

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND

# BUILDING PERMIT

This is to certify that  
RESIDENTIAL FIRE PROTECTION LLC  
64 DAGGETT HILL RD  
GREENE, ME 04236

For installation at  
84 EASTERN PROMENADE  
4 DWELLINGS

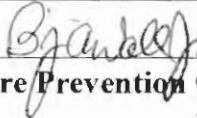
Job ID: 2012-01-3003-ALTCOMM

CBL: 003- C-010-001

has permission to install NFPA 13R sprinkler first flr & basement  
provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

  
Fire Prevention Officer

58

Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY  
PENALTY FOR REMOVING THIS CARD

## BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: [buildinginspections@portlandmaine.gov](mailto:buildinginspections@portlandmaine.gov)

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

### **Final Fire**

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



# PORTLAND MAINE

*Strengthening a Remarkable City, Building a Community for Life • [www.portlandmaine.gov](http://www.portlandmaine.gov)*

Director of Planning and Urban Development  
Penny St. Louis

**Job ID: 2012-01-3003-ALTCOMM**  
**install NFPA 13R sprinkler first flr &**  
**basement**

**For installation at:**  
**84 EASTERN**  
**PROMENADE**

**CBL: 003- C-010-001**

## **Conditions of Approval:**

### **Fire**

The sprinkler system shall be installed in accordance with NFPA 13R. A signed compliance letter will be required.

A separate sprinkler permit is required from the State Fire Marshal's Office.

A sprinkler supervisory system shall be provided in accordance with NFPA 101, *Life Safety Code*, and NFPA 72, *National Fire Alarm and Signaling Code*. Sprinkler supervisory systems shall monitor for water flow and sprinkler supervisory signals via an approved fire alarm panel to central station. One smoke detector shall be located over the panel, a manual pull station located at the front door, and an audible water flow alarm provided.

A separate Fire Alarm Permit is required.

Sprinkler protection shall be maintained. Where the system is to be shut down for maintenance or repair, the system shall be checked at the end of each day to insure the system has been placed back in service.

Fire department connection shall be one 2 1/2" NH. The Fire Department will require Knox locking caps on all Fire Department Connections on the exterior of the building.

System acceptance and commissioning must be coordinated with alarm and suppression system contractors and the Fire Department. Call 874-8703 to schedule.

City ordinance requires a Knox Box for all structures with a sprinkler or fire alarm system.

**City of Portland, Maine - Building or Use Permit Application**

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

Job No: 2012-01-3003-ALTCOMM #2012-40683 FAFS	Date Applied: 2/9/2012	CBL: 003- C-010-001	
Location of Construction: 84 EASTERN PROMENADE	Owner Name: THE MILES STANDISH LLC	Owner Address: 151 NEWBURY STREET, PORTLAND, ME 04101	Phone:
Business Name:	Contractor Name: RESIDENTIAL FIRE PROTECTION LLC	Contractor Address: 64 DAGGETT HILL RD., GREENE, ME 04236	Phone: (207) -946-3473
Lessee/Buyer's Name:	Phone:	Permit Type: FAFS	Zone: R-6
Past Use: Four Family Dwelling	Proposed Use: Same: Four Family dwelling – to install fire suppression system in basement and first floor	Cost of Work: \$13,000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved w/ conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: Type:
		Signature: <i>Bjorn...</i> (50)	Signature:
Proposed Project Description: remodel basement & first floor apartments		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Brad		<b>Zoning Approval</b>	

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 informatin may invalidate a building permit and stop all work.

Special Zone or Reviews	Zoning Appeal	Historic Preservation
<input type="checkbox"/> Shoreland	<input type="checkbox"/> Variance	<input checked="" type="checkbox"/> Not in Dist or Landmark
<input type="checkbox"/> Wetlands	<input type="checkbox"/> Miscellaneous	<input type="checkbox"/> Does not Require Review
<input type="checkbox"/> Flood Zone	<input type="checkbox"/> Conditional Use	<input type="checkbox"/> Requires Review
<input type="checkbox"/> Subdivision	<input type="checkbox"/> Interpretation	<input type="checkbox"/> Approved
<input type="checkbox"/> Site Plan	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Conditions
<input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM	<input type="checkbox"/> Denied	<input type="checkbox"/> Denied
Date: <i>OK</i> <i>2/9/12</i>	Date:	Date: <i>[Signature]</i>

**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 appication 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.

