



- NOTES:**
- THERE ARE THREE VARIABLE SPEED DIVERSION PUMPS AND ONE CONSTANT SPEED DRAINAGE PUMP. DIVERSION PUMPS HAVE VARIABLE SPEED DRIVES AND DRAINAGE PUMP HAS A CONVENTIONAL MOTOR STARTER (NO SPEED FEEDBACK OR CONTROL). ALL FOUR PUMPS ARE SUBMERSIBLE TYPE PUMPS WITH VENDOR FURNISHED MOTOR PROTECTION. (PUMP MONITOR)
 - A VENDOR FURNISHED PUMP SURGE PROTECTION SYSTEM SHALL BE PROVIDED FOR THE DIVERSION PUMPS. THE VENDOR PACKAGE SHALL INCLUDE A PUMP DISCHARGE PRESSURE SWITCH, ELECTRONICALLY OPERATED CHECK VALVE WITH A FULLY OPEN LIMIT SWITCH AND A LOCAL SURGE CONTROL PANEL. THE SURGE CONTROL PANEL IS TO BE WIRED TO THE VFD FOR START/STOP CONTROL AND THE PANEL IS TO BE HARDWIRED TO THE PLANT CONTROL SYSTEM FOR MONITORING AND CONTROL.
 - PROVIDE UPS POWER FOR THE MOTORIZED ISOLATION VALVE FCV-203.
 - WHEN A HIGH COMBUSTIBLE GAS LEVEL OR H₂S CONCENTRATION IS DETECTED, A SIGNAL WILL BE SENT TO THE DIVERSION FACILITY LOSS OF VENTILATION ALARM PANEL TO GENERATE LOCAL AUDIBLE AND VISUAL ALARMING.
 - THIS SECTION OF PIPING IS BI-DIRECTIONAL WITH FLOW FROM THE DIVERSION PUMPS TO THE EQUALIZATION TANK DURING A RELIEF EVENT AND FLOW FROM THE EQUALIZATION TANK TO THE EXISTING PEACHTREE CREEK RELIEF SEWER DURING EQUALIZED FLOW RETURN.
 - SUMP PUMP WILL BE A SELF CONTAINED AUTOMATIC STARTING TYPE PUMP WITH INTEGRAL START-STOP FLOAT LEVEL SWITCHES. PROVIDE GFI PROTECTED OUTLET TO PLUG IN THE SUMP PUMP. CONTRACTOR TO PROVIDE A SEPARATE HIGH HIGH FLOAT LEVEL SWITCH FOR REMOTE ALARMING.




 CITY OF ATLANTA
 DEPARTMENT OF WATERSHED MANAGEMENT
 PEACHTREE CREEK SOUTH FORK
 RELIEF STORAGE AND PUMPING STATION

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: KCV DESIGNER: WHP CHECKER: BLB

SHEET TITLE
 INSTRUMENTATION
 03 - DIVERSION FACILITY PUMP STATION
 WET WELL 1 P&ID

SHEET NO. I-102 REV. 0