

Notice and Agenda of a Board Workshop

Tuesday, March 8, 2016 at 4:00 p.m.

MEETING LOCATION:	District Administration Building 12770 Second Street, Yucaipa
MEMBERS OF THE BOARD:	Director Ken Munoz, Division 1 Director Bruce Granlund, Division 2 Director Jay Bogh, Division 3 Director Lonni Granlund, Division 4 Director Tom Shalhoub, Division 5

I. Call to Order

II. Public Comments At this time, members of the public may address the Board of Directors on matters within its jurisdiction; however, no action or significant discussion may take place on any item not on the meeting agenda.

III. Staff Report

IV. Presentations

A. Overview of the California Drought and Yucaipa Valley Water District's Action Plan Related to the State Water Resources Control Board Mandatory Restrictions to Achieve a 36% Reduction in Potable Urban Water Use [Workshop Memorandum No. 16-048 - Page 5 of 235]

V. Operational Updates

- A. Review of Updated Standard Specifications for Drinking Water, Recycled Water, and Sewer Facilities [Workshop Memorandum No. 16-049 Page 23 of 235]
- B. Operational Update of the Recycled Water Filling Station for Customers of the Yucaipa Valley Water District [Workshop Memorandum No. 16-050 Page 156 of 235]
- C. Purchase of Inland Empire Brineline Pipeline and Treatment Capacity from the San Bernardino Valley Municipal Water District [Workshop Memorandum No. 16-051 Page 158 of 235]

VI. Capital Improvement Projects

A. Status Report on the Construction of a 6.0 Million Gallon Drinking Water Reservoir R-12.4
 - Calimesa [Workshop Memorandum No. 16-052 - Page 162 of 235]

Any person with a disability who requires accommodation in order to participate in this meeting should telephone Erin Anton at (909) 797-5117, at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation.

Materials related to an item on this agenda submitted to the Board of Directors after distribution of the workshop packet are available for public inspection during normal business hours at the District office located at 12770 Second Street, Yucaipa. Meeting material is also be available on the District's website at <u>www.yvwd.dst.ca.us</u>

B. Status Report on the Digester Cleaning and Cover Replacement Project at the Wochholz Regional Water Recycling Facility [Workshop Memorandum No. 16-053 - Page 165 of 235]

VII. Policy Issues

- A. Consideration of Policies Regarding Procurement Methodologies and Emergency Procedures [Workshop Memorandum No. 16-054 - Page 170 of 235]
- B. Consideration of Policies Regarding Long-Term Implementation Plans Related to Smart Manhole Covers and Skydrop Irrigation Controllers [Workshop Memorandum No. 16-055 - Page 173 of 235]
- C. Consideration of Policies Regarding the Purchase of Supplemental Water Supplies for the Yucaipa Valley Water District [Workshop Memorandum No. 16-056 - Page 174 of 235]

VIII. Development Related

A. Development Agreement No. 2016-03 to Provide Sewer Facilities and Service to the Private Development of Tract Map 36818, MBTK Homes, LLC (Assessor's Parcel Numbers 411-150-012, 411-160-006 and 411-160-032) [Workshop Memorandum No. 16-057 - Page 177 of 235]

IX. Administrative Issues

- A. Review of the Unaudited Financial Report for the Period Ending on February 29, 2016 [Workshop Memorandum No. 16-058 - Page 195 of 235]
- X. Director Comments
- XI. Adjournment

Staff Report



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Presentations



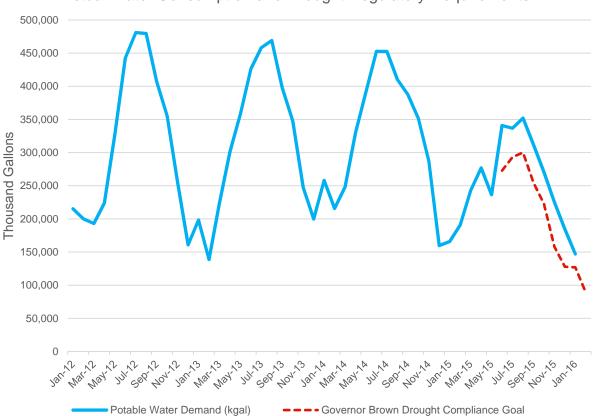
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Date: March 8, 2016

Subject: Overview of the California Drought and Yucaipa Valley Water District's Action Plan Related to the State Water Resources Control Board Mandatory Restrictions to Achieve a 36% Reduction in Potable Urban Water Use

On May 5, 2015, the State Water Resources Control Board ("SWRCB") adopted emergency regulations to achieve a 25% statewide reduction in potable urban water use. These stringent water use regulations will require the Yucaipa Valley Water District to achieve a 36% reduction from the amount of drinking water produced in 2013. In order to achieve this level of water conservation, the Yucaipa Valley Water District will need to provide water based on the following water demand curve.



Actual Water Consumption and Drought Regulatory Requirements

The chart above illustrates the difference between Governor Brown's Drought Compliance Goal in 2014 at a 25% reduction, and in 2015 at a 36% reduction in potable water use based on the 2013 baseline period.

To achieve Governor Brown's Drought Compliance Goal of a 36% reduction in potable water use from the 2013 baseline period, the Yucaipa Valley Water District has initiated numerous drought conservation programs and conducted a series of monthly community workshops to provide information to our customers.

On February 2, 2016, the State Water Resources Control Board extended the water conservation regulations. While a great deal of press attention has been focusing on the relief provided by the State Water Resources Control Board, the following facts were developed prior to the adoption of the extended conservation regulations:

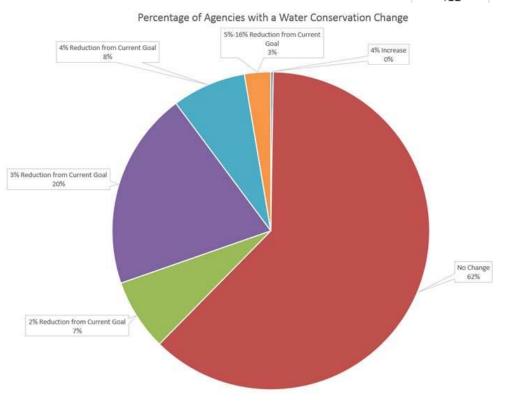
- Based on the proposed amended water conservation regulations, the statewide water conservation goal for the 412 regulated water agencies will change from an average of 24.7% to an average of 23.4%, or a combined overall reduction in water conservation of 1.3% statewide.
- The City of Redlands, Yucaipa Valley Water District and Beaumont Cherry Valley Water District will all remain at a 36% water conservation requirement with the proposed regulations.
 - The neighboring agencies of City of Banning, East Valley Water District, Eastern Municipal Water District, and City of San Bernardino are required to meet a water conservation requirement of 28%.
 - Mutual water companies 0 3.000 with less than service connections within the boundaries of the City Redlands. Yucaipa of Valley Water District and Beaumont Cherry Valley Water District are required to meet water а conservation requirement of 25%.
- The original emergency water conservation regulations required 67 water agencies statewide to meet a 36% water conservation reduction. The proposed water

SWRCB Required Water Conservation Goal	Original Conservation Standard (Released 7/17/15)	DRAFT Adjusted Conservation Standard
Required 36% Reduction	67	25
Required 34% Reduction	0	8
Required 33% Reduction	0	25
Required 32% Reduction	62	28
Required 30% Reduction	0	10
Required 29% Reduction	0	18
Required 28% Reduction	81	52
Required 26% Reduction	0	10
Required 25% Reduction	1	23
Required 24% Reduction	45	36
Required 22% Reduction	0	1
Required 21% Reduction	0	11
Required 20% Reduction	61	58
Required 18% Reduction	0	2
Required 17% Reduction	0	5
Required 16% Reduction	42	40
Required 13% Reduction	0	5
Required 12% Reduction	22	24
Required 10% Reduction	0	1
Required 8% Reduction	27	26
Required 4% Reduction	4	4
	412	412

conservation regulations will require only 25 water agencies statewide to meet a 36% reduction. The City of Redlands, Yucaipa Valley Water District and Beaumont Cherry Valley Water District are the three local water agencies that are still required to meet the 36% water conservation reduction.

- There are 412 water agencies that are directly impacted by the State Water Resources Control Board Emergency Water Conservation Regulations. Based on the proposed changes,
 - One water agency (City of Seal Beach) will experience an increase by 4% from their current water conservation goal of 8%;
 - The vast majority of water agencies (256 agencies, or 62.1%) will see no change to their water conservation regulations. This includes the City of Redlands and the Yucaipa Valley Water District, so both will remain at a 36% water conservation goal;
 - Thirty water agencies (or 7.3%) will see a 2% reduction in their water conservation regulations;
 Number of Percentage
 - Eighty three water agencies (or 20.1%) will see a 3% reduction in their water conservation regulations;
- The distribution of changes to water agencies is shown below:

	Number of	Percentage
Proposed Change by SWRCB	Agencies	of Agencies
Proposed change by Switch	that will See	with a Water
	a Change in	Conservatio
4% Increase	1	0.2%
No Change	256	62.1%
2% Reduction from Current Goal	30	7.3%
3% Reduction from Current Goal	83	20.1%
4% Reduction from Current Goal	31	7.5%
5%-16% Reduction from Current Goal	11	2.7%
	412	

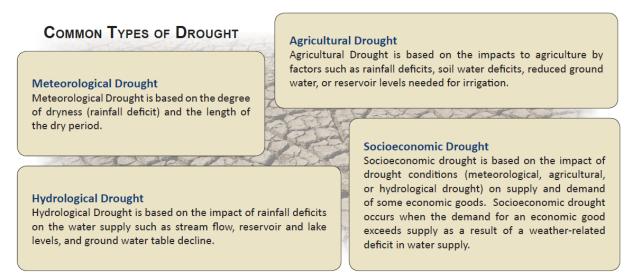


The purpose of this agenda item is to discuss the ongoing and evolving implementation strategy for our community.

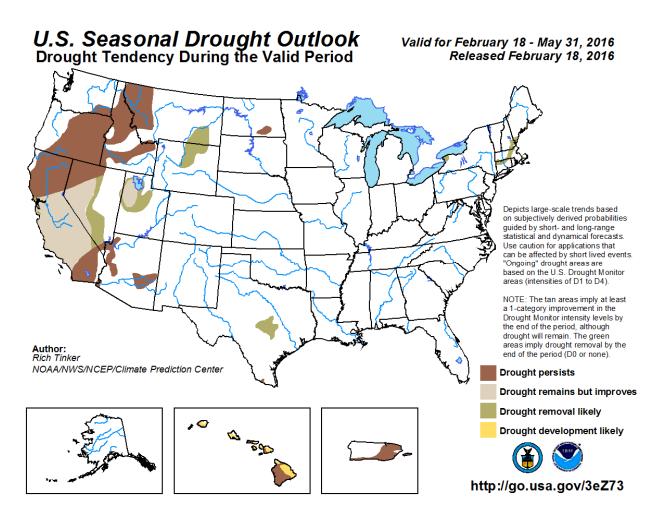
Drought Status and Update

The U.S. Seasonal Drought Outlook shows predicted trends for areas experiencing drought, as well as indicating areas where new droughts may develop. The NOAA Climate Prediction Center issues this monthly product in conjunction with their long-lead temperature and precipitation outlooks on the first and third Thursday of each month and when weather events warrant an interim update. The general large-scale trends depicted are based on numerous indicators, including short and long-range forecasts. A discussion detailing the atmospheric, hydrologic, and climatic conditions affecting the drought trends is included.

Human factors, such as water demand and water management, can exacerbate the impact that drought has on a region. Because of the interplay between a natural drought event and various human factors, drought means different things to different people. In practice, drought is defined in a number of ways that reflect various perspectives and interests.



Additional information can be found at: www.drought.unl.edu/DroughtBasics/TypesofDrought.aspx



Latest Seasonal Assessment - In the eastern half of the country, Mid-January through Mid-February 2016 brought above-normal precipitation to much of the Southeast and Mid-Atlantic states, but less than normal amounts to most of the South-Central States, lower Ohio Valley, and non-coastal Northeast. Conditions were dry enough to bring drought into western New York, but some drought was removed from parts of Connecticut, south of the area of 30-day dryness. Farther west, amounts were 2 to locally 4 inches below normal from the western half of the lower Mississippi Valley westward through eastern Texas and southeastern Oklahoma. Despite wet weather overall since October 2015, short-term deficits were significant enough to bring some dryness and a few areas of drought into parts of Texas. Precipitation was also unusually low in the southern High Plains and western Texas, but this is a climatologically dry time of year for the region, and totals were only an inch or so below normal there. Looking farther west, conditions were generally wetter than normal, and drought improved across northern California, Nevada, much of Utah, and scattered areas farther northwest. Only part of Wyoming saw deterioration, and drought remained unchanged in central and southern California, where extreme to exceptional drought (D3 to D4) is entrenched. Outside the contiguous states, generally dry weather affected most of Hawaii (prompting some drought expansion) and Puerto Rico (keeping drought intact). Regarding expected changes by the end of May, The Seasonal Drought Outlook calls for drought removal where it exists in the Northeast where the last half of February is expected to be somewhat wetter than normal. Drought should persist in southeast North Dakota, and in the small areas that recently developed in southern Texas,

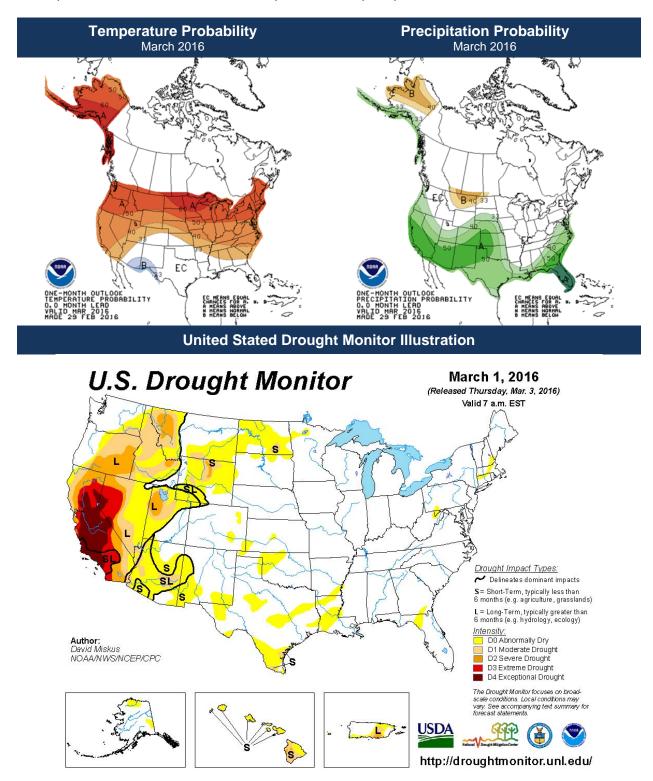
as spring is a relatively dry time of year. In central Texas, however, spring precipitation is more robust, and with odds tilting toward above-normal precipitation in the region for March-May, drought removal is expected there. Enhanced chances for above normal precipitation should bring at least some improvement in central and upper southern parts of California, all but northwestern Nevada, northern Utah, and the area extending from northern Wyoming into southern Montana. Climatologically increasing rainfall is the primary consideration in the latter area. In Arizona and southern California, March begins a drier time of year, and precipitation probably won't be sufficient to bring any improvement there despite odds favoring wetter than normal conditions. In the Northwest and west-central part of the country, forecasts on all time scales favor near- to below-normal precipitation, and persistence is expected there. Drought is expected to expand further through much of Hawaii, where a dry spring is anticipated, and dryness should worsen or intensify where it exists in Puerto Rico.

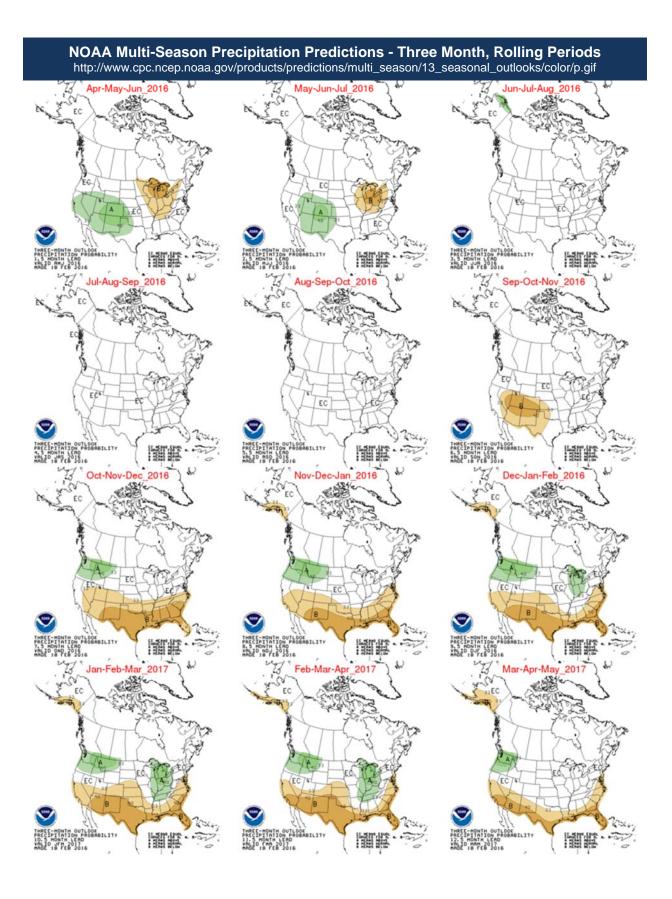
Forecaster: Rich Tinker

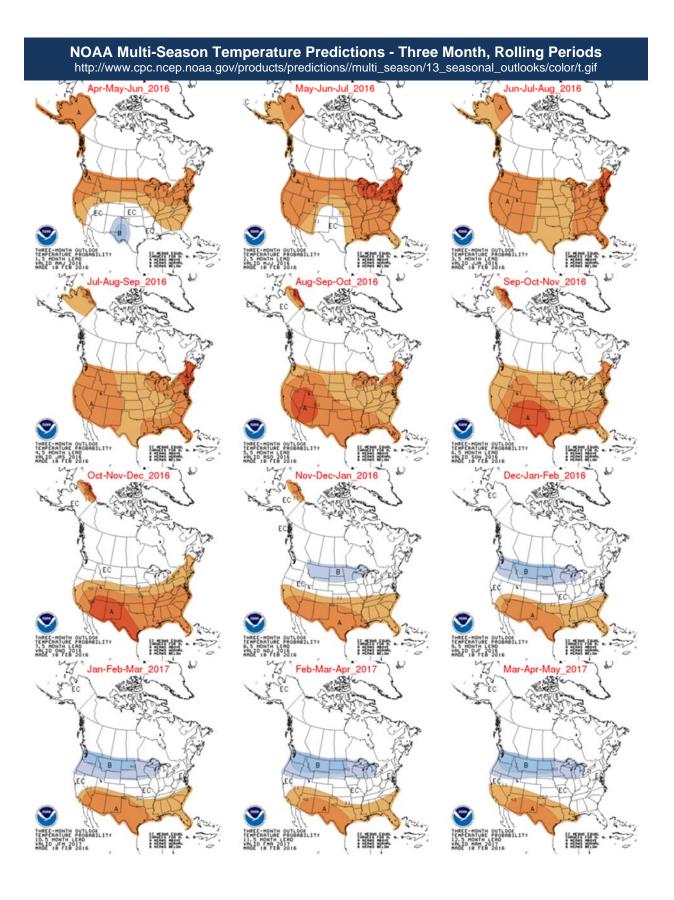
Next Seasonal Drought Outlook issued: March 17, 2016 at 8:30 AM EST

Source: http://www.cpc.ncep.noaa.gov/products/expert_assessment/sdo_summary.php

The National Weather Service and the National Oceanic and Atmospheric Administration provides regular predictions for temperature and precipitation forecasts throughout the United States. The following charts show the temperature and precipitation probability for the next month, as well as a compilation of future forecasts for temperature and precipitation.

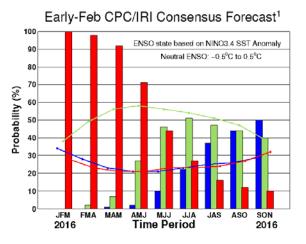


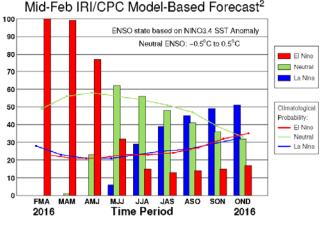


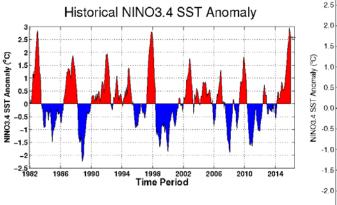


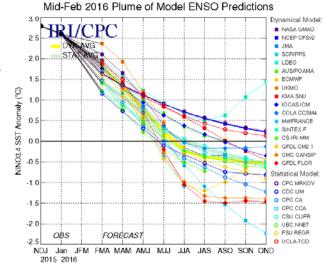
ENSO *QUICK LOOK* February 18, 2016 A monthly summary of the status of El Niño, La Niña and the Southern Oscillation, or "ENSO", based on NINO3.4 index (120-170W, 5S-5N)

During mid-February 2016 the tropical Pacific SST was still at a very strong El Niño level, having peaked in November and December. All atmospheric variables continue to support the El Niño pattern, including weakened trade winds and excess rainfall in the east-central tropical Pacific. Most ENSO prediction models indicate slowly weakening El Niño conditions over the coming several months, returning to neutral by late spring or early summer 2016, with a chance for La Niña development during fall.







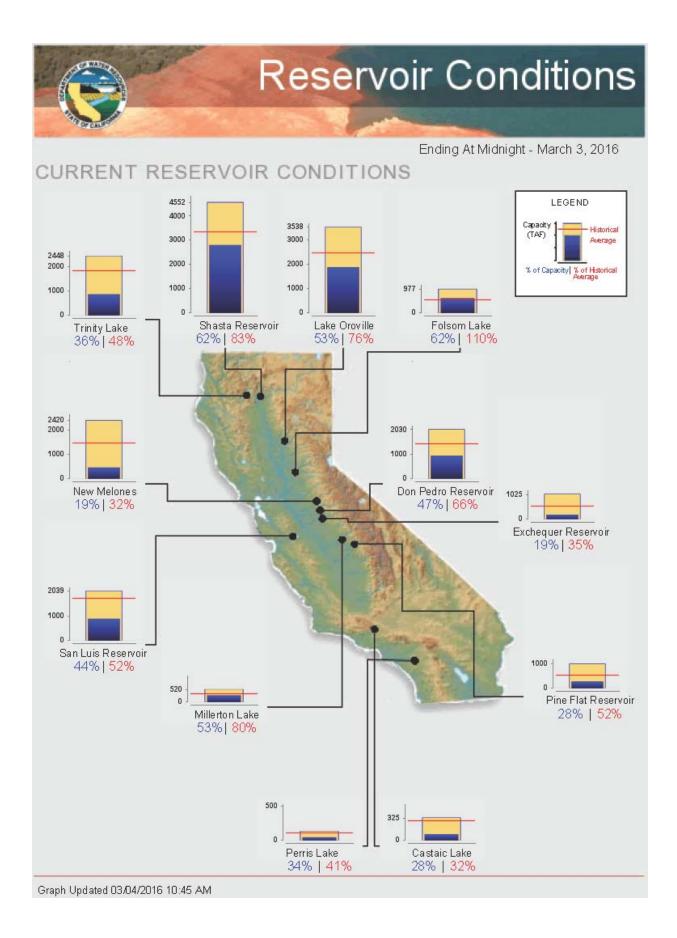


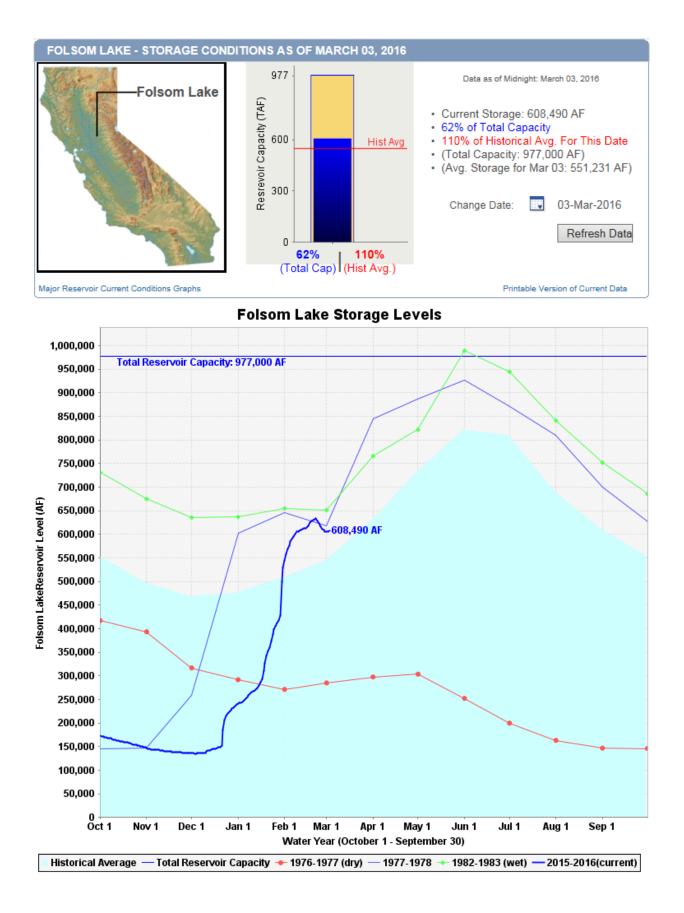
Historically Speaking

El Niño and La Niña events tend to develop during the period Apr-Jun and they:

- Tend to reach their maximum strength during Dec-Feb
- Typically persist for 9-12 months, though occasionally persisting for up to 2 years
- Typically recur every 2 to 7 years

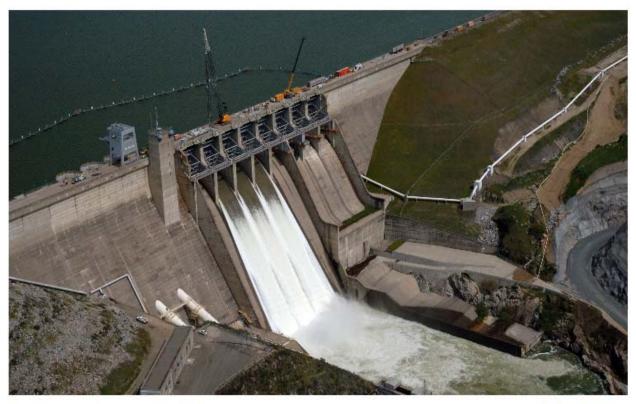
¹Based on a consensus of CPC and IRI forecasters, in association with the official CPC/IRI ENSO Diagnostic Discussion. ²Purely objective, based on regression, using equally weighted model predictions from the plume.





KQED Science

California Reservoirs Are Dumping Water in a Drought, But Science Could Change That



By Lauren Sommer, KQED Science FEBRUARY 29, 2016



There's a rule in California that may seem bizarre in a drought-stricken state: in the winter, reservoirs aren't allowed to fill up completely.

In fact, even as this post goes up, a handful of reservoirs are releasing water to maintain empty space.

The practice, which has long inflamed combatants in California's water wars, is due to a decades-old rule designed to protect public safety. If a major winter storm comes in, reservoirs need space to catch the runoff and prevent floods.

But with advances in weather forecasting, some say this preemptive strategy is outdated. A new, "smart" flood control system could save water in years when Californians need it most.

Hitting the 'Magic' Line

At one of the state's major reservoirs — Folsom Lake, east of Sacramento — the volume of water spilling from the dam has swollen eight-fold in the past few weeks, sending billions of gallons downstream, much of it into San Francisco Bay.

Early in February the reservoir reached a key threshold: 60 percent full, which is the highest water level allowed during the winter months, according to rules from the U.S. Army Corps of Engineers and the Sacramento Area Flood Control Agency.

Last year, most of the reservoir was a dry, dusty lakebed.

"What reservoir was left was confined to the old river channels before we built the dam," says Drew Lessard of the U.S. Bureau of Reclamation, the federal agency that manages the reservoir.

Just an average-size winter storm can send huge volumes of water down the American River into Folsom Reservoir, boosting the lake by 10 percent or more. A major storm can produce dramatically more than that.

"The watershed is pretty flashy and it responds pretty quickly to storm events," says Lessard. "That's why we need to reserve a space during those winter months in case that happens."

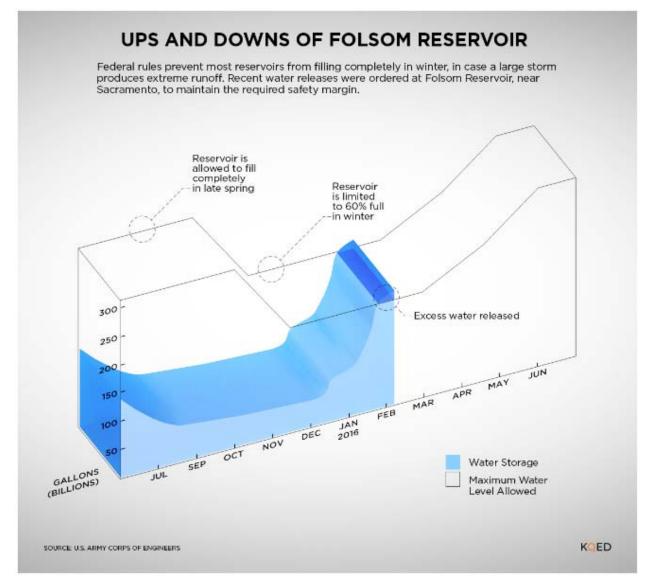
Sitting 40 percent empty allows the reservoir to act as a buffer against floods, gulping the runoff without overflowing. In years where the upstream reservoirs are fuller, Folsom Reservoir is required to remain 60 percent empty.

Releasing water downstream does produce benefits, supporting wildlife and endangered fish. It also prevents salt water from San Francisco Bay from backing up into the Sacramento-San Joaquin Delta, which is a drinking water supply for many in the Bay Area.

But preemptively releasing water has its own risks, especially if it doesn't rain again, as happened in 1997. The reservoir was lowered and, "it was dry the rest of the year and we never really rebounded," recalls Lessard.

As California enters a fifth year of drought, seeing operators deliberately dumping water can be disconcerting.

A few weeks ago, Shauna Lorance of the San Juan Water District near Sacramento went to state regulators with a message: when water is disappearing downriver, it's hard for water consumers to take the conservation message seriously.



"Anything they conserve right now is not held," said Lorance. "For me to explain to customers, after everything they've done, that they need to continue to conserve so it can be spilled is going to be a nightmare."

'Smart' Reservoirs

"The rules that govern water in the West were created in the 19th century," says Marty Ralph, who directs the Center for Western Weather and Water Extremes at UC San Diego. "And yet here we live in the 21st century with its special and new needs: greater population and a changing climate."

Ralph is piloting a more dynamic method of flood management at Lake Mendocino with the Sonoma County Water Agency.

Instead of a maintaining firm limits on reservoir levels dictated by the calendar, managers would use cutting-edge weather forecasts to gauge how much flood space they need.

"Weather predictions have been improving over the last decades, " said Ralph. "Particularly on the West Coast, we've learned about the phenomenon that produces most flood-producing storms. We call them atmospheric rivers."

Instead of emptying out a reservoir preemptively, managers would allow the reservoir to stay fuller, keeping

an eye on the weather forecast. 'The rules that govern water in

If a big storm appears, "they'd have three, four, five days lead time, enough to release that extra water and get it out of the way safely," said Ralph. the West were created in the 19th century.'

- Marty Ralph, UCSD

If storms don't appear, the water would be saved for later in the year.

Ralph says "forecast-informed" operations are becoming possible thanks to major advances in weather research. New weather satellites and more precise forecast models are making predictions more accurate. Researchers are even flying planes into atmospheric rivers to gather information about how they behave.

Ralph says even with the improvements, there's more fine tuning to be done.

"We get down to three days' lead time and we're down to plus or minus 300 kilometers (186 mi.) in terms of the location of the storm's landfall," he explains. "That's the difference between San Francisco and the Oregon border. That's a big difference if you're operating a reservoir on a much smaller scale."

But he says potential is clear in a drought-prone state like California.

"Imagine we have the option to keep, say, ten percent extra water behind each dam in the winter," he muses. At Folsom Reservoir alone, that amount would supply 200,000 households for a year.

Changing the Rules

"We see potential," agrees Greg Kukas of the Army Corps of Engineers, the federal agency that sets flood rules for reservoirs. "What we're not clear on is what the risks associated with that potential might be. What are the trade offs?"

The Corps is considering using the new weather-based operations at Folsom as part of a major update to the reservoir operations plan.

The question is whether weather forecasts are precise enough — not just as to when a storm is coming, but how big it is.

"When it comes to forecasting the size of events that we're most concerned about, they are about 20 percent off," says Kukas.

Getting it wrong is not an option. If the dam overflows, it could flood Sacramento and hundreds of thousands of people downstream, and potentially put the dam itself at risk of failing.

"The consequences, you don't even want to imagine them."

Working with reservoir operators around the state, the Corps says it currently takes weather forecasts into consideration in making water release decisions, though in a minimal way.

"We don't make our reservoir releases in a vacuum," says Christy Jones, also with the Corps of Engineers. "We always are looking at the balance. We know water supply is incredibly important but we also know public safety is incredibly important."

The Corps plans to decide whether to manage Folsom Reservoir using weather forecasts next year. Changing current flood rules for how much the reservoir can hold in the winter would require an act of Congress. But if it works at Folsom, Jones agrees that it would be a model for reservoirs across the Western U.S.

"This could have a huge impact on the West."

Operational Updates



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Yucaipa Valley Water District Workshop Memorandum 16-049

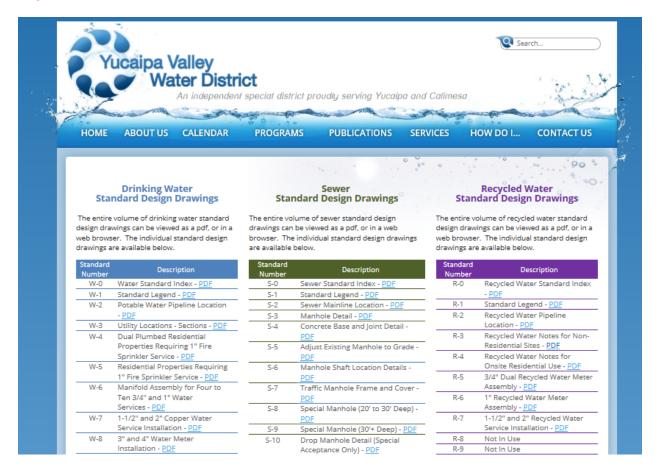
Date: March 8, 2016

Subject: Review of Updated Standard Specifications for Drinking Water, Recycled Water, and Sewer Facilities

On August 20, 2014, the Board of Directors adopted Resolution No. 2014-08 related to updated Standard Specifications for drinking water, recycled water and sewer facilities. The District staff has made minor changes to the standard drawings and recommends the adoption of the entire packet. This item was originally presented on January 26, 2016 at Workshop Memorandum No. 16-016.

The drinking water standard drawings begin on page 3 of 133, the sewer standard drawings begin on page 71 of 133, and the recycled water standard drawings begin on page 107 of 133.

Following the approval of the standard drawings, the District's website will be updated to include the entire package of standard drawings as well as individual standards for use by consultants, engineers and contractors.



RESOLUTION NO. 2016-0x

RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT ADOPTING THE STANDARD SPECIFICATIONS FOR THE DESIGN AND PROCESSING, FURNISHING OF MATERIALS, AND CONSTRUCTION OF DRINKING WATER, RECYCLED WATER AND SEWER FACILITIES

Whereas, the Yucaipa Valley Water District's Board of Directors desires to adopt revised and updated comprehensive drinking water, recycled water and sewer standard specifications that reflect technological advances, product and material availability, regulatory requirements, and District policies.

NOW, THEREFORE, BE IT HEREBY RESOLVED AND ORDERED, that the Board of Directors of the Yucaipa Valley Water District hereby adopts the drinking water, recycled water and sewer standard specifications attached hereto as Exhibit "A".

PASSED, APPROVED and ADOPTED this ____ day of March 2016.

YUCAIPA VALLEY WATER DISTRICT

ATTEST:

Lonni Granlund, President Board of Directors

Joseph B. Zoba, General Manager



12770 Second Street, Yucaipa, California 92399 Phone: (909) 797-5117

Standard Specifications for the Design and Processing, Furnishing of Materials, and Construction of Drinking Water Facilities

March ___, 2016

YVWD WATER FACILITY STANDARDS DRAWING INDEX (NUMERICAL)

₩ - 1	STANDARD DESIGN REQUIREMENTS AND LEGEND
₩-2	POTABLE WATER PIPELINE LOCATION
₩–3	UTILITY LOCATIONS - SECTIONS
₩-4	DUAL PLUMBED RESIDENTIAL PROPERTIES REQUIRING 1" FIRE SPRINKLER SERVICE
₩-5	RESIDENTIAL PROPERTIES REQUIRING 1" SPRINKLER SERVICE
₩-6	MANIFOLD ASSEMBLY FOR FOUR TO TEN 3/4" AND 1" SERVICES
₩-7	1 1/2" AND 2" COPPER WATER SERVICE INSTALLATION
W-8	3" AND 4" WATER METER INSTALLATION
W-9	6" AND 8" WATER METER INSTALLATION
₩—10	DOUBLE CHECK BACKFLOW ASSEMBLY
W-11	REDUCED PRESSURE BACKFLOW ASSEMBLY
₩ - 12	REDUCED PRESSURE BACKFLOW ASSEMBLY WITH BYPASS
₩-13	DOUBLE CHECK OR REDUCED PRESSURE DETECTOR
	ASSEMBLY ABOVE GROUND FIRE LINE
₩-14	DOUBLE CHECK ASSEMBLY AND BELOW GROUND FIRE LINE
₩-15	1" AND 2" AIR AND VACUUM VALVE ASSEMBLY
₩-16	WATER QUALITY SAMPLING STATION
₩ - 17	NOT IN USE
W-18	FIRE HYDRANT INSTALLATIONS
W-19	BLOW-OFF ASSEMBLY
₩-20	VALVE AND VALVE BOX INSTALLATION
W-21	VALVE STEM EXTENSION
W-22	THRUST BLOCK DETAILS FOR RETROFIT ONLY
₩ - 23	PRESSURE REDUCING STATION DETAILS
₩-24	PREFABRICATED VAULT WITH LID AND VENT ASSEMBLY
W-25	ADJUSTABLE PIPE SUPPORT
W-26	STEEL CASING PIPE
₩-27	MORTAR LINED AND COATED STEEL PIPE JOINT DETAILS
W-28	MORTAR LINED AND COATED STEEL PIPE CLOSURE DETAILS
W-29	NOT IN USE
₩-30	TRENCH REPAIR DETAIL
W-31	PIPE BEDDING DETAIL
W-32	WATER PIPELINE PROTECTION DETAIL

WATER STANDARD INDEX

2016

Yucaipa Valley Water District

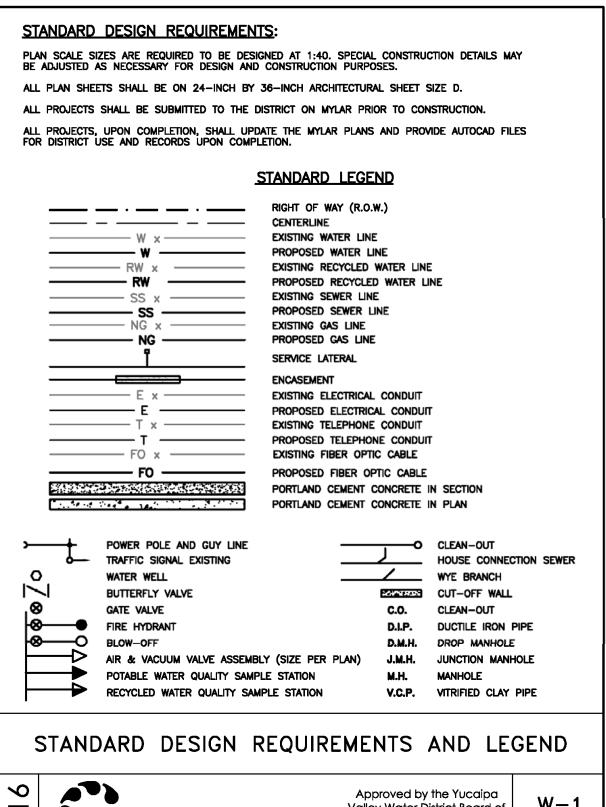
Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##

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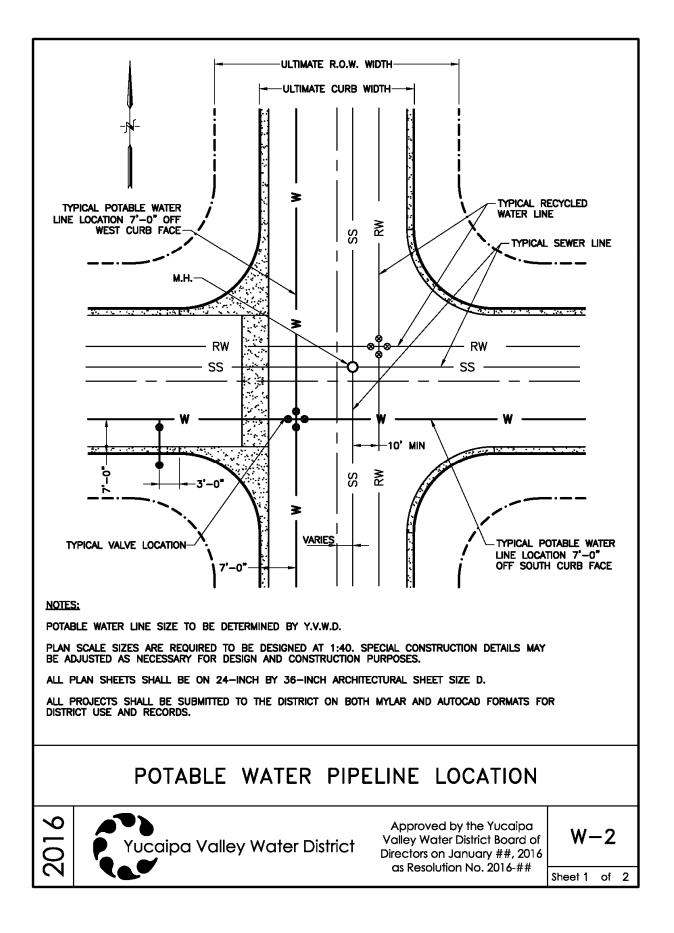
Sheet 1 of

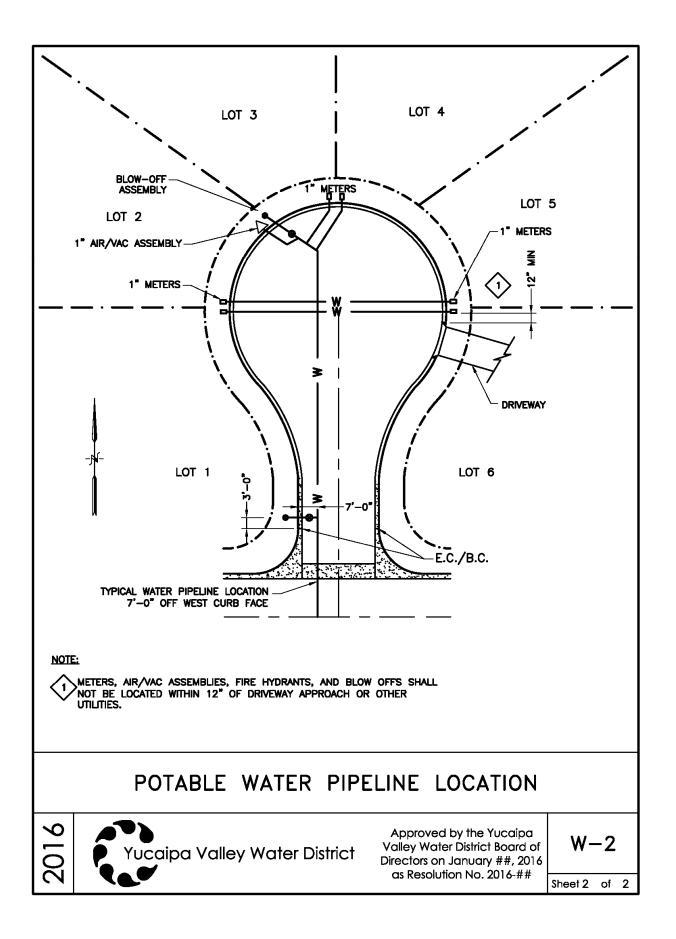
	YVWD WATER FACILITY STANDARDS
STANDARDS	DRAWING INDEX (SUBJECT)
₩−1	STANDARD DESIGN REQUIREMENTS AND LEGEND
₩-2	POTABLE WATER PIPELINE LOCATION
W-3	UTILITY LOCATIONS - SECTIONS
₩-22	THRUST BLOCK DETAILS FOR RETRO-FIT ONLY
W-30	TRENCH REPAIR DETAIL
W-31	PIPE BEDDING DETAILS
SERVICES	
W-4	dual plumbed residential properties requiring 1" fire sprinkler service
₩-5	
W-6	
₩-8	1 1/2" AND 2" COPPER WATER SERVICE INSTALLATION
W-8	3" AND 4" WATER METER INSTALLATION
W-9	6" AND 8" WATER METER INSTALLATION
₩-9 ₩-15	
W-15 W-16	
W-24	PREFABRICATED VAULT/LID/VENT ASSEMBLY
SERVICE PRO	
W-10	DOUBLE CHECK BACKFLOW ASSEMBLY
W-11	
₩-12	REDUCED PRESSURE BACKFLOW ASSEMBLY WITH BY-PASS
₩-13	DOUBLE CHECK OR REDUCED PRESSURE DETECTOR
	ASSEMBLY ABOVE GROUND FIRE LINE
₩-14	DOUBLE CHECK ASSEMBLY AND BELOW GROUND FIRE LINE
	TS AND VALVES
₩-18	FIRE HYDRANT INSTALLATIONS
₩—19	BLOW-OFF ASSEMBLY
₩-20	VALVE AND VALVE BOX INSTALLATION
₩-21	VALVE STEM EXTENSION
PIPE AND CA	SING DETAILS
₩-22	THRUST BLOCK DETAILS FOR RETROFIT ONLY
₩-25	ADJUSTABLE PIPE SUPPORT
₩-26	STEEL CASING PIPE
₩ - 27	MORTAR LINED AND COATED STEEL PIPE JOINT DETAILS
₩-28	MORTAR LINED AND COATED STEEL PIPE CLOSURE DETAILS
₩ - 31	PIPE BEDDING DETAIL
₩-32	WATER PIPELINE PROTECTION DETAIL
PRESSURE R	EDUCING STATION AND VAULT DETAILS
₩-23	PRESSURE REDUCING STATION DETAILS
₩-24	PREFABRICATED VAULT WITH LID AND VENT ASSEMBLY
	WATER STANDARD INDEX
\mathbf{v}	Approved by the Yucaipa
	$\mathbf{W} = \mathbf{O}$
	Directors on January ##, 2016
	as Resolution No. 2016-##
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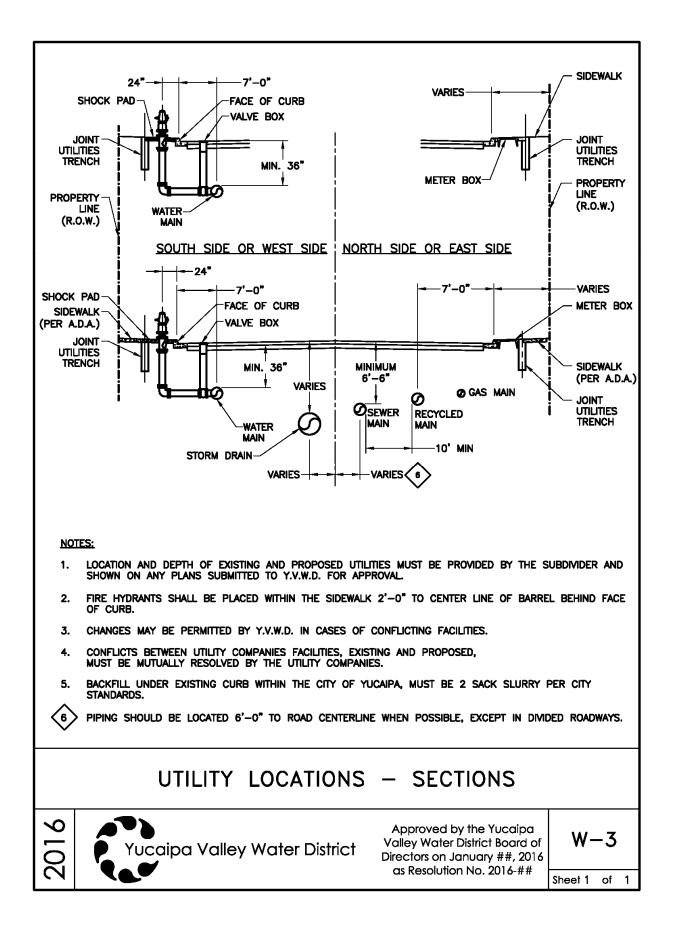


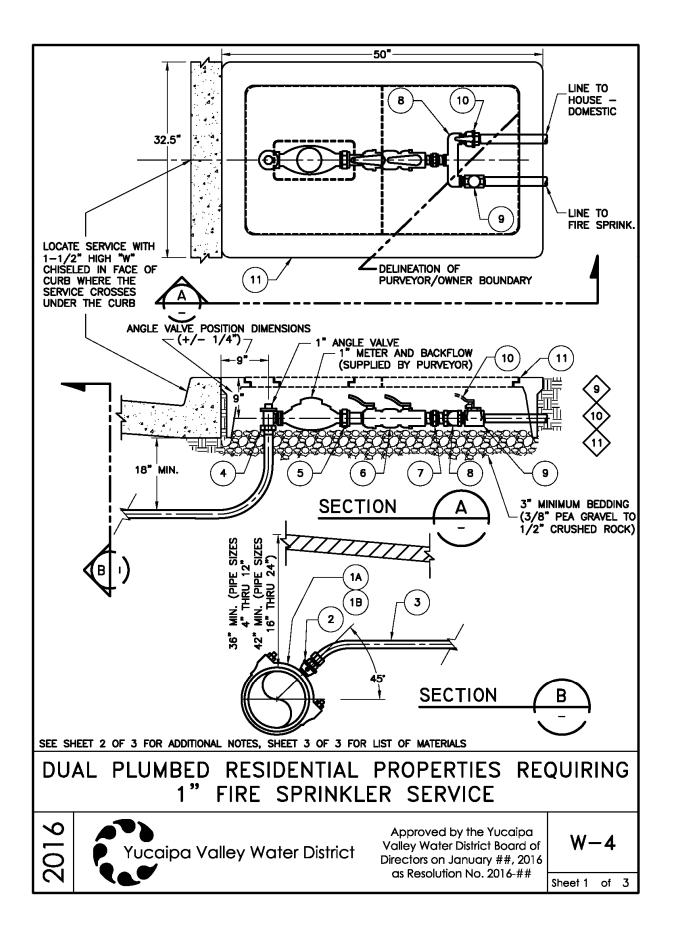
Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##

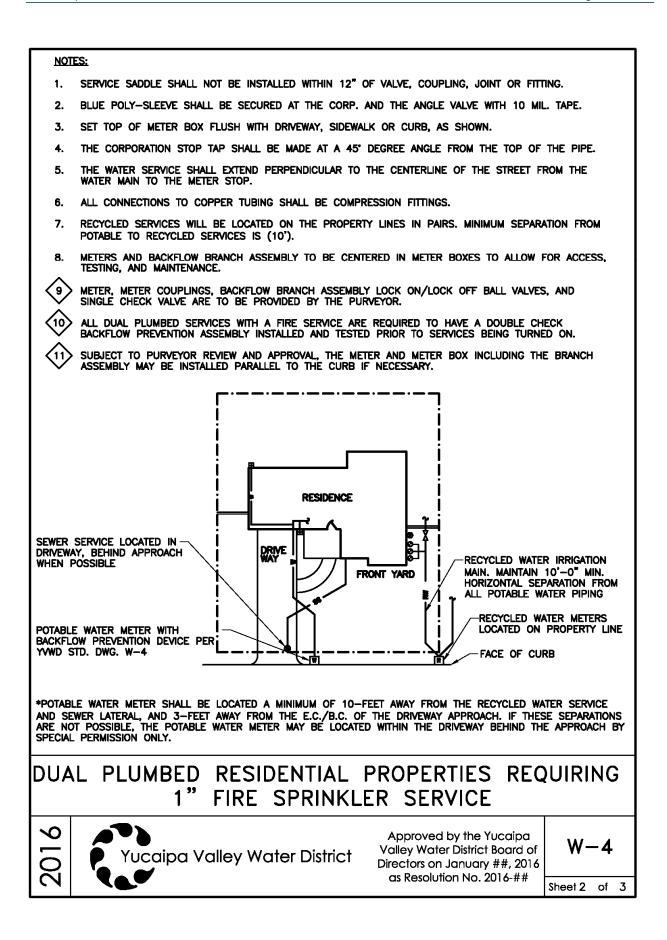
Yucaipa Valley Water District











	LIST OF	MATERIALS	
ITEM NO.	SIZE & DESCRIPTION	MANUFACTURER	SPEC. NO.
1 A	DOUBLE STRAP SERVICE SADDLE 1" I.P. OUTLET (FOR D.I.P. MAINS)	JONES ROMAC FORD MUELLER	J-979-PIPE O.D1" I.P. 20285-PIPE O.D1" I.P. 20285-PIPE O.D1" I.P. 20285-PIPE O.D1" I.P. BR2B-PIPE O.DI.P. 100
18	CAST SERVICE SADDLE WITH 1" I.P. OUTLET (FOR D.I.P. MAINS)	ROMAC FORD MUELLER	2025-PIPE O.D1" I.P. F-202-PIPE O.D1" I.P. DR2A-PIPE O.DI.P. 100
2	1" BRONZE BALL CORPORATION STOP (M.I.P.T. X COMPRESSION)	JONES MULLER McDONALD FORD	E—1935SG H—15028N 74704BQ
3	1" BLUE PLASTIC COATED COPPER TUBING		COPPER TYPE "K" SOFT
4	BRONZE BALL ANGLE METER STOP W/LOCKWING (1" COMPRESSION X METER)	JONES MUELLER McDONALD FORD	1963WSG H-14258N 74602BQ
5	1" METER x 3" "METER SPUD"	JONES	J-130
6	1" MINIMUM - DOUBLE CHECK BACKFLOW ASSEMBLY	AMES FEBCO WILKINS ARI	2000SS 850 950XL DC-500
7	1" BRASS UNION		
8	1" "U"-BRANCH (M.I.P.T. X M.I.P.T.)	McDONALD	AYM-708UMM
9	1" DOUBLE CHECK (INLINE DOUBLE CHECK)	McDONALD	711-4FE 44
10	BALL VALVE WITH LOCKWING (F.I.P. X F.I.P.)	JONES MUELLER McDONALD FORD	E-1900W B20283 N AYM76101W
11	METER BOX AND COVER WITH READING LID	ARMOR CAST	A6001430PCX12 W/ (1)-A6001470 - COVER (1)-A6001470DZ - COVEF (1)-A6000482

DUAL PLUMBED RESIDENTIAL PROPERTIES REQUIRING 1" FIRE SPRINKLER SERVICE

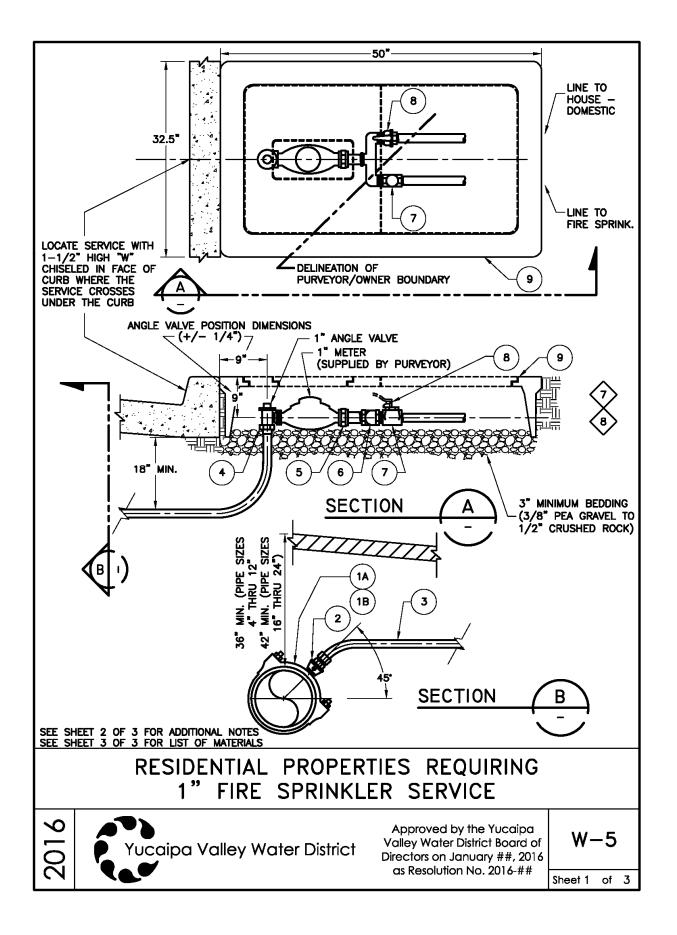
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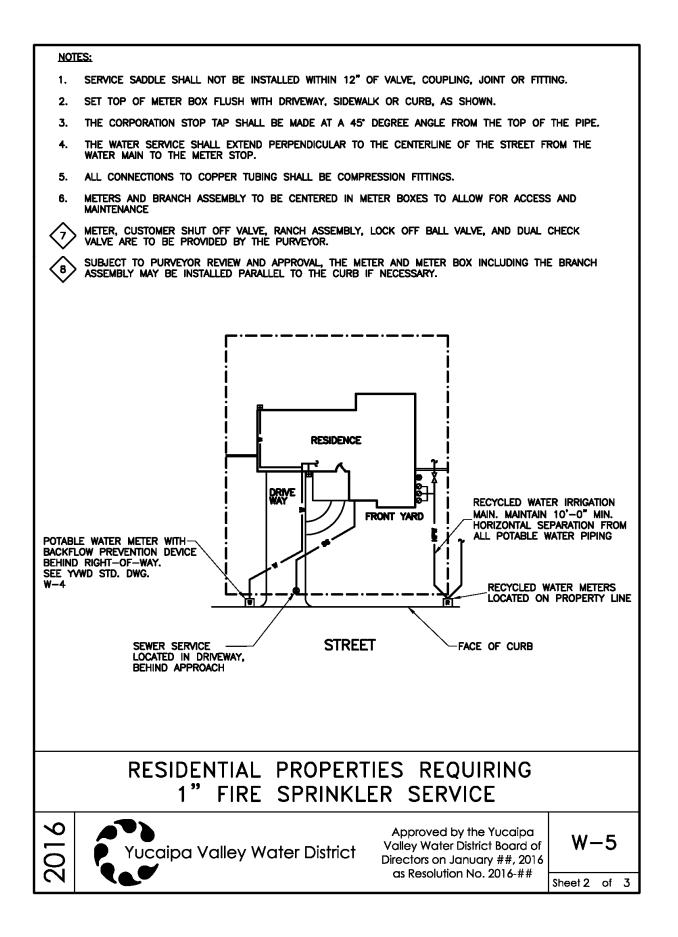
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Yucaipa Valley Water District

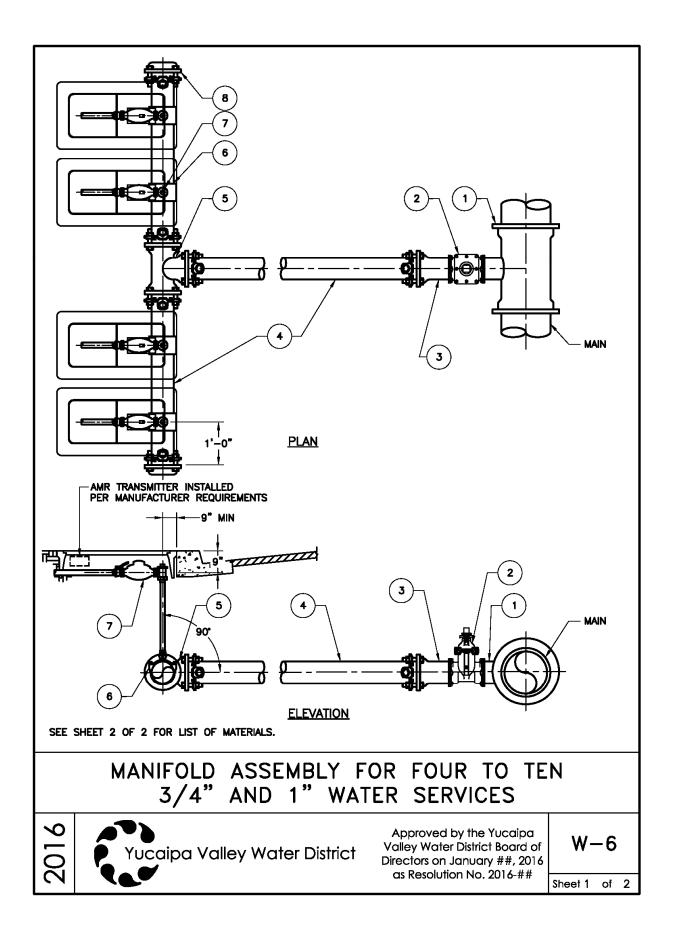
Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##

Sheet 3 of 3





		LIST OF	MATERIALS						
	ITEM NO.	SIZE & DESCRIPTION	MANUFACTURER	SPEC. NO.					
	1A	DOUBLE STRAP SERVICE SADDLE 1" I.P. OUTLET (FOR D.I.P. MAINS)	JONES ROMAC FORD MUELLER	J-979-PIPE O.D1" I.P. 202BS-PIPE O.D1" I.P. 202BS-PIPE O.D1" I.P. BR2B-PIPE O.DI.P. 100					
	18	CAST SERVICE SADDLE WITH 1" I.P. OUTLET (FOR D.I.P. MAINS)	ROMAC FORD MUELLER	202S-PIPE O.D1" I.P. F-202-PIPE O.D1" I.P. DR2A-PIPE O.DI.P. 100					
	2	1" BRONZE BALL CORPORATION STOP (M.I.P.T. X COMPRESSION)	JONES MULLER McDONALD FORD	E-1935SG H15028N 74704BQ					
	3	1" BLUE PLASTIC COATED COPPER TUBING		COPPER TYPE "K" SOFT					
	4	BRONZE BALL ANGLE METER STOP W/LOCKWING (1" COMPRESSION X METER)	JONES MUELLER McDONALD FORD	1963WSG H14258N 74602BQ					
	5	1" METER x 3" "METER SPUD"	JONES	J–130					
	6	1" "U"-BRANCH (M.I.P.T. X M.I.P.T.)	McDONALD	AYM-708UMM					
	7	1" DOUBLE CHECK (INLINE DOUBLE CHECK)	McDONALD	711-4FE 44					
	8	BALL VALVE WITH LOCKWING (F.I.P. X F.I.P.)	JONES MUELLER McDONALD FORD	E-1900W B20283 N AYM76101W					
	9	METER BOX AND COVER WITH READING LID	ARMOR CAST	A6001430PCX12 W/ (1)-A6001470 - COVER (1)-A6001470DZ - COVER (1)-A6000482					
	R	ESIDENTIAL PRO 1" FIRE SPRI	PERTIES R NKLER SEF						
2016	Yuc	caipa Valley Water Dis	trict Valley Wat Directors or	d by the Yucaipa ter District Board of n January ##, 2016 tion No. 2016-##					



LI	LIST OF MATERIALS									
ITEM NUMBER	DESCRIPTION									
1	D.I. TEE, MJ X MJ X FLG, RESTRAINED									
2	4" FLG X FLG VALVE									
3	MJ X FLG ADAPTOR, RESTRAINED									
4	4" D.I.P. RESTRAINED									
5	D.I. TEE, MJ X MJ X MJ, RESTRAINED WITH MEGA LUGS (SHORT BODY MAY BE USED)									
6	CAST SERVICE SADDLE WITH I.P. OUTLET									
7	1" COPPER SERVICE INSTALLATION - SEE YVWD STD. DWG. W-5									
8	RESTRAINED MECHANICAL JOINT END CAP WITH MEGA LUG RESTRAINT									

NOTE:

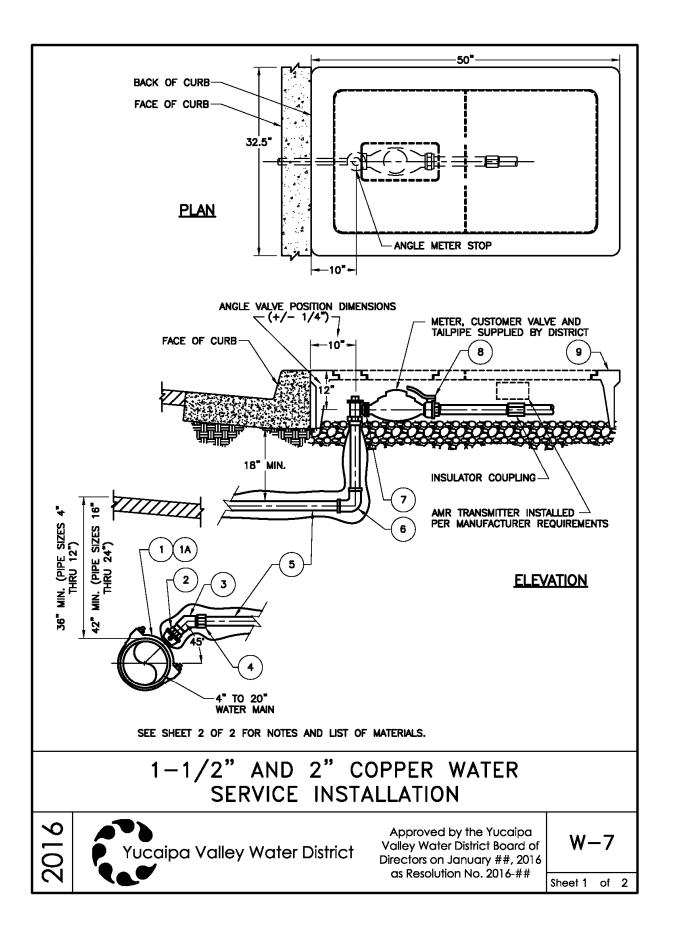
1. BACKFILL UNDER EXISTING CURB WITHIN CITY OF YUCAIPA, MUST BE 2 SACK SLURRY PER CITY STANDARDS.

