



SHARED ACCESS DEVELOPMENTS CHECK LIST FOR WATER AND WASTEWATER REVIEW

**This checklist is to supplement the W/WW Engineering Design Checklist and should be included in your submittal.*

- Water and wastewater (W/WW) mains are in a 12-ft wide exclusive water and wastewater easement centered inside the shared access easement. No other utilities private or public are allowed inside the water and wastewater easement. W/WW easement should have bearings and dimensions shown on plans.
- W/WW mains are 5-ft apart and are centered inside the 12-ft W/WW easement.
- W/WW mains should follow the drive pavement. Alignment of wastewater mains in curved drives is a concern as horizontal curves are not allowed which makes placement of the wastewater main inside the 12-ft wide Shared Access easement impractical.
- Water mains are 6-in in size inside the shared access. Embedment for water mains shall be class "B-5" embedment. Minimum depth of water mains shall be per DWU standards;
 - 4-ft under permanent pavement and 6-ft under unimproved surfaces.
- Fire hydrants are not allowed inside shared access easement.
- Wastewater mains are 8-in in size. Maximum depth is 10-ft. Deeper mains shall require easement widths as per DWU Design Manual. Due to small flows, the minimum slope on dead-end mains should be sloped to provide a minimum velocity of 2 fps.
- Wastewater pipe is PVC (SDR-26) ASTM 2241, class 160. Embedment for wastewater mains is cement stabilized sand embedment.
- Water mains are used for shared access development use only and are not to stub out for future extension for adjacent land.
- Engineering plans show the location of the water meter and wastewater lateral cleanout for each lot.
- Wastewater mains inside the shared access are intended to serve the shared access development only and are not to stub out for future extension for adjacent land.
- Excessive depth (more than 10-ft) of wastewater mains shall require a wider water/wastewater easement than the 12-ft wide water and wastewater easement.
- Min. vertical clearance over water and/or wastewater easement is 18-ft.
- Shared Access agreement is to be approved by City Attorney and recorded before water connections are allowed.
- No parking is allowed over the water/wastewater easement. Clearly show parking.
- Dead-end water mains shall have an automatic flush point with available access to the WW main (no manual flush point shall be used).
- Shared Access Developments larger than 36 lots will require an in-depth coordination (by the designer) with franchise utilities prior to plan approval.
 - Franchise utilities shall cross perpendicular to W/WW mains and will be consolidated and limited in the number of crossing along the drive.
 - A separate utility coordination plan sheet is required to show the proposed designated crossing as well as types of.
 - Water/wastewater plans shall show easements for their facilities where applicable.
- Water meters shall not be placed in the driveway, in front of door/entrance or drive pattenr.