NORTH CITY WATER DISTR ERTIFICATE OF WATER AVAILABILITY NUMBER sk Order #1492

RECEIVED
APR 28 2016
City of Lake Forest Park

17711 Ballinger Way NE
Lake Forest Park, WA 98155
Telephone: (206) 364-7711

Lake Forest Park

CITY OF LAKE FOREST PARK CERTIFICATE OF WATER AVAILABILITY

Do not write in this box	
Number	Name

☐ Building Permit ☐ Preliminary Plat or PUD
☐ Short Subdivision ☐ Rezone or Other _____

Applicant's Name Plats Financial Group
Proposed Use A 4-lot short plat intended for SFR
Location 3035 NE 195th ST, LFP

(Attach map and legal description if necessary)

WATER PURVEYOR INFORMATION

1. a. ☒ **Domestic Service Only:**
Water will be provided by service connection only to an existing 8" (size) water main 40 feet from the site.

b. ☒ **Domestic, Fire and Other Service: (See back of form)**
Water service will require an improvement to the water system of:
☐ (1) _____ feet of water main to reach the site; and/or
☐ (2) the construction of a distribution system on the site; and/or
☒ (3) other (describe) improvement may be required, depending on fire flow requirement

2. a. ☒ The water system is in conformance with a County approved water comprehensive plan.
OR b. ☐ The water system improvement will require a water comprehensive plan amendment.

3. a. ☒ The proposed project is within the corporate limits of the district, or has been granted Boundary Review Board approval for extension of service outside the district or city, or is within the County approved service area of a private water purveyor.
OR b. ☐ Annexation or BRB approval will be necessary to provide service.

4. a. ☒ Water is/~~or will be~~ available at the rate of flow and duration indicated below at no less than 20 psi measured at the fire hydrant Adjacent to property from the building/property (or as marked on the attached map):

Rate of Flow	Duration
☐ Less than 500 gpm (approx. _____ gpm)	☐ less than 1 hour
☐ 500 to 999 gpm	☐ 1 hour to 2 hours
☐ 1,000 gpm or more	☒ 2 hours or more
☐ flow test of _____ gpm	☐ other _____
☒ calculation of 1500 gpm	(Commercial Building permits require flow test or calculation)

OR b. ☐ Water system is not capable of providing fire flow.

COMMENTS/CONDITIONS: (1) The fire flow requirement for the applicant's proposed project must be determined to identify if improvements to the District's system are necessary. (2) This is not an application for or approval of water service to the proposed site. A proper application must be filed with and accepted by the District before service will be provided. The District has a connection charge (also called general facilities charge) and meter installation charge for each new water service provided. It is recommended that the applicant consult with the District to obtain applicable fees, charges, and procedures which may change during the property development process.

I hereby certify that the above water purveyor information is true. This certification shall be valid for one year from date of signature.

NORTH CITY WATER DISTRICT	Denny Clouse
Agency Name	Signatory Name
Operations Manager	Denny L Clouse 11/18/15
Title	Signature Date

ADDITIONAL INFORMATION FOR EACH NUMBERED ITEM ON FORM FRONT

1A. Domestic service only is referenced in this item, 1A. Domestic service is for in-house consumption only and excludes fire protection.

1B. Service for a combination of domestic, fire and other conditions is referenced in this item.

4A. A computer analysis of the District's water system was performed for the purpose of determining the available water supply to fight a fire at the project location described above. This analysis was based on the District's existing water system, without any development related improvements. The results of the analysis indicate the fire flow capacity of the District's existing system as shown on this form at a minimum residual pressure of 20 psi at all points throughout the distribution system. Actual fire flows may vary due to water system configuration changes, time of day, demands on system, and operational parameters.

A summary of the operational conditions used in the analysis follows:

- The District was experiencing buildout peak day demand conditions.
- Supply Stations 1 and 3, 660 Zone Booster Pump Station, and Booster Stations 1 and 2 were operating. Supply Station 3 connected to 492 Zone.
- The 3.7 MG Reservoir level was drawn down __34.5__ feet, and the 2.0 MG 424 Zone Reservoir level was drawn down __19__ feet.
- All pressure reducing stations were operating at their normal setpoints.
- WAC 246-290-230 (6) Distribution systems – If fire flow is to be provided, the distribution system shall also provide maximum day demand (MDD) plus the required fire flow at a pressure of at least 20 psi (140 kPa) at all points throughout the distribution system, and under the condition where the designed volume of fire suppression and equalizing storage has been depleted.
- Maximum allowed velocity in the distribution system is 10 feet per second during peak day demand and fire flow conditions.