

As a matter of proper business decorum, the Board of Directors respectfully request that all cell phones be turned off or placed on vibrate. To prevent any potential distraction of the proceeding, we request that side conversations be taken outside of the meeting room.

**AGENDA
REGULAR BOARD MEETING
THREE VALLEYS MUNICIPAL WATER DISTRICT
Wednesday, December 6, 2017 at 8:00 AM**

The mission of Three Valleys Municipal Water District is to supplement and enhance local water supplies to meet our region's needs in a reliable and cost-effective manner.

Item 1 – Call to Order

Kuhn

Item 2 – Pledge of Allegiance

Kuhn

Item 3 – Roll Call

**Executive
Assistant**

- Bob Kuhn, President, Division IV
- David De Jesus, Vice President, Division II
- Brian Bowcock, Secretary, Division III
- Joe Ruzicka, Treasurer, Division V
- Dan Horan, Director, Division VII
- Carlos Goytia, Director, Division I
- John Mendoza, Director, Division VI

Item 4 – Additions to Agenda *(Government Code Section 54954.2(b)(2))*

Additions to the agenda may be considered when two-thirds of the Board members present determine a need for immediate action, and the need to act came to the attention of TVMWD after the agenda was posted; this exception requires a degree of urgency. If fewer than two-thirds of the Board members are present, all must affirm the action to add an item to the agenda. *The Board shall call for public comment prior to voting to add any item to the agenda after posting.*

Kuhn

Item 5 – Reorder Agenda

Kuhn

Item 6 – Public Comment *(Government Code Section 54954.3)*

Kuhn

Opportunity for members of the public to directly address the Board on items of public interest that is within the subject matter jurisdiction of TVMWD. The public may also address the Board on items being considered on this agenda. TVMWD requests that all public speakers complete a speaker's card and provide it to the Executive Assistant.

We request that remarks be limited to five minutes or less.

Item 7 – Public Hearing – Initial Study and Mitigated Negative Declaration for Grand Avenue Well, Project No. 58446 [enc]

Kuhn

The Board will convene a public hearing to hear testimony and receive comments prior to considering action to adopt the Initial Study and Mitigated Negative Declaration for Grand Avenue Well, Project No. 58446. TVMWD has fully complied with the noticing requirements for this Public Hearing.

In accordance with Government Code Section 6061, the Public Hearing was noticed in newspaper(s) of general circulation, *San Gabriel Valley Tribune* and *Inland Valley Daily Bulletin* on December 1, 2017. A copy of the notice is available upon request.

- Staff report to the Board of Directors;
- Open the public hearing;
- Consider public comments and testimony;
- Close the public hearing.

Item 8 – Adopt Resolution No. 17-12-813 to Approve Initial Study/Mitigated Negative Declaration and CEQA for TVMWD Grand Avenue Groundwater Well, Project No. 58446

Garcia

Upon conclusion of the public hearing held immediately preceding this action, the Board will consider approval of Resolution No. 17-12-813 to adopt CEQA Mitigated Negative Declaration for the Grand Avenue Well Project No. 58446.

Item 8 – Board Action Required – Motion No. 17-12-5157

Staff Recommendation: Approve as presented

Item 9 – Consent Calendar

Kuhn

The Board is being asked to consider the consent calendar items 9.1 – 9.6 listed below. Consent calendar items are routine in nature and may be considered and approved by a single motion. Any member of the Board may request that a specific item be pulled from the consent calendar for further discussion.

9.1 – Receive, Approve and File Minutes – November 2017 [enc]

- November 1, 2017 – Regular Board Meeting
- November 15, 2017 – Regular Board Meeting

9.2 – Miramar Site Tours [enc]

The Board will be provided an update on tours taken at the Miramar Treatment Plant during CY 2017.

9.3 – Resolution No. 17-12-814 Recognizing General Manager of Western Municipal Water District, John Rossi on His Retirement [enc]

9.4 – Resolution No. 17-12-815 Tax Sharing Exchange with County Sanitation District, Annexation No. 21-757 [enc]

Approval of this resolution operates to accept the action for the tax sharing exchange by the County Sanitation District.

9.5 – Resolution No. 17-12-816 Tax Sharing Exchange with County Sanitation District, Annexation No. 22-428 [enc]

Approval of this resolution operates to accept the action for the tax sharing exchange by the County Sanitation District.

9.6 – Resolution No. 17-12-817 Tax Sharing Exchange with County Sanitation District, Annexation No. 22-420 [enc]

Approval of this resolution operates to accept the action for the tax sharing exchange by the County Sanitation District.

Items 9.1 – 9.6: Board Action Required – Motion No. 17-12-5158
Staff Recommendation: Approve as presented

Item 10 – General Manager’s Report

Hansen

10.1 – CY 2018 Board Reorganization [enc]

The Board will consider its CY 2018 annual reorganization and elect the Board President and Officers to include, Vice President, Secretary and Treasurer.

Item 10.1: Board Action Required – Motion No. 17-12-5159
Staff Recommendation: None

10.2 – CY 2018 Appointment of Board Representatives/Alternates [enc]

The Board will consider its annual appointment of CY 2018 representatives / alternates to attend various member agency and other industry related meetings on behalf of Three Valleys MWD.

Item 10.2: Board Action Required – Motion No. 17-12-5160
Staff Recommendation: None

Item 11 – Directors’ / General Manager Oral Reports

All Directors and the General Manager will be provided an opportunity to share on various meetings they attended on behalf of Three Valleys MWD.

Item 12 – Future Agenda Items

Item 13 – Adjournment

The Board Meeting for December 20, 2017 has been cancelled. The Board will adjourn to Wednesday, January 3, 2018 at 8:00 a.m.

American Disabilities Act Compliance Statement

Government Code Section 54954.2(a)



Any request for disability-related modifications or accommodations (including auxiliary aids or services) sought to participate in the above-referenced public meeting should be directed to the TVMWD's Executive Assistant at (909) 621-5568 at least 24 hours prior to meeting.

Agenda items received after posting

Government Code Section 54957.5

Materials related to an item on this agenda submitted after distribution of the agenda packet are available for public review at the TVMWD office located at, 1021 East Miramar Avenue, Claremont, CA, 91711. The materials will also be posted on the TVMWD website at www.threevalleys.com.

Three Valleys MWD Board Meeting packets and agendas are available for review on its website at www.threevalleys.com. The website is updated on Sunday preceding any regularly scheduled board meeting



Staff Report/Memorandum

To: TVMWD Board of Directors
From: Richard W. Hansen, General Manager *RH*
Date: December 6, 2017
Subject: Public Hearing – Initial Study and Mitigated Negative Declaration for Grand Avenue Well, Project No. 58446

<input type="checkbox"/>	For Action	<input type="checkbox"/>	Fiscal Impact	<input type="checkbox"/>	Funds Budgeted
<input checked="" type="checkbox"/>	Information Only	<input type="checkbox"/>	Cost Estimate:	\$	

Discussion:

The Board will convene a public hearing on the above-referenced matter relating to the Initial Study and Mitigated Negative Declaration for TVMWD's Grand Avenue Well, Project No. 58446.

The Board will receive a staff report and be available to hear any testimony in this matter. After testimony is provided, the Board may elect to continue the public hearing to a later date or close the public hearing to enter a decision.

All materials related to this item have been assembled as part of the California Environmental Quality Act (CEQA) adoption for the above-referenced project. Agenda Item 8 provides for that adoption after the close of the public hearing.

Strategic Plan Objective(s):

3.3 – Be accountable and transparent with major decisions

(Space below for use of County Clerk Only)

Inland Valley Daily Bulletin

(formerly the Progress Bulletin)
9616 Archibald Avenue Suite 100
Rancho Cucamonga, CA 91730
909-987-6397
legals@inlandnewspapers.com

**PROOF OF PUBLICATION
(2015.5 C.C.P.)**

**STATE OF CALIFORNIA
County of Los Angeles**

I am a citizen of the United States, I am over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer of INLAND VALLEY DAILY BULLETIN, a newspaper of general circulation printed and published daily for the City of Pomona, County of Los Angeles, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Los Angeles, State of California, on the date of June 15, 1945, Decree No. Pomo C-606. The notice, of which the annexed is a true printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

10/23/17

I declare under the penalty of perjury that the foregoing is true and correct.

Executed at Rancho Cucamonga, San Bernardino Co. California

This 23 Day of October, 2017



Signature

NOTICE OF AVAILABILITY (NOA) AND NOTICE OF INTENT (NOI) TO ADOPT AN INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

In accordance with the California Environmental Quality Act (CEQA) and the CEQA Guidelines, notice is hereby given that Three Valleys Municipal Water District is reissuing the Draft Initial Study / Mitigated Negative Declaration (IS/MND) for public review and comment that identifies and evaluates the environmental impacts of the below-named project. The reissued IS/MND will be posted and a 30-day public review period will take place. Further, notice is given that a public hearing will be held at a future date on the project as follows:

Project Title: TVMWD Grand Avenue Well

Project Location: Vacant paved lot located at the southeast end of the cul-de-sac of 2000 N Grand Avenue, south of Baseline Road, in the City of Claremont, Los Angeles County.

Project Description: Construction of a new groundwater production well to be housed within an approximate 400-square-foot building and associated discharge pipeline to connect the well to the existing Three Valleys Municipal Water District (TVMWD) Miramar Treatment Plant located at 1021 E. Miramar Avenue. The purpose of the project is for TVMWD to produce approximately 750 to 1,000 acre-feet per year (AFY) of groundwater to increase local water supplies and improve overall water supply reliability.

Environmental Review: The Draft Initial Study and Mitigated Negative Declaration (IS/MND) is available for review and comment at: <http://www.threevalleys.com/Reports-Documents/Projects.aspx> and the following locations:

Three Valleys MWD Office
1021 E. Miramar Avenue
Claremont, CA 91711-2052
Open Mon-Thurs 8 am to 5 pm

County of Los Angeles Public
Library - Claremont
208 N Harvard Ave
Claremont, CA 91711
(Refer to the Library for hours)

Any questions regarding the project may be directed to Ben Peralta, Project Manager, at (909) 621-5568 ext. 109, or by email to: bperalta@tvmwd.com.

Public Comment Period: Interested persons are encouraged to provide written comments on the IS/MND. The public review period begins on **Monday, October 23, 2017**. Comments on the Draft IS/MND must be submitted by **Wednesday, November 22, 2017 at 5:00 PM**. Interested persons may provide comments on the IS/MND by writing to Ben Peralta, Project Manager, TVMWD, 1021 E. Miramar Ave., Claremont, CA 91711 2052, or via email to bperalta@tvmwd.com. Failure to file objections to the IS/MND during the public review period or at the public hearing may constitute a waiver of rights to object to the environmental determination later.

Public Hearing: A public hearing to consider adoption of the Final IS/MND will be scheduled at a future date. A separate notice regarding that hearing will be distributed in advance of the hearing date. All interested persons are invited to appear and be heard. Pursuant to Government Code Section 54954.2(a), any request for disability-related modification or accommodation (including auxiliary aids or services) that is sought to participate in the future agendaized public meeting should be directed to the District's Executive Assistant at (909) 621-5568 at least 24 hours prior to said meeting. **Para información en Español, llame (909) 621-5568.**

Published: October 23, 2017 #1028302

San Gabriel Valley Tribune

Affiliated with SGV Newspaper Group
605 E. Huntington Dr., Suite 100
Monrovia, CA 91016
626-962-8811 ext. 40891

5038502

THREE VALLEYS MUNICIPAL WATER
1021 E. MIRIMAR AVE.
CLAREMONT, CA 91711-1300

**PROOF OF PUBLICATION
(2015.5 C.C.P.)**

**STATE OF CALIFORNIA
County of Los Angeles**

I am a citizen of the United States, and a resident of the county aforesaid; I am over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer of SAN GABRIEL VALLEY TRIBUNE, a newspaper of general circulation which has been adjudicated as a newspaper of general circulation by the Superior Court of the County of Los Angeles, State of California, on the date of September 10, 1957, Case Number 684891. The notice, of which the annexed is a true printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

10/23/2017

I declare under the penalty of perjury that the foregoing is true and correct.

Executed at West Covina, LA Co. California
On this 23th day of October, 2017.



Signature

(Space below for use of County Clerk Only)

Item 7

Legal No. **0011027868**

Three Valleys Municipal Water District
1021 E. Miramar Avenue, Claremont, CA 91711-2052
Phone: (909) 621-5568
Fax: (909) 625-5470

NOTICE OF AVAILABILITY (NOA) AND NOTICE OF INTENT (NOI) TO ADOPT AN INITIAL STUDY / MITIGATED NEGATIVE DECLARATION

In accordance with the California Environmental Quality Act (CEQA) and the CEQA Guidelines, notice is hereby given that Three Valleys Municipal Water District is reissuing the Draft Initial Study / Mitigated Negative Declaration (IS/MND) for public review and comment that identifies and evaluates the environmental impacts of the below-named project. The reissued IS/MND will be posted and a 30-day public review period will take place. Further, notice is given that a public hearing will be held at a future date on the project as follows:

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Published: October 23, 2017, San Gabriel Valley Tribune, #1027868

Advertising Order Confirmation

**NOTICE OF PUBLIC HEARING
THREE VALLEYS MUNICIPAL
WATER DISTRICT
ADOPT INITIAL STUDY - MITIGATED
NEGATIVE DECLARATION
PROJECT NO. 58446 - TVMWD GRAND
AVENUE WELL**

NOTICE IS HEREBY GIVEN, pursuant to the California Environmental Quality Act (CEQA), that Three Valleys Municipal Water District (TVMWD) plans to improve operational flexibility of the water system and improve the reliability of regional water supplies. The project includes the construction (drilling and equipping) of a groundwater production well. The following hearing has been scheduled for the project:

- TVMWD will consider the Draft Initial Study and Mitigated Negative Declaration (IS/MND), on **Wednesday, December 6, 2017 at 8:00 AM in the Three Valleys MWD Administrative Office at 1021 East Miramar Avenue, Claremont**. All interested persons are invited to appear and be heard.

Project Description

The proposed project is on TVMWD property located south of Baseline Road at the southeast end of the cul-de-sac on Grand Avenue, in the city of Claremont. The main components of the project include construction (drilling and equipping) of a groundwater production well, well casing/louvers, a well enclosure, and water piping. All construction will take place on the property and within the street row for construction of the well, well enclosure, and approximately 6,000 linear feet of water pipe connecting the well to the TMVWD Miramar Plant located at 1021 East Miramar Avenue in Claremont.

ENVIRONMENTAL DETERMINATION

NOTICE IS FURTHER GIVEN that TVMWD has completed an Initial Study of the project in accordance with the State's guidelines for implementing CEQA. Staff has concluded that there will not be a significant effect on the environment, and therefore, a draft negative declaration has been prepared. The public review period for the Initial Study and Draft Mitigated Negative Declaration (IS/MND) began on October 23, 2017, and concluded on November 22, 2017.

Copies of the IS/MND were available during the public review period on the TVMWD website (www.threevalleys.com) or at TVMWD's office located at 1021 East Miramar Avenue, Claremont. TVMWD is open Monday through Thursday 8:00 AM to 5:00 PM.

Failure to file objections to the IS/MND during the public review period or at the public hearing referenced above may constitute a waiver of rights to object to the environmental determination later.

Finally, pursuant to Government Code Section 54954.2(a), any request for disability-related modification or accommodation (including auxiliary aids or services) that is sought to participate in the above-agendized public meeting should be directed to the District's Executive Assistant at (909) 621-5568 at least 24 hours prior to said meeting.

Para información en Español, llame (909) 621-5568

Published: December 1, 2017

By: Richard W. Hanson

Advertising Order Confirmation

<u>Ad Number</u>	<u>Ad Size</u>	<u>Color</u>	<u>Production Color</u>	<u>Ad Attributes</u>	<u>Production Method</u>	<u>Production Notes</u>
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		Legal Liner				

**NOTICE OF PUBLIC HEARING
THREE VALLEYS MUNICIPAL WATER DISTRICT
ADOPT INITIAL STUDY - MITIGATED NEGATIVE
DECLARATION
PROJECT NO. 58446 – TVMWD GRAND AVENUE WELL**

NOTICE IS HEREBY GIVEN, pursuant to the California Environmental Quality Act (CEQA), that Three Valleys Municipal Water District (TVMWD) plans to improve operational flexibility of the water system and improve the reliability of regional water supplies. The project includes the construction (drilling and equipping) of a groundwater production well. The following hearing has been scheduled for the project:

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Para información en Español, llame (909) 621-5568

Published: December 1, 2017

/s/ Richard W. Hansen
General Manager / Chief Engineer
THREE VALLEYS MWD

Pub: San Gabriel Valley Tribune, AD#1046887

<u>Product</u>	<u>Requested Placement</u>	<u>Requested Position</u>	<u>Run Dates</u>	<u># Inserts</u>
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**INITIAL STUDY/
MITIGATED NEGATIVE DECLARATION**
Three Valleys Municipal Water District
Proposed Groundwater Production Well No. 4 & Pipeline
Grand Avenue, Claremont, California



Prepared for:

Three Valleys Municipal Water District
1021 E. Miramar Avenue
Claremont, CA 91711

Prepared by:

Stantec Consulting Services Inc.
290 Conejo Ridge Avenue
Thousand Oaks, CA 91361



November 28, 2017

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ABBREVIATIONS

AFY = Acre-Feet Per Year

AQMP = Air Quality Management Plan

BGS = Below Ground Surface

BMP = Best Management Practices

CAAQS = California Ambient Air Quality Standards

CalEEMod = California Emissions Estimator Model

CARB = California Air Resources Board

Church = Church of Jesus Christ of Latter-day Saints

CML&C = Cement Mortar Lined and Coated

CNEL = Community Noise Exposure Level

CO = Carbon Monoxide

EIR = Environmental Impact Report

Farmland = Farmland of Statewide Importance

FTA = United States Department of Transportation Federal Transit Administration

GHG = Greenhouse Gas

H₂S = Hydrogen Sulfide

LF = Linear Feet

LSTs = Localized Significance Thresholds

MRZ-2 = Mineral Resource Zone 2

MWD = Metropolitan Water District of Southern California

NAAQS = National Ambient Air Quality Standards

NO₂ = Nitrogen Dioxide

O₃ = Ozone

Pb = Lead

PM_{2.5} = Particulate Matter

Proposed Project = Proposed Grand Avenue Well

SCAB = South Coast Air Basin

SCAG = Southern California Association of Governments

SCAQMD = South Coast Air Quality Management District

State Route 210 = Foothill Freeway

SWPPP = Stormwater Pollution Prevention Plan

TVMWD = Three Valleys Municipal Water District

USEPA = U.S. Environmental Protection Agency

1.0 INTRODUCTION

1.1 OVERVIEW

Three Valleys Municipal Water District (TVMWD) is a wholesale water purveyor that provides water to the cities of Claremont, Pomona, Walnut, and to the east San Gabriel Valleys. TVMWD operates the Miramar Water Treatment Plant located in the City of Claremont, which has a capacity of approximately 25 million gallons of water per day (mgd). Two groundwater production wells are located at the Miramar Treatment Plant. TVMWD proposes to construct a new production well and associated pipeline within the City of Claremont in order to increase TVMWD's capability to extract groundwater within the six basins of the San Gabriel Valley. The six basins include: Ganesha Basin, Pomona Basin, Live Oak Basin, Lower Claremont Basin, Upper Claremont Heights Basin, and Canyon Basin, which are all naturally separated by geologic fault lines (Figure 1).

The Proposed Grand Avenue Well & Pipeline (Proposed Project) would enhance TVMWD's groundwater production capability and supplement Miramar Treatment Plant's high-quality treated drinking water supply for its member agencies. In addition, the new well would strengthen local supply reliability and add consistency to TVMWD's existing groundwater production system. The Proposed Project consists of construction of a new groundwater production well in a vacant former Caltrans property located on Grand Avenue, and the construction of a new pipeline that would connect the well to the Miramar Treatment Plant (Figure 2). The Proposed Project would pump groundwater from the Upper Claremont Heights Basin and would discharge it into an 8-inch diameter untreated water main that would be routed along Grand Avenue and Baseline Road to its intersection with Padua Avenue. A 12-inch diameter pipe would be proposed from this intersection to the Miramar Treatment Plant. The 8-inch pipeline section would be approximately 1,800 linear feet (LF) and the 12-inch pipeline would be approximately 4,300 LF, for a total of 6,100 LF. The 8-inch pipeline within the well site would be constructed out of cement mortar lined and coated (CML&C) steel pipe. The 8-inch and 12-inch pipelines in Grand Avenue, Baseline Road, and Padua Avenue would be ductile iron pipe (DIP).

A number of alternative pipeline routes were analyzed and the preferred alignment route of the new water transmission main line is north along Grand Avenue from the Proposed Project site to East Baseline Road (Figure 2). From the intersection of Grand Avenue and East Baseline Road, the new pipeline would be routed approximately 1,300 LF to the east to Padua Avenue. The pipeline would then travel north along Padua Avenue approximately 3,200 LF to the west entrance of the Miramar Treatment Plant, and then approximately 1,050 LF to the east to the tie-in point (Figure 2). This route is preferred because it is the shortest route from the proposed well to the Miramar Treatment Plant and because construction along this route will not interfere with the existing utilities and residential water services and sewer laterals on Grand Avenue (between Baseline Road and Miramar Ave) as well as the large high pressure 10-foot diameter Metropolitan Water District (MWD) water transmission pipeline then runs east and west along Miramar Avenue.

1.2 PROJECT TITLE

Proposed Grand Avenue Well & Pipeline (Proposed Project)

1.3 LEAD AGENCY

Three Valleys Municipal Water District
1021 E. Miramar Avenue
Claremont, California 91711

1.4 INTENDED USES OF THE INITIAL STUDY

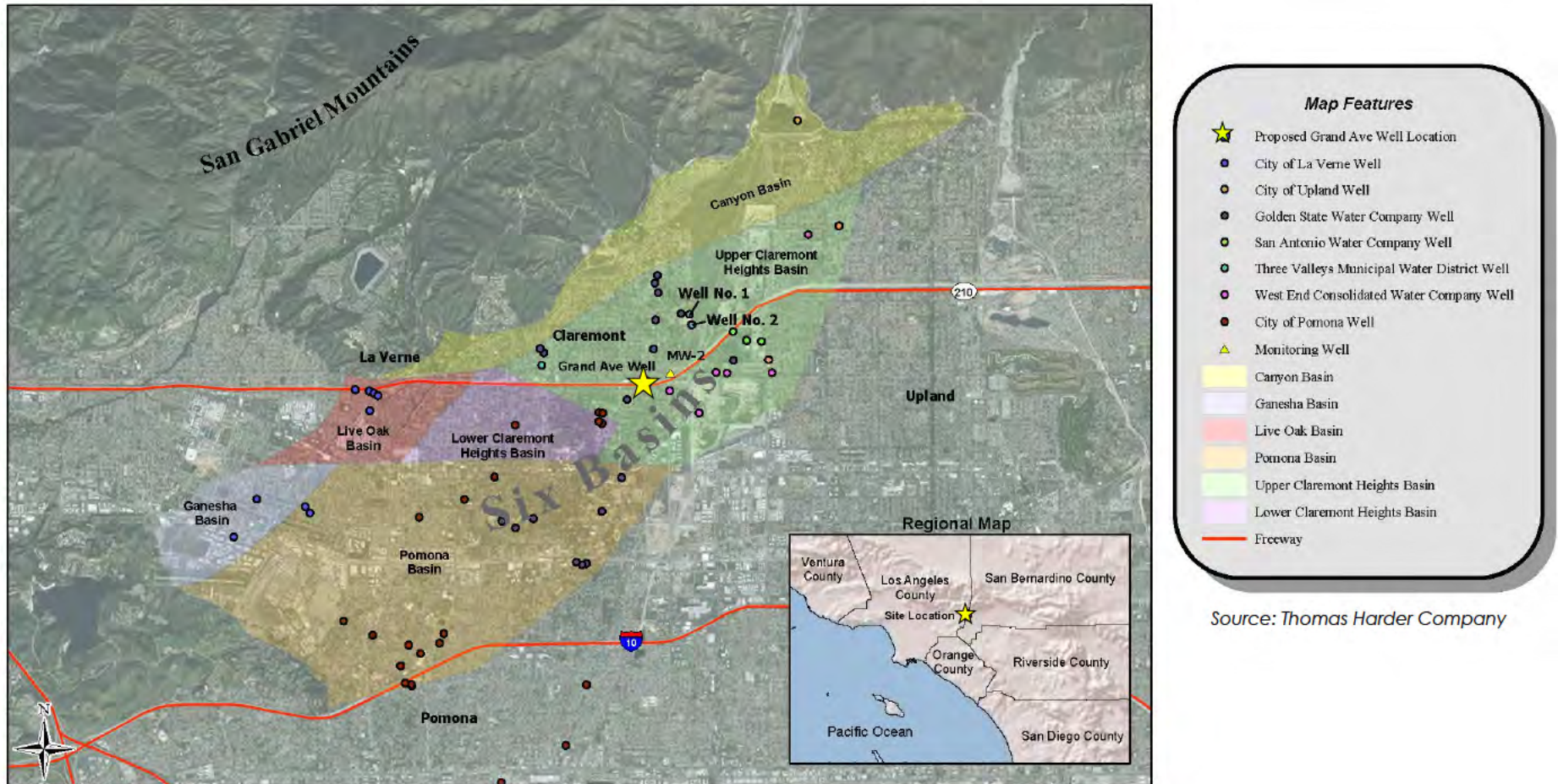
This Initial Study is an informational document intended to inform the lead agency, other responsible or interested agencies, and the public of potential environmental effects of the Proposed Project. The environmental review process has been established to enable public agencies to evaluate potential environmental consequences and to examine and implement methods of eliminating or reducing any potential significant adverse impacts.

Initial Study / Mitigated Negative Declaration
 Three Valleys Municipal Water District Proposed Grand Avenue Well & Pipeline

November 28, 2017

1.5 PROJECT DESCRIPTION SUMMARY

Figure 1 Vicinity Map



Source: Thomas Harder Company

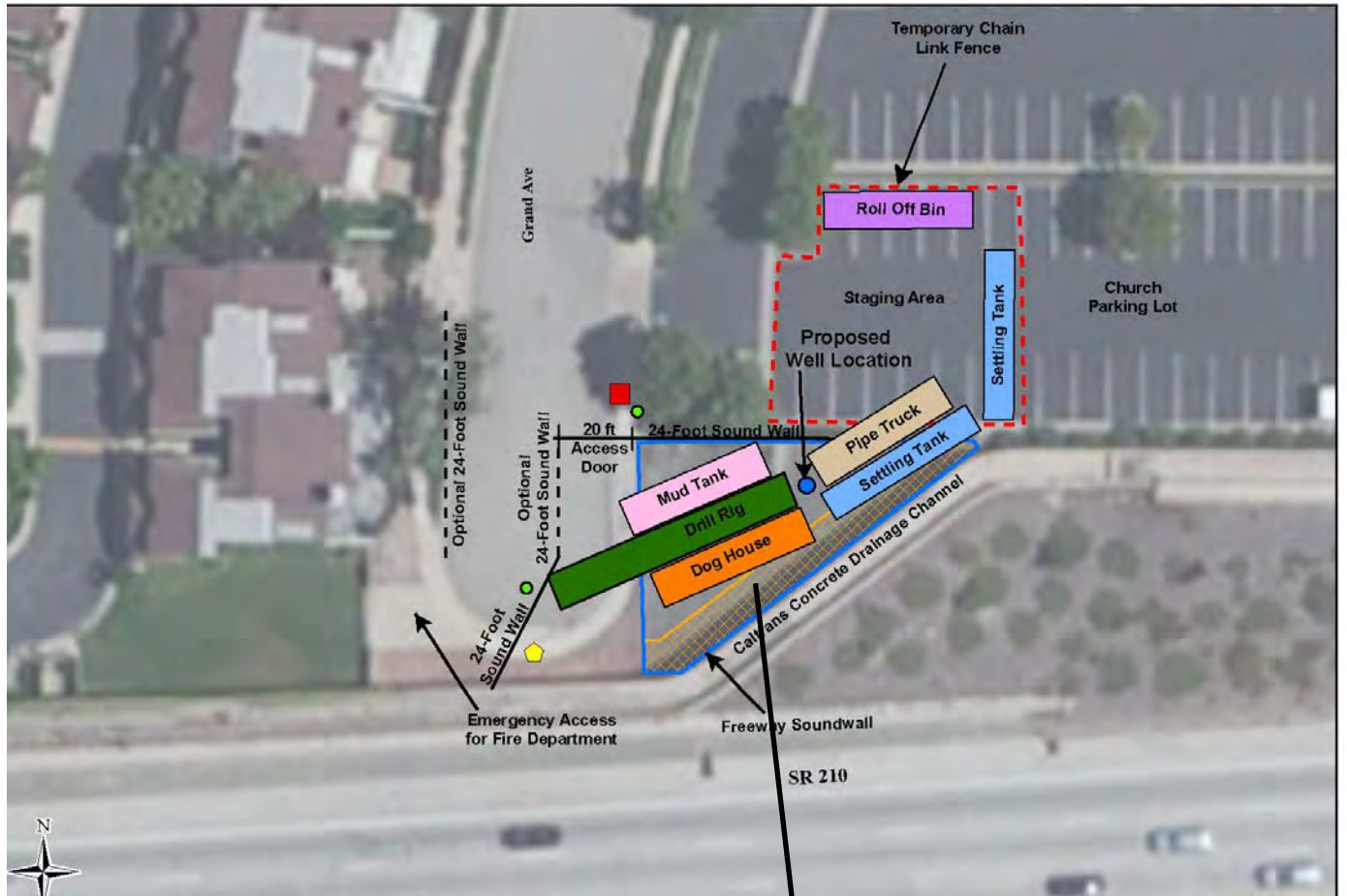
Initial Study / Mitigated Negative Declaration
Three Valleys Municipal Water District Proposed Grand Avenue Well & Pipeline

November 28, 2017

Figure 2 Proposed Project Location



Figure 3 Proposed Project Conceptual Construction Layout



Source: Thomas Harder Company



Figure 4 Well No. 4 Conceptual Rendering

Existing



Perspective of Existing Vacant Lot from South End of Grand Avenue Looking East.

Proposed



Perspective of Proposed Project from South End of Grand Avenue Looking East. (Conceptual Rendering)

2.0 PROJECT DESCRIPTION

2.1 LOCATION

The Proposed Project is located on property owned by TVMWD. The parcel was a former Caltrans property at the southeast end of the Grand Avenue cul-de-sac in the City of Claremont. The property is bounded by Grand Avenue to the west, the Foothill Freeway (SR 210) to the south and east, and the Church of Jesus Christ of Latter-day Saints (Church) to the north (Figure 2). The well site property is roughly triangular in shape and is bounded by a Caltrans sound wall to separate it from the Foothill Freeway (Figure 3). The lot size has an area of approximately 3,400 square feet.

2.2 ENVIRONMENTAL SETTING

The City of Claremont is within the eastern portion of Los Angeles County. The cities of Montclair and Upland are located to the east, City of Pomona to the south, City of La Verne to the west, and unincorporated areas of Los Angeles County to the north. The City of Claremont is situated on an alluvial fan stemming from the San Gabriel Mountains to the north. San Antonio Wash is located along the eastern side of Claremont. Unincorporated areas of Los Angeles County to the north of Claremont include parks, wilderness areas, Angeles, and San Bernardino National Forests. Similar to the majority of southern California, Claremont is located within a seismically active area.

2.3 GENERAL PLAN LAND USE DESIGNATION

The Proposed Project is in the jurisdiction City of Claremont. The proposed well is located on a former Caltrans parcel and is designated as a County of Los Angeles property on the City of Claremont Zoning Map.

2.4 ZONING

The current County of Los Angeles Zoning for the parcel is Public Facilities. The proposed well is located on a former Caltrans parcel, which is designated as County of Los Angeles property. The associated pipeline is located within the jurisdiction of City of Claremont and will be installed within Grand Avenue, East Baseline Road, and Padua Avenue.

2.5 SURROUNDING LAND USES

North: E Baseline Road, existing parking lot and Church.

East: SR 210 Foothill Freeway, existing sound wall and Caltrans vacant property.

South: SR 210 Foothill Freeway.

West: Grand Avenue, existing residential (town homes).

2.6 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project:

- | | | |
|---------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|
| <input checked="" type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture and Forestry Resources | <input checked="" type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology/Soils |
| <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Hazards & Hazardous Materials | <input checked="" type="checkbox"/> Hydrology & Water Quality |
| <input type="checkbox"/> Land Use/Planning | <input type="checkbox"/> Mineral Resources | <input checked="" type="checkbox"/> Noise |
| <input type="checkbox"/> Population/Housing | <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation |
| <input checked="" type="checkbox"/> Transportation/Traffic | <input type="checkbox"/> Utilities/Service Systems | <input type="checkbox"/> Mandatory Findings of Significance |
| <input checked="" type="checkbox"/> Tribal Cultural Resources | | |

3.0 EVALUATION OF ENVIRONMENTAL IMPACTS

3.1 AESTHETICS

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<u>AESTHETICS:</u> Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

a) *Have a substantial adverse effect on a scenic vista?*

No Impact. According to the Claremont General Plan, there are no scenic vistas within the City of Claremont. Therefore, the Proposed Project would not have substantial adverse effect on a scenic vista. The Proposed Project is located in the eastern region of the City of Claremont and is surrounded by urban residential land uses. Therefore, no impact would occur to scenic vistas.

b) *Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?*

No Impact. The Proposed Project would not damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway. According to the Claremont General Plan, there are no state-designated scenic highways in the City of Claremont. The nearest designated state scenic highway to the Proposed Project site is Angeles Crest Highway, which is approximately 20 miles west of the site. Therefore, no damage to scenic resources would result from the Proposed Project.

c) *Substantially degrade the existing visual character or quality of the site and its surroundings?*

Less Than Significant Impact. The proposed well is located on a former Caltrans property at the southeast end of the Grand Avenue cul-de-sac in the City of Claremont. The property is bounded by Grand Avenue to the west, the Foothill Freeway (SR 210), which is divided by an approximately 12-foot-tall Caltrans sound wall to the south and east, and the Church to the north. During construction, the portion of the lot frontage along Grand Avenue would be secured with a temporary chain link fence and sliding gate, which is typical of well construction projects. In addition, a temporary sound wall will be installed during construction to mitigate potential noise impacts to surrounding residents. Long term, aesthetics of the vacant lot would be improved with the construction of a well enclosure/building engineered to mitigate noise. Please refer to Figure 4 for a conceptual rendering of the proposed well enclosure/building. The associated pipeline would be installed underground within Grand Avenue, East Baseline Road, and Padua Avenue and would not degrade the existing visual character of the streets. Overall, the Proposed Project would be designed to be aesthetically pleasing to its surrounding uses. Therefore, the Proposed Project would have a less than significant impact on the existing visual character of the surrounding area.

d) *Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?*

Less Than Significant Impact. The Proposed Project is in an area developed with various urban uses, including residential, commercial, and public facilities uses. External illumination already exists near the project area with moderate levels of ambient nighttime lighting including residential, street, and adjoining freeway lighting. Neighborhoods in the view shed of the Proposed Project may be exposed to a less than significant increase in outdoor night lighting. All lighting during construction and operations will be primarily focused toward the work area and shielded away from sensitive receptors. The Proposed Project would involve the construction of a well and pipeline, most of which would occur during the daylight hours except for critical periods of well drilling construction that would require continuous (24/7) construction activities. During operations, the approximate 400 square foot building that would house the proposed well and associated structures would have minimal outdoor security lighting so as not to create impacts to motorists on adjacent roadways or adjacent residential uses near the project site. All exterior lighting (both during construction and operation) would be designed, arranged, installed, directed, shielded, and maintained in such a manner as to minimize direct illumination. Onsite-lighting would be installed to accommodate safety and security while minimizing impacts on surrounding residents. Therefore, the Proposed Project would have a less than significant impact on new sources of substantial light or glare, which would adversely affect day or nighttime views in the area.

3.2 AGRICULTURE AND FORESTRY RESOURCES

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
AGRICULTURE AND FORESTRY RESOURCES: Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526, or timberland zoned Timberland Protection (as defined by Government Code section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of farmland to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- a) *Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?*

No Impact. The Proposed Project includes the construction of a well on a former Caltrans property at the southeast end of the Grand Avenue cul-de-sac and associated pipeline in the City of Claremont. The Proposed Project would not convert any Prime Farmland, Unique Farmland, or Farmland of Statewide Importance to a non-agricultural use. The Proposed Project does not contain Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland). Consequently, the Project would not convert Farmland to a non-agricultural use. No impact would occur.

b) *Conflict with existing zoning for agricultural use, or a Williamson Act contract?*

No Impact. Williamson Act contracts restrict land development of contract lands. The contracts typically limit land use in contract lands to agriculture, recreation, and open space, unless otherwise stated in the contract. The Proposed Project is not in the Williamson Act Conservation Contract database and would not conflict with existing zoning for agricultural use.

c) *Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526, or timberland zoned Timberland Protection (as defined by Government Code section 51104(g))?*

No Impact. The Proposed Project is not zoned as forest land or timberland and does not include any timberland resources. The Project would have no impact on forest or timberland.

d) *Result in the loss of forest land or conversion of forest land to non-forest use?*

No Impact. There is no forest land or any land that is designated to the conservation of forest land within the Proposed Project. Therefore, the Proposed Project would have no impact on forest land.

e) *Involve other changes in the existing environment which, due to their location or nature, could result in conversion of farmland to non-agricultural use or conversion of forest land to non-forest use?*

No Impact. The Proposed Project is not located within proximity to any land zoned or utilized for farmland or forest land. The Proposed Project is within an urbanized area of the City of Claremont and would not result in the conversion of farmland to non-agricultural use or conversion of forest land to non-forest uses. No impact would occur.

3.3 AIR QUALITY

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<u>AIR QUALITY:</u> Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Diminish an existing air quality rule or future compliance requirement resulting in a significant increase in air pollutant(s)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

a) *Conflict with or obstruct implementation of the applicable air quality plan?*

Less Than Significant Impact. Within the Proposed Project area, the South Coast Air Quality Management District (SCAQMD) and the Southern California Association of Governments (SCAG) have the responsibility for preparing an Air Quality Management Plan (AQMP), which addresses federal and state Clean Air Act requirements. The AQMP details goals, policies, and programs for improving air quality and establishes thresholds for daily operational emissions. Environmental review of individual projects within the region must demonstrate that daily construction and operational emissions thresholds as established by the SCAQMD would not be exceeded nor would the number or severity of existing air quality violations be increased. Construction and operation of the Proposed Project would not exceed any SCAQMD construction or operational emissions thresholds.

