

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MEETING OF THE BOARD OF DIRECTORS

Tuesday, August 13, 2013 - 7:00 p.m.

AGENDA

The Coastside County Water District (CCWD) does not discriminate against persons with disabilities. Upon request, the agenda and agenda packet materials can be provided in a format to accommodate special needs. If you require a copy of the agenda or related materials in an alternative format to accommodate a disability, or if you wish to attend this public meeting and will require special assistance or other special equipment, please call the District at (650) 726-4405 in advance and we will make every reasonable attempt to provide such an accommodation.

All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the CCWD District Office, located at 766 Main Street, Half Moon Bay, CA at the same time that the public records are distributed or made available to the legislative body.

This agenda and accompanying materials can be viewed on Coastside County Water District's website located at: www.coastsidewater.org.

The Board of the Coastside County Water District reserves the right to take action on any item included on this agenda.

- 1) ROLL CALL**
- 2) PLEDGE OF ALLEGIANCE**
- 3) PUBLIC COMMENT**

At this time members of the public may address the Board of Directors on issues not listed on the agenda which are within the purview of the Coastside County Water District. Comments on matters that are listed on the agenda may be made at the time the Board is considering each item. Each speaker is allowed a maximum of three (3) minutes and must complete and submit a speaker slip. The President of the Board will recognize each speaker, at which time the speaker should proceed to the podium, give their name and address and provide their comments to the Board.

4) PUBLIC HEARING ([attachment](#))

Coastside County Water District Ordinance 2013-01 – Modifying Section W of the District’s General Regulations Regarding Water Service Pertaining to the Control of Backflow and Cross-Connections

Board to conduct a public hearing to receive public comments and consider adoption of Ordinance 2013-01 Modifying Section W of the District’s General Regulations Regarding Water Service Pertaining to the Control of Backflow and Cross-Connections

5) CONSENT CALENDAR

The following matters before the Board of Directors are recommended for action as stated by the General Manager. All matters listed hereunder constitute a Consent Calendar, are considered as routine by the Board of Directors, and will be acted upon by a single vote of the Board. There will be no separate discussion of these items unless a member of the Board so requests, in which event the matter shall be removed from the Consent Calendar and considered as a separate item.

- A. Approval of disbursements for the month ending July 31, 2013:
Claims: \$757,909.58; Payroll: \$69,700.59; for a total of \$827,610.17 ([attachment](#))
➤ *July 2013 Monthly Financial Claims reviewed by Director Mickelsen*
- B. Acceptance of Financial Reports ([attachment](#))
- C. Approval of Minutes of July 9, 2013 Regular Board of Directors Meeting ([attachment](#))
- D. Monthly Water Transfer Report ([attachment](#))
- E. Installed Water Connection Capacity and Water Meters Report ([attachment](#))
- F. Total CCWD Production Report ([attachment](#))
- G. CCWD Monthly Sales by Category Report – July, 2013 ([attachment](#))
- H. July 2013 Leak Report ([attachment](#))
- I. Rainfall Reports ([attachment](#))
- J. San Francisco Public Utilities Commission Hydrological Conditions Report for July 2013 ([attachment](#))

6) MEETINGS ATTENDED / DIRECTOR COMMENTS

7) GENERAL BUSINESS

- A. 923 and 925 Miramontes Street – Water Service Agreement for a Non-Complex Pipeline Extension ([attachment](#))
- B. Contract with Calcon Systems for Instrumentation and Controls Work ([attachment](#))

- 8) **GENERAL MANAGER'S REPORT - INCLUDING MONTHLY INFORMATIONAL REPORTS** ([attachment](#))
 - A. Operations Report ([attachment](#))
 - B. Water Resources Report ([attachment](#))

- 9) **DIRECTOR AGENDA ITEMS - REQUESTS FOR FUTURE BOARD MEETINGS**

- 10) **ADJOURNMENT**

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David R. Dickson, General Manager

Agenda: August 13, 2013

Date: August 8, 2013

Subject: Public Hearing and Consideration of Ordinance Modifying Section W of the District's General Regulations Regarding Water Service Pertaining to the Control of Backflow and Cross-Connections

Recommendation:

1. Conduct a public hearing to receive comments on the proposed Ordinance Modifying Section W of the District's General Regulations Regarding Water Service Pertaining to the Control of Backflow and Cross-Connections.
2. Approve the proposed Ordinance Modifying Section W of the District's General Regulations Regarding Water Service Pertaining to the Control of Backflow and Cross-Connections.

Background: Title 17 of the California Code of Regulations mandates that water suppliers must protect the public water supply from contamination by implementation of a cross-connection control program. Backflow incidents within the District's service area in the early 2000's and a strong suggestion by the Department of Public Health (DPH) compelled the District to take over the cross-connection control program that was being administered by the County of San Mateo.

The District assumed administration of the cross-connection control program in 2005 but lacked the resources to conduct proper surveys that are a requirement of Title 17. It was evident that there were still many services with potential cross connections that did not have the proper backflow prevention assemblies installed. In 2010 the District initiated a comprehensive cross connection survey to identify these services and have the owners install the proper backflow assemblies. These services were mainly commercial, agricultural and light industrial applications. As we increased our focus on implementation of the backflow program, it became apparent that some aspects of the District's backflow regulations needed to be simplified, clarified, and strengthened.

The proposed update presented here is the product of extensive effort by District staff, with the assistance of District Counsel Patrick Miyaki. The revised regulations require all non-single-family-residential services and residential services with alternate water sources to have a backflow assembly installed. It has been modeled after similar ordinances enacted by other municipalities and

water districts in California and Nevada and its simplicity makes backflow requirements easier to understand and less subject to challenge.

On July 9, 2013, the Board discussed the proposed ordinance and set a public hearing on the ordinance for August 13, 2013, at 7:00 p.m., in order to allow interested customers and members of the public to provide comments. At the Board's direction, staff sent a letter to all owners of non-single-family-residential properties in the District describing backflow prevention requirements that would apply to their services under the proposed ordinance and notifying them of the public hearing. In addition, we published the text of the proposed ordinance and a notice of the public hearing in the Half Moon Bay Review on July 17, 2013.

As of August 8, the District has received no written comments on the proposed ordinance. Staff has, however, fielded a number of calls from customers who received the letter and who are moving forward with plans to install backflow devices.

The attached redline version of the ordinance indicates staff-suggested changes to the language of the ordinance presented to the board on July 9.

Staff will make a presentation regarding backflow protection, the District's program, and the proposed ordinance and will answer any questions that Board may have.

Fiscal Impact: None.

ORDINANCE NO. 2013-01

**AN ORDINANCE OF THE COASTSIDE COUNTY WATER
DISTRICT**

**MODIFYING SECTION W OF THE DISTRICT'S GENERAL
REGULATIONS REGARDING WATER SERVICE
PERTAINING TO THE CONTROL OF BACKFLOW AND
CROSS-CONNECTIONS**

RECITALS

WHEREAS, on August 10, 2004, the District adopted Resolution No. 2004-15 adding Section W to the District's General Regulations Regarding Water Service Pertaining to the Control of Backflow and Cross-Connections;

WHEREAS, the District adopted this Resolution pursuant to Title 17, Chapter V, Sections 7583-7605 of the California Code of Regulations, which requires that water suppliers protect the public water supply from contamination by implementation of a cross-connection control program;

WHEREAS, the District assumed the administration of the backflow and cross-connection control program from the County of San Mateo as suggested by the California Department of Health Services (now the Department of Public Health) due to backflow or cross-connection incidents in the early 2000s;

WHEREAS, since the District has implemented its backflow and cross-connection control program, staff has determined that its regulations pertaining to the control of backflow and cross-connections should be amended; and

WHEREAS, in establishing its procedures, the Board of Directors has given notice of the public hearing to be held in connection with this Ordinance, and the District has complied with all notice and public hearing requirements of the law; and has received, reviewed and given due consideration to the evidence presented in connection with the procedures established by this Ordinance.

NOW, THEREFORE, BE IT ORDAINED by the Board of Directors of the Coastside County Water District that Section W "BACKFLOW AND CROSS-CONNECTION CONTROL" is hereby modified in the General Regulations of the Coastside County Water District to delete the entire Section W and replace it with the following:

W. Backflow And Cross-Connection Control

1. ***Cross-Connection Control – General Policy***

a. Purpose. The purpose of this regulation is:

- i. To protect the public potable water supply of the Coastside County Water District (District) from the possibility of contamination or pollution from backflow; and,
- ii. To promote the elimination or control of existing cross connections, actual or potential, between the customer's potable water system(s) and nonpotable water systems, plumbing fixtures, appliances, and industrial piping systems

b. Authority. These regulations are adopted pursuant to the State of California Code of Regulations, Title 17 Sections 7583 – 7605, inclusive (State Regulations). The State Regulations, as they may be amended or revised, are incorporated into these regulations by this reference, except to the extent the State Regulations conflict with these regulations, in which case these regulations will govern.

c. Policy: No Non Residential Single Family water service connection or Single Family Residential service connection that have an auxiliary water supply, cross connection, or a risk of backflow or contamination to any premises shall be installed or maintained by the District unless the water supply is protected as required by State Regulations and this regulation. Service of water to any premises shall be discontinued by the District under the following circumstances: (1) if a backflow prevention assembly required by this regulation is not installed, tested, and maintained; (2) if it is found that a backflow prevention assembly has been removed or bypassed, or (3) if an unprotected cross connection exists on the premises. Service will not be restored until such conditions or defects are corrected.

2. ***Definitions***

Words used in this regulation, unless the context requires otherwise, shall be as defined below.

- a. **Approved Tester** means a person who holds a current and valid AWWA (American Water Works Association) Backflow Prevention Assembly Testers Certification and is in good standing with the District to perform backflow prevention device testing within the District's distribution system in accordance with established procedures as found in the latest edition of the Manual of Cross-Connection Control published by the Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California.
- b. **Auxiliary Water Supply** Any water supply on or available to the premises other than the approved water supply as delivered by the District to the service connection. This

includes storage tanks where water quality may degrade, private wells, natural or ornamental ponds, streams, storm water, rain barrels, gray water, and the ocean.

- c. **Backflow** means the reverse flow of water or any other fluid or substance or any combination or any mixture thereof from the customer's system into District's water distribution system.
- d. **Backflow Prevention Assembly** means an assembly of a type and manufacture approved by the District which will prevent backflow into District's distribution system. The District will approve all backflow prevention assemblies that meet the American Water Works Association standards at the time the backflow prevention assembly is installed.
 - i. Air Gap Separation. The term "air gap separation" means a physical break between a supply pipe and a receiving vessel. The air gap shall be at least double the diameter of the supply pipe measured vertically above the top rim of the vessel, in no case less than 1 inch.
 - ii. Double Check Valve Assembly. The term "double check valve assembly" means an assembly of at least two independently acting check valves including tightly closing shut-off valves on each side of the check valve assembly and test cocks available for testing the water tightness of each check valve.
 - iii. Reduced Pressure Principle Backflow Prevention Device (RP). The term "reduced pressure principle backflow prevention device" or "RP device", means a device incorporating two or more check valves and an automatically operating differential relief valve located between the two checks, a tightly closing shut-off valve on each side of the check valve assembly, and equipped with necessary test cocks for testing.
- e. **Contamination** means a degradation of the quality of the potable water by any foreign substance which creates a hazard to the public health, or which may impair the usefulness or quality of the water.
- f. **Cross-Connection** means any connection, link or channel between District's water distribution system and an auxiliary water supply, a pipe or piping system, plumbing fixtures, appliance, container, receptacle, vessel or other devices that may allow for contaminated or used water or fluid, or any other substance of whatsoever nature other than the water supplied by District, to enter any part of District's water distribution system.
- g. **Customer** means any person or organization who receives water from the Coastside County Water District.
- h. **Customer's System** means the water piping system located immediately downstream from a meter or service connection.

- i. **Detector Check** means a by-pass metering device that detects any leakage or unauthorized use of water from fire or automatic sprinkler systems.
- j. **District** means Coastside County Water District.
- k. **District's Water Distribution System** means the water distribution system owned and operated by the District including the service connections to water mains, up to and including the water meter.
- l. **General Manager** means the General Manager of the District or his authorized representative is invested with the authority and responsibility for the implementation of an effective cross-connection control program and for the enforcement of the provisions of this regulation.
- m. **Master Meter** means a metered service connection that services more than one residential, commercial, industrial, institutional, agricultural, or governmental unit.
- n. **Multifamily Residential Service** means a service that supplies water through a master meter to a residential premises, 4-plex, apartment complex or trailer village.
- o. **Non Single Family Residential Service** means all services that are not a Single Family Residential Service. This includes all mixed use, fire, commercial, agricultural, institutional, governmental, multifamily or industrial water services.
- p. **Premises** means a parcel of land including all buildings and appurtenances located thereon.
- q. **Service Connection** means the meter and water piping system connecting the customer's system with the District's water distribution system.
- r. **Single Family Residential Service** means a service connection to a single family home or premises.
- s. **Temporary Water Use** means water used from a fire hydrant or other source on a temporary basis and metered through a portable water meter.

3. ***Requirements for Backflow Prevention Assemblies***

- a. **Existing Service Connections.** Unless otherwise specified by the District, a backflow prevention assembly must be installed on all existing Non Single Family Residence service connections and on Single Family Residential service connections that have an auxiliary water supply, a cross connection, a storage tank or other risk of backflow or contamination. ~~by January 2015.~~ Single family residential service fewer than three stories tall with no health threats, auxiliary water supply, or a second District water

service and are not under a master meter typically are exempt or qualify for a single check, non testable device to be installed as part of the meter change out program.

- b. New Service Connections:** A backflow prevention assembly must be installed on all new Non Single Family Residential Services and all new Single Family Residential water service connections that have an auxiliary water supply, a cross connection, or a risk of backflow or contamination. At the time an application for a new water service is made by a potential customer in accordance with procedures established by the District, the General Manager will review the application to determine the need for an approved, backflow prevention assembly on the customer's service. If a backflow prevention assembly is not required, a single check must be installed on the downstream end of the water meter.

- c. Upgrading of Existing Backflow Prevention Assemblies:** An existing backflow prevention assembly that does not provide adequate protection for the degree of potential hazard from backflow or contamination shall be upgraded at customer's expense.

- d. Commercial Fire Sprinkler Systems.** All services to commercial fire sprinkler systems require backflow protection at the point of connection to the District's supply. The type of backflow protection required is based on the sprinkler system construction. For the purposes of this determination:
 - i. Systems utilizing only the District's water supply will require at least a double check valve assembly.
 - ii. Systems utilizing the District's water supply and that also contain chemical additives, on site water storage, auxiliary water supplies, or fire booster pumps, shall require an RP device.
 - iii. Existing systems with a single detector check will not require retrofit provided the check valves are tested in accordance with NFPA 13 requirements and do not require replacement.
 - iv. Retrofitting existing fire sprinkler systems will require the customer to provide the Coastside Fire Protection District with an updated hydraulic analysis to certify proper system operation with the additional pressure loss.
 - v. The District, in addition to the Coastside Fire Protection District, shall review and approve all applications for construction or retrofit of commercial fire sprinkler systems.

- e. Residential Fire Sprinkler Systems.** All services to residential fire sprinkler systems require backflow protection at the point of connection to the District's supply. The type of backflow protection required is based on the sprinkler system construction. For the purposes of this determination:

- i. Systems utilizing only the District's water supply will require at least a single detector check assembly.
- ii. Systems utilizing the District's water supply and that also contain chemical additives, on site water storage, auxiliary water supplies, or fire booster pumps, shall require at least an RP device.
- iii. Existing systems with a single detector check will not require retrofit.

f. Construction and Temporary Water Use.

- i. Construction and temporary water use shall be metered and equipped with either an air gap separation or an RP device.
- ii. Inspection of air gap separation and testing of reduced pressure principle backflow prevention assemblies shall be a condition of temporary service and at the expense of the customer.

4. *Ownership of Backflow Prevention Assemblies*

Backflow prevention assemblies installed or upgraded by the customer shall remain the property of the customer. Customer shall be responsible for maintenance, inspection, and testing of backflow prevention assemblies as required herein.

5. *Maintenance, Inspection and Testing of Backflow Prevention Assemblies*

- a. Customer shall at all times maintain backflow prevention assemblies serving customer's premises in proper working order and provide for unobstructed access by District to the backflow prevention assemblies as a condition of continued water service.
- b. The customer's system must be open for inspection at all reasonable times to authorized representatives of the District to determine whether cross connections or other structural or sanitary hazards, including violations of these regulations, exist.
- c. If the customer allows the backflow certification to lapse, the water will be turned off 48 hours after the expiration of the backflow certification.
- d. Backflow prevention assemblies must be inspected and tested before a service is connected.

- e. District will send a courtesy notice to the customer of the annual backflow prevention assembly testing requirement. The Customer is responsible for the inspection and testing of backflow prevention assemblies. If the Customer does not provide the District with the backflow testing Certificate documenting that the backflow prevention assembly is working properly within 30 days of notification by the District of the need for testing, the District may contract for the testing and charge the Customer for the expense, or discontinue water service.
- f. Backflow prevention assemblies must pass an annual inspection or more frequently if the risk of contamination warrants it, by being inspected, tested, and certified by an Approved Tester.
- g. All expenses for installation, inspection, testing, repair and maintenance of backflow prevention assemblies shall be borne by the customer.

6. ***Enforcement***

- a. Water service to any premises may be discontinued by the District if the backflow prevention assemblies have not met the conditions set forth in this regulation or if the General Manager has determined that a situation exists which could cause contamination of the District's water distribution system. All backflow prevention assemblies that do not pass a backflow prevention assembly test must be repaired and in proper working order within thirty (30) days, or such shorter time period as the District determines to be necessary to minimize the risk of contamination. Service will not be restored until the General Manager has determined that the risk of contamination to the District's water distribution system has been corrected.
- b. Any person or persons, company, corporation or association, who willfully fails to properly install, or permit to be installed, backflow prevention assemblies as required by this regulation or who willfully by-passes, alters, removes or refuses to maintain a backflow prevention assembly, shall be guilty of a misdemeanor and upon conviction thereof shall be subject to a fine not exceeding \$500 or imprisonment in the county jail for a period not exceeding six months or both fine and imprisonment.

7. **Severability**

If any provision or part of this Ordinance is held to be invalid, or unenforceable in particular circumstances, such invalidity shall not affect the remainder of the Ordinance which shall continue to be of full force and effect and the Board declares this Ordinance to be severable for that purpose.

8. Publication

The General Manager is hereby directed to arrange for this Ordinance to be published in a newspaper of general circulation in the District within ten (10) days of its adoption.

PASSED AND ADOPTED this ___ day of _____ 2013 by the following votes of the Board of Directors:

AYES:

NOES;

ABSTAIN:

ABSENT:

Ken Coverdell, President
Board of Directors

ATTEST:

David R. Dickson
Secretary of the District

Accounts Payable

Checks by Date - Summary By Check Number

User: gbrazil
Printed: 7/30/2013 - 8:29 AM



Check Number	Vendor No	Vendor Name	Check Date	Void Checks	Check Amount
19010	ALL04	ALLIED WASTE SERVICES #9:	07/03/2013	0.00	333.63
19011	ASS01	HEALTH BENEFITS ACWA-JPI	07/03/2013	0.00	22,262.71
19012	CHE01	CHEVRON/TEXACO UNIVERS	07/03/2013	0.00	2,198.52
19013	COM02	COMCAST	07/03/2013	0.00	137.57
19014	DAD01	DADDY-O'S TO GO	07/03/2013	0.00	350.40
19015	HAS01	HASSETT HARDWARE	07/03/2013	0.00	379.61
19016	ICM01	VANTAGEPOINT TRANSFER /	07/03/2013	0.00	40.00
19017	KAI01	KAISER FOUNDATION HEAL	07/03/2013	0.00	9,959.00
19018	MAS01	MASS MUTUAL FINANCIAL G	07/03/2013	0.00	1,827.66
19019	PUB01	PUB. EMP. RETIRE SYSTEM	07/03/2013	0.00	18,653.33
19020	SAN20	SAN FRANCISCO FIRE CREDI	07/03/2013	0.00	300.00
19021	STA03	CA DPH DRINKING WATER PI	07/03/2013	0.00	55.00
19022	UNI12	UNION BANK OF CALIFORNIA	07/03/2013	0.00	2,238.50
19023	VAL01	VALIC	07/03/2013	0.00	1,465.00
19024	COU05	RECORDER'S OFFICE	07/09/2013	0.00	18.00
19025	BFI02	BFI OF CALIFORNIA, INC.	07/10/2013	0.00	428.92
19026	NOR07	NORTH AMERICAN TITLE CO	07/10/2013	0.00	500.00
19027	SCH04	TODD SCHMIDT	07/10/2013	0.00	2,812.50
19028	BRA04	GINA BRAZIL	07/19/2013	0.00	53.60
19029	ICM01	VANTAGEPOINT TRANSFER /	07/19/2013	0.00	40.00
19030	MAS01	MASS MUTUAL FINANCIAL G	07/19/2013	0.00	1,827.66
19031	MET06	METLIFE SBC	07/19/2013	0.00	1,331.38
19032	PAC01	PACIFIC GAS & ELECTRIC CO	07/19/2013	0.00	51,888.63
19033	PAC06	PACIFICA COMMUNITY TV	07/19/2013	0.00	250.00
19034	PAT05	DONALD PATTERSON	07/19/2013	0.00	200.00
19035	PUB01	PUB. EMP. RETIRE SYSTEM	07/19/2013	0.00	19,475.40
19036	SAN20	SAN FRANCISCO FIRE CREDI	07/19/2013	0.00	300.00
19037	STA03	CA DPH DRINKING WATER PI	07/19/2013	0.00	60.00
19038	TEA02	TEAMSTERS LOCAL UNION #	07/19/2013	0.00	743.00
19039	VAL01	VALIC	07/19/2013	0.00	1,565.00
19040	WEL01	WELLS FARGO BANK, N.A	07/19/2013	0.00	263,045.52
19041	ADP01	ADP, INC.	07/25/2013	0.00	582.45
19042	ADV02	FRANK YAMELLO	07/25/2013	0.00	235.00
19043	ANA01	ANALYTICAL ENVIRONMEN	07/25/2013	0.00	9,447.73
19044	AND01	ANDREINI BROS. INC.	07/25/2013	0.00	1,646.38
19045	ARB01	ARBORWELL	07/25/2013	0.00	15,650.00
19046	ARC01	KELLY ARCHER	07/25/2013	0.00	460.69
19047	ATT02	AT&T	07/25/2013	0.00	1,702.55
19048	ATT03	AT&T LONG DISTANCE	07/25/2013	0.00	234.89
19049	AZT01	AZTEC GARDENS, INC.	07/25/2013	0.00	190.00
19050	BAL04	BALANCE HYDROLOGICS, IN	07/25/2013	0.00	4,457.41
19051	BAR01	BARTKIEWICZ, KRONICK & S	07/25/2013	0.00	1,425.00
19052	BAY05	BAY AREA WATER SUPPLY &	07/25/2013	0.00	7,354.25
19053	BAY10	BAY ALARM COMPANY	07/25/2013	0.00	262.80
19054	BIG02	BIG ED'S CRANE SERVICE, IN	07/25/2013	0.00	2,475.00

Check Number	Vendor No	Vendor Name	Check Date	Void Checks	Check Amount
19055	BRI02	CHARLES BRICE	07/25/2013	0.00	300.00
19056	CAL08	CALCON SYSTEMS, INC.	07/25/2013	0.00	3,318.50
19057	CAL20	CALIFORNIA UTILITIES	07/25/2013	0.00	500.00
19058	CAR02	CAROLYN STANFIELD	07/25/2013	0.00	485.00
19059	CAR08	REGISTER TAPES UNLIMITED	07/25/2013	0.00	249.00
19060	COA19	COASTSIDE COUNTY WATER	07/25/2013	0.00	74.90
19061	CRE01	CRESO EQUIPMENT RENTAL	07/25/2013	0.00	1,220.93
19062	CSG01	DATAPROSE, INC.	07/25/2013	0.00	2,283.76
19063	CUL01	CULLIGAN SANTA CLARA, CA	07/25/2013	0.00	160.20
19064	CUR01	CURLEY & RED'S INC. BODY	07/25/2013	0.00	75.00
19065	FOR02	FORTE PRESS CORPORATION	07/25/2013	0.00	1,383.21
19066	GEN03	GENERAL CHEMICAL PERFORM	07/25/2013	0.00	2,259.84
19067	GRA03	GRAINGER, INC.	07/25/2013	0.00	548.35
19068	HAL01	HMB BLDG. & GARDEN INC.	07/25/2013	0.00	95.86
19069	HAL04	HALF MOON BAY REVIEW	07/25/2013	0.00	1,503.00
19070	HAL24	H.M.B.AUTO PARTS	07/25/2013	0.00	3.94
19071	HAN01	HANSONBRIDGETT. LLP	07/25/2013	0.00	5,123.10
19072	IMP02	WAYNE IMPINK	07/25/2013	0.00	100.00
19073	IRO01	IRON MOUNTAIN	07/25/2013	0.00	342.22
19074	IRV01	IRVINE CONSULTING SERVICES	07/25/2013	0.00	1,250.00
19075	IRV02	IRVINE CONSULTING SERVICES	07/25/2013	0.00	850.00
19076	JJA01	JJACPA, INC	07/25/2013	0.00	4,590.00
19077	LOM01	GLENNA LOMBARDI	07/25/2013	0.00	86.00
19078	MIS01	MISSION UNIFORM SERVICES	07/25/2013	0.00	212.66
19079	MON07	MONTEREY COUNTY LAB	07/25/2013	0.00	3,882.00
19080	NTU01	NTU TECHNOLOGIES, INC	07/25/2013	0.00	1,102.00
19081	OFF01	OFFICE DEPOT	07/25/2013	0.00	727.92
19082	ONL01	ONLINE RESOURCES	07/25/2013	0.00	150.00
19083	ONT01	ONTRAC	07/25/2013	0.00	200.15
19084	PAU01	PAULO'S AUTO CARE	07/25/2013	0.00	867.12
19085	PIT04	PITNEY BOWES	07/25/2013	0.00	198.00
19086	PRI01	PRINCETON WELDING, INC.	07/25/2013	0.00	3,099.23
19087	PUM01	PUMP REPAIR SERVICE CO. INC	07/25/2013	0.00	415.60
19088	RED01	RED WING SHOES	07/25/2013	0.00	186.37
19089	RIC01	RICOH USA, INC.	07/25/2013	0.00	809.57
19090	RIC02	RICOH AMERICAS CORP	07/25/2013	0.00	823.94
19091	BFI02	BFI OF CALIFORNIA, INC.	07/25/2013	0.00	904.92
19092	ROB01	ROBERTS & BRUNE CO.	07/25/2013	0.00	10,179.07
19093	ROG01	ROGUE WEB WORKS, LLC	07/25/2013	0.00	351.00
19094	SAN03	SAN FRANCISCO WATER DEPT	07/25/2013	0.00	234,794.73
19095	SEW01	SEWER AUTH. MID-COASTS	07/25/2013	0.00	2,850.00
19096	SPR04	SPRINGBROOK SOFTWARE, INC	07/25/2013	0.00	350.00
19097	T&T01	T & T VALVE AND INSTRUMENTS	07/25/2013	0.00	1,511.79
19098	TAP01	TAP PLASTICS, INC	07/25/2013	0.00	561.79
19099	TET01	JAMES TETER	07/25/2013	0.00	10,778.65
19100	UB*01158	JENNIFER LUERSSSEN	07/25/2013	0.00	50.35
19101	UB*01159	MITCHELL/BARBRA WITTEN	07/25/2013	0.00	75.00
19102	UB*01160	HALF MOON FLOWERS	07/25/2013	0.00	50.43
19103	UB*01161	ANDREA RUBIN	07/25/2013	0.00	64.08
19104	UB*01162	PILAR HOUK/DAVID MARTIN	07/25/2013	0.00	53.32
19105	UB*01163	SOMNATH SARKAR	07/25/2013	0.00	164.89
19106	UB*01164	SALVADOR FLORES LARIOS	07/25/2013	0.00	40.00
19107	UND01	UNDERGROUND SERVICE AL	07/25/2013	0.00	291.96
19108	UNI07	UNITED STATES POSTAL SERVICE	07/25/2013	0.00	600.00
19109	UNI15	UNIVAR USA INC	07/25/2013	0.00	2,965.95

