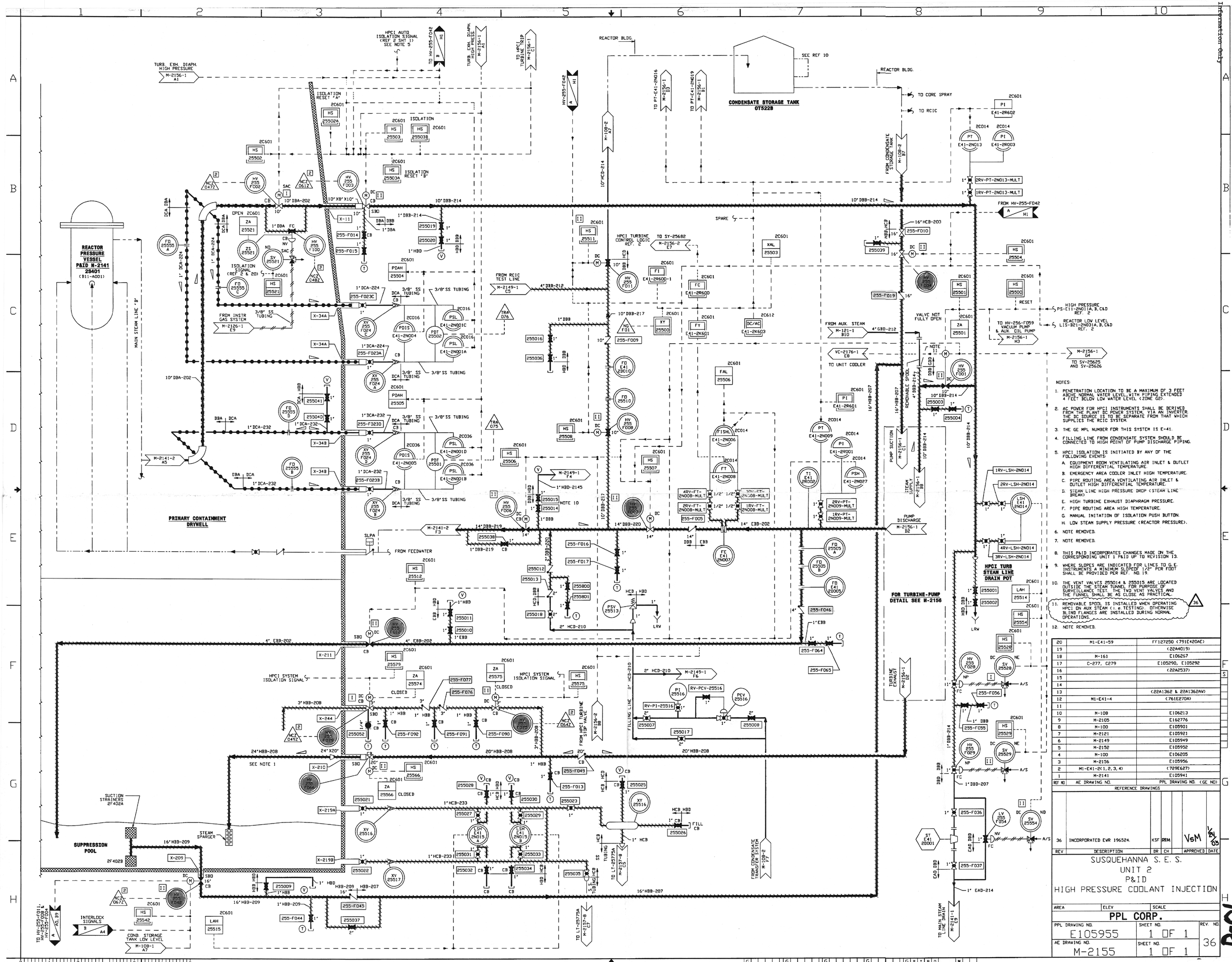

NOTES:

1. PENETRATION LOCATION TO BE A MAXIMUM OF 3 FEET ABOVE NORMAL WATER LEVEL WITH PIPING EXTENDED 4 FEET BELOW LOW WATER LEVEL (ZONE G2).
2. AC POWER FOR HPCI INSTRUMENTS SHALL BE DERIVED FROM THE PLANT DC POWER SYSTEM, VIA AN INVERTER. THE DC SOURCE IS TO BE SEPARATE FROM THAT WHICH SUPPLIES THE RCIC SYSTEM.
3. THE GE MPL NUMBER FOR THIS SYSTEM IS E-41.
4. FILLING LINE FROM CONDENSATE SYSTEM SHOULD BE CONNECTED TO HIGH POINT OF PUMP DISCHARGE PIPING.
5. HPCI ISOLATION IS INITIATED BY ANY OF THE FOLLOWING EVENTS:
   - A. EQUIPMENT ROOM VENTILATING AIR INLET & OUTLET HIGH DIFFERENTIAL TEMPERATURE.
   - B. EMERGENCY AREA COOLER INLET HIGH TEMPERATURE.
   - C. PIPE ROUTING AREA VENTILATING AIR INLET & OUTLET HIGH DIFFERENTIAL TEMPERATURE.
   - D. STEAM LINE HIGH PRESSURE DROP (STEAM LINE BREAK)
   - E. HIGH TURBINE EXHAUST DIAPHRAGM PRESSURE.
   - F. PIPE ROUTING AREA HIGH TEMPERATURE.
   - G. MANUAL INITATION OF ISOLATION PUSH BUTTON.
   - H. LOW STEAM SUPPLY PRESSURE (REACTOR PRESSURE).
6. NOTE REMOVED.
7. NOTE REMOVED.
8. THIS P&ID INCORPORATES CHANGES MADE ON THE CORRESPONDING UNIT 1 P&ID UP TO REVISION 13.
9. WHERE SLOPES ARE INDICATED FOR LINES TO G.E. INSTRUMENTS A MINIMUM SLOPE OF 1/2" PER FOOT SHALL BE PROVIDED PER REF. NO. 19.
10. THE VENT VALVES 255014 & 255015 ARE LOCATED OUTSIDE THE STEAM TUNNEL FOR PURPOSE OF SURVEILLANCE TEST. THE TWO VENT VALVES AND THE FUNNEL SHALL BE AS CLOSE AS PRACTICAL.
11. REMOVABLE SPOOL IS INSTALLED WHEN OPERATING HPCI ON AUX STEAM (i.e. TESTING). OTHERWISE BLIND FLANGES ARE INSTALLED DURING NORMAL OPERATIONS. 36
12. NOTE REMOVED.

REF NO	AE DRAWING NO.	PPL DRAWING NO. (GE NO)
20	M1-E41-59	FF127250 (791E420AE)
19		(22A4019)
18	M-161	E106267
17	C-277, C279	E105290, E105292
16		(22A2537)
15		
14		
13		(22A1362 & 22A1362AV)
12	M1-E41-4	(761E270A)
11		
10	M-108	E106213
9	M-2105	E162776
8	M-100	E105901
7	M-2121	E105921
6	M-2149	E105949
5	M-2152	E105952
4	M-100	E106205
3	M-2156	E105956
2	M1-E41-2(1,2,3,4)	(729E627)
1	M-2141	E105941

REFERENCE DRAWINGS

REV	DESCRIPTION	DR	CH	APPROVED	DATE
36	INCORPORATED EWR 196524.	KSF	REM	VSM	1/21/03

SUSQUEHANNA S. E. S.
UNIT 2
P&ID
HIGH PRESSURE COOLANT INJECTION

AREA | ELEV | SCALE

PPL CORP.

PPL DRAWING NO. E105955 | SHEET NO. 1 OF 1 | REV. NO. 36

AE DRAWING NO. M-2155 | SHEET NO. 1 OF 1

Information Only