

February 9, 2023

Mr. Jim Galloway
City of Pompano Beach
Pompano Beach Fire Prevention
100 West Atlantic Boulevard
Room 220
Pompano Beach, Florida 33060

**RE: OLD TOWN II – ZONE D
6 STORY APARTMENT, & RETAIL BUILDING
208 NORTH FEDERAL HWY, POMPAÑO BEACH, FL 33062
CTA PROJECT NO. 22-0066-001-01**

Dear Mr. Galloway

Please find below our response to Comment No. 2 of your DRC comments:

The proposed building in Zone D consist of Type IB construction with the building equaling a square footage of approximately 116,400 sf which per NFPA TABLE 18.4.5.2.1 "Minimum Required Fire Flow and Flow Duration for Buildings" require a fire flow of 3,750 gpm for 4 hours. Per 18.4.5.3.2, a reduction in required fire flow of 75 percent shall be permitted when the building is protected throughout by an approved automatic sprinkler system. The resulting fire flow shall not be less than 937.50 gpm (3785 L/min). Since our buildings will have an approved automatic sprinkler system, the 3,750 gpm requirement gets reduced to 1,500 gpm. Per the attached fire flow test conducted at the site, the existing system is capable of supplying this requirement (see attached fire flow chart).

If you have any questions, please do not hesitate to contact me at (954) 739-6400 or by email at zgamble@craventhompson.com.

Sincerely,

CRAVEN THOMPSON & ASSOCIATES, INC.

LEONARD Z. GAMBLE, P.E.
Senior Supervising Engineer
Florida Registration No. 65921

LZG/tg

Leonard Z. Gamble

Digitally signed by Leonard Z. Gamble
Date: 2023.02.14 15:41:39 -05'00'

Leonard Z. Gamble, State of Florida,
Professional Engineer, License No. 65921.

This item has been digitally signed and sealed by Leonard Z. Gamble on the date indicated here.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

DRC

PZ22-12000044

03/15/2023



Fire Prevention Fire Hydrant Flow Test



City of Pompano Beach • Bureau of Fire Prevention
100 West Atlantic Boulevard, Room 220 Pompano Beach, FL 33060
Phone: (954) 786-4695

City of Pompano Beach Fire Prevention will **WITNESS** all fire hydrant flow test that are required for fire flow purposes.

- City of Pompano Beach Code of Ordinances Title IX Chapter 95 Section 95.14(G). Fire hydrant flow tests.
- The Fire Department shall witness all hydrant flow tests as required for fire protection systems.
- All fire flow tests shall be in accordance with NFPA 291 and Broward County Amendments F-112.
- Broward County Amendments F-112(e) - The static pressure at the water main shall be determined by a recorded method for a minimum twenty-four (24) hour period.
- Morning of fire Hydrant static/residue connection contractor to provide documents of test equipment certification.

Information:

Date:	1/17/23
Company Requesting Flow Test:	Brothers Fire Protection
Contact Name:	Gene Detore
Contact Phone Number:	954-856-5133
Email Address:	gene@brofire.com
Associated Application Number:	
Associated Project Name:	Zone A,B,C,D,E

Proposed Date/Time for Fire Hydrant Flow Test: (8am - 9am)

- Request Hydrant Flow Test minimum 72 hours in advance.
- Connection of Fire Hydrant for 24 hour static/residual must be between 0730hrs and 0830hrs.

Requested Date:	1/24/23	Time:	8:00AM
Alternate Date:	1/25/23	Time:	8:00AM

Fire Hydrant Flow Test Location: See Map "Flow Test #3" for reference

Hydrant Location - Static/Residual:	NW corner of NE 2nd St. and NE 2nd Ave
Hydrant Location - Flow:	NE corner of NE 1st St. and NE 2nd Ave

Fire Hydrant Flow Test Witness Fee:

There is a \$150.00 fee for performing each flow test. All tests will be completed within 5 business days. Please include map/sketch showing streets/cross streets & locations of flow and residual fire hydrants. Return flow test application to the Bureau of Fire Prevention with form of payment for \$150.00.

Make check and money orders payable to "CITY OF POMPANO BEACH"
If mailing in application with payment send to the addressed listed below.

Pompano Beach Fire Prevention
100 W. Atlantic Blvd. - Room 220
Pompano Beach, FL 33060

NOTE TO TREASURY: Post to 001-0000-367.30-00

	Yes	No	
Flow Test Equipment Certification:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Date: 01-31-2023

Fire Hydrant Id	Flow Pitot PSI	Flow GPM	Static Pressure 24 hr. Low PSI	Static Pressure Before Flow	Residual PSI During Flow	Tip Size
	68	1280 GPM				2 1/2"
			68 psi	74 psi	71	
Total Hydrant Flow:						

- Fire Flow Data to be completed and entered on site.
- Fire flow data provided to Fire Prevention at a later date, must be signed/sealed by the Engineer of Record.

