

CRESCENTA VALLEY WATER DISTRICT

**2700 Foothill Boulevard
La Crescenta, California**

**Agenda for the
Adjourned Regular Meeting of the Board of Directors
of the Crescenta Valley Water District
to be held on Tuesday, March 17, 2015 at 7:00 p.m.**

Posted: March 13, 2015 at 3:00 p.m.

Any written materials distributed to the Board in connection with this agenda will be made available at the same time for public inspection at the District office located at the above address.

Call to Order and Determination of Quorum

Pledge of Allegiance

Adoption of Agenda

Public Comments

At this time the public shall have an opportunity to comment on any non-agenda item relevant to the subject matter jurisdiction of the Board. This opportunity is non-transferable and speakers are limited to one three (3) minute comment.

Foothill Municipal Water District Report

1. Report on activities at Foothill Municipal Water District.

Consent Calendar

1. Consideration and approval of Minutes of the Regular Meeting on March 3, 2015.
2. Ratification of Disbursements for February 2015.

Action Calendar

The public shall have an opportunity to comment on any action item as each item is considered by the Board prior to action being taken. This opportunity is non-transferable and speakers are limited to one two (2) minute comment.

1. **Award of Contracts for the Procurement of Equipment for CVWD's Well 16 and Related Facilities, Project E-940** – Consideration and motion to authorize the General Manager to award contracts for the procurement of equipment for CVWD's Well 16 and related facilities with the following contractors:
 - a. Best Drilling and Pump, Inc. for manufacturing, delivery and installation of a New Submersible Pump and Motor Assembly at a cost of \$39,500.
 - b. RollApart Buildings, Inc. for manufacturing, delivery and installation of the New Pump Building for Well 16 at a cost of \$86,132.
 - c. Royal Wholesale Electric for manufacturing and delivery of a new electrical motor control center (MCC) and electrical switchboard for Well 16 at a cost of \$101,998.
2. **8-Inch Water Transmission Main in La Crescenta Avenue from Hermosa Avenue to Sycamore Avenue as part of CVWD's Well 16 and Related Facilities, Project E-940** - Consideration and motion to authorize the General Manager to advertise for bids for the construction of 1,260 lineal feet of 8-inch water transmission main in La Crescenta Avenue from Hermosa Avenue to Sycamore Avenue with an engineer's estimate for construction of \$301,300.

3. **FY 2015/16 Water and Wastewater Budgets** – Discussion of updated FY 2015/16 Water and Wastewater Budget numbers.

Information Items

Written Communications to District

Staff Reports

Secretary-Treasurer

1. Cash and Investments –March 13, 2015.

General Manager

1. Administrative Report.

District Engineer

1. Water Production Report –March 1 – 13, 2015.
2. Report on Administrative and Field Operations.

Program Specialist

1. Report on Water Conservation issues.

Information Technology

1. Report of Information Technology issues.

Attorney

1. Report on legal and related matters relevant to the District.

Reports of Committees

Engineering Committee

1. Consideration of engineering issues affecting the District.

Finance Committee

1. Consideration of finance issues affecting the District.

Employee Relations Committee

1. Consideration of employee relations issues affecting the District.

Policy Committee

1. Consideration of policy issues affecting the District.

Community Relations/Water Conservation Committee

1. Consideration of community relations/water conservation issues affecting the District.

Emergency Planning Committee

1. Consideration of emergency planning issues affecting the District.

Director's Oral Reports

Report on issues, meetings, or activities attended by Directors.

Closed Session

- **Conference with Legal Counsel**
 - o Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9: One case.
- **Public Employee Discipline/Dismissal/Release (§54957)**
 - o One case.
- **Public Employee Appointment (§54957)**
 - o Title: General Manager

Board Members' Request for Future Agenda Items

Adjournment

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CRESCENTA VALLEY WATER DISTRICT REGULAR MEETING, BOARD OF DIRECTORS

March 3, 2015

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District, made at the Adjourned Regular Meeting of February 17, 2015, a Regular Meeting was held on March 3, 2015, at 7:00 p.m. at the District office at 2700 Foothill Blvd., La Crescenta, California, with President Kenneth R. Putnam presiding.

At roll call, the following Directors and staff members were present:

Directors:	James D. Bodnar Michael L. Claessens Kerry D. Erickson Kenneth R. Putnam Judy L. Tejada (Arrived late)
Attorney:	Thomas S. Bunn
General Manager:	Dennis A. Erdman
Secretary-Treasurer:	Ron L. Mitchell (Absent)
District Engineer:	David S. Gould
Others Present:	Mark Hass, IT Manager Christy Scott, Program Specialist Wendy Holloway, Customer Accounts Supervisor

PLEDGE OF ALLEGIANCE

President Putnam opened the meeting by asking Director Bodnar to lead the Board and staff in reciting the Pledge of Allegiance.

ADOPTION OF AGENDA

It was moved by Director Bodnar, seconded by Director Erickson and carried by a 4-0 vote that the Agenda for the Regular Meeting of March 3, 2015 be adopted as presented.

PUBLIC COMMENT – None

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – Kathy Ross reported on the Board Meeting that was held on February 19, 2015 and discussed association memberships and that Director Matthews wanted to look into California Special Districts Association, and they decided not to do anything at this time due to the cost. Also she said that they are supporting Dennis Erdman for his nomination to the ACWA/JPIA Executive Committee and that it is too late to do any work at the Altadena Force Main Extension, however, it was passed to hire Krieger & Stewart to do some additional checking on the system. The Water Resource Committee met today and Ms. Nina Jazmadarian gave a power point presentation regarding the water levels, water storage, and the allocation in April. Ms. Ross also talked about the upcoming outreach activities which include on April 28 there will be a Water supply/allocation workshop that will include FMWD Board members and Member Agencies. On April 16th they will be

hosting the La Canada Flintridge Chamber Event. On May 31st, Descanso Gardens is having an event on Control your Controller and there was discussion on Diamond Valley Lake on the 2015 supply.

CONSENT CALENDAR

It was moved by Director Tejeda, seconded by Director Bodnar and carried by a 5-0 vote to approve the Minutes of the Adjourned Regular Board Meeting held on February 17, 2015 and for the Special Meeting held on February 24, 2015.

ACTION CALENDAR

Request to Move a Meter Box – Mr. Erdman reported that Mrs. Young Song who lives at 2658 Piedmont Avenue has requested that the District move a meter box which is in the parkway in front of her home. She has requested this for many years. This meter box is for the adjoining property to the left of her lot and she wants to have a flower garden in this area. The meter box was relocated many years ago when the City of Glendale did street improvements. When the meter box was relocated to the parkway between the homes, she raised objections and asked for it to be moved. CVWD staff reviewed the situation and found that the meter box is appropriately located in the public right of way behind the curb. It is possible to relocate the meter box and remove the one that is in the parkway between the homes; however it would mean relocating the house lateral and the service lateral for the adjoining property. The District does not normally get involved with plumbing on the customer's side.

Following discussion:

It was moved by Director Bodnar, seconded by Director Claessens and carried by a 3-1 (Putnam) with 1 abstention (Tejeda) vote not to move the meter box.

Update on Water Quality Event– Ms. Scott reported that on February 22, 2015, the District began receiving several water quality complaints regarding color in the water which could not be detected when just a glass of water was filled. Over the next three days, the District received a total of 13 calls in regards to the color of the water. All calls were located in Zone 1 and Zone 2 were tested in the field for turbidity, color, odor, temperature, total and free chlorine, and pH, and all were within State and Federal guidelines or operational standards. On February 23rd, following three additional calls of the same nature, the District launched an in-depth investigation into the issues. Visual inspections were made from the distributing reservoirs, (Ocean View and Encinal). Jar tests and chlorine residuals were collected from reservoirs and sample taps to ensure proper chlorine levels and to look for any color. Calls were made to FMWD and Glendale to discuss operational changes which might have contributed to the issue. A conference call with MWD Water Quality was made to review the facts and seek advice on any other possible solutions or testing that could be done. A call was placed to the State Water Resources Control Board informing them of the problem and action plan. The State Board was satisfied with the verbal information and will receive a written report with the monthly water quality report submittal on March 10th. Ms. Scott said that every customer who called in with a complaint received a visit from staff and a follow-up call late Wednesday to address any additional concerns they might have. The first part of the routine distribution coliform and well testing is complete with no reportable detections. The sample from Ocean View Reservoir which was completed using an ICPMS scan had no abnormal reportable detections for metals and was in the normal range for cations and anions. A preliminary scan for algae showed no detection. The Operations staff is continuing to monitor the two zones affected and no further complaints have been received.

FY 2015/16 Water and Wastewater Budgets – Mr. Gould reported that staff met with the Finance Committee on February 26, 2015 and presented the first draft of the FY 2015/16 Water and Wastewater budgets, which included the proposed water production and sales projections. There are a number of variable's that are considered by staff when preparing the annual water and sales projections such as, continued state-wide drought conditions, less than average rainfall, decrease capacity of CVWD's groundwater wells, increase in the District's water conservation efforts, meeting the 20% reduction of water demand by 2020 requirements, MWD's water supply allocation plan, historic water production data and unaccountable water loss through water main or lateral leaks and inaccurate meter readings. Staff anticipates that water production will reduce in FY 2015/16 in response to the current drought condition. The Finance Committee requested information from staff on how to expedite the replacement of water meters and developing an AMI system. Mr. Gould presented a FY 2015/16 Budget schedule with three (3) options and suggested using option one (1) which will expedite the budget process and have Proposition 218 notifications out by April 17, 2015, and to approve the budget on the June 16, 2015 meeting.

INFORMATION ITEMS – Irvine News: California has entered fourth year drought, experts say. ACWA.com: ACWA-Sponsored bill introduced on Chromium-6 compliance. LA Times: Orange County lawsuit tests tiered water rates.

WRITTEN COMMUNICATIONS TO DISTRICT – Letter from State Water Resources Control Board regarding annual report for calendar year 2014 and information update.

REPORTS OF PERSONNEL

SECRETARY-TREASURER – No Report

GENERAL MANAGER – Mr. Erdman reported there are several employees celebrating their anniversaries this month. Wendy Holloway 33 years, Raymond Dodge and Cory Whitman 22 years, Pam Leddy 13 years, Christy Scott 12 years, Ricardo Sandoval 11 years and Mark Hass 9 years. We have work 266 days without a loss time accident. He also went on the tour of the State Water Project sponsored by MWD and found it was very enlightening. Lake Orville was at 49% and the Delta which is strongly stressed is not sustainable as it exists today.

DISTRICT ENGINEER

Water Production – For the period of February 1 through February 28, 2015, water production averaged 92.3 million gallons per day, which is **12.3% less** than the daily average production of the same period in 2014. This is **4.1% less** from the daily average production of the previous five years.

Rainfall: February 2015	1.53"
Season-to-date:	9.23"

Administrative and Field Operations – Mr. Gould provided a memorandum and discussed the following:

Rainfall Update – 1.53" for February 2015. Rainfall total for 2014-15 is 9.23".

Report on Engineering

CIP Projects – Well Rehabilitation, E-934 – Well 11 – Back in service. Ocean View Chlorination Project – Building – Advertising for Bids. Equipment – Under Design. Oak Creek MCC – Construction to start- March 9, 2015. MCC to be delivered by middle of

July 2015. Pipeline Replacement – 8 inch water main - Complete. Sewer Relining Project – Complete.

Crescent Valley County Park - Local Groundwater Assistance Grant – Monitoring Wells – MW1 – 60 feet to Bedrock: Complete. MW-2 – 130 feet to Bedrock – to be completed by March 4, 2015.

Well 16 – Prop 84 – Drought Relief Grant – Design – Working on RFQ's for MCC, Pre-Fab Building & Pump & Motor Assembly. Waiting on Agreement with LAFCD.

Ocean View Overflow/Drain Line – Design – Setting up meeting with LCF to review proposal for hydrology & hydraulics.

FMWD Issues – No Report.

ULARA – No Report.

La Canada Flintridge – Water Committee – No Report.

As-Needed Consulting Services – DMC Engineering - Water Service Laterals – Design – 30% complete. SA Associates - Recycled Water Feasibility Study – 20 % Complete. GWI Consulting - Surge Tank – Finalizing Proposal.

Water Meter Replacement Program – Start FY 14/15 Water Meter Replacement Program – Replaced 511 meters to date. Staff is reviewing alternatives to accelerate the meter replacement.

Report on Administrative and Field Operations:

Well Status – Well production capacity remained steady at 2.5 MGD. Installing Flow Control Valve at Well 9 in March 2015.

Booster Pumps – No Report.

Water Quality – No Report.

Reservoirs/Booster Stations – Grading for installation of storage bin at Edmund #1 for CV Ready.

Field Maintenance and Operations update for February 18 - 27, 2015

Water lateral leaks & repairs

- 2841 Stevens
- 2941 Sycamore
- 2246 Waltonia
- 2917 Highridge
- 3903 Ocean View
- 2514 Mary
- 5120 La Crescenta
- 3053 Los Olivos
- 3040 Los Olivos

Water Main Leaks – No Report.

Fire Hydrant Replacement – No Report.

Sewer Maintenance – 5100 Block of Pennsylvania. 3000 Blocks of Parham, Daver, and Henrietta. 3000 Blocks of Gertrude and Frances. 3000 and 3100 Blocks of Brookhill and Orange.

PROGRAM SPECIALIST – No Report.

INFORMATION TECHNOLOGY – Mr. Hass reported that they have been doing stress testing for the last two week on system redundancy on IT and industrial IT feels that we are safe. We are gathering momentum with external users for payments and billing. There was some unscheduled testing today, we had a power outage and the auto system switch turned on the emergency generator, and with a full load can run for 4 to 5 days without refueling. We have a new power management system and can see equipment running remotely.

ATTORNEY – Mr. Bunn reported on the LA Times article regarding the San Juan Capistrano lawsuit against tiered water rates. When the trial court decided this case it validated Capistrano's tiered rates, and there is a difference of opinion that some people feel that it would invalidate all tiered rates and some thought it was just for the San Juan Capistrano rates. It is not the trial court that decides this, it is the appellate court. This matter was appealed and argued to the court of appeals on January 21st and in October the court of appeal sent out a notice that said we recognize the significance of public importance of this case and sighted newspaper articles about how important it was and how water conservation vs Proposition 218. The decision is expected at any time and if they don't have a decision within 90 days of the oral argument, the judge's paychecks can be withheld so by April there will be a decision made. Whatever the decision, it will most likely go to the Supreme Court. Mr. Bunn also reported that after 15 ½ years of litigation, a settlement agreement is being filed with the court in the Antelope Valley Ground Water adjudication case tomorrow. It hasn't been approved yet, however, they should have the approval by August 4, 2015.

REPORTS OF COMMITTEES

Engineering Committee – Director Putnam reported that the Committee will meet on March 20, 2015 at 8:00 a.m.

Finance Committee – Director Bodnar reported that the Committee met on February 26, 2015 at 4:40 p.m. and discussed the preliminary 2015/16 water and wastewater budgets, and that the Committee will meet on March 27, 2015 at 8:30 a.m.

Employee Relations Committee – Director Erickson reported that the Committee met on February 24, 2015 at 1:30 p.m. and went into a closed session with no reportable action.

Policy Committee – Director Tejeda reported that the Committee had not met; however a meeting will be scheduled as needed.

Community Relations/Water Conservation Committee – Director Claessens reported that the Committee had not met; however a meeting will be scheduled as needed.

Emergency Planning Committee – Director Bodnar reported that the Committee had no met; however a meeting will be scheduled as needed.

DIRECTORS ORAL REPORTS

Director Claessens reported that he attended the CVTC meeting on February 19th and there were two issues discussed. One was the high speed rail coming into Shadow Hills and Lakeview Terrace, and the second one is the extension of the 710 freeway.

Director Erickson reported that he also attended the CVTC meeting on February 19th. The La Canada Water Committee will be meeting next week on March 12, 2015. While he was looking

at the budget he noticed that there is nothing regarding seismic valves for the Reservoirs, and feels that it needs to be put into the budget. Also, he received a call from the American Legions and they are having a car show at Crescenta Valley Park, and wanted to know if the District wants to set up a booth. He gave the information to Christy Scott to check into.

Director Putnam – No Report

Director Tejeda – No Report

Director Bodnar reported that he attended the CVTC meeting on February 19th. He reported on some good news regarding that the State water allocation has gone from 15% to 20% and MWD will make a decision on the allocation issue in April. He will be attending the ACWA Legislation Symposium tomorrow and lastly he wanted to remind the Directors and staff to file the Form 700. The deadline is April 1, 2015.

CLOSED SESSION: No reportable action.

ADJOURNMENT

There being no other business to come before the Board at 9:38 p.m., it was moved by Director Tejeda and seconded by Director Bodnar that the meeting be adjourned to March 17, 2015 at 7:00 p.m.

APPROVED

Kenneth R. Putnam
President

Ron L. Mitchell
Secretary-Treasurer

CASH DISBURSEMENTS LIST

FEBRUARY 2015



<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
0	2/23	Southern California Edison Co.	Power purchased 02/2015	20,590.74	275.13
31307	2/3	ACV Systems, LLC	Well 10 - Install flow control valve	950.45	
31308	2/3	AGM Electronics, Inc	Data Handler	598.61	
31309	2/3	Allen Industrial Supply, Inc.	Hex nuts for meters	89.60	
31310	2/3	Alliance Water Efficiency	(5) Handbook for water use and conservation	90.00	30.00
31311	2/3	Aqua - Metric Sales, Co.	(2) - 1-1/2" Omni C2 octave water meters	2,926.52	
31312	2/3	Associated Soils Engineering	M-943 Professional services - Ocean View Res. overflow	4,492.50	
31313	2/3	AVAYA Financial Services	Phone lease	380.70	126.88
31314	2/3	BC Laboratories, Inc	Water analysis	2,484.40	
31315	2/3	BC Laboratories, Inc	Water analysis	2,797.60	
31316	2/3	Belzona California Inc.	Epoxy material to repair concrete vaults and metal strips	505.84	505.84
31317	2/3	Best Drilling & Pump, Inc.	E-934 Well rehabilitation	15,993.25	
31318	2/3	California Truck Equipment Company	2 Front bumper cone holders for Unit #46	245.25	81.75
31319	2/3	California Water Environment	Membership renewal Morgen DuRose	117.00	39.00
31320	2/3	Cargill, Inc - Salt Division	24.70 tons salt	3,054.17	
31321	2/3	Centro Print Solutions	Office supplies	31.40	31.39
31322	2/3	Certified Laboratories	Premalube grease for tractors	410.05	410.04
31323	2/3	Charter Communications	Fiber Optic, cable, internet for Office, Glenwwod & Mills	3,990.65	1,330.19
31324	2/3	Kelly Choi	Refund Check	17.91	
31325	2/3	Choice Pest Control	Monthly service various sites	194.75	90.25
31326	2/3	Colonial Life & Accidents Ins.	Employee paid insurance	183.61	
31327	2/3	Complete Mobile Detailing	Wash & clean all the service trucks	423.75	141.25
31328	2/3	Conservation Warehouse	1,000 Metal water miser hose nozzles	4,320.08	
31329	2/3	Corporate Telecomm	Monthly service charges for land line phones	175.54	58.49
31330	2/3	Sharon and Harry Crystal	Turf rebate	3,600.00	
31331	2/3	Dell Marketing L.P.	Lease contract	415.34	138.44
31332	2/3	Eurofins Eaton Analytical Inc.	Water analysis	435.00	

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
31333	2/3	First Choice	Coffee service	115.44	115.43
31334	2/3	Galpin Raymer Operations	New unit #47 - 2015 F550 XL small dump truck	42,602.58	
31335	2/3	Grainger	Hand soap	111.70	111.69
31336	2/3	Great America Leasing Corp.	Kyocera Copier lease	434.91	434.91
31337	2/3	Hach Company	Lab supplies	157.60	
31338	2/3	Harrington Ind Plastics LLC	2 - pH sensors	513.24	
31339	2/3	HD Supply Waterworks Ltd	Service clamps & silent check valve for Well #10	1,173.28	
31340	2/3	Hun Suk Jung	Refund Check	47.86	
31341	2/3	Barb & Tom Karp	Turf rebate	1,800.00	
31342	2/3	Javad Keshavarz	Refund Check		7.88
31343	2/3	Nina Kuhn	Turf rebate	4,400.00	
31344	2/3	L.A. County Dept. Public Works	Excavation permits	2,987.00	
31345	2/3	LA Dept Water and Power	Power purchased	46.11	
31346	2/3	Misuk Lee	Refund Check	33.90	
31347	2/3	Misuk Lee	Refund Check	66.10	
31348	2/3	Lincoln Financial Group	Long term disability and dental insurance for 02/2015	3,061.15	2,040.77
31349	2/3	Lock-Up Inc.	Repairs to Gate at Glenwood	281.25	93.75
31350	2/3	Mathis Group	Consulting service for General Manager	5,043.75	1,681.25
31351	2/3	New Image Landscaping & Tree Service, Inc.	Monthly Maintenance	1,002.50	177.50
31352	2/3	New Pig Corp.	Square absorbent pads for sewer operations	207.48	69.15
31353	2/3	O'Reilly Auto Parts	Misc parts 01/2015	165.95	55.32
31354	2/3	Office Depot - Credit Plan	Misc office supplies 01/2015	186.79	186.79
31355	2/3	Orchard Supply Hardware	Misc hardware 10/2014 to 11/2014	459.74	357.25
31356	2/3	Paveco Construction Inc	List 2014-15-10 - various paving locations	11,296.35	
31357	2/3	Rassac Air Systems	Repairs to thermostat at Mills house	202.50	67.50
31358	2/3	Red Wing Shoe Store	Safety boots for Tyler Smith	13.90	4.64
31359	2/3	Riegel Property Management	Refund Check	1.65	
31360	2/3	Sawyer Petroleum	640 gal.clear diesel/Glenwood	1,254.50	418.16
31361	2/3	Scotty's & Sons, Inc	Parts for repair of Sawzall	13.47	13.47
31362	2/3	Ron Smith	Refund Check	19.82	
31363	2/3	So Cal Tractor Sales, Inc	Parts for unit #21	131.83	43.94
31364	2/3	Star Ford	Unit #27 -Oil change and replace filters	125.45	41.82
31365	2/3	Steven Engineering Inc.	Yagi Ant/900mhz; radios; ups batteries, power supplies	7,226.21	

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
31366	2/3	Still Mor Automotive Inc.	Unit #14 -Rear shocks,oil change, new door handle, differential pinion seal	372.70	124.24
31367	2/3	Sully-Miller Contracting Co.	5.04 tons cold patch	502.15	
31368	2/3	Systemated Business Products	Letter head stationary	147.40	147.39
31369	2/3	The Gas Company	Gas purchased 01/2015	172.79	57.60
31370	2/3	Trench Shoring Company	M-943 -Steel plate rental for Ocean View overflow	620.00	
31371	2/3	Tri County Pump Company, Inc.	E-941 Eagle Canyon Booster replacement	32,048.25	
31372	2/3	Univar USA Inc	725 gal.bleach/Glenwood	1,246.71	
31373	2/3	UPS	Shipping Charges	21.51	21.50
31374	2/3	Vision Service Plan Co-(CA)	Group vision for 02/2015	264.55	176.36
31375	2/3	Waste Management - Sun Valley	Disposal service Office & Plant	641.48	213.84
31376	2/3	Western Water Works	(4) Air relief valves & (24) repair clamps	1,093.92	
31377	2/6	Total Graphics	CVWD labels and car stickers	112.50	37.50
31378	2/9	Larry Byers	Dental Reimbursement	47.04	31.36
31379	2/9	Ron Mitchell	Health Reimbursement	285.20	190.13
31380	2/9	Lynne Sovich	Health Reimbursement	256.35	170.90
31381	2/17	ACV Systems, LLC	Paschall booster #16 - Replace solenoid valve	2,253.00	
31382	2/17	ACWA/JPIA	Health Insurance 03/2015	32,332.91	21,555.27
31383	2/17	ADS, LLC	Monthly monitoring		1,015.00
31384	2/17	Aflac	Employee paid insurance	1,363.73	
31385	2/17	Airgas USA, LLC	Monthly cylinder rental	233.68	197.04
31386	2/17	AMEC Foster Wheeler Environment & Infrastructure	M-903A Stormwater recharge at CV Park	540.00	
31388	2/17	Ameripride Uniform Services, Inc	Uniform rentals	493.27	164.42
31389	2/17	Anawalt Lumber & Materials Co.	Misc hardware 01/2015	251.30	
31390	2/17	ARC	Monthly MPS billing	559.11	186.36
31391	2/17	Arrowhead Mountain Spring Wate	Distilled water	48.90	
31392	2/17	Associated Soils Engineering	E-940 Rockhaven well preliminary soils report	4,720.00	
31393	2/17	AT&T	PRI Usage	2,619.25	908.98
31394	2/17	Backflow Apparatus & Valve Co.	FEBCO repair kit for backflow	34.47	
31395	2/17	BC Laboratories, Inc	Water analysis	3,221.65	
31396	2/17	BC Laboratories, Inc	Water analysis	4,599.50	
31397	2/17	BC Laboratories, Inc	Water analysis	1,331.25	
31398	2/17	Best Drilling & Pump, Inc.	E-934 Well #11 rehabilitation	26,448.00	
31399	2/17	Bonnors Equipment Rentals	Rentals for retirement lunch	164.91	54.97

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
31400	2/17	CalPers	Employee Contributions	24,276.83	15,553.60
31401	2/17	Cannon	E-940 Rockhaven well design	20,590.39	
31402	2/17	Capital One Commercial	40 - folding chairs	386.57	386.56
31403	2/17	Cargill, Inc - Salt Division	24.71 tons of salt for nitrate plant	3,055.07	
31404	2/17	Charter Communications	Cable for Mills House	143.78	47.92
31405	2/17	City of Glendale - Permits	Excavation Permits	2,014.82	
31406	2/17	City of Glendale Water & Power	Power purchased	28,661.30	19.66
31407	2/17	Civiltec Engineering Inc	M-943 Over flow at Ocean View Reservoir- design	3,067.50	
31408	2/17	Contractor Compliance & Mont Inc.	E-733CS Chlorination Station Oean View Reservoir	1,563.75	
31409	2/17	Corporate Telecomm	Remote consulting and support	177.20	59.05
31410	2/17	County Sanitation District #2	Inert load 01/2015	400.82	
31411	2/17	Dataprose LLC	Printing/Postage Controls 1-4	1,590.88	1,590.87
31412	2/17	Do-it Center	Misc hardware 01/2015	530.42	145.41
31413	2/17	Downey Brand Attorneys LLP	ULARA Legal Expense	5,042.29	
31414	2/17	Eurofins Eaton Analytical Inc.	Water analysis	784.00	
31415	2/17	Foothill Car Wash, Lube & Oil	Oil change Units #36, #33, #1, #27, and #6	218.91	294.04
31416	2/17	Foothill Municipal Water	Water delivery 01/2015	130,354.03	
31417	2/17	Foothill Trophy & Engraving	Plaque for Dennis Erdman Retirement	159.42	53.13
31418	2/17	G.M. Sager Construction Co. Inc	M-943 Ocean View pavement repair	70,267.00	
31419	2/17	Galpin Raymer Operations	Unit #2 -Oil change and new fuel filter	1,440.92	480.30
31420	2/17	Grainger	Eyecare products	169.17	169.17
31421	2/17	Home Depot Credit Services	Misc hardware 01/2015	780.61	192.80
31422	2/17	J&R Concrete Products, Inc	Polymer cover and meter reading lid	156.95	
31423	2/17	Joseph G. Pollard Co., Inc	Dechlorination diffuser	892.81	
31424	2/17	KR Nida Companies	Unit #46 - Install radio	1,244.10	414.70
31425	2/17	LA County Tax Collector	Property Tax 2nd payment	6,150.82	2,050.25
31426	2/17	Lagerlof, Senecal, Gosney & Kr	Legal services 01/2015	9,739.45	1,250.00
31427	2/17	Lock-Up Inc.	Maintenance & Repairs to safety gate at Mills	318.75	106.25
31428	2/17	Mathis Group	Consulting Services Completion Recruitment of GM	3,543.75	1,181.25
31429	2/17	Dennis A. Maxwell, Jr	Reimbursement for work pants	116.21	38.73
31430	2/17	Neopost USA, Inc	Annual contract for postage machine	258.00	258.00
31431	2/17	Northern Safety Co., Inc	Safety equipment	516.90	172.29
31432	2/17	Paper Cuts, Inc	Paper shredding	26.88	26.87
31433	2/17	Paveco Construction Inc	E-934 - pavement repairs 1402 Val Verde Ct.	11,900.00	

