Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

PERMIT ISSUED

Permit Number: 091334

DEC 1 2009

City of Portland

Please Read Application And Notes, If Any, Attached

This is to certify that CENTRO HERITAGE SPE 4 LLC /Eastern Fire Protection Co., Inc.

has permission to Install Fire Suppression System

AT 1056 BRIGHTON AVE **CBL** 263A A007001

provided that the person or persons, firm or corporation acting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.	Notification of inspection must be given and written permission procured before this building or part thereof is lathed or otherwise covered-in. 24 HOUR NOTICE IS REQUIRED.	A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. CAPT. R. Gautreau

Health Dept.

Appeal Board

Other

Department Name

Director - Building & Inspection Services

12/1/09

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No:	Issue Date:	CBL:
09-1334		263A A007001

Location of Construction:	Owner Name:	Owner Address:	Phone:
1056 BRIGHTON AVE	CENTRO HERITAGE SPE 4 LLC	131 DARTMOUTH ST	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Eastern Fire Protection Co., Inc.	170 Kittyhawk Ave., PO Box0139 Au	2077841507
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		Fire Suppression System	B-2

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
Commercial - "Cakes Extraordinaire" Use under #09-1077	Commercial - "Cakes Extraordinaire" - Install Fire Suppression System	$60.00	$3,450.00	3

FIRE DEPT: ☑ Approved ☐ Denied
* See Conditions
Signature: K6

INSPECTION:
Use Group: M Type: Sprinkler
IBC-2003
Signature: JMB 12/1/09

Proposed Project Description:
Install Fire Suppression System

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)
Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied
Signature: Date:

Permit Taken By:	Date Applied For:
Ldobson	11/20/2009

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland	☐ Variance	☑ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☐ MM ☐	☐ Denied	☐ Denied
Date: OK 11/23/09	Date:	Date:

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

PERMIT ISSUED

SIGNATURE OF APPLICANT | ADDRESS | DEC DATE | PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE | DATE | City of Portland | PHONE

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No:	Date Applied For:	CBL:
09-1334	11/20/2009	263A A007001

Location of Construction:	Owner Name:	Owner Address:	Phone:
1056 BRIGHTON AVE	CENTRO HERITAGE SPE 4 LLC	131 DARTMOUTH ST	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Eastern Fire Protection Co., Inc.	170 Kittyhawk Ave., PO Box0139 Au	(207) 784-1507
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Fire Suppression System	

Proposed Use:	Proposed Project Description:
Commercial - "Cakes Extraordinaire" - Install Fire Suppression System	Install Fire Suppression System

Dept: Zoning **Status:** Approved **Reviewer:** Marge Schmuckal **Approval Date:** 11/23/2009

Note: **Ok to Issue:** ☑

Dept: Building **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 12/01/2009

Note: **Ok to Issue:** ☑

1) Sprinkler systems to be designed and installed per IBC 2003 standards Sec. 903.3.1

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Capt Keith Gautreau **Approval Date:** 11/24/2009

Note: **Ok to Issue:** ☑

1) The Fire alarm and Sprinkler systems shall be reviewed by a licensed contractor[s] for code compliance. Compliance letters are required.
2) The sprinkler system shall be installed in accordance with NFPA 13.
3) Application requires State Fire Marshal approval.
4) Fire department connection type and location shall be approved in writing by fire prevention bureau.
5) System acceptance and commissioning must be co-ordinated with alarm and suppression system contractors and the Fire Department. Call 874-8703 to schedule.

PERMIT ISSUED

DEC 1 20

City of Portland

Fire Suppression System Permit

If you or the property owner owes real estate or property taxes or user charges on any property within the city, payment arrangements must be made before permits of any kind are accepted.

