

**LAS VIRGENES - TRIUNFO
JOINT POWERS AUTHORITY
AGENDA**

CLOSING TIME FOR AGENDA IS 8:30 A.M. ON THE TUESDAY PRECEDING THE MEETING.
GOVERNMENT CODE SECTION 54954.2 PROHIBITS TAKING ACTION ON ITEMS NOT ON POSTED
AGENDA UNLESS AN EMERGENCY, AS DEFINED IN GOVERNMENT CODE SECTION 54956.5
EXISTS OR UNLESS OTHER REQUIREMENTS OF GOVERNMENT CODE SECTION 54954.2(B) ARE
MET.

5:00 PM

June 3, 2013

PLEDGE OF ALLEGIANCE

1. CALL TO ORDER AND ROLL CALL

- A** The meeting was called to order at _____ p.m. by _____ in the Las Virgenes Municipal Water District office and the Clerk of the Board called the roll.

<u>Triunfo Sanitation District</u>	<u>Present</u>	<u>Left</u>	<u>Absent</u>
Steven Iceland	_____	_____	_____
Michael McReynolds, Chair	_____	_____	_____
Janna Orkney	_____	_____	_____
Michael Paule	_____	_____	_____
James Wall	_____	_____	_____
<u>Las Virgenes Municipal Water District</u>			
Charles Caspary, Vice Chair	_____	_____	_____
Glen Peterson	_____	_____	_____
Leonard Polan	_____	_____	_____
Lee Renger	_____	_____	_____
Barry Steinhardt	_____	_____	_____

2. APPROVAL OF AGENDA

- A** Moved by _____, seconded by _____, and _____, that the agenda for the Regular Meeting of June 3, 2013, be approved as presented/amended.

3. PUBLIC COMMENTS

Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

4. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS

- A** Proposed Joint Powers Authority Budget for Fiscal Year 2013-14

Adopt the proposed Joint Powers Authority budget for Fiscal Year 2013-14.

5. CONSENT CALENDAR

A Minutes: Special Meeting of April 17, 2013 and Regular Meeting of May 6, 2013.
Approve

6. ACTION ITEMS

A Engineering Services for Agoura Road Recycled Water Pipeline Project from Ladyface Court to Cornell Road

Accept the proposal from Kimley-Horn & Associates, Inc. for engineering services for the Agoura Road Recycled Water Pipeline Project from Ladyface Court to Cornell Road in an amount not to exceed \$79,000 and authorize the General Manager to execute a professional services agreement for the work; and appropriate \$100,000 for the engineering services for the project.

B Proposed Legislative Policy Principles

Approve the proposed Legislative Policy Principles.

C Woodland Hills Country Club Recycled Water System Extension

Authorize staff to develop draft wholesale purchase and capital facility agreements between the JPA and the City of Los Angeles for the Woodland Hills Country Club Recycled Water System Extension.

7. BOARD COMMENTS

8. FUTURE AGENDA ITEMS

9. INFORMATION ITEMS

A Initial Study and Negative Declaration for SCADA Communication Upgrade

B Tapia Water Reclamation Facility Alternative Disinfection Project: Ratification of Change Order No. 5

10. CLOSED SESSION

A Conference with District Counsel - Potential Litigation (Government Code Section 54956.9): One Case

1. In the opinion of District Counsel, disclosure of the identity of the litigant would be prejudicial to the agency.

B Conference with District Counsel - Existing Litigation:

1. Heal the Bay, Inc. v. Lisa P. Jackson

11. ADJOURNMENT

June 3, 2013 JPA Board Meeting

TO: JPA Board of Directors

FROM: Finance & Administration

Subject: Proposed Joint Powers Authority Budget for Fiscal Year 2013-14

SUMMARY:

The proposed Joint Powers Authority budget for Fiscal Year (FY) 2013-14 will be presented at the meeting for adoption. Staff previously reviewed the preliminary budget with the Board on May 6, 2013.