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
31434	2/17	Priority Mailing Systems, LLC	New ink cartridge for postage machine	141.54	141.54
31435	2/17	Ramco	Crushed misc. base	1,827.74	
31436	2/17	David Rawlings	Reimbursement for safety boots	122.61	40.86
31437	2/17	Umaa Rebbapragada	Turf rebate	8,800.00	
31438	2/17	Ryan Herco Flow Solutions Boston	Rebuild kit for chlorine injector	183.68	
31439	2/17	Scotty's & Sons, Inc	Mason hammer, pick hammer, ratchet set, and tape	149.01	148.94
31440	2/17	Shell	Gas Purchased	1,112.71	370.90
31441	2/17	Carolyn Small	Turf rebate	4,800.00	
31442	2/17	So Cal Tractor Sales, Inc	Flip pins for Unit #15	3.64	1.21
31443	2/17	Tina Sparks	Refund Check	33.51	
31444	2/17	Star Brite Bldg. Maintenance Inc	Janitorial Service	618.75	206.25
31445	2/17	Sully-Miller Contracting Co.	5.04 tons of cold patch	502.15	
31446	2/17	The Gas Company	Gas purchased at Mills house and Plant	219.78	73.27
31447	2/17	Toro Enterprises, Inc.	Flood meter refund	651.26	
31448	2/17	Trench Shoring Company	Purchase an 8' x 10' trench plate	1,785.91	
31449	2/17	Tri-Xecutex Corp	Repair motion detector GM office	106.35	35.45
31450	2/17	Underground Service Alert/SC	Underground notification 01/2015	213.75	71.25
31451	2/17	United Traffic Service & Supply	Safety cones	161.38	53.79
31452	2/17	Univar USA Inc	732 gal.bleach/Glenwood	2,625.80	
31453	2/17	UPS	Shipping Charges	16.73	16.72
31454	2/17	Vulcan Materials Company	123.99 tons crushed base	2,808.35	
31455	2/17	Wells Fargo Card Services	Erdman: Board meeting treats	15.36	5.12
31456	2/17	Wells Fargo Card Services	Gould: Engineering supplies; forklift cert. course; AWWA Operators Symposium (4 employees); construction book	1,122.07	411.58
31457	2/17	Wells Fargo Card Services	Hass: Monthly recurring charges; cellphone hardware; misc. hardware & keys for Office and Mills house	470.60	204.23
31458	2/17	Wells Fargo Card Services	Mitchell: Water heater for Office; lunch for Board for GM interviews	306.16	102.06
31459	2/17	Wells Fargo Card Services	Scott: UPS & charger for cellphone; items for D. Erdman retirement lunch	1,115.48	371.83
31460	2/17	West Coast Pipe	8"steel pipe for E-947	39,676.00	
31461	2/17	Western Water Works	Gate valves; brass nipples; couplings; adapters	5,809.00	
31462	2/19	Robert Brkich Const. Corp	E-921 - 8 inch main Santa Carlotta/Paraiso Way	59,065.89	
31463	2/23	Ron Mitchell	Dental Reimbursement	422.40	281.60

<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
31464	2/23	Christy Joana Scott	Health Reimbursement	91.74	61.16
31465	2/23	Lynne Sovich	Health Reimbursement	343.52	229.01
31466	2/25	AT&T Mobility	Cell phone service	2,205.18	735.04
31467	2/25	Roxana Brizuela	Refund Check	20.16	
31468	2/25	California Water Environment	Membership renewal Jim Halaszynski	117.00	39.00
31469	2/25	California Water Environment	Membership renewal Jaysen Ortega	59.25	19.75
31470	2/25	Scarlet Chachi	Refund Check	31.39	
31471	2/25	Marc Plesh & Donna Daurio	Refund Check	9.82	
31472	2/25	Junwoo Kim	Refund Check	134.90	
31473	2/25	Pam Leddy	Reimbursement on supplies for Dennis E. retirement lunch	161.68	53.89
31474	2/25	Aleksandra Manos	Refund Check	38.30	
31475	2/25	Matt-Chlor Inc	1" & 3/4" chlorine injectors	680.44	
31476	2/25	Mimecast North America, Inc.	Email security	150.00	50.00
31477	2/25	Julie Patten	Refund Check	243.16	
31478	2/25	Kevin Saks	Refund Check	55.34	
31479	2/25	Web Advanced	Website mirgration and editor implementation	1,620.00	540.00
Subtotals				<u>\$ 745,135.99</u>	<u>\$ 63,188.03</u>
Total Disbursements for February 2015				<u><u>\$ 808,324.02</u></u>	

PAYROLL REPORT
February-15

Directors	\$ 2,700
Office Regular Payroll	\$ 125,533
Office OT	\$ 338
Plant Regular Payroll	\$ 101,252
Plant OT and Standby	\$ 11,794
Employer Payroll Taxes	\$ 18,921
Payroll Service Charges	\$ 420
Total	<u>\$ 260,957</u>

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 1

March 17, 2015

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: **Award of Contract for Procurement of Equipment for CVWD's Well 16 and Related Facilities, Project E-940**

Discussion Item:

1. **Award of Contracts for the Procurement of Equipment for CVWD's Well 16 and Related Facilities, Project E-940** – Consideration and motion to authorize the General Manager to award contracts for the procurement of equipment for CVWD's Well 16 and related facilities with the following contractors:
 - a. Award a contract to Best Drilling and Pump, Inc. for manufacturing, delivery, and installation of a new submersible pump and motor assembly at a cost of \$39,500.
 - b. Award a contract to RollApart Buildings, Inc. for manufacturing, delivery, and installation of the new pump building for Well 16 at a cost of \$86,132.
 - c. Award a contract to Royal Wholesale Electric for manufacturing and delivery of a new electrical motor control center (MCC) and electrical switchboard for Well 16 at a cost of \$101,998.

BACKGROUND:

The project schedule for Well 16 was accelerated to complete the project by August 2015, which was discussed at the February 17, 2015 Board meeting.

Staff discussed major items such as the motor control center, the pre-fabricated building, and the pump assembly, would need to be pre-purchased by the District to reduce the long lead time for delivery. Pre-purchasing the equipment and building will necessitate preparing separate Requests for Quotes (RFQs), which will include the requirements for each item and a time limit to deliver each item. Staff, with the assistance of Cannon prepared RFQs which were sent to vendors/contractors who provide these services. Staff indicated that a preliminary cost estimate for the electrical equipment, pump, and building will be approximately \$220,000.

DISCUSSION:

Staff and Cannon prepared RFQ's, which were sent out on March 5, 2015 and quotes were returned on March 12, 2015. The following discussion summaries each RFQ sent out and the vendor or contractor who responded.

- A. **New Submersible Pump and Motor Assembly** – A RFQ for a new 450 gpm submersible pump with a 60 Hp motor, 340 feet of column pipe and appurtenances was sent to six (6) pump contractors with a cost estimate of \$55,000. The following table shows the bid breakdown:

	<u>Bidder</u>	<u>Total Bid Amount</u>
Low	Best Drilling and Pump, Inc.	\$39,500.00
2	Tri County Pump Company, Inc.	\$48,386.00
3	Bakersfield Well and Pump Company	Declined to Bid
4	General Pump Company, Inc.	Did Not Submit Bid
5	Layne Christensen, Inc.	Did Not Submit Bid
6	Weber Water Resources	Did Not Submit Bid

Best Drilling and Pump, Inc. of Bloomington, CA, provided the apparent lowest responsible quote for the submersible pump and motor assembly. The engineer's estimate was \$55,000 and the low bid was 28.2% lower than the engineer's estimate. Staff has worked with Best Drilling in the past on a number of well rehabilitation projects and they have proved to be a good contractor to work with. The lead time for shop drawing review, fabrication of the pump and appurtenances is six (6) weeks.

- B. New Pump Building – A RFQ was sent for a new pre-fabricated building which will house the well pump and the electrical motor control system and will be manufactured off-site and delivered to the site for installation. The RFQ was sent to RollApart, Inc., which has been working with Cannon on the design of the pre-fabricated building. The building will include a feature which will have a moving portion of the building that rolls over the fixed portion providing full access on three sides.

RollApart provide a quote of \$86,132.00, which includes fabrication to meet the project specifications and City of Glendale's requirements, delivery, and installation at the site. The engineer's estimate was \$70,000 and the quote was 19% higher than the engineer's estimate. The lead time for shop drawing review, fabrication, and delivery of the pre-fabricated building to the site is ten (10) weeks.

- C. New Electrical Motor Control Center (MCC) and Switchboard – A RFQ was sent for a new MCC and switchboard which will include a motor starter, a variable frequency drive, programmable controllers, and connection to the new power source (GWP) for the new well. CVWD has been standardizing its MCC's with Allen-Bradley's Intellicenter MCC which are pre-wired, and allows for easier maintenance and has additional safety equipment. A RFQ was sent to Royal Wholesale Electric, which is a distributor of Allen-Bradley equipment in Southern California and has been working with Cannon on the design of the MCC.

Royal Wholesale Electric provided a quote of \$101,998.00, which includes fabrication to meet the project specifications and City of Glendale's requirements, start-up/training, and delivery to the site. The on-site contractor for the project will be required to install the MCC. The engineer's estimate was \$95,000 and the quote was 7% higher than the engineer's estimate. . The lead time for shop drawing review, fabrication, and delivery to the site is 14 - 16 weeks.

Summary:

Staff reviewed each of the quotes with Cannon for conformance to the RFQ and the costs. The overall cost estimate for the equipment was \$220,000 and the total amount from the quotes was \$227,630, which was an overall 3.5% higher than the engineer's estimate. Staff believes that the higher costs are due to the accelerated schedule and more detailed design information which were not available during the grant planning process.

RECOMMENDATION:

It is staff's recommendation to award a contract to Best Drilling and Pump, Inc., RollApart, Inc., and Royal Wholesale Electric for the quotes as shown above. Staff will contact each vendor/contractor above to coordinate agreements, insurance documents, and to start the shop drawing process, so as not to delay the project.

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

There are sufficient funds available in the following accounts for the project:

Account Description	Grant Cost Breakdown
Proposition 84, Drought Relief Grant Request for Construction	\$1,020,000
<i>Amount to be reimbursed from Grant (75%)</i>	<i>\$765,000</i>
<i>CVWD Costs (12.5%)</i>	<i>\$127,500</i>
<i>GWP Cost (12.5%)</i>	<i>\$127,500</i>
Total of Quotes for Procurement	<\$227,360>
Amount Remaining for Pipeline & On-site Work	\$792,370

Prepared by:



David S. Gould, P.E.
District Engineer

Submitted by:

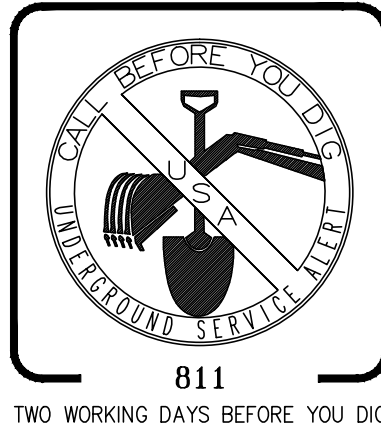
Dennis Erdman
General Manager

Attachment:

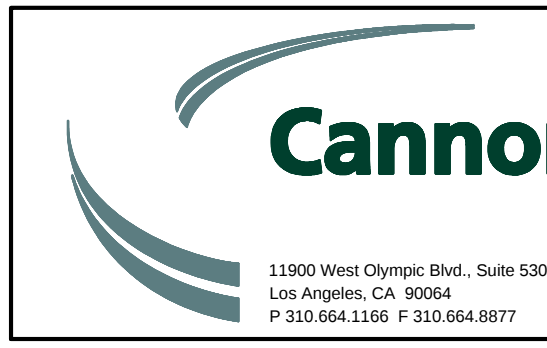
1. Well 16 – Preliminary Site Layout
2. Well 16 – Well Profile
3. Well 16 – Building Plan
4. Well 16 – Electrical Plan

\\fscvwd\data\management\board meeting staff reports\2015\03-17-15 board memo - e-940 well 16 - ac equipment.docx

F:\proj\2014\141004\3 Project Design\Civil\Construction Drawings\CEI141004GP0001.dwg 3-09-15 03:46:11 PM MiguelC



50% SUBMITTAL



CA. PROJ. NO.
141004

DISCLAIMER
Approval by C.V.W.D. does not constitute a representation as to the accuracy of design or the existence and location of underground utilities, structures, and conditions within the limits of this project.

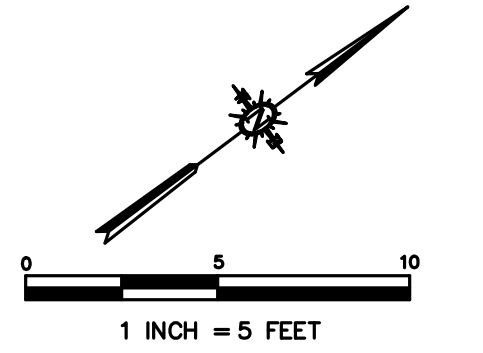
SITE, GRADING, AND PAVING PLAN
SCALE: HORIZ 1"=5'

REV.	DATE	REVISION	REV. BY	CHK. BY	APP'D

SCALE:	AS SHOWN	DATE
DRAWN BY:	MAC/SM	1/06/15
CHECKED BY:	JP	1/06/15
APPROVED:	GDR	1/06/15
AS BUILT:		

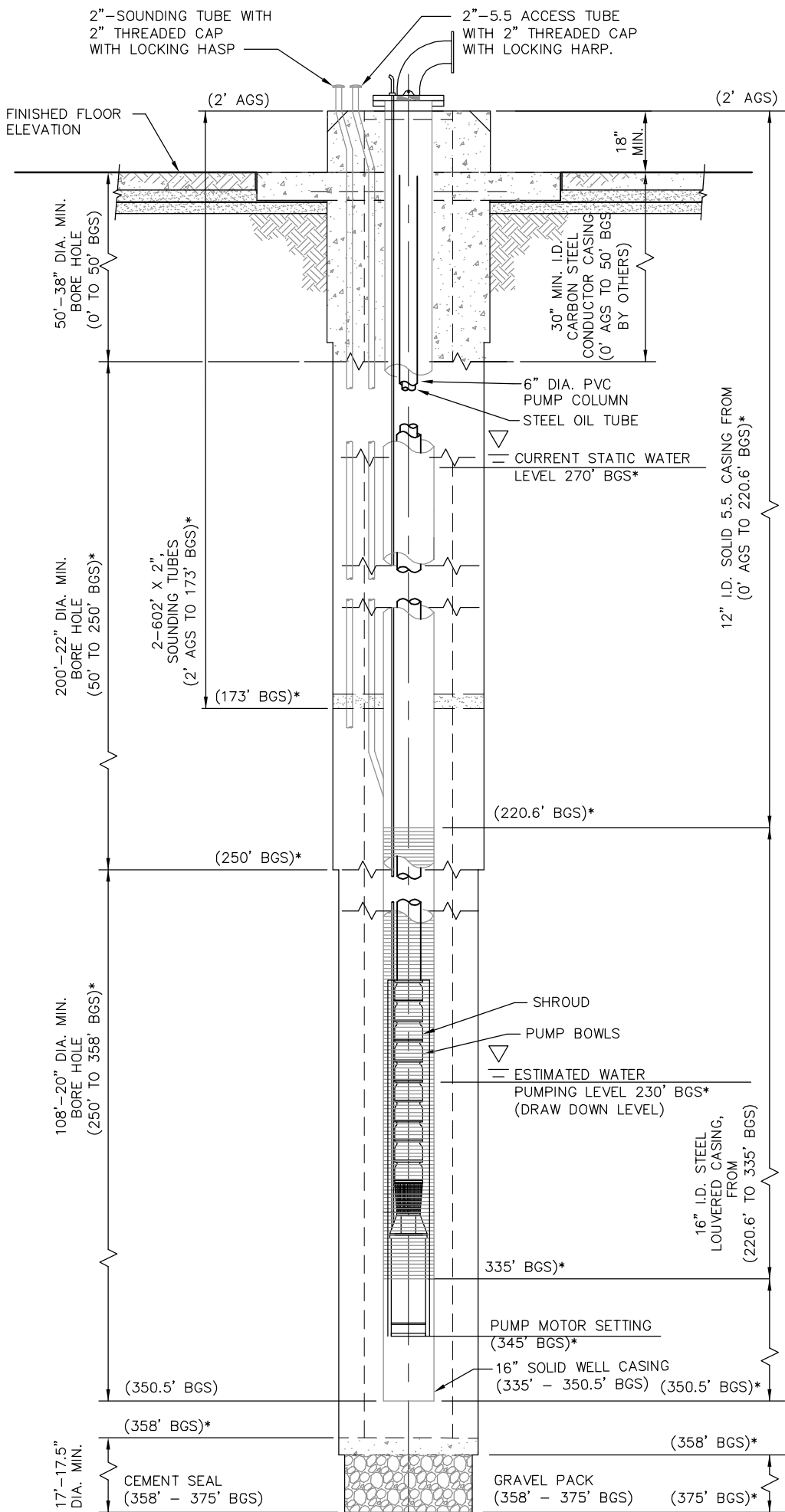
CRESCENTA VALLEY WATER DISTRICT **GWWD**
WELL NO. 16
GRADING AND PAVING PLAN

L.A.C.D.P.W. PERMIT NO.	
SHT. 4	OF 11 SHTS.
JOB NO. E-940	FILE NO.



CONSTRUCTION NOTES

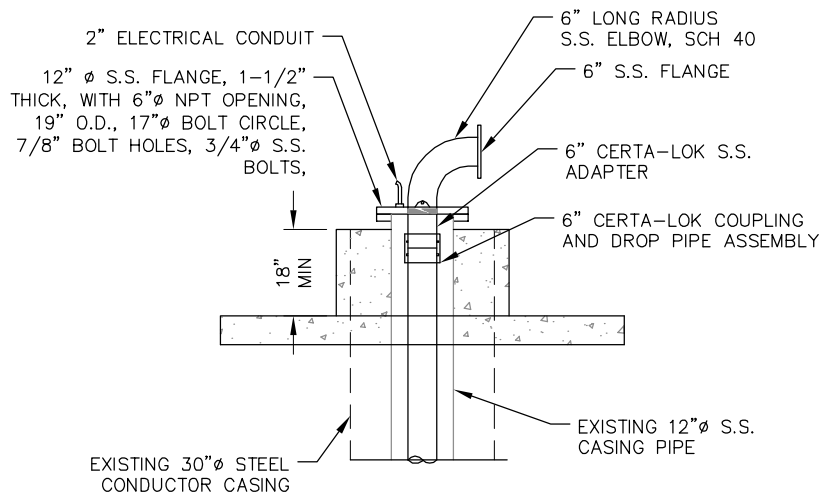
- INSTALL CLASS C ASPHALT CONCRETE. THE ASPHALT CEMENT SHALL CONFORM TO PG 70-10 FOR PERFORMANCE GRADE. INSTALL 3" ASPHALT CONCRETE, OVER 8" CLASS 2 AGG. BASE. THE BASE MATERIAL SHALL CONFORM TO REQUIREMENTS FOR A CLASS 2 AGGREGATE BASE (AB) OR EQUIVALENT (SUCH AS CRUSHED MISCELLANEOUS BASE - CMB) AND SHOULD BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC, LATEST EDITION). ASPHALTIC MATERIALS SHOULD CONFORM TO SECTION 203-1, "PAVING ASPHALT," AND SHOULD BE PLACED IN ACCORDANCE WITH SECTION 302-5, "ASPHALT CONCRETE PAVEMENT," OF THE SSPWC. A GEOTECHNICAL ENGINEER SHALL APPROVE MATERIALS PRIOR TO INSTALLATION.
- PROTECT IN PLACE EXISTING CONCRETE BLOCK WALL AND OR FENCE.
- MATCH PAVING FINISHED SURFACE FLUSH TO EXISTING SIDEWALK ELEVATIONS.
- BELOW GROUND WELL DISCHARGE PIPING PER PLAN AND SECTION ON SHEET 9, AND THE PROJECT SPECIFICATIONS.
- ABOVE GROUND WELL DISCHARGE PIPING PER PLAN AND SECTION ON SHEET 9, AND THE PROJECT SPECIFICATIONS.
- DRIVEWAY APPROACH PER DETAIL 1 ON SHEET 5
- INSTALL WELL PUMP AND MOTOR PER SHEET 11, Q=450 GPM, TDH=323, HP=50
- NEW ELECTRICAL CONDUITS PER SHEET XX.
- 1" COPPER PIPE FOR SERVICE FROM EXISTING 8" WATER
- 2FT WIDE, 3/4" CRUSHED ROCK, DRIVEABLE PATH
- BIO-SWALE



*ALL DESIGN SETTINGS HEREON WERE OBTAINED BY OTHERS AND ARE SUBJECT TO CHANGE BASED ON FORMATION LOG, GEOPHYSICAL LOGS, AQUIFER SAMPLES AND OTHER PERTINENT DATA OBTAINED DURING CONSTRUCTION OF THE WELL. WELL COLUMN CONSTRUCTED IN PLACE BY OTHERS.

WELL 16 PROFILE

NTS



WELL DISCHARGE HEAD

NTS

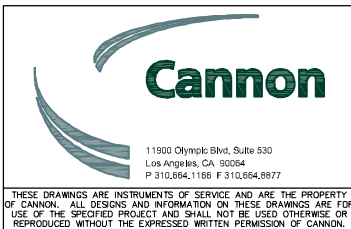


EXHIBIT C WELL 16 PROFILE		
DRAWN BY MAC	DATE 3-3-2015	CA JOB NO. 141004
CHECKED BY	SCALE NTS	SHEET 1 OF 1

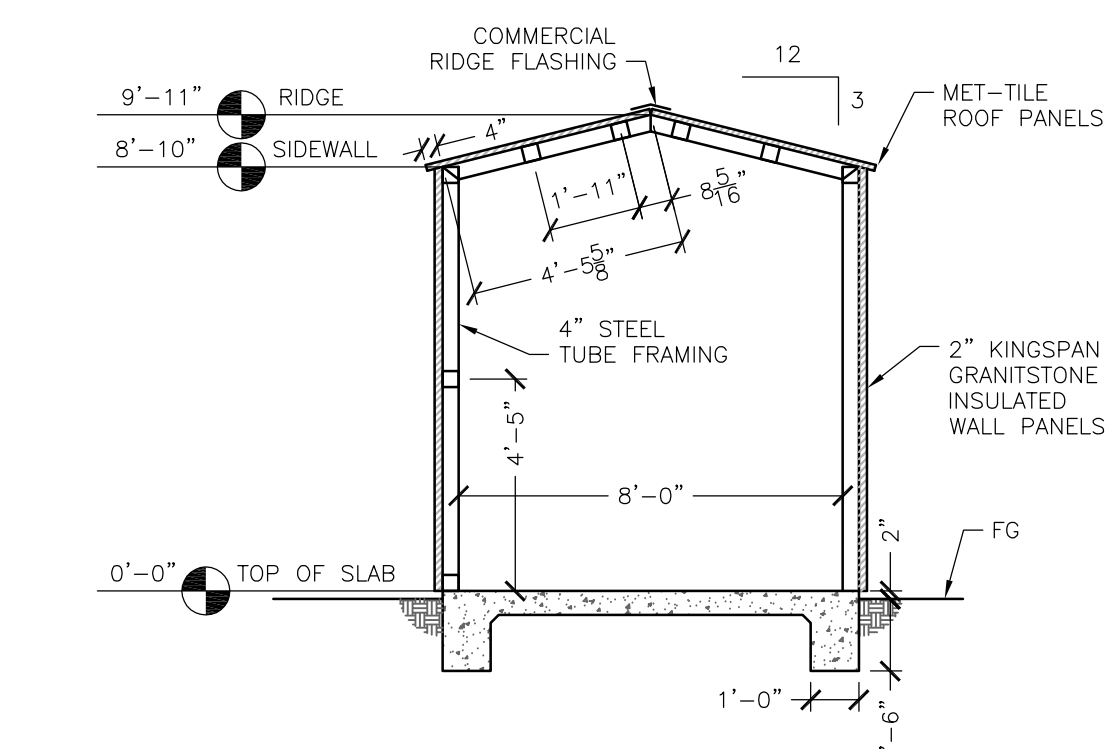


Diagram illustrating the connection between a movable section and a fixed section of a bridge girder. The diagram shows the internal components and dimensions:

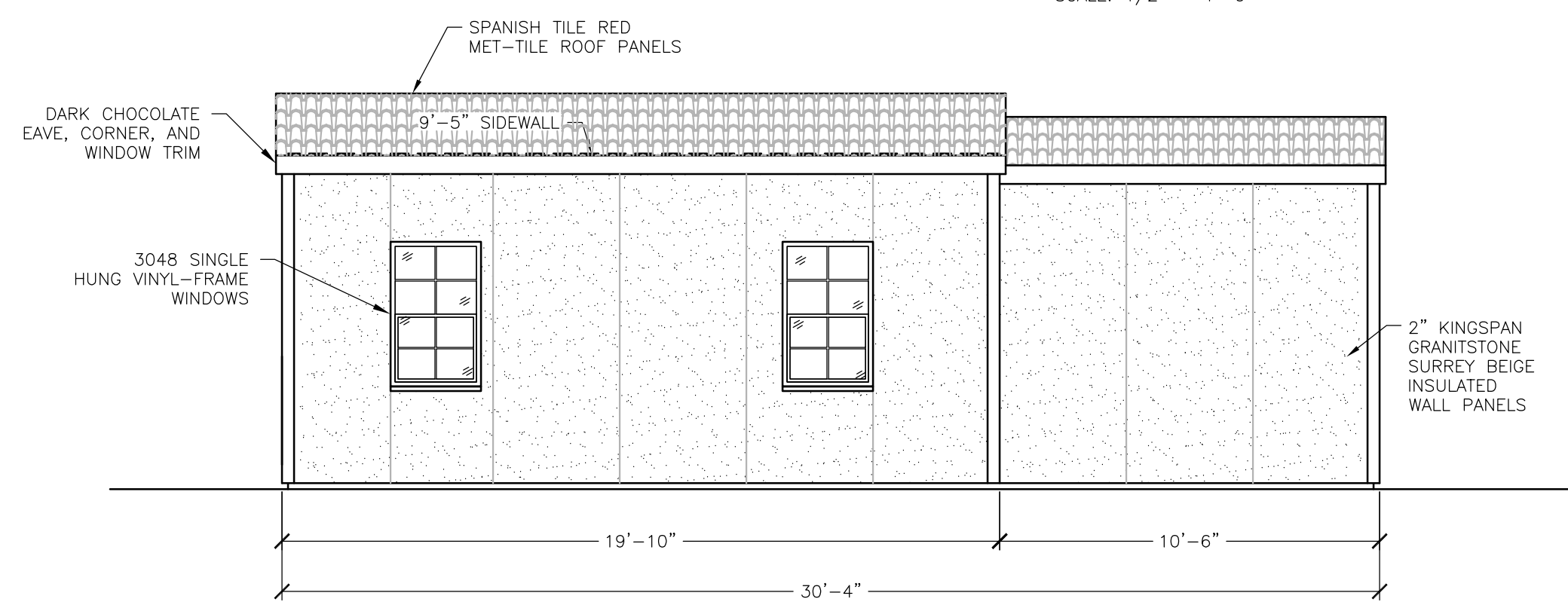
- MOVABLE SECTION** (Left side)
- FIXED SECTION** (Right side)
- 1/4 x 6 FB W/ 1" HOLE WELD TO FIXED SECTION** (Top right connection)
- 3/4" THRD. ROD & NUT WELD ROD TO MOVABLE SECTION** (Top left connection)
- HSS 4x4x1/8 OUTRIGGER FRAMING** (Middle left connection)
- 2" WALL PANEL** (Bottom left connection)
- HSS 4x4** (Bottom right connection)
- 6'-0" TO C.L.** (Dimension from fixed section to centerline)
- 4'-6" TO C.L.** (Dimension from movable section to centerline)
- 3/16"** (Gap dimension between sections)

Diagram illustrating the Roof Rake Detail. The detail shows the connection between the roof structure and the wall. Key components labeled include:

- MET-TILE ROOF PANEL
- COMMERCIAL RAKE TRIM SUPPLIED BY MET-TILE
- STEEL TUBE FRAMING
- 2" WALL PANE

ROOF RAKE DETAIL

SCALE: 1" = 1'-0"



Architectural elevation drawing of a building facade. The drawing shows a structure with a gabled roof and a side wall. The roof is labeled "SPANISH TILE RED MET-TILE ROOF PANELS". The side wall is labeled "9'-5\" SIDEWALL". The main wall is labeled "2\" KINGSPAN GRANITSTONE SURVEY BEIGE INSULATED WALL PANELS". The roofline is labeled "DARK CHOCOLATE EAVE, CORNER, AND WINDOW TRIM". The drawing includes two windows: "3048 SINGLE HUNG VINYL-FRAME WINDOWS" and "2x WINDOWSILL TYP. 4". Dimensions are provided for the main wall (10'-6\"), the side wall (19'-10\"), and the total width (30'-4\").

