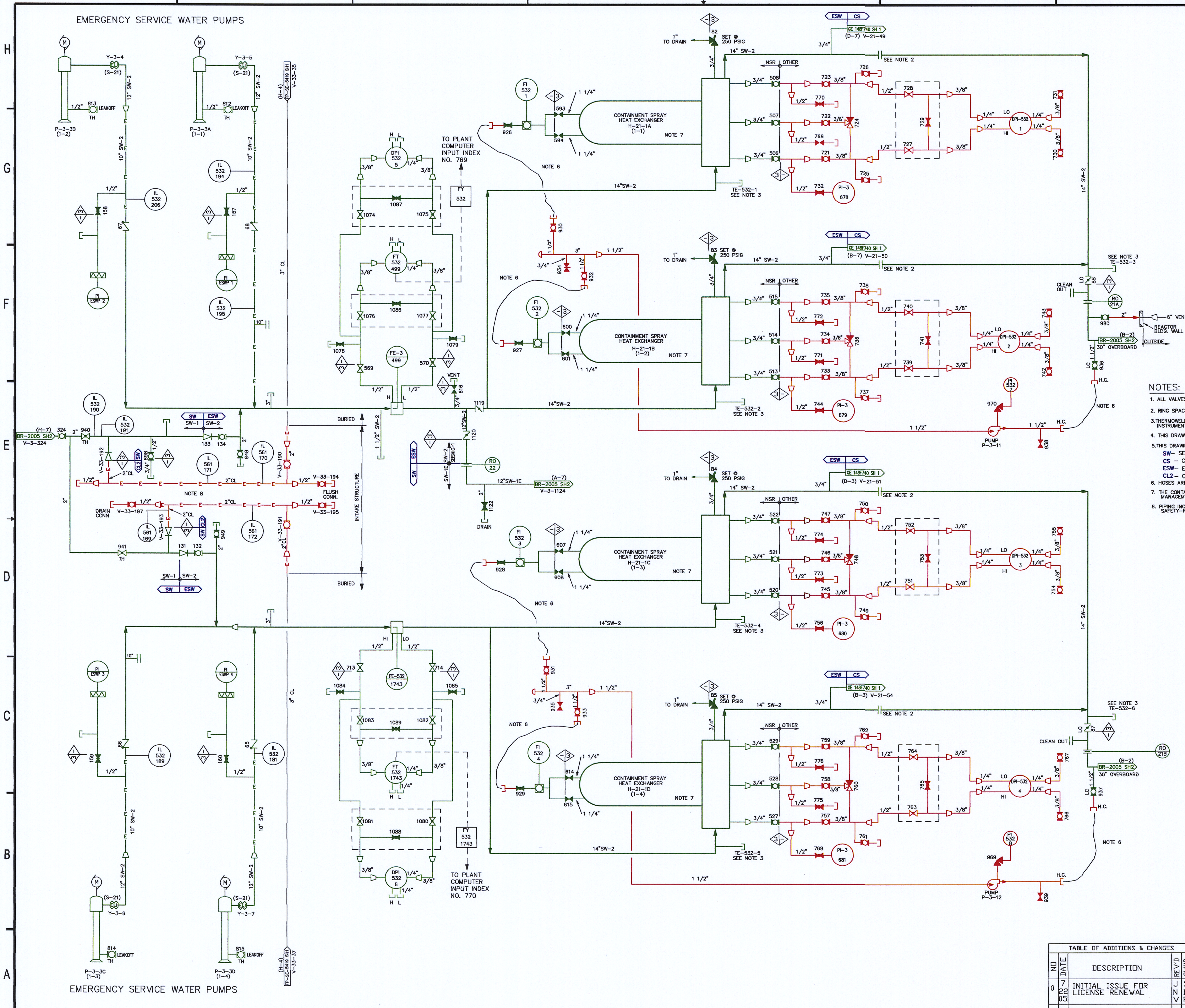
EMERGENCY SERVICE WATER PUMPS
M
Y-3-4
(S-21)
12" SW-2
1/2"
813
LEAKOFF
TH
P-3-3B
(1-2)
10" SW-2
IL 532 206
158
67
PI ESWP 2
Y-3-5
812
P-3-3A
(1-1)
IL 532 194
157
68
PI ESWP 1
IL 532 195
10"
(H-4) FP-SE-5419 SH1 V-33-35
3" CL
3"
IL 532 190
IL 532 191
(H-7) BR-2005 SH2 V-3-324
324
2"
940
SW ESW
SW-1 SW-2
133
134
948
V-33-192
CL2 SW
698
3/4"
IL 561 171
IL 561 170
V-33-190
2"CL
NOTE 8
V-33-194
FLUSH CONN.
DRAIN CONN
V-33-197
V-33-193
IL 561 169
SW CL2
949
IL 561 172
V-33-191
V-33-195
941
131
132
BURIED
INTAKE STRUCTURE
1 1/2" SW-2
H L
DPI 532 5
3/8"
1/4"
1087
1074
1075
FT 532 499
1086
1076
1077
1078
1079
FE-3 499
569
570
VENT
616
TO PLANT COMPUTER INPUT INDEX NO. 769
FY 532
1119
12"SW-2
1120
ESW SW
SW-1E
SW-2 SEISMIC-1
RO 22
12"SW-1E
(A-7) BR-2005 SH2 V-3-1124
1122
DRAIN
FI 532 1
926
593
594
1 1/4"
CONTAINMENT SPRAY HEAT EXCHANGER H-21-1A (1-1)
NOTE 7
NOTE 6
14"SW-2
930
1 1/2"
3"
934
932
3/4"
FI 532 2
927
600
601
CONTAINMENT SPRAY HEAT EXCHANGER H-21-1B (1-2)
1" TO DRAIN
82
SET @ 250 PSIG
14" SW-2
ESW CS
GE 148F740 SH 1
(D-7) V-21-49
SEE NOTE 2
NSR OTHER
508
507
506
723
722
721
770
769
732
724
726
725
728
727
729
DPI-532 1
LO
HI
731
730
PI-3 678
TE-532-1 SEE NOTE 3
83
(B-7) V-21-50
515
514
513
735
734
733
772
771
744
736
738
737
740
739
741
DPI-532 2
743
742
PI-3 679
TE-532-2 SEE NOTE 3
14" SW-2
SEE NOTE 3 TE-532-3
CLEAN OUT
LO
88
RO 21A
980
6" VENT
REACTOR BLDG. WALL
(B-2) BR-2005 SH2 30" OVERBOARD
OUTSIDE
LC
936
H.C.
PI 532 7
970
PUMP P-3-11
938
FI 532 3
928
607
608
CONTAINMENT SPRAY HEAT EXCHANGER H-21-1C (1-3)
84
(D-3) V-21-51
522
521
520
747
746
745
774
773
756
748
750
749
752
751
753
DPI-532 3
755
754
PI-3 680
TE-532-4 SEE NOTE 3
SW-1 SW-2
SW ESW
10"
PI ESWP 3
159
66
IL 532 189
P-3-3C (1-3)
Y-3-6
814
PI ESWP 4
160
65
IL 532 181
P-3-3D (1-4)
Y-3-7
815
(H-4) FP-SE-5419 SH1 V-33-37
HI
LO
713
714
FE-532 1743
1084
1085
1083
1089
1082
FT 532 1743
1081
1088
1080
DPI 532 6
FY 532 1743
TO PLANT COMPUTER INPUT INDEX NO. 770
931
935
933
FI 532 4
929
614
615
CONTAINMENT SPRAY HEAT EXCHANGER H-21-1D (1-4)
85
(B-3) V-21-54
529
528
527
759
758
757
776
775
768
760
762
761
764
763
765
DPI-532 4
767
766
PI-3 681
TE-532-5 SEE NOTE 3
SEE NOTE 3 TE-532-6
87
RO 21B
937
PI 532 8
969
PUMP P-3-12
939
EMERGENCY SERVICE WATER PUMPS