The proposed operating budget for FY 13-14 is \$15.1 million, which is \$0.5 million lower than the adopted budget for FY 12-13. The net operating expense (i.e. operating budget less operating revenues) is \$12.41 million, which is less than the FY 12-13 net operating expense of \$12.75 million.

The proposed capital projects budget for FY 12-13 is \$9.14 million, consisting of \$7.39 million for previously appropriated projects (carry-over appropriations) and \$1.75 million for new appropriations for continuing projects or new projects to begin in FY 13-14.

RECOMMENDATION(S):

Adopt the proposed Joint Powers Authority budget for Fiscal Year 2013-14.

DISCUSSION:

Based upon the discussion at the May 6th JPA Board meeting, the following changes were made to the proposed budget:

- Adjustment of the wholesale recycled water rate to reflect the application of cost-savings associated with the solar generation project, currently estimated to be \$40,000, to the sanitation operation rather than the recycled water operation.
- Addition of a \$100,000 budget for the TMDL issue (\$50,000 for legal expenses and \$50,000 for the proposed collaborative research).
- Elimination of the appropriation in the amount of \$655,000 for the Agoura Road Recycled Water Pipeline Project.

Staff provide a presentation on the proposed budget and be available for questions.

Prepared By: Sandra Hicks, Director of Finance & Administration

MINUTES

SPECIAL MEETING OF THE LAS VIRGENES – TRIUNFO

JOINT POWERS AUTHORITY BOARD OF DIRECTORS

April 17, 2013

1. The Las Virgenes – Triunfo Joint Powers Authority Board of Directors met in Special Meeting at Las Virgenes Municipal Water District, 4232 Las Virgenes Road, in Calabasas, California, at 5:00 PM on Wednesday, April 17, 2013.

Chair McReynolds called the meeting to order at 5:00 PM.

Clerk of the Board Conklin called the roll. Those answering present were Directors Caspary, McReynolds, Orkney, Paule, Peterson, Polan, Renger, Steinhardt and Wall. Absent: Director Iceland.

The Pledge of Allegiance to the Flag was led by Clerk of the Board Conklin.

2. Public Comments: No speaker cards were received from the public.

The meeting adjourned into Closed Session at 5:01 PM.

Director Iceland arrived at 5:04 PM.

3. Closed Session

Conference with District Counsel – Existing Litigation:

1. Heal the Bay, Inc. v. Lisa P. Jackson

Conference with District Counsel – Potential Litigation (Government Code Section 54956.9): One Case

1. In the opinion of District Counsel, disclosure of the identity of the litigant would be prejudicial to the district.

The meeting convened into Open Session at 6:35 PM. No reportable actions were taken during Closed Session.

4. Adjournment: Chair McReynolds declared the Las Virgenes – Triunfo Joint Powers Authority Special Meeting: Closed Session adjourned at 6:36 PM.

Michael McReynolds, Chair

ATTEST:

Charles Caspary, Vice Chair

**LAS VIRGENES - TRIUNFO
JOINT POWERS AUTHORITY
MINUTES**

5:00 PM

May 6, 2013

PLEDGE OF ALLEGIANCE

At the request of Chair McReynolds, the Pledge of Allegiance to the Flag was led by Administering Agent/General Manager Pedersen.

1. CALL TO ORDER AND ROLL CALL**A** Call to order and roll call

The meeting was called to order at 5:02 p.m. by Chair McReynolds in the Oak Park Library. Clerk of the Board Conklin called the roll. Those answering present were Directors Caspary, Iceland, McReynolds, Orkney, Paule, Polan, Renger, Steinhardt and Wall. Directors absent: Peterson.

2. APPROVAL OF AGENDA**A** Approval of agenda

On a motion by Director Steven Iceland, seconded by Director Leonard Polan, the Board of Directors voted 9-0 -1 to Approve the JPA Regular Board Meeting agenda of May 6, 2013, as presented.