Person Conducting Flow Test: Eugene Detore
Fire Inspector Witnessing Flow Test: 6653

DRC

PZ22-12000044
03/15/2023



Fire Flow Report

City of Pompano Beach • Bureau of Fire Prevention
100 West Atlantic Boulevard, Room 220 Pompano Beach, FL 33060
Phone: (954) 786-4978



Date: ____/____/____ P.R.A. Number: _____
Project Name: _____
Project Address: _____
Contact Name: _____
Company Name: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Phone Number: _____ Fax Number: _____
Email Address: _____

Proposed Building Information:

- ❖ Fire hydrant flow test must have been completed within a 12 month period for the address or project.
- ❖ Fire Flow. The flow rate of a water supply, measured at 20 psi residual pressure that is available for firefighting.
- ❖ Fire Flow Area. The floor area, in square feet, used to determine the required fire flow.
- ❖ A reduction in required fire flow of 75 percent shall be permitted when the building is protected throughout by an approved automatic sprinkler system. The resulting fire flow shall not be less than **1000 gpm**.

Building Type and Size – As per NFPA Building Type Classifications (Refer to NFPA 1 chapter 18, Table 18.4.5.1.2 and Annex I)

Building Construction Type: _____
Gross Square Footage (Fire Flow Area): _____
Construction Type I(442), I(332), II(222) Square Footage of three largest floors: _____
Building Sprinkled: Yes: <input type="checkbox"/> No: _____
Required Fire Flow (GPM): _____
Fire Flow 75% Reduction (GPM): _____
Number of Hydrant Required: _____

Construction Cross Reference:	
I(442)	
I(322)	IA
II(222)	IB
II(111)	IIA
II(000)	IIB
III(211)	IIIA
III(200)	IIIB
IV(2HH)	IV
V(111)	VA
V(000)	VB

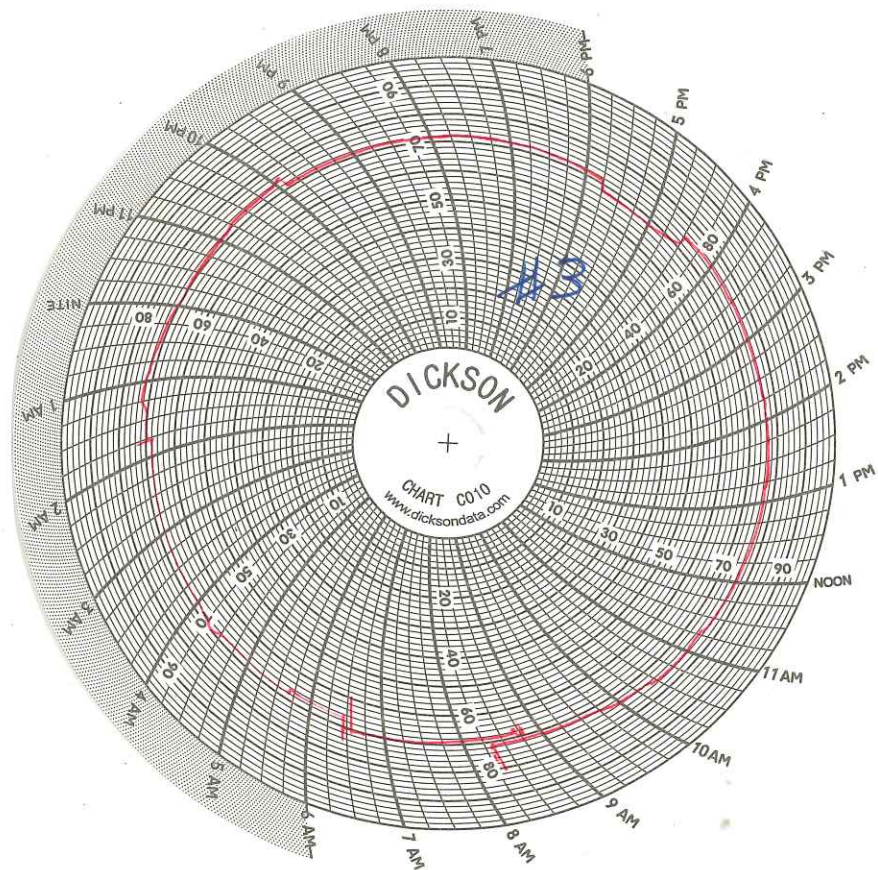
New Site Development:

- Label all existing/proposed water main sizes and location.
- Point of connections to public water.
 - Minimum two connections (looped system) for projects with a combination of multiple fire hydrants or systems that supply hydrants, fire sprinklers and domestic water supply.
- Fire hydrants and fire sprinkler supplies must have a separate taps on a looped supply.
- Location of minimum required fire hydrants.
 - Private hydrants painted silver.
 - Blue road marker in center of road lane.
- Location/size of fire sprinkler undergrounds.
- Location of fire sprinkler fire department connection.
 - Red road marker in center of road lane.

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