Installation address: Pine Tree Shopping CTR CBL: _____

Exact location: (within structure) Unit 203

Type of occupancy(s) (NFPA & ICC): Confectionary Products

Building owner: _____

Managing Supervisor: Steve Leeman License No: _____

Supervisor phone: 874-7253 E-mail: _____

Installing contractor: Eastern Fire Protection License No: 101

Contractor phone: 784-1507 E-mail: stpierred@teameastern.com

The suppression work to be done will be: New: ☐ Renovation: ☐ Addition to existing system: ☒

This is an amendment to an existing permit: Yes: ☐ NO ☒ Permit no: _____

NFPA Standard will this system is designed to: 13 Edition: 2007

*Non-NFPA systems are not approved for use within the City of Portland.

Download a new copy of this document from Inspection Division on-line at www.portlandmaine.gov for every submittal. Attach all design information and complete approved submittals as may be required by the State Fire Marshal's Office on 11X17 copies or electronic PDF's in addition to full sized plans.

Contractor shall verify location and type of all FDCs shall be approved in writing by the Fire Prevention Bureau.

COST OF WORK: 3,450.00

PERMIT FEE: $60.00

($10 PER $1,000 + $30 FOR THE FIRST $1,000)

Submit all information to the Building Inspections Department, 389 Congress Street, Room 315, Portland, Maine 04101.

Prior to acceptance of any fire protection system, a complete commissioning and acceptance test must be coordinated with all fire system contractors and the Fire Department, and proper documentation of such test(s) provided.

All installation(s) must comply with NFPA and the Fire Department Technical Standard(s).

State Permit not required.

Applicant signature: _____ Date: 11-19-09

To: Jon Rioux

I Hope this helps

Let Me know.

Thanks

Jeri Freeman

Cakes Extraordinaire

824-2253

289-4190

CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR ABOVEGROUND PIPING

PROCEDURE

Upon completion of work, inspection and tests shall be made by the contractor's representative and witnessed by an owner's representative. All defects shall be corrected and system left in service before contractor's personnel finally leave the job.

A certificate shall be filled out and signed by both representatives. Copies shall be prepared for approving authorities, owners and contractor. It is understood the owner's representative's signature in no way prejudices any claim against contractor for faulty material, poor workmanship, or failure to comply with approving authority's requirements or local ordinances.

PROPERTY NAME: Pine Tree Retail Center Unit 203 — DATE: 12-3-09

PROPERTY ADDRESS: Brighton Avenue, Portland Maine

PLANS

ACCEPTED BY APPROVING AUTHORITY('S) NAMES: Portland Code Enforcement

ADDRESS: 389 Congress St. Room 315, Portland, Maine 04101

INSTALLATION CONFORMS TO ACCEPTED PLANS — ☑ YES ☐ NO

EQUIPMENT USED IS APPROVED — ☑ YES ☐ NO

IF NO, EXPLAIN DEVIATIONS

INSTRUCTIONS

HAS PERSON IN CHARGE OF FIRE EQUIPMENT BEEN INSTRUCTED AS TO LOCATION OF CONTROL VALVES AND CARE AND MAINTENANCE OF THIS NEW EQUIPMENT — ☑ YES ☐ NO

IF NO, EXPLAIN

RECEIVED
FEB 24 2010
Dept. of Building Inspections
City of Portland Maine

HAVE COPIES OF APPROPRIATE INSTRUCTIONS AND CARE AND MAINTENANCE CHARTS AND NFPA 13A BEEN LEFT ON PREMISES — ☑ YES ☐ NO

IF NO, EXPLAIN

LOCATION OF SYSTEM

SUPPLIES BLDGS. Unit 203 Only

SPRINKLERS

MAKE	MODEL	YEAR OF MANUFACTURE	ORIFICE SIZE	QUANTITY	TEMPERATURE RATING
TYCO	TY-FRB	2009	1/2	9	155
TYCO	TY-FRB	2009	1/2	2	200
TYCO	TY-FRB	2009	1/2	2	286