Actions in the General Plan undertaken to ensure the protection of good air quality include encouraging the use of green building technologies and cleaner fuels. Projects that are consistent

with the local General Plan are consistent with the AQMP assumptions. Further, the Proposed Project would not have an impact on the type, size, or location of transportation infrastructure in the long-term and would thus be consistent with SCAG's Regional Mobility Plan. The construction and operation of the Proposed Project is not anticipated to exceed the AQMP's daily emissions thresholds (as discussed in items b) and c) below) and would therefore not conflict with or obstruct the implementation of the AQMP. As such, the impacts to the local or regional air quality or congestion management plans would be less than significant.

b) *Violate any air quality standard or contribute substantially to an existing or projected air quality violation?*

Less Than Significant Impact. Emissions below the SCAQMD mass emissions thresholds of significance presented in Table 1 below would not be expected to violate any air quality standard or contribute substantially to an existing or projected air quality violation. As shown in Table 2 below, estimated Proposed Project emissions are lower than the applicable SCAQMD regional and localized mass emissions thresholds of significance. The localized thresholds are based on a conservative approach in assuming a one-acre project site and an 80-foot distance to the nearest sensitive receptor. The Proposed Project site is approximately 0.078 acres for the installation of the new well and approximately 6,100 LF for the installation of the new pipeline. The nearest sensitive receptor is approximately 80 feet west to the Proposed Project and would not be impacted during operation, and emissions during construction based on these assumptions are below the applicable LSTs, and would have less than significant impact to any air quality standards or project air quality violations.

c) *Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?*

Less Than Significant Impact. The Proposed Project would be located in the Pomona/Walnut Valley of the South Coast Air Basin (SCAB or Basin), directly adjacent to the Northwest San Bernardino Valley. Los Angeles County, as part of the SCAB, is designated as a "non-attainment" area for ozone (O₃), respirable particulate matter (PM₁₀), and fine particulate matter (PM_{2.5}). The SCAB is a maintenance area for carbon monoxide (CO) and oxides of nitrogen (NO_x), which denotes that it had once been a non-attainment area for the pollutant. SCAQMD maintains an extensive air quality-monitoring network to measure criteria pollutant concentrations throughout the Basin. The closest air monitoring station to the project is the Pomona site. SCAQMD has prepared the CEQA Air Quality Handbook to provide guidance to those who analyze the air quality impacts of proposed projects. Based on Section 182(e) of the Federal Clean Air Act, SCAQMD has set significance thresholds for five criteria pollutants. The SCAQMD significance threshold criteria are shown in the table below.

Table 1 SCAQMD Air Quality Impact Significance Thresholds

Pollutant (Air Pollutant)	Construction (lbs/day)	Operational (lbs/day)
Nitrogen Oxide (NO _x)	100	55
Volatile Organic Compounds (VOC)	75	55
Particulate Matter (PM ₁₀)	150	150
Particulate Matter (PM _{2.5})	55	55
Sulfur Oxide (SO _x)	150	150
Carbon Monoxide (CO)	550	550
Lead (Pb)	3	3
<i>Source: SCAQMD, CEQA Air Quality Handbook, 1993.</i>		

The construction air quality analysis was conducted for the Proposed Project to determine construction-related emissions using the CalEEMod (Appendix A). Air contaminant emissions would result from the use of construction equipment and construction worker vehicles. Diesel emissions would result from truck trips associated with supply delivery, transport of excavated soil from pipeline trenching and well drilling, transport of backfill and paving materials, and construction of a small well head and well enclosure building. Fugitive emissions would result from soil hauling dust, paved road dust, and road re-paving. The analysis assumes that well installation and pipeline construction do not occur simultaneously, but potentially roadway re-paving and pipeline construction could overlap. The 6,100 LF of pipeline, well drilling, well head, and well enclosure building would take approximately 230 days to complete. The duration of well drilling construction activities is estimated to be three to four months. While phase two consists of well equipping construction, which would approximately take 12 to 14 months to complete. The well equipping construction consists of the pipeline, well enclosure/building, pump, motor, and electrical work. See table below for estimated daily construction emission totals.

Construction activities are not anticipated to generate significant amounts of PM₁₀. The emissions estimates in the table below for PM₁₀ include dust from site preparation activities and from on-site construction equipment. As indicated in the table below, the daily emissions of this pollutant would be well below SCAQMD significance thresholds.

**INITIAL STUDY / MITIGATED NEGATIVE DECLARATION
THREE VALLEYS MUNICIPAL WATER DISTRICT PROPOSED GRAND AVENUE WELL & PIPELINE**

November 28, 2017

Table 2 Estimated Construction Air Quality Impact Significance Thresholds

Maximal Construction Emissions (lbs/day)	VOC	NO_x	CO	SO_x	PM₁₀	PM_{2.5}
Construction of Well	0.8	8.1	6.2	0.0	0.5	0.4
Construction of Pipeline	1.9	16.5	14.3	0.0	1.2	1.0
Total Construction Impacts:	<u>2.7</u>	<u>24.7</u>	<u>20.5</u>	<u>0.0</u>	<u>1.7</u>	<u>1.4</u>
SCAQMD Regional Thresholds	75	100	550	150	150	55
SCAQMD Localized Thresholds	N/A	103	612	N/A	4	3

SOURCE: SCAQMD Air Quality Significance (Mass Daily) Thresholds, 2015; SCAQMD Mass Rate LST Lookup Tables, Appendix C, 2008 Notes: Localized significance thresholds are from the SCAQMD lookup tables assuming a one-acre project site and a distance to the nearest sensitive receptor of 25 meters (Proposed Project site is 0.3 acres & 6,100 LF).

As indicated in Table 2, criteria pollutants would be below SCAQMD significance thresholds for construction activities. Furthermore, construction emissions would be short-term in nature and would be limited only to the period when construction activity is taking place. Additionally, the construction emissions analysis incorporated conservative assumptions. As such, construction emissions are not expected to add to long-term air quality degradation. Furthermore, the Proposed Project would implement standard SCAQMD-approved construction procedures and would comply with applicable provisions of the most recently adopted SCAQMD Rule 403 (Fugitive Dust). As such, construction of the Proposed Project would not result in a violation of air quality standards or substantially contribute to existing or projected air quality violations, and the impact would be less than significant.

Operation of the Proposed Project would generate emissions of criteria pollutants from operational pumping and worker trips to the site for maintenance and monitoring activities, but emissions would be minimal. Electrical generation of power would be used for pumping and an emergency generator would not be installed. Electrical consumption has no single uniquely related air pollution emissions source because power is supplied to and drawn from a regional grid. Electrical power is generated regionally by a combination of non-combustion (nuclear, hydroelectric, solar, wind, geothermal, etc.) and fossil fuel combustion sources. There is no direct nexus between consumption and the type of power source or the air basin where the source is located. Operational air pollution emissions from electrical generation are therefore not attributable on a project-specific basis. As such, criteria pollutant emissions are expected to be negligible, and as such, operational air quality impacts would be less than significant.

d) *Expose sensitive receptors to substantial pollutant concentrations?*

Less Than Significant Impact. The Proposed Project is bordered by sensitive receptors with single-family residential to the west and a church to the north. The pipeline portion is bordered by sensitive receptors along most of its 6100 LF length, including a school. However, daily construction emissions would be below significance thresholds and well drilling related construction activities would occur for no more than four months. Due to the presence of a school, construction activities for the pipeline may be scheduled during the summer break, when school activities would be low, or may be scheduled during non-peak rush hour times.

Health impacts from pollutant exposure are modeled over the long term of several decades, and thus there is no known accepted methodology for determining health impacts from short-term construction exposure. However, because the Proposed Project would not result in the significant emissions of any pollutant of concern, it can be inferred that there would be no significant impact to sensitive receptors as a result of short-term exposure. Therefore, impacts from Proposed Project construction and operation would be less than significant.

e) *Create objectionable odors affecting a substantial number of people?*

Less Than Significant Impact. Odors (e.g., odors from construction vehicle emissions) would be controlled in accordance with SCAQMD Rule 402 (Nuisance Emissions). Other than construction vehicle operation, no activities are anticipated to occur and no materials or chemicals would be stored on-site that would have the potential to cause odor impacts during the construction of the Proposed Project. No odors would be anticipated from the construction of the underground pipeline nor during operation of the water well. Therefore, construction and operation of the Proposed Project is anticipated to have less than significant odor impacts.

3.4 BIOLOGICAL RESOURCES

Issues	Potentially Significant Impact	Less Than Significant Impact with Mitigation Incorporation	Less than Significant Impact	No Impact
<u>BIOLOGICAL RESOURCES:</u> Would the Project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Have a substantial adverse effect, either directly or through habitat modifications, on any species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?*

No Impact. The Proposed Project is within an urbanized area in the City of Claremont. Proposed construction would occur below ground within an existing Caltrans paved vacant lot and within

public right-of-way streets. The Proposed Project construction staging areas would be located in previously developed or highly disturbed areas along the public right-of-way with no likelihood of special-status plant and wildlife species in the area. Database searches determined that the Proposed Project area does not provide suitable habitat for any special-status wildlife, plant, or vegetation communities. The Proposed Project would not modify any natural habitats and no habitat impacts would be associated with construction and operation of the Proposed Project.

b) *Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish or U.S. Fish and Wildlife Service?*

No Impact. Based on biological literature review, the Proposed Project would not fall within any riparian or sensitive natural community. Therefore, no impacts are associated with construction and operation of the Proposed Project.

c) *Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?*

No Impact. Based on biological literature review, the Proposed Project would not contain any water features that would qualify as a jurisdictional wetland as defined by Section 404 of the Clean Water Act. In addition, the Proposed Project would not directly remove, fill, or hydrologically interrupt federally protected wetlands. Therefore, no impacts are associated with construction and operation of the Proposed Project.

d) *Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?*

No Impact. The Proposed Project is not identified as part of a linkage system used by wildlife as movement corridors. The Proposed Project is located in an urbanized and heavily disturbed area and would not impact or interfere with established resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites. Therefore, no impacts would occur.

e) *Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?*

No Impact. The project site is an existing paved parcel and public-right-of way in a developed area that includes residential uses and no sensitive habitat. Vegetation in the area consists of non-native and ornamental species and thus construction and operation would not impact sensitive biological resources. The City of Claremont's Municipal Code does not contain ordinances protecting trees or other biological resources on private property. Although the City does protect trees located on City property or within the City's public right-of-way under Chapter 12.26 (City Trees) of the City of Claremont's Municipal Code. None of the trees are to be removed within the

City's property or public right-of-way and tree removal is not anticipated within the vacant paved lot as a result of the Proposed Project since there are no trees on the lot. Consequently, the Proposed Project would not conflict with local policies or ordinances protecting biological resources or trees and no impact would occur.

f) *Conflict with the provisions of an adopted habitat conservation plan, natural community conservation plan, or other approved local, regional, or state habitat conservation plan?*

No Impact. The project site is not within the boundaries of a Habitat Conservation Plan, nor are there any adopted habitat conservation plans located within the City of Claremont. The proposed Project would not cause a conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan. Therefore, no impact would occur in this regard.

3.5 CULTURAL RESOURCES

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<u>CULTURAL RESOURCES:</u> Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) *Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?*

Less Than Significant Impact. The City of Claremont General Plan identifies numerous nationally registered and significant historic buildings within the community. Buildings listed on the National Register of Historic Places include; the Pitzer House, the Claremont Depot, Padua Hills Theatre, Russian Village, and the original site of Scripps College. Other significant buildings include City Hall, the Post Office, Citrus Packing House, the Old-School House, Claremont Club House, and old stone buildings scattered throughout northern Claremont. These highly recognizable buildings are important cultural resources to the community (City of Claremont, 2006). Additionally, numerous neighborhoods and areas of the City are designated as having cultural significance. The Historic Claremont Zoning District was established in 1970, and the Arbol Verde Zoning District was created in 1991. In 1979, Russian Village was listed in the National Register as a historic neighborhood.

The proposed well site at the southeast end of the Grand Avenue cul-de-sac is located along the southern boundary of the North Claremont neighborhood. The proposed pipeline alignment is within the neighborhoods of North Claremont, Northeast Claremont, and along the boundary of Northeast Claremont and the Pomona Valley Protective Association (PVPA) Spreading Grounds along Padua Road north of Baseline Road, as shown on the *Neighborhoods Map* within the City of Claremont General Plan. The Proposed Project site nor the pipeline alignment are within the vicinity of any of the historic neighborhoods, nationally registered buildings, or significant historic buildings mentioned within the City of Claremont General Plan. Therefore, the Proposed Project would have a less than significant impact on the significance of a historical resource.

b) *Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?*

Less Than Significant Impact with Mitigation Incorporated. The Proposed Project site is located within a previously disturbed urban area near the 210 freeway, which was extended 14 miles and constructed from 1999 to 2002. Due to the location of the site and proposed pipeline alignments in previously disturbed areas, it is unlikely that any archaeological resources would be encountered. In addition, the City of Claremont General Plan does not identify any specific archaeological features or resources within the City, though it does state the need for their preservation and protection within the goals and policies of the Land Use, Community Character, and Heritage Preservation Element. If any archaeological resources are encountered during construction or excavation activities, all work shall be halted near the archaeological discovery until a qualified archaeologist can assess the significance of the archaeological resource.

On October 24, 2017, TVMWD notified California Native American tribes who had formally requested notification on CEQA projects under Assembly Bill 52. The following tribes were notified: San Gabriel Band of Mission Indians, Torres Martinez Desert Cahuilla Indians, Suboba Band of Luiseno Indians, and Gabrieleno Band of Mission Indians Kizh Nation. This notification afforded California Native American tribes the opportunity for consultation pursuant to Public Resources Code § 21080.3.1. TVMWD only received comments from the Gabrieleno Band of Mission Indians Kizh Nation and scheduled an in-person meeting to review the Proposed Project site. A cultural records search determined that no sensitive cultural resources were discovered within the Proposed Project site. Furthermore, no Native American cultural resources were discovered or encountered during the construction of the 210 Foothill Freeway extension in the early 2000's, which runs east and west immediately south of the proposed well site. The freeway extension involved excavating a swath of land approximately 200 feet wide by over 10 miles long. Therefore, the possibility that Native American cultural resources may be encountered during construction (ground disturbing) activities of the Proposed Project is very low. The Kizh Nation recommended that mitigation measures be implemented to reduce or avoid potential impacts to tribal cultural resources.

CUL-1: The Proposed Project Applicant shall be required to obtain the services of a licensed archeologist monitor during construction-related ground disturbance activities. Ground disturbance is defined as activities that include, but are not limited to, pavement removal, pot-holing or auguring, grubbing, boring, grading, excavation, drilling, and trenching, within the Proposed Project area. The monitor would be present on-site during the construction phases that involve any ground disturbing activities. The monitor would complete monitoring logs daily. The logs would provide descriptions of the daily activities, including construction activities, locations, soil, and any cultural materials identified. The monitor would be required to provide insurance certificates, including liability insurance, for any archaeological resource(s) encountered during grading and excavation activities pertinent to the provisions outlined in the California Environmental Quality Act, California Public Resources Code Division 13, Section 21083.2 (a) through (k). The on-site monitoring shall end when the Proposed Project site grading and excavation activities are completed.

c) *Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?*

Less Than Significant Impact with Mitigation Incorporated. Significant vertebrate fossils are not typically found in the uppermost layers of coarser grained alluvial deposits or previously disturbed and backfilled areas typical of the site. Therefore, construction and excavation activities are unlikely to encounter significant paleontological resources. Well drilling and development would occur in sedimentary deposits that may contain paleontological resources. However, the possibility of identification of paleontological resources is not feasible due to the nature of well drilling. If any paleontological resources are encountered during construction or excavation activities, a qualified paleontologist shall be contacted to assess the significance of the paleontological resource. In addition, mitigation measures CUL-1 and CUL-2 shall be implemented in order to reduce or avoid potential impact to paleontological resources or unique geologic features. Therefore, impacts would be less than significant with mitigation incorporated to this criterion.

d) *Disturb any human remains, including those interred outside of formal cemeteries?*

Less Than Significant Impact with Mitigation Incorporated. The Proposed Project would be constructed within an area of prior disturbance. There are no known human remains or known cemeteries within the vicinity of the project site, and no conditions exist that suggest human remains are likely to be found on the project site. It is not anticipated that implementation of the Proposed Project would disturb human remains, including those interred outside of formal cemeteries. However, ground-disturbing activities, such as grading or excavation, have the potential to disturb human remains. If human remains are found, those remains would require proper treatment, in accordance with applicable laws. As a result, mitigation measure CUL-2 shall be implemented in order to avoid or lessen potential impacts to human remains from the construction of the Proposed Project.

CUL-2: If human remains are encountered during ground disturbing activities, the applicant shall arrange a designated site location within the footprint of the Proposed Project area for the respectful reburial of the human remains and/or ceremonial objects. Any discoveries of human skeletal material shall be immediately reported to the County Coroner. The monitor shall immediately divert work at minimum of 50 feet and place an exclusion zone around the burial. The monitor shall then notify the applicant's qualified archaeologist and the construction manager who shall call the coroner. Work shall continue to be diverted while the coroner determines whether the remains are Native American. The discovery is to be kept confidential and secure to prevent any further disturbance. If Native American, the coroner shall notify the NAHC as mandated by state law. In the case where discovered human remains cannot be fully documented and recovered on the same day, the remains shall be covered with muslin cloth and a steel plate that can be moved by heavy equipment placed over the excavation opening to protect the remains. If this type of steel plate is not available, a 24-hour guard should be posted outside of working hours. The Tribe shall make every effort to recommend diverting the project and keeping the remains in situ and protected. If the project cannot be diverted, it shall be determined that burials will be removed. The Tribe shall work closely with the applicant's qualified archaeologist to ensure that the excavation is treated carefully, ethically, and respectfully. If data recovery is approved by the Tribe, documentation shall be taken which includes at a minimum

detailed descriptive notes and sketches. Cremations shall be removed in bulk to ensure complete recovery of all material. If the discovery of human remains includes 4 or more burials, the location is considered a cemetery and a separate treatment plan shall be created. The project applicant shall consult with the Tribe regarding avoidance of all cemetery sites. Once complete, a final report of all activities are to be submitted to the NAHC. The Tribe shall not authorize any scientific study or the utilization of any invasive diagnostics on human remains. If the coroner determines the remains represent a historic non-Native American burial, the burial shall be treated in the same manner of respect with agreement of the coroner. If the coroner determines the remains to be modern, the coroner shall take custody of the remains.

Each occurrence of human remains and associated funerary objects shall be stored using opaque cloth bags. All human remains, funerary objects, sacred objects, and objects of cultural patrimony shall be removed to a secure container on site if possible. These items shall be retained and reburied within six months of recovery. There shall be no publicity regarding any cultural materials recovered.

3.6 GEOLOGY AND SOILS

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<u>GEOLOGY AND SOILS:</u> Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving?				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building code (1997), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving?

- i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?

No Impact. The Project site is not located in an Alquist-Priolo Special Studies Zone, and no known active faults are mapped as crossing or projecting toward the project site area. Due to the absence of active faults near the Proposed Project, the risk of damage due to fault rupture during an earthquake is limited. In addition, no faults within or near the City have been placed within State of California established Alquist-Priolo Earthquake Fault Zones, which are subject to special land use controls and building standards. Therefore, no impact would occur.

- ii. Strong seismic ground shaking?

Less Than Significant Impact. Claremont is in a seismically active region and residents could potentially be exposed to dangers caused by earthquakes and ground shaking. Construction of the well, pipeline, and building enclosure would comply with all relevant local and state seismic safety standards, including the California Building Code. Therefore, impacts associated with ground shaking would be less than significant.

- iii. Seismic-related ground failure, including liquefaction?

Less Than Significant Impact. Liquefaction occurs when ground water is forced out of the pores of soil as it subsides. This excess water momentarily liquefies the soil, causing an almost complete loss of strength. If this layer is at the surface, its effect is much like that of quicksand for any structure located on it. If the liquefied layer is in the subsurface, the material above it may slide laterally depending on the confinement of the unstable mass. The risk of liquefaction at the Project site is low due to the depth to groundwater being greater than 100 feet below ground surface (bgs). The Proposed Project area is generally flat with a zero to five percent slope. On the other side of the Caltrans sound wall, there is artificial slope that is relatively steep. Areas subject to slope instability contain slopes of 30 percent or greater. The Project site is also shown to be outside of any area likely to be effected by landslides or liquefaction in the *Earthquake Induced Landslides and Liquefaction Map*, within the City of Claremont General Plan (City of Claremont, 2006). Therefore, effects related to slope instability, liquefaction, or landslides at the Project site would be less than significant.

- iv. Landslides?

Less Than Significant Impact. Landslides often occur during or after strong earthquakes. According to the City of Claremont General Plan Safety Element, the Project site is identified as susceptible to landslides. However, the Project does not involve construction of habitable structures. Therefore, Project impacts related to exposing people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving landslides would be less than significant.

b) *Result in substantial soil erosion or the loss of topsoil?*

Less Than Significant Impact. There would be no loss of topsoil or erosion involved with subsurface trenching for the conveyance piping and underground utilities. Short-term erosion impacts due to general construction activities are anticipated. Exposed soils from excavation activities are susceptible to erosion by vehicle traffic, wind, and rain. Heavy rains may cause run off into public rights-of-way and/or storm drainage systems. The contractor would develop and implement an erosion control plan to mitigate the loss of soil from the Proposed Project site. The erosion control plan would implement Best Management Practices (BMPs) including, but not limited to, the placement of sandbags and straw wattles around the well drilling site and any soil stockpiles. The development and implementation of an erosion control plan would keep impacts resulting from construction to less than significant levels. The Proposed Project site would be paved or covered with gravel and no areas of exposed soil would be exposed to the erosional effects of wind or water. As such, a less than significant impact on soil erosion or loss of topsoil is expected as a result of construction and operation of the Proposed Project.

c) *Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?*

Less Than Significant Impact. A Stormwater Pollution Prevention Plan (SWPPP) is not required and would not be prepared since the project size area is less than one acre. In addition, the Proposed Project would comply with NPDES permits and a settling system would be installed for water control of approximately 800 gallons per minute. The release of water would be gradual and would not be released all at once nor during a rainstorm event. Construction of the well and pipeline would not occur during the rainy season and therefore impacts would be less than significant.

d) *Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building code (1997), creating substantial risks to life or property?*

No Impact. Expansive soils generally have a significant amount of clay particles which can give up water (shrink) or take on water (swell). The change in volume exerts stress on buildings and other loads placed on these soils. The extent of shrink/swell is influenced by the amount and kind of clay in the soil. The occurrence of these soils is often associated with geologic units having marginal stability. The distribution of expansive soils can be widely dispersed and they can occur in hillside areas as well as low-lying alluvial basins. No expansive soil conditions are identified on the Project site. Consequently, there would be no impact related to expansive soils.

e) *Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?*

No Impact. The Proposed Project does not include the construction of new septic tanks or alternative wastewater disposal systems. Therefore, no impact would occur.

3.7 GREENHOUSE GAS

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
GREENHOUSE GASES: Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

a) *Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?*

Less Than Significant Impact. On-site grading and construction activities would generate carbon dioxide, which is a primary component of greenhouse gas (GHG) emissions. To assess the potential short-term air quality impacts of the Proposed Project, this analysis relies on the City of Claremont General Plan Final Environmental Impact Report (EIR). The Final EIR relies on compliance with AB 32 (California Global Warming Solutions Act of 2006) implementation guidance as a benchmark for evaluating the significance of greenhouse gas emissions associated with the General Plan. Implementation of the GHG reduction strategies and measures in the City of Claremont General Plan to achieve its GHG reduction target of 15 percent below 2009 levels by 2020. This is within the threshold set by AB 32. Consequently, the Final EIR finds that greenhouse gas emissions associated with the General Plan would be less than significant. Similarly, because the Proposed Project is consistent with the City of Claremont General Plan, it would result in less than significant greenhouse gas emissions.

b) *Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?*

Less Than Significant Impact. The Legislature enacted AB 32 the California Global Warming Solutions Act of 2006, which was signed on September 27, 2006, to further the goals of Executive Order S-3-05. (Health and Safety Code, S38500 et seq.) AB 32 requires the California Air Resources Board (CARB) to adopt statewide greenhouse gas (GHG) emissions limits to achieve statewide GHG emissions levels realized in 1990 by 2020. A longer-range goal requires an eighty percent (80%) reduction in GHG emissions from 1990 levels by 2050. CARB adopted the 2020 statewide target and mandatory reporting requirements in December 2007 and a statewide scoping plan in December 2008 (the AB 32 Scoping Plan).

The Proposed Project would not conflict with any applicable plan, policy or regulation adopted for the purpose of reducing GHG emissions. Implementation of the GHG reduction strategies and measures in the City of Claremont General Plan to achieve its GHG reduction target consistent with AB 32. Consequently, the Final EIR finds that the General Plan would result in less than significant impacts relative to conflicts with applicable GHG policies. Similarly, because the Proposed Project is consistent with the City of Claremont General Plan, it also would result in less than significant impacts relative to conflicts with applicable GHG policies.

3.8 HAZARDS AND HAZARDOUS MATERIALS

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
HAZARDS AND HAZARDOUS MATERIALS: Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- a) *Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?*

Less Than Significant Impact. The Proposed Project would not utilize acutely hazardous materials (as defined in Title 22 Cal. Code Regs. § 66260.10). Hazardous materials that may be utilized include diesel fuel, gasoline, oils, and solvents typically associated with standard construction vehicles and equipment. All materials would be routinely transported, used, and disposed of in accordance with any applicable laws, regulations, and protocols that protect the environment, the public, and workers. TVMWD currently has a Spill Prevention Control and Countermeasures Plan (SPCC), which helps to minimize occurrences and effects of hazardous or toxic spills and leaks during water treatment activities. No water treatment activities would occur at the well site as water will be pumped to the Miramar Treatment Plant. Once the Proposed Project is constructed, TVMWD would update SPCC to include a site-specific plan for Well No. 4. Compliance with all applicable laws and regulations would reduce the potential impact associated with the routine transport, use, storage, or disposal of hazardous materials to a less than significant level.

- b) *Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?*

Less Than Significant Impact. The Proposed Project would utilize limited amounts of hazardous materials such as gas, diesel fuel, oils, and solvents associated with standard construction vehicles and equipment. Reasonably foreseeable upset and accident conditions could include small spills or leaks. However, impacts are considered less than significant due to the limited amounts of hazardous materials that would be used.

- c) *Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?*

Less Than Significant Impact. No existing or proposed schools have been identified within 0.25 mile of the Proposed Project site. However, one school, Western Christian School, is located on Padua Avenue directly adjacent to the west of the proposed pipeline route to the Miramar Treatment Plant. The Proposed Project would utilize limited amounts of hazardous materials such as gas, diesel fuel, oils, and solvents associated with standard construction vehicles and equipment, within the public right-of-way. All materials would be routinely transported, used, and disposed of in accordance with any applicable laws, regulations, and protocols that protect the environment, the public, and workers. Therefore, the Proposed Project would have less than significant impacts on existing or proposed schools.

- d) *Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?*

No Impact. The Proposed Project is not located within any sites that are included on a list of hazardous materials sites pursuant to Government Code Section 65962.5. Therefore, the Proposed Project would not create a significant hazard to the public or environment.

e) *For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?*

No Impact. The Proposed Project is not located within an airport land use plan or within two miles of a public airport. Therefore, the Proposed Project would not result in a safety hazard for people working or residing in the Project area.

f) *For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?*

No Impact. The Proposed Project is not located within the vicinity of a private airstrip. Therefore, there would be no impacts to people residing or working in the Project area.

g) *Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?*

Less Than Significant Impact. The Proposed Project would not impair or physically interfere with an adopted emergency response plan or emergency evacuation plan. The Proposed Project would construct a new water well on a vacant paved former Caltrans parcel (that is owned by TVMWD) and install a new pipeline connecting the well to the Miramar Treatment Plant within public right-of-way. Grand Avenue is a public street that is located along the western property line of the vacant lot. This portion of the street provides emergency access to the Stone Creek Townhomes located to the west of Grand Avenue. Construction activities would not interfere with the emergency vehicles ability to access the Stone Creek townhomes. The turning radius of fire trucks to access the Stone Creek townhomes during an emergency response would be coordinated and discussed with the Fire Department prior to construction to ensure emergency vehicle access is maintained during construction. In addition, coordination of temporary lane closures would occur with the City of Claremont Community Development Department, to ensure that all roadways along the installation of the new water pipeline alignment would remain accessible to emergency vehicles. Any traffic detours would take into account emergency response and evacuation procedures. After construction, fire access would be available to the well building. Therefore, construction activities and well operations would create a less than significant impact.

h) *Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?*

No Impact. The Proposed Project is not located within wildlands. Construction activities related to installation of the water pipeline would be restricted to within the street. Appropriate fire safety and control measures shall be implemented throughout the duration of construction. Therefore, no impacts associated with construction are expected.

3.9 HYDROLOGY AND WATER QUALITY

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<u>HYDROLOGY AND WATER QUALITY:</u> Would the project:				
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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a) *Violate any water quality standards or waste discharge requirements?*

Less Than Significant Impact. During drilling and testing of the well, the water generated during pumping would be discharged to the local storm drain. The TVMWD would comply with its NPDES discharge permit to avoid water quality impacts to waters downstream. The total volume of water anticipated to be generated as a result of the well development and testing is approximately 4,500,000 gallons. In addition, soil bins and temporary holding tanks for drilling fluids would also be staged at the well location. Soil exposure during excavation, grading, and other construction activities may allow for possible erosion and runoff into storm drains. Proposed Project grading is anticipated to be less than 0.08 acre; therefore, a formal stormwater pollution prevention plan is not required. However, because of the proximity to residences adjacent to the Project site and the pipeline alignment, the contractor, as part of the standard contract, would utilize best management practices (BMPs) to minimize soil and debris from being tracked or otherwise distributed to the adjacent residences. Thus, although construction of the Proposed Project has the potential to violate water quality standards during construction, the soil exposure would be temporary, localized, and undertaken with BMPs to control runoff and erosion, thereby resulting in less than significant impact due to erosion or runoff.

b) *Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?*

Less Than Significant Impact. The Three Valleys Municipal Water District Six Basins Strategic Plan identifies that the overall San Gabriel Valley Groundwater basin is designated as a “high priority” basin. It is not, however, considered a “critically over drafted” basin. The 1998 adjudication of the Six Basins and the Stipulated Judgement is in force and charges the Water master with operating the basin to maintain a “safe yield.” The Six Basins are not subject to compliance with the Sustainable Groundwater Management Act of 2014 (SGMA), but they are under the jurisdiction of the Six Basins Water master and subject to the Six Basins Judgment, which serves as the groundwater management plan for the basins. The Strategic Plan provides management strategies beyond the Stipulated Judgment. Wildermuth Environmental is the Water master for the basin and is responsible for ensuring that the basin is managed to meet sustainable safe yield goals. The Proposed Project would pump groundwater from the Upper Claremont Heights Basin and would discharge it into an 8-inch diameter untreated water main. The Upper Claremont Heights Basin is adjudicated and subject to a physical solution that stipulates it be operated within a sustainable yield. TVMWD has a storage account within the basin. Groundwater pumped from the well would be in accordance with the storage agreement in accordance with the

Judgement. The groundwater quality in the vicinity of the Grand Avenue Well site is generally expected to be very good. That area includes geology and land use that promote natural and artificial replenishment through surface spreading. The more southerly and westerly portions of the Six Basins generally see higher levels of nitrate and volatile organic compounds (VOCs) due to past agricultural land use and industrial contamination, respectively. Many producers with wells in this area employ wellhead treatment facilities that allow delivery of the groundwater for potable use.

Pumping from the Grand Avenue Well would create a localized cone of depression that would extend out in accordance with the hydrogeologic properties of the aquifer. As there are existing wells located in the vicinity of the proposed Grand Avenue Well, there is the potential for pumping interference. Analysis of potential lowered groundwater levels as a result of Grand Avenue Well pumping was conducted by Wildermuth Environmental for the Six Basins Water master (Appendix B). The analysis predicted a maximum of approximately 20 feet of groundwater level lowering at the well over the 54-year hydrologic simulation period analyzed by Wildermuth Environmental. Groundwater levels at the nearest existing wells, which are approximately 1,300 ft. away, are predicted to be as much as approximately 13 feet lower over the 54-year model simulation period as a result of Grand Avenue Well Pumping interference. In addition to the Grand Avenue Well, TVMWD may construct and pump an additional new well (Well 3), which is approximately 1.3 miles west of the Grand Avenue Well. The cumulative groundwater level lowering at the existing wells closest to the Grand Avenue Well is predicted to be on the order of 21 feet, if Well 3 is constructed and both the Grand Avenue Well and Well 3 are pumping. As documented in Wildermuth Environmental (Appendix B), maximum groundwater pumping from the Grand Avenue Well and Well 3 are unlikely to cause groundwater levels to decline below sustainability thresholds for other wells in the basin. It is possible that the resulting lower groundwater level would cause increased pumping lift for other wells, particularly during periods of below normal precipitation when groundwater levels are already low. During wet periods when groundwater levels are high, pumping of the Grand Avenue Well would be beneficial to mitigate high groundwater levels in areas of liquefaction potential. Therefore, the Proposed Project would have less than significant impacts to the potential depletion of groundwater supplies or interference with groundwater recharge.

- c) *Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?*

Less Than Significant Impact. The Proposed Project would be constructed on a vacant asphalt paved lot located at the end of the cul-de-sac of Grand Avenue. The pipeline would be buried beneath currently paved streets. The current draining pattern of the Proposed Project site allows water runoff to flow to an existing storm drain at the end of the cul-de-sac near the Project site. In order to construct (drill) the proposed well, it would be necessary to extend a portion of the existing curb and gutter located in the southwest edge of the church parking lot. This would allow the rainfall runoff to be directed towards the west into Grand Avenue and then flow south for a short distance towards the existing catch basin which has sufficient capacity to accommodate the

anticipated runoff. The existing curb and gutter currently directs (allows) rain fall run off from a portion of the church property through the Proposed Project site and would not interfere with construction and operation of the well. The engineering hydrology (run off) calculations indicate the resulting potential impacts would be less than significant (please see Appendix C). Therefore, there would be less than significant impact to this criterion.

- d) *Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?*

Less Than Significant Impact. The Proposed Project would be constructed on a vacant asphalt paved lot abutting the 210 freeway. The pipeline would be constructed along paved roads within the public-right-of-way. The existing grades of the Proposed Project would be analyzed and an analysis of the capacity of the existing catch basin would be performed in order to ensure the rate or amount of surface run off would not result in flooding on-or off-site. Construction of the Proposed Project would not alter the course of a stream or river nor would it change the rate or amount of surface runoff that would result in erosion or flooding to the nearby Stone Creek town homes or on Grand Avenue. Operation of the Proposed Project would occur at grade or below ground and would not alter the existing grade, drainage pattern of the area, or substantially increase the rate or amount of surface runoff. Therefore, less than significant impact is anticipated as a result of construction and operation of the Proposed Project.

- e) *Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?*

Less Than Significant Impact. The Proposed Project facilities would be constructed within existing disturbed areas. No flooding would occur on or off-site as a result of the proposed drainage modifications. Any new impervious surface areas would be minimal and be conveyed using standard drainage BMP. Thus, there would be less than significant impacts to this criterion.

- f) *Otherwise substantially degrade water quality?*

Less Than Significant Impact. The Proposed Project would deliver groundwater to the Miramar Treatment Plant for treatment and disinfection prior to delivery to potable use customers. The well would be drilled utilizing standard well drilling procedures and sanitary seals. Therefore, the impact to water quality would be less than significant.

- g) *Place housing within a 100-year flood hazard area as mapped on a federal flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?*

No Impact. No residential housing would be constructed as part of the Proposed Project. As a result, construction and operation of the Proposed Project would not place housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Map or Federal Flood Insurance Map. Therefore, no impacts would occur under this criterion as a result of the Proposed Project.

h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?

No Impact. The Proposed Project site is not located within a 100-year flood hazard area and no habitable structures would be constructed as part of the Proposed Project that would be placed within a 100-year flood hazard area. The Proposed project site is located in an area designated as "Zone X- Area of Minimal Flood Hazard" on the effective Flood Insurance Rate Map (FIRM) published by the Federal Emergency Management Agency (FEMA). As a result, no impacts would occur.

i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?

No Impact. The components of the Proposed Project are not located near a dam or levee, therefore, there would be no risk of injury or flooding as a result of a levee or dam failure. No impacts would occur.

j) Inundation by seiche, tsunami, or mudflow?

No Impact. A tsunami is a series of waves generated in a body of water by pulsating or abrupt disturbance that vertically displaces water. Inundation of the Proposed Project's site by a tsunami is highly unlikely as the Proposed Project site is approximately 50 miles northeast from the Pacific Ocean at an elevation of approximately 1,487 feet above sea level. In addition, there are no enclosed bodies of water within the vicinity of the Proposed Project. Because the Proposed Project is not located adjacent to any enclosed bodies of water, no seiche, mudflow or tsunami related flooding is anticipated to occur on site. No impacts would occur.

3.10 LAND USE AND PLANNING

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
LAND USE AND PLANNING: Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Physically divide an established community?*

No Impact. The Proposed Project would not physically divide an established community. The Proposed Project consists of a groundwater well and associated underground piping. The Proposed Project would not construct any residential homes on the project site. The Proposed Project would include a small building to house the well head and electrical facilities only. There are no existing structures on the Proposed Project site. Therefore, the Proposed Project would not impact established communities.

b) *Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?*

Less Than Significant Impact. The Proposed Project would not conflict with any applicable land use plan, policy, or regulation of an agency. The Proposed Project operations would occur mostly underground and would not impose impacts on surrounding or off-site land uses. The Proposed Project is located on a former Caltrans lot that is owned by TVMWD and is designated as a County of Los Angeles land use, but in the jurisdiction of the City of Claremont. Therefore, less than significant impacts are anticipated to result from the Proposed Project.

c) *Conflict with any applicable habitat conservation plan or natural community conservation plan?*

No Impact. According to the Open Space Element of the City of Claremont General Plan, the Proposed Project would not conflict with any applicable habitat conservation plan or natural community conservation plan. No off-site impacts are anticipated from the Project. No impacts are anticipated to occur from conflicts with any applicable habitat conservation plan or natural community conservation plan.

3.11 MINERAL RESOURCES

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<u>MINERAL RESOURCES:</u> Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

a) *Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?*

Less Than Significant Impact. The Proposed Project would not result in the loss of availability of a known mineral resource that would be of value because the Proposed Project and construction activities would not result in a significant removal of soil. The soil that would be displaced by the Proposed Project would be moved off-site and reused in order to preserve potentially significant minerals. The Proposed Project would not result in the loss or availability of mineral resources that would be of value to the region. Therefore, the Proposed Project would have a less than significant impact to mineral resources.

b) *Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?*

Less Than Significant Impact. The City of Claremont General Plan states that the area outlined for the Proposed Project is classified as a Mineral Resource Zone 2 (MRZ-2). A MRZ-2 region is not known to have significant mineral resources. Therefore, the construction and operation of the Proposed Project would not result in significant loss of availability of locally important mineral resources as designated by the City of Claremont. The Proposed Project would not result in a significant removal amount of excess soil. Therefore, the Proposed Project would have a less than significant impact on the loss of availability of a locally important mineral resource.

3.12 NOISE

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
NOISE: Would the project:				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Exposure of persons to or generation of excessive ground borne vibration or ground borne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?*

Less Than Significant Impact with Mitigation Incorporated. The Noise Element regulates noise in the City of Claremont General Plan. The Noise Element references the community noise exposure level (CNEL) standard for single-family in the City of Claremont as 60 CNEL as “normally acceptable.” City of Claremont General Plan shows that existing residential noise levels surrounding the Proposed Project site are also no more than 65 CNEL. The Proposed Project abuts the 210 Freeway, which is a major source of noise with typical CNEL levels exceeding 70 decibels. The General Plan sets both day and night maximum allowable noise levels for residential land uses by designating “noise zones.” The Proposed Project site is adjacent to residential uses to the west and the 210 freeway to the south and east. The pipeline’s length would be bordered by residential uses throughout most of its length, as well as sensitive receptors such as a church and a school.

