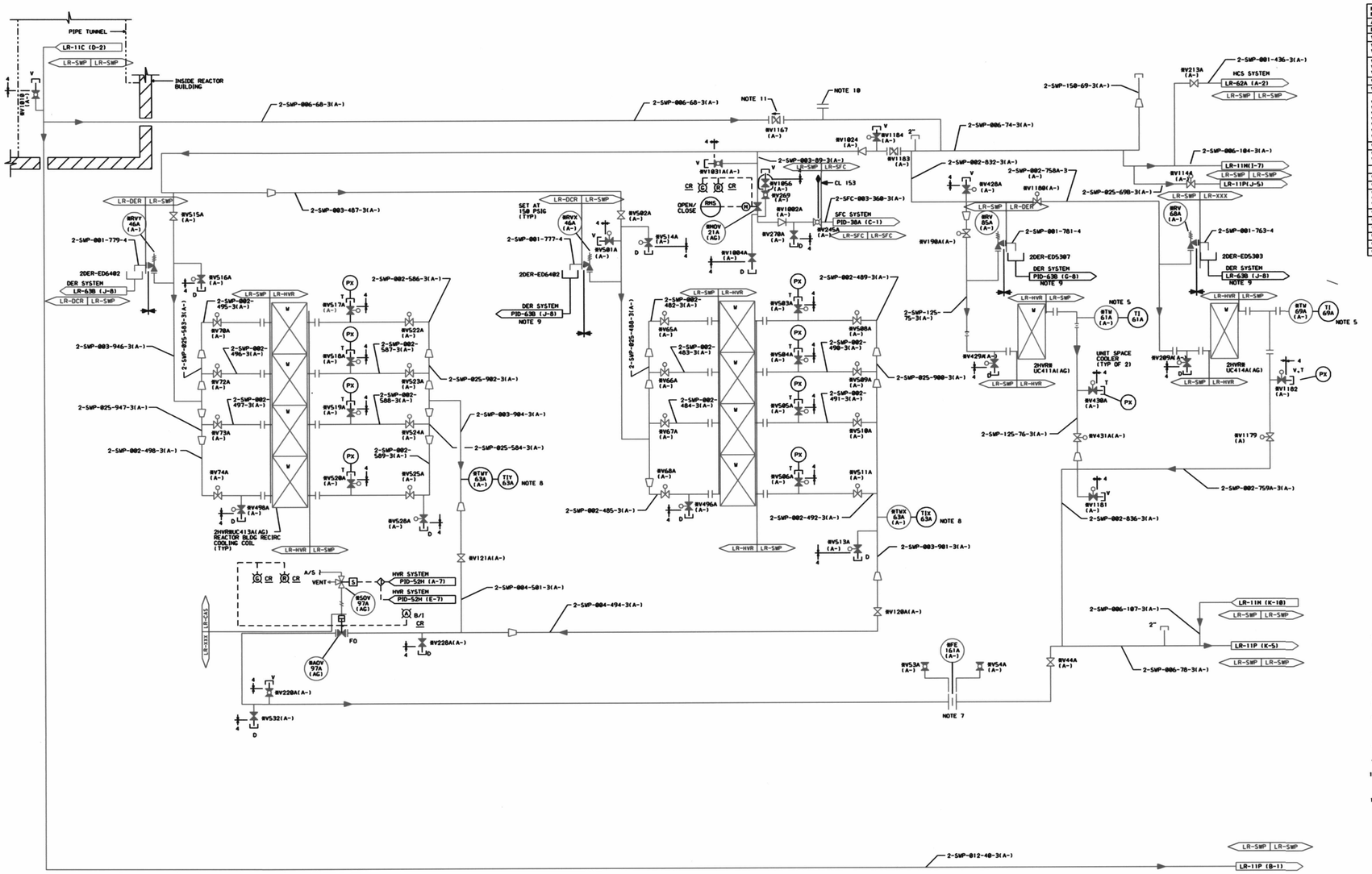

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
AOV97A	VPF015-C- 3RQ	6"	1
MOV21A	VGW015-P-3KQ	3"	1
V44A	VGW015-P-3K	6"	1
V53A,54A,220A V269,1031A	VOS060-D-3	3/4"	5
V65A,66A,67A V68A,78A,72A V73A,74A,1180	VBS015-CA-3	2"	9
V120A,121A	VGW015-P-3K	4"	2
V190A	VBS015-CA-3	1-1/4"	1
V209A V420A,429A,438A V496A,498A,501A V503A,504A,505A V506A,513A,516A V517A,518A,519A V520A,526A,1181 V1102	VBM015-CA-3	3/4"	20
V213A	VGS060-C-3	1"	1
V228A,278A,532 V1004A,1056	VGS060-C-3	3/4"	5
V431A	VBS015-CB-3	1-1/4"	1
V245A	VOW015-H-3K	3"	1
V502A,V515A	VGW015-P-3K	3"	2
V508A,509A,518A V511A,522A,523A V524A,525A,1179	VBS015-CB-3	2"	9
V514A,1184	VBS015-CA-3	3/4"	2
V1010	VBS060-D-3	1"	1
V1024	VCW015-E-3K	6"	1
V1002A	VCW015-E-3K	3"	1
V1183, 1167	VVF000-D-3R	6"	2
V1144	VBW015-CA-3	2 1/2"	1

NOTES.

1. ALL INSTRUMENT & EQUIPMENT NUMBERS TO BE PREFIXED WITH "2SMP-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE PART OF NUCLEAR SAFETY FEATURES SYSTEM.
2. ALL PIPING SHALL BE CLASS 151 UNLESS OTHERWISE NOTED.
3. ALL VENT,DRAIN,PRESSURE,SAMPLE AND FLOW CONNECTIONS ARE 3/4" UNLESS OTHERWISE NOTED.
4. ALL TEMPERATURE CONNECTIONS ARE 1-1/4".
5. FOR DETAILS OF PIPING DESIGN FOR THERMOWELL CONNECTIONS, SEE DESIGN DIVISION STANDARD SP-1051-12-2.
6. ALL RV'S ARE 3/4"X1" UNLESS OTHERWISE NOTED.
