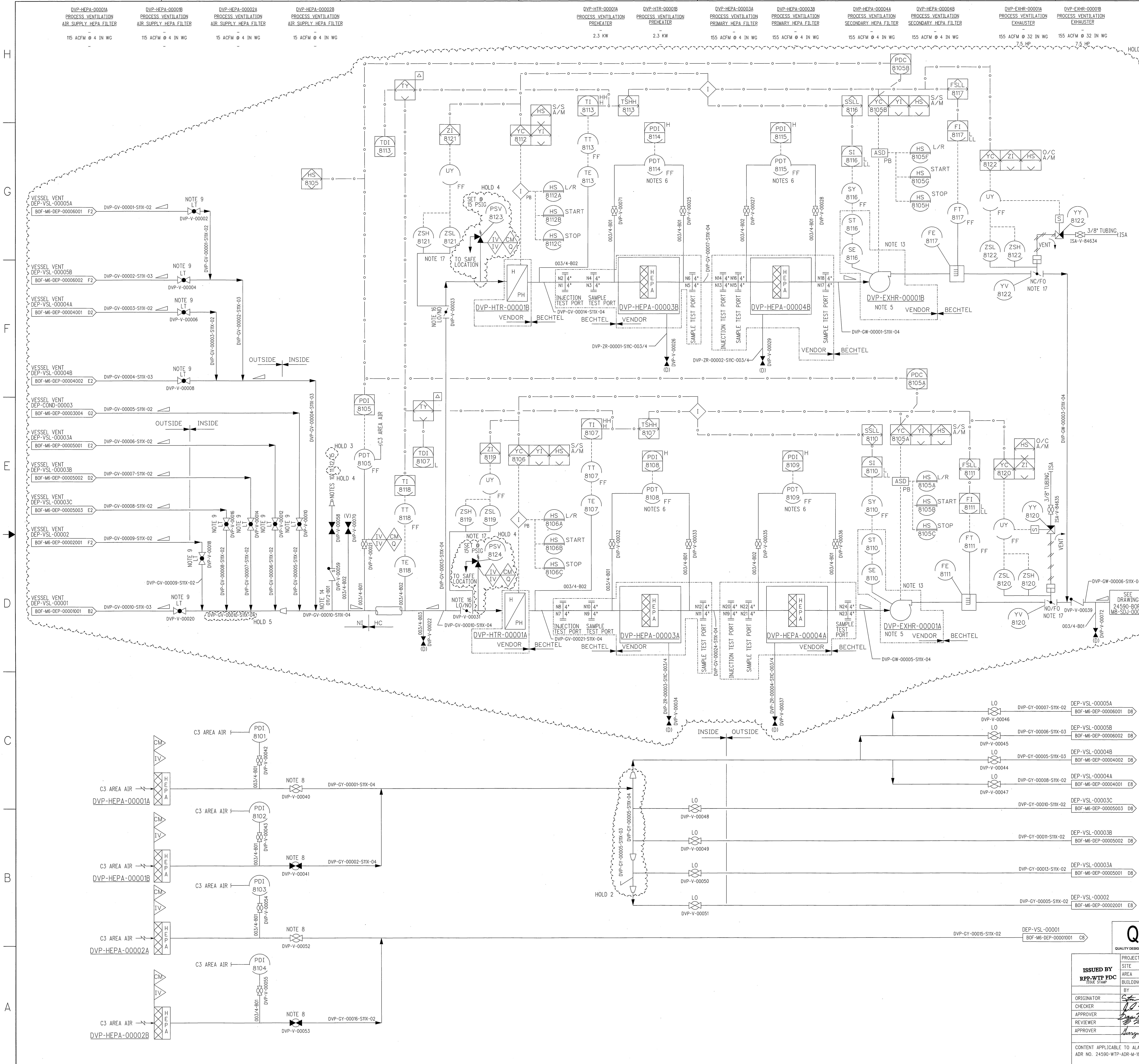

NOTES:

1. SEE DRAWINGS 24590-WTP-M6-50-00001 THROUGH 24590-WTP-M6-50-00008 FOR GENERAL NOTES, SYMBOLS AND LEGEND, AND GENERAL SLOPE REQUIREMENTS.
2. CONTENTS OF THIS DOCUMENT ARE DANGEROUS WASTE PERMIT AFFECTING.
3. THE PRESSURE BOUNDARY FOR ALL COMPONENTS ON THIS DRAWING IS AIR PERMIT AFFECTING AND IS QUALITY LEVEL Q AND SEISMIC CATEGORY SC-IV, UNLESS OTHERWISE NOTED.
4. ALL LINES SHOWN ON THIS DRAWING SHALL BE FREE DRAINING, UNLESS OTHERWISE NOTED.
5. THE DVP EXHAUSTERS ARE 100% CAPACITY UNITS AND WILL BE OPERATED ON A ROTATING BASIS, ONE OPERATING AND ONE STANDBY. THE DISCHARGE VALVE WILL BE CLOSED WHEN THE ASSOCIATED FAN IS IN STANDBY MODE TO MAINTAIN A CONSTANT FLOW PATH, BOTH EXHAUSTER DISCHARGE VALVES SHALL BE OPEN IF NEITHER EXHAUSTER IS RUNNING.
6. TRANSMITTER SHALL BE SUPPLIED WITH LOCAL INDICATION.
7. 24590-BOF-DGCE-MS-16-00004 APPROVES THE USE OF BALL VALVES FOR INSTRUMENT ROOT VALVES.
8. VALVE SHALL BE PROVIDED WITH LOCKING CAPABILITY AND LOCKED OPEN WHEN TRAIN IS IN USE.
9. VALVE SHALL BE POSITIONED TO ESTABLISHED RATES THEN LOCKED.
10. FOR CONNECTION TO LOCAL DIW UTILITY STATION FOR FLUSHING.
11. PRESSURE OF CONNECTING UTILITY NOT TO EXCEED 50 PSIG DESIGN PRESSURE. HOLD 4
12. LOCATE 10 FEET UPSTREAM OF HIGH POINT VENT.
13. INSTRUMENTS DO NOT PERFORM AN AIR PERMIT FUNCTION AND ARE QUALITY LEVEL CM.
14. ANGLE BRANCH TOWARDS DOWNSLOPE OF HEADER.
15. VESSEL RELIEF PATH SHALL REMAIN OPEN DURING FLUSHING. HOLD 3
16. VALVES SHALL STAY OPEN DURING EMF OPERATIONS TO ENSURE VESSEL RELIEF PATH IS OPEN.
17. INSTRUMENT IS Q FOR AIR PERMIT CONFINEMENT BOUNDARY AND DOES NOT INCLUDE FUNCTION.

HOLD/OPEN ITEMS:

1. VESSEL VENT LINE SIZE ON HOLD. THIS HOLD WILL BE RELEASED WHEN MECHANICAL OVERPRESSURE PROTECTION CALCULATION IS ISSUED.
2. LINE SIZE ON HOLD PENDING REVISION OF 24590-BOF-M6C-DVP-00001.
3. NOTE ON HOLD PENDING REVISION OF 24590-BOF-M6C-DIW-00006 TO INCLUDE REQUIREMENT.
4. RELIEF VALVES ON HOLD. HOLD WILL BE RELEASED WHEN CALCULATIONS DETERMINING RELIEF VALVE SIZING IS ISSUED.
5. LINE SIZE ON HOLD PENDING REVISION OF 24590-BOF-M6WX-DVP-00001001.

REFERENCES:

1. 24590-BOF-3ZD-25-00001, WTP EFFLUENT MANAGEMENT (EMF) FACILITY DESIGN DESCRIPTION AND DFLAW EFFLUENT MANAGEMENT FACILITY PROCESS (DEP) SYSTEM DESIGN DESCRIPTION.
2. 24590-BOF-M8-SDJ-00001, BOF/EMF BUILDINGS SDJ PLANT ROOM V&ID EXHAUST STACK MONITORING SYSTEM.

DRAWING INDEX

DWG NO	TITLE
24590-BOF-M6-DVP-00001001	DEP SYS VSL VENT PROCESS SYS DVP-EXHR-00001A/B

Q
QUALITY DESIGNATOR

REV	DESCRIPTION	ORG	CHKD	RVWD	APVD	DATE
0	ISSUED FOR CONSTRUCTION	SS	[signature]	BPV	[signature]	3/24/16

REVISION HISTORY

ISSUED BY RPP-WTP PDC ISSUE STAMP

PROJECT No.	24590
SITE	HANFORD
AREA	200E
BUILDING No.	25

	BY	DATE
ORIGINATOR	[signature]	3/24/16
CHECKER	[signature]	3/24/16
APPROVER	[signature]	3/24/16
REVIEWER	[signature]	3/24/16
APPROVER	[signature]	3/24/16

CONTENT APPLICABLE TO ALARA? [X] YES [ ] NO
ADR NO. 24590-WTP-ADR-M-16-0001 REV: 1

BECHTEL
RIVER PROTECTION PROJECT
WASTE TREATMENT PLANT
2435 STEVENS CENTER PLACE
RICHLAND, WA 99354

CONTRACT No: DE-AC27-01RV14136

P&ID - BOF / EMF DIRECT FEED LAW EMF VESSEL VENT PROCESS SYSTEM DVP-EXHR-00001A/B

SCALE: NONE
24590-BOF-M6-DVP-00001001
REV 0

'E' SIZE - 44x34
COMPUTER GENERATED - MANUAL DESIGN CHANGES NOT PERMITTED
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3/24/2016 10:54:25 AM
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FORM E_SDN.DGN 02/2009