Construction of the Proposed Project would include the operation of conventional construction equipment that could exceed noise level standards adopted by the City. The potential noise impact on the surrounding residences and church during well construction activities and operation of the well are potential noise concerns for the Proposed Project. Due to the distance between the Proposed Project well enclosure and the Stone Creek town homes, it is anticipated that the Project would not cause a permanent increase in noise in the Project vicinity or neighborhood. Temporary Project noise impacts to the residences that are immediately adjacent to the Project well site during well drilling and construction would be mitigated with the installation of temporary sound walls to be placed between the well site and residences in order to comply with the Claremont noise standards. Additionally, construction of the pipeline may occur during the summer months, when school is out of session to avoid potential noise impacts to the school. Proposed Project operation would be supported by an electric pump, which produces limited noise. The well pump and motor would be housed in an enclosure that would also reduce noise levels associated with operation. The well enclosure would have engineered sound panels to reduce noise levels during well pump operation. Operation and construction of the Proposed Project is not expected to substantially increase ambient noise levels or exceed an established threshold. However, mitigation is identified below to reduce this potential impact to a less than significant level.

Mitigation Measures

NOS-1: For all construction related activities, noise attenuation techniques shall be employed as needed to ensure that noise remains as low as possible during construction. The following potential noise attenuation techniques shall be incorporated into contract specifications to reduce the impact of construction noise:

- Construction equipment shall be equipped with properly operating and maintained mufflers consistent with manufacturer's standards.
- Noise-generating construction equipment and construction staging areas shall be located away from sensitive receptors, where feasible.
- During well drilling and construction, a 24-ft high noise attenuation panels shall be placed between the well site and nearby residences.
- High noise-producing activities shall be scheduled between the hours of 7:00 a.m. and 5:00 p.m. to minimize disruption to sensitive receptors.
- Construction of the new pipeline in the vicinity of the school (Western Christian) may occur during the summer months to limit noise exposure to the adjacent school. Normal construction for the pipeline shall take place Monday through Saturday to limit noise exposure to the adjacent church and residential housing.

- All stationary construction equipment (e.g. air compressor, generators, impact wrenches, etc.) shall be operated as far away from residential uses as possible and shall be shielded with temporary sound barriers, sound aprons or sound curtains.
- Construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than 30 minutes.
- During normal construction activities, the job superintendent shall limit construction-related activities to between the hours 7:00 a.m. and 6:00 p.m. Monday through Saturday. There would be critical periods during well drilling construction that would require continuous (24/7) construction activities. The estimated total duration of the various critical 24/7 construction periods is about 20 to 30 days.
- Clearly post construction hours, allowable workdays, and the phone number of the job superintendent at all construction entrances to allow the surrounding property owners/occupants to contact the job superintendent. If the City or the job superintendent receives a complaint, the superintendent shall investigate, take appropriate corrective actions, and report the actions to the complainant.
- Engineered sound panels shall be installed inside of well enclosure/building in order to reduce potential operation noise levels.

b) *Exposure of persons to or generation of excessive ground borne vibration or ground borne noise levels?*

Less Than Significant Impact. Vibration refers to ground borne noise and perceptible motion. Typical sources of ground borne vibration are construction activities (e.g., blasting, pile driving, and operating heavy-duty earthmoving equipment), steel-wheeled trains, and occasional traffic on rough roads. The United States Department of Transportation Federal Transit Administration (FTA) provides guidelines for maximum-acceptable vibration criteria for different types of land uses. These guidelines allow 80 VdB for residential uses and buildings where people normally sleep. Well construction activity can result in varying degrees of groundborne vibration, depending on the equipment and methods used, distance to the affected structures and soil type. Construction equipment such as air compressors, light trucks, hydraulic loaders, etc., generates little or no ground vibration. Occasionally large loaded trucks can cause perceptible vibration levels at close proximity. The FTA guidelines of 80 V dB for sensitive land uses provide the basis for determining the relative significance of potential Proposed Project related vibration impacts. The well drilling rig is the largest piece of equipment. The Proposed Project anticipates that groundborne vibration activities would cause only intermittent, localized intrusion with no vibration exceeding the 80 VdB at the nearest offsite residences during construction. On the other hand, operation of the Proposed Project would not substantially increase ambient noise levels nor expose persons to excessive ground borne vibration since the new pipeline would be placed underground and the water well would be located in an enclosed building/structure. Therefore, Proposed Project impacts would be less than significant.

- c) *A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?*

Less Than Significant Impact with Mitigation Incorporated. Noise from the Proposed Project would typically be generated during drilling construction of the ground water well and pipeline construction in the public right-of-way. Project-related noise may derive mainly from the well motor which would be located inside of the well enclosure. Typically, a well pump motor housing is designed to limit near field noise levels ranging from 75 to 80 dB(A) at 50 feet. The property boundary of the closest existing residences is located approximately 50 feet from the proposed well. Without the benefit of any enclosures for attenuation, the sound level would exceed City of Claremont noise standards. An enclosed block building could provide 30-35 dB of noise attenuation for a resultant noise level of 40-45 dB, such that the noise standard of 55-60 dB would be met at the nearest sensitive use. Maximum estimated levels would occur on the side of the building where the vent is located. Therefore, the building's vent should be located on the east of the site so that any noise is directed away from the closest residences west of the Project site. In addition, mitigation measure NOS-1 shall be implemented to reduce the potential construction noise impacts to less than significant. Therefore, the Proposed Project would have less than significant impact with mitigation incorporated to ambient noise levels in the vicinity of the Project site.

- d) *A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?*

Less Than Significant Impact with Mitigation Incorporated. Operations of the Proposed Project could potentially contribute to ambient noise levels. However, construction of the new pipeline would be placed underground and construction of the water well would be located in an enclosed structure that would be fitted with engineered sound panels to reduce long-term potential operational noise. In addition, temporary or periodic increases in ambient noise levels would occur during the construction of the Proposed Project. However, City noise standards limit construction hours for activities that may exceed an applicable noise standard. Therefore, construction activities occurring during these times must adhere to the City's noise level standards. Noise generated during the construction phase would be temporary and would cease once construction has been completed. Because construction activities may generate noise in excess of City noise standards, Mitigation Measure NOS-1 has been identified. In addition, noise levels would be monitored periodically by TVMWD around the project location to ensure the Proposed Project complies with City of Claremont noise standards. Adherence to this measure in addition to compliance with City noise regulations would reduce impacts associated with this issue to a less than significant level with mitigation incorporated.

- e) *For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the Project Area to excessive noise levels?*

Less Than Significant Impact. The Proposed Project is located approximately 2 miles east of the Cable Airport in Upland. The Cable Airport is a non-towered public use airport. There would be less than significant impact from the Proposed Project.

f) *For a project within the vicinity of a private airstrip, would the project expose people residing or working in the Project Area to excessive noise levels?*

No Impact. The Proposed Project is not within the vicinity of a private airstrip. No impact would occur.

3.13 POPULATION AND HOUSING

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
POPULATION AND HOUSING: Would the project:				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a)

a) *Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?*

No Impact. The Proposed Project would not induce substantial population growth in the area, directly or indirectly. Construction personnel is anticipated to come from local areas, with no impacts occurring on population growth. Construction and operation of the Proposed Project would increase TVMWD's capability to extract groundwater within the Six Basins and would only benefit the existing regional TVMWD member agencies. No growth-inducing impacts are anticipated to occur from construction or operations of the Proposed Project as it would only benefit existing regional customers. Therefore, substantial population growth would not result from the Proposed Project.

b) *Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?*

No Impact. The Proposed Project would not displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere. The Proposed Project includes the construction of a new ground water well on a vacant lot and associated pipelines that are subterranean along the public right-of-way. No existing residential homes would be displaced. Therefore, the construction of replacement housing due to the displacement of existing housing would not result from the Proposed Project.

c) *Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?*

No Impact. The Proposed Project would not displace substantial numbers of people, necessitating the construction of replacement housing elsewhere. The Proposed Project includes the construction of a new ground water well on a vacant lot and associated pipelines that are subterranean along the public right-of-way. No existing residential homes would be displaced. Therefore, no impacts would occur.

3.14 PUBLIC SERVICES

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
PUBLIC SERVICES: Would the project:				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impact, in order to maintain acceptable service ratios for any of the public services:				
Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impact, in order to maintain acceptable service ratios for any of the public services:*

i. Fire protection?

No Impact. The Proposed Project would not result in the need for new or physically altered governmental facilities for fire protection causing adverse physical impacts. There would be no additional residential developments built because of the Proposed Project that would cause response times for fire protection and emergencies to increase. Therefore, no impacts would occur.

i. Police protection?

No Impact. The Proposed Project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, such as police protection, or have the need for new or physically altered governmental facilities. Local population numbers would not increase due to the Proposed Project. Therefore, the police

protection ratios would remain the same and there would be no additional need for police protection. Therefore, no impacts would occur.

ii. Schools?

Less Than Significant Impact. The Proposed Project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, such as schools, or have the need for new or physically altered governmental facilities. The local population numbers would not increase due to the Proposed Project. There would be no need for construction of new school facilities. Potential impacts could occur to the Western Christian School during construction of the pipeline within the public-right-of-way. However, construction may occur during the summer and outside the school session or during non-rush hour commuting hours. Therefore, potential impacts would be less than significant.

iii. Parks?

Less Than Significant Impact. The Proposed Project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, such as parks, or have the need for new or physically altered governmental facilities. There would not be an increase in local population numbers due to the Proposed Project that would increase the demand for public services such as parks. The nearest park, June Vail Park, is one mile north of the pipeline's route on Padua Avenue, but its main point of entry is oriented away from the pipeline, shielding it from the majority of potential temporary construction impact. Therefore, potential impacts would be less than significant.

iv. Other public facilities?

No Impact. The Proposed Project would not require the need for new or physically altered governmental public facilities. No other public facilities are located adjacent to the Proposed Project site. Therefore, no impacts would occur.

3.15 RECREATION

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
RECREATION: Would the project:				
a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?*

No Impact. The Proposed Project would not increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated. The nearest park, June Vail Park, is located one mile north of the pipeline's route on Padua Avenue, but its main point of entry is oriented away from the pipeline, shielding it from the majority of potential temporary construction impact. Construction of the Proposed Project would occur on a vacant lot with no direct or indirect relation to recreational use. The construction and operation of the Proposed Project would provide a benefit to existing regional TVMWD member agencies and would not generate an increase of local population. No population growth would be generated that would increase the use and deterioration of existing recreational facilities. Therefore, no impacts to existing neighborhood and regional parks or other recreational facilities are anticipated to result from the Project.

b) *Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?*

No Impact. The Proposed Project would not require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment. The Proposed Project is comprised of a subterranean well and associated pipeline that would be implemented on a vacant lot and public right-of-way. The Proposed Project would not include recreational facility components. Therefore, no impacts to recreational facilities that would create an adverse physical effect on the environment would result from the Project.

3.16 TRANSPORTATION AND TRAFFIC

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
TRANSPORTATION AND TRAFFIC: Would the project:				
a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable congestion management program, including but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of*

the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?

Less Than Significant Impact. The drill rig and equipment to construct the well is considered a negligible increase for a temporary duration. Well operations would require occasional deliveries and manpower. Therefore, the Proposed Project construction and operations would not conflict with any applicable plan that measures the effectiveness of the circulation system in the City. In addition, construction of the proposed pipeline would have minimal traffic control impacts to the local circulation system. Construction related vehicles would only temporarily effect the performance of the local circulation system during the construction phase. In addition, the Proposed Project site is located at the end of a cul-de-sac and operational impacts would be less than significant and would not conflict with applicable plans, ordinance or policies.

b) Conflict with an applicable congestion management program, including but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

Less Than Significant Impact. The Proposed Project would not conflict with an applicable congestion management program. The proposed pipeline would produce minimal traffic control impacts to the local circulation system. In addition, construction related vehicles would temporarily effect local circulation traffic during the construction phase of the Proposed Project. Therefore, the Proposed Project would result in less than significant impacts from conflict with an applicable congestion management program.

c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

No Impact. The Proposed Project would not result in a change in air traffic patterns. The nearest airport is the Cable Airport, which is located greater than 2 miles east of the Proposed Project. Air traffic levels would not increase as a result of the Proposed Project. Therefore, the Proposed Project would not impact air traffic patterns.

d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less Than Significant Impact. The Proposed Project would not substantially increase hazards due to a design feature or incompatible uses. The Proposed Project is comprised of a groundwater well and associated underground piping. Roads which undergo pipeline installation would be repaved following construction activities. Therefore, the Proposed Project would result in less than significant impacts for substantial increase in hazards due to a design feature or incompatible uses.

e) *Result in inadequate emergency access?*

Less Than Significant Impacts. The Proposed Project is located on a vacant lot that abuts the 210 freeway and church parking lot. Emergency fire vehicle access to the Stone Creek town homes would be maintained during construction of the water well. The turning radius of the fire truck would be discussed and coordinated with the local Fire Department. In addition, associated pipelines would be constructed within the public right-of-way and would not interfere with emergency access. Roads may be temporarily limited to one lane during construction but, appropriate traffic control measures and devices will be used that comply with the Work Area Traffic Control Handbook (WATCH). However, there would be no changes to the street system during operations. Therefore, the Proposed Project would not result in inadequate emergency access and less than significant impacts are anticipated.

f) *Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?*

No Impact. The Proposed Project would not conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities. The Proposed Project would comply with emergency access requirements, ADA regulations, and Caltrans personnel/staff access to the existing sliding door in the Caltrans sound wall bordering the parcel. A site plan illustrating compliance to these regulations would be shared with the City Community Development Department prior to permits being pulled in order to provide courtesy notification to city staff. Therefore, no impacts would occur.

3.17 TRIBAL CULTURAL RESOURCES

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
TRIBAL CULTURAL RESOURCES: Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) *Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or,*

Less than Significant Impact with Mitigation Incorporated. As stated in Section 3.5, the Proposed Project site is located within a previously disturbed urban area and near the 210 freeway, which was extended 14 miles and constructed between 1999 to 2002. Within the Project area, there are no resources listed within the California Register of Historical Resources or any local registers. Due to the location of the site and proposed pipeline alignments in previously disturbed areas, it is unlikely that any archaeological resources or tribal cultural resources would be encountered. In addition, the City of Claremont General Plan does not identify any specific archaeological features or resources within the City, though it does state the need for their preservation and protection within the goals and policies of the Land Use, Community Character, and Heritage Preservation Element. If any tribal cultural resources are encountered during construction or excavation activities, all work shall be halted near the discovery. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the resources of significance would be considered and assessed by California Native American tribes. The Gabrieleno Band of Mission Indians has reviewed the Initial Study and has met with TVMWD to discuss the Project site and its proximity to potential tribal cultural features (trade routes and village sites) that may result in a higher probability to encounter tribal resources within the soil layers of the Project area. Therefore, mitigation measure CUL-1 and CUL-2 shall be implemented in order to ensure tribal cultural resources are preserved.

Additionally, there are no known human remains or known cemeteries within the vicinity of the Project site, and no conditions exist that suggest human remains are likely to be found near the Project site. It is not anticipated that implementation of the Proposed Project would disturb human remains, including those interred outside of formal cemeteries. However, ground-disturbing activities, such as grading or excavation, have the potential to disturb human remains. If human remains are found, those remains would require proper treatment, in accordance with applicable laws. Therefore, mitigation measure CUL-2 shall be implemented in order to reduce or avoid potential impacts to tribal cultural resources from construction of the Proposed Project.

b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

Less Than Significant Impact with Mitigation Incorporated. On October 24, 2017, TVMWD notified California Native American tribes who had formally requested notification on CEQA projects under Assembly Bill 52. The following tribes were notified: San Gabriel Band of Mission Indians, Torres Martinez Desert Cahuilla Indians, Suboba Band of Luiseno Indians, and Gabrieleno Band of Mission Indians - Kizh Nation. This notification afforded California Native American tribes the opportunity for consultation pursuant to Public Resources Code § 21080.3.1. TVMWD only received comments from the Gabrieleno Band of Mission Indians Kizh Nation and scheduled an in-person meeting to review the Proposed Project site. The Kizh Nation determined that the Proposed Project site may potentially be near tribal cultural features (the Proposed Project is approximately one-mile north of Route 66 and Old Stage Coach Road and the nearest village sites are estimated to be approximately 7 to 11 miles away from the Proposed Project site, based on the 1937 Historical Map provided by Mr. Salas, Chairman of the Kizh Nation) that may result in a probability to encounter tribal cultural resources within the soil layers of the Proposed Project area. Therefore, mitigation measure, CUL-1 and CUL-2, shall be implemented to potentially reduce or avoid impacts to tribal cultural resources. As a result, the Proposed Project would have less than significant impact with mitigation incorporated to the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1.

3.18 UTILITIES AND SERVICE SYSTEMS

Issues	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
UTILITIES AND SERVICE SYSTEMS: Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) *Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?*

No Impact. The Proposed Project would not exceed wastewater treatment requirement of the applicable Regional Water Quality Control Board. The Proposed Project would not produce an increase of wastewater or changes to any existing wastewater treatment facilities. Therefore, no impacts to wastewater treatment requirements would occur.

- b) *Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?*

No Impact. The Proposed Project would not require the construction of new water or wastewater treatment facilities or the expansion of existing facilities, the construction of which could cause significant environmental effects. The Proposed Project consists of a groundwater well and associated piping in the public right-of-way. Wastewater would not be generated as a result of the Proposed Project. The nature of the Proposed Project is to develop additional water supplies and construct new facilities, which would provide a beneficial source of ground water the Six Basins. Therefore, the Proposed Project would not result in or require the construction of new water or wastewater and no environmental effects are anticipated.

- c) *Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?*

Less Than Significant Impact. The Proposed Project would not require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could result in significant environmental effects. The Proposed Project consists of a groundwater well and underground piping within the public right-of-way as well as minor modifications (extension) to an existing curb and gutter on private property. An engineering hydrology analysis has been performed (please refer to Appendix C), which indicates that the existing catch basin and street (south end of cul-de-sac) on Grand Avenue has adequate capacity for the anticipated rainfall runoff. Therefore, the Proposed Project would not result in or require the construction of new storm water drainage facilities and no environmental effects are anticipated.

- d) *Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?*

Less Than Significant Impact. Groundwater accounts for about 7% of the District's water supply from the Miramar Plant and imported water the remaining 93%. The District has an annual pumping right of 3,500 AF from the Six Basins, based on the terms of the Judgment. Groundwater management is dictated by the terms of the Judgment and groundwater production in the basin is under the control of the Six Basin Water master and the new Strategic Plan. Production is managed to meet a level of sustainable safe yield. Therefore, the Proposed Project would have less than significant impacts to water supplies available from existing entitlements and resources.

- e) *Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?*

No Impact. The Proposed Project would not result in a determination from the wastewater treatment provider. The Proposed Project would not generate wastewater that would require treatment. Therefore, no impacts would occur.

f) *Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?*

No Impact. The Proposed Project would result in minimal construction of waste products. Therefore, the Proposed Project would not face conflicts regarding solid waste disposal needs, nor would it impose conflicts on existing landfills.

g) *Comply with federal, state, and local statutes and regulations related to solid waste?*

No Impact. The Proposed Project would comply with federal, state, and local statutes and regulations related to solid waste. Solid waste generated by construction activities would be disposed of following all applicable federal, state, and local statutes. Therefore, no impacts from operations of the Proposed Project would occur.

**INITIAL STUDY / MITIGATED NEGATIVE DECLARATION
THREE VALLEYS MUNICIPAL WATER DISTRICT PROPOSED GRAND AVENUE WELL & PIPELINE**

November 28, 2017

4.0 MITIGATION MONITORING AND REPORTING PLAN

Mitigation Measure	Lead Agency	Action(s) Required	Required Time of Compliance	Action Taken	Verified By/Dept.	Date	Further Action Needed
NOISE							
NOS-1	TVMWD	<p>For all construction related activities, noise attenuation techniques shall be employed as needed to ensure that noise remains as low as possible during construction. The following potential noise attenuation techniques shall be incorporated into contract specifications to reduce the impact of construction noise:</p> <ul style="list-style-type: none"> • Construction equipment shall be equipped with properly operating and maintained mufflers consistent with manufacturer's standards. • Noise-generating construction equipment and construction staging areas shall be located away from sensitive receptors, where feasible. • During well drilling and construction, a 24-ft high noise attenuation panels shall be placed between the well site and nearby residences. • High noise-producing activities shall be scheduled between the hours of 7:00 a.m. and 5:00 p.m. to minimize disruption to sensitive receptors. • Construction of the new pipeline in the vicinity of the school (Western Christian) may occur 					

		<p>during the summer months to limit noise exposure to the adjacent school. Normal construction for the pipeline shall take place Monday through Saturday to limit noise exposure to the adjacent church and residential housing.</p> <ul style="list-style-type: none"> • All stationary construction equipment (e.g. air compressor, generators, impact wrenches, etc.) shall be operated as far away from residential uses as possible and shall be shielded with temporary sound barriers, sound aprons or sound curtains. • Construction-related equipment, including heavy-duty equipment, motor vehicles, and portable equipment, shall be turned off when not in use for more than 30 minutes. • During normal construction activities, the job superintendent shall limit construction-related activities to between the hours 7:00 a.m. and 6:00 p.m. Monday through Saturday. There would be critical periods during well drilling construction that would require continuous (24/7) construction activities. The estimated total duration of the various critical 24/7 construction periods is about 20 to 30 days. • Clearly post construction hours, allowable workdays, and the phone number of the job superintendent at all construction entrances to allow the surrounding property 					
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**INITIAL STUDY / MITIGATED NEGATIVE DECLARATION
THREE VALLEYS MUNICIPAL WATER DISTRICT PROPOSED GRAND AVENUE WELL & PIPELINE**

November 28, 2017

		<p>owners/occupants to contact the job superintendent. If the City or the job superintendent receives a complaint, the superintendent shall investigate, take appropriate corrective actions, and report the actions to the complainant.</p> <ul style="list-style-type: none"> Engineered sound panels shall be installed inside of well enclosure/building in order to reduce potential operation noise levels. 					
CULTURAL RESOURCES							
CUL-1	TVMWD	<p>The Proposed Project Applicant shall be required to obtain the services of a licensed archaeologist during construction-related ground disturbance activities. Ground disturbance is defined as activities that include, but are not limited to, pavement removal, pot-holing or auguring, grubbing, boring, grading, excavation, drilling, and trenching, within the Proposed Project area. The monitor would be present on-site during the construction phases that involve any ground disturbing activities. The monitor would complete monitoring logs daily. The logs would provide descriptions of the daily activities, including construction activities, locations, soil, and any cultural materials identified. The monitor would be required to provide insurance certificates, including liability insurance, for any archaeological resource(s) encountered during grading and excavation activities pertinent to the provisions outlined in the California Environmental Quality Act, California Public Resources Code Division 13, Section 21083.2 (a) through (k). The on-site monitoring shall end when the Proposed Project site grading and excavation activities are completed.</p>	During Grading Activities				
CUL-2	TVMWD	<p>If human remains are encountered during ground disturbing activities, the applicant shall arrange a designated site location within the footprint of the Proposed Project area for the respectful reburial of</p>	During Grading Activities				

		<p>the human remains and/or ceremonial objects. Any discoveries of human skeletal material shall be immediately reported to the County Coroner. The monitor shall immediately divert work at minimum of 50 feet and place an exclusion zone around the burial. The monitor shall then notify the applicant's qualified archaeologist and the construction manager who shall call the coroner. Work shall continue to be diverted while the coroner determines whether the remains are Native American. The discovery is to be kept confidential and secure to prevent any further disturbance. If Native American, the coroner shall notify the NAHC as mandated by state law. In the case where discovered human remains cannot be fully documented and recovered on the same day, the remains shall be covered with muslin cloth and a steel plate that can be moved by heavy equipment placed over the excavation opening to protect the remains. If this type of steel plate is not available, a 24-hour guard should be posted outside of working hours. The Tribe shall make every effort to recommend diverting the project and keeping the remains in situ and protected. If the project cannot be diverted, it shall be determined that burials will be removed. The Tribe shall work closely with the applicant's qualified archaeologist to ensure that the excavation is treated carefully, ethically, and respectfully. If data recovery is approved by the Tribe, documentation shall be taken which includes at a minimum detailed descriptive notes and sketches. Cremations shall be removed in bulk to ensure complete recovery of all material. If the discovery of human</p>					
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		<p>remains includes 4 or more burials, the location is considered a cemetery and a separate treatment plan shall be created. The project applicant shall consult with the Tribe regarding avoidance of all cemetery sites. Once complete, a final report of all activities are to be submitted to the NAHC. The Tribe shall not authorize any scientific study or the utilization of any invasive diagnostics on human remains. If the coroner determines the remains represent a historic non-Native American burial, the burial shall be treated in the same manner of respect with agreement of the coroner. If the coroner determines the remains to be modern, the coroner shall take custody of the remains.</p> <p>Each occurrence of human remains and associated funerary objects shall be stored using opaque cloth bags. All human remains, funerary objects, sacred objects, and objects of cultural patrimony shall be removed to a secure container on site if possible. These items shall be retained and reburied within six months of recovery. There shall be no publicity regarding any cultural materials recovered.</p>					
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5.0 MANDATORY FINDINGS OF SIGNIFICANCE

- a. *Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number, or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?*

Less Than Significant Impact with Mitigation Incorporated. The Proposed Project has a less than significant impact to potentially degrade the quality of the environment or reduce the habitat of a fish or wildlife species. In addition, the Proposed Project may potentially have impacts to archeological resources due to the potential of encountering tribal cultural resources within the soil layers of the Proposed Project area. Therefore, mitigation measure CUL-1 and CUL-2 have been implemented to potentially avoid or reduce the possible impacts to tribal cultural resources. Overall, the Proposed Project's Mandatory Finding of Significance relative to degrading the quality of the environment would be less than significant with mitigation incorporated.

- b. *Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)*

Less Than Significant Impact with Mitigation Incorporated. Subject to Mitigation Measure NOS-1, the Proposed Project would have less than significant impacts relative to cumulative incremental effects that are potentially considerable. The Proposed Project contribution to cumulative air quality would be less than significant. In addition, hydrology, public services, utilities, and traffic project level impacts would be less than significant. Therefore, the Proposed Project's contribution to cumulative impacts would not be considerable. Consequently, the Proposed Project's Mandatory Finding of Significance relative to incremental effects of a project would be less than significant with mitigation incorporated.

- c. *Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?*

Less Than Significant Impact with Mitigation Incorporated. Subject to Mitigation Measure NOS-1, the Proposed Project would have less than significant impacts relative to adverse effects on humans either directly or indirectly with mitigation incorporated.

6.0 PROPOSED FINDING

ENVIRONMENTAL DETERMINATION

On the basis of this initial evaluation:

I find that the proposed Grand Avenue Well Project **COULD NOT** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.

I find that although the proposed Grand Avenue Well Project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on an attached sheet have been added to the project. A **MITIGATED NEGATIVE DECLARATION** will be prepared. *Attached Mitigation Measures and Monitoring Program.*

I find that the proposed Grand Avenue Well Project **MAY** have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.

I find that the proposed Grand Avenue Well Project **MAY** have a significant effect on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets, if the effect is a "potentially significant impact" or "potentially significant unless mitigated." An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.

I find that although the proposed Grand Avenue Well Project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier **EIR** or **NEGATIVE DECLARATION** pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier **EIR** or **NEGATIVE DECLARATION**, nothing further is required.

Signature:

Date:

Appendix A AIR QUALITY

Well 4 - South Coast AQMD Air District, Summer

Well 4

South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.03	3,400.00	0
User Defined Industrial	1.00	User Defined Unit	0.73	32,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	9			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot size is 3,400 SF; Trench dimensions disturbed: 32,000 SF

Construction Phase - Estimated time for construction

Off-road Equipment - Anticipated Building Construction Equipment

Off-road Equipment - Anticipated Well Construction Equipment

Off-road Equipment - Anticipated Pipeline Equipment

Construction Off-road Equipment Mitigation -

Well 4 - South Coast AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	100.00	5.00
tblConstructionPhase	NumDays	2.00	45.00
tblConstructionPhase	PhaseEndDate	7/10/2017	9/15/2017
tblConstructionPhase	PhaseEndDate	7/10/2017	9/11/2017
tblConstructionPhase	PhaseStartDate	7/11/2017	9/11/2017
tblLandUse	BuildingSpaceSquareFeet	0.00	3,400.00
tblLandUse	BuildingSpaceSquareFeet	0.00	32,000.00
tblLandUse	LandUseSquareFeet	0.00	3,400.00
tblLandUse	LandUseSquareFeet	0.00	32,000.00
tblLandUse	LotAcreage	0.00	0.03
tblLandUse	LotAcreage	0.00	0.73
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts

Well 4 - South Coast AQMD Air District, Summer

tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblProjectCharacteristics	OperationalYear	2018	2019
tblTripsAndVMT	WorkerTripNumber	15.00	10.00

2.0 Emissions Summary

Well 4 - South Coast AQMD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.7909	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.7909	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000	0.0000	4.7000e-004

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.7909	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.7909	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000	0.0000	4.7000e-004

Well 4 - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	9/11/2017	9/15/2017	5	5	
2	Well Construction	Grading	7/11/2017	9/11/2017	5	45	
3	Pipeline Construction	Trenching	9/11/2017	9/18/2017	5	6	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Well 4 - South Coast AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cement and Mortar Mixers	1	4.00	9	0.56
Well Construction	Bore/Drill Rigs	1	8.00	221	0.50
Well Construction	Cranes	1	4.00	231	0.29
Pipeline Construction	Trenchers	1	8.00	78	0.50
Well Construction	Forklifts	1	2.00	89	0.20
Pipeline Construction	Concrete/Industrial Saws	1	4.00	81	0.73
Pipeline Construction	Forklifts	1	2.00	89	0.20
Pipeline Construction	Tractors/Loaders/Backhoes	1	4.00	97	0.37
Pipeline Construction	Plate Compactors	1	4.00	8	0.43
Pipeline Construction	Rollers	1	4.00	80	0.38
Pipeline Construction	Paving Equipment	1	6.00	132	0.36
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Well Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Well Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Well Construction	Rubber Tired Dozers	1	1.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pipeline Construction	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	15.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Well Construction	6	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Well 4 - South Coast AQMD Air District, Summer

Clean Paved Roads

3.2 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3105	12.9432	8.2242	0.0118		0.8665	0.8665		0.7977	0.7977		1,191.1746	1,191.1746	0.3599		1,200.1710
Total	1.3105	12.9432	8.2242	0.0118		0.8665	0.8665		0.7977	0.7977		1,191.1746	1,191.1746	0.3599		1,200.1710

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0290	0.7745	0.2013	1.5800e-003	0.0384	6.7000e-003	0.0451	0.0111	6.4100e-003	0.0175		167.6675	167.6675	0.0120		167.9678
Worker	0.0908	0.0665	0.8549	1.8900e-003	0.1677	1.3800e-003	0.1691	0.0445	1.2800e-003	0.0457		188.1527	188.1527	7.0900e-003		188.3299
Total	0.1199	0.8410	1.0562	3.4700e-003	0.2061	8.0800e-003	0.2142	0.0555	7.6900e-003	0.0632		355.8202	355.8202	0.0191		356.2977

Well 4 - South Coast AQMD Air District, Summer

3.2 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3105	12.9432	8.2242	0.0118		0.8665	0.8665		0.7977	0.7977	0.0000	1,191.1746	1,191.1746	0.3599		1,200.1710
Total	1.3105	12.9432	8.2242	0.0118		0.8665	0.8665		0.7977	0.7977	0.0000	1,191.1746	1,191.1746	0.3599		1,200.1710

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0290	0.7745	0.2013	1.5800e-003	0.0384	6.7000e-003	0.0451	0.0111	6.4100e-003	0.0175		167.6675	167.6675	0.0120		167.9678
Worker	0.0908	0.0665	0.8549	1.8900e-003	0.1677	1.3800e-003	0.1691	0.0445	1.2800e-003	0.0457		188.1527	188.1527	7.0900e-003		188.3299
Total	0.1199	0.8410	1.0562	3.4700e-003	0.2061	8.0800e-003	0.2142	0.0555	7.6900e-003	0.0632		355.8202	355.8202	0.0191		356.2977

Well 4 - South Coast AQMD Air District, Summer

3.3 Well Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.6942	17.5183	9.9947	0.0224		0.9140	0.9140		0.8654	0.8654		2,240.7735	2,240.7735	0.5571		2,254.7016
Total	1.6942	17.5183	9.9947	0.0224	0.7528	0.9140	1.6668	0.4138	0.8654	1.2792		2,240.7735	2,240.7735	0.5571		2,254.7016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0605	0.0443	0.5699	1.2600e-003	0.1118	9.2000e-004	0.1127	0.0296	8.5000e-004	0.0305		125.4351	125.4351	4.7300e-003		125.5533
Total	0.0605	0.0443	0.5699	1.2600e-003	0.1118	9.2000e-004	0.1127	0.0296	8.5000e-004	0.0305		125.4351	125.4351	4.7300e-003		125.5533

Well 4 - South Coast AQMD Air District, Summer

3.3 Well Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.6942	17.5183	9.9947	0.0224		0.9140	0.9140		0.8654	0.8654	0.0000	2,240.7735	2,240.7735	0.5571		2,254.7016
Total	1.6942	17.5183	9.9947	0.0224	0.7528	0.9140	1.6668	0.4138	0.8654	1.2792	0.0000	2,240.7735	2,240.7735	0.5571		2,254.7016

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0605	0.0443	0.5699	1.2600e-003	0.1118	9.2000e-004	0.1127	0.0296	8.5000e-004	0.0305		125.4351	125.4351	4.7300e-003		125.5533
Total	0.0605	0.0443	0.5699	1.2600e-003	0.1118	9.2000e-004	0.1127	0.0296	8.5000e-004	0.0305		125.4351	125.4351	4.7300e-003		125.5533

Well 4 - South Coast AQMD Air District, Summer

3.4 Pipeline Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4135	12.6960	9.1172	0.0130		0.8962	0.8962		0.8371	0.8371		1,298.9690	1,298.9690	0.3298		1,307.2136
Total	1.4135	12.6960	9.1172	0.0130		0.8962	0.8962		0.8371	0.8371		1,298.9690	1,298.9690	0.3298		1,307.2136

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1090	0.0798	1.0259	2.2700e-003	0.2012	1.6600e-003	0.2029	0.0534	1.5300e-003	0.0549		225.7832	225.7832	8.5100e-003		225.9959
Total	0.1090	0.0798	1.0259	2.2700e-003	0.2012	1.6600e-003	0.2029	0.0534	1.5300e-003	0.0549		225.7832	225.7832	8.5100e-003		225.9959

Well 4 - South Coast AQMD Air District, Summer

3.4 Pipeline Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4135	12.6960	9.1172	0.0130		0.8962	0.8962		0.8371	0.8371	0.0000	1,298.9690	1,298.9690	0.3298		1,307.2136
Total	1.4135	12.6960	9.1172	0.0130		0.8962	0.8962		0.8371	0.8371	0.0000	1,298.9690	1,298.9690	0.3298		1,307.2136

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1090	0.0798	1.0259	2.2700e-003	0.2012	1.6600e-003	0.2029	0.0534	1.5300e-003	0.0549		225.7832	225.7832	8.5100e-003		225.9959
Total	0.1090	0.0798	1.0259	2.2700e-003	0.2012	1.6600e-003	0.2029	0.0534	1.5300e-003	0.0549		225.7832	225.7832	8.5100e-003		225.9959

4.0 Operational Detail - Mobile

Well 4 - South Coast AQMD Air District, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Well 4 - South Coast AQMD Air District, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991
User Defined Industrial	0.546418	0.044132	0.199182	0.124467	0.017484	0.005870	0.020172	0.031831	0.001999	0.002027	0.004724	0.000704	0.000991

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Well 4 - South Coast AQMD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

Well 4 - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7909	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Unmitigated	0.7909	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7009					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Total	0.7909	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004

Well 4 - South Coast AQMD Air District, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7009					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Total	0.7909	0.0000	2.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Well 4 - South Coast AQMD Air District, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Appendix B SIX BASINS WATERMASTER BOARD MEMO

Wildermuth Environmental, 2017. *"Evaluation of the Potential for Substantial Injury associated with the Proposed Grand Avenue Well."* Memorandum to Six Basins Watermaster Board, dated July 26, 2017.

Memorandum

To: Six Basins Watermaster Board
From: Wildermuth Environmental, Watermaster Staff
Date: July 26, 2017
Subject: Evaluation of the Potential for Substantial Injury associated with the Proposed Grand Avenue Well

<input type="checkbox"/> For Action	<input type="checkbox"/> Fiscal Impact	<input type="checkbox"/> Funds Budgeted
<input checked="" type="checkbox"/> Information Only	<input type="checkbox"/> Cost Estimate:	\$

Background and Previously Related Actions by the Board

Pursuant to Section III.B.4.b of the Six Basins Judgment, any Party that intends to acquire, construct or operate a new well in the Four Basins must provide a 30-day advance written notice to the Watermaster. And, pursuant to Section III.B.4.a, groundwater production from a new location shall not cause Substantial Injury to another Party.

The Watermaster Board has drafted a proposed update to its Operating Plan describing a procedure to analyze certain “Actions” for the potential to cause Substantial Injury. The objective of the procedure is to establish a standard process to decide whether an Action should be evaluated for the potential to cause Substantial Injury, and if so, to conduct the evaluation. The proposed procedure is attached to this memo.¹

Substantial Injury is defined in the draft Operating Plan update as:

...injury to a Party, the basin, or the environment that is attributable to the implementation of an Action, including, but not limited to, rising groundwater, liquefaction, interference with the ability to pump OSY, increases in pump lift, degradation of water quality, or land subsidence.

On May 24, 2016, Three Valleys Municipal Water District (TVMWD) notified Watermaster staff of its intent to drill, construct, develop, and operate a new well: TVMWD-3. The Watermaster Board approved a Task Order for Watermaster Staff to perform an evaluation of the potential for Substantial Injury (Substantial Injury analysis) on TVMWD-3 as a “test case” for the proposed process to inform the Watermaster of the potential for Substantial Injury. The objectives of this “test case” were to: (i) demonstrate the proposed process for evaluating projects and (ii) describe the potential impacts from the operation of TVMWD-3 and potential mitigation measures, if deemed appropriate. The analysis

¹ All memos developed in support of the update to the Operating Plan and the test case are available on Watermaster’s website at: <http://www.6bwm.com/info.php?pnun=6> under the header “Proposed Operating Plan Updates to Support Strategic Plan Implementation”

could then be used by the individual Parties to determine if the project impacts are potentially “Substantial” or not and to recommend mitigation measures, if necessary.

The “test case” was a successful demonstration of the proposed process for evaluating projects for the potential to cause Substantial Injury. The evaluation described the potential impacts from the operation of TVMWD-3, as well as measures that can be implemented to mitigate those impacts. The main conclusions and recommendations of this “test” evaluation were documented in the August 24, 2016 memo *Analysis for Substantial Injury for the Proposed TVMWD-3 Well*², and included:

- The new groundwater production planned by TVMWD from TVMWD-3, which is about 600 acre-feet per year (afy), will cause lower groundwater levels in the Six Basins, particularly in the Upper Claremont Heights Basin (UCHB) in the areas around TVMWD-3.
- The new groundwater production at TVMWD-3 will not cause groundwater levels to decline below a sustainability metric at any Party’s well. That said, lower groundwater levels at wells, particularly north of the Indian Hill Fault, can lead to decreased well capacities, particularly during dry periods when groundwater levels are low.
- Satisfying a Replacement Water obligation through wet-water recharge for overproduction that occurs north of the Indian Hill Fault is an effective strategy to mitigate for lower groundwater levels, particularly if the recharge occurs near the areas of the new production.
- During wet periods, the new production at TVMWD-3 can help to mitigate instances of high groundwater (*i.e.* rising groundwater and liquefaction potential).
- The conclusions above apply not only to TVMWD-3, but to any new wells that are installed north of the Indian Hill Fault for the purpose of producing groundwater in volumes higher than historical volumes. Hence, future evaluations of Substantial Injury for proposed new wells located north of the Indian Hill Fault can leverage the information derived in this analysis and may not necessitate the use of the groundwater model in those evaluations. That said, additional new wells and groundwater production will have a cumulative impact on groundwater levels.