SPANISH TILE RED MET-TILE ROOF PANELS

9'-5" SIDEWALL

DARK CHOCOLATE EAVE, CORNER, AND WINDOW TRIM

2" KINGSPAN GRANITSTONE SURVEY BEIGE INSULATED WALL PANELS

3048 SINGLE HUNG VINYL-FRAME WINDOWS

2x WINDOWSILL TYP. 4

10'-6"

19'-10"

30'-4"

PRELIMINARY
F
NOT

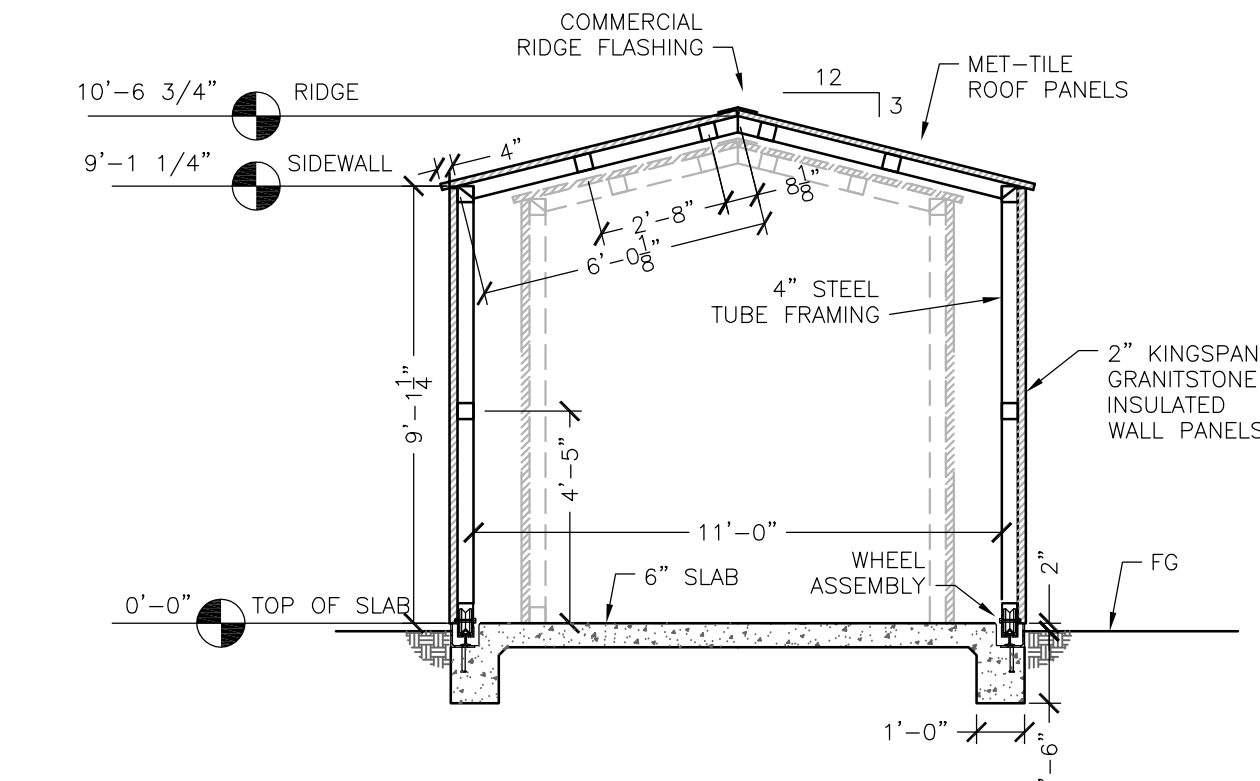


Diagram illustrating the cross-section of a roof assembly showing the transition from a fixed roof to a moveable roof.

Labels and components:

- 1-1/2" ROOFING PROFILE
- FIXED
- HSS RAFTER (TYP.)
- COMM. RAKE FLASHING
- 2" GAP
- 1/4" x 6" FB
- 2" WIDE MASTIC WEATHER SEAL
- MOVEABLE ROLLS
- ROOFING
- 3/16"

60% DESIGN
REVIEW ONLY
FOR CONSTRUCTION

AND CONSTRUCTION NOTES:
 HER DETAILS PLEASE REFER TO CIVIL PLANS.
 D DIMENSIONS ARE OUT-TO-OUT OF STEEL
 3. WALL AND ROOF SHEATHING THICKNESS IS
 OF THESE LINES.

AND FOOTING NOTES:
 IL PLANS BY OTHERS FOR GRADES, SLOPES,
 THICKNESSES, FOOTING DIMENSIONS, AND
 CING DETAILS.
 BUILDING AREA SHALL BE LEVEL WITH A
 M DEVIATION OF $\frac{1}{4}$ " IN 12" IN ANY DIRECTION.

NOTES:
 RURAL STEEL COMPONENTS SHALL RECEIVE
 STANDARD SHOP AND FIELD PAINT
 S. COLOR SHALL MATCH WALL AND ROOF
 (OR WHITE).

SHEET INDEX:

A1	ELEVATIONS, FLOOR PLAN AND SECTION
S1	PLANS AND DETAILS
S2	FRAMING ELEVATIONS AND DETAILS

DESIGN CRITERIA:
2013 CALIFORNIA BUILDING CODE
110 MPH WIND (3-SECOND GUST) EXPOSURE C
SEISMIC DESIGN CATEGORY D

NOTE:
ALL DIMENSIONS TO STEEL FRAMING
(EXCEPT ON ELEVATIONS)

2815 CUSHMAN ROAD, FALLON, NV 89406
(775)741-2826

Rev. No.	—	Rev. No.	—	Date
1				
2				
3				
4				
5				
6				

This drawing has been prepared by RL Engineering, for use by the client named in the title block for construction, operation, and maintenance of the facility named in the title block. This drawing may not be used for any other facility or purpose without the written consent of the engineer.

PRL ENGINEERING

675 Fairview Drive #223
Carson City, NV 89701
PHONE (775)884-3205 FAX (775)884-3265
E-MAIL: rob.lauder@rl-engr.com

CLIENT: ROLLAPART BUILDINGS, INC.

ELEVATIONS, FLOOR PLAN & SECTIONS

CRESCENTA VALLEY WATER DISTRICT WELL 16

JOB #	150101
DESIGN BY:	RFL
DRAWN BY:	KAL
CHECKED BY:	RFL
DATE:	2-10-15
FILE:	150101
SHEET:	A 1

PRELIMINARY – 60% DESIGN SUBMITTAL
FOR REVIEW ONLY
NOT FOR CONSTRUCTION

- (1) MAIN SWITCHBOARD "MS" SHALL BE 400A, 277/480V, 3ø, 4W, 42KAIC WITH COPPER BUSSING IN NEMA 1 ENCLOSURE, SIEMENS SB3.
- (2) MOTOR CONTROL CENTER "MCC" SHALL BE 600A, 480V, 3ø, 3W, 42KAIC WITH COPPER BUSSING IN NEMA 1 ENCLOSURE, ALLEN-BRADLEY CENTERLINE ARC SHIELD INTELLICENTER.
- (3) ALL CIRCUIT BREAKERS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 22,000A.
- (4) POWER MONITOR SHALL PROVIDE POWER AND ENERGY METERING (VOLTAGE, CURRENT, POWER, ENERGY, DEMAND, POWER FACTOR). MONITOR SHALL OPERATE AT 480V WITH 120V CONTROL POWER, ETHERNET COMMUNICATION AND CONTROL RELAY OUTPUTS. MONITOR SHALL BE ALLEN-BRADLEY POWER MONITOR 5000.
- (5) SURGE PROTECTIVE DEVICE (SPD) FOR PROTECTION OF MOTOR CONTROL CENTER. SPD SHALL BE RATED 160 kA/PHASE, THREE-PHASE DELTA @ 480 VOLTS WITH FUSED DISCONNECT, ALLEN-BRADLEY 2100-SPKB-2.
- (6) SEE SHEET X FOR CONCRETE HOUSEKEEPING PAD.
- (7) GWP SERVICE PLANNER IS CLAY CARMAN, TEL. NO. (818) 548-3921.
- (8) 3" C-3#250kcmil, 1#4 GND.
- (9) 1-1/4" C-3#3, 1#8 GND.
- (10) 2" C-3#4/0, 1#4 GND.
- (11) MAIN CIRCUIT BREAKER SHALL BE 480 VOLT, 3 POLE, TYPE JG, SIEMENS. PROVIDE FIXED PADLOCK ATTACHMENT.
- (12) SUBMAIN CIRCUIT BREAKER FOR NORMAL UTILITY POWER.
- (13) GENERATOR CIRCUIT BREAKER FOR TRANSFER OF POWER TO EMERGENCY GENERATOR.
- (14) PORTABLE GENERATOR RECEPTACLE BOX, SEE NOTE X ON SHEET X FOR DETAILS.
- (15) PROVIDE ARC FLASH ANALYSIS ON EQUIPMENT. PROVIDE WARNING LABELS ON EQUIPMENT. WARNING LABEL SHALL CONTAIN BUT NOT BE LIMITED TO THE FOLLOWING INFORMATION: FLASH HAZARD DURATION, INCIDENT ENERGY, PPE LEVEL, AND SHOCK PROTECTION BOUNDARIES.



SINGLE LINE DIAGRAM

LOAD SCHEDULE	
WELL PUMP	77 FLA
10KVA TRANSFORMER	21 FLA
25% OF LARGEST MOTOR	<u>19 FLA</u>
TOTAL	117 FLA



811

TWO WORKING DAYS BEFORE YOU DIG

50% SUBMITTAL



DISCLAIMER

Approval by C.V.W.D. does not constitute a representation as to the accuracy of design or the existence and location of underground utilities, structures, and conditions within the limits of this project.

[illegible]

SCALE: AS SHOWN	DATE
DRAWN BY: SM	1/06/15
CHECKED BY: -	1/06/15
APPROVED: DR	1/06/15
AS BUILT:	

CRESCENTA VALLEY WATER DISTRICT 

WELL 16

SINGLE LINE DIAGRAM

L.A.C.D.P.W. PERMIT NO.	
SHT. <u>X</u> OF <u>x</u> SHTS.	
JOB NO. E-940	FILE NO. EC-XX

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 2

March 17, 2015

To: Honorable President and Members of the Board of Directors

From: David S. Gould, P.E. – District Engineer

Subject: **8-Inch Water Transmission Main in La Crescenta Avenue from Hermosa Avenue to Sycamore Avenue as part of CVWD's Well 16 and Related Facilities, Project E-940**

ACTION ITEM:

1. **8-Inch Water Transmission Main in La Crescenta Avenue from Hermosa Avenue to Sycamore Avenue as part of CVWD's Well 16 and Related Facilities, Project E-940** - Consideration and motion to authorize the General Manager to advertise for bids for the construction of 1,260 lineal feet of 8-inch water transmission main in La Crescenta Avenue from Hermosa Avenue to Sycamore Avenue with an engineer's estimate for construction of \$301,300.

PROJECT DESCRIPTION:

A main element of the Well 16 project is the installation of an 8-inch water transmission main to connect the well site to the Glenwood plant for nitrate removal. The pipeline will also include a pressure sustaining valve to maintain a minimum water pressure in the line since Well 16 is located at a higher elevation than the Glenwood plant.

In addition, the plans will include installation of a 12" HDPE storm drain pipe which will connect to the existing catch basin at the intersection of La Crescenta Avenue and Hermosa Avenue. The connection to the storm drain is necessary for operation of Well 16 when water has to be diverted during start-up and maintenance of the well. Cannon will obtain the permit from Los Angeles County, which will include the MS-4 requirements for discharge.

Cannon will also obtain the NPDES permit from the Regional Water Quality Control Board relative to operational discharges from Well 16 into the storm drain and to work with staff on any NPDES requirements

DISCUSSION:

The design for the new water transmission main is complete and is ready for advertising for bids. The project scope of work includes installation of the 8-inch water main and a pressure sustaining valve in a vault to maintain pressure in the pipeline when Well 16 is out of service. In addition, a 12-inch HDPE pipe will be installed and connected to the existing catch basin at the intersection of Hermosa Avenue and La Crescenta Avenue.

The anticipated project schedule is to award a contract at the Board Meeting on April 21, 2015 and construction to begin in early May 2015. Staff anticipates construction to be completed by the middle of July 2015 with the final coordination with the Well 16 on-site contractor.

Ms. Christina Olmedo will be the project manager and Mr. Cory Whitman will provide field inspection.

Staff will be working on a public outreach program for the project. This will include sending letters within the next two weeks to the residents in the area notifying them of the upcoming project, holding a public meeting to explain the project, and sending a second letter two weeks before construction begins.

Progress reports on the project will be posted on CVWD's website for residents to check status and staff will send a press release to the local newspapers about the upcoming construction project.

The construction cost estimate for the project is \$301,300 and the entire project costs including materials, soils engineer, staff engineering and inspection, and contingencies are estimated at \$402,100.

RECOMMENDATION:

It is staff's recommendation to authorize the General Manager to advertise for bids for the project. Staff will advertise the project in the McGraw-Hill Dodge Construction News and will send out plans to selected contractors.

ENVIRONMENTAL REVIEW:

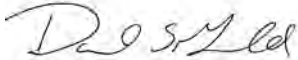
A California Environmental Quality Act (CEQA) Negative Declaration was approved for this project by the Board of Directors on June 17, 2014.

FUNDING AVAILABILITY:

There are sufficient funds available in the following account for the project:

Account Description	Grant Cost Breakdown
Proposition 84, Drought Relief Grant Request for Construction	\$1,020,000
<i>Amount to be reimbursed from Grant (75%)</i>	<i>\$765,000</i>
<i>CVWD Costs (12.5%)</i>	<i>\$127,500</i>
<i>GWP Cost (12.5%)</i>	<i>\$127,500</i>
<i>Total of Quotes for Procurement</i>	<i><\$227,360></i>
Construction Estimate for Pipeline	<301,300>
Amount Remaining for Pipeline & On-site Work	\$491,070

Prepared by:



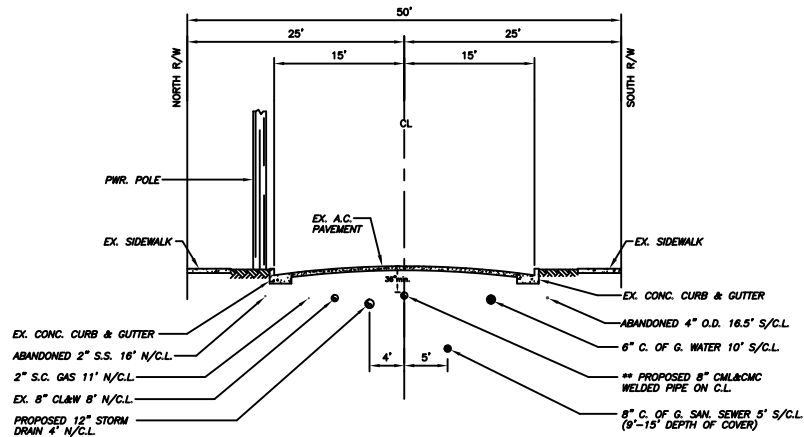
David S. Gould, P.E.
District Engineer

Submitted by:

Dennis Erdman
General Manager

Attachments:

1. E-940 – Construction Plans



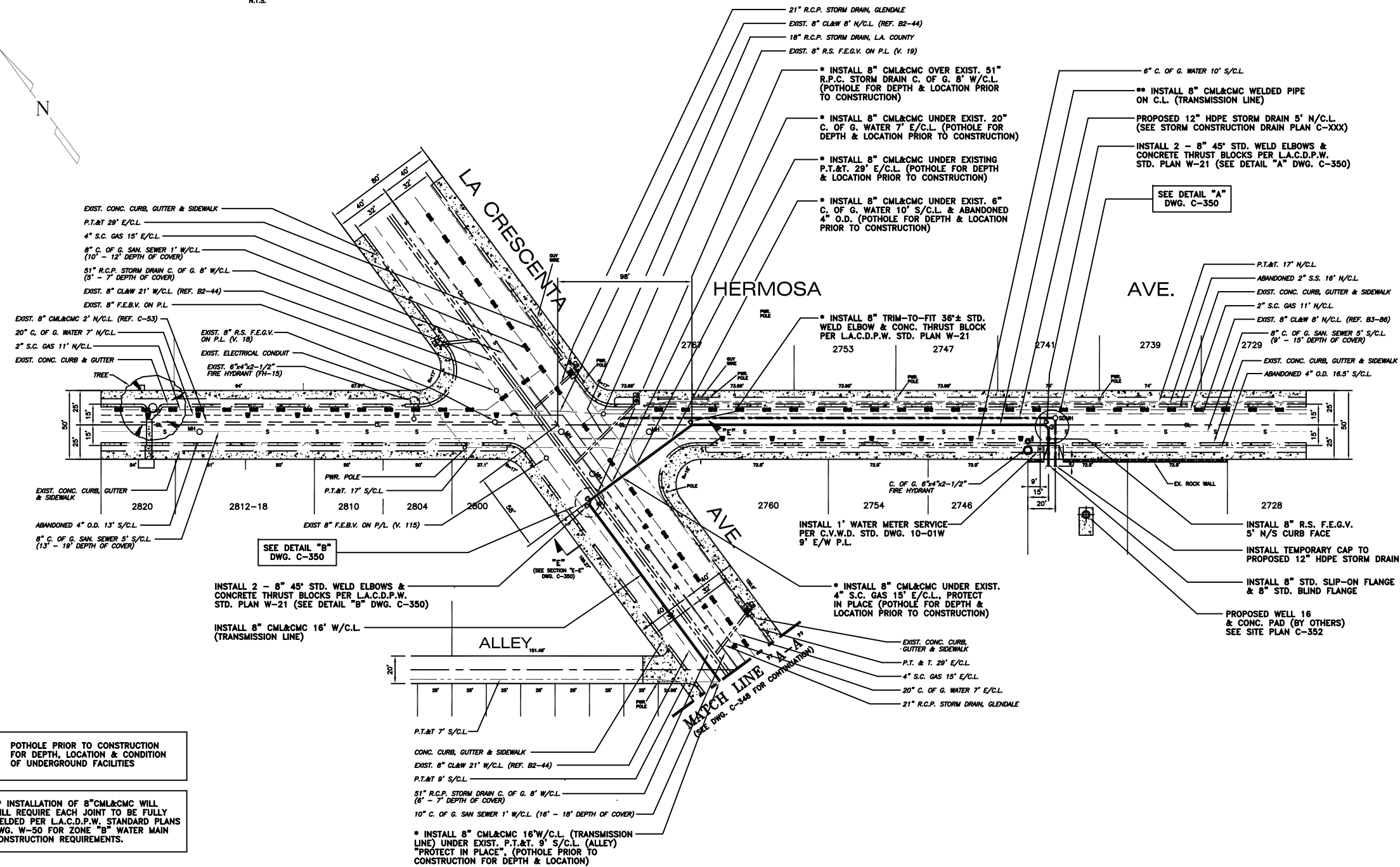
TYP. CROSS SECTION ON
HERMOSA AVE.

N.T.S.

SYMBOLS & ABBREVIATIONS	
C.V.W.D. — CRESCENTA VALLEY WATER DISTRICT	P.P. — POWER POLE
S.C. GAS — SOUTHERN CALIFORNIA GAS COMPANY	TS — TRAFFIC SIGNAL
C. OF G. — CITY OF GLENDALE	F.E. — FLANGED END
L.A. CO. — LOS ANGELES COUNTY	G.V. — GATE VALVE
L.A.C.D.P.W. — LOS ANGELES COUNTY DEPT. OF PUBLIC WORKS	R.S. — RESILIENT SEAT
PAC BELL — PACIFIC BELL	F.E.B.V. — FLANGED END BUTTERFLY VALVE
AT&T — AT&T CORPORATION	CONC. — CONCRETE
EDISON — SOUTHERN CALIFORNIA EDISON COMPANY	A.C. P.V.M.T. — ASPHALT CONCRETE PAVEMENT
C.A.T.V. — CHARTER COMMUNICATIONS CABLE	P.C.C. — PORTLAND CEMENT CONCRETE
L.C.I.D. — LA CANADA IRRIGATION DISTRICT	EXIST. — EXISTING
F.M.W.D. — Foothill Municipal Water District	STD. — STANDARD
APWA — AMERICAN PUBLIC WORKS ASSOCIATION	STD. DWG. — STANDARD DRAWING
AWWA — AMERICAN WATER WORKS ASSOCIATION	EXIST. WATER METER BOX
C.L. — CENTER LINE	PROPOSED BLOW-OFF
P.L. — PROPERTY LINE	PROPOSED AIR RELEASE ASSEMBLY
N/C.L. — NORTH OF CENTER LINE	STEEL METER BOX TRAFFIC LID
S/C.L. — SOUTH OF CENTER LINE	PROPOSED 6\"/>
CLAW — CEMENT MORTAR LINED & WRAPPED STEEL PIPE	FIRE HYDRANT
CM&CMC — CEMENT MORTAR LINED & CEMENT MORTAR COATED	PROPOSED GATE VALVE
C.I. OR C.I.P. — CAST IRON PIPE	EXISTING GATE VALVE
O.D. — OUTSIDE DIAMETER	ELECTRICAL BOX
I.D. — INSIDE DIAMETER	STREET LIGHT
R.C.P. — REINFORCED CONCRETE PIPE	TRAFFIC SIGNAL
S.S. — STANDARD STEEL PIPE	PROPOSED POTHOLE
M.H. — MANHOLE	EXISTING TREE
F.H. — FIRE HYDRANT	PROPOSED BLOW-OFF
W.M. — WATER METER	

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOTIFY C.V.W.D. PROJECT ENGINEER CHRISTINA OLMEDO FIVE (5) WORKING DAYS PRIOR TO STARTING WORK. AT (818) 248-3825
2. THE DISTRICT WILL EXECUTE ALL SHUT-DOWNS AND TURN-ONS. THE CONTRACTOR SHALL PROVIDE THE DISTRICT WITH AT LEAST (5) WORKING DAYS NOTICE. WATER TIGHT SHUT-DOWNS ARE NOT ASSURED BY THE DISTRICT; THEREFORE, THE CONTRACTOR SHALL BE PREPARED FOR VALVE LEAKAGE THAT MAY OCCUR DURING SYSTEM SHUT-DOWN.
3. ALL WORK SHALL CONFORM TO C.V.W.D. STANDARD SPECIFICATIONS AND STANDARD DRAWINGS.
4. ALL WATER SYSTEM INSTALLATIONS SHALL BE INSPECTED BY C.V.W.D.
5. MAINLINE PIPE SHALL HAVE A MINIMUM DEPTH OF 36 INCHES FROM FLOW LINE, UNLESS OTHERWISE NOTED. SERVICE LINES SHALL HAVE A MINIMUM DEPTH OF 24 INCHES FROM FLOW LINE, UNLESS OTHERWISE NOTED.
6. ALL FIELD WELDING SHALL BE IN ACCORDANCE WITH AWWA C206.
7. BACKFILL PROCEDURE SHALL BE COVERING THE PIPELINE WITH APPROVED BEDDING MATERIAL, HAND PLACED DEPTH OF 12 INCHES OR MORE ABOVE THE TOP OF THE PIPE. THE BALANCE OF BACKFILL SHALL CONTAIN NO STONES MORE THAN 2 INCHES IN THEIR LARGEST DIMENSION.
8. THE CONTRACTOR SHALL HYDROSTATICALLY TEST ALL PIPE UPON COMPLETION. THE REQUIRED TEST SHALL BE IN ACCORDANCE WITH C.V.W.D. TECHNICAL PROVISIONS.
9. FLUSHING AND DISINFECTION: UPON COMPLETION OF THE HYDROSTATIC TESTS, THE PIPES SHALL BE FLUSHED AND DISINFECTED. DISINFECTION SHALL BE IN ACCORDANCE WITH THE STANDARD FOR DISINFECTING WATER MAINS (AWWA C601) AND SHALL BE SCHEDULED WITH C.V.W.D.
10. ALL FITTINGS AND VALVES SHALL MEET C.V.W.D. SPECIFICATIONS.
11. ALL CONNECTIONS TO EXISTING FACILITIES SHALL BE SCHEDULED WITH C.V.W.D. NO CONNECTIONS TO C.V.W.D. SYSTEM UNTIL PIPE HAS SUCCESSFULLY PASSED THE HYDROSTATIC AND DISINFECTION TEST.
12. ALL SERVICE LATERALS SHALL CONFORM TO C.V.W.D. STANDARDS.
13. ALL VALVE CANS SHALL BE RAISED TO FINISHED GRADE DURING FINAL PAVING.
14. EXISTING METERS SHALL BE RECONNECTED PER TECHNICAL SPECIFICATION T-7.
15. PROPERTIES WITH STREET NUMBERS SHOWN SHALL HAVE WATER SERVICE LATERALS REPLACED AND CONNECTED TO PROPOSED 8 INCH CM&CMC AS REQUIRED TO MEET C.V.W.D. STANDARDS AND SPECIFICATIONS. EXACT LOCATION OF LATERAL / MAIN CONNECTION TO BE DETERMINED IN FIELD BY CONTRACTOR AND APPROVED BY C.V.W.D. INSPECTOR.
16. ALL REQUIRED WATER SERVICES SHALL BE CONNECTED TO NEW WATER MAIN AFTER HYDROSTATIC TESTING AND DISINFECTION, AND PRIOR TO FINAL TIE-IN OF NEW WATER MAIN.
17. BY APPROVING THIS PLAN, THE WATER PURVEYOR IS NEITHER GUARANTEEING NOR AGREEING THAT IT WILL SUPPLY WATER AT ANY SPECIFIC QUANTITIES OR PRESSURE AND NO SUCH OBLIGATION IS CREATED HEREBY.
18. CONTRACTOR TO NOTE THAT EXACT LOCATION AND DEPTH OF EXISTING FACILITIES MAY VARY AND SHOULD BE VERIFIED BY EXPLORATORY EXCAVATION AT TIME OF CONSTRUCTION. CONTRACTOR TO NOTIFY UNDERGROUND SERVICE ALERT PHONE NO. 811 AT LEAST TWO WORKING DAYS PRIOR TO DIGGING.
19. TRAFFIC CONTROL DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL CONFORM WITH REQUIREMENTS OF LOCAL TRAFFIC AUTHORITY.
20. ALL UNLINED FITTINGS AND SPECIALS SHALL BE FIELD MORTAR LINED (MIN. 5/16\"/>
21. NO HOSE OR FIRE HYDRANT SHALL BE USED IN THE COLLECTION OF BACTERIOLOGIC SAMPLES. A RISER WITH SAMPLING TAP, OR OTHER C.V.W.D. APPROVED INSTALLATION SHALL BE REQUIRED.
22. REMOVE EXISTING VALVE SLEEVE AND VALVE CAN CAP. ABANDON EXISTING VALVE IN-PLACE AND BACKFILL PER TECHNICAL PROVISION T-3 AND RESURFACE PER TECHNICAL PROVISION T-5.
23. ALL OFFSET DISTANCES ARE APPROXIMATE, CONTRACTOR SHALL VERIFY LOCATION PRIOR TO CONSTRUCTION.
24. REMOVE EXISTING VALVE SLEEVE, VALVE CAN CAP & EXISTING VALVE, PLUG EXIST. MAIN PER L.A. C.D.P.W. STD. PLANS DWG. W-22 AND BACKFILL PER TECHNICAL PROVISION T-3 AND RESURFACE PER TECHNICAL PROVISION T-5.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF THIS PROJECT IN ACCORDANCE WITH C.V.W.D. & CITY OF GLENDALE PLANS & SPECIFICATIONS. ANY DEVIATION FROM THESE PLANS & SPECIFICATIONS SHALL BE AUTHORIZED PRIOR TO CONSTRUCTION BY C.I.P. MANAGER. FAILURE TO OBTAIN PRIOR APPROVAL MAY RESULT IN ADDITIONAL COSTS TO THE CONTRACTOR (SEE CONTRACT SPECIFICATIONS, GENERAL PROVISIONS ARTICLE 3 & 4).



