

W-12-31  
SERVICE 33747-FS

# NEW BEDFORD WATER WORKS

## APPLICATION FOR SERVICE AND METER

NEW BEDFORD 9-5-12

I HEREBY ACKNOWLEDGE the receipt of a copy of the Regulations prescribed in the Ordinance of the City, for the use of Water, and I request that the water may be furnished through a

4 inch FIRE Supply meter at 3-family

31 Bentley St. to be billed on Domestic # 9976

at such rates as may from time to time be established by the City.

I hereby agree to pay promptly the bill for the Service pipe laid down for my premises, and to pay all dues for water, and I agree to conform to the said Regulations and to all provisions of the Water Ordinances, until written notice is given by me or my agent to cut off the supply.

P 92 L 108

Salim Khalife  
31 Bentley St.  
New Bedford, MA 02746

TELEPHONE

Service laid 10/26/2012 by Size and kind of pipe 4" D.I.  
fire construction

From

Turned on Meter Set N/A

Reading Location

Building rates Paid

Cost of Service \$465.00 check #105 Paid 9/5/12

31-727

FOR INSPECTION ONLY A 24 HOUR  
NOTICE IS REQUIRED AND THE  
CONTRACTOR/APPLICANT IS  
REQUIRED TO NOTIFY THE D.P.T.  
@ 508-991-6150  
PERMIT EXPIRES 1 YEAR

31 Bentley St  
Plot 92 Lot 108

Service #33747-FS

Measures to 4" Curb Stop

E x E line Ashley Blvd	94.0 ft.
N x S line Bentley St	19.8 ft.
E x W line Building	5.0 ft.
W x E line Building	23.0 ft.
S x S line Building	365.0 ft.

Main to Property Line	31.0 ft.
Pipe Inside Property	8.0 ft.

Work done: October 26, 2012

Application Fee	\$350.00
Inspection	\$ 70.00
Turn on charge	<u>\$ 45.00</u>
	\$465.00

Owner: Salim Khalife

Contractor: JLC Construction

DISPLAY PERMIT IN A CONSPICUOUS PLACE ON THE PREMISES



Commonwealth of Massachusetts

City of New Bedford

133 William Street New Bedford, MA 02740

WATER SERVICE PERMIT



Date: 9/12/2012

No. **W-12-31**

Permit Fee: \$465.00

Service Location: 31 BENTLEY ST

Owner Name: KHALIFE SALIM AKHALIFE SERGE

Owner Phone #: \_\_\_\_\_

Type of Occupancy: Residential

Type of Work: Water - Fire Supply New 4"

Work Description: WATER PERMIT # 33747 - INSTALL 4" DUCTILE IRON FIRE SUPPLY

Contractor

Name: DEMETRI COSTA Certificate #: \_\_\_\_\_ Type of Business : \_\_\_\_\_

Address: 415 LAKE RD City/Town/State: TIVERTON RI Phone #: (508) 326-

Type of Service	Pipe Size	Trench Length:	
Fire Service	<u>4"</u>		<b>0.00</b>
Domestic Service	_____		

Estimated consumption of water

Estimated average daily consumption 0.00 gallons

Cross Connection? **No**

Estimated maximum day consumption 0.00 gallons

Right of Way? **No**

Are lawn sprinklers and/or lawn irrigation proposed on site? **No**

Meter Impact? **No**

Estimated fire flows required for the project site: 0.00

Street Opening Permit Required? **No**

Does the project require a fire suppression system? **No**

Required minimum static pressure for the proposed project site 0.00

**GRANTED WITH THE USUAL CONDITIONS**

\_\_\_\_\_  
COMMISSIONER

DISSEMINATE PERMIT IN A CONSPICUOUS PLACE ON THE PREMISES

Commonwealth of Massachusetts

# City of New Bedford

Water Department

## WATER SERVICE PERMIT

No. 12345

0-210012

BENTLEY ST

JOHN W. BENTLEY

Residential

WATER PERMIT # 12345 - INSTALL 4" DIAMETER WATER SUPPLY

12-1-00

THURSTON

1234

THURSTON

1234

1234

1234

1234

1234

1234

GRANTED WITH THE USUAL CONDITIONS

1234



# Rustic Fire Protection, Inc.

"SPRINKLER SYSTEMS SPECIALIST"

MA LIC. NO. 006335  
RI LIC. NO. 00000396

320 WEST MAIN STREET  
P.O. BOX 1210  
NORTON, MA 02766

TEL.# (508) 431-9938  
FAX# (508) 431-9986

September 6, 2012

City of New Bedford  
Water Department  
1105 Shawmut Ave.  
New Bedford, MA 02746

RE: 31 Bentley Street  
Fire Sprinkler Service from the city supply  
New Bedford, MA

Cliff,

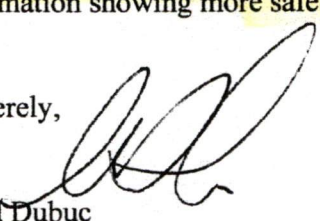
The following clarifies that the existing fire protection plans dated in 2008 show a 2-1/2 underground service coming into the building right side of the basement.

