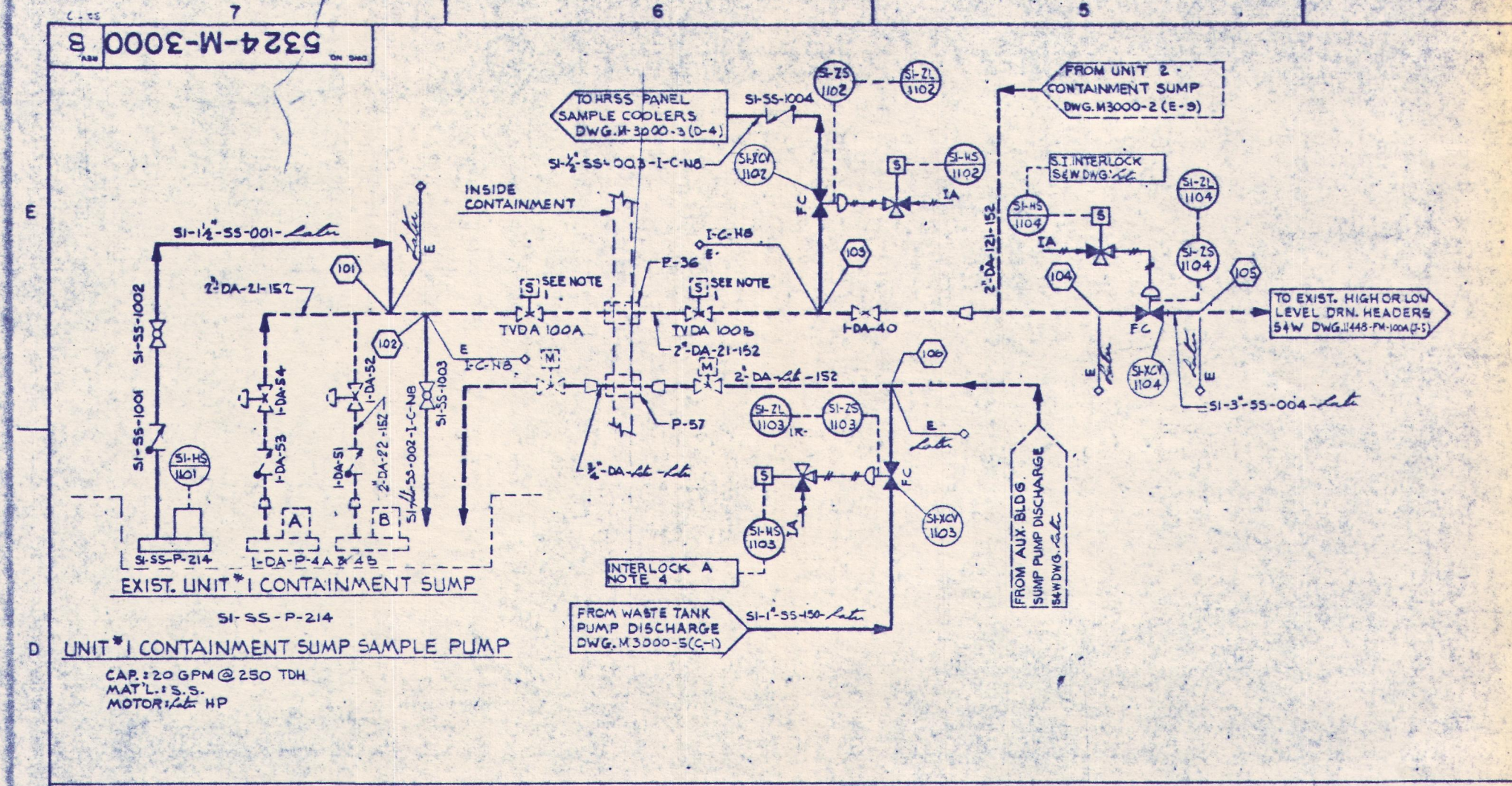
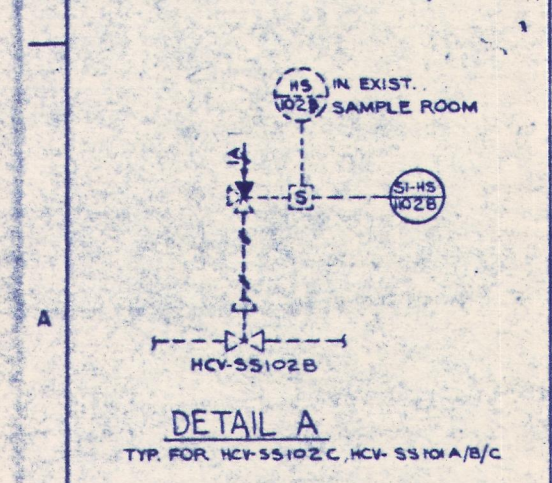