SIGNATURE OF APPLICANT ADDRESS DATE PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE DATE PHONE

Entered 2/9/12 (B)

By to 2012 01 303-Attcann



# Water-Based 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.

R-6

Permit # 2012-40683

Installation address: 84 Eastern Promenade CBL: 003 - 0010 - 001

Exact location: (within structure) Basement and first floors 4 Family Dwelling

Type of occupancy(s) (NFPA & ICC): Residential

Building owner: \_\_\_\_\_

Managing Supervisor (RMS): Stan Camic License No: 80

Supervisor phone: 207-713-5912 E-mail: scamic@rfpllc.net

Installing contractor: Residential Fire Protection License No: 511

Contractor phone: 207-946-3473 E-mail: scamic@rfpllc.net

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 this system is designed to: 13R Edition: 2007

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

RECEIVED  
FEB 09 2012  
Dept of Building Inspections

Download a new copy of this document from [www.portlandmaine.gov/fire](http://www.portlandmaine.gov/fire) for every submittal. Attach all working documents and complete approved submittals as may be required by the State Fire Marshal's Office on 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.

<b>COST OF WORK:</b> <u>\$12,200</u>
<b>PERMIT FEE:</b> _____
(\$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).

Applicant signature: [Signature] Date: 02-08-12



State of Maine  
Department of Public Safety



Fire Sprinkler System Permit

# 9859

84 Eastern Promenade

Located at: 84 Eastern Promenade  
In the Town of: Portland  
Occupancy/Use: Residential  
Type of System: NFPA 13R

Permission is hereby given to:

Residential Fire Protection LLC

64 Daggett Hill Road  
Greene, ME 04236  
Contractor License # 511

to begin installation according to plans submittal approved by the Office of State Fire Marshal. The submittal is filed under log # 2121046 , and no departure from the application submittal shall be made without prior approval in writing. This permit is issued under the provisions of Title 32, Chapter 20, Section 12004-I. Nothing herein shall excuse the holder of this permit from failure to comply with local ordinances, zoning laws, or other pertinent legal restrictions. This permit shall be displayed at the construction site or be made readily available.

This permit was issued on 2/8/2012 for a fee paid of \$100.00

This permit will expire at midnight on Monday, August 06, 2012

The expiration date applies only if the installation has not begun by that date and no permission has been granted to extend the date. Once installation begins, then the permit is valid for however long it takes to complete the installation, assuming that the work is fairly continuous.

John E. Morris  
Commissioner

*The type of Fire Department Connection and its location is to be according to the Local Fire Department*

Within 30 days of the completion of a new fire sprinkler system or an addition to an existing fire sprinkler system, a fire sprinkler system contractor shall provide to the Office of State Fire Marshal a copy of this permit signed and dated by the certified Responsible Managing Supervisor representing that the fire sprinkler system has been installed according to specifications of the approved plan to the best of the supervisor's knowledge, information, and belief. This requirement is part of the sprinkler law, and neglect of this duty is grounds to not renew the contractor's license to do work in the State of Maine. All renewed sprinkler licenses are good for two years and expire on a June 30th.

Job completed, tested and verified by date of \_\_\_\_\_

RMS for this job: Camic Stan

RMS Signature: \_\_\_\_\_

HYDRAULIC DESIGN INFORMATION SHEET

Name - 84 Eastern Promenade Date - 02-03-12  
Location - Basement  
Building - System No. - 1 of 1  
Contractor - Residential Fire Protection Contract No. - C12006  
Calculated By - JAL Drawing No. -  
Construction: (X) Combustible ( ) Non-Combustible Ceiling Height 7'-3"  
OCCUPANCY - Residential

S Type of Calculation: ( )NFPA 13 Residential (X)NFPA 13R ( )NFPA 13D  
Y Number of Sprinklers Flowing: ( )1 ( )2 (X)4 ( )  
S ( )Other  
T ( )Specific Ruling Made by Date  
E  
M Listed Flow at Start Point - 14 Gpm System Type  
Listed Pres. at Start Point - 8.2 Psi (X) Wet ( ) Dry  
D MAXIMUM LISTED SPACING 20 x 20 ( ) Deluge ( ) PreAction  
E Domestic Flow Added - Gpm Sprinkler or Nozzle  
S Additional Flow Added - Gpm Make Viking Model VK456  
I Elevation at Highest Outlet - 8 Feet Size K-Factor 4.9  
G Note:Safety Margin: 41.825 Temperature Rating 155  
N