The owner of the building is requesting that the service size be changed to 4" DI piping and that the location now come in from the left side of the building.

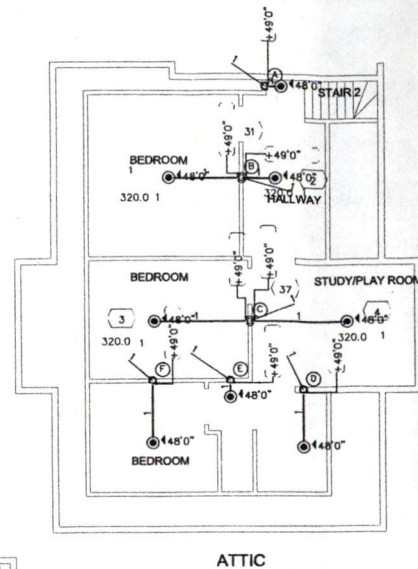
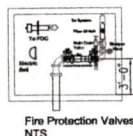
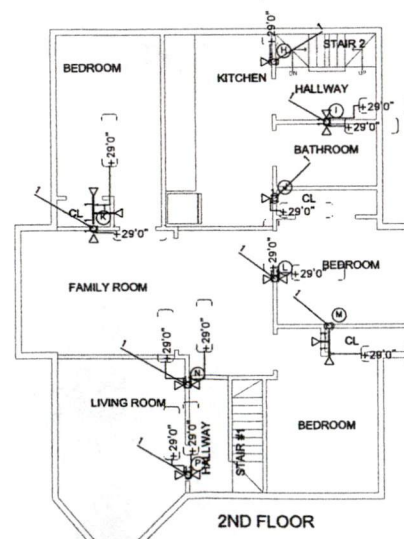
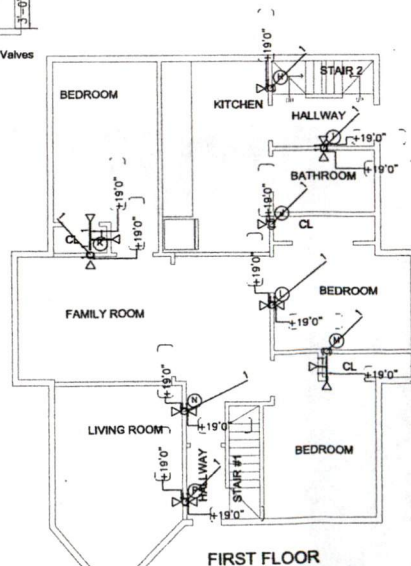
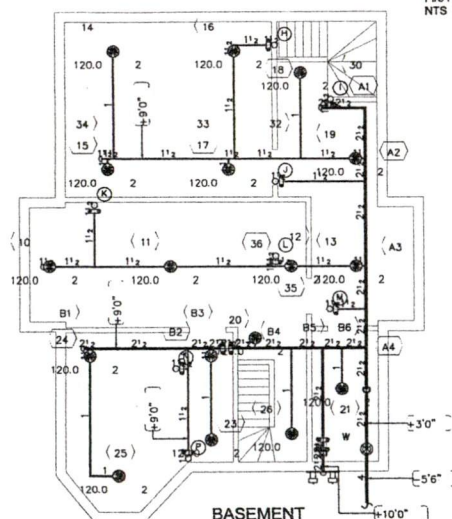
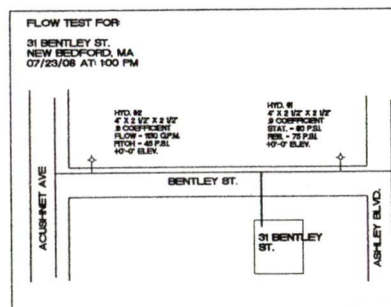
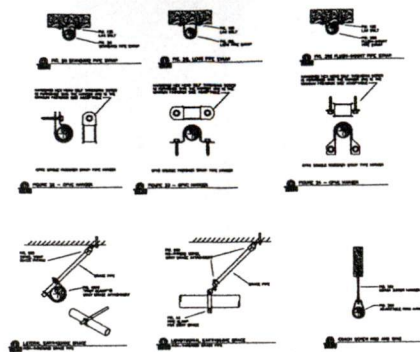
The upsizing of the service line will allow the Fire Sprinkler System to have more safety pressure. The service location in the building has no bearing on how the system functions and is acceptable to be installed on the opposite side of the building.