MANIFOLD ASSEMBLY FOR FOUR TO TEN 3/4" AND 1" WATER SERVICES

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Yucaipa Valley Water District

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NOTES:

- 1. SERVICE SADDLE SHALL NOT BE INSTALLED WITHIN 12" OF VALVE, COUPLING, JOINT OR FITTING.
- 2. POLY-SLEEVE (BLUE FOR POTABLE WATER, PURPLE FOR RECYCLED/IRRIGATION) SHALL BE SECURED AT THE CORP. AND THE ANGLE VALVE WITH 10 MIL. TAPE.
- 3. SET TOP OF METER BOX FLUSH WITH SIDEWALK OR CURB AS SHOWN.
- 4. THE CORPORATION STOP TAP SHALL BE MADE AT A 45' ANGLE FROM THE TOP OF THE PIPE.
- 5. THE WATER SERVICE SHALL EXTEND PERPENDICULAR TO THE CENTERLINE OF THE STREET FROM THE WATER MAIN TO THE METER STOP.
- 6. METER BOX SHALL BE SET BEHIND CURB WHERE SIDEWALK IS ADJACENT TO CURB, OR IN PARKWAY BETWEEN CURB AND SIDEWALK.
- 7. METER BOX READING LID FOR ALL RECLAIMED WATER SERVICE SHALL BE PAINTED PER SPECIFICATIONS.
- 8. A 1" BYPASS LINE WITH LOCKING CURB STOP MAY BE REQUIRED FOR INSTALLATIONS NEEDING CONTINUOUS SERVICE.
- 9. METER, CUSTOMER VALVE AND TAILPIPE TO BE PROVIDED BY THE DISTRICT.

	LIST OF	MATERIALS	
TEM NO.	SIZE & DESCRIPTION	MANUFACTURER	SPEC. NO.
1	DOUBLE STRAP SERVICE SADDLE I.P. OUTLET (FOR D.I.P. MAINS)	JONES ROMAC FORD MUELLER	J-979-PIPE 0.D2" I.P. 2028S-PIPE 0.D2" I.P. 2028-PIPE 0.D2" I.P. 8R2B-PIPE 0.D1.P. 200
1A	CAST SERVICE SADDLE WITH I.P. OUTLET (FOR D.I.P. MAINS)	ROMAC FORD MUELLER	202S-PIPE 0.D2" I.P. F-202-PIPE 0.D2" I.P. DR2A-PIPE 0.DI.P. 200
2	BRONZE CORPORATION STOP MIPT X MIPT	JONES MUELLER FORD	J-1943 B-2969 FB500-7
3	BRASS 45' ELBOW 2" X 2" F.I.P.T. X F.I.P.T.	-	-
4	M.I.P.T. X COMPRESSION ADAPTOR	JONES MUELLER FORD	J-2605 H-15428 C84-77
5	2" COPPER PIPE/POLY SLEEVED	-	-
6	BRASS 90" ELBOW 2" X 2" COMPRESSION X COMPRESSION.	JONES MUELLER	J—2611 H—15526
7	BRONZE ANGLE METER STOP W/LOCKWING F.I.P. X FLANGE 1 1/2" THRU 2" COMBO ANGLE VALVE.	MUELLER	H14286N
8	BRONZE CUSTOMER SERVICE VALVE-METER FLANGE X F.I.P.	JONES FORD	J-1913 BF13-777 W/HH-67
9	METER BOX W/READING LID	ARMORCAST	A6001430PCX12 W/ (1)-A6001470 - COVER (1)-A6001470DZ - COVER (1)-A6000482

10. BACKFILL UNDER EXISTING CURB WITHIN THE CITY OF YUCAIPA, MUST BE 2 SACK SLURRY PER CITY STANDARDS.

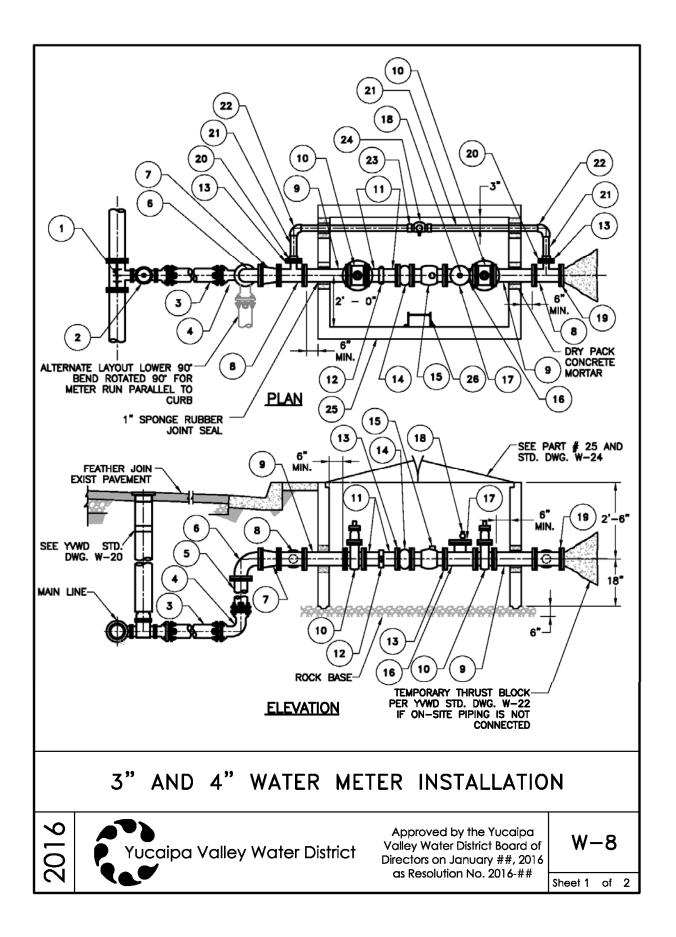
1-1/2" THRU 2" COPPER WATER SERVICE INSTALLATION

016

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W-7



TEM	QUANTITY	DESCRIPTION
1	1 EA	SIZE X 4" TAPPING SLEEVE (USE MJ X FLG. TEE IF HOT TAP IS NOT REQUIRED).
2	1 EA	4" FLG. X FLG. TAPPING VALVE (USE RW OR GATE VALVE IF HOT TAP IS NOT REQUIRED).
3	AS REQ'D	4" D.I. PIPE LATERAL, RESTRAINED JOINTS
4	1 EA	4" D.I. 90' ELL, MJ. X MJ (IF REQUIRED).
5	2 EA	4" D.I. HALF SPOOL - FLG. X PLAIN END (IF REQUIRED)
6	1 EA	4" D.I. 90" ELL, FLG. X FLG (IF REQUIRED).
7	1 EA	4" X 3" D.I. REDUCER FLG. X FLG. (FOR 3" SERVICE ONLY)
8	2 EA	METER SIZE FLANGED D.I. TEE
9	2 EA	FLG x FLG. D.I. SPOOL - METER SIZE X 2'-6"
10	2 EA	RW OR GATE VALVE FLG. X FLG.
11	2 EA	D.I.P. HALF SPOOL, VICTAULIC X FLG., 6" LENGTH
12	1 EA	GROOVED-END COUPLING (VICTAULIC)
13	4 EA	BOLT AND FLANGE INSULATING KIT
14	1 EA	STRAINER (BY DISTRICT)
15	1 EA	METER (BY DISTRICT)
16	1 EA	METER SIZE D.I. TEE - FLANGED
17	2 EA	METER-SIZE D.I. COMPANION FLANGE TAPPED FOR 2" I.P.
18	1 EA	2" CORPORATION STOP - MIP X MIP
19	1 EA	D.I. BLIND FLANGE
20	2 EA	METER SIZE COMPANION FLANGE WITH 2" THREADED I.P. OUTLET
21	AS REQ"D	2° GALVANIZED PIPE
22	2 EA	2° 90' ELBOW
23	1 EA	2" UNION
24	1 EA	2" BALL VALVE WITH LOCKING WING - F.I.P. X F.I.P.
25	1 EACH	PRECAST CONCRETE VAULT WITH SPRING ASSIST HINGED DIAMOND PLATE ALUMINUM COVER AND RECESSED LOCKING HASP. PROVIDE $6" \times 12"$ HINGED READING LID INSTALLED OVER METER REGISTER. (REFER TO YVWD STD. DWG. W-24)
26	1 EA	GALV. STEEL LADDER (ALHAMBRA FOUNDRY A3400) W/LADDER – UP AND S.S. ANCHOR BOLTS.

NOTES:

- 1. VAULT SHOWN IS FOR PARKWAY USE ONLY. FOR TRAFFIC LOADING AND OTHER REQUIREMENTS, CONTACT DISTRICT REPRESENTATIVE.
- 2. VAULT COVER TO BE SET TO CONFORM TO PARKWAY GRADE.
- 3. WHEN A BY-PASS LINE IS NOT REQUIRED, DO NOT INSTALL ITEMS 21 TO 24.
- 4. BACKFILL UNDER EXISTING CURB WITHIN THE CITY OF YUCAIPA, MUST BE 2 SACK SLURRY PER CITY STANDARDS.

3" AND 4" WATER METER INSTALLATION

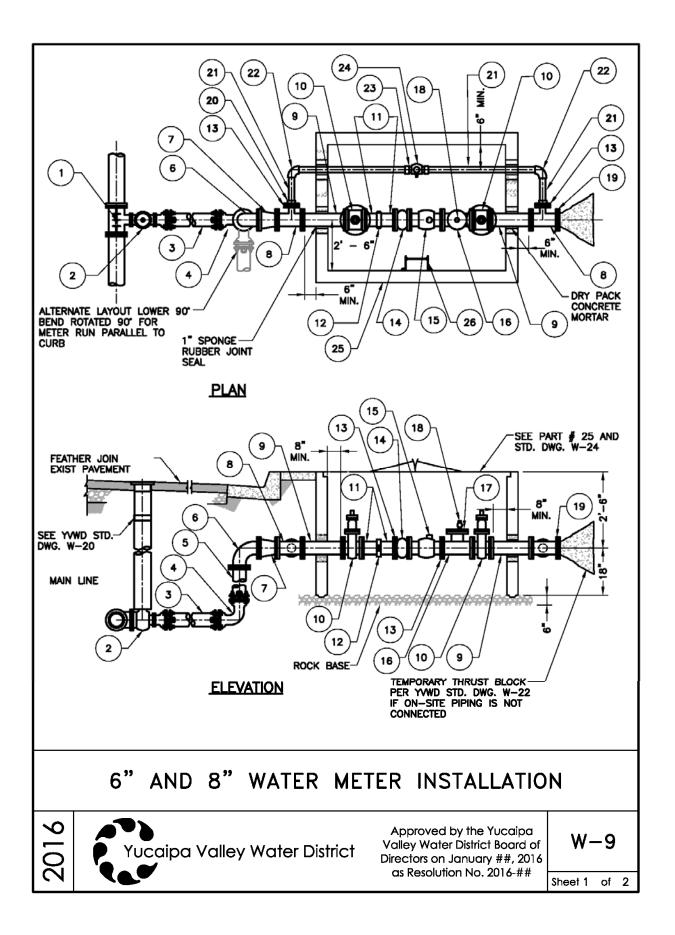
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Yucaipa Valley Water District

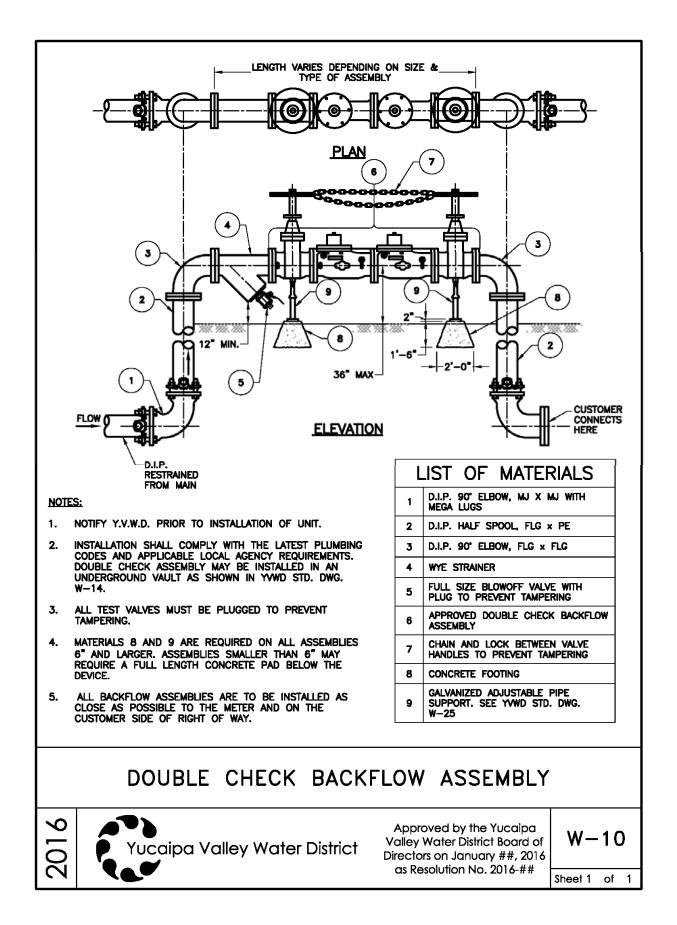
Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##

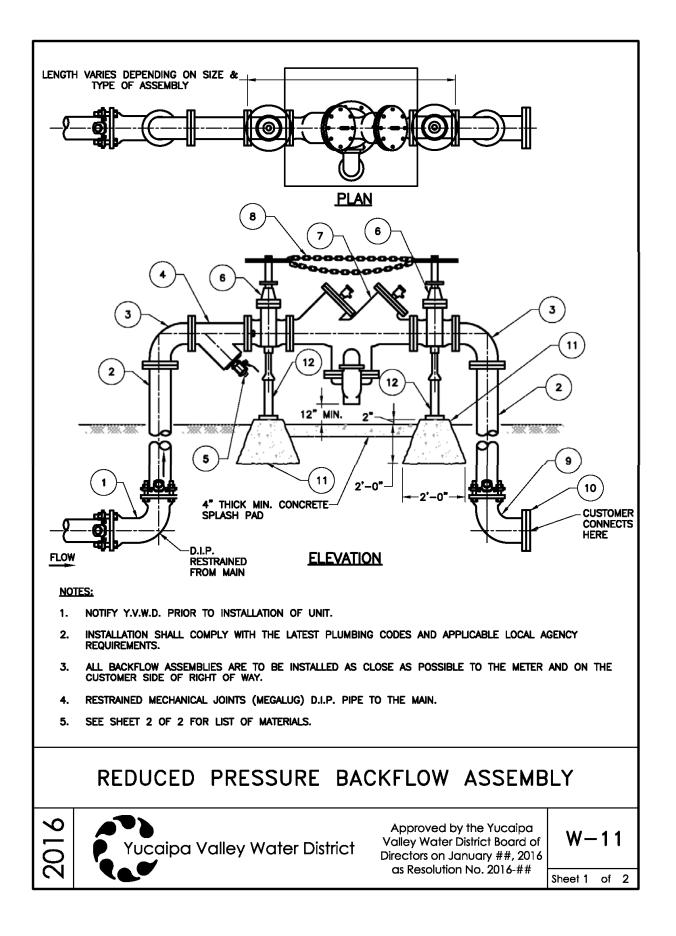
Sheet 2 of

2



		LIST OF MATERIALS										
ITEM	QUANTITY	DESCRIPTION										
1	1 EA	SIZE X 8" TAPPING SLEEVE (USE MJ X FLG. TEE IF HOT TAP IS NOT REQUIRED).										
2	1 EA	8" FLG. X FLG. TAPPING VALVE (USE RW OR GATE VALVE IF HOT TAP IS NOT REQUIRED).										
3	AS REQ'D	8" D.I. PIPE LATERAL, RESTRAINED JOINTS										
4	1 EA	8" D.I. 90" ELL, MJ. X MJ (IF REQUIRED).										
5	2 EA	D.I. HALF SPOOL - FLG. X PLAIN END (IF REQUIRED)										
6	1 EA	D.I. 90° ELL, FLG. X FLG (IF REQUIRED).										
7	1 EA	8" X 6" D.I. REDUCER FLG. X FLG. (FOR 6" SERVICE ONLY)										
8	2 EA	METER SIZE FLANGED D.I. TEE										
9	2 EA	FLG x FLG. D.I. SPOOL - METER SIZE X 2'-6"										
10	2 EA	RW OR GATE VALVE FLG. X FLG.										
11	2 EA	D.I.P. HALF SPOOL, VICTAULIC X FLG., 6" LENGTH										
12	1 EA	GROOVED-END COUPLING (VICTAULIC)										
13	4 EA	BOLT AND FLANGE INSULATING KIT										
14	1 EA	STRAINER (BY DISTRICT)										
15	1 EA	METER (BY DISTRICT)										
16	1 EA	METER SIZE D.I. TEE - FLANGED										
17	2 EA	METER-SIZE D.I. COMPANION FLANGE TAPPED FOR 2" I.P.										
18	1 EA	2" CORPORATION STOP - MIP X MIP										
19	1 EA	D.I. BLIND FLANGE										
20	2 EA	TER SIZE COMPANION FLANGE WITH 2" THREADED I.P. OUTLET										
21	AS REQ"D	2" GALVANIZED PIPE										
22	2 EA	2" 90" ELBOW										
23	1 EA	2" UNION										
24	1 EA	2" BALL VALVE WITH LOCKING WING - F.I.P. X F.I.P.										
25	1 EACH	PRECAST CONCRETE VAULT WITH SPRING ASSIST HINGED DIAMOND PLATE ALUMINUM COVER AND RECESSED LOCKING HASP. PROVIDE 6" x 12" HINGED READING LID INSTALLED OVER METER REGISTER. (REFER TO YVWD STD. DWG. W-24)										
26	1 EA	GALV. STEEL LADDER (ALHAMBRA FOUNDRY A3400) W/LADDER - UP AND S.S. ANCHOR BOLTS.										
NOTES:		·										
		IS FOR PARKWAY USE ONLY. FOR TRAFFIC LOADING AND OTHER CONTACT DISTRICT REPRESENTATIVE.										
2. VA	ult cover 1	O BE SET TO CONFORM TO PARKWAY GRADE.										
3. WH	IEN A BY-PA	ISS LINE IS NOT REQUIRED, DO NOT INSTALL ITEMS 21 TO 24.										
		R EXISTING CURB WITHIN THE CITY OF YUCAIPA, MUST BE 2 SACK ITY STANDARDS.										
	6" AND 8" WATER METER INSTALLATION											
2016	Yucc	Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-## Sheet 2 of 2										





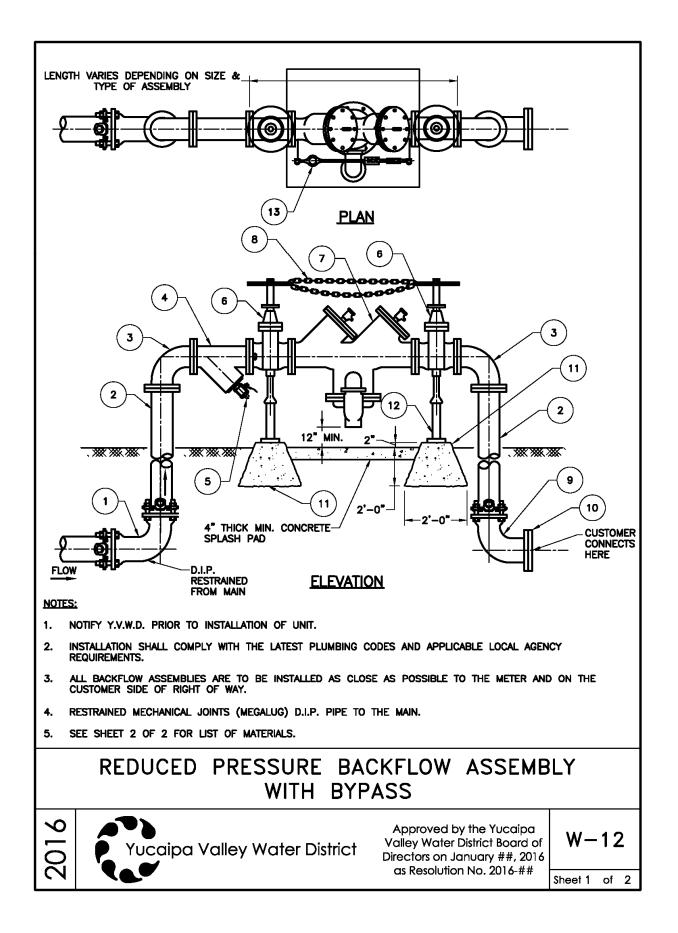
	LIST OF MATERIALS
1	D.I.P. 90° ELBOW, MJ X MJ WITH MEGA LUGS
2	D.I.P. HALF SPOOL, FLG X PE
3	D.I.P. 90° ELBOW, FLG x FLG
4	WYE STRAINER
5	FULL SIZE BLOWOFF VALVE WITH PLUG TO PREVENT TAMPERING
6	U.S.CAPPROVED SHUT-OFF VALVES. SEE SPECIFICATIONS FOR ASSEMBLY
7	APPROVED REDUCED PRESSURE BACKFLOW ASSEMBLY (SIZE PER REQUIREMENT)
8	CHAIN AND LOCK BETWEEN VALVE HANDLES TO PREVENT TAMPERING
9	D.I.P. 90° ELBOW, MJ X FLG WITH MEGA LUG
10	BLIND FLANGE IF NOT CONNECTING IMMEDIATELY AFTER INSTALL OF DEVICE
11	CONCRETE FOOTING
12	GALVANIZED ADJUSTABLE PIPE SUPPORT. SEE YVWD STD. DWG. W-25

REDUCED PRESSURE BACKFLOW ASSEMBLY

2016

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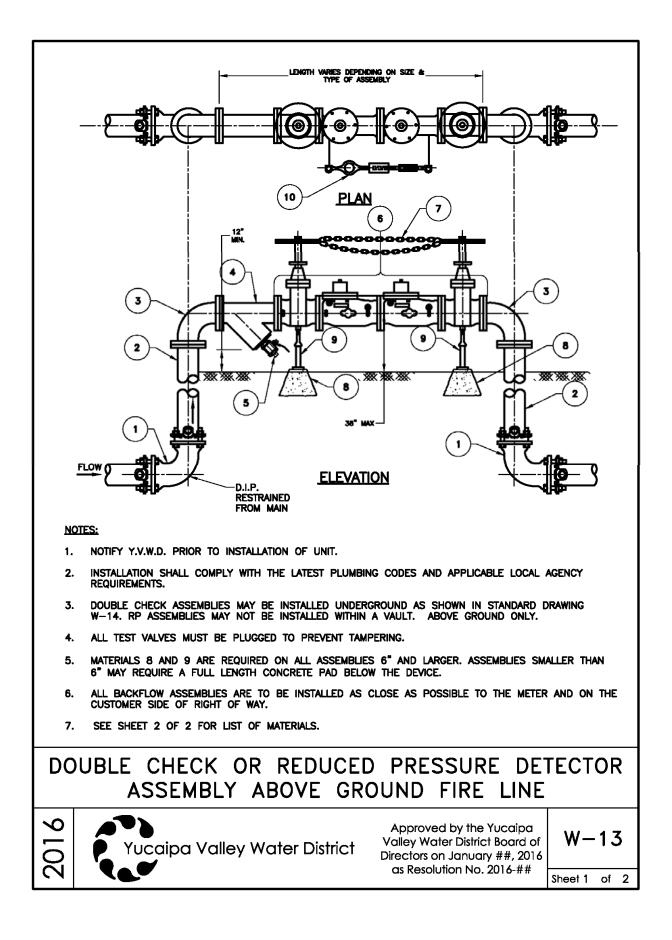
	LIST OF MATERIALS
1	D.I.P. 90° ELBOW, MJ X MJ WITH MEGA LUGS
2	D.I.P. HALF SPOOL, FLG X PE
3	D.I.P. 90° ELBOW, FLG x FLG
4	WYE STRAINER
5	FULL SIZE BLOWOFF VALVE WITH PLUG TO PREVENT TAMPERING
6	U.S.CAPPROVED SHUT-OFF VALVES. SEE SPECIFICATIONS FOR ASSEMBLY
7	APPROVED REDUCED PRESSURE BACKFLOW ASSEMBLY (SIZE PER REQUIREMENT)
8	CHAIN AND LOCK BETWEEN VALVE HANDLES TO PREVENT TAMPERING
9	D.I.P. 90° ELBOW, MJ X FLG WITH MEGA LUG
10	BLIND FLANGE IF NOT CONNECTING IMMEDIATELY AFTER INSTALL OF DEVICE
11	CONCRETE FOOTING
12	GALVANIZED ADJUSTABLE PIPE SUPPORT. SEE YVWD STD. DWG. W-25
13	FACTORY INSTALLED BY-PASS METER ASSEMBLY CONSISTING OF APPRIVED POSITIVE DISPLACEMENT METER, DOUBLE CHECK VALVE AND ASSOCIATED PIPING. BY-PASS METER TO BE SUPPLIED BY THE DISTRICT.

REDUCED PRESSURE BACKFLOW ASSEMBLY WITH BYPASS

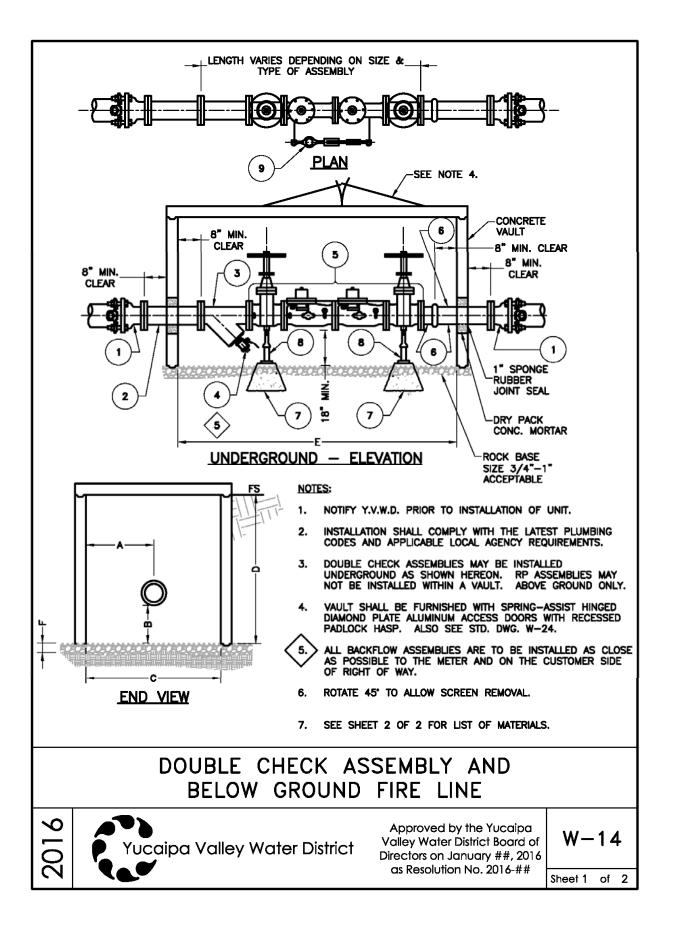
2016

Yucaipa Valley Water District

Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##



	[LIST OF MATERIALS						
	-	1	D.I.P. 90° ELBOW, MJ X MJ WITH MEGA LUGS						
	-	2	D.I.P. HALF SPOOL, FLG x PE						
		3	D.I.P. 90" ELBOW, FLG x FLG						
	_	4	WYE STRAINER						
		5	FULL SIZE BLOWOFF VALVE WITH PLUG TO PREVENT TAMPERING						
		6	APPROVED DOUBLE CHECK BACKFLOW ASSEMBLY						
		7	CHAIN AND LOCK BETWEEN VALVE HANDLES TO PREVENT TAMPERING						
		8	CONCRETE FOOTING						
		9	GALVANIZED ADJUSTABLE PIPE SUPPORT. SEE YVWD STD. DWG. W-25.						
	-	10	FACTORY INSTALLED BY-PASS METER ASSEMBLY CONSISTING OF APPROVED POSITIVE DISPLACEMENT METER, DOUBLE CHECK VALVE AND ASSOCIATED PIPING. BY-PASS METER TO BE SUPPLIED BY THE DISTRICT.						
	L								
DOUBLE CHECK OR REDUCED PRESSURE DETECTOR ASSEMBLY ABOVE GROUND FIRE LINE									
2016		aina	Approved by the Yucain Valley Water District Directors on January ## 2	dof W-13 					
20			Directors on January ##, 2 as Resolution No. 2016-#						



	LIST OF MATERIALS
1	MJ X FLG ADAPTOR WITH MEGA LUG
2	D.I.P. SPOOL, FLG X FLG
3	WYE STRAINER
4	FULL SIZE BLOWOFF VALVE WITH PLUG TO PREVENT TAMPERING
5	APPROVED DOUBLE CHECK BACKFLOW ASSEMBLY
6	D.I.P. HALF SPOOL, VICTAULIC X FLG
7	CONCRETE FOOTING
8	GALVANIZED ADJUSTABLE PIPE SUPPORT, SEE YVWD STD. DWG. W-25
9	FACTORY INSTALLED BY-PASS METER ASSEMBLY CONSISTING OF APPROVED POSITIVE DISPLACEMENT METER, DOUBLE CHECK VALVE AND ASSOCIATED PIPING. BY-PASS METER TO BE SUPPLIED BY THE DISTRICT

UNDERGROUND INSTALLATIONS												
PIPE SIZE	A	В	С	D	E	F	VAULT DIM					
2"	24"	18"	4'	5'	4'	6"	4'x4'					
4-	24"	18"	4'	5'	6'	6"	4'x6'					
6"	24"	18"	4'	5'	8'	6"	4'x8'					
8*	24"	18"	4'	5'	12'	6"	4'x12'					
10"	24"	8"	4'	5'	12'	6"	4'x12'					

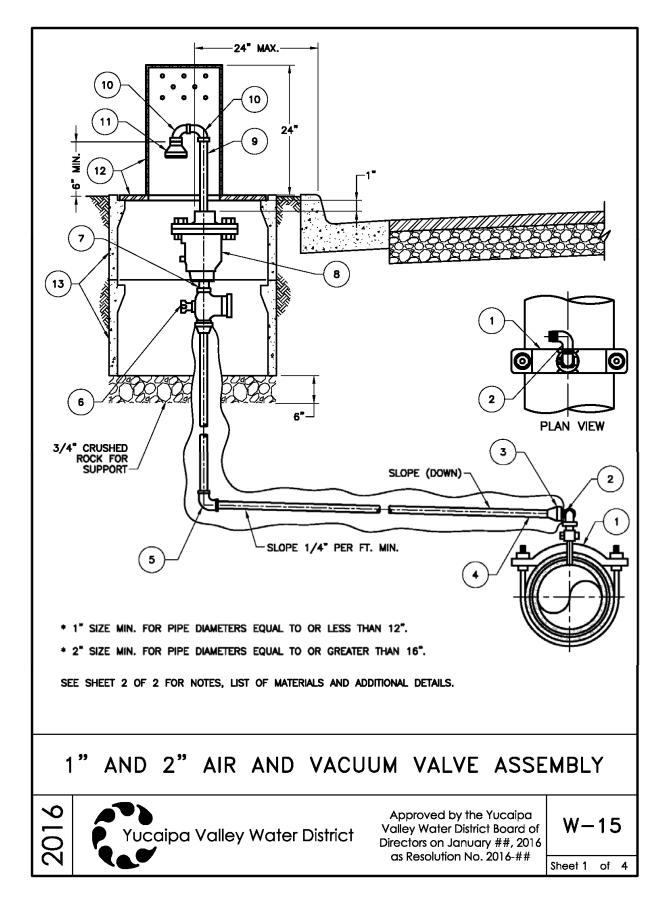
DOUBLE CHECK ASSEMBLY AND BELOW GROUND FIRE LINE

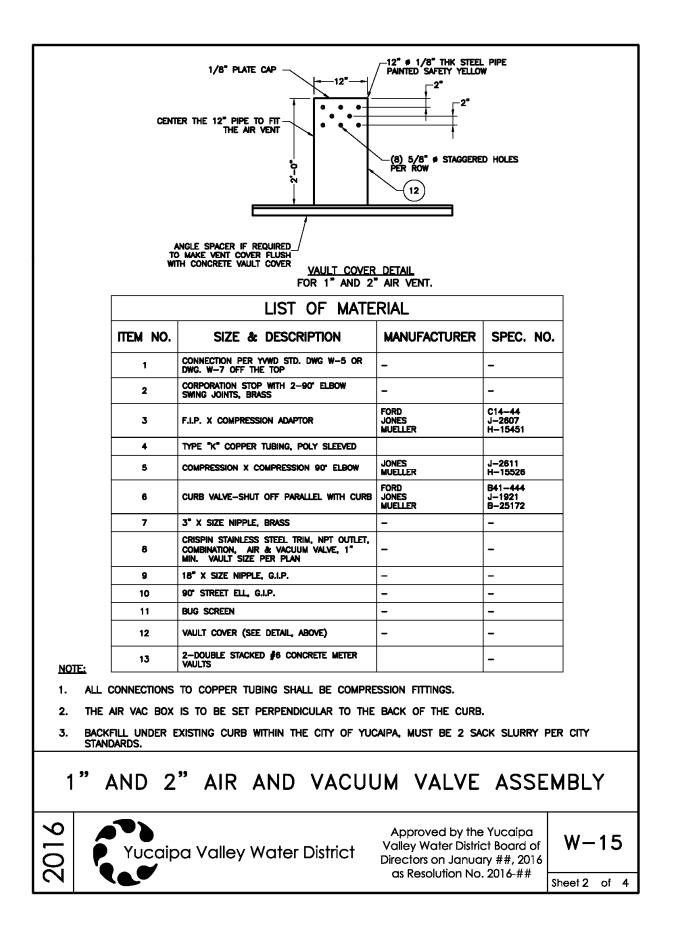
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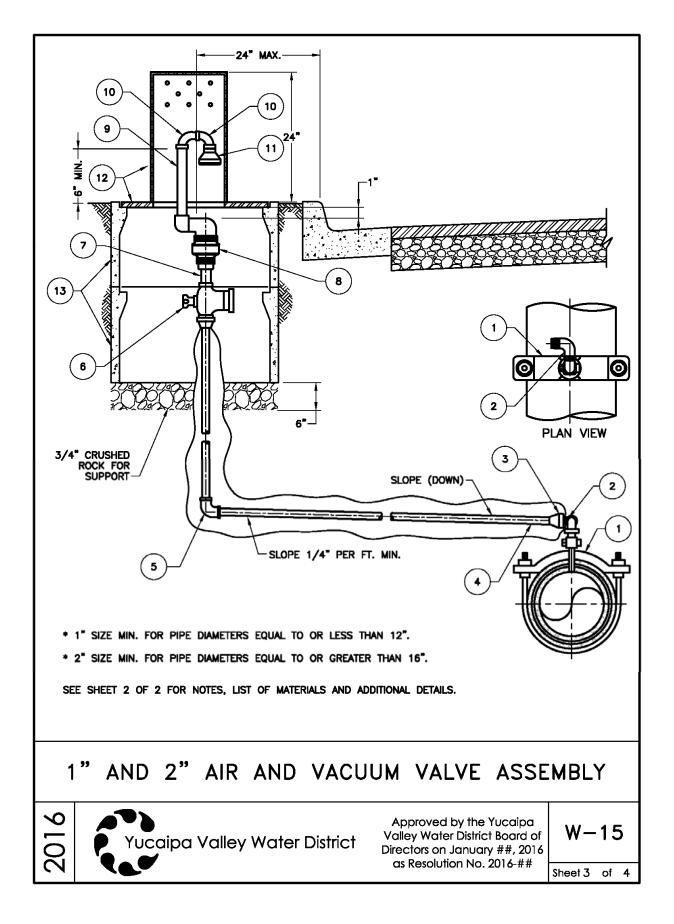
Yucaipa Valley Water District

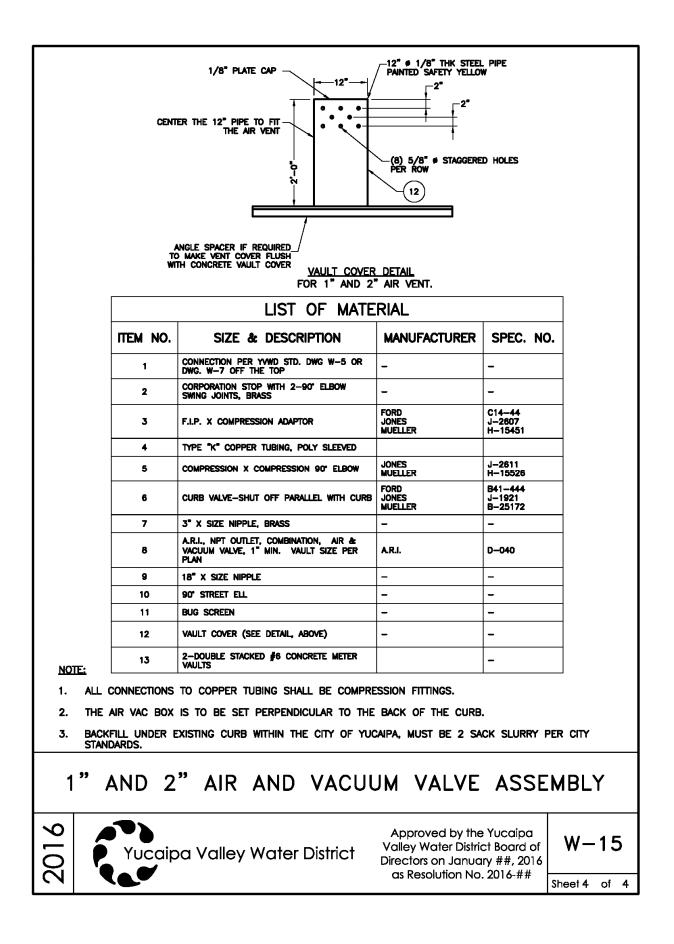
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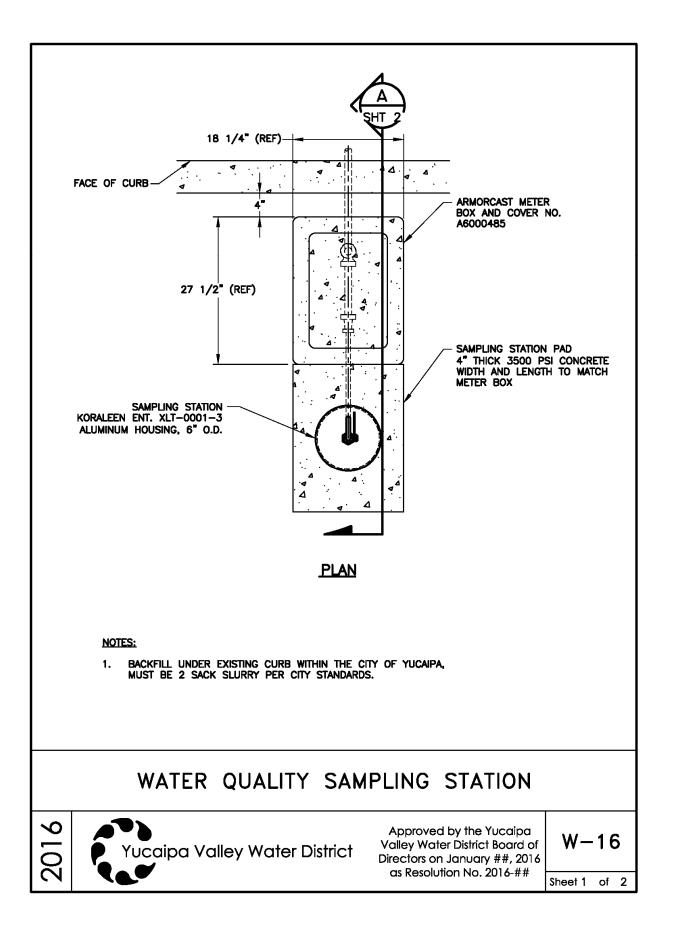
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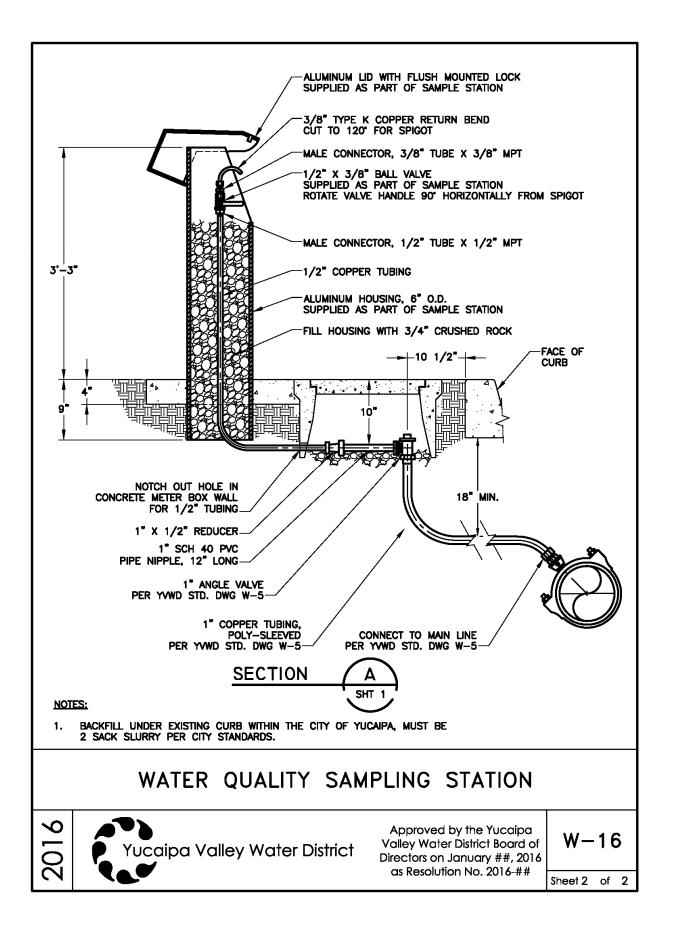


