

Canyon Lake Water Service Company *Plan Preparation Guidelines*

- Developer to design water main extensions, hydrant connections, fire service connections, irrigation and domestic services per CLWSC standards and specifications (attached).
- All main extensions shall be sized by CLWSC
- All irrigation and domestic services shall be sized by CLWSC based on the completed Water Service Questionnaire (attached).
- All material shall be in conformance with the CLWSC specifications.
- A cost estimate shall be generated by the Developer that shows anticipated material costs and contract (construction) costs separated.
- All backflow requirements will be determined by CLWSC.
- Provide associated calculations where necessary.
- Provide adequate isolation valves, air valves and blow-off valves.
- Use nomenclature and symbols identical to that provided in the sample.
- The minimum separation requirements (centerline to centerline) between CLWSC mains and other utilities are as follows:
 - 1.) 5' separation between Water Main and Gas, Electric or Cable.
 - 2.) 9' separation between Water Main and Sanitary Sewer.
- Developer shall produce the general plan sheets which shall include the following:
 - General plan call out and scale (must be 1" = 100' or less unless otherwise approved)
 - Site location map
 - North arrow in the upper left hand corner
 - Pipe legend in the lower left hand corner
 - Title Block including as-built stamp area, revision block, contractor information block, signed PE Stamp of the responsible engineer
 - CLWSC standard notes appropriate to the project (see attached list of notes)

- List of drawings or sheets
 - All existing utility facilities located in the general plan area
 - Street names and **key spot elevations** along the pipeline alignment
 - Show everything found on the base survey of importance, including trees, above ground facilities, etc.
 - Show the limit of pavement to be replaced for all pavement replacement
 - Existing and proposed driveways, sidewalk, landscape and face of curb
 - All existing and proposed utilities' sizes and covers (depth)
 - When new main crossing an existing or proposed utility, place a note calling out whether the water main will be overcrossing or undercrossing the utility
 - Outs (distances) from property line to all existing and proposed utilities
 - Call out boxes for all valves, hydrants, fire services, air valves and blow-offs
 - Call out boxes for footage, size, and type of main to be installed with footage to be installed by CLWSC in parenthesis
 - Show the break between “Installed by Developer” and “Installed by CLWSC”
 - Submit electronic versions of final drawings. For AutoCAD, limit use of paper space and bind all xrefs to the base drawing
- Developers who design projects are encouraged to obtain reviews by CLWSC at various stages of drawing completion.



WATER SERVICE QUESTIONNAIRE

Service Installation Agreement with: Owner Applicant Date: _____

Service Applicant's Name: _____

Applicant's Mailing Address: _____

Applicant's Phone No.: _____ Applicant's Fax No.: _____

Owner's Name: _____ Same as above

Address to be served: _____ Same as above

Owner's Phone No.: _____ Owner's Fax No.: _____

Use of lot: Single-family Residential Multi-family Commercial

Size of Service Requested: Unknown 5/8" 3/4" 1" 1.5" 2" 3" 4" 6" 8" or larger

Size of Consumer Pipe: Unknown 5/8" 3/4" 1" 1.5" 2" 3" 4" 6" 8" or larger

Estimated length of pipe from the water meter to the building: _____ feet

Building will have _____ stories

Building size is _____ square feet

Is there a well on the property? Yes No

Any reclaimed/recycled water? Yes No

Will consumer use a pump to boost the pressure? Yes No

Will there be any landscape irrigation off this service? Yes No

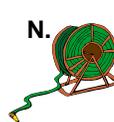
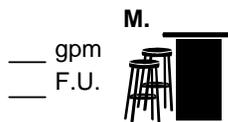
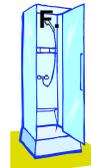
If yes, Number of sprinkler heads: _____ Flow (in gpm) each: _____

Maximum number of sprinkler heads used at any one time: _____

Will sprinklers be operated: On a time clock? Manually? Off peak hours? During the Day?

Complete the quantity of the following:

- A. Toilet - flush valve type _____
- B. Toilet - tank type _____
- C. Bidet _____
- D. Bathtub/shower combo _____
- E. Bathtub only _____
- F. Shower only _____
- G. Urinal _____
- H. Bathroom sink _____
- I. Clothes Washer _____
- J. Laundry tub _____
- K. Kitchen sink _____
- L. Dishwasher _____
- M. Bar sink _____
- N. Hose Bibb _____
- O. Misc. (describe) _____
- P. Misc. (describe) _____



Fire Department requirements (select one):

- None or Fire Service
- Sprinkle whole house (52 gpm)
- Sprinkle garage only (26 gpm)
- _____ Other (gpm)

Briefly Describe Project: _____

Applicant's/Owner's Signature: _____