BALBOA RESERVOIR INFRASTRUCTURE PLAN,

SFFD Comments balboa reservoir infrastructure plan

1. **6.2.4 Fire Department Access, 6.3.2 Roadway Dimensions**
   a. Section 6.3.2 Roadway Dimensions indicate that the street widths varying from 22 to 34 feet. Please revise to be minimum 26 feet unobstructed fire access road.
   b. Aerial ladder access is between 15 feet to 30 feet from building facade to truck turn table. Please apply for AB-005 for equivalency if it exceeds the limit and it will be reviewed and approved by SFFD.
   c. Please Confirm and indicate that the fire access road shall be 26 feet unobstructed street clear width without Loading zones if adjacent buildings are more than 40 feet tall.
   d. Townhouse Buildings: Please confirm and indicate this Balboa Reservoir Infrastructure Plan does not including the Fire Department Access for Townhouse Buildings. Or Please provide an unobstructed fire access road clear width of not less than (20) feet for all streets serving the townhouse buildings where the townhouse buildings are less than (40) feet in height. Please indicate this Balboa Reservoir Infrastructure Plan not including the Fire Department Access for Townhouse Buildings.
   e. Buildings H. Please show the fire access for buildings H. Please Confirm that an unobstructed fire access road clear width of not less than (26) feet shall be provided at the frontage street of buildings H, where buildings H are greater than (40) feet in height. Or an unobstructed fire access road clear width of not less than (20) feet shall be provided, where buildings H are less than (40) feet in height.
   f. In Group R occupancies type III B and type V construction, shall be provided with emergency escape and rescue from basements containing one or more sleeping rooms and sleeping rooms below the fourth story above grade plane. Such openings shall open directly into a public way or to a yard or court that opens to a public way. Please Confirm.

2. **Figure 6.8 – Fire Access Plan.**
   a. Revise the Figure 6.8 – Fire Access Plan. Please Revise the proposed legend from

LEGEND

- FIRE ACCESS ROAD AND STAGING AREA
- ≤150' FIRE TRUCK ACCESS
- PROPOSED LOW PRESSURE WATER FIRE HYDRANT
- EXISTING LOW PRESSURE WATER FIRE HYDRANT
- PROPOSED FIRE DEPT STAND PIPE OUTLET
- PROPOSED AUXILIARY WATER SUPPLY SYSTEM FIRE HYDRANT

Please Revise Revise the Figure 6.8 – Fire Access Plan to be:

LEGEND

- FIRE ACCESS ROAD with Minimum of 26 feet unobstructed width.
- ≤150' FIRE TRUCK ACCESS With Minimum of 26 feet Clear width.
- PROPOSED LOW PRESSURE WATER FIRE HYDRANT
- EXISTING LOW PRESSURE WATER FIRE HYDRANT
- PROPOSED FIRE DEPT STAND PIPE Inlet
- PROPOSED AUXILIARY WATER SUPPLY SYSTEM FIRE HYDRANT

3. **9.2.2.1 Fire Flows.**
   a. Please provide the fire flow analysis required based on the building area and the type V-A construction per Appendix B of the San Francisco Fire Code.

4. **9. LOW PRESSURE WATER SYSTEM**
   a. The low pressure water system indicate that the available fire flow at 20 psi is 1,630 gpm, Please provide the fire flow analysis based on the building area and the type V-A construction per Appendix B of the San Francisco Fire Code to insure that the available fire flow 1,630 gpm is greater than the the required fire flow.

5. **Table 9.1. Water Demands.**
   b. The proposed Table of water demand indicate that the the required fire flow is 1,500 gpm. Please revise the required fire flow and submit the fire flow analysis based on the building area and the type V-A construction per Appendix B of the San Francisco Fire Code.

6. **Figure 9.2 – Proposed Fire Hydrant Locations Plan.**
   a. Please revise the proposed fire hydrant locations plan, please show hydrant coverage. Please remove the flow coverage by the proposed fire department stand pipe INLET.
   b. Please change the name from proposed fire department stand pipe outlet to be proposed fire department stand pipe inlet.

7. **11. AUXILIARY WATER SUPPLY SYSTEM (AWSS).**

   - AWSS system (auxiliary) under support services fire department. Please coordinate with Chief Rivera for AWSS system (auxiliary).

Kamal

Kamal Andrawes, SFFD

MAY 02 2019

Capt.

Michael Patt, SFFD

MAY 02 2019