New Well Notification: TVMWD Grand Avenue Well

On June 5, 2017, TVMWD submitted a notification to Watermaster of its intent to drill, construct, develop and operate an additional new well in the UCHB: the Grand Avenue Well. The proposed location of the Grand Avenue Well is within the City of Claremont on a property located at the southern end of the cul-de-sac on North Grand Avenue south of Baseline Road. Figure 1 is a map that shows the proposed location of the well and nearby active production wells. The nearest active production wells are the Golden State Water Company’s (GSWC) Mills 1, Mountain View 1, and Marlboro wells, all of which are located within 1,800 feet of the proposed Grand Avenue Well.

² Accessible at: <http://www.6bwm.com/info.php?pnum=6> under header “Proposed Operating Plan Updates to Support Strategic Plan Implementation”

TVMWD currently plans the following for the construction and operation of the Grand Avenue Well:

Casing depth: 880 ft-bgs

Casing diameter: 16 inches

Well-screen depth interval: 300-800 ft-bgs

Pumping rate: 600-800 gallons per minute

Estimated annual production: 775-1,030 afy

Well utilization: 80-85 percent of the time

Well use: Supplement imported water supplies from the Miramar Treatment Plant

Water rights: TVMWD is an overproducer of its Operating Safe Yield (OSY) rights, so production from the Grand Avenue Well will incur a Replacement Water obligation. TVMWD's preferred method for Replacement is to maximize transfers of unproduced OSY rights from other Parties and then utilize its Storage and Recovery account to make up the difference.

On June 28, 2017, Watermaster Staff advised the Board that the operation of the Grand Avenue Well should be evaluated for the potential to cause Substantial Injury and the evaluation could be performed based on the results of the *Analysis for Substantial Injury for the Proposed TVMWD-3 Well*. The Board directed Watermaster Staff to perform a Substantial Injury analysis on TVMWD's Grand Avenue Well. This Substantial Injury analysis also considers the cumulative impacts of the TVMWD-3 and Grand Avenue wells.

Methods to Evaluate the Potential for Substantial Injury

The method to evaluate the impacts from operating the Grand Avenue Well is to utilize the results of the Substantial Injury analysis performed for TVMWD-3. The method that was used to evaluate the impacts of TVMWD-3 included:

1. Development of a "Baseline" planning alternative that does not include the operation of TVMWD-3.
2. Development of two project alternatives that included the operation of TVMWD-3 at a range of annual production rates of 450 afy in dry years and 685 afy in wet years, and replacement operations from most impactful to least impactful:
 - a. TVMWD Preferred Alternative: TVMWD satisfies its Replacement Water obligation for production from TVMWD-3 through increased transfers (assumed to be up to 10 percent of the OSY) and use of its Storage and Recovery account.
 - b. Replacement Alternative: TVMWD satisfies its Replacement Water obligation for production from TVMWD-3 through wet-water recharge at the San Antonio Spreading Grounds (SASG). The wet-water recharge is equal to the annual production of TVMWD-3.

3. Use of the Six Basins groundwater-flow model to simulate the hydrologic response of all three planning alternatives over a long-term (54-year) hydrologic period³, and compare and contrast the model-simulation results. The impacts evaluated included: changes in groundwater levels; production sustainability at wells; the threat of high groundwater; and the water budget of the Six Basins.

This evaluation of the operation of the proposed Grand Avenue Well is a qualitative analysis that references the model results from the analysis of TVMWD-3 and discusses potential changes in groundwater levels and water budget; production sustainability at wells; and the threat of rising groundwater.

Evaluation of the Potential for Substantial Injury

Table 1a summarizes the average and total planning period production, transfers, storage extractions and wet-water recharge associated with the operation of the Grand Avenue Well for the three planning alternatives assuming no production from TVMWD-3. Table 1b summarizes the same information for the three alternatives assuming production from both the TVMWD-3 and the Grand Avenue wells. Over the 54-year planning period, the proposed operation of the Grand Avenue Well will result in a total increase in production of about 52,000 af, or about 970 afy. If operated together with the TVMWD-3 well, the total increase in production over the Baseline is about 87,400 af, or about 1,600 afy.

TVMWD Preferred Alternative

Over the 54-year planning period, the proposed operation of the Grand Avenue Well under the TVMWD Preferred Alternative, as compared to the Baseline, will result in the following:

- A total increase in transfers from other Parties to TVMWD of about 34,600 af, or about 640 afy. If operated together with the TVMWD-3 Well, the total increase in transfers is about 34,800 af, or about 650 afy.
- A total increase in extractions from the TVMWD storage account of about 17,440 af, or about 320 afy. If operated together with the TVMWD-3 Well, the total increase in extractions from the TVMWD storage account is about 46,920 af, or about 870 afy.
- No increase in wet-water recharge for Replacement Water obligations due to the proposed operation of the Grand Avenue Well. If operated together with the TVMWD-3 Well, the total increase in wet-water recharge for Replacement Water obligations is about 4,000 af, or about 70 afy.
- A total increase in wet-water recharge to build the TVMWD storage account of about 18,540 af, or about 340 afy. If operated together with the TVMWD-3 Well, the total increase in wet-water recharge to build TVMWD storage account is about 48,800 af, or about 900 afy.

³ The planning period, defined as July 2013³ to June 2066, includes a variable hydrology based on the historical record of precipitation for the period of 1960 to 2013 and current land use.

Figure 2 shows the difference in groundwater levels between the TVMWD Preferred Alternative and the Baseline Alternative at the end of the driest period within the 54-year model simulation from the *Analysis for Substantial Injury for the Proposed TVMWD-3 Well*. In this alternative, groundwater levels are projected to be lower across the Six Basins, compared to the Baseline, because groundwater production is about 600 afy higher on average, and artificial recharge of imported water is only about 70 afy higher. Groundwater levels are projected to decline by as much as 20 feet around TVMWD-3, where the new production occurs. The groundwater-level declines do not cause water levels to drop below the sustainability thresholds of any Party's wells in the Six Basins. During wet periods, the projected lower groundwater levels are beneficial because they reduce the amount of time that groundwater levels are within 40 feet of the ground surface, which is the threshold for liquefaction potential. Regarding the water budget, the projected lower groundwater levels will reduce subsurface outflow to the Two Basins and to the Chino Basin. This results in an increase to the overall developed yield of the Four Basins by about three percent relative to the Baseline, and decreases the developed yield of the Two Basins by about two percent.

The Grand Avenue Well is proposed to produce between 775 and 1,030 afy, which more than the 450 to 685 afy planned and evaluated for TVMWD-3. Therefore, under the TVMWD preferred operation of the Grand Avenue Well, there is likely to be similar or greater magnitudes of groundwater-level declines surrounding the Grand Avenue Well and reduction of outflow to the Chino Basin and Two Basins as was predicted for the TVMWD-3 well. If both wells are in operation at the same time, there will be cumulative effects of changes to groundwater levels and subsurface outflow that are greater than the effects of the wells individually. For example, Figure 2 shows that the groundwater levels at the Grand Avenue Well site are predicted to be about eight feet lower compared to the Baseline due to the operation of the TVMWD-3 well. If about 20 feet of groundwater-level decline is predicted to occur at the Grand Avenue Well site as a result of operating the Grand Avenue Well, groundwater levels at the Grand Avenue Well site could be about 28 feet lower compared to the Baseline. The potential impacts of the lower groundwater levels at other wells, particularly for those wells located within the UCHB in areas between the TVMWD-3 and Grand Avenue wells, include: (1) lower production capacities, (2) greater pumping lifts, and (3) increased cost due to the greater pumping lifts. The wells that are likely to experience the greatest cumulative effects under this alternative include:

- Indian Hills 3 (GSWC)
- Indian Hills 4 (GSWC)
- Marlboro (GSWC)
- Mountain View 1 (GSWC)
- Mills 1 (GSWC)
- Tunnel Well 1 (City of Pomona)
- Tunnel Well 2 (City of Pomona)
- Tunnel Well 3 (City of Pomona)
- Tunnel Well 4 (City of Pomona)

Figures B-3 to B-5 and B-6 to B-11 are time-history charts of projected groundwater elevations from the *Analysis for Substantial Injury for the Proposed TVMWD-3 Well*. These charts show that the groundwater elevations at these wells under the TVMWD Preferred Alternative are up to about 13 to 16 feet lower compared to the Baseline. Therefore, the cumulative groundwater-level declines from production at both the TVMWD-3 and Grand Avenue wells are expected to be greater than 13 to 16

feet at these wells. These charts show that it is unlikely that the production of the proposed Grand Avenue Well, combined with the production at the proposed TVMWD-3 Well, will cause water levels to decline below the sustainability thresholds of any Party's wells in the Six Basins. For example, Figure B-5 shows the projected lowest groundwater level at Mills-1 is about 15 feet above its sustainability threshold; if the groundwater-level decline at Mills-1 were to double due to the production at the Grand Avenue Well, the lowest water level at Mills-1 would be about nine feet above its sustainability threshold.

Replacement Alternative

Over the 54-year planning period, the proposed operation of the Grand Avenue Well under the Replacement Alternative, as compared to the Baseline, will result in the following:

- No increase in transfers from other Parties to the TVMWD to offset Replacement Water obligations.
- No increase in extractions from the TVMWD storage account to offset Replacement Water obligations.
- A total increase in wet-water recharge for Replacement Water obligations of about 52,020 af, or about 960 afy. If operated together with the TVMWD-3 Well, the total increase in wet-water recharge for Replacement Water obligations compared to the Baseline is about 85,750 af, or about 1,590 afy.
- No increase in wet-water recharge to build the TVMWD storage account.

Figure 3 shows the difference in groundwater levels between the Replacement Alternative and the Baseline Alternative at the end of the driest period within the 54-year model simulation from the *Analysis for Substantial Injury for the Proposed TVMWD-3 Well*. In this alternative, groundwater levels are projected to be up to seven feet lower around TVMWD-3 (where the new production occurs) compared to the Baseline. Groundwater levels are projected to be up to six feet higher compared to the Baseline in the southern portion of the SASG where the Replacement Water was assumed to be recharged. Regarding the water budget, the replacement will in part mitigate the reduction in subsurface outflow to the Two Basins, but will result in an increase in subsurface outflow to the Chino Basin.

Under the operating scheme of the Replacement Alternative, the cumulative effects on groundwater levels associated with pumping both TVMWD-3 and Grand Avenue wells will be mitigated by the greater volumes of recharge at the SASG that will be required to satisfy the TVMWD Replacement Water obligations. The declines in groundwater levels west of the Grand Avenue Well will be greater than the declines predicted in the Replacement Alternative for TVMWD-3, and the increases in groundwater levels in the vicinity of the southern SASG (where the recharge is assumed to occur) and outflow to Chino Basin are expected to be greater than predicted in the Replacement Alternative for TVMWD-3.

Conclusions and Recommendations

The main conclusions and recommendations of this evaluation of the potential for Substantial Injury associated with the Grand Avenue Well are similar to those stated in *Analysis for Substantial Injury for the Proposed TVMWD-3 Well*:

- Groundwater levels will be lower across the Six Basins, particularly if both the TVMWD-3 and the Grand Avenue wells are operated at the same time and TVMWD chooses to utilize transfers and extractions from its Storage and Recovery account as the methods to satisfy its associated Replacement Water obligations. The declines in groundwater levels are predicted to be greatest during dry periods within the UCHB in areas nearby and in-between the two new wells.
- If both the TVMWD-3 and Grand Avenue wells are operated at the same time, the predicted declines in groundwater levels are unlikely to cause water levels to decline below sustainability thresholds at other Party's wells, but can lead to decreased well capacities and increased pumping lifts, particularly during dry periods when groundwater levels are low.
- The predicted lower groundwater levels will have the beneficial effects of mitigating instances of high groundwater during wet periods (*i.e.* mitigation for rising groundwater and liquefaction potential).
- Satisfying Replacement Water obligations through wet-water recharge for overproduction that occurs north of the Indian Hill Fault is an effective strategy to mitigate for lower groundwater levels during dry periods, particularly if the recharge occurs near the areas of the new production. During wet periods, wet-water recharge to satisfy Replacement Water obligations could increase the potential for high groundwater conditions and increase subsurface outflow to the Chino Basin. Thus, an operational strategy that combines aspects of the TVMWD Preferred Alternative during periods wet periods and the Replacement Alternative during dry periods could minimize the potential for Substantial Injury associated with the operation of the Grand Avenue and/or TVMWD-3 wells.

Enclosed

Tables 1a, 1b, 2a and 2b

Figures 1-3

Figures B-3 to B-5 and B-6 to B-11 (excerpts from Appendix B of the memo *Analysis for Substantial Injury for the Proposed TVMWD-3 Well*, dated August 24, 2016)

Proposed Update to the Operating Plan: Evaluation for the Potential for Substantial Injury – Draft 4

Table 1a
Summary of Substantial Injury Analysis Alternatives for Grand Avenue Well

Alternative	Statistic	TVMWD Production	Transfers from Other Parties to Offset Replacement Water Obligation	Extractions from Storage Account to Offset Replacement Water Obligation	Wet Water Recharge for Replacement Water Obligation	Wet Water Recharge to Build Storage Account
Baseline - Agencies pump 75% of OSY; 7% of unpumped OSY available for transfer; TVMWD prioritizes transfers and utilizes storage to offset replacement	Average (afy)	1,400	1,250	130	0	100
	Total Over Planning Period (af)	76,040	67,740	6,970	0	5,200
TVMWD Preferred - Agencies pump 75% of OSY; 10% of unpumped OSY available for transfer; TVMWD prioritizes transfers and utilizes storage to offset replacement	Average (afy)	2,370	1,890	450	0	440
	Total Over Planning Period (af)	128,090	102,350	24,410	0	23,740
Replace - Agencies pump 75% of OSY; 7% of unpumped OSY available for transfer; Replacement is equal to production at Grand Avenue Well; TVMWD prioritizes transfers and utilizes storage for Wells #1 and #2	Average (afy)	2,370	1,250	130	960	100
	Total Over Planning Period (af)	128,090	67,740	6,970	52,050	5,200

Table 1b
Summary of Substantial Injury Analysis Alternatives for TVMWD-3 and Grand Avenue Wells

Alternative	Statistic	TVMWD Production	Transfers from Other Parties to Offset Replacement Water Obligation	Extractions from Storage Account to Offset Replacement Water Obligation	Wet Water Recharge for Replacement Water Obligation	Wet Water Recharge to Build Storage Account
Baseline - Agencies pump 75% of OSY; 7% of unpumped OSY available for transfer; TVMWD prioritizes transfers and utilizes storage to offset replacement	Average (afy)	1,400	1,250	130	0	100
	Total Over Planning Period (af)	76,040	67,740	6,970	0	5,200
TVMWD Preferred - Agencies pump 75% of OSY; 10% of unpumped OSY available for transfer; TVMWD prioritizes TVMWD prioritizes transfers and utilizes storage to offset replacement	Average (afy)	3,000	1,900	1,000	70	1,000
	Total Over Planning Period (af)	161,790	102,570	53,890	4,000	54,000
Replace - Agencies pump 75% of OSY; 7% of unpumped OSY available for transfer; Replacement is equal to production at Well #3 and Grand Avenue Well; TVMWD prioritizes transfers and utilizes storage for Wells #1 and #2	Average (afy)	3,000	1,250	130	1,590	100
	Total Over Planning Period (af)	161,790	67,740	6,970	85,750	5,200

Table 2a
Difference in Water Budget Summary
TVMWD Preferred minus Baseline

	Water Budget Term	Basin/Sub-Basin	Increase (Decrease) Compared to the Baseline	Percent Increase (Decrease) Compared to the Baseline
Average Annual Recharge (afy)	Storm-Water Infiltration at Spreading Grounds	Six Basins	0	0%
		Four Basins	0	0%
		UCH/Cyn Basins	0	0%
		Pomona Basin	0	-
		Two Basins	0	0%
	Artificial Recharge of Imported Water	Six Basins	74	77%
		Four Basins	74	77%
		UCH Basin	74	77%
		Pomona Basin	0	-
		Two Basins	0	-
Average Annual Discharge (afy)	Groundwater Production	Six Basins	624	4%
		Four Basins	624	4%
		UCH/LCH/Cyn Basins	624	8%
		Pomona Basin	0	0%
		Two Basins	0	0%
	Subsurface Outflow to Chino Basin	from the Six Basins	(138)	-1%
		from the Pomona Basin	(93)	-1%
		from the UCH Basin	(45)	-2%
	Subsurface Outflow to the Two Basins	from the LCH/Cyn Basin	(226)	-10%
	Subsurface Outflow to the Pomona Basin	from the CH Basins	(243)	-3%
		from the Two Basins	(17)	-1%
	Rising Groundwater Outflow	Six Basins	(228)	-27%
	Developed Yield	Six Basins	366	2%
		Four Basins	412	3%
		UCH/LCH/Cyn Basins	514	8%
		Pomona Basin	(102)	-1%
		Two Basins	(46)	-2%
Cumulative Change in Storage by the End of the Planning Period	Six Basins	(9,975)	-52%	
	Four Basins	(7,470)	-13%	
	UCH/LCH/Cyn Basins	(1,969)	-4%	
	Pomona Basin	(5,501)	-68%	
	Two Basins	(2,506)	-7%	

Table 2 from the memo *Analysis for Substantial Injury for the Proposed TVMWD-3 Well*, dated August 24, 2016.

Notes:

UCH - Upper Claremont Heights

LCH - Lower Claremont Heights

CH - Upper and Lower Claremont Heights

Cyn - Canyon

Table 2b
Difference in Water Budget Summary
Replacement minus Baseline

	Water Budget Term	Basin/Sub-Basin	Increase (Decrease) Compared to the Baseline	Percent Increase (Decrease) Compared to the Baseline
Average Annual Recharge (afy)	Storm-Water Infiltration at Spreading Grounds	Six Basins	0	0%
		Four Basins	0	0%
		UCH/Cyn Basins	0	0%
		Pomona Basin	0	-
		Two Basins	0	0%
	Artificial Recharge of Imported Water	Six Basins	624	648%
		Four Basins	624	648%
		UCH Basin	624	648%
		Pomona Basin	0	-
		Two Basins	0	-
Average Annual Discharge (afy)	Groundwater Production	Six Basins	624	4%
		Four Basins	624	4%
		UCH/LCH/Cyn Basins	624	8%
		Pomona Basin	0	0%
		Two Basins	0	0%
	Subsurface Outflow to Chino Basin	from the Six Basins	64	1%
		from the Pomona Basin	27	0%
		from the UCH Basin	37	1%
	Subsurface Outflow to the Two Basins	from the LCH/Cyn Basin	(85)	-4%
	Subsurface Outflow to the Pomona Basin	from the CH Basins	30	0%
		from the Two Basins	(12)	-1%
	Rising Groundwater Outflow	Six Basins	48	6%
	Developed Yield	Six Basins	(112)	-1%
		Four Basins	(89)	-1%
		UCH/LCH/Cyn Basins	18	0%
Pomona Basin		(107)	-1%	
Two Basins		(23)	-1%	
Cumulative Change in Storage by the End of the Planning Period	Six Basins	(6,039)	-31%	
	Four Basins	(4,813)	-8%	
	UCH/LCH/Cyn Basins	956	2%	
	Pomona Basin	(5,769)	-71%	
	Two Basins	(1,225)	-3%	

Table 3 from the memo *Analysis for Substantial Injury for the Proposed TVMWD-3 Well*, dated August 24, 2016.

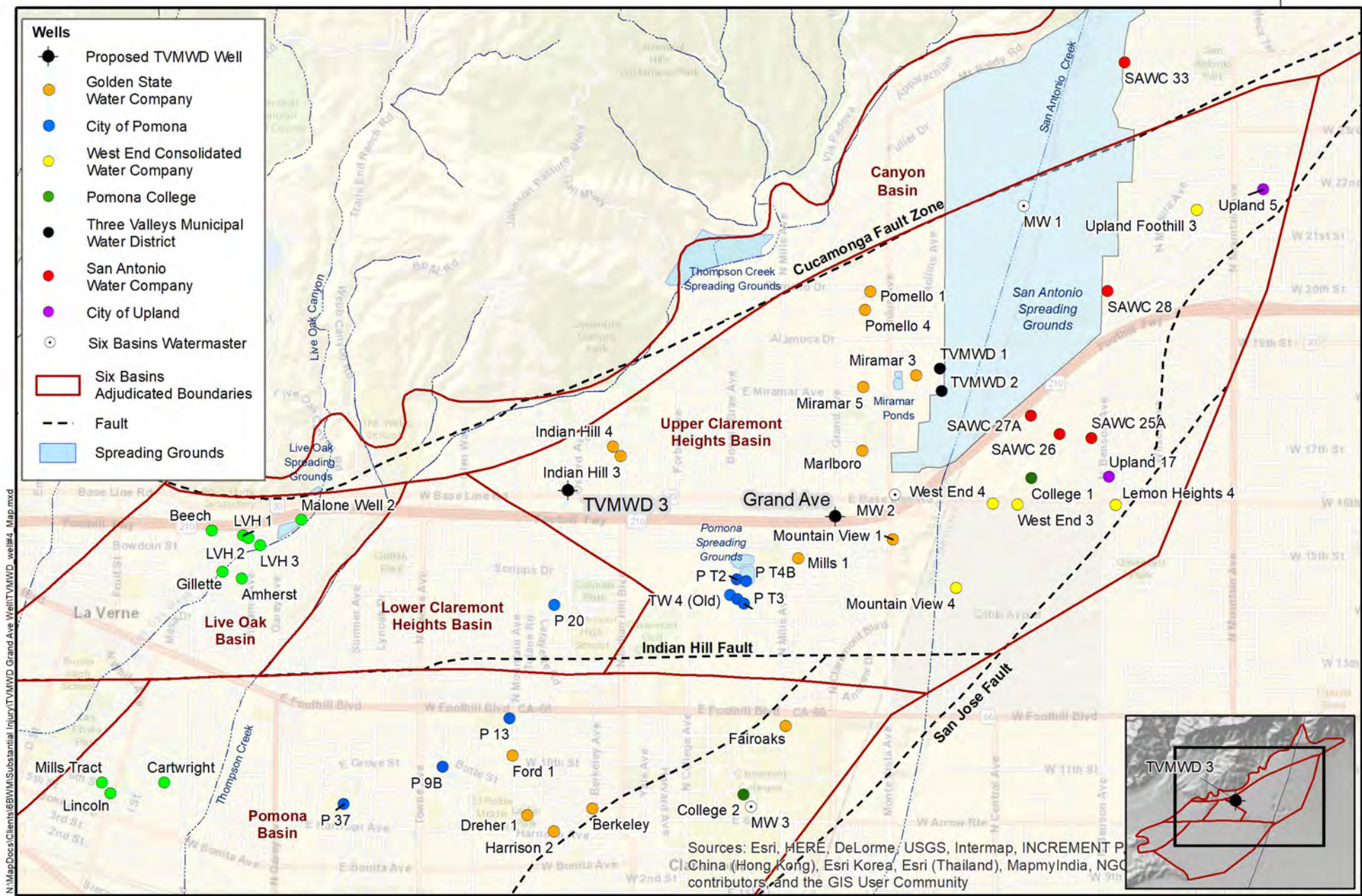
Notes:

UCH - Upper Claremont Heights

LCH - Lower Claremont Heights

CH - Upper and Lower Claremont Heights

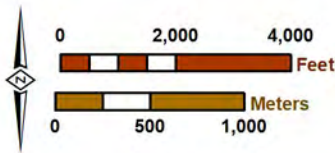
Cyn - Canyon



Prepared by:

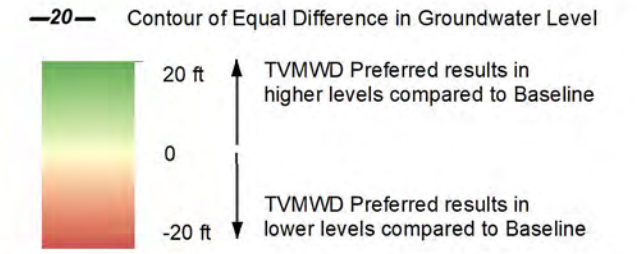
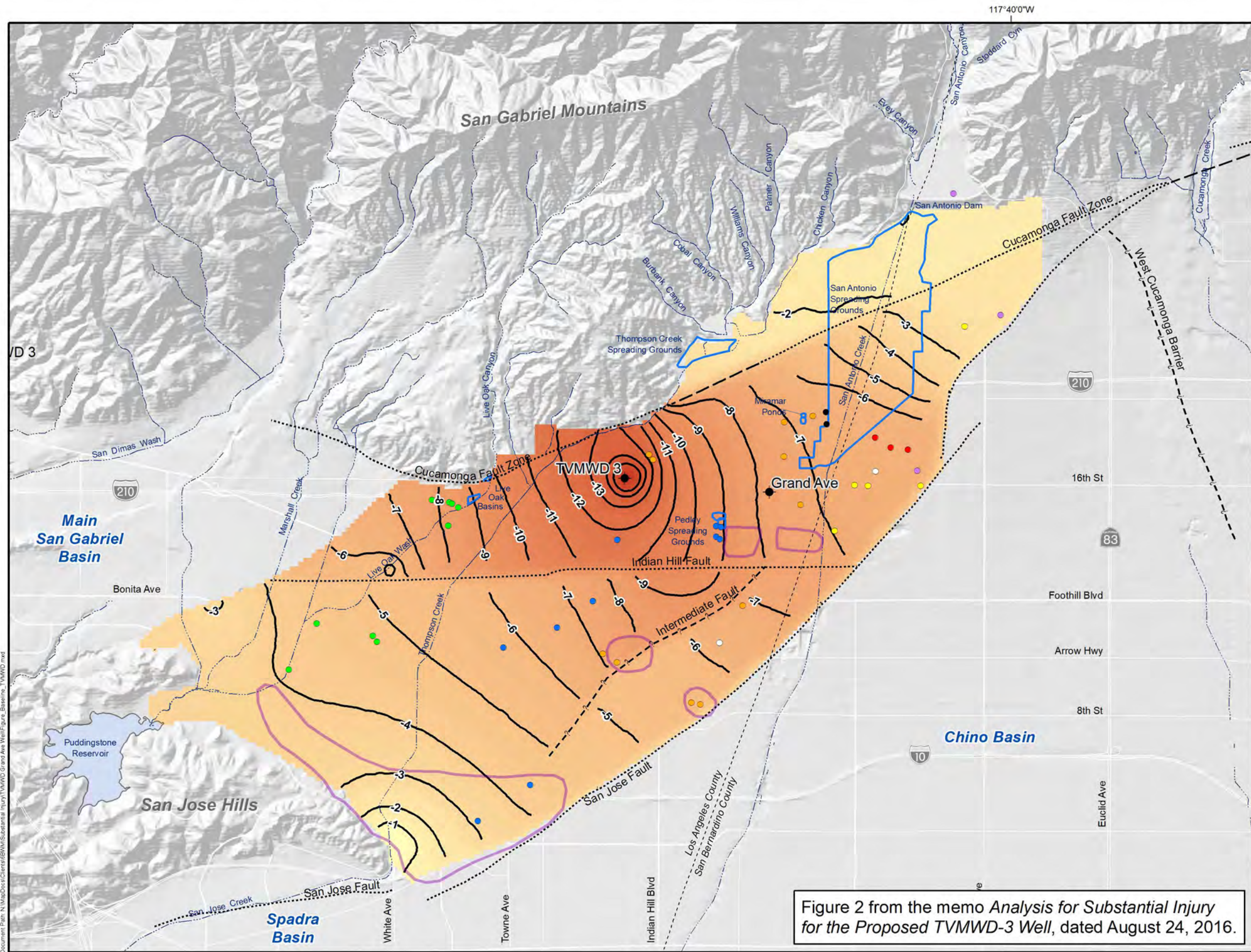


Author: CS
Date: 20170717



Well Location Map
Three Valleys Municipal Water District
Proposed Wells

Figure 1



- Wells**
- ◆ Proposed TVMWD Well
 - Golden State Water Company
 - City of La Verne
 - City of Pomona
 - San Antonio Water Company
 - Three Valleys Municipal Water District
 - City of Upland
 - West End Consolidated Water Company
 - Pomona College
- Historical Area of High Groundwater (Mendelhall, 1908; Bean, 1982; CDM, 2006)
 Spreading Grounds
- Location Certain Location Concealed
 Location Approximate Location Uncertain

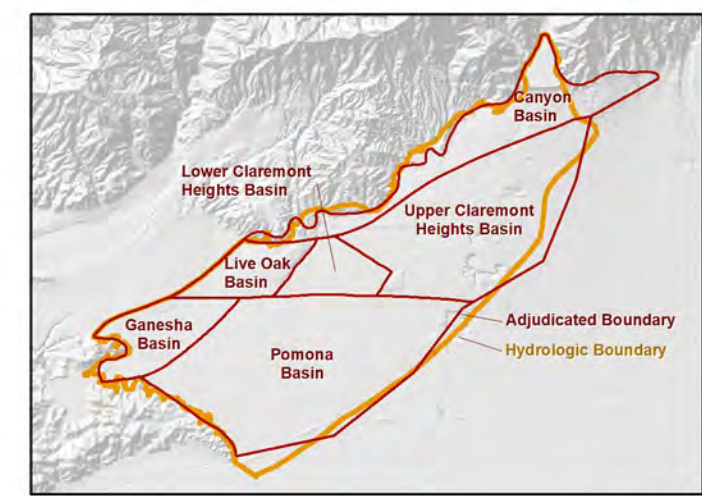


Figure 2 from the memo *Analysis for Substantial Injury for the Proposed TVMWD-3 Well*, dated August 24, 2016.

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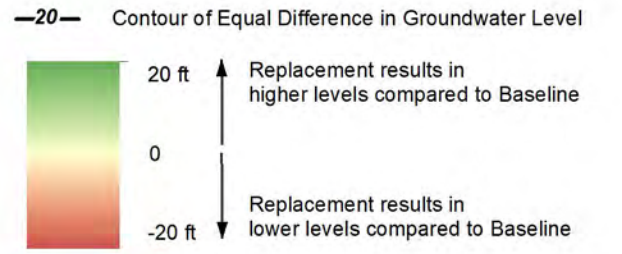
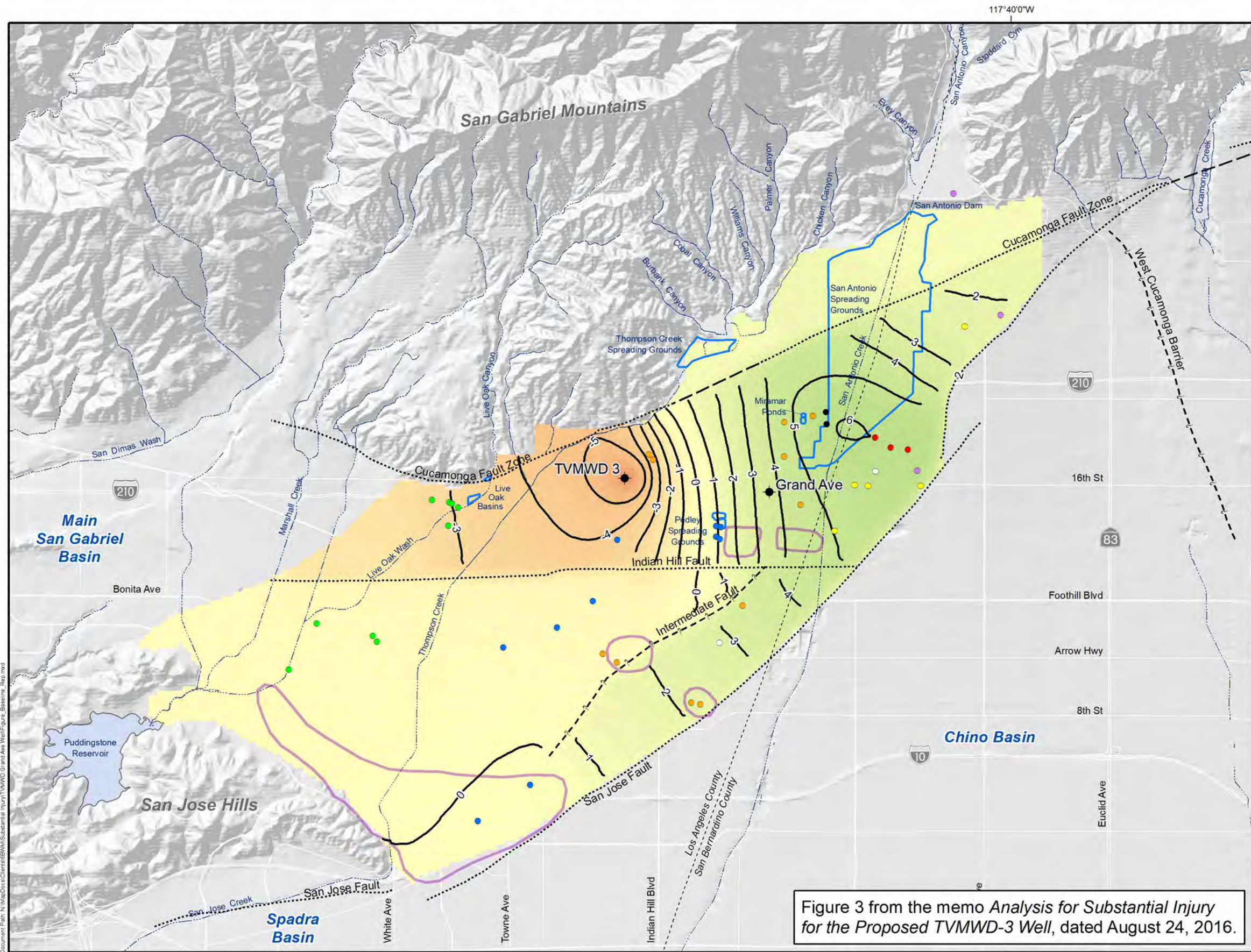
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Date: 20170713



Six Basins Watermaster
Substantial Injury Analysis

Groundwater-Level Difference:
TVMWD Preferred minus Baseline
End of Simulation (July 2066) - Model Run for TVMWD-3

Figure 2



- Wells**
- ◆ Proposed TVMWD Well
 - Golden State Water Company
 - City of La Verne
 - City of Pomona
 - San Antonio Water Company
 - Three Valleys Municipal Water District
 - City of Upland
 - West End Consolidated Water Company
 - Pomona College
- Historical Area of High Groundwater (Mendelhall, 1908; Bean, 1982; CDM, 2006)
 Spreading Grounds
- Location Certain Location Concealed
 Location Approximate Location Uncertain

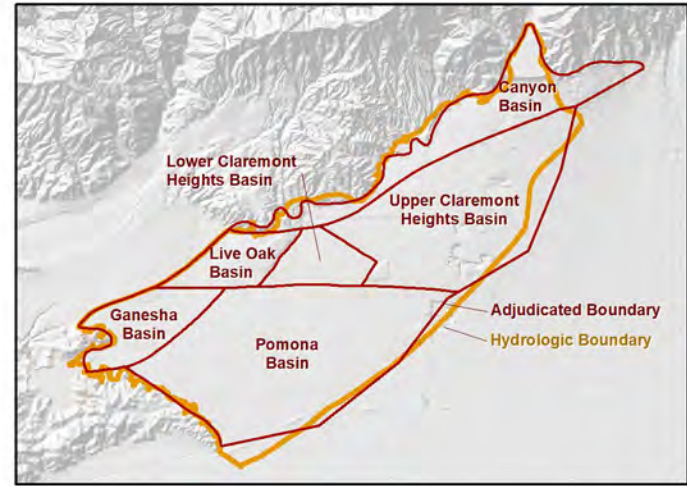


Figure 3 from the memo *Analysis for Substantial Injury for the Proposed TVMWD-3 Well*, dated August 24, 2016.