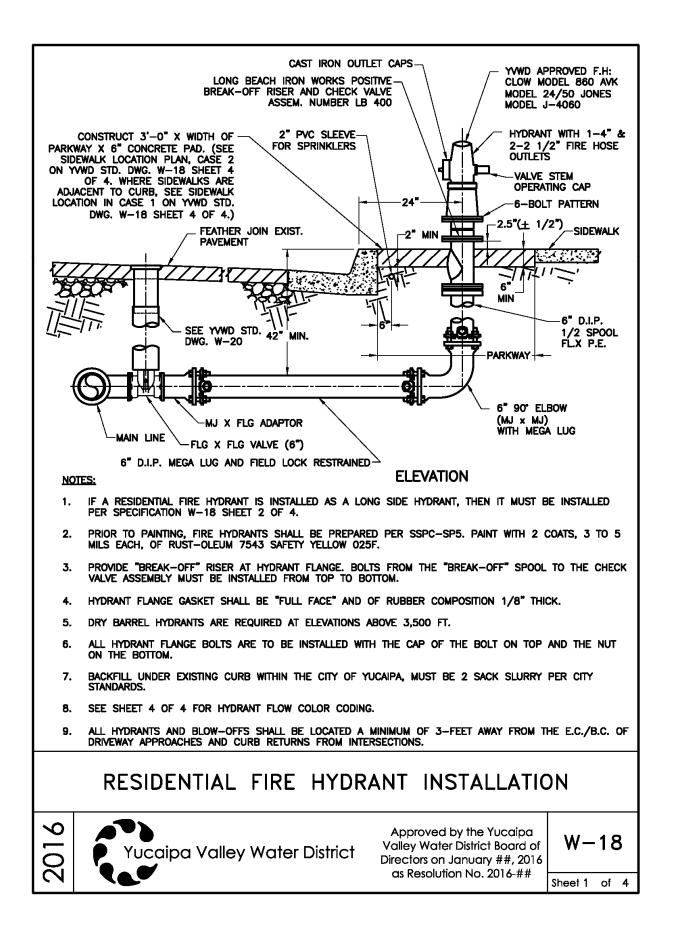


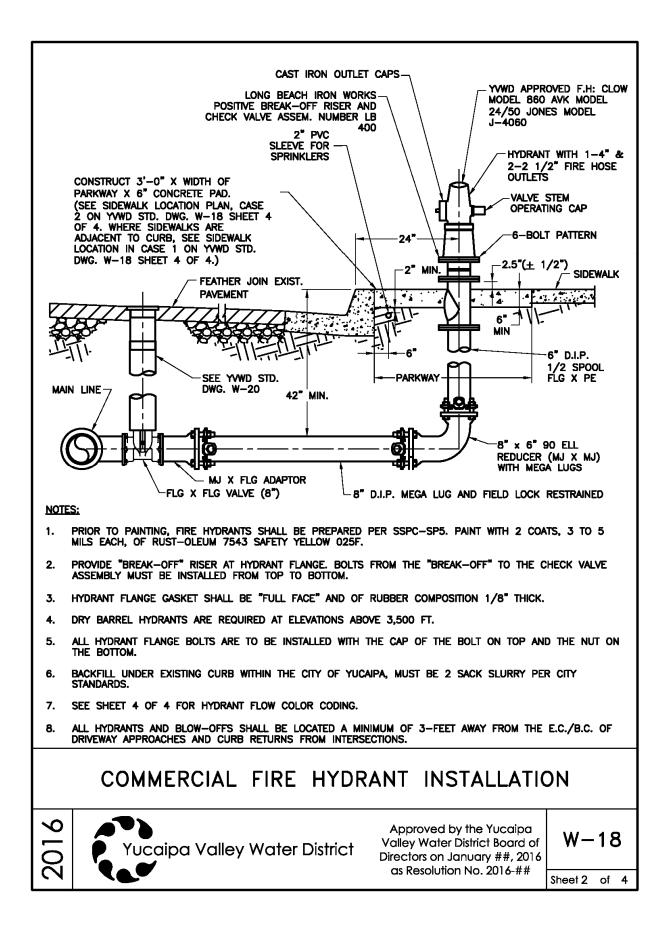


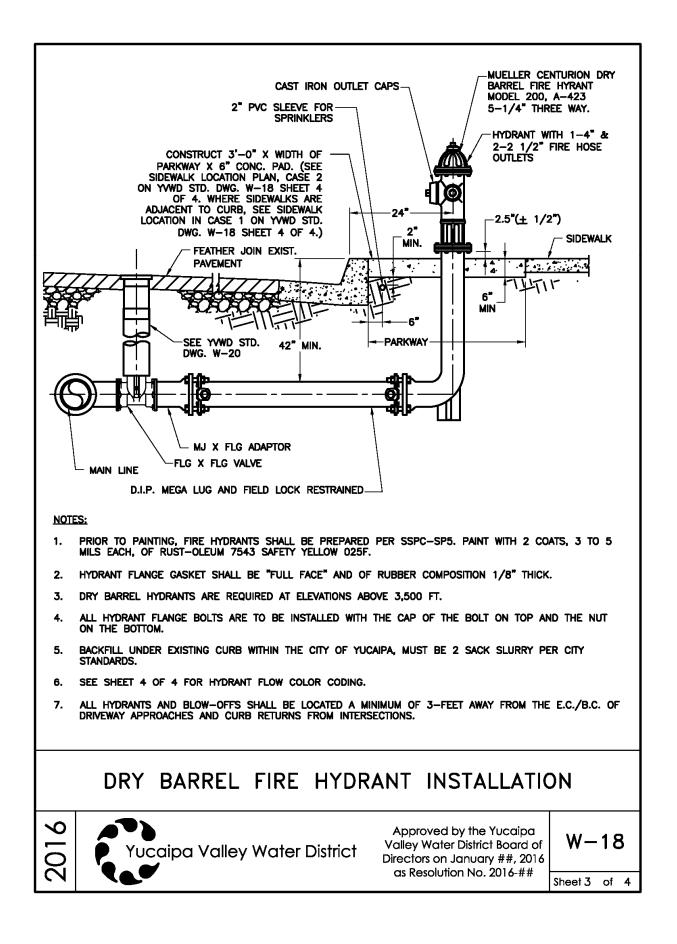


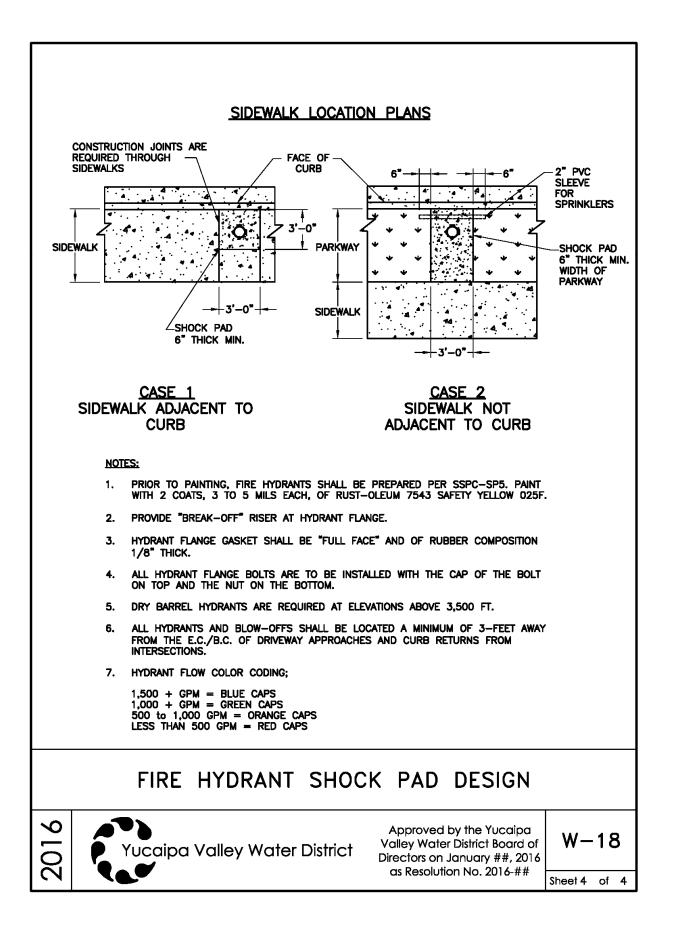


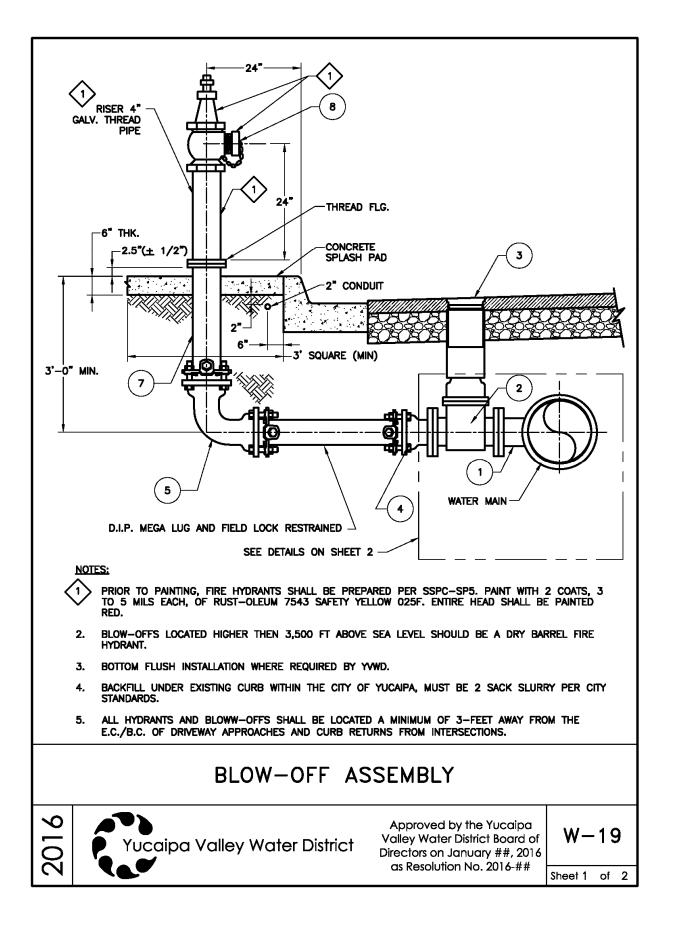


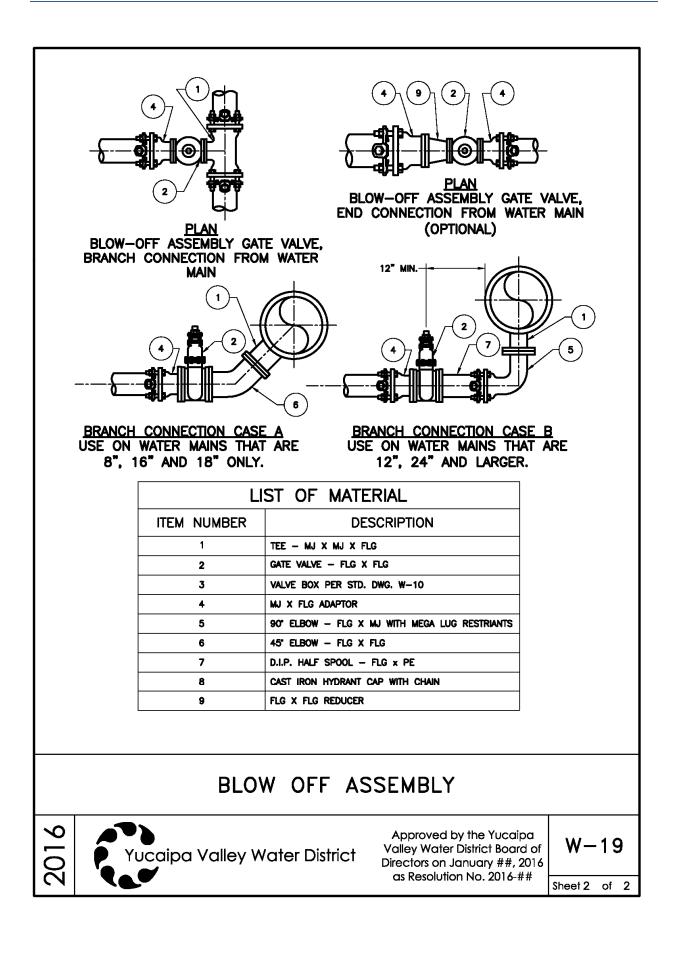


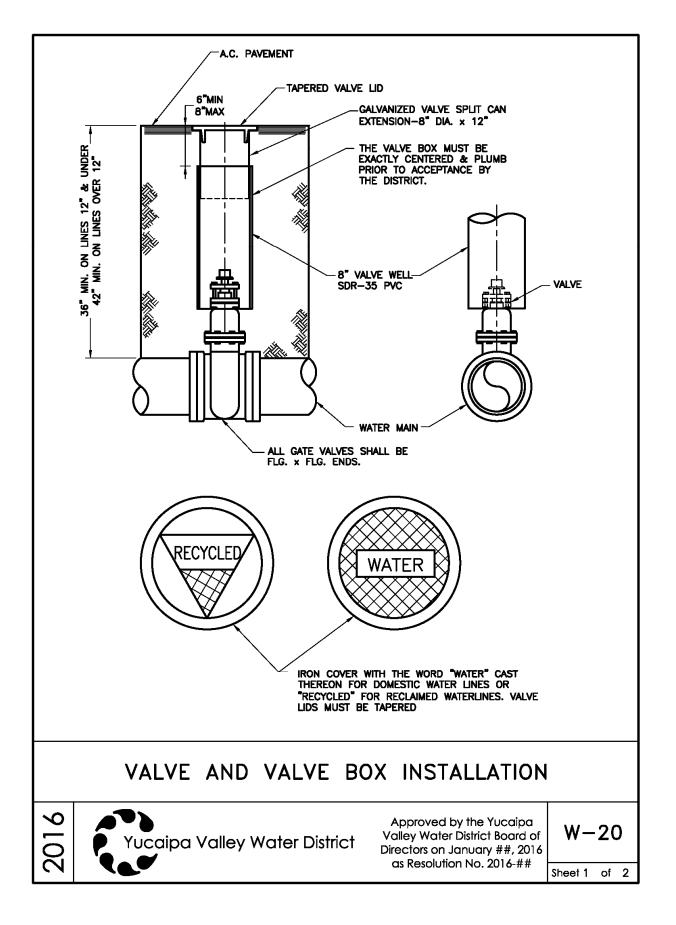


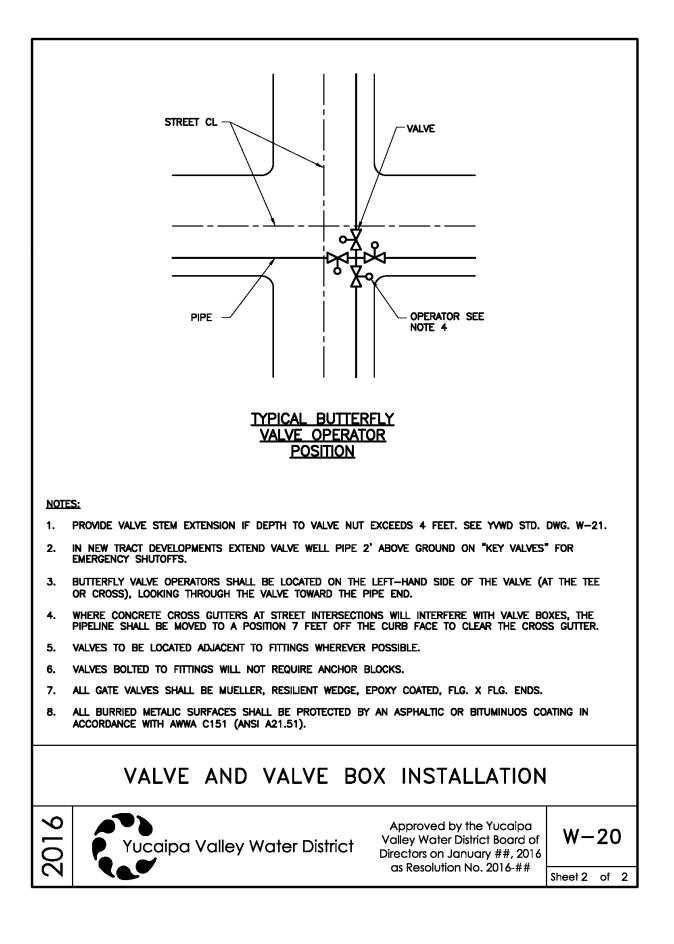


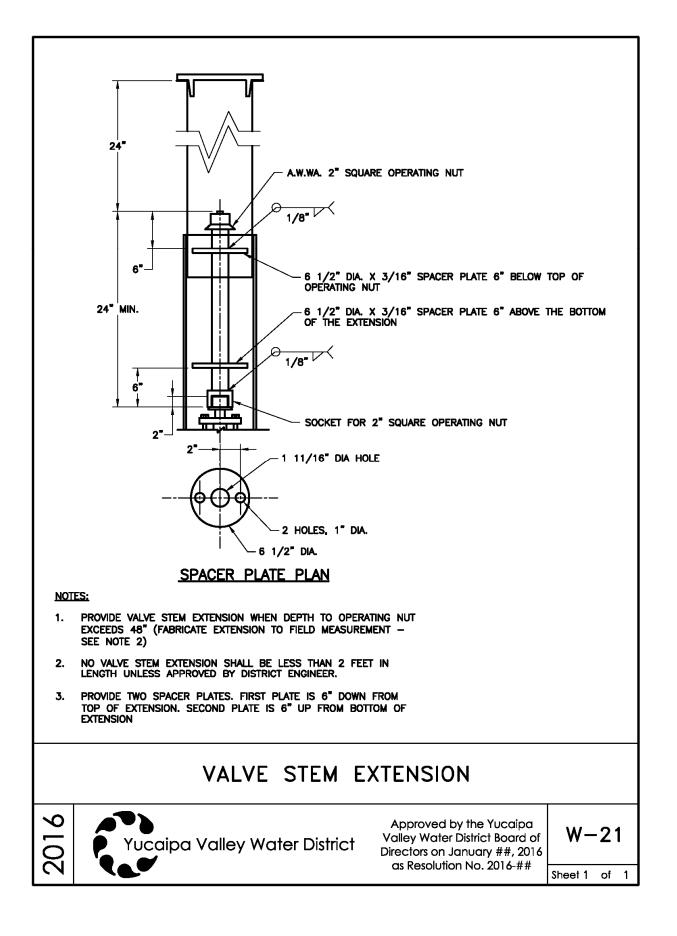


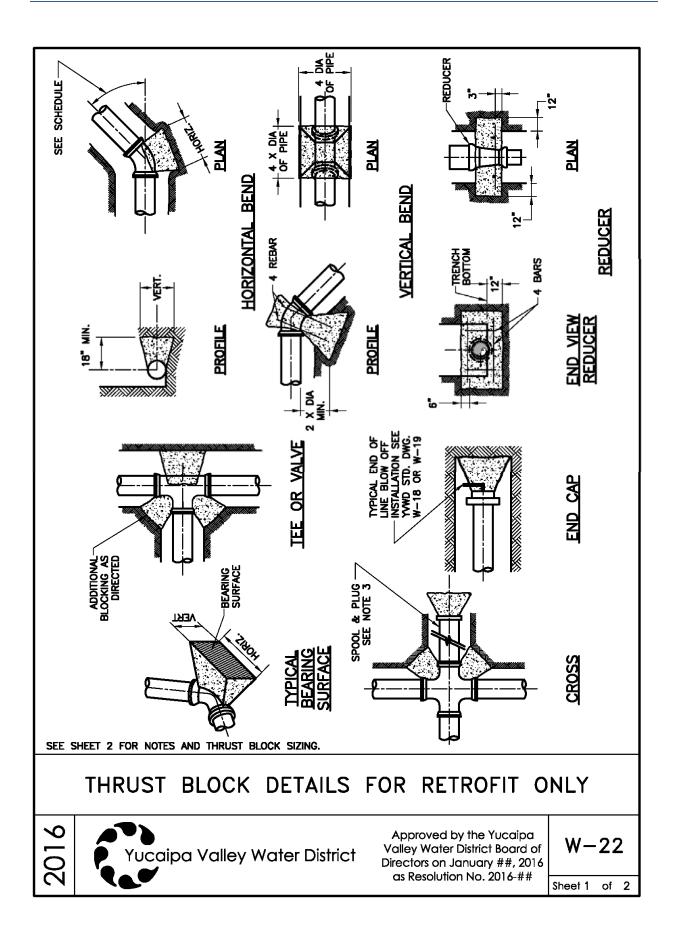




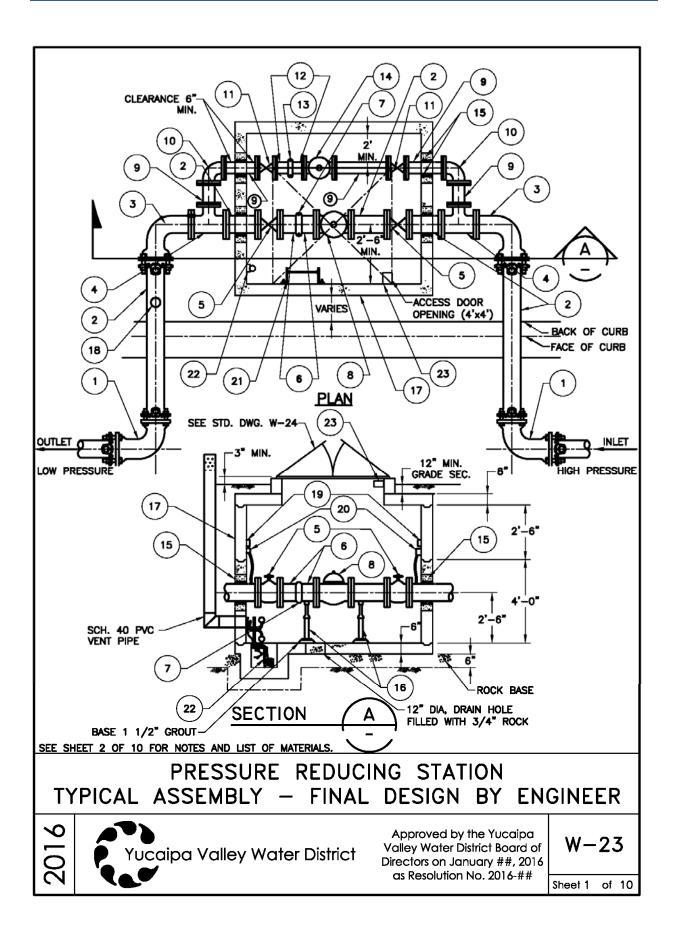




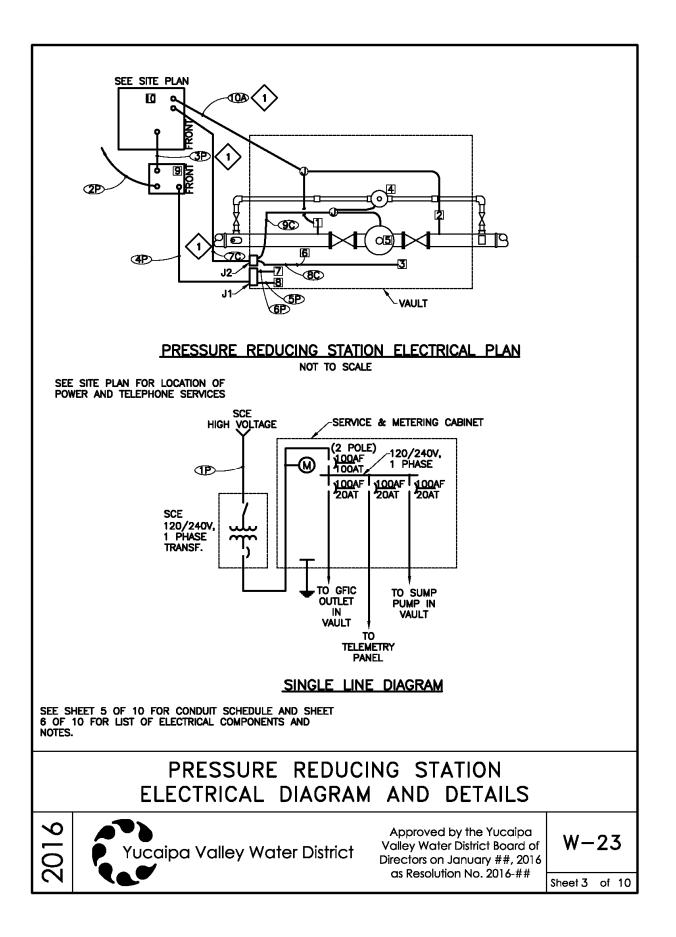


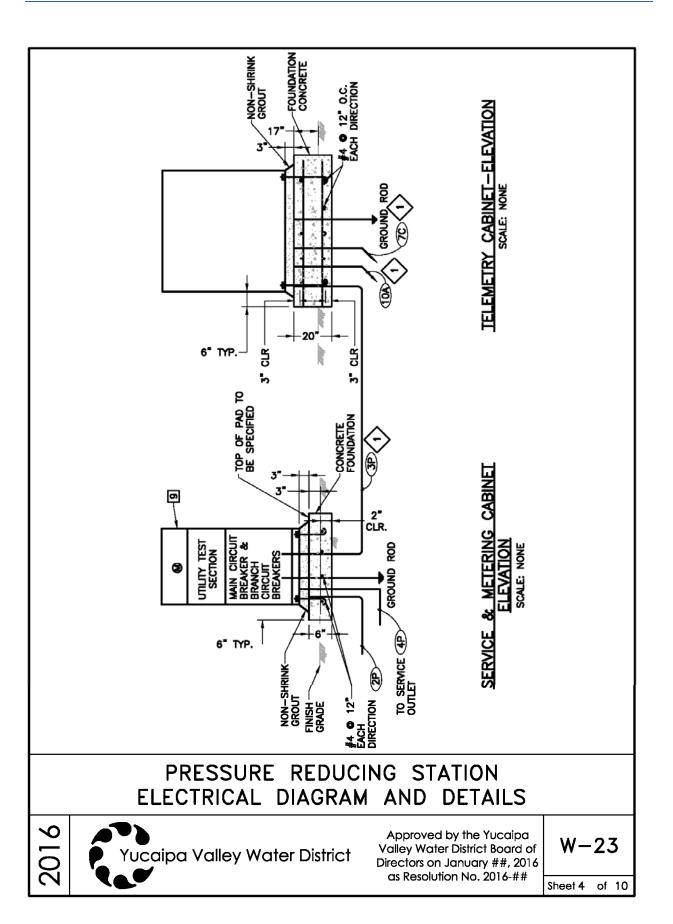


	TEE 90' BEND 45' BE	HORIZ. VERT. HORIZ. VERT. HORIZ. VERT. HORIZ. VERT. HORIZ. VERT.	1'-0" 2'-3" 1'-3" 1'-6" 1'-0" 1'-6" 0'-9" 1'-6"	4'-0" 2'-0" 4'-6" 2'-3" 3'-6" 1'-0" 2'-6" 1'-0" 5'-0" 2'-6" 5'-6" 1'-0" 2'-6" 1'-0"	3'-3" 7'-0"	7'-0" 3'-6" 8'-3" 4'-0" 5'-6" 3'-6" 4'-3" 2'-3" 4'-3" 2'-3"			THRUST BLOCK BEARING AREA BASED ON ALLOWABLE SOIL BEARING VALUE OF 1500 paf PRESSURE AND 225 pai LINE PRESSURE WITH 3'-O" COVER MINIMUM. FOR BEARING = 1000 paf, 1.5 X AREA SHOWN FOR BEARING = 500 paf, 3.0 X AREA SHOWN	all thrust blocks shall be 3,250 PSI concrete and placed against undisturbed soil. Design engineer shall determine sizes not shown.	THRUST BLOCKS ON CROSSES SHALL BE USED ONLY WHEN THERE IS A STUB-OUT ON ONE OR MORE SIDES.	L SHALL CONFORM TO ASTM A15 AND A305 INTERMEDIATE GRADE.	CONCRETE SHALL NOT EXTEND ONTO FLANCE OR ADJOINING PIPE.	L FITTINGS SHALL BE WRAPPED WITH 10 MIL PLASTIC.	L FITTINGS SHALL BE MECHANICALLY RESTRAINED UNLESS APPROVED BY YVWD.		
	END CAP.	SIZE HORIZ. VERT. HORIZ	1'-6" 1'-6"	6" 2'-6" 1'-9" 4'-0' 8" 3'-9" 2'-0" 5'-0'	4'-6" 2'-6"	5'-3" 3'-0"		NOTES:	1. THRUST BLOCK BEARING / AND 225 psi LINE PRESSI FOR BEARING = 1000 psi FOR BEARING = 500 psi	2. All thrust blocks shal design engineer shall 1	3. THRUST BLOCKS ON CROS MORE SIDES.	4. REINFORCING STEEL SHALL	5. CONCRETE SHALL NOT EXT	6. ALL FITTINGS SHALL BE W	7. ALL FITTINGS SHALL BE M		
							ILS	F	Approv	ed by	the Y	uca	ipa			2.2	
2016 ^{And}	aipa '	Valle	∋у \	Na [.]	ter	D	istrict		Approv Valley W Directors as Reso	ater É on Ja	District nuary	Boa ##,	rd o 201	6		-22 of 2	



	LIST OF MATERIALS						
	ITEM	QUANTITY	DESCRIPTION				
	MAIN LI	NE					
	1	2 EA	D.I.P. 90° ELBOW, MJ X MJ, RESTRAINED				
	2	5 EA	D.I.P. SPOOL, LENGTH AS REQUIRED, RESTRAINED				
	3 2 EA		D.I.P. 90° ELBOW, MJ X FLG				
	4	2 EA	FLANGED TEE D.I.				
	5	2 EA	RESILIENT SEAT GATE VALVE				
	6	2 EA	FLG x GROOVED-END SPOOL, VICTAULIC				
	7	1 EA	GROOVED-END COUPLING, VICTAULIC				
	8	1 EA	PRESSURE REDUCING VALVE, W/FULL CLOSED POSITION SWITCH. MANUFACTURED BY CLA-VAL COMPANY ONLY.				
	15	4 EA	1" SPONGE RUBBER SEAL AROUND PIPE. DRYPACK WITH CONCRETE MORTAR				
	16	4 EA	ADJUSTABLE PIPE SUPPORT. SEE YVWD STD. DWG. W-25				
	BY-PAS	IS LINE					
	9	5 EA	D.I. SPOOL, LENGTH AS REQUIRED, FLG'D ENDS				
	10	2 EA	FLG x FLG D.I. 90" ELL				
	11	2 EA	RESILIENT SEATED GATE VALVE				
	12	2 EA	FLG x GROOVED-END SPOOL, VICTAULIC				
	13	1 EA	GROOVED-END COUPLING, VICTAULIC				
	14	1 EA	PRESSURE REDUCING VALVE, W/FULL CLOSED POSITION SWITCH.				
	MISCELL	ANEOUS					
	17	1 EA	PRECAST CONCRETE VAULT 6'-0"x8'-0" OR 6'-0"x10'-0" WITH 4'x4" HATCH. PROVIDE DIAMOND PLATE ALUMINUM ACCESS DOORS WITH RECESSED PADLOCK HASP.				
	18	1 EA	1" AIR VAC DOWNSTREAM OR LOW PRESSURE SIDE OF CLAY-VAL STATION PER YVWD STD. DWG. W-15				
	19	2 EA	PRESSURE GAUGE (ASHCROFT 0-150 PSI)				
	20	2 EA	PRESSURE TRANSMITTER, PER W-23 SHEET 10 OF 10				
	21	1 EA	GALV. STEEL LADDER (ALHAMBRA FOUNDRY) W/LADDER UP AND SS ANCHOR BOLTS				
	22	1 EA	FLOOD LEVEL SWITCH & SUMP PUMP, NO SUMP PUMP REQUIRED IF A POSITIVE CONNECTION TO STORM DRAIN IS PROVIDED.				
NOTES	23	1 EA	DOOR ENTRY SWITCH, PER W-23 SHEET 9 OF 10				
			NATURE AND MAY NEED TO REQUIREMENTS.				
	Г	סבכנו	IDE DEDITONIC STATION				
PRESSURE REDUCING STATION TYPICAL ASSEMBLY – FINAL DESIGN BY ENGINEER							
2016) Jcaip	a Valley	Water District Approved by the Yucaip Valley Water District Board Directors on January ##, 20 as Resolution No. 2016-#:	of W-23			
			as Resolution No. 2018-#3	# Sheet 2 of 10			



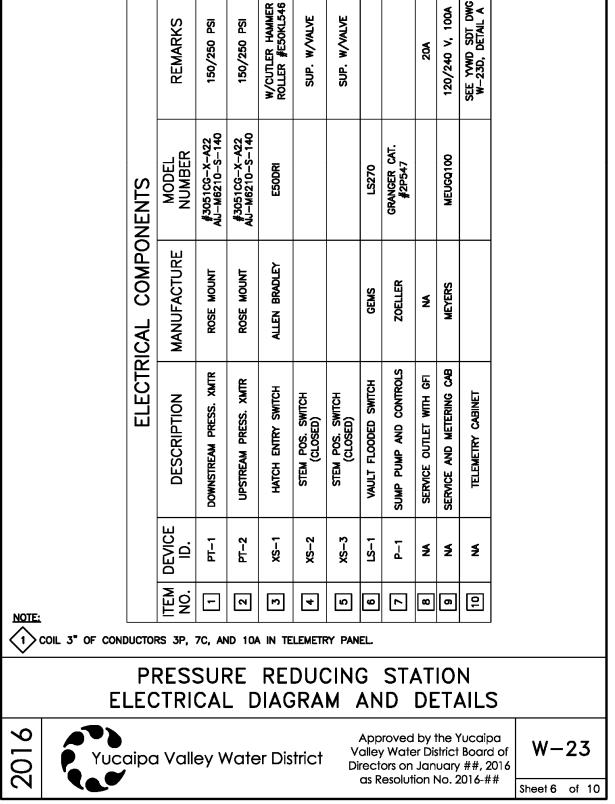


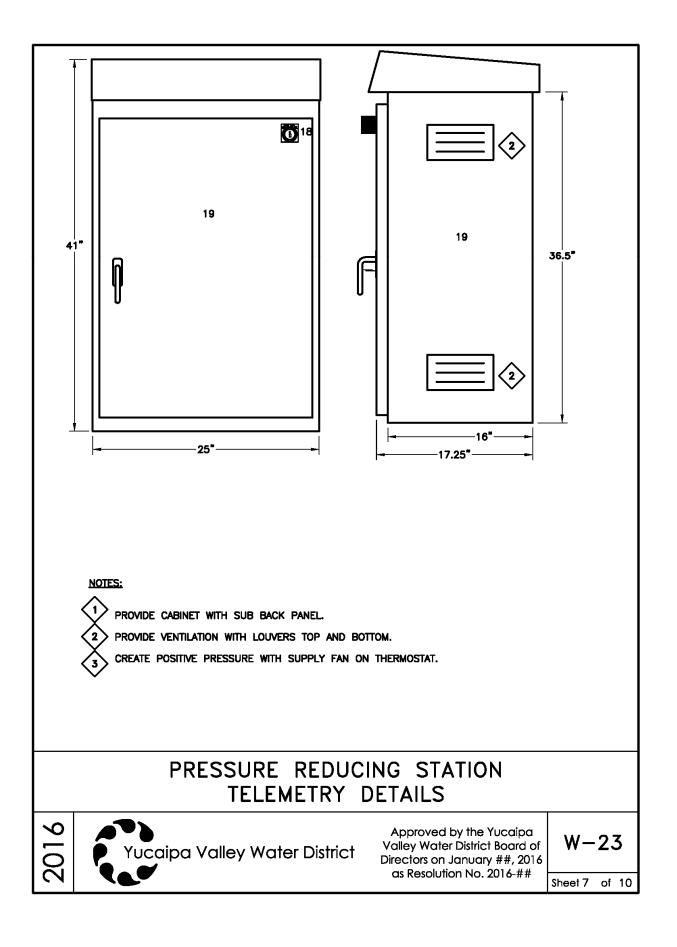
Workshop Memorandum No. 16-049

2016

												r – –						
	NOTAOO	REMARKS		IF REQ'D	120/240 SVS FDR	SEE NOTE	SUMP PUMP &			SEE NOTE			see note					
			LOCATION	٩	EXISTING SCE POWER	SVS & MTR CAB	TELEMETRY CAB	PULL BOX J1	OUTLET W/GFI	SUMP PUMP &	PULL BOX J2	XS-1,LS-1	XS-2,XS-3	РТ−1,РТ−2				
			FROM	SCE XFMR	SCE XFMR	SVS & MTR CAB	SVS & MTR CAB	PULL BOX J1	PULL BOX J1	TELEMETRY CAB	PULL BOX J2	PULL BOX J2	TELEMETRY CAB					
	CONDUIT SCHEDULE	DESCRIPTION	USE	POWER	POWER	POWER	POWER	POWER	POWER	CONTROL	CONTROL	CONTROL	CONTROL					
	CO	WIRE	QTY. SIZE	C.O.	C.O.	2 ∯12&1 ∰12 GND	4 # 12&1#12 GND	2#12&1#12 GND	2 ∯12&1∯12 GND	8#14&1#12 GND	4#14&1#12 GND	4#14&1#12 GND	2,2/C#18 SH.&1#12GND					
			IZE	.4	ъ.	3/4"	3/4"	3/4"	3/4"	-	3/4"	3/4"	-					
		CONDUIT	QTY. SIZE	-	-	-	-	-	-	-	-	-	-					
		SYMBOL		۹	æ	æ	(€	€	B	۵	8	(j					
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Yuc	aipc 1	a Val	lley	Wa	Iter	Distr	ict		/alley irecto	Wat ors o	ter É n Ja)istric nuar	Yucaip t Board y ##, 2 2016-#	d of 2016	V Shee	V −2	23 of	

Sheet 5 of 10





ITEM		T OF TELEMETF			
NO.	QTY.	DESCRIPTION	NUMBER	MANUFACTURER	TYPE
1	1				
1	2	MULTIPLEXER	245-19	BIF/AQUA	FREQ. T.B.D.
1	1	TRANSMITTER	245-05	BIF/AQUA	FREQ. T.B.D.
1	1	RECEIVER	245-09	BIF/AQUA	FREQ. T.B.D.
1	1	DEMULTIPLEXER	245-20	BIF/AQUA	FREQ. T.B.D.
2	1	DC POWER SUPPLY	HC-28-2-A	POWER-ONE	28VDC, 2A
3	3	CONTROL RELAYS	RR2P-UL-120	IDEC	2PDT
4	1	TIME DELAY RELAY	TCB-115-2-10	R-K	ON DELAY
4	2	TIME DELAY RELAY	TFB-115-2-180	R–K	OFF DELAY
5	1	LOW VOLTAGE PROTECTOR	258-40	BIF/AQUA	ELECTRONIC
6	8	POWER/SIGNAL TERM.	1492-CA1	ALLEN-BRADLEY	600V, 55A
7	1	LINE SURGE PROTECTOR	245-23	BIF/AQUA	ELECTRONIC
8	1	POWER TRANSFER UNIT	258-36	BIF/AQUA	ELECTRONIC
9	8	POWER/SIGNAL TERM.	1492-CA1	ALLEN-BRADLEY	600V, 55A
10	48	TELEMETRY TERMINALS	UK4	PHOENIX	600V, 20A
11	1	UTILITY RECEPTACLE	1591FI	PASS & SEYMOUR	GFI 15A
12	1	TELEPHONE CO. RECPT.	GE5251-2	G.E.	SIMPLEX 15A
13	1	SPACE HEATER	D-AH4001B	HOFFMAN	400 WATT
14	4	GELL CELL BATTERY	NP24-12	YUASA-EXIDE	12V 24AH
15	1	PLYWOOD BAT. SUPPORT	N/A		
16	1	FLUORESCENT LIGHT	2V687/1V173	GRAINGER	15 WATT
17	1	INTRUSION LIGHT SWITCH	10316H2042	CUTLER-HAMMER	LIMIT SWITCH
18	1	INTRUSION AL. OVERRIDE	10250T15113	CUTLER-HAMMER	2 POS. SEL SV
1)19	1	TELEMETRY CABINET. THREE POINT PAD LOCKABLE DOOR HANDLE. SOLID BOTTOM.	LS412516AL	HENNESSY	NEMA 4X 5052-H32 Aluminum All(0.125" Thick
20	1	CIRCUIT BREAKER	1492-CB1H20	ALLEN-BRADLEY	20A ONE POLE

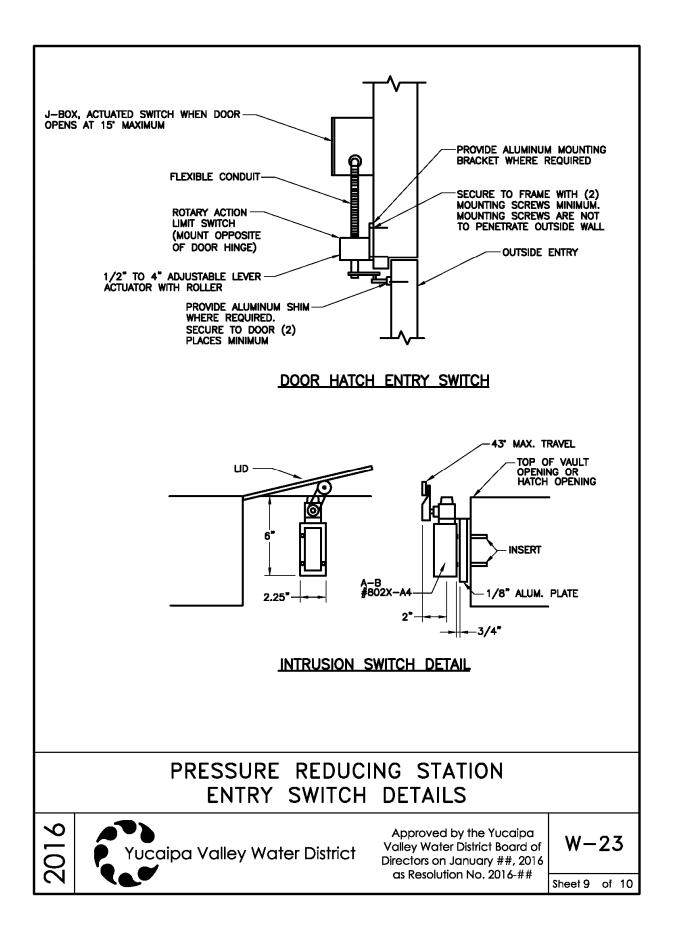
PRESSURE REDUCING STATION TELEMETRY DETAILS

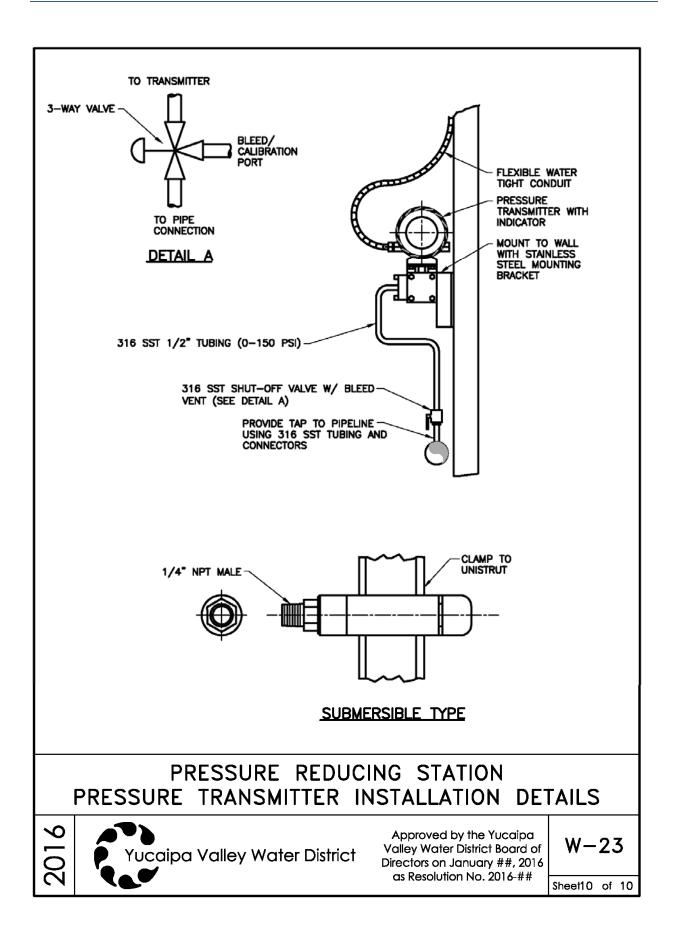
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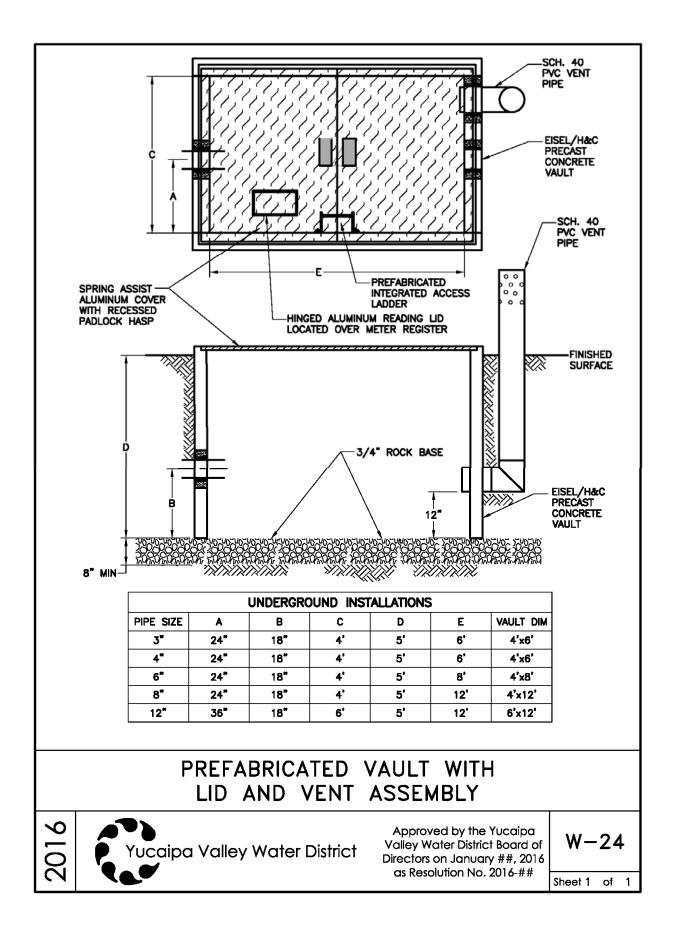
Yucaipa Valley Water District

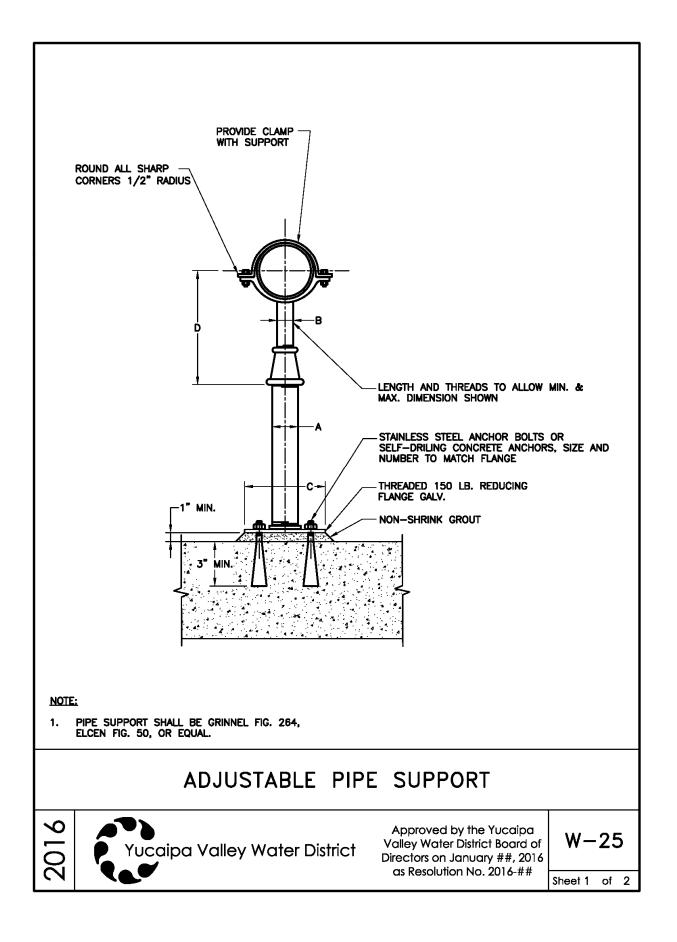
Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##

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		PE SADL	DLE SUPE S IN INC		HEDULE
PIPE	Α	в	с	[[כ
SIZE				MINIMUM	MINIMUM
2 1/2	2 1/2	1 1/2	9	8	13
3	2 1/2	1 1/2	9	8 1/2	13 1/2
3 1/2	2 1/2	1 1/2	9	8 1/2	13 1/2
4	3	2 1/2	9	9 1/2	14
6	3	2 1/2	9	10 1/2	15 1/2
8	3	2 1/2	9	11 1/2	16 1/2
10	3	2 1/2	9	13 1/2	18 1/2
12	3	2 1/2	9	15	19 1/2
14	4	3	11	16 1/2	20 1/2
16	4	3	11	17 1/2	22 1/2
18	6	3 1/2	13 1/2	19 1/2	24
20	6	3 1/2	13 1/2	21	25 1/2
24	6	4	13 1/2	23 1/2	28 1/2
30	6	4	13 1/2	27	31 1/2
32	6	4	13 1/2	28 1/2	32 1/2
36	6	4	13 1/2	30 1/2	34 1/2

ADJUSTABLE PIPE SUPPORT

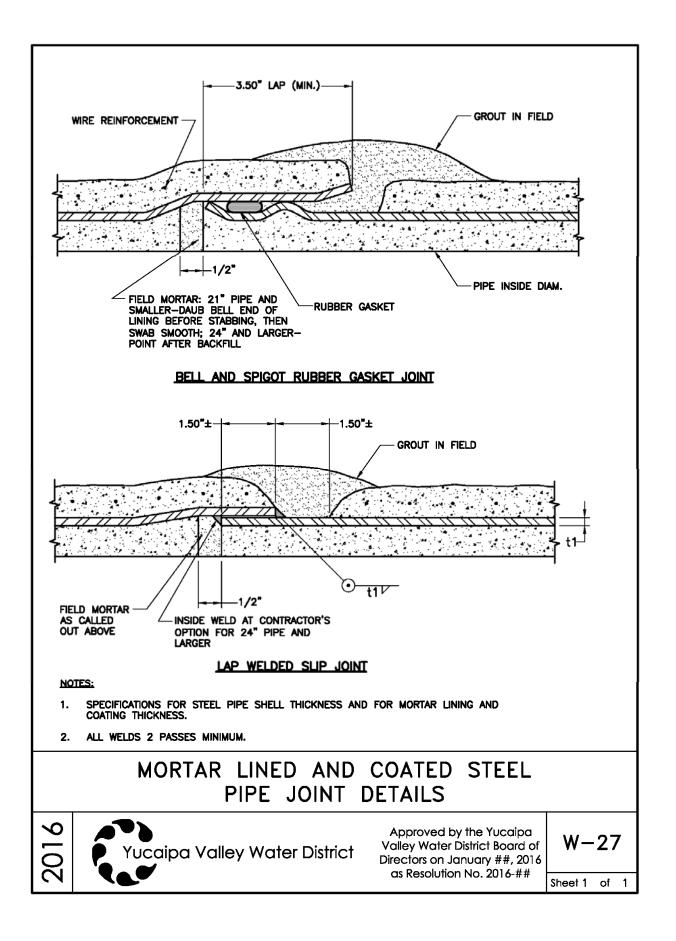
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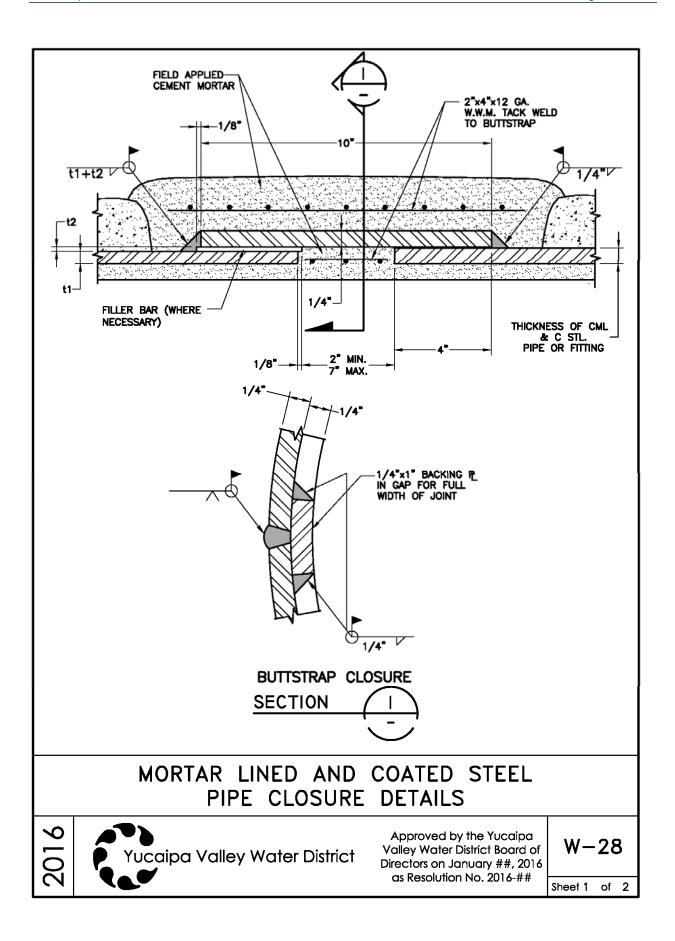
Yucaipa Valley Water District

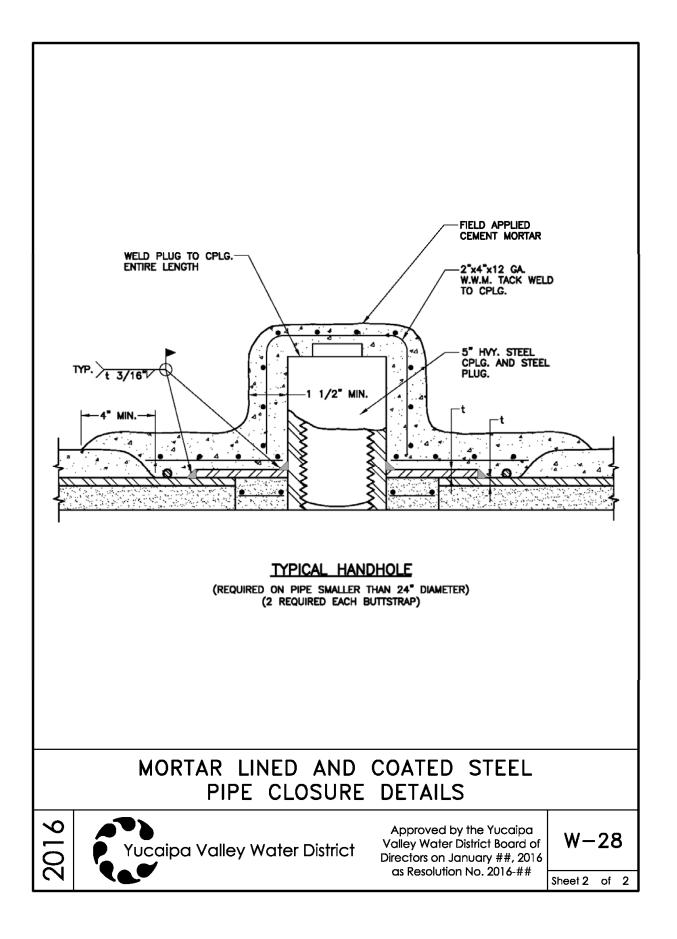
Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##

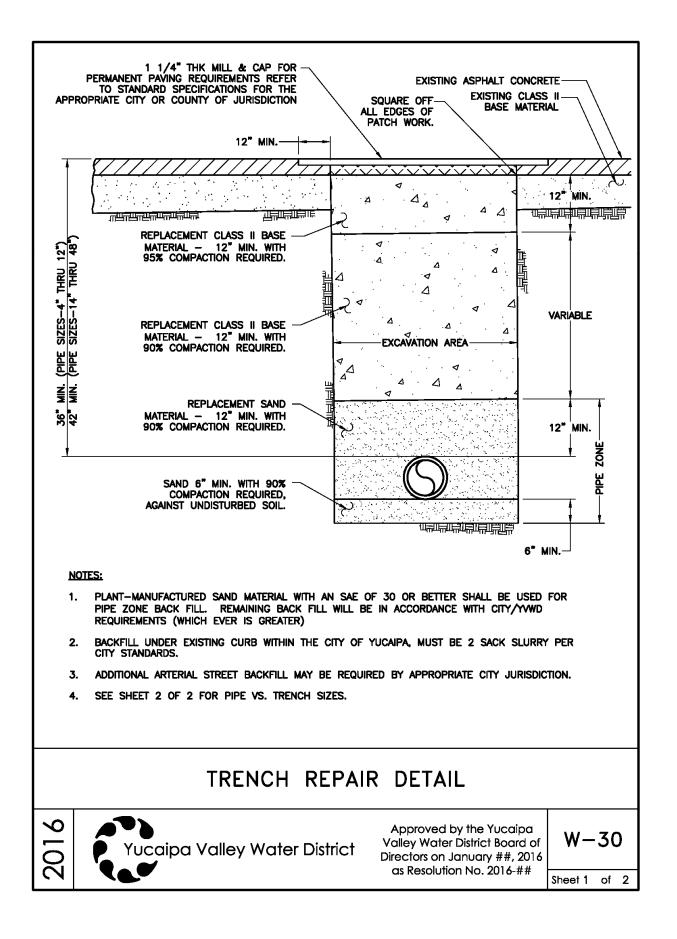
Sheet 2 of 2

SCHEDU	LE STEEL CA	ASING		-STEEL CASING
NOMINAL CARRIER PIPE SIZE	MINIMUM CASING SIZE	MIN. WALL THICK.		CARRIER
4"	10 3/4 O.D.	1/4"		
6"	12 3/4 O.D.	1/4"		
8"	16" O.D.	5/16"		
12"	24" O.D.	3/8"		
16"	30" O.D.	3/8"		\backslash
20"	36" O.D.	3/8"	/	
24"	36" O.D.	3/8"	✓ FOR EACH LENGTH OF CASING AND SPACERS SH	ALL BE
30"	48" O.D.	3/8"	SPACED 6' APART AND FROM EACH END OF P	
AIR-BLOWN SA	ND. BE INSTALLED BY THE E	BORE, JACK AND/() with
THE ANNULAR AIR-BLOWN SA CASING SHALL SIZE AND THIC BORES OR SPE SCHEDULE MAY ALL STEEL CAS PSI CASING SP	ND. BE INSTALLED BY THE E KNESS OF CASING SHALL COAL SITUATIONS, GREATI ' BE REQUIRED. SING PIPE FIELD JOINTS ACERS SHALL BE PROVI	Bore, Jack and/(_ be as shown i er wall thicknes Shall be welded ded per detail a	OR TUNNEL METHOD. N SCHEDULE. FOR LONG S THAN SHOWN IN THE FULL-CIRCUMFERENCE. BOVE.) WIT H
 THE ANNULAR AIR-BLOWN SA CASING SHALL SIZE AND THIC BORES OR SPE SCHEDULE MAY ALL STEEL CAS PSI CASING SP CARRIER PIPE 	ND. BE INSTALLED BY THE E KNESS OF CASING SHALL CIAL SITUATIONS, GREAT BE REQUIRED. SING PIPE FIELD JOINTS ACERS SHALL BE PROVI SHALL BE PRESSURE TE	Bore, Jack and/o _ be as shown i er wall thicknes Shall be welded ded per detail a sted prior to fi	OR TUNNEL METHOD. N SCHEDULE, FOR LONG IS THAN SHOWN IN THE FULL-CIRCUMFERENCE. BOVE. LLING CASING.) WIT H
 THE ANNULAR AIR-BLOWN SA CASING SHALL SIZE AND THIC BORES OR SPE SCHEDULE MAY ALL STEEL CAS PSI CASING SP CARRIER PIPE EACH END OF 	ND. BE INSTALLED BY THE E KNESS OF CASING SHALL ECIAL SITUATIONS, GREAT ' BE REQUIRED. SING PIPE FIELD JOINTS VACERS SHALL BE PROVI SHALL BE PRESSURE TE CASING SHALL BE SEALE	Bore, Jack and/o Be as shown i Er wall thicknes Shall be welded Ded per detail a Sted prior to fi ED with concrete	or Tunnel Method. In Schedule, for Long Is Than Shown in The Full-Circumference. Bove. Lling Casing.) WITH
 THE ANNULAR AIR-BLOWN SA CASING SHALL SIZE AND THIC BORES OR SPE SCHEDULE MAY ALL STEEL CAS PSI CASING SP CARRIER PIPE EACH END OF CONTRACTOR S 	ND. BE INSTALLED BY THE E KNESS OF CASING SHALL CIAL SITUATIONS, GREAT BE REQUIRED. SING PIPE FIELD JOINTS ACERS SHALL BE PROVI SHALL BE PRESSURE TE CASING SHALL BE SEALE CASING SHALL BE SEALE CASING SHALL BE SEALE CASING IN OPEN CUT	Bore, Jack and/ Be as shown i Fr Wall Thickness Shall be welded Ded per detail a Sted prior to fi ED with concrete ESSARY THRUST RI	OR TUNNEL METHOD. N SCHEDULE. FOR LONG S THAN SHOWN IN THE FULL-CIRCUMFERENCE. BOVE. LLING CASING. STRAINT DEVICES.) with
 THE ANNULAR AIR-BLOWN SA CASING SHALL SIZE AND THIC BORES OR SPE SCHEDULE MAY ALL STEEL CAS PSI CASING SP CARRIER PIPE EACH END OF CONTRACTOR S BACK FILL FOR STD. DWG. W-3 	ND. BE INSTALLED BY THE E KNESS OF CASING SHALL CIAL SITUATIONS, GREAT BE REQUIRED. SING PIPE FIELD JOINTS ACERS SHALL BE PROVI SHALL BE PRESSURE TE CASING SHALL BE SEALE CASING SHALL BE SEALE CASING SHALL BE SEALE CASING IN OPEN CUT	BORE, JACK AND/O BE AS SHOWN I ER WALL THICKNES SHALL BE WELDED DED PER DETAIL A STED PRIOR TO FI ED WITH CONCRETE ESSARY THRUST RI SHALL BE IN ACCO	OR TUNNEL METHOD. N SCHEDULE. FOR LONG S THAN SHOWN IN THE FULL-CIRCUMFERENCE. BOVE. LLING CASING. STRAINT DEVICES.) WITH
 THE ANNULAR AIR-BLOWN SA CASING SHALL SIZE AND THIC BORES OR SPE SCHEDULE MAY ALL STEEL CAS PSI CASING SP CARRIER PIPE EACH END OF CONTRACTOR S BACK FILL FOR STD. DWG. W-3 	ND. BE INSTALLED BY THE E KNESS OF CASING SHALL CIAL SITUATIONS, GREAT BE REQUIRED. SING PIPE FIELD JOINTS ACERS SHALL BE PROVII SHALL BE PRESSURE TE CASING SHALL BE SEALE HALL FURNISH ALL NECE CASING IN OPEN CUT 30. ACERS REQUIRED, SIZE	BORE, JACK AND/O BE AS SHOWN I ER WALL THICKNES SHALL BE WELDED DED PER DETAIL A STED PRIOR TO FI ED WITH CONCRETE ESSARY THRUST RI SHALL BE IN ACCO	OR TUNNEL METHOD. IN SCHEDULE, FOR LONG IS THAN SHOWN IN THE FULL-CIRCUMFERENCE. BOVE. LLING CASING. ESTRAINT DEVICES. ORDANCE WITH YVWD) WITH

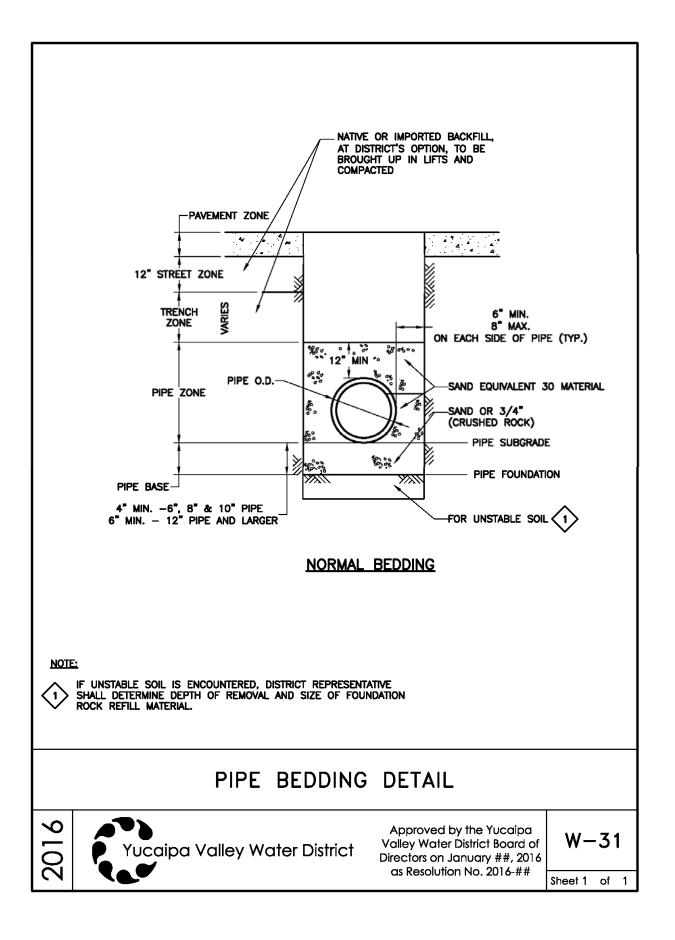


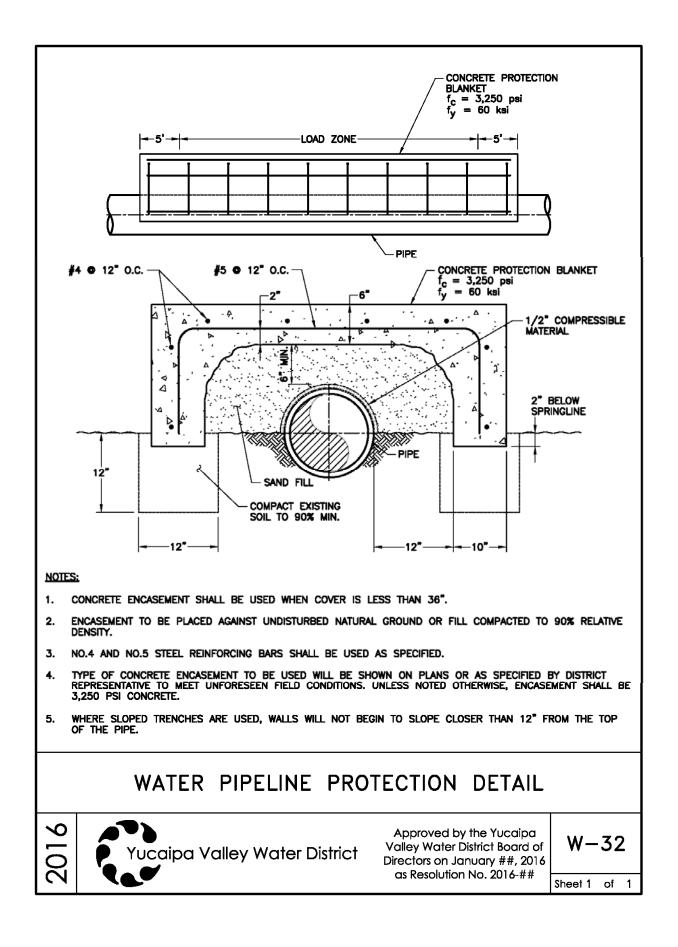






	TRENCH REPAIR	R-PIPE SIZE V	S TRENCH SIZE	
	PIPE SIZE-INCHES	TRENCH WI	DTH-INCHES	
	(INSIDE DIAMETER)	MINIMUM	MAXIMUM	
	4	18	24	
	6	20	30]
	8	24	32	
	10	24	36	
	12	30	36	
	14	32	42	
1	16	34	42	
1	24	38	46	
1	29	42	46	
1	30	46	48	
	36	-	-	
1	48	-	_	J
	TRENC	CH REPAIR DE	TAIL	
2016	Yucaipa Valley Wa	ater District Valley	ors on January ##, 2016	V-30







12770 Second Street, Yucaipa, California 92399 Phone: (909) 797-5117

Standard Specifications for the Design and Processing, Furnishing of Materials, and Construction of Sewer Facilities

March ___, 2016

YVWD SEWER FACILITY STANDARDS DRAWING INDEX (NUMERICAL)

S-1 STANDARD LEGEND

- S-2 SEWER MAINLINE LOCATION
- S-3 MANHOLE DETAIL
- S-4 CONCRETE BASE AND JOINT DETAIL
- S-5 ADJUSTING EXISTING MANHOLE TO GRADE
- S-6 MANHOLE SHAFT LOCATION DETAILS
- S-7 TRAFFIC MANHOLE FRAME AND COVER
- S-8 SPECIAL MANHOLE (20'-0" TO 30'-0" DEEP)
- S-9 SPECIAL MANHOLE (30'+ DEEP)
- S-10 DROP MANHOLE DETAIL (SPECIAL ACCEPTANCE ONLY)
- S-11 GUARD POST DETAIL (EASEMENT AND OUTSIDE OF PAVING MANHOLE)
- S-12 TERMINAL OR MAINLINE CLEANOUT DETAIL (SPECIAL ACCEPTANCE ONLY)
- S-13 TERMINUS (CUL-DE-SAC) MANHOLE
- S-14 NOT IN USE
- S-15 VITRIFIED CLAY PIPELINE BEDDING DETAIL
- S-16 PIPELINE BEDDING AND SPECIAL DETAILS
- S-17 TRENCH REPAIR DETAIL
- S-18 SEWER MAINLINE PROTECTION DETAIL
- S-19 CONCRETE SLOPE ANCHORS
- S-20 STEEL CASING PIPE
- S-21 4" AND 6" SEWER SADDLE CONNECTION TO EXISTING MAINLINE
- S-22 TYPICAL SEWER LATERAL
- S-23 DEEP SEWER LATERAL DETAIL
- S-24 BACKWATER VALVE DETAIL
- S-25 BACKWATER VALVE INSTALLATION DETAIL
- S-26 SEWER SAMPLING BOX
- S-27 SEWER LATERAL CUTOFF WALL DETAIL
- S-28 EROSION CONTROL CUTOFF WALL DETAIL

SEWER STANDARD INDEX

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Yucaipa Valley Water District

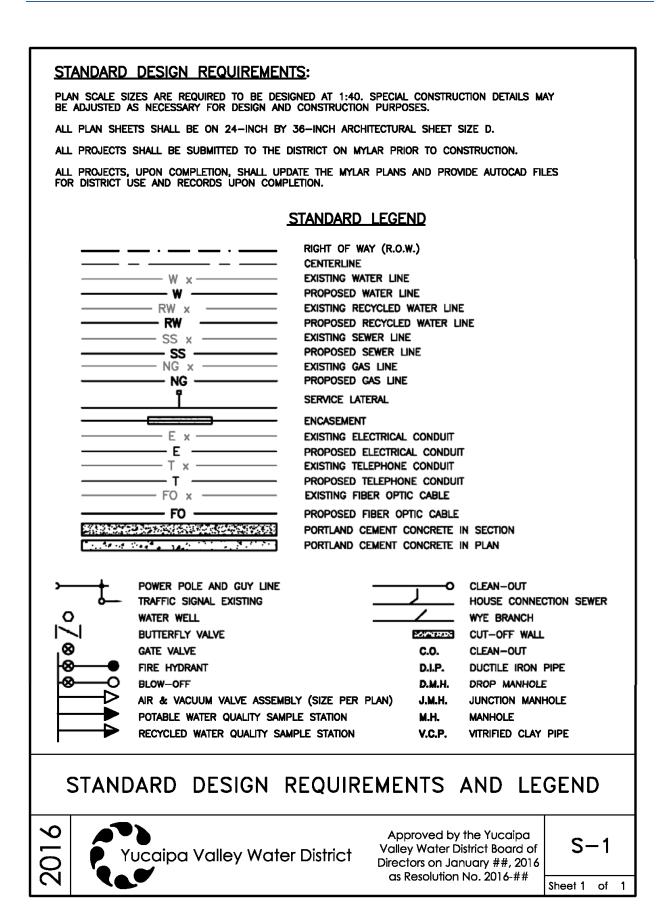
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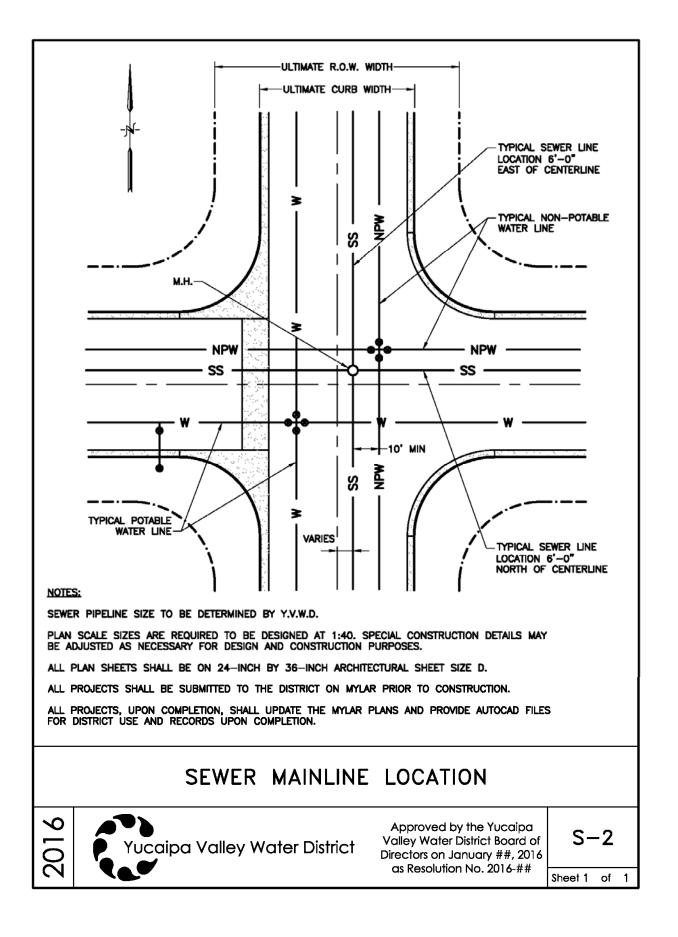