AYES: Director(s) Caspary , Iceland , McReynolds , Orkney , Paule , Polan , Renger , Steinhardt , Wall

ABSENT: Director(s) Peterson

3. PUBLIC COMMENTS

Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

No speaker cards were received from the public.

4. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS**A** Preliminary JPA Budget for Fiscal Year 2013-14

Las Virgenes' Financial Analyst, Mike Hamilton discussed the process for the budget cycle, projections, three year average used.

A summary of JPA Board comments included: system operations decrease (anticipated labor-minimal decrease); are these JPA expenditures (JPA only-from Infrastructure Investment Plan); JPA built most of the pipes in Las Virgenes' district, questions whether or not there is a benefit

to Triunfo in regards to the Lost Hills Overpass Recycled Water Main Relocation (JPA has a pipe in the bridge, which needs to be moved and Lost Hills main customer is the landfill, which is a large user of recycled water), or the Agoura Road Recycled Water Main-Ladyface to Cornell Road (the project will be removed from the preliminary JPA budget and funding will be requested if Triunfo decides to participate (Orkney and Paule would like to study whether or not Triunfo benefits from the project or not, Administering Agent/General Manager David Pedersen believes the project benefits the JPA, both Las Virgenes and Triunfo)); how much more money will the JPA get and what is Triunfo's portion (numbers will be brought back in June); creek avoidance and project costs over fifty years is difficult to determine; look at purchasing pipe from Calleguas; Tapia Channel Mixing Improvements (replacement due to corrosion); three year smoothing for drought; projected higher recycled water use in fiscal year 2013-14 (we are seeing an increase due to a return of demands to pre-drought sales).

Director Orkney requested a future agenda item to discuss whether or not Triunfo should continue to participate in future Las Virgenes infrastructure and Director Caspary requested confirmation as to whether or not California Water Service Company sets rates through the California Public Utilities Commission (Calleguas General Manager, Susan Mulligan stated she believes this is the case).

Las Virgenes' Administrative Services Coordinator, Doug Anders gave a presentation entitled "JPA Wholesale Recycled Water Rate", which discussed recycled system transactions and the effects on Las Virgenes, Triunfo and Calleguas (California Water Service Company and Triunfo Sanitation District are the largest purchasers of recycled water), and provided two exhibits analyzing recycled water system net revenue (status quo sales and sales proportionate to capacity rights).

A summary of JPA Board comments included: of course we would like to charge more for wholesale, but based on past discussions the rate cannot be increased (Mulligan: in speaking with the Calleguas Board it makes sense to stick with the formula Las Virgenes, Triunfo and Calleguas agreed to whether it results in an increase or a decrease in the rate, she also talked to her Board about setting aside the additional monies in a separate fund to be used for the solar project); potable rates all those years ago were not anticipated to increase as much as they have, is the JPA Board opposed to changing the calculation or should the calculation be revisited (Mulligan: Calleguas made an investment for a twenty year period of time, they have not been paid back yet and the cost of maintenance and operations would need to be included as well); is there a way to spread the rate; we lose money due to the solar power project but yet we have to raise the rates to our customers (there are costs to operate the pipeline on an annual basis); why can't solar be charged to all JPA electric bills and not just to the recycled pump station (solar is being used for the recycled pump station only/a condition of the Farm deed has restrictions set by the Clean Water Act); JPA consists of not only the pump station but all of the JPA; supports savings to entire JPA or put monies into a separate account; can Las Virgenes use solar only and not JPA (deed restriction would need to be verified); Page 6-Capital Outlay (impellers, spare parts and actuators at compost plant); if we don't approve the budget what would the recycled rate be (Triunfo Legal Counsel Mathews: the same as now); if cost is linear does it affect Las Virgenes (Pedersen: no); if rate goes down does it adversely affect Triunfo (Triunfo District Manager, Mark Norris: on wholesale rate no effect); significant change to ratepayers (Mathews: does not believe so).

