

WEST VALLEY WATER DISTRICT

**SECTION 1.2
OF
DESIGN CRITERIA**

PLAN PREPARATION AND PLAN CHECK

1.2.1 Plan Preparation

Plans prepared for additions to the District's water system and submitted to the District for approval shall be in substantial form and shall be in accordance with the following requirements.

- a. Drawings shall be in ink on linen or mylar. Sheet size shall be 36-inch X 24-inch.
- b. The Water Notes shall appear once on the first sheet of the plans. All required Certifications and approvals shall also appear on the first sheet. See section 1.2.2.
- c. Each sheet shall have a title and revision block in the lower right hand comer.
- d. Each sheet shall have a North arrow, when applicable.
- e. A key map having a scale of 1 -inch = 200 feet shall be shown on the first sheet of each set of drawings. Said key map shall show all water lines, their sizes, gate valves, fire hydrants, and appurtenances in their scaled relation to one another. All roads shall be shown and named.
- f. Plan and profile are required for all pipelines. Double plan and profile sheets may be used. Scales to be used are as follows:

Plan and Profile:	1 -inch = 40 feet horizontal
(Mild grades)	1 -inch = 4 feet vertical

Plan and Profile:	1 -inch = 100 feet horizontal
(Steep grades)	1 -inch = 10 feet vertical

Profiles shall show pipe size; existing ground elevation or finish grade elevation; appurtenances; the depth, size, location, and nature of all other utilities which cross over or under the water line; the location and nature of special construction such as concrete blankets or encasements; flow line elevations at grade changes; and any other information pertinent and necessary to the proper construction and recordation of the water lines.

- g. At least one Bench Mark shall be shown and/or described on each sheet. The indicated elevation shall be referenced to an U.S.G.S. datum.
- h. The plans shall show the Tract legal description and lot numbers of all property adjacent to the water line to be constructed. Assessor parcel number is also to be listed.
- i. The plans shall show all right-of-way lines, the distance from the centerline of all roads, right-of-way and easements to the center of the water line and other distances necessary to easements.
- j. Show limits and type of street pavement, curb, gutter and sidewalk.
- k. Show location of proposed service connections.
- l. Show exact location of all existing or proposed utilities and structures within 20 feet of the water centerline.
- m. Technical Specifications and Standard Drawings - The District's Technical Specifications and Standard Drawings shall be utilized in design of water facilities.
- n. When a tract is to be phased, water plans shall indicate the limit of each phasing and the location of bulkhead test station and temporary blowoff assembly.
- o. Blue line drawings submitted for District review shall be submitted in accordance with section 1.2.4 Plan Check Requirements.
- p. After plans are approved by the District, changes to the plans shall not be made without the permission of the District.
- q. If construction has not commenced within two (2) years of the District approved date, the water improvement plan shall be resubmitted to the District for review and approval in accordance with section 1.2.4.

1.2.2 Water Notes

The following water notes shall appear on the water system improvement plans.

WATER NOTES

- a. Pipe 10" and smaller shall be Class 350 Ductile Iron pipe, or Class 200, or Class 150, 10 GA Cement Mortar Lined and Coated Steel. Pipe greater than 12" shall be Thickness Class 50 Ductile Iron pipe, or Class 150, 10 GA Cement Mortar Lined and Coated steel pipe or as specified.
- b. Water service laterals shall be type K copper line, minimum 1" diameter, with 1" x 3/4 " angle valves with lock wing or 1 " x I " angle valves with lock wing. There shall be a separate service for each lot being served. One service per pipe trench. All service valves shall be capable of 360 degree turn (less stop).
- c. All water service laterals to be installed at same time as main line. No splice shall be allowed on copper service lateral line.
- d. Water service laterals to be terminated 12" behind rear of curb or future curb. In City limits terminate 12" behind future sidewalk.
- e. Fire hydrants shall be 6" x 4" x 2 1/2" - Clow F-850, or equal, painted with one coat primer and one coat yellow. The 4" steamer outlet shall be perpendicular to the curb or future curb.
- f. Depth of cover for water service laterals shall be minimum 30"; for water mains 10" and smaller shall be minimum 36" ; for 12" and larger pipe shall be minimum 42" or as specified on plans. All measurements from finish grade.
- g. All water mains shall be flushed and disinfected per A.W.W.A. Standards C651 prior to use after installation or repair.
- h. Construction to be in accordance with the **WEST VALLEY WATER DISTRICT "STANDARDS FOR DOMESTIC WATER FACILITIES."**
- i. Water service is subject to the current District rules and regulation and any amendments thereto.
- j. If construction has not commenced within two years of the District approval date, this plan shall be resubmitted to the District for review and approval.
- k. Water lines to be installed only after the construction of concrete curb and gutter.
- l. Contractor to furnish 2-year warranty bond for all water facilities installed with this plan.

1.2.3 Certifications

The following certification shall appear on the Water System Improvement Plans.

Design

This certifies that these plans and specifications have been designed under the direct supervision of a Civil Engineer License in state of California and are in accordance with Title 22 Code of Regulations Chapter 16 California Waterwork Standard of the state of California.

Signature of Designing Engineer

RCE NO. &
Expiration Date

Date

Water

This certifies that these plans and specifications have been reviewed by and are accepted by the West Valley Water District and that this District is willing and able to supply water to this location.

Signature

Title

Date

Fire

Fire protection system approved _____
(Date)

By: _____
Signature of City Fire Chief, or County Fire Warden, or Fire Chief of Local District