PIPE AND FITTINGS

PIPE CONFORMS TO NFPA 13 STANDARD — ☑ YES ☐ NO

FITTINGS CONFORM TO NFPA 13 STANDARD — ☑ YES ☐ NO

IF NO, EXPLAIN

ALARM VALVE OR FLOW INDICATOR

ALARM DEVICE			MAXIMUM TIME TO OPERATE THROUGH TEST PIPE	
TYPE	MAKE	MODEL	MIN.	SEC.
FlowaniTch	Potter	VSR-4		17

DRY PIPE OPERATING TEST

DRY VALVE			O.O.D.		
MAKE	MODEL	SERIAL NO.	MAKE	MODEL	SERIAL NO.

	TIME TO TRIP THRU TEST PIPE		WATER PRESSURE	AIR PRESSURE	TRIP POINT AIR PRESSURE	TIME WATER REACHED TEST OUTLET		ALARM OPERATED PROPERLY	
	MIN.	SEC.	PSI	PSI	PSI	MIN.	SEC.	YES	NO
Without O.O.D.									
With O.O.D.									

IF NO, EXPLAIN

DELUGE & PREACTION VALVES

OPERATION: ☐ PNEUMATIC ☐ ELECTRIC ☑ HYDRAULIC

PIPING SUPERVISED: ☐ YES ☐ NO — DETECTING MEDIA SUPERVISED: ☐ YES ☐ NO

DOES VALVE OPERATE FROM THE MANUAL TRIP AND/OR REMOTE CONTROL STATIONS: ☐ YES ☐ NO

IS THERE AN ACCESSIBLE FACILITY IN EACH CIRCUIT FOR TESTING: ☐ YES ☐ NO — IF NO, EXPLAIN

MAKE	MODEL	DOES EACH CIRCUIT OPERATE SUPERVISION LOSS ALARM		DOES EACH CIRCUIT OPERATE VALVE RELEASE		MAXIMUM TIME TO OPERATE RELEASE	
		YES	NO	YES	NO	MIN.	SEC.

TEST DESCRIPTION

HYDROSTATIC: Hydrostatic tests shall be made at not less than 200 psi (13.8 bars) for two hours or 50 psi (3.4 bars) above static pressure in excess of 150 psi (10.2 bars) for two hours. Differential dry-pipe valve clappers shall be left open during test to prevent damage. All aboveground piping leakage shall be stopped.
FLUSHING: Flow the required rate until water is clear as indicated by no collection of foreign material in burlap bags at outlets such as hydrants and blow-offs. Flush at flows not less than 400 GPM (1514 L/min) for 4-inch pipe, 600 GPM (2271 L/min) for 5-inch pipe, 750 GPM (2839 L/min) for 6-inch pipe, 1000 GPM (3785 L/min) for 8-inch pipe, 1500 GPM (5678 L/min) for 10-inch pipe and 2000 GPM (7570 L/min) for 12-inch pipe. When supply cannot produce stipulated flow rates, obtain maximum available.
PNEUMATIC: Establish 40 psi (2.7 bars) air pressure and measure drop which shall not exceed 1-½ psi (0.1 bars) in 24 hours. Test pressure tanks at normal water level and air pressure and measure air pressure drop which shall not exceed 1-½ psi (0.1 bars) in 24 hours.

TESTS

ALL PIPING HYDROSTATICALLY TESTED AT 200 PSI FOR 2 HRS. — IF NO, STATE REASON

DRY PIPING PNEUMATICALLY TESTED ☐ YES ☐ NO

EQUIPMENT OPERATES PROPERLY ☐ YES ☐ NO

DRAIN TEST — READING OF GAGE LOCATED NEAR WATER SUPPLY TEST PIPE: STATIC PRESSURE: 70 PSI — RESIDUAL PRESSURE WITH VALVE IN TEST PIPE OPEN WIDE: 55 PSI

Underground mains and lead in connections to system risers flushed before connection made to sprinkler piping.

