



NOTES:

1. FOR GENERAL NOTES SEE DRAWING M218 SH 1.
2. FW = PUBLIC WATER MAIN - SUPPLIES PUBLIC FIRE HYDRANTS & DOMESTIC WATER. SEE FC-71 FOR MORE INFORMATION.
3. CONSTRUCTION FIRE PUMP REMOVED AND SUBSTITUTED WITH NEW DIESEL-DRIVEN PUMP.
4. 6" PIPE & VALVE AND 3" PIPE & VALVE ABANDONED. (SEE DRAWING FC-71).
5. ALL PUBLIC WATER MAIN AND DOMESTIC WATER (PW) PIPING IS NON-FP-Q.
6. THIS NOTE IS TO EXPLAIN THE BECO QUALITY ASSURANCE LIMITS FOR FIRE PROTECTION. THE FOLLOWING SYMBOL IDENTIFIES THE QA BOUNDARY FOR FIRE PROTECTION.
7. THIS VALVE IS FIELD SET FOR BALANCE THEN LOCKED.
8. DRAIN PLUGS ON PUMP CASING SUCTION AND DISCHARGE HAVE BEEN REMOVED.
9. CHECK VALVE BONNET AND DISK HAVE BEEN REMOVED. A PLUMBERS PLUG HAS BEEN INSTALLED ON UPSTREAM SIDE OF CHECK VALVE.
10. VALVE 34-HO-311 CONTROLS POTABLE WATER IN THIS BUILDING. THERE IS NO DRAWING FOR THE DOWNSTREAM PIPING.
11. TABLE 1 IS A LIST OF STATE REQUIRED BACKFLOW PREVENTERS AT PMPs. THIS LIST INCLUDES DEVICES NOT SHOWN ON P & ID'S, BUT WHICH ARE TESTED AND MAINTAINED BY PMPs MAINTENANCE IN THE WASTE TREATMENT FACILITY AND THE SUPPORT BUILDING.

SYSTEM INTENDED FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR

FIRE PROTECTION - WATER SYSTEM AMR-17

DOMESTIC WATER BACKFLOW PREVENTERS PMPs (PER 310 CMR 22.22)									
DEVICE ID	LOCATION	SIZE	MAKE	MODEL	SERIAL NO.	PMPs ID	DRAWING	NOTES	
23908501	DIESEL FIRE PUMP RM	10"	GRUNNELL	1350	N/A	10-CK-107 & 108	M218 SH 2	REQUIRES ONE TEST/YEAR	
23908502	DIESEL FIRE PUMP RM	6"	GRUNNELL	1350	N/A	6-CK-105 & 106	M218 SH 2	REQUIRES ONE TEST/YEAR	
23908503	REACTOR AUX BAY	4"	HERSHEY	60	667	34-CK-87	M224 SH 1	NEAR SAMPLE SINK	
239160028	WASTE TREATMENT BLDG	1"	WATTS	909	280564	34-CK-68	AB00-13	POTABLE WATER	
239160030	WASTE TREATMENT BLDG	4"	WATTS	709	167321	34-CK-69	AB00-13	NON-POTABLE WATER	
239160033	BLDG 3 - CAS	1.5"	WATTS	909	225049	34-CK-71	M218 SH 3	REQUIRES 1 TEST/YEAR	
239160227	RETUNE BLDG	1"	WATTS	909	61021-1	34-CK-72	M218 SH 3	IN CLOSET WITH FIRE PROT VALVES	
239160226	ENCLOSURE BY 1 & S	6"	FEBCO	860		34-CK-73	M218 SH 3	SOUTH BETWEEN 6-PW-130 & 132	
239160225	O & M BLDG WHSE	3/4"	WATTS	909	306134	34-CK-74	M218 SH 3	NORTH BETWEEN 6-PW-129 & 131	
239160228	SUPPORT BLDG 1st FLR	6"	WATTS	709	246381	34-CK-75	M218 SH 3	ABOVE TELE EQUIP. ROOM WEST	
239160224	SUPPORT BLDG 2nd FLR	1"	WATTS	009	40195	34-CK-77	LATER	REQUIRES 1 TEST/YEAR	

P & ID FIRE PROTECTION SYSTEM									
NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP	DESIGNED	DRAWN	C. T. SHORTE
0	7-8-05								
1	8-1-05	REVISED PER DCM 00-09505	CTS	AEJ	DLJ	SCALE	DESIGNED	DRAWN	C. T. SHORTE
2	8-1-05	REVISED PER DCM 00-09412	AEJ	DLJ					
3	8-1-05	REVISED PER DCM 00-09390	AEJ	DLJ					
4	8-1-05	REVISED PER DCM 00-09360	TEB	AEJ	DLJ				
5	8-1-05	REVISED FOR ER 0400241 PER DCM 15843	TEB	AEJ	DLJ				
6	8-1-05	REVISED PER DCM 03-15382	TEB	AEJ	DLJ				
7	8-1-05	REVISED PER DCM 02-13328	CTS	AEJ	DLJ				
8	8-1-05	REVISED FOR FPM 01-01-102 PER DCM 13098	TEB	AEJ	DLJ				
9	8-1-05	REVISED FOR SEE 1007 PER DCM 12213	CTS	AEJ	DLJ				
10	8-1-05	REVISED FOR FPM 00-01-127, 127C, & 127D PER DCM 11997	TEB	AEJ	DLJ				
11	8-1-05	REVISED FOR PR 01-4588 PER DCM 11659	CTS	AEJ	DLJ				
12	8-1-05		BY	ENG	CHK	APP			
TITLE OF REFERENCE DRAWINGS									
DWG NUMBER									
NO DATE									
REVISIONS									
41100-4200 FSAR FIGURE 10.8-1 (REV 16) N:\ACAD\MECH\B&B\M218SH3.DWG									

REVISIONS			
NO.	DATE	DESCRIPTION	BY
0	7-8-05		
1	8-1-05	REVISED PER DCM 00-09505	CTS
2	8-1-05	REVISED PER DCM 00-09412	AEJ
3	8-1-05	REVISED PER DCM 00-09390	AEJ
4	8-1-05	REVISED PER DCM 00-09360	TEB
5	8-1-05	REVISED FOR ER 0400241 PER DCM 15843	TEB
6	8-1-05	REVISED PER DCM 03-15382	TEB
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11	8-1-05	REVISED FOR PR 01-4588 PER DCM 11659	CTS
12	8-1-05		BY

LRA-M-218-SH-03-0

M218SH3-CAL-E45.DGN

M218SH3-CAL-E45.CAL