

UCAMONGA VALLEY WATER DISTRICT

WATER AND SEWER PLAN

(GRID 2406)

SHOPPING CENTER

9606 FOOTHILL BLVD., RANCHO CUCAMONGA

WATER GENERAL NOTES

1. 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.
2. The Contractor is responsible for securing from the Cucamonga Valley Water District copies of the latest Standard Specifications prior to start of construction.
3. 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.
4. 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.
5. The approximate minimum and maximum static water pressure available to serve the subject development is 89 p.s.i. and 81 p.s.i., respectively.
6. All water meter sizes shall be 2" (domestic) and 1" (landscape).
7. 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.
8. All fire hydrant locations shall conform to the Standard Specifications of the City of Rancho Cucamonga Fire Protection District.
9. 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.
10. The Contractor shall have a Class C34 license.
11. 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.
12. 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.
13. The water Contractor shall be responsible for installing District furnished meter boxes.
14. Pressure regulating valves are required for each service where the water system pressure exceeds 80 p.s.i. (see Note #5).
15. 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.
16. Sand bedding and sand backfill in the pipe zone is required unless native materials are considered suitable as such by the District Engineer.
17. Trench restoration and pavement repair shall be in accordance with the standards and specifications of the appropriate local agency.
18. The water Contractor shall adjust all gate valve covers to grade after final paving is completed.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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

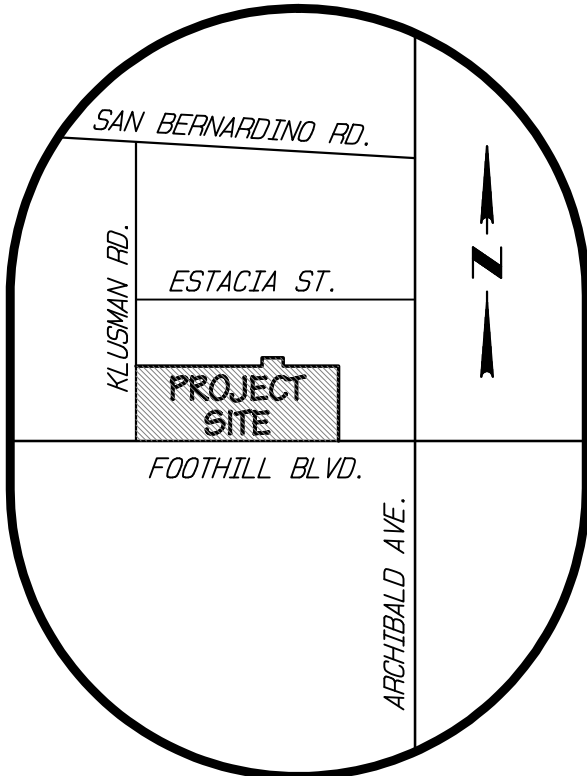
1. All sewer lines shall be constructed in accordance with the Cucamonga Valley Water District's Standard Specifications and the latest edition of the Standard Specifications for Public Works Construction.
2. The Contractor is responsible for securing from the Cucamonga Valley Water District copies of the latest Standard Specifications prior to start of construction.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. The Contractor shall have a Class C42 license.
10. The Contractor shall be responsible for providing and installing manhole channel guards in all sewer systems as directed by the District Engineer.
11. Sand bedding and sand backfill in the pipe zone is required unless native materials are considered suitable as such by the District Engineer.
12. Trench restoration and pavement repair shall be in accordance with the standards and specifications of the appropriate local agency.
13. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.