VERIFIED BY COPY OF THE U FORM NO. 85B ☐ YES ☑ NO

FLUSHED BY INSTALLER OF UNDER-GROUND SPRINKLER PIPING ☐ YES ☑ NO

OTHER — EXPLAIN: Underground existing.

BLANK TESTING GASKETS

NUMBER USED	LOCATIONS	NUMBER REMOVED
0		

WELDING

WELDED PIPING ☐ YES ☑ NO

IF YES,

DO YOU CERTIFY AS THE SPRINKLER CONTRACTOR THAT WELDING PROCEDURES COMPLY WITH THE REQUIREMENTS OF AT LEAST AWS D10.9, LEVEL AR-3 ☑ YES ☐ NO

DO YOU CERTIFY THAT THE WELDING WAS PERFORMED BY WELDERS QUALIFIED IN COMPLIANCE WITH THE REQUIREMENTS OF AT LEAST AWS D10.9, LEVEL AR-3 ☑ YES ☐ NO

DO YOU CERTIFY THAT WELDING WAS CARRIED OUT IN COMPLIANCE WITH A DOCUMENTED QUALITY CONTROL PROCEDURE TO INSURE THAT ALL DISCS ARE RETRIEVED, THAT OPENINGS IN PIPING ARE SMOOTH, THAT SLAG AND OTHER WELDING RESIDUE ARE REMOVED, AND THAT THE INTERNAL DIAMETERS OF PIPING ARE NOT PENETRATED ☑ YES ☐ NO

HYDRAULIC DATA NAMEPLATE

NAMEPLATE PROVIDED ☐ YES ☑ NO — IF NO, EXPLAIN

RECEIVED
FEB 24 2010
Dept. of Building Inspections
City of Portland, Maine

REMARKS

DATE LEFT IN SERVICE WITH ALL CONTROL VALVES OPEN: 12-28-09

SIGNATURES

NAME OF SPRINKLER CONTRACTOR: Eastern Fire Protection

TESTS WITNESSED BY

FOR PROPERTY OWNER (SIGNED)	TITLE	DATE

FOR SPRINKLER CONTRACTOR (SIGNED)	TITLE	DATE
[signature]	Fitter	12-28-09

ADDITIONAL EXPLANATION AND NOTES

EASTERN FIRE PROTECTION
P.O. Box 1390
Kittyhawk Ave.
Auburn, ME 04210

PH # (207) 784-1507
FAX # (207) 782-0566

LETTER OF TRANSMITTAL

DATE 11-19-09	JOB NO. A 4487-09
ATTENTION Lannie Dobson	
RE: Cakes Extraordinaire	

TO City of Portland, Building Inspections
389 Congress Street, Room 315
Portland, Maine 04101

WE ARE SENDING YOU ☑ Attached ☐ Under separate cover via _____ the following items:

☑ Shop drawings ☐ Descriptive data ☑ Hydraulic calculations
☐ Copy of letter ☐ Literature ☑ Permit App & check

QUANTITY	DRAWING NO.	DATE	DESCRIPTION	STATUS
1	1 of 1	9-22-06	Shop Drawing	C/E
1			Hydraulic Calculation	C/E
1			Permit App	E
1			$60.00 check	E

Status code
A. Approved
B. Approved as noted
(C.) Submitted for approval
D. Corrected & resubmitted
(E.) For your files
F. Refer to remarks