Attachments are new plans showing 4" DI service into the building with new calculation information showing more safety pressure.

Sincerely,



Chad Dubuc  
Rustic Fire Protection, Inc.

[illegible]

Remote Area 2		Flowing Heads 16		Start Head PSI		13.5
Wet / Dry		Density	1.50	Start Head GPM	18.0	
Hazard	Category 1	Temp	1000	SGT per inch rise	100	
PSI	MPA	Len/Wtd Ratio	120	Ele-Hd-Ht to Rise	(*) 174	
Construction		Max Velocity	19.4	PSI	-Ht to Rise	6.28
Source Name or Location City Supply						
PSI Avail at Source	78.6	GPM Req'd at Source	576	Inside Hose	0.000	
PSI Req'd at Source	49.6	Duration of Source	60.0	Outside Hose	2.500	
Safety PSI	28.9	Rev'd of Source Volume	15508			
Pressure	Available Pressure of 78.6 psi Exceeds Required Pressure of 49.6 psi					
Summation	It is a safe margin of 28.9 psi or 37 % of Supply					
Advanced	Max Density Available		0.1189	PSI loss - TOR to Source 7.19		
Summary	GPM at Max Available Density		723	Risk Indexed 0.000		

Remote Area 1		Flowing Heads 4		Start Head PSI 20.7	
Wet / Dry Net	WT	Density	0.050	Start Head GPM	48.0
Residential	Res	Len	1250	SOFT per Head	320
Code	NFPA 13R	Len/Min Ratio	1:20	PSI to Riser	654
Construction		Max Velocity	11.0	PSI - Hid to Riser	23.6
Source Name or Location City Supply					
PSI Avail of Source	79.9	QSN Req'd at Source	165	Inside Hose	0.000
PSI Req'd at Source	35.8	Duration of Source	30.0	Outside Hose	10.0
Pressure	24.2	QSN Req'd Volume	1844		
Available Pressure of 79.9 psi Exceeds Required Pressure of 35.8 psi					
Flow is at a safety margin of 24.2 psi or 30 % of Pressure					
Advances	Min Density Available	0.060	PSR loss - TOR to Source 5.60		
Surgeance	GPM at Max Available Density	197	Risk Demand 0.000		

<b>Hydraulic information</b>		<b>System Volume</b>	<b>65.8</b>
Static Pressure	80.0	Flow Test Date	07/23/08
Residual Pressure	75.0	Flow Test Location	Benley St
Pressure Loss	5.0	Flow Test	RFP Flow Test
Tank Elevation (Relative to Source Elevation)		0.000	
Tank Pressure	0.000	Available Wall Flow	0.000
Tank Volume	0.000		
Tank Elevation	0'-0"		
Pump Rated Pressure	0.000	Pump Manufacturer	
Pump Rated Flow	0.000	Pump Model	
Pump Elevation	0'-0"		
Construction Combustible		Occupancy Residential	
Authorities Having Jurisdiction		New Bedford Fire Department	

[illegible]

SYM	ORT	POSITION	FINISH	TEMP	R.	WET	DR	RFC	NOTES
●	17	PEND	WHITE	155	4.50	1/2"		RASCO	RFC48
●	30	DRG	WHITE	155	4.40	1/2"		RASCO	PRC344
●	22	PEND	WHITE	155	4.30	1/2"		RASCO	RFC43



**Rustic Fire Protection**  
[www.rusticfireprotection.com](http://www.rusticfireprotection.com)  
 320 West Main St.  
 Norton, MA 02766  
 508-431-9938

31 Bentley St.  
31 Bentley St.  
New Bedford, MA

CONTRACTOR:

<h1 style="text-align: center;">PIPING PLAN of Building</h1>	
PERMIT NO.	
CONTRACT NO.	
APPROVAL	
DESIGNED BY	RAB
SCALE	1/4" = 1'-0"
DATE	8/2008
REVISIONS SUBJECT PLAUSIBLE	FP 1 of 1