Calculation Gpm Required 45.759 Psi Required 24.083 At Test  
Summary C-Factor Used: Overhead 150 Underground 150

W Water Flow Test: Pump Data: Tank or Reservoir:  
A Date of Test - 10-19-2001 Rated Cap. Cap.  
T Time of Test - @ Psi Elev.  
E Static (Psi) - 66 Elev.  
R Residual (Psi) - 50 Other Well  
Flow (Gpm) - 745 Proof Flow Gpm  
S Elevation - 0  
P Location:  
P  
L Source of Information:  
Y

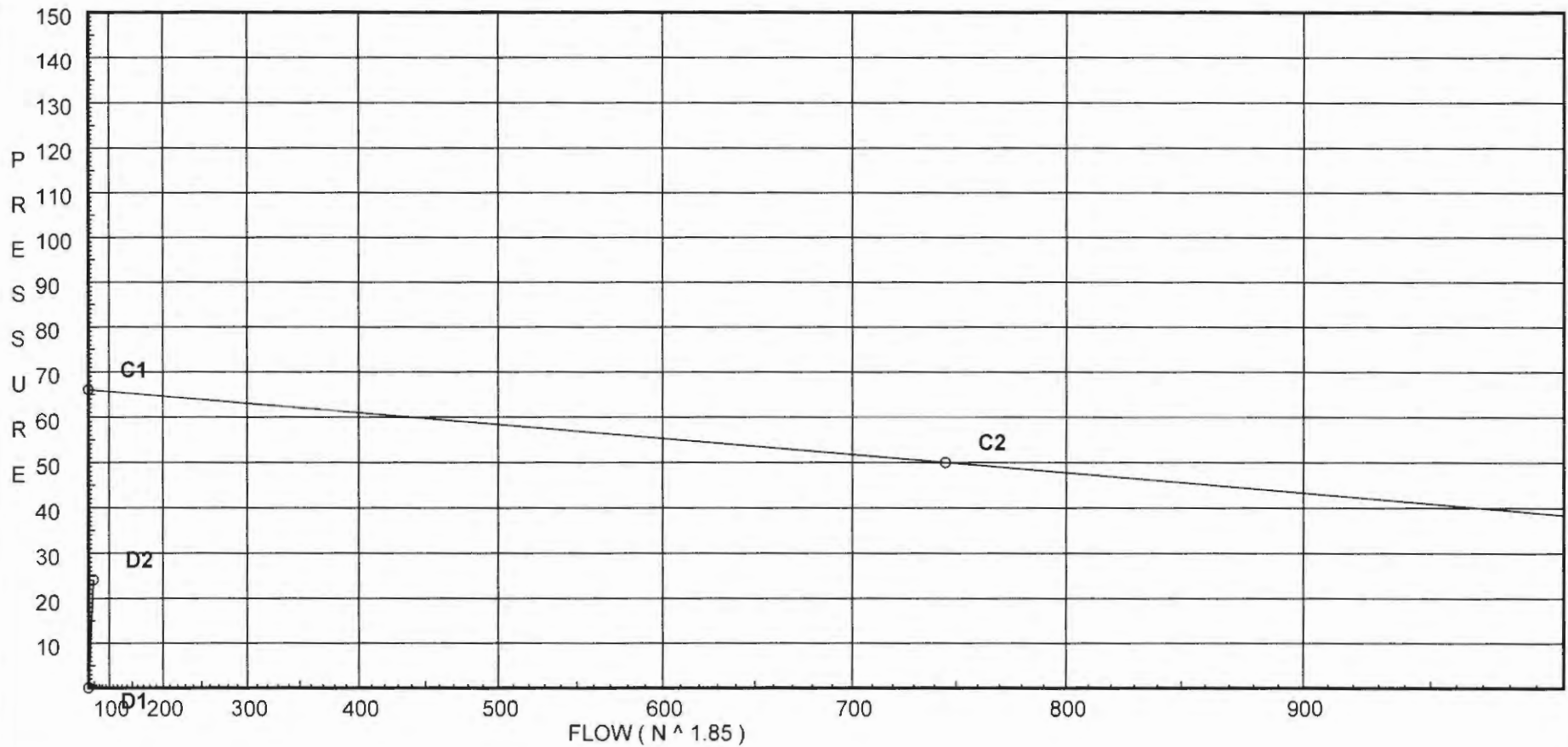
# Water Supply Curve (C)

