

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, POMPANO 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](mailto: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: | 8:00 AM |

**Fire Hydrant Flow Test Location:** See Map "Flow Test #3" for reference 210 NE 3rd St.

|                                     |  |
|-------------------------------------|--|
| 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

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

| 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                       |          |
| <b>Total Hydrant Flow:</b> |                |          |                                |                             |                          |          |

- 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.

Gene Detore 6653  
 Person Conducting Flow Test: \_\_\_\_\_ Fire Inspector Witnessing Flow Test: \_\_\_\_\_

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)<br>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   |

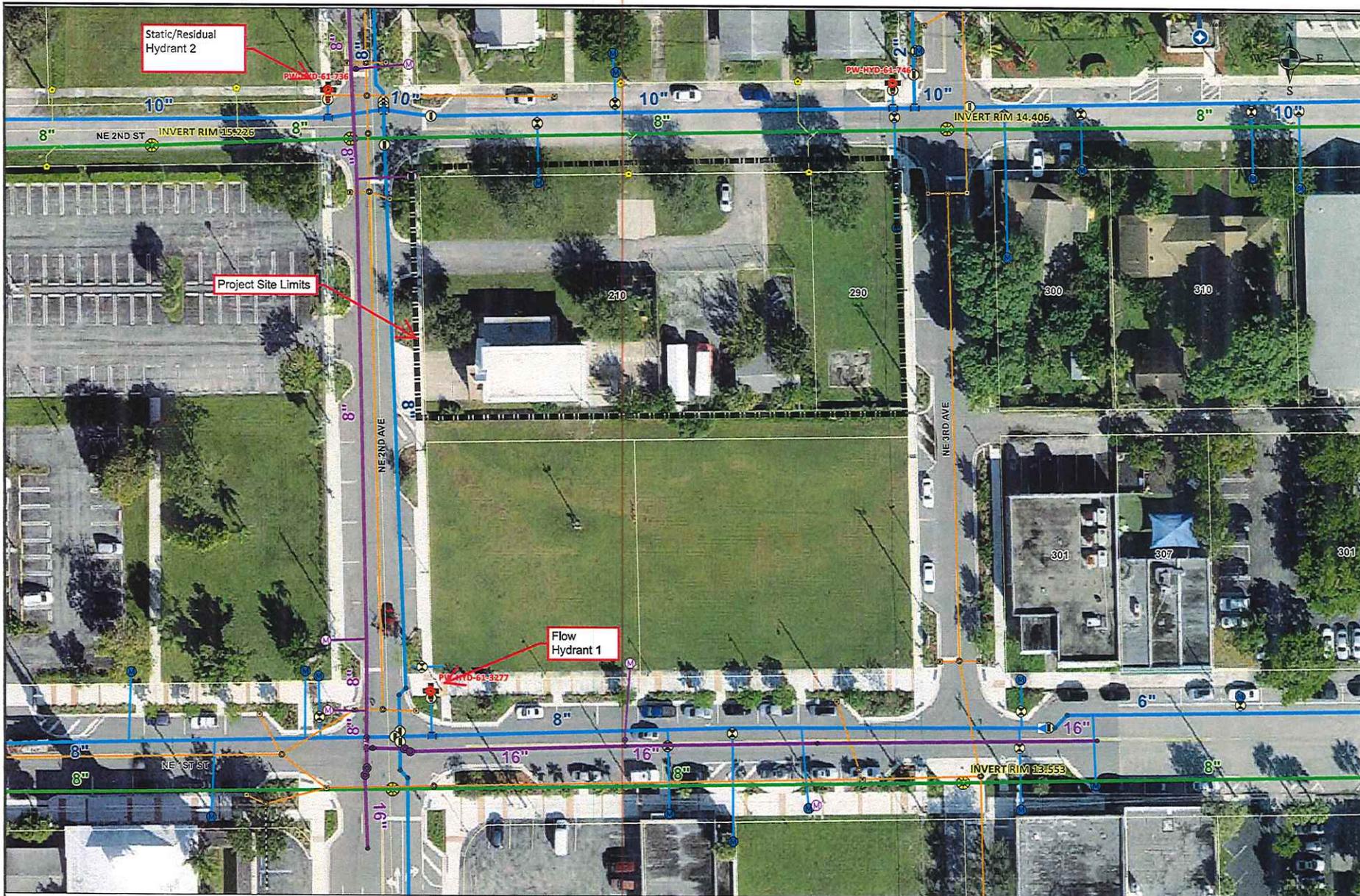
### New Site Development:

- 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.

# DRC

PZ22-12000044

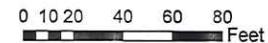
03/15/2023



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### City of Pompano Beach Utilities

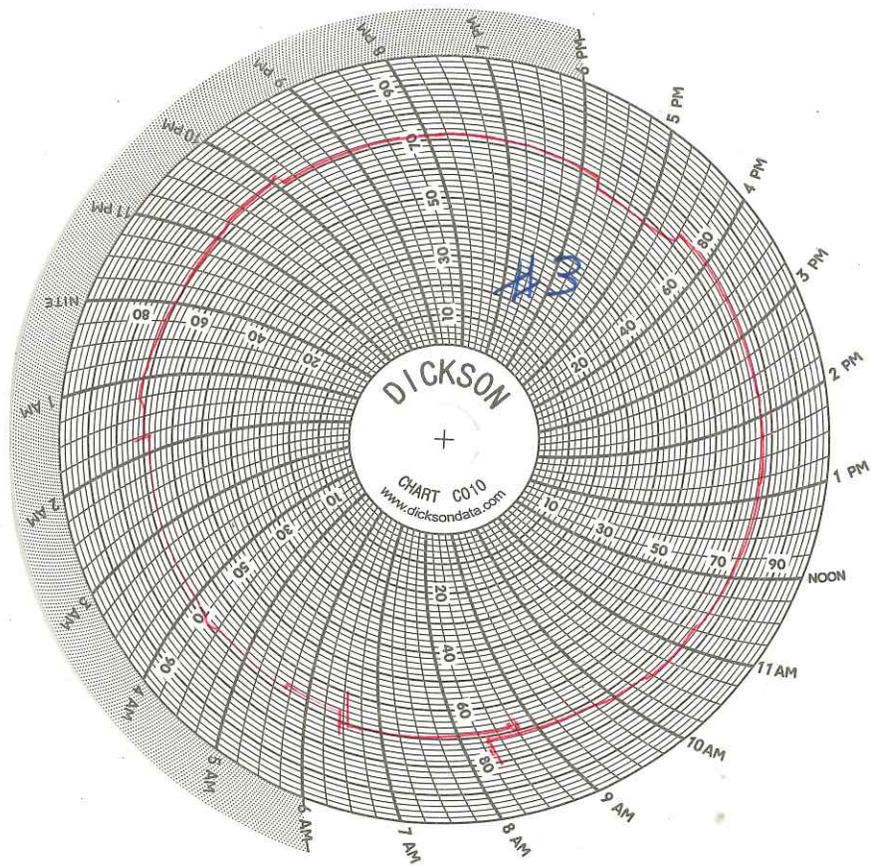
NE 4th St / NE 2 Ave and NE 3 Ave



# DRC

*Flow test #3*

PZ22-12000044



**DRC**

PZ22-1200044

03/15/2023