Check Number	Vendor No	Vendor Name	Check Date	Void Checks	Check Amount
19110	USA01	USA BLUE BOOK	07/25/2013	0.00	929.59
Report Total:				0.00	757,909.58

COASTSIDE COUNTY WATER DISTRICT - PERIOD BUDGET ANALYSIS
31-Jul-13

ACCOUNT	DESCRIPTION	CURRENT ACTUAL	CURRENT BUDGET	B/(W) VARIANCE	B/(W) % VAR	YTD ACTUAL	YTD BUDGET	B/(W) VARIANCE	B/(W) % VAR
OPERATING REVENUE									
1-0-4120-00	Water Revenue -All Areas	735,653.28	857,285.00	(121,631.72)	-14.2%	735,653.28	857,285.00	(121,631.72)	-14.2%
TOTAL OPERATING REVENUE		735,653.28	857,285.00	(121,631.72)	-14.2%	735,653.28	857,285.00	(121,631.72)	-14.2%
NON-OPERATING REVENUE									
1-0-4170-00	Water Taken From Hydrants	2,940.93	2,083.37	857.56	41.2%	2,940.93	2,083.37	857.56	41.2%
1-0-4180-00	Late Notice -10% Penalty	6,071.37	5,833.37	238.00	4.1%	6,071.37	5,833.37	238.00	4.1%
1-0-4230-00	Service Connections	1,165.83	666.74	499.09	74.9%	1,165.83	666.74	499.09	74.9%
1-0-4920-00	Interest Earned	604.07	761.25	(157.18)	0.0%	604.07	761.25	(157.18)	-20.6%
1-0-4930-00	Tax Apportionments/Cnty Checks	13,325.02	15,000.00	(1,674.98)	0.0%	13,325.02	15,000.00	(1,674.98)	-11.2%
1-0-4950-00	Miscellaneous Income	486.52	3,083.37	(2,596.85)	-84.2%	486.52	3,083.37	(2,596.85)	-84.2%
1-0-4955-00	Cell Site Lease Income	11,220.26	10,121.00	1,099.26	10.9%	11,220.26	10,121.00	1,099.26	10.9%
1-0-4965-00	ERAF REFUND -County Taxes	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
1-0-4990-00	Water Sales Refunded	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
TOTAL NON-OPERATING REVENUE		35,814.00	37,549.10	(1,735.10)	-4.6%	35,814.00	37,549.10	(1,735.10)	-4.6%
TOTAL REVENUES		771,467.28	894,834.10	(123,366.82)	-13.8%	771,467.28	894,834.10	(123,366.82)	-13.8%
OPERATING EXPENSES									
1-1-5130-00	Water Purchased	234,794.73	175,146.00	(59,648.73)	-34.1%	234,794.73	175,146.00	(59,648.73)	-34.1%
1-1-5230-00	Pump Exp, Nunes T P	2,452.43	2,487.00	34.57	1.4%	2,452.43	2,487.00	34.57	1.4%
1-1-5231-00	Pump Exp, CSP Pump Station	39,749.23	14,664.00	(25,085.23)	-171.1%	39,749.23	14,664.00	(25,085.23)	-171.1%
1-1-5232-00	Pump Exp, Trans. & Dist.	1,290.97	1,217.00	(73.97)	-6.1%	1,290.97	1,217.00	(73.97)	-6.1%
1-1-5233-00	Pump Exp, Pilarcitos Can.	256.77	150.00	(106.77)	-71.2%	256.77	150.00	(106.77)	-71.2%
1-1-5234-00	Pump Exp. Denniston Proj.	7,471.88	8,185.00	713.12	8.7%	7,471.88	8,185.00	713.12	8.7%
1-1-5235-00	Denniston T.P. Operations	1,638.34	1,619.00	(19.34)	-1.2%	1,638.34	1,619.00	(19.34)	-1.2%
1-1-5236-00	Denniston T.P. Maintenance	13,018.49	3,163.00	(9,855.49)	-311.6%	13,018.49	3,163.00	(9,855.49)	-311.6%
1-1-5240-00	Nunes T P Operations	5,524.56	6,954.00	1,429.44	20.6%	5,524.56	6,954.00	1,429.44	20.6%
1-1-5241-00	Nunes T P Maintenance	6,494.21	3,750.00	(2,744.21)	-73.2%	6,494.21	3,750.00	(2,744.21)	-73.2%
1-1-5242-00	CSP Pump Station Operations	747.90	712.00	(35.90)	-5.0%	747.90	712.00	(35.90)	-5.0%
1-1-5243-00	CSP Pump Station Maintenance	2,816.57	3,337.00	520.43	15.6%	2,816.57	3,337.00	520.43	15.6%
1-1-5250-00	Laboratory Services	4,082.15	2,500.00	(1,582.15)	-63.3%	4,082.15	2,500.00	(1,582.15)	-63.3%
1-1-5318-00	Studies/Surveys/Consulting	0.00	6,250.00	6,250.00	100.0%	0.00	6,250.00	6,250.00	100.0%
1-1-5321-00	Water Conservation	3,179.24	4,837.00	1,657.76	34.3%	3,179.24	4,837.00	1,657.76	34.3%
1-1-5322-00	Community Outreach	2,897.90	2,641.74	(256.16)	-9.7%	2,897.90	2,641.74	(256.16)	-9.7%
1-1-5411-00	Salaries & Wages -Field	70,899.47	72,802.46	1,902.99	2.6%	70,899.47	72,802.46	1,902.99	2.6%
1-1-5412-00	Maintenance -General	5,759.25	14,038.00	8,278.75	59.0%	5,759.25	14,038.00	8,278.75	59.0%

ACCOUNT	DESCRIPTION	CURRENT ACTUAL	CURRENT BUDGET	B/(W) VARIANCE	B/(W) % VAR	YTD ACTUAL	YTD BUDGET	B/(W) VARIANCE	B/(W) % VAR
1-1-5414-00	Motor Vehicle Expense	3,144.58	4,219.00	1,074.42	25.5%	3,144.58	4,219.00	1,074.42	25.5%
1-1-5415-00	Maintenance -Well Fields	0.00	837.00	837.00	100.0%	0.00	837.00	837.00	100.0%
1-1-5610-00	Salaries/Wages-Administration	49,034.86	52,241.00	3,206.14	6.1%	49,034.86	52,241.00	3,206.14	6.1%
1-1-5620-00	Office Supplies & Expense	9,539.19	11,885.49	2,346.30	19.7%	9,539.19	11,885.49	2,346.30	19.7%
1-1-5621-00	Computer Services	2,938.57	6,655.00	3,716.43	55.8%	2,938.57	6,655.00	3,716.43	55.8%
1-1-5625-00	Meetings / Training / Seminars	3,015.85	1,666.74	(1,349.11)	-80.9%	3,015.85	1,666.74	(1,349.11)	-80.9%
1-1-5630-00	Insurance	5,864.83	16,250.00	10,385.17	63.9%	5,864.83	16,250.00	10,385.17	63.9%
1-1-5635-00	EE/Ret. Medical Insurance	31,014.60	34,173.12	6,510.37	19.1%	31,014.60	34,173.12	3,158.52	9.2%
1-1-5640-00	Employees Retirement Plan	35,925.03	36,934.00	1,008.97	2.7%	35,925.03	36,934.00	1,008.97	2.7%
1-1-5645-00	SIP 401K Plan	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
1-1-5681-00	Legal	4,199.10	5,000.00	800.90	16.0%	4,199.10	5,000.00	800.90	16.0%
1-1-5682-00	Engineering	583.11	1,166.74	583.63	50.0%	583.11	1,166.74	583.63	50.0%
1-1-5683-00	Financial Services	4,590.00	5,000.00	410.00	0.0%	4,590.00	5,000.00	410.00	0.0%
1-1-5684-00	Payroll Tax Expense	9,188.37	8,968.46	(219.91)	-2.5%	9,188.37	8,968.46	(219.91)	-2.5%
1-1-5687-00	Membership, Dues, Subscript.	6,247.25	5,864.24	(383.01)	-6.5%	6,247.25	5,864.24	(383.01)	-6.5%
1-1-5688-00	Election Expenses	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
1-1-5689-00	Labor Relations	0.00	500.00	500.00	100.0%	0.00	500.00	500.00	100.0%
1-1-5700-00	San Mateo County Fees	0.00	1,391.74	1,391.74	0.0%	0.00	1,391.74	1,391.74	0.0%
1-1-5705-00	State Fees	0.00	1,166.74	1,166.74	0.0%	0.00	1,166.74	1,166.74	0.0%
TOTAL OPERATING EXPENSES		568,359.43	518,372.47	(49,986.96)	-9.6%	568,359.43	518,372.47	(49,986.96)	-9.6%
CAPITAL ACCOUNTS									
1-1-5711-00	Debt Srvc/Existing Bonds 1998A	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
1-1-5712-00	Debt Srvc/Existing Bonds 2006B	2,238.50	0.00	(2,238.50)	0.0%	2,238.50	0.00	(2,238.50)	0.0%
1-1-5715-00	Debt Srvc/CIEDB 11-099 (I-BANK)	263,045.52	263,046.00	0.48	0.0%	263,045.52	263,046.00	0.48	0.0%
TOTAL CAPITAL ACCOUNTS		265,284.02	263,046.00	2,238.02	0.0%	265,284.02	263,046.00	(2,238.02)	-0.9%
TOTAL EXPENSES		833,643.45	781,418.47	(52,224.98)	-6.7%	833,643.45	781,418.47	(52,224.98)	-6.7%
NET INCOME				(62,176.17)		(62,176.17)			

**COASTSIDE COUNTY WATER DISTRICT
MONTHLY INVESTMENT REPORT
July 31, 2013**

RESERVE BALANCES

CAPITAL AND OPERATING RESERVE	\$2,464,878.63
RATE STABILIZATION RESERVE	\$250,000.00

TOTAL DISTRICT RESERVES	\$2,714,878.63
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ACCOUNT DETAIL

ACCOUNTS WITH FIRST NATIONAL BANK (FNB)	
CHECKING ACCOUNT	\$1,076,607.24
CSP T & S ACCOUNT	\$621,286.07

LOCAL AGENCY INVESTMENT FUND (LAIF) BALANCE	\$1,016,355.32
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DISTRICT CASH ON HAND	\$630.00
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TOTAL ACCOUNT BALANCES	\$2,714,878.63
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This report is in conformity with CCWD's Investment Policy.

**COASTSIDE COUNTY WATER DISTRICT
APPROVED CAPITAL IMPROVEMENT PROJECTS
FISCAL YEAR 2013-2014**

7/31/2013

		Approved CIP Budget FY13/14	Actual To Date FY 13/14	Projected Year-End FY 13/14	Projected vs. Budget Variance	% Completed	Project Status/ Comments
EQUIPMENT PURCHASE & REPLACEMENT							
06-03	SCADA / Telemetry / Electrical Controls	\$ 250,000		\$ 250,000	\$ -	0%	Working with Calcon to develop first phase
99-03	Computer System	\$ 5,000		\$ 5,000	\$ -	0%	
99-04	Office Equipment/Furniture	\$ 3,000		\$ 3,000	\$ -	0%	

FACILITIES & MAINTENANCE

08-08	PRV Valves Replacement Program	\$ 30,000		\$ 30,000	\$ -	0%	
09-09	Fire Hydrant Replacement	\$ 20,000	\$ 9,996	\$ 20,000	\$ -	50%	
09-23	District Digital Mapping	\$ 50,000		\$ 50,000	\$ -	0%	
14-11	Replace 2" and Larger Meters with Omni Meters	\$ 30,000		\$ 30,000	\$ -	0%	
14-12	Harbor District Vault & Meter Replacement	\$ 70,000		\$ 70,000	\$ -	0%	
14-15	Replace Administration Building Roof	\$ 30,000		\$ 30,000	\$ -	0%	
99-01	Meter Change Program	\$ 20,000		\$ 20,000	\$ -	0%	

PIPELINE PROJECTS

06-01	Avenue Cabrillo Phase 2 & 3 Pipeline Replacement	\$ 246,000	3,655	\$ 246,000	\$ -	1%	Opening Phase 2 bids September 3
10-02	Bridgeport Drive Pipeline Replacement Project	\$ 110,000		\$ 110,000	\$ -	0%	K/J working on hydraulic model for design input
12-03	Crystal Springs Pipeline Air/Vacuum Valves	\$ 20,000		\$ 20,000	\$ -	0%	
13-02	Replace 8 Inch Pipeline Under Creek at Pilarcitos Ave	\$ 25,000		\$ 25,000	\$ -	0%	J Teter will design

PUMP STATIONS / TANKS / WELLS

06-04	Hazen's Tank Replacement	\$ 400,000		\$ 400,000	\$ -	0%	J Teter to design replacement
08-14	Alves Tank Recoating, Interior & Exterior	\$ 400,000		\$ 400,000	\$ -	0%	
08-17	EI Granada Tank #2 Recoating & Ladder	\$ 300,000	\$ 852	\$ 550,000	\$ (250,000)	0%	Contract awarded, work initiated
11-03	Miramar Tank Altitude Valve Replacement	\$ 30,000		\$ 30,000	\$ -	0%	
12-06	CSPS Surge Tank Control Improvements	\$ 80,000		\$ 80,000	\$ -	0%	Project in Calcon schedule
12-09	EI Granada Tank # 2 Fence Replacement	\$ 25,000		\$ 25,000	\$ -	0%	
12-11	Miramar Tank Fence Replacement	\$ 25,000		\$ 25,000	\$ -	0%	
13-08	Crystal Springs Spare 350 HP Pump and Motor	\$ 50,000		\$ 50,000	\$ -	0%	
14-17	Crystal Springs Pump Station Electrical Controls Upgrades	\$ 50,000		\$ 50,000	\$ -	0%	
14-23	Alves Tank Generator Enclosure	\$ 15,000		\$ 15,000	\$ -	0%	

WATER SUPPLY DEVELOPMENT

12-12	San Vicente Diversion and Pipeline	\$ 300,000		\$ 300,000	\$ -	0%	K/J has submitted preliminary hydraulic evaluation
13-12	CCWD-MWSD Emergency Intertie - Planning	\$ 25,000		\$ 25,000	\$ -	0%	On hold pending further discussion with MWSD
14-24	Denniston/San Vicente EIR & Permitting	\$ 100,000	\$ 10,873	\$ 100,000	\$ -	11%	Working with AES to complete draft EIR
14-25	Water Shortage Plan Development	\$ 50,000		\$ 50,000	\$ -	0%	

WATER TREATMENT PLANTS

12-04	Denniston Treated Water Booster Station	\$ 600,000		\$ 600,000	\$ -	0%	Need hydraulic model before going to final design
12-05	Nunes Access Road Repaving	\$ 100,000		\$ 100,000	\$ -	0%	
12-14	Nunes - Hydro pneumatic Systems Improvement	\$ 40,000		\$ 40,000	\$ -	0%	
14-02	Nunes - Replace Sludge Pond Media	\$ 25,000		\$ 25,000	\$ -	0%	
14-04	Denniston - Dust Control	\$ 10,000		\$ 10,000	\$ -	0%	
14-07	Nunes - New Surface Scatter 7 Turbidimeter	\$ 7,000		\$ 7,000	\$ -	0%	
14-08	Nunes - New Storage Container	\$ 7,000		\$ 7,000	\$ -	0%	
14-10	Nunes - Emergency Power Switchgear	\$ 30,000		\$ 30,000	\$ -	0%	
99-05	Denniston Maintenance Dredging	\$ 60,000	\$ 700	\$ 60,000	\$ -	1%	Work to be completed before 10/15/13

FY 13/14 TOTALS \$ 3,638,000 \$ 26,076 \$ 3,888,000 \$ (250,000)

**COASTSIDE COUNTY WATER DISTRICT
 APPROVED CAPITAL IMPROVEMENT PROJECTS
 FISCAL YEAR 2013-2014**

7/31/2013

Approved CIP Budget FY13/14	Actual To Date FY 13/14	Projected Year-End FY 13/14	Projected vs. Budget Variance	% Completed	Project Status/ Comments
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Previous CIP Projects - paid in FY 13/14

Cahill Tank Repairs	\$ 5,574				
Avenue Portola Pipeline Replacement	\$ 183				
Denniston WTP Improvement Project	\$ 292				
Nunes - Replace Washwater Return Pump #2	\$ 124				
Denniston Water Supply Development	\$ 4,457				

PREVIOUS YEAR TOTALS \$ - \$ 10,630 \$ - \$ -

UNSCHEDULED ITEMS (CAPITAL EXPENDITURES) FOR CURRENT FISCAL YEAR 13/14

San Benito Pipeline Replacement Project	\$ 5,867				

NON-BUDGETED TOTALS \$ - \$ 5,867 \$ - \$ -

CIP TOTALS \$ 3,638,000 \$ 42,573 \$ 3,888,000

**Legal Cost Tracking Report
12 Months At-A-Glance**

**Acct. No.5681
Patrick Miyaki - HansonBridgett, LLP
Legal**

Month	Admin (General Legal Fees)	Water Supply Develpmnt	Transfer Program	CIP	Denniston WTP Improvements Project	Personnel	Lawsuits	Infrastructure Project Review (Reimbursable)	TOTAL
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Aug-12	5,351		410					2,375	8,135
Sep-12	7,664		382						8,046
Oct-12	1,304		328	2,862					4,493
Nov-12	1,709	2,675		928				410	5,722
Dec-12	2,457	710		382					3,549
Jan-13	901							519	1,420
Feb-13	3,195			55				491	3,741
Mar-13	6,782	364						56	7,202
Apr-13	1,981	420						2,100	4,501
May-13	5,493			527					6,020
Jun-13	3,503		252						3,755
Jul-13	4,199			924					5,123

TOTAL	44,538	4,169	1,371	5,678	0	0	0	5,951	61,707
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**Engineer Cost Tracking Report
12 Months At-A-Glance**

**Acct. No. 5682
JAMES TETER
Engineer**

Month	Admin & Retainer	CIP	Studies & Projects	TOTAL	Reimbursable from Projects
Aug-12	480	459	1,099	2,038	
Sep-12	480	9,600	1,775	11,855	1,775
Oct-12	649	5,762	3,033	9,444	3,033
Nov-12	480	4,627	3,141	8,247	3,141
Dec-12	360	8,362	23	8,744	23
Jan-13	480	11,243		11,723	
Feb-13	502	8,604	187	9,292	187
Mar-13	360	5,671	169	6,200	169
Apr-13	903	3,987	646	5,535	646
May-13	480	1,604	3,557	5,640	5,640
Jun-13	949	2,518	8,994	12,461	8,994
Jul-13	583	10,150	45	10,779	45
TOTAL	6,705	72,588	22,666	101,959	23,653

COASTSIDE COUNTY WATER DISTRICT

766 MAIN STREET

HALF MOON BAY, CA 94019

MINUTES OF THE BOARD OF DIRECTORS MEETING

Tuesday, July 9, 2013

- 1) **ROLL CALL:** President Ken Coverdell called the meeting to order at 7:00 p.m. Present at roll call: Director Bob Feldman and Vice-President Glenn Reynolds. Director Hannegan arrived and joined the meeting at 7:03 p.m. Director Mickelsen was absent.

Also present were: David Dickson, General Manager, Joe Guistino, Superintendent of Operations, Julie Sherman, Legal Counsel; JoAnne Whelen, Administrative Assistant/Recording Secretary; Cathleen Brennan, Water Resources Analyst and Gina Brazil, Office Manager.

- 2) **PLEDGE OF ALLEGIANCE**

- 3) **PUBLIC COMMENT:** There were no public comments.

- 4) **CONSENT CALENDAR**

- A. Approval of disbursements for the month ending June 30, 2013:
Claims: \$598,785.65; Payroll: \$71,873.06; for a total of \$670,658.71
➤ *June 2013 Monthly Financial Claims reviewed by Director Feldman*
- B. Acceptance of Financial Reports
- C. Approval of Minutes of June 11, 2013 Regular Board of Directors Meeting
- D. Installed Water Connection Capacity and Water Meters Report
- E. Total CCWD Production Report
- F. CCWD Monthly Sales by Category Report – June, 2013
- G. June 2013 Leak Report
- H. Rainfall Reports
- I. San Francisco Public Utilities Commission Hydrological Conditions Report for June 2013

Director Feldman reported that he had reviewed the monthly financial claims and

found all to be in order. President Coverdell thanked staff for the additional information in identifying the Director responsible for reviewing the monthly claims and for the addition of the percentage completion data that he had requested be included on the monthly reports.

ON MOTION BY Vice-President Reynolds and seconded by Director Feldman, the Board voted as follows, to accept and approve the Consent Calendar, in its entirety:

Director Mickelsen	Absent
Vice-President Reynolds	Aye
Director Hannegan	Absent
Director Feldman	Aye
President Coverdell	Aye

5) MEETINGS ATTENDED / DIRECTOR COMMENTS

There were no reports of Director meetings attended or comments.

6) GENERAL BUSINESS

A. Consider approval of Resolution 2013-06 Establishing Appropriations Limit Applicable to District during Fiscal Year 2013-2014

Mr. Dickson explained that the appropriations limit is the maximum amount of tax proceeds that the District can appropriate during the fiscal year. He also explained that because the appropriations limit is far in excess of the amount of "proceeds of taxes" available to the District, the increase will not have any effect upon the District's budget this year or in the foreseeable future. Ms. Sherman elaborated on the Gann Initiative and the factors used to calculate the appropriations limits and answered a few questions from the Board.

ON MOTION BY Director Hannegan and seconded by Vice-President Reynolds, the Board voted as follows, to adopt Resolution 2013-06 establishing appropriations limit applicable to District during Fiscal Year 2013-2014:

Director Mickelsen	Absent
Vice-President Reynolds	Aye
Director Hannegan	Aye
Director Feldman	Aye
President Coverdell	Aye

B. Approval of Additional Water Treatment Position

Mr. Dickson noted that this additional Water Treatment Position had been discussed with the District's Human Resources (HR) Committee a couple of months ago. He explained how the position relates to the upgraded Denniston Water Treatment Plant, now back in operation, and that the CDM study performed in 2006 also concluded that the District was understaffed in the treatment division. Mr. Dickson outlined the treatment staff duties and responsibilities, referenced the District's Organization Chart, and proposed to increase treatment plant staffing by adding one dedicated Treatment/Distribution Operator position. He also noted that the additional operating expense associated with this new position has already been included in the District's financing plan, and is covered by the Fiscal Year 2013-2014 rate increase.

Director Hannegan commented that he and Director Mickelsen had reviewed the District's staffing needs at the last HR Committee meeting and agreed that this position is necessary. Director Feldman and Vice-President Reynolds also expressed their support of the additional position.

ON MOTION BY Vice-President Reynolds and seconded by Director Hannegan, the Board voted as follows to authorize staff to create and fill one additional Water Treatment Operator position:

Director Mickelsen	Absent
Vice-President Reynolds	Aye
Director Hannegan	Aye
Director Feldman	Aye
President Coverdell	Aye

C. California Special Districts Association (CSDA) - 2013 Board Election Region 3, Seat B

Mr. Dickson introduced this agenda item and explained that as a member of CSDA, the District's Board of Directors has the opportunity to participate in the CSDA Board elections process by casting a vote for one of the candidates seeking to represent Region 3. Brief discussion ensued, with Director Feldman commenting that he felt Ms. Sterrett's credentials were very impressive and that the other two candidates had not submitted a candidate statement and suggested the Board continue to support Sherry Sterrett.

ON MOTION BY Director Feldman and seconded by President Coverdell, the Board voted as follows, to vote for Sherry M. Sterrett to serve on the Seat B, Region 3, CSDA Board of Directors for the 2013 Election:

Director Mickelsen	Absent
Vice-President Reynolds	Aye
Director Hannegan	Aye
Director Feldman	Aye
President Coverdell	Aye

D. Ordinance Modifying Section W of the District's General Regulations Regarding Water Service Pertaining to the Control of Backflow and Cross-Connection

Mr. Dickson informed the Board that Mr. Guistino and District staff, with the assistance of District Counsel Patrick Miyaki, have been working together for quite some time in drafting this ordinance. Mr. Guistino reviewed the background of the Backflow Program since the District took over the responsibility from San Mateo County in 2005. He recapped details of Resolution 2004-15, adopted in August of 2004, and explained that the revised regulations contained in this new ordinance require all non-residential services and residential services with alternate water sources to have a backflow assembly installed by January 2015. He also stated that the new ordinance has been modeled after similar ordinances enacted by other municipalities and water districts in California and Nevada and its simplicity makes backflow requirements easier to understand and less subject to challenge. Discussion ensued, with the Directors sharing their comments and Mr. Dickson and Mr. Guistino answering the Board's questions about the proposed modifications to the program.

MOTION PROPOSED BY Director Hannegan and seconded by Vice-President Reynolds, to adopt staff's recommendation to conduct a public hearing on August 13, 2013 on the proposed ordinance, providing that, in addition to publishing the proposed ordinance in the Half Moon Bay Review before the public hearing, the District also send a letter to all of the businesses in the District's service area, notifying them of the public hearing regarding the proposed ordinance and its implications, furthermore, consideration be given to publishing some type of opinion piece in the Half Moon Bay Review to assist District customers in understanding the ordinance.

Discussion ensued, including the possibility of conducting a special meeting to address the public hearing. Mr. Dickson also summarized his understanding of the direction to staff, which included notification of all of the affected District's non-

residential customers and multi-family property owners of the August 13, 2013 public hearing, and also to eventually provide some backflow program outreach services to residential customers, although not on the critical path of the public hearing. At this point in the meeting, Director Hannegan withdrew his original motion and restated it as follows:

ON MOTION BY Director Hannegan and seconded by Vice-President Reynolds, the Board voted, as follows, to approve the scheduling of the public hearing on August 13, 2013 regarding the proposed ordinance modifying Section W of the District's General Regulations Regarding Water Service Pertaining to the Control of Backflow and Cross-Connections, subject to notifying all of the affected customers of the ordinance and implications and provide substantial related outreach prior to the August 13, 2013 public hearing:

Director Mickelsen	Absent
Vice-President Reynolds	Aye
Director Hannegan	Aye
Director Feldman	Aye
President Coverdell	Aye

7) GENERAL MANAGER'S REPORT - INCLUDING MONTHLY INFORMATIONAL REPORTS

Mr. Dickson noted that he did not have anything to report, and referred the Board to the Superintendent's Operations Report.

A. Operations Report

Mr. Guistino shared some monthly highlights, including the successful site visit from the sanitary engineer with the California Department of Public Health (DPH), and the new coagulant approved for use by the DPH.

President Coverdell commended staff for the completion and the successful operation of the Denniston Water Treatment Plant, adding that it was an amazing accomplishment and tribute to the District's staff.

B. Water Resources Report

Ms. Brennan reported on the District's recently distributed Consumer Confidence Report and informed the Board of the District's participation in the Environmental Protection Agency's WaterSense program.

8) DIRECTOR AGENDA ITEMS - REQUESTS FOR FUTURE BOARD MEETINGS

There were no requests from the Board for future board meeting agenda items. However, President Coverdell shared that he had recently enjoyed the opportunity to visit the Calaveras Dam and witness the progress of the construction project.

9) ADJOURNMENT

President Coverdell adjourned the meeting at 8:30 p.m. The next meeting of the Coastside County Water District's Board of Directors will be on Tuesday, August 13, 2013.

Respectfully submitted,

David R. Dickson, General Manager
Secretary of the District

Ken Coverdell, President
Board of Directors

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: August 13, 2013

Report

Date: July 10, 2013

Subject: Monthly Water Transfer Report

Recommendation:

None. For Board information purposes only.

Background:

At the December 10, 2002 Board meeting and November 18, 2003 Special Board meeting, the Board made several changes to the District's water transfer policy. One of the changes directed the General Manager to approve routine water transfer applications that met the District's criteria as embodied in Resolution 2002-17 and Resolution 2003-19. The General Manager was also directed to report the number of water transfers approved each month as part of the monthly Board packet information.

