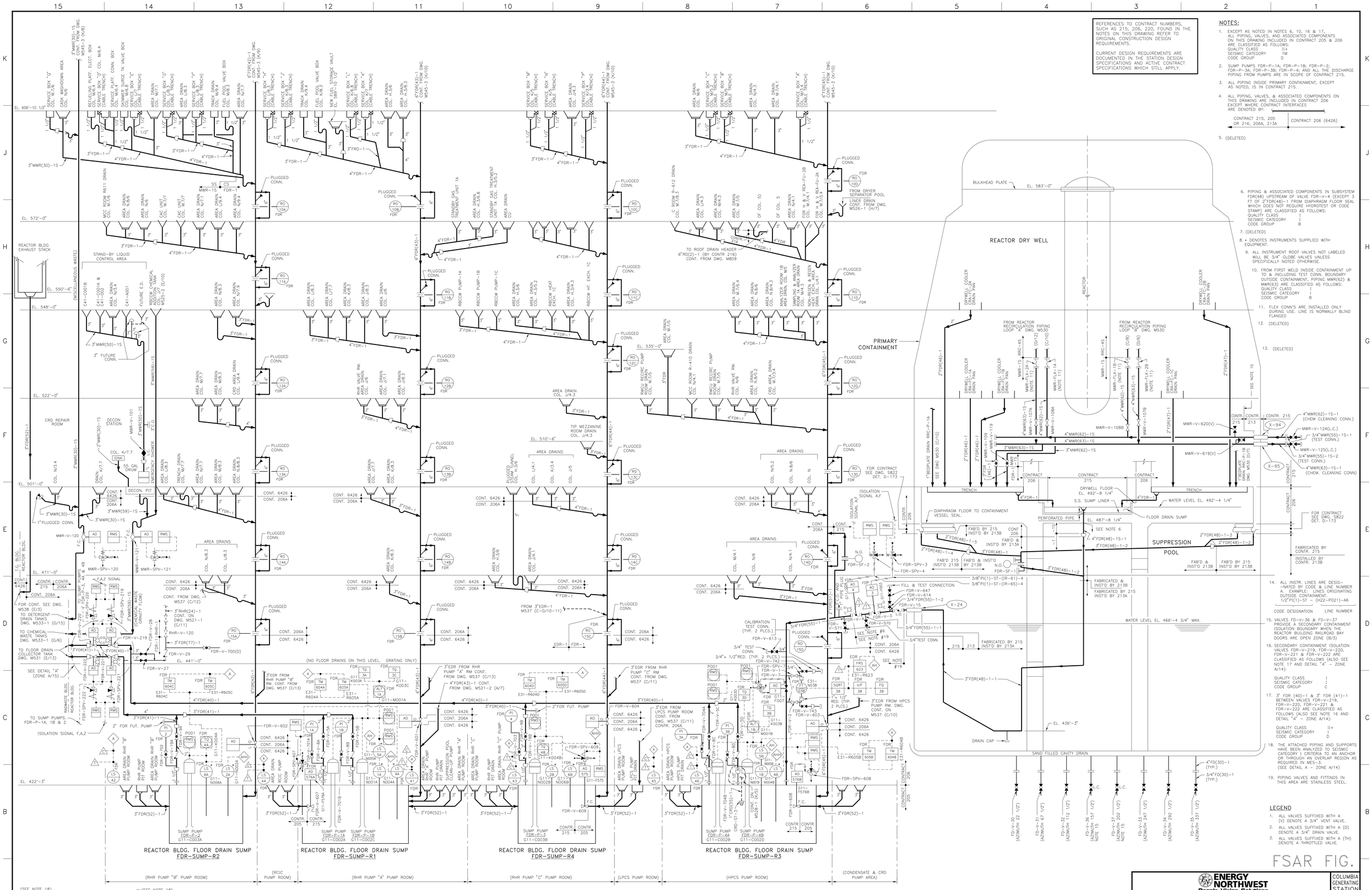

REFERENCES TO CONTRACT NUMBERS, SUCH AS 215, 206, 220, FOUND IN THE NOTES ON THIS DRAWING REFER TO ORIGINAL CONSTRUCTION DESIGN REQUIREMENTS.

CURRENT DESIGN REQUIREMENTS ARE DOCUMENTED IN THE STATION DESIGN SPECIFICATIONS AND ACTIVE CONTRACT SPECIFICATIONS WHICH STILL APPLY.

NOTES:

1. EXCEPT AS NOTED IN NOTES 6, 10, 16 & 17, ALL PIPING, VALVES, AND ASSOCIATED COMPONENTS ON THIS DRAWING INCLUDED IN CONTRACT 205 & 206 ARE CLASSIFIED AS FOLLOWS:
   QUALITY CLASS II+
   SEISMIC CATEGORY 1M
   CODE GROUP D
2. SUMP PUMPS FDR-P-1A; FDR-P-1B; FDR-P-2; FDR-P-3A; FDR-P-3B; FDR-P-4; AND ALL THE DISCHARGE PIPING FROM PUMPS ARE IN SCOPE OF CONTRACT 215.
3. ALL PIPING INSIDE PRIMARY CONTAINMENT, EXCEPT AS NOTED, IS IN CONTRACT 215.
4. ALL PIPING, VALVES, & ASSOCIATED COMPONENTS ON THIS DRAWING ARE INCLUDED IN CONTRACT 206 EXCEPT WHERE CONTRACT INTERFACES ARE DENOTED BY:
   CONTRACT 215, 205 OR 216, 206A, 213A | CONTRACT 206 (6426)
5. (DELETED)
6. PIPING & ASSOCIATED COMPONENTS IN SUBSYSTEM FDR(48) UPSTREAM OF VALVE FDR-V-4 (EXCEPT 3 FT OF 2"FDR(48)-1 FROM DIAPHRAGM FLOOR SEAL WHICH DOES NOT REQUIRE HYDROTEST OR CODE STAMP) ARE CLASSIFIED AS FOLLOWS:
   QUALITY CLASS I
   SEISMIC CATEGORY I
   CODE GROUP B
7. (DELETED)
8. • DENOTES INSTRUMENTS SUPPLIED WITH EQUIPMENT.
9. ALL INSTRUMENT ROOT VALVES NOT LABELED WILL BE 3/4" GLOBE VALVES UNLESS SPECIFICALLY NOTED OTHERWISE.
10. FROM FIRST WELD INSIDE CONTAINMENT UP TO & INCLUDING TEST CONN. BOUNDARY OUTSIDE CONTAINMENT, PIPING MWR(62) & MWR(63) ARE CLASSIFIED AS FOLLOWS:
    QUALITY CLASS I
    SEISMIC CATEGORY I
    CODE GROUP B
11. FLEX CONN'S ARE INSTALLED ONLY DURING USE. LINE IS NORMALLY BLIND FLANGED
12. (DELETED)
13. (DELETED)
14. ALL INSTR. LINES ARE DESIG-NATED BY CODE & LINE NUMBER A. EXAMPLE: LINES ORIGINATING OUTSIDE CONTAINMENT.
    1/2"PI(1)-ST – (H22-P021)-A6
    CODE DESIGNATION | LINE NUMBER
15. VALVES FD-V-36 & FD-V-37 PROVIDE A SECONDARY CONTAINMENT ISOLATION BOUNDARY WHEN THE REACTOR BUILDING RAILROAD BAY DOORS ARE OPEN ZONE (B/3)
16. SECONDARY CONTAINMENT ISOLATION VALVES FDR-V-219, FDR-V-220, FDR-V-221 & FDR-V-222 ARE CLASSIFIED AS FOLLOWS (ALSO SEE NOTE 17 AND DETAIL "A" – ZONE A/14):
    QUALITY CLASS I
    SEISMIC CATEGORY I
    CODE GROUP C
17. 3" FDR (40)-1 & 3" FDR (41)-1 BETWEEN VALVES FDR-V-219, FDR-V-220, FDR-V-221 & FDR-V-222 ARE CLASSIFIED AS FOLLOWS (ALSO SEE NOTE 16 AND DETAIL "A" – ZONE A/14):
    QUALITY CLASS II+
    SEISMIC CATEGORY I
    CODE GROUP D
18. THE ATTACHED PIPING AND SUPPORTS HAVE BEEN ANALYZED TO SEISMIC CATEGORY I CRITERIA TO AN ANCHOR OR THROUGH AN OVERLAP REGION AS REQUIRED IN MES-3. (SEE DETAIL A – ZONE A/14)
19. PIPING VALVES AND FITTINGS IN THIS AREA ARE STAINLESS STEEL.

LEGEND

1. ALL VALVES SUFFIXED WITH A (V) DENOTE A 3/4" VENT VALVE.
2. ALL VALVES SUFFIXED WITH A (D) DENOTE A 3/4" DRAIN VALVE.
3. ALL VALVES SUFFIXED WITH A (TH) DENOTE A THROTTLED VALVE.

FSAR FIG.

REV	DATE	DESCRIPTION	DWN	CHK	APVD
73	4-29-02	REDRAWN AND REVISED PER 01424-016, 01485-022, 01522-006.	AWT/BLS	KL	DRJ
74	11-14-03	CORRECTED INCORPORATION OF 215-M-8409 (D/6)	DMS	HL	SRP
75	4-25-05	REV PER 03762 (H/14).	JFT	HL	SRP
76	6-24-05	REV PER 02795-201 (A/14-15; B-D/1; C-D/14-15; D/4, 6; F-G/1-2; H/1; J/1-2; K/1), 02968-201 (B/1; D/6-7)	H.AL	HL	DRJ
77	9-1-05	REV PER 03813-300 (B-C/8)	H.AL	BLS	DRJ
78	9-19-05	CORRECTED INCORP. 03813-300 (B/7-8)	H.AL	KB	SRP

ENERGY NORTHWEST
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COLUMBIA GENERATING STATION

SIGNATURE		DATE
APPROVED	D. R. JACOBSEN	4-29-02
CHECKED	K. LUCAS	2-8-02
DRAWN	B. L. STAFFORD 4WARDTECH	8-21-00 6-17-99

TITLE: FLOW DIAGRAM FLOOR DRAIN SYSTEM REACTOR BUILDING

SCALE: NTS | DWG NO. M539 | REV. 78

SERVER84\MECH\M500\M539.DWG

TOP TIER

P052-E1 RO (8/94)