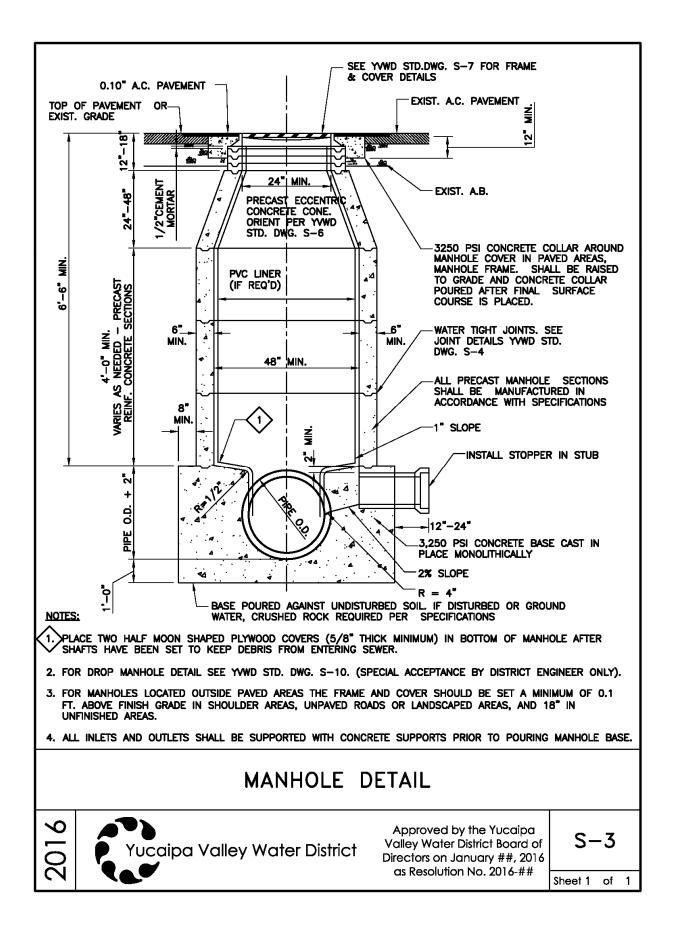
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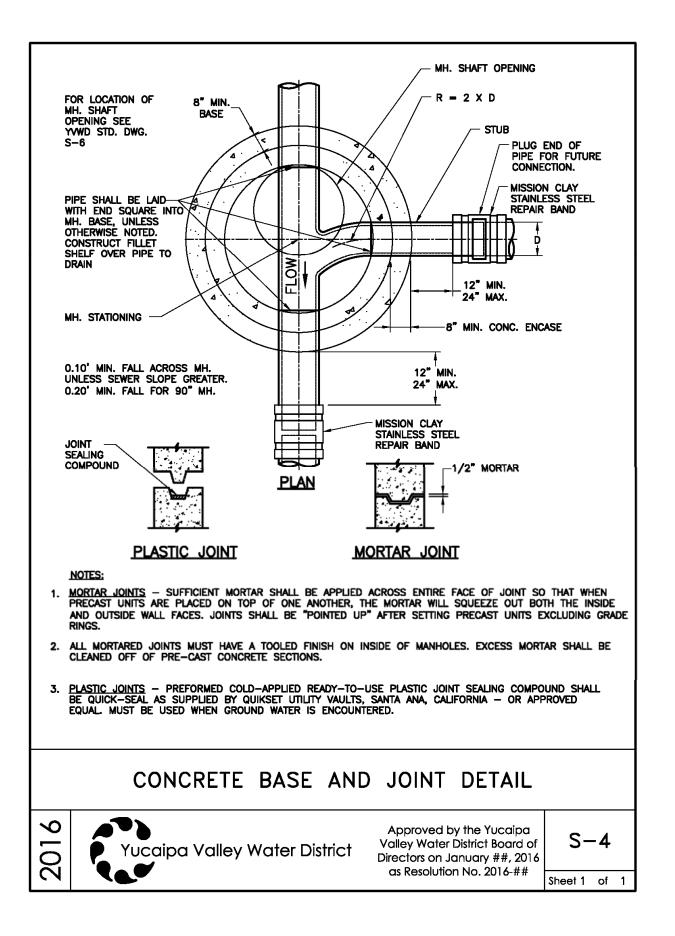
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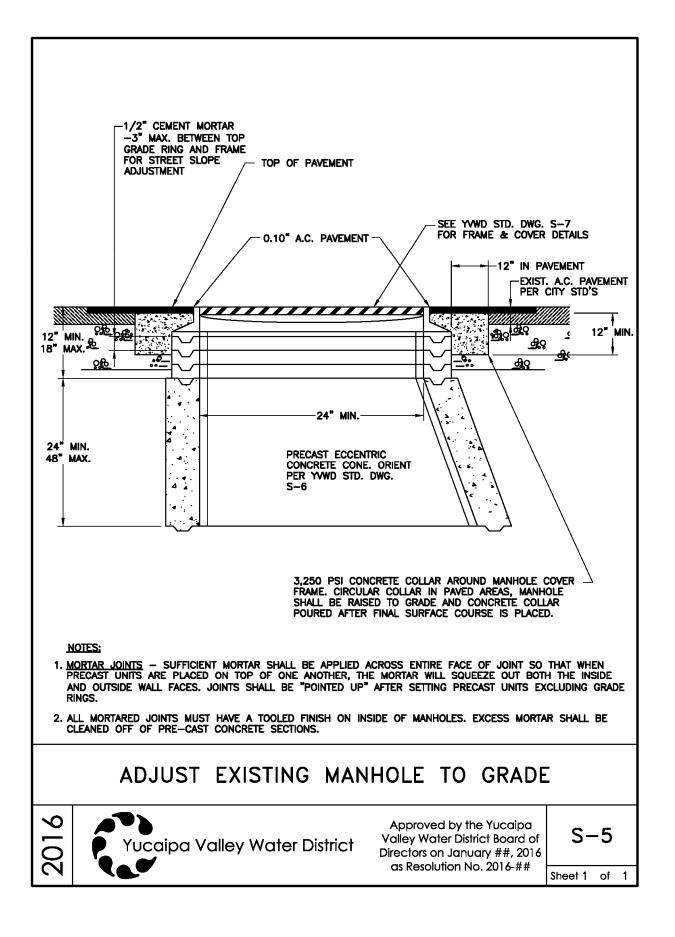
		<u>YVWD SEWER FACILITY</u> <u>DRAWING INDEX (</u> 3		
	STANDARDS			
	S-1	STANDARD LEGEND		
	S-2	SEWER MAINLINE LOCATION		
	MANHOLES			
	S-3	MANHOLE DETAIL		
	S-4	CONCRETE BASE AND JOINT DETAIL		
	S-5	ADJUSTING EXISTING MANHOLE TO		
	S-6	MANHOLE SHAFT LOCATION DETAILS		
	S-7	TRAFFIC MANHOLE FRAME AND COV	'ER	
	S8	SPECIAL MANHOLE (20'-0" TO 30'	-0" DEEP)	
	S-9	SPECIAL MANHOLE (30'+ DEEP)	·	
	S-10	DROP MANHOLE DETAIL (SPECIAL A	CCEPTANCE ONLY)	
	S-11	GUARD POST DETAIL (EASEMENT AN	ID OUTSIDE OF PAVING MANHOLE)	
	S-12			
	S-13		Ξ	
	PIPE AND CA			
	S-15	VITRIFIED CLAY PIPELINE BEDDING (
	S-15 S-16	PIPELINE BEDDING AND SPECIAL DE		
	S-17			
	S-17 S-18		u .	
		CONCRETE SLOPE ANCHORS		
	S-20	STEEL CASING PIPE		
	LATERALS			
	S-21	4" AND 6" SEWER SADDLE CONNEC	CTION TO EXISTING MAINLINE	
	S-22	TYPICAL SEWER LATERAL		
	S-23	DEEP SEWER LATERAL DETAIL		
	S-24			
	S-25	BACKWATER VALVE INSTALLATION DE		
	S-26	SEWER SAMPLING BOX		
	S-27	SEWER LATERAL CUTOFF WALL DET		
	S-28	EROSION CONTROL CUTOFF WALL D	ETAIL	
		SEWER STANDA	RD INDEX	
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2016			Valley Water District Board of	S-0
	Yucaip	a Valley Water District	Directors on January ##, 2016	
			as Resolution No. 2016-##	Sheet 2 of 2

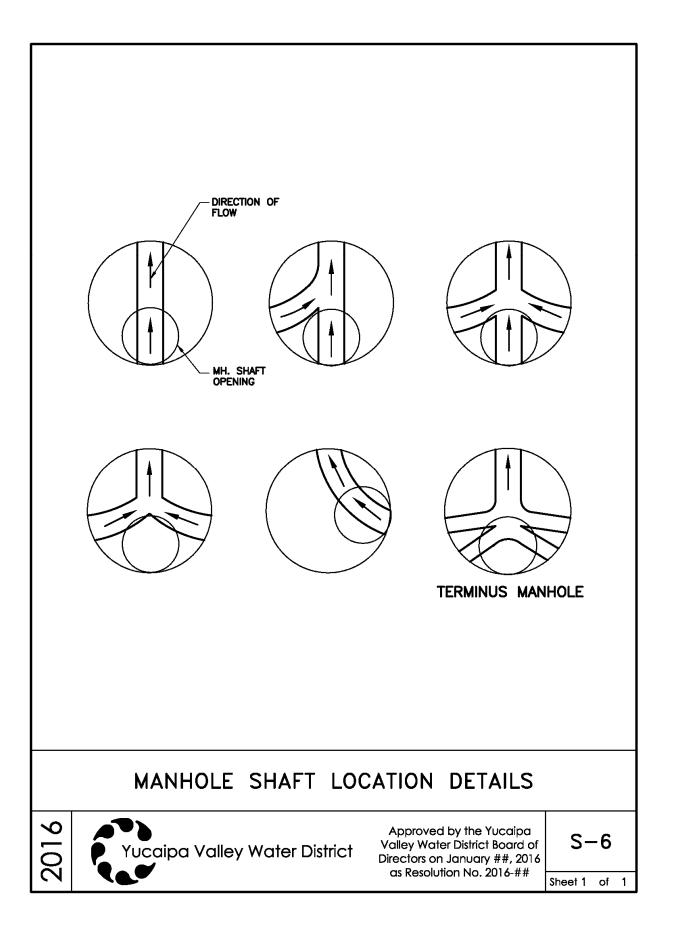


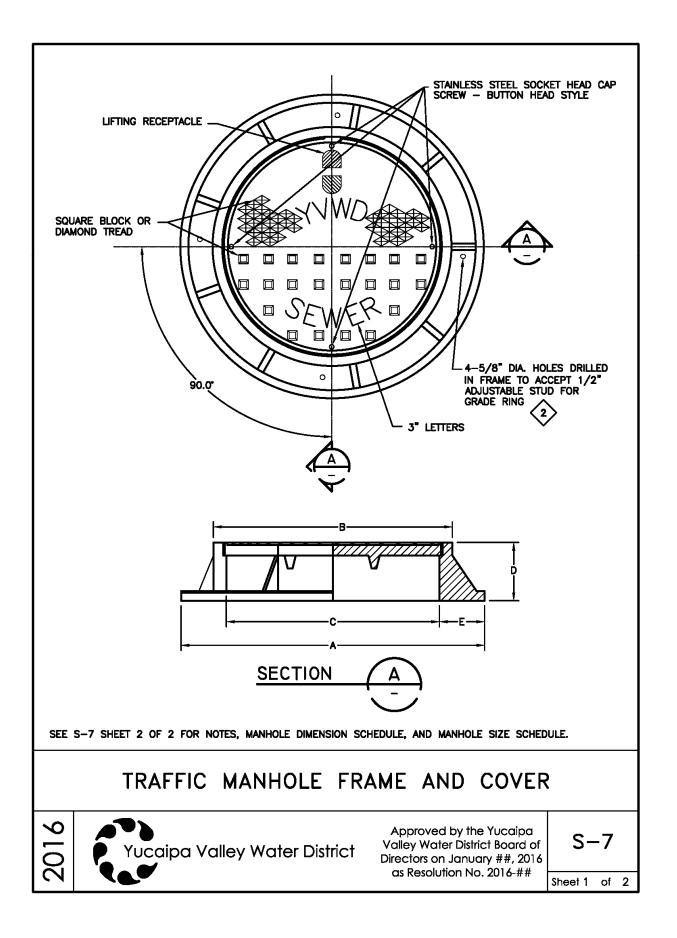


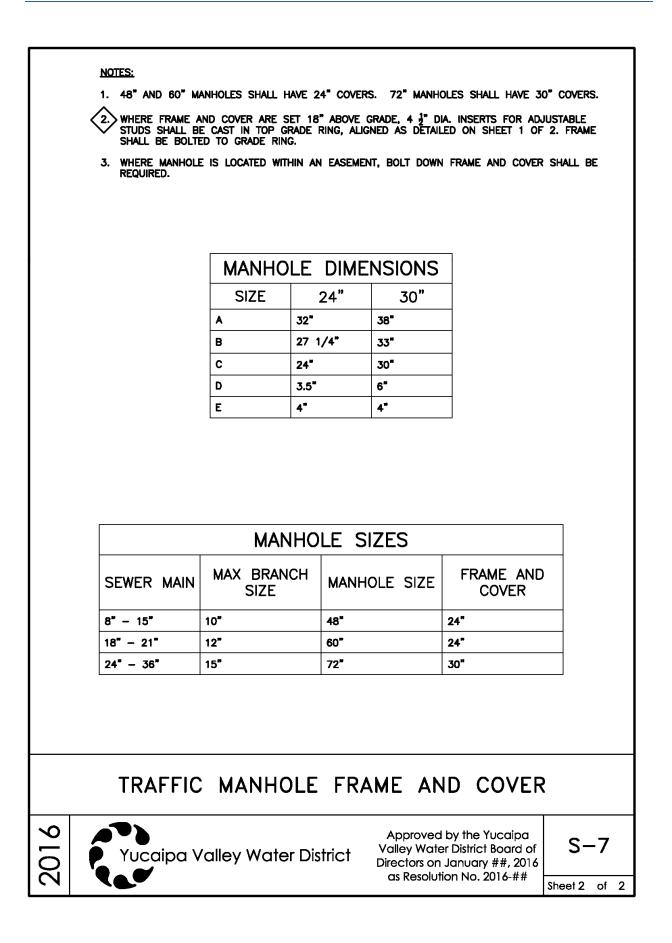


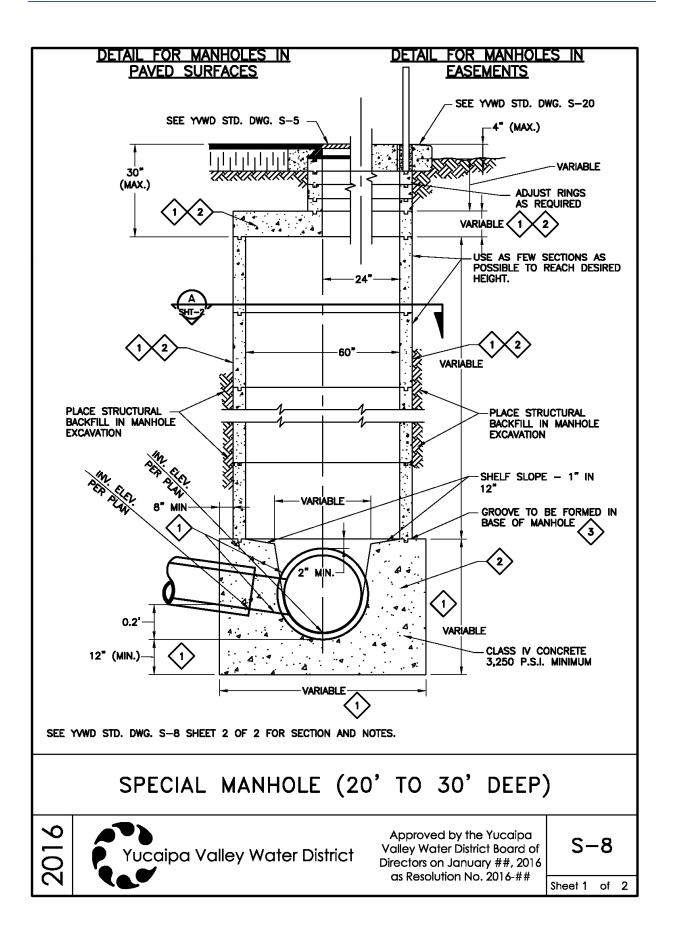


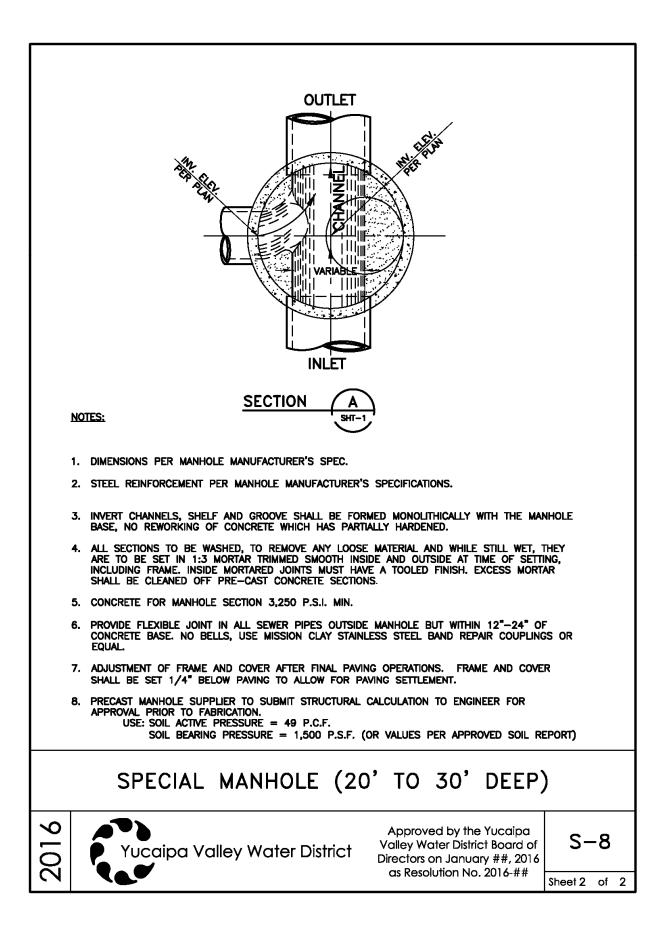


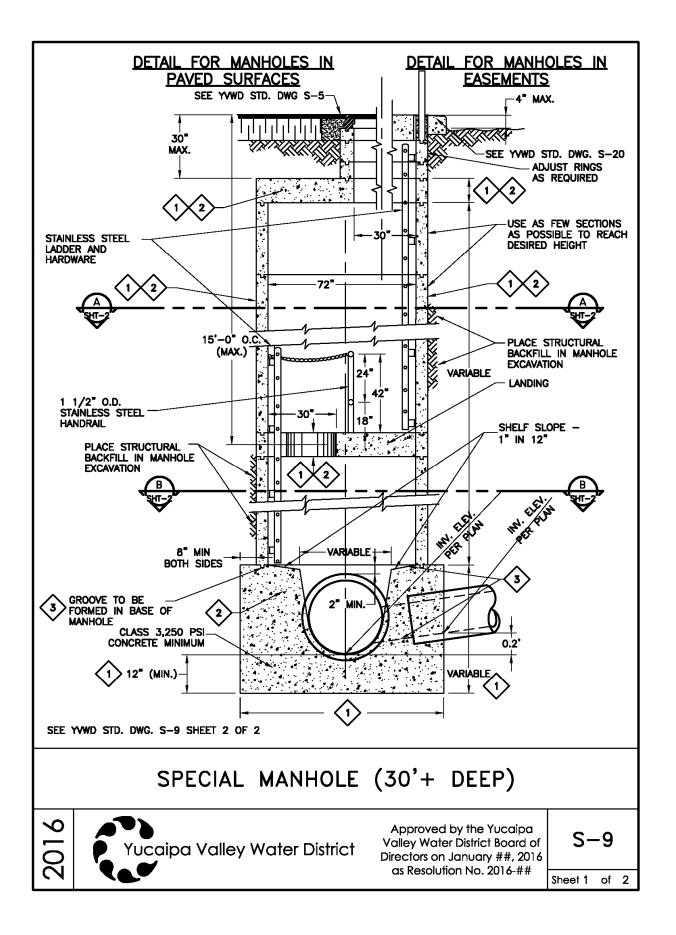


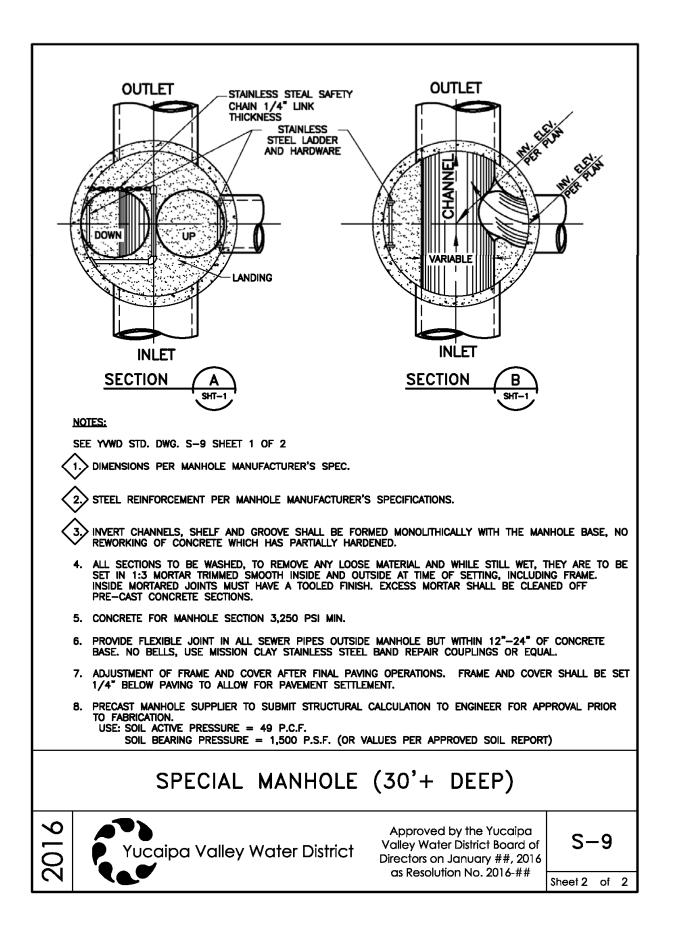


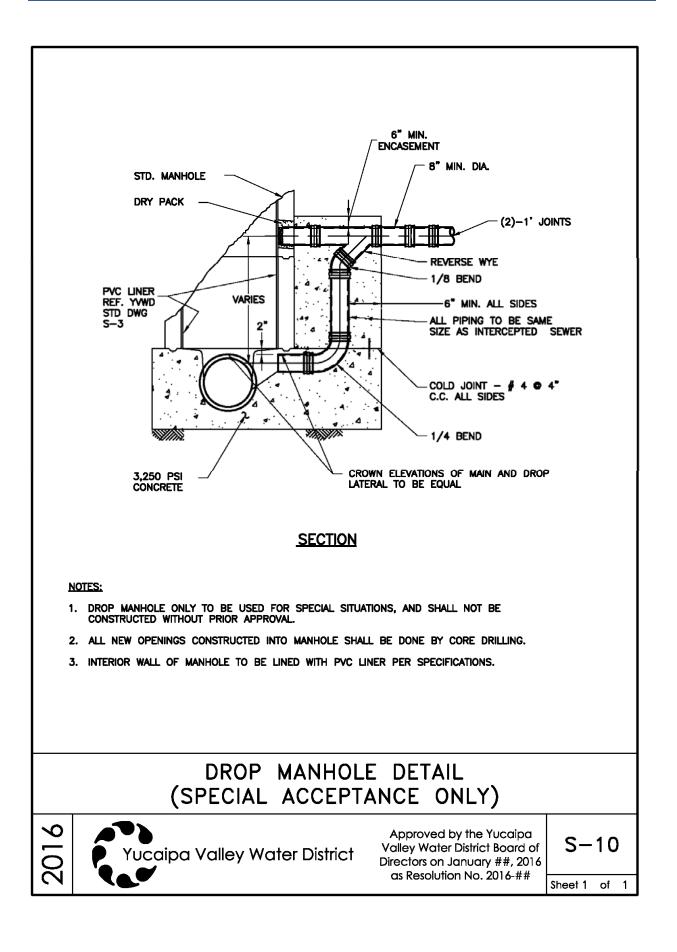


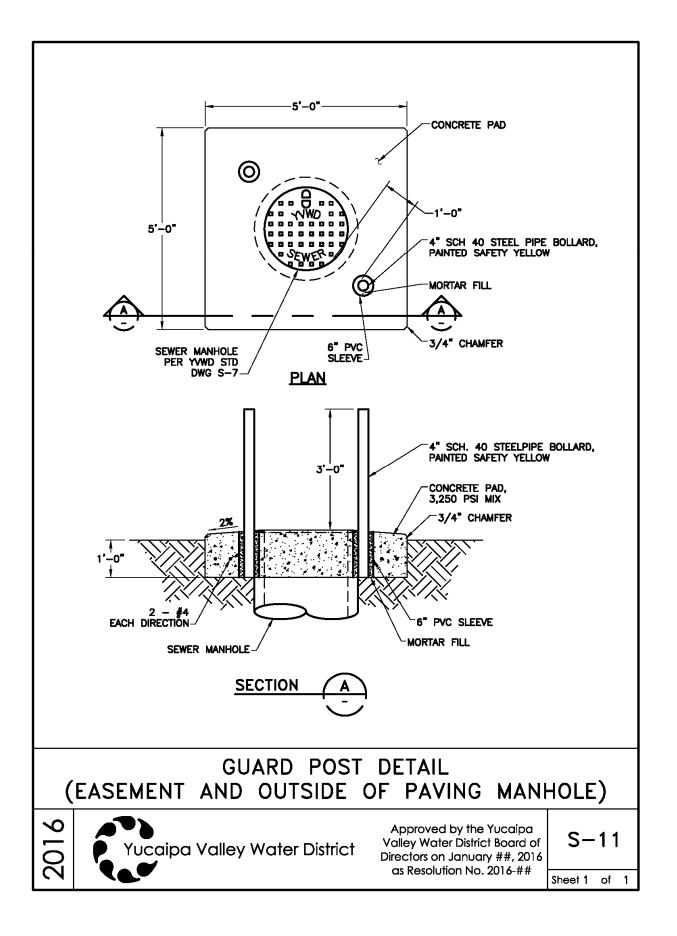


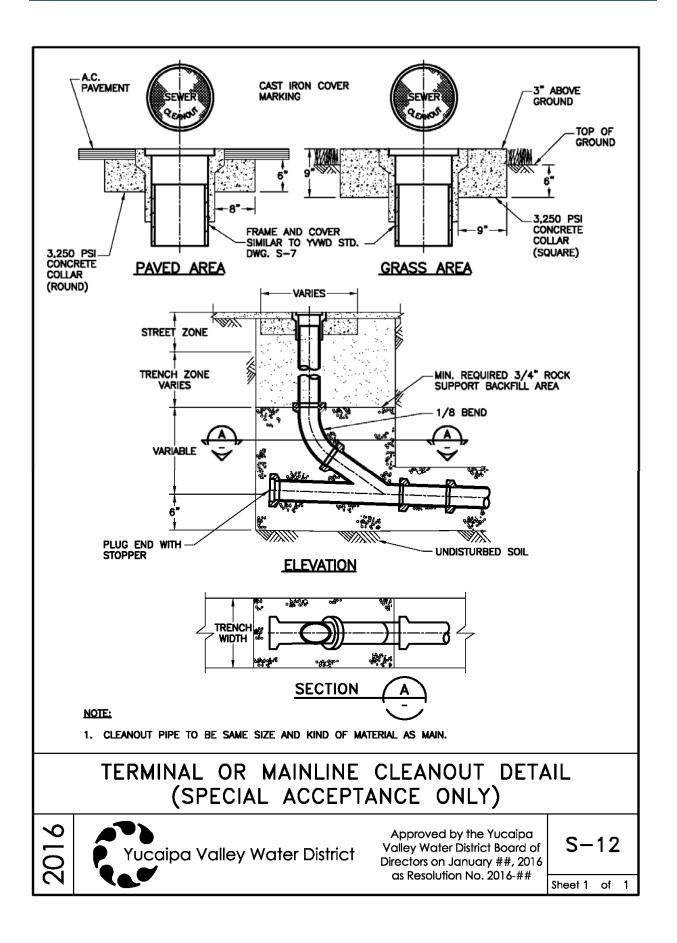


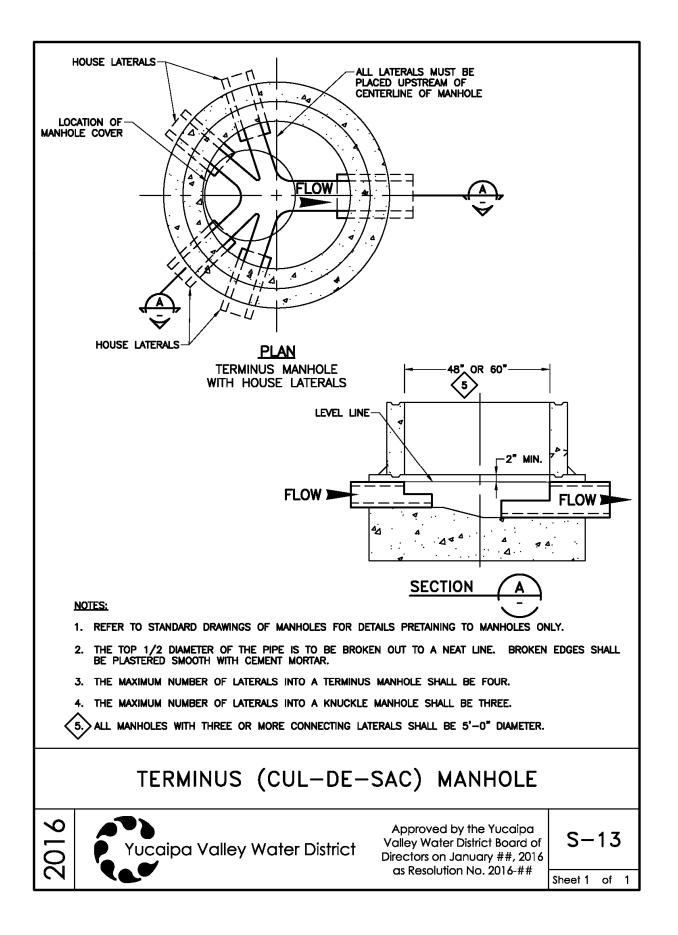


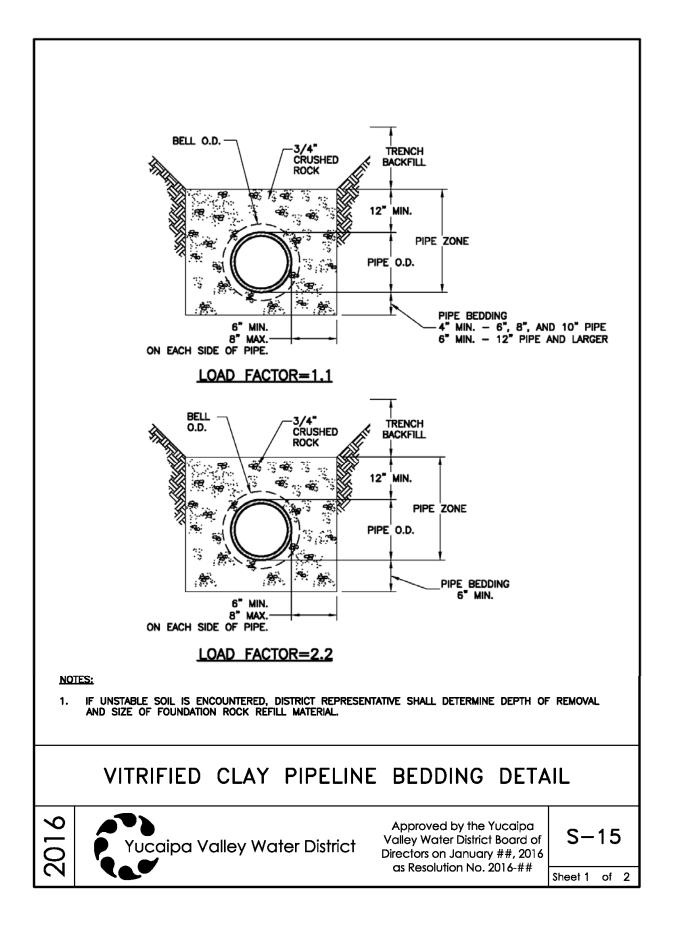




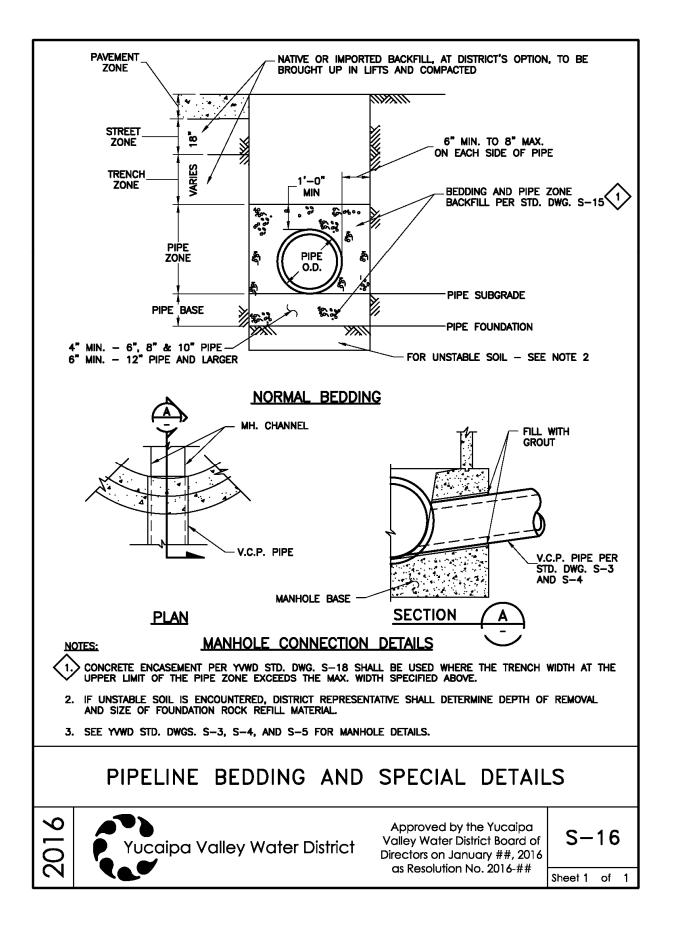


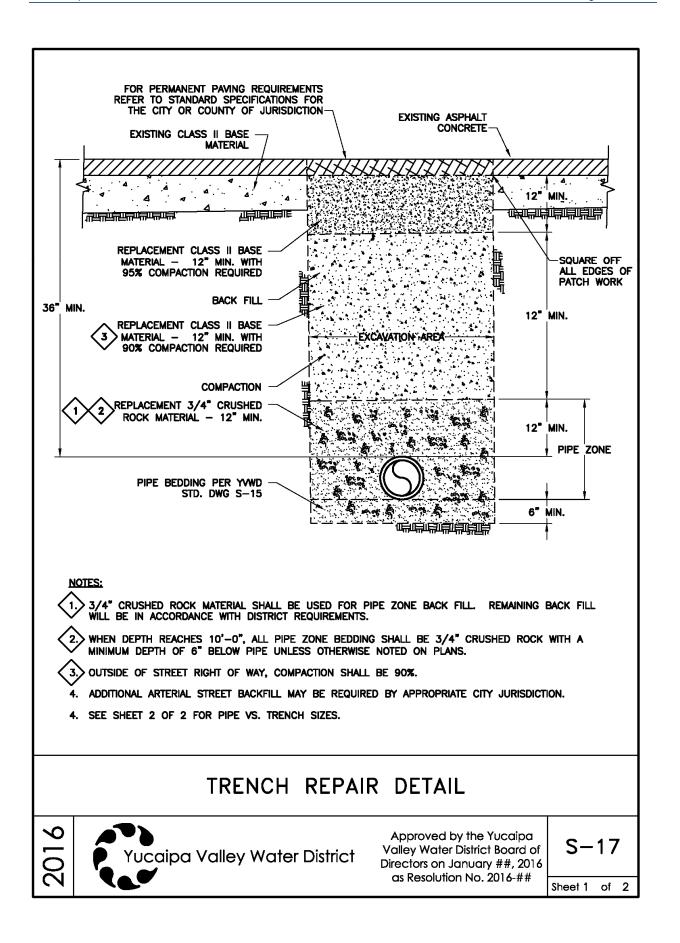






	MINIMU	JM LO	AD FA	CTOR WIDT		IMITED	TREN	ICH
	SEWER	DEPTH OF COVER						
	DIAMETER	6'-0"	8'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0*
8'	•	1.1	1.1	1.1	2.2	2.2	2.2	2.2
10)"	1.1	1.1	2.2	2.2	2.2	2.2	-
12	2"	1.1	2.2	2.2	2.2	2.2	-	-
15	5"	1.1	2.2	2.2	2.2	-	-	-
	 3/4" CRUSH GRADATIONS: FOR SEWER THAN SHOW CONSTRUCTION CONSTRUCTION 3. WHEN DEPTH WITH A MINING 	SIEV 1 3/4 1/2 3/8 NO. DIAMETERS N, DISTRCT ON. H REACHES	E <u>%</u> 100 90 20 4 0 DIFFERENT 1 SHALL APPR	PASSING - 100% - 55% - 15% - 5% THAN SHOWN OVE PIPE BE . PIPE ZONE	AND FOR (EDDING AND BEDDING SI	Depths of (Pipe Zone Hall be 3/4	COVER DIFFE BACKFILL PF	rent Nor to
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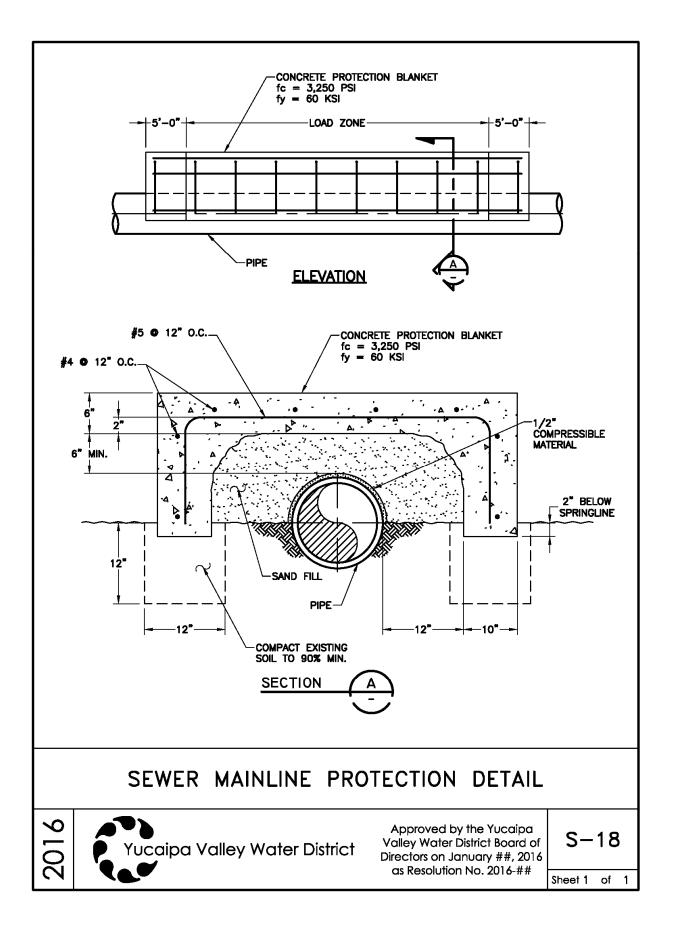


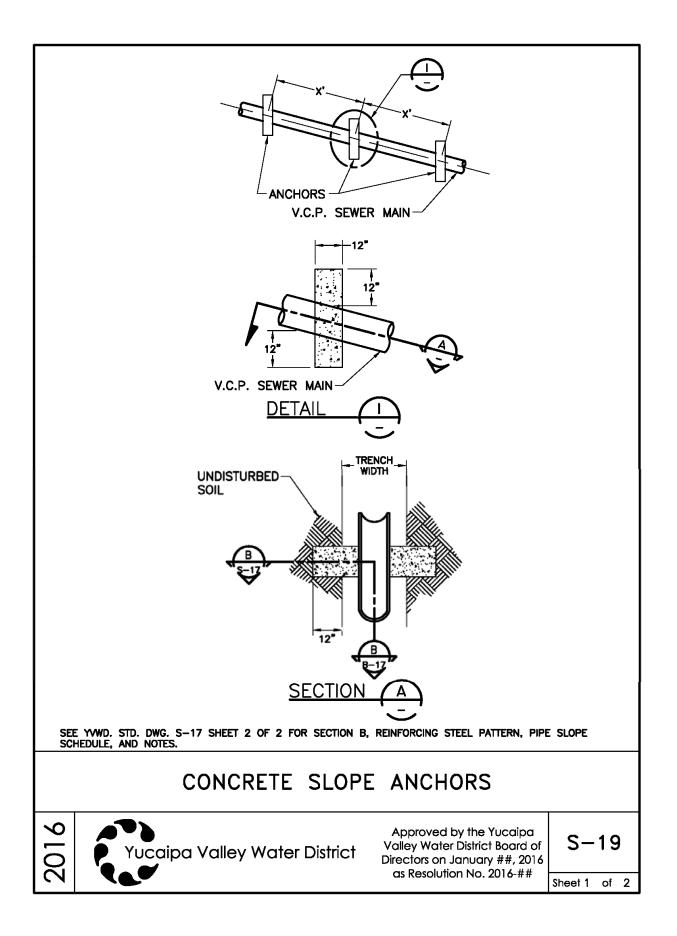


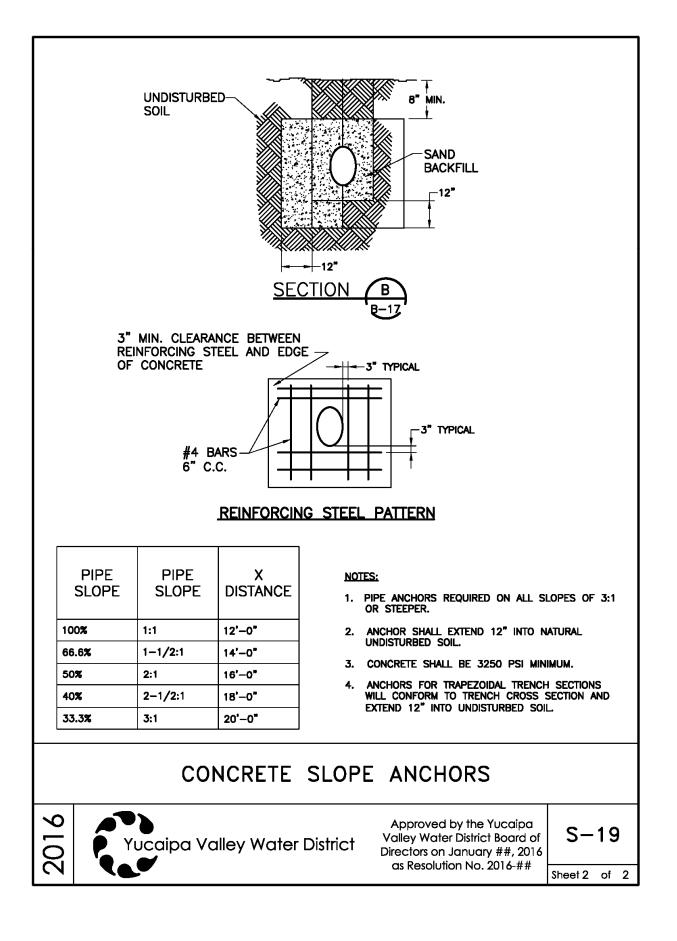
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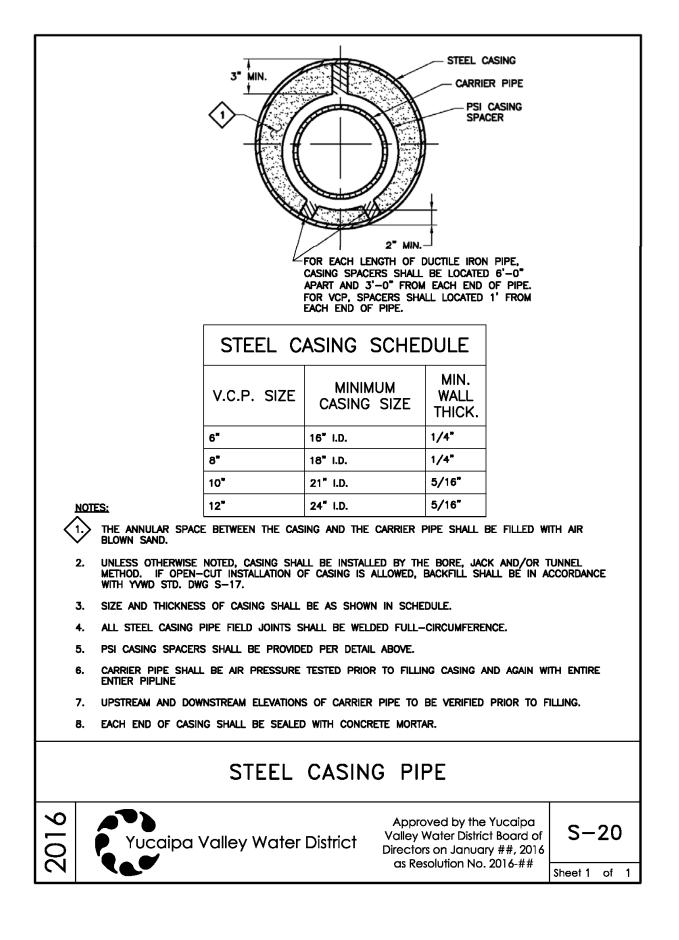
Yucaipa Valley Water District

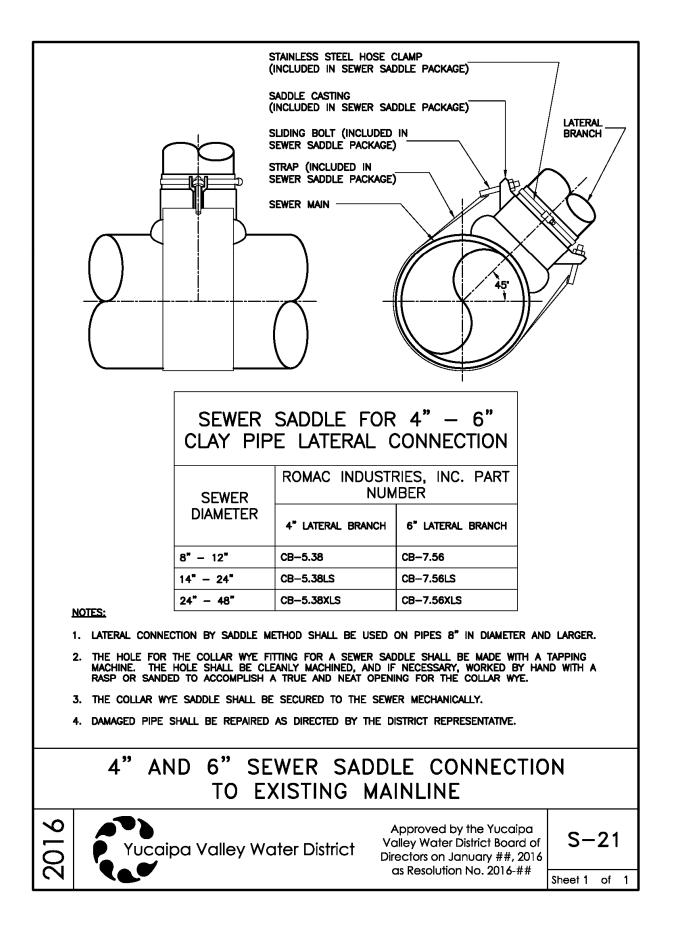
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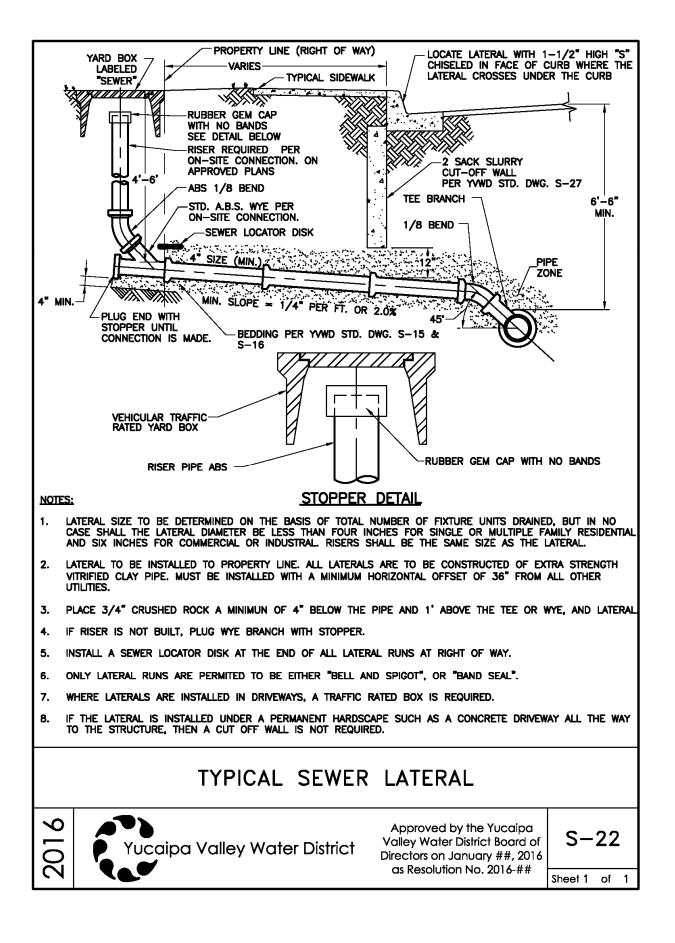


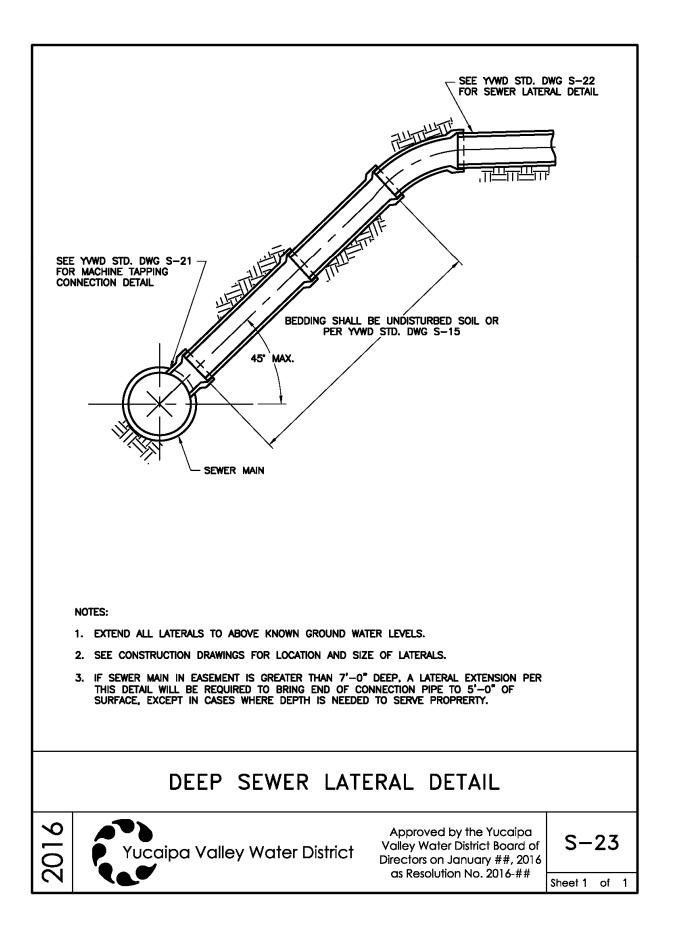


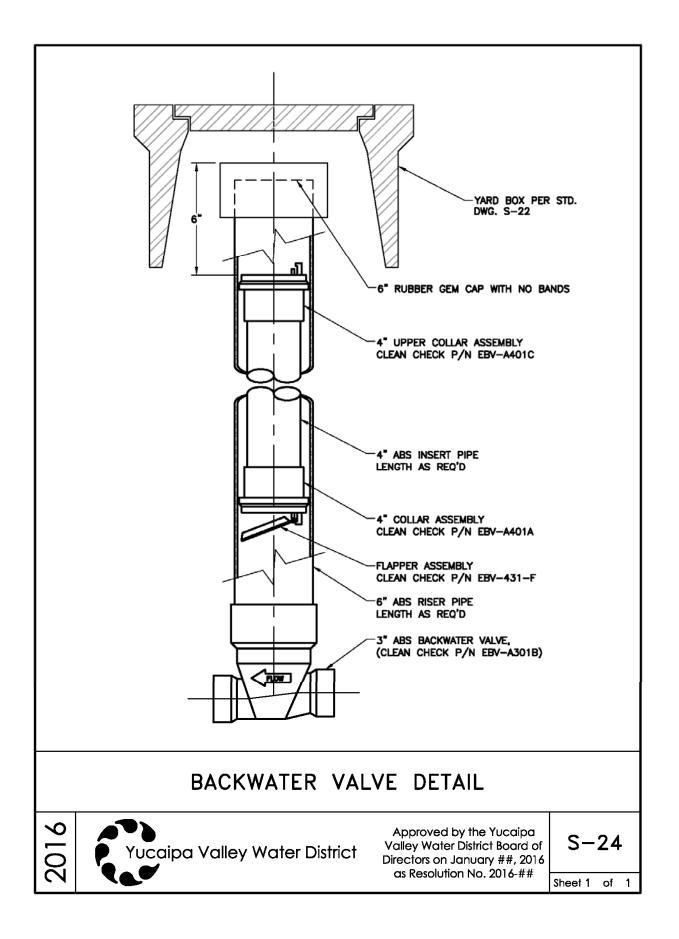


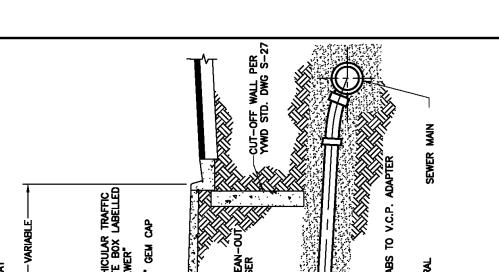


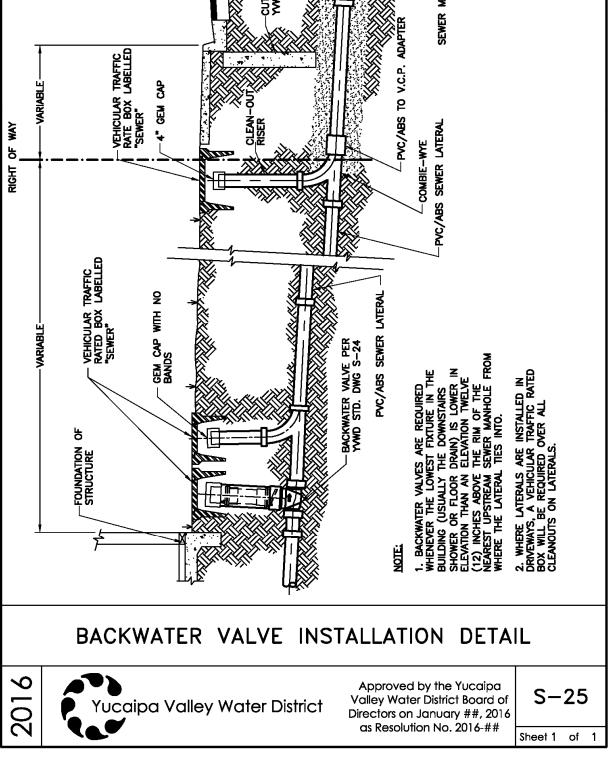


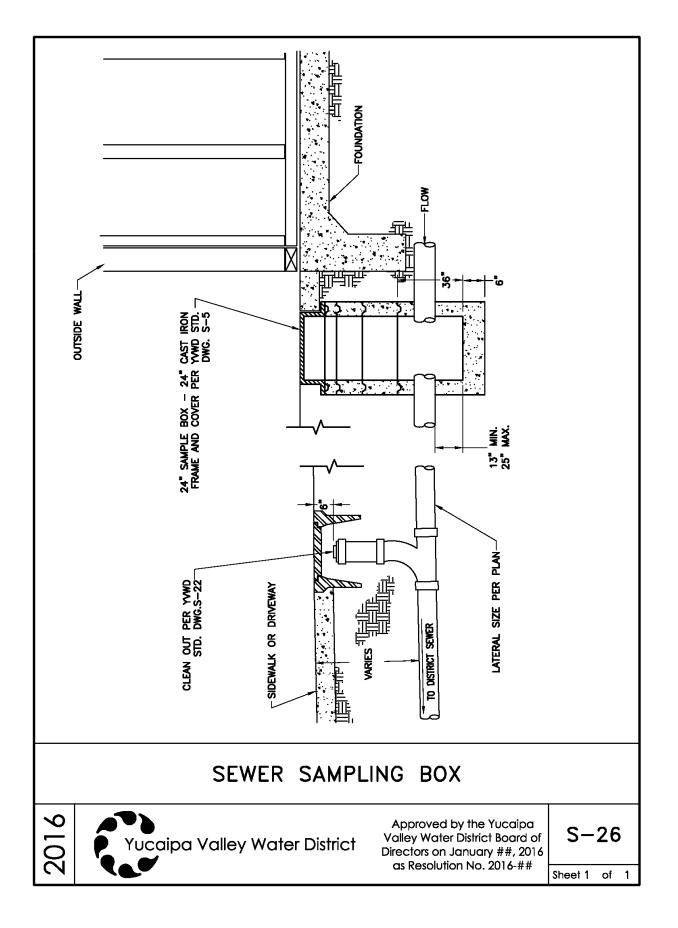


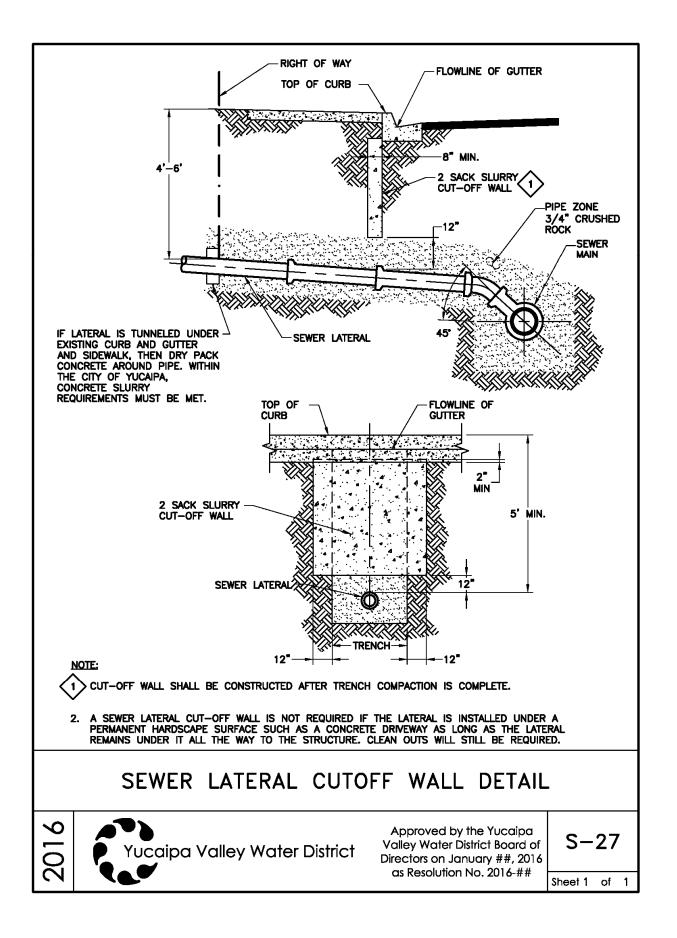


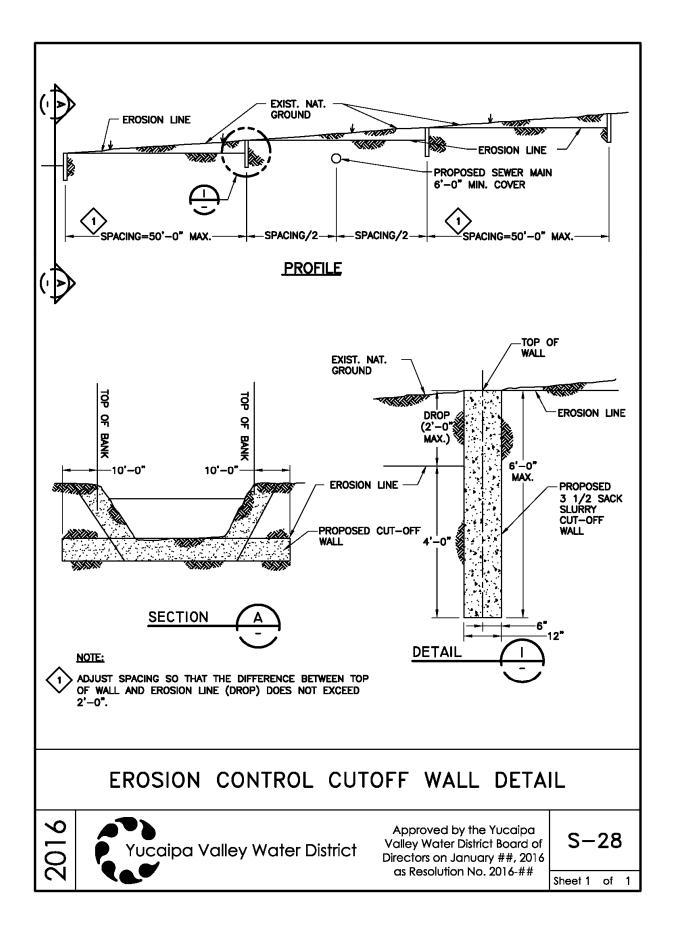














12770 Second Street, Yucaipa, California 92399 Phone: (909) 797-5117

Standard Specifications for the Design and Processing, Furnishing of Materials, and Construction of Recycled Water Facilities

March ___, 2016

	YVWD RECYCLED WATER FACILITY STANDARDS		
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	NOTE: - DRAWINGS R-8 THRU R-14 ARE NOT IN USE		
	- (W) DRAWINGS LISTED BELOW ARE YVWD WATER STANDARD DRAWINGS APPLICABLE		
	TO RECYCLED FACILITIES.		
₩-1	STANDARD LEGEND		
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	Approved by the Yucaipa Valley Water District Board of R-0		
Approved by the Yucaipa Valley Water District Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##			
as Resolution No. 2016-##			
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<u>YVWD RECYCLED WATER FACILITY STANDARDS</u> <u>DRAWING INDEX (SUBJECT)</u>							
<u>ST/</u>	ANDARDS						
R-	R-1 STANDARD LEGEND						
R-	_	RECYCLED WATER PIPELINE LOCATION					
R-	-3	RECYCLED WATER NOTES FOR NON-RESIDENTIAL SITES					
R–	-4	RECYCLED WATER NOTES - FOR ONSITE RESIDENTIAL USE					
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	-7 -15	1 1/2 AND 2 RECYCLED WATER SERVICE INSTALLATION 1" AND 2" RECYCLED WATER AIR AND VACUUM VALVE ASSEMBLY					
K-	-15	I AND Z RECTCLED WATER AIR AND VACUUM VALVE ASSEMBLT					
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w -	-9	6" AND 8" WATER METER INSTALLATION					
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W -	-24	PREFABRICATED VAULT AND LID WITH VENT ASSEMBLY					
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W-10 DOUBLE CHECK BACKFLOW ASSEMBLY W-11 REDUCED PRESSURE BACKFLOW ASSEMBLY							
BLO	OW-OFF AN						
R-	-19	4" RECYCLED WATER BLOW-OFF ASSEMBLY					
w_	-18						
	• =	RESIDENTIAL FIRE HYDRANT INSTALLATION VALVE AND VALVE BOX INSTALLATION					
	-20 -21	VALVE AND VALVE BOX INSTALLATION VALVE STEM EXTENSION					
**	-21	VALVE STEM EXTENSION					
		NOTE: W- DWGS LISTED ARE YVWD WATER STANDARD DRAWINGS APPLICABLE TO RECYCLED FACILITIES.					
	RECYCLED WATER STANDARD INDEX						
	-						
2016		Approved by the Yucaipa					
5	🍎 Y	Valley Water District Valley Water District Board of Directors on January ## 2016					
X		Directors on January ##, 2016 as Resolution No. 2016-##					
~ ~		Sheet 2 of 3					

<u>YVWD RECYCLED WATER FACILITY STANDARDS</u> <u>DRAWING INDEX (SUBJECT)</u>

PIPE AND CASING DETAILS

- W-22 THRUST BLOCK DETAILS FOR RETROFIT ONLY
- W-26 STEEL CASING PIPE
- W-32 WATER PIPELINE PROTECTION DETAIL

PRESSURE REDUCING STATION AND VAULT DETAILS

- ₩-23 PRESSURE REDUCING STATION DETAILS
- W-24 PREFABRICATED VAULT AND LID WITH VENT ASSEMBLY
- W-25 ADJUSTABLE PIPE SUPPORT

IRRIGATION DESIGN REQUIREMENT DETAILS

- R-20 RESIDENTIAL DUAL PLUMBED SERVICE SCHEMATIC
- R-21 HOUSE IRRIGATION LAYOUT PLAN SUBMITAL EXAMPLE
- R-22 ONSITE IRRIGATION PIPELINE TRENCHING DETAIL FOR PLANNED RECYCLED WATER USE
- R-23 NON-RESIDENTIAL RECYCLED WATER CROSS-CONNECTION CONTROL TEST STATION DETAIL
- R-24 ONSITE IRRIGATION AUTOMATIC CONTROLLER WALL MOUNT
- R-25 ONSITE IRRIGATION BURIED ELECTRIC REMOTE CONTROL VALVE

NOTE: W- DWGS LISTED ARE YVWD WATER STANDARD DRAWINGS APPLICABLE TO DUAL PLUMBED FACILITIES.