Administering Agent/General Manager Pedersen stated Las Virgenes would look at applying solar savings to all JPA billings not just the pump station.

Triunfo Legal Counsel Mathews: watch Prop 218 rules.

Triunfo Director Paule requested an update on Calleguas' defective pipe lawsuit (Mulligan: **ITEM 5A**

negotiations are this month and she needs to provide an update to the Triunfo Board); Triunfo Director Orkney requested confirmation that expenditures are the cost of project and defective pipe, which is then depreciated (Mulligan: yes).

Director Orkney requested an information only item in regards to Page 14 of the 2013-14 preliminary budget: Human Resources-Retired Employee Benefits (increase from the 2012-13 budget to the 2013-14 preliminary budget is due to an increase in retirees including the former general manager); also a summary of JPA public outreach found on Pages 6 and 16/17 (wastewater tours, school tours (outreach to Oak Park School District yielded no responses)). Director Iceland stated a solar group requested a tour (Resource Conservation Public Affairs and Communications Manager Reinhardt stated the group called on May 6th and requested a tour be held for them on May 7th at noon, unfortunately staff can't provide tours within such a short period of time); and suggested two budgets be prepared and voted on.

Director McReynolds requested a dollar amount be included for outside litigation (Pedersen will obtain an estimate from Las Virgenes Legal Counsel Wayne Lemieux); and believes solar electric rate should be applied across the entire JPA.

Director Iceland requested the wholesale recycled water rate remain status quo for one more year at \$454.78.

Director Caspary stated it is critical that the issue with Calleguas is resolved sooner than later and we need to set the rate based upon the agreed to formula.

A vote of the JPA Board was not taken as this was an illustrative and/or verbal presentation agenda item only.

5. CONSENT CALENDAR

A Minutes: Regular Meeting of April 1, 2013 and Special Meeting of April 13, 2013.

Approve

On a motion by Director Michael McReynolds, seconded by Director Leonard Polan, the Board of Directors voted 8-0 -1 -1 to Approve the recommendation as presented. Director Orkney stated she abstained from the vote as she was not in attendance at either meeting.

AYES: Director(s) Caspary , Iceland , McReynolds , Paule , Polan , Renger , Steinhardt , Wall

ABSTAIN: Director(s) Orkney

ABSENT: Director(s) Peterson

6. ACTION ITEMS

A Joint Powers Authority Quarterly Financial Report at March 31, 2013

Receive and file.

Administering Agent/General Manager Pedersen provided an overview of the quarterly financial report and discussed capital estimate v. actual, which is off due to timing; and Southern California Edison says Tapia's meter and the recent decreases in billings are both accurate.

On a motion by Director Charles Caspary, seconded by Director Steven Iceland, the Board of Directors voted 9-0 -1 to Approve the recommendation as presented.

AYES: Director(s) Caspary , Iceland , McReynolds , Orkney , Paule , Polan , Renger ,

Steinhardt , Wall
ABSENT: Director(s) Peterson

B Proposed Legislative Policy Principles

Approve the draft Legislative Policy Principles.

A summary of JPA Board comments included: add a principle to each policy related to cost and take into account cost/benefit (similar to principle seven under environmental policy related to evaluations of cost and technology); Environmental Policy: the first principle listed relates to support of legislation that serves to achieve and maintain a healthful environment and should be brought back to the JPA Board for consideration as legislation should be cost effective to ratepayers; Water Quality Policy: the third principle related to sound science for developing water quality standards should be brought back to the JPA Board for consideration.

No action was taken on this item: the JPA Board requested this item be brought back in June with the requested modifications.

7. BOARD COMMENTS

Director Steinhardt discussed the great partnership the agency has with Las Virgenes Unified School District (LVUSD) and stated the school district had posted the EPA meeting information to their web page. Director Caspary added LVUSD's Superintendent and two of their Board Members had brainstormed together in regards to the web posting.

Director Polan stated while he was at the CASA Conference use of Facebook and Twitter was discussed as they yield a large number of responses (Las Virgenes utilizes both forms of social media), notified the JPA Board he had distributed close to three hundred fliers in his community related to the May 1, 2013, EPA TMDL Workshop and that he had written a comment letter to The Acorn, which they did not publish. Director Caspary thanked staff for their work on the TMDL comment letter, for notifying the community about the workshop, and stated he had contacted Cindy Lin (EPA) and Jenny Newman (Regional Water Quality Control Board) to thank them for putting on the workshop and reiterated his concerns about the TMDL. Director Iceland also thanked staff for showing support to the community and stated he and Triunfo Legal Counsel Mathews did not receive a response from Cindy Lin in regards to their questions. Director Orkney stated Administering Agent/General Manager Pedersen gave an outstanding/low key presentation, Cindy Lin did not address the JPA's unique situation, EPA and Regional Board discussions were general, not specific to our issue. Director Paule expressed his appreciation to staff, presentation was posted to Triunfo's web page, and stated the make-up tour for the Malibu Creek Watershed has been scheduled for Saturday, June 1st. Director Steinhardt stated he spoke to Cindy Lin and that she had never been to the Malibu Creek Watershed. Chair McReynolds thanked staff and stated he also spoke to Cindy Lin regarding science/cost.

8. FUTURE AGENDA ITEMS

Director Iceland requested an energy report be provided after the budget is approved.

9. INFORMATION ITEMS

A Responses to Questions Related to the EPA Benthic Macroinvertebrate TMDL

B Tapia Water Reclamation Facility: Lease of Recreation Land

C Tapia Water Reclamation Facility Alternative Disinfection Project: Review, Ratification and Approval of Change Orders

ITEM 5A

10. CLOSED SESSION

The meeting convened into Closed Session at 7:10 p.m.

A Conference with District Counsel - Existing Litigation:

1. Heal the Bay, Inc. v. Lisa P. Jackson

B Conference with District Counsel - Potential Litigation (Government Code Section 54956.9): One Case

1. In the opinion of District Counsel, disclosure of the identity of the litigant would be prejudicial to the agency.

11. ADJOURNMENT

The meeting reconvened into Open Session at 7:47 p.m.

Triunfo Legal Counsel Mathews reported the JPA Board of Directors had discussed existing litigation in the matter of Heal the Bay, Inc. v. Lisa P. Jackson; and that potential litigation had not been discussed. No reportable actions were taken during Closed Session.

Chair McReynolds declared the meeting adjourned at 7:48 p.m.

Michael McReynolds, Chair

ATTEST:

Charles Caspary, Vice Chair

June 3, 2013 JPA Board Meeting

TO: JPA Board of Directors
FROM: Facilities & Operations

Subject: Engineering Services for Agoura Road Recycled Water Pipeline Project from Ladyface Court to Cornell Road

SUMMARY:

The Agoura Road "Gap" project was identified in the 2007 Recycled Water Master Plan Update. The purpose of the project is to close a gap in the recycled water distribution system to provide redundancy, improve reliability, and serve future customers along the "gap". The scope of work in the 2007 Master Plan included installation of 9,250 linear feet of 8-inch pipeline from Ladyface Court to Lewis Road.

The City of Agoura Hills (City) is currently planning to widen Agoura Road from Ladyface Court to Cornell Road, which presents an opportunity to install the pipeline within the same reach at a reduced cost by combining the two construction projects to realize savings from mobilization, traffic control and pavement restoration, and to reduce impacts to the public. The proposed project includes installation of 5,100 linear feet of 8-inch recycled water pipeline from Ladyface Court to Cornell Road, which is about 55% of the original scope identified in the 2007 Master Plan Update.

The District obtained three proposals for engineering services from Kimley-Horn & Associates, Inc. (Kimley-Horn), HDR and Kennedy/Jenks Consultants. