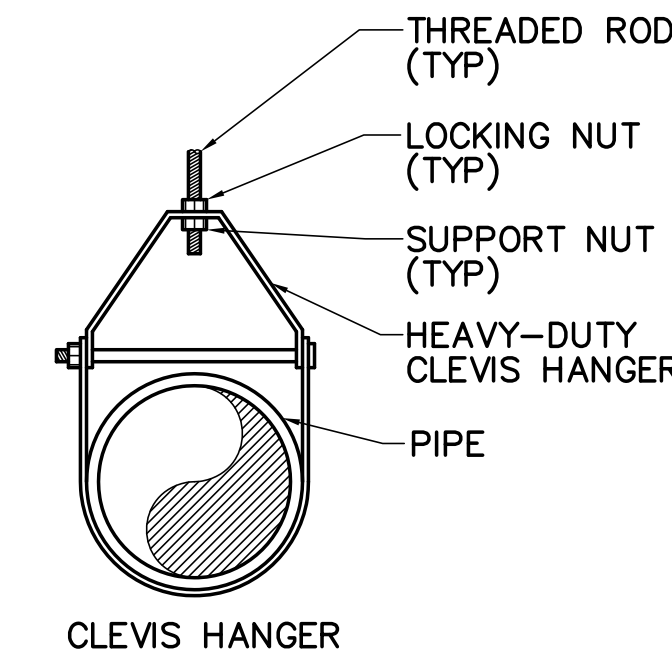


**FIRE SUPPRESSION ABBREVIATIONS**

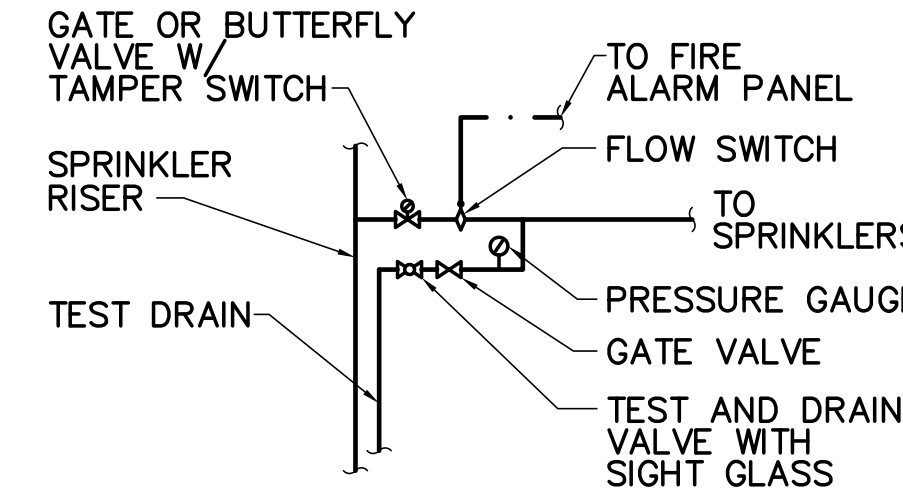
AC	AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
CONN	CONNECTION
CONC	CONCRETE
CW	COLD WATER
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DIA, Ø	DIAMETER
DN	DOWN
EF	EXHAUST FAN
ELEV	ELEVATOR, ELEVATION
F	DEGREES FARENHEIT
FA	FIRE ALARM
FD	FIRE DEPARTMENT, FLOOR DRAIN
FG	FIRE DEPARTMENT CONNECTION
FS	FLOW SWITCH
GPM	GALLONS PER MINUTE
GYP	GYPSPUM WALLBOARD
N/C	NOT IN CONTRACT
NC	NOISE CRITERIA
NTS	NOT TO SCALE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
OS&Y	OUTSIDE SCREW & YOKE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAGE
RM	ROOM
SAT	SUSPENDED ACOUSTICAL TILE
SP	SPRINKLER
SS	STAINLESS STEEL, SANITARY SEWER
TYP	TYPICAL
W/	WITH