RECYCLED WATER STANDARD INDEX

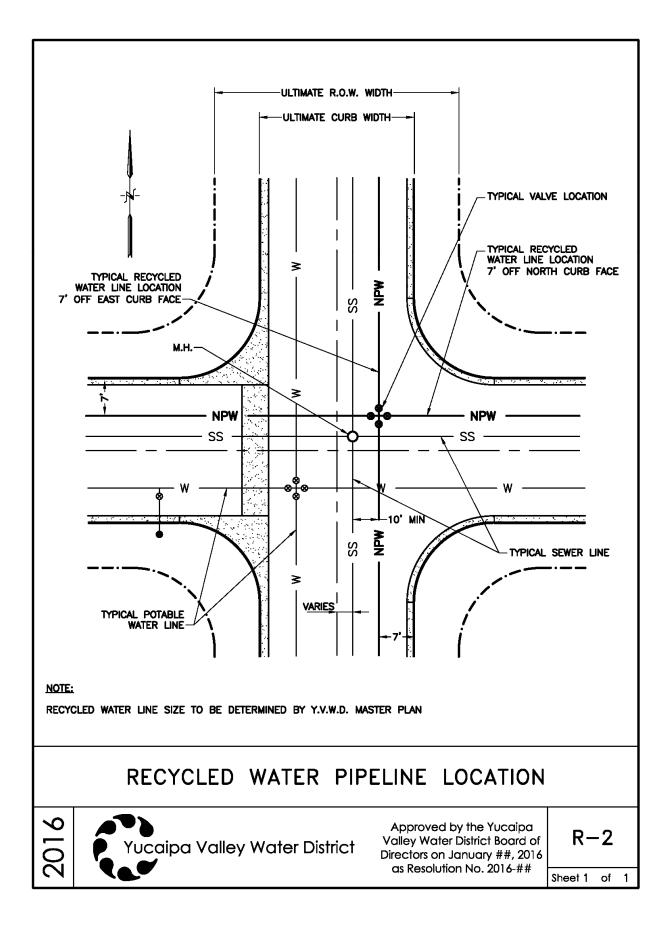
Yucaipa Valley Water District

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	IRRIGATION LEGEND							
	lacksquare	REMOTE CONTROL VALVE	ELECTRIC CONTROL VALVE WITH RECYCLED ID TAGS					
		PRESSURE REGULATING VALVE	WILKINS 70 SERIES, 3/4" SIZE					
	\oplus	ISOLATION VALVE	WITH RECYCLED ID TAGS					
	C	IRRIGATION CONTROLLER	EXTERIOR MOUNT WITH RECYCLED WATER LABEL					
	\blacksquare	POTABLE WATER HOSE BIB						
	X	VALVE						
	\square	BACKFLOW PREVENTER						
		RECYCLED WATER MAINLINE	SCH. 40 PURPLE PVC PIPE, SIZE PER PLAN					
		POTABLE WATER MAINLINE	SCH 40 WHITE PVC WITH 3" WARNING TAPE					
		RECYCLED WATER LATERAL	CLASS 200 PURPLE PVC PIPE, SIZE PER PLAN FOR NON-CONSTANT PRESSURE PIPE.					
= =	=====	RECYCLED WATER SLEEVING	2" MIN. SCHEDULE 40 PURPLE PVC PIPE					
		POTABLE WATER FEATURE FILL LINE	COPPER TUBING, TYPE K					
	\otimes	POINT OF CONNECTION (P.O.C.)	LOCKED VALVE TO BACK YARD					
	INDICATES CONTROLLER STATION NUMBER							
	A1 13.25 GPM INDICATES GALLONS PER MINUTE							
	INDICATES REMOTE CONTROL VALVE SIZE							
1	NOTE:							
1	1. INSTALLATION OF RECYCLED WATER IRRIGATION SYSTEM SHALL BE IN CONFORMANCE WITH YVWD ON—SITE DESIGN AND CONSTRUCTION STANDARDS.							
	STANDARD LEGEND							
2016	Yu	caipa Valley Water District	Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##					
(N			Sheet 1 of 1					



- 1. THE INSTALLATION OF THE RECYCLED WATER SYSTEM SHALL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF THE YUCAIPA VALLEY WATER DISTRICT (YVWD).
- 2. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH YVWD AT (909)797-5117 TWO (2) WORKING DAYS IN ADVANCE OF STARTING WORK. CONSTRUCTION SHALL BEGIN NO LATER THEN FIVE (5) DAYS AFTER THE PRE-CONSTRUCTION MEETING. YVWD SHALL BE NOTIFIED OF EACH WORKDAY THEREAFTER UNTIL COMPLETION OF THE PROJECT.
- 3. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR PROVIDING ACCESS TO AND COOPERATION WITH THE DISTRICT INSPECTOR TO PERFORM ALL INSPECTIONS AND TESTING.
- 4. CONNECTIONS TO THE EXISTING RECYCLED WATER FACILITIES SHALL BE DONE BY A LICENSED CONTRACTOR PER THE YVWD RECYCLED WATER ON-SITE DESIGN AND CONSTRUCTION STANDARDS.
- 5. THERE SHALL <u>NEVER</u> BE DIRECT CONNECTIONS BETWEEN THE POTABLE AND RECYCLED WATER SYSTEMS.
- 6. RECYCLED WATER SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN LANDSCAPE IRRIGATION AND APPROVED USES SUCH AS INDUSTRIAL USE OR IMPOUNDMENTS.
- 7. HOSE BIBS ARE PROHIBITED ON RECYCLED WATER SYSTEMS.
- 8. WATER USED IN HOSE BIBS SHALL BE POTABLE WATER AND ALL HOSE BIBS SHALL BE AFFIXED TO THE BUILDING.
- 9. THE POTABLE WATER SYSTEM SHALL BE PROTECTED BY AN APPROVED BACKFLOW PREVENTION DEVICE. THE RECYCLED WATER SERVICE WILL NORMALLY NOT REQUIRE BACKFLOW PROTECTION (AT YVWD DISCRETION).
- 10. A MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION MUST BE MAINTAINED AT ALL TIMES BETWEEN THE CONSTANT PRESSURE POTABLE AND RECYCLED WATER LINES. A MINIMUM OF ONE (1) FOOT VERTICAL SEPARATION MUST BE MAINTAINED AT ALL TIMES BETWEEN THE POTABLE AND RECYCLED WATER LINES WITH THE RECYCLED WATERLINE <u>BELOW</u> THE POTABLE.
- 11. ALL CROSSINGS BETWEEN POTABLE AND RECYCLED WATER LINES SHALL BE AS NEAR TO PERPENDICULAR AS POSSIBLE AND THE RECYCLED WATER LINES SHALL BE SLEEVED A MINIMUM OF FIVE (5) FEET ON BOTH SIDES OF THE POTABLE WATER LINE.
- 12. HE USE OF CONTINUOUS LETTERING ON 3-INCH MINIMUM WIDTH BLUE TAPE WITH 1-INCH BLACK OR WHITE CONTRASTING LETTERING BEARING THE CONTINUOUS WORDING "POTABLE WATER" PERMANENTLY AFFIXED AT 10-FOOT INTERVALS ATOP ALL HORIZONTAL PIPING, LATERALS, AND MAINS. REFER TO T. CHRISTY'S OR APPROVED EQUAL. IDENTIFICATION TAPE IS NOT NECESSARY FOR EXTRUDED BLUE-COLORED PVC WITH CONTINUOUS WORDING "POTABLE WATER" PRINTED IN CONTRASTING LETTERING ON OPPOSITE SIDES OF THE PIPE.
- 13. THE USE OF CONTINUOUS LETTERING ON 3-INCH MINIMUM WIDTH PURPLE TAPE WITH 1-INCH BLACK OR WHITE CONTRASTING LETTERING BEARING THE CONTINUOUS WORDING "CAUTION- RECYCLED WATER" PERMANENTLY AFFIXED AT 10-FOOT INTERVALS ATOP ALL HORIZONTAL PIPING, LATERALS, AND MAINS. REFER TO T. CHRISTY'S OR APPROVED EQUAL. IDENTIFICATION TAPE IS NOT NECESSARY FOR EXTRUDED PURPLE-COLORED PVC WITH CONTINUOUS WORDING "CAUTION - RECYCLED WATER" PRINTED IN CONTRASTING LETTERING ON OPPOSITE SIDES OF THE PIPE.

(CONTINUED ON SHEET 2 OF 2)

RECYCLED WATER NOTES FOR NON-RESIDENTIAL SITES

Yucaipa Valley Water District

Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##

Sheet 1 of 2

(CONTINUED FROM SHEET 1 OF 2)

- 14. ALL NEW BURIED RECYCLED WATER LINES (PRESSURE/NON-PRESSURE) MUST BE PURPLE-COLORED SCHEDULE 40 (MINIMUM) PVC PIPE WITH CONTINUOUS WORDING "CAUTION RECYCLED WATER" PRINTED ON OPPOSITE SIDES OF THE PIPE.
- 15. RECYCLED WATER ISOLATION AND CONTROL VALVE BOXES SHALL BE WEATHERPROOF PURPLE PLASTIC AND MARKED "RECYCLED WATER". *NOTE-ALL CONTROL VALVES SHALL BE BURIED BELOW GRADE AUTOMATIC CONTROL VALVES OPERATED BY A PROGRAMMABLE CONTROLLER. ABOVE GROUND ANTI-SIPHON CONTROL VALVES ARE <u>NOT</u> ALLOWED.
- 16. ALL RECYCLED WATER IRRIGATION SYSTEM CONTROL VALVES, ISOLATION VALVES, QUICK COUPLERS, REGULATORS, AND APPURTENANCES SHALL BE TAGGED. IDENTIFICATION SHALL BE WEATHERPROOF PURPLE PLASTIC, 3-INCHES BY 4-INCHES AND IMPRINTED WITH "WARNING RECYCLED WATER DO NOT DRINK" IN BOTH ENGLISH AND SPANISH. REFER TO T. CHRISTY'S OR APPROVED EQUAL.
- 17. ALL AREAS WHERE RECYCLED WATER IS USED SHALL BE POSTED WITH APPROVED SIGNAGE. EACH SIGN SHALL STATE "RECYCLED WATER DO NOT DRINK" AND DISPLAY THE INTERNATIONAL "DO NOT DRINK" SYMBOL.
- 18. BEFORE ACTIVATION OF THE POTABLE WATER SERVICE THE BACKFLOW DEVICE SHALL BE TESTED AND APPROVED BY A LICENSED BACKFLOW TESTER. ARRANGEMENTS WITH YVWD MUST BE MADE AT LEAST TWO (2) WORKING DAYS IN ADVANCE TO TURN ON THE POTABLE SERVICE TO ALLOW TESTING OF THE DEVICE. POTABLE WATER SERVICE WILL NOT BE ACTIVATED UNTIL THE BACKFLOW DEVICE PASSES INSPECTION.
- 19. BEFORE ACTIVATION OF THE RECYCLED WATER SERVICE, A CROSS CONNECTION TEST AND FINAL INSPECTION AND APPROVAL OF THE IRRIGATION SYSTEM SHALL BE PERFORMED. THE PROPERTY OWNER OR CONTRACTOR SHALL ARRANGE WITH THE DISTRICT FOR AN IRRIGATION COVERAGE TEST AND MAKE ANY MODIFICATIONS OR ADJUSTMENTS DEEMED REQUIRED BEFORE FINAL APPROVAL.
- 20. ALL SPRAY HEADS SHALL BE ADJUSTED TO ELIMINATE OVERSPRAY AND RUNOFF ONTO ADJACENT HARDSCAPES, DRINKING FOUNTAINS OR WATER FEATURES, AND OUTDOOR FURNITURE SUCH AS PICNIC TABLES, ETC.
- 21. RECYCLED WATER IRRIGATION SYSTEMS SHALL ONLY BE OPERATED BETWEEN THE HOURS OF 9:00 PM AND 6:00 AM.
- 22. FAILURE TO COMPLY WITH ANY OF THE YUCAIPA VALLEY WATER DISTRICT STANDARDS MAY RESULT IN TERMINATION OF RECYCLED WATER AND/OR POTABLE WATER SERVICE.

RECYCLED WATER NOTES FOR NON-RESIDENTIAL SITES

Yucaipa Valley Water District

Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##

Sheet 2 of 2

- 1. THE INSTALLATION OF THE RECYCLED WATER SYSTEM SHALL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF THE YUCAIPA VALLEY WATER DISTRICT (YVWD).
- 2. THE HOMEOWNER OR CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH YVWD AT (909)797-5118 TWO (2) WORKING DAYS IN ADVANCE OF STARTING WORK. CONSTRUCTION SHALL BEGIN NO LATER THEN FIVE (5) DAYS AFTER THE PRE-CONSTRUCTION MEETING. YVWD SHALL BE NOTIFIED OF EACH WORKDAY THEREAFTER UNTIL COMPLETION OF THE PROJECT.
- 3. THE HOMEOWNER SHALL BE RESPONSIBLE FOR PROVIDING ACCESS TO AND COOPERATION WITH THE DISTRICT INSPECTOR TO PERFORM ALL INSPECTIONS AND TESTING.
- 4. CONNECTIONS TO THE EXISTING RECYCLED WATER FACILITIES SHALL BE PERFORMED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH THE YVWD RECYCLED ON-SITE DESIGN AND CONSTRUCTION STANDARDS.
- 5. THERE SHALL <u>NEVER</u> BE ANY DIRECT CONNECTIONS BETWEEN THE POTABLE AND RECYCLED WATER SYSTEMS.
- 6. RECYCLED WATER SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN LANDSCAPE IRRIGATION.
- 7. HOSE BIBS ARE PROHIBITED ON RECYCLED WATER SYSTEMS.
- 8. WATER USED IN HOSE BIBS SHALL BE POTABLE WATER AND ALL HOSE BIBS SHALL BE AFFIXED TO THE HOUSE.
- 9. THE POTABLE WATER SYSTEM SHALL BE PROTECTED BY AN APPROVED BACKFLOW PREVENTION DEVICE. THE RECYCLED WATER SERVICE WILL NORMALLY NOT REQUIRE BACKFLOW PROTECTION (AT YVWD DISCRETION).
- 10. A MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION MUST BE MAINTAINED AT ALL TIMES BETWEEN THE CONSTANT PRESSURE POTABLE AND RECYCLED WATER LINES. A MINIMUM OF ONE (1) FOOT VERTICAL SEPARATION MUST BE MAINTAINED AT ALL TIMES BETWEEN THE POTABLE AND RECYCLED WATER LINES WITH THE RECYCLED WATER LINE BELOW THE POTABLE.
- 11. ALL CROSSINGS BETWEEN POTABLE AND RECYCLED WATER LINES SHALL BE AS NEAR TO PERPENDICULAR AS POSSIBLE AND THE RECYCLED WATER LINES SHALL BE SLEEVED A MINIMUM OF FIVE (5) FEET ON BOTH SIDES OF THE POTABLE WATER LINE.
- 12. THE USE OF CONTINUOUS LETTERING ON 3-INCH MINIMUM WIDTH BLUE TAPE WITH 1-INCH BLACK OR WHITE CONTRASTING LETTERING BEARING THE CONTINUOUS WORDING "POTABLE WATER" PERMANENTLY AFFIXED AT 10-FOOT INTERVALS ATOP ALL HORIZONTAL PIPING, LATERALS, AND MAINS, REFER TO T. CHRISTY'S OR APPROVED EQUAL. IDENTIFICATION TAPE IS NOT NECESSARY FOR EXTRUDED BLUE-COLORED PVC WITH CONTINUOUS WORDING "POTABLE WATER" PRINTED IN CONTRASTING LETTERING ON OPPOSITE SIDES OF THE PIPE.
- 13. THE USE OF CONTINUOUS LETTERING ON 3-INCH MINIMUM WIDTH PURPLE TAPE WITH 1-INCH BLACK OR WHITE CONTRASTING LETTERING BEARING THE CONTINUOUS WORDING "CAUTION - RECYCLED WATER" PERMANENTLY AFFIXED AT 10-FOOT INTERVALS ATOP ALL HORIZONTAL PIPING, LATERALS, AND MAINS. REFER TO T. CHRISTY'S OR APPROVED EQUAL. IDENTIFICATION TAPE IS NOT NECESSARY FOR EXTRUDED PURPLE-COLORED PVC WITH CONTINUOUS WORDING "CAUTION - RECYCLED WATER" PRINTED IN CONTRASTING LETTERING ON OPPOSITE SIDES OF THE PIPE.

(CONTINUED ON SHEET 2 OF 2)

RECYCLED WATER NOTES FOR ONSITE RESIDENTIAL USE

Y

Yucaipa Valley Water District

Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##

Sheet 1 of 2

(CONTINUED FROM SHEET 1 OF 2)

- 14. RECYCLED WATER PIPING SHALL BE PURPLE AND IDENTIFIED AS RECYCLED WATER PIPE BY CONTINUOUS MARKING ON BOTH SIDES. THE MARKINGS SHALL INCLUDE THE FOLLOWING: "WARNING RECYCLED WATER DO NOT DRINK", NOMINAL PIPE SIZE, PRESSURE RATING, AND ASTM DESIGNATIONS.
- 15. RECYCLED WATER ISOLATION AND CONTROL VALVE BOXES SHALL BE WEATHERPROOF PURPLE PLASTIC AND MARKED "RECYCLED WATER". *NOTE - ALL CONTROL VALVES SHALL BE BURIED BELOW GRADE AUTOMATIC CONTROL VALVES OPERATED BY A PROGRAMMABLE CONTROLLER. ABOVE GROUND ANIT-SIPHON CONTROL VALVES ARE <u>NOT</u> ALLOWED.
- 16. ALL RECYCLED WATER IRRIGATION SYSTEM CONTROL VALVES, ISOLATION VALVES, QUICK COUPLERS, REGULATORS, AND APPURTENANCES SHALL BE TAGGED. IDENTIFICATION SHALL BE WEATHERPROOF PURPLE PLASTIC, 3-INCHES BY 4-INCHES AND IMPRINTED WITH "WARNING RECYCLED WATER - DO NOT DRINK". REFER TO T. CHRISTY'S OR APPROVED EQUAL.
- 17. ALL AREAS WHERE RECYCLED WATER IS USED SHALL BE POSTED WITH APPROVED SIGNAGE. EACH SIGN SHALL STATE "RECYCLED WATER - DO NOT DRINK" AND DISPLAY THE INTERNATIONAL "DO NOT DRINK" SYMBOL.
- 18. BEFORE ACTIVATION OF THE POTABLE WATER SERVICE THE BACKFLOW DEVICE SHALL BE TESTED AND APPROVED BY A LICENSED BACKFLOW TESTER. ARRANGEMENTS WITH YVWD MUST BE MADE AT LEAST TWO (2) WORKING DAYS IN ADVANCE TO TURN ON THE POTABLE SERVICE TO ALLOW TESTING OF THE DEVICE. POTABLE WATER SERVICE WILL <u>NOT</u> BE ACTIVATED UNTIL THE BACKFLOW DEVICE PASSES INSPECTION.
- 19. BEFORE ACTIVATION OF THE RECYCLED WATER SERVICE, A CROSS CONNECTION TEST AND FINAL INSPECTION AND APPROVAL OF THE IRRIGATION SYSTEM SHALL BE PERFORMED. THE PROPERTY OWNER OR CONTRACTOR SHALL ARRANGE WITH THE DISTRICT FOR AN IRRIGATION COVERAGE TEST AND MAKE ANY MODIFICATIONS OR ADJUSTMENTS DEEMED REQUIRED BEFORE FINAL APPROVAL.
- 20. ALL SPRAY HEADS SHALL BE ADJUSTED TO ELIMINATE OVERSPRAY AND RUNOFF ONTO ADJACENT HARDSCAPES, DRINKING FOUNTAINS OR WATER FEATURES, AND OUTDOOR FURNITURE SUCH AS PICNIC TABLES, ETC.
- 21. RECYCLED WATER IRRIGATION SYSTEMS SHALL ONLY BE OPERATED BETWEEN THE HOURS OF 9:00 PM AND 6:00 AM.
- 22. FAILURE TO COMPLY WITH ANY OF THE YUCAIPA VALLEY WATER DISTRICT STANDARDS MAY RESULT IN TERMINATION OF RECYCLED WATER AND/OR POTABLE WATER SERVICE.

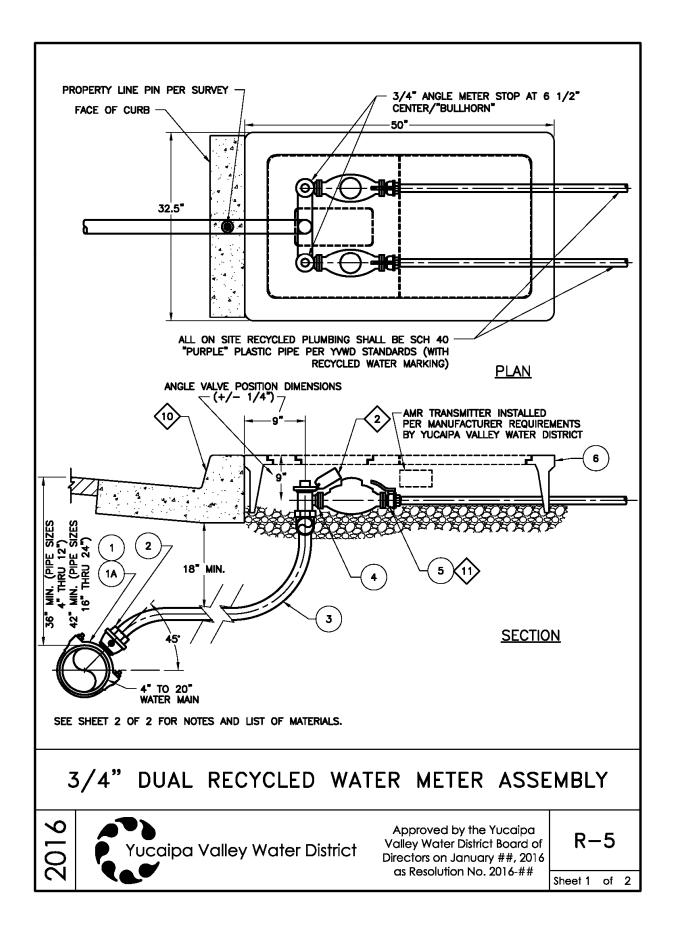
RECYCLED WATER NOTES FOR ONSITE RESIDENTIAL USE

Yucaipa Valley Water District

Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##

$$R-4$$

Sheet 2 of 2

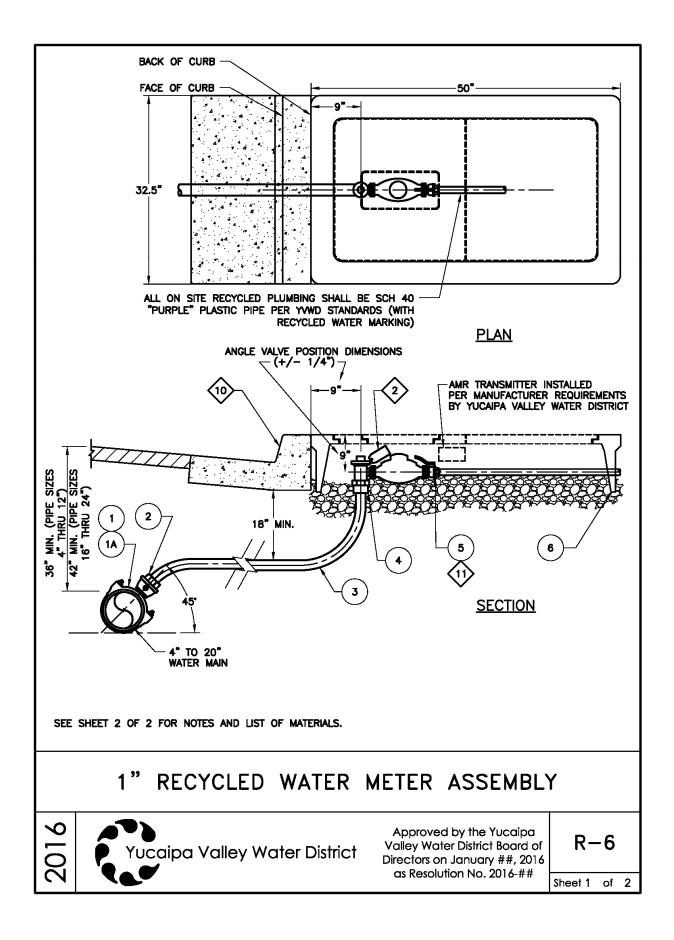


NOTES: SERVICE SADDLE SHALL NOT BE INSTALLED WITHIN 12-INCHES OF VALVE, COUPLING, JOINT OR FITTING. 1. 2 METER'S SHALL BE TAGGED. IDENTIFICATION SHALL BE WEATHERPROOF PURPLE PLASTIC, 3-INCHES BY 4-INCHES WITH THE WORDS "WARNING RECYCLED WATER - DO NOT DRINK". IMPRINTING SHALL BE PERMANENT AND BLACK IN COLOR. USE TAGS MANUFACTURED BY T. CHRISTY ENTERPRISES OR APPROVED EQUAL. 3. SET TOP OF METER BOX FLUSH WITH SIDEWALK OR TOP OF CURB AS SHOWN. 4. THE CORPORATION STOP TAP SHALL BE MADE AT A 45" DEGREE ANGLE FROM THE TOP OF PIPE. THE WATER SERVICE SHALL EXTEND PERPENDICULAR TO CENTERLINE OF STREET FROM THE WATER MAIN TO 5. THE STOP. 6. METER BOX SHALL BE SET BEHIND CURB WHERE SIDEWALK IS ADJACENT TO CURB, OR IN PARKWAY BETWEEN CURB AND SIDEWALK. ALL CONNECTIONS TO "PURPLE P.E." TUBING SHALL BE 1-INCH CTS (COPPER TUBE SIZE) COMPRESSION 7. FITTINGS. 8. METER BOX COVER AND READING LID FOR ALL RECLAIMED WATER SERVICES SHALL BE PAINTED OR CAST/FORMED "PURPLE". ALL SERVICE LATERALS WILL BE LOCATED AT PROPERTY LINES. 9. (10) LOCATE SERVICE WITH 1-1/2-INCH HIGH "RW" CHISELED IN FACE OF CURB WHERE THE SERVICE CROSSES UNDER THE CURB. CUSTOMER SERVICE VALVE REQUIRED ON CUSTOMER SIDE OF METER. METER, CUSTOMER SERVICE VALVE & (11) TAIL PIPE TO BE PROVIDED BY THE DISTRICT. LIST OF MATERIALS MANUFACTURER ITEM NO. SIZE & DESCRIPTION SPEC. NO. DOUBLE STRAP SERVICE SADDLE J-979 I.P. JONES H-16102 TO H-16116 I.P. OUTLET (FOR DUCTILE IRON MUELLER 1 202B-SIZE 1.P.7 323-SIZE-14 ROMAC PIPE MAINS) ROCKWELL CAST SERVICE SADDLE WITH I.P. JONES J-995 **1**A OUTLET ROMAC 101S <u>\$91-</u>SIZE 04 FORD BRONZE CORPORATION STOP (MIP) JONES J-41 2 MUELLER H-10013 THREAD X COMPRESSION (CTS) FORD F500-04 1" PURPLE POLYETHYLENE WESFLEX 1" SDR 9 LAVENDER 3 TUBING-CTS BRONZE ANGLE METER STOP J-2201 JONES BRANCH ASSEMBLY 6 1/2" UVB43-42W-65 09U2AW FORD 4 McDONALD CENTER TO CENTER, 1" CTS X 3/4" M (2) BRONZE CUSTOMER SERVICE JONES J-1908 VALVE-METER NUT X F.I.P. FORD B13-342 5 W/H-34 METER BOX AND COVER WITH ARMOR CAST A6001430PCX12 W/ READING LID (1)-A6001470 - COVER (1)-A6001470DZ -6 COVER (1)-A6000482

3/4" DUAL RECYCLED WATER METER ASSEMBLY

Yucaipa Valley Water District

Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##



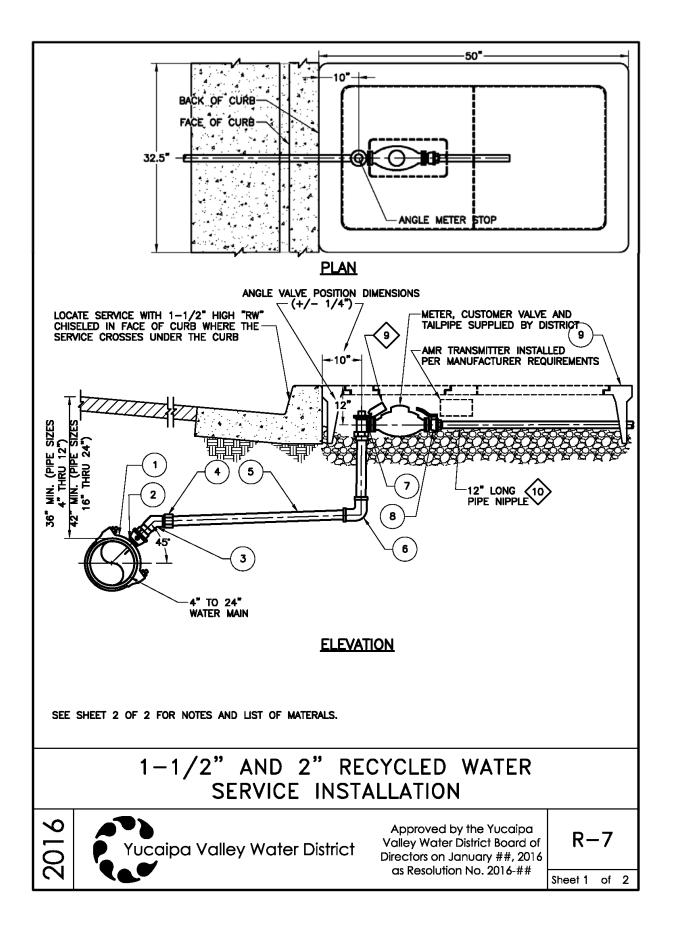
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1" RECYCLED WATER METER ASSEMBLY

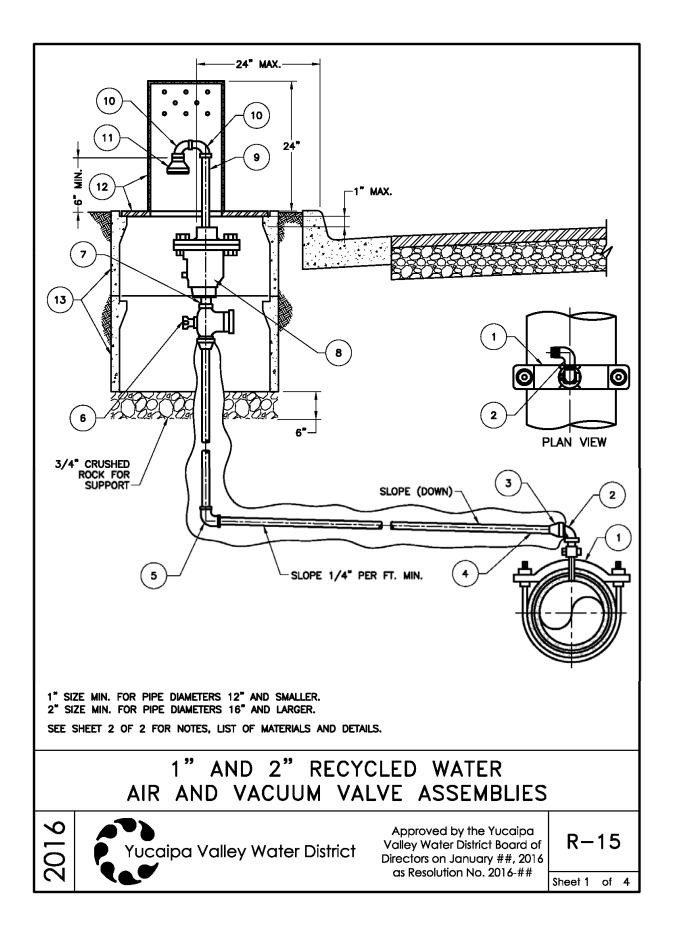
Yucaipa Valley Water District

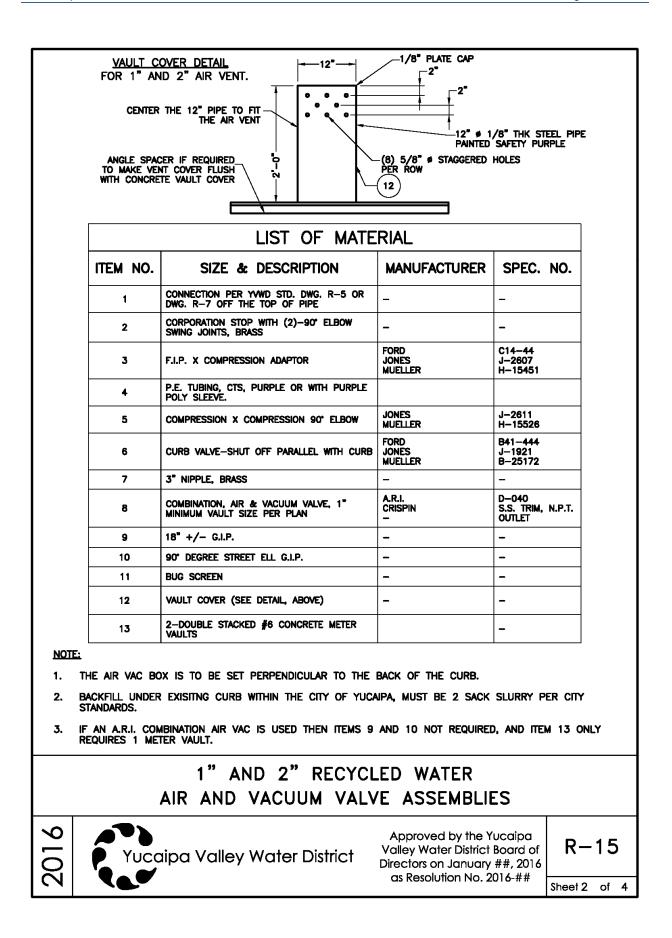
Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##

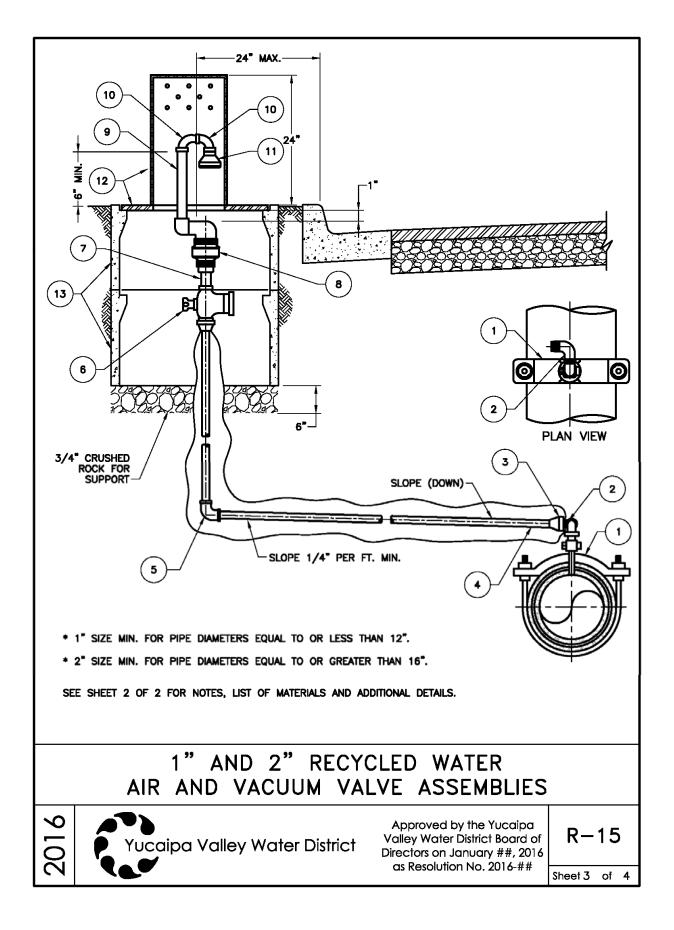
Sheet 2 of 2

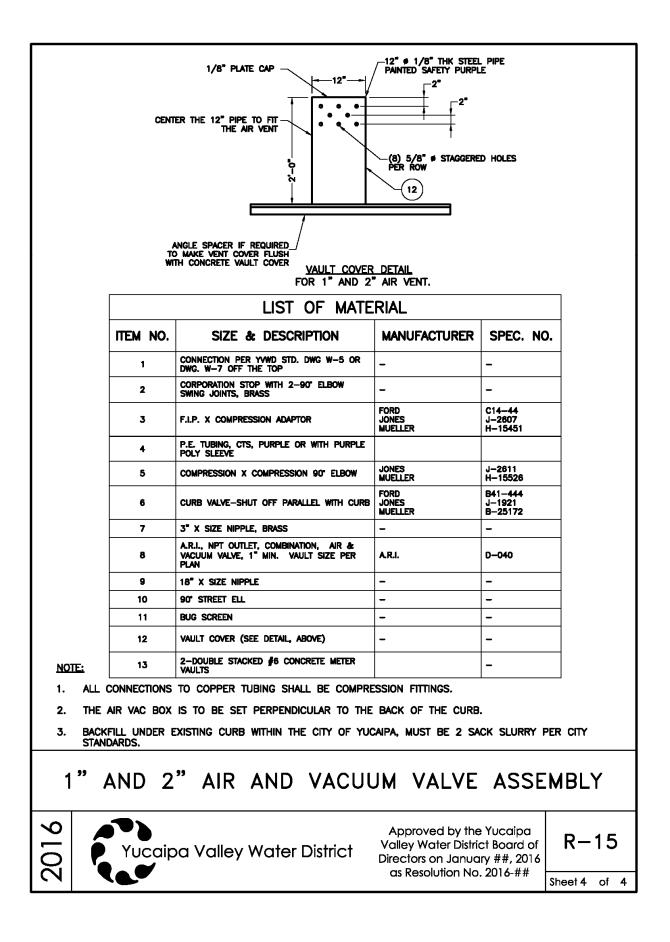


NOTES: SERVICE SADDLE SHALL NOT BE INSTALLED WITHIN 12-INCHES OF VALVE, COUPLING, JOINT OR FITTING. 1. IF PURPLE PE TUBING CAN NOT BE USED, PURPLE POLY-SLEEVE SHALL BE USED AND SECURED AT THE 2. CORP. AND THE ANGLE VALVE WITH 10 MIL. TAPE. 3. SET TOP OF METER BOX FLUSH WITH SIDEWALK OR CURB AS SHOWN. THE CORPORATION STOP TAP SHALL BE MADE AT A 45° DEGREE ANGLE FROM THE TOP OF THE PIPE. 4. THE WATER SERVICE SHALL EXTEND PERPENDICULAR TO THE CENTERLINE OF THE STREET FROM THE 5. WATER MAIN TO THE METER STOP. METER BOX SHALL BE SET BEHIND CURB WHERE SIDEWALK IS ADJACENT TO CURB, OR IN PARKWAY 6. BETWEEN CURB AND SIDEWALK. 7. METER BOX COVER AND READING LID FOR ALL RECLAIMED WATER SERVICE SHALL BE PAINTED PURPLE AND STAMPED WITH "RECYCLED WATER" LOGO. 8. METER BOX COVER AND READING LID FOR ALL RECLAIMED WATER SERVICES SHALL BE PAINTED OR CAST/FORMED "PURPLE". METERS SHALL BE TAGGED. IDENTIFICATION SHALL BE WEATHERPROOF PURPLE PLASTIC, 3-INCHES BY 9 4-INCHES WITH THE WORDS "WARNING RECYCLED WATER - DO NOT DRINK". IMPRINTING SHALL BE PERMANENT AND BLACK IN COLOR. USE TAGS MANUFACTURED BY T. CHRISTY ENTERPRISES OR APPROVED EQUAL. (10) ALL ONSITE PIPING IS PURPLE SCH 40 PVC PER YVWD RECYCLED DESIGN AND CONSTRUCTION STANDARDS. LIST OF MATERIALS ITEM SIZE & DESCRIPTION MANUFACTURER SPEC. NO. NO. DOUBLE STRAP SERVICE JONES J-979 I.P. SADDLE I.P. OUTLET (FOR MUELLER H-16102 TO H-16116 1 202B-SIZE 1.P.7 323-SIZE-14 DUCTILE IRON PIPE MAINS) FORD ROCKWELL BRONZE CORPORATION STOP JONES J-1943 MIPT X MIPT FB500-7 2 FORD MUELLER B-2969 45" DEGREE BRASS ELBOW 3 M.I.P. X COMPRESSION MUELLER H-15428 C84-77 ADAPTOR 4 FORD J-2605 JONES 2" POLYETHYLENE TUBING -5 CTS - PURPLE OR WITH PURPLE POLY SLEEVE BRASS 90" ELBOW, 2" X 2" COMPRESSION X COMPRESSION JONES J-2611 6 MUELLER H-15526 BRONZE ANGLE METER STOP JONES MUELLER J-4205 P-14277 W/LOCKWING COMPRESSION CTS 7 X FLANGE 1 1/2" THRU 2" COMBO ANGLE VALVE. FV43-777W FORD J-1913 BRONZE CUSTOMER SERVICE JONES 8 VALVE-METER FLANGE X F.I.P. FORD BF13-777 W/HH-67 METER BOX AND COVER WITH ARMOR CAST A6001430PCX12 W/ READING LID (1)-A6001470 -COVER 9 (1)-A6001470DZ -COVER (1)-A6000482 1-1/2" AND 2" RECYCLED WATER SERVICE INSTALLATION C Approved by the Yucaipa R-7 Valley Water District Board of Yucaipa Valley Water District Directors on January ##, 2016 as Resolution No. 2016-## Sheet 2 of 2









Yucaipa Valley Water District

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Approved by the Yucaipa Valley Water District Board of Directors on January ##, 2016 as Resolution No. 2016-##

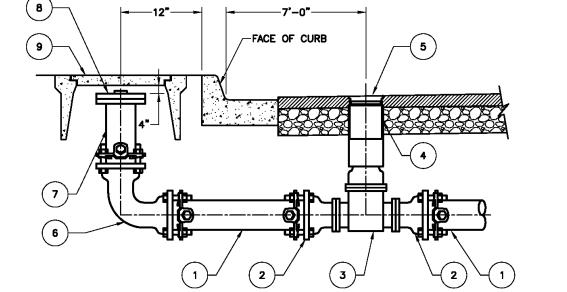
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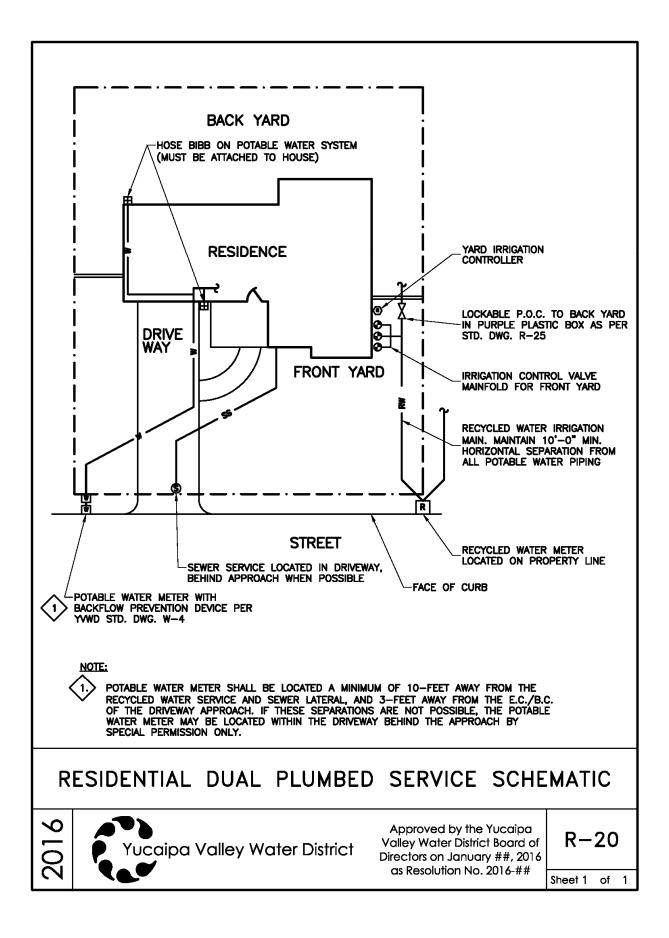
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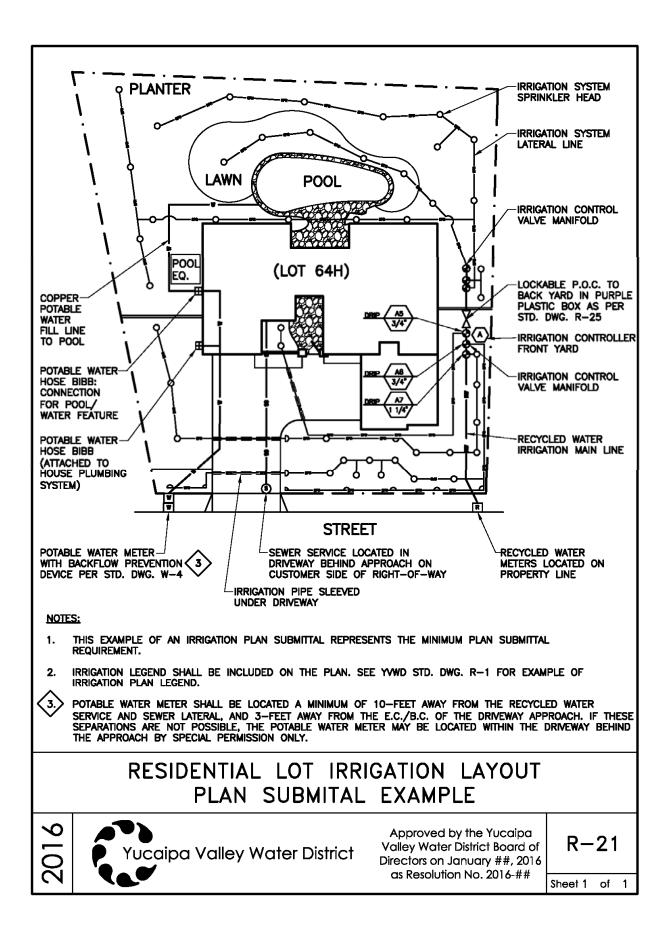
Sheet 1 of

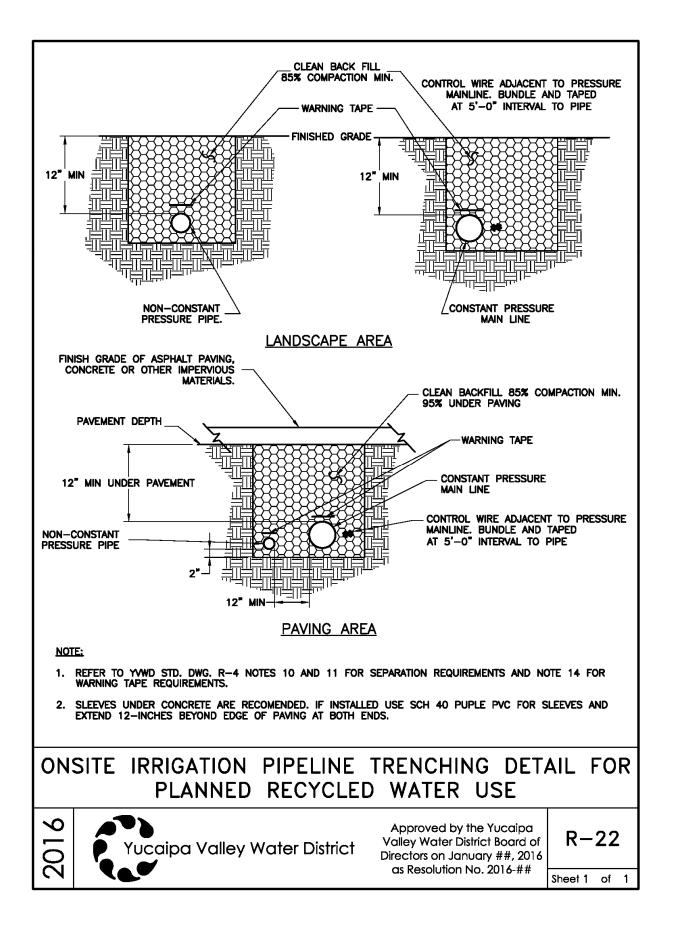
4 RECYCLED WATER BLOW-OFF ASSEMBLY

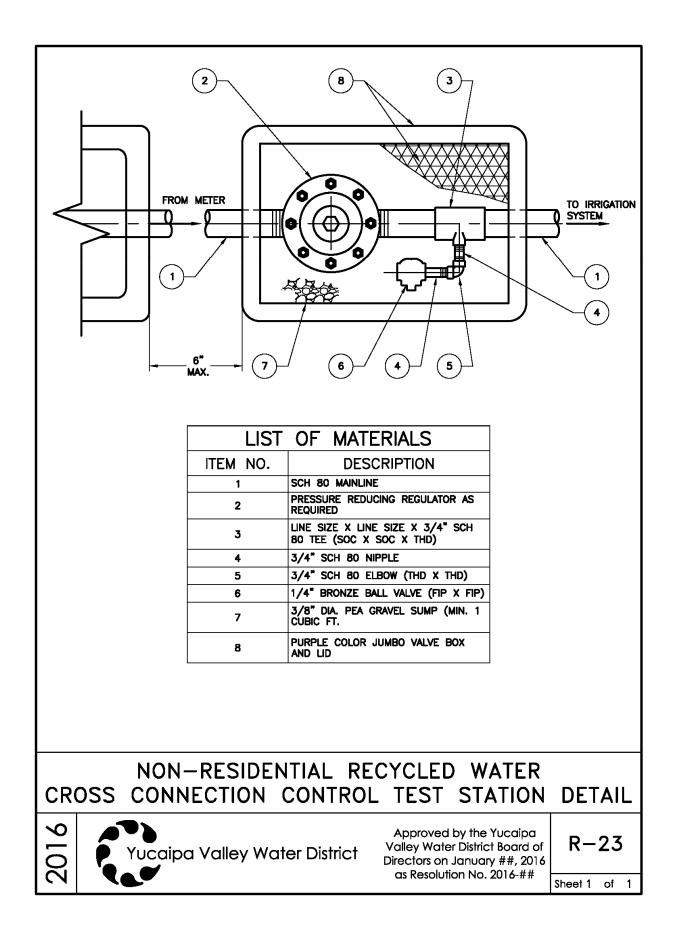
	LIST OF MA	TERIAL	
ITEM NUMBER	DESCRIPTION	MANUFACTURER	PART NUMBER
1	4" DIP, RESTRAINED		
2	4" MJ X FLG ADAPTER WITH MEGALUG RESTRAINTS		
3	4" GATE VALVE, FLG X FLG, RESILIENT WEDGE, EPOXY COATED	MUELLER	
4	VALVE BOX PER YVWD STD. W-20		
5	VALVE CAN LID, LABELED "RECYCLED" PER YVWD STD. W-20		
6	4" DIP 90" ELBOW, MJ X MJ WITH MEGALUG RESTRAINTS		
7	4" DIP, FLG X PLAIN END (HALF SPOOL)		
8	4" X 2" FIP THD X COMPANION FLG W/2" BRASS PLUG		
9	METER BOX W/SOLID LID, PURPLE IN COLOR W/ "RECYCLED" LOGO	ARMORCAST	BOX - A6000485 LID - A6000484

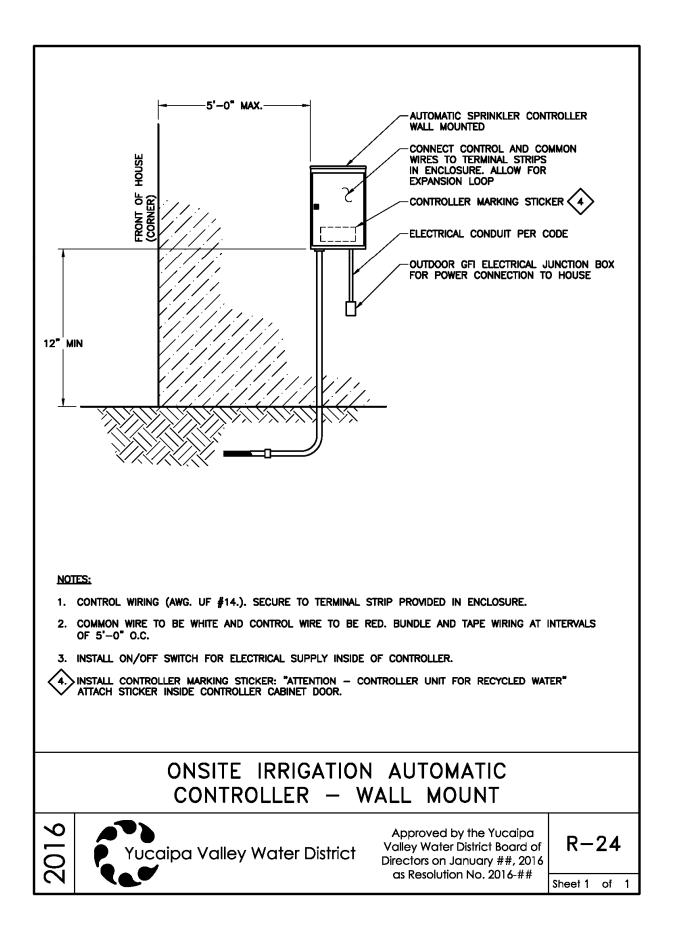


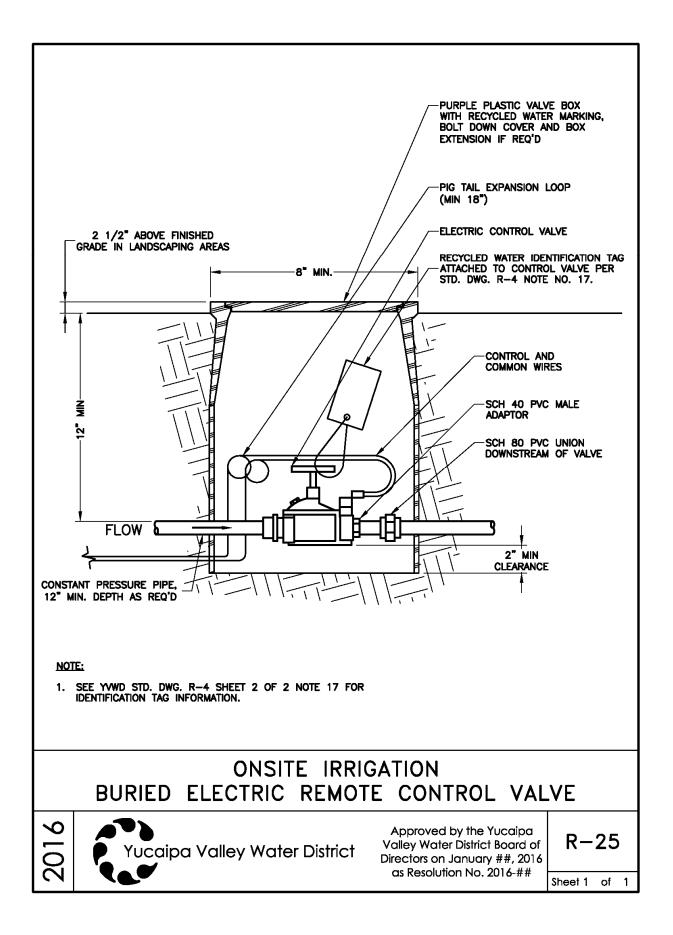














Yucaipa Valley Water District Workshop Memorandum 16-050

Date: March 8, 2016

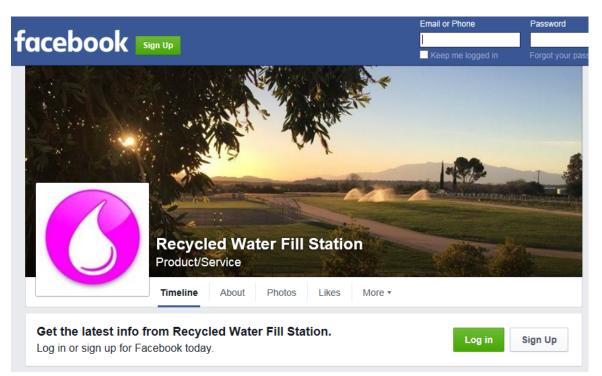
Subject: Operational Update of the Recycled Water Filling Station for Customers of the Yucaipa Valley Water District

The Yucaipa Valley Water District staff has been investigating the implementation of a recycled water filling station to meet the needs of customers interested in using recycled water for irrigation use at their homes.