WATER CONSTRUCTION NOTES

		QUANTITY
1	INSTALL 8" OML&C STEEL PIPE (SOLID WELD ALL JOINTS AND FITTINGS)	442 LF
2	INSTALL 2" SERVICE LINE 1/2" DOMESTIC METER PER CVWD STD. DWG. NO.103	1 EA.
3	INSTALL 2" SERVICE LINE 1/4" LANDSCAPE METER PER CVWD STD. DWG. NO.103	1 EA.
4	INSTALL REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY (SAME SIZE AS METER) PER CVWD STD. DWG. NO. 111	2 EA.
5	INSTALL 6" FIRE HYDRANT PER CV PER CVWD STD. DWG. 113	3 EA.
6	INSTALL 6" FIRE SERVICE LATERAL WITH 6" ABOVE GROUND DOUBLE DETECTOR CHECK ASSEMBLY PER CVWD STD. DWG. 110 WITH FOC PER RCFPD.	1 EA.
7	INSTALL 8" GATE VALVE PER CVWD STD. DWG. 115	1 EA.
8	INSTALL 8"X 8" OML&C FLANGED TEE	1 EA.
9	SOLID WELD ALL JOINTS AND FITTINGS	-
10	CONSTRUCT TYPICAL TRENCH SECTION PER CVWD STD. DWG. 301	442 LF
11	SAWCUT, REMOVE AND REPLACE EXIST. A.C. PAVEMENT (WHERE APPLICABLE) CONSTRUCT TRENCH RESTORATION PER CITY OF RANCHO CUCAMONGA STD. DWG. NO. 120	442 LF
12	ABANDON 8" WATER LINE AS DIRECTED BY C.V.W.D. INSPECTOR	-
13	CUT IN 6" X 6" TEE	1 EA.
14	INSTALL 8" X 8" X 6" OML&C FLANGED TEE	2 EA.
15	INSTALL 6" GATE VALVE	2 EA.
16	INSTALL BLIND FLANGE AT END OF MAIN EXTENSION WITH THRUST BLOCK PER CVWD STD. DWG. NO. 304	1 EA.
17	ABANDON EXISTING DOMESTIC SERVICE & METER AT THE MAIN, AS DIRECTED BY CVWD INSPECTOR	N/A
18	INSTALL 2" SERVICE LINE AND LARGE BOX PER CVWD STD. 103	1 EA
19	INSTALL 45° BEND AND THRUST BLOCK PER CVWD STD. 304	2 EA.
20	HOT TAP PER CVWD STD. 123	1 EA.
21	NEW WATER MAIN CROSSING EXISTING SEWER MAIN PER CVWD STD. 306-A	2 LOCATIONS
22	MAINTAIN HORIZONTAL SEPERATION PER CVWD STD. 306-A, ZONE B.	N/A
23	INSTALL 8"X8"X6" OML&C FLANGED TEE	1 EA.