POTHOLE PRIOR TO CONSTRUCTION FOR DEPTH, LOCATION & CONDITION OF UNDERGROUND FACILITIES

** INSTALLATION OF 8\"/>

DISCLAIMER

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SCALE: 1" = 40'	DATE
DRAWN BY: J.A. HUERTA	1/28/15
CHECKED BY: D.S. GOULD	2/24/15
APPROVED: D.A. ERDMAN	3/7/15
AS BUILT:	

CRESCENTA VALLEY WATER DISTRICT **CWWD**
8" TRANSMISSION LINE INSTALLATION (WELL 16) ON
HERMOSA AVE. & LA CRESCENTA AVE.
FROM HERMOSA AVE. TO INTERSECTION OF LA CRESCENTA AVE. & SYCAMORE AVE.

GLENDALE PERMIT #

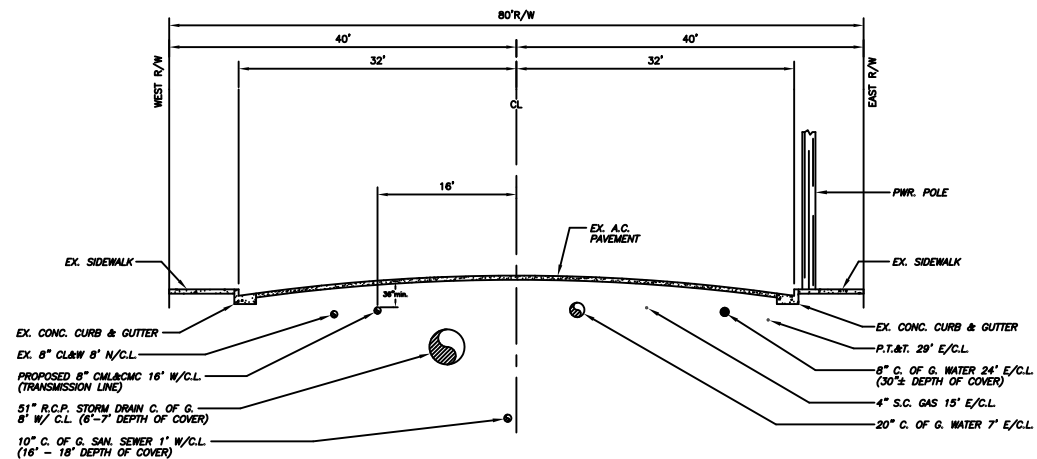
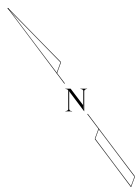
SHT. 1 OF 6 SHTS.	
COMPLETION DATE:	LINEAR FT. 1280'
JOB NO. E-940	FILE NO. C-347

PHONE No. 811

DIG ALERT

PLAY IT SAFE. CALL BEFORE YOU DIG.

AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATING



TYP. CROSS SECTION ON
LA CRESCENTA AVE.
FROM HERMOSA AVE. TO HONOLULU AVE.
N.T.S.

* INSTALL 8" CML&CMC 16" W/C.L. (TRANSMISSION LINE) UNDER EXIST. P.T.&T. 9" S/C.L. (ALLEY)
"PROTECT IN PLACE" (POTHOLE PRIOR TO CONSTRUCTION FOR DEPTH & LOCATION)

* INSTALL 8" CML&CMC UNDER EXIST. 18" STORM DRAIN (POTHOLE FOR DEPTH & LOCATION)

* INSTALL 8" 45" STD. WELD ELBOW & CONC. THRUST BLOCK PER L.A.C.D.P.W. STD. PLAN W-21

* INSTALL 8"x 8"± Lg. CML&CMC SPOOL (ACTUAL LENGTH TO BE DETERMINED IN FIELD) TUNNEL UNDER EXIST. 8" CL&W 21" W/C.L. WHERE LINES CROSS (POTHOLE FOR DEPTH & LOCATION)

INSTALL 8" 45" STD. WELD ELBOW ON P.L. & CONC. THRUST BLOCK PER L.A.C.D.P.W. STD. PLAN W-21

* INSTALL 8" CML&CMC UNDER EXIST. 12" CML&CMC 25" N/C.L. (POTHOLE FOR DEPTH & LOCATION)

* INSTALL 8" CML&CMC UNDER EXIST. 4" S.C. GAS 15" N/C.L. (POTHOLE FOR DEPTH & LOCATION)

EXIST. 6"x4"x2-1/2" FIRE HYDRANT
4" S.C. GAS 15" N/C.L.
18" C. OF G. SAN. SEWER ON C.L.
(16" - 18" DEPTH OF COVER)

GLENDALE ELECTRICAL DUCT BANK 8" S/C.L.
ABANDONED 10" S.S. 17" S/C.L.
EXIST. CONC. CURB, GUTTER & SIDEWALK
C. OF G. ELECTRICAL CONDUIT 38"± S/C.L.

EX. 6"x4"x2-1/2" FIRE HYDRANT

* INSTALL 8" CML&CMC UNDER EXIST. GLENDALE ELECTRICAL DUCT BANK 8" S/C.L. (POTHOLE FOR DEPTH & LOCATION)

CUT & REMOVE SECTION OF ABANDONED 10" S.S. AS-NEEDED FOR NEW INSTALLATION, PLUG PER L.A.C.D.P.W. STD. PLANS DWG. W-21

EXIST. 6" F.E.G.V. (V. 58)

** INSTALL 8" CML&CMC WELDED PIPE 29" W/C.L. (TRANSMISSION LINE)

18" C. OF G. SAN. SEWER 24" W/C.L.
(18" - 20" DEPTH OF COVER)

EXIST. 6" CL&W 20"± W/C.L.

51" R.C.P. STORM DRAIN (GLENDALE)
8" W/C.L.(8" - 8" DEPTH OF COVER)

4" S.C. GAS 15" E/C.L.

EXIST. CONC. CURB, GUTTER & SIDEWALK
P.T. & T. DUCT BANK 29" E/C.L.
4" S.C. GAS 15" E/C.L.
20" C. OF G. WATER 7" E/C.L.
10" C. OF G. SAN. SEWER 1" W/C.L.
(12" - 17" DEPTH OF COVER)

51" R.C.P. STORM DRAIN (GLENDALE)
8" W/C.L. (8" - 8" DEPTH OF COVER)
EXIST. 8" CL&W 21" W/C.L. (REF. B2-44)
18" R.C.P. STORM DRAIN, GLENDALE

INSTALL 8" CML&CMC 16" W/C.L. (TRANSMISSION LINE)

REPLACE TRAFFIC LOOPS PER L.A. COUNTY STANDARDS

EXIST. 12" F.E.G.V. ON P.L. (V. 21)
EXIST. 12" R.S. F.E.G.V. (REF. C-140)

GLENDALE ELECTRICAL DUCT BANK 38" E/C.L.
GLENDALE ELECTRICAL DUCT BANK 23" E/C.L.

EXIST. 12" CL&W 14" W/C.L.

18" STORM DRAIN, GLENDALE
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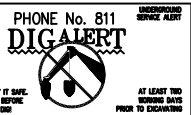
72.5'

72.5'

72.5'

* POTHOLE PRIOR TO CONSTRUCTION FOR DEPTH, LOCATION & CONDITION OF UNDERGROUND FACILITIES

** INSTALLATION OF 8" CML&CMC WILL REQUIRE EACH JOINT TO BE FULLY WELDED PER L.A.C.D.P.W. STANDARD PLANS DWG. W-50 FOR ZONE "B" WATER MAIN CONSTRUCTION REQUIREMENTS.

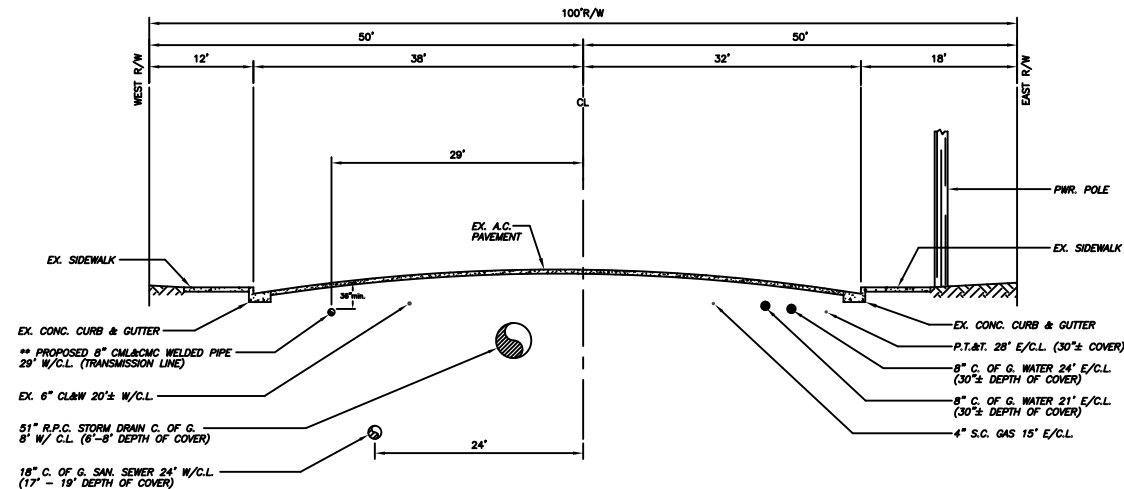
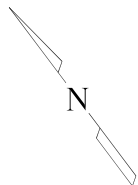


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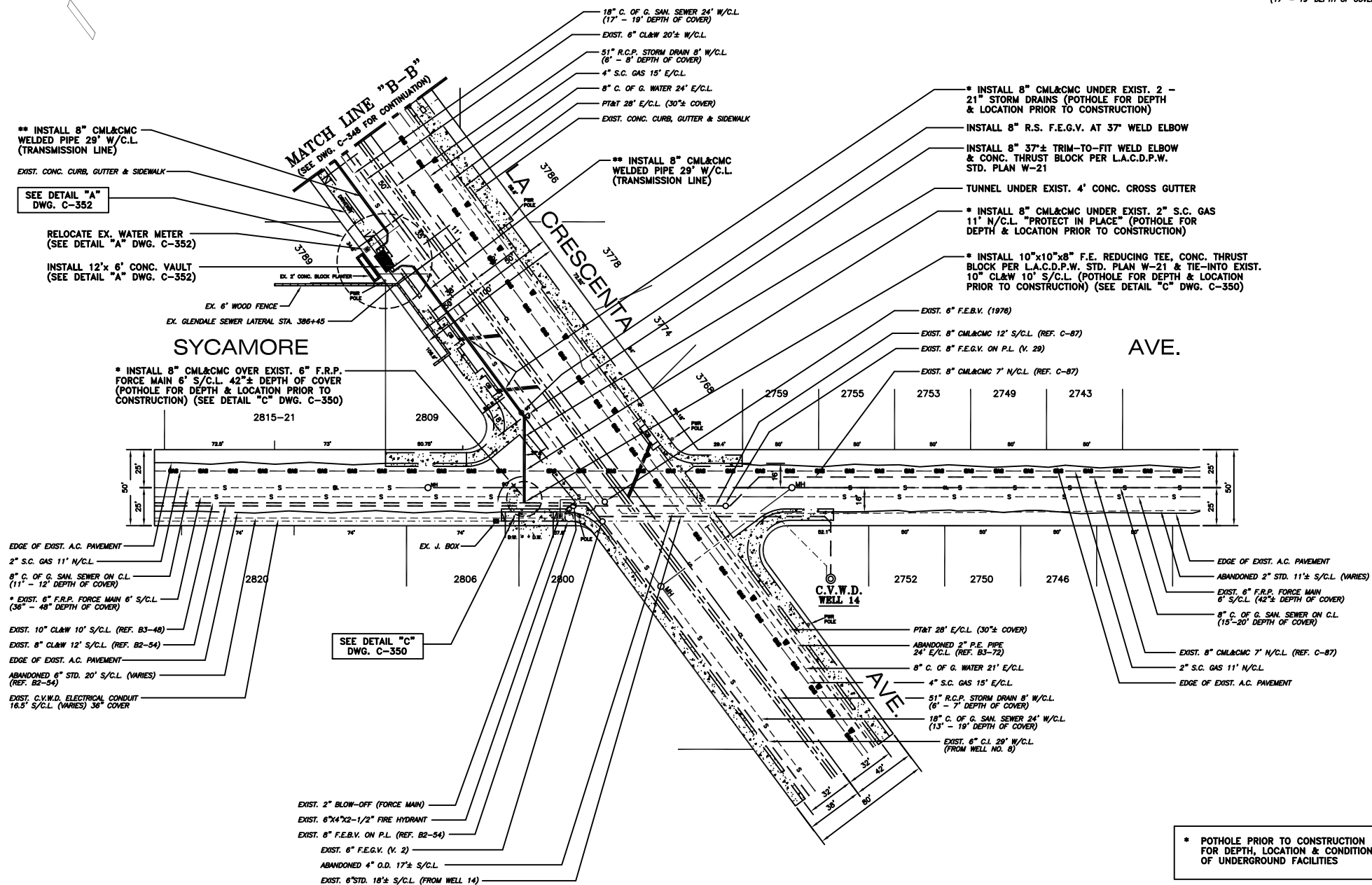
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DRAWN BY: J.A. HUERTA	1/28/15
CHECKED BY: D.S. GOULD	2/24/15
APPROVED: D.A. ERDMAN	3/7/15
AS BUILT:	

CRESCENTA VALLEY WATER DISTRICT
8" TRANSMISSION LINE INSTALLATION (WELL 16) ON
HERMOSA AVE. & LA CRESCENTA AVE.
FROM HERMOSA AVE. TO INTERSECTION OF LA CRESCENTA AVE. & SYCAMORE AVE.

GLENDALE PERMIT #	
SHT. 2 OF 6 SHTS.	
COMPLETION DATE:	LINEAR FT.
JOB NO. E-940	FILE NO. C-348



TYP. CROSS SECTION ON
LA CRESCENTA AVE.
FROM HONOLULU AVE. TO SYCAMORE AVE.
N.T.S.



* POTHOLE PRIOR TO CONSTRUCTION FOR DEPTH, LOCATION & CONDITION OF UNDERGROUND FACILITIES

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DRAWN BY: J.A. HUERTA	1/28/15
CHECKED BY: D.S. GOULD	2/24/15
APPROVED: D.A. ERDMAN	3/7/15
AS BUILT:	

CRESCENTA VALLEY WATER DISTRICT	
8" TRANSMISSION LINE INSTALLATION (WELL 16) ON HERMOSA AVE. & LA CRESCENTA AVE.	
FROM HERMOSA AVE. TO INTERSECTION OF LA CRESCENTA AVE. & SYCAMORE AVE.	

GLENDALE PERMIT #	
SHT. 3 OF 6 SHTS.	
COMPLETION DATE:	LINEAR FT.
JOB NO. E-940	FILE NO. C-349

PHONE No. 811

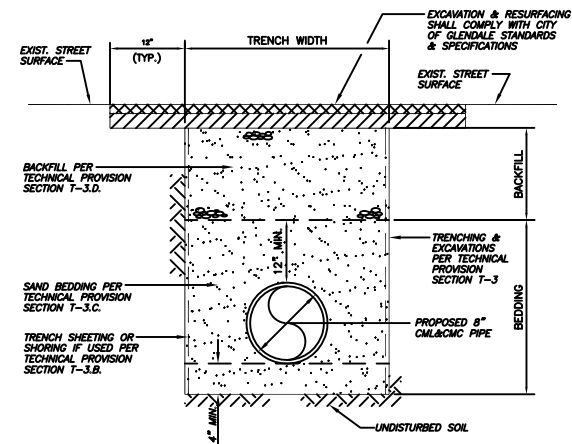
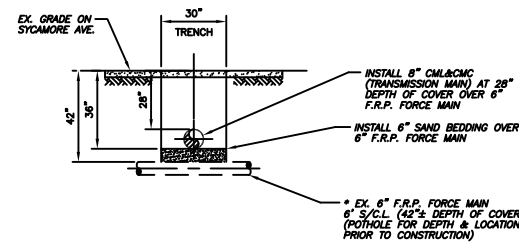
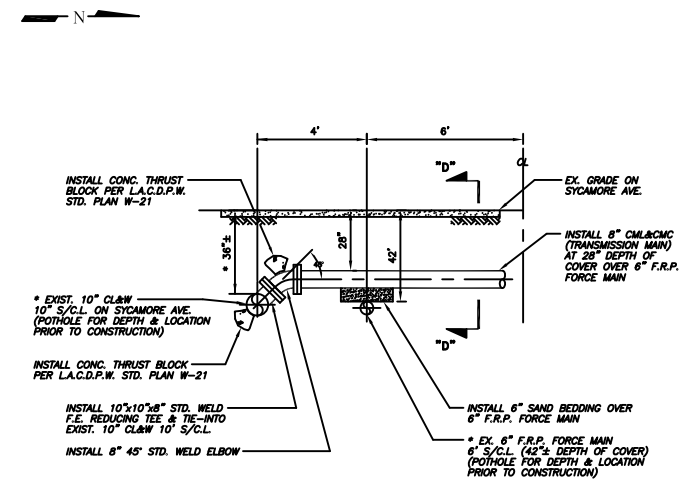
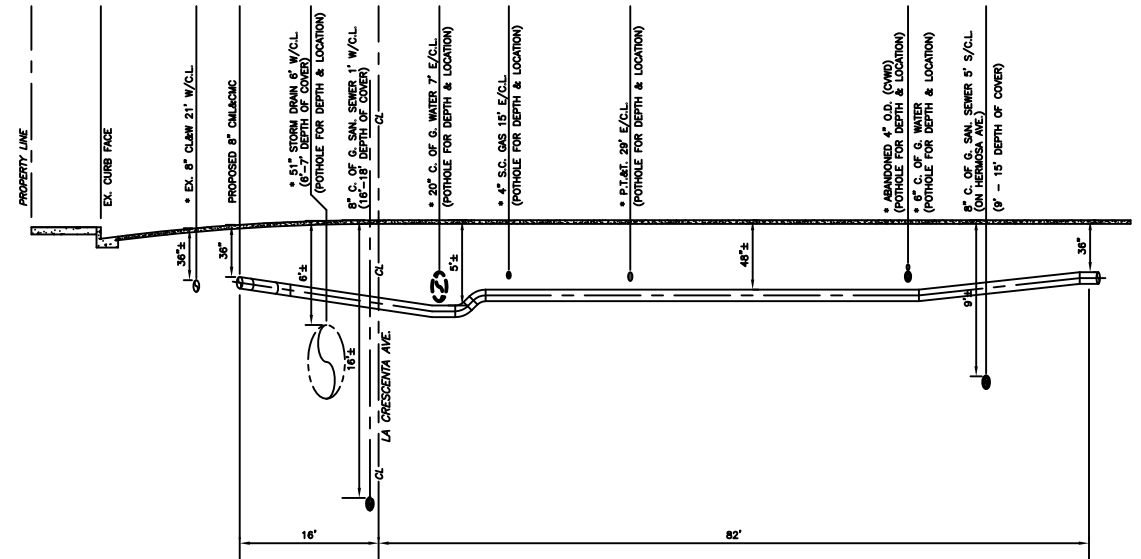
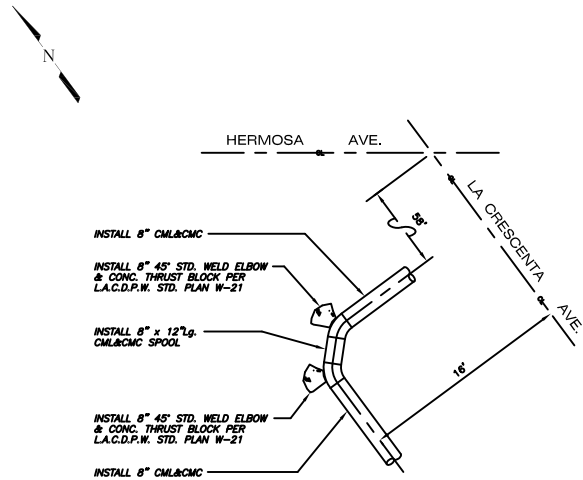
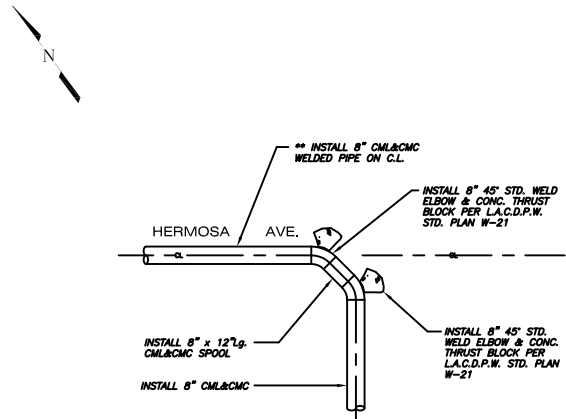
DIGALERT



PLAY IT SAFE. CALL BEFORE YOU DIG.

UNDERGROUND SERVICE ALERT

AT LEAST TWO BUSINESS DAYS PRIOR TO EXCAVATING



* POTHOLE PRIOR TO CONSTRUCTION FOR DEPTH, LOCATION & CONDITION OF UNDERGROUND FACILITIES

** INSTALLATION OF 8" CML&CMC WILL REQUIRE EACH JOINT TO BE FULLY WELDED PER L.A.C.D.P.W. STANDARD PLANS DWG. W-50 FOR ZONE "B" WATER MAIN CONSTRUCTION REQUIREMENTS.