On August 5, 2015, the Board of Directors authorized the District staff to proceed with the implementation of a recycled water filling station. On November 2, 2015, the District received a permit to operate the system from the State Water Resources Control Board, Division of Drinking Water.

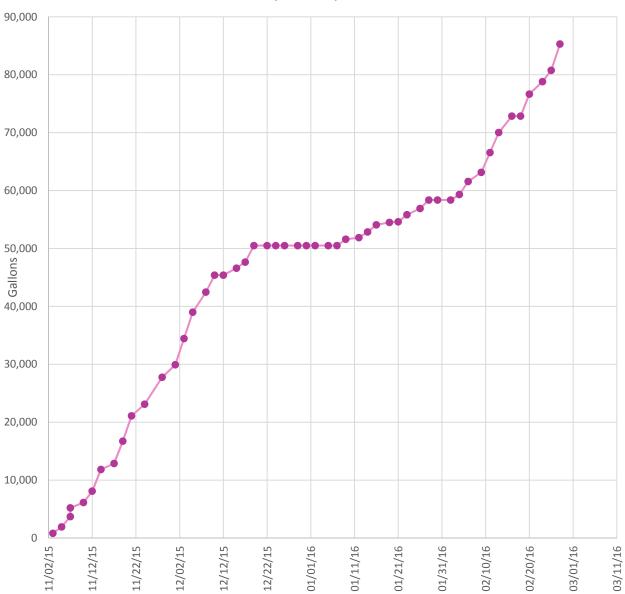


Over the past several months, the District has hosted a series of meetings to train residential customers interested in receiving the recycled water from this facility. The purpose of this workshop item is to provide an update on the operation of the facility.



Page 2 of 2

Over the first four months of operation, customers of the Yucaipa Valley Water District have picked up 85,302 gallons of recycled water for use on at their homes.



Accumulated Quantity of Recycled Water - Fill Station

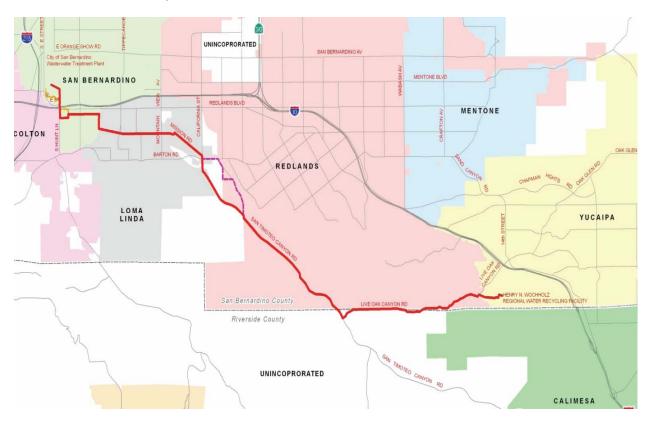


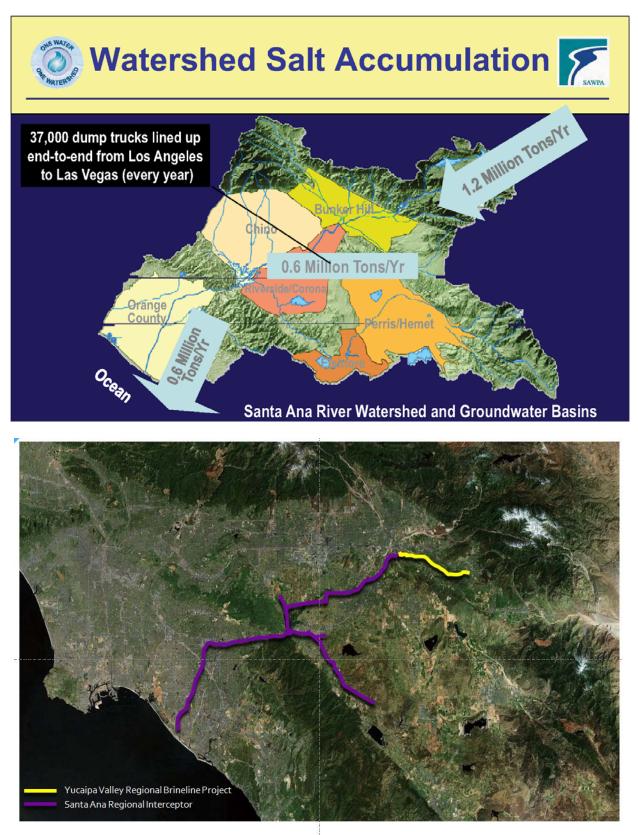
Date: March 8, 2016

Subject: Purchase of Inland Empire Brineline Pipeline and Treatment Capacity from the San Bernardino Valley Municipal Water District

The Yucaipa Valley Water District has constructed a reverse osmosis treatment process at the wastewater treatment plant to comply with the water quality objectives set by the Santa Ana Regional Water Quality Control Board ("Regional Board"). The reverse osmosis treatment process enables the District to remove salts and minerals from the recycled water supply which results in an exceptionally pure quality recycled water source. The salt water waste produced from the reverse osmosis system, referred to as brine or reverse osmosis concentrate, must be conveyed in a pipeline to lower portions of the Santa Ana Watershed so it does not impact fresh water supplies.

In 2013, the Yucaipa Valley Water District completed the construction of the Yucaipa Valley Regional Brineline which extends from Yucaipa to San Bernardino. This pipeline is essential for the disposal of brine generated from the production of recycled water that meets the water quality requirements of the Regional Board.

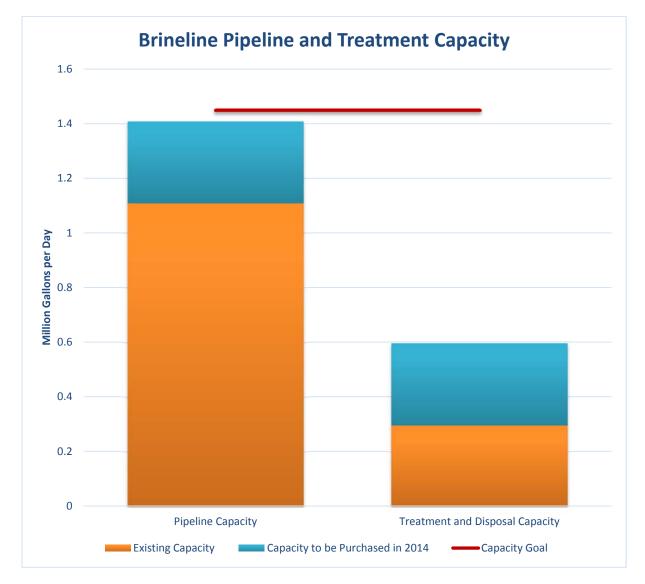




Yucaipa Valley Regional Water Supply Renewal Project

The Yucaipa Valley Water District currently owns 1.108 million gallons per day of brineline pipeline capacity in the Inland Empire Brineline, formally referred to as the Santa Ana Regional Interceptor (SARI). The District purchased 0.108 million gallons per day of pipeline capacity in 1993 and made a second purchase of pipeline capacity of 1.0 million gallons per day in 2006.

In 2013, the Yucaipa Valley Water District purchased 0.295 million gallons per day of treatment and disposal capacity at the Orange County Sanitation District's facilities.



The Yucaipa Valley Water District has been working with the San Bernardino Valley Municipal Water District for the purchase of an additional 300,000 gallons per day of pipeline and treatment capacity for brine disposal. The purpose of this workshop item is to provide an update on the status of the purchase arrangement.

Capital Improvement Projects



Yucaipa Valley Water District - March 8, 2016 - Page 161 of 235

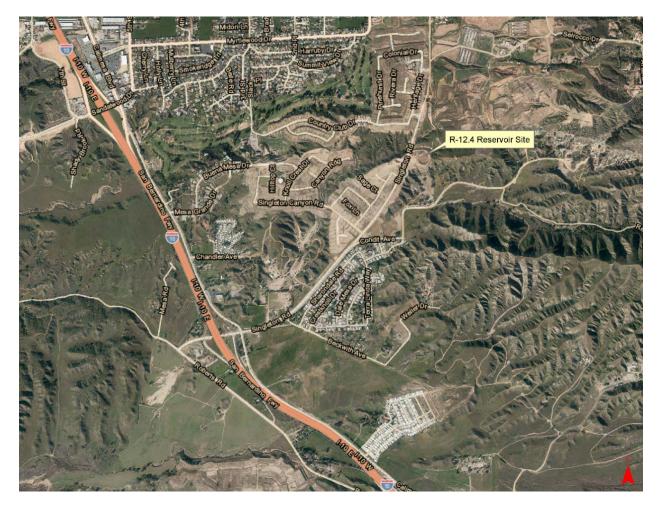


Yucaipa Valley Water District Workshop Memorandum 16-052

Date: March 8, 2016

Subject: Status Report on the Construction of a 6.0 Million Gallon Drinking Water Reservoir R-12.4 - Calimesa

At the regular meeting on July 16, 2014, the Board authorized the solicitation of bids for the construction of a 6.0 Million Gallon R-12.4 Reservoir located on Singleton Road in Calimesa [Director Memorandum No. 14-060]. On November 19, 2014, the Board of Directors awarded the construction contract for the reservoir facility to Gateway Pacific Contractors [Director Memorandum No. 14-091].



The purpose of this agenda item is to provide an update on the progress of the reservoir construction project.







Workshop Memorandum 16-053

Date: March 8, 2016

Subject: Status Report on the Digester Cleaning and Cover Replacement Project at the Wochholz Regional Water Recycling Facility

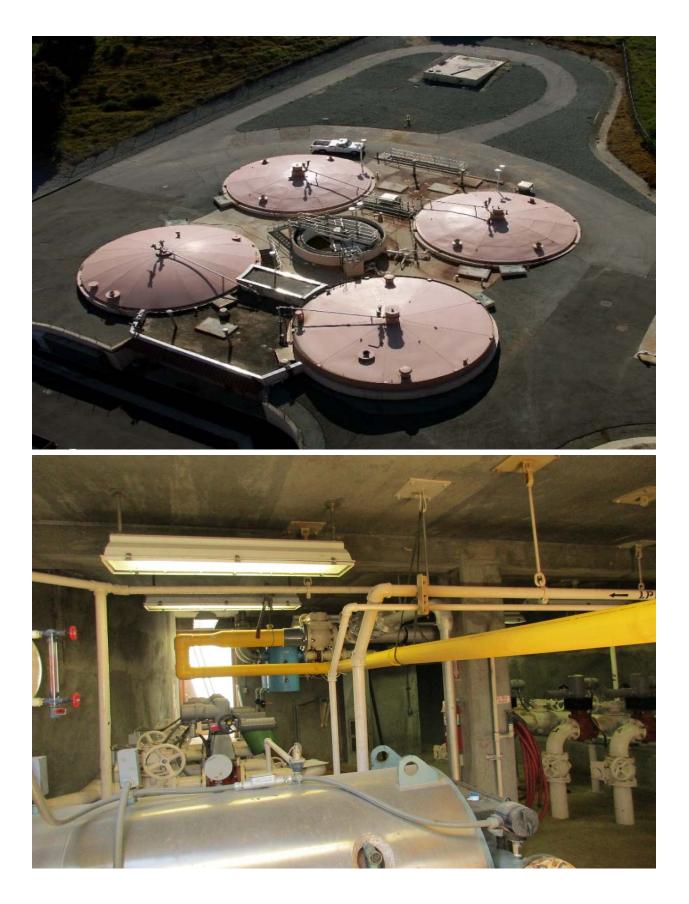
The Yucaipa Valley Water District operates and maintains four anaerobic digesters for sludge conditioning, each with a diameter of 45 feet and a side water depth of 22 feet, yielding a working capacity of approximately 262,000 gallons per digester. The digesters treat sludge drawn from both the primary clarifiers and from the dissolved air flotation thickeners. Digested sludge flows by gravity and can be stored temporarily in a sludge holding tank before being conveyed to the belt presses for dewatering. To keep the digesters functioning properly they should be cleaned every 8-10 years in order to remove the accumulated build-up of sand, grit, and other debris.

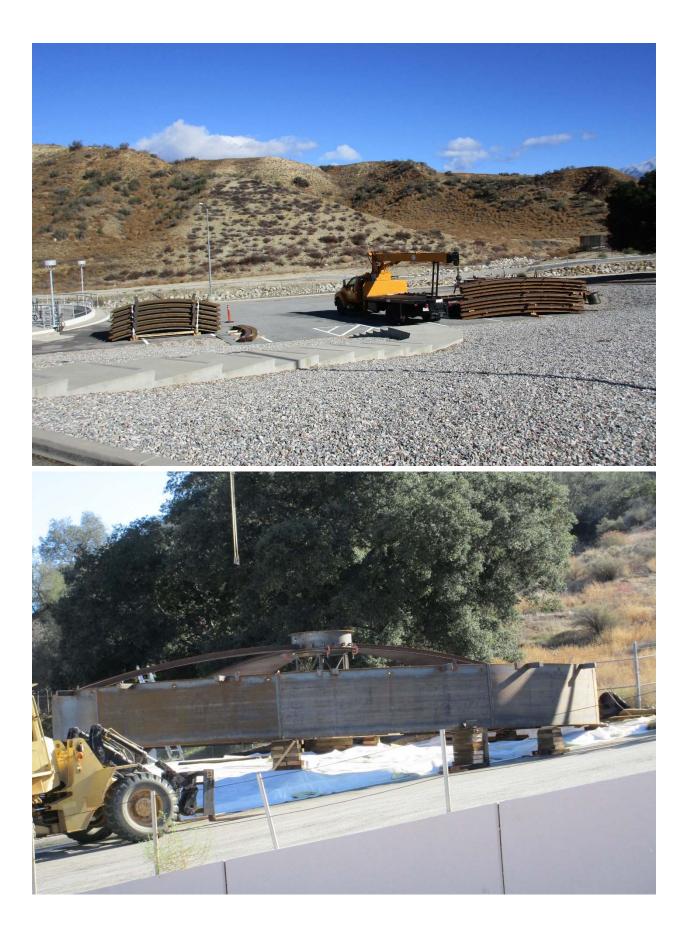
Projects	Construction Timeline	Summary of Work
Wastewater Treatment Plant	1976-design 1984-constr	 Construction of Digester Nos. 1 and 2 and appurtenant equipment, (e.g. heaters) Digester No. 1 equipped with a fixed cover and Digester No. 2 equipped with a floating cover
Stage I Expansion Project	1992	 Construction of Digester Nos. 3 and 4 Both Digester No. 3 and Digester No. 4 equipped with fixed covers
Digester No. 2 Cover Modifications	1994	 Digester No. 2 cover converted from floating to fixed configuration
Digester Cleaning	2004	 Digester Nos. 1-4 Cleaning
Digester Coating	2005	 Digester Nos. 1-4 Coating of Cover
Digester and Sludge Holding Tank Modifications Project	2005	 Digester Nos. 1-4 and Digester Holding Tank Pump Mix System installation

When the digesters were cleaned in 2005, the District staff assessed the condition of the digesters and related equipment. Based on corrosion identified at this time, the District made a decision to replace at least two covers the next time the digesters were scheduled to be cleaned.

In 2015, the District staff worked with RMC to develop a construction bid schedule that included a series of construction alternatives for cleaning and/or replacement of the digester covers. After carefully evaluating the cleaning/construction bids received for this project, the Board of Directors decided to award a construction contract to Pascal & Ludwig for the cleaning and replacement of four digester covers for a sum not to exceed \$2,175,000. [DM 15-041]

The purpose of this agenda item is to provide an update on the status of the construction project.







Policy Issues



Yucaipa Valley Water District - March 8, 2016 - Page 169 of 235



Workshop Memorandum 16-054

Date: March 8, 2016

Subject: Consideration of Policies Regarding Procurement Methodologies and Emergency Procedures

As discussed at the regular board meeting on January 20, 2016 [Director Memorandum No. 16-011], the District staff has implemented a new procurement system that has been used to solicit bids for the demolition of the Cedar Avenue facilities [Workshop Memorandum No. 16-019]. This system will be used by the Public Works Department for the solicitation of paving costs associated with District construction projects.

Vucaipa Valley Water District An independent special district proudly serving Yucaipa and Calimesa				
HOME ABOUT US C	ALENDAR PROGRAMS PUBLICATIONS SERVICES HOW DO I CONTACT US			
Customer Service	Services			
Drinking Water	Request For Proposals			
Education				
Emergency Response	Font Size: 🖬 🚍 🕂 <u>Share & Bookmark</u> [+] <u>Feedback</u> 🚭 <u>Print</u>			
Engineering	(All Categories) (All Bids) (All Years)			
Finance	RFP NUMBER TITLE STARTING CLOSING STATUS			
Pretreatment	151201 Demolition of Cedar Avenue Structures 12/16/2015 5:00 PM 01/20/2016 2:00 PM Open			
District Projects				
Public Works	The Yucaipa Valley Water District invites interested parties to register to receive email notifications when new opportunities are posted to this page. Use the button below to be added to our email notification			
Recycled Water				
Request for Proposals	system.			
Salt Disposal				
C	Receive RFPs by Email			

Over the past twenty years, the Board of Directors and the District staff responded to three significant emergency facility repairs that were beyond the capability of the District staff to repair in an efficient and effective manner. Two of the emergencies involved sewer force mainline failures near Lift Station No. 1, and the third involved the sewer bridge south of Interstate 10. While these issues do not occur on a regular basis, the Board of Directors requested the preparation of a policy that outlines the process and procedure used to respond to emergency situations. The attached resolution has been prepared as a draft document for discussion by the Board of Directors and was continued from the board workshop on January 26, 2016 as Workshop Memorandum No. 16-020.

DRAFT RESOLUTION

RESOLUTION NO. 2016-0x

RESOLUTION OF THE YUCAIPA VALLEY WATER DISTRICT ADOPTING EXCEPTIONS TO STANDARD PROCUREMENT PRACTICES TO AVOID POTENTIAL EMERGENCIES AND TO RESPOND TO EMERGENCY SITUATIONS

Whereas, the Yucaipa Valley Water District maintains and operates drinking water, sewer, recycled water and brineline related infrastructure that is necessary to protect public health, safety and property in the region; and

Whereas, the Yucaipa Valley Water District Board of Directors recognize that there will be times when the District staff must use vendors, contractors and consultants to meet the needs of emergency situations for the immediate supplies, services, or construction that otherwise cannot be met through traditional procurement methods.

NOW, THEREFORE, BE IT HEREBY RESOLVED AND ORDERED, that the Board of Directors of the Yucaipa Valley Water District hereby adopts the following process for the procurement of services in advance of a disaster or in response to an emergency situation.

Emergency Procurement - Award of a Contract without Competition

An emergency procurement involves a specialized situation or event whereby the District staff, through the General Manager or his/her designee, is pre-authorized to procure services, supplies or construction repairs without the use of a competitive procurement process.

An emergency procurement may only be used when circumstances create potential harm or risk of harm to public health, welfare, safety, or property. Circumstances that may create harm or risk to health, welfare, safety, or property are defined by the General Manager and include, but are not limited to:

- A. Damage or potential damage to a facility or infrastructure resulting from flood, fire, earthquake, storm, explosion or other conditions;
- B. Failure or potential failure of a public building, equipment, road, bridge, utility, pipeline, reservoir, pump/lift station, treatment plant, treatment process, or similar situation that may impact an ancillary service provider to the District;

- C. Terrorist activity;
- D. Epidemics;
- E. Civil unrest;
- F. Events that impair the ability of the District to function or perform required services;
- G. Situations that may cause harm or injury to life or property; or
- H. Other conditions as determined by the General Manager.

Emergency procurements are those procurements necessary to mitigate an emergency situation or the reasonable potential of an emergency.

While a standard procurement process is not required under an emergency procurement, when practicable, the District should seek to obtain as much competition as possible through use of phone quotes, Internet quotes, limited invitations to bid, or other selection methods while avoiding harm, or risk of harm, to the public health, safety, welfare, property, or impairing the ability of a public entity to function or perform required services.

The District staff shall provide information about the emergency procurement of supplies, services or construction activity in the form of a written memorandum or presentation at a publicly noticed board meeting or board workshop.

PASSED, APPROVED and ADOPTED this ____ day of March 2016.

YUCAIPA VALLEY WATER DISTRICT

ATTEST:

Lonni Granlund, President Board of Directors

Joseph B. Zoba, General Manager



Workshop Memorandum 16-055

Date: March 8, 2016

Subject: Consideration of Policies Regarding Long-Term Implementation Plans Related to Smart Manhole Covers and Skydrop Irrigation Controllers

In 2015, the Board of Directors authorized the procurement and implementation of Skydrop Irrigation Controllers and Smart Covers for manholes. These two devices have significantly improved the overall operation, efficiency, and effectiveness of the Yucaipa Valley Water District's water and sewer operations.

- On May 6, 2015, the Board of Directors approved the purchase of \$250,000 worth of Skydrop Irrigation Controllers [Director Memorandum No. 15-043].
- On November 4, 2015, the Board of Directors approved the purchase of nine SmartCover systems for monitoring the sewer collection system [Director Memorandum No. 15-101].

While the District has made large financial commitments for these devices, the Board of Directors may desire to consider establishing policies that provide direction to the District staff to develop an ongoing program of financial support for both existing customers as well as new customers for the gradual expansion and maintenance of these water and sewer tools.



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Workshop Memorandum 16-056

Date: March 8, 2016

Subject: Consideration of Policies Regarding the Purchase of Supplemental Water Supplies for the Yucaipa Valley Water District

On August 17, 2011, the Board of Directors adopted Resolution No. 18-2011 setting rates, fees and charges for drinking water, sewer and recycled water. Section 4.2 of Resolution No. 18-2011

is currently being analyzed for compliance with the San Juan Capistrano tiered rate case. Based on this case, the District may need to consolidate

<u>Potable Water Commodity Charge</u>. The water commodity charge rate is the charge per one thousand gallons (kgal) for all water registered by the customer's water meter in a monthly billing cycle and is herein established as follows:

Potable Water Consum (kgal)	otion Commodity Rate (\$/kgal)
1 – 15 Billing Units	\$1.429
16 – 60 Billing Units	\$1.919
61 – 100 Billing Units	\$2.099
101 and greater Billing U	Inits \$2.429

the current tiered rate structure into a flat unit rate for drinking water service.

Resolution No. 18-2011 also established a calculation methodology for the purchase of imported water as a pass-through rate structure from water wholesale agencies. This calculation adjusts automatically to keep current with the imported water rates charged by the San Bernardino Valley Municipal Water District and the San Gorgonio Pass Water Agency.

The formula included in Section 4.4.2 is based on the purchase of imported water at a ratio of 70% of the drinking water consumed by our customers. Applying this methodology to the imported water rates set by wholesale agencies, customers in Yucaipa pay \$0.27/kgal and customers in Calimesa pay \$0.66/kgal. The disparity in rates is not unusual given the fact that the two wholesale

4.4.2 <u>Calculation Methodology</u>. The calculation definitions and methodology is applicable to the Imported Water Rates charged by both the San Bernardino Valley Municipal Water District and the San Gorgonio Pass Water Agency as follows.

Imported Water Commodity Charge = $(0.7)x \begin{pmatrix} Imported \\ Water Rate \end{pmatrix} x (0.00307)$

Definitions:

- Imported Water Commodity Charge (expressed in units of \$/kgal) represents the calculated charge implemented by the Yucaipa Valley Water District and applied to customer utility bills within the respective service area of the San Bernardino Valley Municipal Water District and the San Gorgonio Pass Water Agency.
- Imported Water Rate (expressed in units of \$/acre-foot) represents the rate charged by the San Bernardino Valley Municipal Water District and the San Gorgonio Pass Water Agency for water delivered to the Yucaipa Valley Regional Water Filtration Facility.

agencies have different rate factors, priorities and methodologies used to set their imported water rates.

In order to provide the necessary funding for the storage of imported water in the Bunker Hill, Yucaipa and Beaumont basins under the adjudicated rules and conjunctive use projects, the Board of Directors should discuss and consider setting policies that provide a slow and steady change from the current 70% factor to a 100% factor (or 115% considering the District's sustainability policy) to ensure that sufficient water is purchased and stored to supply water to the community for long-term stress of water systems, outages of the State Water Project, and future droughts. This factor may also be re-established to include the necessary funding for the recharge of recycled water at the Wilson Creek Spreading basins.

Development Projects



Yucaipa Valley Water District - March 8, 2016 - Page 176 of 235



Yucaipa Valley Water District Workshop Memorandum 16-057

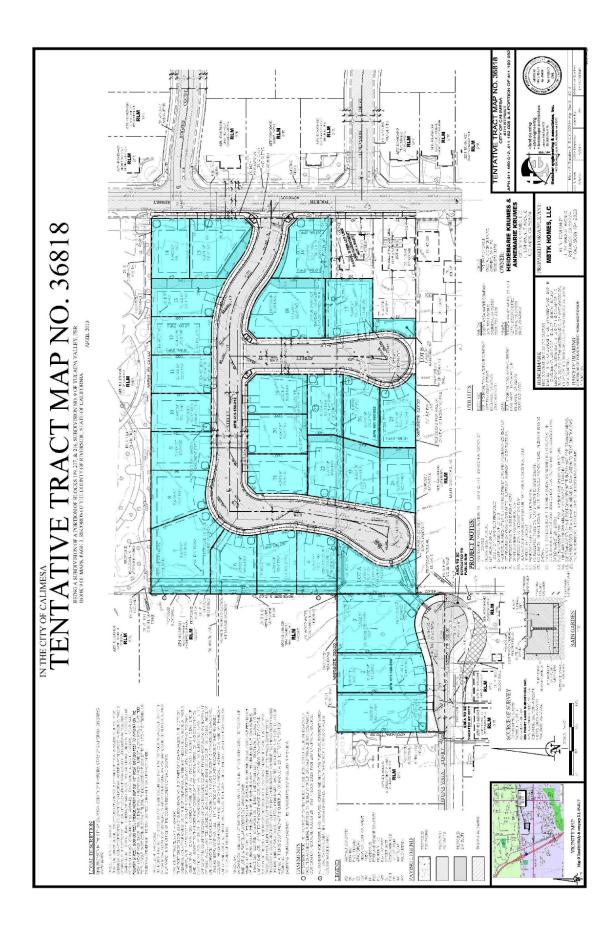
Date: March 8, 2016

Subject: Development Agreement No. 2016-03 to Provide Sewer Facilities and Service to the Private Development of Tract Map 36818, MBTK Homes, LLC (Assessor's Parcel Numbers 411-150-012, 411-160-006 and 411-160-032)

The proposed development of Tract Map No. 36818 consists of 27 single family residential units on approximately 7.33 acres, located on the west side of 4th Street between Flordason Drive and Rogers Court, north of Avenue L in the City of Calimesa.



The District staff has been working with the developers for the preparation of a development agreement. The specific conditions of service for this project are included in Part G: Special Conditions of the attached agreement.



YVWD AGREEMENT NO. 2016-03

AGREEMENT TO PROVIDE SEWER FACILITIES AND SERVICE TO THE PRIVATE DEVELOPMENT OF TRACT MAP 36818

This Agreement is made and effective this <u>16th</u> day of <u>March</u>, 2016, by and between the YUCAIPA VALLEY WATER DISTRICT, a public agency ("DISTRICT") and <u>MBTK Homes, LLC</u>, ("DEVELOPER"). Each is sometimes referred to herein as a "Party" and jointly as the "Parties".

Contact information for the parties is as follows:

DISTRICT:

Yucaipa Valley Water District 12770 Second Street Post Office Box 730 Yucaipa, California 92399-0730 Attn: Joseph B. Zoba, General Manager Telephone: (909) 797-5119 Facsimile (909) 797-6381

DEVELOPER:

MBTK Homes, LLC 11154 Walnut Avenue

Redlands, California 92374 Attn: Mark Buoye Telephone: (909) 499-8353 Facsimile:

PROJECT OVERVIEW

This "Sewer Only" development consists of 27 single family residential units on approximately 7.33 acres. The project consists of APNs 411-150-012, 411-160-006 and 411-160-032 which are located on the west side of 4th Street between Flordason Drive and Rogers Court, north of Avenue L in the City of Calimesa, Riverside County. The proposed development of the Property will not include phased construction. (see "Attachment A – Project Overview Map")

The Yucaipa Valley Water District has been involved in the review process for this project and has established the following development related project files: P-65-305Work Order 65-20857

RECITALS

WHEREAS, DEVELOPER desires to develop its Property situated within the service area of the DISTRICT, and

WHEREAS, DEVELOPER proposes to develop the DEVELOPER's Property in the manner generally proposed and in accordance with the currently approved maps and construction drawings reviewed by the Yucaipa Valley Water District at this time, and

WHEREAS, DEVELOPER desires to obtain water (as used herein, "water" includes, but is not limited to, recycled water where applicable) and sewer service from the DISTRICT for its development in accordance with the DISTRICT's Rules, Regulations and Policies; and

WHEREAS, it is the purpose of this Agreement to set forth the terms and conditions by which the DISTRICT will provide water and sewer service to the DEVELOPER's Property.

AGREEMENT

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein, the DEVELOPER and the DISTRICT agree as follows:

PART A: THE FACILITIES

1. <u>General Description</u>.

a. The DEVELOPER proposes to develop its Property as provided on the approved development construction drawings approved by the DISTRICT (the "Approved Plans" as defined in Paragraph 3(a) of this Agreement) which includes water and sewer facilities ("Facilities" or "Facility") necessary to serve the Property.

b. <u>Ownership: Operation and Maintenance</u>: Once constructed and accepted by the DISTRICT, title to the facilities (and associated right-of-way) shall be conveyed by the DEVELOPER to the DISTRICT, and the DISTRICT shall operate and maintain the facilities and shall provide water and sewer service to the DEVELOPER's Property in accordance with the DISTRICT's Rules, Regulations and Policies and the provisions of this Agreement.

PART B: DESIGN AND CONSTRUCTION

2. <u>Licensed Professionals</u>. All work, labor and services performed and provided in connection with (for example) the preparation of surveys and descriptions of real property and right-of-ways, the preparation of construction specifications, plans and drawings, and the construction of all Facilities, shall be performed by, or under the direction of, professionals appropriately licensed by the State of California and in good standing. In the event the

DISTRICT reasonably determines after conferring with the DEVELOPER that other licensed professionals are required in order to satisfy the obligations of the DEVELOPER hereunder, the DEVELOPER shall promptly retain such professionals at its sole cost and expense.

3. <u>Plan Acceptance; Facility Acceptance</u>.

a. The DISTRICT shall within 30 calendar days of receipt respond to all plans and specifications ("Plans") related to the construction of the Facilities. Upon its final review and approval of the Plans, the DISTRICT shall sign the construction drawings ("Approved Plans") indicating such approval ("Plan Acceptance"). Plans are subject to an annual review by the District and modifications may be required by the DISTRICT to conform to revised construction standards.

b. The DEVELOPER shall not permit, or suffer to permit, the construction of any Facility without having first obtained Plan Acceptance. In the event the DEVELOPER fails or refuses to obtain the DISTRICT's Plan Acceptance, the DISTRICT may refuse, in its sole discretion and without liability to the DEVELOPER, to issue its Facility Acceptance (as that term is defined below) as to such Facility when completed.

c. The DEVELOPER shall not deviate from any Approved Plans and/or specifications without the DISTRICT's prior written approval.

d. All construction work shall be inspected on a timely basis by DISTRICT personnel and/or by DISTRICT's consultants at the sole cost of the DEVELOPER. The DEVELOPER acknowledges that the inspector(s) shall have the authority to require that any and all unacceptable materials, workmanship, construction and/or installation not in conformance with either (i) the Approved Plans, or (ii) standard practices, qualities and standards in the industry, as reasonably determined by the DISTRICT, shall be replaced, repaired or corrected at DEVELOPER's sole cost and expense.

e. In the event the DEVELOPER's contractor proposes to work overtime and beyond normal business hours, the DEVELOPER shall obtain the DISTRICT's approval at least 24 hours in advance so that inspection services may be appropriately scheduled. The DEVELOPER shall be solely responsible for paying all costs and expenses associated with such inspection services.

f. The DISTRICT shall promptly upon request of DEVELOPER cause the final inspection of a Facility which DEVELOPER indicates is completed. If the DISTRICT finds such Facilities to have been completed in conformance with the Approved Plans for which a Plan Acceptance has been issued, then DISTRICT shall issue to DEVELOPER its letter ("Facility Acceptance") indicating satisfactory completion of the Facility and DISTRICT's acceptance thereof. Neither inspection nor issuance of the Facility Acceptance shall constitute a waiver by DISTRICT of any claims it might have against DEVELOPER for any defects in the work performed, the materials provided, or the Facility constructed arising during the one year warranty period provided for under Paragraph 8 of this Agreement.

4. <u>Project Coordination and Designation of DEVELOPER's Representative.</u>

a. The DEVELOPER shall be solely responsible for coordinating the provision of all work, labor, material and services associated with the planning, design and construction of the water and sewer Facilities required for the DEVELOPER's Property. The DEVELOPER shall be solely responsible for compliance with all applicable federal, state and local safety rules and regulations, and shall conduct periodic safety conferences as required by law and common sense.

b. Prior to proceeding with any Facility construction, the DEVELOPER shall schedule and conduct a preconstruction conference with the DISTRICT's General Manager and the DISTRICT Engineer and/or their designees or agents. In the event the DEVELOPER fails or refuses to conduct any such conference, the DISTRICT may refuse, in its sole discretion, to accept the Facilities constructed by the DEVELOPER.

c. The DISTRICT and the DEVELOPER hereby designate the individual identified on page 1 of this Agreement as the person who shall have the authority to represent the DISTRICT and DEVELOPER in matters concerning this Agreement. In order to ensure maximum continuity and coordination, the DISTRICT and DEVELOPER agree not to arbitrarily remove or replace the authorized representative, but in the event of a substitution, the substituting Party shall promptly advise the other Party of such substitution, in writing.

5. <u>DISTRICT's Right to Complete Facilities</u>. The DISTRICT is hereby granted the unqualified right to complete, construct or repair all or any portion of the water and/or sewer Facilities, at DEVELOPER's sole cost and expense in the event there is a threat to the public's health, safety or welfare.

6. <u>Construction of Connections to DISTRICT Facilities</u>. Unless otherwise agreed to in writing by the DISTRICT, the DISTRICT shall furnish all labor, materials and equipment necessary to construct and install connections between the DEVELOPER's Facilities and the DISTRICT's water, recycled water, and sewer systems. All costs and expenses associated therewith shall be paid by the DEVELOPER.

7. <u>Compliance With Law and DISTRICT Regulations</u>. The DEVELOPER hereby agrees that all Facilities shall be planned, designed and constructed in accordance with all applicable laws, and the DISTRICT'S Rules, Regulations and Policies in effect at the time of construction. The DEVELOPER shall strictly comply with all applicable law, rules and regulations, concerning the provision of services, materials and the payment of wages. The DEVELOPER shall keep fully informed of and obey all laws, rules and regulations, and shall indemnify the DISTRICT against any liability arising from DEVELOPER's violation of any such law, rule or regulation.

8. <u>DEVELOPER's Warranties</u>. The DEVELOPER shall unconditionally guaranty, for a period of one year following the DISTRICT's Facility Acceptance thereof, any and all materials and workmanship, at the DEVELOPER's sole cost and expense. The provision of temporary water service through any of the DEVELOPER's Facilities, prior to DISTRICT's acceptance of same, shall not nullify nor diminish the DEVELOPER's warranty obligation, nor shall the DEVELOPER's warranty obligation be voided if the DISTRICT determines, in its sole discretion,

to make any emergency repairs necessary to protect the public's health, safety or welfare or to ensure continuity of water or sewer service. The DISTRICT shall notify DEVELOPER of such emergency repairs.

9. <u>Testing and Disinfection</u>. Upon approval by the DISTRICT, the DEVELOPER, at its sole cost and expense, shall undertake and satisfactorily complete a testing program, including without limitation, compaction, cleaning, video and air testing, and pressurized and disinfection testing, for all Facilities prior to acceptance by the DISTRICT, and to disinfect all water Facilities in accordance with the DISTRICT's procedures and other applicable laws, rules and regulations.

10. <u>Bond Requirements</u>. The DEVELOPER shall provide to the DISTRICT, in a form satisfactory to the DISTRICT, the following bonds:

a. <u>A Performance and Warranty Bond.</u> A performance bond issued by a corporate surety or sureties licensed and permitted to do business by and within the State of California in an amount representing not less than one hundred percent (100%) of any and all construction work to be conducted or performed under this Agreement. A warranty bond issued by a corporate surety or sureties licensed and permitted to do business by and within the State of California in an amount representing not less than fifty percent (50%) of the total cost of any and all construction performed hereunder, insuring against any and all defects in the Facilities constructed hereunder, for a period of not less than one full year after the date of acceptance thereof by the DISTRICT.

b. <u>A Labor and Materials Payment Bond</u> issued by a corporate surety or sureties licensed and permitted to do business by and within the State of California in an amount representing not less than one hundred percent (100%) of the total cost of any and all construction performed hereunder per California Civil Code Sections 9550 and following.

c. <u>Miscellaneous Bond Requirements</u>. All bonds required by this Section 10 shall be provided to the DISTRICT within sixty (60) days of the date that this Agreement was approved by the DISTRICT's Board of Directors. All bonds required by this section are subject to the approval as to form and content by the General Manager and DISTRICT's Legal Counsel. All bonds required by this section shall be provided by a surety that is an "admitted" surety insurer authorized to transact surety insurance in California, with assets exceeding its liabilities in the amount equal to or in excess of the amount of the bonds, and each bond shall not be in excess of ten percent (10%) of the surety insurer's assets. The bond shall be duly executed and shall meet all of the requirements of Section 995.660 of the Code of Civil Procedure.

PART C: TITLE TO FACILITIES; OPERATION

11. <u>Title to Facilities and Right-of-Way</u>.

a. Provided that the DEVELOPER's Facilities are designed and constructed as required hereunder and the DISTRICT proposes to issue its Facility Acceptance, the DEVELOPER shall, concurrently with the DISTRICT's Facility Acceptance, convey ownership title to all Facilities (and right-of-way, if applicable) to the DISTRICT, free and clear of any and

all liens and encumbrances except those that are expressly agreed to by the DISTRICT. The DISTRICT may require fee title or an easement, depending upon the location of the Facility through action by the Board of Directors. Upon conveyance of title, the DISTRICT shall assume the responsibility of operating and maintaining the Facilities, subject to the DEVELOPER's warranty as provided herein. The DEVELOPER acknowledges and agrees that the DISTRICT shall not be obligated to operate and maintain the Facilities and to provide service to and through them until all applicable conditions imposed by this Agreement hereunder are satisfied and title to the Facilities has been conveyed and delivered to the DISTRICT in recordable form.

b. A form for the *Grant of Easement and Rights-of-Way* and *Bill of Sale of the Facilities* is available from the District upon request.

12. <u>Risk of Loss</u>. Until such time as acceptance thereof by the DISTRICT, and until good and marketable title to the easements, rights-of-way and Facilities are conveyed and delivered to the DISTRICT in recordable form, the DEVELOPER shall be solely and completely responsible for any and all losses and/or damage of every kind or nature to the easements, rights-of-way and Facilities. In the event DEVELOPER believes the loss and/or damages arose from or are related to acts performed by the DISTRICT, this provision does not preclude DEVELOPER's insurance carrier from seeking indemnity and/or reimbursement from the DISTRICT.

13. <u>Conditions Precedent to the Provision of Water and Sewer Service</u>. Unless the DISTRICT otherwise agrees in writing, the DISTRICT shall not be obligated to provide any water and/or sewer service to the DEVELOPER's Property or any part thereof, including model homes, until Facility Acceptance by the DISTRICT and DEVELOPER conveys to the DISTRICT the right-of-way and Facilities associated with the requested service. Upon acceptance of the right-of-way and appurtenant Facilities, the DISTRICT shall provide the service requested and assume the responsibility for operating and maintaining the affected Facilities. Service provided by the DISTRICT shall be in accordance with its Rules, Regulations and Policies and shall be comparable in quality of service to that provide all similarly situated customers.

PART D: FEES AND CREDITS

14. <u>DEVELOPER's Fees, Charges, Costs and Expenses</u>. The DEVELOPER shall be solely responsible for the payment to the DISTRICT of all fees, charges, costs and expenses related to this development.

a. <u>DEVELOPER Cash Account Deposit</u>: The DEVELOPER shall deposit with the DISTRICT, to be held in a Cash Account administered by the DISTRICT, the sum of 10% of the construction costs as an initial deposit within 10 business days following the DISTRICT's approval of this Agreement. The DEVELOPER acknowledges and hereby agrees that the DISTRICT is authorized, from time-to-time, to reimburse itself from the funds on deposit. The District shall provide a monthly accounting of how funds were disbursed. The DEVELOPER further agrees to periodically replenish within 30 calendar days upon the date an invoice is issued by the DISTRICT, the Cash Account in order to maintain a minimum amount as specified by the DISTRICT. The DISTRICT will not release any buildings for occupancy unless there is a balance

of at least \$1,000 in the Cash Account. Should any unexpended funds remain in the Cash Account upon termination of this Agreement, then such funds shall be reimbursed to the DEVELOPER within 90 days.

b. <u>Current Fees and Charges</u>: In the event of a change in the DISTRICT's schedule of fees and charges as stated in DISTRICT's existing Resolution 07-2007 adopted on March 8, 2007, such change shall automatically be incorporated into this Agreement as though set forth in full. Unless otherwise agreed to in writing by the DISTRICT, the DEVELOPER shall pay, when due, the then-current amount of the applicable fee or charge.

i. The DEVELOPER shall pay for the purchase of a quantity of imported water pursuant to the Sustainability Policy adopted by the Board of Directors as a Resolution No. 11-2008 on August 20, 2008. The imported water rate shall be the rate in effect at the time water is secured from the San Gorgonio Pass Water Agency. Imported water for compliance with the Yucaipa Valley Water District's Sustainability Policy may be pre-paid to lock in the Development Sustainability fee or purchased prior to the issuance of building permits and pay the fee in effect at that time.

15. <u>DISTRICT Financial Participation; Credits</u>. The DISTRICT may agree to participate in certain facilities for this Project. Any participation or financial contribution to construct the water and wastewater infrastructure associated with this project is contained in Part G - Special Conditions of this Agreement.

PART E: PERMITS AND DOCUMENTATION

16. <u>Permits, Licenses and CEQA Documentation</u>. The DEVELOPER shall be solely responsible for securing and paying for all permits and licenses necessary to develop its project. The DEVELOPER shall be solely responsible for complying with the California Environmental Quality Act under the auspices of the City and/or County within which the Property is situated. However, upon request, the DEVELOPER shall furnish to the DISTRICT all relevant environmental documentation and information. The DEVELOPER, at its sole cost and expense, shall be solely responsible for defending against any and all legal challenges to the DEVELOPERS entitlements including permits, licenses and CEQA documents.

17. <u>Documents Furnished by the DEVELOPER</u>. The DEVELOPER shall furnish to the DISTRICT project documentation as required by the District specified below, within the time periods specified. Each and every document submittal shall consist of a fully executed original or certified copy (in recordable form, if applicable) and four copies.

Document(s)	Due Date
Certification of Streets to Rough Grade	Prior to Construction
Field Engineering Surveys ("Cut Sheets")	Prior to Construction
Liability Insurance Certificate(s)	Prior to Construction
Performance Bond	Prior to Construction
Labor and Materials Bond	Prior to Construction
City/County Encroachment Permits and Conditions	Prior to Construction

Soil Compaction Tests	Prior to Acceptance
Grant of Easements and Rights-of-Way	Prior to Acceptance
Warranty Bond	Prior to Acceptance and
	Recording
Bill of Sale	Prior to Acceptance
List of Approved Street Addresses and Assessor Parcel Numbers	Prior to Setting Meter
Notice of High/Low Water Pressure	Prior to Setting Meter
Notice of Water Pumping Facility NOT APPLICABLE	Prior to Construction
Mechanic's Lien Releases	Upon Request of District

NOTE: The DEVELOPER hereby acknowledges and agrees that the foregoing list is not intended to be exclusive; therefore, the DISTRICT reserves the right to request, from time-to-time, additional documents or documentation.

PART F: INSURANCE AND INDEMNIFICATION

18. Indemnification and Hold Harmless. The DEVELOPER and the DISTRICT agree that the DISTRICT should, to the extent permitted by law, be fully protected from any loss, injury, damage, claim, lawsuit, cost, expense, attorneys' fees, litigation costs, defense costs, court costs or any other costs arising out of or in any way related to the performance by DEVELOPER of this Agreement. Accordingly, the provisions of this indemnity provision are intended by the Parties to be interpreted and construed to provide the fullest protection possible under the law to the DISTRICT, except for liability attributable to the DISTRICT's intentional and/or negligent acts. DEVELOPER acknowledges that the DISTRICT would not enter into this Agreement in the absence of this commitment from the DEVELOPER to indemnify and protect the DISTRICT as set forth here.

Therefore, the DEVELOPER shall defend, indemnify and hold harmless the DISTRICT, its employees, agents and officials, from any liability, claims, suits, actions, arbitration proceedings, administrative proceedings, regulatory proceedings, losses, expenses or costs of any kind, whether actual, alleged or threatened, actual attorneys' fees incurred by the DISTRICT, court costs, interest, defense costs including expert witness fees and any other costs or expenses of any kind whatsoever without restriction or limitation incurred in relation to, as a consequence of or arising out of or in any way attributable actually, allegedly or impliedly, in whole or in part in the performance by DEVELOPER of this Agreement. All obligations under this provision are to be paid by the DEVELOPER as incurred by the DISTRICT. Notwithstanding the foregoing, the DEVELOPER shall have no obligation to defend, indemnify or hold harmless the DISTRICT, its employees, agents or officials from any liability arising, in whole or in part, from the DISTRICT. S intentional and/or negligent acts.

19. <u>Insurance</u>. The DEVELOPER agrees to provide insurance in accordance with the requirements set forth here throughout the term of this Agreement. If the DEVELOPER uses existing coverage to comply with these requirements and that coverage does not meet the requirements set forth herein, the DEVELOPER agrees to amend, supplement or endorse the existing coverage to do so. The following coverages will be provided by the DEVELOPER and maintained on behalf of the DISTRICT and in accordance with the requirements set forth herein.

a. <u>Commercial General Liability Insurance (Primary)</u> shall be provided on ISO-CGL Form No. CG 00 01 10 93. Policy limits shall be no less than \$1,000,000 per occurrence for all coverages and \$2,000,000 general aggregate. The DISTRICT and its officials, employees and agents shall be added as additional insureds using ISO Form CG 20 10 10 93. Coverage shall apply on a primary non-contributing basis in relation to any other insurance or self-insurance, primary or excess, available to the DISTRICT or any employee or agent of the DISTRICT. Coverage shall not be limited to the vicarious liability or supervisory role of any additional insured. Coverage shall contain no contractors' limitation endorsement. There shall be no endorsement or modification limiting the scope of coverage for liability arising from explosion, collapse, or underground property damage.

b. <u>Umbrella Liability Insurance (over Primary)</u> shall apply to bodily injury/property damage, personal injury/advertising injury, at a minimum, and shall include a "drop down" provision providing primary coverage above a maximum \$25,000 self-insured retention for liability not covered by primary policies but covered by the umbrella policy. Coverage shall be following form to any underlying coverage. Coverage shall be provided on a "pay on behalf" basis, with defense costs payable in addition to policy limits. There shall be no cross-liability exclusion and no contractor's limitation endorsement. Policy limits shall be not less than \$1,000,000 per occurrence and \$1,000,000 in the aggregate, above any limits required in the underlying policies. The policy shall have starting and ending dates concurrent with the underlying coverages.

c. <u>Workers' Compensation/Employer's Liability</u> shall provide workers' compensation statutory benefits as required by law. Employer's liability limits shall be no less than \$1,000,000 per accident or disease. Employer's liability coverage shall be scheduled under any umbrella policy described above. Unless otherwise agreed, this policy shall be endorsed to waive any right of subrogation as respects the DISTRICT, its employees or agents.

d. The DEVELOPER and the DISTRICT further agree as follows:

i. All insurance coverage provided pursuant to this Agreement shall not prohibit the DEVELOPER, and the DEVELOPER's employees or agents, from waiving the right of subrogation prior to a loss. The DEVELOPER waives its right of subrogation against the DISTRICT.

ii. Unless otherwise approved by the DISTRICT in writing, the DEVELOPER's insurance shall be written by insurers authorized to do business in the State of California and with a minimum "Best's" Insurance Guide rating of "A:VII". Self-insurance will not be considered to comply with these insurance specifications.

iii. The DEVELOPER agrees to provide evidence of the insurance required herein, satisfactory to the DISTRICT, consisting of certificate(s) of insurance evidencing all of the coverages required and an additional insured endorsement to the DEVELOPER's general liability and umbrella liability policies. Certificate(s) are to reflect that the insurer will provide 30 days' notice of any cancellation of coverage. The DEVELOPER agrees to require its insurer to modify such certificate(s) to delete any exculpatory wording stating that failure of the insurer to mail written notice of cancellation imposes no obligation, and to delete the word "endeavor" with regard to any notice provisions. The DEVELOPER agrees to provide complete certified copies of policies to the DISTRICT within 10 days of the DISTRICT's request for such copies.

iv. In the event of any loss that is not insured due to the failure of the DEVELOPER to comply with these requirements, the DEVELOPER agrees to be responsible for any all losses, claims, suits, damages, defense obligations and liability of any kind attributed to the DISTRICT, or the DISTRICT's officials, employees and agents as a result of such failure.

v. The DEVELOPER agrees not to attempt to avoid its defense and indemnity obligations to the DISTRICT and its employees, agents and officials by using as defense the DEVELOPER's statutory immunity under workers' compensation and similar statutes.

PART G: SPECIAL CONDITIONS

20. The following conditions, being contained herein, will be required by the District in order to receive water, recycled water and sewer service for the Project.

a. <u>Potable Water Related Facilities</u>: This project is within the South Mesa Water Company service boundary. This project will not be required to construct potable water facilities for the Yucaipa Valley Water District.

b. <u>Recycled Water Related Facilities</u>: This project is within the South Mesa Water Company service boundary. This project will not be required to construct recycled water facilities for the Yucaipa Valley Water District.

c. <u>Wastewater Related Facilities</u>: The DEVELOPER shall bring the existing DISTRICT A.D.-11 Easement 14-P up to current DISTRICT standards of 20-feet in width and provide an all-weather drivable surface over the existing sewer mainline along the western property line of Tract Map 36818. The DEVELOPER shall also construct a new sewer mainline into and through Tract Map 36818 sufficient to serve the proposed project from the existing DISTRICT sewer system from DISTRICT A.D.-11 Easement 14-P. The DEVELOPER shall also provide new sewer easements as necessary for service.

i. The DEVELOPER shall provide adequate vehicular access across each new parcel, including the north and south property lines of Tract Map 36818, proposed along DISTRICT A.D.-11 Easement 14-P.

ii. The DEVELOPER shall provide either a removable panel or lockable gate for access at each proposed parcel line across DISTRICT A.D.-11 Easement 14-P, to provide for adequate access of DISTRICT vehicles and equipment.

iii. The DEVELOPER shall construct new sewer laterals for Lots 1, 2 and 3 off of the existing public sewer main within Buena Vista Court to provide for sewer service. The DEVELOPER shall also construct new sewer laterals for Lots 14, 15 and 16 off of the existing public

sewer main within 4th Street to provide for sewer service.

iv. The DISTRICT has identified sewer mainline deficiencies downstream of the Project in the City of Calimesa. To secure the appropriate funding for the upgrade of these sewer mainline facilities, the DEVELOPER shall pay to the DISTRICT a fee of \$1,500 per Equivalent Dwelling Unit for the construction of upgraded sewer mainline facilities. This fee shall be paid prior to the issuance of building permits.

d. <u>Previously Constructed Facilities</u>: The DEVELOPER shall protect the existing sewer mainline in place at all times. If, at any time, there is an actual or potential conflict with the proposed development of Tract Map 36818, including but not limited to site drainage and storm water flow control, the DEVELOPER shall be required to show and provide adequate protection or adjustment of the existing sewer facilities to be approved by the DISTRICT prior to construction of the proposed remediation.

e. The DISTRICT shall require all outstanding invoices related to the Project to be paid prior to releasing each lot for occupancy.

PART H: MISCELLANEOUS

21. Term and Termination of Agreement.

a. Unless extended by mutual agreement of the parties in writing, this Agreement shall terminate at 5:00 p.m., on the day before the sixth (6^{th}) anniversary date of this Agreement; provided, however, that this Agreement shall automatically terminate, without further liability to either party, as follows:

i. Within 10 business days of the effective date of this Agreement if the DEVELOPER fails or refuses to make the Cash Account deposit, or if the Cash Account is not replenished to a positive balance after the issuance of an invoice by the DISTRICT for a period of 75 calendar days; or

ii. Within 12 months of the effective date of this Agreement, if the initial construction contemplated hereunder has not commenced within such time; or

iii. Immediately, upon abandonment by the DEVELOPER of the DEVELOPER's Property and/or the work hereunder. "Abandonment" is defined as the act of bankruptcy or to fail to improve the Property in a manner consistent with the proposed development plan; and/or

iv. Within 45 days of the date of the issuance of a Notice of Default by the DISTRICT to the DEVELOPER in the event the DEVELOPER fails or refuses to perform, keep or observe any of the terms, conditions or covenants set forth in this Agreement.

b. Any termination of this Agreement shall not be construed as a waiver of any claim the DISTRICT may have against the DEVELOPER or that the DEVELOPER may have against the DISTRICT.

c. In the event of termination, and in order to counteract any threat to the public's health, safety or welfare, the DISTRICT shall have the right, without liability to complete, at the DEVELOPER's non-reimbursable expense, all or a portion of the Facilities constructed pursuant to this Agreement on the condition that a claim has been made against the performance bond issued by the DEVELOPER for this Property.

d. Notwithstanding the foregoing, the Indemnification clauses contained herein shall survive the termination of this Agreement.

22. <u>Status of the Parties</u>. This Agreement is not intended to create, and nothing herein contained shall be construed to create, an association, a trust, a joint venture, a partnership or other entity of any kind, or to constitute either party as the agent, employee or partner of the other.

23. Amendment; Assignment.

a. <u>Amendment</u>. This Agreement may be amended, from time-to-time, by mutual agreement of the DISTRICT and the DEVELOPER, in writing signed by both Parties. The DISTRICT and the DEVELOPER further agree that to the extent this Agreement does not address all aspects of the DEVELOPER's Property, the Parties shall meet and confer and negotiate in good faith, and execute a written amendment or supplement to this Agreement.

b. <u>Assignment</u>. This Agreement shall not be assigned, whether in whole or in part.

24. <u>Force Majeure</u>. If either the DISTRICT or the DEVELOPER is delayed, hindered or prevented from performing any term of this Agreement by any cause beyond either party's control including, without limitation, any strike, walkout, prohibitions imposed by law, rules or regulations, riot, war, act of God or the default of the other party, then such performance may be excused or the time of performance tolled during the period of delay.

25. <u>Incorporation of Prior Agreements</u>. This Agreement contains all of the agreements of the parties with respect to any matter covered or mentioned in this Agreement, and no prior agreement or understanding pertaining to any such matter shall be effective for any purpose.

26. <u>Waiver</u>. No waiver by either Party of any provisions of this Agreement shall be deemed to be a waiver of any other provision hereof or of any subsequent breach by either Party of the same or any other provisions.

27. <u>Severance</u>. If any provision of this Agreement is determined to be void by any court of competent jurisdiction then such determination shall not affect any other provision of this Agreement provided that the purpose of this Agreement is not frustrated.

28. <u>DISTRICT's Disclaimer</u>. Utilizing fees and Facilities provided to the DISTRICT by the DEVELOPER, the DISTRICT will supply potable water, recycled (non-potable) water, and wastewater collection and treatment services to the DEVELOPER's Property and development thereon. However, the DISTRICT shall not be obligated to utilize public funds to subsidize the DEVELOPER's Project. The DISTRICT shall not be required to authorize the issuance of grading, building or occupancy permits during the period of time that the Board of Directors have declared a 20% reduction or greater of overall water use for a portion or all of the DISTRICT's service area. The DISTRICT agrees, however, to make every effort to minimize drought impacts.

29. <u>Preparation of This Agreement</u>. This Agreement shall not be construed against the Party preparing it, but shall be construed as if both Parties prepared it.

30. <u>Alternative Dispute Resolution</u>.

a. Any dispute as to the construction, interpretation or implementation of this Agreement, or any rights or obligations hereunder, shall be submitted to mediation. Unless the Parties enter into a written stipulation to the contrary, prior to the filing of any complaint to initiate legal action, all disputes shall first be submitted to non-binding mediation, conducted by the Judicial Arbitration and Mediation Services, Inc./Endispute, or its successor, or any other neutral, impartial mediation service that the Parties mutually agree upon in accordance with its rules for such mediation. Mediation fees shall be shared equally by the DEVELOPER and the DISTRICT.

IN WITNESS WHEREOF, the parties have executed is Agreement to be effective on the day and year first above written.

YUCAIPA VALLEY WATER DISTRICT

Dated:

By: ______Lonni Granlund, Board President

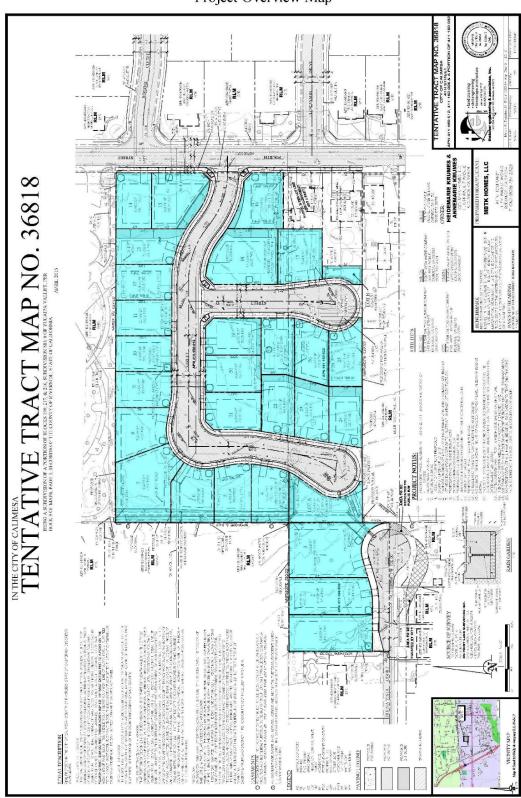
Ву:_____

DEVELOPER:

Dated:

Print Name

Print Title



Attachment A -Project Overview Map-

Administrative Issues



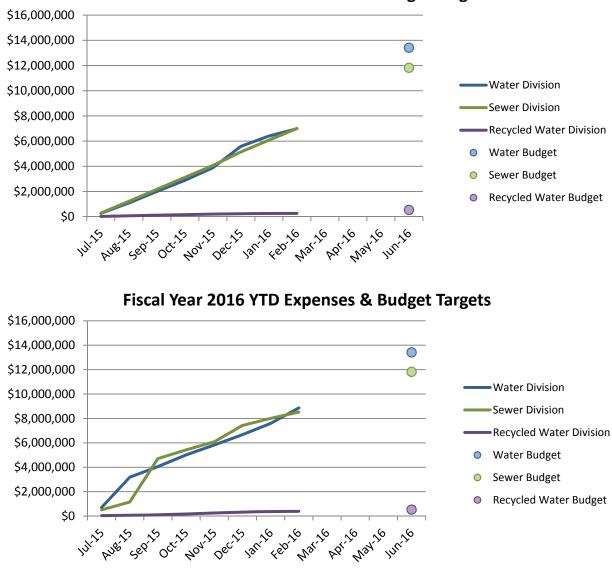
Yucaipa Valley Water District - March 8, 2016 - Page 194 of 235



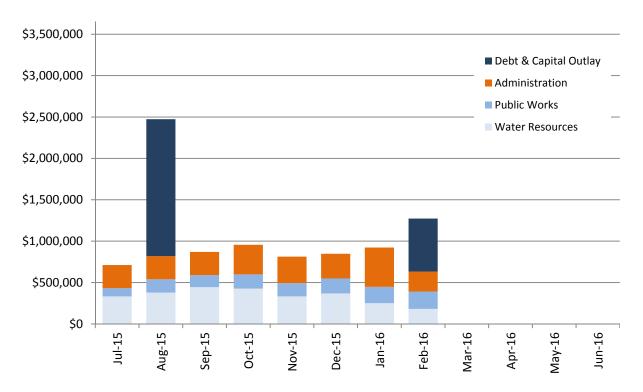
Date: March 8, 2016

Subject: Review of the Unaudited Financial Report for the Period Ending on February 29, 2016

The District staff has prepared the attached Unaudited Financial Report for the period ending on December 31, 2015. A graphical summary of the current operating budget is provided below and detailed information follows as part of the monthly unaudited financial report.