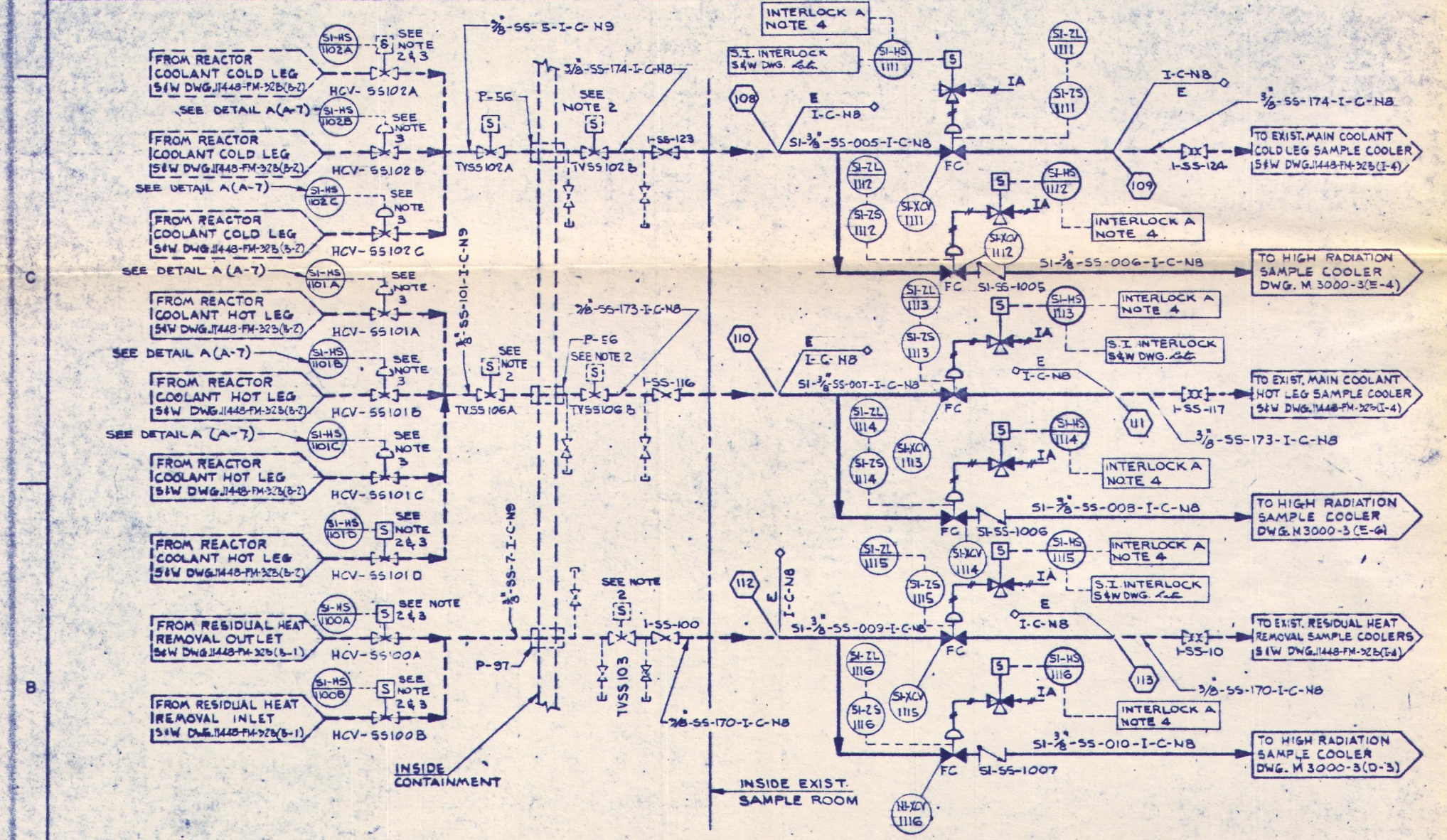