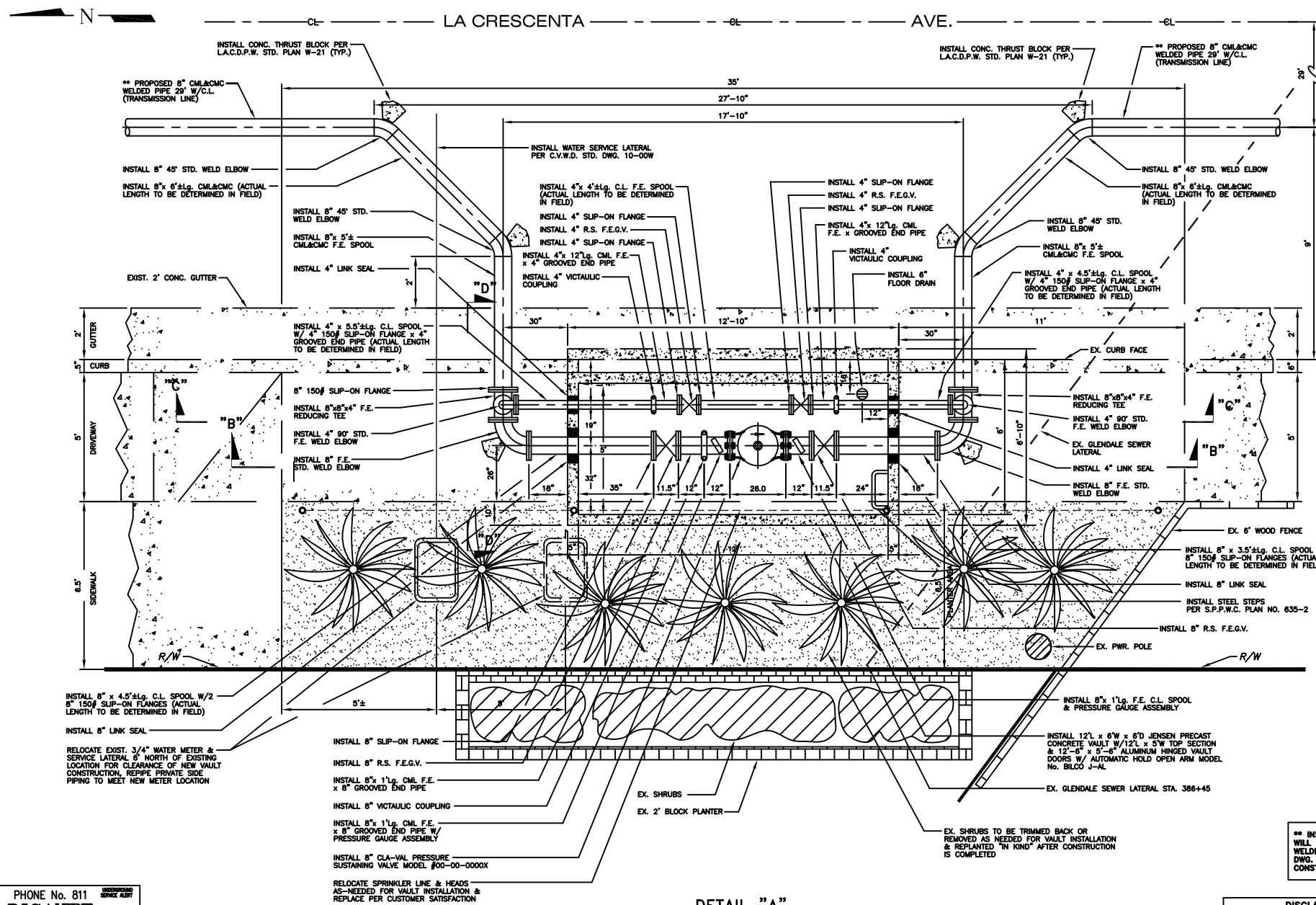
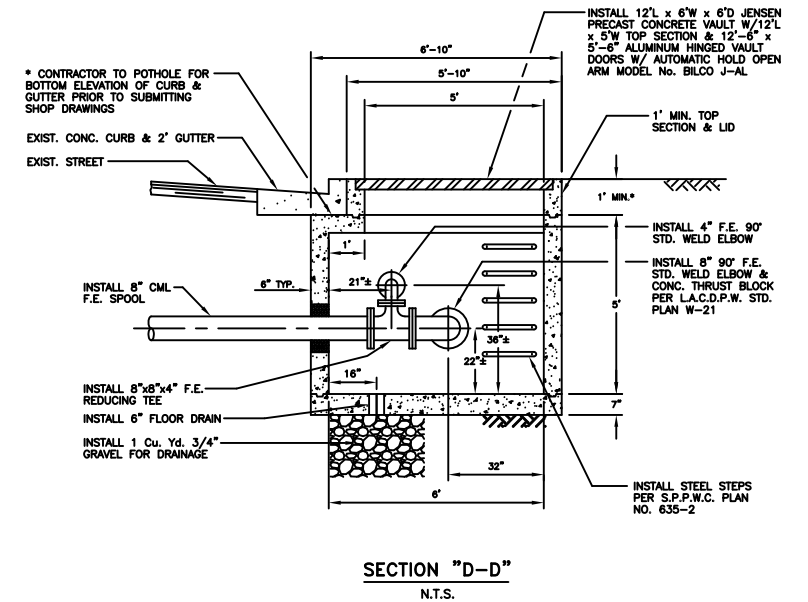
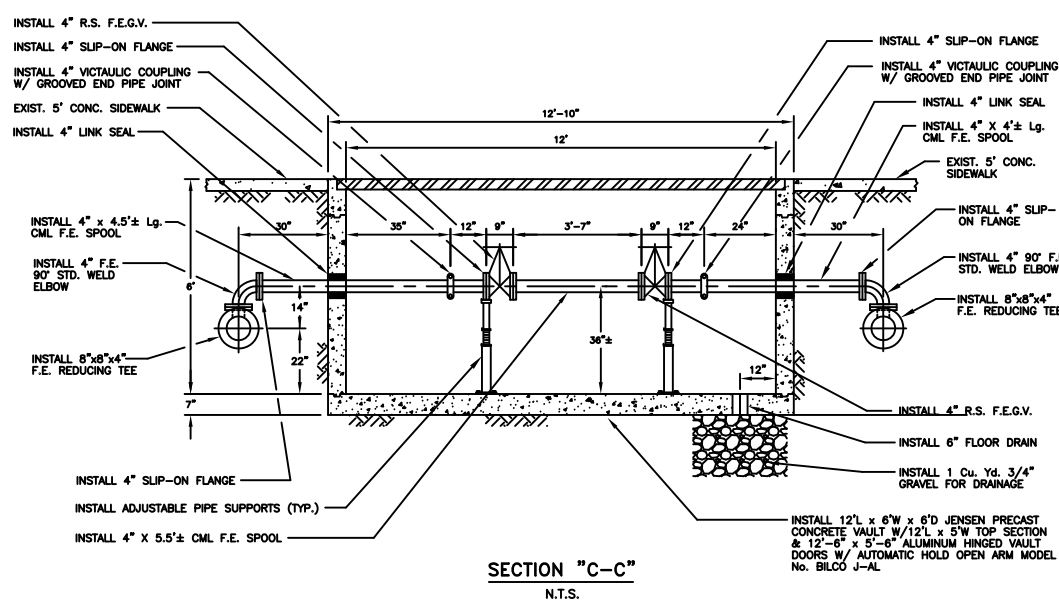
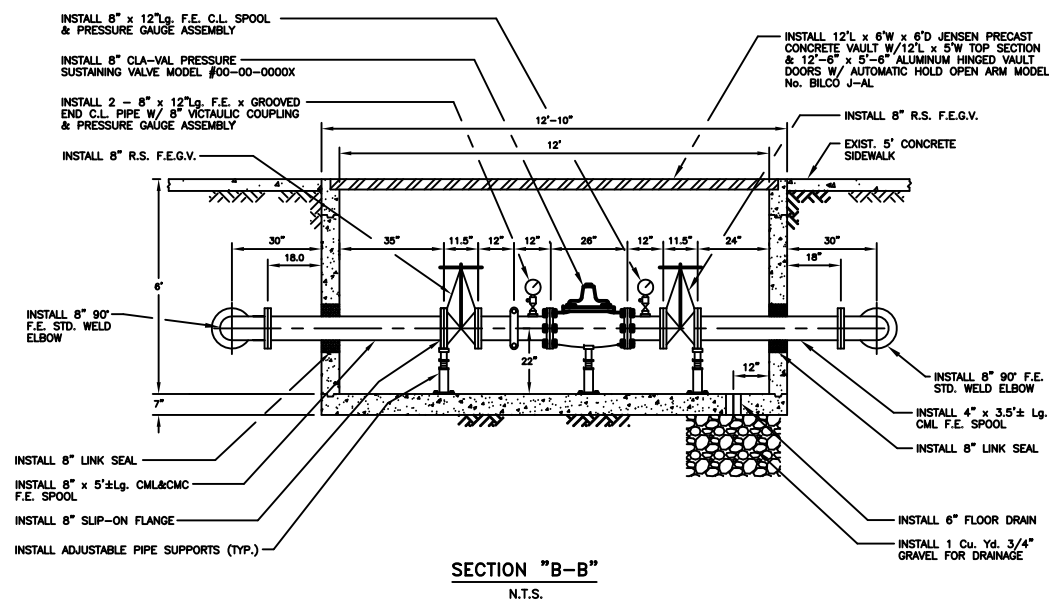


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SCALE:	AS NOTED	DATE:	1/28/15
DRAWN BY:	J.A. HUERTA	CHECKED BY:	D.S. GOULD
APPROVED:	D.A. ERDMAN	DATE:	3/7/15
AS BUILT:			

CRESCENTA VALLEY WATER DISTRICT
8" TRANSMISSION LINE INSTALLATION (WELL 16) ON HERMOSA AVE. & LA CRESCENTA AVE.
FROM HERMOSA AVE. TO INTERSECTION OF LA CRESCENTA AVE. & SYCAMORE AVE.

GLENDALE PERMIT #	
SHT. 4 OF 6 SHTS.	COMPLETION DATE:
LINEAR FT.	JOB NO. E-940
FILE NO. C-350	



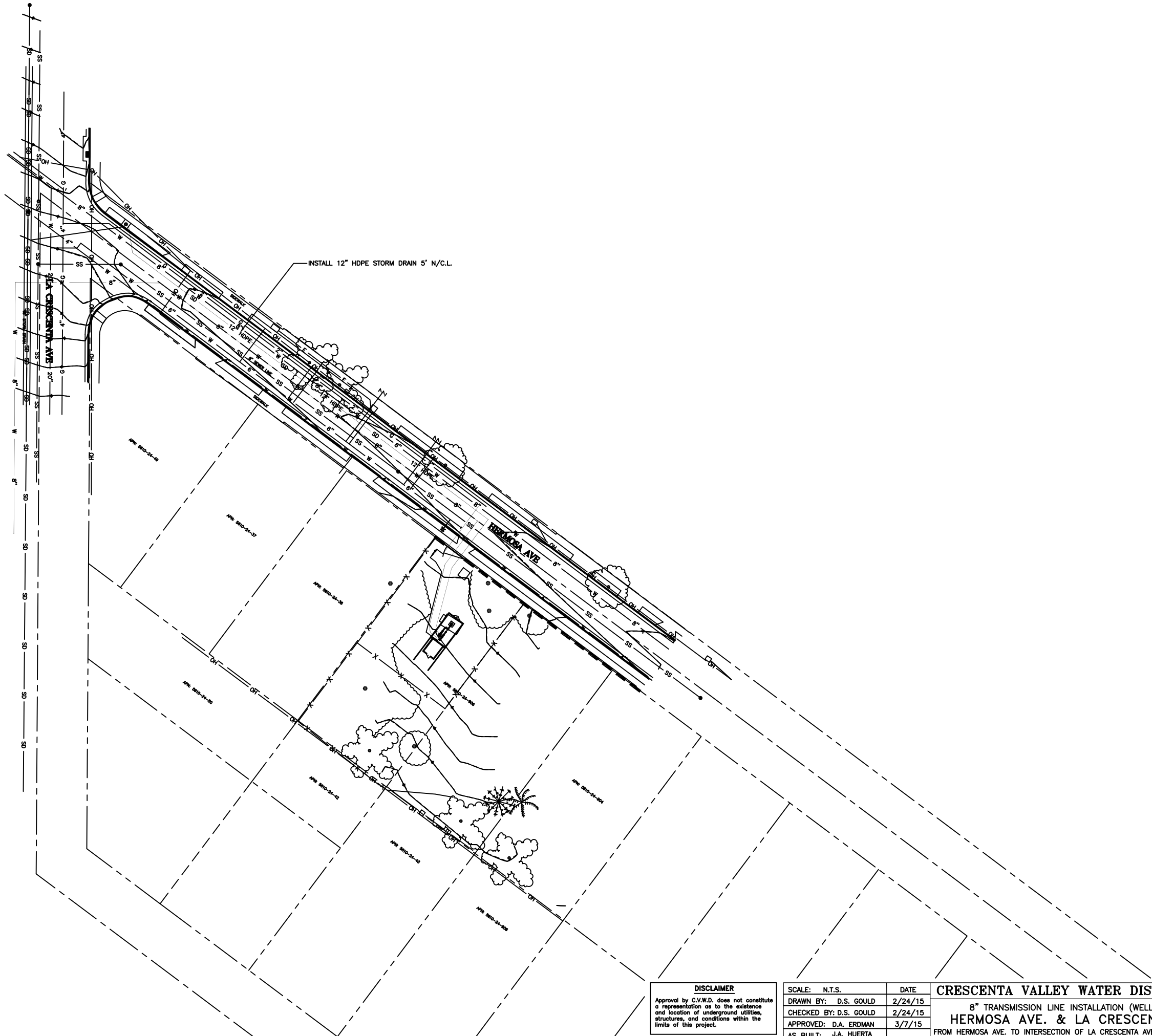
**** INSTALLATION OF 8" CML&CMC WILL
WILL REQUIRE EACH JOINT TO BE FULLY
WELDED PER L.A.C.D.P.W. STANDARD PLANS
DWG. W-50 FOR ZONE "B" WATER MAIN
CONSTRUCTION REQUIREMENTS.**

SCALE: AS NOTED	DATE
DRAWN BY: J.A. HUERTA	1/28/15
CHECKED BY: D.S. GOULD	2/24/15
APPROVED: D.A. ERDMAN	3/7/15
AS BUILT: J.A. HUERTA	

CRESCENTA VALLEY WATER DISTRICT 

8" TRANSMISSION LINE INSTALLATION (WELL 16) ON
HERMOSA AVE. & LA CRESCENTA AVE.
 FROM HERMOSA AVE. TO INTERSECTION OF LA CRESCENTA AVE. & SYCAMORE AVE.

SHT. <u>5</u> OF <u>6</u> SHTS.	
COMPLETION DATE:	LINEAR FT.
JOB NO. E-940	FILE NO. C-351



PHONE No. 811
DIGALERT
PLAY IT SAFE.
CALL BEFORE
YOU DIG.

AT LEAST TWO
BUSINESS DAYS
PRIOR TO EXCAVATION

EMERGENCY
SERVICE ALERT

DISCLAIMER
Approval by C.V.W.D. does not constitute a representation as to the existence and location of underground utilities, structures, and conditions within the limits of this project.

SCALE:	N.T.S.	DATE
DRAWN BY:	D.S. GOULD	2/24/15
CHECKED BY:	D.S. GOULD	2/24/15
APPROVED:	D.A. ERDMAN	3/7/15
AS BUILT:	J.A. HUERTA	

CRESCENTA VALLEY WATER DISTRICT

8" TRANSMISSION LINE INSTALLATION (WELL 16) ON
HERMOSA AVE. & LA CRESCENTA AVE.
FROM HERMOSA AVE. TO INTERSECTION OF LA CRESCENTA AVE. & SYCAMORE AVE.

SHT. <u>6</u> OF <u>6</u> SHTS.	
COMPLETION DATE:	LINEAR FT.
JOB NO. E-940	FILE NO. C-352

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 3

March 17, 2015

To: Honorable President and Members of the Board of Directors

From: Ron L. Mitchell – Secretary-Treasurer

Subject: FY 2015/16 Water and Wastewater Budgets

ACTION ITEM:

FY 2015/16 Water and Wastewater Budgets – Discussion of updated FY 2015/16 Water and Wastewater Budget numbers.

New Information for the March 17, 2015 Board meeting

Staff presented the first draft of the FY 2015/16 Water and Wastewater Budgets at the March 3, 2015 Board meeting. At that time staff had the Board primarily focus on water production numbers as they are the key to projecting revenues. The Board agreed with staff's recommendation to project 4,100 AF less shrinkage for the FY 2015/16. The Board also asked staff to consider other items to include in the budget which included accelerating the water meter replacement program, reducing the amount of the Turf Rebate program for the upcoming year, reducing overtime figures and reviewing labor expenses related to transfers to capital improvement projects, and installing seismic sensor valves at two reservoirs.

Staff has gone back and reviewed these areas and made changes to the various tables shown on the first draft of the FY 2015/16 Water and Wastewater Budgets. The areas of change are described below and are highlighted in gray on the attached Cash Flow Models.

Water Cash Flow Model:

Table WB-1 No changes.

Table WB-2 No changes.

Table WB-3 Revised projected interest earnings for water and MTBE funds to reflect what staff believes will be the amounts for FY 2014/15 and FY 2015/16; Lowered expected revenues for Late Fees due to increased usage of online payment options; Revised the projected revenue for FY 2014/15 for Meter Installation/Hydrant Charges due to a large one-time project to install five new meters for Caltrans in FY 2014/15; Rental Income remained the same for FY 2015/16.

Table WB-4 Revised the OT downward as FY 2014/15 had a number of extraordinary events that staff anticipates will not happen again in FY 2015/16; Eliminated the Labor Transfer to Capital in the projected FY 2014/15 as those transfers are already accounted for in the project labor costs shown in the model; Reduced the Lab & Sampling expense from \$80,000 to \$65,000 as there were extraordinary sampling for the State in FY 2014/15; Increased the amount of Meters-Maintenance from \$275,000 to \$425,000, the amount of Meters-Paving from \$275,000 to \$315,000 and the amount of Meters-Lateral Leaks from \$150,000 to \$200,000. This was done to reflect the cost of purchasing an additional 1,000 meters in FY 2015/16 and the expected discovery of lateral that would need to be replaced along with the additional cost of paving for those replacements; Reduce the amount of the Turf Rebate program from \$110,000 for FY 2014/15 to \$50,000 for FY 2015/16.

Table WB-5 No changes.

Table WB-6 No changes.

Table WB-7 Revised Capital Improvements to reflect expected projects for pipelines and boosters and the addition of seismic sensor valves at Dunsmore and Pickens Reservoirs.

Table WB-8 The target reserve levels are a calculated number and changed due to the changes in revenues and expenses described above.

Table WB-8A No changes.

Table WB-9 This table summarizes all the previous tables and reflects the changes in projected revenues and expenses described above. Staff has left the projected rate increases that were a part of the FY 2014/15 Cash Flow Model and can provide changes at the meeting if requested.

Wastewater Cash Flow Model:

Tables WWB-1, WWB-2, and WWB-3 No changes.

Table WWB-4 Eliminated the Labor Transfer to Capital in FY 2014/15 as those transfers are already accounted for in the project labor costs shown in the model.

Table WWB-5 The target reserve levels are a calculated number and changed slightly due to the changes in labor expenses described in Table WWB-4.

Table WWB-6 No change.

Table WWB-7 This table summarizes all the previous tables and reflects the change in projected expenses described above. Staff has left the projected rate increases that were a part of the FY 2014/15 Cash Flow Model and can provide changes at the meeting if requested.

Staff's goal is to gather input from the Board related to the revenues, expenses, and capital improvements to finalize the budgets and begin to prepare the Proposition 218 notices for review at the Finance Committee meeting scheduled for March 27, 2015.

Information previously provided to the Board at the March 3, 2015 meeting

BACKGROUND

An essential element of preparing the annual budget is estimating the water production and sales for the coming fiscal year. The water production and sales projections are used to determine the anticipated revenue from water sales. This is a major factor in determining any potential water rate increases necessary to meet the estimated maintenance and operation expenses, capital outlay and improvements, cost of imported water, and to maintain the water reserve funds at the necessary target reserve level.

Staff also uses these water projections as part of setting the 5-year budget, which is used by the Board of Directors to determine the future needs of the District.

Staff met with the Finance Committee on February 26, 2015 and presented the first draft of the FY 2015/16 Water and Wastewater budgets, which included the proposed water production and sales projections.

Staff also has included as part of this action item, a memorandum which describes the methodology and assumptions used by staff to develop the water production, expenses, capital outlay, and capital improvements for the FY 2015/16 Water and Wastewater budgets.

DISCUSSION

There are a number of variables that are considered by staff when preparing the annual water projections and sales projections such as:

- The continued State-wide drought conditions

- Less than average rainfall in 2014 and 2015
- Decrease capacity of CVWD's groundwater wells
- Increase in the District's water conservation efforts
- The economic trends within the Crescenta Valley and the Los Angeles area
- Meeting the 20% reduction of water demand by 2020 requirements (5,147 ac-ft/yr)
- MWD's Water Supply Allocation Plan which could possibly start in July 2015 or sooner
- Historic water production data
- Unaccountable water loss through water main or lateral leaks and inaccurate meter readings

As part of the planning for last year's FY 2014/15 budget, staff projected 4,500 ac-ft of water would be produced with an 8% reduction due to water loss. This was a reduction of 5.9% in water production from FY 2013/14. As FY 2014/15 progresses, it appears that water production will be about 4,200 ac-ft, which reflects the community's response to the request for water conservation.

Staff used the current trends as a basis for looking at future water production and sales projections for FY 2015/16 and beyond.

Staff used these factors to develop water projections for the next five (5) fiscal years as shown in the attached Table 1. Staff anticipates that water production will reduce in FY 2015/16 to 4,100 ac-ft in response to the current drought condition. Staff is anticipating a slight increase of 100 ac-ft per year (or 2% increase) over the next five (5) years. These water production and sales projections were used as part of the draft FY 2015/16 budget.

RECOMMENDATION

Staff is looking for input from the Board to support or recommend changes to the anticipated water production and sales projection assumptions, as they are an important factor in determining potential revenues for water sales.

The Finance Committee also asked several questions related to expenses and capital improvements as outlined in the various tables included in this package. In particular, the Finance Committee requested information from staff on how to expedite the replacement of water meters and developing an AMI system, discussed the water conservation turf rebate program and to what level this program should be funded by the District, and the importance of completing the installation of seismic sensors and valve actuators at reservoir sites. Staff will be looking for direction from the Board on these issues as well.

Any recommendations, along with those already received from the Finance Committee, will be included in the next draft as part of the March 17th Board meeting.

Prepared by:

Submitted by:

Ron L. Mitchell
Secretary-Treasurer

Dennis A. Erdman
General Manager

Attachments:

1. FY 2015/16 – Preliminary Water and Wastewater Budget
2. Table - Water Production Projections FY 2000/01 to FY 2023/24
3. Chart - Water Production Projections FY 2000/01 to FY 2023/24

Table Water Budget WB - 1 Projected Water Customers - FY 15-16 - Prelimianry

Water Meter Size	Recorded FY 2012-13	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
3/4 inch	6,927	6,953	6,956	6,945	6,948	6,951	6,954	6,957	6,960
1 inch	806	807	810	820	823	826	829	832	835
1-1/2 inch	142	142	143	143	144	145	146	147	148
2 inch	64	64	65	66	67	68	69	70	71
3 inch	24	24	24	27	27	27	27	27	27
4 inch	2	2	2	2	2	2	2	2	2
6 inch	0	0	0	0	0	0	0	0	0
8 inch	0	0	0	0	0	0	0	0	0
10 inch	0	0	0	0	0	0	0	0	0
Total water services	7,965 ⁽¹⁾	7,992	8,000	8,003	8,011	8,019	8,027	8,035	8,043
Projected No. of Account Annual Increase	(105)	27	8	11	8	8	8	8	8
Projected Percent of Account Annual Increase	-1.30%	0.34%	0.10%	0.14%	0.10%	0.10%	0.10%	0.10%	0.10%

Note:

1. Number of accounts reduced during internal audit of water accounts in FY 12/13

Table Water Budget - WB-2 Water Production and Costs - FY 15/16 - Preliminary

Description	Recorded FY 2012-13	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
Well Production (Verdugo Basin)	3,076	2,372	2,600	2,242	2,340	2,580	2,700	2,960	3,170
Well Production (GWP) ⁽⁵⁾	0	0	0	0	395	540	495	420	465
Foothill MWD Purchases ⁽⁴⁾	1,582	2,410	1,900	1,958	1,365	1,080	1,105	1,020	865
Total Production ⁽¹⁾⁽²⁾	4,658	4,782	4,500	4,200	4,100	4,200	4,300	4,400	4,500
Shrinkage (percent) ⁽³⁾	8%	8%	8%	8%	8%	8%	8%	8%	8%
Less Shrinkage (ac-ft)	373	383	360	336	328	336	344	352	360
Total billable consumption (sales)	4,285	4,399	4,140	3,864	3,772	3,864	3,956	4,048	4,140
FMWD Purchased Water	1,582	2,410	1,900	1,958	1,365	1,080	1,105	1,020	865
FMWD Unit Charge (\$/ac-ft)	\$ 1,418	\$ 1,308	\$ 1,430	\$ 1,447	\$ 1,626	\$ 1,846	\$ 1,898	\$ 2,015	\$ 2,311
FMWD Cost	\$2,233,668	\$ 3,151,636	\$2,716,750	\$2,833,572	\$2,219,355	\$1,993,255	\$2,096,882	\$2,055,372	\$1,998,771
Cost Increase/Decrease from FMWD Unit Charge	\$ 27	\$ (110)	\$ 122	\$ 139	\$ 179	\$ 220	\$ 52	\$ 117	\$ 296
Percent FMWD Cost Increase/Decrease	10.00%	41.10%	-13.80%	-10.09%	-21.68%	-10.19%	5.20%	-1.98%	-2.75%
Well Production (GWP)					395	540	495	420	465
GWP Unit Charge (\$/ac-ft) ⁽⁶⁾					\$ 450	\$ 450	\$ 450	\$ 450	\$ 450
GWP Cost					\$177,750	\$243,000	\$222,750	\$189,000	\$209,250

Notes:

1. All quantities are in acre-feet (ac-ft).
2. Projected Total Production for FY 15/16 at 4,100 ac-ft, increase by 100 ac-ft to FY 19/20
3. Shrinkage (water loss) anticipated to be 8% as part of the continuation of the water meter replacement program
4. FMWD Cost based on FMWD's Preliminary Budget based on anticipated 5% rate increase from FMWD & 2.1% rate increase from MWD in 1/2016
5. GWP (Well 16) assumed to be in production in 8/2015
6. GWP cost per ac-ft based on 5-yr average cost per ac-ft of \$450/ac-ft

Water Budget Table WB-3 Sources of Water Funds - FY 15/16 - Preliminary

Description	Recorded FY 2012-13	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
Sources of Funds - Variable Sources									
Water Sales - Consumers	\$ 6,859,371	\$ 7,463,415	\$ 7,607,000	\$ 7,099,000	\$ 7,496,000	\$ 8,308,000	\$ 9,137,000	\$ 9,798,000	\$ 10,021,000
<i>Water Sales - CVWD</i>	\$ 4,300,707	\$ 4,843,462	\$ 4,869,000	\$ 4,544,000	\$ 5,001,000	\$ 5,753,000	\$ 6,521,000	\$ 7,121,000	\$ 7,283,000
<i>Water Sale - FMWD</i>	\$ 2,558,664	\$ 2,619,953	\$ 2,738,000	\$ 2,555,000	\$ 2,495,000	\$ 2,555,000	\$ 2,616,000	\$ 2,677,000	\$ 2,738,000
Interest Earned - Water	\$ 76,308	\$ 125,914	\$ 75,000	\$ 100,000	\$ 100,000	\$ 102,000	\$ 104,000	\$ 106,000	\$ 108,000
Gain/Loss on Sale of Investments		\$ 47,243							
Fair Value Adjustment		\$ 202,439							
Interest Earned - MTBE Reserve Fund	\$ -	\$ 46,780	\$ 139,000	\$ 125,000	\$ 125,000	\$ 136,000	\$ 135,000	\$ 134,000	\$ 133,000
Subtotal variable sources	\$ 6,935,679	\$ 7,885,791	\$ 7,821,000	\$ 7,324,000	\$ 7,721,000	\$ 8,546,000	\$ 10,038,000	\$ 10,038,000	\$ 10,262,000
Sources of Funds - Stable Sources									
Water Sales - Service Charge	\$ 1,633,352	\$ 1,731,323	\$ 1,830,000	\$ 1,836,000	\$ 1,988,000	\$ 2,154,000	\$ 2,317,000	\$ 2,431,000	\$ 2,434,000
Fire Service Meter Charge	\$ 29,785	\$ 31,667	\$ 34,000	\$ 33,000	\$ 36,000	\$ 40,000	\$ 44,000	\$ 47,000	\$ 46,000
Late Fees/Fire Hydrant Flow/Backflow Tests	\$ 70,322	\$ 70,271	\$ 75,000	\$ 75,000	\$ 70,000	\$ 73,000	\$ 76,000	\$ 79,000	\$ 82,000
Rental Property Income	\$ 22,500	\$ 21,573	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 22,500	\$ 28,000
Subtotal - Stable Sources	\$ 1,755,959	\$ 1,854,834	\$ 1,968,000	\$ 1,973,000	\$ 2,124,000	\$ 2,298,000	\$ 2,469,000	\$ 2,590,000	\$ 2,602,000
Sources of Funds - CIP Sources									
Water Systems Connect Fee	\$ 92,717	\$ 62,660	\$ 55,000	\$ 55,000	\$ 60,000	\$ 65,000	\$ 70,000	\$ 75,000	\$ 80,000
Meter Installation/Hydrant Charges	\$ 64,019	\$ 24,883	\$ 40,000	\$ 100,000	\$ 50,000	\$ 60,000	\$ 70,000	\$ 80,000	\$ 90,000
Other Income - Water/Grants	\$ 39,938	\$ 78,772	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Gain/Loss on Sale of Assets		\$ 4,360							
Interest Earned - COP Bonds (not included in subtotal or total)	\$ 268	\$ 223	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal CIP Sources	\$ 196,674	\$ 170,898	\$ 95,000	\$ 155,000	\$ 110,000	\$ 125,000	\$ 140,000	\$ 155,000	\$ 170,000
TOTAL SOURCE OF FUNDS	\$ 8,888,312	\$ 9,911,523	\$ 9,884,000	\$ 9,452,000	\$ 9,955,000	\$ 10,969,000	\$ 12,647,000	\$ 12,783,000	\$ 13,034,000

