

GENERAL NOTES FOR PLAN CHECKING UTILITY PLANS

PLAN SET

- Show a title block sheet with a legend, symbols, abbreviations and a table of plan sheets.
- Show correct north arrow direction and scale on all plan sets.
- Show revision numbers with each plan set re-submission.
- No disclaimers such as proprietary information on all plan sets.

EXISTING FACILITIES

- Show width of ROW for City streets, Caltrans, R/R, SCVWD and VTA.
- Show traffic signals, loops and service cabinets.
- Show all known utilities: sanitary sewer (SS) & storm drain (SD) mains, water lines, gas and electric, CATV, fiber optics, telecommunications, etc.
- Show sizes of all relevant SS, SD, water, gas and electric lines.
- Show all pull boxes or manhole (MH) conflicts with driveways, entrances/exits, or cross streets.
- Show location and dimension of all facilities (lines) from nearest face of curb (FOC).
- Show existing porkchop or median island, curb and gutter, parkstrip area, sidewalk, and property line.
- Show trench section and number of ducts.

PROPOSED FACILITIES AND DESIGN GUIDELINES

- Show any conflict with other utilities and identify pothole areas at all utility crossings.
- Utilities under bus pads may be allowed and the plans must be pre-approved by the City engineer.
- Indicate material of pullbox or manhole (MH) covers to be used. CSJ only allows pre-cast iron MH.
- Fiberglass MH covers are only permitted within the sidewalk since these materials are not traffic rated. Otherwise, traffic rated pullboxes must be used.
- No bore pits are allowed in front of driveways or street intersections.
- Utilities are required to be within 2 -10 feet from FOC as much as possible. Center of streets are reserved for gravity flow facilities such as storm and sanitary sewer mains.
- In downtown area, manholes in sidewalk must be within 4 feet from back of curb (BOC).
- Identify any R/R, Caltrans, VTA, SCVWD permit issues at crossings.
- Three (3) sets of plans are required for every permit application submitted for review and approval.
- All trench work shall be in the street. Sidewalk and parkstrip areas are designated for utility vaults and similar utility subsurface structures.

- Maintain one (1) foot horizontal clearance from centerline of proposed new conduit to centerline of other existing utilities (excluding gas and water mains) for hand dig operation only as required by Underground Service Alert (USA).
- Maintain two (2) feet horizontal clearance from centerline of proposed new conduit to centerline of existing utilities (excluding gas and water mains).
- Maintain two and a half (2.5) feet horizontal clearance from centerline of proposed new conduit to centerline of existing gas main.
- Maintain three (3) feet horizontal clearance from centerline of proposed new conduit to centerline of existing water main.