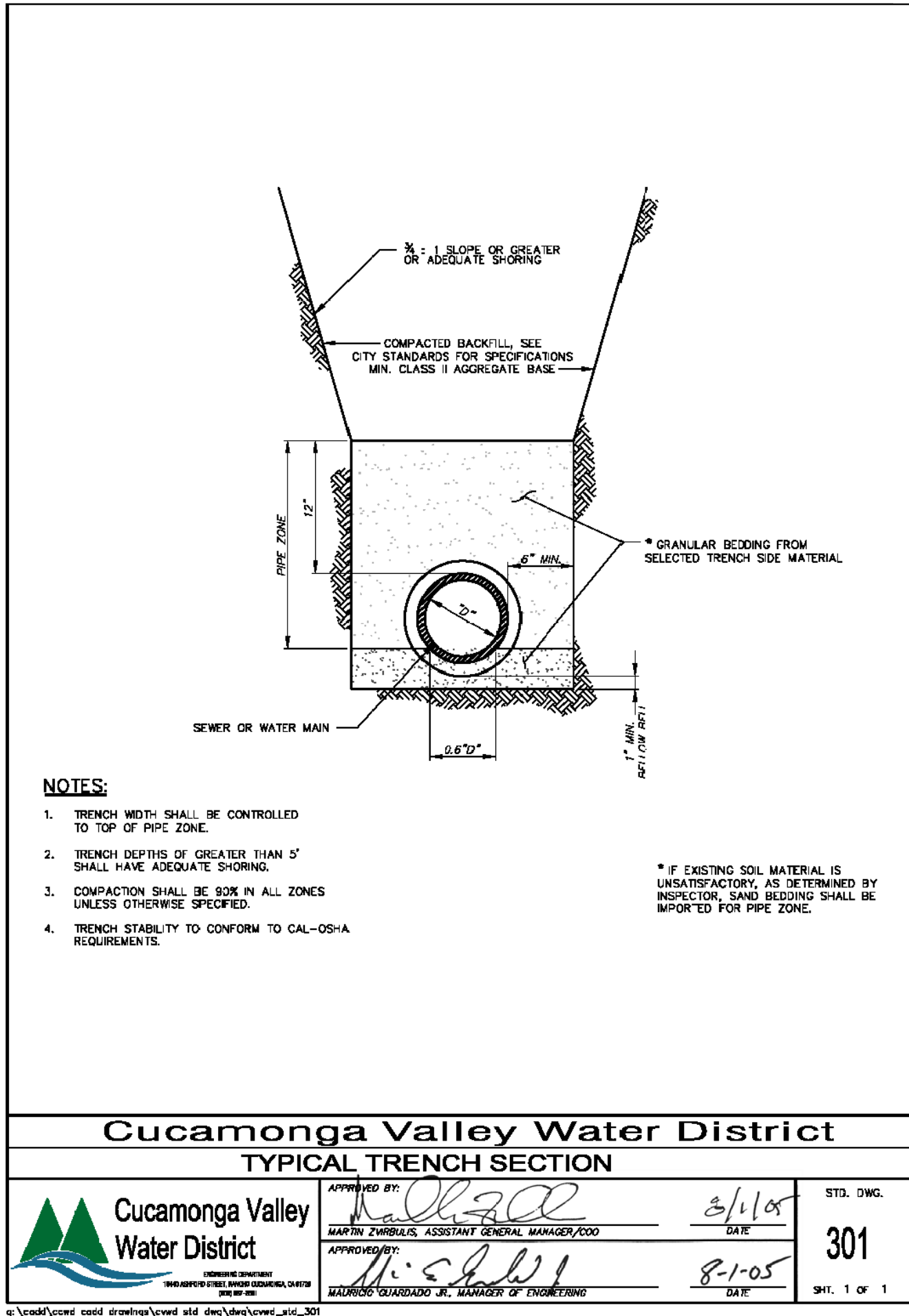
SEWER CONSTRUCTION NOTES

		QUANTITY
30	ABANDON EXISTING SEWER LATERAL AS DIRECTED BY C.V.W.D. INSPECTOR	4 EA.
31	CONNECT AND EXTEND TO EXISTING SEWER LATERAL. IF EXISTING SEWER LATERAL IS DAMAGED OR NON-OPERABLE DEVELOPER MUST REPAIR TO THE SATISFACTION OF THE CVWD INSPECTOR AT DEVELOPERS EXPENSE.	3 EA.
32	INSTALL CLEANOUT PER CVWD STD. DWG. NO. 201	3 EA.
33	CONSTRUCT BACK WATER VALVE PER CVWD STD. DWG. NO. 214	3 EA.



VICINITY MAP

NTS



Cucamonga Valley Water District

TYPICAL TRENCH SECTION

	APPROVED BY:	DATE: 8/1/08	STD. DWG. NO. 301
	APPROVED BY:	DATE: 8-1-05	SHT. 1 of 1

SHEET INDEX

DWG.	SHEET TITLE
1	TITLE SHEET
2	WATER & SEWER IMPROVEMENT PLAN (FOOTHILL & KLUSMAN)

Underground Service Alert



Call: TOLL FREE
1-800
227-2600

ANY water or sewer facilities not being used by this project must be abandoned as directed by the Cucamonga Valley Water District Inspector. Including, but not limited to water meters, water mains, service lines, sewer laterals or sewer mains. Contractor must conduct a field inspection for abandonments indicated or not indicated on this plan.

TWO WORKING DAYS BEFORE YOU DIG

REV.	DESCRIPTION	DATE	APP'D

CONTACT INFO:

GIRON ENGINEERS INC.
654 S. Glendora Avenue
Glendora, CA 91740
(626)335-9782 PHONE & FAX
giron.engineers@verizon.net



DATE APPROVED:

EDUARDO ESPINOZA, SENIOR ENGINEER



Cucamonga Valley Water District
ENGINEERING DEPARTMENT
1040 ASHFOR STREET, RANCHO CUCAMONGA, CA 91729
(909) 987-2591