Since the previous Board meeting in June 2013, an application to transfer one---5/8" (20 gpm) non-priority water service connection was approved. A spreadsheet reporting this transfer follows this report as well as the approval memorandum from Patrick Miyaki and the confirmation letter from Glenna Lombardi.

WATER TRANSFERS APPROVED FOR THE 2013 CALENDAR YEAR

DONATING APN	RECIPIENT APN	PROPERTY OWNERS	# of CONNECTIONS	DATE
047-122-020	048-153-240	Alfred Perruquet to Steven Weed	1--5/8" (20 gpm)	Jul-13

Memorandum

VIA ELECTRONIC MAIL

TO: Glenna Lombardi
FROM: Patrick T. Miyaki
DATE: July 5, 2013
RE: **Application to Transfer Uninstalled Non-Priority Water Service Connection
from Alfred Perruquet to Steven Weed**

Glenna, I reviewed the Application to transfer one 5/8-inch uninstalled non-priority water service connection from property owned by Alfred E. Perruquet (APN 047-122-020) to property owned by Steven A. Weed (APN 048-153-240).

The Application is generally in order and satisfies the requirements of the District's General Regulations Regarding Water Service, Section U, Transfer of Uninstalled Water Service Connection Rights.

Please do not hesitate to contact me if you have any questions or want to discuss this matter in more detail.

cc: David Dickson

July 9, 2013

Mr. Alfred E. Perruquet
P.O. Box 1
El Granada, CA 94018-0001

Steven A. Weed
2144 Harkins Avenue
Menlo Park, CA 94025

RE: Request to Transfer a Water Service Connection

Dear Property Owners:

This letter is confirming that the Coastside County Water District has approved your request to transfer one—5/8” (20 gpm) non-priority water service connection. The result of this transfer is as follows:

- APN **047-122-020** has no present right to a water service connection from the Coastside County Water Districted; and
- APN **048-153-240** now has one---5/8” (20 gpm) non-priority water service connection assigned to it from the Crystal Springs Project.

Please be advised that the City council of the City of Half Moon Bay has taken the position that the transfer of a water service connection meets the definition of “development” so as to require a coastal development permit from the City. Applicants are advised to investigate this issue further with the Half Moon Bay Planning Department if applicable. The Coastside County Water District, in approving this application, does not make any representations or warranties with respect to further permits or approvals required by other governmental agencies, including the City of Half Moon Bay.

Sincerely,

Glenna Lombardi

cc: David Dickson, General Manager

TOTAL CCWD PRODUCTION (MG) ALL SOURCES- FY 2014

	PILARCITOS WELLS	PILARCITOS LAKE	DENNISTON WELLS	DENNISTON RESERVOIR	CRYSTAL SPRINGS RESERVOIR	RAW WATER TOTAL	UNMETERED WATER	TREATED TOTAL
JUL	0.00	0.00	0.00	0.00	75.61	75.61	0.40	75.21
AUG								
SEPT								
OCT								
NOV								
DEC								
JAN								
FEB								
MAR								
APR								
MAY								
JUN								
TOTAL	0.00	0.00	0.00	0.00	75.61	75.61	0.40	75.21
% MONTHLY TOTAL	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	0.53%	99.47%
% ANNUAL TO DATE TOTAL	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	0.53%	99.5%

th Running Treated Total **732.34**

DUCTION (MG) ALL SOURCES- FY 2013

	PILARCITOS WELLS	PILARCITOS LAKE	DENNISTON WELLS	DENNISTON RESERVOIR	CRYSTAL SPRINGS RESERVOIR	RAW WATER TOTAL	UNMETERED WATER	TREATED TOTAL
JUL	0.00	20.63	0.00	0.00	44.25	83.09	-0.13	83.22
AUG	0.00	18.98	0.00	0.00	42.67	79.21	1.13	78.08
SEPT	0.00	0.00	0.00	0.00	57.31	75.57	-0.04	75.61
OCT	0.00	0.00	0.00	0.00	48.48	66.51	0.21	66.30
NOV	3.74	0.00	0.00	0.00	46.21	49.95	0.41	49.54
DEC	4.6	15.25	0.00	0.00	13.35	41.06	0.08	40.98
JAN	7.64	30.77	0.00	2.00	0.10	40.511	0.17	40.34
FEB	13	23.31	0.00	1.73	7.59	45.63	0.92	44.71
MAR	13.43	23.52	0.00	8.08	3.35	48.38	0.17	48.21
APR	0.00	2.57	0.00	12.99	46.99	62.55	0.48	62.06
MAY	0.00	0.00	0.50	7.51	75.27	83.28	1.01	82.27
JUN	0	0.00	0.17	7.25	62.13	69.55	0.52	69.03
	42.41	135.03	0.67	39.56	447.70	745.29	4.95	740.34
TOTAL	42.41	135.03	0.67	39.56	447.70	745.29	4.95	740.34
% TOTAL	5.7%	18.1%	0.1%	5.3%	60.1%	89.3%	0.66%	99.3%

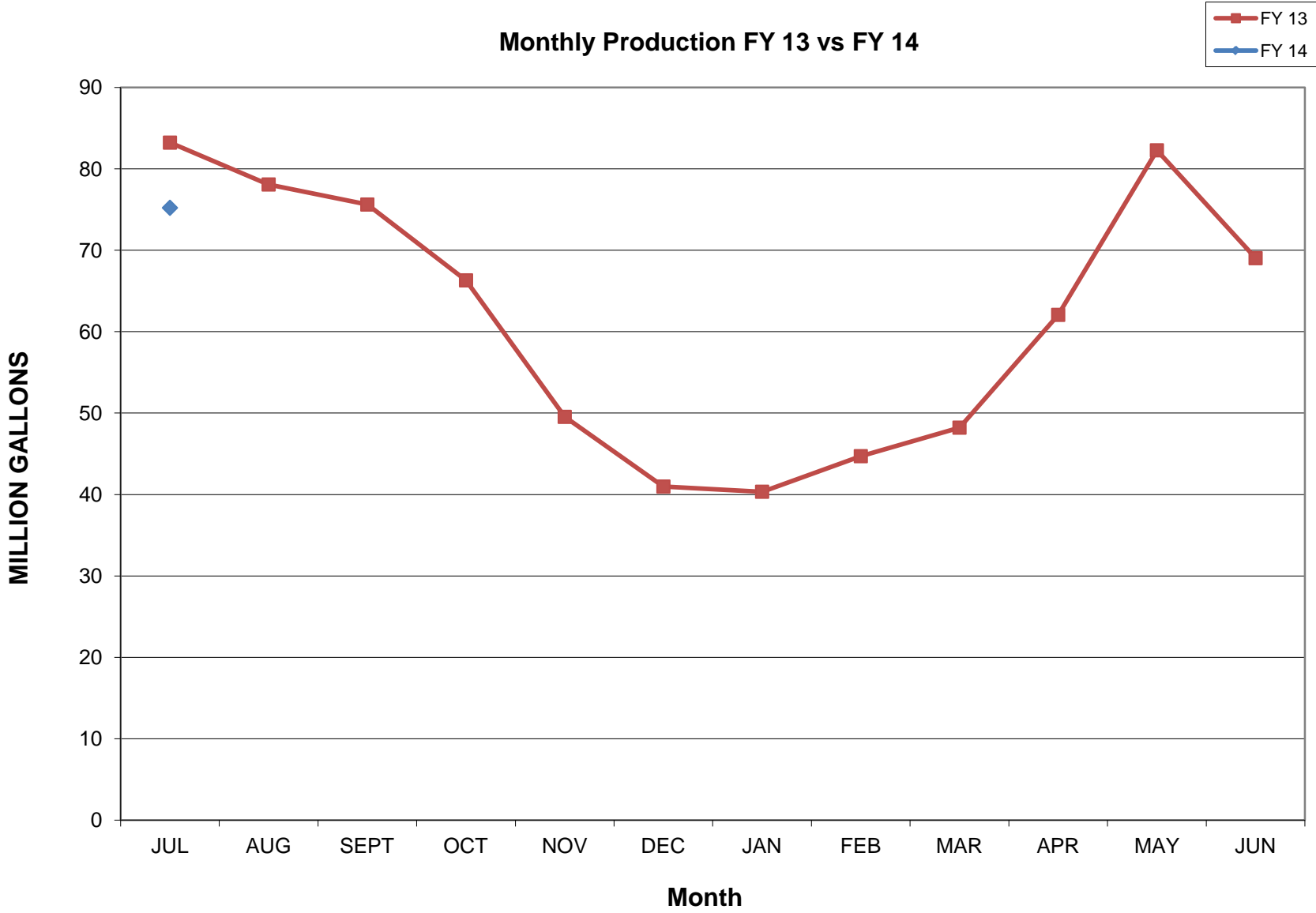
COASTSIDE COUNTY WATER DISTRICT

Predicted vs Actual Production - All Sources FY 14

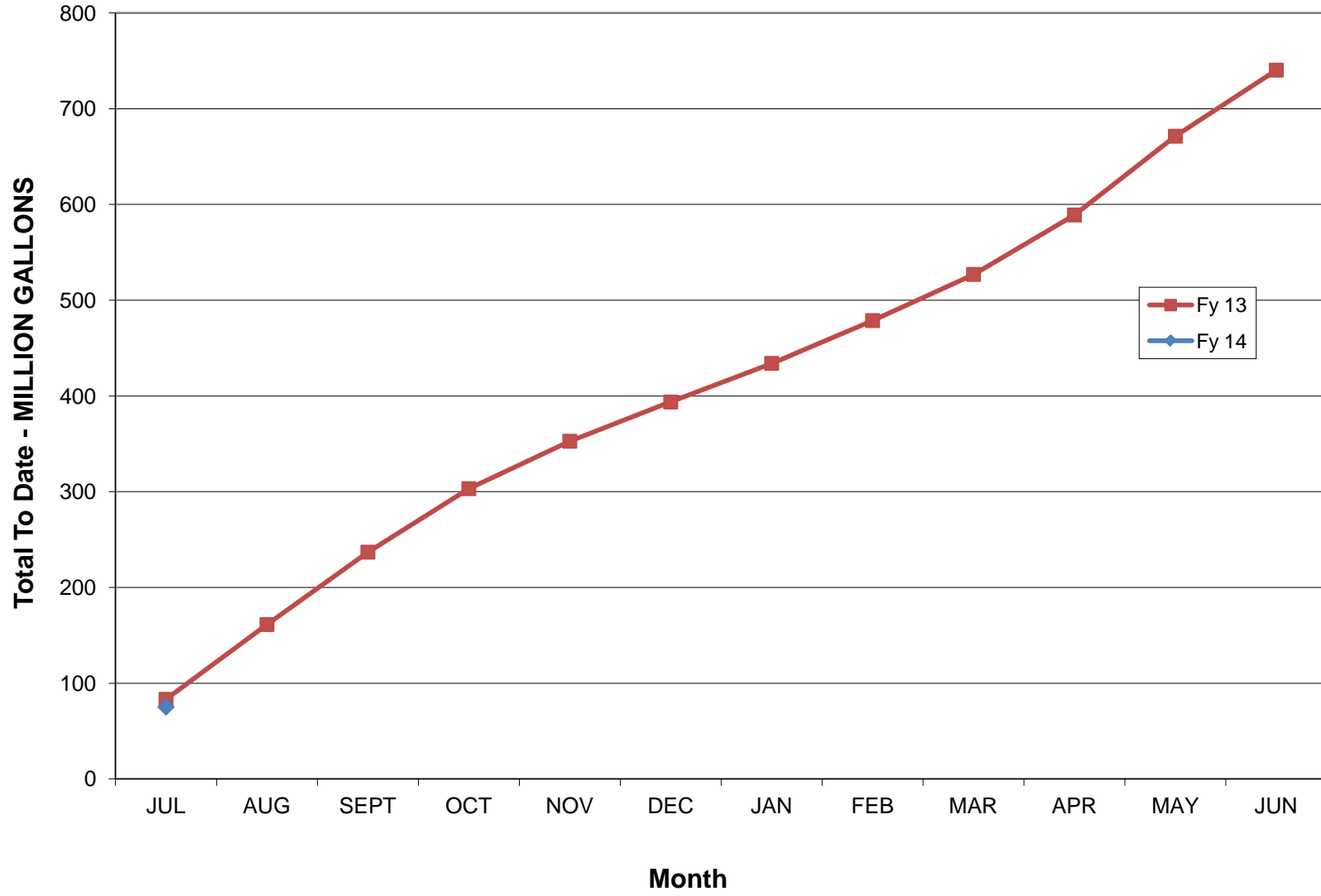
	Denniston Surface			Denniston Wells			Pilarcitos Wells			Pilarcitos Surface			SFWD CSP			SFWD Total	
	Actual MG	Predicted MG	pred-act	Actual MG	Predicted	pred-act	Actual MG	Predicted MG	pred-act	Actual MG	Predicted MG	pred-act	Actual MG	Predicted MG	pred-act	Actual MG	Predicted MG
Jul-13	0.00	5.34	5.34	0.00	2.66	2.66	0.00	0.00	0.00	0.00	38.09	38.09	75.61	11.64	-63.97	75.61	49.73
Aug-13			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	72.15
Sep-13			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	60.86
Oct-13			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	73.06
Nov-13			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	32.54
Dec-13			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	22.56
Jan-14			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	12.12
Feb-14			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	17.20
Mar-14			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	9.34
Apr-14			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	31.48
May-14			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	40.17
Jun-14			#VALUE!			#VALUE!			#VALUE!			#VALUE!			#VALUE!	0.00	63.85
MG Totals	0.00	5.34	5.34	0.00	2.66	2.66	0.00	0.00	0.00	0.00	38.09	38.09	75.61	11.64	-63.97	75.61	485.06

	Actual non SFPUC	Predicted non SFPUC	Actual SFPUC	Predicted SFPUC	TOTAL Actual	TOTAL Predicted	TOTAL Pred-act
	0.00	8.00	75.61	49.73	75.61	57.73	-17.88
% Total	0.00%	13.85%	100.00%	86.15%	130.98%		

Monthly Production FY 13 vs FY 14



Cumulative Production FY 13 vs.FY14



Plant Water Use*			Unmetered Water						2013		MG	
	Denniston Plant	Nunes Plant	Total	Main Flushing	Detector Checks*	Main Breaks	Fire Dept	Miscellaneous	Tank Level Difference	Total		
JAN	0.202	0.000	0.202	0.088	0.052	0.072	0.002	0.003	-0.248	0.574		
FEB	0.077	0.000	0.077	0.616	0.015	0.027	0.002	0.000	0.033	0.924		
MAR	0.000	0.000	0.000	0.022	0.052	0.032	0.002	0.000	0.063	0.171		
APR	0.086	0.000	0.086	0.023	0.010	0.002	0.002	0.000	0.445	0.740		
MAY	0.105	0.000	0.105	0.000	0.056	0.007	0.002	0.007	0.622	1.008		
JUN	0.281	0.000	0.281	0.065	0.008	0.067	0.001	0.007	-0.467	0.524		
JUL	0.000	0.000	0.000	0.012	0.041	0.110	0.002	0.000	0.234	0.399		
AUG	0.000		0.000							0.000		
SEP	0.000		0.000							0.000		
OCT	0.000		0.000							0.000		
NOV	0.000		0.000							0.000		
DEC	0.000		0.000							0.000		
TOTAL	0.75	0.00	0.75	0.83	0.23	0.32	0.01	0.02	0.68	4.34		

**Coastside County Water District Monthly Sales By Category (MG)
FY 2014**

	JUL		AUG		SEPT		OCT		NOV		DEC		JAN		FEB		MAR		APR		MAY		JUN		MG to Date
RESIDENTIAL	25.647	41%																							25.65
COMMERCIAL	4.965	8%																							4.97
RESTAURANT	3.056	5%																							3.06
HOTELS/MOTELS	3.712	6%																							3.71
SCHOOLS	1.058	2%																							1.06
MULTI DWELL	3.091	5%																							3.09
BEACHES/PARKS	1.275	2%																							1.28
AGRICULTURE	6.742	11%																							6.74
RECREATIONAL	0.052	0%																							0.05
MARINE	1.318	2%																							1.32
IRRIGATION	11.637	18%																							11.64
Portable Meters	0.381	1%																							0.38
TOTAL - MG	62.94		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		0.00		62.94

Non Residential Usage	37.288	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Running 12 Month Total	671.91																								
12 mo Ave Residential	31.54																								
12 mo Ave Non Residential	24.45																								
Total	55.99																								#VALUE!

FY 2013

	JUL		AUG		SEPT		OCT		NOV		DEC		JAN		FEB		MAR		APR		MAY		JUN		MG to Date
RESIDENTIAL	27.258	43%	49.337	66%	26.440	40%	47.479	67%	22.875	53%	30.920	70%	17.464	47%	33.048	70%	18.619	45%	34.940	65%	24.142	43%	47.609	64%	380.13
COMMERCIAL	6.155	10%	1.520	2%	5.183	8%	1.699	2%	4.636	11%	1.450	3%	3.981	11%	1.423	3%	3.830	9%	1.567	3%	5.178	9%	1.627	2%	38.25
RESTAURANT	3.000	5%	0.223	0%	2.903	4%	0.236	0%	2.533	6%	0.154	0%	2.622	7%	0.179	0%	2.413	6%	0.197	0%	2.967	5%	0.194	0%	17.62
HOTELS/MOTELS	4.223	7%	1.737	2%	3.863	6%	1.964	3%	2.966	7%	1.451	3%	2.764	7%	1.733	4%	2.130	5%	1.933	4%	3.309	6%	1.769	2%	29.84
SCHOOLS	2.768	4%	1.976	3%	3.189	5%	1.064	1%	0.383	1%	0.266	1%	0.171	0%	0.523	1%	0.378	1%	0.565	1%	0.945	2%	1.305	2%	13.53
MULTI DWELL	3.424	5%	2.725	4%	3.155	5%	2.895	4%	2.548	6%	2.385	5%	2.759	7%	2.697	6%	2.311	6%	2.828	5%	2.693	5%	2.839	4%	33.26
BEACHES/PARKS	0.865	1%	0.053	0%	0.931	1%	0.053	0%	0.777	2%	0.011	0%	0.331	1%	0.008	0%	0.430	1%	0.019	0%	0.908	2%	0.058	0%	4.45
AGRICULTURE	7.336	12%	4.445	6%	5.284	8%	5.269	7%	3.644	8%	6.045	14%	6.102	16%	6.375	14%	6.076	15%	6.800	13%	7.370	13%	6.048	8%	70.79
RECREATIONAL	0.064	0%	0.198	0%	0.055	0%	0.197	0%	0.027	0%	0.136	0%	0.033	0%	0.142	0%	0.025	0%	0.133	0%	0.037	0%	0.168	0%	1.22
MARINE	1.236	2%	0.000	0%	1.266	2%	0.000	0%	1.321	3%	0.000	0%	1.141	3%	0.000	0%	0.819	2%	0.000	0%	1.020	2%	0.001	0%	6.80
IRRIGATION	15.892	25%	12.567	17%	13.331	20%	9.844	14%	1.320	3%	1.361	3%	0.127	0%	0.619	1%	4.498	11%	4.643	9%	7.434	13%	11.973	16%	83.61
Portable Meters	0.019	0%	0.432	1%	0.102	0%	0.304	0%	0.000	0%	0.200	0%	0.000	0%	0.144	0%	0.000	0%	0.131	0%	0.000	0%	0.381	1%	1.71
TOTAL - MG	72.24		75.21		65.70		71.00		43.03		44.38		37.49		46.89		41.53		53.76		56.00		73.97		681.22

Non Residential Usage	44.982	25.876	39.262	23.523	20.156	13.459	20.031	13.844	22.912	18.817	31.861	26.363
Running 12 Month Total												681.22
12 mo Ave Residential	2.27	6.38	8.59	12.54	14.45	17.03	18.48	21.24	22.79	25.70	27.71	31.68
12 mo Ave Non Residential	3.75	5.90	9.18	11.14	12.82	13.94	15.61	16.76	18.67	20.24	22.89	25.09
Total	6.02	12.29	17.76	23.68	27.27	30.96	34.09	38.00	41.46	45.94	50.60	56.77
Total	6.02	12.29	17.76	23.68	27.27	30.96	34.09	38.00	41.46	45.94	50.60	56.77

Coastside County Water District Monthly Leak Report

Date	Location	Pipe Class	Pipe Size & Type	Est. Water Loss (Gallons)*	Material Cost	Employee hours	Manpower and Equipment Costs	Total Costs	
7/1/2013	Miramontes Pt. Road HMB	M	10"	50,000	Total \$436.76	Men	Hours	\$750	\$2,911.76
								\$1,725	
						3	5	\$2,475	
7/26/2013	201 Medio Miramar	S	1"	50,000	Total \$287.34	Men	Hours	\$750	\$2,037.34
								\$1,000	
						5	3	\$1,750	
7/30/2013	750 First Ave HMB	S	3/4"	10,000	Total \$1,145.91	Men	Hours	\$200	\$2,845.91
								\$1,500	
						1	10	\$1,700	
					Total	Men	Hours	\$0	\$0.00
								\$0	
								\$0	\$0.00
								\$0	
								\$0	\$0.00
								\$0	
								\$0	\$0.00
								\$0	
								\$0	\$0.00

*includes 1,000 gallons for mains to daylight plus 1,000 gallons to flush mains or 100 gallons to flush services

Total Water Loss	0.1100 MG	Total Cost	\$7,795.01
-------------------------	------------------	-------------------	-------------------

staff	\$50/hr
backhoe	\$50/hr
service truck	\$50/hr
dumptruck	\$50/hr
supvisor time	\$75/hr
pickup truck	\$25/hr

