON CONNECTION TO THE CIRCUIT BREAKER.
- ROUTE CONDUIT EXPOSED IN ELECTRICAL EQUIPMENT ROOM. CEILING HEIGHT IS APPROXIMATELY 15-FEET. ROOM IS APPROXIMATELY 10-12 FEET WIDE.
- DRILL THROUGH EXISTING EXTERIOR BRICK AND CONCRETE MASONRY UNIT WALL NEAR CEILING. ROUTE CONDUIT THROUGH WALL; PROVIDE WEATHERPROOF JUNCTION BOXES ON BOTH SIDES OF THE WALL. AFTER CONDUIT AND WIRE ARE INSTALLED SEAL AROUND CONDUIT AND WIRE WITHIN THE CONDUIT WITH FIRE RATED GROUT.
- ROUTE CONDUIT ON BUILDING EXTERIOR AT THE SAME HEIGHT AS THE CONDUIT PENETRATION. PAINT CONDUIT, JUNCTION BOXES, MOUNTING STRAPS AND OTHER NECESSARY INSTALLATION ITEMS WITH PAINT THAT MATCHES THE EXISTING BUILDING. ALL EXTERIOR CONDUIT, JUNCTION BOXES AND FITTINGS SHALL BE SUITABLE FOR EXTERIOR WORK.
- TURN CONDUIT DOWN AND PROVIDE 6-INCH SQUARE BY 6-INCH DEEP GASKETED JUNCTION BOX AT 18-INCHES ABOVE FINISHED GRADE. DIG AROUND AND EXPOSE EXISTING 2" CONDUIT. EXISTING WIRE IN 2" CONDUIT IS ABANDONED IN PLACE. REMOVE EXISTING WIRES. EXTEND 2" CONDUIT UP TO JUNCTION BOX.
- EXISTING ELECTRICAL SERVICE BACKBOARD TO REMAIN. EXISTING UNDERGROUND 2" CONDUIT TERMINATES AT THE ELECTRICAL SERVICE BACKBOARD. PROVIDE ELECTRICAL HANDHOLE IN LANDSCAPED AREA AT A SUITABLE LOCATION TO INTERCEPT THE EXISTING 2" CONDUIT.
- BORE AND JACK UNDER EXISTING PARKING LOT PAVEMENT TO THE PARKING LOT ISLAND IN. PROVIDE ELECTRICAL HANDHOLE IN THE PARKING LOT ISLAND. PROVIDE CAPPED 1-INCH CONDUIT STUB-OUT IN THE HANDHOLE SIDE FACING THE NEXT PARKING LOT ISLAND FOR FUTURE LIGHTING EXPANSION.
- PROVIDE 1" CONDUIT AND 2#8, 1#6 GROUND BETWEEN HANDHOLE AND EXTERIOR LIGHTING STANDARD. CONDUIT SHALL BE RIGID GALVANIZED STEEL, CONDUCTORS SHALL BE THWN COPPER.
- LIGHTING STANDARD (2 ON ONE POLE) SHALL BE HOLOPHANE LEGEND LED ROADWAY LIGHTING TYPE LEDG 120 35 4K AS Z L3 PCS. AMERICAN ELECTRIC AUTOBAHN ATBO 129W LED AND HUBBELL RL LED ROADWAY LIGHTING SERIES ARE EQUIVALENTS AND SHALL HAVE IES III (WIDE ASYMMETRICAL) PATTERN DISTRIBUTION. FIXTURE BRACKET ARM SHALL BE 3-FEET LONG. POLE SHALL BE 20-FOOT ALUMINUM, BRONZE FINISH ON REINFORCED CONCRETE BASE. CONCRETE BASE SHALL BE ACCORDING TO DETAIL HEREIN.
- LIGHTING STANDARD SHALL BE HOLOPHANE LEGEND LED ROADWAY LIGHTING TYPE LEDG 120 35 4K AS Z L4 PCS. AMERICAN ELECTRIC AUTOBAHN ATBO 129W LED AND HUBBELL RL LED ROADWAY LIGHTING SERIES ARE EQUIVALENTS AND SHALL HAVE IES IV (FORWARD THROW) PATTERN DISTRIBUTION. FIXTURE BRACKET ARM SHALL BE 3-FEET LONG. POLE SHALL BE 20-FOOT ALUMINUM, BRONZE FINISH ON REINFORCED CONCRETE BASE. CONCRETE BASE SHALL BE ACCORDING TO DETAIL HEREIN.
- HANDHOLES SHALL BE NOMINAL 15-INCHES BY 25-INCHES MONOLITHIC POLYMER CONCRETE RATED 22,500 POUNDS ANSIS/CTE 77-2007 TIER 22 WITH "STREET LIGHTING" COVER LOGO.



APPR	DATE
SYN	DESCRIPTION
APPROVED FOR COMMANDER NAVFAC ACTIVITY SATISFACTORY TO DES: DRAW: CHK: XXXX PROJECT: STATION/INSTALLATION PROJECT CITY, STATE B1652 PARKING LOT LIGHTING SITE PLAN	
SCALE:	PROJECT NO.: #####
CONSTR. CONTR. NO.:	#####-##-####
NAVFAC DRAWING NO.:	#####-##-####
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