NOTES:

1. ALL VALVES ON THIS SHEET ARE PREFIXED BY V-3 UNLESS OTHERWISE NOTED.
2. RING SPACER INSTALLED WITH TWO GASKETS, REPLACING RESTRICTIVE ORIFICE.
3. THERMOWELL IS NORMALLY EMPTY AND CAPPED. IT IS DESIGNED FOR TEMPERATURE INSTRUMENTS TO BE INSTALLED WHEN OBTAINING HX PERFORMANCE DATA.
4. THIS DRAWING IS BASED ON BR-2005 SHEET 4 REVISION 76.
5. THIS DRAWING INCLUDES THE FOLLOWING LICENSE RENEWAL SYSTEMS:
   - **SW**– SERVICE WATER
   - **CS** – CONTAINMENT SPRAY SYSTEM
   - **ESW**– EMERGENCY SERVICE WATER SYSTEM
   - **CL2** – CHLORINATION SYSTEM
6. HOSES ARE USED FOR TESTING AND ARE NOT NORMALLY CONNECTED.
7. THE CONTAINMENT SPRAY HEAT EXCHANGERS ARE EVALUATED FOR AGING MANAGEMENT REVIEW WITH THE EMERGENCY SERVICE WATER SYSTEM.
8. PIPING INCLUDED IN SCOPE FOR STRUCTURAL SUPPORT OF SAFETY-RELATED VALVES V-3-131 & V-3-133.

TABLE OF ADDITIONS & CHANGES

NO	DATE	DESCRIPTION	REV'D	CHK'D	APP'D
0	7 22 05	INITIAL ISSUE FOR LICENSE RENEWAL	JNV	SBR	KPM

MECHANICAL

LICENSE RENEWAL DRAWING
EMERGENCY SERVICE
WATER SYSTEM
FLOW DIAGRAM

OYSTER CREEK
AmerGen

SHEET 4 OF 6 LR-BR-2005 0

DWG.NO. LR-BR-2005 SH. 4 OF 6

D14