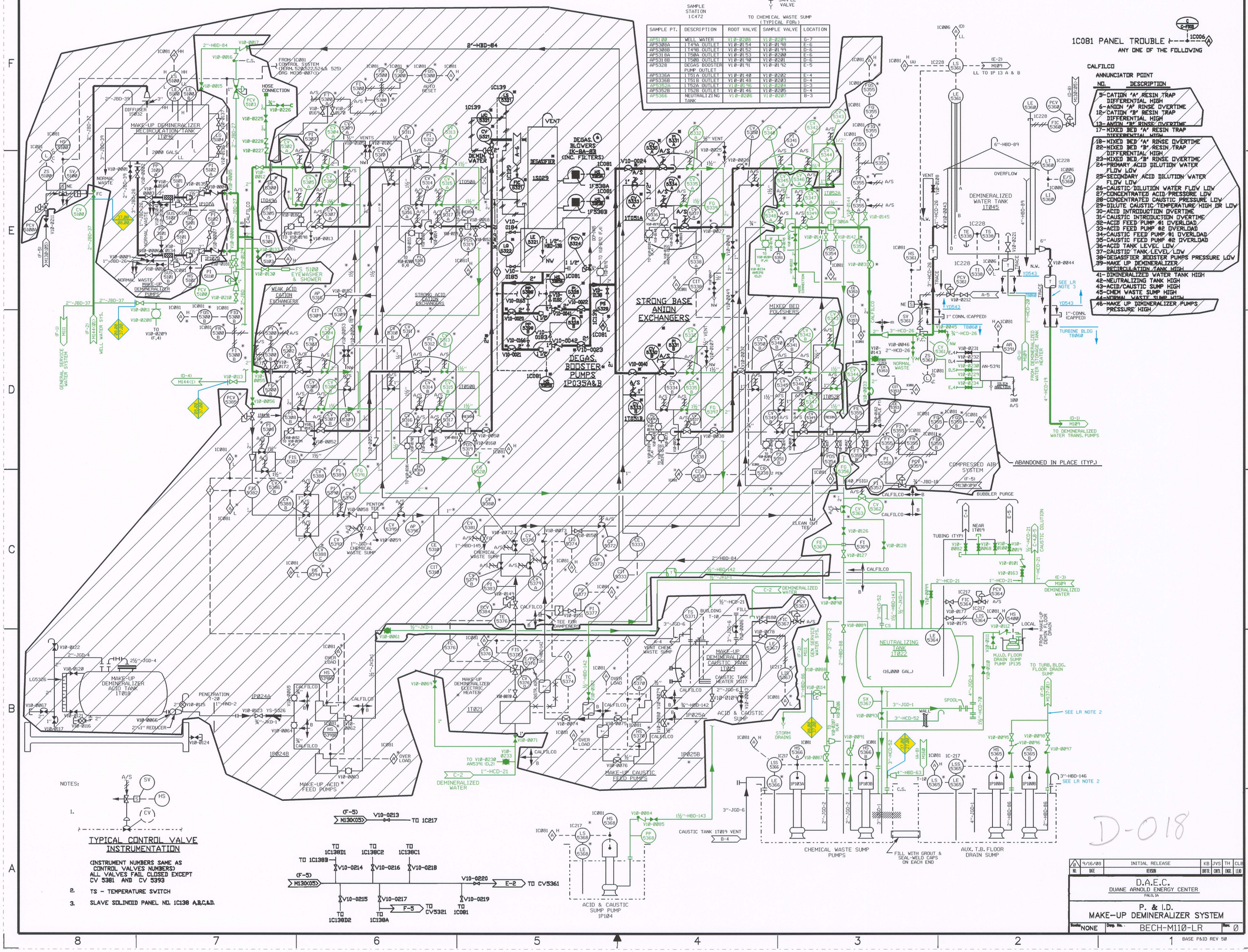

SAMPLE PT.	DESCRIPTION	ROOT VALVE	SAMPLE VALVE	LOCATION
AP5100	WELL WATER	V10-0208	V10-0209	G-7
AP5308A	1T49A OUTLET	V10-0154	V10-0198	E-6
AP5308B	1T49B OUTLET	V10-0152	V10-0199	D-6
AP5318A	1T50A OUTLET	V10-0153	V10-0200	E-6
AP5318B	1T50B OUTLET	V10-0190	V10-0201	D-6
AP5328	DEGAS BOOSTER PUMP OUTLET	V10-0191	V10-0192	E-5
AP5336A	1T51A OUTLET	V10-0148	V10-0202	E-4
AP5336B	1T51B OUTLET	V10-0149	V10-0203	D-4
AP5352A	1T52A OUTLET	V10-0196	V10-0204	G-3
AP5352B	1T52B OUTLET	V10-0146	V10-0205	D-4
AP5366	NEUTRALIZING TANK	V10-0206	V10-0207	B-3

