

CUCAMONGA VALLEY WATER DISTRICT

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WATER GENERAL NOTES

- All water lines shall be constructed in accordance with the Cucamonga Valley Water District's Standard Specifications and the latest edition of the Standard Specifications for Public Works Construction.
- The Contractor is responsible for securing from the Cucamonga Valley Water District copies of the latest Standard Specifications prior to start of construction.
- Any Contractor performing work on this project shall familiarize themselves with the site and shall be held solely responsible for any damage to existing facilities resulting directly, or indirectly, from their operations, whether or not said facilities are shown on these plans.
- All 6-inch water lines shall be 12 gauge steel; all 8-inch through 16-inch water lines shall be 10 gauge steel, cement mortar lined and coated in accordance with ANSI/AWWA Specification C205-00.
- The approximate minimum and maximum static water pressure available to serve the subject development is _____ p.s.i. and _____ p.s.i., respectively.
- All water meter sizes shall be _____ (domestic) and _____ (landscape).
- The minimum cover for 6-inch and 8-inch water lines shall be 30 inches, 10-inch water lines shall be 36 inches, 12-inch water lines shall be 42 inches, and 16-inch water lines and above shall be 48 inches.
- All fire hydrant locations shall conform to the Standard Specifications of the City of Rancho Cucamonga Fire Protection District.
- The Developer shall have their Engineer verify the elevations of all existing water mains at points of connection prior to any construction of facilities. Any necessary changes of water line depth during construction shall be reported to the Cucamonga Valley Water District for review and approval prior to continuance of construction.
- The Contractor shall have a Class C34 license.
- The Contractor shall be required to obtain the necessary permits from the appropriate local agencies prior to any construction within any street, right-of-way, or easement.
- All water meter services for the use of landscape irrigation or public domestic use, other than for residential, shall have installed an approved Reduced Pressure Principal backflow assembly as the minimum backflow protection requirement.
- The water Contractor shall be responsible for installing District furnished meter boxes.
- Pressure regulating valves are required for each service where the water system pressure exceeds 80 p.s.i. (see Note #5).
- The minimum separation between water lines and sanitary sewer lines shall conform to the State of California Environmental Health Code, Title 22, Section 64630-C.
- Sand bedding and sand backfill in the pipe zone is required unless native materials are considered suitable as such by the District Engineer.
- Trench restoration and pavement repair shall be in accordance with the standards and specifications of the appropriate local agency.
- The water Contractor shall adjust all gate valve covers to grade after final paving is completed.
- Prior to the activation of any newly constructed water lines, or any connections to existing systems, hydrostatic testing and disinfection shall be performed in accordance with the Section 7, Technical Provisions, of the Standard Specifications of the Cucamonga Valley Water District.
- The Contractor shall be responsible to notify Underground Service Alert (1-800-227-2600) at least two working days (48 hours) prior to start of construction.
- For water system inspection on this project, the Contractor shall contact the Cucamonga Valley Water District at (909) 987-2591, two working days prior to the required inspection date.
- The Contractor shall return a legible and clean set of "As Built" drawings to the Cucamonga Valley Water District prior to final acceptance of any system.
- Approval of these plans by the Cucamonga Valley Water District does not constitute a representation of the accuracy or existence of any existing underground facilities, whether or not said facilities are shown on these plans.