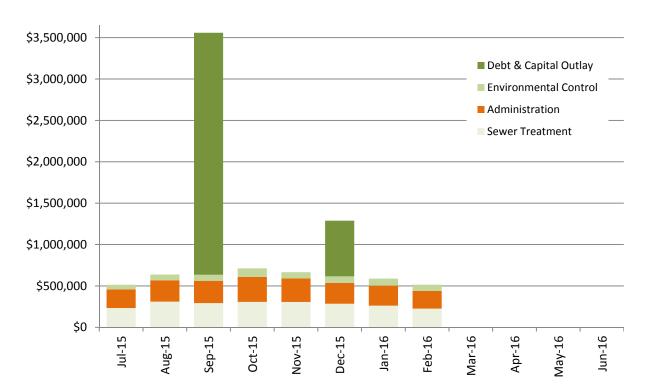


Fiscal Year 2016 YTD Revenues & Budget Targets



Water Division Monthly Expense Summary - FY 2016

Sewer Division Monthly Expense Summary - FY 2016





Director Memorandum 16-xxx

Date:	March 16, 2016
Prepared By:	Vicky Elisalda, Controller Peggy Little, Administrative Supervisor
Subject:	Unaudited Financial Report for the Period Ending on February 29, 2016
Recommendatio	on: That the Board receives and files the unaudited financial report as presented.

The following unaudited financial report has been prepared by the Administrative Department for your review. The report has been divided into six sections to clearly disseminate information pertaining to the financial status of the District. Please remember that the following financial information has not been audited.

Cash Fund Balance Report

[Detailed information can be found on page 5 to 6 of 29]

The Cash Fund Balance Report provides a summary of how the total amount of funds maintained by financial institutions is distributed throughout the enterprise and non-enterprise funds of the District. A summary of the report is as follows:

	Operating	Restricted	Total
Fund Source	Funds	Funds	Funds
Water Division	\$6,612,801.05	\$1,469,392.56	\$8,082,193.61
Sewer Division	\$12,559,934.45	(\$5,194,202.61)	\$7,365,731.84
Recycled Water Division	<u>\$2,554,182.07</u>	<u>\$318,632.32</u>	<u>\$2,872,814.39</u>
Total	\$21,726,917.57	(\$3,406,177.73)	\$18,320,739.84

Most of the funds reflected in the Cash Fund Balance Report are designated for specific purposes and are therefore restricted, either by law or by District policy.

Check Register

[Detailed information can be found on pages 7 to 11 of 29]

The check register lists each check processed during the month of February 2016. The District processed 217 checks during the month of February for a total sum of \$2,008,111.02. All checks are reviewed by District staff for accuracy and completeness, and usually signed by the General Manager and one Director, but may be signed by two Directors.

The Controller will make any check, invoice or supporting documentation available for review to any board member upon request.

Financial Account Information

[Detailed information can be found on pages 12 to 15 of 29]

The District currently deposits all revenue received into the Deposit Checking account. The General Checking account is used as a sole processing account for all District checks and electronic payroll. The Investment Checking account is used for the purchase and redemption of US treasury notes and bills and for the transfer of LAIF funds. The US treasury notes and bills are booked at cost.

The LAIF investment account is a pooled money account administered by the State of California. Additional information on the LAIF account is provided below in the investment summary report.

Investment Summary

[Detailed information can be found on pages 16 to 17 of 29]

The investment summary report illustrates the District's investments in US treasury notes and bills in addition to the investments held by the Local Agency Investment Fund or LAIF. The yields for the treasury notes and bills are provided for each individual transaction. The historical annual yield for funds invested with LAIF is also provided.

Separate pooled money investment reports prepared by the State of California are maintained by the District and available for review.

Monthly Revenue Allocation

[Detailed information can be found on pages 18 to 19 of 29]

During the month of February 2016 the District's deposit checking account received a sum total of \$1,878,203.90 in revenues from the following categories:

- A total of \$1,431,616.82 was received from 14,491 customers for utility bill payments. This is the total amount of utility bill payments received from water, sewer and recycled services.
- A total of \$1,927.75 was received for construction meter deposits, customer deposits and internet fee payments.
- A total of \$304,722.33 was received from miscellaneous water related activities (other than utility bill charges).
- A total of \$139,937.00 was received from miscellaneous sewer related activities (other than utility bill charges).
- A total of \$0.00 was received from miscellaneous recycled related activities (other than utility bill charges).
- The District's general checking account (pages 12 & 14 of 30) received one ACH deposit for San Bernardino Property Taxes in the amount of \$59,877.15. The District has received \$1,668,861.71 (59%) of the allocated \$2,843,308.96 property taxes for FY 2016.

Fiscal Year 2016 Budget Status

[Detailed information can be found on pages 20 to 29 of 29]

The revenue and expense budget status for the 2016 Fiscal Year is provided for your review.

<u>Division</u>	Budget Amount	Current Month	Year-To-Date	Percentage
Water	13,412,500	578,901	6,983,072	52.06%
Sewer	11,820,000	927,015	7,007,131	59.28%
Recycled Water	537,250	9,026	260,191	48.43%
District Revenue	25,769,750	1,514,942	14,250,394	55.30%

Summary of Revenue Budget As of February 29, 2016 (62% of Budget Cycle)

Summary of Water Budget As of February 29, 2016 (62% of Budget Cycle)

<u>Department</u>	Budget Amount	Current Month	Year-To-Date	Percentage
Water Resources	5,050,200	181,302	2,714,462	53.75%
Public works	2,385,800	209,851	1,325,764	55.57%
Administration	3,682,486	241,110	2,532,535	68.77%
Long Term Debt	2,294,014	640,556	2,294,014	100.00%
Asset Acquisition	0	0	0	0.00%
TOTAL	13,412,500	1,272,819	8,866,775	66.11%

Summary of Sewer Budget As of February 29, 2016 (62% of Budget Cycle)

<u>Department</u>	Budget Amount	Current Month	Year-To-Date	Percentage
Treatment	3,789,816	226,491	2,223,517	58.67%
Administration	3,151,840	212,731	2,044,181	64.86%
Environmental Control	982,300	75,834	617,947	62.91%
Long Term Debt	3,896,044	649,274	3,572,942	91.71%
Asset Acquisition-Palmer	0	0	66,409	0.00%
TOTAL	11,820,000	1,164,330	8,524,996	72.12%

Summary of Recycled Water Budget As of February 29, 2016 (62% of Budget Cycle)

<u>Department</u>	Budget Amount	Current Month	Year-To-Date	Percentage
Administration	537,250	24,215	397,069	73.91%
TOTAL	537,250	28,006	198,923	37.03%
District Expenses	25,769,750	2,465,155	17,590,694	68.26%

Investment Policy Disclosure

The District is currently compliant with the portfolio of its Investment Policy and State Law.

The District is using Sandy Gage with Merrill Lynch Wealth Management (Bank of America Corporation) for Treasury investments. The District expects to meet its expenditure requirements for the next six months.

Questions or Comments

If you have any questions about a particular budget account, please do not hesitate to contact the Controller directly. If you need additional information, the members of the Administrative Department would be happy to provide you with any detailed information you may desire.

Cash Fund Balance Report - February 2016

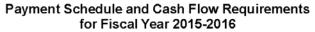
Water Division	GL#	Balance
*ID 1 Construction Funds	02-10216 \$	293,145.85
*ID 2 Construction Funds	02-10217 \$	
*FCC - Debt Service YVRWFF Phase I	02-10401	6 (161,207.64)
*FCC - Future YVRWFF Phase II & III	02-10403 \$	320,667.50
*FCC - Recycled System	02-10410	(1,018,372.58)
*FCC - Booster Pumping Plants	02-10411 \$	524,457.67
*FCC - Pipeline Facilities	02-10412	
*FCC - Water Storage Reservoirs	02-10413 \$	
Depreciation Reserves	02-10310 \$	
Infrastructure Reserves	02-10311 \$	
Sustainability Fund	02-10313 \$	
Rate Stabilization Fund	02-10314 \$	
Imported Water Fund - MUNI		\$ (426,582.27)
Imported Water Fund - SGPWA	02-10316 \$	
Operating Funds:		
	Total Water Division \$	8,082,193.61
Sewer Division	GL#	Balance
*SRF Reserve Fund - Brineline	03-10218 \$	
*SRF Reserve Fund - WISE	03-10219 \$,
*SRF Reserve Fund - R 10.3	03-10220 \$	
*SRF Reserve Fund - Crow St	03-10221	
*FCC - Debt Service WWTP Expansion & Upgrade	03-10405 \$	
*FCC - Future WWTP Expansion	03-10407 \$	
*FCC - Sewer Interceptors	03-10415	
*FCC - Lift Stations	03-10416 \$	
*FCC - Effluent Disposal Facilities	03-10417	,
*FCC - Salt Mitigation Facilities	03-10418	
Project Fund - Encumbered	03-10215 \$	
Depreciation Reserves	03-10310 \$,
Infrastructure Reserves	03-10311 \$	
Rate Stabilization Fund	03-10314 \$	
Operating Funds:	9	
	Total Wastewater Division 💲	7,365,731.84
Recycled Water Division	GL#	Balance
*FCC - Recycled System	04-10410 \$	
*FCC - Booster Pumping Plants	04-10411 \$	
*FCC - Pipeline Facilities	04-10412 \$,
*FCC - Water Storage Reservoirs	04-10413 \$	
Project Fund - Encumbered	04-10215 \$	
Depreciation Reserves	04-10210 \$	
Infrastructure Reserves	04-10311 \$,
Operating Funds:	54-10511 3	
	Total Recycled Water Division \$	

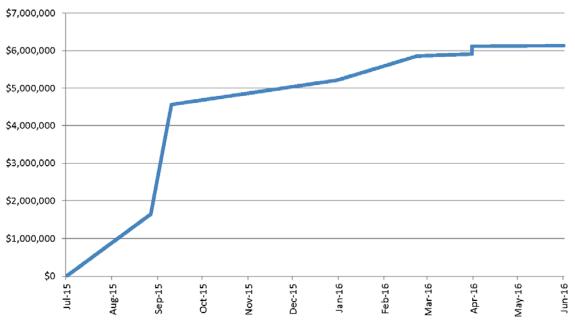
DISTRICT TOTAL \$18,320,739.84

*=Restricted Funds

Cash Fund Balance Report - February 2016

Pending Financial Obligations for Fiscal Year 2015/16					
			Term of		
Due Date	Fund	Description	Obligation		Amount
08/27/2015	Water	2015A Bond Payment - YVRWFF	2015-2034	\$	1,646,177.19
09/10/2015	Sewer	SRF Payment - WRWRF	2009-2028	\$	2,923,688.75
12/31/2015	Sewer	SRF Payment - Yucaipa Regional Brineline	2013-2032	\$	649,273.50
02/23/2016	Water	2015A Bond Payment - YVRWFF	2015-2034	\$	640,556.25
03/31/2016	Sewer	SRF Payment - Recycled Reservoir R-10.3	2014-2033	\$	54,277.31
03/31/2016	Sewer	SRF Payment - Desalinization at WRWRF	2014-2033	\$	185,251.30
03/31/2016	Sewer	SRF Payment - Crow Street/Recycled Booster B-12.1	2016-2035	\$	19,254.37
06/01/2016	Sewer	SBVMWD - Inland Empire Brineline Payment	2013-2016	\$	20,000.00
			Total	\$	6,138,478.67





Check Date	Check Number	<u>Name</u>	Check Amount
02/01/2016	25248	ADS, LLC	3,951.00
02/01/2016	25249	Ameripride Uniform Services	492.68
02/01/2016	25250	Redlands Employment Services	758.72
02/01/2016	25251	Bay Alarm Company	1,602.23
02/01/2016	25252	Fedex	52.08
02/01/2016	25253	Raiset R. Santana and Adriana	77.00
02/01/2016	25254	Kelly Services, Inc.	1,069.20
02/01/2016	25255	Konica Minolta Business Soluti	1,204.01
02/01/2016	25256	Krieger & Stewart	84,736.78
02/01/2016	25257	Leroy's Landscape Services	2,955.00
02/01/2016	25258	U.S. Telepacific Corp	3,878.87
02/01/2016	25259	Verizon	145.06
02/01/2016	25260	Anthony Joseph Sobral	26.74
02/01/2016	25261	Calolympic Glove & Safety Co.,	488.12
02/01/2016	25262	Cemex Inc. USA	1,295.46
02/01/2016	25263	Fastenal Company	129.57
02/01/2016	25264	Grainger	2,597.62
02/01/2016	25265	Hach Company	441.29
02/01/2016	25266	Jerry Herbert Roofing Inc.	200.00
02/01/2016	25267	Inland Water Works Supply Co.	3,572.00
02/01/2016	25268	Innerline Engineering	1,750.00
02/01/2016	25269	JB Paving & Engineering, Inc.	25,052.25
02/01/2016	25270	Nuckles Oil Company, Inc.	1,446.40
02/01/2016	25271	Microflex Corp #774353	1,333.59
02/01/2016	25272	Nagem, Inc.	112.50
02/01/2016	25273	Office Solutions Business Prod	298.80
02/01/2016	25274	The Sherwin-Williams Co.	264.55
02/01/2016	25275	Smart & Final Stores, LLC	220.69
02/05/2016	25276	BLACK, ERICA	8.86
02/05/2016	25277	BAI, XUE	70.25
02/05/2016	25278	PAYROLL CHECK	2,046.24
02/05/2016	25279	PAYROLL CHECK	319.93
02/05/2016	25280	CA-PERS Supplemental Income 45	21,651.38
02/05/2016	25281	WageWorks, Inc.	1,462.27
02/05/2016	25282	Public Employees' Retirement S	22,515.84
02/05/2016	25283	Hong Nelson	125.00
02/05/2016	25284	IBEW Local 1436	252.00
02/05/2016	25285	California State Disbursement	115.38
02/05/2016	25286	California State Disbursement	476.30
02/05/2016	25287	Department of the Treasury - I	125.00
02/05/2016	25288	American Family Life Assurance	2,505.43
02/05/2016	25289	Rodd Greene	601.00
02/05/2016	25290	Robert Hines	601.00
02/05/2016	25291	Aetna Health of California	60,229.00
02/08/2016	25292	GENARO, FRANK	413.72
02/08/2016	25293	MURALI GOPAL INVESTM	156.71
02/08/2016	25294	AWWA CA-NV (Rancho Cucamonga)	55.00

Check Date	<u>Check Number</u>	Name	<u>Check Amount</u>
02/08/2016	25295	California Water Environment A	164.00
02/08/2016	25296	Incode Division-Tyler Technolo	3,333.00
02/08/2016	25297	Dept of Consumer Affairs	115.00
02/08/2016	25298	Ameripride Uniform Services	482.23
02/08/2016	25299	Redlands Employment Services	948.40
02/08/2016	25300	Beaumont Basin Watermaster	20,170.00
02/08/2016	25301	Central Communications	327.11
02/08/2016	25302	Charles Wayne Hippenstiel	3,300.00
02/08/2016	25303	Cobb's Printing, LLC	42.93
02/08/2016	25304	Corelogic, Inc.	330.00
02/08/2016	25305	Coverall North America, Inc.	1,021.00
02/08/2016	25306	First American Data Tree, LLC	50.00
02/08/2016	25307	InfoSend, Inc.	5,317.75
02/08/2016	25308	Kelly Services, Inc.	855.36
02/08/2016	25309	NetComp Technologies,Inc.	1,400.00
02/08/2016	25310	Oily's Automotive Service & Re	30.00
02/08/2016	25311	Praxair Inc.	26.32
02/08/2016	25312	Pro-Pipe & Supply, Inc.	64.61
02/08/2016	25313	SCCI, Inc.	350.00
02/08/2016	25314	Separation Processes, Inc.	1,112.00
02/08/2016	25315	Association of San Bernardino	63.00
02/08/2016	25316	The Gas Company	2,185.87
02/08/2016	25317	Underground Service Alert Of S	216.00
02/08/2016	25318	Wells Fargo Bank-Corporate Tru	628,836.60
02/08/2016	25319	Yucaipa Auto Collision, LLC	753.10
02/08/2016	25320	Ampak Chemicals, Inc.	4,001.40
02/08/2016	25321	Brenntag Pacific, Inc	7,324.34
02/08/2016	25322	Victor James Valenti	4,043.80
02/08/2016	25323	Crown Ace Hardware - Yucaipa	2,711.16
02/08/2016	25324	Jan Brinkman Jr.	1,317.20
02/08/2016	25325	Dickson	328.00
02/08/2016	25326	Eurofins Eaton Analytical, Inc	1,300.00
02/08/2016	25327	Evans-Hydro Inc.	15,482.16
02/08/2016	25328	Evoqua Water Technologies LLC	248.92
02/08/2016	25329	G&G Environmental Compliance,I	3,140.06
02/08/2016	25330	Gonzales Environmental Consult	20,033.93
02/08/2016	25331	Grainger	1,248.71
02/08/2016	25332	Hach Company	544.22
02/08/2016	25333	House Of Quality, Parts Plus	2,205.70
02/08/2016	25334	Inland Water Works Supply Co.	5,048.55
02/08/2016	25335	Innerline Engineering	3,500.00
02/08/2016	25336	Johnson Power Systems	712.65
02/08/2016	25337	Main's Lock Supply Inc.	16.20
02/08/2016	25338	Nagem, Inc.	2,812.96
02/08/2016	25339	NCL Of Wisconsin Inc	290.11
02/08/2016	25340	Office Solutions Business Prod	40.73
02/08/2016	25341	Red Alert Special Couriers	714.44

Check Date	<u>Check Number</u>	Name	Check Amount
02/08/2016	25342	Laura Valdivieso	135.00
02/08/2016	25343	Sterling Water Technologies LL	17,568.46
02/08/2016	25344	UPS Store#1504/ Mail Boxes Etc	64.54
02/08/2016	25345	Calmat Company	2,474.97
02/08/2016	25346	YSI Incorporated	139.41
02/08/2016	25347	ZEP Manufacturing Company	126.86
02/08/2016	25348	Boot Barn #4	200.00
02/08/2016	25349	CWEA/SSCSC	45.00
02/08/2016	25350	East Valley Water District	300.00
02/08/2016	25351	YVWD-Petty Cash	360.96
02/08/2016	25352	Gregory N. Godwin	194.19
02/08/2016	25353	Standard Insurance Company	3,185.48
02/08/2016	25354	Bob Wall	147.04
02/08/2016	25355	Western Dental Services, Inc.	302.27
02/08/2016	25356	Cypress Insurance Company	1,445.00
02/08/2016	25357	Anthem Blue Cross L and H	379.90
02/08/2016	25358	Standard Insurance Company	3,169.57
02/08/2016	25359	Standard Insurance Vision Plan	672.56
02/08/2016	25360	MetLife Small Business Center	586.82
02/08/2016	25361	Courtyard Santa Rosa	376.84
02/08/2016	25362	Courtyard Santa Rosa	376.84
02/08/2016	25363	WageWorks, Inc.	191.75
02/16/2016	25364	Aklufi & Wysocki	5,062.50
02/16/2016	25365	Citizens Business Bank	6,875.00
02/16/2016	25366	DDB Engineering Inc.	4,509.12
02/16/2016	25367	Delta Partners, LLC	7,500.00
02/16/2016	25368	Dudek & Associates, Inc	6,504.95
02/16/2016	25369	Harper & Associates Eng., Inc.	5,757.50
02/16/2016	25370	Krieger & Stewart	21,924.15
02/16/2016	25371	One Stop Landscape Supply Inc	25,486.50
02/16/2016	25372	Pacific Hydrotech Corporation	356,915.00
02/16/2016	25373	Pascal & Ludwig Constructors I	130,625.00
02/16/2016	25374	Platinum Advisors, LLC	5,000.00
02/16/2016	25375	RMC Water and Environment	39,104.44
02/16/2016	25376	Separation Processes, Inc.	13,870.25
02/16/2016	25377	Skydrop Holdings, LLC	113,400.00
02/16/2016	25378	Hadronex, Inc.	42,952.12
02/16/2016	25379	VOID CHECK	0.00
02/16/2016	25380	Dinosaur Tire Inc.	126.60
02/16/2016	25381	Kelly Services, Inc.	1,069.20
02/16/2016	25382	Sara Onate	7.54
02/16/2016	25383	San Bdno. Valley Muni. Water D	7,000.00
02/16/2016	25384	Sims Welding & Supply Co., Inc	202.99
02/16/2016	25385	Wells Fargo Bank-Corporate Tru	5,000.00
02/16/2016	25386	Ameripride Uniform Services	502.67
02/16/2016	25387	AmeriGas Propane LP	2,019.75
02/16/2016	25388	Ampak Chemicals, Inc.	4,212.00
		-	-

<u>Check Date</u>	<u>Check Number</u>	Name	<u>Check Amount</u>
02/16/2016	25389	Calolympic Glove & Safety Co.,	355.63
02/16/2016	25390	Evoqua Water Technologies LLC	918.60
02/16/2016	25391	Grainger	735.65
02/16/2016	25392	Hach Company	1,066.58
02/16/2016	25393	Hasa, Inc.	3,561.09
02/16/2016	25394	Inland Water Works Supply Co.	15,471.64
02/16/2016	25395	Johnson Machinery Co.	1,983.74
02/16/2016	25396	Main's Lock Supply Inc.	32.40
02/16/2016	25397	Nuckles Oil Company, Inc.	3,944.40
02/16/2016	25398	Myron L Company	696.19
02/16/2016	25399	Nagem, Inc.	75.30
02/16/2016	25400	NCL Of Wisconsin Inc	188.59
02/16/2016	25401	Office Solutions Business Prod	45.19
02/16/2016	25402	P & R Paper Supply Co., Inc.	140.03
02/16/2016	25403	Q Versa, LLC	12,753.56
02/16/2016	25404	Riverside Winnelson Company	2,918.04
02/16/2016	25405	The Sherwin-Williams Co.	204.22
02/16/2016	25406	State Water Resources Control	335.00
02/16/2016	25407	WESTON, ROBERT B	114.75
02/16/2016	25408	DARBYSHIRE, RONALD A	56.43
02/16/2016	25409	MARABLE, MIKE	39.56
02/16/2016	25410	DOBSON, JENNIFER & M	52.62
02/16/2016	25411	MOSHER, GORDON W	41.39
02/16/2016	25412	WES HANKINS INC	58.13
02/16/2016	25413	MARQUEZ, ANGELA	77.98
02/16/2016	25414	LEAL, JOSEPH & ERICA	46.67
02/16/2016	25415	YUCAIPA VALLEY REAL	42.43
02/16/2016	25416	SMITH, JOSHUA	42.43
02/19/2016	25417	PAYROLL CHECK	2,066.55
02/19/2016	25418	CA-PERS Supplemental Income 45	18,683.44
02/19/2016	25419	WageWorks, Inc.	1,462.27
02/19/2016	25420	Public Employees' Retirement S	22,515.84
02/19/2016	25421	Hong Nelson	125.00
02/19/2016	25422	California State Disbursement	115.38
02/19/2016	25423	California State Disbursement	476.30
02/19/2016	25424	Department of the Treasury - I	125.00
02/19/2016	25425	Cypress Insurance Company	15,735.86
02/19/2016	25426	WageWorks, Inc.	212.75
02/22/2016	25427	Ralph C. Casas	58.00
02/22/2016	25428	Ameripride Uniform Services	499.09
02/22/2016	25429	Redlands Employment Services	948.40
02/22/2016	25430	AT&T Mobility	1,699.49
02/22/2016	25431	Cobb's Printing, LLC	306.72
02/22/2016	25432	Fedex	47.54
02/22/2016	25433	Hershey Business Products	243.00
02/22/2016	25434	Incode Division-Tyler Technolo	2,583.50
02/22/2016	25435	Inland Empire Resource Conserv	411.43

Check Date	<u>Check Number</u>	<u>Name</u>	Check Amount
02/22/2016	25436	Kelly Services, Inc.	855.36
02/22/2016	25437	NetComp Technologies,Inc.	1,050.00
02/22/2016	25438	The Counseling Team Internatio	240.00
02/22/2016	25439	Verizon	140.17
02/22/2016	25440	All American Sewer Tools	1,428.13
02/22/2016	25441	Aqua-Metric Sales Company	9,339.84
02/22/2016	25442	Bernell Hydraulics, Inc.	1,274.12
02/22/2016	25443	Evoqua Water Technologies LLC	974.44
02/22/2016	25444	Inland Water Works Supply Co.	1,305.72
02/22/2016	25445	J. Colon Coatings, Inc.	16,800.00
02/22/2016	25446	JB Paving & Engineering, Inc.	15,002.25
02/22/2016	25447	Lowe's Companies, Inc.	135.50
02/22/2016	25448	Nuckles Oil Company, Inc.	1,471.24
02/22/2016	25449	Office Solutions Business Prod	156.68
02/22/2016	25450	Pro-Pipe & Supply, Inc.	93.57
02/22/2016	25451	Riverside Winnelson Company	149.54
02/22/2016	25452	Safety Kleen Systems, Inc.	145.00
02/22/2016	25453	JR Simplot Company	302.40
02/22/2016	25454	Smart & Final Stores, LLC	143.01
02/22/2016	25455	Steven Enterprises, Inc	1,083.46
02/22/2016	25456	UPS Store#1504/ Mail Boxes Etc	10.28
02/22/2016	25457	CWEA-TCP (OAKPORT ST.)	91.00
02/22/2016	25458	Kyle Westerlin	170.00
02/22/2016	25459	Gilbert A. Santacruz	164.00
02/22/2016	25460	Courtland R. Gear	164.00
02/22/2016	25461	Aaron Blose	164.00
02/22/2016	25462	Joseph Zoba	110.21
02/22/2016	25463	Matthew Porras	229.12
02/22/2016	25464	Kyle C. Mitchell	91.40
		February 2016 Check Register Total	2,008,111.02

DATE	DESCRIPTION	Deposit Checking	General Chaoking	Investment	Treasuries	LAIF	TOTAL ACTIVITY
01/31/2016	hal famuard	Checking	Checking	Checking	at cost 501,504.82	Invest. Fund	
	bal forward rev retained in MM	884,405.99	30,000.00	24,782.97	(2,019.50)	17,313,426.79	18,754,120.57 (2,019.50)
02/01/2016	Deposit	32,444.41			(2,013.00)		32,444.41
02/01/2010	Deposit - Riv tax	3,240.51					3,240.51
	Credit Card-1/29	464.26					464.26
	Credit Card-2/1	4,641.24					4,641.24
	Electronic	12,978.21					12,978.21
	Website-2/1	4,817.14					4,817.14
	Website-2/2	145.14					4,817.14
	Website-2/2 Website-2/2	486.87					486.87
02/02/2016							
02/02/2016	Deposit Deposit	38,948.56					38,948.56
	Deposit - MC	3,200.00					3,200.00
	Credit Card-2/1	533.37					533.37
	Credit Card-2/2	2,075.56					2,075.56
		27,066.63					27,066.63
	Website-2/2	4,161.01					4,161.01
	Website-2/3	140.28					140.28
	Website-2/3	414.19					414.19
	ETS Fees	(1,537.85)					(1,537.85)
	ETS Fees	(1,364.96)					(1,364.96)
02/03/2016	Deposit	37,524.89					37,524.89
	Deposit - MC	367,673.60					367,673.60
	Credit Card-2/2	516.74					516.74
	Credit Card-2/3	6,724.72					6,724.72
	Electronic	19,202.97					19,202.97
	Website-2/3	4,358.40					4,358.40
	Website-2/4	218.32					218.32
	Website-2/4	462.25					462.25
	ACH pmts	43,187.40					43,187.40
02/04/2016	Deposit	34,409.15					34,409.15
	Credit Card-2/3	2,104.27					2,104.27
	Credit Card-2/4	1,659.16					1,659.16
	Electronic	11,361.28					11,361.28
	Website-2/4	3,722.69					3,722.69
	Website-2/5	80.00					80.00
	Website-2/5	962.47					962.47
02/05/16-PR	Federal Taxes		(49,643.91)				(49,643.91)
02/05/16-PR	State Taxes		(7,836.43)				(7,836.43)
02/05/16-PR	PR Direct Deposit		(115,782.95)				(115,782.95)
02/05/16-PR	VOYA 457 Cks. #25248-25291		(8,270.90) (253,257.09)				(8,270.90)
	TRF#1400- AP & PR	(434,791.28)	434,791.28				(253,257.09) 0.00
02/05/2016	Deposit	26,876.47	+0+,7 01.20				26,876.47
02/03/2010	Credit Card-2/4	893.63					893.63
	Credit Card-2/4 Credit Card-2/5	2,309.00					2,309.00
		12,207.76					2,309.00
	Electronic						
	Website-2/5	2,768.25					2,768.25
	Website-2/6	73.42					73.42
	Website-2/6	1,410.07					1,410.07
	Website-2/7	75.15					75.15
	Website-2/7	2,280.08					2,280.08
	Website-2/8	64.93					64.93
	Website-2/8	3,079.61					3,079.61

DATE	DESCRIPTION	Deposit Checking	General Checking	Investment Checking	Treasuries at cost	LAIF Invest. Fund	TOTAL ACTIVITY
01/31/2016	bal forward	884,405.99	30,000.00	24,782.97	501,504.82	17,313,426.79	18,754,120.57
02/08/2016	Deposit	64,133.01			,	,	64,133.01
	Credit Card-2/5	1,242.52					1,242.52
	Credit Card-2/8	5,322.93					5,322.93
	Electronic	11,930.01					11,930.01
	Website-2/8	3,130.56					3,130.56
	Website-2/9	596.13					596.13
02/09/2016	Deposit	11,581.31					11,581.31
	Deposit-M/C	12,097.62					12,097.62
	Credit Card-2/8	1,371.77					1,371.77
	Credit Card-2/9	1,950.75					1,950.75
	Electronic	23,544.19					23,544.19
	Website-2/9	2,620.77					2,620.77
	Website-2/10	312.65					312.65
	Website-2/10	424.27					424.27
	Void Ck#23451, 5/29/15		156.71				156.71
	Cks. #25292-25363		(781,628.41)				(781,628.41)
	TRF#1401- AP	(781,471.70)	781,471.70				0.00
02/10/2016	Deposit	64,531.57					64,531.57
	Credit Card-2/9	618.60					618.60
	Credit Card-2/10	4,967.44					4,967.44
	Electronic	13,598.22					13,598.22
	Website-2/10	6,393.74					6,393.74
	Website-2/11	54.39					54.39
	Website-2/11	543.53					543.53
	ACH pmts	45,122.30					45,122.30
02/11/2016	Deposit	54,991.90					54,991.90
	Deposit-M/C	25,984.60					25,984.60
	Credit Card-2/10	1,036.05					1,036.05
	Credit Card-2/11	2,140.27					2,140.27
	Electronic	12,083.44					12,083.44
	Website-2/11	2,529.70					2,529.70
	Website-2/12	942.08					942.08
02/12/2016	Deposit	38,490.90					38,490.90
	Deposit - MC	3,200.00					3,200.00
	Credit Card-2/11	483.07					483.07
	Credit Card-2/12	2,058.14					2,058.14
	Electronic	13,994.24					13,994.24
	Website-2/12	3,698.54					3,698.54
	Website-2/13	141.97					141.97
	Website-2/13	2,776.08					2,776.08
	Website-2/14	64.93					64.93
	Website-2/14	1,687.92					1,687.92
	Website-2/15	63.23					63.23
	Website-2/15	3,095.63					3,095.63
	Website-2/16	117.43					117.43
	Website-2/16	563.16					563.16
02/16/2016	Deposit	74,947.79					74,947.79
	Credit Card-2/12	405.95					405.95
	Credit Card-2/16	5,169.67					5,169.67
	Electronic	12,835.20					12,835.20
	Website-2/16	3,079.47					3,079.47
	Website-2/17	71.27					71.27
	Website-2/17	720.12					720.12

DATE	DESCRIPTION	Deposit Checking	General Checking	Investment Checking	Treasuries at cost	LAIF Invest. Fund	TOTAL ACTIVITY
01/31/2016	bal forward	884,405.99	30,000.00	24,782.97	501,504.82	17,313,426.79	18,754,120.57
	ACH pmts	50,282.38					50,282.38
	ACH pmts	66.62					66.62
02/17/2016	Deposit	11,296.75					11,296.75
02,11,2010	Credit Card-2/16	1,025.25					1,025.25
	Credit Card-2/17	5,766.62					5,766.62
		23,016.00					23,016.00
	Website-2/17	4,083.42					4,083.42
	Website-2/18	4,085.42					4,083.42
	Cks. #25364-25416	400.29	(852,128.19)				(852,128.19)
	TRF#1402- AP	(852,128.19)	852,128.19				0.00
02/18/2016	Deposit	29,313.22	,				29,313.22
02/10/2010	Credit Card-2/17	1,693.60					1,693.60
	Credit Card-2/18	16,868.37					16,868.37
		11,661.75					11,661.75
	Website2/18	2,542.71					2,542.71
	Website2/19	252.22					2,342.71
02/19/2016	Deposit	52,806.69					52,806.69
02/19/2010	Credit Card-2/19	3,023.34					3,023.34
		+ +					,
	Electronic	15,413.87					15,413.87
	Website-2/19	3,057.97					3,057.97
	Website-2/20	1,530.18					1,530.18
	Website-2/21	175.73					175.73
	Website-2/21	2,655.04					2,655.04
	Website-2/22	359.25					359.25
02/22/2016	Deposit	55,852.91					55,852.91
	Deposit-M/C	24,873.25					24,873.25
	Deposit-M/C	4,389.75					4,389.75
	Credit Card-2/19	762.67					762.67
	Credit Card-2/22	3,506.51					3,506.51
	Electronic	19,270.32					19,270.32
	Website-2/22	1,904.01					1,904.01
	Website-2/23	193.57					193.57
	Website-2/23	444.58					444.58
	ACH pmts	27,244.31					27,244.31
2/19/16-PR	Federal Taxes		(48,829.08)				(48,829.08)
2/19/16-PR	State Taxes		(7,917.12)				(7,917.12)
2/19/16-PR	PR Direct Deposit		(114,327.31)				(114,327.31)
2/19/16-PR	VOYA 457		(7,663.93)				(7,663.93)
	Cks. #25417-25426 TRF#1403- AP & PR	(240,255.83)	(61,518.39) 240,255.83				(61,518.39) 0.00
	Deposit - SBC Tax	(240,200.83)	240,255.83 59,877.15				59,877.15
		50.077.45					
00/02/0040	TRF#1404 - to Dep Cking	59,877.15	(59,877.15)				0.00
02/23/2016	Deposit	6,941.68					6,941.68
	Credit Card-2/22	871.80					871.80
	Credit Card-2/23	1,743.25					1,743.25
	Electronic	16,221.18					16,221.18
	Website-2/23	1,764.74					1,764.74
	Website-2/24	155.32					155.32
	Website-2/24	150.36					150.36
	Void Ck#25379, 2/16		502.67				502.67
	Cks. #25427-25464	1 1	(60,081.61)				(60,081.61)

DATE	DESCRIPTION	Deposit Checking	General Checking	Investment Checking	Treasuries at cost	LAIF Invest. Fund	TOTAL ACTIVITY
01/31/2016	bal forward	884,405.99	30,000.00	24,782.97	501,504.82	17,313,426.79	18,754,120.57
02/24/2016	Deposit	28,785.20					28,785.20
	Credit Card-2/23	1,237.65					1,237.65
	Credit Card-2/24	1,597.50					1,597.50
	Electronic	7,415.22					7,415.22
	Website-2/24	1,492.14					1,492.14
	Website-2/25	154.18					154.18
	Website-2/25	658.42					658.42
02/25/2016	Deposit	14,885.30					14,885.30
	Credit Card-2/24	504.38					504.38
	Credit Card-2/25	925.24					925.24
	Electronic	5,451.66					5,451.66
	Website-2/25	3,968.36					3,968.36
	Website-2/26	47.91					47.91
	Website-2/26	451.17					451.17
	ACH pmts	54,871.13					54,871.13
	ACH pmts	726.67					726.67
02/26/2016	Deposit	14,743.50					14,743.50
	Credit Card-2/25	4,758.60					4,758.60
	Credit Card-2/26	1,775.83					1,775.83
	Electronic	6,625.06					6,625.06
	Website-2/26	4,537.43					4,537.43
	Website-2/27	1,542.51					1,542.51
	Website-2/28	1,987.02					1,987.02
	Website-2/29	702.88					702.88
	Website-2/29	493.86					493.86
02/29/2016	Deposit	34,442.86					34,442.86
	Bank adj	20.00					20.00
	Credit Card-2/26	1,042.25					1,042.25
	Credit Card-2/29	1,370.26					1,370.26
	Electronic	8,094.41					8,094.41
	Website-2/29	3,804.52					3,804.52
	Website-3/1	852.36					852.36
	February '16 NSF's	(1,109.20)					(1,109.20)
1/31	retained in MM				2,019.52		2,019.52
	•				•	Letter and the second sec	18,320,739.84
	TOTALS	451,025.24	30,000.00	24,782.97	501,504.84	17,313,426.79	18,320,739.84

Investment Summary - January 2016

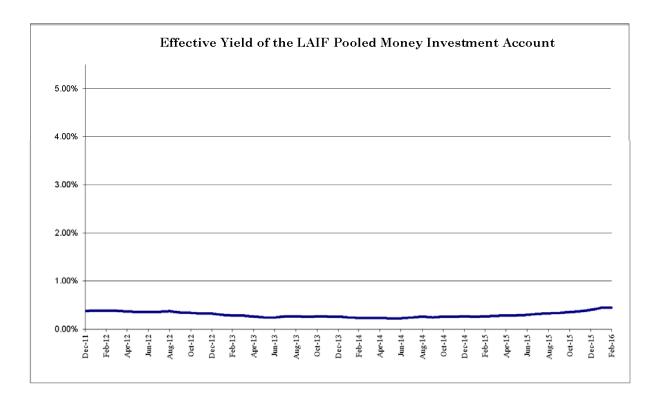
Quantity Description Cusip Maturity Date Yield Cost of Purchase Market Value 500,000 US Treasury Bill 912796HT9 June 2, 2016 0.020% 499,485.32 499,590.00 Total Values 499,590.00 500,000 499,485.32 Money Market Account Activity-Beginning Balance 2,019.50 1/31/16 - Dividend/Interest 0.02 0.02 Income Intra-Bank Transfers to/from Investment Checking 0.00 Fund Transfers 0.00 0.00 Cusip Maturity Redemptions 0.00 Cusip Purchase 0.00 Purchases 0.00 Ending Balance - Money Market 2,019.52 **US Treasury Securities Investment Principal** 499,485.32 Total Assets 501,504.84

U.S. TREASURIES

Investment Summary - February 2016

LOCAL AGENCY INVESTMENT FUND

PERIOD	TOTAL WITHDRAWAL AMOUNT	TOTAL DEPOSIT AMOUNT	ACCRUED INTEREST (QUARTERLY)	ENDING BALANCE
July 31, 2015	(\$525,000.00)	\$0.00	\$12,375.46	\$19,103,970.94
August 31, 2015	(\$3,000,000.00)	\$0.00	\$0.00	\$16,103,970.94
September 30, 2015	\$0.00	\$0.00	\$0.00	\$16,103,970.94
October 31, 2015	\$0.00	\$0.00	\$14,537.81	\$16,118,508.75
November 30, 2015	\$0.00	\$0.00	\$0.00	\$16,118,508.75
December 31, 2015	\$0.00	\$0.00	\$0.00	\$16,118,508.75
January 31, 2016	\$0.00	\$1,180,000.00	\$14,918.04	\$17,313,426.79
February 28, 2016	\$0.00	\$0.00	\$0.00	\$17,313,426.79
March 31, 2016	\$0.00	\$0.00	\$0.00	\$17,313,426.79
April 30, 2016	\$0.00	\$0.00	\$0.00	\$17,313,426.79
May 31, 2016	\$0.00	\$0.00	\$0.00	\$17,313,426.79
June 30, 2016	\$0.00	\$0.00	\$0.00	\$17,313,426.79
L.A.I.F. INCOME SUM	IMARY		CURRENT QUARTER	FY YEAR-TO-DATE
	INCOME RECEIVED		\$14,918.04	\$41,831.31



													Da	til	y I	De	эp	0	Sİ	t /	41	lo	Cá	ati	0	n	-	Fe	br	น	ar	У	2()1(6												
RECAP TOTAL	32,444.41	3,240.51	5,105.50	12,978.21	5,449.15	38,948.56	3,200.00	2,008.93 27 066 63	21,000.03	37,524.89	367,673.60	7,241.46	19,202.97	19.850,c	34.409.15	3,763.43	11,361.28	4,765.16	26,876.47	3,202.63	07.12,201.10	9,731.31	6,565.45	11,930.01	3,726.69	11,581.31	12,097.62	3,322.52	3.357.69	64,531.57	5,586.04	13,598.22	6,991.66	45,122.30	25,984.60	3,176.32	12,083.44	3,471.78	38,490.90	0,200.00 2 541 21	13 004 24	12.208.89	74,947.79	5,575.62	12,835.20	3,870.86	50,349.00
Recycled Allocation																																															
Sewer Allocation											131,536.00																								8,401.00												
Water Allocation		3,240.51					3,200.00				236,137.60																12,097.62			l					17,583.60					00.002,0							
AR Water Fees & Deposits	120.00				101.50				00 JE	C7:00				UC.U8				87.50				143.50			68.25				R4 75	2.5			87.50					63.00				234.50	00.00			78.75	
AR TOTAL	32,324.41	0.00	5,105.50	12,978.21	5,347.65	38,948.56	0.00	2,008.93 27 066 62	4 626 23	37,524.89	0.00	7,241.46	19,202.97	4,938.47	34,409,15	3,763.43	11,361.28	4,677.66	26,876.47	3,202.63	12,201.10	9,008.01 64.133.01	6,565.45	11,930.01	3,658.44	11,581.31	0.00	3,322.52	3 292.04	64,531.57	5,586.04	13,598.22	6,904.16	45,122.30	00'0	3,176.32	12,083.44	3,408.78	38,490.90	0.00	13.170,2	11.974.39	74.947.79	5,575.62	12,835.20	3,792.11	50,349.00
AR ACH Auto Pay														07 101 07	01.101.01																			45,122.30													50,349.00
AR Web Site					5,347.65				1 676 73	C7'070't				4, 958.47				4,677.66			10,000,0	8' DUB.UT			3,658.44				3 292 94	10:1010			6,904.16					3,408.78				11.974.39	0011011			3,792.11	
AR Electronic Rapid Pay				12,978.21				27 DEG 63	21,000.00				19,202.97				11,361.28			02 200 0 1	12,201.10			11,930.01				23 EAA 10	01-1-0-0-7			13,598.22					12,083.44				13 994 24	14:100.001			12,835.20		
AR Credit Card			5,105.50				00000	2,608.93				7,241.46				3,763.43				3,202.63			6,565.45					3,322.52			5,586.04					3,176.32				2 E41 21	1			5,575.62			
AR Payment Centers																			~																												
AR Mail & Counter	32,324.41					38,948.56				37,524.89					34.409.15	•			26,876.47			64.133.01				11,581.31				64,531.57				54 001 0U	10-100 °EO				38,490.90				74,947.79				
DEPOSIT CHECKING DEPOSITS	32,444.41	3,240.51	5,105.50	12,978.21	5,449.15	38,948.56	3,200.00	2,508.93 27 DEG 63	4 715 40	37,524.89	367,673.60	7,241.46	19,202.97	5,U38.97	34.409.15	3,763.43	11,361.28	4,765.16	26,876.47	3,202.63	12,201.10	64.133.01	6,565.45	11,930.01	3,726.69	11,581.31	12,097.62	3,322.52 23 EAN 10	3 357 69	64,531.57	5,586.04	13,598.22	6,991.66	45,122.30	25,984.60	3,176.32	12,083.44	3,471.78	38,490.90	2,541.21	13 994 24	12.208.89	74,947.79	5,575.62	12,835.20	3,870.86	50,349.00
aty	377		51	174	59	285	2	31 305	200	347		5	277	48	312	30	179	51	269	e é	781	610 610	20	168	40	146		32 207	38	325	49	184	2	570 260		32	157	36	223	- ⁹ 2	213	134	593	56	203	45	643
Description	Mail & Counter	Deposit-Riv Tax	Credit Cards	Electronic	Website-58 fees	Mail & Counter	Deposit-M/C	Credit Cards Flootronio	Lieuruniu Mahsita-61 faas	Mail & Counter	Deposit-Wm Lyons	Credit Cards	Electronic	VVebsite-46 tees	Mail & Counter	Credit Cards	Electronic	Website - 50 fees	Mail & Counter	Credit Cards		Website-82 rees Mail & Counter	Credit Cards	Electronic	Website-39 fees	Mail & Counter	Deposit-M/C	Credit Cards	Mehsite-37 fees	Mail & Counter	Credit Cards	Electronic	Website-50 fees	ACH payment	Deposit-M/C	Credit Cards	Electronic	Website	Mail & Counter	Credit Cards	Electronic	Website	Mail & Counter	Credit Cards	Electronic	Website	ACH payment
DATE	02/01/2016					02/02/2016				02/03/2016					02/04/2016				02/05/2016			02/08/2016				02/09/2016				02/10/2016				02/11/2016					02/12/2016				02/16/2016				

												I	Da	ai	ly	C)e	эр	0	si	it	A	llo	00	ca	ıti	0	n	-	Fe	ek	ori	ua	ıŋ	12	2()1	6										
RECAP TOTAL	11,296.75	6,791.87	23,016.00	4,491.71	29,313.22	18,561.97	11,661.75	2,794.93	52,806.69	3,023.34	15,413.87	7,778.17	55,852.91	24,873.25	4,389.75	4,269.18	19,270.32	2,542.16	27,244.31	6,941.68	2,615.05	16,221.18	2,070.42	28,785.20	353.05	2,835.15	7,415.22	2,304.74	14,885.30	1,429.62	5,451.66	4,467.44	55,597.80	14,743.50	0, 334.43 6 625 06	00.020.0	9,263.70	34,442.80	2,412.51	0,034.41	4,020.88	0.00	0.00		1,878,203.90			
Recycled Allocation																																													0.00			
Sewer Allocation																																													139,937.00			
Water Allocation														24,873.25	4, 389.75																														304,722.33			
AR Water Fees & Deposits				70.00				61.25				162.75						61.25					40.25					42.00				47.25					140.00			00.20	84.00				1,927.75			
AR TOTAL	11,296.75	6,791.87	23,016.00	4,421.71	29,313.22	18,561.97	11,661.75	2,733.68	52,806.69	3,023.34	15,413.87	7,615.42	55,852.91	0.00	0.00	4,269.18	19,270.32	2,480.91	27,244.31	6,941.68	2,615.05	16,221.18	2,030.17	28,785.20	353.05	2,835.15	7,415.22	2,262.74	14,885.30	1,429.62	5,451.66	4,420.19	55,597.80	14,743.50	0,034.43 6.625.06	00.020.0	9,123.70	34,442.80	2,412.51 2,412.51	1 5-70 00	4,5/2.88	11 100 201	0.00		1,431,616.82	14.491	100%	
AR ACH Auto Pay																			27,244.31														55, 597.80		Ī	T				Ī				•	221,500.81	2.832	19.54%	
AR Web Site				4,421.71				2,733.68				7,615.42						2,480.91					2,030.17					2,262.74				4,420.19					9,123.70			1 170 00	4,5/2.88				101,910.24	1.054	7.27%	
AR Electronic Rapid Pay			23,016.00				11,661.75				15,413.87						19,270.32					16,221.18					7,415.22				5,451.66				6 675 06	0,040.00			0 001 11	a, uot ; t					283,971.62	4,003	27.62%	
AR Credit Card		6, 791.87				18,561.97				3,023.34						4,269.18					2,615.05					2,835.15				1,429.62				0.000	a, 534.43			120110	2,412.51					•	97,162.23	698	4.82%	
AR Payment Centers																																										18,891./U			19,891.70	290	2.00%	
AR Mail & Counter	11,296.75				29,313.22				52,806.69				55,852.91							6,941.68				28,785.20	353.05				14,885.30					14, 743.50			50 011 10	34,442.86				(19,891./U)	11, 108.44		707,180.22	5.614	38.74%	
DEPOSIT CHECKING DEPOSITS	11,296.75	6,791.87	23,016.00	4,491.71	29,313.22	18,561.97	11,661.75	2,794.93	52,806.69	3,023.34	15,413.87	7,778.17	55,852.91	24,873.25	4,389.75	4,269.18	19,270.32	2,542.16	27,244.31	6,941.68	2,615.05	16,221.18	2,070.42	28,785.20	353.05	2,835.15	7,415.22	2,304.74	14,885.30	1,429.62	5,451.66	4,467.44	55,597.80	14,743.50	0,004.40 6 605 06	0,020.00	9,263.70	34,442.80	2,412.51	0,000	4,656.88	11 100 201	(1,100.44)		1,878,203.90			
aty	121	60	331	40	365	\$	172	37	254	39	222	95	461			51	245	35	520	111	24	233	23	253		22	109	24	130	14	79	28	602	17	88	8	28 58	202	5	;	8				14,491			
Description	Mail & Counter	Credit Cards	Electronic	Website	Mail & Counter	Credit Cards	Electronic	Website-35 fees	Mail & Counter	Credit Cards	Electronic	Website-93 fees	Mail & Counter	Dep - M/C	Dep - M/C	Credit Cards	Electronic	Website	ACH payment	Mail & Counter	Credit Cards	Electronic	Website	Mail & Counter	YCUSD pmt corr	Credit Cards	Electronic	Website	Mail & Counter	Credit Cards	Electronic	Website-27 fees	ACH payment	Mail & Counter	Ureair Uaras Electronic		Website-80 fees	Ivialit & Counter	Credit Cards		Website				TOTALS	Total # Ar Payments	PERCENT OF TOTAL RECEIVED	
DATE	02/17/2016				02/18/2016				02/19/2016				02/22/2016							02/23/2016				02/24/2016					02/25/2016					02/26/2016			00000010	91.02/62/20			4 - -	rep-10	SB tax-ach			TOTAL # AF	PERCENT O	

Workshop Memorandum No. 16-058

ACCOUNT#	ACCOUNT#DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '15	Nov '15	Dec '15	Jan '16	Feb '16	Year to Date	Percentage YTD
02-40010	Sales - Water	6,165,000	1,109,101	496,039	361,517	364,040	205,429	196,850	2,732,976	44.33%
02-40011	Sales - Construction Water	20,000	2,524	1,116	1,055	726	370	6	5,801	29.00%
02-40012	Sales - Imported Water (SGPWA)	250,000	55,743	16,567	13,722	11,909	7,645	7,645	113,231	45.29%
02-40013	Sales - Imported Water (MUNI)	850,000	138,543	69,464	51,720	52,484	30,695	28,948	371,856	43.75%
02-40014		(130,000)	(22,065)	(10,054)	(8,245)	(9,449)	(6,846)	(6,673)	(63,332)	48.72%
02-40015	Water Wholesale Revenue	70,000	13,653	4,419	4,247	4,402	101,521	0	128,242	183.20%
02-40016		3,000	1,475	575	25	425	25	425	2,950	98.33%
02-41000	Service Demand Charges	3,000,000	564,332	255,502	255,700	256,013	256,287	256,307	1,844,141	61.47%
02-41001	Fire Service Standby Fees	25,000	5,186	2,578	2,387	2,939	3,155	3,001	19,246	76.98%
02-41003		14,000	2,433	1,235	1,152	1,325	1,090	902	8,137	58.12%
02-41005	Sales Disc-Multi Units Service Chrg.	(120,000)	(25,302)	(11,376)	(11,376)	(11,376)	(11,376)	(11,376)	(82,184)	68.49%
02-41010	Unauthorized Use of Water Charg	2,000	0	0	0	0	0	0	0	0.00%
02-41110		35,000	21,050	8,625	0	5,625	0	6,375	41,675	119.07%
02-41112	Fire Flow Test Fees	3,500	900	525	225	450	450	225	2,775	79.29%
02-41113	Disconnect/Reconnect Fees	130,000	31,365	9,185	8,575	12,390	11,515	7,915	80,945	62.27%
02-41121	Penalty - Late Charges	150,000	32,104	10,053	12,295	8,852	10,577	8,600	82,482	54.99%
02-42123	Management & Accounting Fees	160,000	39,994	13,334	13,334	13,334	13,334	13,334	106,664	66.67%
02-41124 Bad Debt	Bad Debt	(20,000)	0	0	0	0	0	0	0	0.00%
02-43010	02-43010 Interest Earned	15,000	4,066	8,668	28	0	6,588	0	19,351	129.01%
02-43110	Property Tax - Unsecured	110,000	6,630	0	103,227	(10,541)	(2,060)	89	97,345	88.50%
02-43120	Property Tax - Secured	2,400,000	0	0	168,567	983,767	98,121	62,276	1,312,731	54.70%
02-43130	Tax Collection - Prior	15,000	0	3,330	10,922	(9,280)	3,717	553	9,242	61.61%
02-43140	Other Taxes	185,000	(17)	(6)	3,804	9,994	71,072	199	85,044	45.97%
02-49150	Revenue - Misc. Non-Operating	80,000	19,002	3,582	5,712	9,741	22,422	3,297	63,755	79.69%
	WATER OPERATING REVENUE	13,412,500	2,000,718	883,359	998,593	1,697,769	823,732	578,901	6,983,072	52.06%
	Grants	0	0	41,089	0	0	0	0	41,089	
02-89901	Facility Capacity Charges	0	657,307	309,994	21,156	322,693	0	229,126	1,540,276	
02-89902	Sustainability	0	75,517	49,749	3,924	50,762	881	14,970	195,803	
	TOTAL WATER REVENUE	13,412,500	2,733,543	1,284,191	1,023,673	2,071,224	824,613	822,997	8,760,240	

FY 2016 - Water Revenue

11,675,000 2,170,394 953,641 942,143 ////////////////////////////////////
1,000 150,000 (20,000
(ZU,000) 0 2,000 465 15,000 4,062
10,000 125,000
10,000 1,500
50,000 1,875
11,820,000 2,165,469
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11,820,000 2,645,802

FY 2016 - Sewer Revenue

									Year to	Percentage
ACCOUNT#	ACCOUNT# DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '15	Nov '15	Dec '15	Jan '16	Feb '16	Date	ΥTD
04-40010	Sales - Recycled Water	450,000	108,101	41,986	26,911	23,271	4,477	5,545	210,291	46.73%
04-40011	Sales - Construction Water	10,000	1,270	472	600	285	373	26	3,328	33.28%
04-41000	Sales - Service Demand Chrg.	42,500	7,403	3,176	3,145	3,237	3,231	3,249	23,440	55.15%
04-41003	Const. Water Minimum Chrg.	5,000	428	221	214	122	214	193	1,490	29.81%
04-41110	Meter/Lateral installation	1,500	0	0	0	325	0	0	325	21.67%
04-41121	Penalty - Late Charges	500	254	39	44	2	8	13	365	72.95%
04-41122	Revenue - Other Operating	250	0	0	0	0	0	0	0	0.00%
04-43010	Interest Earned	8,000	0	1,454	6	0	1,492	0	2,952	36.90%
04-43110	Property Tax - Unsecured	1,000	0	0	0	1,000	0	0	1,000	100.00%
04-43120	Property Tax - Secured	15,000	0	0	0	15,000	0	0	15,000	100.00%
04-43130	Property Tax - Prior	1,000	0	0	0	1,000	0	0	1,000	100.00%
04-43140	Property Tax - Other	1,000	0	0	0	1,000	0	0	1,000	100.00%
04-49150	Misc. Non-Operating Revenue	1,500	0	0	0	0	0	0	0	0.00%
RI	RECYCLED OPERATING REVENUE	537,250	117,454	47,348	30,921	45,648	9,794	9,026	260,191	48.43%
	Grants	0	0						0	
04-89901	Facility Capacity Charges	0	5,800	0	5,800	10,634	9,667	0	31,901	
	TOTAL RECYCLED REVENUE	537,250	123,254	47,348	36,721	56,282	19,461	9,026	292,092	

FY 2016 - Recycled Revenue

ACCOUNT# DES	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '15	Nov '15	Dec '15	Jan '16	Feb '16	Year to Date	Percentage YTD
02-5-01-50010 Labo	Labor-Water Resources	884,000	172,040	91,592	65,105	63,390	63,221	61,226	516,574	58.44%
	Labor Credit	0	0	0	0	0	0	0	0	
02-5-01-50013 Bene	Benefits-Fica	63,000	14,123	7,517	5,345	5,044	5,234	5,080	42,342	67.21%
-01-50014 Bent	02-5-01-50014 Benefits-Life Insurance	3,200	845	278	286	277	297	287	2,270	70.93%
-01-50016 Bent	02-5-01-50016 Benefits-Health\Defrd Comp	145,000	43,006	15,223	14,508	14,533	14,533	14,327	116,129	80.09%
02-5-01-50017 Benefits-Disability	efits-Disability Insurance	11,000	2,521	1,166	855	769	899	880	7,089	64.44%
	efits-Workers Compensation	42,000	7,989	781	4,084	4,084	4,013	5,646	26,598	63.33%
02-5-01-50021 Bene	Benefits-PERS	47,000	10,205	5,747	3,868	3,831	3,831	3,831	31,315	66.63%
02-5-01-50022 Benefits-PERS-En	efits-PERS-Employer	100,000	10,954	6,136	4,091	4,091	4,091	4,091	33,453	33.45%
02-5-01-50023 Bene	Benefits-Uniforms	3,500	765	402	1,516	425	231	215	3,554	101.55%
02-5-01-50024 Benefits-Vacation	efits-Vacation & Sick Pay	7,500	1,577	892	459	595	821	821	5,164	68.85%
02-5-01-50025 Bene	Benefits-Boot Allowance	2,000	594	0	200	0	0	194	988	49.42%
02-5-01-51003 R&M	R&M - Structures	275,000	26,103	24,272	13,392	39,191	7,357	3,263	113,578	41.30%
02-5-01-51011 R&M	R&M - CLA Valves	10,000	0	0	0	1,885	205	305	2,395	23.95%
02-5-01-51140 Gene	General Supplies & Expenses	2,000	234	136	31	55	0	0	455	22.75%
02-5-01-51210 Utiliti	Utilities - Power Purchases	1,650,000	425,299	115,268	44,080	84,658	105,479	66,085	840,870	50.96%
02-5-01-51211 Utiliti	Utilities - Electricity & Fuel	5,000	1,199	480	419	433	504	408	3,442	68.84%
5-01-51316 Impc	02-5-01-51316 Imported Water Purchases	1,100,000	261,701	93,414	91,779	81,897	1,786	0	530,578	48.23%
02-5-01-54019 Licer	Licenses & Permits	25,000	3,133	0	1,404	1,404	708	0	6,649	26.59%
02-5-01-54110 Labo	Laboratory Services	75,000	7,873	16,798	13,234	3,030	4,999	4,192	50,125	66.83%
5-01-57040 YVR	WVFF Operating Expense	600,000	166,177	46,890	67,366	58,344	31,665	10,453	380,895	63.48%
	WATER RESOURCE TOTALS	5,050,200	1,156,338	426,991	332,021	367,935	249,874	181,302	2,714,462	53.75%
02-5-03-50010 Labor-Public Work	or-Public Works	1,042,800	141,364	74,970	81,368	86,707	78,510	80,049	542,967	52.07%
02-5-03-50011 Labo	Labor Credit	0	(1,076)	(2,524)	(4,114)	(2,169)	0	(1,623)	(11,506)	
	efits-Fica	92,000	11,609	6,193	6,649	6,929	6,528	6,642	44,550	48.42%
02-5-03-50014 Bene	Benefits-Life Insurance	7,000	1,117	366	367	436	867	596	3,750	53.57%
-03-50016 Ben∉	02-5-03-50016 Benefits-Health\Defrd Comp	300,000	60,987	21,469	22,615	32,430	35,279	26,482	199,262	66.42%
02-5-03-50017 Benefits-Disability	efits-Disability Insurance	16,500	2,427	1,077	1,086	1,062	1,516	1,294	8,463	51.29%
02-5-03-50019 Benefits-Workers	efits-Workers Compensation	45,000	7,989	781	4,084	4,084	4,013	5,646	26,598	59.11%
02-5-03-50021 Benefits-PERS	efits-PERS	73,000	10,109	5,152	3,051	3,027	3,371	3,281	27,991	38.34%
-03-50022 Bent	02-5-03-50022 Benefits-PERS Employer	160,000	10,344	5,352	5,374	5,750	5,341	5,243	37,404	23.38%
02-5-03-50023 Benefits-Uniforms	efits-Uniforms	6,000	808	322	4,144	542	441	397	6,654	110.89%
-03-50024 Bent	efits-Vacation & Sick Pay	4,000	729	542	420	299	243	243	2,476	61.89%
-03-50025 Bené	02-5-03-50025 Benefits-Boot Allowance	3,500	330	1,378	949	686	175	0	3,519	100.54%
02-5-03-51001 R & M -Vehicles &	M -Vehicles & Equipment	150,000	59,574	6,192	9,657	11,898	15,935	40,551	143,807	95.87%
02-5-03-51011 R&M	R&M - Valves	10,000	0	0	0	0	1,319	901	2,220	22.20%
02-5-03-51020 R&M - Pipelines	1 - Pipelines	275,000	51,027	29,012	7,743	18,152	20,996	15,943	142,873	51.95%
02-5-03-51021 R&M - Service Lines	A - Service Lines	100,000	20,528	12,242	1,449	5,281	12,323	5,791	57,614	57.61%
02-5-03-51022 R&M - Fire Hydrants	∕i - Fire Hydrants	25,000	1,294	(2,518)	2,401	5,086	7,686	8,690	22,639	90.56%
02-5-03-51030 R&M	R&M - Water Meters	75,000	25,996	11,927	16,233	2,946	3,397	11,563	72,061	96.08%
02-5-03-51092 Equi	Equipment Credits	0	(417)	(1,071)	(2,919)	(1,939)	0	(1,890)	(8,235)	
02-5-03-51140 Gene	General Supplies & Expenses	1,000	115	57	390	43	0	53	659	65.86%
	PUBLIC WORKS TOTALS	2.385.800	404.855	170.918	160.949	181.249	197.942	209 851	1 325 764	55 570/