Pipe Class

S= Service

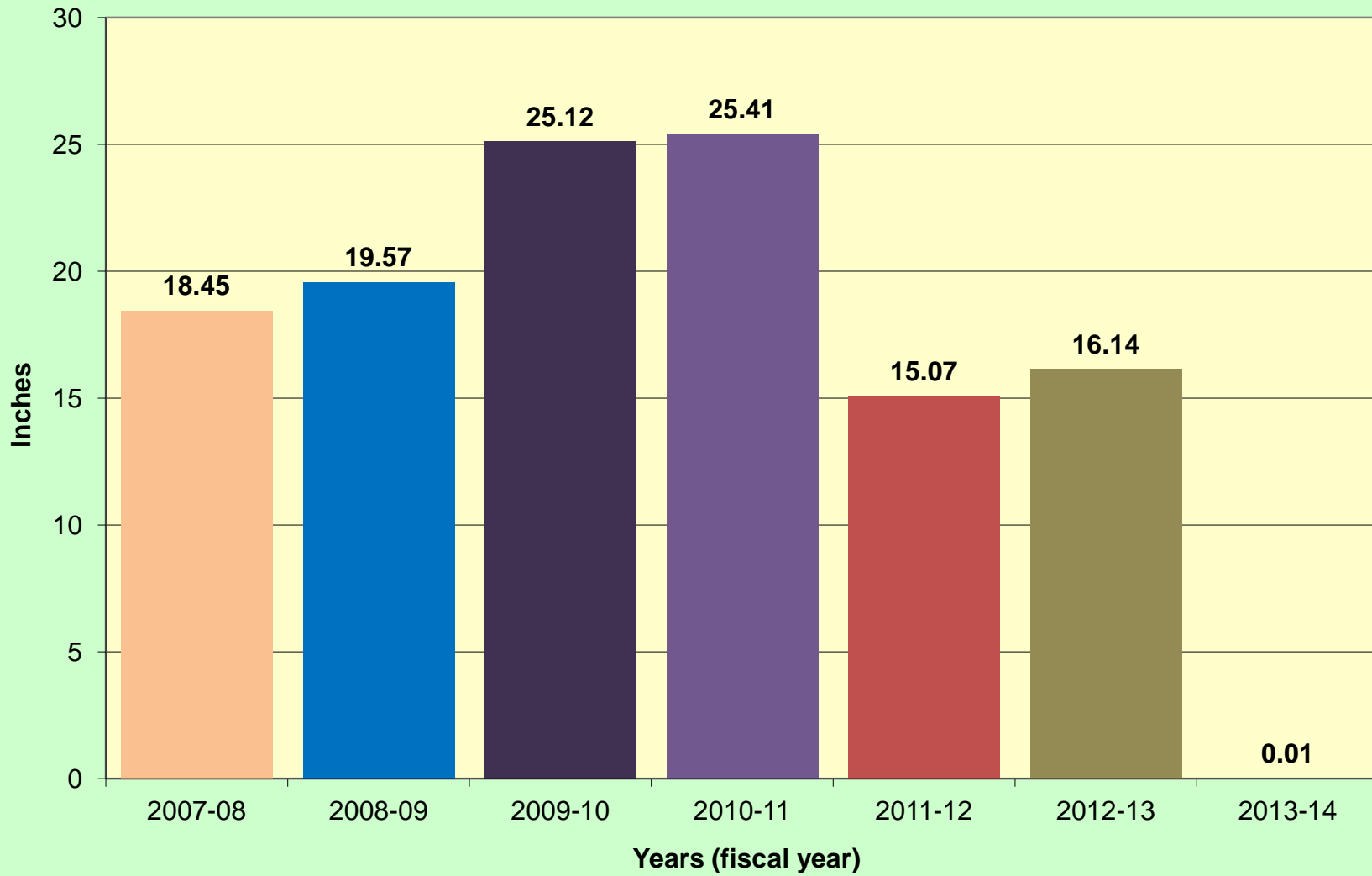
M= Main

T= Transmission

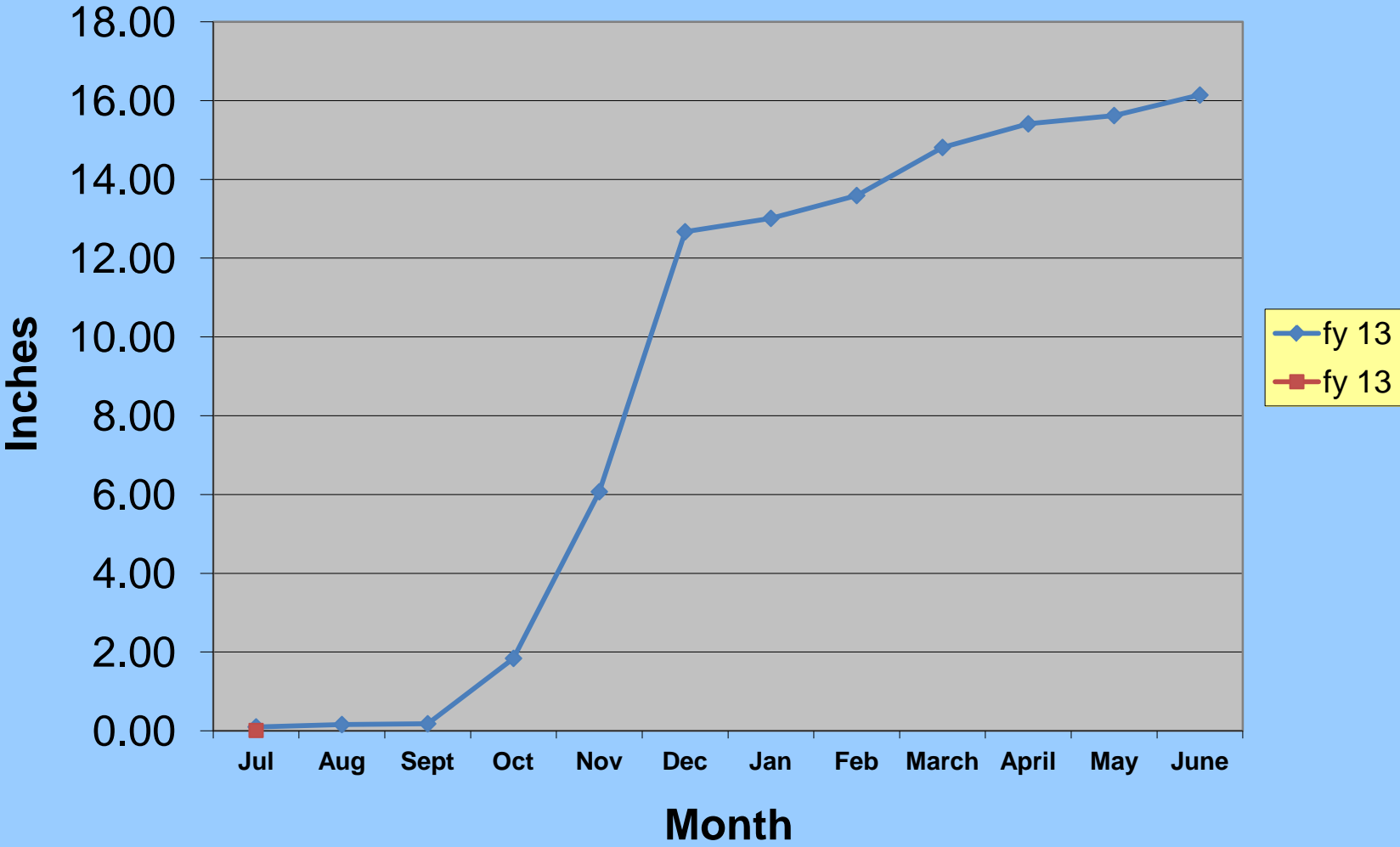
O=Other

Rain Totals

Fiscal Years 08 - 14



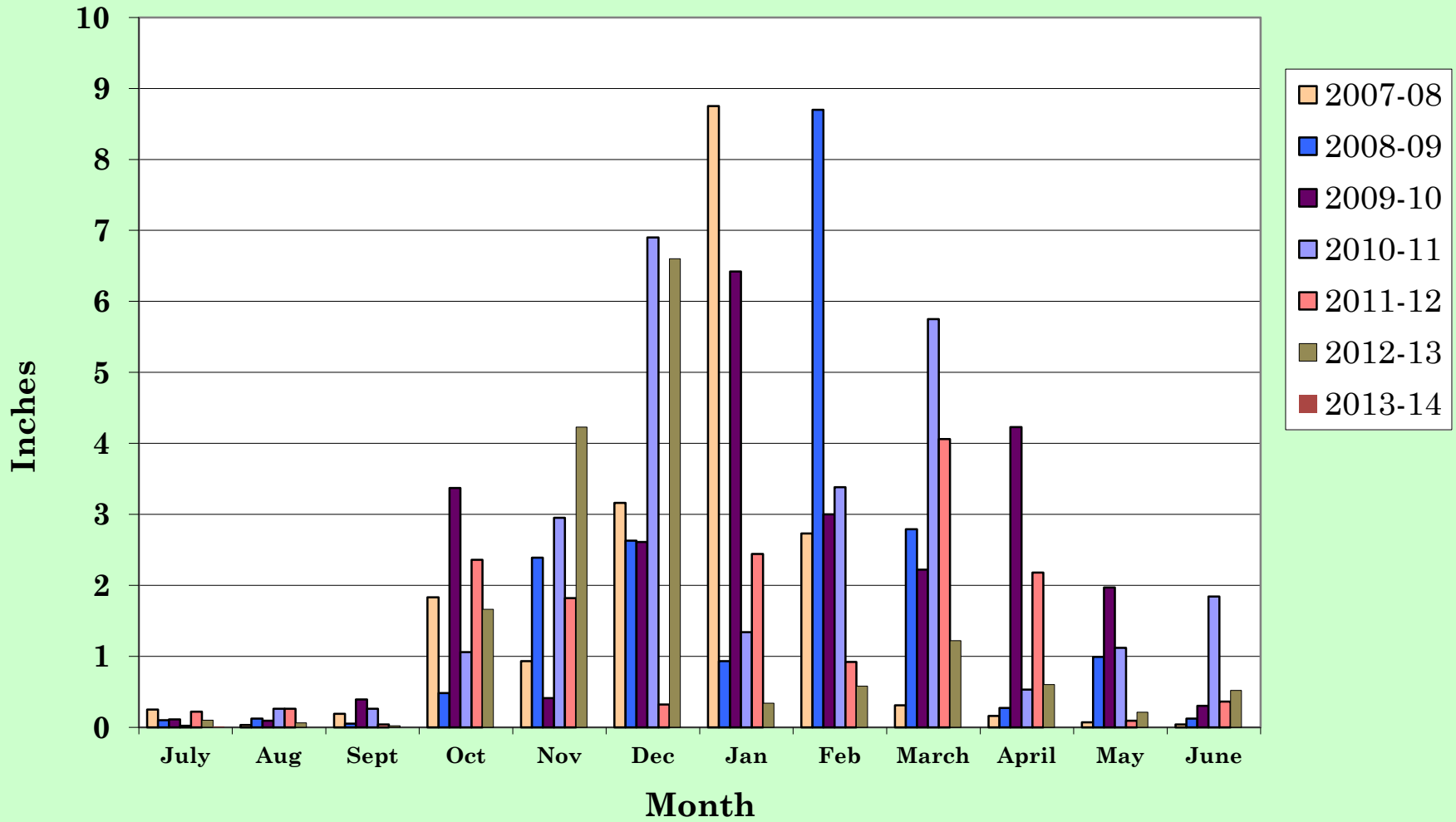
Rainfall Total Comparison Fiscal Years 13 and 14



Coastside County Water District

Rainfall by Month

Fiscal Years 08 - 14



MONTHLY CLIMATOLOGICAL SUMMARY for JUL. 2013

NAME: CCWD weather station CITY: STATE:
 ELEV: 80 ft LAT: 37° 18' 00" N LONG: 122° 18' 00" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (mph)

DAY	MEAN			LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH	DEG			DEG	SPEED		HIGH	DIR		
1	59.5	67.2	2:30p	55.3	6:00a	5.6	0.1	0.00	1.8	10.0	2:30p	W
2	59.9	68.3	2:00p	55.4	3:00a	5.2	0.2	0.00	2.0	12.0	3:00p	WSW
3	61.2	70.9	3:30p	55.7	6:30a	4.3	0.5	0.00	1.6	9.0	1:00p	W
4	62.8	70.1	1:30p	57.4	12:00m	3.1	0.9	0.00	2.3	10.0	11:30a	WSW
5	57.1	60.4	2:30p	54.9	1:00a	7.9	0.0	0.00	2.8	11.0	1:00p	W
6	57.3	62.0	2:00p	54.4	7:00a	7.7	0.0	0.00	3.5	11.0	1:00p	WSW
7	59.1	66.2	2:00p	55.0	6:00a	6.0	0.0	0.00	3.3	14.0	11:00a	WSW
8	58.6	65.2	4:00p	54.5	6:30a	6.4	0.0	0.00	2.7	13.0	1:00p	WSW
9	56.7	62.5	5:30p	53.8	6:00a	8.3	0.0	0.00	1.6	10.0	2:30p	W
10	56.5	63.6	2:30p	53.0	6:00a	8.5	0.0	0.00	1.8	11.0	2:30p	W
11	55.3	58.6	4:00p	52.4	6:30a	9.7	0.0	0.00	1.9	11.0	1:00p	W
12	56.1	60.5	3:30p	51.8	11:30p	8.9	0.0	0.00	1.9	10.0	3:30p	W
13	56.0	63.8	2:30p	49.7	6:30a	9.0	0.0	0.00	2.0	10.0	12:30p	W
14	56.2	61.8	3:30p	53.2	6:00a	8.8	0.0	0.00	1.7	11.0	4:00p	W
15	56.8	63.0	2:30p	52.1	5:30a	8.2	0.0	0.00	2.5	12.0	2:30p	WSW
16	59.2	66.5	3:00p	54.4	6:30a	5.9	0.0	0.01	2.9	11.0	1:30p	W
17	58.2	62.0	1:30p	54.5	11:00p	6.8	0.0	0.00	1.8	13.0	4:00p	W
18	55.9	60.5	1:30p	53.3	7:00a	9.1	0.0	0.00	1.5	11.0	5:00p	W
19	55.3	60.0	2:30p	53.2	9:30p	9.7	0.0	0.00	1.7	11.0	2:30p	W
20	54.5	59.1	4:00p	52.5	7:00a	10.5	0.0	0.00	2.0	10.0	3:30p	W
21	55.9	62.9	3:00p	51.5	6:30a	9.1	0.0	0.00	2.7	11.0	4:00p	WSW
22	59.0	65.9	3:00p	55.3	1:00a	6.0	0.0	0.00	2.0	11.0	4:00p	WSW
23	59.1	66.3	2:30p	55.3	3:00a	5.9	0.0	0.00	1.2	9.0	1:00p	W
24	58.0	64.0	2:30p	52.7	6:30a	7.0	0.0	0.00	1.3	12.0	4:30p	W
25	56.8	63.8	3:30p	52.2	6:30a	8.2	0.0	0.00	1.4	10.0	2:00p	W
26	57.5	62.6	2:30p	54.2	6:00a	7.5	0.0	0.00	1.8	10.0	1:00p	WSW
27	57.2	61.0	1:30p	54.6	6:30a	7.8	0.0	0.00	2.3	9.0	11:30a	WSW
28	56.8	60.7	3:00p	54.5	5:00a	8.2	0.0	0.00	2.9	12.0	11:00a	WSW
29	59.4	66.0	4:30p	55.9	12:30a	5.6	0.0	0.00	4.3	16.0	10:30a	WSW
30	58.8	63.1	3:00p	56.3	6:00a	6.2	0.0	0.00	2.8	12.0	3:00p	WSW
31	57.7	62.8	6:00p	54.3	3:00a	7.3	0.0	0.00	2.3	10.0	3:30p	WSW

	57.7	70.9	3	49.7	13	228.4	1.7	0.01	2.2	16.0	29	WSW

Max >= 90.0: 0
 Max <= 32.0: 0
 Min <= 32.0: 0
 Min <= 0.0: 0

Max Rain: 0.01 ON 07/16/13

Days of Rain: 0 (>.01 in) 0 (>.1 in) 0 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration

San Francisco Public Utilities Commission Hydrological Conditions Report For July 2013

J. Chester, C. Graham, A. Mazurkiewicz, & M. Tsang, August 6, 2013



Hetch Hetchy Reservoir at the brim on June 13th 2013

Current Tuolumne System and Local Bay Area storage conditions are summarized in Table 1.

Table 1 Current Storage As of August 1, 2013							
Reservoir	Current Storage		Maximum Storage		Available Capacity		Percent of Maximum Storage
	Acre-Feet	Millions of Gallons	Acre-Feet	Millions of Gallons	Acre-Feet	Millions of Gallons	
Tuolumne System							
Hetch Hetchy ¹	331,594		360,340		28,746		92.0%
Cherry ²	252,110		273,340		21,230		92.2%
Lake Eleanor ³	21,315		27,100		5,785		78.7%
Water Bank*	422,891		570,000		147,109		74.2%
Tuolumne Storage*	1,027,910		1,230,780		202,870		83.5%
Local Bay Area Storage							
Calaveras ⁴	17,465	5,691	96,824	31,550	79,359	25,859	18.0%
San Antonio	40,801	13,295	50,496	16,454	9,695	3,159	80.8%
Crystal Springs	49,435	16,108	58,377	19,022	8,942	2,914	84.7%
San Andreas	17,875	5,824	18,996	6,190	1,121	366	94.1%
Pilarcitos	2,688	876	2,995	976	307	100	89.7%
Total Local Storage	128,264	41,795	227,688	74,192	99,423	32,397	56.3%
Total System	1,156,174		1,458,468		302,294		79.3%

¹ Maximum Hetch Hetchy Reservoir storage with drum gates activated.

² Maximum Cherry Reservoir storage with all flash-boards in.

³ Maximum Lake Eleanor storage with all flash-boards in.

⁴ Available capacity does not take into account current DSOD storage restrictions.

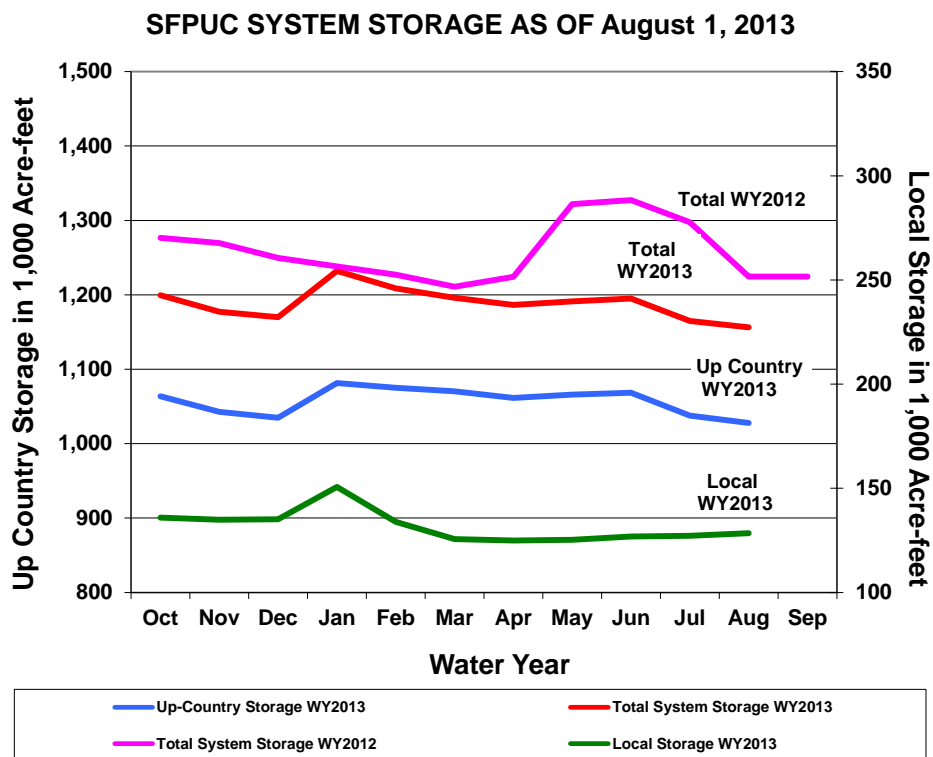


Figure 1: Monthly system storage for WY2013

Hetch Hetchy System Precipitation Index ^{5/}

Current Month: The July six-station precipitation index is zero, or 0.0% of the average index for the month.

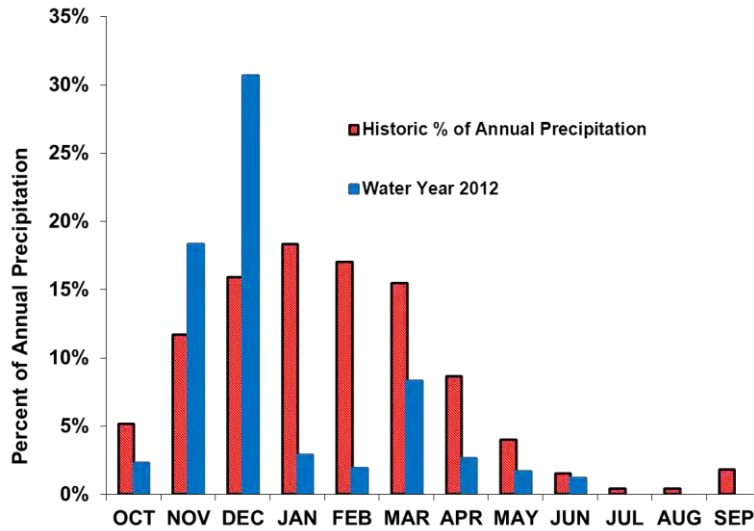


Figure 2: Monthly distribution of the Hetch Hetchy Six-station precipitation index as percent of the annual average precipitation.

Cumulative Precipitation to Date: The accumulated six-station precipitation index for water year 2013 is 25.01 inches, which is 70.3% of the average annual water year total, or 71.5% of the average annual-to-date. Hetch Hetchy received no precipitation in July, for a water year total of 26.2 inches. This was the sixth consecutive month with below average precipitation. The cumulative Hetch Hetchy precipitation is shown in Figure 3 in red.

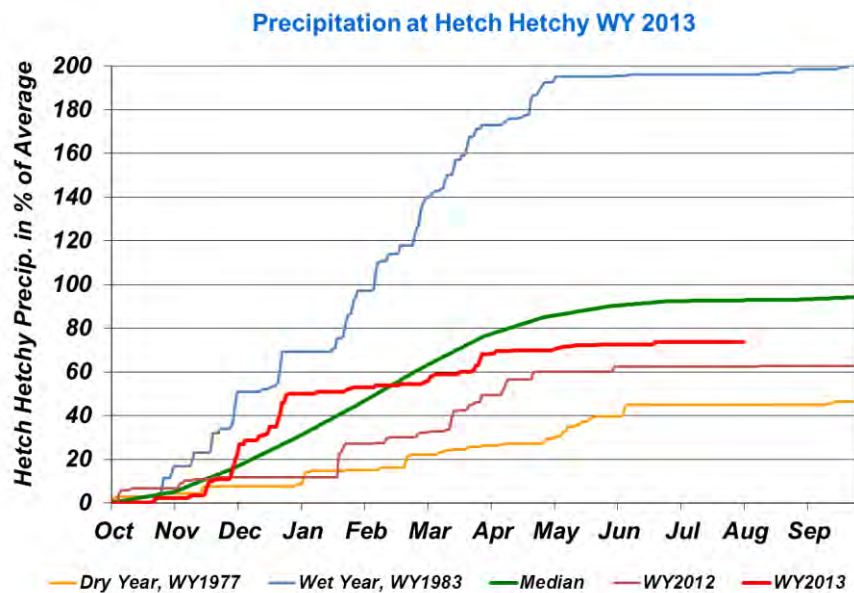


Figure 3. Water year 2013 cumulative precipitation measured at Hetch Hetchy Reservoir through July 31st, 2013. Precipitation at the Hetch Hetchy gauge for wet, dry, median, and WY 2012 are included for comparison purposes.

^{5/}The precipitation index is computed using six Sierra precipitation stations and is an indicator of the wetness of the basin for the water year to date. The index is computed as the average of the six stations and is expressed in inches and in percent.

Tuolumne Basin Unimpaired Inflow

Unimpaired inflow to SFPUC reservoirs and the Tuolumne River at La Grange as of July 31st is summarized below in Table 2.

Table 2 Unimpaired Inflow Acre-Feet								
	July 2013				October 1, 2012 through July 31, 2013			
	Observed Flow	Median ⁶	Average ⁶	Percent of Average	Observed Flow	Median ⁶	Average ⁶	Percent of Average
Inflow to Hetch Hetchy Reservoir	10,441	42,984	74,751	14.0%	465,819	701,156	727,654	64.0%
Inflow to Cherry Reservoir and Lake Eleanor	0	12,155	25,314	0.0%	328,030	443,499	449,202	73.0%
Tuolumne River at La Grange*	20,363	66,998	119,674	8.6%	1,071,681	1,695,513	1,804,038	59.4%
Water Available to the City*	0	1,301	45,899	0.0%	177,789	594,746	777,928	22.9%

⁶ Hydrologic Record: 1919 – 2010

Hetch Hetchy System Operations

Draft and releases from Hetch Hetchy Reservoir in July totaled 38,102 acre-feet to meet SJPL deliveries and instream release requirements.

10,143 acre-feet of power draft was made at Cherry Reservoir to manage reservoir elevation and to meet recreational releases. Generation met municipal load throughout the month. About 1,668 acre-feet of water was transferred from Lake Eleanor to Cherry Reservoir in July.

The current water year instream release schedule is Type B (or below normal conditions). This is based upon accumulated precipitation and runoff in water year 2013 starting October 1st, 2012. The July requirement from Hetch Hetchy reservoir was 110 cfs. Required releases at Cherry Reservoir were 15 cfs and 20 cfs at Lake Eleanor.

Local System Treatment Plant Production

The Sunol Valley Water Treatment Plant (SVWTP) was offline for the month of July. The Harry Tracy Water Treatment Plant average production rate was 14 MGD.

Local System Water Delivery

Water deliveries in July were up 5% over the June delivery rate. The average delivery rate for July was 274 MGD. The June rate was 261 MGD.

Local Precipitation

Typical summer weather settled in over the local watersheds. The month of July was predominantly dry with light amounts of fog derived precipitation in the Pilarcitos watershed. The July rainfall summary is presented in Table 3.

Reservoir	Month Total (inches)	Percentage of Normal for the Month	Water Year To Date ⁷ (inches)	Percentage of Normal for the Year-to-Date ⁷
Pilarcitos	0.03	38 %	28.46	74%
Lower Crystal Springs	0.00	0 %	18.83	71 %
Calaveras	0.00	0 %	14.17	66 %

⁷ WY 2013: Oct. 2012 through Sep. 2013

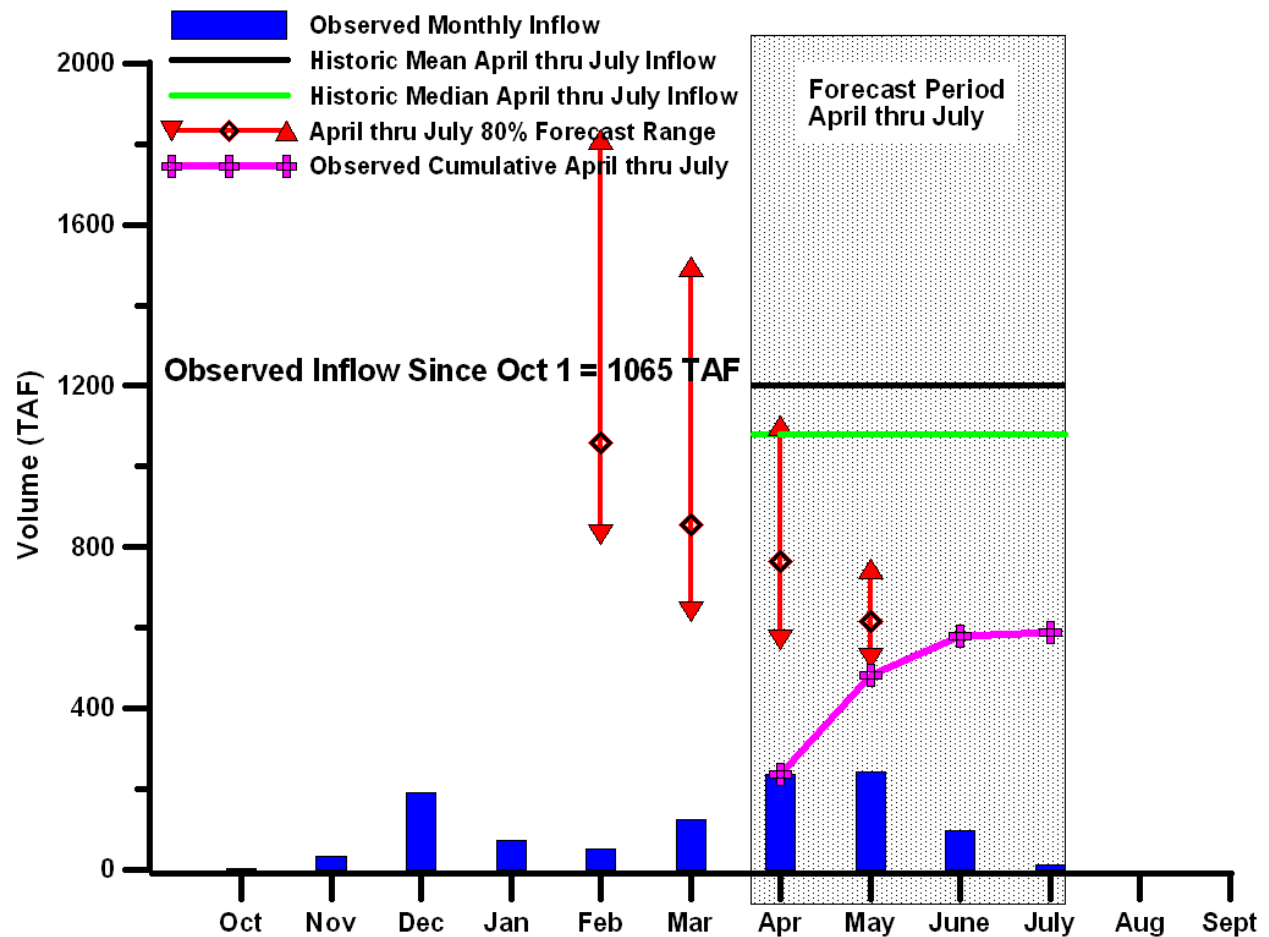


Figure 4: Water Year conditions for the Tuolumne River at La Grange and for the 80% water supply forecast range (triangles represent the 90% and 10% forecasts, the open diamond represents the median forecast).

Snowmelt and Water Supply

High country conditions have met the typical dry pattern with spotty thunderstorm activity which have not been moisture producing. Flows continue to recede as they typically do during the mid-

summer months. Reservoir conditions continue to benefit from the late June precipitation event keeping storage levels higher than would be typically anticipated in such a dry year. The May 1st Tuolumne Basin Water Supply Forecast used the measured snow course, precipitation, and runoff data to predict the seasonal inflow. The forecast indicated that the median amount of runoff that may occur this year is 57% of the long-term median (Figure 4). The median forecast of April-through-July runoff is about 615 TAF, compared to the long-term median runoff for the April-through-July period of 1,080 TAF. Observed April-through-July runoff was 595 TAF or within 3% of the median forecast.

Unimpaired Flow at La Grange & Water Available to the City

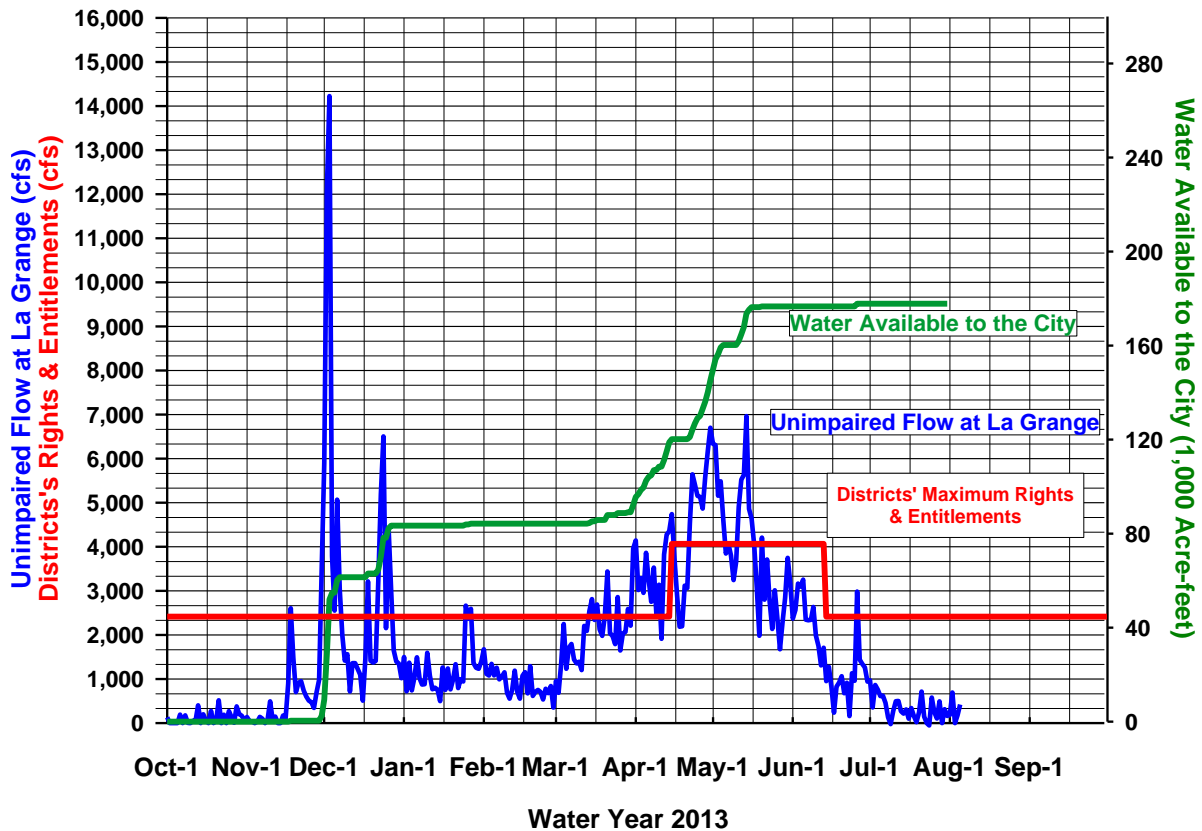


Figure 5: Calculated unimpaired flow at La Grange and the allocation of flows between the Districts and the City. 177,789 acre-feet of water has become available to the City during water year 2013 to date*.

