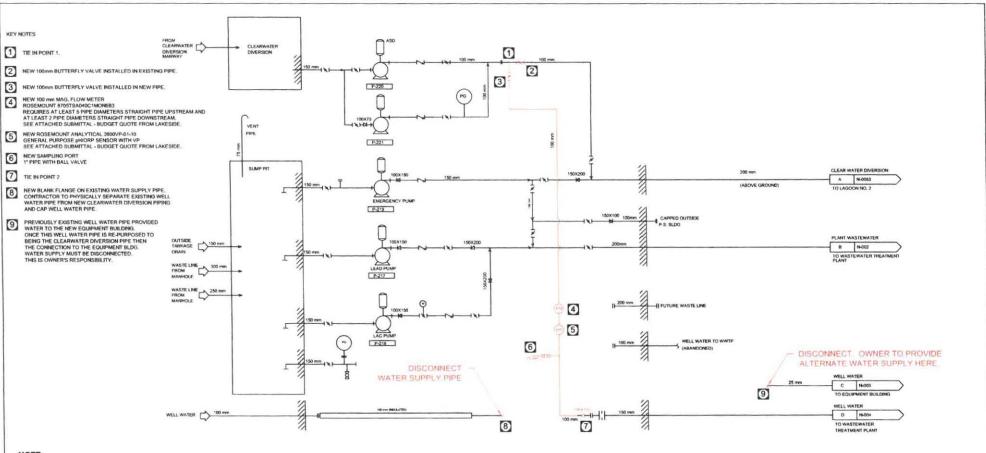


REV.	DESCRIPTION	DATE	APPROVED	A	SMUNDSSON ENGINEER	RING	
Α	DRAFT. ISSUED FOR REVIEW	JUNE9/16				Constitution of the Consti	
В	DRAFT. ISSUED FOR REVIEW	JUNE14/16			DIAGEO CLEARWATER SWITCHOVER WWTP - PARTIAL		
					PROCESS FLOW DIAGR	AM	
					EXISTING CONDITIONS		
				NTS	PFD3	В	



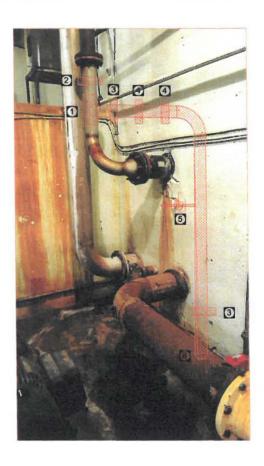
## NOTE:

- 1. EXISTING CONDITIONS COPIED DIRECTLY FROM CH2M HILL DRAWING PHASE 1 ENGINEERING SERVICES, AS CONSTRUCTED, DATED MARCH 2016
- 2. EXISTING PIPING SHOWN IN BLACK AND NEW PIPING SHOWN IN RED.

REV.	DESCRIPTION	DATE	APPROVED	ASMUNDSSON ENGINEERING			
Α	DRAFT, ISSUED FOR REVIEW	JUNE9/16		DIAGEO	CLEARWATER SW STATION	ARWATER SWITCHOVER	
				12/19/09/	PROCESS FLOW DIAGRAM NEW CONDITIONS		
		-		NTS CANNONIMEN PFD2		A A	

