WATER MAINS UNDER STRUCTURES

No water mains shall be located beneath a structure.

LOOPED LINES AND FLUSHOUTS

All water mains shall be looped. Where dead-ends are necessary or temporary, provisions for flushing shall be included. Maximum length of dead-end lines shall be limited to 660 feet. Approval will be required from the General Manager to deviate from these Standards. No flushing device shall be connected directly to a sewer. Flush-out assembly and size required to be determined by Riverside Highland Water Company.

Fire hydrants may be used for flush-out, where applicable, and upon approval by the General Manager.

VALVES

Provide sufficient valves to permit isolation and repair of leaks and breaks in accordance with good water works practice. Provide at least two (2) valves at each 3-way junction and at least three (4) valves at a 4-way junction. For transmission lines, no length of pipe greater than 1,000 feet or as required by Company shall be left without valve control. A valve box shall be provided for all valves below grade and shall conform to Riverside Highland Water Company Standards. Control valves shall be Resident wedge gate valve unless noted otherwise on approved plans, 16 inch and larger shall be butterfly valves.

FIRE HYDRANTS

Fire hydrants shall be a minimum 6” diameter and spaced along domestic distribution mains at 300’ intervals:

Spacing of fire hydrants shall not exceed the above maximum distances, but fire hydrants may be spaced at closer intervals in conformance with requirements of local fire control authorities. Fire hydrant installation assemblies shall conform to Riverside Highland Water Company Standards.