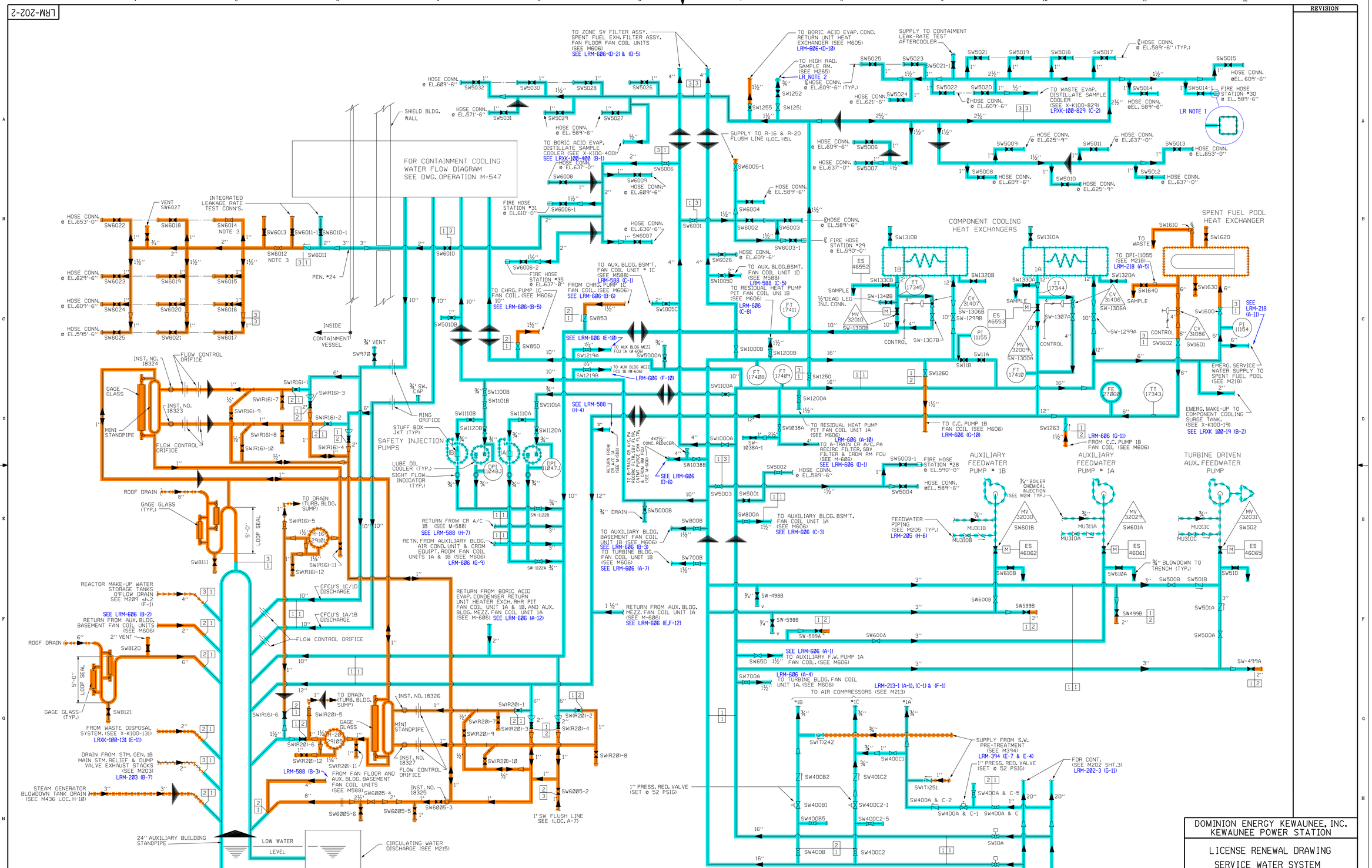
LRM-202-2
FOR CONTAINMENT COOLING WATER FLOW DIAGRAM SEE DWG. OPERATION M-547
SHIELD BLDG. WALL
INSIDE CONTAINMENT VESSEL
COMPONENT COOLING HEAT EXCHANGERS
SPENT FUEL POOL HEAT EXCHANGER
SAFETY INJECTION PUMPS
AUXILIARY FEEDWATER PUMP # 1B
AUXILIARY FEEDWATER PUMP # 1A
TURBINE DRIVEN AUX. FEEDWATER PUMP
TO ZONE SV FILTER ASSY. SPENT FUEL EXH. FILTER ASSY. FAN FLOOR FAN COIL UNITS (SEE M606) SEE LRM-606-(D-2) & (D-5)
TO BORIC ACID EVAP. COND. RETURN UNIT HEAT EXCHANGER (SEE M605) LRM-606-(D-10)
SUPPLY TO CONTAIMENT LEAK-RATE TEST AFTERCOOLER
TO HIGH RAD. SAMPLE RM. (SEE M265) LR NOTE 2
TO WASTE EVAP. DISTILLATE SAMPLE COOLER (SEE X-K100-829) LRXK-100-829 (C-2)
SUPPLY TO R-16 & R-20 FLUSH LINE (LOC. H5).