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 Author: CS
 Date: 20170713



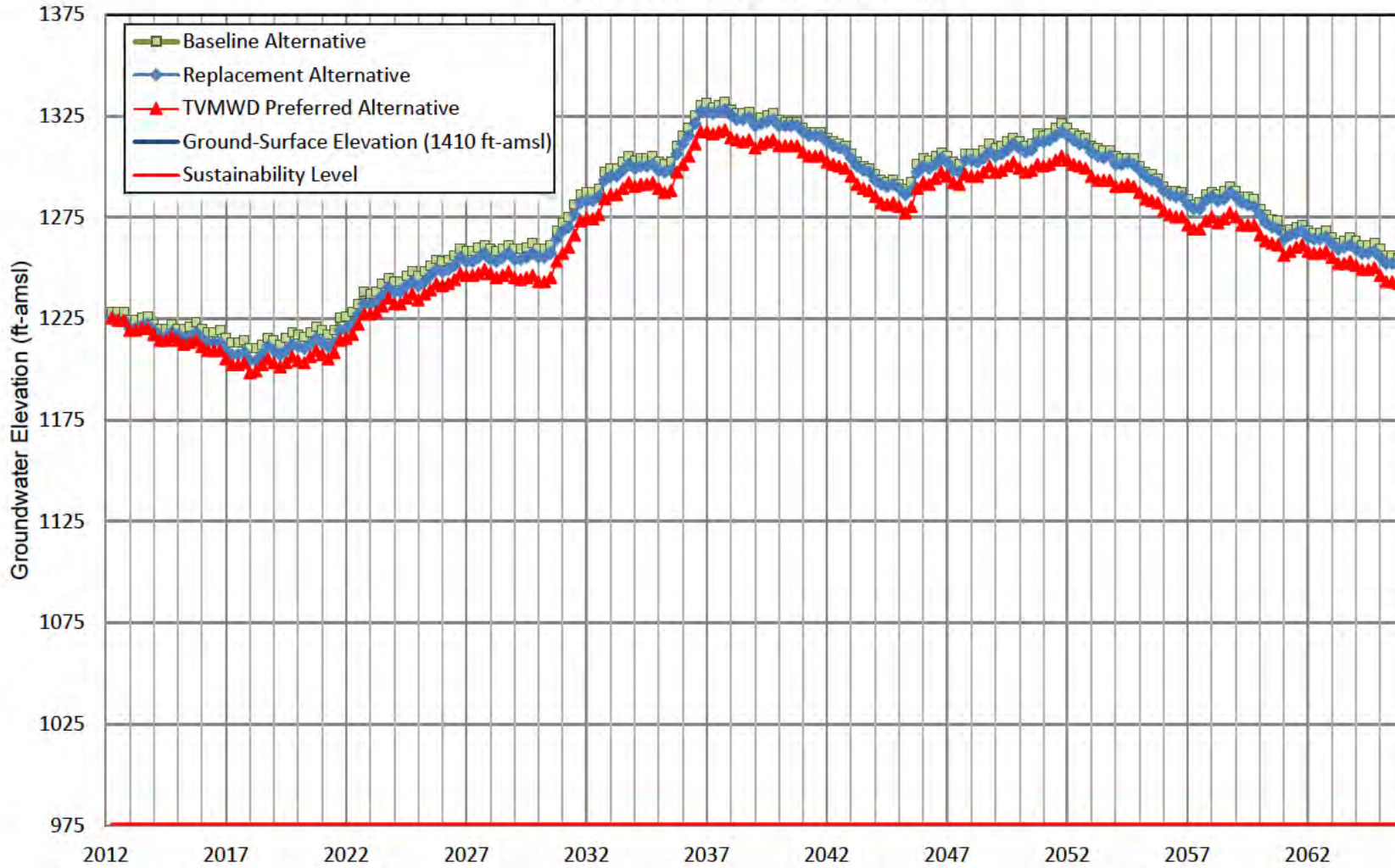
Six Basins Watermaster
 Substantial Injury Analysis

Groundwater-Level Difference:
Replacement minus Baseline
 End of Simulation (July 2066) - Model Run for TVMWD-3

Figure 3

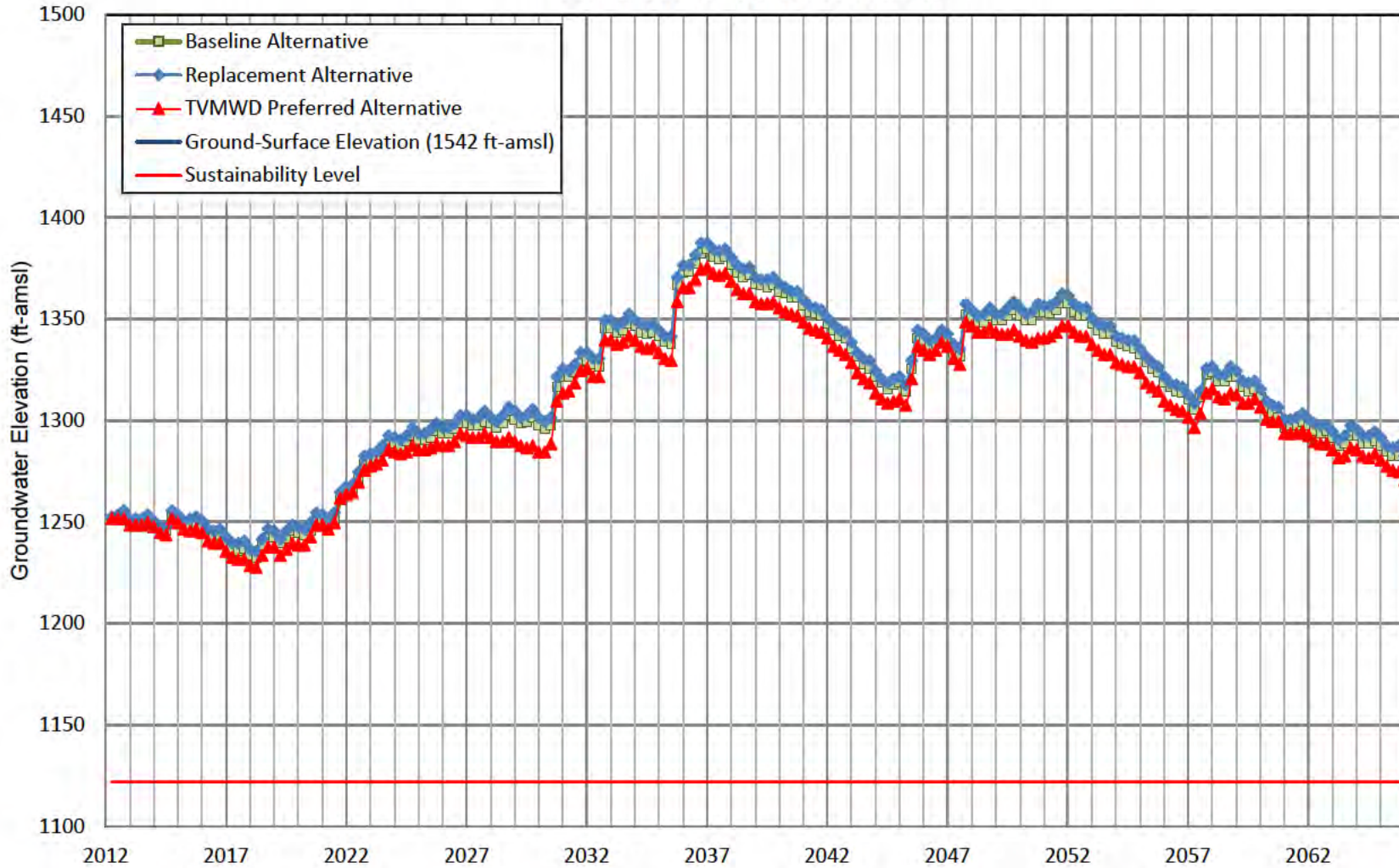
Upper Claremont Heights Basin

Figure B-3
Projected Groundwater Elevations at Well Indian Hill North #3 (GSWC)
Alternatives Compared to Baseline



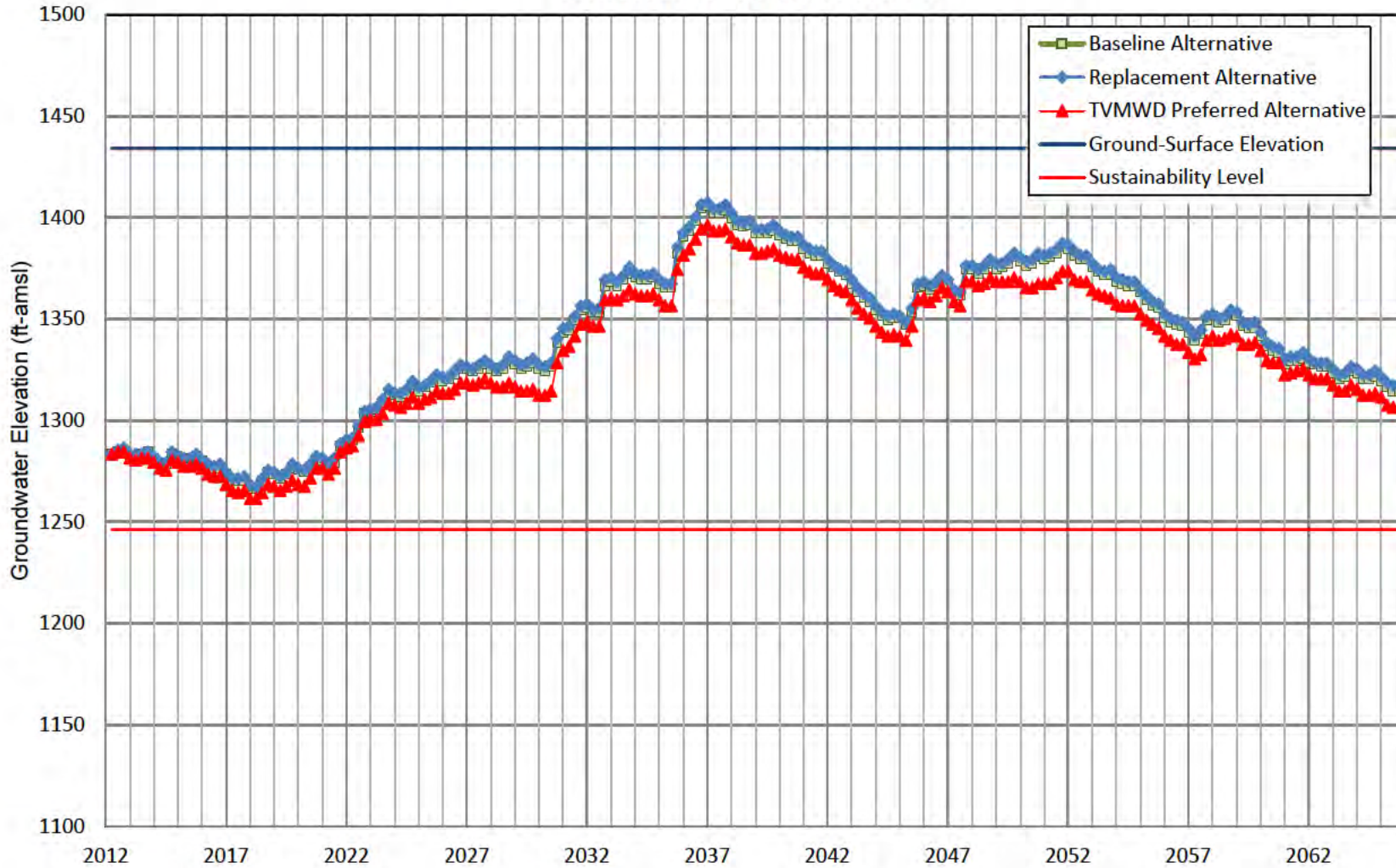
Upper Claremont Heights Basin

Figure B-4
Projected Groundwater Elevations at Well Marlboro #2 (GSWC)
Alternatives Compared to Baseline



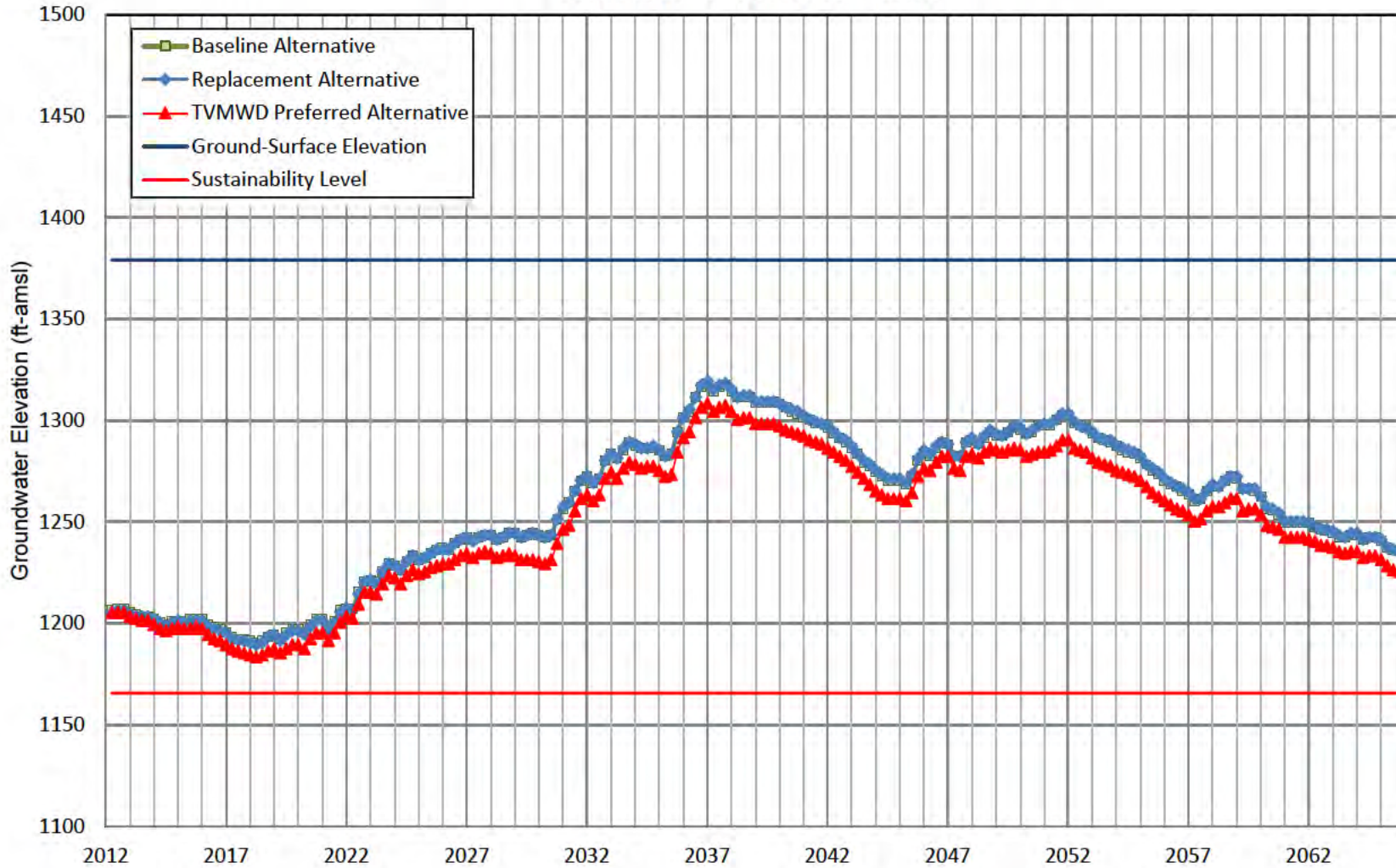
Upper Claremont Heights Basin

Figure B-5
Projected Groundwater Elevations at Well Mills #1 (GSWC)
Alternatives Compared to Baseline



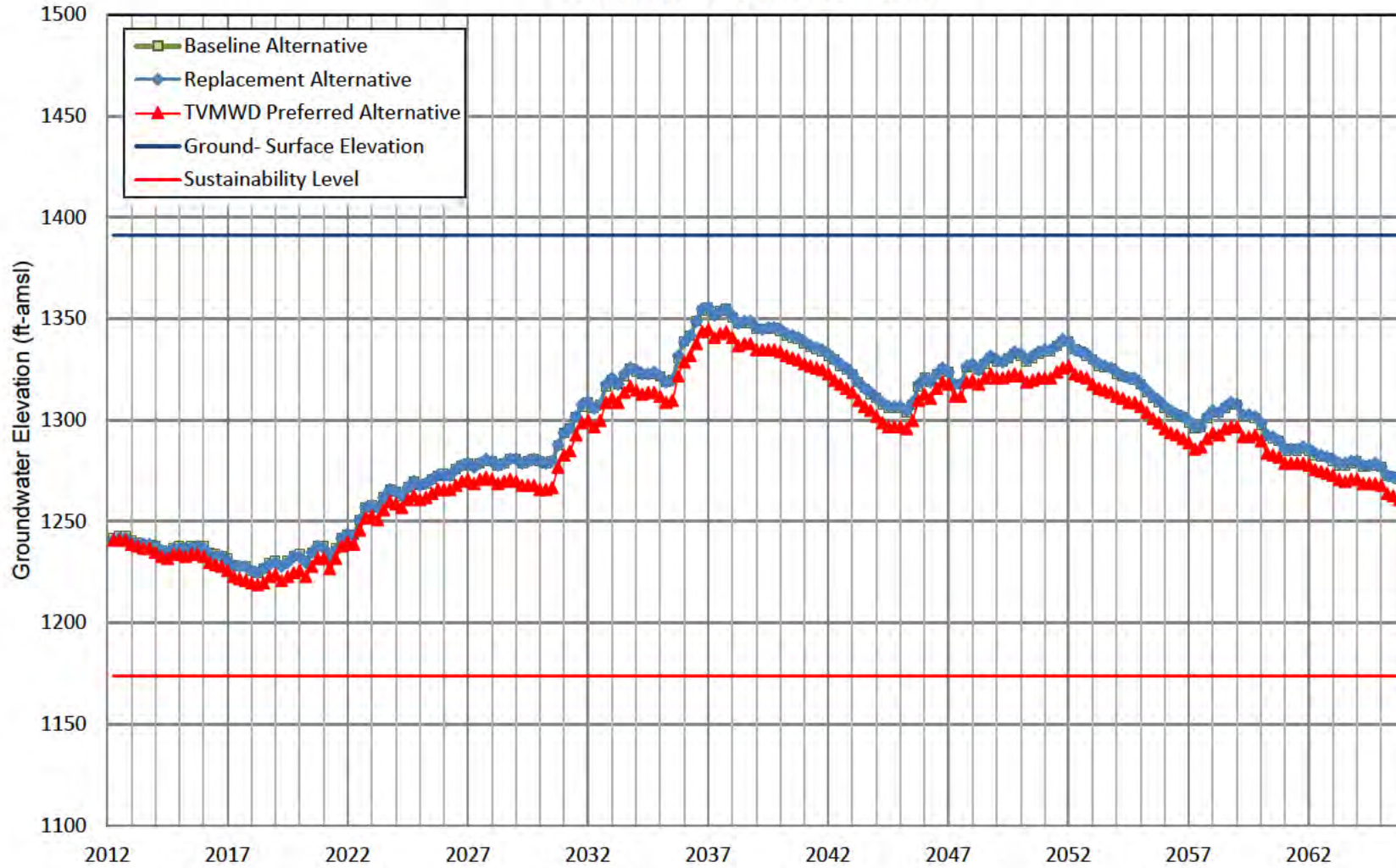
Upper Claremont Heights Basin

Figure B-8
Projected Groundwater Elevations at Well TW-1 (City of Pomona)
Alternatives Compared to Baseline



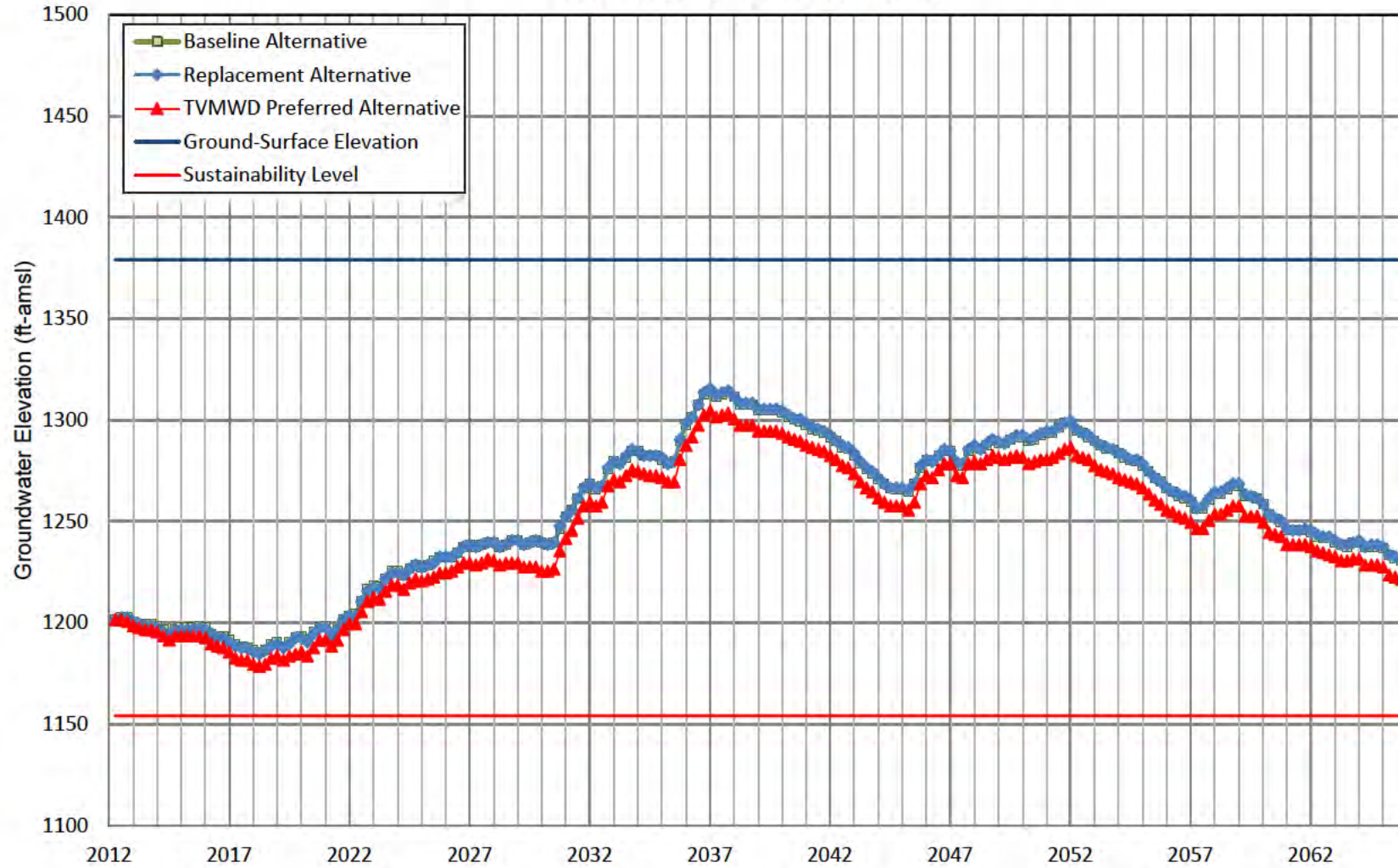
Upper Claremont Heights Basin

Figure B-9
Projected Groundwater Elevations at Well TW-2 (City of Pomona)
Alternatives Compared to Baseline



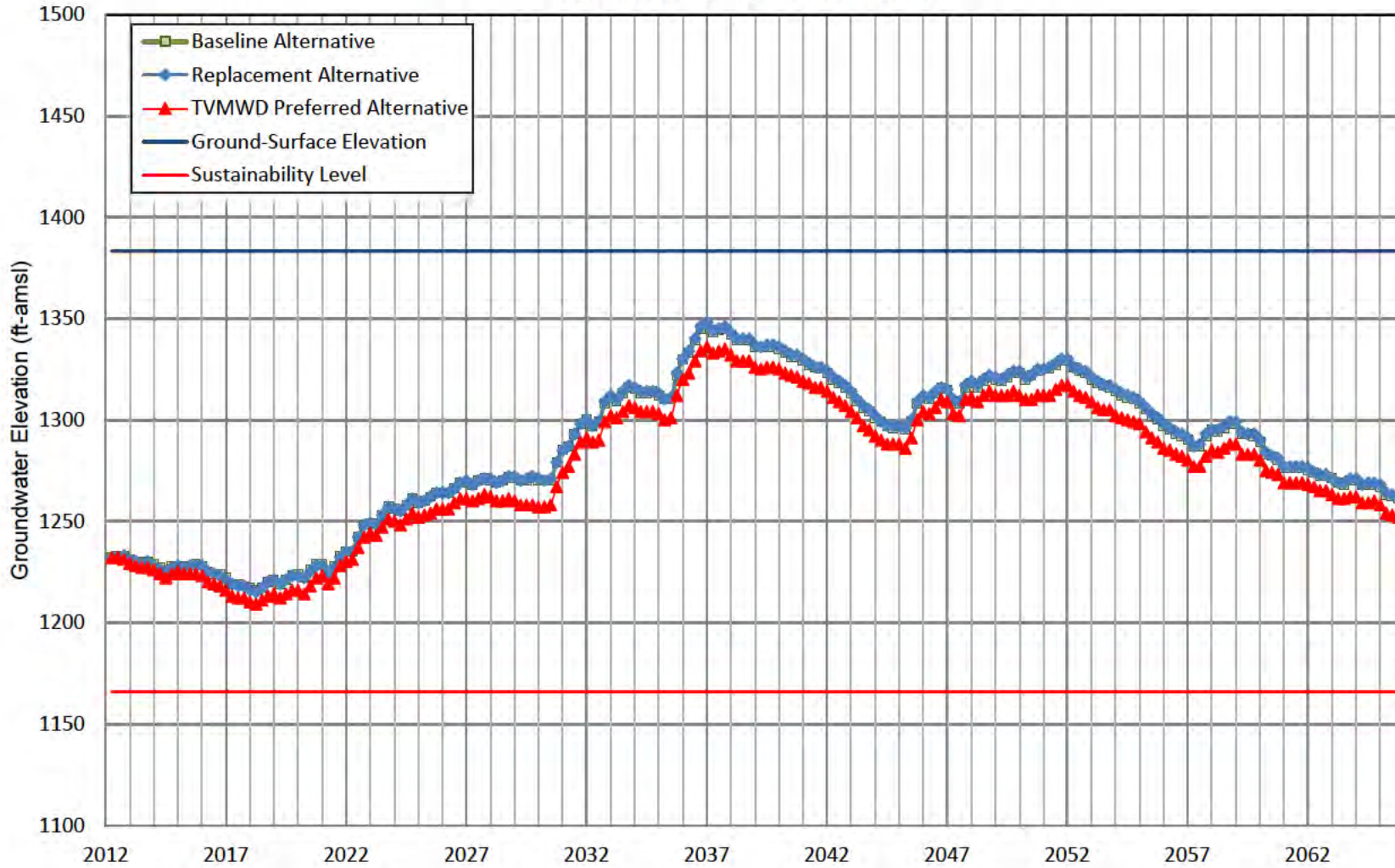
Upper Claremont Heights Basin

Figure B-10
Projected Groundwater Elevations at Well TW-3 (City of Pomona)
Alternatives Compared to Baseline



Upper Claremont Heights Basin

Figure B-11
Projected Groundwater Elevations at Well TW-4 (City of Pomona)
Alternatives Compared to Baseline



Proposed Update to the Operating Plan

Evaluation for the Potential for Substantial Injury – Draft 4

The following is recommended language (Draft 4, redlined changes from Draft 3) for an update to the Operating Plan regarding the Evaluation for the Potential for Substantial Injury in the Six Basins:

Evaluation for the Potential for Substantial Injury

Definitions:

Action means

- installing a new production facility,
- re-location of a production facility,
- constructing and operating a new recharge project,
- a new or revised storage and recovery agreement,
- transfers of production rights,
- a Special Project, as defined in Section VI.B.11 of the Judgment, or
- a combination of the any of the above,

Application means a written notice of a proposed Action or written request for Watermaster approval of a proposed Action submitted by any Party. **Applicant** means a Party that submits an Application, as defined in the prior section, to Watermaster.

Substantial Injury means injury to a Party, the basin, or the environment that is attributable to the implementation of an Action, including, but not limited to, rising groundwater, liquefaction, interference with the ability to pump OSY, increases in pump lift, degradation of water quality, or land subsidence. Actions are evaluated on a case-by-case basis to determine whether they have the potential to cause Substantial Injury.

Process to Evaluate for the Potential for Substantial Injury:

1. Applicant submits an Application to Watermaster staff that describes the proposed Action.
2. Within 30 days of receipt of the Application, Watermaster staff reviews the Application, and prepares a memorandum for Watermaster review that contains recommendations as to:
 - a. The need to evaluate the potential for the Action to cause Substantial Injury (or not).
 - b. The proposed method(s) to perform the evaluation.
 - c. A cost estimate and schedule to perform the evaluation.
3. The Watermaster, at its discretion, takes action on the recommendations in the memorandum at a Board meeting.
4. If directed by the Watermaster, the Substantial Injury evaluation is performed pursuant to the schedule set by Watermaster in (3). The Applicant may be asked to confer and

- cooperate with the Watermaster, its staff, or consultants to carry out the Substantial Injury evaluation.
5. Watermaster staff prepares a memorandum that describes the results of the Substantial Injury evaluation, including any recommendations for monitoring, mitigation, and reporting.
 6. The Watermaster takes action on the Substantial Injury evaluation at a Board meeting in one of the following ways:
 - a. For Actions requiring Watermaster approval, Watermaster may (i) approve the Application and prescribe any terms and conditions, (ii) order further Substantial Injury evaluation, or (iii) deny the Application.
 - b. For Actions requiring only notification to Watermaster, Watermaster may (i) adopt the findings of the Substantial Injury evaluation, (ii) order further Substantial Injury evaluation, or (iii) reject the findings of the Substantial Injury evaluation.
 7. For Actions requiring Watermaster approval, upon approval by Watermaster the Applicant shall have the right to proceed with the Action in accordance with the terms and conditions of said approval.

Appendix C **HYDROLOGY ANALYSIS**

Grand Avenue Well

Site Drainage Narrative

1. Existing Condition

Under existing conditions, the well site surface drains to the adjacent Grand Avenue. Grand Avenue drains from north to south to a low point at the cul-de-sac adjacent to the sound wall for the SR 210 freeway. At this low point, there is a 7-foot catch basin in an 8-inch curb face, without local depression. The outlet pipe appears to be approximately an 18-inch square box culvert that passes under the sound wall to a Caltrans concrete rectangular channel (approximately 40-inches deep by 7-feet 4-inches wide) in the freeway right-of-way. The existing tributary drainage area to this low point is estimated to be approximately 0.8 acres as shown in the figure below.



A portion of the church property to the north drains to the southwest corner of the church parking lot. This drainage then flows in a shallow rectangular channel under the block screen wall onto the well site. This drain flows into an inlet on the well site, then in an underground conduit that extends through the SR 210 sound wall and empties into the same Caltrans concrete rectangular channel in the freeway

right-of-way mentioned above. The tributary area of the church property at the point where it crosses into the well site is estimated to be approximately 2.4 acres as shown in the figure below.



2. Proposed Condition

The proposed site plan includes drilling a new water well and providing for a structure to house the well equipment. The existing drain from the church property conflicts with the proposed location of the well and enclosure as it passes directly through the middle of the parcel.

The proposed change is to divert the church parking lot drainage to flow directly to Grand Avenue. This would include extending the existing curb and gutter approximately 24 feet west from the church parking area to the back of the existing sidewalk, and a parkway culvert under the sidewalk. This would increase the total tributary drainage area to the low point catch basin to approximately 3.2 acres.

For this size drainage area, LA County allows use of the rational method equation – $Q=CiA$, where Q is the predicted flow in cfs, C is a runoff coefficient, i is the rainfall intensity at the time of concentration in inches per hour, and A is the tributary drainage area in acres. For this site, the land use is predominately impervious surfaces, so a C value of 0.9 is appropriate. Assuming a 10-minute time of concentration,

NOAA Atlas 14 reports a 10-year return frequency rainfall of 0.389 inches, or 2.334 inches per hour and a 25-year return frequency rainfall of 0.483 inches, or 2.898 inches per hour. Based on these values, the expected 10-year flow at the catch basin would be 6.72 cfs and the expected 25-year flow would be 8.34 cfs.



As mentioned in the Existing Condition section, it appears that the outlet to the catch basin is an 18-inch square RCB. Modeling the outlet using HY-8 indicates that the 25-year flow depth at 8.34 cfs would be 1.68 feet deep in the catch basin. This indicates that the catch basin outlet has sufficient capacity to carry the flow without increasing flooding in the street.

The other component of potential flooding concern would be the capacity of the catch basin inlet. For a 7-foot long catch basin in a sump with an 8-inch high curb face and a 6-inch high opening, the water depth to accept the 10-year flow of 6.72 cfs would be approximately 5.46 inches, or 2.54 inches below the top of curb. For the 25-year flow of 8.34 cfs, the water depth would be approximately 6.60 inches, or 1.40 inches below the top of curb. This depth of water would be contained within the street section. Topo shots indicate that the top of curb at the catch basin is at elevation 1483.83, so the ponding level for a 10-year flow would be to elevation 1483.62, and the ponding level for the 25-year flow would be to elevation 1483.71. This depth of water would be contained within the street section.

Appendix D RESPONSE TO COMMENTS

**Appendix D
Response to Comments**

Initial Study/Mitigated Negative Declaration
Three Valleys Municipal Water District
New Groundwater Production Well No. 4 (TVMWD Grand Avenue Well) & Pipeline

Note: This Appendix D is being added to the Draft IS/MND to ensure a complete record. The addition of this appendix will appear in the Final IS/MND that is adopted by the TVMWD.

In accordance with the California Environmental Quality Act (CEQA) and the CEQA Guidelines, the Three Valleys Municipal Water District (TVMWD) has hereby prepared a Draft Initial Study/Mitigated Negative Declaration (IS/MND) for public review and comment. The Draft IS/MND has identified and evaluated the potential environmental impacts of the proposed new groundwater production well and associated conveyance pipeline.

The Draft IS/MND was distributed for public review on October 23, 2017 initiating a 30-day public review period that ended on November 22, 2017. The document was made available online at www.ThreeValleys.com, at the County of Los Angeles Public Library - Claremont, and at TVMWD's office.

A total of five letters were received before the close of the comment period. Pursuant to California Environmental Quality Act (CEQA) Guidelines §15073, "The lead agency shall notify in writing any public agency which comments on a proposed negative declaration or mitigated negative declaration of any public hearing to be held for the project for which the document was prepared."

This document adds Appendix D to the Draft IS/MND to memorialize the written comments and responses to the environmental issues raised in these letters. The written responses describe the disposition of significant environmental issues raised, as required by CEQA Guidelines §15073.

**Table 1
Comment Letters on Draft Initial Study/Mitigated Negative Declaration**

Letter Number	Public Agency, Organization, Individual	Date of Letter
1	Colbert Environmental Group	November 20, 2017
2	City of Claremont	November 20, 2017
3	Department of Transportation – District 7	November 14, 2017
4	Gabrieleno Band of Mission Indians	November 7, 2017
5	Gabrieleno Band of Mission Indians	October 25, 2017



MEMORANDUM

To: Maria Tipping, Assistant Engineer
 From: Kimberly Colbert, Environmental Compliance Consultant
 Date: November 20, 2017
 Subject: Review of Initial Study/Mitigated Negative Declaration for Three Valleys Municipal Water District Proposed Groundwater Production Well No.4 & Pipeline Grand Avenue, Claremont, California
 Cc: DeLisa Bryant, Assistant Engineer

The City's Environmental Staff has completed the review of the Initial Study/Mitigated Negative Declaration for Three Valleys Municipal Water District Proposed Groundwater Production Well No.4 & Pipeline Grand Avenue (Project), in the City of Claremont. The Project consists of the construction of a new groundwater production well structure in a vacant former Caltrans property located on Grand Avenue; the construction of a new pipeline that will connect the well to the Miramar Treatment Plan; and the extension of the existing curb and gutter system to accommodate stormwater runoff.

The project applicant shall address the following items below prior to proceeding with the project application:

1. The Project Applicant shall provide a full and accurate accounting of total project scope and area of land disturbing activities. Information shall include: area for production well structure, trenching activities for water pipeline(s), curb and gutter extension, and construction equipment staging area(s). The Project Applicant shall comply with all applicable Planning and Development and Construction Development standards based on project size and scope. | 1-1
2. The Project will discharge approximately 450,000 gallons of ground water to the City of Claremont's municipal separate storm sewer system (MS4). The Project Applicant shall notify the City of Claremont prior to the planned or unplanned discharge of groundwater in excess of 10,000 gallons. The applicant shall comply with the attached notification and monitoring procedures prior to and during any planned or unplanned discharge in excess of 10,000 gallons. Applicant shall provide a thorough and complete listing of all potential groundwater pollutants for the area. | 1-2
3. Applicant shall prepare and submit a hydrology study for the Project, documenting the current stormwater runoff conditions, capacity of catch basin and MS4 system, proposed increase to current capacity, and potential impact(s) of project on private development located adjacent to Project. | 1-3
4. The Applicant shall provide supporting documents and apply to the City of Claremont for a Storm Sewer Connection Permit. | 1-4

Letter 1 – Letter from Colbert Environmental Group

1-1

Comment noted. TVMWD will design and construct the proposed well and pipeline according to best engineering practices. Approximately 9,100 sq. ft. of trenching activities is estimated for the new pipeline and 24 linear feet (48 sq. ft.) of new curb and gutter extensions will be installed. In addition, approximately 3,400 sq. ft. area will be disturbed on-site during construction of the well and enclosure. Construction equipment staging areas will occur within the church parking lot and over existing asphalt. The total area of land disturbing activities is approximately 12,600 sq. ft.

1-2

Comment noted. TVMWD will notify the City of Claremont prior to the planned or unplanned discharge of groundwater in excess of 10,000 gallons and will comply with the City's monitoring procedures as outlined in the attached letter from the City of Claremont.

1-3

TVMWD's engineering consultant has prepared a Hydrology Study (Appendix C) for the Proposed Project, which documents the current and proposed stormwater runoff conditions, capacity of catch basin and MS4 system, and proposed revisions. The Hydrology Study indicates that the existing catch basin is adequate to accommodate the anticipated stormwater runoff due to the proposed revisions (i.e. re-routing of runoff). The proposed project does not increase the net total stormwater runoff.

1-4

TVMWD will provide the supporting documents and apply to the City of Claremont for a Storm Sewer Connection Permit.



Subject: Planned and Unplanned Discharges From Potable Water Suppliers

The Los Angeles Municipal Storm Water Permit conditionally exempts discharges by potable suppliers, provided that appropriate best management practices are implemented per the American Water Works (California-Nevada Section) *Guidelines for the Development of Your Best Management Practices (BMP) Manual for Drinking Water System Releases* or an equivalent industry standard BMP manual. The City of Claremont requires discharges greater than 10,000 gallons to comply with the following notification and monitoring procedures:

1. Notify the City at least 72 hours prior to a planned discharge and as soon as possible after an unplanned discharge;
2. Monitor any pollutants of concern¹ in the potable water supplier's distribution system release; and
3. Potable water supplier shall maintain records of all planned and unplanned discharges of 10,000 gallons to the MS4. Record keeping shall include:
 - a. Name of discharger;
 - b. Date and time of notification (for planned discharges);
 - c. Method of notification;
 - d. Location of discharge and discharge pathway;
 - e. Receiving water;
 - f. Date of discharge;
 - g. Time of the beginning and end of the discharge, duration of the discharge;
 - h. Flowrate or velocity;
 - i. Total number of gallons discharged;

¹ Pollutants of concern from drinking water supplier distribution system releases may include trash and debris, including organic matter, total suspended solids (TSS), residual chlorine, pH, and any pollutant for which there is a water quality-based effluent limitation (WQBEL) in Part VI.E applicable to discharges from the MS4 to the receiving water (San Gabriel River). Determination of the pollutants of concern for a particular discharge shall be based on an evaluation of the potential for the constituent(s) to be present in the discharge at levels that may cause or contribute to exceedances of applicable WQBELs or receiving water limitations in the San Gabriel River.

1-5

Letter 1 – Letter from Colbert Environmental Group

1-5

The Los Angeles Municipal Storm Water Permit Conditional Exemption has been noted. TVMWD will implement appropriate Best Management Practices (BMPs) (per the American Water Works Guidelines) and will notify the City at least 72 hours prior to a planned discharge greater than 10,000 gallons and as soon as possible after an unplanned discharge greater than 10,000 gallons.

During well development and testing, it is anticipated that discharges to the storm drain will exceed 10,000 gallons. The drilling contractor will be required to monitor and test for all pollutants of concern in the discharge water including debris, organic matter, total suspended solids (TSS), residual chlorine, pH, and any pollutants for which there is a water quality-based effluent limitation as specified in Part VI.E of the City's MS-4 permit. TVMWD, through their drilling contractor and hydrogeologist, will keep and maintain records of the planned discharges, as required by the City.

- j. Type of dechlorination equipment used and type of dechlorination chemicals used (if applicable)
- k. Concentration of residual chlorine (if applicable);
- l. Type(s) of sediment controls used;
- m. pH of discharge;
- n. Type(s) of volumetric and velocity controls used; and
- o. Field and laboratory monitoring data.

Records shall be retained for five years and supplied to the City. In addition records shall be made available upon request by the Regional Water Board.

1-5

Letter 1 – Letter from Colbert Environmental Group

1-5 (continued)

The Los Angeles Municipal Storm Water Permit Conditional Exemption has been noted. TVMWD will implement appropriate Best Management Practices (BMPs) (per the American Water Works Guidelines) and will notify the City at least 72 hours prior to a planned discharge greater than 10,000 gallons and as soon as possible after an unplanned discharge greater than 10,000 gallons.

During well development and testing, it is anticipated that discharges to the storm drain will exceed 10,000 gallons. The drilling contractor will be required to monitor and test for all pollutants of concern in the discharge water including debris, organic matter, total suspended solids (TSS), residual chlorine, pH, and any pollutants for which there is a water quality-based effluent limitation as specified in Part VI.E of the City's MS-4 permit. TVMWD, through their drilling contractor and hydrogeologist, will keep and maintain records of the planned discharges, as required by the City.

November 20, 2017

Ben Peralta Jr. P.E.
 Three Valleys Municipal Water District
 1021 E. Miramar Avenue
 Claremont, CA 91711

Dear Mr. Peralta:

The letter is in response to the Initial Study/Mitigated Negative Declaration document prepared for the Three Valleys Municipal Water District's (TVMWD) proposed well at the southern terminus of Grand Avenue and associated pipe line installation.