RESIDENTIAL FIRE PROTECTION  
84 Eastern Promenade

Page 2  
Date

City Water Supply:  
C1 - Static Pressure : 66  
C2 - Residual Pressure: 50  
C2 - Residual Flow : 745

Demand:  
D1 - Elevation : \_\_\_\_\_  
D2 - System Flow : 45.7591  
D2 - System Pressure : 24.083  
Hose ( Adj City ) : \_\_\_\_\_  
Hose ( Demand ) : \_\_\_\_\_  
D3 - System Demand : 45.7591  
Safety Margin : 41.825





# Fittings Used Summary

RESIDENTIAL FIRE PROTECTION  
84 Eastern Promenade

Page 3  
Date

## Fitting Legend

Abbrev.	Name	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8	10	12	14	16	18	20	24
E	90' Standard Elbow	2	2	2	3	4	5	6	7	8	10	12	14	18	22	27	35	40	45	50	61
G	Generic Gate Valve	0	0	1	1	1	1	1	1	1	2	2	3	4	5	6	7	8	10	11	13
N	CPVC 90' Ell Harvel-Spears	7	7	7	8	9	11	12	13	0	0	0	0	0	0	0	0	0	0	0	0
O	CPVC Tee - Branch	3	3	5	6	8	10	12	15	0	0	0	0	0	0	0	0	0	0	0	0
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
Z	Generic Flow Switch	2	2	2	3	4	5	6	7	8	10	12	14	18	22	27	35	40	45	50	61
Zwa	Watts 007	Fitting generates a Fixed Loss Based on Flow																			

# Pressure / Flow Summary - STANDARD

RESIDENTIAL FIRE PROTECTION  
84 Eastern Promenade

Page 4  
Date

Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	Area	Press Req.
HD1	8.3	4.9	8.2	na	14.03	0.1	140	8.2
HD2	8.3	4.9	8.2	na	14.03	0.1	140	8.2
30	8.3	K = K @ DRP1	9.02	na	14.03			
31	8.3	K = K @ DRP1	10.79	na	15.35			
32	8.3	K = K @ DRP2	11.68	na	16.37			
40	8.3		11.35	na				
41	8.3		14.3	na				
42	8.3		15.2	na				
21	8.3		16.7	na				
TR	8.3		17.36	na				
BR	8.3		23.19	na				
UG1	8.3		24.07	na				
TEST	8.3		24.08	na				

The maximum velocity is 9.9 and it occurs in the pipe between nodes 40 and 21

HYDRAULIC DESIGN INFORMATION SHEET

Name - 84 Eastern Promenade Date - 02-03-12  
Location - 3rd floor  
Building - System No. - 1 of 1  
Contractor - Residential Fire Protection Contract No. - C12006  
Calculated By - JAL Drawing No. -  
Construction: (X) Combustible ( ) Non-Combustible Ceiling Height 10'-6"  
OCCUPANCY - Residential

S Type of Calculation: ( )NFPA 13 Residential (X)NFPA 13R ( )NFPA 13D  
Y Number of Sprinklers Flowing: ( )1 ( )2 (X)4 ( )  
S ( )Other  
T ( )Specific Ruling Made by Date  
E  
M Listed Flow at Start Point - 17 Gpm System Type  
Listed Pres. at Start Point - 16.4 Psi (X) Wet ( ) Dry  
D MAXIMUM LISTED SPACING 16 x 16 ( ) Deluge ( ) PreAction  
E Domestic Flow Added - Gpm Sprinkler or Nozzle  
S Additional Flow Added - Gpm Make Victaulic Model V2738  
I Elevation at Highest Outlet - 38.75Feet Size K-Factor 4.2  
G Note:Safety Margin: 6.918 Temperature Rating 155  
N

Calculation Gpm Required 77.157 Psi Required 58.841 At Test  
Summary C-Factor Used: Overhead 150 Underground 150