**GENERAL NOTES**

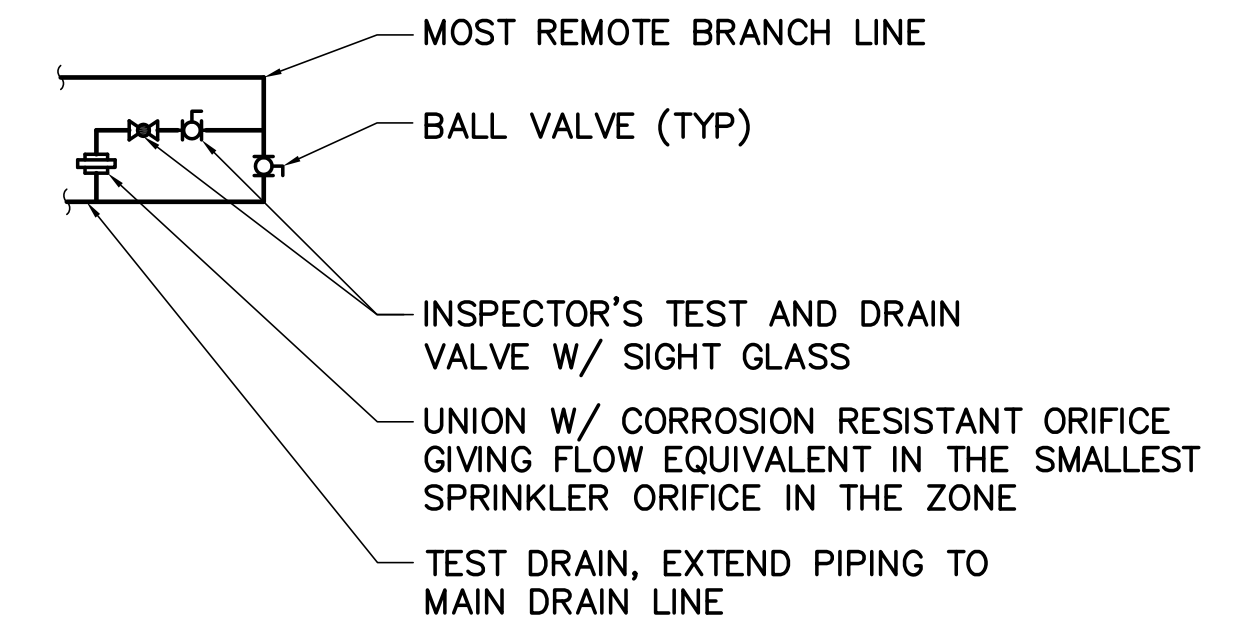
- PROVIDE A HYDRAULICALLY CALCULATED WET PIPE AND DRY PIPE SPRINKLER SYSTEMS IN ACCORDANCE WITH NFPA 13, CURRENT EDITION, AND THE MAINE STATE FIRE MARSHALL FOR LIGHT HAZARD OCCUPANCY UNLESS OTHERWISE INDICATED ON THE PLANS. PROVIDE UPDATED HYDRANT FLOW TEST BEFORE CALCULATING.
- FOR BIDDING PURPOSES, HYDRANT FLOW DATA FOLLOWS:  
 STATIC PRESSURE: 50 PSI  
 RESIDUAL PRESSURE: 48 PSI  
 FLOW: 1006 GPM  
 FLOWING HYDRANT LOCATION: STEVENS AVE ACROSS FROM COLLEGE DRIVE  
 FLOWING HYDRANT NUMBER: POD-HYD01290  
 GAUGE HYDRANT LOCATION: STEVENS AVE ACROSS FROM AMORY  
 GAUGE HYDRANT NUMBER: WED-HYD01292  
 DATE OF TEST: 3/16/2016
- CONTRACTOR SHALL PERFORM HYDRANT FLOW TEST AT SITE TO USE AS A BASIS FOR SPRINKLER SYSTEM DESIGN.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS, LIGHTING PLANS AND MECHANICAL PLANS FOR CEILING FEATURES, AND COORDINATE WITH THIS WORK IN CEILINGS TO PREVENT INTERFERENCES.
- COORDINATE ALARM DEVICES WITH FIRE ALARM CONTRACTOR.
- PROVIDE QUICK RESPONSE TYPE SPRINKLER HEADS WHERE PERMITTED BY NFPA 13.
- THE EXISTING SPRINKLER SYSTEM SERVING THE NATIONAL GUARD AREA SHALL REMAIN FULLY OPERATIONAL THROUGHOUT THE DURATION OF THE PROJECT. IF A UTILITY OUTAGE IS REQUIRED, PROVIDE WRITTEN NOTICE TO THE NATIONAL GUARD 10 DAYS IN ADVANCE OF OUTAGE.
- PIPING IS SHOWN DIAGRAMMATICALLY, EXACT LOCATION SHALL BE DETERMINED IN THE FIELD. COORDINATE IN FIELD WITH FIRE PROTECTION AND ALARM, MECHANICAL PIPING AND DUCTWORK, AND ELECTRICAL TRADES.
- PIPING SHALL BE INSTALLED CONCEALED ABOVE CEILINGS, IN WALLS AND IN CHASES, UNLESS OTHERWISE NOTED. PIPING SHALL BE INSTALLED PARALLEL TO BUILDING LINES.
- PIPING SHALL BE SUPPORTED FROM BUILDING STRUCTURE. PIPING SHALL BE SUPPORTED FROM TOP CHORD OF JOISTS. NO STRUCTURAL MEMBERS SHALL BE CUT.
- INSTALL WATER PIPE ON THE WARM SIDE OF BUILDING INSULATION IN EXTERIOR WALLS. REFER TO ARCHITECTURAL WALL SECTIONS.