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 15/16 - Preliminary

Description	Recorded FY 2012-13	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
EXPENSE									
COMPENSATION AND BENEFITS									
Director Fees	\$ 8,280	\$ 8,370	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000
Labor									
Officer Salaries	\$ 139,364	\$ 144,628	\$ 153,000	\$ 142,000	\$ 151,000	\$ 152,000	\$ 154,000	\$ 155,000	\$ 157,000
Administrative Services Labor	\$ 290,254	\$ 312,017	\$ 358,000	\$ 322,000	\$ 363,000	\$ 340,000	\$ 346,000	\$ 351,000	\$ 355,000
Administrative Services Labor - OT	\$ 7,491	\$ 6,127	\$ 8,000	\$ 4,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
Engineering Department Labor	\$ 272,986	\$ 301,033	\$ 427,000	\$ 330,000	\$ 436,000	\$ 440,000	\$ 448,000	\$ 453,000	\$ 457,000
Engineering Department Labor-OT	\$ 2,537	\$ 2,164	\$ 3,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
Plant - Office Labor	\$ 197,971	\$ 219,552	\$ 235,000	\$ 220,000	\$ 236,000	\$ 241,000	\$ 243,000	\$ 245,000	\$ 248,000
Plant - Office Labor-OT	\$ 224	\$ 466	\$ -	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
System Operators Labor	\$ 288,492	\$ 295,911	\$ 322,000	\$ 300,000	\$ 324,000	\$ 327,000	\$ 330,000	\$ 333,000	\$ 337,000
System Operators Labor-OT	\$ 16,124	\$ 24,712	\$ 21,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 25,000	\$ 25,000	\$ 25,000
Utility Workers Labor	\$ 332,102	\$ 294,955	\$ 385,000	\$ 330,000	\$ 389,000	\$ 395,000	\$ 402,000	\$ 409,000	\$ 413,000
Utility Workers Labor-OT	\$ 19,166	\$ 42,065	\$ 29,000	\$ 70,000	\$ 45,000	\$ 46,000	\$ 47,000	\$ 48,000	\$ 49,000
Standby Pay	\$ 44,831	\$ 42,002	\$ 46,000	\$ 46,000	\$ 41,000	\$ 42,000	\$ 42,000	\$ 42,000	\$ 42,000
Auto Allowance	\$ 8,825	\$ 8,700	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000
Labor Transfer to Capital	\$ (118,267)	\$ (128,358)	\$ (150,000)	\$ -	\$ (150,000)	\$ (150,000)	\$ (150,000)	\$ (150,000)	\$ (150,000)
Labor Total	\$ 1,628,647	\$ 1,702,702	\$ 1,854,000	\$ 1,813,500	\$ 1,887,500	\$ 1,885,500	\$ 1,909,500	\$ 1,933,500	\$ 1,955,500
Sick and Vacation - Office	\$ 131,286	\$ 67,986	\$ 132,000	\$ 132,000	\$ 107,000	\$ 132,000	\$ 134,000	\$ 136,000	\$ 137,000
Sick and Vacation - Plant	\$ 87,524	\$ 45,324	\$ 88,000	\$ 88,000	\$ 71,000	\$ 88,000	\$ 89,000	\$ 91,000	\$ 92,000
Taxes - Payroll (Total Employees)	\$ 119,407	\$ 126,904	\$ 133,000	\$ 130,000	\$ 136,000	\$ 136,000	\$ 137,000	\$ 139,000	\$ 140,000
PERS Retirement (Total Employees)	\$ 257,323	\$ 264,073	\$ 290,000	\$ 240,000	\$ 307,000	\$ 328,000	\$ 345,000	\$ 362,000	\$ 380,000
Interest Expense - CalPERS Pension Side Fund	\$ 19,182	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Workers' Compensation - Office	\$ 18,996	\$ 14,131	\$ 14,000	\$ 14,000	\$ 16,000	\$ 15,000	\$ 15,000	\$ 14,000	\$ 12,000
Workers' Compensation - Plant	\$ 83,596	\$ 58,439	\$ 62,000	\$ 60,000	\$ 75,000	\$ 74,000	\$ 76,000	\$ 67,000	\$ 58,000
Health and Dental and Vision - Office	\$ 106,352	\$ 124,616	\$ 131,000	\$ 135,000	\$ 142,000	\$ 145,000	\$ 148,000	\$ 151,000	\$ 154,000
Life & Disability Insurance - Office & Plant	\$ 7,995	\$ 8,374	\$ 9,000	\$ 9,500	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Health and Dental and Vision - Plant	\$ 148,810	\$ 132,108	\$ 143,000	\$ 140,000	\$ 152,000	\$ 155,000	\$ 158,000	\$ 161,000	\$ 165,000
Self Insurance	\$ 11,497	\$ 11,286	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000
Retiree - Health Care Expense	\$ 78,557	\$ 86,345	\$ 92,000	\$ 85,000	\$ 78,000	\$ 80,000	\$ 81,000	\$ 83,000	\$ 84,000
Compensation Total	\$ 1,070,527	\$ 939,586	\$ 1,107,000	\$ 1,046,500	\$ 1,107,000	\$ 1,176,000	\$ 1,206,000	\$ 1,227,000	\$ 1,245,000
TOTAL COMPENSATION AND BENEFITS	\$ 2,699,174	\$ 2,642,288	\$ 2,961,000	\$ 2,860,000	\$ 2,994,500	\$ 3,061,500	\$ 3,115,500	\$ 3,160,500	\$ 3,200,500

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 15/16 - Preliminary

Description	Recorded FY 2012-13	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
PLANT - WATER OPERATION									
Taxes - Property	\$ 11,877	\$ 12,030	\$ 12,000	\$ 12,000	\$ 12,500	\$ 13,000	\$ 13,500	\$ 14,000	\$ 14,500
Glenwood - Plant Maintenance	\$ 11,487	\$ 10,417	\$ 25,000	\$ 25,000	\$ 25,000	\$ 26,000	\$ 26,000	\$ 26,000	\$ 26,000
Glenwood - Landscape	\$ 4,703	\$ 4,716	\$ 7,000	\$ 7,000	\$ 7,500	\$ 7,500	\$ 8,000	\$ 8,500	\$ 9,000
Office Supplies & Misc Expenses - Plant	\$ -	\$ 8,880	\$ 6,000	\$ 7,800	\$ 6,000	\$ 7,000	\$ 7,000	\$ 7,000	\$ 7,000
Glenwood - Utilities	\$ 12,660	\$ 16,329	\$ 15,000	\$ 13,000	\$ 14,000	\$ 16,000	\$ 16,000	\$ 17,000	\$ 17,000
Glenwood - Phone	\$ 23,986	\$ 37,923	\$ 32,000	\$ 32,000	\$ 33,000	\$ 34,000	\$ 35,000	\$ 36,000	\$ 37,000
Glenwood - Cell Phones	\$ 7,274	\$ 8,159	\$ 9,000	\$ 9,000	\$ 9,500	\$ 10,000	\$ 10,500	\$ 11,500	\$ 12,500
Training - Plant	\$ 11,839	\$ 7,010	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,500	\$ 9,000	\$ 9,500	\$ 10,000
Education Reimbursement/Certifications	\$ -	\$ 5,675	\$ 4,000	\$ 6,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000	\$ 4,000
Glenwood - Safety and Security System	\$ 29,820	\$ 25,889	\$ 18,000	\$ 16,000	\$ 19,000	\$ 19,500	\$ 20,000	\$ 20,500	\$ 21,000
Glenwood - Uniforms	\$ 7,704	\$ 9,700	\$ 9,000	\$ 8,200	\$ 8,500	\$ 8,750	\$ 9,250	\$ 9,500	\$ 9,750
Permit & Assessment Fees	\$ 1,174	\$ 1,198	\$ 2,000	\$ -	\$ 1,500	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
Tools and Equipment Maintenance	\$ 24,662	\$ 12,008	\$ 22,000	\$ 22,000	\$ 22,000	\$ 23,000	\$ 24,000	\$ 24,000	\$ 25,000
Nitrate Plant Maintenance	\$ 60,678	\$ 39,189	\$ 75,000	\$ 55,000	\$ 80,000	\$ 85,000	\$ 90,000	\$ 95,000	\$ 96,000
SCADA - Telemetry & Signal	\$ 17,979	\$ 8,241	\$ 12,000	\$ 12,000	\$ 13,500	\$ 15,000	\$ 16,500	\$ 17,500	\$ 18,500
SCADA Hardware	\$ 6,864	\$ 2,861	\$ 6,000	\$ 6,000	\$ 6,000	\$ 9,000	\$ 10,500	\$ 11,500	\$ 12,500
SCADA Software	\$ 6,499	\$ 204	\$ 11,000	\$ 11,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000	\$ 16,000
SCADA - Communications	\$ 1,298	\$ 1,593	\$ 5,000	\$ 2,500	\$ 3,500	\$ 3,500	\$ 4,000	\$ 4,000	\$ 4,000
Lab & Sampling	\$ 67,473	\$ 52,308	\$ 70,000	\$ 95,000	\$ 65,000	\$ 67,000	\$ 69,000	\$ 71,000	\$ 73,000
Chlorine & Treatment	\$ 55,488	\$ 61,361	\$ 70,000	\$ 81,000	\$ 75,000	\$ 77,000	\$ 79,000	\$ 81,000	\$ 83,000
Inventory Shrinkage/(Overage)									
TOTAL PLANT WATER OPERATION	\$ 363,465	\$ 325,691	\$ 418,000	\$ 428,500	\$ 425,500	\$ 448,750	\$ 467,250	\$ 484,500	\$ 497,750

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 15/16 - Preliminary

Description	Recorded FY 2012-13	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
DISTRIBUTION SYSTEM EXPENSES									
Backflow Expense	\$ 927	\$ 389	\$ 1,000	\$ 500	\$ 500	\$ 500	\$ 500	\$ 1,000	\$ 1,000
Pipelines - Maintenance	\$ 34,235	\$ 18,930	\$ 50,000	\$ 70,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 51,000
Pipelines - Paving	\$ 17,518	\$ 12,908	\$ 15,000	\$ 15,000	\$ 16,000	\$ 17,000	\$ 18,000	\$ 19,000	\$ 20,000
Pipelines - Fire Hydrant & Fire Service Repair/Replace	\$ 4,656	\$ 547	\$ 25,000	\$ 9,700	\$ 11,700	\$ 13,700	\$ 15,700	\$ 17,700	\$ 19,700
Pipelines - Leak Detection/Leak Repair	\$ 4,309	\$ 330	\$ 25,000	\$ 2,000	\$ 4,000	\$ 25,000	\$ 5,000	\$ 25,000	\$ 5,000
Pipelines - Trench Plate Rentals	\$ 1,592	\$ 1,229	\$ 1,000	\$ 5,000	\$ 1,500	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
Pipelines - Water Sampling Stations	\$ -	\$ 669	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
Pipelines - Valves	\$ 2,932	\$ -	\$ 15,000	\$ 5,000	\$ 6,000	\$ 7,000	\$ 8,000	\$ 9,000	\$ 10,000
Reservoir - Maintenance	\$ 46,021	\$ 30,917	\$ 75,000	\$ 85,000	\$ 80,000	\$ 83,000	\$ 86,000	\$ 89,000	\$ 92,000
Reservoir - Landscape	\$ 17,598	\$ 19,855	\$ 25,000	\$ 20,000	\$ 25,000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 29,000
Meters - Maintenance	\$ 283,329	\$ 328,235	\$ 275,000	\$ 255,000	\$ 425,000	\$ 215,000	\$ 215,000	\$ 216,000	\$ 217,000
Meters - Paving	\$ 92,116	\$ 337,413	\$ 250,000	\$ 175,000	\$ 315,000	\$ 250,000	\$ 250,000	\$ 255,000	\$ 260,000
Meters - Repair/Replacement/Upgrade	\$ 13,921	\$ 4,948	\$ 20,000	\$ 5,000	\$ 20,000	\$ 21,000	\$ 21,000	\$ 22,000	\$ 23,000
Meters - Lateral Leaks	\$ 58,347	\$ 90,443	\$ 150,000	\$ 75,000	\$ 200,000	\$ 75,000	\$ 60,000	\$ 61,000	\$ 62,000
Meters - Trench Plate Rentals	\$ -	\$ 6,475	\$ 2,000	\$ 5,000	\$ 2,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
Meters - D-jobs	\$ -	\$ 9,710	\$ 7,500	\$ 7,500	\$ 8,000	\$ 8,000	\$ 8,000	\$ 9,000	\$ 9,000
Wells - Maintenance	\$ 19,656	\$ 27,331	\$ 30,000	\$ 35,000	\$ 32,000	\$ 33,000	\$ 34,000	\$ 37,000	\$ 40,000
Wells - Landscape	\$ 13,510	\$ 7,581	\$ 10,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,500
Wells - Rent	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300	\$ 300
Booster Pump - Maintenance	\$ 42,838	\$ 58,700	\$ 65,000	\$ 25,000	\$ 65,000	\$ 70,000	\$ 75,000	\$ 77,000	\$ 79,000
Emergency Generators	\$ 10,947	\$ 11,712	\$ 13,000	\$ 22,000	\$ 22,000	\$ 22,500	\$ 23,000	\$ 23,500	\$ 24,000
Auto/Truck - Maintenance	\$ 46,487	\$ 76,727	\$ 50,000	\$ 65,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 51,000	\$ 52,000
Auto/Truck - Gas	\$ 22,849	\$ 25,875	\$ 27,000	\$ 27,000	\$ 27,500	\$ 28,000	\$ 28,500	\$ 29,000	\$ 29,500
Auto/Truck - Diesel	\$ 15,664	\$ 17,042	\$ 17,500	\$ 17,500	\$ 18,000	\$ 18,500	\$ 19,000	\$ 19,500	\$ 20,000
Inventory Shrinkage/(Overage)		\$ 24,096							
TOTAL DISTRIBUTION SYSTEM EXPENSES	\$ 749,752	\$ 1,112,362	\$ 1,149,800	\$ 933,000	\$ 1,386,000	\$ 1,022,000	\$ 1,002,500	\$ 1,047,500	\$ 1,052,500

Water Budget Table WB-4 - Summary of Water O & M Expenses - FY 15/16 - Preliminary

Description	Recorded FY 2012-13	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
GENERAL AND ADMINISTRATIVE EXPENSES									
General Liability Insurance	\$ 44,394	\$ 46,256	\$ 53,000	\$ 53,000	\$ 53,000	\$ 56,000	\$ 59,000	\$ 62,000	\$ 65,000
Accounting - Audit	\$ 7,428	\$ 15,079	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 14,500	\$ 15,000	\$ 15,500
Legal Consulting Fees	\$ 47,314	\$ 42,935	\$ 42,000	\$ 80,000	\$ 45,000	\$ 46,000	\$ 47,000	\$ 48,000	\$ 49,000
Administrative Consultants	\$ 64,705	\$ 34,711	\$ 120,000	\$ 150,000	\$ 120,000	\$ 130,000	\$ 130,000	\$ 130,000	\$ 100,000
Election Expense	\$ -	\$ 36,751	\$ -	\$ -	\$ 50,000	\$ -	\$ 60,000	\$ -	\$ 70,000
Office Maintenance	\$ 12,390	\$ 10,135	\$ 10,000	\$ 10,000	\$ 15,000	\$ 16,000	\$ 17,000	\$ 18,000	\$ 19,000
Landscape Maintenance - Office	\$ 9,643	\$ 5,129	\$ 5,500	\$ 5,000	\$ 5,500	\$ 6,000	\$ 6,500	\$ 7,000	\$ 7,500
Office Supplies & Misc Expenses - Office	\$ 3,905	\$ 5,459	\$ 5,500	\$ 5,000	\$ 5,500	\$ 5,500	\$ 6,000	\$ 6,000	\$ 6,000
Computer Hardware	\$ 16,431	\$ 21,660	\$ 26,000	\$ 26,000	\$ 27,000	\$ 28,000	\$ 30,000	\$ 31,000	\$ 32,000
Computer Software	\$ 15,368	\$ 18,067	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 41,000	\$ 42,000
Computer Software Maintenance/Licenses	\$ 22,229	\$ 17,551	\$ 20,000	\$ 20,000	\$ 20,000	\$ 21,000	\$ 22,000	\$ 23,000	\$ 24,000
Utilities - Office	\$ 16,383	\$ 17,698	\$ 19,000	\$ 20,500	\$ 20,000	\$ 21,000	\$ 21,000	\$ 21,500	\$ 22,000
Phones and Communications - Office	\$ 34,585	\$ 24,475	\$ 27,000	\$ 27,000	\$ 28,000	\$ 29,000	\$ 30,000	\$ 31,000	\$ 32,000
Cell Phones - Office	\$ 15,284	\$ 15,078	\$ 16,500	\$ 16,500	\$ 17,000	\$ 17,500	\$ 18,000	\$ 18,500	\$ 19,000
Printing, Postage, Stationery, Copier Maint.	\$ 47,394	\$ 41,638	\$ 38,000	\$ 38,000	\$ 38,000	\$ 38,500	\$ 39,000	\$ 39,500	\$ 40,500
Uncollectible Accounts-Water	\$ -	\$ 9,190	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,500	\$ 3,500	\$ 4,000	\$ 4,000
Water System Fees (DHS, RWQCB, LAFCO, Misc)	\$ 36,217	\$ 47,454	\$ 80,000	\$ 53,000	\$ 70,000	\$ 71,000	\$ 72,000	\$ 73,000	\$ 74,000
Engineering Department	\$ 12,356	\$ 10,511	\$ 15,000	\$ 10,500	\$ 11,500	\$ 12,500	\$ 13,500	\$ 14,500	\$ 15,500
Water Conservation	\$ 35,580	\$ 31,208	\$ 60,000	\$ 40,000	\$ 50,000	\$ 51,000	\$ 52,000	\$ 53,000	\$ 54,000
Pipeline/Advertising - Water Conservation	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Turf Rebates - Water Conservation	\$ 13,649	\$ 51,061	\$ 110,000	\$ 110,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Washer & Toilet Rebates - Water Conservation	\$ 5,325	\$ 50	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
Community Outreach	\$ -	\$ -	\$ 15,000	\$ 5,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
Training - Office	\$ 12,006	\$ 5,931	\$ 12,000	\$ 8,000	\$ 8,000	\$ 8,500	\$ 9,000	\$ 9,500	\$ 10,000
Conferences and Seminars - Office	\$ 9,137	\$ 10,260	\$ 12,000	\$ 12,000	\$ 13,000	\$ 14,000	\$ 15,000	\$ 16,000	\$ 17,000
Board of Directors - Conferences and Seminars	\$ 1,685	\$ 3,216	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,200	\$ 2,400
Misc Administration - Office	\$ 4,266	\$ 2,598	\$ 5,000	\$ 10,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 6,000
Board of Directors - Misc Administration	\$ 1,710	\$ 1,286	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500
Membership Renewals/Subscriptions	\$ 21,889	\$ 23,501	\$ 25,000	\$ 30,000	\$ 31,000	\$ 32,000	\$ 33,000	\$ 34,000	\$ 35,000
Interest Expense	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bank Charges	\$ 11,082	\$ 12,818	\$ 12,000	\$ 13,000	\$ 13,500	\$ 14,000	\$ 14,500	\$ 15,000	\$ 15,500
Rental Property	\$ 113	\$ -	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
TOTAL GENERAL AND ADMINISTRATIVE EXPENSES	\$ 523,420	\$ 561,706	\$ 736,000	\$ 825,000	\$ 793,500	\$ 770,500	\$ 849,000	\$ 807,200	\$ 866,400
Emergency Operations	\$ -	\$ -	\$ 3,000	\$ -	\$ 3,000	\$ 3,000	\$ 4,000	\$ 5,000	\$ 5,000
FIRE & DEBRIS RECOVERY	\$ -	\$ -	\$ 3,000	\$ -	\$ 3,000	\$ 3,000	\$ 4,000	\$ 5,000	\$ 5,000
TOTAL EXPENSE	\$ 4,335,811	\$ 4,642,047	\$ 5,267,800	\$ 5,046,500	\$ 5,602,500	\$ 5,305,750	\$ 5,438,250	\$ 5,504,700	\$ 5,622,150
Total O & M Expense (w/o Labor & Benefits)	\$ 1,636,637	\$ 1,999,759	\$ 2,306,800	\$ 2,186,500	\$ 2,608,000	\$ 2,244,250	\$ 2,322,750	\$ 2,344,200	\$ 2,421,650

Water Budget Table WB-5 Water - Purchase Water & Power - FY 15/16 - Preliminary

Description	Recorded FY 2012-13	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
Purchased Water - FWMD (ac-ft)	1,582	1,308	1,900	1,958	1,365	1,080	1,105	1,020	865
Projected FMWD Cost	\$ 2,233,668	\$ 3,150,800	\$ 2,732,149	\$ 2,833,572	\$ 2,219,355	\$ 1,993,255	\$ 2,096,882	\$ 2,055,372	\$ 1,998,771
Purchased Water - GWP (ac-ft)	0	0	0	0	395	540	495	420	465
Projected GWP Cost	\$ -	\$ -	\$ -	\$ -	\$ 177,750	\$ 243,000	\$ 222,750	\$ 189,000	\$ 209,250
Purchased Power Cost	\$ 636,754	\$ 658,340	\$ 678,000	\$ 656,200	\$ 676,000	\$ 696,000	\$ 717,000	\$ 739,000	\$ 761,000
SCE	\$ 261,107	\$ 287,697	\$ 293,962	\$ 260,700	\$ 268,521	\$ 276,577	\$ 284,874	\$ 293,420	\$ 302,223
Glendale	\$ 391,207	\$ 379,783	\$ 389,134	\$ 395,500	\$ 407,365	\$ 419,586	\$ 432,174	\$ 445,139	\$ 458,493
Constellation Credit	\$ (15,561)	\$ (9,141)	\$ (5,000)	\$ (5,000)	\$ -	\$ -	\$ -	\$ -	\$ -
% Increase/Decrease - Import Water	8.7%	41.1%	-5.3%	-10.1%	-21.7%	-10.2%	5.2%	-2.0%	-2.8%
% Increase/Decrease - Power Cost	2.2%	3.4%	3.0%	-0.3%	3.0%	3.0%	3.0%	3.0%	3.0%
Power cost/ac-ft	\$133	\$138	\$151	\$156	\$165	\$166	\$167	\$168	\$169

Water Budget Table WB - 6 Water Capital Outlay & Equipment - FY 15/16 - Preliminary

Description	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
Software (Spring Brook) - Fixed Assets		\$ 11,250	\$ 11,250					
Spring Brook Software - Payroll Module				\$ 18,750				
Spring Brook Software - Work Order Module					\$ 26,250			
Spring Brook Software - Project Management Module						\$ 15,000		
Spring Brook Software - Extend Budget Module							\$ 15,000	
Upgrade SCADA Equipment (SCADA 1A & 1B)	\$ 29,255							
Upgrade Computer Hardware	\$ 14,952	\$ 20,000	\$ 20,000	\$ 52,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
Main Office - Roof		\$ 30,000	\$ -					
Main Office - Seismic Upgrades		\$ 50,000	\$ -					
Main Office - Upgrades				\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Glenwood - Roof								
Misc.		\$ 5,000	\$ 2,000	\$ 4,250	\$ 3,750	\$ 4,000	\$ 4,000	\$ 4,000
CO Total	\$ 45,735	\$ 116,250	\$ 33,250	\$ 85,000	\$ 70,000	\$ 59,000	\$ 59,000	\$ 44,000
Capital - Equipment								
Emergency Generator - 70 kW (Field)		\$ 15,750	\$ -					
Vehicle Replacement - Unit 5	\$ 44,533							
Vehicle Replacement - Unit 7	\$ 25,661							
Vehicle Replacement - Unit 12	\$ 23,245							
Vehicle Replacement - Unit 24 (Includes Valve Turning Equip.)		\$ 68,000	\$ 64,982					
Vehicle Replacement - Unit 13		\$ -	\$ 21,650					
Vehicle Replacement - Annual				\$ 55,000	\$ 55,000	\$ 75,000	\$ 75,000	\$ 75,000
CE Total	\$ 125,936	\$ 83,750	\$ 86,632	\$ 55,000	\$ 55,000	\$ 75,000	\$ 75,000	\$ 75,000
CO & CE - Total	\$ 171,671	\$ 200,000	\$ 119,882	\$ 140,000	\$ 125,000	\$ 134,000	\$ 134,000	\$ 119,000

Water Budget Table WB -7 Water - Capital Improvement Projects - FY 15/16 - Preliminary

Description	Recorded FY 2012-13	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
Water Supply	\$ 221,186	\$ 352,370	\$ 600,000	\$ 570,345	\$ 520,000	\$ 160,000	\$ 550,000	\$ 440,000	\$ 200,000
Water Storage	\$ -	\$ 350,043	\$ -	\$ 88,400	\$ 15,000	\$ 775,000	\$ 310,000	\$ 250,000	\$ 325,000
Water Distribution	\$ 760,964	\$ 641,526	\$ 1,183,000	\$ 794,010	\$ 880,000	\$ 660,000	\$ 975,000	\$ 1,520,000	\$ 1,315,000
Water Treatment	\$ -	\$ -	\$ 43,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Technology	\$ 16,000	\$ 21,847	\$ 174,000	\$ 94,900	\$ 485,000	\$ 330,000	\$ -	\$ -	\$ -
Public Safety/Emergency Response	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 85,000
Facilities & Planning	\$ 14,331	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total CIP	\$ 1,012,481	\$ 1,365,786	\$ 2,000,000	\$ 1,547,655	\$ 2,000,000	\$ 1,925,000	\$ 1,835,000	\$ 2,210,000	\$ 1,975,000

Water Budget Table WB - 8 Water Reserve Targets - FY 15/16 - Preliminary

Description	Recorded FY 2012-13	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
Rate stabilization (a)	\$ 1,715,000	\$ 1,888,000	\$ 1,902,000	\$ 1,775,000	\$ 1,874,000	\$ 2,077,000	\$ 2,284,000	\$ 2,450,000	\$ 2,505,000
Emergency fund (b)	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000
Labor & benefits	\$ 2,699,174	\$ 2,642,288	\$ 2,961,000	\$ 2,860,000	\$ 2,994,500	\$ 3,061,500	\$ 3,115,500	\$ 3,160,500	\$ 3,200,500
Power	\$ 636,754	\$ 658,340	\$ 678,000	\$ 656,200	\$ 676,000	\$ 696,000	\$ 717,000	\$ 739,000	\$ 761,000
Operating expenses	\$ 1,541,048	\$ 1,999,759	\$ 2,306,800	\$ 2,186,500	\$ 2,608,000	\$ 2,244,250	\$ 2,322,750	\$ 2,344,200	\$ 2,421,650
O & M Costs	\$ 4,876,975	\$ 5,300,387	\$ 5,945,800	\$ 5,702,700	\$ 6,278,500	\$ 6,001,750	\$ 6,155,250	\$ 6,243,700	\$ 6,383,150
Working cash (c)	\$ 812,829	\$ 883,398	\$ 990,967	\$ 950,450	\$ 1,046,417	\$ 1,000,292	\$ 1,025,875	\$ 1,040,617	\$ 1,063,858
Total target cash reserves	\$ 3,278,000	\$ 3,521,000	\$ 3,643,000	\$ 3,475,000	\$ 3,670,000	\$ 3,827,000	\$ 4,060,000	\$ 4,241,000	\$ 4,319,000

Note:

- a. Rate stabilization reserves are based on 25 percent of total water commodity sales
- b. Emergency reserves equal \$750,000.
- c. Working cash is based on two months of O&M less purchased water

Water Budget Table WB - 8A MTBE Fund Reserve - FY 15/16 - Preliminary

Description	Recorded FY 2012-13	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
MTBE - Income									
MTBE Settlement	\$ 6,595,233	\$ 6,872,846	\$ 6,837,072	\$ 6,837,072	\$ -	\$ -	\$ -	\$ -	\$ -
MTBE - Interest Income (Included in Table WB-3) ^(a)	\$ -	\$ -	\$ -	\$ 139,431	\$ 138,439	\$ 136,247	\$ 135,255	\$ 134,263	\$ 133,271
Total Income	\$ 6,595,233	\$ 6,872,846	\$ 6,837,072		\$ -	\$ -	\$ -	\$ -	\$ -
MTBE - Expense									
Reimbursement to CVWD General Fund	\$ 3,815,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Lab Expense	\$ 70,533	\$ 62,427	\$ 75,000	\$ 72,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Labor Expense	\$ -	\$ -	\$ -	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000
Administrative Consultant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -
Transfer of PERS Side Fund to Water/Wastewater Fund	\$ 720,992	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expense	\$ 4,607,225	\$ 62,427	\$ 75,000	\$ 84,000	\$ 62,000	\$ 137,000	\$ 62,000	\$ 62,000	\$ 62,000
Increase (Decrease) to Fund	\$ 1,988,008	\$ 6,810,419	\$ 6,762,072	\$ (84,000)	\$ (62,000)	\$ (137,000)	\$ (62,000)	\$ (62,000)	\$ (62,000)
MTBE Reserve Fund									
FY Begin Available MTBE Reserve Funds	\$ 6,595,233	\$ 1,988,008	\$ 1,988,008	\$ 8,798,427	\$ 8,714,427	\$ 8,652,427	\$ 8,515,427	\$ 8,453,427	\$ 8,391,427
FY End Available MTBE Reserve Funds	\$ 1,988,008	\$ 8,798,427	\$ 8,750,080	\$ 8,714,427	\$ 8,652,427	\$ 8,515,427	\$ 8,453,427	\$ 8,391,427	\$ 8,329,427

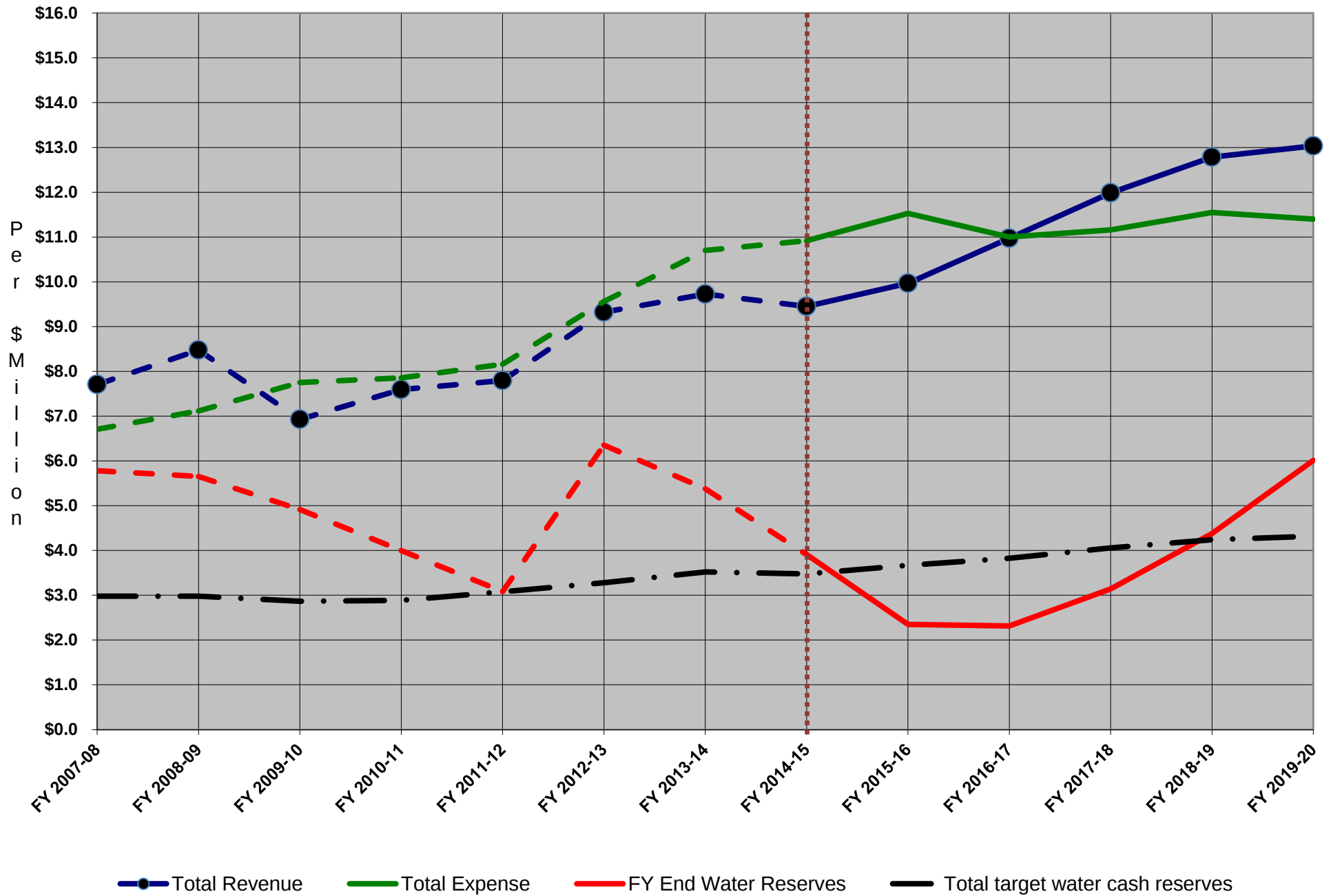
Note:

a. Interest Income based on 1% annual rate of return on investment

Water Budget Table WB-9 - Total Sources - FY 15/16 - Preliminary

FY 15/16 - Preliminary	Recorded FY 2012-13	Recorded FY 2013-14	Budget FY 2014-15	Projected FY 2014-15	Budget FY 2015-16	Forecast FY 2016-17	Forecast FY 2017-18	Forecast FY 2018-19	Forecast FY 2019-20
REVENUE									
Service Readiness Charge Revenue	\$ 1,633,352	\$ 1,731,323	\$ 1,830,000	\$ 1,836,000	\$ 1,988,000	\$ 2,154,000	\$ 2,317,000	\$ 2,431,000	\$ 2,434,000
Metered sales of water (CVWD Costs)	\$ 4,300,707	\$ 4,843,462	\$ 4,869,000	\$ 4,544,000	\$ 5,001,000	\$ 5,753,000	\$ 6,521,000	\$ 7,121,000	\$ 7,283,000
Required metered sales of water (FMWD Costs)	\$ 2,558,664	\$ 2,619,953	\$ 2,738,000	\$ 2,555,000	\$ 2,495,000	\$ 2,555,000	\$ 2,616,000	\$ 2,677,000	\$ 2,738,000
Interest Income - Water Reserves	\$ 76,308	\$ 125,914	\$ 75,000	\$ 100,000	\$ 100,000	\$ 102,000	\$ 104,000	\$ 106,000	\$ 108,000
Interest Income - MTBE Reserves	\$ -	\$ -	\$ 139,000	\$ 125,000	\$ 138,000	\$ 136,000	\$ 135,000	\$ 134,000	\$ 133,000
Source of Funds - Other Sources	\$ 122,607	\$ 170,754	\$ 138,000	\$ 137,000	\$ 136,000	\$ 144,000	\$ 152,000	\$ 159,000	\$ 168,000
Sources of Funds - CIP Sources	\$ 196,674	\$ 170,898	\$ 95,000	\$ 155,000	\$ 110,000	\$ 125,000	\$ 140,000	\$ 155,000	\$ 170,000
Transfer from MTBE Fund for PERS Side Fund	\$ 432,595	\$ 62,427	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL REVENUE	\$ 9,320,907	\$ 9,724,731	\$ 9,884,000	\$ 9,452,000	\$ 9,968,000	\$ 10,969,000	\$ 11,985,000	\$ 12,783,000	\$ 13,034,000
OPERATIONS & MAINTENANCE (O & M) EXPENSE									
Labor & Benefits	\$ 2,699,174	\$ 2,642,288	\$ 2,961,000	\$ 2,860,000	\$ 2,994,500	\$ 3,061,500	\$ 3,115,500	\$ 3,160,500	\$ 3,200,500
Purchased Water (FMWD)	\$ 2,233,668	\$ 3,151,636	\$ 2,732,000	\$ 2,834,000	\$ 2,219,000	\$ 1,993,000	\$ 2,097,000	\$ 2,055,000	\$ 1,999,000
Purchased Water (GWP)	\$ -	\$ -	\$ -	\$ -	\$ 178,000	\$ 243,000	\$ 223,000	\$ 189,000	\$ 209,000
Power	\$ 636,754	\$ 658,340	\$ 678,000	\$ 656,200	\$ 676,000	\$ 696,000	\$ 717,000	\$ 739,000	\$ 761,000
Operating expenses	\$ 1,541,048	\$ 1,999,759	\$ 2,306,800	\$ 2,186,500	\$ 2,608,000	\$ 2,244,250	\$ 2,322,750	\$ 2,344,200	\$ 2,421,650
Total O & M Expense	\$ 7,110,643	\$ 8,452,023	\$ 8,677,800	\$ 8,536,700	\$ 8,675,500	\$ 8,237,750	\$ 8,475,250	\$ 8,487,700	\$ 8,591,150
Debt Service (principal & interest)	\$ 616,038	\$ 612,400	\$ 614,000	\$ 614,000	\$ 614,000	\$ 614,000	\$ 614,000	\$ 614,000	\$ 614,000
Total O & M Expense + Debt Service	\$ 7,726,681	\$ 9,064,423	\$ 9,291,800	\$ 9,150,700	\$ 9,289,500	\$ 8,851,750	\$ 9,089,250	\$ 9,101,700	\$ 9,205,150
Cash Available for Capital - [Revenue - (Total O & M Expense + Debt Service)]	\$ 1,594,227	\$ 660,308	\$ 592,200	\$ 301,300	\$ 678,500	\$ 2,117,250	\$ 2,895,750	\$ 3,681,300	\$ 3,828,850
CAPITAL OUTLAY, LIABILITIES and CAPITAL PROJECTS									
Capital Outlay & Equipment	\$ 287,942	\$ 171,671	\$ 200,000	\$ 119,882	\$ 140,000	\$ 125,000	\$ 134,000	\$ 134,000	\$ 119,000
PERS Side Fund	\$ 432,595	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Future Liability (OPEB)	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Capital Improvements (pay-as-you-go)	\$ 1,012,481	\$ 1,365,786	\$ 2,000,000	\$ 1,547,655	\$ 2,000,000	\$ 1,925,000	\$ 1,835,000	\$ 2,210,000	\$ 1,975,000
Total - Capital Outlay, CIP, CIP Fund & Future Liability	\$ 1,833,018	\$ 1,637,457	\$ 2,300,000	\$ 1,767,537	\$ 2,240,000	\$ 2,150,000	\$ 2,069,000	\$ 2,444,000	\$ 2,194,000
INCREASE (DECREASE) TO CASH	\$ (544,087)	\$ (977,149)	\$ (1,707,800)	\$ (1,466,237)	\$ (1,561,500)	\$ (32,750)	\$ 826,750	\$ 1,237,300	\$ 1,634,850
FY begin available Water Reserves	\$ 3,080,907	\$ 6,352,520	\$ 5,235,907	\$ 5,375,371	\$ 3,909,135	\$ 2,347,635	\$ 2,314,885	\$ 3,141,636	\$ 4,378,936
Recovery of MTBE Costs from Settlement	\$ 3,815,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FY End Water Reserves	\$ 6,352,520	\$ 5,375,371	\$ 3,532,108	\$ 3,909,135	\$ 2,347,635	\$ 2,314,885	\$ 3,141,636	\$ 4,378,936	\$ 6,013,787
TOTAL TARGET WATER CASH RESERVES	\$ 3,278,000	\$ 3,521,000	\$ 3,643,000	\$ 3,475,000	\$ 3,670,000	\$ 3,827,000	\$ 4,060,000	\$ 4,241,000	\$ 4,319,000
Above or (below) Target Reserves	\$ 3,074,520	\$ 1,854,371	\$ (110,892)	\$ 434,135	\$ (1,322,365)	\$ (1,512,115)	\$ (918,364)	\$ 137,936	\$ 1,694,787
Effective date of water rates	7/1/12	7/1/13	7/1/14	7/1/14	7/1/15	7/1/16	7/1/17	7/1/18	7/1/19
Projected Rate Increase for Service Charge	3.1%	5.6%	5.8%	5.8%	8.2%	8.2%	7.4%	4.8%	0.0%
Service rates (\$/month for 3/4" meter)	\$ 16.20	\$ 17.10	\$ 18.10	\$ 18.10	\$ 19.60	\$ 21.20	\$ 22.80	\$ 23.90	\$ 23.90
Projected Rate Increase for Quantity Charge	3.1%	5.6%	5.8%	5.8%	8.2%	8.2%	7.4%	4.8%	0.0%
Quantity Charge: (\$/kgal)	\$ 5.05	\$ 5.33	\$ 5.64	\$ 5.64	\$ 6.10	\$ 6.60	\$ 7.09	\$ 7.43	\$ 7.43
FMWD Quantity Charge: (\$/kgal)	\$ 1.90	\$ 1.90	\$ 2.03	\$ 2.03	\$ 2.03	\$ 2.03	\$ 2.03	\$ 2.03	\$ 2.03
CVWD Quantity Charge: (\$/kgal)	\$ 3.15	\$ 3.43	\$ 3.61	\$ 3.61	\$ 4.07	\$ 4.57	\$ 5.06	\$ 5.40	\$ 5.40

Crescenta Valley Water District Budget - FY 15/16 Preliminary Water Expense vs. Revenue Summary



Capital Improvement Project Program FY 15-16 Prelim - 5-year CIP Budget			Status	Budget FY 14/15	Projected FY 14/15	Budget FY 15/16	Forecast FY 16/17	Forecast FY 17/18	Forecast FY 18/19	Forecast FY 19/20						
1. Water Supply																
A. Groundwater																
i. Well Rehabilitation																
	Well 11 Rehabilitation	Complete	\$	65,000	\$	61,345										
	Well 14 Rehabilitation	Deferred	\$	60,000	\$	-										
	Well 7 Rehabilitation						\$	60,000								
	Well 10 Rehabilitation							\$	75,000							
	Well 14 Rehabilitation							\$	50,000							
	Well 9 Rehabilitation								\$	75,000						
	Well 12 Rehabilitation								\$	75,000						
	Well 15 Rehabilitation								\$	40,000						
	Well 1 Rehabilitation									\$	75,000					
	Well 11 Rehabilitation									\$	75,000					
	Well 14 Rehabilitation									\$	50,000					
ii. New Wells																
	Well 16 - Equipment & Pipeline - Design	Carryover	\$	85,000	\$	81,000	\$	30,000								
	Well 16 - Construction (Grant - Matching Funds)	Carryover	\$	-	\$	135,000	\$	105,000								
iii. Studies																
B. Imported Water																
	CWWD/LADWP Inter. at Ordunio (Grant - Matching Funds)	Carryover	\$	125,000	\$	3,000	\$	125,000								
	Ocean View Piping & Vaults (Grant - Matching Funds)	Complete	\$	210,000	\$	235,000										
	Ocean View Chlorination St (Grant - Matching Funds)				\$	-	\$	85,000								
	Ocean View - Equip. & Elect (Grant - Matching Funds)				\$	-	\$	75,000								
C. Groundwater Basin Recharge																
	Storm Water Recharge Study (Grant - Matching Funds)	Carryover	\$	55,000	\$	55,000	\$	40,000								
	Stormwater Recharge Project - Design						\$	85,000								
	Stormwater Recharge Project - Construction							\$	500,000	\$	250,000					
D. Recycled Water System																
i. Recycled Water																
ii. Membrane Bioreactor Technology																
E. Demand Management																
WS Total			\$	600,000	\$	570,345	\$	520,000	\$	160,000	\$	550,000	\$	440,000	\$	200,000
2. Water Storage																
A. Reservoir Rehabilitation																
i. Roof/Vents Rehabilitation																

Capital Improvement Project Program FY 15-16 Prelim - 5-year CIP Budget			Status	Budget FY 14/15	Projected FY 14/15	Budget FY 15/16	Forecast FY 16/17	Forecast FY 17/18	Forecast FY 18/19	Forecast FY 19/20
Oak Creek #1 - Roof/Air Vents			Deferred				\$ 250,000			
Oak Creek #2 - Roof/Air Vents								\$ 250,000		
Rosemont - Roof/Air Vents									\$ 250,000	
Markridge - Air Vents										\$ 250,000
ii. Steel Reservoir Re-Coating										
iii. Concrete Reservoir Rehabilitation										
Encinal Reservoir - Concrete Rehabilitation							\$ 75,000			
iv. Corrosion Protection										
Cathodic Protection - Replacement								\$ 60,000		
v. Overflow & Drain System Upgrade										
Upgrade Overflow/Drain System - Design			Carryover	\$ -	\$ 18,000	\$ 15,000				
Ocean View Reservoir - AC Pavement			Complete	\$ -	\$ 70,400					
Ocean View Reservoir - Overflow/Drain - Construction				\$ -	\$ -		\$ 450,000			
B. Reservoir Water Quality										
i. Water Mixing System										
Reservoir Water Quality & Mixing System Study										\$ 75,000
iv. Replace common inlet and outlet piping										
C. New Reservoir Water Storage										
WS Total				\$ -	\$ 88,400	\$ 15,000	\$ 775,000	\$ 310,000	\$ 250,000	\$ 325,000
3. Water Distribution										
A. Pipeline Replacement										
2900 Block - Paraiso Way - 800 LF			Complete	\$ 200,000	\$ 180,900					
2900 Block - Santa Carlotta - 800 LF			Complete	\$ 200,000	\$ 180,900					
4900 Block - Glenwood - 600 LF			Complete	\$ 150,000	\$ 145,200					
2800 Block - Prospect - 600 LF			Deferred	\$ 150,000	\$ -					
4400 Block - Glenwood - 200 LF			Deferred	\$ 50,000	\$ -					
2600 Block - Harmony Place - 450 LF						\$ 115,000				
3900 Block - Park Place - 450 LF						\$ 115,000				
2700 Block - Brookhill Avenue - 700 LF						\$ 175,000				
2800 Block - Prospect & 4400 Block - Glenwood - 800 LF						\$ 200,000				
3000 - 3100 Blocks - Brookhill Avenue - 1,650 LF						\$ 430,000				
3200 - 3300 Blocks - Brookhill Avenue - 1,650 LF							\$ 430,000			
2200 Block - Honolulu Ave - 750 LF								\$ 190,000		
4900 Block - El Sereno - 350 LF								\$ 90,000		
2300 Block - Teasley - 700 LF								\$ 175,000		
2800 Block - Los Olivos - 850 LF								\$ 215,000		
2400 Block - Fairmount - 100 LF								\$ 25,000		

Capital Improvement Project Program FY 15-16 Prelim - 5-year CIP Budget		Status	Budget FY 14/15	Projected FY 14/15	Budget FY 15/16	Forecast FY 16/17	Forecast FY 17/18	Forecast FY 18/19	Forecast FY 19/20
4800 Block - Dyer - 400 LF								\$ 100,000	
2400 & 2500 Blocks - Janet Lee - 1300 LF									\$ 340,000
3000 Block - Los Olivos - 800 LF									\$ 210,000
4600 Block - Orin - 200 LF									\$ 55,000
2000 Block - Ahlin - 200 LF									\$ 55,000
4900 Block - Caminito - 300 LF									\$ 80,000
3500 Block - Montrose - 300 LF									\$ 80,000
B. New Pipelines									
C. Booster Pump System									
i. Annual Pump /Motor Replacement									
Eagle Canyon - Booster B		Complete	\$ -	\$ 37,455					
Encinal - Booster A		Complete	\$ 35,000	\$ 24,555					
1 - Boosters					\$ 25,000				
1 - Boosters						\$ 35,000			
2 - Boosters							\$ 70,000		
2 - Boosters								\$ 70,000	
2 - Boosters									\$ 70,000
ii. Pump Station Upgrade									
Mills Plant - Aeration Tower Rehabilitation		Deferred	\$ 35,000	\$ -		\$ 35,000			
Upgrade - Paschal Booster Station inlet piping & valves							\$ 50,000	\$ 255,000	
New Booster Pump Station - Cresta Heights									\$ 75,000
iii. VFD Pump Upgrade									
VFD's & Upgrade at Paschal & Mills						\$ 50,000			
iv. MCC Replacement									
MCC upgrade at Oak Creek		Carryover	\$ 300,000	\$ 225,000	\$ 185,000				
MCC upgrade at Paschal						\$ 75,000	\$ 350,000		
MCC upgrade at Goss Canyon							\$ 75,000	\$ 250,000	
MCC upgrade at Ocean View								\$ 75,000	\$ 350,000
D. Pressure Reducing Stations									
E. Miscellaneous Projects									
i. Water Surge Control									
Rehabilitation Surge Tanks at Glenwood		Deferred	\$ 28,000	\$ -	\$ 65,000				
Rehabilitation Surge Tank at Paschal								\$ 75,000	
ii. Street/Utility/ Meter Adjustment & Upgrade									
iii. Misc.									
Repairs to Ramsdell Mixing Station		Deferred	\$ 35,000	\$ -		\$ 35,000			
WD Total			\$ 1,183,000	\$ 794,010	\$ 880,000	\$ 660,000	\$ 975,000	\$ 1,520,000	\$ 1,315,000

Capital Improvement Project Program FY 15-16 Prelim - 5-year CIP Budget			Status	Budget FY 14/15	Projected FY 14/15	Budget FY 15/16	Forecast FY 16/17	Forecast FY 17/18	Forecast FY 18/19	Forecast FY 19/20
4. Water Treatment										
A. Nitrate Removal										
i. Glenwood										
ii. Mills										
iii. Ordunio										
B. Chlorine Disinfection										
	New Chlorination Station at Markridge Reservoir	Deferred		\$ 43,000	\$ -					\$ 50,000
C. Convert to Chloramines										
WT Total										
				\$ 43,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
5. Technology										
A. Automated Meter Information (AMI) System										
B. Supervisory Control and Data Acquisition (SCADA) System										
	SCADA RTU Replacement (35 sites) - Design	Carryover		\$ 25,000	\$ 19,900	\$ 15,000	\$ 15,000			
	SCADA RTU Replace - Equipment & Integration	Carryover		\$ 149,000	\$ 75,000	\$ 470,000	\$ 315,000			
C. Graphical Information System (GIS)										
TECH Total										
				\$ 174,000	\$ 94,900	\$ 485,000	\$ 330,000	\$ -	\$ -	\$ -
6. Public Safety/Emergency Response										
A. Emergency Electrical Generators										
B. Water Storage										
	Seismic Sensors & Valve Actuators - Duns/Pickens			\$ -	\$ -	\$ 100,000				\$ 85,000
C. Security										
D. Miscellaneous										
SF/ER Total										
				\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 85,000
7. Facilities & Planning										
A. Main Office										
B. Glenwood Plant										
C. Mills Plant										
D. Reservoir Site Improvements										
F & P Total										
				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Improvement Projects - Total										
				\$ 2,000,000	\$ 1,547,655	\$ 2,000,000	\$ 1,925,000	\$ 1,835,000	\$ 2,210,000	\$ 1,975,000

Capital Improvement Project Program FY 15-16 Prelim - Labor		Budget FY 15/16	Labor
1. Water Supply			
A. Groundwater			
i. Well Rehabilitation			
	Well 7 Rehabilitation	\$ 60,000	\$ 8,500
ii. New Wells			
	Well 16 - Construction (Grant - Matching Funds)	\$ 105,000	\$ 22,000
iii. Studies			
B. Imported Water			
	CVWD/LADWP Inter. at Ordunio (Grant - Matching Funds)	\$ 125,000	\$ 12,000
	Ocean View Chlorination St (Grant - Matching Funds)	\$ 85,000	\$ 13,000
	Ocean View - Equip. & Elect (Grant - Matching Funds)	\$ 75,000	\$ 13,000
C. Groundwater Basin Recharge			
	Storm Water Recharge Study (Grant - Matching Funds)	\$ 40,000	\$ 7,500
D. Recycled Water System			
i. Recycled Water			
ii. Membrane Bioreactor Technology			
E. Demand Management			
WS Total		\$ 520,000	\$ 76,000
2. Water Storage			
A. Reservoir Rehabilitation			
v. Overflow & Drain System Upgrade			
	Upgrade Overflow/Drain System - Design	\$ 15,000	\$ 2,000
WS Total		\$ 15,000	\$ 2,000
3. Water Distribution			
A. Pipeline Replacement			
	2600 Block - Harmony Place - 450 LF	\$ 115,000	\$ 9,000
	3900 Block - Park Place - 450 LF	\$ 115,000	\$ 9,000
	2700 Block - Brookhill Avenue - 700 LF	\$ 175,000	\$ 10,000
	2800 Block - Prospect & 4400 Block - Glenwood - 800 LF	\$ 200,000	\$ 10,000
i. Annual Pump /Motor Replacement			
	1 - Boosters	\$ 25,000	\$ 2,000
iv. MCC Replacement			
	MCC upgrade at Oak Creek	\$ 185,000	\$ 14,000
	Rehabilitation Surge Tanks at Glenwood	\$ 65,000	\$ 2,000
WD Total		\$ 880,000	\$ 56,000
4. Water Treatment			
WT Total		\$ -	\$ -
5. Technology			
B. Supervisory Control and Data Acquisition (SCADA) System			
	SCADA RTU Replacement (35 sites) - Design	\$ 15,000	\$ 2,000
	SCADA RTU Replace - Equipment & Integration	\$ 470,000	\$ 9,000
C. Graphical Information System (GIS)			
TECH Total		\$ 485,000	\$ 11,000
6. Public Safety/Emergency Response			
B. Water Storage			
	Seismic Sensors & Valve Actuators - Duns/Pickens	\$ 100,000	\$ 5,000
SF/ER Total		\$ 100,000	\$ 5,000
7. Facilities & Planning			
Capital Improvement Projects - Total		\$ 2,000,000	\$ 150,000
	Budget Amount in Cashflow Model	\$ 2,000,000	\$ 150,000
	Amount over/under Budget	\$ -	\$ -



City of Glendale
Glendale Water & Power
Public Benefit Programs

141 N. Glendale Ave., Level 2
Glendale, CA 91206-4975
Tel 818.548.3300 Fax 818.240.6492
www.glendaleca.gov

INFO

RECEIVED

MAR 06 2015

CRESCENT
WATER DISTRICT

February 27, 2015

Dear Valued Customer,

On July 29, 2014, the City Council adopted a new water rate fee structure effective September 1, 2014. In anticipation of an extended drought in California, the new rate-structure also included an additional fee, or Drought Charge. The Drought Charge is specifically related to drought conditions and would go into effect upon the approval by the City Council of any of the four phases of our mandatory water conservation ordinance.

The purpose of the Drought Charge is two-fold: 1) to keep the utility financially secure should California enter into a prolonged drought period and revenues from consumption declined in response to mandatory conservation, and 2) to encourage water conservation among all customers. The Drought Charge was designed such that customers who meet the curtailment target will likely not experience an increase in their total bill. The table below shows the various Drought Charges by Mandatory Water Conservation Phase and Drought Charge Stage.

Mandatory Conservation Phase	Phase I	Phase II	Phase III	Phase IV	Phase V
Corresponding Drought Rate Stage	Base Assumptions	Stage 1	Stage 2	Stage 3	Stage 4
Drought Charge Per HCF Sold	\$0.00	\$0.75	\$1.30	\$2.02	\$3.03
Curtailment Target	0%	20%	30%	40%	50%

The Drought Charges are to be imposed immediately upon the declaration of Mandatory Water Conservation Phase II, III, IV or V by the City Council, and remain in effect until such time that the Mandatory Conservation Phase is lifted. During that same meeting the City Council implemented Phase II of the Water Conservation Ordinance. This was in response to the State Water Resources Control Board adoption of emergency water conservation regulations.

In an effort to buffer the effect of the water rate increase on Glendale residents, the City Council deemed it appropriate to delay the imposition of any applicable Drought Charge for a period of six months from the effective date of the new water rate fee structure. It is widely believed that the drought will continue through at least November 2015. The six month moratorium on the Drought Charge ends March 1, 2015, and Stage 1 of the Drought Charge takes effect.