7. 2SMPMFE161A IS PROVIDED WITH A FULL BORE ORIFICE PLATE FOR USE DURING NORMAL OPERATION. FOR TESTING PURPOSES,A TEMPORARY ORIFICE PLATE WILL BE PROVIDED.
8. FOR DETAILS OF PIPINGS DESIGN FOR THERMOELL CONN'S, SEE DESIGN DIVISION STANDARD 12177-K-40A-1.
9. NO FLAG SHOWN ON CORRESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.
10. THIS CONNECTION WAS DESIGNED FOR USE DURING CHEMICAL CLEANING. ANY OTHER USE REQUIRING THE ATTACHMENT OF PIPING, FITTINGS OR EQUIPMENT SHALL BE EVALUATED BY ENGINEERING PRIOR TO USE.
11. WHEN AN ARROW APPEARS ADJACENT TO A VALVE ⊥—⋈—⊥ THE VALVE SHALL BE INSTALLED WITH THE BRIDGEWALL MARKING IN THE SAME DIRECTION AS THE ARROW REGARDLESS OF THE PIPING FLOW DIRECTION. WHEN NO ARROW APPEARS, THE VALVE SHALL BE INSTALLED WITH THE BRIDGEWALL MARKING IN THE SAME DIRECTION AS THE PIPELINE FLOW.

LR NOTE:
PLEASE REFER TO DRAWING LR-000 SHEETS 2A THROUGH 2F
FOR LR BOUNDARY DRAWING NOTES, SYMBOLS, AND ACRONYMS.

THIS DRAWING WAS PRODUCED ELECTRONICALLY. DO NOT MAKE ANY CHANGES MANUALLY.

SAFETY RELATED

(REF. SAR FIG. 9.2-1e & ISPT-11E)

Constellation Energy Group

NINE MILE POINT NUCLEAR STATION UNIT 2 - SCRIBA, N.Y.

PIPING & INSTRUMENTATION DIAGRAM
SERVICE WATER SYSTEM

SCALE | DRAWING NO LR-11E-0

MF	REV	DATE	DESCRIPTION OF REVISION	M.O.	DFT	DES	CHKD	ENG	ELEC	MECH	STR

...\LR-011_e.dgn 5/14/2004 10:00:30 AM