**2 ATTACHMENT DETAIL**  
FX001/NOT TO SCALE



**3 VALVE TEST ASSEMBLY**  
FX001/NOT TO SCALE



**4 DRY-PIPE SYSTEM INSPECTOR'S TEST ASSEMBLY**  
FX001/NOT TO SCALE

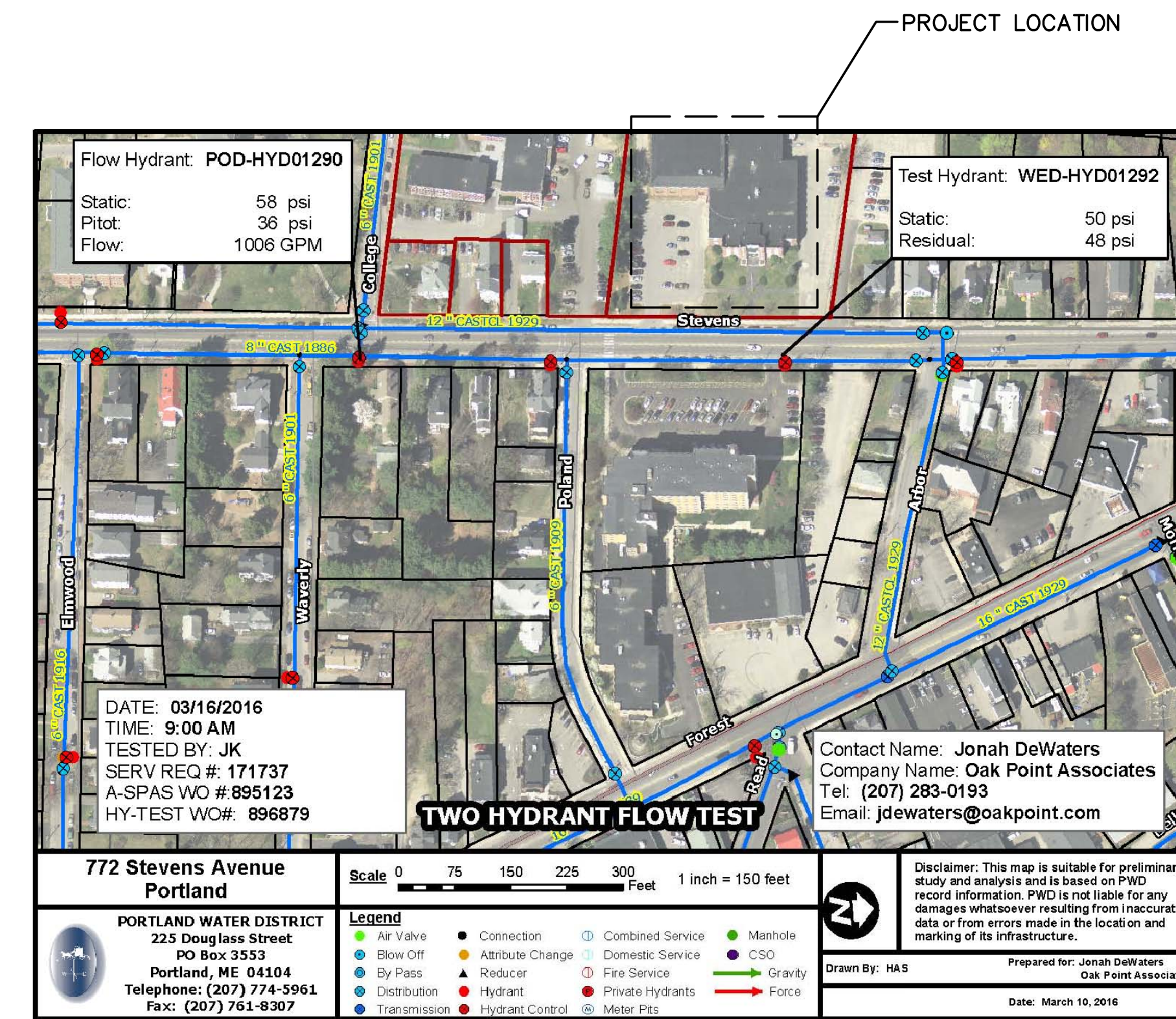
NOTE:  
1. PROVIDE TAG ON VALVE WITH SPRINKLER INSPECTOR'S TEST.

**FIRE SUPPRESSION SYMBOLS LEGEND**

	SYMBOL PER ABBREVIATION LIST		ELBOW DOWN
	EQUIPMENT SEQUENCE NUMBER		PIPE TEE UP OR UP AND DOWN
	KEY NOTE		ELBOW UP OR UP AND DOWN
	CONNECT TO EXISTING		PIPE TEE DOWN
	SPRINKLER FLOW SWITCH		GATE VALVE
	VALVE WITH TAMPER SWITCH		PRESSURE GAGE
	CONTROL VALVE		OS&Y VALVE
	RISER		CHECK VALVE
	FIRE DEPARTMENT CONNECTION		BUTTERFLY VALVE
	UPRIGHT SPRINKLER		BALL VALVE
	PENDANT SPRINKLER		ANGLE VALVE
	SPRINKLER, WITH GUARD		WET ALARM VALVE
	SIDEWALL SPRINKLER		DOUBLE CHECK BACKFLOW PREVENTOR
	FIRE ALARM BELL		TEST & DRAIN VALVE
	CAP		PIPE PITCH DOWN

**FIRE SUPPRESSION LINE TYPE LEGEND**

	REMOVE ITEMS
	ITEMS TO REMAIN
	PROVIDE ITEMS
	FIRE MAIN
	WET SPRINKLER
	DRY SPRINKLER
	FIRE ALARM WIRE
	DRAIN



**4 HYDRANT FLOW TEST SITE PLAN**  
FX001/NOT TO SCALE



DESIGNED BY: MSA  
DRAWN BY: RDA  
CHECKED BY: CAL  
PROJECT: 21502.10

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RENOVATIONS TO THE  
STEVENS AVENUE ARMORY

FIRE SUPPRESSION LEGENDS, ABBREVIATIONS AND DETAILS

SCALE: AS NOTED  
DATE: 05-24-16

DWG. **FX001**

SHEET: 103 of 169