UNIT 1 CONTAINMENT SUMP SAMPLE PUMP
CAP: 20 GPM @ 250 TDH
MOT: 1/2 HP
MOTOR: 1/2 HP

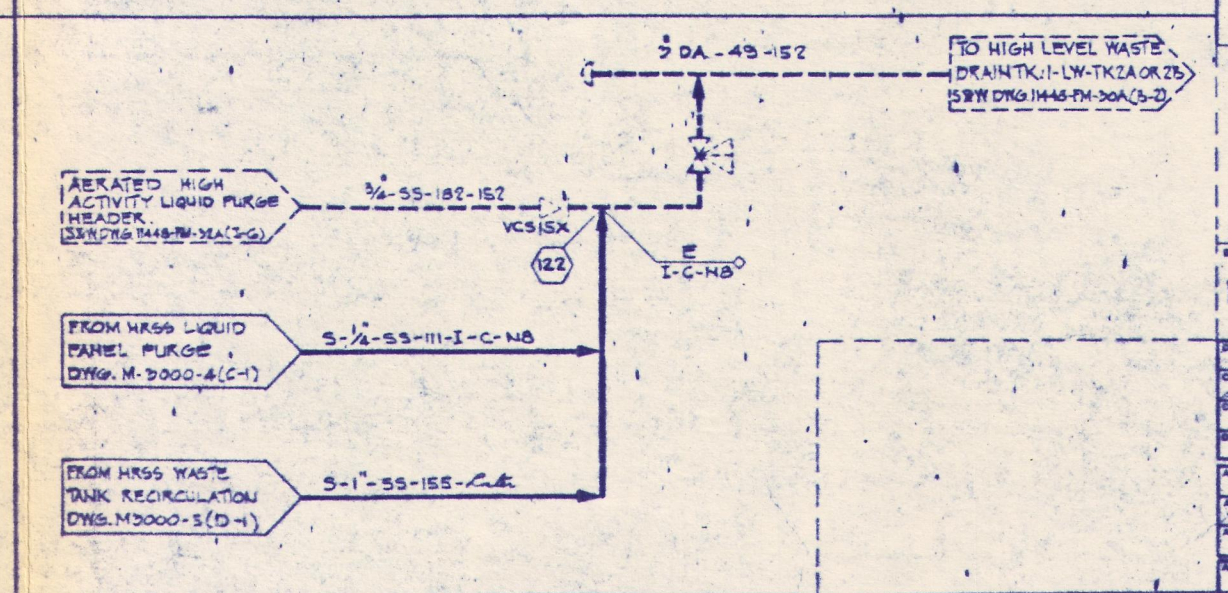
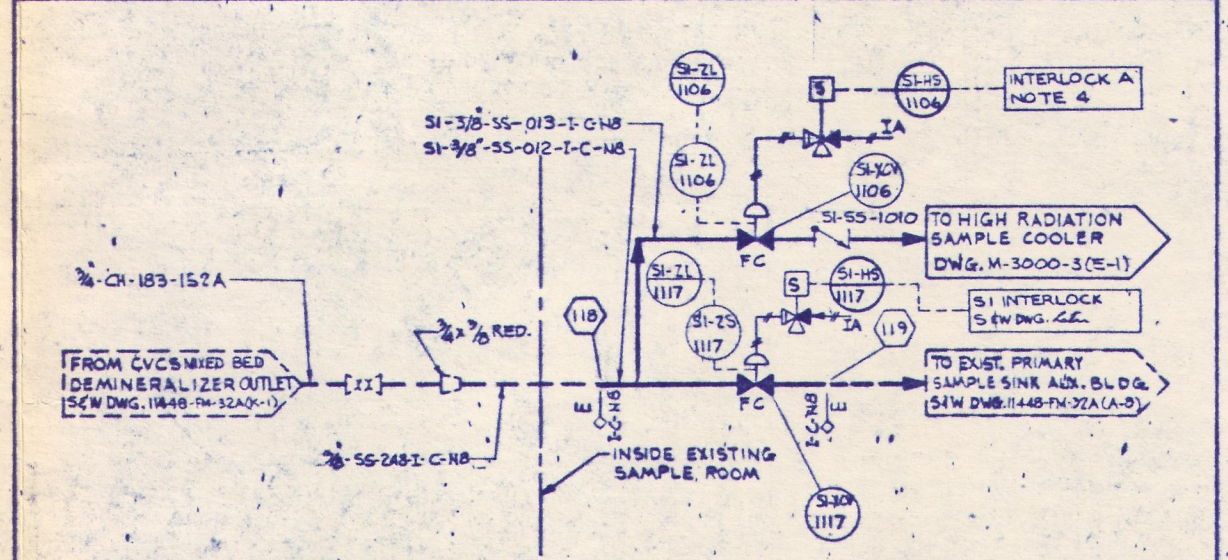
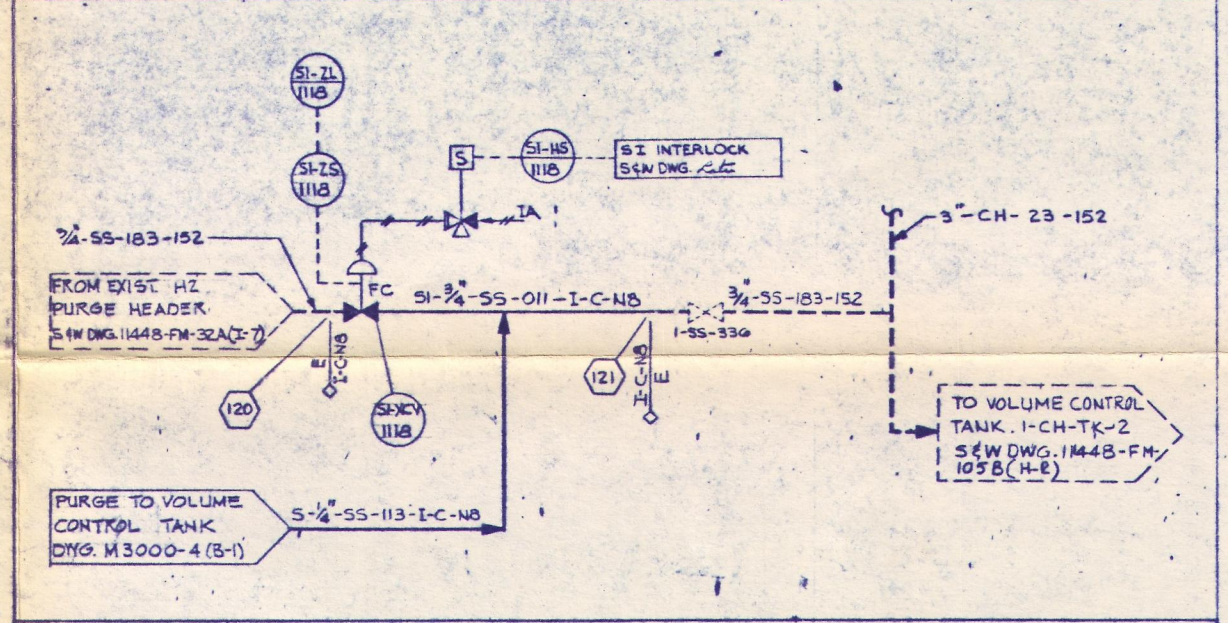