1C081 PANEL TROUBLE

ANY ONE OF THE FOLLOWING

CALFILCO ANNUNCIATOR POINT

NO.	DESCRIPTION
5	CATION 'A' RESIN TRAP DIFFERENTIAL HIGH
6	ANION 'A' RINSE OVERTIME
12	CATION 'B' RESIN TRAP DIFFERENTIAL HIGH
13	ANION 'B' RINSE OVERTIME
17	MIXED BED 'A' RESIN TRAP DIFFERENTIAL HIGH
18	MIXED BED 'A' RINSE OVERTIME
22	MIXED BED 'B' RESIN TRAP DIFFERENTIAL HIGH
23	MIXED BED 'B' RINSE OVERTIME
24	PRIMARY ACID DILUTION WATER FLOW LOW
25	SECONDARY ACID DILUTION WATER FLOW LOW
26	CAUSTIC DILUTION WATER FLOW LOW
27	CONCENTRATED ACID PRESSURE LOW
28	CONCENTRATED CAUSTIC PRESSURE LOW
29	DILUTE CAUSTIC TEMPERATURE HIGH OR LOW
30	ACID INTRODUCTION OVERTIME
31	CAUSTIC INTRODUCTION OVERTIME
32	ACID FEED PUMP #1 OVERLOAD
33	ACID FEED PUMP #2 OVERLOAD
34	CAUSTIC FEED PUMP #1 OVERLOAD
35	CAUSTIC FEED PUMP #2 OVERLOAD
36	ACID TANK LEVEL LOW
37	CAUSTIC TANK LEVEL LOW
38	DEGASIFIER BOOSTER PUMPS PRESSURE LOW
39	MAKE UP DEMINERALIZER RECIRCULATION TANK HIGH
41	DIMINERALIZED WATER TANK HIGH
42	NEUTRALIZING TANK HIGH
43	ACID/CAUSTIC SUMP HIGH
44	CHEM WASTE SUMP HIGH
45	NORMAL WASTE SUMP HIGH
46	MAKE UP DIMINERALIZER PUMPS PRESSURE HIGH

LR NOTES

1. ALL OPEN RW DRAIN PIPING, FUNNELS, FLOOR DRAINS ON THIS DRAWING RECEIVING DRAINAGE FROM SUS 37.00 ARE IDENTIFIED BY JBD-SUS 37.00
2. ONLY THE EXPOSED PORTION OF PUMPS AND PIPING ABOVE THE BASIN COVER ARE IN SCOPE. THE 3"-HBD-146 PIPE IS NOT WATER FILLED THEREFORE, PIPING IS NOT IN SCOPE FOR CRITERION (aK2)
3. PORTIONS OF HCD-26, HCD-19, & HCD-20 LOCATED UNDERGROUND OR IN YD543 ARE NOT IN AREAS AFFECTING SR EQUIP AND ARE MARKED BLACK
4. PORTIONS OF JDG-2 & HCD143 PIPING ARE LOCATED UNDER COVERED ACID CAUSTIC SUMPS AND CHEM WASTE SUMP AND DO NOT AFFECT SR EQUIPMENT. TB FLOOR SUMP AND PUMP ARE ANALYZED IN LRSP-20.02
5. ALL EXPOSED DRAIN PIPING AND FUNNELS ARE IN SCOPE FOR LICENSE RENEWAL.

LR LEGEND:

- COMPONENTS IN SCOPE PER 10CFR54.4(aK1) AND/OR (aK3) AND SUBJECT TO AMR PER 54.21
- COMPONENTS NOT SUBJECT TO AMR
- COMPONENTS IN SCOPE PER 10CFR54.4(aK2) AND SUBJECT TO AMR PER 54.21
- SYSTEM BOUNDARY INTERFACE
  - 08.00 WELL WATER
  - 27.00 AUX HEATING BOILER
  - 37.00 CONDENSATE & DEMIN WATER

NO.	DATE	REVISION	DRFTR	CHKD.	ENGR.	LEAD
0	9/16/08	INITIAL RELEASE	KB	JVS	TH	CLB

D.A.E.C.
DUANE ARNOLD ENERGY CENTER
PALO, IA

P. & I.D.
MAKE-UP DEMINERALIZER SYSTEM

Scale: NONE | Dwg. No.: BECH-M110-LR | Rev.: 0

BASE P&ID REV 50