

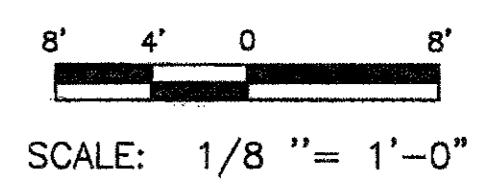
**1 POWER AND CONTROL BASE PLAN**  
 E3-102 SCALE: 1/8"=1'-0"

- POWER KEYNOTES:**
- 1 EXACT LOCATION OF MOTORS, DEVICES AND EQUIPMENT TO BE DETERMINED USING VENDOR AND/OR CONSTRUCTORS DRAWINGS. VENDORS DRAWINGS SHALL BE USED AS REQUIRED TO DETERMINE, COORDINATE AND VERIFY ENTRY OF RACEWAYS AND TERMINATION OF CONDUCTORS FOR VENDOR EQUIPMENT.
  - 2 CONDUIT INSTALLED SHALL NOT INTERFERE WITH ACCESS AND SERVICING OF EQUIPMENT, AND SHALL NOT PREVENT REMOVAL OF FLOOR GRATING OR PLATES.
  - 3 CONDUITS UP TO GRINDER CP. ALL CONDUITS PENETRATING SLAB SHALL BE INSTALLED WITH CONDUIT SEAL-OFFS AT 20" ABOVE SLAB.
  - 4 NOT USED
  - 5 NOT USED
  - 6 NOT USED
  - 7 CONTRACTOR SHALL INSTALL KELLUM GRIPS FOR ALL VENDOR SUPPLIED MANUFACTURER PUMP CABLES BEFORE ENTERING RACEWAYS TO EACH J-BOX.
  - 8 INSTALL CABLE AND CONDUIT SEAL-OFFS FOR THE SUBMERSIBLE PUMPS, RADAR LEVEL TRANSMITTERS, FLOAT LEVEL SWITCHES, FLUSHING WATER SOLENOIDS, AND ASSOCIATED JUNCTION BOXES.

**2 LIGHTING & FIRE ALARM BASE PLAN**  
 E3-102 SCALE: 1/8"=1'-0"

- GENERAL NOTES:**
1. SEE DRAWING E0-601 FOR PANELBOARD SCHEDULES.
  2. SEE DRAWINGS E3-103 FOR LOCATION OF MCC AND PANELS.
  3. CABLE AND CONDUIT SIZES FOR MOTORS AND OTHER DEVICES CONNECTED TO ELECTRICAL EQUIPMENT LIKE MCC'S, VFD'S, RVSS DRIVES ARE SHOWN ON SINGLE LINE DRAWING ONLY (E3-101).
  4. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL DEVICES PRIOR TO ROUGH-IN.
  5. BRANCH CIRCUIT CONDUITS MAY ALSO BE EMBEDDED IN CONCRETE SLAB.  
 MINIMUM SIZE CONDUIT EXPOSED SHALL BE 3/4".  
 MINIMUM SIZE CONDUIT IN SLAB SHALL BE 1".
  6. PUMP STATION WET WELL IS A CLASS 1 DIVISION 1, HAZARDOUS AREA. 10" AWAY FROM WET WELL AND 18" ABOVE WET WELL IS THE LIMIT OF HAZARDOUS AREA. PROVIDE SEALING FITTINGS PER NEC FOR EACH CONDUIT ENTERING HAZARDOUS AREA.
  7. CONDUIT, BOXES, FITTINGS AND SUPPORTS SHALL BE SUITABLE FOR HAZARDOUS AND/OR CORROSIVE AREAS AS SPECIFIED ON THE AREA CLASSIFICATIONS DRAWING.
  8. CONDUCTORS AND RACEWAY TO COMMUNICATIONS NETWORK. SEE ALSO ELECTRICAL SITE PLANS FOR APPROXIMATE ROUTE OF RACEWAYS TO BUILDING.
  9. PROVIDE PUMP CABLE ROUTING TO ENSURE THE POSITIONS AND SUPPORTS ARE LOCATED TO FULLY SUPPORT THE CABLES.
  10. PROVIDE AND COORDINATE ROUTING OF HORIZONTAL PUMP CABLE SUPPORT TRAYS WITH EQUIPMENT AT THE TOP OF THE PUMP STATION.
  11. INSTALL ALL INSTRUMENT POWER AND CONTROL PER MANUFACTURERS REQUIREMENTS.
  12. ALL INSTRUMENTATION CABLE AND CONDUITS SHALL BE BY DEFAULT, 2#14 - 3/4" C. FOR DISCRETE SIGNALS AND 1-2/C#16SH. - 3/4" GRC. FOR ANALOG SIGNALS, UNLESS NOTED OTHERWISE.
  13. ALL BRANCH CIRCUIT FEEDERS SHALL BE BY DEFAULT, 2#12 & #12G. - 3/4" C. UNLESS OTHERWISE NOTED.

- LIGHTING KEYNOTES:**
- 1 RUN CIRCUIT VIA LIGHTING CONTACTOR 'LC-101', CONTROLLED VIA MOTION SENSOR/TIMECLOCK. REFER TO MOTION SENSOR/TIMECLOCK CONTROL DIAGRAM ON SHEET E0-601 FOR ADDITIONAL INFORMATION.
  - 2 EMERGENCY LIGHTS AND EXIT SIGNS SHALL HAVE BATTERIES WITH A MINIMUM OF 90 MIN. BACK-UP TIME.
  - 3 ALL FIXTURES TO BE MOUNTED FROM THE DECK AND SHALL NOT EXTEND DOWN BELOW THE BOTTOM OF THE BEAM. CONTRACTOR TO COORDINATE EXACT MOUNTING HEIGHT WITH STRUCTURAL DRAWINGS.



PEACHTREE CREEK SOUTH FORK  
 RELIEF STORAGE AND PUMPING STATION

CITY OF ATLANTA  
 DEPARTMENT OF WATERSHED MANAGEMENT

| REV | DATE     | REVISION DESCRIPTION    |
|-----|----------|-------------------------|
| 0   | 10/28/12 | 100 PERCENT BID PACKAGE |

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE.  
 THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE OR GOVERNING TECHNICAL SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.

PROJECT NO: FC-6260  
 DATE: OCTOBER 2012  
 RESP PROF: DESIGNER: CHECKER:  
 KCV AWP WFR

SHEET TITLE  
 ELECTRICAL  
 03 - DIVERSION FACILITY PUMP STATION  
 ELECTRICAL PLANS  
 BASE LEVEL

SHEET NO. E3-102 REV. 0