



1 ELECTRICAL SITE PLAN  
 E-01  
 1/16" = 1' - 0"

**GENERAL NOTES:**

- 1) ALL WORK REQUIRED FOR ENTERGY POWER COMPANY SHALL BE VERIFIED WITH THE ENTERGY POWER COMPANY ENGINEER. PRIOR TO ROUGHING IN ANY UNDER GROUND CONDUITS AND/OR ORDERING ANY CABINETS/BOXES FOR THE BUILDING AND FIRE PUMP SERVICES, EMAIL MR. MARIO BARDAL AT MBARDAL@ENTERGY.COM AND CONFIRM ENTERGY'S SERVICE REQUIREMENTS.
- 2) DO NOT ROUTE ANY UNDER GROUND CONDUITS IN EXISTING "RIGHT OF WAY" EASEMENTS.

**SPECIFIC NOTES:**

- 1) CONCRETE ENCASED UNDERGROUND DUCT BANK. SEE DETAIL 3/E400 FOR U.S. CONDUIT WORK.
- 2) CONCRETE ENCASE ALL UNDERGROUND CONDUITS WITH A MINIMUM OF 3 INCHES OF 3000 PSI CONCRETE ON ALL SIDES OF THE CONDUITS.
- 3) PROVIDE 3 INCHES OF CONCRETE ENCASEMENT FOR THE NEW TELEPHONE, CATV, AND WI-FI CONDUITS ROUTED BELOW THE PARKING LOT.
- 4) PROVIDE #8 CONDUCTORS FOR THE ENTIRE LENGTH OF THE EXTERIOR LIGHTING BRANCH CIRCUIT(S).
- 5) PROVIDE #10 CONDUCTORS FOR THE ENTIRE LENGTH OF THE EXTERIOR LIGHTING BRANCH CIRCUIT(S).
- 6) STUB-OUT THE CONDUITS TO THE EXISTING POWER POLE, PER THE REQUIREMENTS OF ENTERGY POWER COMPANY.
- 7) STUB-OUT TELEPHONE CONDUITS AS DIRECTED BY AT&T.
- 8) STUB-OUT THE TV CONDUITS AS DIRECTED BY THE TV SERVICE PROVIDER.
- 9) STUB-UP POWER FEEDER SERVING CHILLER YARD PANELBOARD "CHP" IN THE EAST WALL OF THE MAIL AND COPY ROOM 124. REFER TO DRAWINGS E201 AND E202 FOR THE CONTINUATION OF THE POWER FEEDER RISING THROUGH THE BUILDING.
- 10) STUB-UP POWER FEEDER SERVING THE MAIN SWITCHBOARD "MSWB" IN THE EAST WALL OF THE MAIL AND COPY ROOM 124. SEE SHEET E201 FOR LOCATION.
- 11) PROVIDE (2) 4" CONDUITS + (1) 4" SPARE CONDUIT AND POWER FEEDER TO BUILDING SWITCHBOARD "MSWB". REFER TO THE POWER RISER DIAGRAM REFER TO DRAWINGS E201 AND E202 FOR THE CONTINUATION OF THE MAIN SWITCHBOARD POWER FEEDER RISING THROUGH THE BUILDING.
- 12) PROVIDE (2) 4"+(1) 4" SPARE CONDUIT FROM THE ENTERGY POWER POLE TO THE J-BOX ADJACENT TO THE CT CABINET. CONCRETE ENCASE THE UNDER GROUND CONDUITS FOR ENTERGY'S SERVICE CABLES/CONDUCTORS.
- 13) PROVIDE CT CABINET RATED PER THE REQUIREMENTS OF ENTERGY POWER COMPANY. VERIFY THE SIZE OF THE CABINET WITH ENTERGY.
- 14) METER CABINET PROVIDED BY ENTERGY.
- 15) FOR MOUNTING OF ALL ELECTRICAL EQUIPMENT, PROVIDE A CONCRETE EMBEDDED UNI-STRUCT IRON CHANNEL RACK, SIZE AS REQUIRED. SEE DETAIL 5/E401.
- 16) PROVIDE WP J-BOX FOR ENTERGY POWER COMPANY. SEE POWER RISER DIAGRAM ON SHEET E2.

