

## Standard Conditions of Approval – Water Department

- A. CODE REQUIREMENTS.** All code requirements as stated in Title 11 of the Vallejo Municipal Code (VMC) and Vallejo Standard Specifications and Standard Drawings adopted in 2011 (VSSSD) that apply to this project shall be conformed to. The project is being made aware of codes that require extra attention by the following items.
- 1. WATER SYSTEM PLANS (VSSSD Section 4.1).** All water system improvements shall be consistent with the latest Vallejo Water System Master Plan, prepared by Kennedy/Jenks Engineers. Prior to Improvement plan approval and building permit issuance, water system improvement plans shall be submitted to the **Water Department** for review and approval, and shall contain at least:
    - a. Location and size of fire sprinkler service connection(s).
    - b. Location and size of existing and proposed domestic service connection(s).
    - c. Location and size of irrigation service connection(s), if any.
    - d. Location of fire hydrants.
    - e. Location of structures with respect to existing public water system improvements, such as mains, meters, etc.
    - f. Location and size of any new water mains.
    - g. Location and size of backflow prevention devices (required on water service connections to irrigation systems, certain commercial water users, and to commercial fire sprinkler systems, per City Ordinance 922 N.C. (2d).
  - 2. FIRE FLOW REQUIREMENTS (VSSSD Section 4.1).** Fire flow requirements of the Fire department shall be complied with. Fire flow at no less than 25 psig residual pressure shall be available within 1,000 feet of any structure. One half of the fire flow shall be available within 300 feet of any structure.
    - a. For single family residential units, the fire flow is 1,500 gpm.
    - b. For other developments, see the Vallejo Water System Master Plan, 2015, prepared by Kennedy Jenks.
  - 3. HYDRAULIC CALCULATIONS (VSSSD Section 4.1).** Prior to Improvement Plan and building permit issuance, hydraulic calculations shall be submitted to the **Water Director** demonstrating that the fire flow requirements are complied with.
  - 4. FIRE PROTECTION SYSTEMS (VSSSD Section 4.1).** Fire hydrant placement and fire sprinkler system installation, if any, shall meet the requirements of the Fire Department. For combined water and fire services, the requirements of both the Fire Department and the Vallejo Water System Master Plan, with latest revisions, shall be satisfied.
  - 5. WATER EASEMENTS (VSSSD Section 4.1).** Easements shall be granted for all water system improvements installed outside the public right-of-way in the City's Standard Form for Grant of Water Line Easement with the following widths:
    - a. 15 ft. wide (minimum) for water mains.
    - b. 10 ft. wide (minimum) for fire hydrants, water meters, backflow preventers, double detector check valves, etc.
    - c. Other facilities will be reviewed by the Water Department.
  - 6. WATER METERS (VMC 11.04.110 and 11.16.090).** Each parcel shall be metered separately and shall have a separate fire sprinkler service connection.
  - 7. WATER SERVICE BONDS AND FEES (VMC Sections 11.16, 11.18, 11.20 and 11.24).** Water service shall be provided by the City of Vallejo following completion of the required water system improvements and payment of applicable fees. Performance and payment bonds shall be provided to the City of Vallejo prior

to construction of water system improvements. Fees include those fees specified in the Vallejo Municipal Code including connection and elevated storage fees, etc., and fees for tapping, tie-ins, inspections, disinfection, construction water, and other services provided by the City with respect to the water system improvements. The Water Department may be contacted for a description of applicable fees. These fees have to be paid prior to issuance of the building permit.

**B. CONDITIONS OF APPROVAL**

1. Apply and pay for Fire Flow Test with the Water Department in order to determine operation of sprinkler system and final service size.
2. Provide water meter and service sizing calculations per most recent California Plumbing Code, include a water fixture count table.
3. As of January 1, 2018, all units in multi-family, commercial, or combination thereof, buildings shall be individually metered (if existing plumbing allows or is re-configured) by the City, additional meters at the owner/applicant's expense; or, master metered by the City, and sub-metered by the property owner, with approved/certified meters. Per California Senate Bill 7 (SB7).

- C. **WATER SYSTEM INSTALLATION.** Prior to occupancy or final building inspection, install water system improvements as required. Backflow device/s where required shall be installed in areas hidden from public view and/or shall be mitigated by landscaping.