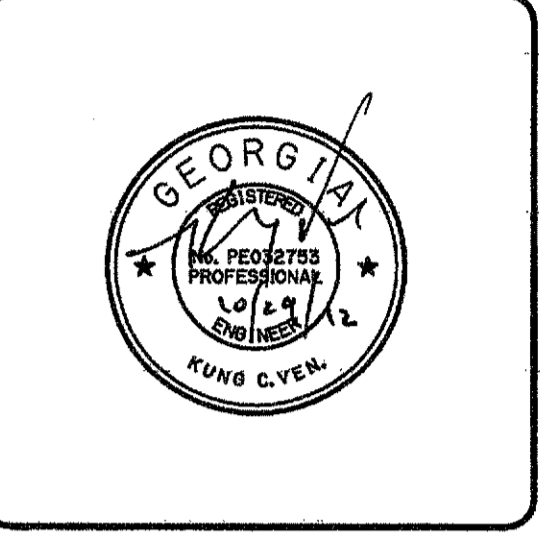
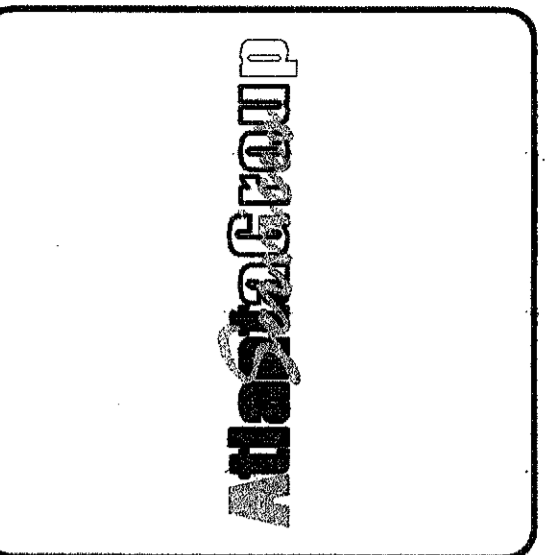


- NOTES:**
- THERE ARE THREE VARIABLE SPEED DIVERSION PUMPS AND ONE CONSTANT SPEED DRAINAGE PUMP. DIVERSION PUMPS HAVE VARIABLE SPEED DRIVES AND DRAINAGE PUMP HAS A CONVENTIONAL MOTOR STARTER (NO SPEED FEEDBACK OR CONTROL). ALL FOUR PUMPS ARE SUBMERSIBLE TYPE PUMPS WITH VENDOR FURNISHED MOTOR PROTECTION. (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, ELECTRICALLY CONTROLLED CHECK VALVE WITH A FULLY OPEN LIMIT SWITCH, AND A LOCAL SURGE CONTROL PANEL. SURGE CONTROL PANEL TO BE WIRED FOR START/STOP CONTROL AND SHALL BE HARDWIRED TO THE PLANT CONTROL SYSTEM FOR MONITORING AND CONTROL.
  - 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.



PEACHTREE CREEK SOUTH FORK  
RELIEF STORAGE AND PUMPING STATION

CITY OF ATLANTA

DEPARTMENT OF WATERSHED MANAGEMENT

REV	DATE	DESCRIPTION
0	10/28/12	100 PERCENT BID PACKAGE
1		
2		
3		
4		
5		
6		
7		
8		

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 2 P&ID**

SHEET NO. **I-103**    REV. **0**