Please see below for City of Claremont comments:

Page 1.5-Figure 3 Proposed Project Conceptual Construction Layout: Fire Department approval of the proposed project is necessary. 2-1

Page 3.1-3.1 Aesthetics

The document states that there is external illumination near the project site. This is not an accurate statement. There is no streetlight at the end of Grand Avenue. In addition, this section states that the project would require continuous (24/7) construction activities, with no description of lighting sources impacting nighttime construction activities. 2-2

Page 3.5-3.3 Air Quality

The document needs to address air quality impacts during construction of pipe line. 2-3

Section 3.6 Geology and Soils

Erosion control needs to comply with the City's MS4 Ordinance. The document needs to address BMPs for pipe line installation, in compliance with Municipal Order #R4-2017-017 and in consistency with Regional Water Board requirements. 2-4

Section 3.8 Hazards and Hazardous Materials

Letter 2 – Letter from City of Claremont

2-1

Comment noted. An email approval from the Los Angeles County Fire Department was provided on July 27, 2017.

2-2

Comment noted. TVMWD has confirmed that there is external illumination near the project site (Exhibits 1-3, 5-7). One street light is located approximately 60 ft. north of the proposed well site and illuminates a portion of the cul-de-sac. In addition, two light poles exist in the church parking lot and are south facing towards the project site (Exhibits 1-3, 5-7). All temporary lighting sources will be directed towards the project site and shielded by a 24-ft. tall sound barrier during nighttime construction activities.

2-3

Comment noted. Page 3.7 Table 2 of the Draft IS/MND addresses air quality impacts during construction of the pipeline. Table 2 illustrates that the total estimated construction of well and pipeline air quality impacts are below the SCQAMD Regional and Localized Thresholds and are therefore less than significant.

2-4

Comment noted. Erosion control will comply with the City's MS4 Ordinance. TVMWD will implement BMPs for pipeline and well installation and will be consistent with Regional Water Board requirements.

<p>In the event there is a hazardous material spill, the clean-up procedures shall be compliant with the City's SSMP (Sanitary Sewer Maintenance Plan).</p>	2-4
<p>The document states that the construction activities would not interfere with the emergency vehicles ability to access the Stone Creek Homes. Fire Department needs to review and approve the proposed layout. Has Fire Department seen the proposed access?</p>	2-4
<p>3.9 Hydrology and Water Quality</p>	
<p>The proposed project is rerouting existing drainage patterns. Existing drainage patterns flow from private property (LDS Church) to state right of way, within the freeway. The rerouting of the drainage patterns requires a connection to the City's MS4 (curb and gutter). The project shall clearly identify the area that is being discharged and connection should be calculated accordingly. This discharge onto the end of the cul de sac creates concerns with impacts to the Stone Creek development. Supporting documents should be prepared to ensure that the proposed connection is adequate.</p>	2-5
<p>The City's Environmental consultant has reviewed this section. Please refer to attached letter from Colbert Environmental Group.</p>	
<p>3.10-Land Use and Planning ??????</p>	2-5
<p>3.12 Noise</p>	
<p>The document fails to analyze the full impacts generated by proposed 24/7 construction operations. The need to noise abatement needs to be addressed.</p>	2-6
<p>3.14 Public Services</p>	
<p>The City standards to cul de sac design requires 32' radius. The existing radius is substandard. Has Fire Department issued a statement on this?</p>	2-7
<p>3.16 Transportation and Traffic</p>	
<p>The document states that this project would have minimal traffic control impacts to the local circulation system. Further, the document focused on the well site at the end of the cul de sac to determine that the impacts would be less than significant. This project also includes the installation of 6,100 feet of pipe line on Grand Avenue, Base Line Road and Padua Avenue. The intersection of Base Line Road and Padua Avenue is located in the very near proximity of the 210 Freeway on-off ramps, within a very congested area. Further, Padua Avenue is a 2 lane road which provides access to Western Christian Elementary School, Padua Sports Park and numerous residential neighborhoods. The document fails to address the Transportation and Traffic impacts that would be caused by the installation of the pipe line.</p>	2-8

<p>Letter 2 – Letter from City of Claremont</p>	
<p>2-4 (continued) Comment noted. TVMMWD will comply with the City's Sanitary Sewer Maintenance Plan in the event there is a potential hazardous material spill. In addition, the proposed layout was approved by the Fire Department on July 27, 2017 and the approval was forwarded to the City of Claremont.</p>	
<p>2-5</p>	
<p>Comment noted. The Draft IS/MND includes a Hydrology Report (Appendix C) prepared by a licensed Stantec Civil Engineer, which indicates that the existing catch basin has adequate capacity and its low point will not flow into the nearby Stone Creek development. The high point of the existing emergency fire access concrete driveway is 1.5 ft. above the existing catch basin (Exhibit 4). In addition, Land Use and Planning is addressed on Page 3.27 of the Draft IS/MND.</p>	
<p>2-6</p>	
<p>Comment noted. During all 24/7 phases of well drilling and construction, the drilling contractor will be required to keep in place 24-ft. high noise attenuation panels between the well site and nearby residences. Noise levels between the construction site and nearby residences will be monitored on a regular basis to verify compliance with noise limits specified in the City's General Plan.</p>	
<p>2-7</p>	
<p>The Fire Department has reviewed and approved the proposed site layout. In addition, the Proposed Project does not involve re-design of the cul-de-sac. The Fire Department has not commented or expressed any concerns regarding the size of the cul-de-sac.</p>	
<p>2-8</p>	
<p>Page 3.42 addresses appropriate potential traffic control measures.</p>	

In addition, and pursuant to Claremont Municipal Code (CMC) Section 16.303.010.B.2, public utility structures are a conditional use which may be permitted in any land use district. As such a Conditional Use Permit (CUP) is required for a water well to be constructed at the subject side. Please note the following regarding CUPs:

1. They are reviewed by the Planning Commission (PC) at a public meeting in which all neighbors will be sent notice of any decision of the PC pertaining to the CUP can be appealed by anyone from the public or be called up for review by any member of the City Council. An appeal or call up will then be reviewed by the entire City Council.
2. A CUP is a discretionary permit, which means that it will be denied by the PC if the required findings cannot be made. As such, it is important to have a very clear and understandable application, demonstrating how all the findings can be met or addressed with new improvements. It is also very important to get neighborhood support for the proposal, as without it, the City may not support the proposal.

2-9

Any future work on this project by City staff will require submittal of a deposit to cover staff time. Below is a list of items that should be further addressed by TVMWD:

- Noise - 1) construction; 2) water pump itself; 3) pump to push water up Padua Avenue; and 4) generators. Will noise from drilling and construction exceed noise levels for the residential neighborhood?
- Visual appearance and how will the site be designed so that the proposal will not impair the integrity and character of the neighborhood.
- Wall heights – Are existing walls sufficient or are taller walls necessary for sound, security, or visual screening? If new walls are necessary, will they exceed height requirements and need a variance?
- What security measures would be necessary for this type of facility? Walls, lighting, cameras, etc.
- Trenching a new pipe line on Grand Avenue, Base Line Road and Padua Avenue.
- Are any chemicals stored on site?

2-10

2-11

2-12

2-13

Should you have any questions, please do not hesitate to contact me at (909) 399-5470.

Letter 2 – Letter from City of Claremont

2-8 (continued) Roads may be temporary limited to one lane during construction, but appropriate traffic control measures and devices will be used that comply with the Work Area Traffic Control Handbook (WATCH). These potential impacts are temporary and will be mitigated by appropriate traffic control measures such as construction of the water pipeline during the summer to minimize potential impacts to the nearby Western Christian School. In addition, construction hours may be limited to avoid morning and evening rush hour traffic.

2-9 Comment noted. As a public agency, the District is statutorily exempt from such regulation by the City. Specifically, Government Code Section 53091(d) expressly states that “ordinances of a county or city shall not apply to the location or construction of facilities for the production, generation, storage, treatment, or transmission of water ... by a local agency.” Additionally, Government Code Section 53091(e) further illustrates that “ordinances of a county or city shall not apply to the location or construction of facilities for the production, generation, storage, treatment, or transmission of water.”

2-10 TVMWD has addressed noise mitigation measures on Page 3.33 of the Draft IS/MND to reduce construction and operation related noise. Also see response to comment 2-6.

2-11 The District plans to construct a 6-foot tall wall along the perimeter of the parcel with a sliding access gate facing Grand Avenue. TVMWD has addressed the visual appearance of the well enclosure on Page 3.1 of the Draft IS/MND and included reference to Figure 4 for a conceptual rendering of the proposed well enclosure/building. A 24-ft. high sound barrier will be temporary installed during well drilling and construction to reduce potential noise impacts. The sound wall will be dismantled and removed upon completion of well construction.

2-12

As described on Page 3.1, motion detector lights and cameras will be installed for security measures along with a security gate.

2-13

As described on Page 3.20, no chemicals will be stored on site.

DEPARTMENT OF TRANSPORTATION

DISTRICT 7
100 S. MAIN STREET, SUITE 100
LOS ANGELES, CA 90012
PHONE (213) 897-0362
FAX (213) 897-0360
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November 14, 2017

Mr. Ben Peralta, Project Manager
Three Valleys Municipal Water District
1021 E. Miramar Avenue
Claremont, CA 91711-2052

Dear Mr. Peralta:

This letter is in response to your request for review of the Three Valleys Municipal Water District (TVMWD) Grand Avenue Well project that involves rerouting the church parking lot drainage to surface flow directly onto Grand Avenue.

Caltrans reviewed the Preliminary Design Report and the Site Drainage Narrative prepared by your design contractor Thomas Harder & Company. TVMWD proposes to reroute the surface runoff from the Church's property (a drainage area of 3.2 acres as identified in the report) directly to the Grand Avenue, surface flow to the City of Claremont's existing 7-foot catch basin at the cul-de-sac. Note, the existing Church's runoff currently flows thru TVMWD's property via a Caltrans constructed drainage system that connects to Caltrans concrete channel. And the existing Caltrans concrete channel has sufficient capacity to receive the proposed rerouting of flow.

3-1

Please coordinate your proposed design/catch basin capacity item, if any, with the City of Claremont and share with Caltrans your plans as approved by the City before commencing to construct the project.

On behalf of Caltrans, we would like to thank you for giving the opportunity to comment on this project. If you have any questions, please contact me at (213) 897-2989 or Charles Ton of my staff at (213) 897-7295.

Sincerely,

Sam Alameddine
Chief, Office of Design B
Caltrans District 7

c: Victor St. Pierre, City of Claremont

Letter 3 – Letter from Department of Transportation District 7

3-1

Comment noted. TVMWD will coordinate the proposed runoff re-routing revisions (i.e. per Stantec Hydrology Report) with the City of Claremont and will share it with Caltrans before commencing to construct the Proposed Project.



Kizh Gabrieleno Band of Mission Indians

Re: Cultural Resources Mitigation Measures, regarding Tribal Cultural Resources and Human Remains and associated funerary objects within Kizh Gabrieleno Tribal Territory.

Note: *The Gabrieleno Band of Mission Indians Kizh -Nation ONLY replies to projects within their ANCESTRAL territory, because it's the highest degree of relationship to the land, even over culturally or traditionally affiliated, and our Oral History and documented information pertain to our Tribe's village areas, commerce areas, recreation areas, and burial locations within our tribe's ancestral territory. Therefore, in order to protect these irreplaceable Tribal Cultural Resources within our ancestral tribal territory, Native American Monitors shall be from the Gabrieleno Band of Mission Indians Kizh -Nation*

Retain a Native American Monitor: The project Applicant will be required to obtain the services of a qualified Native American Monitor(s) during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleno Band of Mission Indians Kizh Nation as activities that include, but are not limited to, pavement removal, pot-holing or auguring, grubbing, weed abatement, boring, grading, excavation, drilling, and trenching, within the project area. The monitor(s) must be approved by the Tribal Representatives and will be present on-site during the construction phases that involve any ground disturbing activities. The Native American Monitor(s) will complete monitoring logs on a daily basis. The logs will provide descriptions of the daily activities, including construction activities, locations, soil, and any cultural materials identified. The monitor(s) shall possess Hazardous Waste Operations and Emergency Response (HAZWOPER) certification. In addition, the monitor(s) will be required to provide insurance certificates, including liability insurance, for any archaeological resource(s) encountered during grading and excavation activities pertinent to the provisions outlined in the California Environmental Quality Act, California Public Resources Code Division 13, Section 21083.2 (a) through (k). The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the Tribal Representatives and monitor have indicated that the site has a low potential for archeological resources.

*** Hazwoper is needed only if the site has hazardous concerns.*

Unanticipated Discovery of Tribal Cultural Resources: All archaeological resources unearthed by project construction activities shall be evaluated by the Qualified Archaeologist and Native Monitor. If the resources are Native American in origin, the Tribe shall coordinate with the landowner regarding treatment and curation of these resources. Typically, the Tribe will request reburial or preservation for educational purposes. If a resource is determined by the Qualified Archaeologist to constitute a "historical resource" pursuant to CEQA Guidelines Section 15064.5(a) or has a "unique archaeological resource" pursuant to Public Resources Code Section 21083.2(g), the Qualified Archaeologist shall coordinate with the applicant and the City to develop a formal treatment plan that would serve to reduce impacts to the resources. The treatment plan established for the resources shall be in accordance with CEQA Guidelines Section 15064.5(f) for historical resources and Public Resources Code Sections 21083.2(b) for unique archaeological resources. Preservation in place (i.e., avoidance) is the preferred manner of treatment. If preservation in place is not feasible, treatment may include implementation of archaeological data recovery excavations to remove the resource along with

4-1

Letter 4 – Gabrieleno Band of Mission Indians

4-1

On October 24, 2017, TVMWD notified California Native American Tribes who had formally requested notification on CEQA projects under Assembly Bill 52. TVMWD received comments from the Gabrieleno Band of Mission Indians Kizh Nation and scheduled an in-person meeting to review the Proposed Project. The District's environmental consultant preformed a cultural records search and determined that no sensitive cultural resources were discovered within the proposed project area. In addition, the City of Claremont General Plan does not identify any specific archaeological features or resources within the City. Furthermore, no Native American cultural resources were discovered or encountered during construction of the 210 Foothill Freeway extension in early 2000's, which runs east and west immediately south of the proposed well site. The freeway extension involved excavating a swath of land approximately 200 feet wide by over 10 miles long. Therefore, the possibility that Native American cultural resources may be encountered during construction (ground disturbing) activities of the proposed project is very low. Nevertheless, the District will implement mitigation measures CUL-1 and CUL-2 in the Final IS/MND to potentially reduce or avoid impacts to tribal cultural resources.



subsequent laboratory processing and analysis. Any historic archaeological material that is not Native American in origin shall be curated at a public, non-profit institution with a research interest in the materials, such as the Natural History Museum of Los Angeles County or the Fowler Museum, if such an institution agrees to accept the material. If no institution accepts the archaeological material, they shall be donated to a local school or historical society in the area for educational purposes.

Unanticipated Discovery of Human remains and associated funerary objects: Human remains are defined as any physical remains of a human being. The term "human remains" encompasses more than human bones. In ancient as well as historic times, Tribal Traditions included, but were not limited to, the burial of associated cultural resources (funerary objects) with the deceased, and the ceremonial burning of human remains. These remains are to be treated in the same manner as bone fragments that remain intact. Associated funerary objects are objects that, as part of the death rite or ceremony of a culture, are reasonably believed to have been placed with individual human remains either at the time of death or later; other items made exclusively for burial purposes or to contain human remains can also be considered as associated funerary objects. NAGPRA guidance specifically states that the federal agencies will consult with organizations on whose aboriginal lands the remains and cultural items might be discovered, who are reasonably known to have a cultural relationship to the human remains and other cultural items. Therefore, for this project site, it is appropriate to consult with the Gabrieleno Band of Mission Indians – Kizh Nation as recommended by the NAHC.

Prior to the start of ground disturbing activities, the land owner shall arrange a designated site location within the footprint of the project for the respectful reburial of the human remains and/or ceremonial objects. Any discoveries of human skeletal material shall be immediately reported to the County Coroner. The monitor will immediately divert work at minimum of 50 feet and place an exclusion zone around the burial. The monitor will then notify the Qualified Archaeologist and the construction manager who will call the coroner. Work will continue to be diverted while the coroner determines whether the remains are Native American. The discovery is to be kept confidential and secure to prevent any further disturbance. If Native American, the coroner will notify the NAHC as mandated by state law who will then appoint a Most Likely Descendent. In the case where discovered human remains cannot be fully documented and recovered on the same day, the remains will be covered with muslin cloth and a steel plate that can be moved by heavy equipment placed over the excavation opening to protect the remains. If this type of steel plate is not available, a 24 hour guard should be posted outside of working hours. The Tribe will make every effort to recommend diverting the project and keeping the remains in situ and protected. If the project cannot be diverted, it may be determined that burials will be removed. The Tribe will work closely with the Qualified Archaeologist to ensure that the excavation is treated carefully, ethically and respectfully. If data recovery is approved by the Tribe, documentation shall be taken which includes at a minimum detailed descriptive notes and sketches. Additional types of documentation shall be approved by the Tribe for data recovery purposes. Cremations will either be removed in bulk or by means as necessary to ensure completely recovery of all material. If the discovery of human remains includes 4 or more burials, the location is considered a cemetery and a separate treatment plan shall be created. The project applicant shall consult with the Tribe regarding avoidance of all cemetery sites. Once complete, a final report of all activities are to be submitted to the NAHC. The Tribe does NOT authorize any scientific study or the utilization of any invasive diagnostics on human remains.

4-2

Letter 4 – Gabrieleno Band of Mission Indians

4-2

The following mitigation measures have been included in the Final IS/MND and shall be implemented to reduce or avoid impacts to tribal cultural resources.

CUL-1: The Proposed Project Applicant shall be required to obtain the services of a licensed archeologist monitor during construction-related ground disturbance activities. Ground disturbance is defined as activities that include, but are not limited to, pavement removal, pot-holing or auguring, grubbing, boring, grading, excavation, drilling, and trenching, within the Proposed Project area. The monitor would be present on-site during the construction phases that involve any ground disturbing activities. The monitor would complete monitoring logs daily. The logs would provide descriptions of the daily activities, including construction activities, locations, soil, and any cultural materials identified. In addition, the monitor would be required to provide insurance certificates, including liability insurance, for any archaeological resource(s) encountered during grading and excavation activities pertinent to the provisions outlined in the California Environmental Quality Act, California Public Resources Code Division 13, Section 21083.2 (a) through (k). The on-site monitoring shall end when the Proposed Project site grading and excavation activities are completed.

CUL-2: If human remains are encountered during ground disturbing activities, the applicant shall arrange a designated site location within the footprint of the Proposed Project area for the respectful reburial of the human remains and/or ceremonial objects. Any discoveries of human skeletal material shall be immediately reported to the County Coroner. The monitor shall immediately divert work at an adequate distance away, but within the street right-of-way and place an exclusion zone around the burial. The monitor shall then notify the applicant's qualified archaeologist and the construction manager who shall call the coroner. Work shall continue to be diverted while the coroner determines whether the remains are Native American. The discovery is to be kept confidential and secure to prevent any further disturbance.



If the coroner determines the remains represent a historic non-Native American burial, the burial shall be treated in the same manner of respect with agreement of the coroner. Reburial will be in an appropriate setting. If the coroner determines the remains to be modern, the coroner will take custody of the remains.

Each occurrence of human remains and associated funerary objects will be stored using opaque cloth bags. All human remains, funerary objects, sacred objects and objects of cultural patrimony will be removed to a secure container on site if possible. These items should be retained and reburied within six months of recovery. The site of reburial/repatriation shall be on the project site but at a location mitigated between the Tribe and the landowner at a site to be protected in perpetuity. There shall be no publicity regarding any cultural materials recovered.

Professional Standards: Archaeological and Native American monitoring and excavation during construction projects will be consistent with current professional standards. All feasible care to avoid any unnecessary disturbance, physical modification, or separation of human remains and associated funerary objects shall be taken. Principal personnel must meet the Secretary of Interior standards for archaeology and have a minimum of 10 years of experience as a principal investigator working with Tribal Cultural Resources in southern California. The Qualified Archaeologist shall ensure that all other personnel are appropriately trained and qualified.

4-2

Letter 4 – Gabrieleno Band of Mission Indians

4-2 (continued)

If Native American, the coroner shall notify the NAHC as mandated by state law. In the case where discovered human remains cannot be fully documented and recovered on the same day, the remains shall be covered with muslin cloth and a steel plate that can be moved by heavy equipment placed over the excavation opening to protect the remains. If this type of steel plate is not available, a 24-hour guard should be posted outside of working hours. The Tribe shall make every effort to recommend diverting the project and keeping the remains in situ and protected. If the project cannot be diverted, it shall be determined that burials will be removed. The Tribe shall work closely with the applicant's qualified archaeologist to ensure that the excavation is treated carefully, ethically, and respectfully. If data recovery is approved by the Tribe, documentation shall be taken which includes at a minimum detailed descriptive notes and sketches. Cremations shall be removed in bulk to ensure complete recovery of all material. If the discovery of human remains includes 4 or more burials, the location is considered a cemetery and a separate treatment plan shall be created. The project applicant shall consult with the Tribe regarding avoidance of all cemetery sites. Once complete, a final report of all activities shall be submitted to the NAHC. The Tribe shall not authorize any scientific study or the utilization of any invasive diagnostics on human remains. If the coroner determines the remains represent a historic non-Native American burial, the burial shall be treated in the same manner of respect with agreement of the coroner. If the coroner determines the remains to be modern, the coroner shall take custody of the remains.

Each occurrence of human remains and associated funerary objects shall be stored using opaque cloth bags. All human remains, funerary objects, sacred objects, and objects of cultural patrimony shall be removed to a secure container on site if possible. These items shall be retained and reburied within six months of recovery. There shall be no publicity regarding any cultural materials recovered.



GABRIELEÑO BAND OF MISSION INDIANS - KIZH NATION

Historically known as The San Gabriel Band of Mission Indians
 recognized by the State of California as the aboriginal tribe of the Los Angeles basin

Three Valleys MWD
 1021 E. Miramar Ave
 Claremont, CA 91711-2052

October 25, 2017

Re: AB52 Consultation request for the New Groundwater Production Well Located Grand Ave well & Pipeline

Dear Ben Peralta,

Please find this letter as a written request for consultation regarding the above-mentioned project pursuant to Public Resources Code § 21080.3.1, subd. (d). Your project lies within our ancestral tribal territory, meaning belonging to or inherited from, which is a higher degree of kinship than traditional or cultural affiliation. Your project is located within a sensitive area and may cause a substantial adverse change in the significance of our tribal cultural resources. Most often, a records search for our tribal cultural resources will result in a "no records found" for the project area. The Native American Heritage Commission (NAHC), ethnographers, historians, and professional archaeologists can only provide limited information that has been previously documented about California Native Tribes. This is the reason the NAHC will always refer the lead agency to the respective Native American Tribe of the area because the NAHC is only aware of general information and are not the experts on each California Tribe. Our Elder Committee & tribal historians are the experts for our Tribe and are able to provide a more complete history (both written and oral) regarding the location of historic villages, trade routes, cemeteries and sacred/religious sites in the project area. Therefore, to avoid adverse effects to our tribal cultural resources, we would like to consult with you and your staff to provide you with a more complete understanding of the prehistoric use(s) of the project area and the potential risks for causing a substantial adverse change to the significance of our tribal cultural resources.

5-1

Consultation appointments are available on Wednesdays and Thursdays at our offices at 910 N. Citrus Ave. Covina, CA 91722 or over the phone. Please call toll free 1-844-390-0787 or email gabrielenoindians@yahoo.com to schedule an appointment.

** Prior to the first consultation with our Tribe, we ask all those individuals participating in the consultation to view a video produced and provided by CalEPA and the NAHC for sensitivity and understanding of AB52. You can view their videos at: <http://calepa.ca.gov/Tribal/Training/> or <http://nahc.ca.gov/2015/12/ah-52-tribal-training/>

With Respect,

Andrew Salas, Chairman

Andrew Salas, Chairman

Nadine Salas, Vice-Chairman

Christina Swindall Martinez, secretary

Albert Perez, treasurer

Martha Gonzalez-Lemus, treasurer II

Richard Gradias, Chairman of the Council of Elders

PO Box 393, Covina, CA 91723

www.gabrielenoindians.org

gabrielenoindians@yahoo.com

Letter 5 – Gabrieleno Band of Mission Indians

5-1

On November 2, 2017, the District, and the Gabrieleno Band of Mission Indians – Kizh Nation held an in-person meeting to discuss the proposed project and it's potential to encounter sensitive cultural resources during construction (ground disturbing) activities. The District was provided standard mitigation measures from the Kizh Nation in a letter received on November 7, 2017. The District revised these mitigation measures and have included them as mitigation measures CUL-1 and CUL-2 in the Final IS/MND to potentially reduce or avoid impacts to tribal cultural resources.



Letter 5 – Gabrieleno Band of Mission Indians

5-1 (continued)

On November 2, 2017, the District scheduled an in-person meeting with the Gabrieleno Band of Mission Indians and was provided a 1937 LA County Kirkman-Harriman Pictorial and Historical Map by Andrew Salas, Chairman of the Gabrieleno Band of Mission Indians – Kizh Nation. This map illustrates potential trade routes and village sites in Southern California.

From: Ben Peralta
Sent: Wednesday, November 29, 2017 8:52 AM
To: 'Matthew Teutimez' <[mailto:matt.teutimez@gmail.com]>
Cc: Mario Garcia <[mailto:mgarcia@TVMWD.com]>; Kevin Lohan <[mailto:klohan@stantec.com]>; Andy Teutimez-Salas <[mailto:gabrielenoindians@yahoo.com]>; Vivian Martinez <[mailto:VNM-NSN.US]>; Steve Kennedy <[mailto:skennedy@bmklawpc.com]>
Subject: RE: AB52 Consultation request for the New Groundwater Production Well Located Grand Ave well & Pipeline

Mr. Teutimez,

We have revised Section 3.5 Cultural Resources of the Draft IS/MND as shown on the attached pdf file.

Thank you very much for providing your feedback.

Best Regards,

Ben Peralta Jr., P.E.
 Project Manager
 Three Valleys Municipal Water District
 (909) 621-5568 Ext. 109

From: Matthew Teutimez [mailto:matt.teutimez@gmail.com]
Sent: Tuesday, November 07, 2017 2:21 PM
To: Ben Peralta <[mailto:bperalta@tvmwd.com]>
Cc: Mario Garcia <[mailto:mgarcia@TVMWD.com]>; Kevin Lohan <[mailto:klohan@stantec.com]>; Andy Teutimez-Salas <[mailto:gabrielenoindians@yahoo.com]>; Vivian Martinez <[mailto:VNM-NSN.US]>
Subject: Fwd: AB52 Consultation request for the New Groundwater Production Well Located Grand Ave well & Pipeline

Mr. Peralta,

Thank you for the follow up email. As discussed in the consultation we would like you to revise your determination in Section 3.5 Cultural Resources of the IS/MND from "less than significant impact" to "Less than significant impact with mitigation incorporated". I am attaching mitigation language to include in the text that occurs below the Table of check boxes. The reasoning for a determination of mitigation (please refer to 1938 LA County map & oral history) is due to your project site located within and around known Tribal Cultural Features (i.e. trade routes and village sites) that result in a higher probability to encounter Tribal Cultural Resources within the soil layers of your project area. This substantial information was provided to you in the consultation (defined in the Governor's Office of Planning and Research, Technical Advisory AB 52 and Tribal Cultural Resources in CEQA, June 2017; online source: <http://www.cpuc.ca.gov/uploadedFiles/CPUCWebsite/Content/MeetingEventsInformation/17/RevisedAB52TechAdvisory032017.pdf>)

Once this section has been revised, please send us the revision for review. We thank you for your time in this matter.

Best,

Matt

Letter 5 – Gabrieleno Band of Mission Indians

5-1 (continued)

The District appreciates the comments received by the Gabrieleno Band of Mission Indians and meeting Mr. Andrew Salas, Chairman of the Gabrieleno Band of Mission Indians – Kizh Nation. The following is the District's email correspondence with the Kizh Nation.

From: Ben Peralta <pperalta@vmwd.com>
Date: November 7, 2017 at 8:27:12 AM PST
To: Gabrieleno Band of Mission Indians <gabrielenoindians@yahoo.com>
Cc: "Kohan, Kevin" <Kevin.Kohan@starkec.com>, Mario Garcia <mgarcia@VMWD.com>
Subject: RE: ABS2 Consultation request for the New Groundwater Production Well Located Grand Ave well & Pipeline

Andrew,

It was nice meeting with you, Matt, and Dr. Stickel to discuss this.

I wanted to follow up to get an idea of when you anticipate providing any written comments to the CEQA document (i.e. the IS&MND). The sooner you can provide written comments (if any) that would be appreciated.

Thank you,

Ben Peralta Jr., P.E.
 Project Manager
 Three Valleys Municipal Water District
 (909) 621-5565 Ext. 109

From: Gabrieleno Band of Mission Indians [<mailto:gabrielenoindians@yahoo.com>]
Sent: Thursday, November 02, 2017 1:32 PM
To: Ben Peralta <pperalta@vmwd.com>
Cc: Kohan, Kevin <Kevin.Kohan@starkec.com>
Subject: Re: ABS2 Consultation request for the New Groundwater Production Well Located Grand Ave well & Pipeline

Attached is the 1938 LA County Map

Sincerely,

Andrew Salas, Chairman
 Gabrieleno Band of Mission Indians - Kizh Nation
 PO Box 393
 Covina, CA 91723
 Office: [644-390-0787](tel:644-390-0787)
 Cell: [626-926-4131](tel:626-926-4131)
 Email: gabrielenoindians@yahoo.com
 website: www.gabrielenoindians.org

On Wednesday, October 25, 2017 3:52 PM, Ben Peralta <pperalta@vmwd.com> wrote:

Mr. Andrew Salas, Chairman
 Gabrieleno Band of Mission Indians - Kizh Nation

I received the attached letter and would like to schedule a consultation appointment for next Wednesday (November 1, 2017) at either 10:30 am or 1:00 pm.

Best Regards,

Ben Peralta Jr., P.E.
 Project Manager

Letter 5 – Gabrieleno Band of Mission Indians

5-1 (continued)

The District appreciates the comments received by the Gabrieleno Band of Mission Indians and meeting Mr. Andrew Salas, Chairman of the Gabrieleno Band of Mission Indians – Kizh Nation. The following is the District’s email correspondence with the Kizh Nation.

Exhibit 1

Existing Lighting Near Proposed Well -
One Street Light and Two Lights in Parking Lot (south facing)



Exhibit 2

Existing Lighting Near Proposed Well -
Two Lights in Parking Lot (south facing)



Exhibit 3



Exhibit 4



Exhibit 5



Exhibit 6



Exhibit 7





Staff Report/Memorandum

To: TVMWD Board of Directors

From: Richard W. Hansen, General Manager

Date: December 6, 2017

Subject: Adopt Resolution No. 17-12-813 to Approve Initial Study/Mitigated Negative Declaration and CEQA for TVMWD Grand Avenue Groundwater Well, Project No. 58446

<input checked="" type="checkbox"/> For Action	<input type="checkbox"/> Fiscal Impact	<input type="checkbox"/> Funds Budgeted
<input type="checkbox"/> Information Only	<input type="checkbox"/> Cost Estimate	\$

Requested Action:

Adopt Resolution No. 17-12-813 to approve the Initial Study/Mitigated Negative Declaration (IS/MND) and CEQA documentation for the TVMWD Grand Avenue Well pending outcome of the Public Hearing.

Discussion:

During the regular Board meeting of November 1, 2017, Staff provided an update on the status of TVMWD's planning, design, and environmental review of the proposed groundwater well on TVMWD property located at the southeast end of the cul-de-sac on Grand Avenue (south of Baseline Road) in the city of Claremont.

In accordance with the California Environmental Quality Act and the Guidelines promulgated thereunder, TVMWD has prepared and circulated a draft Initial Study/Mitigated Negative Declaration (IS-MND) for the proposed project.

TVMWD prepared and published public notification(s) for this project pursuant to Government Code Section 6061 in newspapers of general circulation: Inland Valley Daily Bulletin and San Gabriel Valley Tribune. The Notice of Availability and Notice of Intent to Adopt an Initial Study-Mitigated Negative Declaration was published on October 23, 2017, and included information regarding the public comment period that ended on November 22, 2017, and the proposed Public Hearing scheduled during today's Board meeting. A separate Public Hearing notice was also published on December 1, 2017.

To date, TVMWD has received written comments on the draft IS/MND that staff believes have been adequately addressed in writing (see attached documents). Staff recommends Board approval to adopt the Draft IS/MND and related CEQA documentation pending the outcome of the public hearing.

Strategic Plan Objective:

- 1.3 – Maintain diverse sources of water supplies and storage, and increase water storage supplies to 10,000 AF
- 2.2 – Utilize 20,000 AF of Miramar treatment plant production to meet annual demands
- 2.3 – Manage water infrastructure and staff operations to minimize costs

To date, TVMWD has received several written comments on the draft IS/MND that staff believes have been adequately addressed in writing (see attached documents) and do not require additional time to consider. Staff recommends Board approval to adopt the Draft IS/MND and related CEQA documentation pending the outcome of the public hearing.

Strategic Plan Objective:

- 1.3 – Maintain diverse sources of water supplies and storage, and increase water storage supplies to 10,000 AF
- 2.2 – Utilize 20,000 AF of Miramar treatment plant production to meet annual demands
- 2.3 – Manage water infrastructure and staff operations to minimize costs

RESOLUTION NO. 17-12-813

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE THREE VALLEYS MUNICIPAL WATER DISTRICT
ADOPTING A MITIGATED NEGATIVE DECLARATION
FOR THE GRAND AVENUE GROUNDWATER PRODUCTION WELL
PROJECT NO. 58446**

WHEREAS, the Three Valleys Municipal Water District (“District”) is a Municipal Water District located in the County of Los Angeles and organized and operating pursuant to California Water Code Section 71000 et seq.;

WHEREAS, in implementing the statutory functions of a Municipal Water District, the District seeks to improve its service obligations, including the management and storage of local groundwater in the Claremont and Pomona areas of the District;

WHEREAS, in furtherance of said goals, the District has considered the construction and operation of a groundwater production well located south of Baseline Road at the southeast end of the cul-de-sac on Grand Avenue, in the city of Claremont, as described in the Initial Study attached hereto and incorporated herein (“the Project”);

WHEREAS, the District is subject to the requirements of the California Environmental Quality Act (“CEQA”), Public Resources Code (“PRC”) Section 21000 et seq., and the state Guidelines promulgated thereunder, California Code of Regulations (“CCR”) Section 15000 et seq., which Guidelines have been incorporated into the District’s Local CEQA Guidelines by operation of Resolution No. 07-06-554, since the District qualifies as a “local agency” within the meaning of PRC Section 21062 and CCR Section 15368;

WHEREAS, the Project is a “project” within the purview of CEQA and its Guidelines pursuant to PRC Section 21065 and CCR Section 15378;

WHEREAS, the District is the appropriate “lead agency” under PRC Section 21067 and CCR Section 15367 for making determinations under CEQA and the Guidelines with respect to the potential impact, if any, of the Project on the environment;

WHEREAS, the District caused the preparation of the attached Initial Study for the Project pursuant to CCR Section 15063 which determined that a Mitigated Negative Declaration within the meaning of PRC Sections 21064.5 and 21080(c)(2) and CCR Sections 15369.5 and 15070(b) would adequately address any potential effects of the Project on the environment;

WHEREAS, the District provided public notice and a public review period of not less than thirty (30) days for the Initial Study and the proposed Mitigated Negative Declaration in accordance with CCR Sections 15072 and 15073, and held a public hearing on the proposed Mitigated Negative Declaration on December 6, 2017; and

WHEREAS, the District's Board of Directors has considered the Initial Study, the proposed Mitigated Negative Declaration, all written comments thereto received during the public review process, all written and oral comments thereto received during the public hearing process, and all written and oral responses to said comments.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Three Valleys Municipal Water District of Los Angeles County that, pursuant to PRC Section 21080(c) and CCR Section 15074(b), on the basis of the whole of the record before the District's Board of Directors (including the Initial Study and any comments received), there is no substantial evidence that the Project will have a significant effect on the environment if the mitigation measures contained in the Mitigated Negative Declaration attached hereto and incorporated herein are incorporated into the Project, and said Mitigated Negative Declaration reflects the District's independent judgment and analysis.

BE IT FURTHER RESOLVED that the District's Board of Directors hereby adopts the attached Mitigated Negative Declaration for the Project, and adopts the program for reporting on or monitoring the Project's mitigation measures contained therein as required by CCR Section 15074(d), and hereby approves the Project.

BE IT FURTHER RESOLVED that the District's General Manager is hereby authorized and directed to file with the County Clerk of Los Angeles County a Notice of Determination pursuant to PRC Section 21152(a) and CCR Section 15075 consistent with this Resolution within five working days after the adoption of this Resolution.

BE IT FURTHER RESOLVED that the custodian of the documents or other materials which constitute the record of proceedings upon which the District's decision is based shall be the District's General Manager, and the location of said records shall be the District's headquarters located at 1021 East Miramar Avenue, Claremont, California.

ADOPTED, this 6th day of December 2017.

AYES:
NOES:
ABSTAIN:
ABSENT:

Bob G. Kuhn, President
Board of Directors

ATTEST:

Brian Bowcock, Secretary
Board of Directors

SEAL

Notice of Determination

Appendix D

To:

Office of Planning and Research
U.S. Mail: Street Address:
 P.O. Box 3044 1400 Tenth St., Rm 113
 Sacramento, CA 95812-3044 Sacramento, CA 95814

County Clerk
 County of: Los Angeles
 Address: 12400 Imperial Highway
Norwalk, CA 90650

From:

Public Agency: Three Valleys Municipal Water District
 Address: 1021 E. Miramar Avenue
Claremont, CA 91711
 Contact: Ben Peralta
 Phone: 909-621-5568

Lead Agency (if different from above): _____
 Address: _____
 Contact: _____
 Phone: _____

SUBJECT: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

State Clearinghouse Number (if submitted to State Clearinghouse): _____

Project Title: Proposed Groundwater Production Well No. 4 & Pipeline

Project Applicant: Three Valleys Municipal Water District

Project Location (include county): Grand Avenue and Padua Avenue, Claremont, California

Project Description:

The Project is located on property owned by TVMWD, and involves constructing a new production well and associated pipeline within the City of Claremont in order to increase TVMWD's capability to extract groundwater. The Project would pump groundwater from the Upper Claremont Heights Basin and would discharge it into an 8-inch diameter untreated water main that would be routed along Grand Avenue and Baseline Road to its intersection with Padua Avenue. A 12-inch diameter pipe would be proposed from this intersection to the Miramar Treatment Plant, for a total of 6,100 linear feet of ductile iron pipe.

This is to advise that the Three Valleys Municipal Water District has approved the above
 Lead Agency or Responsible Agency)

described project on December 6, 2017 and has made the following determinations regarding the above
 (date)
 described project.

1. The project [will will not] have a significant effect on the environment.
2. An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
 A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures [were were not] made a condition of the approval of the project.
4. A mitigation reporting or monitoring plan [was was not] adopted for this project.
5. A statement of Overriding Considerations [was was not] adopted for this project.
6. Findings [were were not] made pursuant to the provisions of CEQA.

This is to certify that the final EIR with comments and responses and record of project approval, or the negative Declaration, is available to the General Public at:

Three Valleys Municipal Water District, 1021 E. Miramar Avenue, Claremont, CA 91711

Signature (Public Agency): _____ Title: _____

Date: _____ Date Received for filing at OPR: _____

MINUTES
REGULAR BOARD OF DIRECTORS MEETING
THREE VALLEYS MUNICIPAL WATER DISTRICT

Wednesday, November 1, 2017
8:00 a.m.