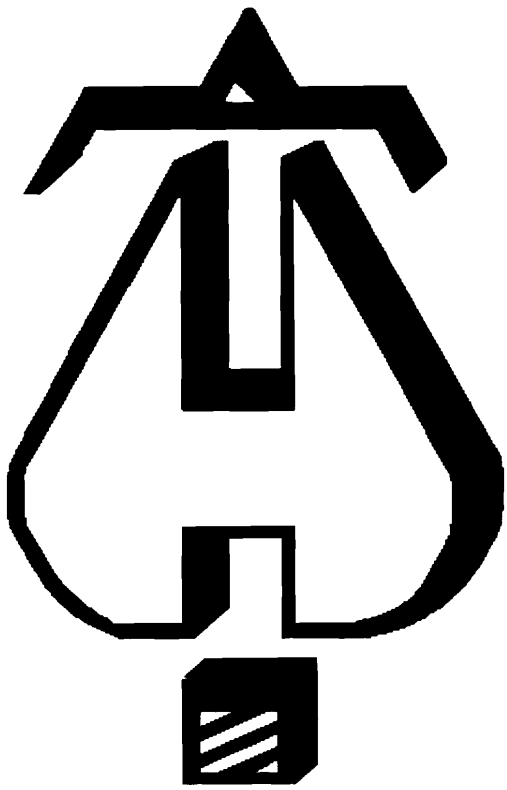
Please return written notification ~~copies each~~ indicating your approval and/or comments.

REMARKS _____

COPY TO File

SIGNED Daniel R. St. Pierre

If enclosures are not as noted, kindly notify us at once



. . . **Fire Protection by Computer Design**

EASTERN FIRE PROTECTION
P.0. BOX 1390
170 KITTYHAWK AVENUE
AUBURN, MAINE 4210
207-784-1507

Job Name	:	CAKES EXTRAORDINAIRE CALCULATION
Drawing	:	1 OF 1
Location	:	PINE TREE SHOPPING, BRIGHTON AVENUE, PORTLAND, MAINE
Remote Area	:	
Contract	:	AN-4487-09
Data File	:	4487CAKESEXTRAORDINAIRE.WXF

HYDRAULIC CALCULATIONS
for

Project name: CAKES EXTRAORDINAIRE CALCULATION
Location: PINE TREE SHOPPING, BRIGHTON AVENUE, PORTLAND, MAINE
Drawing no: 1 OF 1
Date: 11/17/09

Design

Remote area number:
Remote area location: FRONT OF STORE
Occupancy classification: ORDINARY HAZARD GROUP II
Density: .2 - Gpm/SqFt
Area of application: 1089 - SqFt
Coverage per sprinkler: 130 - SqFt
Type of sprinklers calculated: TYCO, TY-FRB, TY-3131, UPRIGHT, 5.6K, 155 DE
No. of sprinklers calculated: 9
In-rack demand: - GPM
Hose streams: 250 - GPM
Total water required (including hose streams): 497.9 - GPM @ 72.9 - Psi
Type of system: WET TREE
Volume of dry or preaction system: - Gal

