

SUPPLEMENTAL NARRATIVE TO THE PRELIMINARY PLAN  
Stagecoach Estates Residential Subdivision

Buried Utility Engineering Notes:

1. Minimum pipe diameter for both the culinary and secondary water-lines shall be 8" PVC. All piping shall conform to AWWA C900-07, ASTM F477, and ASTM D3139 standard for high pressure water pipe with a minimum pressure class of 165 psi (DR18) with ring-tite joints.
2. All fire hydrants shall meet ANSI/AWWA C502 standards for the manufacture of all castings, mechanical parts, seals, and hydrostatic operational pressures. Fire hydrants shall be 8" Mueller Co. Super Centurion or equal.
3. All mechanical valving and miscellaneous piping appurtenances shall have mechanical joints and conform to the general standards as given in ANSI/AWWA C515 for high pressure water distribution applications.
4. Minimum pipe diameter for the sanitary sewer shall be 10" PVC. All piping shall conform to ASTM D3034 SDR 35 with push-on ring-tight joints.
5. Storm drain pipe diameters shall be determined from both a hydrologic runoff evaluations of return year precipitation events as applied to the proposed subdivision and hydraulic evaluations of runoff collection and conveyance piping systems.
6. Storm drain pipe shall conform to ASTM C76 standards for Class III reinforced concrete pipe.
7. Storm drain appurtenances shall conform to APWA, ASTM C-858 and UDOT standards for storm drainage collection and conveyance applications.