



- NOTES:
1. PROVIDE UNINTERRUPTIBLE POWER SUPPLY (UPS) TO POWER ALL CONTROLLERS, NETWORKING EQUIPMENT, MODEMS AND SIGNAL CONDITIONERS INSIDE THE CONTROL PANEL. REFERENCE SPECIFICATION 13300.
  2. COMMUNICATION OF LEVEL AT THE PEACHTREE CREEK TRUNK SEWER MANHOLE WILL BE VIA A TELEPHONE CONNECTION TO A RTU PANEL LOCATED AT THE EXISTING MANHOLE. CONTRACTOR TO DETERMINE IF A SEPARATE POLLING PLC IS APPROPRIATE FOR HANDLING THIS REMOTE COMMUNICATION CONNECTION.
  3. PUMP MONITORING PANELS (SUPPLIED BY SUBMERSIBLE PUMP VENDOR - SPECIFICATION 11999) SHALL BE DAISY-CHAINED TOGETHER TO A MOD BUS COMMUNICATION MODULE ATTACHED TO THE PROGRAMMABLE CONTROLLER INSIDE THE PLANT CONTROL SYSTEM LOCAL CONTROL PANEL.
  4. THE DRIVES ASSOCIATED WITH THE SUBMERSIBLE PUMPS SHALL BE NETWORKED TOGETHER AND CONNECTED TO PLANT CONTROL SYSTEM TO ALLOW FOR ADDITIONAL DIAGNOSTIC MONITORING OF THE DRIVE BEYOND THE HARDWIRED INTERFACE SHOWN ON THE P&ID'S AND MOTOR ELEMENTARIES.
  5. THE PLANT CONTROL SYSTEM SHALL BE CONFIGURED WITH REMOTE MONITORING CAPABILITY SO THAT THE OWNER HAS ABILITY TO SEE ALL INFORMATION MONITORED AND HAVE LIMITED CONTROL FUNCTIONS. SECURITY FEATURES INCLUDING ETHERNET ROUTER (CONFIGURED TO RESTRICT REMOTE ACCESS) AND REDUNDANT COMMUNICATION DEVICES SHALL BE PROVIDED.
  6. INTERCONNECT DIVERSION FACILITY PLC LOCAL CONTROL PANEL AND EQUALIZATION FACILITY PLC LOCAL CONTROL PANEL VIA REDUNDANT FIBER OPTIC NETWORK CABLE (12 FIBERS PER CABLE). ROUTE EACH CABLE IN A SEPARATE CONDUIT. PROVIDE FIBER OPTIC PATCH PANEL AT EACH END.
  7. PROVIDE NEW FOXBORO PLC GATEWAY AND NEW FOXBORO DCS GRAPHICS FOR MONITORING THE LIDDELL DRIVE EQUALIZATION FACILITY PER DCS SPECIFICATION 13500. COMMUNICATION TO RM CLAYTON WRC'S FOXBORO DCS SYSTEM WILL BE VIA INTERNET CONNECTION TO THE NEW PLC GATEWAY AT RM CLAYTON. ONCE THE STATUS OF THE NEW PLANT CONTROL SYSTEM IS AVAILABLE AT RM CLAYTON IT CAN BE MONITORED ANYWHERE OVER EXISTING COA NETWORK.



PEACHTREE CREEK SOUTH FORK  
RELIEF STORAGE AND PUMPING STATION

CITY OF ATLANTA  
DEPARTMENT of WATERSHED MANAGEMENT

REV	DATE	REVISION DESCRIPTION
9	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: KCV    DESIGNER: WHP    CHECKER: BLB

SHEET TITLE  
INSTRUMENTATION  
00 - GENERAL  
NETWORK DIAGRAM

SHEET NO. I-002    REV. 0