***Correction:** A data error was identified affecting the calculated Natural Flow at LaGrange, Water Available to the City and Water Bank from April to July. The error was corrected, resulting in increased annual Water Available to the City and Water Bank balance.

cc	HHWP Records	Gambon, Paul	Jue, Tyrone	Ritchie, Steve
	Briggs, David	Gibson, Bill	Kehoe, Paula	Rydstrom, Todd
	Cameron, David	Graham, Chris	Lehr, Dan	Sandkulla, Nicole
	Carlin, Michael	Griffin, Pat	Levin, Ellen	Tsang, Michael
	Chester, John	Hale, Barbara	Mazurkiewicz, Adam	Williams, Mike
	DeGraca, Andrew	Hannaford, Margaret	Meier, Steve	
	Dhakal, Amod	Kelly, Harlan	Patterson, Mike	
	Dufour, Alexis	Jensen, Art	Ramirez, Tim	

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: August 13, 2013

Report

Date: August 7, 2013

Subject: 923 & 925 Miramontes Street – Water Service Agreement for a Non-Complex Pipeline Extension

Recommendation:

Approve the attached Water Service Agreement between Coastside County Water District and John and Eda Muller and Albert and Eda Adreveno for construction of a pipeline extension to serve real properties at 923 and 925 Miramontes Street.

Background:

The attached Water Service Agreement provides for construction of the water utility system that will serve the properties at 923 and 925 Miramontes Street, Half Moon Bay. Each parcel to be served includes a single-family residence, along with agricultural uses. The well currently providing water for the properties does not produce water of sufficient quality or quantity for continued use. The new water main will extend approximately 1000 feet from the end of the existing main on Miramontes Street and will supply a fire hydrant as well as the two new services.

Fiscal Impact:

None. The applicant will pay appropriate fees along with execution of the Agreement to the District. The cost of construction will be paid entirely by the applicant.

WATER SERVICE AGREEMENT

MULLER/ADREVENO PIPELINE EXTENSION PROJECT

THIS AGREEMENT is made as of this _____ day of _____, 2013, between COASTSIDE COUNTY WATER DISTRICT ("District"), and JOHN H. MULLER, EDA G. MULLER, ALBERT ADREVENO, and EDA ADREVENO (collectively, the "Applicant").

THE PARTIES AGREE AS FOLLOWS:

1. RECITALS

This Agreement is entered into with regard to the following facts and circumstances.

A. District is a public corporation organized under the provisions of the California Water Code and is engaged in the storage, transmission and sale of water for domestic purposes within San Mateo County.

B. Applicants are owners of real property located within the geographic limits of the District known as 923 Miramontes Street (APN 056-260-120) and 925 Miramontes Street (APN 056-260-130) in the City of Half Moon Bay, State of California (collectively, the "Property"), which is shown on Exhibit A.

C. Both properties currently receive its water supply from an on-site well located on parcel 056-260-130. Due to low well production, the Applicant desires to connect to the District's water system.

D. Applicant previously has purchased, and has the right to install, one five-eighth-inch (5/8") priority connection assigned to 923 Miramontes Street and one one and a half-inch (1.5") priority connection assigned to 925 Miramontes Street.

E. The use of the Property is a priority use (agricultural use).

F. Applicant has requested the installation of the following: (1) a six-inch pipeline extension approximately one thousand (1,000) feet in length; (2) one five-eighth-inch priority service connection; (3) one one and a half-inch priority service connection; (4) a backflow prevention device at each service connection; (5) a fire hydrant; and (6) all related

appurtenances (collectively, the "Project"). The general layout of the Project is shown on Exhibit B.

G. Applicant represents and warrants that Applicant has obtained any and all permits and approvals necessary to construct the Project on the Property, including a Coastal Development Permit.

2. APPROVAL OF PROJECT UTILITY SYSTEM

The Project Utility System, as defined below, shown on and described in the plans prepared by James S. Teter, Consulting Engineer, dated July 22, 2013 (collectively, the "reviewed submittal documents") are approved. Copies of the reviewed submittal documents are incorporated herein by this reference as Exhibit C.

"Project Utility System" means the water mains, house service lines, fittings, valves and housing thereof, fire hydrant, manholes, and all appurtenances thereto, as depicted and described in the reviewed submittal documents. The Project Utility System does not include the water mains on the Applicant side of the meter or the backflow prevention devices, all of which will be owned and maintained by Applicant.

3. INSTALLATION

A. Applicant shall commence installation of the Project Utility System no later than three (3) months, subject to extension for force majeure events not the fault of Applicant, after the date of this Agreement and shall complete its installation within twelve (12) months after the date of this Agreement. If installation is not commenced or completed by such dates, the District may terminate this Agreement, unless the delay is solely attributable to events, such as fire, flood or earthquake, which are beyond the control of, and not the fault of, Applicant.

B. Applicant shall install the Project Utility System in accordance with (1) the location and sizes shown on the reviewed submittal documents identified in Section 2; (2) the District's "Standard Specifications and Construction Details," a copy of which has previously been furnished to Applicant; and (3) the further reasonable directions of the District Engineer.

4. SUBMITTAL OF PROPOSAL FOR REVIEW AND APPROVAL BY DISTRICT.

Applicant is responsible for obtaining a proposal for construction of the Project from a licensed, qualified contractor to construct the Project ("Proposal"). The contractor shall possess a valid California Contractor's License. The contractor shall have satisfactorily completed construction of a minimum of 5 similar pipeline projects, and shall if requested submit a list of these projects together with the telephone number of the owner's representative who can be contacted regarding the work. Prior to commencement of construction, Applicant shall furnish a copy of the Proposal, along with evidence satisfactory to the District that the contractor possesses the necessary licenses and experience to construct the Project Utility System.

5. INSPECTION; CONSTRUCTION

A. Prior to commencing construction, Applicant shall furnish to the District Engineer, at Applicant's expense, a report by a competent soils engineer or soils laboratory indicating that the compaction of the fills within which said facilities are to be installed is at least equal to ninety-five percent (95%) compaction, as that phrase is defined in the latest edition of the Standard Specifications, State of California, Department of Transportation, or meets such other criteria as the District Engineer may prescribe.

B. Applicant shall notify District in writing at least ten (10) days in advance of the proposed starting date for construction and shall not commence construction unless the District Engineer or other authorized District inspector is at the site of the work when construction begins. District agrees to make the District Engineer or other authorized District inspector available to be on site, provided the ten (10) days advance notice is given by Applicant. If construction is not continuous, District shall be notified at least forty-eight (48) hours in advance of the resumption of construction. Any work performed without notice to District may be rejected by District on that ground alone. The District Engineer will observe and inspect facilities solely to protect the interests of the District and to determine whether the completed work is acceptable to District and can be incorporated into the District system. The District does not assume thereby any responsibility for the operations or safety practices of Applicant. Applicant is responsible for correct location of all facilities which it installs. The District Engineer will not inspect facilities installed "downstream" of the individual meter boxes.

C. Applicant shall permit District's employees and authorized representatives to inspect the Project Utility System, and the plans and materials therefore, at any reasonable time before, during, or after installation.

D. Applicant shall repair at its expense (or, at the option of District, shall reimburse District for the actual cost of repairs effected by it) any damage to District property caused by Applicant, its agents, employees, or contractors in constructing the Project Utility System.

6. PAYMENT OF FEES AND CHARGES

The Applicant will pay applicable fees and charges as follows:

A. Transmission and Storage Fees. None Due. Applicant has previously paid transmission and storage fees for one (1) five eighth-inch and one (1) one and a half-inch priority water service connection.

B. Water Meter Installation Fees. None Due. Applicant will be billed separately for actual cost of the two meters at the time of meter installation.

C. Initial Filing Fee. None due. The District acknowledges receipt of a non-refundable initial filing fee in the amount of \$150.

D. Plan Check and Construction Inspection Fees. Concurrently with the execution of this Agreement, Applicant shall pay the sum of Ten Thousand Dollars and No Cents (\$10,000.00), which is the amount due for the District staff and Engineer's costs in preparing and reviewing final plans, inspecting the construction of the Project Utility System, modifications of water system maps, and administrative, legal, and auditing costs.

E. Total Payment Due with Agreement. The total payment due concurrently with execution of this Agreement shall be Ten Thousand Dollars (\$10,000.00) which represents the sum of fees listed in paragraphs A, B, C, and D.

F. Meter Charge and Water Usage Charge. Applicant agrees that Applicant will pay the bi-monthly base charge for both the one five-eighth-inch meter and the one and one half-inch water meter, and will pay the quantity charge for all water provided to Applicant regardless of how Applicant uses the water.

7. BONDS

Prior to commencement of construction, Applicant shall furnish to District the following bonds:

- A. A Payment Bond in the amount of 100% of the Proposal amount, to guarantee payment of the obligations referred to in Section 3248 of the Civil Code;
- B. A Performance Bond in the amount 100% of the Proposal amount, to guarantee faithful performance of the terms of this Agreement; and
- C. A Maintenance Bond in the amount of 10% of the Proposal amount, to guarantee against defective materials and faulty workmanship for a period of two (2) years from and after the acceptance of the Project Utility System by District.

The bonds shall be in a form satisfactory to District. The surety or sureties must be qualified to do business in California. If any of the sureties, in the sole opinion of District, is or becomes irresponsible, District may require other or additional sureties which Applicant shall furnish to the satisfaction of District within ten (10) days after notice from District. In default thereof, District shall be released from all obligations under this Agreement. No prepayment or delay in payment and no change, extension, addition, or alteration or any provision of this Agreement or in the approved submittal documents referred to in Section 2, above, and no forbearance or acceptance by or on the part of District shall operate to release any surety from liability on a bond.

8. INDEMNITY

A. District shall not be responsible or held liable in any manner whatsoever for any injury or damage which may be done to any person or property (or other loss or liability) arising from the performance or failure to perform the obligations set forth in this Agreement and the installation of the Project Utility System by or on behalf of Applicant.

B. Applicant, on its behalf and on behalf of its successors in interest, hereby agrees to waive any claims against District arising from or related to the events and activities described in Subsection A, above, and to indemnify, defend and hold harmless the District, its directors, officers, employees, and agents from and against any and all liability for the death of or injury to any person and for the loss of, or damage to, any property (including the loss of its use) which may arise from such events and activities. The agreements contained in this paragraph shall survive the performance of the remainder of this Agreement and shall remain in full force and effect notwithstanding such performance.

9. INSURANCE

A. Applicant or its construction contractor shall, at its cost, maintain in full force and effect during the period beginning with commencement of construction of the Project Utility System and terminating no earlier than thirty (30) days after completion thereof and approval by District for its connection with the District's distribution system, a policy or policies of liability insurance, as follows:

1. Bodily and personal injury liability in an amount not less than One Million Dollars (\$1,000,000.00) per person and Two Million Dollars (\$2,000,000.00) per occurrence; and

2. Property damage insurance in an amount not less than One Million Dollars (\$1,000,000.00) per occurrence.

Such policies shall insure District as an additional insured against any and all liability for the death of or injury to any person and for the loss of or damage to any property which may arise by reason of acts done or omitted to be done as a result of the installation of the Project Utility System by or on behalf of Applicant and shall further insure District against any and all costs and expenses, including attorneys fees, which District may incur in resisting any claim which may be made against District for any such injury or damage.

B. Each such policy shall:

1. be issued by an insurance company or companies qualified to do business in California and approved in writing by District;
2. name District, its Directors, officers, agents and employees, as additional insureds;
3. specify that it acts as Primary Insurance; the insurer being liable thereunder for the full amount of any loss up to and including the total limit of liability without right of contribution from any insurance effected by District;
4. provide that the policy shall not be cancelled or altered without thirty (30) days' prior written notice to District (or Applicant shall provide this written notice to the District); and
5. otherwise be in form reasonably satisfactory to District.

C. Applicant or its contractor shall provide, and maintain at all times during the course of installation of the Project Utility System, Worker's Compensation Insurance in conformance with the laws of the State of California. Such policy shall provide that the underwriter thereof waives all right of subrogation against District by reason of any claim arising out of or connected with installation of the Project Utility System and that such policy shall not be cancelled or altered without thirty (30) days' prior written notice to District.

D. Copies of all policies required above (or Certificates of Insurance satisfactory to District) shall be delivered to District at least ten (10) days prior to commencement of construction of the Project Utility System.

10. WATER USE LIMITATION

Applicant agrees that the Project will be used only to provide water service to the Property.

11. FIRE PROTECTION

Applicant, pursuant to its General Regulations Regarding Water Service, is solely responsible for obtaining all permits and approvals, and complying with all federal, state, and local laws and regulations pertaining to the Project.

12. SIZING OF INTERIOR PLUMBING; WATER PRESSURE

Applicant acknowledges that the District's system in the area of the Project meets the District's minimum pressure requirements, but is subject to low water pressure conditions. It is Applicant's responsibility to see that water pressure at all fixture units located on the Property is sufficient; District shall have no responsibility to inspect the installation of interior plumbing fixtures or piping.

Applicant agrees to indemnify, defend, and hold harmless the District, its directors, officers, employees, and agents, against any and all claims, demands, causes of action, or liability of whatever nature arising out of or resulting from low pressure.

13. CONVEYANCE OF TITLE TO PROJECT UTILITY SYSTEM

Full right, title and interest in and to all elements of the Project Utility System installed pursuant hereto will be granted to District upon written notice of acceptance thereof by District and without the necessity for any further action by Applicant. There shall be no obligation upon District to pay or reimburse to Applicant any part of the cost of Project Utility System. Applicant warrants that upon such passage of title to District, the title shall be free and clear from any and all mechanics and materialmen liens that could arise from construction of the Project Utility System, charges and encumbrances whatsoever. The water meters described in Section 2, above, are and will remain the property of District.

14. CONVEYANCE OF EASEMENTS

Applicant further agrees that it will deliver to District easements necessary for access to and maintenance of the Project Utility System by executing a Grant of Easement in form and substance satisfactory to District and substantially in the form attached hereto as Exhibit D. The easements will be a minimum of ten (10) feet wide around all components of the Project Utility System. Because the exact location of the Project Utility System will not be known until completion of construction, Applicant will obtain the services of a licensed surveyor

to prepare a metes and bounds description of the easement and plat drawings in a form acceptable to the District. The Applicant must deliver fully executed and acknowledged easements prior to District's acceptance of the Project.

15. ACCEPTANCE BY DISTRICT

District shall accept the Project Utility System when all of the following conditions have been met: (1) completion of the Project Utility System; (2) certification by District Engineer upon completion that the Project Utility System has been constructed in accordance with this Agreement; (3) furnishing by Applicant of evidence that it has paid all costs incurred in constructing the Project Utility System; (4) performance by Applicant of all of its obligations under this Agreement which are to be completed prior to acceptance of the Project Utility System, including payment of all sums due the District and conveyance of all easements; and (5) furnishing by Applicant of two sets of nonammonia-type mylar reproducible drawings of the completed improvements showing "as-built" conditions.

Upon acceptance, and payment for the cost of meter installation, District shall provide water utility service to the Project.

Upon acceptance, Applicant shall be relieved of all future obligation to maintain the Project Utility System, subject to its obligation to repair defects, which obligation is secured by the maintenance bond provided for in Section 6.C., for the duration of the term of such bond (i.e., two years after acceptance).

16. EXECUTION AND PERFORMANCE OF AGREEMENT

Execution of this Agreement is a condition precedent to issuance by District of any letters, approvals, consents, or communications to any state, municipal, local or other public bodies regarding the availability of water service to the Property from the Project. Full performance of and compliance with each and every term of this Agreement by Applicant is a condition precedent to water service by District.

17. DISTRICT REGULATIONS

Applicant shall at all times abide by and faithfully observe any and all District ordinances, resolutions, rules and regulations presently in effect, including current fee schedules, or which may hereafter be enacted or amended from time to time, including but not

limited to *Regulations Regarding Water Service Extensions and Water System Improvements; Engineering and Construction Standards; Approved Materials* (codified through Resolution No. 2003-11, March 2004), a copy of which has previously been furnished to Applicant.

18. ASSIGNMENT

Applicant's rights under this Agreement may be assigned only in connection with a sale or conveyance of the Property. No such assignment shall be valid or binding on the District unless the assignee executes a written instrument, in form and substance satisfactory to District, assuming all of Applicant's obligations under this Agreement, which have not been fully performed as of the date of assignment. Such assignment shall not release Applicant from any of its obligations to District under this Agreement.

This Agreement shall be binding upon and shall inure to the benefit of the parties and their successors and permitted assigns. If the Applicant or a permitted successor or assign shall disincorporate, forfeit its articles or right of incorporation, or otherwise fully terminate without a successor or assign, District shall as of the date of disincorporation, forfeiture or termination own the Project Utility System free and clear of any obligation to any party.

19. NOTICE

Any notice required by this Agreement shall be satisfied by a notice in writing, either delivered personally or sent by regular or certified mail, postage prepaid, and addressed as follows:

District:	Coastside County Water District 766 Main Street Half Moon Bay, CA 94019 Attention: David R. Dickson, General Manager
Applicant:	John H. and Eda G. Muller Albert and Eda Adreveno P.O. Box 218 Half Moon Bay, CA 94019

20. CONSTRUCTION OF AGREEMENT

Both parties have participated in preparing this Agreement. This Agreement shall be construed reasonably and not in favor of or against either party hereto on the grounds that one party prepared the Agreement.

21. ENTIRE AGREEMENT

This Agreement, including the Exhibits which are hereby incorporated by reference, contains the entire agreement between the parties hereto. No oral understandings, statements, promises or inducements contrary to the terms of this Agreement exist.

22. APPLICABLE LAW

This Agreement shall be governed by and construed and enforced in accordance with and subject to the laws of the State of California. Except as expressly provided for herein, this Agreement is not intended to, and does not, modify the District's rights to exercise the legislative discretion accorded to it by the laws of California. Any lawsuit related to this Agreement shall be commenced and prosecuted in the County of San Mateo, State of California.

23. AMENDMENT

Any amendment hereof, including any oral modification allegedly supported by new consideration, shall not be effective unless reduced to a writing signed by both parties.

24. AUTHORIZED SIGNATURE

The individuals whose names are subscribed to this Agreement represent that they are authorized to act on behalf of the party for whom they sign.

25. TIME

Time is of the essence of the Agreement.

IN WITNESS WHEREOF the parties hereto have executed this Agreement as of the day and year first above written.

DISTRICT:
COASTSIDE COUNTY WATER DISTRICT

APPLICANT:

By: _____
President, Board of Directors

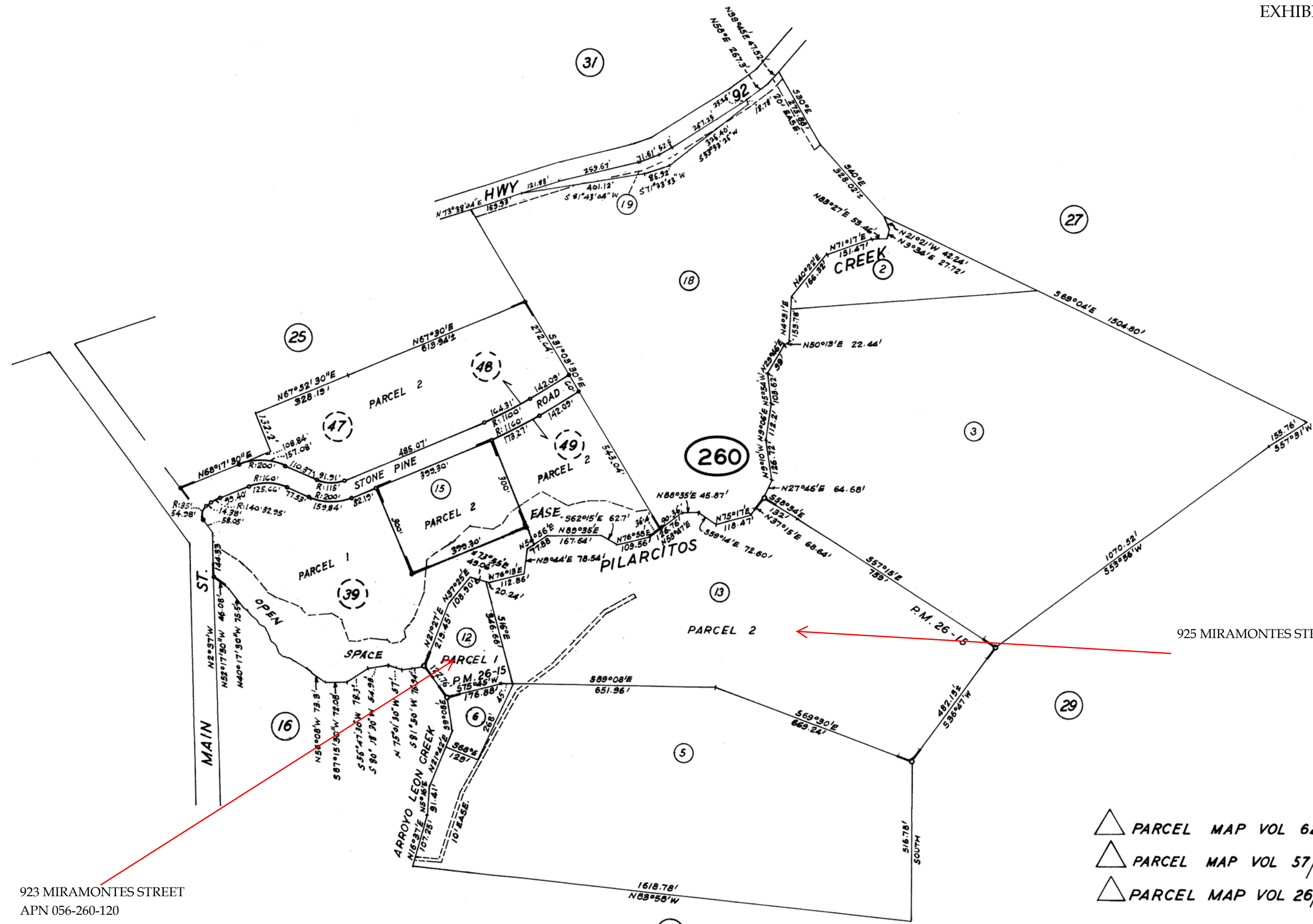
John H. Muller

By: _____
Secretary

Eda G. Muller

Albert Adreveno

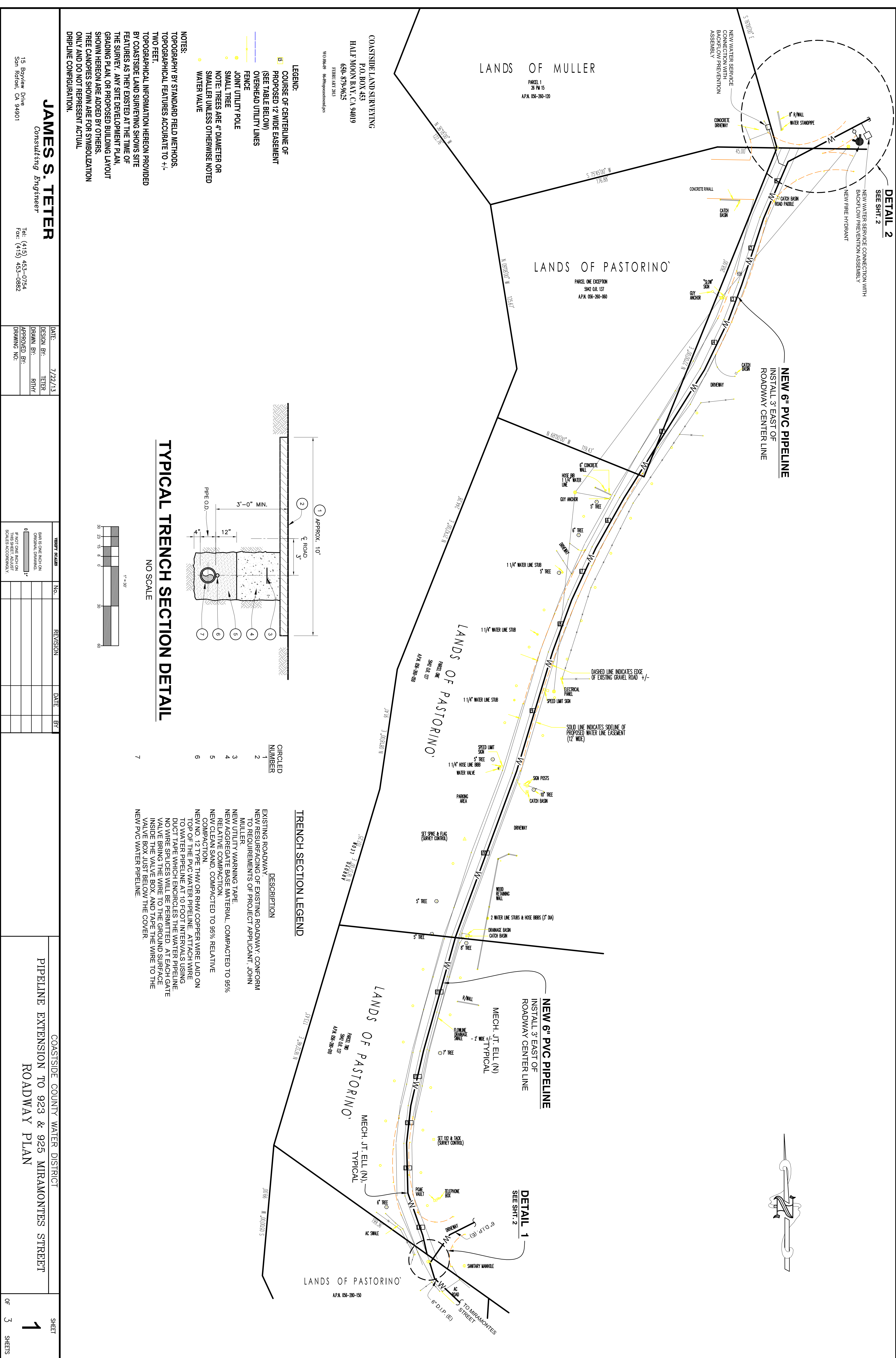
Eda Adreveno



923 MIRAMONTES STREET
APN 056-260-120

925 MIRAMONTES STREET (APN 056-260-130)

- △ PARCEL MAP VOL 62/94-95
- △ PARCEL MAP VOL 57/97-98
- △ PARCEL MAP VOL 26/15



DETAIL 2
SEE SHT. 2

NEW WATER SERVICE CONNECTION WITH BACKFLOW PREVENTION ASSEMBLY
NEW FIRE HYDRANT

NEW 6" PVC PIPELINE
INSTALL 3' EAST OF ROADWAY CENTERLINE

LANDS OF PASTORINO
PARCEL ONE EXCEPTION
5942 OR. 137
A.P.M. 056-280-060

LANDS OF MULLER
PARCEL 1
28 PM 15
A.P.M. 056-280-120

LANDS OF PASTORINO
PARCEL ONE
5942 OR. 137
A.P.M. 056-280-060

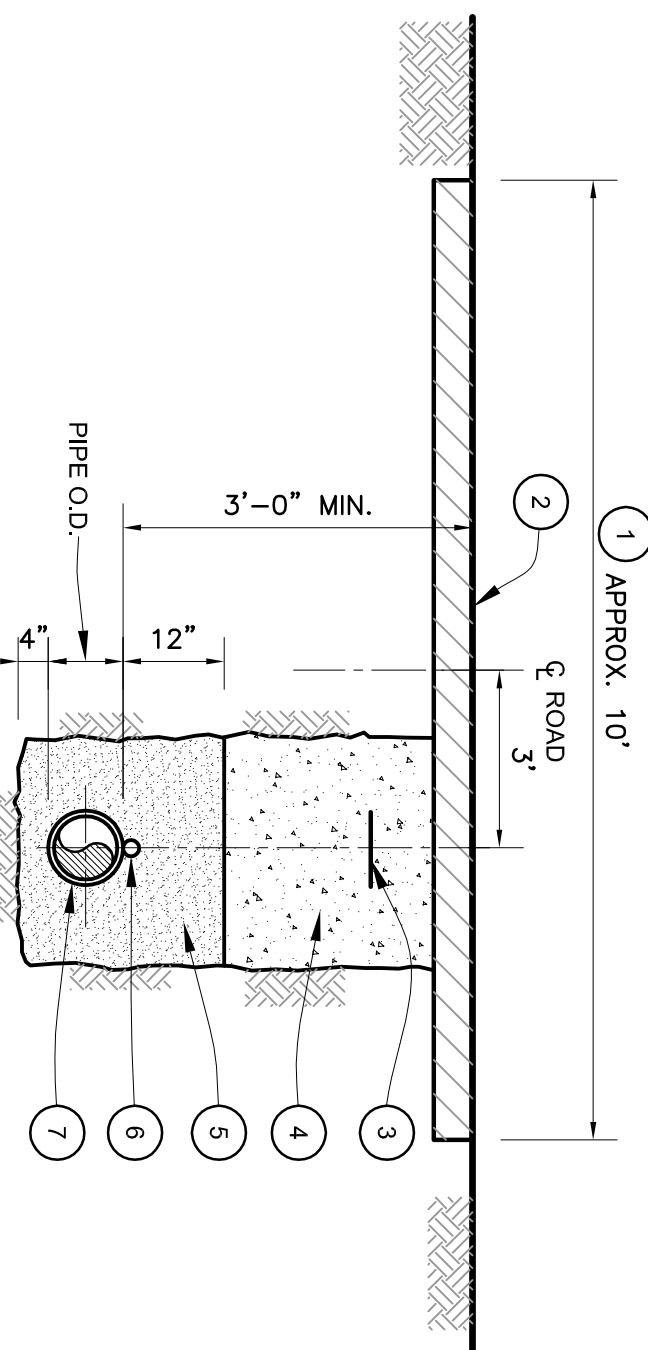
LANDS OF PASTORINO
PARCEL ONE
5942 OR. 137
A.P.M. 056-280-060

LANDS OF PASTORINO
A.P.M. 056-280-150

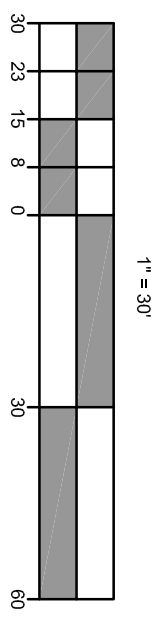
COASTSIDE LAND SURVEYING
P.O. BOX 453
HALF MOON BAY, CA 94019
650-879-9625
FIRBANK, CA 94010
WYO 064690 (646) 969-0000

- LEGEND:**
- ⑤ COURSE OF CENTERLINE OF PROPOSED 12' WIDE EASEMENT (SEE TABLE BELOW)
 - OVERHEAD UTILITY LINES
 - FENCE
 - JOINT UTILITY POLE
 - SMALL TREE
 - NOTE: TREES ARE 4" DIAMETER OR SMALLER UNLESS OTHERWISE NOTED
 - WATER VALVE

NOTES:
 TOPOGRAPHY BY STANDARD FIELD METHODS. TOPOGRAPHICAL FEATURES ACCURATE TO +/- TWO FEET.
 TOPOGRAPHICAL INFORMATION HEREON PROVIDED BY COASTSIDE LAND SURVEYING SHOWS SITE FEATURES AS THEY EXISTED AT THE TIME OF THE SURVEY. ANY SITE DEVELOPMENT PLAN, GRADING PLAN OR PROPOSED BUILDING LAYOUT SHOWN HEREON ARE ADDED BY OTHERS. TREE CANOPIES SHOWN ARE FOR SYMBOLIZATION ONLY AND DO NOT REPRESENT ACTUAL DRIPLINE CONFIGURATION.