FY 2016 - Water Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '15	Nov '15	Dec '15	Jan '16	Feb '16	Year to Date	Percentage YTD
02-5-06-50010	Labor-Administration	705,000	131,473	72,408	48,727	39,442	47,076	47,066	386,193	54.78%
02-5-06-50011	Labor Credit	0	2,252	0	2,925	0	0	0	5,177	
02-5-06-50012	Director Fees	19,000	3,216	2,144	1,742	492	871	1,900	10,366	54.56%
02-5-06-50013	Benefits-	47,500	10,307	5,545	3,298	2,792	4,246	4,295	30,483	64.18%
02-5-06-50014	Benefits-	3,200	662	215	220	255	232	225	1,808	56.52%
	Benefits-	165,000	37,111	15,288	13,548	13,451	13,571	12,795	105,764	64.10%
02-5-06-50017	Benefits	7,500	1,626	655	387	355	647	638	4,307	57.43%
02-5-06-50019	Benefits-	15,750	2,000	781	1,000	1,000	1,000	2,000	7,781	49.41%
02-5-06-50021	Benefits-	40,286	8,944	5,006	3,337	3,337	3,337	3,337	27,299	67.76%
02-5-06-50022	Benefits PERS Employer	85,000	9,152	5,123	3,415	3,415	3,415	3,415	27,935	32.86%
02-5-06-50023	Uniforms	2,000	293	110	408	86	93	87	1,077	53.86%
	Benefits-	10,000	3,009	1,534	888	943	1,090	715	8,178	81.78%
	Benefits-Boots	1,000	0	0	0	0	0	0	0	0.00%
02-5-06-51003	R&M - Structures	20,000	1,068	11,117	7,020	824	13,062	2,318	35,410	177.05%
02-5-06-51091		0	(236)	(1,207)	(1,972)	(494)	0	(918)	(4,827)	
02-5-06-51120		25,000	6,668	1,501	1,651	2,267	2,472	356	14,914	59.66%
02-5-06-51125	Petroleum Products	125,000	23,609	5,894	6,597	7,148	5,166	2,037	50,449	40.36%
02-5-06-51130	Office Supplies & Expenses	30,000	7,581	883	4,584	1,372	1,775	1,912	18,107	60.36%
02-5-06-51140	General Supplies & Expenses	30,000	2,241	7,291	2,378	2,434	5,927	1,537	21,809	72.70%
02-5-06-51199	Disaster	0	0	0	0	0	0	0	0	
02-5-06-51211	Utilities -	28,000	9,190	2,742	1,962	1,858	1,889	1,669	19,310	68.96%
02-5-06-51213	Utilities - Natural Gas	3,000	83	28	148	455	455	0	1,169	38.95%
		10,000	1,346	3,045	4,500	2,704	3,080	492	15,166	151.66%
02-5-06-54005	Computer Expenses	65,000	16,704	14,879	1,860	14,293	1,439	300	49,475	76.11%
	Postage	6,000	1,769	(493)	2,023	24	161	1,553	5,036	83.94%
	Printing & Publications	7,500	446	0	0	0	0	0	446	5.95%
02-5-06-54012	Education & Training	15,000	1,754	158	158	272	2,530	284	5,156	34.37%
02-5-06-54013	Utility Billing Expenses	180,000	35,943	11,972	12,097	10,198	13,509	6,771	90,491	50.27%
02-5-06-54014	Public Relations	9,000	467	853	0	236	249	0	1,807	20.07%
02-5-06-54016	Travel Related Expenses	10,000	411	500	42	42	494	561	2,048	20.48%
02-5-06-54017	Certifications & Renewals	6,000	730	215	1,780	212	470	445	3,852	64.19%
02-5-06-54020 Meeting		6,000	667	600	60	1,076	435	188	3,027	50.44%
02-5-06-54024	Utilities -	2,750	530	177	241	177	177	145	1,446	52.58%
02-5-06-54025	Utilities - Telephone	42,000	10,117	3,503	3,362	3,396	3,406	0	23,784	56.63%
02-5-06-54099	Conservation & Rebates	0 00 20	32,162	1,270	38,628	42,083	1//,346	(24,186)	2/3,302	1001 LTT
02-5-06-54104 02 E 06 E4407	Contractual Services	45 000	21,284	10,652	4,645 2,060	10,995	12,/49	3,493	14,811	20 4402
		000 01	0,040	140	000	000'-	0.0.		10,05	201120
02 5 05 54108	Audit & Accounting	16,000	30,650	700 7 700		0 6 776	1 101	1 1 EOO	10,485	60.03%
00 5 00 5 500	02-0-0-04 103 FIUIESSIUIIAI FEES	000 000	20,000	1,103	10,020	10,113	101,1	14,000	102,304	20.00%
00000-00-0-70	Depreciation reserves	1 DCE 000	49,997	10,00/	10,00/	100,01	10,00/	10,00/	100,002	00.01 %
		1,265,000	316,249 04 004	100,410	100,416	1100,416	01.4.00L	105,416	843,329	00.01%
10090-90-0-20			24,981	8,328	8,328 	8,328 2	8,328	8,328	60°621	03.45%
02-5-06-57030	Regulatory Compliance	55,000	2,561	263	535	275	200	600	4,934	8.97%
02-5-06-57090 Election	Election Related Expenses	0	0	0	0	0	0	0	0	
	Beaumont Basin Watermaster	60,000 2	0 (25,451 2	0	0	0	20,170	45,621	76.03%
02-5-06-57199	susp	0	0	0	0	(12,/55)	12,755	0	0	
	AUMINIS I KATION TO LALS	3,682,486	840,324	357,847	319, 584	298,700	4/4,9/0	241,110	2,532,535	68. <i>11</i> %

FY 2016 - Water Expenses

ACCOUNT#	ACCOUNT# DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '15	Nov '15	Dec '15	Jan '16	Feb '16	Year to Date	Percentage YTD
02-5-40-57201	02-5-40-57201 Debt Srv-Series 2015A Princ.(25009)	980,000	980,000	0	0	0	0	0	980,000	100.00%
02-5-40-57402	02-5-40-57402 Interest-Long-Term Debt Bonds	1,314,014	673,457	0	0	0	0	640,556	1,314,014	100.00%
	40 - Debt	2,294,014	1,653,457	0	0	0	0	640,556	2,294,014	100.00%
02-5-40-57001	02-5-40-57001 Asset Acq, - Water Resources	0	0	0	0	0	0	0	0	I
02-5-40-57003	02-5-40-57003 Asset Acq, - Public works	0	0	0	0	0	0	0	0	
02-5-40-57006	02-5-40-57006 Asset Acq Administration	0	0	0	0	0	0	0	0	ł
	40 - Capital Outlay	0	0	0	0	0	0	0	0	1
			4,054,974						8,866,774	
	TOTAL WATER EXPENSES	13,412,500	4,054,974	955,756	812,555	847,884	922,787	1,272,819	8,866,774	66.11%

FY 2016 - Water Expenses

Q3-502-50010 Labor.S Treatment Q86,300 158,674 Q1,656 66,082 66,082 66,083 60,026 66,083 64,046 Q3-502-50013 Benefits-Life 7,000 12,943 7,482 5,385 4,980 5,341 4,382 7,102 14,122 14,124 Q3-502-50014 Benefits-Life 200,000 47,584 17,176 9,701 15,010 14,722 149,164 Q3-502-50014 Benefits-Heath/Defict 200,000 47,584 17,176 9,701 14,97 3,930 5,946 26,568 Q3-502-50013 Benefits-PERS 15,000 14,935 6,295 4,197 4,197 4,197 3,193 3,163 2,163 Q3-502-50013 Benefits-PERS 17,000 14,335 6,295 4,197 4,197 4,197 3,196 2,170 Q3-502013 Benefits-PERS 10,000 14,335 6,295 4,197 4,197 4,197 3,196 2,170 Q3-502-50013 Benefits-PERS 10,	ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '15	Nov '15	Dec '15	Jan '16	Feb '16	Year to Date	Percentage YTD
75,000 $12,943$ $7,482$ $5,386$ $4,990$ $5,394$ $4,988$ $41,182$ $75,000$ 942 302 310 313 310 $2,486$ $15,000$ $47,536$ $17,176$ $9,701$ $15,010$ $15,010$ $14,722$ $119,154$ $15,000$ $2,472$ $1,189$ 864 $7,02$ 897 $7,102$ $7,102$ $15,000$ $1,656$ $5,903$ $3,954$ $4,013$ $5,646$ $26,598$ $3,87$ $130,000$ $1,465$ $5,903$ $3,954$ $4,197$ $4,197$ $3,248$ $3,2149$ $130,000$ $1,463$ $5,903$ $4,197$ $4,197$ $3,249$ $3,261$ $3,887$ $130,000$ $1,463$ $5,903$ $4,197$ $4,197$ $3,264$ $3,267$ $3,887$ $130,000$ $137,313$ $4,087$ $5,021$ $4,197$ $3,223$ $3,267$ $3,887$ $2,400$ $13,731$ $4,087$ $5,021$ $4,509$ $17,068$ $1,437$ $3,267$ $2,25,000$ $137,313$ $4,087$ $5,021$ $4,5509$ $17,068$ $1,437$ $3,267$ $2,25,000$ $137,313$ $4,087$ $5,021$ $25,690$ $1,106$ $28,664$ $3,266$ $2,25,000$ $137,313$ $4,087$ $5,017$ $3,905$ $21,438$ $3,267$ $2,25,000$ $137,313$ $2,012$ $2,013$ $2,016$ $28,664$ $1,437$ $2,000$ $2,010$ $2,012$ $2,012$ $2,021$ $21,431$ $21,432$ <t< td=""><td>03-5-02-50010</td><td>Labor-S Treatment</td><td>985,300</td><td>158,574</td><td>91,656</td><td>65,988</td><td>60,926</td><td>66,092</td><td>60,831</td><td>504,066</td><td>51.16%</td></t<>	03-5-02-50010	Labor-S Treatment	985,300	158,574	91,656	65,988	60,926	66,092	60,831	504,066	51.16%
5,000 942 302 310 303 310 $2,486$ $200,000$ $47,536$ $17,176$ $9,701$ $15,010$ $14,722$ $119,154$ $19,154$ $15,000$ $2,472$ $1,189$ 864 731 949 897 $7,102$ $7,102$ $45,000$ $7,989$ 781 $4,084$ $4,013$ $5,646$ $26,598$ $7,102$ $15,000$ $10,655$ $5,903$ $3,954$ $3,954$ $3,954$ $3,954$ $3,954$ $3,249$ $32,149$ $130,000$ $10,655$ $5,903$ $3,954$ $3,954$ $3,954$ $3,956$ $3,749$ $32,149$ $130,000$ $11,483$ $6,295$ $4,197$ $4,197$ $4,197$ $4,197$ $34,565$ $130,000$ $11,483$ $6,295$ $4,197$ $4,197$ $4,197$ $34,565$ $25,000$ $11,433$ $6,295$ $4,197$ $4,197$ $4,197$ $34,565$ $25,000$ $11,433$ $6,292$ $4,197$ $4,197$ $34,565$ $25,000$ $137,313$ $40,874$ $5,723$ 3223 $22,674$ $25,000$ $137,313$ $40,874$ $5,723$ 2323 $22,674$ $25,000$ $137,313$ $40,874$ $25,693$ $24,148$ $25,000$ $137,313$ $40,874$ $27,504$ $1,946$ $29,664$ $25,000$ $137,313$ $40,874$ $27,504$ $1,946$ $22,674$ $25,000$ $137,313$ $40,874$ $27,504$ $1,946$ $29,664$ $25,000$ <td< td=""><td>03-5-02-50013</td><td>Benefits-Fica</td><td>75,000</td><td>12,943</td><td>7,482</td><td>5,385</td><td>4,990</td><td>5,394</td><td>4,988</td><td>41,182</td><td>54.91%</td></td<>	03-5-02-50013	Benefits-Fica	75,000	12,943	7,482	5,385	4,990	5,394	4,988	41,182	54.91%
200,00047,536 $17,176$ $9,701$ $15,010$ $14,722$ $119,154$ $15,000$ $2,472$ $1,189$ 864 731 949 897 $7,102$ $45,000$ $7,989$ 781 $4,084$ $4,013$ $5,646$ $26,598$ $60,000$ $10,655$ $5,903$ $3,954$ $3,954$ $3,953$ $3,749$ $32,149$ $80,000$ $10,655$ $5,903$ $3,954$ $3,954$ $3,954$ $3,954$ $3,954$ $3,954$ $130,000$ $11,483$ $6,295$ $4,197$ $4,197$ $4,197$ $34,565$ $1,700$ $11,483$ $6,295$ $4,197$ $4,197$ $34,564$ $34,564$ $130,000$ $11,483$ $6,296$ $4,197$ $4,197$ $34,565$ $34,66$ $225,000$ $11,483$ $6,296$ $4,197$ $4,197$ $34,566$ $34,564$ $225,000$ $137,313$ $40,879$ $56,021$ $45,509$ $1,906$ $21,446$ $225,000$ $137,323$ $20,170$ $20,216$ $23,661$ $26,616$ $225,000$ $23,231$ $40,870$ $21,460$ $21,436$ $23,440$ $226,000$ $8,133$ $20,170$ $20,216$ $20,216$ $23,661$ $226,000$ $81,339$ $21,120$ $25,646$ $21,436$ $23,661$ $226,000$ $81,332$ $21,120$ $25,161$ $20,216$ $23,461$ $226,000$ $81,332$ $21,120$ $21,120$ $21,120$ $21,120$ $200,000$ $81,332$ $21,120$ 21	03-5-02-50014	Benefits-Life Insurance	5,000	942	302	310	309	313	310	2,486	49.72%
15,000 $2,472$ $1,189$ 864 731 949 897 $7,102$ 45,000 $7,989$ 781 $4,084$ $4,013$ $5,646$ $26,598$ $80,000$ $10,655$ $5,903$ $3,954$ $3,935$ $3,749$ $26,598$ $130,000$ $11,483$ $6,295$ $4,197$ $4,197$ $4,197$ $4,197$ $32,149$ $4,500$ 897 926 $3,251$ $2,261$ $32,439$ $32,149$ $32,149$ $5,000$ 897 826 $4,97$ $4,197$ $4,197$ $4,197$ $34,565$ $5,000$ 897 928 323 323 323 324 $32,443$ $225,000$ $137,313$ $40,879$ $56,021$ $45,509$ $17,068$ $1,948$ $296,740$ $225,000$ $137,313$ $40,879$ $5,177$ 3390 $5,320$ $9,115$ $236,740$ $225,000$ $137,313$ $40,879$ $5,177$ 3390 $5,320$ $9,115$ $236,743$ $225,000$ $81,333$ $21,102$ $5,177$ 3390 $5,320$ $9,115$ $236,743$ $490,000$ $81,333$ $21,102$ $25,164$ $27,616$ $21,433$ $24,443$ $5,000$ $81,353$ $21,102$ $25,86$ $24,413$ $17,274$ $11,000$ $81,353$ $21,122$ $25,86$ $21,1845$ $59,367$ $50,000$ $266,263$ $79,28$ $27,616$ $21,438$ $59,372$ $11,5,000$ $266,263$ $79,28$ $27,616$ $27,616$	03-5-02-50016	Benefits-Health\Defrd Comp	200,000	47,536	17,176	9,701	15,010	15,010	14,722	119,154	59.58%
45,0007,9807814,0844,0844,0135,64626,59860,00010,6555,9033,9543,9543,9353,74932,1497130,00011,4836,2954,1974,1974,1974,19734,56574,0089798732,325612263,88775,0008977142005,1733232232612,43772,4007142006,50145,50917,0681,948298,74072,40081,3335,31740,87956,02145,50917,0681,948298,74072,500137,31340,87956,02145,50917,0681,948298,74072,50081,33321,10226,86427,734,9059,11528,66175,00081,33321,10226,86427,74,5059,11528,61475,00081,33321,10226,86427,61534,9059,11528,64175,00081,33321,10226,86427,74,23620,1324,44375,00081,33321,10226,86457,5019,1524,44324,4376,00081,3569392774,2779,0519,96621,84376,00083,56379,48656,16159,377585,54317,2747115,00083,56821,82379,2824,4317,2747115,00086,56821,82323,57924,87	03-5-02-50017	Benefits-Disability Insurance	15,000	2,472	1,189	864	731	949	268	7,102	47.35%
60,000 $10,655$ $5,903$ $3,954$ $3,935$ $3,749$ $32,149$ $130,000$ $11,483$ $6,295$ $4,197$ $4,197$ $4,197$ $4,197$ $34,565$ $130,000$ $11,483$ $6,295$ $4,197$ $4,197$ $4,197$ $34,565$ $3,887$ $130,000$ 997 987 323 2261 226 $3,887$ $34,565$ $130,000$ 897 714 200 $65,201$ $45,509$ $17,068$ $1,948$ $298,740$ $22,600$ $137,313$ $40,879$ $56,021$ $45,509$ $17,068$ $1,948$ $298,740$ $225,000$ $81,333$ $21,102$ $26,864$ $27,7616$ $34,905$ $9,115$ $238,740$ $65,000$ $81,333$ $21,102$ $26,864$ $27,7616$ $34,905$ $9,116$ $21,433$ $1400,000$ $81,333$ $21,102$ $26,864$ $27,7616$ $34,905$ $9,115$ $236,614$ $5,000$ $81,333$ $21,102$ $26,864$ $27,7616$ $21,948$ $29,740$ $24,443$ $5,000$ $81,333$ $21,102$ $26,864$ $27,7616$ $21,843$ $21,843$ $24,443$ $5,000$ $83,503$ $93,261$ $4,277$ $9,261$ $65,317$ $26,372$ $26,372$ $24,443$ $5,000$ $83,000$ $8,233$ $74,23$ $24,236$ $20,21$ $41,236$ $21,433$ $5,000$ $83,000$ $83,263$ $74,23$ $24,236$ $20,21$ $21,436$ $21,432$ $5,000$ $83,$	03-5-02-50019	Benefits-Workers Compensation	45,000	7,989	781	4,084	4,084	4,013	5,646	26,598	59.11%
130,000 $11,483$ $6,295$ $4,197$ $4,197$ $4,197$ $34,565$ ay $5,000$ 968 325 $1,753$ 353 261 226 $3,87$ ay $5,000$ 897 484 323 323 261 $2,66$ $3,87$ ay $2,400$ 714 200 $8,731$ $4,879$ $56,021$ $4,509$ $17,068$ $1,437$ ay $225,000$ $137,313$ $4,0879$ $56,021$ $45,509$ $17,068$ $1,437$ $2,6414$ ay ay $3,233$ $21,102$ $26,864$ $27,615$ $34,905$ $9,115$ $28,641$ ay ay $3,231$ $21,102$ $26,864$ $27,615$ $34,905$ $9,115$ $28,641$ ay <t< td=""><td>03-5-02-50021</td><td>Benefits-PERS</td><td>60,000</td><td>10,655</td><td>5,903</td><td>3,954</td><td>3,954</td><td>3,935</td><td>3,749</td><td>32,149</td><td>53.58%</td></t<>	03-5-02-50021	Benefits-PERS	60,000	10,655	5,903	3,954	3,954	3,935	3,749	32,149	53.58%
ay $4,500$ 968 325 $1,753$ 353 261 226 $3,887$ ay $5,000$ 897 897 484 323 323 323 $2,671$ $3,887$ ay $2,400$ 714 200 897 484 323 323 323 $2,671$ $3,697$ $2,2000$ 714 200 716 $7,063$ $1,948$ $2,86,41$ $2,671$ $3,93,400$ $1,437$ $65,000$ $3,298$ $5,361$ $5,177$ 3900 $5,320$ $9,115$ $28,641$ $2,7615$ $34,905$ $9,145$ $28,641$ $65,000$ $8,333$ $21,102$ $26,864$ $27,615$ $34,905$ $9,115$ $28,641$ $21,845$ $65,000$ $8,1333$ $21,102$ $26,864$ $27,615$ $34,905$ $9,115$ $28,641$ $65,000$ $8,1333$ $21,102$ $26,864$ $27,615$ $34,905$ $9,115$ $28,641$ $65,000$ $8,1333$ $21,102$ $26,864$ $27,615$ $34,905$ $9,116$ $21,845$ $5,000$ $8,1332$ $21,102$ $26,864$ $27,615$ $2,051$ $9,115$ $28,641$ $5,000$ $8,1332$ $21,102$ $26,864$ $27,616$ $21,845$ $29,654$ $21,443$ $5,000$ $8,1357$ $9,237$ $9,237$ $9,631$ $59,543$ $17,274$ $5,000$ $13,557$ $4,276$ $26,418$ $26,487$ $59,543$ $59,563$ $5,000$ $13,000$ $13,357$ $4,276$ $26,487$	03-5-02-50022	Benefits-PERS Employer	130,000	11,483	6,295	4,197	4,197	4,197	4,197	34,565	26.59%
ay5,0008974843233233233232,671a2,4007142000524001,4372,437b2,25,000137,31340,87956,02145,50917,0681,948298,740b65,0003,2985,3615,1773905,3209,11528,661b65,0003,29321,10226,86427,61534,9059,11528,641b5,00081,39321,10226,86427,61534,9059,11528,641b5,00081,39321,10226,86427,61534,9059,11528,641b5,00081,39321,10226,86427,61534,9059,11528,443b30,0008,85693327,1024,2362,0519,1524,433b115,00081,3579,2319,23510,4969,63159,372b115,00013,3574,2779,08613,05710,4969,63159,305b115,00013,3574,27223,57924,14826,4879,63159,905b115,00013,3574,2729,08613,05710,4969,63159,905b115,00013,3574,27221,48226,41826,48759,543b115,00013,3574,27227,852786,48756,91759,503b115,00013,357 <t< td=""><td>03-5-02-50023</td><td>Benefits-Uniforms</td><td>4,500</td><td>968</td><td>325</td><td>1,753</td><td>353</td><td>261</td><td>226</td><td>3,887</td><td>86.37%</td></t<>	03-5-02-50023	Benefits-Uniforms	4,500	968	325	1,753	353	261	226	3,887	86.37%
2,400 714 200 0 524 0 0 $1,437$ 1437 $225,000$ $137,313$ $40,879$ $56,021$ $45,509$ $17,068$ $1,948$ $298,740$ $65,000$ $3,238$ $5,361$ $5,171$ 390 $5,320$ $9,115$ $28,661$ $65,000$ $3,233$ $21,102$ $26,864$ $27,615$ $34,905$ $9,115$ $28,661$ $8,900$ $81,333$ $21,102$ $26,864$ $27,615$ $34,905$ $9,115$ $28,661$ $5,000$ $81,333$ $21,102$ $26,864$ $27,615$ $34,905$ $9,165$ $24,443$ $5,000$ $81,333$ $21,102$ $26,864$ $27,615$ $34,905$ $9,156$ $21,843$ $5,000$ $8,856$ 939 $27,71$ $4,277$ $9,051$ $9,157$ $9,152$ $28,443$ $5,000$ $266,263$ $79,486$ $56,816$ $57,501$ $66,105$ $69,372$ $585,643$ $5,000$ $266,263$ $79,486$ $56,816$ $57,501$ $66,105$ $59,372$ $585,643$ $5,000$ $266,263$ $7,272$ $23,579$ $24,148$ $26,487$ $59,905$ $5,000$ $13,557$ $4,277$ $9,086$ $13,057$ $10,496$ $9,631$ $59,905$ $5,001,000$ $68,598$ $21,823$ $23,579$ $24,487$ $9,631$ $59,905$ $5,001,000$ $0,0161$ $0,016$ $0,016$ $0,016$ $0,016$ $0,016$ $0,016$ $5,001,000$ $0,026$ $24,148$ 2	03-5-02-50024	Benefits-Vacation & Sick Pay	5,000	897	484	323	323	323	323	2,671	53.43%
225,000 $137,313$ $40,879$ $56,021$ $45,509$ $17,068$ $1,948$ $298,740$ $65,000$ $3,298$ $5,361$ $5,177$ 390 $5,320$ $9,115$ $28,661$ $490,000$ $81,333$ $21,102$ $26,864$ $27,615$ $34,905$ $9,115$ $28,661$ $5,000$ $81,333$ $21,102$ $26,864$ $27,615$ $34,905$ $9,165$ $24,443$ $5,000$ $8,356$ 939 277 $4,236$ $2,051$ 915 $17,274$ $30,000$ $8,856$ 939 277 $4,236$ $2,051$ 915 $17,274$ $56,263$ $79,486$ $56,816$ $57,501$ $66,105$ $59,372$ $585,643$ $50,000$ $266,263$ $79,486$ $56,816$ $57,501$ $66,105$ $59,372$ $585,643$ $50,000$ $266,263$ $79,486$ $56,816$ $57,501$ $66,105$ $59,372$ $585,643$ $50,000$ $266,263$ $79,486$ $56,816$ $7,501$ $66,105$ $59,372$ $585,643$ $50,000$ $266,263$ $79,286$ $7,276$ $70,96$ $59,372$ $585,643$ $50,0100$ $68,598$ $21,822$ $23,579$ $24,418$ $27,671$ $59,305$ $50,0100$ $68,598$ $21,822$ $23,579$ $24,48$ $70,76$ $56,372$ $585,643$ $50,0100$ $68,598$ $21,822$ $70,645$ $26,491$ $27,573$ 517 $517,673$ $50,0145$ $376,926$ $206,491$ $306,492$ $284,$	03-5-02-50025	Benefits-Boot Allowance	2,400	714	200	0	524	0	0	1,437	59.89%
(65,000) $3,298$ $5,361$ $5,177$ 390 $5,320$ $9,115$ $28,661$ (7) </td <td>03-5-02-51003</td> <td>R&M - Structures</td> <td>225,000</td> <td>137,313</td> <td>40,879</td> <td>56,021</td> <td>45,509</td> <td>17,068</td> <td>1,948</td> <td>298,740</td> <td>132.77%</td>	03-5-02-51003	R&M - Structures	225,000	137,313	40,879	56,021	45,509	17,068	1,948	298,740	132.77%
(490,000 81,393 21,102 26,864 27,615 34,905 19,966 21,1845 24,443 24,133 24,102 23,940 16,127 0 2,020 24,443 24,443 24,443 24,443 24,443 24,443 24,443 24,443 24,443 24,443 24,443 24,443 24,443 24,443 24,443 24,443 26,516 24,443 24,443 26,516 24,443 24,443 26,516 24,443 24,443 26,516 24,443 26,433	03-5-02-51010	R&M - Automation Control	65,000	3,298	5,361	5,177	390	5,320	9,115	28,661	44.09%
(5,000) 2,357 (0) 3,940 (6,127) (0) 2,020 24,443 (413) Expenses 30,000 8,856 939 277 4,236 2,051 915 17,274 Expenses 1,000 8,856 939 277 4,236 2,051 915 17,274 Expenses 1,000 8,86 331 321 321 6,05 6,05 6,05 6,05 6,05 6,05 6,05 6,05 6,05 59,37 585,543 585,543 585,543 585,543 59,05 59,05 585,543 56,816 51,057 10,496 9,631 59,905 56,905 59,905 59,905 59,905 59,905 59,905 56,914 57,671 51,048 27,571 51,673 51,673 51,673 51,673 51,673 51,673 51,673 51,673 51,673 51,673 51,673 51,673 51,673 51,673 51,673 51,673 51,673 51,633 51,673 51,673	03-5-02-51106	Chemicals	490,000	81,393	21,102	26,864	27,615	34,905	19,966	211,845	43.23%
30,000 8,856 939 277 4,236 2,051 915 915 Expenses 1,000 88 31 321 0 0 65 65 66 67 915 915 915 shases 1,000 88 31 321 0 0 0 65 65 66 66 65 95	03-5-02-51111	Propane	5,000	2,357	0	3,940	16,127	0	2,020	24,443	488.87%
Expenses 1,000 88 31 321 0 0 65 73 73 73 73 75 74 85 74 74 76 96 75 74 76 96 75	03-5-02-51115	Laboratory Supplies	30,000	8,856	939	277	4,236	2,051	915	17,274	57.58%
chases 830,000 266,263 79,486 56,816 57,501 66,105 59,372 1 115,000 13,357 4,277 9,086 13,057 10,496 9,631 9,631 1 10,496 9,631 1 10,496 9,631 1 <td>03-5-02-51140</td> <td>General Supplies & Expenses</td> <td>1,000</td> <td>88</td> <td>31</td> <td>321</td> <td>0</td> <td>0</td> <td>65</td> <td>504</td> <td>50.41%</td>	03-5-02-51140	General Supplies & Expenses	1,000	88	31	321	0	0	65	504	50.41%
115,000 13,357 4,277 9,086 13,057 10,496 9,631 300,000 68,598 21,823 23,579 24,148 25,487 0 enses 201,616 133 1,202 27,852 786 128 27,571 enses 201,616 133 1,202 27,852 786 128 27,571 enses 378,816 836,828 306,894 306,492 284,767 262,045 26,491	03-5-02-51210	Utilities - Power Purchases	830,000	266,263	79,486	56,816	57,501	66,105	59,372	585,543	70.55%
Sludge Disposal 300,000 68,598 21,823 23,579 24,148 25,487 0 Brine Operating Expenses 201,616 133 1,202 27,852 786 128 27,571 Rine Operating Expenses 201,616 133 1,202 27,852 786 128 27,571 Rine Operating Expenses 3,789,816 836,828 306,494 306,492 284,767 262,045 226,491	03-5-02-54110	Laboratory Services	115,000	13,357	4,277	9,086	13,057	10,496	9,631	206'62	52.09%
Brine Operating Expenses 201,616 133 1,202 27,852 786 128 27,571 The Operating Expenses 3,789,816 836,828 306,894 306,492 284,767 262,045 26,491		Sludge Disposal	300,000	68,598	21,823	23,579	24,148	25,487	0	163,634	54.54%
TALS 3,789,816 836,828 306,894 306,492 284,767 262,045 226,491		Brine Operating Expenses	201,616	133	1,202	27,852	786	128	27,571	57,673	28.61%
TALS 3,789,816 836,828 306,894 306,492 284,767 262,045 266,491											
			3,789,816	836,828	306,894	306,492	284,767	262,045	226,491	2,223,517	58.67%

FY 2016 - Sewer Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '15	Nov '15	Dec '15	Jan '16	Feb '16	Year to Date	Percentage YTD
03-5-06-50010	Labor-Administration	660,000	121,015	67,179	45,241	35,520	43,591	43,580	356,127	53.96%
03-5-06-50011	Labor Credit	0	2,252	0	2,925	0	0	0	5,177	
03-5-06-50012	Directors Fees	19,000	3,216	2,144	1,742	492	871	1,900	10,366	54.56%
03-5-06-50013	Benefits-Fica	43,000	9,417	5,101	3,004	2,643	3,949	3,998	28,111	65.38%
03-5-06-50014	Benefits-Life Insurance	3,600	650	211	217	182	222	214	1,695	47.08%
03-5-06-50016	Benefits-Health\Defrd Comp	145,000	33,900	14,049	12,495	12,398	12,119	11,602	96,564	66.60%
03-5-06-50017	Benefits-Disability Insurance	7,500	1,504	608	387	355	611	603	4,069	54.25%
03-5-06-50019	Benefits-Workers Compensation	27,500	2,000	181	1,000	1,000	1,000	2,000	182,7	28.30%
03-5-06-50021	Benefits-PERS	36,000	8,290	4,640	3,093	3,093	3,093	3,093	25,302	70.28%
03-5-06-50022	Benefits PERS Employer	75,000	8,483	4,748	3,165	3,165	3,165	3,165	25,892	34.52%
03-5-06-50023	Benefits-Uniforms	2,000	205	84	246	113	02	61	827	38.90%
03-5-06-50024	Benefits-Vacation & Sick Pay	10,000	3,009	1,534	888	943	1,090	715	8,179	81.79%
03-5-06-50025	03-5-06-50025 Benefits-Boot Allowance	1,740	0	0	0	0	0	0	0	0.00%
03-5-06-51120	Safety Equipment/Supplies	10,000	1,706	0	1,197	1,060	2,959	0	6,922	69.22%
03-5-06-51125		22,500	4,621	1,000	1,000	1,000	1,268	3,413	12,301	54.67%
03-5-06-51130		4,000	2,282	211	338	329	61	29	3,209	80.22%
03-5-06-51140		17,500	851	6,387	1,450	1,262	5,780	99	15,786	90.21%
03-5-06-51199		0	33,643	0	3,307	0	0	0	36,949	
03-5-06-54002	Dues & Subscriptions	10,000	1,240	3,045	656	1,115	3,544	164	6,763	97.63%
03-5-06-54003	Management & Admin Services	160,000	39,994	13,334	13,334	13,334	13,334	13,334	106,664	66.67%
03-5-06-54005		95,000	20,363	15,120	1,460	13,698	2,442	009	53,684	56.51%
03-5-06-54011	Printing & Publications	1,500	413	81	0	0	0	0	464	32.93%
03-5-06-54012	Education & Training	7,000	917	158	158	158	2,508	232	4,129	58.99%
03-5-06-54014	Public Relations	7,500	467	825	0	0	0	0	1,293	17.24%
03-5-06-54016	Travel Related Expenses	5,000	1,217	816	42	42	494	622	3,231	64.62%
03-5-06-54017	Certifications & Renewals	5,000	406	340	1,658	480	496	321	3,701	74.02%
03-5-06-54019	Licenses & Permits	50,000	10,929	0	40,242	3,776	0	1,315	56,262	112.52%
03-5-06-54020	Meeting Related Expenses	5,000	538	605	30	953	59	124	2,310	46.19%
03-5-06-54024		12,500	3,161	1,054	1,054	1,054	1,054	144	7,520	60.16%
03-5-06-54025	Utilities - Telephone	20,000	4,032	1,489	1,389	1,417	1,432	0	9,758	48.79%
03-5-06-54030	Drinking Water	1,000	297	58	51	102	65	58	631	63.08%
03-5-06-54104	Contractual Services	30,000	16,251	4,791	993	13,710	7,126	2,224	45,095	150.32%
03-5-06-54107	Legal	45,000	3,760	1,275	1,784	2,266	3,300	0	12,385	27.52%
03-5-06-54108	Audit & Accounting	16,000	8,775	1,710	0	0	0	0	10,485	65.53%
03-5-06-54109	Professional Fees	150,000	50,662	31,912	23,639	18,300	8,867	2,500	135,879	90.59%
03-5-06-55500	Depreciation Reserves	500,000	124,997	41,667	41,667	41,667	41,667	41,667	333,332	66.67%
	Infrastructure Replacement	800,000	200,007	66,670	66,670	66,670	66,670	66,670	533,357	66.67%
03-5-06-56001	Insurance	105,000	24,981	8,328	8,328	8,916	8,328	8,328	67,210	64.01%
03-5-06-57030	Regulatory Compliance	42,000	1,790	0	0	0	0	0	1,790	4.26%
	ADMINISTRATION TOTALS	3 151 840	752 240	301 955	284 848	254 243	241 195	212 731	2 044 181	64 86%
		v-v-,v-v	1 26,572	202,120	1 250,502	111,171	271,100	212,121		2,00,40

FY 2016 Sewer Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '15	Nov '15	Dec '15	Jan '16	Feb '16	Year to Date	Percentage YTD
03-5-07-50010		310,000	82,457	43,991	31,864	30,771	37,119	36,410	262,612	84.71%
03-5-07-50011	Labor Credit	0	(310)	0	(916)	0	0	0	(1,225)	
03-5-07-50013	Benefits-Fica	28,000	6,482	3,498	2,503	2,415	2,889	2,834	20,622	73.65%
03-5-07-50014	Benefits-Life Insurance	2,000	426	139	142	142	297	203	1,349	67.43%
03-5-07-50016		75,000	26,352	9,851	8,978	8,978	12,449	12,733	79,341	105.79%
03-5-07-50017	Benefits-Disability Insurance	4,500	1,175	561	437	379	613	513	3,679	81.75%
03-5-07-50019	Benefits-Workers Compensation	30,000	2,394	781	1,286	1,286	1,500	4,332	11,580	38.60%
03-5-07-50021	Benefits-PERS	20,000	4,823	2,749	1,832	1,832	1,495	1,823	14,555	72.77%
03-5-07-50022	Benefits-PERS Employer	45,000	4,935	2,813	1,875	1,875	2,284	2,279	16,062	35.69%
03-5-07-50023	Benefits-Uniforms	2,000	320	105	1,386	190	132	128	2,261	113.06%
03-5-07-50024		2,000	463	253	169	169	365	365	1,784	89.18%
03-5-07-50025	Benefits-Boot Allowance	800	157	0	199	0	0	0	356	44.52%
03-5-07-51003	R&M - Structures	270,000	31,041	20,728	8,153	13,897	13,816	7,114	94,749	35.09%
03-5-07-51140	General Supplies & Expenses	1,000	34	172	147	9	497	0	857	85.67%
03-5-07-51241	Lift Station #1	85,000	17,711	6,839	5,517	3,309	3,299	3,249	39,924	46.97%
03-5-07-51242	Lift Station #2	15,000	4,874	2,826	1,770	749	1,076	985	12,281	81.87%
03-5-07-51243		5,000	780	1,154	214	210	221	183	2,760	55.21%
03-5-07-51244	Lift Station #4	20,000	7,700	4,046	468	10,493	4,386	290	27,684	138.42%
03-5-07-51248		3,000	145	58	49	48	52	45	395	13.18%
03-5-07-54109	Professional Fees	60,000	6,662	3,287	7,038	2,795	2,871	2,048	24,700	41.17%
03-5-07-54110	Laboratory Services	4,000	0	0	1,185	438	0	0	1,623	40.58%
			0							
	ENVIRONMENTAL CONTROL TOTAL	982,300	198,623	103,851	74,297	79,981	85,360	75,834	617,947	62.91%
03-5-40-57202	Deht Service - Princinal - WRWRF	2 097 629	2 097 629		C	C	C	C	2 097 629	100 00%
03-5-40-57203		401.939	0			401.939	0		401,939	100.00%
03-5-40-57204	Debt Service - Principal - W	125,600	0	0	0	0	0	0	0	0.00%
03-5-40-57205	Debt Service - Principal - R 10.3	36,663	0	0	0	0	0	0	0	0.00%
03-5-40-57206	Debt Service - Principal - Crow & B12-1	18,357	0	0	0	0	0	0	0	0.00%
03-5-40-57403	Debt Service - Interest	1,215,856	826,039	0	0	247,335	0	0	1,073,374	88.28%
	40 - Debt	3,896,044	2,923,669	0	0	649,274	0	0	3,572,942	91.71%
03-5-40-57002	Asset Acq Treatment	0	0	0	0	0	0	0	0	
03-5-40-57006	03-5-40-57006 Asset Acq Administration	0	0	0	0	0	0	0	0	
03-5-40-57007	Asset Acq EC (ADS flow monitors & smart covers)	0	0	0	0	66,409	0	0	66,409	
	40 - Capital Outlay	0	0	0	0	66,409	0	0	66,409	
			4,711,360						8,524,997	
	TOTAL SEWER EXPENSES	11,820,000	4,711,360	712,700	665,637	1,331,644	588,600	515,055	8,524,997	72.12%

FY 2016 - Sewer Expenses

ACCOUNT#	DESCRIPTION	BUDGET	Qtr 1 Totals	Oct '15	Nov '15	Dec '15	Jan '16	Feb '16	Year to Date	Percentage YTD
04-5-06-50010	Labor-Recycled Water	226,630	45,474	21,977	15,398	15,948	13,862	15,883	128,541	56.72%
04-5-06-50012	Director Fees	2,500	0	0	0	2,500	0	0	2,500	100.00%
04-5-06-50013	Benefits-FICA	5,000	3,609	1,695	1,128	942	1,169	1,337	9,880	197.61%
04-5-06-50014	Benefits-Life Insurance	250	(9)	(4)	(2)	(2)	(2)	(2)	(17)	-6.96%
04-5-06-50016	Benefits-Health & Def Comp	15,000	6,356	2,563	2,136	2,136	2,105	2,263	17,559	117.06%
04-5-06-50017	Benefits-Disability Insurance	500	409	179	81	64	138	157	1,028	205.59%
04-5-06-50019	Benefits-Workers Compensation	3,000	394	781	197	197	197	500	2,266	75.52%
04-5-06-50021	Benefits-PERS Employee	2,200	327	183	122	122	122	56	932	42.36%
04-5-06-50022	Benefits-PERS Employer	5,000	335	187	125	125	125	228	1,124	22.49%
04-5-06-50023	Benefits-Uniforms	200	178	75	775	75	62	58	1,222	611.07%
04-5-06-50024	Benefits-Vacation & Sick Pay	500	81	60	47	33	84	84	388	77.67%
04-5-06-50025		250	0	0	0	0	0	0	0	0.00%
04-5-06-51003	R & M-Structures	50,000	3,377	396	0	15,796	0	87	19,656	39.31%
04-5-06-51020	R & M-Pipelines	7,500	0	0	335	1,506	1,087	24	2,951	39.35%
04-5-06-51021	R & M-Service Lines	15,000	701	147	З	348	0	0	1,199	7.99%
04-5-06-51022	R & M-Fire Hydrants	5,000	0	0	0	0	0	0	0	0.00%
04-5-06-51030	R & M-Meters	1,500	5,701	12,010	2,084	4,824	924	68	25,611	1707.40%
04-5-06-51140	General Supplies & Expenses	250	58	0	262	235	1,275	0	1,829	731.60%
04-5-06-51210	Utilities-Power Purchasess	77,720	586	288	288	288	288	268	2,007	2.58%
04-5-06-54002	Dues & Subscriptions	4,000	40	0	0	412	3,104	0	3,556	88.90%
04-5-06-54005	Computer Expense	5,000	355	3,084	0	2,781	0	0	6,220	124.39%
04-5-06-54011	Printing & Publications	1,000	122	0	0	0	0	0	122	12.25%
04-5-06-54012	Education & Training	3,500	185	35	1,225	35	465	12	1,957	55.91%
04-5-06-54014	Public Relations	3,500	104	724	0	46	0	0	873	24.95%
04-5-06-54016	Travel Related Expenses	2,000	0	250	1,664	0	110	1,524	3,548	177.42%
04-5-06-54017	Certifications & Renewals	250	0	0	0	0	0	800	800	320.00%
04-5-06-54019	Licenses & Permits	2,500	0	8,185	23,378	0	0	0	31,564	1262.55%
04-5-06-54020	Meeting Related Expenses	250	30	0	0	184	0	63	277	110.98%
04-5-06-54025	Telephone	750	419	140	140	140	140	0	978	130.40%
04-5-06-54010	Contractural Services	1,500	2,718	19	14	18	824	0	3,594	239.59%
04-5-06-54107	Legal	1,000	788	563	750	1,200	188	0	3,488	348.75%
04-5-06-54108	Audit & Accounting	0	1,950	380	0	0	0	0	2,330	
04-5-06-54109	Professional Fees	25,000	32,090	4,606	15,427	32,051	9,403	0	93,576	374.30%
04-5-06-54110	Laboratory Services	1,000	0	0	0	0	0	0	0	0.00%
04-5-06-55500	Depreciation	8,000	1,970	670	670	670	670	670	5,320	66.50%
	Infrastructure Replacement	25,000	6,249	2,083	2,083	2,083	2,083	0	14,581	58.33%
04-5-06-57030	Regulatory Compliance	25,000	27	154	4,735	557	0	136	5,608	22.43%
04-5-06-57040	Environmental Compliance	10,000	0	0	0	0	0	0	0	0.00%
			114,624						397,069	
	TOTAL RECYCLED EXPENSES	537,250	114,624	61,432	73,064	85,313	38,421	24,215	397,069	73.91%

FY 2016 - Recycled Expenses

Director Comments



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Adjournment



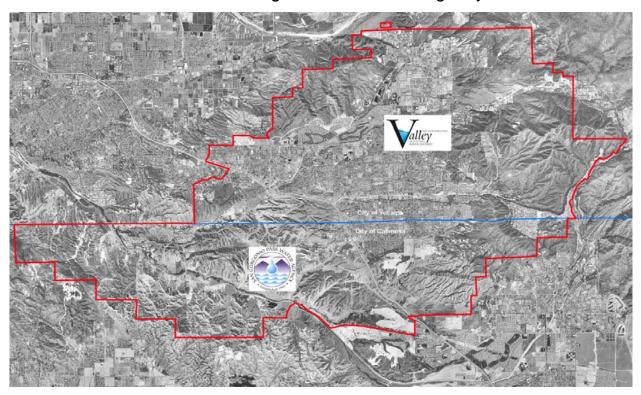
Yucaipa Valley Water District - March 8, 2016 - Page 227 of 235



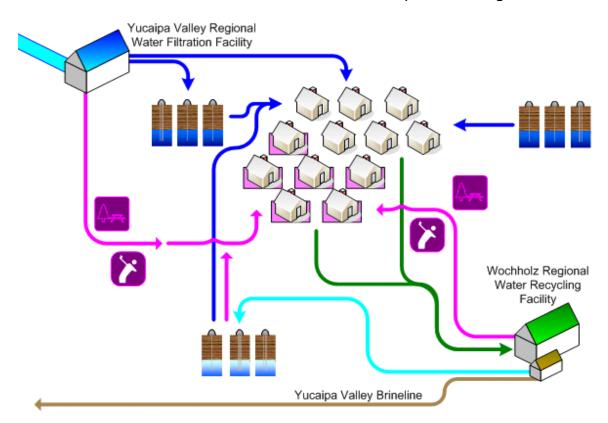
FACTS ABOUT THE YUCAIPA VALLEY WATER DISTRICT

Service Area Size:	40 square miles (sphere of influence is 68 square miles)
Elevation Change:	3,140 foot elevation change (from 2,044 to 5,184 feet)
Number of Employee	es: 5 elected board members 62 full time employees
Operating Budget:	Water Division - \$13,397,500 Sewer Division - \$11,820,000 Recycled Water Division - \$537,250 Total Annual Budget - \$25,754,750
Number of Services:	12,434 water connections serving 17,179 units 13,559 sewer connections serving 20,519 units 64 recycled water connections
Water System:	 215 miles of drinking water pipelines 27 reservoirs - 34 million gallons of storage capacity 18 pressure zones 12,000 ac-ft annual water demand (3.9 billion gallons) Two water filtration facilities: 1 mgd at Oak Glen Surface Water Filtration Facility 12 mgd at Yucaipa Valley Regional Water Filtration Facility
Sewer System:	 8.0 million gallon treatment capacity - current flow at 4.0 mgd 205 miles of sewer mainlines 5 sewer lift stations 4,500 ac-ft annual recycled water prod. (1.46 billion gallons)
Recycled Water:	22 miles of recycled water pipelines 5 reservoirs - 12 million gallons of storage 1,200 ac-ft annual recycled demand (0.4 billion gallons)
Brine Disposal:	2.2 million gallon desalination facility at sewer treatment plant1.108 million gallons of Inland Empire Brine Line capacity0.295 million gallons of treatment capacity in Orange County

State Water Contractors: San Bernardino Valley Municipal Water District San Gorgonio Pass Water Agency



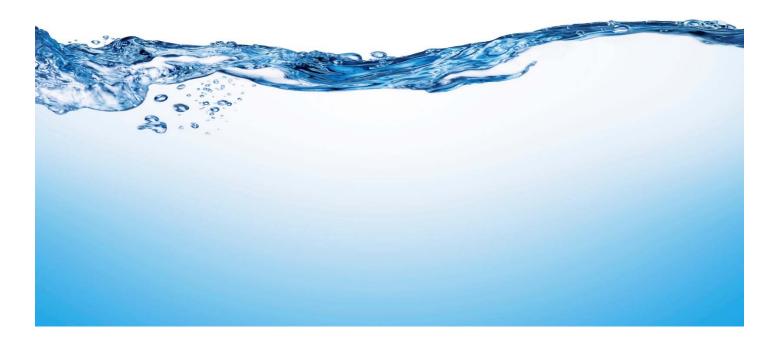
Sustainability Plan: A Strategic Plan for a Sustainable Future: The Integration and Preservation of Resources, adopted on August 20, 2008.





THE MEASUREMENT OF WATER PURITY

- **One part per hundred** is generally represented by the percent (%). This is equivalent to about fifteen minutes out of one day.
- **One part per thousand** denotes one part per 1000 parts. This is equivalent to about one and a half minutes out of one day.
- **One part per million** (**ppm**) denotes one part per 1,000,000 parts. This is equivalent to about 32 seconds out of a year.
- **One part per billion** (**ppb**) denotes one part per 1,000,000,000 parts. This is equivalent to about three seconds out of a century.
- **One part per trillion** (**ppt**) denotes one part per 1,000,000,000 parts. This is equivalent to about three seconds out of every hundred thousand years.
- **One part per quadrillion** (**ppq**) denotes one part per 1,000,000,000,000,000 parts. This is equivalent to about two and a half minutes out of the age of the Earth (4.5 billion years).





GLOSSARY OF COMMONLY USED TERMS

Every profession has specialized terms which generally evolve to facilitate communication between individuals. The routine use of these terms tends to exclude those who are unfamiliar with the particular specialized language of the group. Sometimes jargon can create communication cause difficulties where professionals in related fields use different terms for the same phenomena.

Below are commonly used water terms and abbreviations with commonly used definitions. If there is any discrepancy in definitions, the District's Regulations Governing Water Service is the final and binding definition.

Acre Foot of Water - The volume of water (325,850 gallons, or 43,560 cubic feet) that would cover an area of one acre to a depth of 1 foot.

Activated Sludge Process – A secondary biological sewer treatment process where bacteria reproduce at a high rate with the introduction of excess air or oxygen, and consume dissolved nutrients in the wastewater.

Annual Water Quality Report - The document is prepared annually and provides information on water quality, constituents in the water, compliance with drinking water standards and educational material on tap water. It is also referred to as a Consumer Confidence Report (CCR).

Aquifer - The natural underground area with layers of porous, water-bearing materials (sand, gravel) capable of yielding a supply of water; see Groundwater basin.

Backflow - The reversal of water's normal direction of flow. When water passes through a water meter into a home or business it should not reverse flow back into the water mainline.

Best Management Practices (BMPs) - Methods or techniques found to be the most effective and practical means in achieving an objective. Often used in the context of water conservation.

Biochemical Oxygen Demand (BOD) – The amount of oxygen used when organic matter undergoes decomposition by microorganisms. Testing for BOD is done to assess the amount of organic matter in water.

Biosolids – Biosolids are nutrient rich organic and highly treated solid materials produced by the sewer treatment process. This high-quality product can be used as a soil amendment on farm land or further processed as an earth-like product for commercial and home gardens to improve and maintain fertile soil and stimulate plant growth.

Catch Basin – A chamber usually built at the curb line of a street, which conveys surface water for discharge into a storm sewer.

Capital Improvement Program (CIP) – Projects for repair, rehabilitation, and replacement of assets. Also includes treatment improvements, additional capacity, and projects for the support facilities.

Collector Sewer – The first element of a wastewater collection system used to collect and carry wastewater from one or more building sewer laterals to a main sewer.

Coliform Bacteria – A group of bacteria found in the intestines of humans and other animals, but also occasionally found elsewhere and is generally used as an indicator of sewage pollution.

Combined Sewer Overflow – The portion of flow from a combined sewer system, which discharges into a water body from an outfall located upstream of a wastewater treatment plant, usually during wet weather conditions.

Combined Sewer System– Generally older sewer systems designed to convey both sewage and storm water into one pipe to a wastewater treatment plant.

Conjunctive Use - The coordinated management of surface water and groundwater supplies to maximize the yield of the overall water resource. Active conjunctive use uses artificial recharge, where surface water is intentionally percolated or injected into aquifers for later use. Passive conjunctive use is to simply rely on surface water in wet years and use groundwater in dry years.

Consumer Confidence Report (CCR) - see Annual Water Quality Report.

Cross-Connection - The actual or potential connection between a potable water supply and a non-potable source, where it is possible for a contaminant to enter the drinking water supply.

Disinfection By-Products (DBPs) - The category of compounds formed when disinfectants in water systems react with natural organic matter present in the source water supplies. Different disinfectants produce different types or amounts of disinfection byproducts. Disinfection byproducts for which regulations have been established have been identified in drinking water, including trihalomethanes, haloacetic acids, bromate, and chlorite

Drought - a period of below average rainfall causing water supply shortages.

Dry Weather Flow – Flow in a sanitary sewer during periods of dry weather in which the sanitary sewer is under minimum influence of inflow and infiltration.

Fire Flow - The ability to have a sufficient quantity of water available to the distribution system to be delivered through fire hydrants or private fire sprinkler systems.

Gallons per Capita per Day (GPCD) - A measurement of the average number of gallons of water use by the number of people served each day in a water system. The calculation is made by dividing the total gallons of water used each day by the total number of people using the water system.

Groundwater Basin - An underground body of water or aquifer defined by physical boundaries.

Groundwater Recharge - The process of placing water in an aquifer. Can be a naturally occurring process or artificially enhanced.

Hard Water - Water having a high concentration of minerals, typically calcium and magnesium ions.

Hydrologic Cycle - The process of evaporation of water into the air and its return to earth in the form of precipitation (rain or snow). This process also includes transpiration from plants, percolation into the ground, groundwater movement, and runoff into rivers, streams and the ocean; see Water cycle.

Infiltration – Water other than sewage that enters a sewer system and/or building laterals from the ground through defective pipes, pipe joints, connections, or manholes. Infiltration does not include inflow. See *Inflow*.

Inflow - Water other than sewage that enters a sewer system and building sewer from sources such as roof vents, yard drains, area drains, foundation drains, drains from springs and swampy areas, manhole covers, cross connections between storm drains and sanitary sewers, catch basins, cooling towers, storm waters, surface runoff, street wash waters, or drainage. Inflow does not include infiltration. See *Infiltration*.

Inflow / Infiltration (I/I) – The total quantity of water from both inflow and infiltration.

Mains, Distribution - A network of pipelines that delivers water (drinking water or recycled water) from transmission mains to residential and commercial properties, usually pipe diameters of 4" to 16".

Mains, Transmission - A system of pipelines that deliver water (drinking water or recycled water) from a source of supply the distribution mains, usually pipe diameters of greater than 16".

Meter - A device capable of measuring, in either gallons or cubic feet, a quantity of water delivered by the District to a service connection.

Overdraft - The pumping of water from a groundwater basin or aquifer in excess of the supply flowing into the basin. This pumping results in a depletion of the groundwater in the basin which has a net effect of lowering the levels of water in the aquifer.

Peak Flow – The maximum flow that occurs over a specific length of time (e.g., daily, hourly, instantaneously).

Pipeline - Connected piping that carries water, oil or other liquids. See Mains, Distribution and Mains, Transmission.

Point of Responsibility, Metered Service - The connection point at the outlet side of a water meter where a landowner's responsibility for all conditions, maintenance, repairs, use and replacement of water service facilities begins, and the District's responsibility ends.

Potable Water - Water that is used for human consumption and regulated by the California Department of Public Health.

Pressure Reducing Valve - A device used to reduce the pressure in a domestic water system when the water pressure exceeds desirable levels.

Pump Station - A drinking water or recycled water facility where pumps are used to push water up to a higher elevation or different location.

Reservoir - A water storage facility where water is stored to be used at a later time for peak demands or emergencies such as fire suppression. Drinking water and recycled water systems will typically use concrete or steel reservoirs. The State Water Project system considers lakes, such as Shasta Lake and Folsom Lake to be water storage reservoirs.

Runoff - Water that travels downward over the earth's surface due to the force of gravity. It includes water running in streams as well as over land.

Sanitary Sewer System - Sewer collection system designed to carry sewage, consisting of domestic, commercial, and industrial wastewater. This type of system is not designed nor intended to carry water from rainfall, snowmelt, or groundwater sources. See *Combined Sewer System*.

Sanitary Sewer Overflow – Overflow from a sanitary sewer system caused when total wastewater flow exceeds the capacity of the system. See *Combined Sewer Overflow*.

Santa Ana River Interceptor (SARI) Line – A regional brine line designed to convey 30 million gallons per day of non-reclaimable wastewater from the upper Santa Ana River basin to the sewer treatment plant operated by Orange County Sanitation District.

Secondary Treatment – Biological sewer treatment, particularly the activated-sludge process, where bacteria and other microorganisms consume dissolved nutrients in wastewater.

Supervisory Control and Data Acquisition (SCADA) - A computerized system which provides the ability to remotely monitor and control water system facilities such as reservoirs, pumps and other elements of water delivery.

Service Connection - The water piping system connecting a customer's system with a District water main beginning at the outlet side of the point of responsibility, including all plumbing and equipment located on a parcel required for the District's provision of water service to that parcel.

Sludge – Untreated solid material created by the treatment of sewage.

Smart Irrigation Controller - A device that automatically adjusts the time and frequency which water is applied to landscaping based on real-time weather such as rainfall, wind, temperature and humidity.

Special District - A political subdivision of a state established to provide a public services, such as water supply or sanitation, within a specific geographic area.

Surface Water - Water found in lakes, streams, rivers, oceans or reservoirs behind dams.

Total Suspended Solids (TSS) – The amount of solids floating and in suspension in water or sewage.

Transpiration - The process by which water vapor is released into the atmosphere by living plants.

Trickling Filter – A biological secondary treatment process in which bacteria and other microorganisms, growing as slime on the surface of rocks or plastic media, consume nutrients in primary treated sewage as it trickles over them.

Underground Service Alert (USA) - A free service that notifies utilities such as water, telephone, cable and sewer companies of pending excavations within the area (dial 8-1-1 at least 2 working days before you dig).

Urban Runoff - Water from city streets and domestic properties that typically carries pollutants into the storm drains, rivers, lakes, and oceans.

Valve - A device that regulates, directs or controls the flow of water by opening, closing or partially obstructing various passageways.

Wastewater – Any water that enters the sanitary sewer.

Water Banking - The practice of actively storing or exchanging in-lieu surface water supplies in available groundwater basin storage space for later extraction and use by the storing party or for sale or exchange to a third party. Water may be banked as an independent operation or as part of a conjunctive use program.

Water cycle - The continuous movement water from the earth's surface to the atmosphere and back again; see Hydrologic cycle.

Water Pressure - Pressure created by the weight and elevation of water and/or generated by pumps that deliver water to the tap.

Water Service Line - The pipeline that delivers potable water to a residence or business from the District's water system. Typically the water service line is a 1" to 1½" diameter pipe for residential properties.

Watershed - A region or land area that contributes to the drainage or catchment area above a specific point on a stream or river.

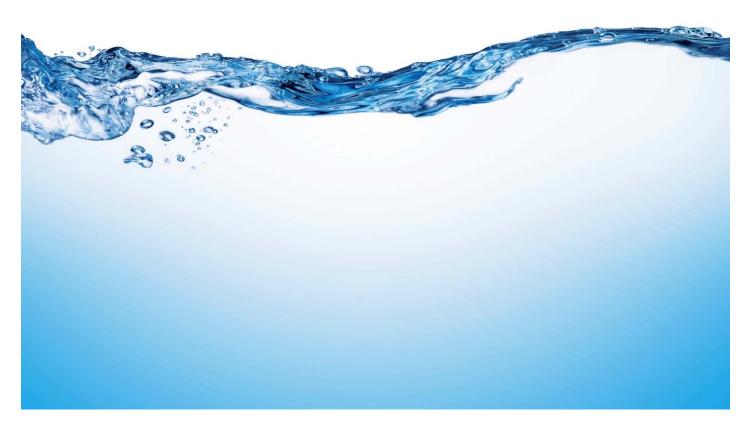
Water Table - The upper surface of the zone of saturation of groundwater in an unconfined aquifer.

Water Transfer - A transaction, in which a holder of a water right or entitlement voluntarily sells/exchanges to a willing buyer the right to use all or a portion of the water under that water right or entitlement.

Water Well - A hole drilled into the ground to tap an underground water aquifer.

Wetlands - Lands which are fully saturated or under water at least part of the year, like seasonal vernal pools or swamps.

Wet Weather Flow – Dry weather flow combined with stormwater introduced into a combined sewer system, and dry weather flow combined with infiltration/inflow into a separate sewer system.





COMMONLY USED ABBREVIATIONS

AQMD	Air Quality Management District
BOD	Biochemical Oxygen Demand
CARB	California Air Resources Board
ССТV	Closed Circuit Television
CWA	Clean Water Act
EIR	Environmental Impact Report
EPA	U.S. Environmental Protection Agency
FOG	Fats, Oils, and Grease
GPD	Gallons per day
MGD	Million gallons per day
O & M	Operations and Maintenance
OSHA	Occupational Safety and Health Administration
ΡΟΤΨ	Publicly Owned Treatment Works
PPM	Parts per million
RWQCB	Regional Water Quality Control Board
SARI	Santa Ana River Inceptor
SAWPA	Santa Ana Watershed Project Authority
SBVMWD	San Bernardino Valley Municipal Water District
SCADA	Supervisory Control and Data Acquisition system
SSMP	Sanitary Sewer Management Plan
SSO	Sanitary Sewer Overflow
SWRCB	State Water Resources Control Board
TDS	Total Dissolved Solids
TMDL	Total Maximum Daily Load
TSS	Total Suspended Solids
WDR	Waste Discharge Requirements
YVWD	Yucaipa Valley Water District