**SPECIFIC NOTES:**

- 17) PROVIDE AN 800 AMP, 480Y/277V, 3#4W, SERVICE RATED DISCONNECT SWITCH, "MDS". SEE POWER RISER DIAGRAM FOR DETAILS, SHEET E0.2.
- 19) PROVIDE A FULLY BUSSED NEMA 3R ENCLOSURE. THE ENCLOSURE SHALL BE RATED FOR 800 AMPS, 480Y/277V, 3#4W, BUILDING SERVICE RATED DISCONNECT SWITCH "MDS". THE ENCLOSURE SHALL BE HOT WHEN ENERGIZED BY EXTERIOR AND SHALL HAVE NO MEANS FOR DISCONNECTING. CONNECT THE FIRE PUMP TO THE LUGS IN THIS ENCLOSURE. SEE POWER RISER DIAGRAM IN SHEET E0.2.
- 20) PROVIDE NEW SERVICE RATED FIRE PUMP UNDER GROUND SERVICE LATERAL IN 2" C. + (1) 2" C. SPARE. SEE THE POWER RISER DIAGRAM ON SHEET E02 FOR THE POWER FEEDER SIZE. CONCRETE ENCASE WITH A MINIMUM OF 3 INCHES OF 3000 PSI CONCRETE VIA THE UNDER GROUND DUCT BANK AND UNDER THE BUILDING SLAB AS WELL CONDUITS.
- 21) PROVIDE (1) 2-1/2" CONDUIT + THE POWER FEEDER FOR PANELBOARD "CHP" AND (1) 2-1/2" SPARE CONDUIT.
- 22) DO NOT DISTURB THE ROOT STRUCTURE UNDER THE EXISTING TREES IN THE PARK WHEN EXCAVATING AND TRENCHING THE UNDERGROUND DUCT BANKS. HAND DIG WHERE REQUIRED.
- 23) STUB UP (2) 2" C + PULL CORDS AND CAP WITHIN 6 INCHES OF THE CONCRETE BASE ON THE LIGHTING POLE FOR THE FUTURE WI-FI POS SYSTEM.
- 24) STUB-UP THE TELEPHONE, CATV AND WI-FI CONDUITS TO 6 INCHES ABOVE THE FINISHED FLOOR AT THE TELEPHONE BACKBOARD "2TB" ON THE SECOND FLOOR IN THE COMMUNICATIONS ROOM.
- 25) PROVIDE (2) 3 INCH TELEPHONE CONDUITS AND (2) 2 INCH CATV CONDUITS IN CONCRETE ENCASED COMMUNICATIONS DUCT BANK.
- 26) PROVIDE (2) 2" CONCRETE ENCASED EMPTY CONDUITS FOR WI-FI SYSTEM.
- 27) A STANDARD 20A, GFI RECEPTACLE SHOULD BE INSTALLED WITHIN THE HOT BOX IN AN OUTLET BOX MOUNTED ON THE SLAB. THE ELECTRIC HEATERS (2) EACH HAVE A SIX (6) FOOT LONG CORD THAT PLUGS INTO THE RECEPTABLES.
- 28) CIRCUITS 11B-31 AND 11B-33 WILL GO DIRECTLY TO A 1P,20A CIRCUIT BREAKER LOCATED IN PANEL 11B. INSTALL A JUNCTION BOX IN THE CONDUIT RUN PRIOR TO THE CONDUIT ENTERING THE PANEL ENCLOSURE SO THAT CIRCUIT 11B-29 CAN BE ROUTED THROUGH THE LIGHTING CONTACTOR. FURNISH AND INSTALL TWO (2) 1P,20A CIRCUIT BREAKERS.
- 29) APPROXIMATE LOCATION OF HOT BOX.

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New Orleans City Park  
 Administration Building  
 1 Palm Drive  
 New Orleans, Louisiana 70124  
 Project No. 01-107-05B-13 Part No. BZ  
 Site Code 1-36-066

SHEET TITLE:  
 ELECTRICAL SITE PLAN

DATE: March 23, 2009  
 DRAWN BY: JAM  
 REVISION:  
 ADDENDUM #1 4-17-09  
 ADDENDUM #2 4-23-09  
 REVISED ENTERGY U.G. FEEDERS  
 REVISED U.G. CONDUITS 09-15-09  
 WI-FI CONDUITS 10-07-09  
 WI-FI CONDUITS REVISED 12-02-09  
 POWER FOR HOTBOX 01-29-10

Bid/Construc Documents  
 E-01