TYPICAL TRENCH SECTION DETAIL
NO SCALE



TRENCH SECTION LEGEND

- | CIRCLED NUMBER | DESCRIPTION |
|----------------|---|
| 1 | EXISTING ROADWAY. |
| 2 | NEW RESURFACING OF EXISTING ROADWAY. CONFORM TO REQUIREMENTS OF PROJECT APPLICANT, JOHN MULLER. |
| 3 | NEW UTILITY WARNING TAPE. |
| 4 | NEW AGGREGATE BASE MATERIAL, COMPACTED TO 95% RELATIVE COMPACTION. |
| 5 | NEW CLEAN SAND, COMPACTED TO 95% RELATIVE COMPACTION. |
| 6 | NEW NO. 12 TYPE THW OR RHW COPPER WIRE LAID ON TOP OF THE PVC/WATER PIPELINE. ATTACH WIRE TO WATER PIPELINE AT 10 FOOT INTERVALS USING DUCT TAPE WHICH ENCIRLES THE WATER PIPELINE. NO WIRE SPLICES WILL BE PERMITTED. AT EACH GATE VALVE BRING THE WIRE TO THE GROUND SURFACE INSIDE THE VALVE BOX, AND TAPE THE WIRE TO THE VALVE BOX JUST BELOW THE COVER. |
| 7 | NEW PVC WATER PIPELINE. |

JAMES S. TETER
Consulting Engineer

15 Bayview Drive
San Rafael, CA 94901

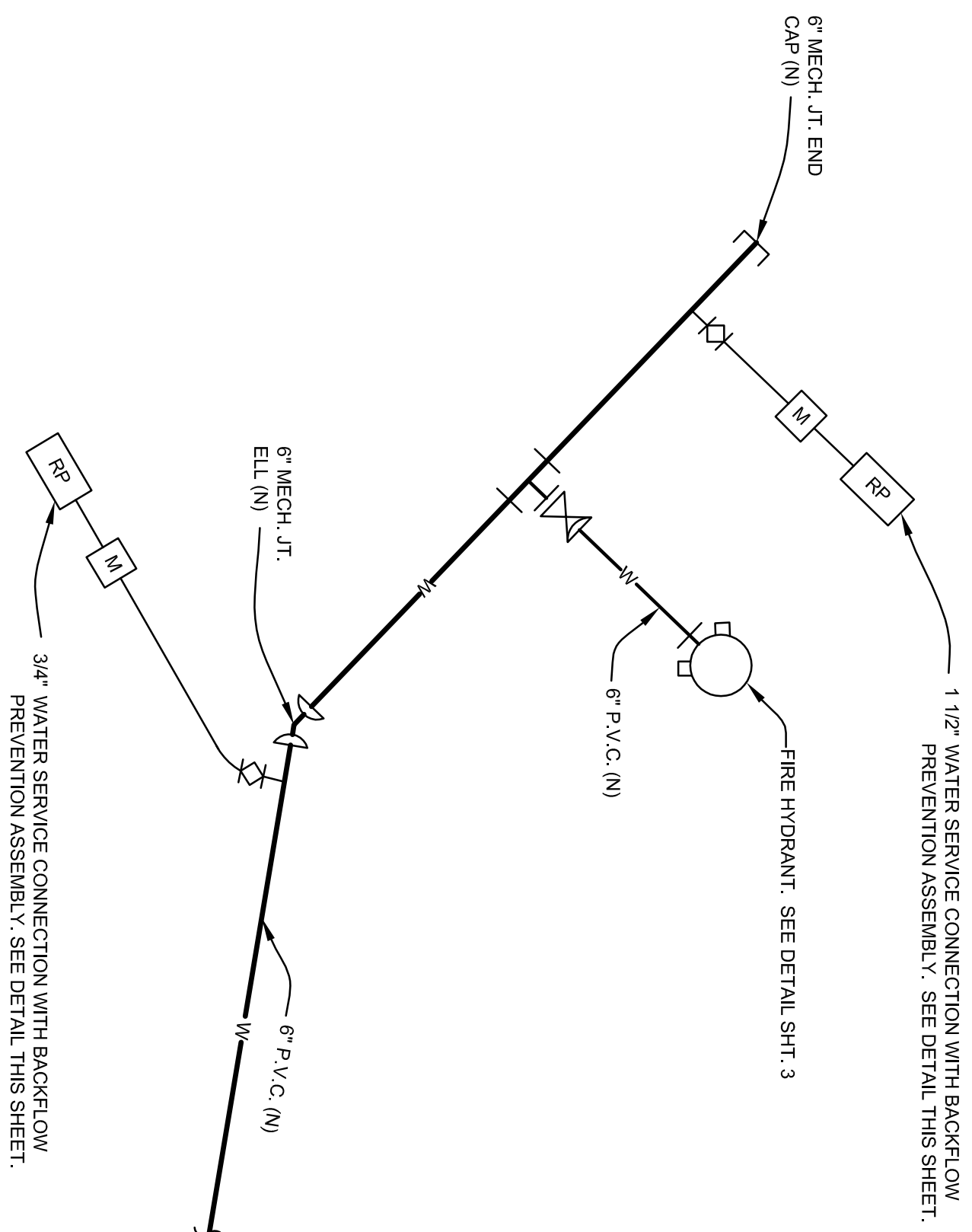
Tel: (415) 453-0754
Fax: (415) 453-0882

DATE:	7/22/13
DESIGN BY:	TETER
DRAWN BY:	RTHH
APPROVED BY:	
DRAWING NO.:	

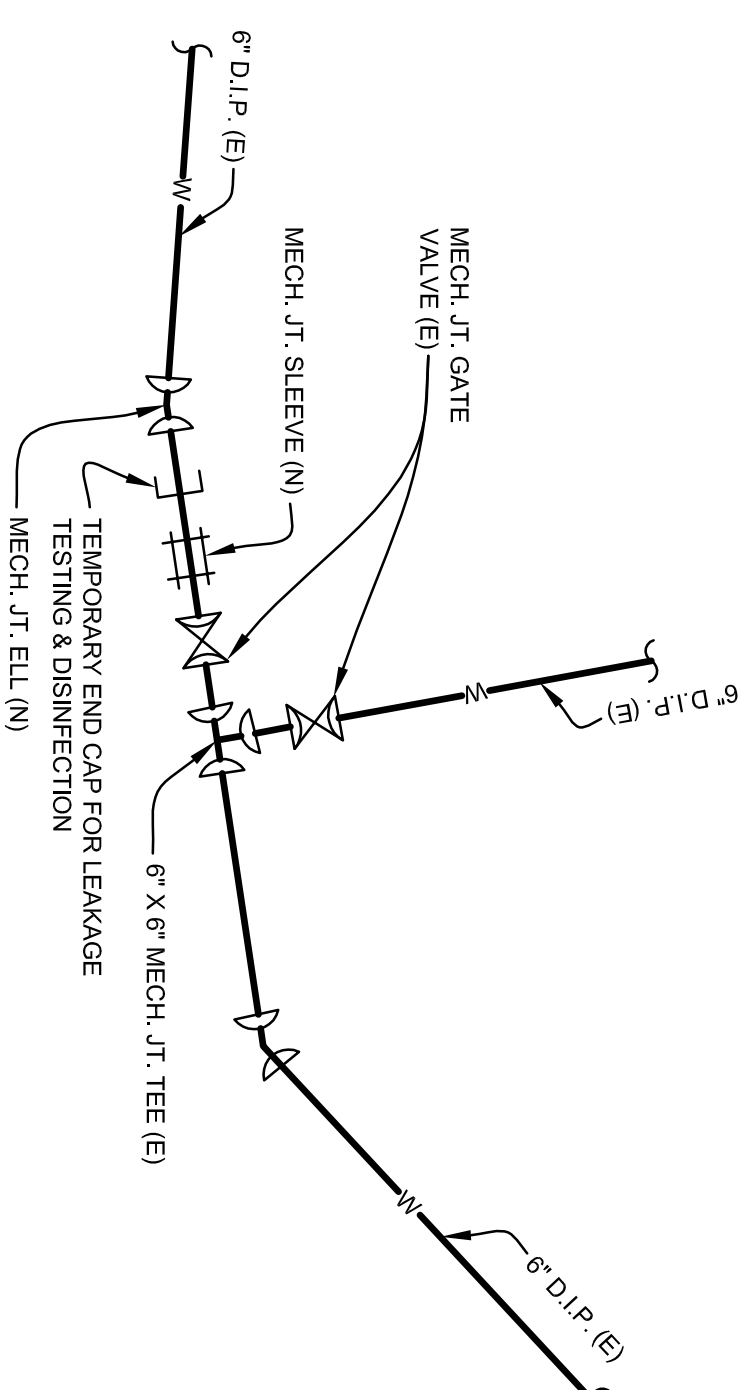
NO.	REVISION	DATE	BY

COASTSIDE COUNTY WATER DISTRICT
PIPELINE EXTENSION TO 923 & 925 MIRAMONTES STREET
ROADWAY PLAN

SHEET
1
OF 3 SHEETS

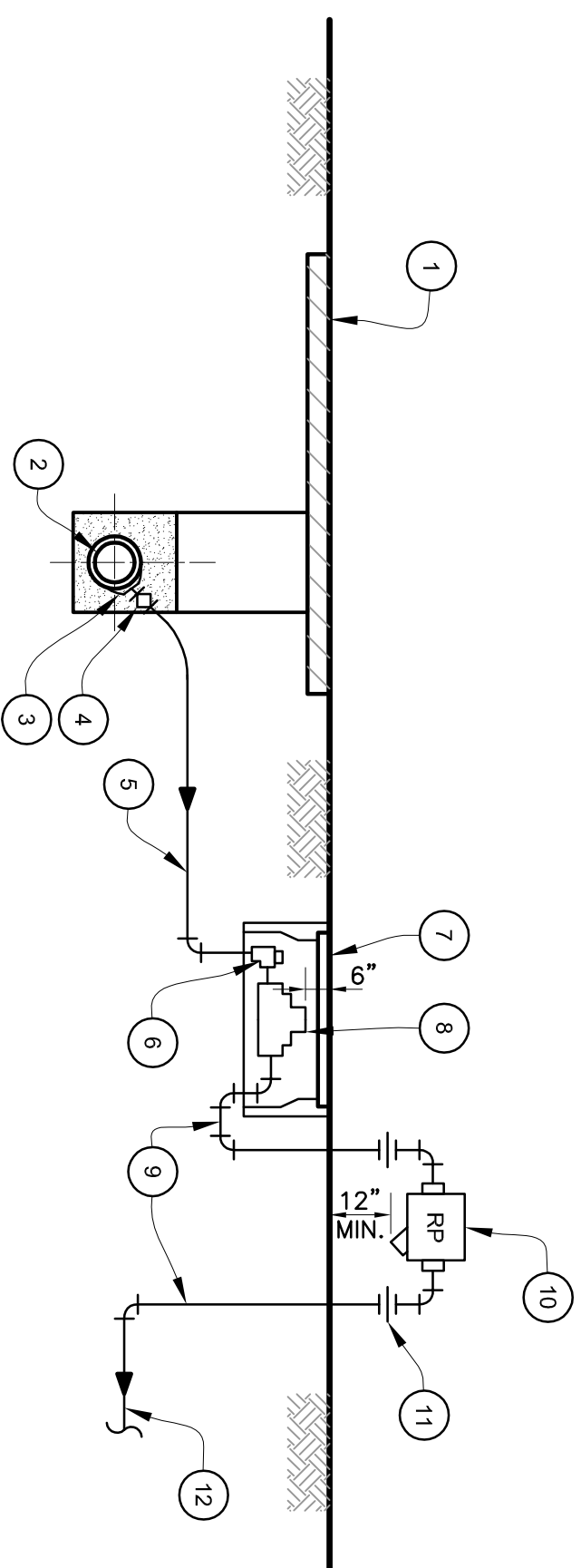


DETAIL 2
NO SCALE



NOTE:
FOLLOWING COMPLETION OF LEAKAGE TESTING & DISSECTION,
CONNECT THE NEW 6" P.V.C. PIPELINE TO THE EXIST' GATE VALVE
WITH A MECH. JT. SLEEVE AND 6" P.V.C. PIPE.

DETAIL 1
NO SCALE



TYPICAL SERVICE CONNECTION INSTALLATION DETAIL
NO SCALE

CIRCLED NUMBER	DESCRIPTION
1	EXISTING ROADWAY
2	NEW 6 INCH DIAMETER PVC WATER PIPELINE
3	NEW 6 INCH SERVICE SADDLE
4	NEW BALL CORPORATION VALVE
5	NEW TYPE K COPPER TUBING SAME DIAMETER AS SERVICE CONNECTION SIZE. FITTINGS SHALL BE MUELLER TYPE 110 SERVICE FITTINGS.
6	NEW METER ANGLE STOP.
7	NEW METER BOX AND LID.
8	NEW WATER METER
9	NEW BRASS PIPE WITH BRASS THREADED FITTINGS
10	NEW REDUCED PRESSURE TYPE BACKFLOW PREVENTION ASSEMBLY.
11	NEW BRASS UNION, TYPICAL OF 2.
12	

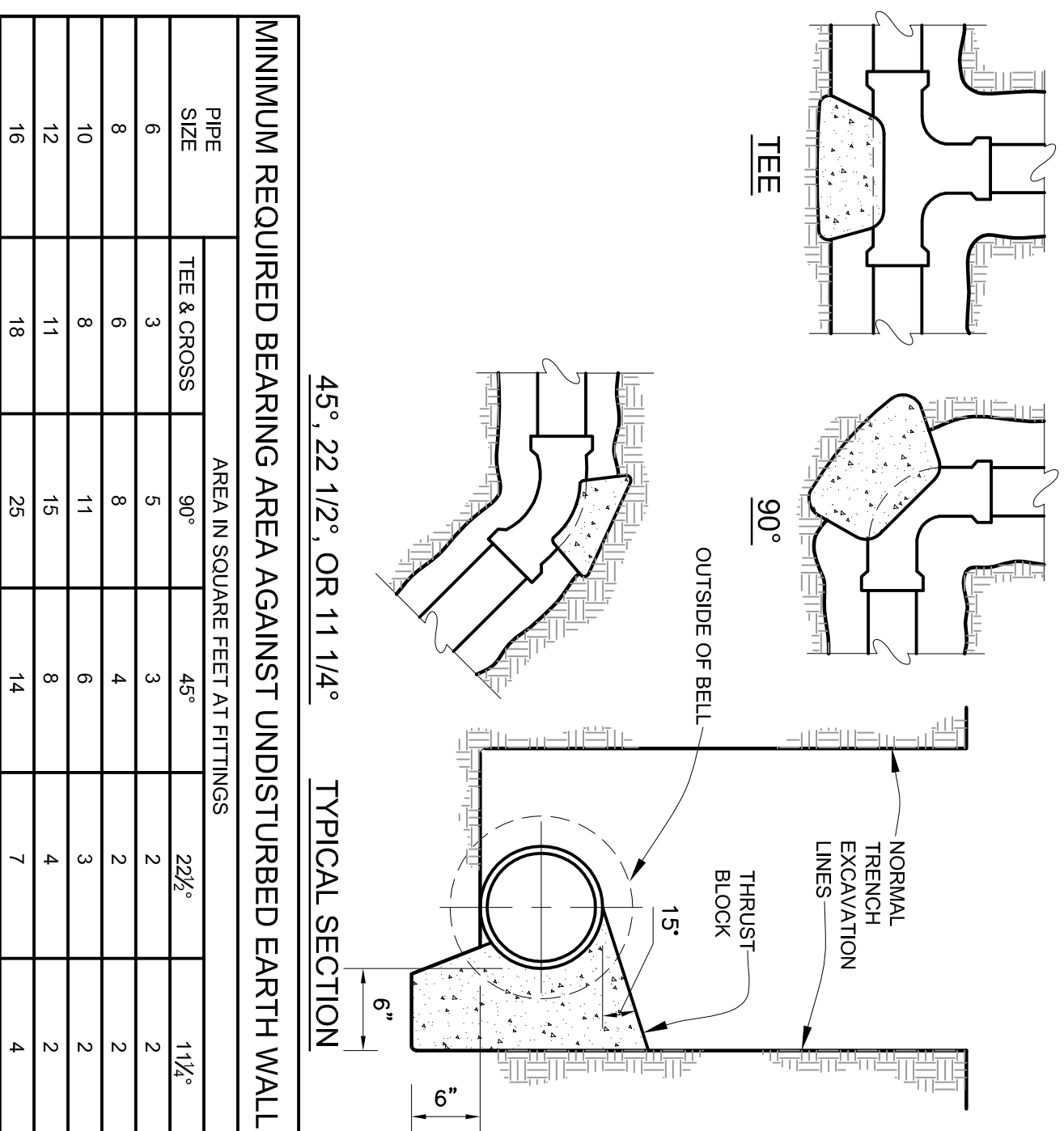
SERVICE CONNECTION LEGEND

JAMES S. TETER
Consulting Engineer
15 Bayview Drive
San Rafael, CA 94901
Tel: (415) 453-0754
Fax: (415) 453-0882

DATE:	7/23/13
DESIGN BY:	TETER
DRAWN BY:	RTHH
APPROVED BY:	
DRAWING NO.:	

SCALE	NO.	REVISION	DATE	BY
BAR IS ONE INCH ON ORIGINAL DRAWING.				
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.				

COASTSIDE COUNTY WATER DISTRICT
PIPELINE EXTENSION TO 923 & 925 MIRAMONTES STREET
PIPING DETAILS



PIPE SIZE	AREA IN SQUARE FEET AT FITTINGS		
	45°	22 1/2°	11 1/4°
6	3	5	2
8	6	8	2
10	8	11	3
12	11	15	4
16	18	25	7

- NOTE:**
- THRUST BLOCKS SHALL BE PLAIN CONCRETE POURED AGAINST UNDISTURBED EARTH.
 - CAPS AND PLUGS SHALL HAVE THRUST BLOCKS WITH AREAS AS SPECIFIED FOR TEES, CAPS, PLUGS, FLANGES AND MECHANICAL JOINTS SHALL BE COVERED WITH 8 MILS OF POLYETHYLENE BEFORE THRUST BLOCKS ARE POURED.
 - ALL THRUST BLOCKS SHALL BE POURED TO THE LINE OF RESULTANT THRUST.
 - THRUST BLOCKS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING VALUE OF 3000 LBS. F. AND 200 P.S.I.G. TEST PRESSURE. AREAS SHALL BE INCREASED FOR SOILS WITH LOWER BEARING VALUES OR FOR HIGHER TEST PRESSURE.

HORIZONTAL THRUST BLOCKS

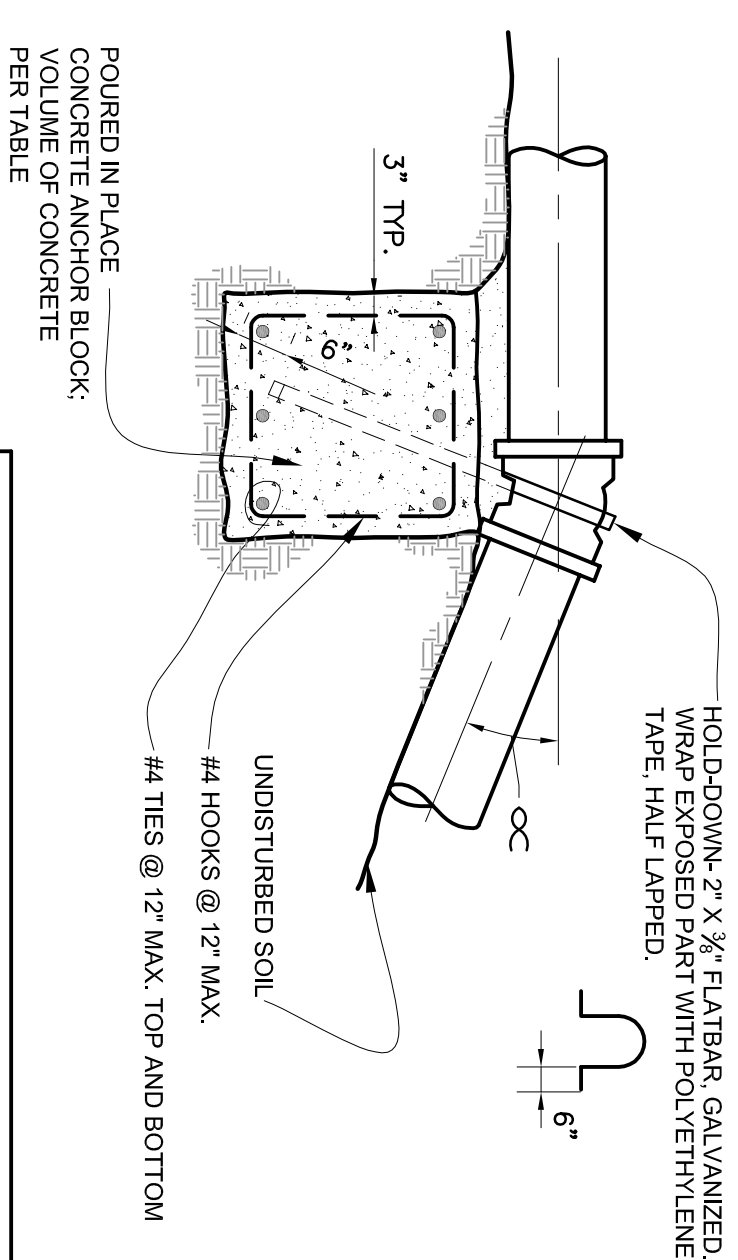


TABLE FOR WORKING PRESSURE 150 PSI

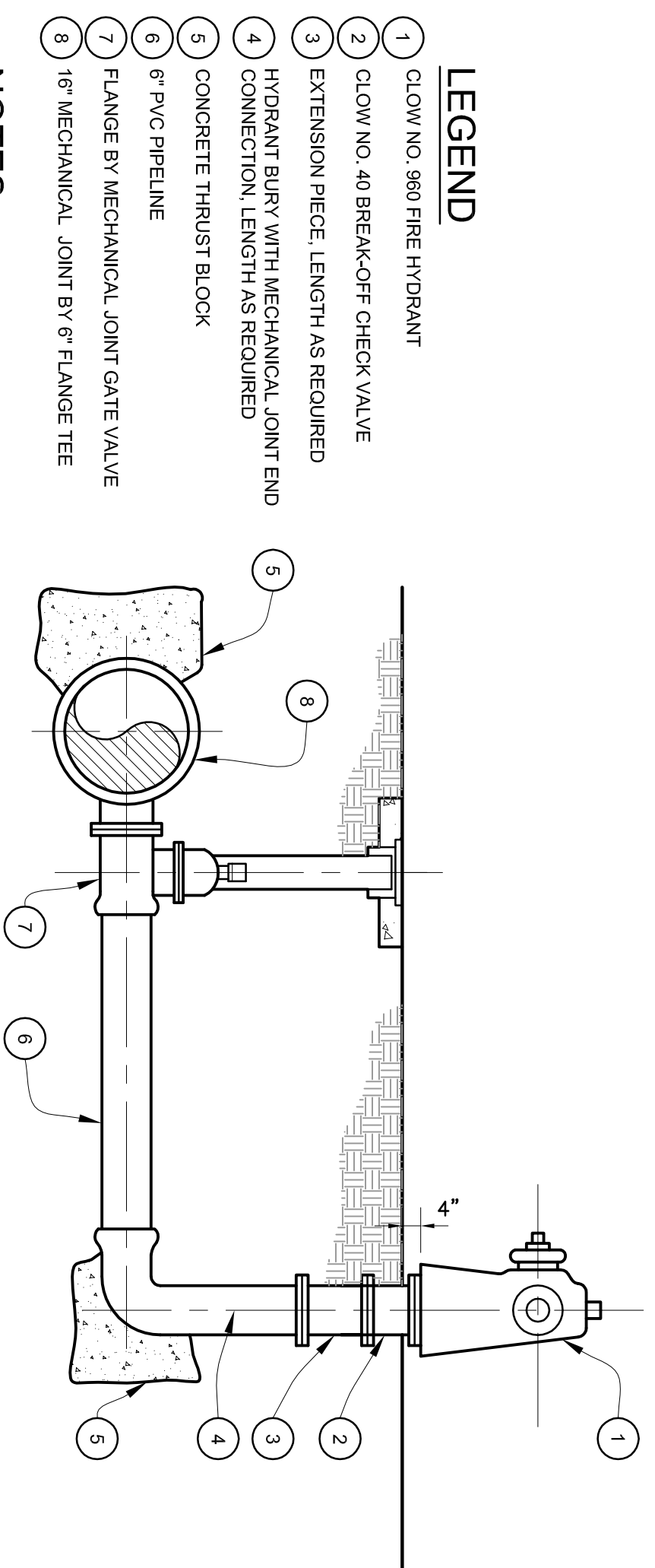
PIPE SIZE	REQUIRED CONCRETE VOLUME CUBIC FEET		
	OC = 11 1/2°	OC = 22 1/2°	OC = 45°
6"	4	8	12
8"	4	8	27
10"	12	16	48
12"	12	24	70
16"	20	40	90

UPLIFT THRUST BLOCK

- NOTE:**
- PROVIDE A CONCRETE THRUST BLOCK FOR EACH PIPELINE FITTING INCLUDING FITTINGS RESTRAINED USING MECHANICAL JOINT RETAINER GLANDS OR FIELD-LOCK GASKETS.