W Water Flow Test: Pump Data: Tank or Reservoir:  
A Date of Test - 10-19-2001 Rated Cap. Cap.  
T Time of Test - @ Psi Elev.  
E Static (Psi) - 66 Elev.  
R Residual (Psi) - 50 Other Well  
Flow (Gpm) - 745 Proof Flow Gpm  
S Elevation - 0

P Location:

P

L Source of Information:

Y

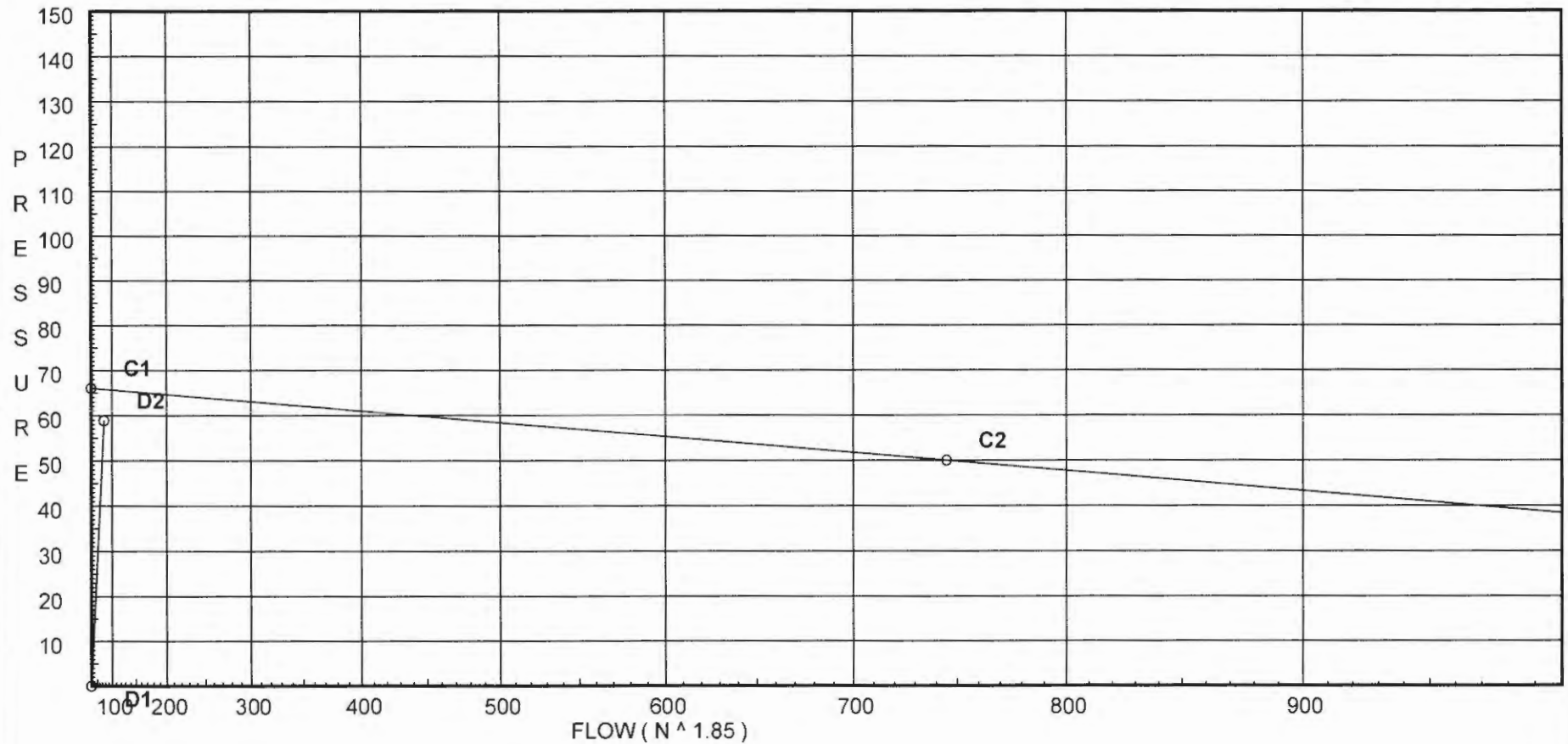
# Water Supply Curve (C)

