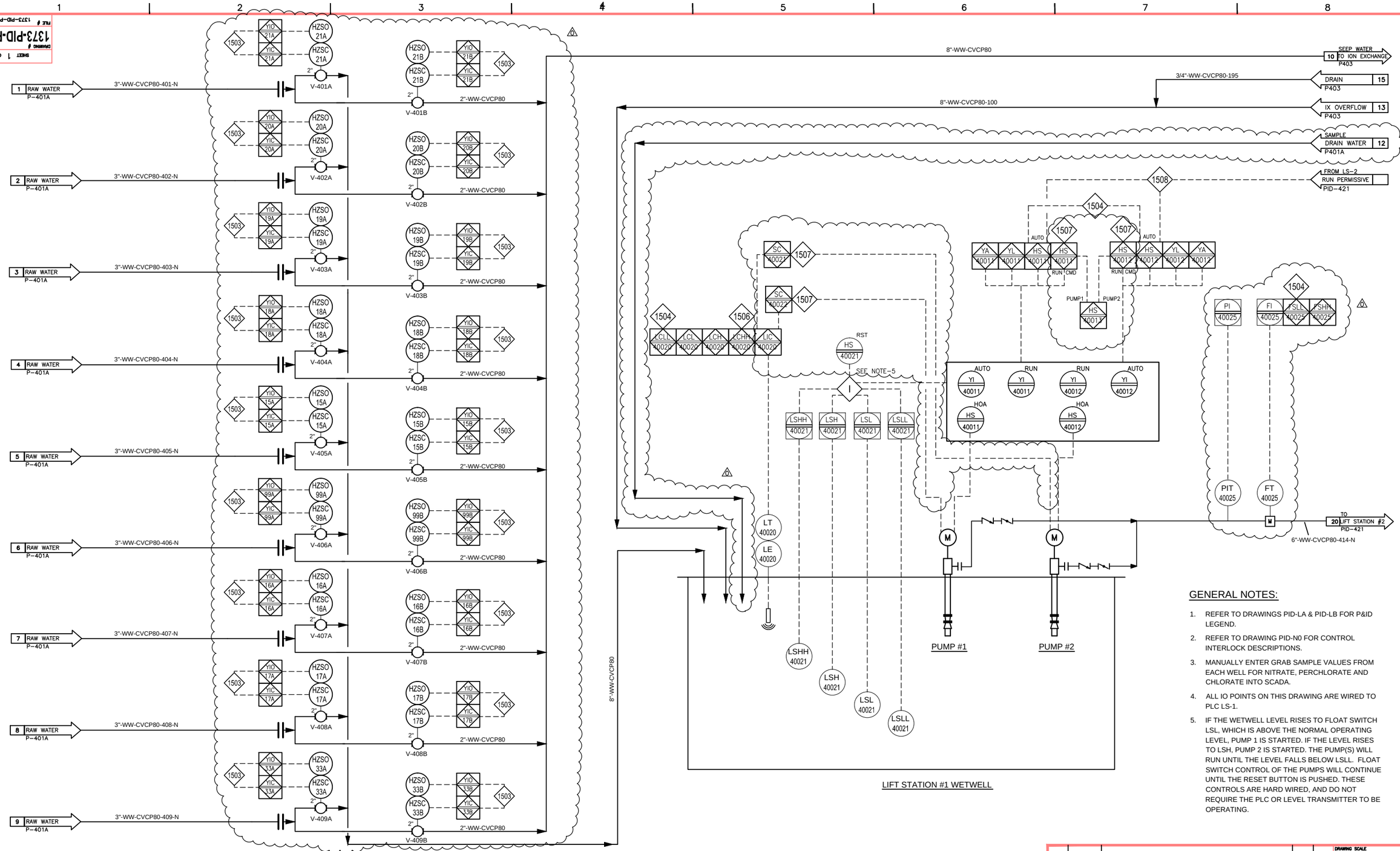

GENERAL NOTES:

1. REFER TO DRAWINGS PID-LA & PID-LB FOR P&ID LEGEND.
2. REFER TO DRAWING PID-N0 FOR CONTROL INTERLOCK DESCRIPTIONS.
3. MANUALLY ENTER GRAB SAMPLE VALUES FROM EACH WELL FOR NITRATE, PERCHLORATE AND CHLORATE INTO SCADA.
4. ALL IO POINTS ON THIS DRAWING ARE WIRED TO PLC LS-1.
5. IF THE WETWELL LEVEL RISES TO FLOAT SWITCH LSL, WHICH IS ABOVE THE NORMAL OPERATING LEVEL, PUMP 1 IS STARTED. IF THE LEVEL RISES TO LSH, PUMP 2 IS STARTED. THE PUMP(S) WILL RUN UNTIL THE LEVEL FALLS BELOW LSLL. FLOAT SWITCH CONTROL OF THE PUMPS WILL CONTINUE UNTIL THE RESET BUTTON IS PUSHED. THESE CONTROLS ARE HARD WIRED, AND DO NOT REQUIRE THE PLC OR LEVEL TRANSMITTER TO BE OPERATING.

P-40011 / P-40012	
LS-1 WET WELL PUMPS	
TYPE:	VERTICAL TURBINE PUMP
MODEL:	
CAPACITY:	675 gpm @ xx ft TDH
POWER:	50 HP, 1775 rpm
CONNECTION:	6"ϕ NPT

REV	DATE	DESCRIPTION OF REVISION	REVISED BY	CHECKED BY
2	08-18-16	ISSUED FOR CONSTRUCTION	DL	MD
1	07-19-16	ISSUED FOR NDEP REVIEW	DL	DW

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NERT
HENDERSON, NV

PIPING AND INSTRUMENTATION DIAGRAM
PERCHLORATE TREATMENT SYSTEM
SEEP WELL FIELD AND LIFT STATION NO. 1

DRAWING SCALE: N/A
DESIGNED BY/DATE: DI 05-15-15
DRAWN BY/DATE: MC 05-15-15
CHECKED BY/DATE: DI 05-15-15
SHEET SIZE: D
REVISION: 0
SHEET 1 OF 1
DRAWING # 1373-PID-P401B
FILE # 1373-PID-P401B-0

ENVIROGEN TECHNOLOGIES
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A Lifecycle Performance Company

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APPROVED BY:

LAST EDITED: 8/18/16 BY: DJEDICH NETWORK PATH: G:\ENGINEERING\1373-101 TRONOX SERVICES\A0 SUB PROJECTS\1373-138 LS-1 IMPROVEMENTS\A3 TECHNICAL\A.4 DRAWINGS\PID\LS-1 IMPROVEMENTS 2016\IFC REV-0 SET