THRUST BLOCK DETAILS

NO SCALE



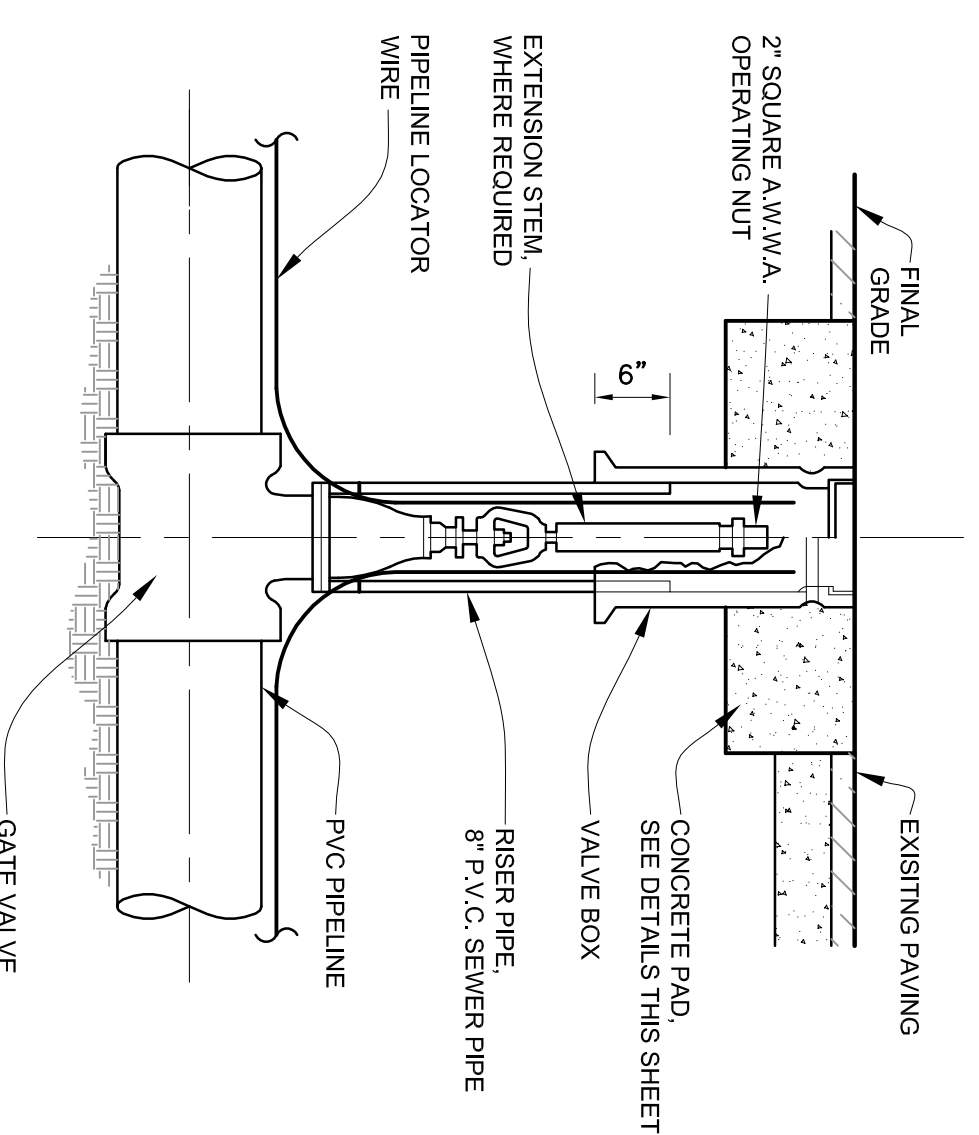
- LEGEND**
- CLOW NO. 980 FIRE HYDRANT
 - CLOW NO. 40 BREAK-OFF CHECK VALVE
 - EXTENSION PIECE, LENGTH AS REQUIRED
 - HYDRANT BURY WITH MECHANICAL JOINT END CONNECTION, LENGTH AS REQUIRED
 - CONCRETE THRUST BLOCK
 - 6" PVC PIPELINE
 - FLANGE BY MECHANICAL JOINT GATE VALVE
 - 1 1/2" MECHANICAL JOINT BY 6" FLANGE TEE

PROFILE

- NOTES:**
- LOCATION SHALL BE DETERMINED IN FIELD BY DISTRICT PERSONNEL.
 - ORIENT NOZZLES TO SUIT LOCATION.
 - ALL BOLTS AND NUTS SHALL BE TYPE 304 STAINLESS STEEL.
 - BOLLARDS TO PROTECT THE HYDRANT FROM VEHICLES SHALL BE INSTALLED AS DIRECTED BY DISTRICT PERSONNEL.

NEW FIRE HYDRANT INSTALLATION TYPICAL DETAIL

NO SCALE

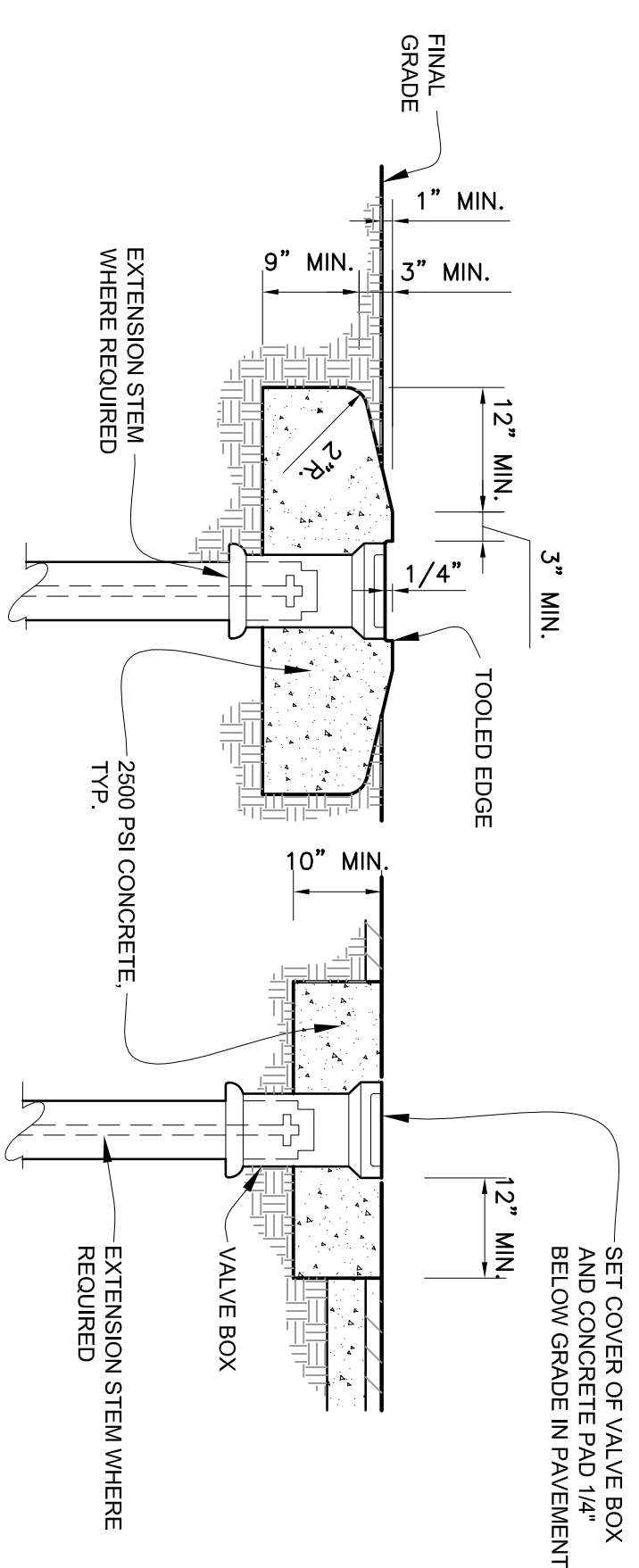


PROFILE

GATE VALVE

GATE VALVE INSTALLATION TYPICAL DETAIL

NO SCALE



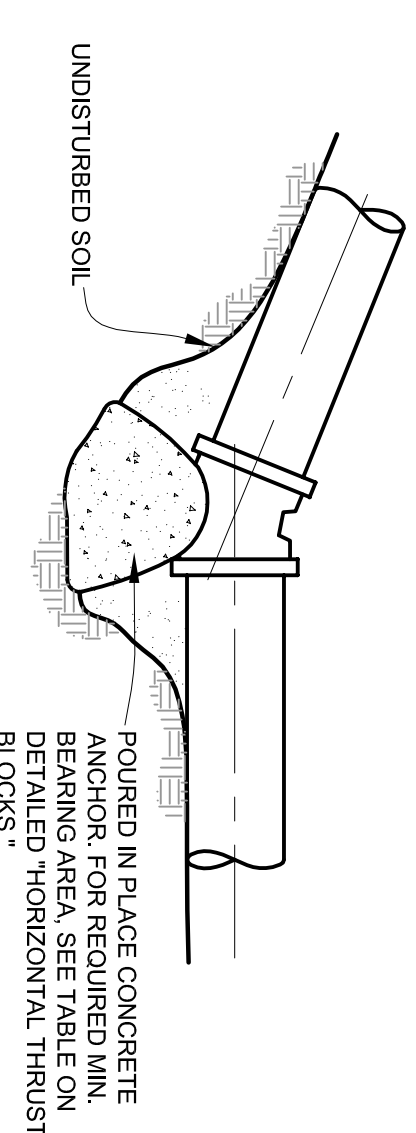
UNPAVED AREAS

PROFILE

VALVE BOX CONCRETE PAD

VALVE BOX CONCRETE PAD

NO SCALE



DOWNTHRUST BLOCK

VERTICAL THRUST BLOCKS

DATE:	7/23/13
DESIGN BY:	TETER
DRAWN BY:	RTHV
APPROVED BY:	
DRAWING NO.:	

DATE:		REVISION	NO.	BY

DATE:		REVISION	NO.	BY

DATE:		REVISION	NO.	BY

DATE:		REVISION	NO.	BY

DATE:		REVISION	NO.	BY

DATE:		REVISION	NO.	BY

July 30, 2013

Coastside County Water District

**WATER SYSTEM SPECIFICATIONS
FOR
PIPELINE EXTENSION TO 923 & 925 MIRAMONTES STREET**

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Specifications. This document contains the technical specifications for all water system facilities for which ownership upon project completion will be conveyed by the Applicants, John/Eda Mueller and Albert/Edo Adreveno, to the Coastside County Water District (CCWD). This document also contains the specifications for the backflow prevention devices which will be owned and maintained by the Applicants.
- B. Drawing. This Specifications document shall be used in conjunction with the engineering drawings for the project: "Pipeline Extension to 923 & 925 Miramontes Street", prepared by James S. Teter, Consulting Engineer, dated July 22, 2013, 3 Sheets..

1.02 REGULATORY AGENCIES

- A. Water System. All water system work shall be in conformance with the rules and regulations of the Coastside County Water District, County of San Mateo Department of Health Services, and the State Department of Health Services.
- B. Safety. All work shall be in conformance with applicable State and Federal laws and regulations, rules and orders and as may be necessary in order that the work is performed in a safe manner and that the safety and health of the employees and the people of local communities is safeguarded.
- C. Pollution Abatement. All work shall be performed in conformance with NPDES (National Pollutant Discharge Elimination System) regulations as well as with all other applicable pollution abatement rules and regulations.

1.03 PERMITS

Prior to beginning work, the Applicant or the project Contractor shall obtain all permits required for the work.

1.04 INSPECTION

- A. Responsible Agency:
 - 1. Water System Work. Inspection of water system facilities including bedding and backfill around piping will be performed by the CCWD. . CCWD inspection fees shall be paid by the Applicant.
 - 2. Other Work. Inspection of all other work including the remainder of the trench backfill over the water system facilities shall be performed by the Applicant.
- B. Notification. The CCWD shall be notified by the Contractor 10 days prior to the proposed start of construction of water system facilities. If construction is not continuous, the CCWD shall be notified at least 48 hours in advance of the resumption of construction.
- C. Observation. The CCWD and their authorized representatives shall at all times have access to the work, and the Contractor shall furnish every reasonable facility for ascertaining that the materials and workmanship are in accordance with CCWD requirements. All work performed and all materials furnished shall be subject to the CCWD's on-site and off-site observations. The CCWD will observe and inspect facilities solely to protect the interests of the CCWD and to determine whether the completed work is acceptable for incorporation into the CCWD system. The CCWD does not assume thereby any responsibility for the safety practices of the Contractor. The Contractor is responsible for the correct location of all facilities which are installed. All work shall be inspected by the CCWD prior to backfill. Work which has been backfilled prior to inspection by the CCWD shall be uncovered for observation at the expense of the Contractor.

1.05 CHANGES

All work shall be performed in conformance with the project documents approved by the CCWD. Changes shall not be made without the written approval of the CCWD.

1.06 REPAIR OF DAMAGE

The Contractor shall repair at his expense any damage to CCWD or other property caused by his work. At the option of the CCWD, repairs to CCWD facilities will be completed by the CCWD with the cost of the repair work being paid by the Contractor.

1.07 SITE CONDITIONS

The CCWD has performed no investigation of subsurface conditions in the work area. The Contractor shall visit the site prior to submitting his bid and shall be responsible for making his own evaluations, inspections and determinations of all site conditions, including subsurface.

1.08 LINES AND GRADES

The Contractor will be solely responsible for all lines and grades. At no cost to the Contractor, the CCWD will field locate existing water system facilities based on best available information. However, this CCWD locating assistance is not guaranteed to be either accurate or complete. The Contractor shall uncover all existing facilities by hand excavation (potholing) ahead of his machine excavation work. Where the project drawings indicate the location of water system facilities with respect to property corners or easement boundaries, the Applicant or the Contractor shall retain the services of a licensed land surveyor to field locate each property corner and easement boundary required for installation of the new water system facilities at the proper locations.

1.09 SALVAGEABLE MATERIALS

Existing CCWD materials removed during the normal prosecution of work deemed salvageable by the CCWD, except as otherwise noted on the project drawing to be reused, shall remain under CCWD ownership and shall be delivered to the CCWD corporation yard by the Contractor.

1.10 PERSONAL LIABILITY

Neither the CCWD, its Engineer, nor any of the CCWD officers or employees shall be personally responsible for any liability arising under or by virtue of the Contractor's work.

1.11 QUALITY ASSURANCE

- A. Performance Test. Prior to project completion, the Contractor shall demonstrate to the CCWD that all water system facilities perform in the manner in which they are intended for use.
- B. Leakage Test. All water pipelines, service tubing and piping accessories shall be tested for leakage in conformance with the requirements contained in Part 3 of this document.

- C. Disinfection. All potable water pipelines, service tubing and piping accessories shall be disinfected in conformance with the requirements contained in Part 3 of this document.

1.12 REFERENCES TO STANDARD SPECIFICATIONS AND REGULATIONS

- A. Reference to standard specifications, manuals or codes of any technical society, organization or association, or to the laws or regulations of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard specification, manual, code, law or regulation in effect at the time the project documents are prepared (date shown on Specification document).

PART 2 - MATERIALS

2.01 GENERAL REQUIREMENTS

- A. All materials shall be in conformance with CCWD rules and regulations for “approved” materials.
- B. All materials shall be new.
- C. Manufacturers furnishing pipe, valves, or piping accessories shall have had similar products in successful operation under similar operating conditions for a period of at least 5 years, and shall if requested submit a list of representative installations.
- D. Materials in contact with drinking water shall be certified as meeting the specifications of NSF International/American National Standard Institute (NSF/ANSI)1-2005/Addendum 1.0-2005(Drinking Water System Components--- Health Effects). This requirement shall be met under testing conducted by a product certification organization accredited for this purpose by the American National Standards Institute.
- E. Pipe materials, plumbing fittings or fixtures, and solder or flux shall be “lead free” as defined in California Health & Safety Code, Paragraph 116875, subd.(a). and subd.(d).

2.02 SHOP DRAWING REQUIREMENTS

- A. CCWD-Approved Materials. Where specific materials are listed below by manufacturer’s name and model number, they are District-approved materials by CCWD Resolution No. 2003-11. No shop drawing submittals are required for these CCWD-approved materials.

- B. **Approved Equal Materials.** Where the term “or approved equal” is used below, the Contractor may propose the use of alternative materials to those named by submitting shop drawings for the proposed alternative materials. Five copies of each shop drawing shall be submitted to the Engineer for review. The shop drawing submittal information shall be as required to demonstrate to the satisfaction of the District Engineer that the material is equal to the District-approved material. No alternative materials shall be incorporated into the work until they have received the CCWD Engineer’s favorable review. Where the term “or approved equal” is not utilized below, no alternatives will be considered by the CCWD.
- C. **Contractor Verification.** Where model, style or types of manufacturer’s products are listed below, they are intended to indicate a standard of quality. The Contractor shall verify that the referenced model, style or type is correct for the actual project application prior to ordering the materials. When listed model numbers are no longer available or are incorrect, the District will provide new model numbers for District-approved materials.

2.03 POLYVINYL CHLORIDE (PVC) PIPE AND FITTINGS

- A. **Pipe.** Pipe shall conform to AWWA Standard C900, pressure Class DR = 14. Minimum wall thickness of the pipe shall be 0.493 inches.
- B. **Pipe Joints.** Joints shall be bell and spigot type conforming to AWWA C900 with an internal restraint system similar and equal to the JM Eagle Loc 900 system or the Diamond Lok-21 system.
- C. **Fittings:** Fittings shall be ductile iron conforming to AWWA Standard C153, cement lined in conformance with AWWA Standard C104, with mechanical joint end connections. Each mechanical joint fitting shall be restrained using a EBAA Series 2000PV restraint gland. Polyethylene encasement for fittings shall conform to AWWA Standard C105C.

2.04 COPPER TUBING

- A. **Tubing:**
 - 1. **Buried Tubing.** Copper tubing for buried service shall be Type K (soft) conforming to ASTM B88.
- B. **Tubing Joints and Fittings.**
 - 1. **Buried Tubing.** Joints and fittings for buried copper tubing shall be compression type which do not require flaring or soldering. Service fittings shall be Mueller Series 110 compression connections.

2.05 BRASS PIPE

- A. Brass pipe shall be in conformance with ASTM-B43, regular. Joints shall threaded type.

2.06 GATE VALVES

- A. Gate Valves 4 Inches in Diameter and Larger. Gate valves shall be resilient-wedge type conforming to AWWA C509 and the following additional requirements. Valves shall be rated at 250 psi working pressure. All body and bonnet bolts, studs, and nuts shall be Type 316 stainless steel. Stem seals shall be O-ring type. Valve operators shall be 2 inch square nut type. Valve end connections shall be normally push-on or mechanical joint type except where flanged end connections are required. The interior and exterior of the valve body shall be coated with 10 mils minimum of epoxy material which conforms to AWWA Standard C550. The CCWD-approved valves shall be Mueller Co. A-2360 Series or Clow Corp. Model 2639.

2.07 VALVE BOXES AND RISER PIPE

- A. Valve Boxes. Valve boxes shall be Christy Model G-5 with cast iron lids with the work "Water" cast into the lid.
- B. Riser Pipe. Riser pipe for the valve operator shall be 8 inch diameter PVC sewer pipe conforming to ASTM D-3034, SDR 35.

2.08 SERVICE FITTINGS FOR COPPER TUBING

- A. Service fitting shall be Mueller Series 110 compression connections as listed below:

<u>Description</u>	<u>Mueller Model Number</u>	
	<u>3/4" & 1" Size</u>	<u>1-1/2" & 2" Size</u>
Ball Corporation Valve	B-25028	B-25008
Meter Angle Ball Valve	B-24258	B-24276
Union	H-15403	H-15403
Tee	H-15381	H-15381
Quarter Bend Union	H-15526	H-15526

2.09 THRUST RESTRAINT DEVICES

See Paragraph 2.03: PVC Pipe and Fittings above.

2.10 WATER METERS

- A. Water meters shall be Sensus meters with Orion automatic read devices. The Contractor shall purchase the meters through the CCWD.

2.11 METER BOXES

- A. Meter boxes shall be concrete, and shall be products of Christy Concrete Products, Inc. Lids shall have the work "Water" cast into the top. Extension pieces shall be provided as required so that the bottom of the meter box assembly is equal in elevation with the bottom of the meter or other device inside the box or as shown on the District Standard Installation Details or as directed by District field personnel. For water meter service connections, the following boxes and lids shall be provided:

CHRISTY METER BOXES AND LIDS

<u>Water Meter Size</u>	<u>Box No.</u>	<u>Non-Traffic Lid No.</u>
3/4"	B9	"P" type
1"	B16	"P" type
2", 3"	B36	"P" type

The "P" type lids are fabricated of reinforced concrete with a 1-3/4 inch hole for the automatic meter reading device.

2.12 SERVICE SADDLES

- A. Service saddles shall be double strap type with bronze bodies and straps rated for a working pressure of 200 psi. Outlet shall be either AWWA taper or IPT as required for the pipe fitting to be connected to the saddle. Service saddles shall be Mueller BR2B Series.

2.13 FIRE HYDRANT ASSEMBLIES

- A. Fire hydrants shall be Clow Model 960 with one 4-1/2 inch outlet and two 2-1/2 inch outlets. Each hydrant shall be provided with a Clow No. 400A breakoff check valve. The hydrant bury shall have a mechanical joint type end connection.

2.14 BOLLARDS (FIRE HYDRANT GUARD POSTS)

- A. Bollards, fire hydrant guard posts, shall be 4 inch diameter Schedule 40 galvanized steel pipe, 6 feet long.

2.15 UTILITY WARNING TAPE

- A. Utility warning tape shall be 6 inch wide, polyethylene, blue tape with black letters reading "Caution Buried Water Line Below", Seaton Item 37244 or approved equal.

2.16 PIPELINE LOCATOR WIRE

- A. Pipeline locator wire shall be No. 12 Type THW or RHW copper wire.

2.17 CONCRETE

- A. Concrete shall contain a minimum 564 pounds of Portland cement per cubic yard. Minimum compressive strength after 28 days shall be 3,500 psi.

2.18 SAND BEDDING AND BACKFILL MATERIAL

Sand for use in bedding and backfilling water pipelines and service tubing shall conform the requirements contained in the current edition of "Standard Specifications" issued by Caltrans (California Department of Transportation), Section 19. Use of beach sand will not be permitted.

2.19 WATER

Water shall be potable water unless otherwise permitted by the CCWD, and will be made available to the Contractor by the CCWD from available facilities at or in the vicinity of the work site. Cost of water shall be paid by the Contractor using a portable meter obtained from the District.

2.20 REDUCED PRESSURE TYPE BACKFLOW PREVENTION DEVICE ASSEMBLIES

- A. General. Backflow prevention assemblies shall be reduced pressure type. They shall be in conformance with the requirements of the American Water Works

Association, the Foundation for Cross-connection Control and Hydraulic Research at the University of Southern California, the County of San Mateo and the Coastside County Water District, and shall be NSF certified.

- B. Submittals. A shop drawing submittal is required.
- C. Assemblies $\frac{3}{4}$ Inch to 2 Inch Size. Mainline valve body, access covers, and relief valve body shall be bronze. Fasteners and springs shall be stainless steel. The assembly shall include full port ball valve shut-off valves and test cocks. The assembly shall be Febco Series 825Y, Willkins Model 975XL, or approved equal.

PART 3 - EXECUTION

3.01 EXISTING UNDERGROUND UTILITIES

- A. Prior to beginning work the Contractor shall notify USA to have the location of all underground utilities marked in the field. Prior to beginning machine excavation the Contractor shall verify the exact location of each underground utility by hand excavation (potholing).

3.02 SITE MEETING WITH DISTRICT FIELD PERSONNEL

- A. General. Prior to beginning work the Contractor shall arrange a meeting at the site with District field personnel to review the work requirements.

3.03 TRENCH BEDDING AND BACKFILL

- A. Trench Bedding. All water system facilities including water pipelines and service tubing shall be bedded with a 4 inch thick layer of sand.
- B. Trench Backfill:
 - 1. Pipe Zone Backfill. Backfilling work shall not begin until the District has completed its inspection of the piping work. All pipe and service tubing shall be backfilled with sand to a depth of 12 inches over the pipe. The sand shall be compacted to a minimum relative compaction of 95%.
 - 2. Upper Level Backfill: Conform to the requirements of the Typical Trench Section on the Contract Drawings.

3.04 PIPING GENERAL REQUIREMENTS

- A. Location:
1. Pipelines. Pipelines shall be installed true to line and grade as shown on the project Contract Drawings. Buried pipelines shall be installed at a continuously sloping grade between points of given elevation without low or high points. If high points cannot be avoided, an air release valve assembly shall be provided. Location of the pipeline may be modified by the Engineer to clear obstructions. Depth of cover over the pipeline to finish grade shall be as shown on the Improvement Plans.
 2. Service Connection Tubing. Tubing shall be installed at a continuously sloping grade upward from the connection point with the water pipeline to the water meter box without low or high points. Tubing shall be installed with a minimum depth of cover of 30 inches unless otherwise permitted by the District.
- B. Handling. Pipe and service tubing shall be handled carefully to prevent damage. Pipe and service tubing shall be plugged at the end of each work day and at other times as required to prevent the entry of water or foreign material.
- C. Trench Conditions. Pipe and service tubing shall have a full, even bearing on the top of the trench bedding material. All piping shall be laid in the dry; the Contractor shall dewater the trench as required. Piping ends shall be clean when joints are made.
- D. Clearance Distances of Water Pipelines from Other Underground Utilities and Facilities. Water pipelines and service tubing shall be installed with the following minimum clearances from other underground utilities:
1. Electrical Wires or Conduits, Storm Drains, Telephone Conduits, Cable TV Wires or Conduits, Other Utilities, and Other Facilities. Minimum horizontal clearance shall be 3 feet; minimum vertical clearance shall be one foot.
 2. Sanitary Sewers Including House Laterals. Minimum horizontal clearance shall be 10 feet; minimum vertical clearance shall be one foot. Water pipelines shall pass over sanitary sewers where feasible. The Contractor shall provide written documentation to the CCWD for each instance where a sanitary sewer line is passing over a water pipeline.
- E. Thrust Restraints. All piping shall be adequately braced against thrust. Buried pipe shall be provided with concrete thrust blocks in conformance with the CCWD Standard Installation Details. Concrete thrust blocks are required for restrained joint type pipe fittings.
- F. Connections to Existing Water Pipelines. Connections of new water pipelines to existing water pipelines shall be made in a manner which does not require taking the existing water pipeline out of service. Where required, connections

shall be made by the “hot tap” method. It shall be the responsibility of the Contractor to verify by actual field measurement all existing site conditions including the size and type of the existing pipeline prior to ordering the tapping sleeve and tapping valve for the hot-tap connection.