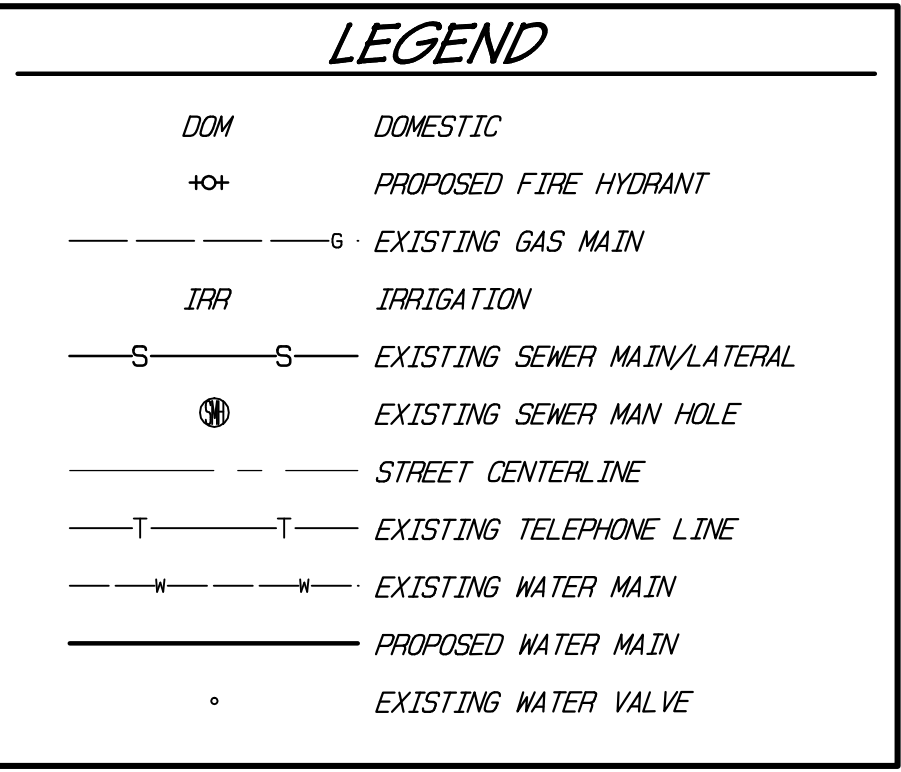
DESIGNED BY: S. GIRON	DRAWN BY: A. BLEDSOE	CHECKED BY: RBA/CVWD
SCALE: 1" = 20'	WORK ORDER BY: DP 7335 286276 286277	ATLAS: 2406

UCAMONGA VALLEY WATER DISTRICT
WATER & SEWER IMPROVEMENT PLAN
GRID 2406
9606 FOOTHILL BLVD., RANCHO CUCAMONGA

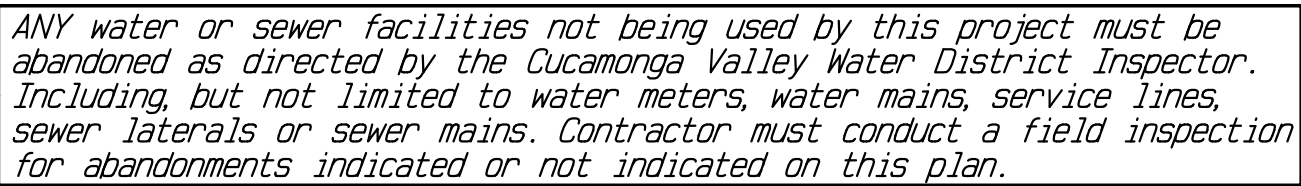
SHT. 1 OF 2

PRELIMINARY DRAWING

1/20043 PLOT19/16/2014



SEWER CONSTRUCTION NOTES		QUANTITY
(30)	ABANDON EXISTING SEWER LATERAL AS DIRECTED BY C.V.W.D. INSPECTOR	4 EA.
(31)	CONNECT AND EXTEND TO EXISTING SEWER LATERAL. IF EXISTING SEWER LATERAL IS DAMAGED OR NON-OPERABLE DEVELOPER MUST REPAIR TO THE SATISFACTION OF THE CVWD INSPECTOR AT DEVELOPERS EXPENSE.	3 EA.
(32)	INSTALL CLEANOUT PER CVWD STD. DWG. NO. 201	3 EA.
(33)	CONSTRUCT BACK WATER VALVE PER CVWD STD. DWG. NO. 214	3 EA.



SHT. 2 OF 2