PUMP ROOM PLAN
¼" = 1'-0"

FIRE PUMP LEGEND

1- 8" DICL UNDERGROUND, BY OTHER, WITH A 125# STANDARD FLANGE
LEFT LEVEL, PLUMB, RODDED, FLUSHED AND TESTED. A SIGNED UNDERGROUND TEST CERTIFICATE MUST BE PROVIDED TO HFP PRIOR TO SYSTEM CONNECTION
2- 8" FLG X GRV SPOOL
3- (2)(8" GRV ELLS
4- 8" AMES C200 DOUBLE CHECK BACKFLOW DEVICE
5- 8" PUMP FEED W/ 8" BY-PASS LOOP TAP AND 1" JOCKEY SUCTION TAP
6- 8" OS&Y VALVE W/ TAMPER
7- 8X8X6 WELDED TEE, FLOW METER LOOP
8- 8X6 ECCENTRIC REDUCER
9- FIRE PUMP, PATTERSON MODEL 6X5X17 SSC, 1000 GPM @ 70 PSI
10- DIESEL PUMP DRIVER, CLARKE MODEL JU4H
11- PUMP/DRIVER BASE ON CONCRETE PAD, PAD TO BE POURED AFTER PUMP IS SET, BY OTHERS
12- 5X6 ECCENTRIC INCREASER
13- 6" WAFER CHECK VALVE
14- 6" WELDED TEE W/ ½" PUMP SENSING TAP
15- 6" BTFY VALVE W/ TAMPER
16- 6" DISCHARGE MANIFOLD
17- 6" BTFY VA W/ TAMPER (2)
18- 6" GRV CHECK VALVE
19- 6" BY-PASS LOOP
20- 6" BTFY VA, (2) NORMALLY CLOSED
21- 6" FLOW METER LOOP
22- 6" GROOVED FLOW METER
23- 6" COMBINER FEED MAIN, STANDPIPE/FIRE DEPT CONN/CONECTOR AND EXISTING BUILDING
24- 4" BTFY VA, W/ TAMPER
25- 4" RELIABLE MODEL EX DRY PIPE VALVE GXG
26- 4" BSMT GARAGE DRY MAIN
27- 2" GLOBE VALVE, MAIN DRAIN TO FLOOR DRAIN
28- 2" TO GRADE, TEST LINE
29- COMPRESSOR FOR 475 GALLON DRY SYSTEM CAP., JENNY F1S-BS, 1HP, 115/3/60
30- 1" JOCKEY SUCTION, SEE DETAIL
31- JOCKEY PUMP, MTH T41L, 1.5 HP, 208/3/60
32- 1" JOCKEY DISCHARGE, SEE DETAIL
33- ½" JOCKEY SENSING LINE, SEE DETAIL
34- JOCKEY CONTROLLER, EATON XTJP
35- ¾" PUMP SENSING LINE, SEE DETAIL
36- PUMP CONTROLLER, EATON FD120 W/ 115 VOLT BATTERY CHARGER
37- 120 GALLON DIESEL FUEL TANK
38- 2" FILL & VENT LINES TO 15' FLOOR ABOVE GRADE
39- 1/2" & 3/8" FUEL SUPPLY & RETURN LINES
40- HOSPITAL GRADE MUFFLER
41- 3X6 CONCENTRIC INCREASER W/ HIGH TEMP GASKETS
42- 6" THREDED DIESEL EXHAUST
43- CONNECT TO 6" EXHAUST RISER PROVIDED BY OTHERS
44- PIPE STANDS
45- SPARE HEAD BOX
46- ENGINE START BATTERIES
47- 6" BTFY VALVE, NC
48- 6" TEST HEADER MAIN
49- 4-WAY, 6" FLUSH TEST HEADER

SENSING LINE DETAIL
NTS

JOCKEY PIPING DETAIL
NTS

PUMP SECTION A
¼" = 1'-0"

PUMP SECTION B
¼" = 1'-0"

PUMP SECTION C
¼" = 1'-0"

PLANS PREPARED BY:
BRIAN BENOIT
NICET LEVEL 3 CERT. #075934

THESE PLANS ARE SUBJECT TO MINOR DEVIATIONS, DUE TO COORDINATION AND/OR FIELD CONDITIONS, NOT AFFECTING SCOPE OF WORK OR CODE COMPLIANCE.

SCALE 1/8"=1'-0"

N

Hampshire
FIRE PROTECTION
8 NORTH WENTWORTH AVENUE LONDONDERRY, NH 03053
PH:(603) 432-8221 FAX: (603) 434-3194
WEBSITE: HAMPSHIREFIRE.COM
MASS LIC# 003841 MAINE LIC# 238
VERMONT CERTIFIED

WATER SUPPLY DATA		
Static pressure	62	psi
Residual pressure	60	psi
Flow	992	gpm
Location	See Site Plan	
Elevation	+9	
Date	10-25-14	Time 10 AM
Information by	Portland Water Dept.	

SPRINKLERS

Total This Sheet 0 | Total This Job See Sheet 1

Symbol	Description

Drawing Title	Sheet 11, Fire Pump
Contract No.	4737CNH
Drawn By	Benoit
Scale	1/8" = 1'-0"
Date	2-12-16
Approval By	Portland Fire Dept. ME SFMO

Revisions:	Date:
1	
2	
3	
4	
5	
6	
7	

Project:
The Park Danforth Expansion & Renovation
777 Stevens Ave.
Portland, ME 04103

Contract with:
PC Construction
789 Stevens Ave.
Portland, ME 04103

FIRE PROTECTION ENGINEER STAMP

FP 11 OF 11