



6.o Utility Element

- 6.1 Storm Drainage
- 6.2 Water Service
- 6.3 Sanitary Sewers
- 6.4 Conclusion

This Chapter describes the storm drainage, water and sanitary sewer systems needed to support the implementation of the Whittier Boulevard Specific Plan. It also includes policies and standards for improvements and mitigating impacts to these systems.

6.1 Storm Drainage

a. Existing Conditions and Resources

Storm drainage facilities exist within the Whittier Boulevard Specific Plan area. Most of the storm drainage system is owned and maintained by the Los Angeles County Department of Public Works Flood Control District.

The system consists of drain inlets and pipes ranging from 18-inches to 84-inches in diameter. Currently, the existing system is capable of handling most rainstorm runoff from the area north of the Boulevard. During periods of heavy rainfall, minor flooding has been observed along the gutter and parking lane of Whittier Boulevard. Some improvements to the drainage system within the Specific Plan area are needed to provide adequate relief of heavy storm water runoff.

b. Storm Drainage Improvement Policies

Policy 1:

The storm drainage system should be able to prevent uncontrolled storm water runoff within the Whittier Boulevard Specific Plan area, under both existing and future conditions.

Policy 2:

Developments along the Whittier Boulevard Specific Plan area will need to provide for the design and construction of storm drainage improvements in a manner acceptable to the City Engineer or the Los Angeles County Department of Public Works Flood Control District, based on adopted City Plans.

These improvements include, but are not limited to, connecting onsite drainage to City streets' drainage systems. Hydraulic and hydrology calculations and studies should be submitted to the City Engineer to evaluate the need and capacity of the new storm drainage system.

Policy 3:

The City should develop a Storm Drainage Master Plan in conjunction with the Whittier Boulevard Specific Plan.

6.2 Water Service

a. Existing Conditions and Resources

Water for domestic, municipal, industrial and other uses in the Whittier Boulevard Specific Plan area is readily obtainable. The City provides treatment of water extracted from City-owned wells in the Whittier Narrows Dam Area. Approximately 60 percent of the Specific Plan area's water is supplied by the City's Water System. Two other water suppliers, namely, Suburban Water Systems Company and San Gabriel Valley Water Company, supply water for the rest of the Whittier Boulevard Specific Plan area. The City Water System has adequate water for future use within the Specific Plan area. The entire water supply system along Whittier Boulevard consists of pipes sized from six-inches to 24-inches in diameter.

b. Water Service Improvement Policies

Policy 1:

Water service to all properties shall provide for sufficient water quantity, pressure and reliability in order to meet all needs including fire protection flow standards.

Policy 2:

The water system in a development area should be evaluated for the requirement of additional parallel lines, looping, upsizing or rerouting of some of the distribution facilities. More intense development demands more service and may push an individual area over the threshold for upsizing facilities. Developments within the service areas of Suburban Water Systems and San Gabriel Valley Water Company should also be evaluated by those companies for system improvement needs.

Policy 3:

Developments along the Whittier Boulevard Specific Plan area will need to provide for the design and construction of water improvements in a manner acceptable to the City Engineer based on the recommendations of the Whittier City Water Master Plan, Suburban Water Systems and San Gabriel Valley Water Company

6.3 *Sanitary Sewers*

a. Existing Conditions and Resources

The City's sanitary sewer system collects effluent discharge into trunk lines and directs the flow to the County of Los Angeles sanitation system. The entire Whittier Boulevard Specific Plan area is served by City's sewer main lines with six-inch to 10-inch diameters. Most of the system is at maximum design capacity. Development along Whittier Boulevard may require improvement of the sewer system to meet the need for added capacity

b. Sanitary Sewer Improvement Policies

Policy 1:

All properties served by sewer lines and sewer mains are to be of adequate size and design to move sewage to the City's sewer mains in a sanitary and reliable manner.

Policy 2:

The City shall provide Capital Improvement Program funding to implement its responsibilities under Policy 1 above, in particular in the Whittier Boulevard Specific Plan area.

Policy 3:

For new developments within the Whittier Boulevard Specific Plan area, hydraulic capacity calculations should be submitted as part of the plan check process to determine if the existing sewer mains serving the proposed development have available capacity for the additional demands. If capacity is not available, existing sewer mains should be replaced with adequate sized mains or relief sewer mains shall be designed and added to the system

6.4 *Conclusion*

The impacts of the implementation of the Whittier Boulevard Specific Plan can be mitigated by development responding to City standards in infrastructure upgrades at the time of construction. The policies stated in this section are intended to not only ensure adequate services be provided to all users but also protect the health and welfare of all Whittier citizens.