TO BORIC ACID EVAP. DISTILLATE SAMPLE COOLER (SEE X-K100-400) SEE LRXK-100-400 (B-1)
FIRE HOSE STATION #30 @ EL. 589'-6"
LR NOTE 1
INTEGRATED LEAKAGE RATE TEST CONN'S.
VENT SW6027
PEN. #24
FIRE HOSE STATION #31 @ EL. 610'-0"
FIRE HOSE STATION #35 @ EL. 637'-0"
TO CHRG. PUMP 1C FAN COIL (SEE M606) 10" SEE LRM-606-(B-5)
TO AUX. BLDG. BSM'T. FAN COIL UNIT # 1C (SEE M588) LRM-588 (C-1)
FROM CHRG. PUMP 1C FAN COIL. (SEE M606) SEE LRM-606-(B-6)
TO AUX. BLDG.BSMT. FAN COIL UNIT 1D (SEE M588) LRM-588 (C-5)
TO RESIDUAL HEAT PUMP PIT FAN COIL UNI 1B (SEE M606) LRM-606 (C-8)
FIRE HOSE STATION #29 @ EL.590'-0"
SEE LRM-606 (E-10)
TO AUX BLDG MEZZ FCU 1A (M-606)
TO AUX BLDG MEZZ FCU 1B (M-606) LRM-606 (F-10)
SEE LRM-588 (H-4)
TO C.C. PUMP 1B FAN COIL (SEE M606) LRM-606 (G-10)
FROM C.C. PUMP 1B FAN COIL (SEE M606) LRM-606 (G-11)
EMERG. SERVICE WATER SUPPLY TO SPENT FUEL POOL (SEE M218)
EMERG. MAKE-UP TO COMPONENT COOLING SURGE TANK. (SEE X-K100-19) SEE LRXK 100-19 (B-2)
TO DPI-11055 (SEE M218) LRM-218 (A-5)
SEE LRM-218 (A-11)
TO WASTE
FIRE HOSE STATION #28 @ EL.590'-0"
TO A-TRAIN CR A/C, PA RECIRC FILTER, SBV FILTER & CRDM RM FCU (SEE M-606) SEE LRM-606 (D-1)
SEE LRM-606 (D-6)
RETURN FROM CR A/C 1B (SEE M-588) SEE LRM-588 (H-7)
RETN. FROM AUXILIARY BLDG. AIR COND. UNIT & CRDM EQUIPT. ROOM FAN COIL UNITS 1A & 1B (SEE M606) LRM-606 (G-9)
TO AUXILIARY BLDG. BASEMENT FAN COIL UNIT 1B (SEE M606) SEE LRM-606 (B-3)
TO TURBINE BLDG. FAN COIL UNIT 1B (SEE M606) SEE LRM-606 (A-7)
TO AUXILIARY BLDG. BSM'T. FAN COIL UNIT 1A (SEE M606) SEE LRM-606 (C-3)
FEEDWATER PIPING (SEE M205 TYP.) LRM-205 (H-6)
¾" BOILER CHEMICAL INJECTION (SEE M214 TYP.)
¾" BLOWDOWN TO TRENCH (TYP.)