SEWER GENERAL NOTES

- All sewer lines shall be constructed in accordance with the Cucamonga Valley Water District's Standard Specifications and the latest edition of the Standard Specifications for Public Works Construction.
- The Contractor is responsible for securing from the Cucamonga Valley Water District copies of the latest Standard Specifications prior to start of construction.
- Any Contractor performing work on this project shall familiarize themselves with the site and shall be held solely responsible for any damage to existing facilities resulting directly, or indirectly, from their operations, whether or not said facilities are shown on these plans.
- All sewer lines shall be Vitrified Clay Pipe (V.C.P.), unless otherwise specified on the plans, and shall conform to the specifications of the Cucamonga Valley Water District. The minimum slopes for all sewer main lines shall conform to Section 11-14, Technical Provisions, of the Standards and Specifications of the Cucamonga Valley Water District.
- All sewer laterals shall be V.C.P., unless otherwise specified on the plans, and shall conform to the specifications of the Cucamonga Valley Water District. All houses laterals shall be 4 inches in diameter, while lateral sizing for other facilities (Commercial, industrial, apartments, etc.) shall be as noted on the plans. All lateral connections to the main line shall be through a wye connection, unless otherwise specified on the plans.
- The Contractor shall be required to obtain the necessary permits from the appropriate local agencies prior to any construction within any street, right-of-way, or easement.
- The Developer shall have their Engineer verify the elevations of all existing manhole inverts at points of connection prior to any construction of facilities. Any necessary changes of manhole depth or designed slope of the sewer line prior to or during construction shall be reported to the Cucamonga Valley Water District for review and approval prior to continuance of construction.
- The minimum separation between water lines and sanitary sewer lines shall conform to the State of California Environmental Health Code, Title 22, Section 64630-C.
- The Contractor shall have a Class C42 license.
- The Contractor shall be responsible for providing and installing manhole channel guards in all sewer systems as directed by the District Engineer.
- Sand bedding and sand backfill in the pipe zone is required unless native materials are considered suitable as such by the District Engineer.
- Trench restoration and pavement repair shall be in accordance with the standards and specifications of the appropriate local agency.
- The Developer shall have their Engineer verify the elevations of the manholes in any paved sections to allow any necessary adjustments to the manhole frames prior to placement of final pavement.
- Backwater valves are required on all sewer laterals per Section 3.11 of Sewer Ordinance 32-C of the Cucamonga Valley Water District. Installation of backwater valves shall conform to Section 16-01 of the Standard Specifications of the Cucamonga Valley Water District.
- Grease interceptors are required for the proper maintenance of liquid waste containing grease, sand, solids, acid or alkaline substances, or other ingredients, which may be harmful to the public sewer system. Sizing of grease interceptors shall conform to Section 3 of Wastewater Ordinance 28-C of the Cucamonga Valley Water District. Installation of grease interceptors shall conform to Section 16-02, Technical Provisions, of the Standard Specifications of the Cucamonga Valley Water District.
- The Contractor shall return a legible and clean set of "As Built" drawings to the Cucamonga Valley Water District prior to final acceptance of any system.
- The Contractor shall be responsible to notify Underground Service Alert (1-800-227-2600) at least two working days (48 hours) prior to start of construction.
- For sewer system inspection on this project, the Contractor shall contact the Cucamonga Valley Water District at (909) 987-2591, two working days prior to the required inspection date.
- Approval of these plans by the Cucamonga Valley Water District does not constitute a representation of the accuracy or existence of any existing underground facilities, whether or not said facilities are shown on these plans.

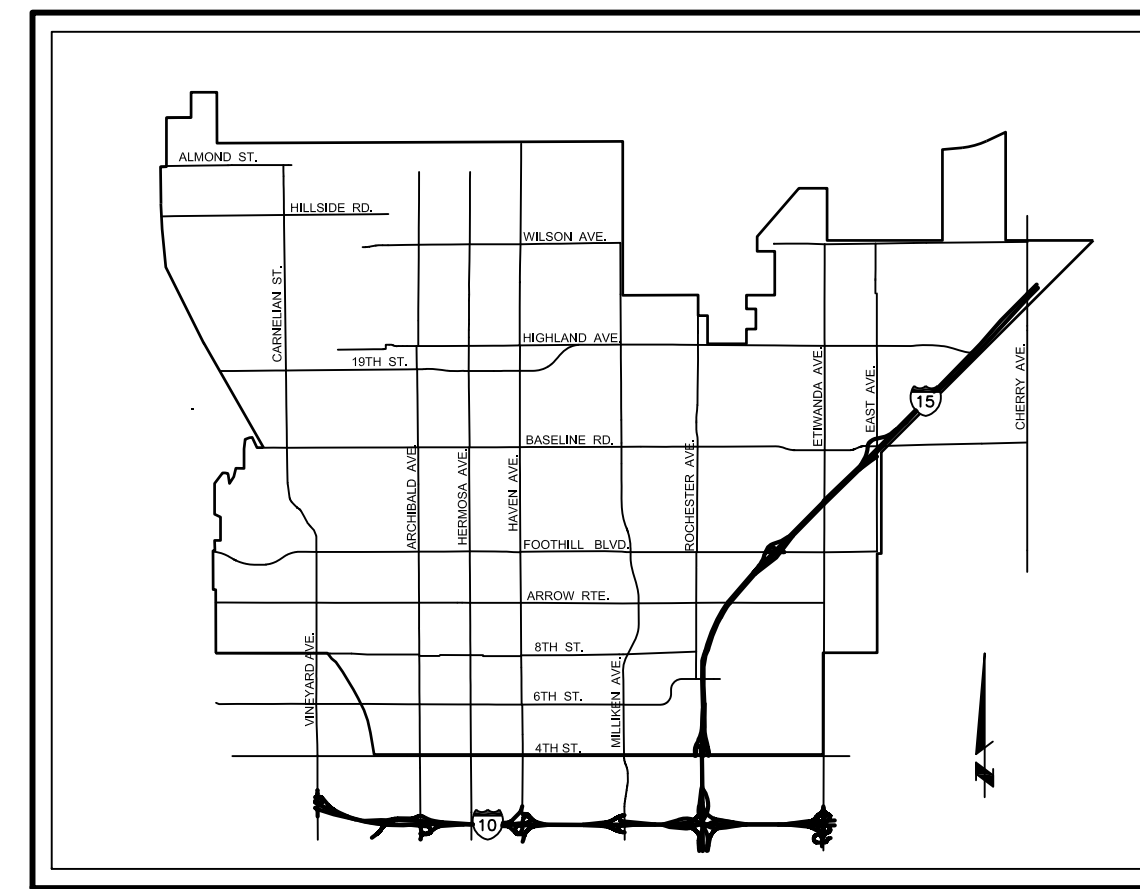
NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK.