We thank you for your water conservation efforts and encourage you to continue to conserve. Enclosed is a brochure with tips and information that will assist you in conserving this precious resource. For more information on water rates and water conservation visit www.GlendaleWaterAndPower.com. Thank you for your understanding.

Sincerely,

Stephen M. Zurn, General Manager

Glendale Water & Power



Increase your water conservation efforts and decrease water consumption.

California is in a drought of epic proportions. In 2013 we set new records for the driest year with the highest temperatures. Reservoirs are still at near-record lows and it will take a lot more than rain and snow to replenish California's water supplies. The Glendale City Council Approved Phase II of the City's Mandatory Water Conservation Ordinance on July 29, 2014. This means residents can only water landscapes three days a week: Tuesdays, Thursdays, and Saturdays for no more than 10 minutes at each watering station. Customers who do not comply will receive a violation warning notice. Repeat violations can result in fines up to \$1,000.00.

To anonymously report water waste call GWP's water waste hotline at (818) 550-4426 or submit an online form at GlendaleWaterAndPower.com



Southern Californians use 1.8 trillion gallons of water each year. If every household conserved just 150 gallons a day, we could replenish some of our water reserves very quickly.

For a translated copy of this brochure please visit www.GlendaleWaterAndPower.com or call 818-548-3300.

Այս բրոշյուրի հայերեն տարբերակը համար
խնդրում ենք այցելել www.GlendaleWaterAndPower.com
կամ զանգահարել 818-548-3300

Para obtener una copia traducida por favor visite:
www.GlendaleWaterAndPower.com o llame al 818-548-3300

본 브로셔의 번역본이 필요하신 분은
www.GlendaleWaterAndPower.com

에서 확인하시거나 818-548-3300 번으로 전화해 주십시오.

*No Water Waste Policy.

Chapter 13.36 of the Glendale Municipal Code contains a section entitled "No Water Waste Policy" that is in effect at all times. Noncompliance with these provisions will be treated as municipal code violations. Violators would be subject to code enforcement which could result in penalties ranging from \$100 - \$500, installation of a flow restrictor, or water shut off.

A summary of the water use restrictions in the "No Water Waste Policy" are:

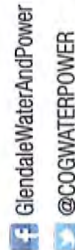
1. No hose washing of paved areas — (we suggest using a broom for cleaning these areas).
2. No over-spray or runoff of water at any time.
3. Decorative fountains must have a water recirculation system.
4. Water leaks must be repaired within 72 hours.
5. Irrigation Times: (a) No irrigation of landscaped areas between the hours of 9:00 a.m. and 6:00 p.m. (b) No irrigation when wind is blowing or when it is raining.
6. Hand washing of commercial and non-commercial privately owned vehicles must be done using a hand-held bucket and quick rinses using a hose with a positive shut-off nozzle.
7. Commercial Car Wash and Laundry: (a) New commercial conveyor car wash and commercial laundry must use re-circulating water system. (b) All commercial conveyor car washes must install re-circulating water systems by July 1, 2014.
8. Construction water will not result in runoff and recycled water is to be used when available.
9. Fire hydrants are to be used only with a permit unless for fire fighting purposes.
10. Dining Establishments (a) Drinking water served only upon request of customer. (b) Must use water conserving pre-rinse spray valves effective January 1, 2010.
11. Dining establishments and lodging establishments required to post water conservation notices.
12. Commercial lodging establishments required to post notices giving guests option of no daily laundry service.
13. Single pass cooling systems prohibited in new buildings or in buildings expanding water service.
14. Process water for business and industrial use shall be recycled to the greatest extent possible.

Mandatory Water Conservation Information

Your guide to conserving water and helping California's water shortage.



Look inside for helpful water conservation tips.



GlendaleWaterAndPower

@COGWATERPOWER

www.GlendaleWaterAndPower.com

REV 2/2015

Saving Water

INDOORS Every drop counts!

Conserving water is easy; it starts with us changing our habits!



TAKE 5 MINUTE SHOWERS:
Educate all family members to do so.

saves 5-10 GALLONS a day per person.



PURCHASE A LOW-FLOW SHOWER-HEAD:
Uses 2-2 1/2 gallons of water per minute.

saves up to 15 GALLONS a day per person.



TURN OFF THE FAUCET WHILE BRUSHING YOUR TEETH OR SHAVING:

saves 5-10 GALLONS per day.



FIX ALL FAUCET LEAKS:

saves 15-20 GALLONS per day.



CHECK YOUR TOILET FOR LEAKS:

Put a few drops of food coloring into the tank, wait thirty minutes. If the food coloring seeps into the bowl you have a leak.

saves 30-500 GALLONS per day.



WASH ONLY FULL LOADS IN THE WASHING MACHINE:

Reduce your laundry load by one load per week.

saves 30 GALLONS per load.



WASH ONLY FULL LOADS IN THE DISH WASHER:

Reduce your dishwasher load by one load per week.

saves 15 GALLONS per load.



CAPTURE THE TAP WATER:

While you wait for the water to get hot in the shower or sink, catch the flow in a bucket or bowl. Use this water on your house plants or in your garden.

saves 200-300 GALLONS each month.



AVOID TAKING BATHS:

If you must, fill your bathtub only halfway: a full bath tub uses 36 gallons of water.

saves 18 GALLONS per person.



REPLACE FIXTURES:

If the fixtures in your home were installed before 1992, there's a good chance you could save water by replacing them.

Saving Water

OUTDOORS Less is more.

60% of the water your household uses is for landscaping.



CHECK YOUR IRRIGATION SYSTEM:

Repair leaks, replace damaged sprinkler heads, and adjust sprinklers to avoid overspray.

saves 500 GALLONS per month.



DO NOT HOSE DOWN DRIVEWAYS, PATIOS, STAIRS OR WALKWAYS:

Use a broom or blower instead.

saves 150 GALLONS each time.



DON'T LEAVE THE HOSE RUNNING WHILE WASHING YOUR CAR:

Use a nozzle with an automatic shut off and a sponge and pail of soapy water.

saves 10 GALLONS per day.



PUT A LAYER OF MULCH AROUND TREES AND PLANTS:

2-3 inches of mulch will help hold the moisture in the ground and cool the root systems. Leave a six inch space between mulch and plant.

saves 750 GALLONS per month.



SET YOUR LAWN MOWER BLADES HIGHER:

Set blade heights at 2 or 3 inches. Longer grass blades will reduce evaporation and shade the roots.

saves 500 GALLONS per month.



STEP ON YOUR GRASS AND SEE IF IT SPRINGS BACK WHEN YOU LIFT YOUR FOOT:

If the grass springs back, no need to water today.

saves 750-1500 GALLONS per month.



USE A POOL COVER FOR YOUR SWIMMING POOL:

This can reduce evaporation.

saves 30 GALLONS per day.



INSTALL A DRIP IRRIGATION SYSTEM:

A low-volume water irrigation system uses less water.

saves over 250 GALLONS a month.



WATER YOUR LANDSCAPES THREE DAYS A WEEK:

Water for no more than 10 minutes at each watering station.

Sun	Mon	Tues	Wed	Thur	Fri	Sat



WATER BEFORE 9:00 A.M. AND AFTER 6:00 P.M. *:

Water for no more than 10 minutes at each watering station.



IF RAIN IS IN THE FORECAST:

Turn off sprinklers two days before the rain and keep them turned off two days after.



IN THE WINTER:

Water your landscapes only one day a week.



The average Californian uses 196 gallons of water per day. Reduce your use by 20% or 38 gallons a day.

Retrofitting your garden with CA Friendly plants is one of the best ways to reduce water use in your landscape.

- Check out Glendalewaterwisegardening.com to see real pictures of local water wise gardens and find listings of popular low-water use plants.
- Sign-up for our free landscape classes and learn how to plant with California Friendly plants. Check up-coming classes at GlendaleWaterAndPower.com or call (818) 548-4828.

For additional water saving tips, check:

www.GlendaleWaterAndPower.com,

www.bewaterwise.com & www.saveourh2o.org



The Metropolitan Water District of Southern California

NEWS RELEASE

P. O. Box 54153, Los Angeles, California 90054-0153 • (213) 217-6485 • www.mwdh2o.com

Contacts: Bob Muir, (213) 217-6930; (213) 324-5213, mobile
Sherita Coffelt, (213) 217-6450; (214) 477-6999, mobile

March 10, 2015

METROPOLITAN BOARD ACTS TO CONTINUE DELIVERING WATER-SAVING MESSAGE IN FOURTH DROUGHT YEAR

**Board also authorizes up to \$71 million to
secure additional supplies via water market**

In what is shaping up as a fourth straight drought year in California, Metropolitan Water District's Board of Directors today selected a Los Angeles-based advertising firm to continue to aggressively promote region-wide conservation in 2015 and maintain water reserves for future years.

The board awarded Quigley-Simpson & Heppelwhite, Inc. a \$5.5 million contract to work with Metropolitan in developing a comprehensive, culturally diverse, multimedia advertising and outreach campaign that carries the district's urgent call for Southern Californians to continue reducing their water use.

In another water management development, the board voted to enter the water market and bolster the region's available supplies by authorizing up to \$71 million to secure up to 100,000 acre-feet of additional supplies through one-year water transfers with Sacramento Valley water districts. (An acre-foot of water is nearly 326,000 gallons, about the amount used by two typical Southland households in a year.)

"Today's actions position us to better withstand and respond to continuing drought conditions," said Metropolitan board Chairman Randy Record. "A successful education and advertising campaign will further motivate Southland consumers and businesses to conserve even more water and eliminate wasteful practices. The water transfers will augment regional supplies to meet demands this year."

Metropolitan's expected deliveries from Northern California through the State Water Project are currently projected at 20 percent. The SWP typically provides about a third of the Southland's water. Meanwhile, storage in the district's other supply source—the Colorado River—stands at less than 50 percent of capacity after 15 drought years in the Southwest.

more

Metropolitan will work with Quigley-Simpson & Heppelwhite in coming months to craft a multilingual, multi-ethnic and multi-generational advertising campaign highlighting the need for water savings. The campaign, to be coordinated with Metropolitan's 26 member public agencies, will encourage consumers and businesses to make water conservation and water awareness a permanent part of the Southern California lifestyle.

General Manager Jeffrey Kightlinger said the campaign will supplement Metropolitan's ongoing conservation programs, including the \$100 million in rebates for water-saving appliances and landscape improvements approved by the board since Gov. Jerry Brown's emergency drought declaration last year.

"While the ad campaign will press the need for heightened water conservation this summer when water use is highest, our outreach efforts need to be adaptable to changing climate and water supply conditions as they play out through the year," Kightlinger said.

"Even if wetter conditions prevail in coming months, low reservoir levels on the State Water Project, the Colorado River and in Southern California underscore the need to continue prudent use of our remaining supplies," he added.

Metropolitan's board is scheduled to decide next month whether it will need to restrict deliveries to its member agencies through its allocation plan based on an update of weather and supply conditions.

The water transfers authorized by the board will provide additional supplies that complement conserving water locally to help maintain critical water reserves, Kightlinger said.

###

The Metropolitan Water District of Southern California is a cooperative of 26 cities and water agencies serving nearly 19 million people in six counties. The district imports water from the Colorado River and Northern California to supplement local supplies, and helps its members to develop increased water conservation, recycling, storage and other resource-management programs.

**CRESCENTA VALLEY WATER DISTRICT
INVESTMENT PORTFOLIO SUMMARY**
March 13, 2015

INVESTMENT TYPE	ACCT/CUSIP ID. NO.	PURCHASE DATE	FACE VALUE	BOOK VALUE	INVESTMENT COST	% OF TOTAL	**MARKET VALUE	MATURITY DATE	DATE CALLABLE	EARNED TO DATE	YIELD TO MATURITY
GENERAL FUNDS											
GENERAL FUND-SWEEP ACCOUNT	0631-525246		\$ (385,549)	\$ (385,549)	\$ (385,549)	-2.01%	\$ (385,549)	none	n/a	\$ 171	0.02%
GREAT PACIFIC SECURITIES	GPC-804452		\$ 1,384,640	\$ 1,384,640	\$ 1,384,640	7.21%	\$ 1,384,640	none	n/a	\$ 17	0.02%
BOND DEBT SERVICE FUND	6948-331525		\$ 3,14,437	\$ 3,14,437	\$ 3,14,437	1.64%	\$ 3,14,437	none	n/a	\$ 147	0.15%
LOCAL AGENCY INVESTMENT FUND	90-19-007		\$ 1,745,325	\$ 1,745,325	\$ 1,745,325	9.08%	\$ 1,745,325	none	n/a	\$ 4,212	0.25% Dec 14
FEDERAL FARM CREDIT (78)	3133EAYZ1	7/17/2012	\$ 500,000	\$ 500,000	\$ 500,000	2.60%	\$ 495,065	7/24/2020	10/24/2012	\$ 6,125	1.84%
FEDERAL FARM CREDIT (81)	3133EAYP7	9/11/2012	\$ 1,000,000	\$ 1,005,220	\$ 1,005,220	5.23%	\$ 979,840	7/19/2022	n/a	\$ 12,982	1.95%
FEDERAL FARM CREDIT (83)	3133EAY28	10/9/2012	\$ 500,000	\$ 502,885	\$ 502,885	2.62%	\$ 504,010	9/12/2017	n/a	\$ 2,763	0.71%
FEDERAL FARM CREDIT (86)	3133ECAL5	11/15/2012	\$ 1,000,000	\$ 1,002,300	\$ 1,002,300	5.22%	\$ 982,320	11/23/2021	n/a	\$ 10,719	1.56%
FEDERAL FARM CREDIT (87)	3133EC4Y7	11/19/2012	\$ 500,000	\$ 500,000	\$ 500,000	2.60%	\$ 498,785	11/27/2017	n/a	\$ 3,096	0.93%
FEDERAL FARM CREDIT (96)	3133EENM8	2/2/2015	\$ 1,000,000	\$ 1,001,790	\$ 1,001,790	5.21%	\$ 968,726	2/6/2025	n/a	\$ 1,539	2.14%
FEDERAL FARM CREDIT (97)	3133EENM8	2/9/2015	\$ 1,270,000	\$ 1,245,289	\$ 1,245,289	6.48%	\$ 1,232,924	2/6/2025	n/a	\$ 1,428	2.38%
			\$ 8,828,853	\$ 8,816,337	\$ 8,816,337		\$ 8,720,523			\$ 60,842	
CONSTRUCTION FUNDS											
CONSTRUCTION CASH FUNDS	412-1575005		\$ -	\$ -	\$ -	0.00%	\$ -	none	n/a	\$ 19	0.02%
COPS RESERVE FUND	108614000		\$ 617,124	\$ 617,124	\$ 617,124	3.21%	\$ 617,367	none	n/a	\$ 116	0.02%
			\$ 617,124	\$ 617,124	\$ 617,124		\$ 617,367			\$ 135	
MTBE CONTINGENCY FUNDS											
LOCAL AGENCY INVESTMENT FUND	90-19-007		\$ 2,694,779	\$ 2,694,779	\$ 2,694,779	14.03%	\$ 2,694,779	none	n/a	\$ 450	0.25% Dec 14
GREAT PACIFIC SECURITIES	GPC-003670		\$ 3,340,521	\$ 3,340,521	\$ 3,340,521	17.39%	\$ 3,340,521	none	n/a	\$ -	0.02%
FEDERAL FARM CREDIT (M-35)	3133EDWY6	2/3/2015	\$ 800,000	\$ 849,960	\$ 849,960	4.42%	\$ 829,984	10/7/2024	n/a	\$ 1,466	2.19%
US TREASURY (M-36)	912828J27	2/6/2015	\$ 1,000,000	\$ 989,106	\$ 989,106	5.15%	\$ 999,840	2/15/2025	n/a	\$ 1,145	1.85%
FEDERAL FARM CREDIT (M-37) NEW	3133ECKU7	2/17/2015	\$ 825,000	\$ 823,995	\$ 823,995	4.29%	\$ 825,330	4/12/2020	n/a	\$ 536	1.76%
US TREASURY (M-38) NEW	912828J27	3/10/2015	\$ 1,000,000	\$ 991,073	\$ 991,073	5.16%	\$ 991,073	2/15/2025	n/a	\$ -	2.10%
			\$ -	\$ -	\$ -	0.00%	\$ -			\$ -	0.00%
			\$ -	\$ -	\$ -	0.00%	\$ -			\$ -	0.00%
			\$ -	\$ -	\$ -	0.00%	\$ -			\$ -	0.00%
			\$ 9,670,300	\$ 9,689,434	\$ 9,689,434		\$ 9,681,527			\$ 3,597	
TOTAL INVESTMENTS											
CASH-PAYROLL ACCOUNT	0948-024724		\$ 19,116,278	\$ 19,122,896	\$ 19,122,896	0.46%	\$ 19,019,418			\$ 64,574	
			\$ 88,497	\$ 88,497	\$ 88,497		\$ 88,497			\$ -	
TOTAL CASH AND INVESTMENTS											
			\$ 19,204,775	\$ 19,211,393	\$ 19,211,393	100%	\$ 19,107,915			\$ 64,574	1.13%
							\$ (103,721)				

***Unrealized Gain/(Loss) on Investments

I certify that this report accurately reflects all pooled investments and is in compliance with California Government Code Sections 5922 & 53601 as amended on 1/1/97; are currently in conformity with the investment policy as stated in Resolution No. 722 adopted on December 9, 2014. As Treasurer of the Crescenta Valley Water District, I, Ron L. Mitchell hereby certify that sufficient investment liquidity and anticipated revenues are available to meet one year of estimated expenditures for the operations of Crescenta Valley Water District.

*Value at investment maturity date.

**Portfolio positions per Great Pacific Security Corp., Bloomberg CMO Analytical Report and Actual.

***Reported in compliance with GASB Standard No. 31, effective July 1, 1997, the "fair value" adjustment necessary between cost and market value.

Balance as of October 31, 2014
Water \$ 5,150,872.10
Wastewater \$14,047,327.09
Total Funds \$19,198,199.19

Ron L. Mitchell, Secretary-Treasurer, CWWD

Date March 13, 2015

SEAL

Yield on Investments including LAIF but not cash accounts 1.54%
Yield on Investments not including LAIF or cash accounts 1.69%

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

March 17, 2015
Staff Report

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – District Engineer
Subject: District Engineer – Staff Report

1. Water Production Report

- March 1 – 11 – Water Production – 58%/ 42% split – 32.8 MG for the month
Average use – 3.2% less than 2014 and 5.8% less than 5-yr average

2. Rainfall Update

- 0.76" for March 2015
- Rainfall total for Rainfall Year 2014/15 – 9.38"

3. Report on Engineering

- **CIP Projects**

- o Ocean View Chlorination Project
 - Building – Bid due April 1, 2015
 - Equipment – Under Design
- o Oak Creek MCC –
 - Construction to start – March 16, 2015
 - MCC to be delivered by middle of July 2015

- **Crescenta Valley County Park - Local Groundwater Assistance Grant**

- o Monitoring Wells
 - MW-1 – 60 feet to Bedrock - Complete
 - MW-2 – 130 feet to Bedrock – Complete

- **Well 16 – Prop. 84 – Drought Relief Grant**

- o Design
 - Finalizing quotes for MCC, Pre-Fab Building & Pump & Motor Assembly
 - Finalizing plans and specifications for on-site work
 - Advertising for bids for 8-inch water transmission main
- o Waiting on Agreement with LAFCD

- **Ocean View Overflow/Drain Line**

- o No Report

- **FMWD Issues**

- o No Report

- **ULARA**

- o No Report

- **La Canada Flintridge – Water Committee**

- o Meeting on March 12, 2015

- **As-Needed Consulting Services**

- o DMc Engineering - Water Service Laterals – Design – 50% complete
- o SA Associates - Recycled Water Feasibility Study – 35% complete
- o GEI Consulting - Surge Tank – Working on agreement

- **Water Meter Replacement Program**
 - o FY 14/15 Water Meter Replacement Program – Replaced 545 meters to date
 - o Staff reviewing water meter replacement program

4. **Report on Administrative and Field Operations**

- **Wells - Status**
 - o Well production capacity remained steady at 2.5 MGD
- **Booster Pumps**
 - o No Report
- **Water Quality**
 - o No Report
- **Reservoirs/Booster Stations**
 - o Installation of storage bin at Edmond #1 for CV Ready - Complete

5. **Field Maintenance & Operations – March 1 – 13, 2015**

- o **Water lateral leaks & repairs**
 - o No Report
- o **Water Main Leaks**
 - o No Report
- o **Fire Hydrant Replacement**
 - o 2300 Block of Carlo Park Place
- o **Sewer Maintenance**
 - o 5100 block of Pennsylvania
 - o 3000 blocks of Stevens, Alabama, Paraiso Way & Santa Carlotta
 - o 3100 blocks of Stevens, Alabama & Los Olivos
 - o 2800 blocks of Alta Terrace & Harmony

CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

March 1 - March 11, 2015

Well Production:	18,619,368	Gals		
Gravity Production:	470,000	Gals	% GW	58%
Purchased Water:				
FMWD:	13,705,125	Gals		
City of Glendale:	0	Gals	% Import	42%
TOTAL:	32,794,493	Gals		
	100.64	ac-ft		
Glenwood Nitrate Water				
Reclamation Plant:*	3,657,096		*Included in Well Production	

WATER DEMAND COMPARISON

	Average Daily Usage (gals)	Current Period Change	Average Daily Usage (gals)	Phase 1 Change
March 1, 2015 - March 11, 2015	2,981,318			
March 1, 2014 - March 11, 2014	3,080,236	-3.2%		
5-yr Average - March 2010 - 2014	3,163,313	-5.8%		
PHASE I CONSERVATION				
May 1, 2014 through March 11, 2015			3,885,007	
BASELINE CONSERVATION				
May 1, 2001 through March 11, 2002			5,294,139	-26.6%

RAINFALL: March 1 - March 11, 2015

0.76"

Season-To-Date:

9.38"

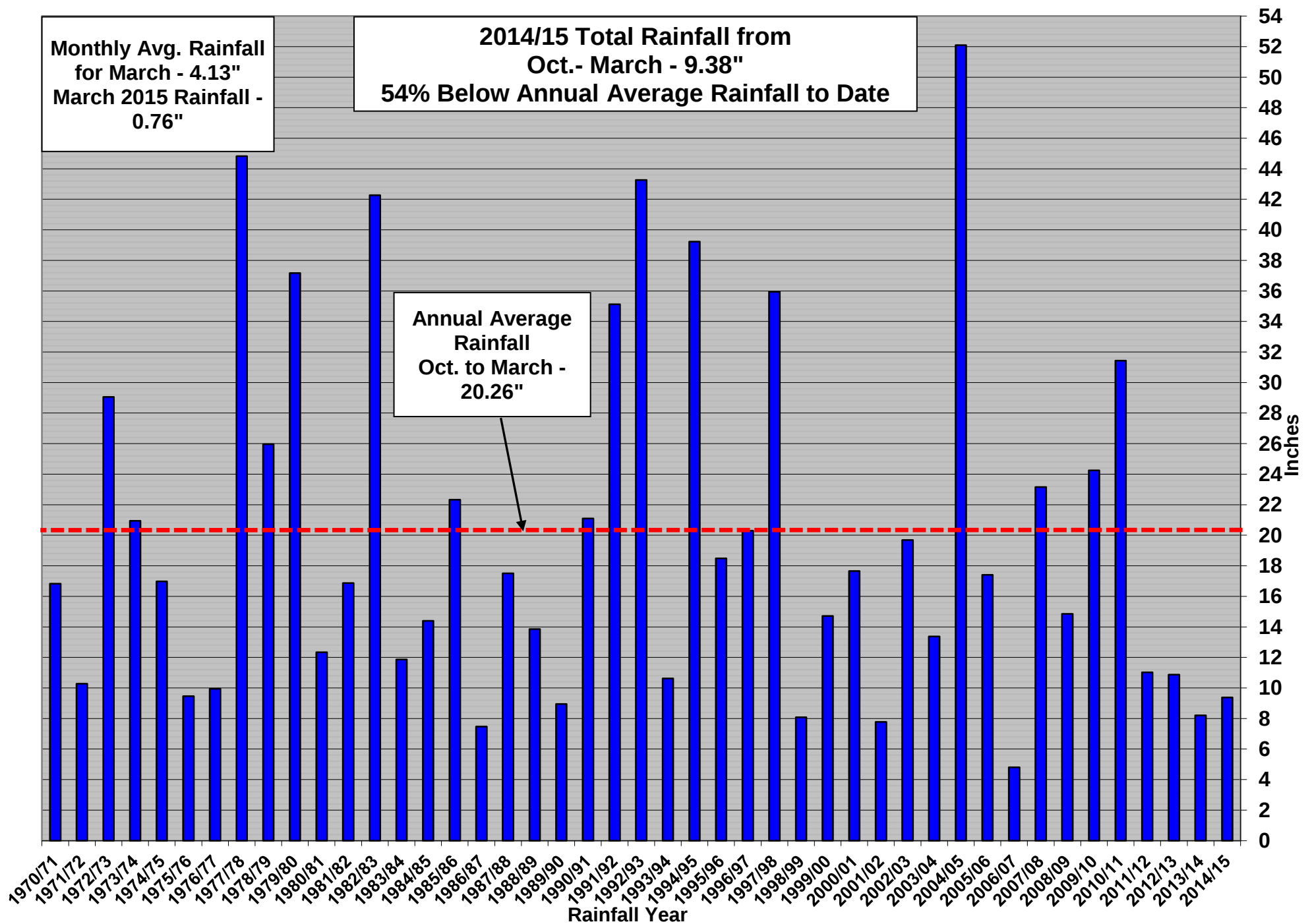
2014/15 Fiscal Year Water Production			Groundwater Production Water Rights		Purchased Water Production Tier 2 Allocation		Purchased Water Water Supply Allocation Plan	
Month	Actual Total Water Production (ac-ft)	Projected Total Water Production (ac-ft)	Month	Well Production (ac-ft)	Month	Imported Water Production (ac-ft)	Month	Imported Water Production (ac-ft)
July	426	450	October	212	January	127	January	127
August	406	460	November	191	February	119	February	119
September	401	430	December	159	March*	116	March*	116
October	386	410	January	175	April		April	
November	318	330	February	147	May		May	
December	255	310	March*	146	June		June	
January	303	300	April		July		July	
February	267	300	May		August		August	
March*	262	355	June		September		September	
April	360	360	July		October		October	
May	385	385	August		November		November	
June	410	410	September		December		December	
Total to Date	3,024	3,345	Total to Date	1,030	Total to Date	362	Total to Date	362
Projected	4,179	4,500	Water Rights	3,294	Tier 2	2,154	WSAP	1,968
% of Projected	67.2%	74.3%	% of Rights	31%	% of Allocation	17%	% of Allocation	18%
Remaining	1,476	1,155	Remaining	2,264	Remaining	1,792	Remaining	1,606

NOTE:

Blue Numbers - Estimate Total Water Production

*Estimate for March 2015

Monthly Rainfall - 1970/71 - 2014/15 (Oct.- March)



CRESCENTA VALLEY WATER DISTRICT

INSTALLATION OF STORAGE BIN FOR CV READY AT EDMUND #1 RESERVOIR SITE



Edmund #1 Site – Before Storage Bin



Edmund #1 Site – Grading & Filling with Base Material



Edmund #1 Site – Unloading Base Material



Edmund #1 Site – Compacting Base Material for Level Pad



Edmund #1 Site – Compacting Base Material for Level Pad



Edmund #1 Site – Delivery of Storage Bin



Edmund #1 Site – Storage Bin in Place



Edmund #1 Site – Storage Bin in Place