DETAIL A
TYP. FOR: HCV-SS1012C, HCV-SS1014B/C

EQUIPMENT LIST		
EQUIP. NO.	DESCRIPTION	SPEC/STD.
S-SS-1001	SAMPLE COOLER	M-201
S-SS-R-100	HRSS-SAMPLE COOLER RACK	M-201
S-SS-R-101	HRSS-LIQUID SAMPLE PANEL	M-201
S-SS-102	QUICK DISCONNECT COUPLING	M-201
S-SS-P-208	GAS STRIPPING EVACUATING COMPRESSOR	P-208
S-SS-103	PRESSURIZED SAMPLE BOMB	M-201
S-SS-104	DEGAS VESSEL	M-201
S-SS-105	DILUTER CONTAINER	M-201
S-SS-106	BOTTLE SAMPLE SHIELD CASK & CART	M-201
S-SS-107	ARGON GAS CYLINDER ASSEMBLY	P-215
S-SS-T-100	HRSS-WASTE TANK	P-207
S-SS-P-206A/B	HRSS-WASTE PUMP	P-206
S-SS-108	EDUCTOR	M-201
S-SS-T-103A/B	NITROGEN CYLINDER ASSEMBLY	P-215
S-SS-T-101	pH BUFFER SOLUTION TANK	P-203
S-SS-T-102	O ₂ SATURATED WATER TANK	P-203
S-SS-P-214	CONTAINMENT SUMP SAMPLING PUMP	P-214
S-SS-R-102	CHEMICAL ANALYSIS PANEL	P-203

GENERAL NOTES:	
1.	EXISTING VALVES ARE AIR OPERATED, AND ARE BEING CHANGED TO MOV'S BY OTHERS.
2.	EXISTING VALVES ARE AIR OPERATED AND ARE BEING CHANGED TO MOV'S BY OTHERS.
3.	3 VALVE HAS EXIST. SWITCH IN CURRENT SAMPLE ROOM.
4.	INTERLOCK 'A' PREVENTS UNIT 1 SAMPLES FROM BEING INADVERTENTLY DIVERTED TO UNIT 2 CONTAINMENT. SEE LOGIC DIAGRAM (SEE).
5.	INTERLOCK 'B' PREVENTS UNIT 2 SAMPLES FROM BEING DIVERTED TO UNIT 1 CONTAINMENT. SEE LOGIC DIAGRAM (SEE).

REV.	DESCRIPTION
A	ISSUED FOR CLIENT REVIEW & INTERNAL REVIEW
B	RELEASED FOR ENGINEERING



RELEASED FOR ENGINEERING

VIRGINIA ELECTRIC POWER COMPANY
HIGH RADIATION SAMPLING SYSTEM
SURREY UNIT 1

PIPING & INSTRUMENTATION DIAGRAM
LIQUID SAMPLING

NUS CORPORATION
5324-M-3000
SCALE: NONE
SHEET 1 OF 5