RETURN FROM BORIC ACID EVAP. CONDENSER RETURN UNIT HEATER EXCH. AAR PIT FAN COIL UNIT 1A & 1B, AND AUX. BLDG. MEZZ. FAN COIL UNIT 1A (SEE M-606) SEE LRM-606 (A-12)
RETURN FROM AUX. BLDG. MEZZ. FAN COIL UNIT 1A (SEE M-606) SEE LRM-606 (E,F-12)
SEE LRM-606 (A-1) TO AUXILIARY F.W. PUMP 1A FAN COIL. (SEE M606)
LRM-606 (A-4) TO TURBINE BLDG. FAN COIL UNIT 1A. (SEE M606)
LRM-213-1 (A-1), (C-1) & (F-1) TO AIR COMPRESSORS (SEE M213)
SUPPLY FROM S.W. PRE-TREATMENT (SEE M394) LRM-394 (E-7 & E-4)
1" PRESS. RED. VALVE (SET @ 52 PSIG)
FOR CONT. (SEE M202 SHT.3) LRM-202-3 (G-11)
FOR CONT. (SEE M202 SHT.1)
REACTOR MAKE-UP WATER STORAGE TANKS O'FLOW DRAIN SEE M203 sh.2 (F-1)
SEE LRM-606 (B-2)
RETURN FROM AUX. BLDG. BASEMENT FAN COIL UNITS (SEE M606)
FROM WASTE DISPOSAL SYSTEM. (SEE X-K100-131) LRXK-100-131 (E-11)
DRAIN FROM STM. GEN. 1B MAIN STM. RELIEF & DUMP VALVE EXHAUST STACKS (SEE M203) LRM-203 (B-7)
STEAM GENERATOR BLOWDOWN TANK DRAIN (SEE M436 LOC. H-10)
LRM-588 (B-3)
FROM FAN FLOOR AND AUX. BLDG. BASEMENT FAN COIL UNITS (SEE M588)
1" SW. FLUSH LINE SEE (LOC. A-7)
24" AUXILIARY BUILDING STANDPIPE
LOW WATER LEVEL
CIRCULATING WATER DISCHARGE (SEE M215)
TO DRAIN (TURB. BLDG. SUMP)
ROOF DRAIN
GAGE GLASS (TYP.)
MINI STANDPIPE
FLOW CONTROL ORIFICE
INST. NO. 18324
INST. NO. 18323
INST. NO. 18326
INST. NO. 18327
INST. NO. 18325
LOOP SEAL
5'-0"
LUBE OIL COOLER (TYP.)
SIGHT FLOW INDICATOR (TYP.)
STUFF BOX JKT (TYP)
RING ORIFICE
CFCU'S 1C/1D DISCHARGE
CFCU'S 1A/1B DISCHARGE
LR NOTES:
1. TYPICAL FOR FIRE HOSE STATIONS LOCATED AT COORDINATES (B-8), (C-5), (B-5) AND (D-9).
2. THE PIPING IS CAPPED IN THE HIGH RAD SAMPLE ROOM.
LICENSE RENEWAL DRAWING LEGEND
02/SW SERVICE WATER
05B/AFW AUXILIARY FEEDWATER
06/MS MAIN STEAM AND STEAM DUMP
07/BT STEAM GENERATOR BLOWDOWN TREATMENT
08/FP FIRE PROTECTION
21/SFP SPENT FUEL POOL COOLING
27A/MUP MAKE-UP AND DEMINERALIZED WATER
27B/MUP SERVICE WATER PRETREATMENT
30/MDS MISCELLANEOUS DRAINS AND SUMPS
31/CC COMPONENT COOLING
32A/WD-(L) LIQUID WASTE PROCESSING AND DISCHARGE
33/SI SAFETY INJECTION
45/RM RADIATION MONITORING
IN SCOPE FOR LR PER 10CFR 54.4 (a)(2)
IN SCOPE FOR LR PER 10CFR 54.4 (a)(1) 10CFR 54.4 (a)(3)
REVISION
DOMINION ENERGY KEWAUNEE, INC.
KEWAUNEE POWER STATION
LICENSE RENEWAL DRAWING
SERVICE WATER SYSTEM
CADD
APPROVED
REVIEWED
DRAWN JSV 02/08/06
SCALE
DWG. No. LRM-202-2
REV. 0
REFERENCED PER MASTER DRAWING OPERM-202-2 REV CS
REV 'CS' PER LAST UPDATE