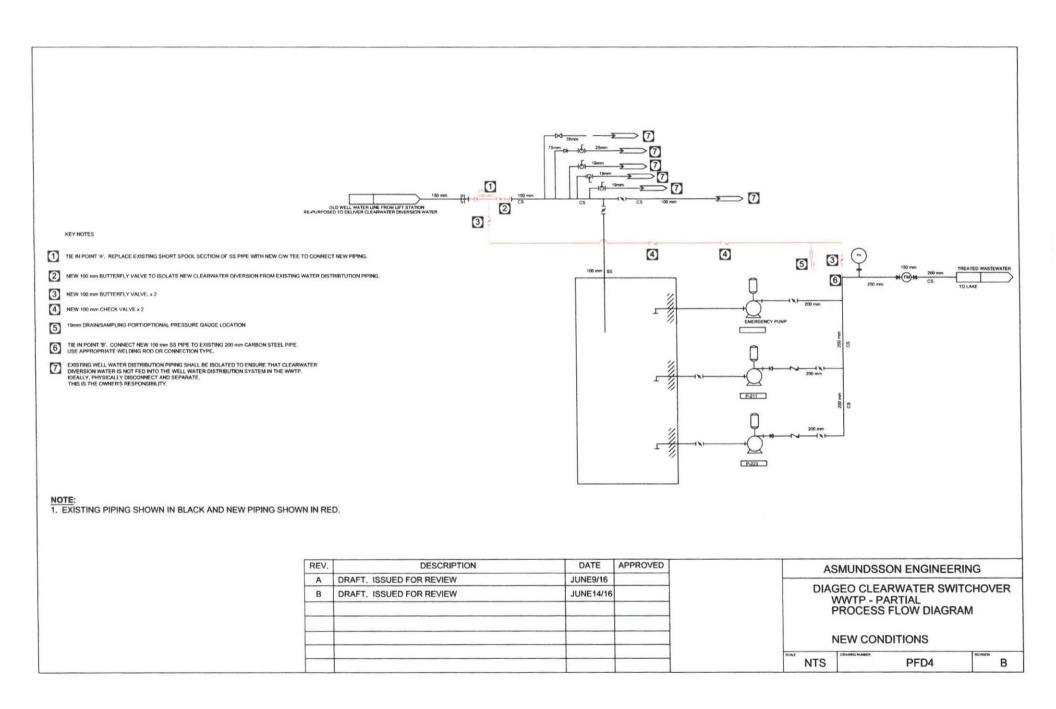
1	TIE IN POINT W. REPLACE EXISTING SHORT SPOOL SECTION OF SS PIPE WITH NEW CW TEE TO CONNECT NEW PIPING.
2	NEW 100 mm BUTTERFLY VALVE TO ISOLATE NEW CLEARWATER DIVERSION FROM EXISTING WATER DISTRIBITUTION PIPING.
3	NEW 100 mm BUTTERFLY VALVE, x 2
4	NEW 100 mm CHECK VALVE x 2
5	19mm DRAIN/SAMPLING PORT/OPTIONAL PRESSURE GAUGE LOCATION
6	TIE IN POINT 16". CONNECT NEW 100 mm SS PIPE TO EXISTING 200 mm CARBON STEEL PIPE, USE APPROPRIATE WELDING ROD OR CONNECTION TYPE.

EXISTING PIPING SHOWN IN BLACK AND NEW PIPING SHOWN IN RED.



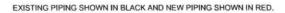
## WWTP BASEMENT

REV.	DESCRIPTION	DATE	APPROVED	ASMUNDSSON ENGINEERING		
Α	DRAFT. ISSUED FOR REVIEW	JUN12/16				
В	DRAFT. ISSUED FOR REVIEW JUN14/1	JUN14/16		DIAGEO CLEARWATER SWITCHOVER WWTP BASEMENT PIPING SKETCH		
				NEW CONDITIONS		
				SCALE M2 ACTER B		



1	TIE IN POINT 1.
2	NEW 100mm BUTTERFLY VALVE INSTALLED IN EXISTING PIPE.
3	NEW 100mm BUTTERFLY VALVE INSTALLED IN NEW PIPE.
4	NEW 100 mm MAG, FLOW METER ROSEMOUNT 870STSAMOCTIMON8B3 RECOURIES AT LEAST 8 PIPE DIAMETERS STRAIGHT PIPE UPSTREAM AN AT LEAST 2 PIPE DIAMETERS STRAIGHT PIPE DOWNSTREAM. SEE ATTACHED SUBMITTAL 5 BUDGET QUOTE FROM LANESIDE.
6	NEW ROSEMOUNT ANALYTICAL 3900VP-01-10 GENERAL PURPOSE PHORP SENSOR WITH VP SEE ATTACHED SUBMITTAL - BUDGET QUOTE FROM LAKESIDE.
6	NEW SAMPLING PORT 1" PIPE WITH BALL VALVE
7	TIE IN POINT 2

KEY NOTES





## LIFT STATION BASEMENT

REV.	DESCRIPTION	DATE	APPROVED	ASMUNDSSON ENGINEERING			
Α	DRAFT. ISSUED FOR REVIEW	JUN12/16			DIAGEO CLEARWATER SWITCHOVER LIFT STATION BASEMENT		
В	DRAFT. ISSUED FOR REVIEW	JUN14/16		DIAGE			
					PIPING SKETCH  NEW CONDITIONS		
				SCALE	М1	В	