Water supply information

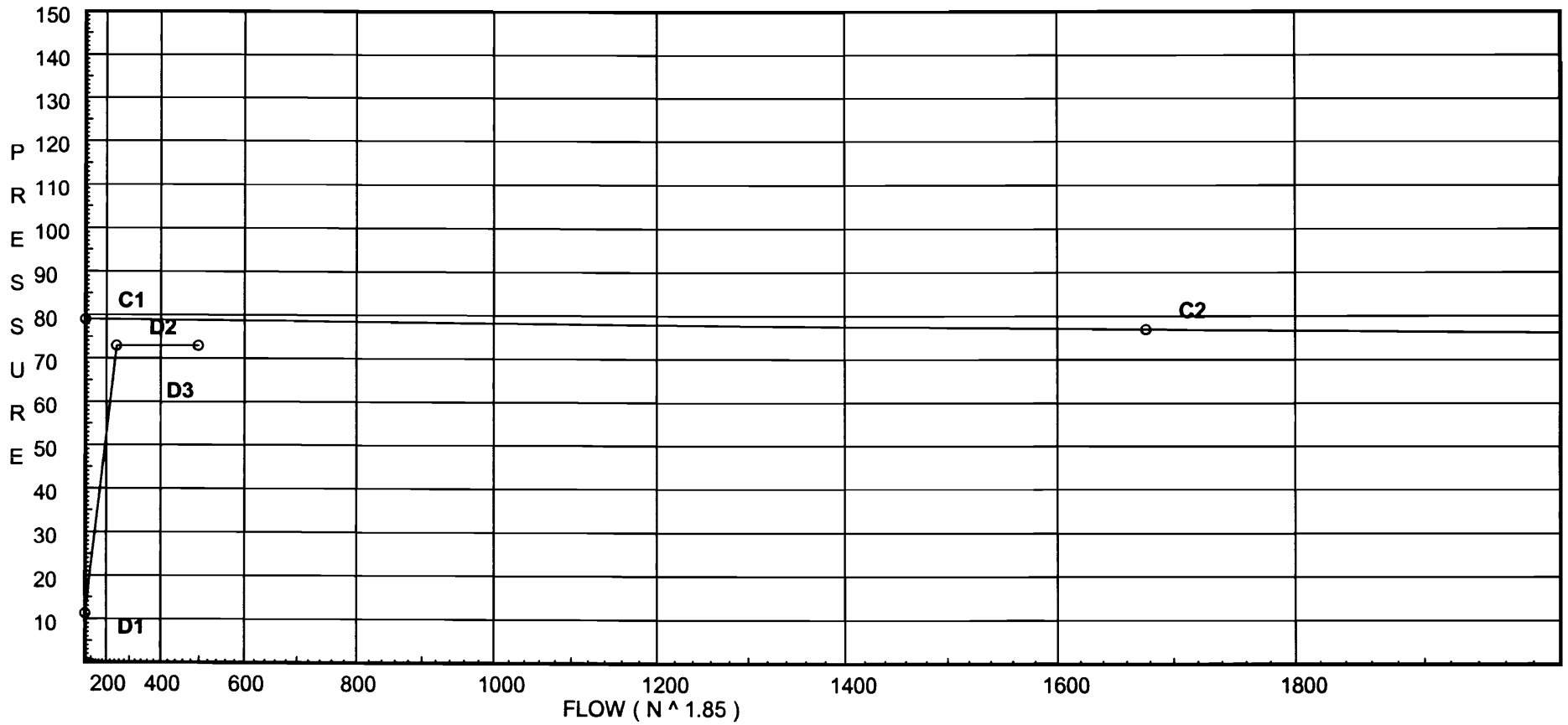
Date: 5/21/04
Location: AT BRIGHTON AVENUE & CHABOT
Source: PORTLAND WATER DISTRICT

Name of contractor: EASTERN FIRE PROTECTION
Address: P.0. BOX 1390 / 170 KITTYHAWK AVENUE / AUBURN, MAINE 4210
Phone number: 207-784-1507
Name of designer: DRS
Authority having jurisdiction: PORTLAND FIRE DEPARTMENT
Notes: (Include peaking information or gridded systems here.) AREA REDUCED PER NFPA 13 SECTION 11.2.3.2.3.1.

City Water Supply:
- C1 - Static Pressure : 79
- C2 - Residual Pressure: 77
- C2 - Residual Flow : 1677

Demand:

D1 - Elevation	:	11.295
D2 - System Flow	:	247.947
D2 - System Pressure	:	72.916
Hose (Adj City)	:	
Hose (Demand)	:	250
D3 - System Demand	:	497.947
Safety Margin	:	5.873



Fittings Used Summary

Fitting Legend

Abbrev.	Name	½	¾	1	1¼	1½	2	2½	3	3½	4	5	6	8	10	12	14	16	18	20	24
B	Generic Butterfly Valve	0	0	0	0	0	0	7	10	0	12	9	10	12	19	21	0	0	0	0	0
E	90' Standard Elbow	2	2	2	3	4	5	6	7	8	10	12	14	18	22	27	35	40	45	50	61
Fsp	Flow Switch Potter VSR	Fitting generates a Fixed Loss Based on Flow																			
G	Generic Gate Valve	0	0	0	0	0	1	1	1	1	2	2	3	4	5	6	7	8	10	11	13
L	Long Turn Elbow	1	1	2	2	2	3	4	5	5	6	8	9	13	16	18	24	27	30	34	40
T	90' Flow thru Tee	3	4	5	6	8	10	12	15	17	20	25	30	35	50	60	71	81	91	101	121
Zcb	Colt C200 Vert Butt	Fitting generates a Fixed Loss Based on Flow																			

