



- NOTES:**
1. "C-P" INDICATES LOCATION OF CATHODIC PROTECTION LEADS TO BE INSTALLED IN ACCORDANCE WITH PARAGRAPH 1.4.14.2, CONTRACT E-69-4.
 2. AT SAMPLING POINTS, CONNECTIONS, PROBES AND ROOT VALVES SHALL BE FURNISHED AND INSTALLED UNDER CONTRACT E-69-4. PROBES SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH CONTRACT PARA. 3.4.2 AND DWG. SP-07211, FIG. NUMBER AS NOTED. CONTINUATION OF SAMPLE PIPING BY E-70-3.
 3. CLASS IS SEISMIC REQUIREMENTS FOR THE "SW-2" AND "CW-2" SYSTEMS SHALL APPLY TO THAT PORTION OF THE SYSTEM IDENTIFIED AS CLASS IS SEISMIC HEREON. ALL SW-2 PIPING DOWNSTREAM OF 24"-1490 IS CLASS IS (REF. E-10).
 4. UNLESS OTHERWISE INDICATED ALL PRESSURE AND/OR FLOW INSTRUMENT ROOT LINES SHALL BE 3/4" ROOT VALVES SHALL BE 3/4"-V2325 EXCEPT AS NOTED. LINE UP TO AND INCLUDING ROOT VALVE SHALL BE FURNISHED AND INSTALLED UNDER CONTRACT E-69-4.
 5. ALL TEMPERATURE, TEST AND PROTECTING WELL PENETRATIONS SHALL BE 1" NPT UNLESS OTHERWISE NOTED.
 6. 156" CW-1, 108" CW-2, 84" CW-2 TEMPERING LINE AND PORTIONS OF THE CW-1, CW-2 AND SW-2 SYSTEMS ARE NOT IN CONTRACT E-69-4. FOR INTERFACES SEE COMPOSITE PIPING DWGS.
 7. VENTS & DRAINS SHALL CONFORM (FULL LENGTH) TO THE SYSTEMS DESIGNATION FROM WHICH THEY ORIGINATE.
 8. ALL VALVE NUMBERS IN PARENTHESES () ARE NUMBERS TO BE USED IN OPERATING PROCEDURES. THESE NUMBERS ARE ASSIGNED BY NPPD AND WILL NOT BE SHOWN ON PIPING DRAWINGS.
 9. ALL VALVES DOWNSTREAM OF SW-1186W ARE IN THE CIRCULATING WATER SYSTEM (CW) UNLESS DESIGNATED OTHERWISE. ALL VALVES UPSTREAM AND INCLUDING SW-1186W ARE IN THE SERVICE WATER SYSTEM (SW) UNLESS DESIGNATED OTHERWISE.
 10. WHERE LINES ARE INTERCONNECTED AND CONTINUED ON OTHER DRAWINGS, ZONE NUMBERS ARE APPROX. ONLY.



AS BUILT
454003586
CADD DRAWING
DO NOT REVISE MANUALLY

REVISIONS TO THIS DRAWING REQUIRES A REVISION TO THE CORRESPONDING ISOKEY.

FOR PREVIOUS REVISIONS, SEE SUPERSEDED CARDS.

| NO. | REVISIONS | BY | DATE |
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FLOW DIAGRAM
CIRCULATING, SCREEN WASH & SERVICE
WATER SYSTEMS
COOPER NUCLEAR STATION

BURNS & ROE
2006 SH.1
N48