



## **Utility Construction Plan Notes**

1. Contact Building Department for determination of permit fees and application for Commercial Utility Services. **(650) 558-7260**
2. Obtain Encroachment Permit for street at Engineering Department. **(650) 558-7230**
3. Inspections required: Material inspection before excavation, Hot Tap, Thrust Blocks, Hydro Test, and Final. by Water Division. Contact the Water Division for scheduling. **(650) 558-7683**
4. 2" Service and under, to be installed by City Water Division after appropriate fees are paid. Contact City Water Division to disconnect all unused existing water meters and water services
5. Provide detailed Utility Sheet showing existing utility locations, and location, size and material of proposed new utility connections.
6. City Water Division to approve exact location of street crossing of water service line. Underground system to be tested at 200PSI for 2 hours. New domestic water pipe installs require disinfection and testing to AWWA standards, witnessed by Burlingame Water Division, and system flush (5 minute minimum). Owner/Contractor must comply with the Municipal Regional Stormwater Permit(MRP) for Discharge Water.
7. City of Burlingame Water System Standard Specifications available at [www.Burlingame.org](http://www.Burlingame.org) (Departments >Engineering > City Standard Details > Water Division Specifications and Standard Drawings)
8. Show detail for any irrigation system and location of proper USC approved backflow device. Specify size, manufacturer and model on drawing
9. Backflow prevention system must be tested and tagged by a San Mateo County "Certified Backflow Tester" before final approval by Water Division. For a list of certified testers visit <http://smchealth.org> or call **(650) 363-4710**

## **Underground Fire Notes**

1. Show detail for a USC Approved Double Check Detector Assembly. Specify size, manufacturer and model. Must be installed above ground at property line.
2. Double check detector assembly, must be installed above ground in back of sidewalk before post indicator valve and F.D.C. (post indicator valve not required when DCDA is installed with indicating valves and electronic monitoring)
3. Fire Department Connection riser must be fusion epoxy coated ductile iron spool. No galvanized pipe will be allowed.
4. Install concrete thrust blocks behind tapping tee and at elbows or any change of direction in underground piping including Fire Department Connection riser.
5. \$350.00 bypass meter fee to be paid to City Water Office for bypass meter installation before any excavation begins.
6. All underground ductile iron (pipe, fittings, ect.) shall be fusion epoxy coated (12 mil. minimum), and all bolt up hardware to be 316 stainless steel.
7. Pipe type for Fire Line must be C-900 Class 200 per City specifications. Provide location (tracer) wire over PVC piping; see typical trench section detail. Piping under foundation/footings to be Ductile iron flange to flange.
8. Typical Hot Tap materials include: Mueller tapping valve and JCM 316 Stainless Steel Tapping Tee with Christy G5 Valve box and Lid marked "Water". Tapping Contractor to be approved by the City Water Division.
9. Stainless Steel tapping tee to have stainless steel test plug on top and Mueller valve to have stainless steel hex nut holding bronze operating nut.