Units Summary

Diameter Units	Inches
Length Units	Feet
Flow Units	US Gallons per Minute
Pressure Units	Pounds per Square Inch

SUPPLY ANALYSIS

Node at Source	Static Pressure	Residual Pressure	Flow	Available Pressure	Total Demand	Required Pressure
TEST	79.0	77	1677.0	78.788	497.95	72.916

NODE ANALYSIS

Node Tag	Elevation	Node Type	Pressure at Node	Discharge at Node	Notes
1	101.08	5.6	21.56	26.0	
2	101.08	5.6	23.44	27.11	
3	101.08	5.6	24.58	27.76	
AA	101.08		26.19		
A	99.67		30.05		
4	101.08	5.6	22.09	26.32	
5	101.08	5.6	24.02	27.44	
6	101.08	5.6	25.18	28.1	
BB	101.08		26.82		
B	99.67		30.76		
7	101.08	5.6	23.94	27.4	
8	101.08	5.6	26.02	28.57	
9	101.08	5.6	27.27	29.24	
CC	101.08		29.04		
C	99.67		33.24		
D	99.67		41.86		
DD	97.0		49.16		
E	97.0		49.37		
F	97.0		53.05		
TOR	97.0		53.92		
BFP	90.0		60.06		
BASE	87.0		66.07		
MAIN	80.0		69.58	250.0	
TEST	75.0		72.92		

Node1 to Node2	Elev1 Elev2	K Fact	Qa Qt	Nom Act	Fitting or Eqv.	Ln.	Pipe Ftng's Total	CFact Pf/Ft	Pt Pe Pf	******* Notes ******
1	101.080	5.60	26.00	1		0.0	8.920	120	21.556	
to						0.0	0.0		0.0	
2	101.080		26.0	1.049		0.0	8.920	0.2114	1.886	Vel = 9.65
2	101.080	5.60	27.11	1.25	1T	6.0	7.170	120	23.442	
to						0.0	6.000		0.0	
AA	101.080		53.11	1.38		0.0	13.170	0.2085	2.746	Vel = 11.39
			0.0							
AA			53.11						26.188	K Factor = 10.38
3	101.080	5.60	27.76	1	1T	5.0	1.750	120	24.577	
to						0.0	5.000		0.0	
AA	101.080		27.76	1.049		0.0	6.750	0.2387	1.611	Vel = 10.31
AA	101.080		53.12	1.25	1T	6.0	1.170	120	26.188	
to						0.0	6.000		0.611	
A	99.670		80.88	1.38		0.0	7.170	0.4538	3.254	Vel = 17.35
A	99.670		0.0	2		0.0	13.790	120	30.053	
to						0.0	0.0		0.0	
B	99.670		80.88	2.157		0.0	13.790	0.0516	0.711	Vel = 7.10
			0.0							
B			80.88						30.764	K Factor = 14.58
4	101.080	5.60	26.32	1		0.0	8.920	120	22.088	
to						0.0	0.0		0.0	
5	101.080		26.32	1.049		0.0	8.920	0.2163	1.929	Vel = 9.77
5	101.080	5.60	27.44	1.25	1T	6.0	7.170	120	24.017	
to						0.0	6.000		0.0	
BB	101.080		53.76	1.38		0.0	13.170	0.2132	2.808	Vel = 11.53
			0.0							
BB			53.76						26.825	K Factor = 10.38
6	101.080	5.60	28.10	1	1T	5.0	1.750	120	25.177	
to						0.0	5.000		0.0	
BB	101.080		28.1	1.049		0.0	6.750	0.2441	1.648	Vel = 10.43
BB	101.080		53.76	1.25	1T	6.0	1.170	120	26.825	
to						0.0	6.000		0.611	
B	99.670		81.86	1.38		0.0	7.170	0.4642	3.328	Vel = 17.56
B	99.670		80.88	2		0.0	13.170	120	30.764	
to						0.0	0.0		0.0	
C	99.670		162.74	2.157		0.0	13.170	0.1879	2.475	Vel = 14.29
			0.0							
C			162.74						33.239	K Factor = 28.23
7	101.080	5.60	27.40	1		0.0	8.920	120	23.941	
to						0.0	0.0		0.0	
8	101.080		27.4	1.049		0.0	8.920	0.2331	2.079	Vel = 10.17
8	101.080	5.60	28.57	1.25	1T	6.0	7.170	120	26.020	
to						0.0	6.000		0.0	
CC	101.080		55.97	1.38		0.0	13.170	0.2296	3.024	Vel = 12.01
			0.0							
CC			55.97						29.044	K Factor = 10.39
9	101.080	5.60	29.24	1	1T	5.0	1.750	120	27.270	
to						0.0	5.000		0.0	
CC	101.080		29.24	1.049		0.0	6.750	0.2628	1.774	Vel = 10.85