Underground Service Alert



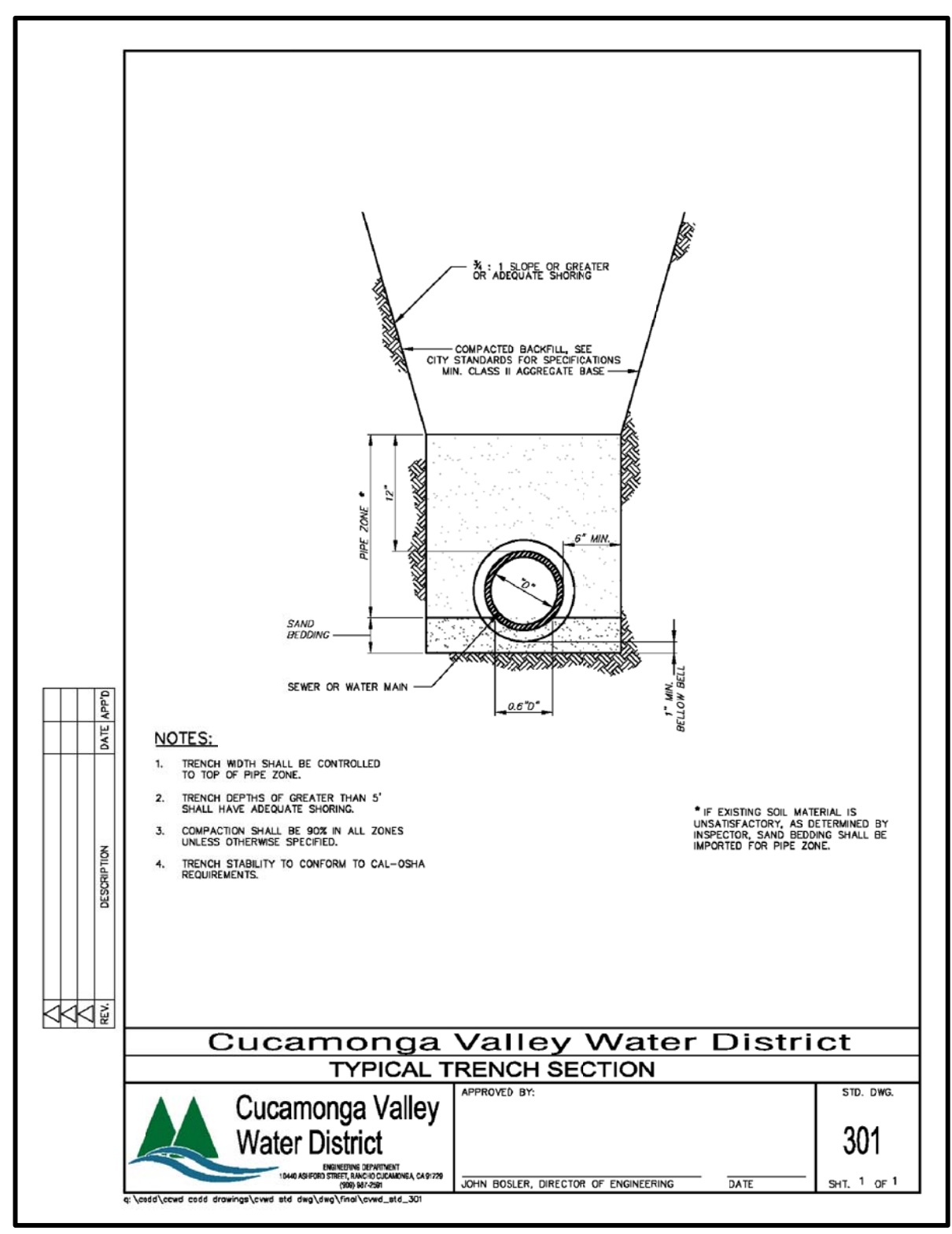
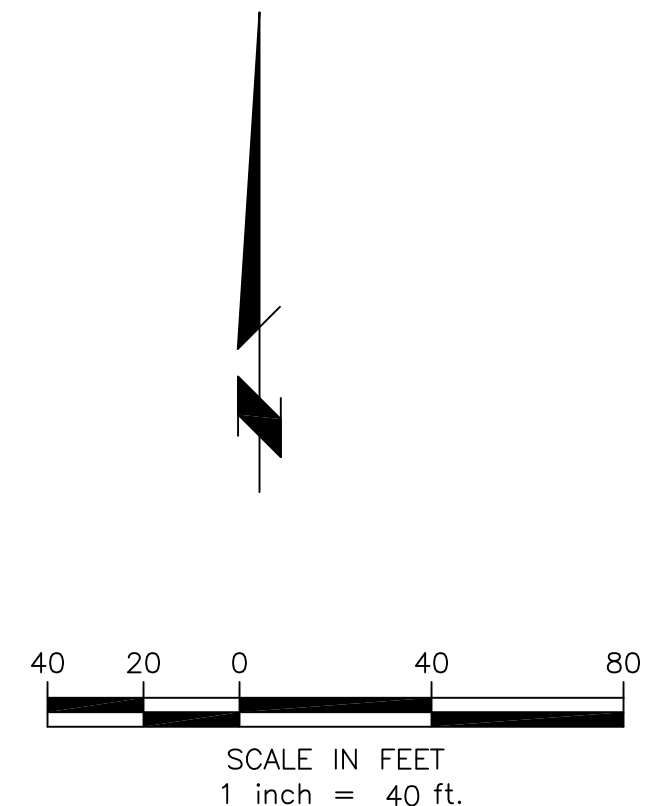
RANCHO CUCAMONGA FIRE DISTRICT