RESIDENTIAL FIRE PROTECTION  
84 Eastern Promenade

Page 2  
Date 02-03-12

City Water Supply:  
C1 - Static Pressure : 66  
C2 - Residual Pressure: 50  
C2 - Residual Flow : 745

Demand:  
D1 - Elevation : \_\_\_\_\_  
D2 - System Flow : 77.1575  
D2 - System Pressure : 58.841  
Hose ( Adj City ) : \_\_\_\_\_  
Hose ( Demand ) : \_\_\_\_\_  
D3 - System Demand : 77.1575  
Safety Margin : 6.918



# Fittings Used Summary

RESIDENTIAL FIRE PROTECTION  
84 Eastern Promenade

Page 3  
Date 02-03-12

## Fitting Legend

Abbrev.	Name	½	¾	1	1¼	1½	2	2½	3	3½	4	5	6	8	10	12	14	16	18	20	24
E	90' Standard Elbow	2	2	2	3	4	5	6	7	8	10	12	14	18	22	27	35	40	45	50	61
G	Generic Gate Valve	0	0	1	1	1	1	1	1	1	2	2	3	4	5	6	7	8	10	11	13
N	CPVC 90'Ell Harvel-Spears	7	7	7	8	9	11	12	13	0	0	0	0	0	0	0	0	0	0	0	0
O	CPVC Tee - Branch	3	3	5	6	8	10	12	15	0	0	0	0	0	0	0	0	0	0	0	0
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
Z	Generic Flow Switch	2	2	2	3	4	5	6	7	8	10	12	14	18	22	27	35	40	45	50	61
Zwa	Watts 007	Fitting generates a Fixed Loss Based on Flow																			

# Pressure / Flow Summary - STANDARD

RESIDENTIAL FIRE PROTECTION  
84 Eastern Promenade

Page 4  
Date 02-03-12

Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	Area	Press Req.
HD1	38.75	4.9	7.04	na	13.0	0.1	130	7.0
HD2	38.75	4.9	8.2	na	14.03	0.1	140	8.2
1	38.75	4.2	16.4	na	17.01	0.1	170	16.4
2	38.75	4.2	20.98	na	19.24	0.1	140	11.1
3	38.75	K = K @ DRP1	18.23	na	19.94			
3A	38.75		18.91	na				
4	38.75	K = K @ DRP2	19.16	na	20.97			
10	38.75		20.82	na				
11	38.75		23.34	na				
12	38.75		27.36	na				
13	38.75		38.63	na				
20	38.75		44.02	na				
21	38.75		46.09	na				
TR	38.75		49.99	na				
BR	38.75		56.49	na				
UG1	1.0		75.16	na				
TEST	38.75		58.84	na				

The maximum velocity is 19.52 and it occurs in the pipe between nodes 10 and 11

Final Calculations - Standard

RESIDENTIAL FIRE PROTECTION  
84 Eastern Promenade

Page 6  
Date 02-03-12

Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
BR	0.0	1.917	1E 5.235	25.000	56.491				
to		150	1G 1.047	16.752	16.349				
UG1	77.16	0.0556	1T 10.47	41.752	2.320		Vel = 8.58		
UG1	0.0	6.16	1T 43.037	100.000	75.160				
to		140	0.0	43.037	-16.349				
TEST	77.16	0.0002	0.0	143.037	0.030		Vel = 0.83		
	0.0								
	77.16				58.841		K Factor = 10.06		



# CITY OF PORTLAND, MAINE

Department of Building Inspections

## Original Receipt

2/9 2012

Received from Res. Fire Protect.

Location of Work 84 Eastern Pl

Cost of Construction \$ \_\_\_\_\_ Building Fee: \_\_\_\_\_

Permit Fee \$ \_\_\_\_\_ Site Fee: \_\_\_\_\_

Certificate of Occupancy Fee: \_\_\_\_\_

Water Based FS Total: 150.00

Building (IL) \_\_\_\_\_ Plumbing (I5) \_\_\_\_\_ Electrical (I2) \_\_\_\_\_ Site Plan (U2) \_\_\_\_\_

Other \_\_\_\_\_

CBL: 003-610-001

Check #: 083852

RECEIVED  
FEB 09 2012  
Total Collected \$ 150

**No work is to be started until permit issued.  
Please keep original receipt for your records.**

Taken by: 

WHITE - Applicant's Copy  
YELLOW - Office Copy  
PINK - Permit Copy