Node1 to Node2	Elev1 Elev2	K Fact	Qa Qt	Nom Act	Fitting or Eqv.	Ln.	Pipe Ftng's Total	CFact Pf/Ft	Pt Pe Pf	******* Notes ******
CC	101.080		55.97	1.25	1T	6.0	1.170	120	29.044	
to						0.0	6.000		0.611	
C	99.670		85.21	1.38		0.0	7.170	0.4999	3.584	Vel = 18.28
C	99.670		162.74	2	1T	12.307	8.750	120	33.239	
to						0.0	12.307		0.0	
D	99.670		247.95	2.157		0.0	21.057	0.4096	8.625	Vel = 21.77
D	99.670		0.0	2	1T	12.307	2.670	120	41.864	
to						0.0	12.307		1.156	
DD	97		247.95	2.157		0.0	14.977	0.4096	6.135	Vel = 21.77
DD	97		0.0	4	1E	13.167	1.170	120	49.155	
to						0.0	13.167		0.0	
E	97		247.95	4.26		0.0	14.337	0.0149	0.213	Vel = 5.58
E	97		0.0	4	1Fsp	0.0	3.670	120	49.368	
to					1B	15.8	42.134		3.000	* Fixed loss = 3
F	97		247.95	4.26	1T	26.334	45.804	0.0149	0.683	Vel = 5.58
F	97		0.0	4	1E	13.167	19.040	120	53.051	
to					1T	26.334	39.501		0.0	
TOR	97		247.95	4.26		0.0	58.541	0.0149	0.871	Vel = 5.58
TOR	97		0.0	4	1Fsp	0.0	7.000	120	53.922	
to						0.0	0.0		6.032	* Fixed loss = 3
BFP	90		247.95	4.26		0.0	7.000	0.0149	0.104	Vel = 5.58
BFP	90		0.0	4	1Zcb	0.0	3.000	120	60.058	
to						0.0	0.0		5.963	* Fixed loss = 4.664
BASE	87		247.95	4.26		0.0	3.000	0.0150	0.045	Vel = 5.58
BASE	87		0.0	6	1L	12.911	200.000	140	66.066	
to					1G	4.304	60.252		3.032	
MAIN	80		247.95	6.16	1T	43.037	260.252	0.0019	0.483	Vel = 2.67
MAIN	80	H250	250.00	6	2L	25.822	100.000	140	69.581	
to					1G	4.304	73.163		2.166	
TEST	75		497.95	6.16	1T	43.037	173.163	0.0068	1.169	Vel = 5.36
			0.0							
TEST			497.95						72.916	K Factor = 58.31