1. Call to Order

The Board of Directors meeting of Three Valleys Municipal Water District (TVMWD) was called to order at 8:00 a.m. at the TVMWD office located at 1021 East Miramar Avenue, Claremont, California. The presiding officer was President Bob Kuhn.

2. Pledge of Allegiance

The flag salute was led by President Bob Kuhn.

3. Roll Call

Roll call was taken with a quorum of the board present. Director Mendoza had an excused absence. Director Goytia was absent from the roll call.

Directors Present

Bob Kuhn, President
David De Jesus, Vice President
Brian Bowcock, Secretary
Joseph Ruzicka, Treasurer
Dan Horan, Director
Carlos Goytia, Director

Directors Absent

John Mendoza, Director (excused)

Staff Present

Rick Hansen, General Manager
Steve Kennedy, Legal Counsel
Liz Cohn, Senior Financial Analyst
Vicki Hahn, District Clerk/Executive Assistant
Mario Garcia, Manager of Engineering & Planning
Kirk Howie, Assistant GM-Administration
Steve Lang, Water Operations Manager
James Linthicum, Chief Finance Officer
Ben Peralta, Project Engineer

Guests and others present: Kathy Cole, MWD; Paul DiMaggio, Suburban Water Systems; Mike Holmes, Walnut Valley Water District; Maria Elena Kennedy, Kennedy Communications; Ben Lewis, Golden State Water Company; Director Tony Lima, Rowland Water District; Darron Poulsen, City of Pomona; Dave Warren, Rowland Water District

4. Additions to Agenda

President Kuhn inquired if there was a need to add items to the agenda. Staff did not have a need to add items to the agenda.

5. Reorder Agenda

President Kuhn inquired if there was a need to reorder the agenda. Staff did not have a need to reorder the agenda.

Director Goytia joined meeting at 8:03 a.m.

6. Public Comment

President Kuhn called for any public comment. There were no requests for public comment.

7. Presentation – Kathy Cole, Legislative Advocate – Metropolitan Water District

Ms. Cole presented the Board a recap the recently concluded year one of the 2017-2018 legislative session, and forecasts for year two of the session that will begin on January 3, 2018. Several bills that passed or failed this last legislative session that will, or may have had an impact on the industry were highlighted. A full copy of the presentation is available upon request.

8. General Manager's Report

8.A – Administration

8.A.1 Resolution No. 17-11-DRAFT Surplus Property

The Board was provided a review of the procedure TVMWD utilizes to surplus District property in accordance with Resolution No. 04-11-488, that was adopted by the Board in November 2004. Staff reviewed Exhibit A, that included several items of limited value, along with two higher valued electric carts TVMWD will surplus. Staff was directed to return this item to the next meeting for action.

8.A.2 LAFCO Nomination of Alternate Member – Special Districts

The Board was provided a copy of the materials to place a candidate in nomination to serve as the Alternate Member – Special Districts, for the Los Angeles Area Formation Commission of Los Angeles (LAFCO). TVMWD Director, Joe Ruzicka has served in this capacity since 2014 when he filled the seat to complete the unexpired term of Commissioner Lillian Kawasaki. The current term will expire in May 2018. Director Ruzicka has expressed interest in continuing to serve as the Alternate Member – Special Districts and is seeking the TVMWD Board support to do so. Staff was directed to return this item to the next meeting for action.

8.A.3 Mileage Reporting Standardization

The Board was provided with a draft template of designated mileage, to be used to report eligible mileage reimbursement in accordance with IRS mileage standards to various venues they travel to for District business. President Kuhn acknowledged Executive Assistant, Vicki Hahn for a thorough job in preparing this tool. He further commented that this is just one more way that TVMWD is ahead of the curve in illustrating its efforts toward transparency. Mr. Hansen informed that staff went back several years to determine the venues to include on the template, and that we recognize that the template will not be all inclusive.

Staff utilized www.googlemaps.com to come up with the mileage; utilizing the shortest distance from the Director's home to the venue, with numbers rounded to the nearest whole number for round trip travel. Directors were encouraged to use the template, and that if there are variables, that they be noted on the expense report. It was suggested that any significant variances be reported to staff, so they can be corrected on the template.

8.B – Engineering and Operations

8.B.1 Project Summary Update

The Board was provided with an update of ongoing projects at the District including a photographic presentation of progress. The full report was included as part of the agenda packet and is available upon request.

9. Closed Session

The Board convened to closed session at 9:18 a.m. to review one item as follows:

9.A Public Employee Performance Evaluation *(pursuant to Government Code Section 59457) – Title: General Manager*

10. Report Out of Closed Session

The Board reconvened to regular session at 10:00 a.m. The Board was briefed on the referenced matter in closed session; there was no reportable action pursuant to the Brown Act.

11. Future Agenda Items

There were no requests for future agenda items. Items requested for action during today's meeting will be returned on the next agenda.

12. Adjournment

The Board adjourned at 10:01 a.m. to its next regular meeting scheduled for Wednesday, November 15, 2017 at 8:00 a.m.

/s/ Bob Kuhn
President, Board of Directors
Three Valleys Municipal Water District

Recorded by: Victoria A. Hahn,
District Clerk/Executive Assistant

**MINUTES
REGULAR BOARD OF DIRECTORS MEETING
THREE VALLEYS MUNICIPAL WATER DISTRICT**

**Wednesday, November 15, 2017
8:00 a.m.**

1. Call to Order

The Board of Directors meeting of Three Valleys Municipal Water District (TVMWD) was called to order at 8:00 a.m. at the TVMWD office located at 1021 East Miramar Avenue, Claremont, California. The presiding officer was President Bob Kuhn.

2. Pledge of Allegiance

The flag salute was led by President Bob Kuhn.

3. Roll Call

Roll call was taken with a quorum of board present.

Directors Present

Bob Kuhn, President
David De Jesus, Vice President
Brian Bowcock, Secretary
Dan Horan, Director
Carlos Goytia, Director
John Mendoza, Director

Staff Present

Rick Hansen, General Manager
Steve Kennedy, Legal Counsel
Dominique Aguiar, Water Operations Supervisor
Liz Cohn, Senior Financial Analyst
Vicki Hahn, District Clerk/Executive Assistant
Steve Lang, Water Operations Manager
James Linthicum, Chief Finance Officer
Ben Peralta, Project Engineer

Directors Absent

Joseph Ruzicka, Treasurer (excused)

Guests and others present: Tom Coleman, Rowland Water District; Paul DiMaggio, Suburban Water Systems; Director Ted Ebenkamp, Walnut Valley Water District; Maria Elena Kennedy, Kennedy Communications; Erik Hitchman, Walnut Valley Water District; Ben Lewis, Golden State Water Company; Director Tony Lima, Rowland Water District; Director Szu Pei Lu-Yang, Rowland Water District; Dean McHenry, League of Women Voters; Darron Poulsen, City of Pomona; Brian Teuber, Walnut Valley Water District; Dave Warren, Rowland Water District;

4. Additions to Agenda

President Kuhn inquired if there was a need to add items to the agenda. Staff did not have a need to add items to the agenda.

5. Reorder Agenda

President Kuhn inquired if there was a need to reorder the agenda. Staff did not have a need to reorder the agenda.

6. Public Comment

President Kuhn called for any public comment. There were no requests for public comment.

7. Consent Calendar

The Board was asked to consider the Consent Calendar Items (7.1-7.6) for the November 15, 2017 Board meeting that included: (7.1) Receive, approve and file, October 2017 Minutes for October 4, 2017 and October 18, 2017 Regular Board Meetings; (7.2) Approve October 2017 Financial Reports; (7.3) Approve Resolution No. 17-11-812 Surplus Property; (7.4) Approve Nomination of LAFCO Alternate Member for Special Districts, Joe Ruzicka; (7.5) Approve Mileage Reporting Standardization Guidelines; (7.6) Receive and file FY 17-18 First Quarter Reserve Update.

Upon motion and second the floor was opened for discussion. There being no discussion, President Kuhn called for the vote.

Moved: Goytia; Second: Horan
Motion No. 17-11-5155 – Approving Consent Calendar Items 7.1 – 7.6 for November 15, 2017. The motion passed with a 6-0 majority vote; Director Ruzicka had an excused absence.

8. General Manager's Report

8.A – Administration

8.A.1 Approve Director Expense Reports, October 2017

The Board was asked to approve the October 2017 expense reports. Upon motion and second the floor was opened for discussion. There being no discussion President Kuhn called for the vote.

Moved: Goytia; Second: Horan
Motion No. 17-11-5156 – Approving payment of October 2017 Director Expense Reports. The motion passed with a 6-0 majority vote; Director Ruzicka had an excused absence.

8.B – Engineering and Operations

8.B.1 Calendar Year Imported Water Purchases through October 2017

General Manager Rick Hansen provided the Board with an update of imported water deliveries through October 2017.

A total of 48,408/AF of Tier 1 water has been delivered to date. It is anticipated that at the end of CY-2017 a total of 15,000-20,000/AF of TVMWD's Tier 1 allocation will remain. Staff is continuing to work with MWD and the member agencies to evaluate maximum storage opportunities while maintaining a prudent fiscal position. TVMWD typically will not store greater than an approximation of a five-year demand.

Staff is evaluating opportunities with the Main San Gabriel Basin Watermaster for their replenishment water requirements and ability to store water.

8.B.2 Miramar Operations Report October 2017

Water quality continues to meet all state requirements with no violations during the month. Water Operations Manager Steve Lang informed staff is continuing to monitor reports on the quagga muscles. It will not impact water delivered from the

Miramar Treatment Plant. Total Trihalomethanes (TTHM) continue to trend at a historic low; staff continues to monitor.

Total plant production for the month was 1,214.9/AF, approximately 66% of capacity. For the third consecutive month groundwater wells 1 and 2 delivered greater than the prior year for a total of 111.9/AF compared to 86.3/AF in the prior year. The wells are continuing to benefit from prior year precipitation and spreading of approximately 1,000/AF. Year-to-date sales were a combined total of 6,975.7/AF, approximately 87% of budget. Miramar Hydros 2 and 3 are producing energy with year-to-date results of approximately 50% and 88% of budget respectively.

Mr. Lang reviewed special activities/outages and outreach which included:

- Safety review with inspector from Joint Powers Insurance Authority (JPIA).
- Participation in the Great California Shake Out earthquake drill.
- Mechanical repairs to Fulton Hydro.
- Southern California Edison issued a permission to operate notice for the Fulton/Williams Hydros.
- A new actuator was installed at Covina Irrigating Company connection.
- A new shift operator, Wade Burroughs, started earlier last month. He came to TVMWD from the City of La Verne.
- Quarterly inspection of hoist and cranes was completed.
- One planned outage at the Emerald connection and Live Oak Spreading Grounds occurred to permit SCE to make improvements to their system.
- Staff completed training on basic electrical troubleshooting, microbiologic training and human resources.

The complete report is available upon request.

Discussion ensued regarding the regional coordination of emergency operations. Staff provided a summary of TVMWD protocols in the event of an emergency. Mr. Tom Coleman, Rowland Water District provided an update on efforts being coordinated through the Public Water Agencies Group (PWAG) to hire an Emergency Operations Coordinator. By request, Mr. Lang provided an update on TVMWD's participation on emergency operations at a regional level.

9. Directors' /General Manager Oral Reports

9.A Local Agency Formation Commission – Director Ruzicka is at the LAFCO meeting today.

9.B PWR-Joint Water Line Commission – Director Horan reported the meeting was held on October 19, 2017. The meeting included regular proforma business, along with the approval for FY 16-17 audit and CY 18 meeting schedule.

9.C Six Basins Watermaster – Director Mendoza reported on the October 25, 2017 meeting. Actions at this meeting included: final review of the draft strategic plan, selection of TVMWD as the lead CEQA agency to prepare and certify the

environmental impact report for the strategic plan, and the establishing a MOU between 6BWM and TVMWD to maintain the monitoring well. At Director Mendoza's request, Mr. Darron Poulsen provided information about 6BWM's request to Three Valleys MWD to contract with a grant consultant to seek out available grant monies available for projects within the 6BWM Spadra Basin. Director Bowcock extended thanks to Director Mendoza for covering the 6BWM Board Meeting.

9.D Main San Gabriel Basin Watermaster – Director Bowcock reported that as of October 22, 2017 the Key Well was at 183.3'.

9.E Chino Basin Watermaster – President Kuhn reported that movement has been achieved in the appeals matter related to the operating safe yield, and that things are progressing positively and advancing toward a consensus.

9.F San Gabriel Basin Water Quality Authority – President Kuhn reported Executive Director Ken Manning is presently in China with a delegation discussing groundwater cleanup issues.

9.G Metropolitan Water District – Director De Jesus reported on the November 14, 2017 Board Meeting. During his board report, MWD Chairman Randy Record informed the Board that a joint SDCWA/MWD leadership meeting has taken place to improve relationships and progressing forward in an amenable manner. Director De Jesus provided an update on the quagga muscles that were identified at USG3. It was noted that due to the water chemistry, and lack of calcium levels in the State Water Project, the quagga muscles have not been able to reach maturity.

9.G Additional Board Member or Staff Reports

Director Mendoza informed that a webinar is scheduled for November 21, 2017 regarding the Waters of the United States. Information is available on the EPA website.

President Kuhn requested on a future agenda that staff provide an overview to improve understanding of the Chandler Investment monthly reports.

Director Goytia informed that he was invited to participate at a Water Replenishment District workshop on safe drinking water and nitrate/VOC cleanup. Ms. Maria Elena Kennedy provided an update on these efforts and progress specific to assistance to disadvantaged communities.

Director Bowcock requested that Mr. Howie provide an update on Los Angeles Community Choice Energy (LACCE), a regional Community Choice Aggregation program for energy in Los Angeles County at a future meeting, and any potential impacts to TVMWD. He commented that he learned about this during a recent city council meeting in the City of Claremont where they were completing their second ordinance reading to participate.

Director Bowcock informed that he participated in a Veteran's Day celebration program at Citrus College. Approximately 400 people participated including

Assembly Member Blanca Rubio and Senator Anthony Portantino and several students and performing arts bands from the local elementary and high schools.

10. Future Agenda Items

- Workshop to review Chandler Investment reports.
- Update on Los Angeles Community Choice Aggregation Program

11. Adjournment

The Board adjourned at 9:00 a.m. to its next regular meeting scheduled for Wednesday, December 6, 2017 at 8:00 a.m.

Today's meeting was adjourned in memory of former MWD Director Frank Forbes.

/s/ Bob Kuhn
President, Board of Directors
Three Valleys Municipal Water District

Recorded by: Victoria A. Hahn,
District Clerk/Executive Assistant



Staff Report/Memorandum

To: TVMWD Board of Directors
From: Richard W. Hansen, General Manager *RH*
Date: December 6, 2017
Subject: Miramar Site Tours

<input type="checkbox"/> For Action	<input type="checkbox"/> Fiscal Impact	<input type="checkbox"/> Funds Budgeted
<input checked="" type="checkbox"/> Information Only	<input type="checkbox"/> Cost Estimate:	\$

Discussion:

The Board will be provided a report outlining the various tours conducted at the Miramar Treatment Plant during CY 2017.

Strategic Plan Objective(s):

3.3 – Be accountable and transparent with major decisions

2017			
	DATE	AGENCY / SCHOOL	# OF PARTICIPANTS
1	01/13/17	La Fetra Elementary	70
2	01/25/17	Holy Mary School Tour	47
3	01/27/17	La Fetra Elementary	69
4	03/10/17	Vista Del Valle Elementary	45
5	03/16/17	Webb School	13
6	03/17/17	Webb School	10
7	03/21/17	University of La Verne (Slackey) 2 groups	45
8	04/08/17	Young Legislature's Group (C. Holden)	12
9	04/18/17	Killian Elementary School	40
10	04/25/17	Vejar Elementary School	40
11	05/02/17	Walnut Elementary School	36
12	05/02/17	Citrus Collge	50
13	05/22/17	Sutherland Elementary School	50
14	06/01/17	Phillippe Schneider	3
15	06/07/17	Reach DVL Tour (Coach King)	20
16	07/13/17	Leroy Haynes Tour	15
17	07/14/17	Suzanne Middleshcool	25
18	07/19/17	CalPoly Tour (Engineering Water Class)	40
19	09/25/17	Harvey Mudd College	6
20	10/06/17	Ganesha HS/CTECH (Coach King)	15
21	10/26/17	Hilda Solis Representatives	3
22	11/13/17	Cal Poly Pomona (Palomo)	60
23	11/17/17	Sellers Elementary	53
24	11/20/17	Chinese Ministry	7
25	12/01/17	Selllers Elementary	41
26	12/07/17	Western Christian (Dom)	40
27			
28			
29			
30			
31			
32		Total Participants	855
33			
34		Pending Tours	
35			
36			
37			
38			
39			
40			



Staff Report/Memorandum

To: TVMWD Board of Directors
From: Richard W. Hansen, General Manager *RH*
Date: December 6, 2017
Subject: Resolution No. 17-12-814 Recognizing General Manager of Western Municipal Water District, John Rossi on His Retirement

<input checked="" type="checkbox"/> For Action	<input type="checkbox"/> Fiscal Impact	<input type="checkbox"/> Funds Budgeted
<input type="checkbox"/> Information Only	<input type="checkbox"/> Cost Estimate:	\$

Requested Action:

The Board will consider approval of Resolution No. 17-12-814

Discussion:

Attached for the Board's review and approval is a resolution honoring Western Municipal Water District's General Manager, John Rossi upon his retirement.

Mr. Rossi has worked in the water industry for many years, and served on many public boards for more than 30 years. He is retiring from his position of General Manager in December 2017, after 13 years. Staff would like to recognize his contributions by presenting him with a resolution at his retirement event on December 15, 2017.

Strategic Plan Objective(s):

3.3 – Be accountable and transparent with major decisions

RESOLUTION NO. 17-12-814

**A RESOLUTION OF THE BOARD OF DIRECTORS OF
THREE VALLEYS MUNICIPAL WATER DISTRICT
HONORING JOHN V. ROSSI
FOR HIS MANY YEARS OF PROFESSIONAL SERVICE TO THE WATER INDUSTRY**

WHEREAS, JOHN ROSSI has served as the General Manager of Western Municipal Water District for 13 years, and

WHEREAS, he served as the court-appointed Watermaster for the Santa Ana River Watershed and Western judgments, and

WHEREAS, he has served on numerous boards, including; California Municipal Utilities Association Board of Governors, the Urban Water Institute, the University of California Riverside's Water Science & Policy Center's Advisory Board, and the California Baptist University Board of Visitors, and

WHEREAS, Mr. Rossi is a member of the Association of California Water Agencies Water Management Committee, and

WHEREAS, served as an elected member of the Board of Directors for the Rancho California Water District in Temecula, as well as the board for the Association of California Water Agencies, the Chino Basin Watermaster Board and the WaterReuse Association Board, and

WHEREAS, he was a founding member and President of the California Utility Executives Management Association, and;

WHEREAS, during his tenure **Mr. Rossi** was recognized by the Association of California Water Agencies with the *Excellence in Water Leadership Award* for his long history of leadership in the water industry; problem-solving and contributions to California water policy.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Three Valleys Municipal Water District as follows:

1. Full measure of appreciation is hereby expressed and acknowledged for the services rendered to the water industry, both locally and nationally by **JOHN ROSSI** during his long and effective career, and;
2. Public attention is hereby called and directed to the exemplary professional services rendered by Mr. Rossi, and;

3. This Resolution shall be maintained in the permanent records of the Three Valleys Municipal Water District in recognition of Mr. Rossi's professional and outstanding performance of duty to the water industry.

ADOPTED, this 6th day of December 2017.

AYES:
NOES:
ABSTAIN:
ABSENT:

Bob G. Kuhn, President
Board of Directors

ATTEST

Brian Bowcock, Secretary

SEAL



Staff Report/Memorandum

To: TVMWD Board of Directors

From: Richard W. Hansen, General Manager *RH*

Date: December 6, 2017

Subject: Approval of Resolution No. 17-12-815 for County Sanitation District Tax Sharing Resolution: Annexation No. 21-757

<input checked="" type="checkbox"/> For Action	<input type="checkbox"/> Fiscal Impact	<input type="checkbox"/> Funds Budgeted
<input type="checkbox"/> Information Only	<input type="checkbox"/> Cost Estimate:	\$

Requested Action:

That the Board will approve,

1. Three Valleys Municipal Water Resolution Number 17-12-815 for County Sanitation District Tax Sharing Resolution Annexation No. 21-757; and
2. Direct staff to return the documents back to the County Sanitation District of Los Angeles County with proper documentation.

Alternative Action:

The Three Valleys Board may deny the request, upon which the Sanitation District will make this request to the County Board of Supervisors for a final determination.

Discussion:

The applicants for projects have requested annexation of their respective properties to the County Sanitation District to receive off-site sewage disposal. The annexation process requires that a resolution for property tax revenue exchange be adopted by all of the affected agencies prior to approval.

Three Valleys will not lose any existing ad valorem tax revenue it currently receives from the affected territories; Three Valleys would give up a portion of the revenue received from future “increased assessed valuation only.”

Listed below is a matrix and description for the pending tax sharing resolutions that require Board approval:

Project No.	TVMWD Current Tax Share	Percent	Adjustments	TVMWD Net Share
<i>The property consists of: One existing single-family home</i>				
21-757	0.004216396	0.4216%	-0.000031375	0.004185021

Upon execution and receipt of the documents, fully conformed copies will be provided back to Three Valleys Municipal Water District.



COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY
RECEIVED

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

NOV 16 2017

GRACE ROBINSON HYDE
Chief Engineer and General Manager

THREE VALLEYS MWD

November 14, 2017

General Annexation File

Mr. Richard Hansen, General Manager
Three Valleys Municipal Water District
1021 E. Miramar Avenue
Claremont, CA 91711

Dear Mr. Hansen:

Tax Sharing Resolutions

Thank you for signing and returning the last joint resolutions that were submitted to your office for tax sharing purposes.

Enclosed, in triplicate, is a Joint Tax Sharing Resolution (resolution) involving your agency and others. The applicant has requested, in writing, annexation of his property into the County Sanitation District No. 21 (District) in order to receive off-site disposal of sewage. Please see the table below for the annexation and its associated project. The annexation process requires that a resolution for property tax revenue exchange be adopted by all the affected local agencies before an annexation may be approved. For any jurisdictional change which will result in a special district providing new service not previously provided to an area, the law requires the governing bodies of all local agencies that receive an apportionment of the property tax from the area to determine by resolution the amount of the annual tax increment to be transferred to the special district (Revenue and Taxation Code Section 99.01). Please note that by sharing the property tax increment with the District resulting from this annexation, your agency will not lose any existing ad valorem tax revenue it currently receives from the affected territory. Your agency would only be giving up a portion of the revenues it would receive on increased assessed valuation.

<u>Annexation No.</u>	<u>Type of Project</u>
21-757	one existing single-family home

Also, attached for the annexation is a copy of the applicable worksheet and map showing the location of the annexation. The worksheet lists the annual tax increment to be exchanged between your agency, other affected taxing entities, and the District. The tax sharing ratios listed in the worksheet were calculated by the County Auditor Controller by specific Tax Rate Area (TRA). For example, if the annexing territory were to lie within two separate TRAs, there would be a worksheet for each TRA. The Los Angeles County Chief Executive Office (CEO) is requiring the District to implement the worksheet for all District annexations in order to increase efficiency for the calculation of property tax sharing ratios.

Mr. Richard Hansen

2

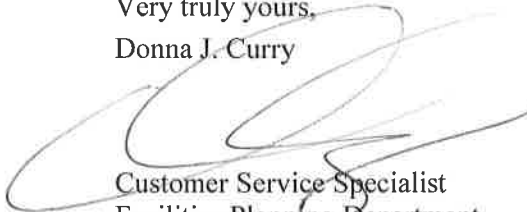
November 14, 2017

The resolution is being distributed to all parties for signature in counterpart. Therefore, you will only be receiving a signature page for your agency. Enclosed are three sets of the resolution. One set of the resolution is for your files and the other two sets of the resolution need to be returned to the District. Please execute the two sets of the resolution and return them to the undersigned within 60 days as required by the Government Code. In addition, the County CEO's legal counsel is also requesting that the signature pages be properly executed from all affected agencies. Therefore, please have the Attest line signed by the appropriate person. Upon completion of the annexation process, your office will receive a fully executed copy of the tax sharing resolution for your files.

Your continued cooperation in this matter is very much appreciated. If you have any questions, please do not hesitate to call me at (562) 908-4288, extension 2708.

Very truly yours,

Donna J. Curry



Customer Service Specialist
Facilities Planning Department

DC:

Enclosures: 21-757

JOINT RESOLUTION OF THE BOARD OF SUPERVISORS OF THE COUNTY OF LOS ANGELES
ACTING IN BEHALF OF

Los Angeles County General Fund

Los Angeles County Library

Los Angeles County Road District #5

Los Angeles County Consolidated Fire Protection District

Los Angeles County Flood Control

THE BOARD OF DIRECTORS OF COUNTY SANITATION DISTRICT NO. 21 OF LOS ANGELES
COUNTY, AND THE GOVERNING BODIES OF

Three Valleys Municipal Water District

APPROVING AND ACCEPTING NEGOTIATED EXCHANGE OF PROPERTY TAX REVENUES
RESULTING FROM ANNEXATION TO COUNTY SANITATION DISTRICT NO. 21.

"ANNEXATION NO. 757"

WHEREAS, pursuant to Section 99 and 99.01 of the Revenue and Taxation Code, prior to the effective date of any jurisdictional change which will result in a special district providing a new service, the governing bodies of all local agencies that receive an apportionment of the property tax from the area must determine the amount of property tax revenues from the annual tax increment to be exchanged between the affected agencies and approve and accept the negotiated exchange of property tax revenues by resolution; and

WHEREAS, the governing bodies of the agencies signatory hereto have made determinations of the amount of property tax revenues from the annual tax increments to be exchanged as a result of the annexation to County Sanitation District No. 21 entitled *Annexation No. 757*;

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. The negotiated exchange of property tax revenues resulting from the annexation of territory to County Sanitation District No. 21 in the annexation entitled *Annexation No. 757* is approved and accepted.

2. For each fiscal year commencing on and after July 1, 2017 or after the effective date of this jurisdictional change, whichever is later, the County Auditor shall transfer to County Sanitation District No. 21 a total of 0.3987182 percent of the annual tax increment attributable to the land area encompassed within *Annexation No. 757* as shown on the attached Worksheet.

3. No additional transfer of property tax revenues shall be made from any other tax agencies to County Sanitation District No. 21 as a result of annexation entitled *Annexation No. 757*.

4. No transfer of property tax increments from properties within a community redevelopment project, which are legally committed to a Community Redevelopment Agency, shall be made during the period that such tax increment is legally committed for repayment of the redevelopment project costs.

5. If at any time after the effective date of this resolution, the calculations used herein to determine initial property tax transfers or the data used to perform those calculations are found to be incorrect thus producing an improper or inaccurate property tax transfer, the property tax transfer shall be recalculated and the corrected transfer shall be implemented for the next fiscal year, and any amounts of property tax received in excess of that which is proper shall be refunded to the appropriate agency.

The foregoing resolution was adopted by the Board of Supervisors of the County of Los Angeles, the Board of Directors of County Sanitation District No. 21 of Los Angeles County, and the governing bodies of Three Valleys Municipal Water District, signatory hereto.

THREE VALLEYS MUNICIPAL WATER
DISTRICT

SIGNATURE

Bob Kuhn, President
PRINT NAME AND TITLE

ATTEST:

Secretary, Brian Bowcock

December 6, 2017
Date

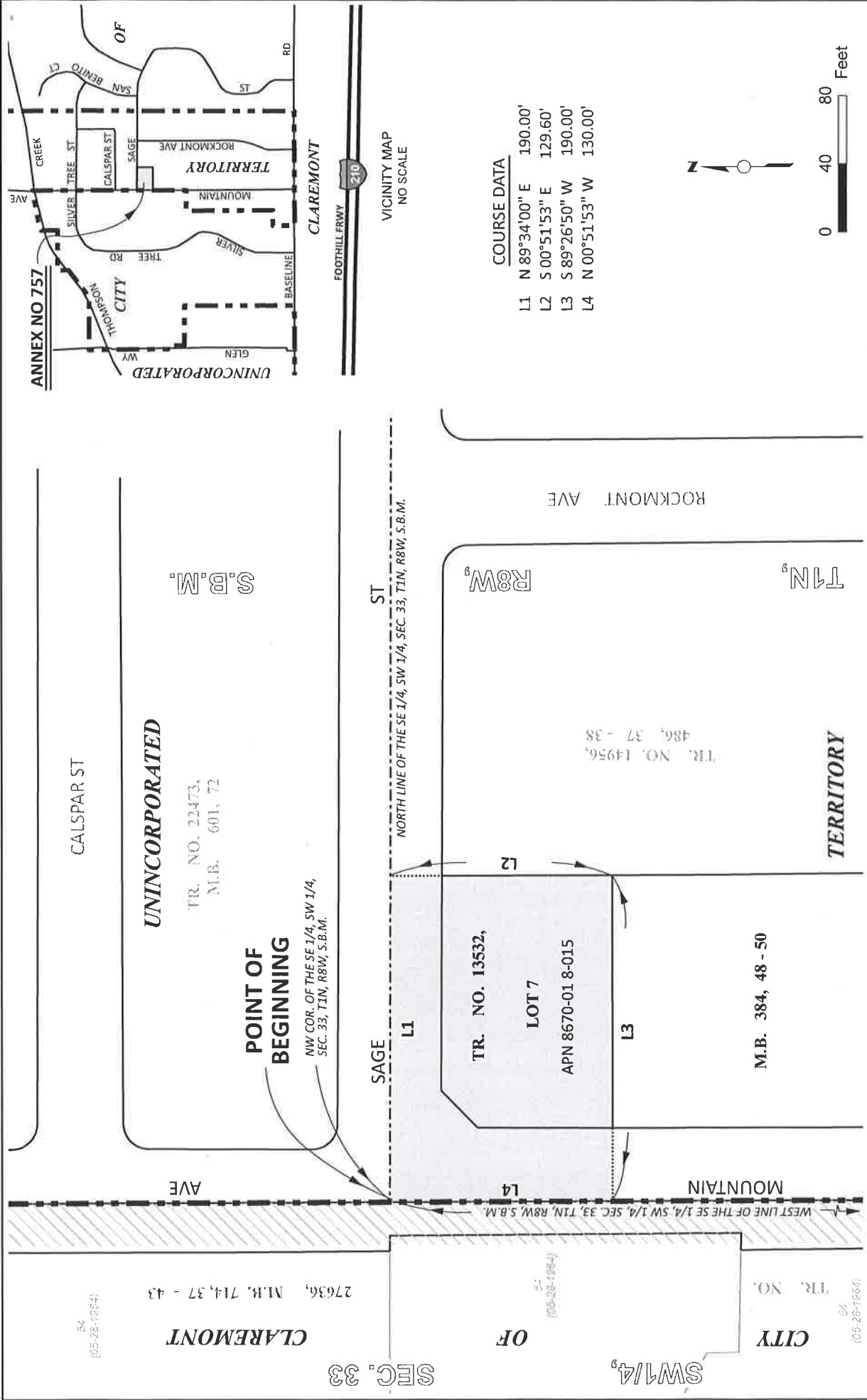
(SIGNED IN COUNTERPART)

ANNEXATION TO: CO.SANITATION DIST.NO 21 DEBT S.
 ACCOUNT NUMBER: 066.80
 TRA: 02760
 EFFECTIVE DATE: 07/01/2017
 ANNEXATION NUMBER: 757
 PROJECT NAME: A-21-757
 DISTRICT SHARE: 0.007441374

ACCOUNT #	TAXING AGENCY	CURRENT TAX SHARE	PERCENT	PROPOSED DIST SHARE	ALLOCATED SHARE	ADJUSTMENTS	NET SHARE
001.05	LOS ANGELES COUNTY GENERAL	0.310991699	31.1001 %	0.007441374	0.002314215	-0.002368200	0.308623499
001.20	L.A. COUNTY ACCUM CAP OUTLAY	0.000112669	0.0112 %	0.007441374	0.000000838	0.000000000	0.000112669
003.01	L A COUNTY LIBRARY	0.023011376	2.3011 %	0.007441374	0.000171236	-0.000171236	0.022840140
005.25	ROAD DIST # 5	0.005767066	0.5767 %	0.007441374	0.000042914	-0.000042914	0.005724152
007.30	CONSOL. FIRE PRO.DIST.OF L.A.CO.	0.173231932	17.3231 %	0.007441374	0.001289083	-0.001289083	0.171942849
007.31	L A C FIRE-FFW	0.007142122	0.7142 %	0.007441374	0.000053147	0.000000000	0.007142122
030.10	L.A.CO.FL.CON.DR.IMP.DIST.MAINT.	0.001702697	0.1702 %	0.007441374	0.000012670	-0.000012670	0.001690027
030.70	LA CO FLOOD CONTROL MAINT	0.009635986	0.9635 %	0.007441374	0.000071704	-0.000071704	0.009564282
365.05	THREE VALLEY MWD ORIG AREA	0.004216396	0.4216 %	0.007441374	0.000031375	-0.000031375	0.004185021
400.00	EDUCATIONAL REV AUGMENTATION FD	0.064960336	6.4960 %	0.007441374	0.000483394	EXEMPT	0.064960336
400.01	EDUCATIONAL AUG FD IMPOUND	0.131877650	13.1877 %	0.007441374	0.000981350	EXEMPT	0.131877650
400.15	COUNTY SCHOOL SERVICES	0.001397266	0.1397 %	0.007441374	0.000010397	EXEMPT	0.001397266
400.21	CHILDREN'S INSTIL TUITION FUND	0.002773092	0.2773 %	0.007441374	0.000020635	EXEMPT	0.002773092
791.04	CITRUS COMMUNITY COLLEGE DIST	0.024524975	2.4524 %	0.007441374	0.000182499	EXEMPT	0.024524975
791.20	CHILDREN'S CTR FUND CITRUS C C	0.000639692	0.0639 %	0.007441374	0.000004760	EXEMPT	0.000639692
842.03	CLAREMONT UNIFIED SCHOOL DIST	0.229184385	22.9184 %	0.007441374	0.001705446	EXEMPT	0.229184385
842.06	CO.SCH.SERV.FD.- CLAREMONT	0.007954782	0.7954 %	0.007441374	0.000059194	EXEMPT	0.007954782
842.07	DEV.CTR.HDCPD.MINOR-CLAREMONT	0.000875879	0.0875 %	0.007441374	0.000006517	EXEMPT	0.000875879
***066.80	CO.SANITATION DIST.NO 21 DEBT S.	0.000000000	0.0000 %	0.007441374	0.000000000	0.000000000	0.003987182

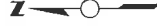
PROPERTY TAX TRANSFER RESOLUTION WORKSHEET
FISCAL YEAR 2016-2017

ACCOUNT #	TAXING AGENCY	CURRENT TAX SHARE	PERCENT	PROPOSED DIST SHARE	ALLOCATED SHARE	ADJUSTMENTS	NET SHARE
TOTAL: 1.000000000 100.0000 % 0.007441374 -0.003987182 1.00000000000							



COURSE DATA

L1	N 89°34'00" E	190.00'
L2	S 00°51'53" E	129.60'
L3	S 89°26'50" W	190.00'
L4	N 00°51'53" W	130.00'



Item 9.4

COUNTY SANITATION DISTRICT NO. 21
 OF LOS ANGELES COUNTY, CA
 OFFICE OF CHIEF ENGINEER
 SPACE ROBINSON HYDE
 CHIEF ENGINEER & GENERAL MANAGER

ANNEXATION NO. 757
 TO
 COUNTY SANITATION DISTRICT NO. 21

Recorded:

Annexation No. 757 shown thus
 Boundary of Sanitation District No. 21 prior to Annexation No. 757 shown thus
 City Boundary
 Prior Annexations shown thus
 Area of Annexation **0.566 Acres**

ANNEX. NO. (RECORDING DATE)

PROPOSED

LA County Assessor Landbase,
 CAMS Centerline, DPW City boundary
 LA County Sanitation Districts:
 Annexation_Layer and District Layer



Staff Report/Memorandum

To: TVMWD Board of Directors
From: Richard W. Hansen, General Manager *RH*
Date: December 6, 2017
Subject: Approval of Resolution No. 17-12-816 for County Sanitation District Tax Sharing Resolution: Annexation No. 22-428

<input checked="" type="checkbox"/> For Action	<input type="checkbox"/> Fiscal Impact	<input type="checkbox"/> Funds Budgeted
<input type="checkbox"/> Information Only	<input type="checkbox"/> Cost Estimate:	\$

Requested Action:

That the Board will approve,

1. Three Valleys Municipal Water Resolution Number 17-12-816 for County Sanitation District Tax Sharing Resolution Annexation No. 22-428; and
2. Direct staff to return the documents back to the County Sanitation District of Los Angeles County with proper documentation.

Alternative Action:

The Three Valleys Board may deny the request, upon which the Sanitation District will make this request to the County Board of Supervisors for a final determination.

Discussion:

The applicants for projects have requested annexation of their respective properties to the County Sanitation District to receive off-site sewage disposal. The annexation process requires that a resolution for property tax revenue exchange be adopted by all of the affected agencies prior to approval.

Three Valleys will not lose any existing ad valorem tax revenue it currently receives from the affected territories; Three Valleys would give up a portion of the revenue received from future “increased assessed valuation only.”

Listed below is a matrix and description for the pending tax sharing resolutions that require Board approval:

Project No.	TVMWD Current Tax Share	Percent	Adjustments	TVMWD Net Share
<i>The property consists of: One existing single-family home</i>				
22-428	0.005282271	0.5282%	-0.000047095	0.005235176

Upon execution and receipt of the documents, fully conformed copies will be provided back to Three Valleys Municipal Water District.



COUNTY SANITATION DISTRICTS
OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
Telephone: (562) 699-7411, FAX: (562) 699-5422
www.lacsd.org

RECEIVED

NOV 16 2017

GRACE ROBINSON HYDE
Chief Engineer and General Manager

THREE VALLEYS MWD

November 14, 2017

General Annexation File

Mr. Richard Hansen, General Manager
Three Valleys MWD - Glendora
1021 E. Miramar Avenue
Claremont, CA 91711

Dear Mr. Hansen:

Tax Sharing Resolutions

Thank you for signing and returning the last joint resolutions that were submitted to your office for tax sharing purposes.

Enclosed, in triplicate, is a Joint Tax Sharing Resolution (resolution) involving your agency and others. The applicant has requested, in writing, annexation of his property into the County Sanitation District No. 22 (District) in order to receive off-site disposal of sewage. Please see the table below for the annexation and its associated project. The annexation process requires that a resolution for property tax revenue exchange be adopted by all the affected local agencies before an annexation may be approved. For any jurisdictional change which will result in a special district providing new service not previously provided to an area, the law requires the governing bodies of all local agencies that receive an apportionment of the property tax from the area to determine by resolution the amount of the annual tax increment to be transferred to the special district (Revenue and Taxation Code Section 99.01). Please note that by sharing the property tax increment with the District resulting from this annexation, your agency will not lose any existing ad valorem tax revenue it currently receives from the affected territory. Your agency would only be giving up a portion of the revenues it would receive on increased assessed valuation.