- G. Leakage Test. All piping shall be tested for leakage in conformance with the requirements specified for each type of pipe. The Contractor shall provide all materials and labor required for the leakage test including the pump, pressure gauge, corporation stops, and temporary plugs and thrust blocks. The procedure shall be to (1) fill the pipeline with water to the required test pressure, (2) disconnect the test pump hose and wait for the duration of the test period to elapse, (3) reconnect the test pump and measure the volume of water required to re-establish the test pressure. Following completion of the test the Contractor shall dispose of the leakage test water in conformance with NPDES regulations. It shall be the Contractor’s responsibility to block off during the testing all piping appurtenances which may be damaged by the test pressure and to provide suitable thrust restraints. Leakage testing shall be witnessed by the District.
- H. Disinfection and Bacteriological Testing:
1. General. All piping systems conveying potable water shall be disinfected. Disinfection shall be in conformance with AWWA Standard C651 except as otherwise required by this document. The Contractor shall provide all materials and labor required for the disinfection process and shall dispose of the disinfection solution in conformance with NPDES requirements including dechlorination.
 2. Procedure:
 - a. Preliminary Preparation. The system shall be flushed with water to remove and dirt introduced into the piping during construction operations. All service outlets and fire hydrants shall be opened and the flushing operations continued until clear water flows from each outlet (Note: flushing shall be deferred until after completion of the disinfection process if tablets have been placed in the pipeline during the construction for disinfection).
 - b. Introduction of Disinfection Agent. The disinfection agent may be any chlorine compound approved by AWWA C651. The disinfection agent shall be injected slowly and continuously into the system until tests indicate a chlorine residual concentration of at least 25 mg/L at each pipeline outlet. All outlets shall then be closed and this condition maintained for 24 hours.
 - c. Preliminary Tests. After 24 hours tests shall be made for residual chlorine at each pipeline outlet. The minimum acceptable concentration shall be 10 mg/L. If the concentration is less than 10 mg/L, the disinfection procedure shall be repeated. If the concentration at each outlet is over 10 mg/L,

- the system shall be flushed out until a test at each outlet indicates a chlorine residual of less than 1.0 mg/L.
- d. Bacteriological Analyses. The CCWD will obtain samples from the piping being disinfected and have bacteriological analyses performed by a State certified laboratory. The number of samples taken shall conform to AWWA C651 (unless otherwise permitted by the District) and State Department of Health Services requirements. Costs of bacteriological analyses shall be paid by the Contractor.
 - e. Final Approval. The requirement for final approval is that each water sample analyzed shall be in conformance with State disinfection requirements. If all bacteriological analyses are not in conformance with these requirements the disinfection procedure shall be repeated.
 - f. Disinfection by Spraying or Swabbing. Water piping installations which cannot be disinfected using the procedure described above shall be disinfected by spraying or swabbing the pipeline interior with a minimum 1% chlorine solution immediately prior to installation.

3.05 PVC PIPE INSTALLATION

- A. General. Pipe installation shall be in conformance with Section 5 of AWWA Standard C605 for Underground Installation of Polyvinyl Chloride (PVC) Pressure Pipe and Fittings for Water, and with the recommendations of the manufacturers of the pipe and fittings.
- B. Jointing shall be in conformance with the pipe manufacturer's installation instructions. Special care shall be taken so as not to exceed the manufacturer's recommendations for joint deflection. For bends exceeding the allowable deflection, fittings shall be installed.
- C. Pipe Taps. All pipe taps shall be made using a service saddle.
- D. Restrained Joints and Concrete Thrust Blocks. All pipe joints shall be restrained using the materials described in Part 2 of this Specification section and also with a concrete thrust block.
- E. Polyethylene Encasement. All buried ferrous products including pipe fittings, valves and piping appurtenances shall be polyethylene encased. Installation shall be in conformance with either Methods A or B of AWWA Standard C105. The polyethylene encasement shall prevent contact between the piping and the surrounding backfill and bedding material but is not intended to be a completely airtight or watertight enclosure. Overlaps shall be secured by the use of adhesive tape furnished with the polyethylene encasement.
- G. Leakage Test. All PVC piping shall be tested for leakage for a duration of 2 hours at a test pressure of 150 psi. Allowable leakage for below grade piping shall not exceed the following:

<u>Pipe Diameter</u>	<u>Allowable Leakage per 1000 Linear Feet of Pipe During the 2 Hour Test Period</u>
6"	0.50 gallons
H.	Locator Wire Electrical Continuity Test. The #12 copper wire installed on top of the PVC pipeline shall be tested for electrical continuity between each pipeline gate valve where the wire is brought to the surface inside the valve box. He electrical continuity test shall be performed using the District's pipe locator equipment. A satisfactory continuity test requires a signal to be transmitted and received between each pipeline gate valve.

3.06 COPPER SERVICE TUBING INSTALLATION

- A. Installation. Installation of copper tubing including jointing shall be in conformance with the recommendations of the manufacturers of the tubing and fittings.
- B. Leakage Test. Copper tubing shall be hydrostatically tested for leakage together with the pipeline to which it is connected. No leakage will be permitted.

3.07 BRASS PIPE AND FITTINGS INSTALLATION

- A. Installation. Installation of brass pipe and fittings including jointing shall be in conformance with the recommendations of the manufacturers of the pipe and fittings.
- B. Leakage Test. Brass pipe and fittings shall be hydrostatically tested for leakage together with the pipeline to which it is connected. No leakage will be permitted.

3.08 INSTALLATION OF VALVES AND OTHER PIPING ACCESSORIES

- A. Installation of valves and other piping accessories shall be in conformance with the recommendations of the manufacturer of the product and in conformance with the District Standard Installation Details. A valve box shall be provided for each below grade valve. The Contactor shall demonstrate to the satisfaction of the District the proper performance of each piping accessory prior to project acceptance.
- B. Reduced Pressure Backflow Prevention Assemblies.

1. Installation. Installation shall be in conformance with the recommendations of the manufacturer, as well as in conformance with the requirements of the CCWD and the County of San Mateo.
2. Leakage Test. These assemblies shall be blocked off during the pipeline leakage testing by closing the isolation valves on the inlet and outlet of the assembly. These assemblies are not suitable for the leakage test pressure. When the assemblies are put into service any observed leakage shall be repaired.

3.09 SERVICE CONNECTION INSTALLATION

- A. Piping for Water Meter Installation. The piping for the water meter installation shall be constructed at a sufficient depth below grade to allow sufficient space for installation of the water meter and its automatic metering reading head. The required distance will vary depending on the size of water meter. The distance from the top of the automatic metering reading head to the bottom of the water meter box lid shall be 6 inches.
- B. Irrigation Service Connections. Irrigation service connections where shown on the project drawings shall consist of both an irrigation water meter service connection and a backflow prevention device.

3.10 AS-BUILT DRAWINGS

- A. Prior to project acceptance, the Contractor shall provide the District with a set of the project drawings marked for As-Built conditions. The as-built markings shall include the following (1) all changes made to the project drawings during construction, (2) field measurements locating the actual location of the pipeline horizontally from property corners and other surface facilities, (3) horizontal distance of each valve from a minimum of 2 permanent surface facilities such as utility poles, curb and gutter, etc., (4) depth of cover for the pipeline at all locations, as constructed, and (5) the locations of all underground facilities encountered during construction including horizontal location and depth of cover. In addition, documentation shall be provided describing each location where a sanitary sewer pipeline passes over a water pipeline.

END OF DOCUMENT

Recording Requested by:

Coastside County Water District

And When Recorded Mail To:

Coastside County Water District

766 Main Street

Half Moon Bay, CA 94019

GRANT OF EASEMENT (NON-EXCLUSIVE)

For a valuable consideration, receipt of which is hereby acknowledged,

("Grantor"), hereby grants to COASTSIDE COUNTY WATER DISTRICT, a public corporation of the State of California ("District") and its assigns and successors in interest, a perpetual and exclusive easement for the purpose of constructing, repairing, maintaining, replacing, renewing and using a pipeline and appurtenant facilities for the transmission and distribution of water, and for all connected and associated purposes, together with the right of ingress and egress over said easement for the aforesaid purposes, over, under and across the real property situated in the County of San Mateo, State of California, which is described in Exhibit A attached hereto and incorporated herein by this reference and depicted on Exhibit B attached hereto and incorporated herein by this reference.

This easement is non-exclusive. However, Grantor will not grant any other party rights to use the area within the easement for any purpose, which would unreasonably burden or interfere with District's use or enjoyment of its easement rights. In addition, Grantor will not grant any other party rights to install (1) non-potable or potable water pipelines including but not limited to sewer lines, irrigation lines or well water lines within 10 feet horizontally or crossing vertically above the District's water pipelines, or (2) other underground facilities including but not limited to gas pipelines, or electrical, telephone, and cable TV conduit or cable, within 4 feet horizontally or crossing vertically within 2 feet over or under the District's water pipelines, or such within greater distance as may be required by subsequently enacted laws or regulations of any federal, state or local governmental authority with jurisdiction. Nor will Grantor make any use of the surface of the property within the easement which would unreasonably interfere with District' easement rights, including, but not limited to, construction of any fixed structure.

IN WITNESS WHEREOF, the Grantor has executed this conveyance this _____ day of _____, 20____.

(NOTARY Acknowledgement)

EXHIBIT A

Description of Easement

EXHIBIT B

Map of Easement

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: August 13, 2013

Report

Date: August 8, 2013

Subject: Contract with Calcon Systems for Instrumentation and Controls Work

Recommendation:

Waive the requirement in Resolution 2012-01 to solicit competitive bids and authorize the General Manager to enter into a time-and-materials agreement with Calcon Systems for instrumentation and controls work, in an amount not to exceed \$250,000.

Background:

Calcon Systems has provided instrumentation and control services to the District for more than six years. Their work includes the following:

- Troubleshooting and repair of electrical and control systems at all District facilities.
- Calibration of flowmeters, turbidity meters, and other instrumentation.
- Fabrication of control panels.
- Programming of programmable logic controllers, which are widely used in all District control functions.
- Programming of graphic interface software used by operations and field personnel.
- Design and implementation of new control systems.
- Modification and reprogramming of existing control systems.
- 24/7 on-site response to control system-related emergencies.

The District's field and operations personnel have come to depend on Calcon for their detailed understanding of District systems and processes and their responsiveness. When we have emergencies that require their assistance, Calcon has never failed to respond quickly and to stay on the job until the problem is solved.

While Calcon has bid successfully for the large controls projects we have put out for competitive bids, including programming for the Nunes and Denniston treatment plant improvement projects, most of their work has been small lump-sum projects falling below policy thresholds for competitive bidding. Rather than continuing this approach, staff proposes to execute a time-and-materials agreement with Calcon under which they would work closely with District staff to plan and implement controls projects. Attachment A outlines the scope and

estimated cost of projects currently in the District's workplan, including several larger projects included in the Capital Improvement Program.

Essential terms of the time-and-materials arrangement, as agreed with Calcon, would be as follows:

1. All Calcon work would be done on a time-and-materials basis.
2. Rudy Everett will be Calcon's project manager and the District's point of contact for all Calcon work.
3. Hourly rates to be \$135/hour for Rudy Everett, \$125/hour for other technicians, with no additional charge for overtime, weekends, holidays, etc..
4. No travel time will be charged.
5. District will pay travel cost allowance of \$250 per person per trip.
6. District will reimburse expenses for parts, supplies, subcontractors, etc. billed through Calcon at cost x 1.15.
7. Calcon will keep detailed time records including technician, times of site arrival and departure, and hours and description of work performed by project and will provide records to the District on request.
8. Calcon will keep records of all reimbursable expenses and will submit them to the District on request.
9. For projects exceeding an estimated cost of \$5000, or at District request, Calcon will prepare a detailed time and materials budget.
10. To facilitate District tracking of projects, Calcon invoice will break down charges by project, showing current charges and total charges to date vs. project budget.
11. Calcon project manager will meet monthly (or at District request) with District staff to review project status and schedules.

Given the nature of this work, the number of projects, the need to coordinate closely with District operations, and Calcon's depth of experience with the District, staff does not believe it is practical or in the District's best interests to put the work out for competitive bid. Staff therefore recommends that the Board waive the competitive bidding requirements for instrumentation and controls work to be performed by Calcon Systems and authorize staff to contract with Calcon on a time-and-materials basis to perform work including, but not limited to the projects outlined in Attachment A, in an initial amount not to exceed \$250,000.

Fiscal Impact:

Cost up to \$250,000. Costs for proposed work are included in the Operation and Maintenance Budget and in the Capital Improvement Program for FY 13-14.

Coastside County Water District
Controls Project Workplan, FY13-14

JOB	DESCRIPTION	ESTIMATE	CIP Budget
District-wide Controls Replacement and Digital Data Communications Network	Project designed by Frisch Engineering and budgeted over 3 years in CIP at \$750,000. Replaces obsolete control systems at all District tanks and pump stations and provides a dedicated, digital data communications network to link all District facilities. Work to be done on in phases as developed with District staff.	\$200,000	\$750,000 over FY14-FY16
Nunes Backwash System Strategy	Change the backwash control strategy to allow for operator input using valve percentages for L, H, HH, H, L.	\$ 2,800.00	
Nunes Control System Upgrades	Convert all legacy analog controls to digital controls in new PLC, remove all obsolete wiring, components, displays, etc., and provide all necessary PLC and operator interface programming.	\$ 46,150.00	\$75,000 in FY13
Contact Clarifier Controls	Control of PLC-2, Robert's Contact Clarifier System. CCWD would like complete control of the Contact Clarifier from SCADA. The need for individual HOA control of the chemical skids, dilution pump, and blowers will require modifications to the PLC-2 as well as PLC-1 code, in addition to SCADA. Additional CC Wash set points and control from SCADA.	\$ 13,700.00	
CAHILL Panel Upgrade SFPUC	SFPUC has decided to upgrade their flow meter in the CAHILL ridge vault. This upgrade requires an upgrade to the CCWD panel to accommodate the new flow meter signal and signal splitter required to parallel the data signal for both CCWD and SFPUC.	\$ 1,370.00	
District Wide "Tank" SCADA	CCWD would like to have additional screens added to a SCADA system which will display all of the District wide Tank Levels. This will require telemetry to all of the tanks which are currently not tied into the new control system, but are only tied into the old RUGID network. This project revolves around the location of the SCADA node and the radio telemetry architecture. The estimated cost and duration are based only on the software development and assumes all the required data point telemetry is in place.	\$ 2,740.00	
Honeywell Reproduction	CCWD would like to have the soon to be decommissioned Honeywell reproduced and displayed 'permanently' on a large monitor. This would include the Overview Screen & all of the Trends. The layout would mimic the Honeywell and facilitate a quick learning curve for data analysis needs. The large monitor is currently not installed at Nunes. This would be an additional monitor and for this estimate is not included.	\$ 2,740.00	
WIN911 @ Nunes	CCWD would like to have the Alarm Dialer software changed from SCADA Alarm to WIN911. The SCADA Alarm product is now obsolete and will not be maintained. WIN911 is the chosen replacement and for consistency and simplification for the CCWD on call operators the decision has been made to install and program WIN911 @ Nunes.	\$ 5,740.00	
PLC Programming Software	Procure, install and configure RS-Logix 5000 in order to have PLC programming support on the local SCADA computer. This will also enable remote support of PLC related troubleshooting and/or modifications.	\$ 2,240.00	
District Wide SCADA @ Nunes	CCWD would like all SCADA systems, which include, NWTP, DCWTP, and Crystal Springs (not currently installed) to be remotely accessible for display and control from the Nunes Water Treatment Plant. The end goal would enable the Nunes Plant Supervisor to monitor and have limited control of treatment plants, the CSP pump station, and the DCWTP pump station.		
Sludge Valve Control	The Sludge Valve at Nunes is currently operated manually and there's no feedback or control from the main PLC/SCADA. The purpose of this project is to integrate the Sludge Valve control and provide variable input timers accessible from SCADA for the frequency and duration of the Sludge Valve cycle. No additional alarms or trends will be added.	\$ 3,480.00	
Utility Water to SCADA	There's a planned upgrade for the Utility Water System at Nunes. Upon completion of the upgrade by others, CCWD would like the system to be integrated with the main PLC/SCADA. This will include any required signal tapping and conduit runs up to the main PLC control panel. A new screen will be added to the SCADA with access to an undefined amount of the skid functionality.	\$ 7,170.00	\$40,000

Coastside County Water District
 Controls Project Workplan, FY13-14

Relocation of computers, monitors, and the operator desk.	CCWD would like the operator computers, monitors, and desk at DCWTP to be relocated outside of the plant Lab. The components consist of two computers, 3 to 4 monitors, and a desk. Final location is TBD, possibly in front of the Potassium permanganate tank.	\$ 2,240.00	
CSP Surge Tank Retrofit	Retrofit the CSP Surge Tank control panel with a complete new control system. This includes a modern PLC with HMI, replace relay logic, upgrade obsolete components, new level probes, new solenoids, new wire as needed. Air can be added to the Surge tank from the HMI/Auto eliminating the need for personnel to enter the vault. Enclosure, acceptable wire and conduit runs will be reused. A new panel door will be provided.	\$ 37,000.00	\$40,000
CSP Pump Station Upgrade	Replace obsolete IQ hardware in each of the MCC's. Integrate the new Motor protection relays with the Allen Bradley control system providing the required accessibility for remote access operations. This will enable remote operators to reset alarm trips of the Motor Protection Relays and access to the control system data and operations. This includes all the software development for PLC, HMI, and elimination of the RUGID 3 protocol translator. Note: This project estimate does not include the required telemetry for remote accessibility, but prepares everything once the radio telemetry is in place.	\$ 43,000.00	\$50,000
Pilarcitos Blending Station	Instrumentation and PLC Control system for Automatic Flow Control. Enables operator to input a desired rate of flow which will adjust the flow control valve automatically to allow blending of Pilarcito/Crystal Springs water sources.	\$ 32,500.00	Budgeted in previous fiscal years
El Granada Temporary Tank	Provide/ re use level control signals for the El Granada temporary tank project. Maintain the Rugid RTU pump logic for automatic filling of Tank 2 temporary. Some questions are unresolved from project documents that will require a site visit to finalize.	\$ 8,220.00	Included in current EG Tank 2 proj
Denniston & Nunes Turbidity	Remove (5) 1720-E Turbidity Meters at Nunes and install (5) Hach Scatter Turbidity Meters. Remove (3) existing Turbidity meters at Denniston and install (3) 1720-E Turbidity Meters.	\$ 10,000.00	\$35,000

Total Estimated Cost

\$421,090

STAFF REPORT

To: Coastside County Water District Board of Directors

From: David Dickson, General Manager

Agenda: August 13, 2013

Report Date: August 8, 2013

Subject: General Manager's Report

Recommendation:

None. Information Only.

Background:

Please see attached Operations and Water Resources Reports.

MONTHLY REPORT

To: David Dickson, General Manager
From: Joe Guistino, Superintendent of Operations
Agenda: August 13, 2013

Report
Date: August 7, 2013

Monthly Highlights

El Granada Tank 2 Renovation

The contractor has begun work on the rehabilitation of this tank. The project calls for inside lining replacement, outside overcoating, new roof vent and hatch, patch the side vents, a new chime and ladder, installation of a tri-level sample station and improved security.

Montecito Street PRV

In the process of replacing this pressure reducing valve (PRV) station, the contractor discovered a segment of 6-inch pipe in a 12-inch pipeline. This could prove to be another bottleneck in the easy delivery of water between Denniston Tank and the rest of the system.

Source of Supply

Crystal Springs Reservoir was the only source of supply in July.

System Improvements

Geographic Information System (GIS) System

We have hired a temporary employee to take pressure readings from all fire hydrants in the system and input these readings into the GIS system. Crews also continue to assist CalCad in locating all meters for inclusion into the GIS system.

Pump Station Improvements

The chlorination system at Alves Pump Station was improved with new residual analyzer and plumbing (PS)

Cahill Tank Ladder Replacement

The original Cahill Tank Ladder was made of fiberglass and became an ongoing safety issue to the crews due to the shedding of fibers on clothes, gloves and skin. Princeton Welding designed a new ladder and platform, which was installed in July after removal of the old ladder and power washing and recoating of the area immediately around the ladder and the tank roof.

Other Activities Update:

Denniston WTP

Craig Thompson of Kennedy/Jenks trained and assisted treatment staff in the inspection and cleaning of the media and cleaning of the screens of the new clarifiers. Seasonal decommissioning involves keeping the access hatches open so that air can circulate through the media over the summer. Crews designed screens which were fabricated and installed to prevent access by insects and birds.

Montecito Street PRV

As you recall from last month's report, it was discovered that an undetermined length of the 12" transmission main running down Avenue Balboa had been replaced with a 6" main in the area around the Montecito Street Pressure Reducing Valve (PRV). We issued a change order for the Montecito Street PRV Replacement Project for potholing the area to determine the exact extent of the 6" line. In the process of potholing, we have discovered that installation of the storm sewer near the site may have been the reason why the 12" was replaced with a 6" line during its construction about 12 years ago. We will be consulting with District Engineer Jim Teter to design a bypass around the area since it would be very difficult to remove the 6" line due to the interference of storm and sanitary sewer and gas lines. This will be a separate project from the PRV installation, which will be complete in August.

Miramontes Point Road Main Failure.

On 1 July, the 10" transmission line from the Alves Tank to the Miramontes Tank failed. In the repair process, crews discovered that there was a quarter-sized hole in the main that was corroded from the outside, indicating that the failure was most likely caused by stray currents in the area. Two other failures on this relatively new line further implicate stray currents as the most likely cause. PG&E investigated but reported that there were no stray currents found. They suggested a consultation with a corrosion engineer. We will be continuing the investigation on this matter.

Regulatory Agency Interaction

California Department of Public Health (DPH)

On the first week of July, we received the formal report of the Denniston Plant inspection from DPH. It was very favorable. They requested to see the operations manuals for the contact clarifiers and the On Site Hypochlorite generators, clarification on the sludge processing, a report on the new coagulant and our permanganate control system and the updates to our Operations and Maintenance (O&M) manuals. We will be responding to their requests over the next few months.

New DPH Contact

We were informed by DPH in a 31 July letter that our new contact Associate Sanitary Engineer will be Karen Nishimoto, who will be replacing Tara Ouitivan.

Safety/Training/Inspections/Meetings

Meetings Attended

- 2 July - Met with Jim Teter to discuss ongoing District Projects, including the San Benito Pipeline Replacement, Avenue Cabrillo Phase 2 and the Nunes Utility Water Improvements.
- 10 July - Cal/Nev Section American Water Works Association (AWWA) awards committee teleconference
- 16 July - El Granada Tank 2 Recoating Project kickoff meeting with Paso Robles Tank and Jim Teter
- 16 July - Half Moon Bay Village Project meeting with Doug Peterson of BKF and Abby Goldware of MidPen Housing to discuss the next phase of the project incorporating Bloom Lane.
- 17 July - Employee luncheon. Thank you Board of Directors.
- 18 July - Cal/Nev Section AWWA governing board meeting in Sacramento
- 19 July - O&M Staff meeting
- 23 July - Met with Kellyx Nelson at the Resource Conservation District (RCD) to discuss the Randtron and Pilarcitos Road repair work required to mitigate erosion issues into Pilarcitos Creek.
- 24 July - Met with Rudy Everett of CalCon to discuss impending work.

Safety Meetings and Training

There was no safety committee meeting scheduled for July.

The monthly CINTAS safety training in July was on Hazard Communication; Globally Harmonized System (GHS) Labeling System and Safety Data Sheets (SDS); and Basics of Hazmat Emergency Response. Patterson, Davis, Guistino, Bruce, and Donovan were in attendance from Coastside County Water District (CCWD).

Treatment/Distribution Operator Jack Whelen attended a herbicide spray class on 16 July.

Kennedy/Jenks trained the operations staff on the proper seasonal decommissioning of the two contact clarifiers at Denniston.

Safety Equipment

- Pressure relief valves for all of our pressure vessels were ordered in July for installation in August.
- Cleaned out and made accessible the riser for our sprinkler system.
- Set up an inspection binder for the forklift.
- Installed a new flammable storage cabinet in the shop.
- Cleared path around and tested the eyewash station in the shop.

Tailgate safety sessions in July

- 1 July - Water Safety Isn't All Wet
- 8 July - Hand Grinder Safety
- 16 July - Eye Safety
- 22 July - Lightning: The Underrated Killer

Projects

El Granada Tank 2 Renovation

We held a construction kickoff meeting on Tuesday, 16 July, to discuss the project, access times and schedule. Afterwards we visited the site to discuss staging areas and neighborhood compatibility. We are presently in the process of reviewing submittals with an estimated mobilization date of 19 August.

Avenue Cabrillo Project Phase 2

District Engineer Jim Teter completed the bid specs and drawings and they were reviewed by District Staff. A request for proposal was sent out in July with the bid opening date set for Tuesday, 3 September, at 14:00.

San Benito Street Main Replacement Project

This project was estimated to be under \$30,000 so we solicited three firms for their informal bid: Andreini Brothers came in at \$24,800, JMB Construction came in significantly higher and Stoloski and Gonzales did not want to participate.

.

STAFF REPORT

To: Board of Directors
From: Cathleen Brennan, Water Resources Analyst
Agenda: August 13, 2013
Subject: Water Resources

This informational report includes:

- Water Use Efficiency Outreach

During extended dry periods, the District makes an effort to increase public awareness on water use efficiency. This summer the District used traditional advertising through the Half Moon Bay Review by running full page color advertisements. In addition, the District was approached by Safeway to purchase advertising space on grocery carts at the Safeway in Half Moon Bay this fall. The District is encouraged that these water use efficiency advertisements will reach most of our customers.

Half Moon Bay Review Advertisements
June 26 2013 Newspaper & July 2013 Magazine

Grocery Cart Advertisements
October Through December 2013

When in Drought...

There are actions you can take to reduce your water use. Consider these simple tips to save water at your home or business.

CHECK FOR LEAKS. Make sure your faucets, toilets and showerheads are not leaking and check your irrigation system. If you find leaks, fix them - leaks can waste nearly 1,000 gallons of water each month.

CONSIDER AN UPGRADE. If you are thinking about a bathroom upgrade, now is a good time to replace fixtures with high-performing WaterSense labeled models. These high-efficient fixtures are independently certified to use at least 20 percent less water than standard models. Rebates are available for customers of Coastside County Water District for purchasing and installing high efficient WaterSense labeled toilets. www.coastsidewater.org/water-use-efficiency.html

SAVE WATER OUTDOORS. As much as 50 percent of water used for irrigation is wasted due to inefficient, mist or runoff caused by inefficient irrigation methods and excessive fertilizer and water savings by using regularly water-sensate plants to create a water smart landscape that is both beautiful and efficient to maintain that costs appeal your senses. Once established, water plants require little water beyond normal rainfall.

WaterSense labeled irrigation controllers take watering schedules to local weather conditions. The average single family home can save nearly 10,000 gallons of water annually by replacing a standard clock timer controller with a WaterSense labeled irrigation controller.

DO THE EXTRA MILE. If you have done all you can do to be water-efficient, you can get credit by allowing water from dish-washing or other uses and leaving it to water your plants.

Coastside County Water District
www.coastsidewater.org (650) 726-4405

September 2013 Magazine

Curb Your Water Waste!

A broken or missing sprinkler head could waste as much as 27,000 gallons of water over a six month irrigation season. Remember four simple steps - inspect, connect, divert and adjust.

- **Inspect:** Check your irrigation system for clogged, broken, or missing sprinkler heads.
- **Connect:** Examine points where the sprinkler heads connect to pipes or hoses. If water pools in your landscape or you have large wet areas, you could have a leak in your system.
- **Divert:** Are you watering the driveway, house, or sidewalk instead of your yard? Redirect sprinklers to apply water only to the landscape.
- **Adjust:** Update your water schedule with the seasons. Select a WaterSense labeled irrigation controller to take the guesswork out of scheduling. Visit www.epa.gov/watersense/outdoor.

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Coastside County Water District
www.coastsidewater.org

Save Our WATER

www.saveourh2o.org

Consider A Toilet Upgrade. Toilet rebates are available from Coastside County Water District, if you replace an existing toilet with a WaterSense labeled toilet. WaterSense labeled toilets use 20 percent less water than standard models. Up to \$100 rebates are available for replacing tank style toilets. www.coastsidewater.org/water-use-efficiency.html

Check For Leaks. Make sure your toilets, faucets and showerheads are not leaking.

Save Water Outdoors. As much as 50 percent of water used for irrigation is wasted. Learn more about water efficient irrigation with Sprinklers 101 at www.saveourh2o.org

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Water is California's most precious natural resource.

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