RANCHO CUCAMONGA FIRE PROTECTION DISTRICT

APPROVED DATE: _____

INSPECTOR, RANCHO CUCAMONGA FIRE DISTRICT

APPROVAL IS GRANTED FOR THE UNDERGROUND PUBLIC WATER MAINS, HYDRANTS, AND FIRE SERVICES ONLY. APPROVAL DOES NOT INCLUDE ANY ONSITE PRIVATE SPRINKLER PIPING OR APPURTENANCES.



NOTES:

- TRENCH WIDTH SHALL BE CONTROLLED TO TOP OF PIPE ZONE.
- TRENCH DEPTH OF GREATER THAN 5' SHALL HAVE ADEQUATE SHORING.
- COMPACTION SHALL BE DONE IN ALL ZONES UNLESS OTHERWISE SPECIFIED.
- TRENCH STABILITY TO CONFORM TO CAL-OSHA REQUIREMENTS.

* IF EXISTING SOIL MATERIAL IS UNSATISFACTORY AS DETERMINED BY INSPECTOR, SAND BEDDING SHALL BE IMPORTED FOR PIPE ZONE.

Cucamonga Valley Water District
TYPICAL TRENCH SECTION

APPROVED BY: _____ S.D. DWG. 301

DATE: _____

JOHN BOELER, DIRECTOR OF ENGINEERING

REV.	DESCRIPTION	DATE	APP'D

BENCH MARK:	

CONTACT INFO:	

ENGINEER SEAL

DATE APPROVED: _____

BRADEN YU, P.E.
PLANNING & DEVELOPMENT MANAGER
CUCAMONGA VALLEY WATER DISTRICT

Cucamonga Valley Water District

ENGINEERING DEPARTMENT
10440 ASHFORD STREET, RANCHO CUCAMONGA, CA 91729
(909) 987-2591

DESIGNED BY:	DRAWN BY:	CHECKED BY:
XX	XX	XX
SCALE:	WORK ORDER NO.:	ATLAS:
XX	XX	XX

CUCAMONGA VALLEY WATER DISTRICT

JOB TITLE

SHEET
CVWD USE ONLY
SHT. XX OF XX