<u>Annexation No.</u>	<u>Type of Project</u>
22-428	one existing single-family home

Also, attached for the annexation is a copy of the applicable worksheet and map showing the location of the annexation. The worksheet lists the annual tax increment to be exchanged between your agency, other affected taxing entities, and the District. The tax sharing ratios listed in the worksheet were calculated by the County Auditor Controller by specific Tax Rate Area (TRA). For example, if the annexing territory were to lie within two separate TRAs, there would be a worksheet for each TRA. The Los Angeles County Chief Executive Office (CEO) is requiring the District to implement the worksheet for all District annexations in order to increase efficiency for the calculation of property tax sharing ratios.

Mr. Richard Hansen

2

November 14, 2017

The resolution is being distributed to all parties for signature in counterpart. Therefore, you will only be receiving a signature page for your agency. Enclosed are three sets of the resolution. One set of the resolution is for your files and the other two sets of the resolution need to be returned to the District. Please execute the two sets of the resolution and return them to the undersigned within 60 days as required by the Government Code. In addition, the County CEO's legal counsel is also requesting that the signature pages be properly executed from all affected agencies. Therefore, please have the Attest line signed by the appropriate person. Upon completion of the annexation process, your office will receive a fully executed copy of the tax sharing resolution for your files.

Your continued cooperation in this matter is very much appreciated. If you have any questions, please do not hesitate to call me at (562) 908-4288, extension 2708.

Very truly yours,

Donna J. Curry



Customer Service Specialist
Facilities Planning Department

DC:

Enclosures: 22-428

JOINT RESOLUTION OF THE BOARD OF SUPERVISORS OF THE COUNTY OF LOS ANGELES
ACTING IN BEHALF OF

Los Angeles County General Fund

Los Angeles County Consolidated Fire Protection District

Los Angeles County Flood Control

THE BOARD OF DIRECTORS OF COUNTY SANITATION DISTRICT NO. 22 OF LOS ANGELES
COUNTY, AND THE GOVERNING BODIES OF

City of Glendora

Three Valleys MWD - Glendora

APPROVING AND ACCEPTING NEGOTIATED EXCHANGE OF PROPERTY TAX REVENUES
RESULTING FROM ANNEXATION TO COUNTY SANITATION DISTRICT NO. 22.

"ANNEXATION NO. 428"

WHEREAS, pursuant to Section 99 and 99.01 of the Revenue and Taxation Code, prior to the effective date of any jurisdictional change which will result in a special district providing a new service, the governing bodies of all local agencies that receive an apportionment of the property tax from the area must determine the amount of property tax revenues from the annual tax increment to be exchanged between the affected agencies and approve and accept the negotiated exchange of property tax revenues by resolution; and

WHEREAS, the governing bodies of the agencies signatory hereto have made determinations of the amount of property tax revenues from the annual tax increments to be exchanged as a result of the annexation to County Sanitation District No. 22 entitled *Annexation No. 428*;

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. The negotiated exchange of property tax revenues resulting from the annexation of territory to County Sanitation District No. 22 in the annexation entitled *Annexation No. 428* is approved and accepted.

2. For each fiscal year commencing on and after July 1, 2017 or after the effective date of this jurisdictional change, whichever is later, the County Auditor shall transfer to County Sanitation District No. 22 a total of 0.4878707 percent of the annual tax increment attributable to the land area encompassed within *Annexation No. 428* as shown on the attached Worksheet.

3. No additional transfer of property tax revenues shall be made from any other tax agencies to County Sanitation District No. 22 as a result of annexation entitled *Annexation No. 428*.

4. No transfer of property tax increments from properties within a community redevelopment project, which are legally committed to a Community Redevelopment Agency, shall be made during the period that such tax increment is legally committed for repayment of the redevelopment project costs.

5. If at any time after the effective date of this resolution, the calculations used herein to determine initial property tax transfers or the data used to perform those calculations are found to be incorrect thus producing an improper or inaccurate property tax transfer, the property tax transfer shall be recalculated and the corrected transfer shall be implemented for the next fiscal year, and any amounts of property tax received in excess of that which is proper shall be refunded to the appropriate agency.

The foregoing resolution was adopted by the Board of Supervisors of the County of Los Angeles, the Board of Directors of County Sanitation District No. 22 of Los Angeles County, and the governing bodies of City of Glendora and Three Valleys MWD - Glendora, signatory hereto.

THREE VALLEYS MWD - GLENDORA

SIGNATURE

Bob Kuhn, President

PRINT NAME AND TITLE

ATTEST:

Secretary, Brian Bowcock

December 6, 2017

Date

(SIGNED IN COUNTERPART)

ANNEXATION TO: CO.SANITATION DIST.NO 22 DEBT S.
 ACCOUNT NUMBER: 066.85
 TRA: 04144
 EFFECTIVE DATE: 07/01/2017
 ANNEXATION NUMBER: 428
 PROJECT NAME: A-22-428
 DISTRICT SHARE: 0.008915799

ACCOUNT #	TAXING AGENCY	CURRENT TAX SHARE	PERCENT	PROPOSED DIST SHARE	ALLOCATED SHARE	ADJUSTMENTS	NET SHARE
001.05	LOS ANGELES COUNTY GENERAL	0.267645740	26.7654 %	0.008915799	0.002386287	-0.002442013	0.265203727
001.20	L.A. COUNTY ACCUM CAP OUTLAY	0.000102839	0.0102 %	0.008915799	0.000000916	0.000000000	0.000102839
007.30	CONSOL. FIRE PRO.DIST.OF L.A.CO.	0.157909234	15.7909 %	0.008915799	0.001407886	-0.001407886	0.156501348
007.31	L A C FIRE-PFW	0.006147621	0.6147 %	0.008915799	0.000054810	0.000000000	0.006147621
030.10	L.A.CO.FL.CON.DR.IMP.DIST.MAINT.	0.001468240	0.1468 %	0.008915799	0.000013090	-0.000013090	0.001455150
030.70	LA CO FLOOD CONTROL MAINT	0.008309037	0.8309 %	0.008915799	0.000074081	-0.000074081	0.008234956
160.01	CITY-GLENDORA TD #1	0.100332298	10.0332 %	0.008915799	0.000894542	-0.000894542	0.099437756
365.10	THREE VY MWD GLENDORA AREA	0.005282271	0.5282 %	0.008915799	0.000047095	-0.000047095	0.005235176
400.00	EDUCATIONAL REV AUGMENTATION FD	0.070937097	7.0937 %	0.008915799	0.000632460	EXEMPT	0.070937097
400.01	EDUCATIONAL AUG FD IMPOUND	0.162293875	16.2293 %	0.008915799	0.001446979	EXEMPT	0.162293875
400.15	COUNTY SCHOOL SERVICES	0.001273744	0.1273 %	0.008915799	0.000011356	EXEMPT	0.001273744
400.21	CHILDREN'S INSTIL TUITIION FUND	0.002527979	0.2527 %	0.008915799	0.000022538	EXEMPT	0.002527979
791.04	CITRUS COMMUNITY COLLEGE DIST	0.022355666	2.2355 %	0.008915799	0.000199318	EXEMPT	0.022355666
791.20	CHILDREN'S CTR FUND CITRUS C C	0.000582973	0.0582 %	0.008915799	0.000005197	EXEMPT	0.000582973
868.03	GLENDORA UNIFIED SCHOOL DISTRICT	0.184138048	18.4138 %	0.008915799	0.001641737	EXEMPT	0.184138048
868.06	CO.SCH.SERV.FD.- GLENDORA	0.007827972	0.7827 %	0.008915799	0.000069792	EXEMPT	0.007827972
868.07	DEV.CTR.HDCPD.MINOR-GLENDORA	0.000865366	0.0865 %	0.008915799	0.000007715	EXEMPT	0.000865366
***066.85	CO.SANITATION DIST.NO 22 DEBT S.	0.000000000	0.0000 %	0.008915799	0.000000000	0.000000000	0.004878707

PROPERTY TAX TRANSFER RESOLUTION WORKSHEET
FISCAL YEAR 2016-2017

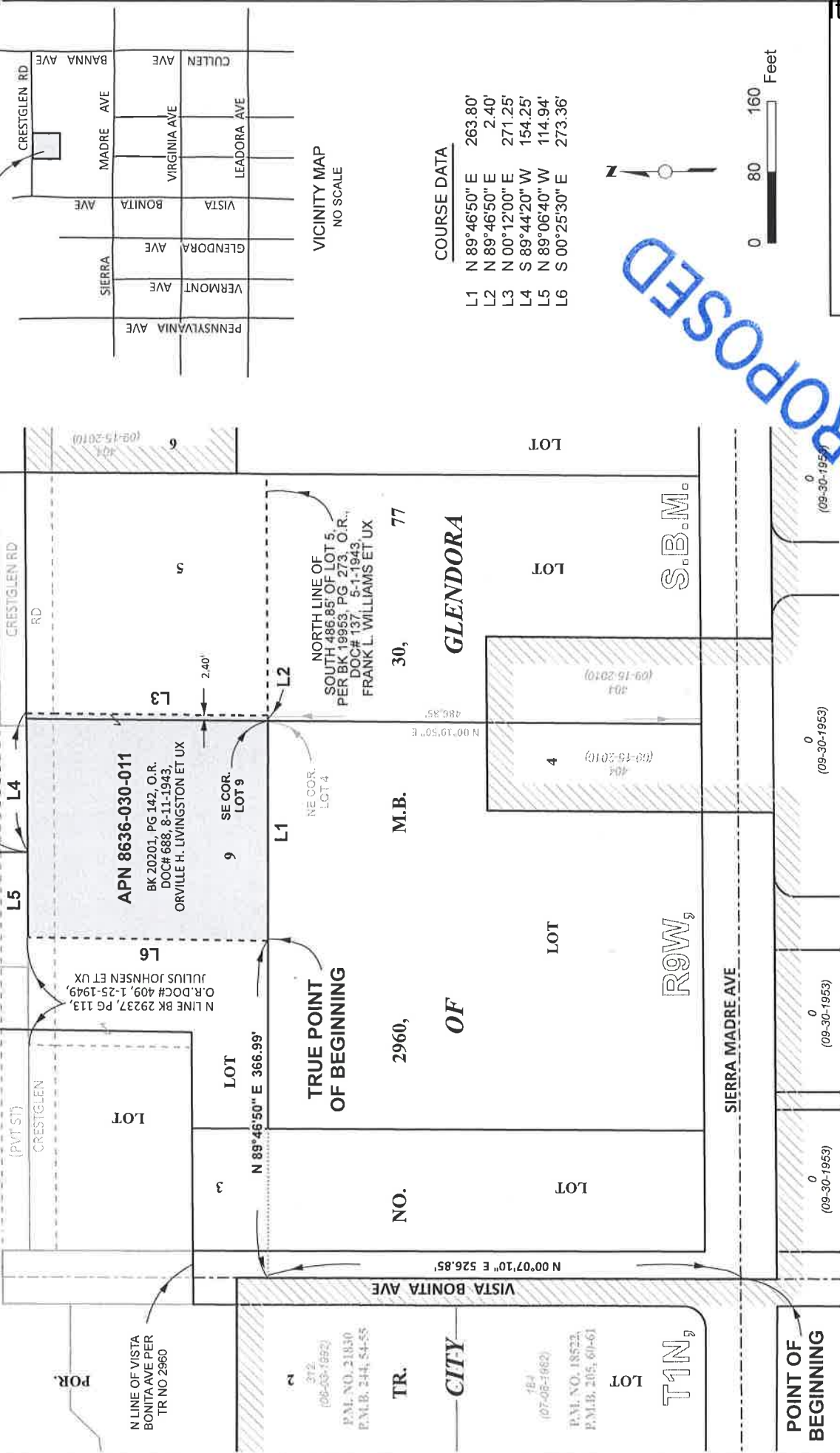
ACCOUNT #	TAXING AGENCY	CURRENT TAX SHARE	PERCENT	PROPOSED DIST SHARE	ALLOCATED SHARE	ADJUSTMENTS	NET SHARE
		1.000000000	100.0000 %		0.008915799	-0.004878707	1.000000000
TOTAL:		1.000000000	100.0000 %		0.008915799	-0.004878707	1.000000000

NE 1/4⁹
 P.M. NO. 11526,
 P.M.B. 129, 66, 67

NW 1/4⁹
 P.M. NO. 6477, P.M.B. 106, 19

SEC. 30

CITY OF GLENDORA
ANNEX NO 428



VICINITY MAP
 NO SCALE

COURSE DATA

L1	N 89°46'50" E	263.80'
L2	N 89°46'50" E	2.40'
L3	N 00°12'00" E	271.25'
L4	S 89°44'20" W	154.25'
L5	N 89°06'40" W	114.94'
L6	S 00°25'30" E	273.36'



PROPOSED

Item 9.5

COUNTY SANITATION DISTRICT NO. 22
 OF LOS ANGELES COUNTY, CA
 OFFICE OF CHIEF ENGINEER
 GRACE ROBINSON HYDE
 CHIEF ENGINEER & GENERAL MANAGER

ANNEXATION NO. 428
 TO
 COUNTY SANITATION DISTRICT NO. 22

Recorded

Annexation No. 428 shown thus
 Boundary of Sanitation District No. 22 prior to Annexation No. 428 shown thus
 Prior Annexations shown thus
 Area of Annexation 1.669 Acres

ANNEX. NO. (RECORDING DATE)

LA County Assessor Landbase 2017.
 CAMS Centerline, DPW City boundary
 LA County Sanitation Districts:
 AnnexationLayer and District Layer



Staff Report/Memorandum

To: TVMWD Board of Directors
From: Richard W. Hansen, General Manager *RH*
Date: December 6, 2017
Subject: Approval of Resolution No. 17-12-817 for County Sanitation District Tax Sharing Resolution: Annexation No. 22-429

<input checked="" type="checkbox"/> For Action	<input type="checkbox"/> Fiscal Impact	<input type="checkbox"/> Funds Budgeted
<input type="checkbox"/> Information Only	<input type="checkbox"/> Cost Estimate:	\$

Requested Action:

That the Board will approve,

1. Three Valleys Municipal Water Resolution Number 17-12-817 for County Sanitation District Tax Sharing Resolution Annexation No. 22-429; and
2. Direct staff to return the documents back to the County Sanitation District of Los Angeles County with proper documentation.

Alternative Action:

The Three Valleys Board may deny the request, upon which the Sanitation District will make this request to the County Board of Supervisors for a final determination.

Discussion:

The applicants for projects have requested annexation of their respective properties to the County Sanitation District to receive off-site sewage disposal. The annexation process requires that a resolution for property tax revenue exchange be adopted by all of the affected agencies prior to approval.

Three Valleys will not lose any existing ad valorem tax revenue it currently receives from the affected territories; Three Valleys would give up a portion of the revenue received from future “increased assessed valuation only.”

Listed below is a matrix and description for the pending tax sharing resolutions that require Board approval:

Project No.	TVMWD Current Tax Share	Percent	Adjustments	TVMWD Net Share
<i>The property consists of: Two existing single-family homes</i>				
22-429	0.004524219	0.4524%	-0.000040337	0.004483882

Upon execution and receipt of the documents, fully conformed copies will be provided back to Three Valleys Municipal Water District.



COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY

1955 Workman Mill Road, Whittier, CA 90601-1400
 Mailing Address: P.O. Box 4998, Whittier, CA 90607-4998
 Telephone: (562) 699-7411, FAX: (562) 699-5422
 www.lacsd.org

GRACE ROBINSON HYDE
 Chief Engineer and General Manager

RECEIVED

NOV 16 2017

November 14, 2017

General Annexation File

THREE VALLEYS MWD

Mr. Richard Hansen, General Manager
 Three Valleys Municipal Water District
 1021 E. Miramar Avenue
 Claremont, CA 91711

Dear Mr. Hansen:

Tax Sharing Resolutions

Thank you for signing and returning the last joint resolutions that were submitted to your office for tax sharing purposes.

Enclosed, in triplicate, is a Joint Tax Sharing Resolution (resolution) involving your agency and others. The applicant has requested, in writing, annexation of his property into the County Sanitation District No. 22 (District) in order to receive off-site disposal of sewage. Please see the table below for the annexation and its associated project. The annexation process requires that a resolution for property tax revenue exchange be adopted by all the affected local agencies before an annexation may be approved. For any jurisdictional change which will result in a special district providing new service not previously provided to an area, the law requires the governing bodies of all local agencies that receive an apportionment of the property tax from the area to determine by resolution the amount of the annual tax increment to be transferred to the special district (Revenue and Taxation Code Section 99.01). Please note that by sharing the property tax increment with the District resulting from this annexation, your agency will not lose any existing ad valorem tax revenue it currently receives from the affected territory. Your agency would only be giving up a portion of the revenues it would receive on increased assessed valuation.

<u>Annexation No.</u>	<u>Type of Project</u>
22-429	two existing single-family homes

Also, attached for the annexation is a copy of the applicable worksheet and map showing the location of the annexation. The worksheet lists the annual tax increment to be exchanged between your agency, other affected taxing entities, and the District. The tax sharing ratios listed in the worksheet were calculated by the County Auditor Controller by specific Tax Rate Area (TRA). For example, if the annexing territory were to lie within two separate TRAs, there would be a worksheet for each TRA. The Los Angeles County Chief Executive Office (CEO) is requiring the District to implement the worksheet for all District annexations in order to increase efficiency for the calculation of property tax sharing ratios.

Mr. Richard Hansen

2

November 14, 2017

The resolution is being distributed to all parties for signature in counterpart. Therefore, you will only be receiving a signature page for your agency. Enclosed are three sets of the resolution. One set of the resolution is for your files and the other two sets of the resolution need to be returned to the District. Please execute the two sets of the resolution and return them to the undersigned within 60 days as required by the Government Code. In addition, the County CEO's legal counsel is also requesting that the signature pages be properly executed from all affected agencies. Therefore, please have the Attest line signed by the appropriate person. Upon completion of the annexation process, your office will receive a fully executed copy of the tax sharing resolution for your files.

Your continued cooperation in this matter is very much appreciated. If you have any questions, please do not hesitate to call me at (562) 908-4288, extension 2708.

Very truly yours,

Donna J. Curry



Customer Service Specialist
Facilities Planning Department

DC:

Enclosures: 22-429

JOINT RESOLUTION OF THE BOARD OF SUPERVISORS OF THE COUNTY OF LOS ANGELES
ACTING IN BEHALF OF

Los Angeles County General Fund

Los Angeles County Library

Los Angeles County Flood Control

THE BOARD OF DIRECTORS OF COUNTY SANITATION DISTRICT NO. 22 OF LOS ANGELES
COUNTY, AND THE GOVERNING BODIES OF

Upper San Gabriel Valley Municipal Water District

City of West Covina

West Covina Sewer Maintenance District

Three Valleys Municipal Water District

APPROVING AND ACCEPTING NEGOTIATED EXCHANGE OF PROPERTY TAX REVENUES
RESULTING FROM ANNEXATION TO COUNTY SANITATION DISTRICT NO. 22.

"ANNEXATION NO. 429"

WHEREAS, pursuant to Section 99 and 99.01 of the Revenue and Taxation Code, prior to the effective date of any jurisdictional change which will result in a special district providing a new service, the governing bodies of all local agencies that receive an apportionment of the property tax from the area must determine the amount of property tax revenues from the annual tax increment to be exchanged between the affected agencies and approve and accept the negotiated exchange of property tax revenues by resolution; and

WHEREAS, the governing bodies of the agencies signatory hereto have made determinations of the amount of property tax revenues from the annual tax increments to be exchanged as a result of the annexation to County Sanitation District No. 22 entitled *Annexation No. 429*;

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. The negotiated exchange of property tax revenues resulting from the annexation of territory to County Sanitation District No. 22 in the annexation entitled *Annexation No. 429* is approved and accepted.

2. For each fiscal year commencing on and after July 1, 2017 or after the effective date of this jurisdictional change, whichever is later, the County Auditor shall transfer to County Sanitation District No. 22 a total of 0.4712498 percent of the annual tax increment attributable to the land area encompassed within *Annexation No. 429* for Tax Rate Area 03067 as shown on the attached Worksheet.

3. For each fiscal year commencing on and after July 1, 2017 or after the effective date of this jurisdictional change, whichever is later, the County Auditor shall transfer to County Sanitation District No. 22 a total of 0.4707010 percent of the annual tax increment attributable to the land area encompassed within *Annexation No. 429* for Tax Rate Area 03107 as shown on the attached Worksheet.

4. No additional transfer of property tax revenues shall be made from any other tax agencies to County Sanitation District No. 22 as a result of annexation entitled *Annexation No. 429*.

5. No transfer of property tax increments from properties within a community redevelopment project, which are legally committed to a Community Redevelopment Agency, shall be made during the period that such tax increment is legally committed for repayment of the redevelopment project costs.

6. If at any time after the effective date of this resolution, the calculations used herein to determine initial property tax transfers or the data used to perform those calculations are found to be incorrect thus producing an improper or inaccurate property tax transfer, the property tax transfer shall be recalculated and the corrected transfer shall be implemented for the next fiscal year, and any amounts of property tax received in excess of that which is proper shall be refunded to the appropriate agency.

The foregoing resolution was adopted by the Board of Supervisors of the County of Los Angeles, the Board of Directors of County Sanitation District No. 22 of Los Angeles County, and the governing bodies of Upper San Gabriel Valley Municipal Water District, City of West Covina, West Covina Sewer Maintenance District, and Three Valleys Municipal Water District, signatory hereto.

THREE VALLEYS MUNICIPAL WATER
DISTRICT

SIGNATURE

Bob Kuhn, President
PRINT NAME AND TITLE

ATTEST:

Secretary, Brian Bowcock

December 6, 2017
Date

(SIGNED IN COUNTERPART)

ANNEXATION TO: CO. SANITATION DIST. NO 22 DEBT S.
 ACCOUNT NUMBER: 066.85
 TRA: 03107
 EFFECTIVE DATE: 07/01/2017
 ANNEXATION NUMBER: 429
 PROJECT NAME: A-22-429
 DISTRICT SHARE: 0.008915799

ACCOUNT #	TAXING AGENCY	CURRENT TAX SHARE	PERCENT	PROPOSED DIST SHARE	ALLOCATED SHARE	ADJUSTMENTS	NET SHARE
001.05	LOS ANGELES COUNTY GENERAL	0.337504685	33.7512 %	0.008915799	0.003009132	-0.003079291	0.334425394
001.20	L.A. COUNTY ACCUM CAP OUTLAY	0.000118735	0.0118 %	0.008915799	0.000001058	0.000000000	0.000118735
003.01	L A COUNTY LIBRARY	0.024567162	2.4567 %	0.008915799	0.000219035	-0.000219035	0.024348127
007.31	L A C FIRE-FFW	0.007750418	0.7750 %	0.008915799	0.000069101	0.000000000	0.007750418
030.10	L.A.CO.FL.CON.DR.IMP.DIST.MAINT.	0.001845266	0.1845 %	0.008915799	0.000016452	-0.000016452	0.001828814
030.70	LA CO FLOOD CONTROL MAINT	0.010445338	1.0445 %	0.008915799	0.000093128	-0.000093128	0.010352210
280.01	CITY-WEST COVINA TD #1	0.137998959	13.7998 %	0.008915799	0.001230370	-0.001230370	0.136768589
280.80	CITY-WEST COVINA SEWER MAIN DIST	0.003185063	0.3185 %	0.008915799	0.000028397	-0.000028397	0.003156666
365.05	THREE VALLEY MWD ORIG AREA	0.004524219	0.4524 %	0.008915799	0.000040337	-0.000040337	0.004483882
400.00	EDUCATIONAL REV AUGMENTATION FD	0.072459017	7.2459 %	0.008915799	0.000646030	EXEMPT	0.072459017
400.01	EDUCATIONAL AUG FD IMPOUND	0.169291092	16.9291 %	0.008915799	0.001509365	EXEMPT	0.169291092
400.15	COUNTY SCHOOL SERVICES	0.001472313	0.1472 %	0.008915799	0.000013126	EXEMPT	0.001472313
400.21	CHILDREN'S INSTIL TUITION FUND	0.002923846	0.2923 %	0.008915799	0.000026068	EXEMPT	0.002923846
809.04	MT.SAN ANTONIO COMMUNITY COLLEGE	0.031547858	3.1547 %	0.008915799	0.000281274	EXEMPT	0.031547858
809.20	MT SAN ANTONIO CHILDRENS CTR FD	0.000305742	0.0305 %	0.008915799	0.000002725	EXEMPT	0.000305742
847.03	COVINA-VALLEY UNIFIED SCHOOL DIS	0.184190451	18.4190 %	0.008915799	0.001642205	EXEMPT	0.184190451
847.06	CO.SCH.SERV.FD.- COVINA-VALLEY	0.008071003	0.8071 %	0.008915799	0.000071959	EXEMPT	0.008071003
847.07	DEV.CTR.HDCPD.MINOR-COVINA-VY.	0.000908322	0.0908 %	0.008915799	0.000008098	EXEMPT	0.000908322
847.20	COVINA-VALLEY CHILDREN,S CTR.FD.	0.000890511	0.0890 %	0.008915799	0.000007939	EXEMPT	0.000890511

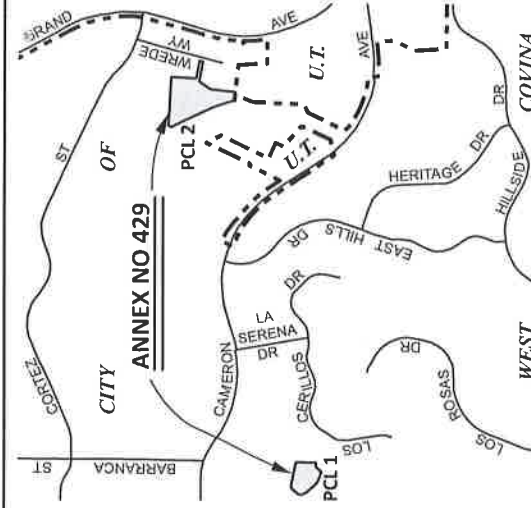
PROPERTY TAX TRANSFER RESOLUTION WORKSHEET
FISCAL YEAR 2016-2017

AUDITOR ACAFAN03

ANNEXATION NUMBER: 429 PROJECT NAME: A-22-429 TRA: 03107

TAXING AGENCY TAX SHAKE CURRENT TAX SHAKE PROPOSED DIST SHARE ALLOCATED SHARE ADJUSTMENTS NET SHARE

***066.85	CO.SANITATION DIST.NO 22 DEBT S.	0.000000000	0.0000 %	0.008915799	0.000000000	0.000000000	0.004707010
TOTAL:		1.000000000	100.0000 %	0.008915799	0.000000000	-0.004707010	1.000000000



VICINITY MAP
NO SCALE

COURSE DATA

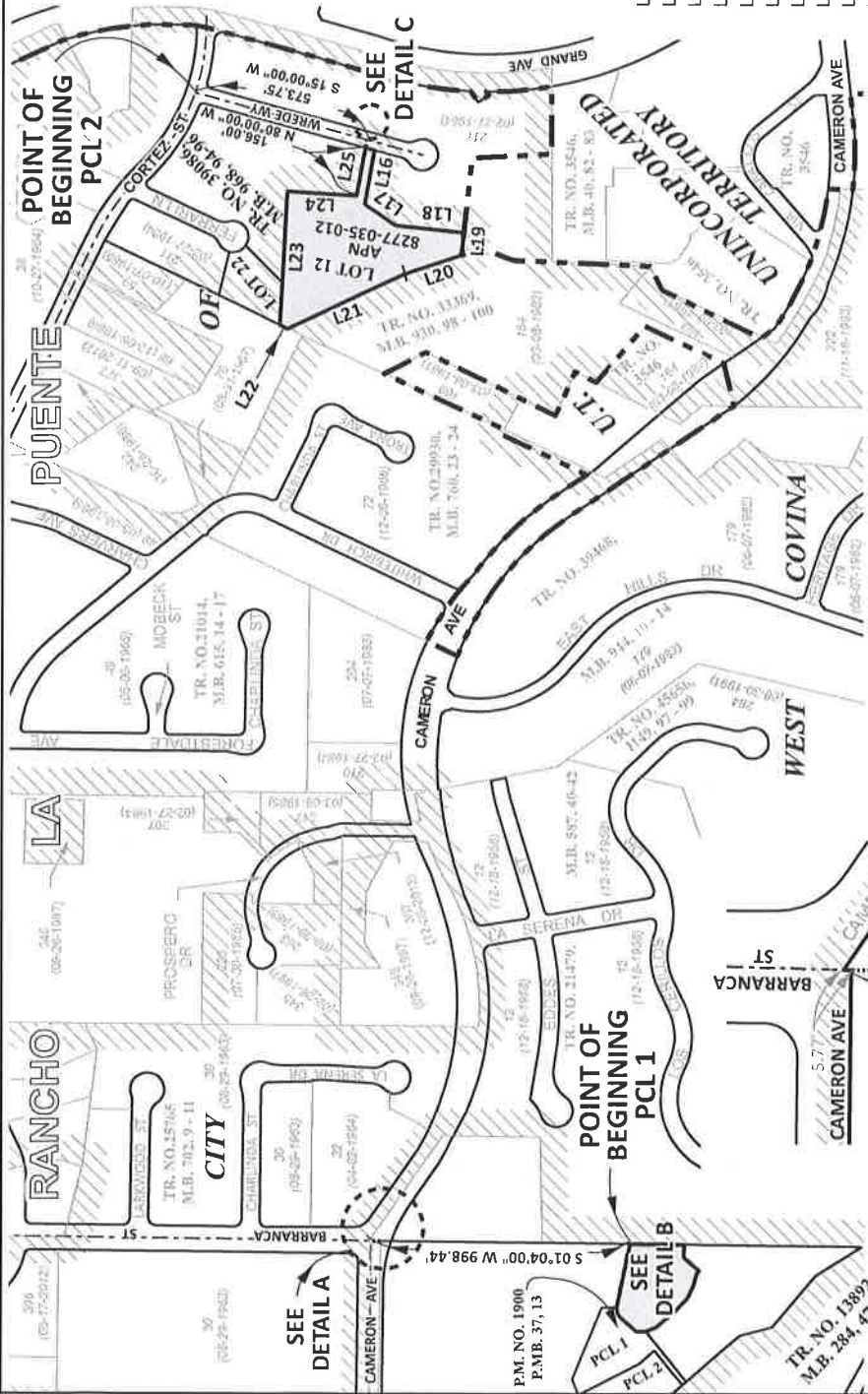
L1	S 01°04'00" W	172.48'	L15	S 15°00'00" W	30.12'
L2	N 88°56'00" W	41.67'	L16	N 80°00'00" W	175.79'
L3	S 40°27'06" W	65.43'	L17	S 34°17'36" W	118.56'
L4	N 49°32'54" W	11.83'	L18	S 05°47'44" W	220.00'
L5	N 74°43'37" W	40.66'	L19	N 84°12'16" W	71.82'
L6	N 63°38'22" W	46.87'	L20	N 19°00'48" W	208.67'
L7	N 46°51'24" W	59.76'	L21	N 24°41'34" W	401.66'
L8	N 40°40'19" W	77.31'	L22	N 25°25'44" E	18.46'
L9	N 21°43'29" W	35.16'	L23	S 87°00'00" E	430.47'
L10	N 03°04'42" E	29.24'	L24	S 03°41'47" W	221.59'
L11	N 41°13'06" E	74.72'	L25	S 80°00'00" E	156.01'
L12	N 61°53'33" E	11.71'			
L13	N 84°39'06" E	19.64'			
L14	S 78°10'58" E	208.27'			

U.T. = Unincorporated Territory

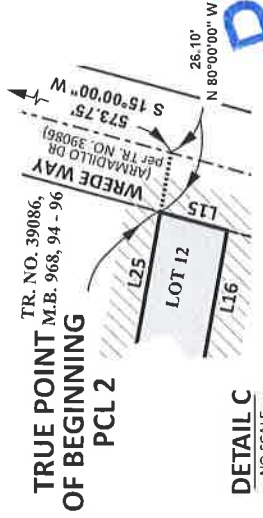


Item 9.6

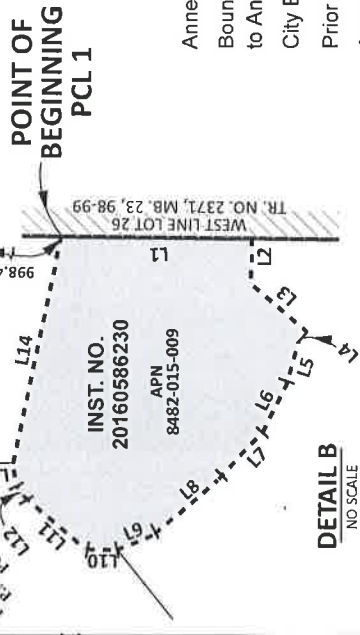
COUNTY SANITATION DISTRICT NO. 22
OF LOS ANGELES COUNTY, CA
OFFICE OF CHIEF ENGINEER
GRACE ROBINSON HYDE
CHIEF ENGINEER & GENERAL MANAGER
ANNEXATION NO. 429
TO
COUNTY SANITATION DISTRICT NO. 22
(Revised)



P. 1, 43, 44



TRUE POINT OF BEGINNING PCL 2
DETAIL C
NO SCALE



POINT OF BEGINNING PCL 1
DETAIL B
NO SCALE



ANNEX NO. 429 (RECORDING DATE)

Annexation No. 22 shown thus
Boundary of Sanitation District No. 429 prior to Annexation No. 22 shown thus
City Boundary
Prior Annexations shown thus
Area of Annexation
Total
Pcl 1: 1.227 Acres
Pcl 2: 3.409 Acres
4.636 Acres

LA County Assessor Landbase
CAMS Centerline DPW City Boundary
LA County Sanitation Districts
Annexation Layer and District Layer



Staff Report/Memorandum

To: TVMWD Board of Directors

From: Richard W. Hansen, General Manager *RH*

Date: December 6, 2017

Subject: CY 2018 Board Reorganization

<input checked="" type="checkbox"/> For Action	<input type="checkbox"/> Fiscal Impact	<input type="checkbox"/> Funds Budgeted
<input type="checkbox"/> Information Only	<input type="checkbox"/> Cost Estimate:	\$

Requested Action:

The Board of Directors will select members to serve as Officers during CY 2018:

- 1) Nominate and select a Board President; and
- 2) Nominate and select a Vice President, Secretary and Treasurer

Discussion:

District policy, Section 2.3, Board of Directors – Organization cites, that the organizational activities for selecting its officers occur during the first meeting in December to coincide with the installation of new officers.

The Board will select four of its seven directors to serve during Calendar Year 2018 as follows: President, Vice President, Secretary and Treasurer. Accordingly, the General Manager will assist in conducting the selection of a Board President, and then the Board President will oversee the process for selecting the remaining Officers.

If there are no changes proposed, it is expected that the slate will be approved by a single motion.

Attached is the list of incumbent officers from CY 2017.

Strategic Goal Objectives

- 3.3 – Be accountable and transparent with major decisions



CY 2018 BOARD REORGANIZATION **THREE VALLEYS MUNICIPAL WATER DISTRICT**

CY 2018 PROPOSED BOARD OFFICERS¹

Name	Representing	Position
Carlos Goytia	Division 1	
David De Jesus	Division 2	
Brian Bowcock	Division 3	
Bob Kuhn	Division 4	
Joseph Ruzicka	Division 5	
John Mendoza	Division 6	
Dan Horan	Division 7	

2017 INCUMBENT BOARD OFFICERS

Name	Representing	Position
Carlos Goytia	Division 1	Director
David De Jesus	Division 2	Vice President
Brian Bowcock	Division 3	Secretary
Bob Kuhn	Division 4	President
Joseph Ruzicka	Division 5	Treasurer
John Mendoza	Division 6	Director
Dan Horan	Division 7	Director

¹ The Board will consider election of four officers, President, Vice President, Secretary and Treasurer. All remaining elected officials on the Board will be Directors.



Staff Report/Memorandum

To: TVMWD Board of Directors
From: Richard W. Hansen, General Manager *RH*
Date: December 6, 2017
Subject: CY 2018 Board Appointments

<input checked="" type="checkbox"/> For Action	<input type="checkbox"/> Fiscal Impact	<input type="checkbox"/> Funds Budgeted
<input type="checkbox"/> Information Only	<input type="checkbox"/> Cost Estimate:	\$

Requested action:

That the Board will,

- 1) Select or confirm a District representative to serve on the Metropolitan Water District of Southern California (MWD) Board of Directors for CY 2018.
- 2) Select or confirm a District representative and alternate to serve on the San Gabriel Basin Water Quality Authority Board of Directors for CY 2018.
- 3) Board President will appoint Directors to serve as representatives / alternates to attend and monitor activities and report to the Board regarding activities of other member agency and/or other agency board meetings for CY 2018.

Discussion:

Pursuant to district policy Section 2.3 – Board of Directors Organization:

The Board of Directors will select or confirm a District representative to the Metropolitan Water District of Southern California (MWD) Board of Directors and a representative and alternate to the San Gabriel Basin Water Quality Authority (WQA)¹;

The Board President appoints Directors to serve as representatives / alternates to attend and monitor activities for the following member agency / other agency board meetings:

- ACWA Region 8 Delegate
- ACWA / JPIA
- Chino Basin Watermaster
- Local Agency Formation Commission (LAFCO)
- Main San Gabriel Basin Watermaster
- PWR Joint Water Line Commission

¹ Current appointment to San Gabriel Basin WQA was done by Resolution No. 14-12-746 on December 17, 2014 for a four-year term.

- Rowland Water District
- San Gabriel Valley Council of Governments – Note for CY 2018 TVMWD will be the alternate
- Six Basins Watermaster
- Walnut Valley Water District

A list of the CY 2017 incumbents for each of these agencies is attached.

Strategic Goal Objectives

3.3 – Be accountable and transparent with major decisions



CY 2018 BOARD APPOINTMENTS

THREE VALLEYS MUNICIPAL WATER DISTRICT

PROPOSED CY 2018 TVMWD REPRESENTATIVE APPOINTMENTS

Committee / Board	Representative	Alternate
ACWA Region 8 Delegate		
ACWA / JPIA Representative		
Chino Basin Watermaster ¹		
Local Agency Formation Commission (LAFCO)		
Main San Gabriel Basin Watermaster		
MWD Board Representative		Alternate Not Applicable
PWR Joint Water Line Commission		
Rowland Water District		
San Gabriel Basin WQA ¹		
San Gabriel Valley Council of Governments (SGV-COG) ²		
Six Basins Watermaster ¹		
Walnut Valley Water District		

ADOPTED CY 2017 TVMWD REPRESENTATIVE/ALTERNATE APPOINTMENTS

Committee / Board	Representative	Alternate
ACWA Region 8 Delegate	Dan Horan	Brian Bowcock
ACWA / JPIA Representative	Brian Bowcock	Bob Kuhn
Chino Basin Watermaster	Bob Kuhn	David De Jesus
Local Agency Formation Commission (LAFCO)	Joe Ruzicka	Bob Kuhn
Main San Gabriel Basin Watermaster	Brian Bowcock	Dan Horan
MWD Board Representative	David De Jesus	N/A
PWR Joint Water Line Commission	Dan Horan	Carlos Goytia
Rowland Water District	Dan Horan	Joe Ruzicka
San Gabriel Basin WQA	Bob Kuhn	Dan Horan
San Gabriel Valley Council of Governments	Carlos Goytia	Joe Ruzicka
Six Basins Watermaster	Brian Bowcock	John Mendoza
Walnut Valley Water District	David De Jesus	Joe Ruzicka

¹ Both the representative and alternate will attend these meetings due to voting requirements.

² For CY 2018 TVMWD will be the alternate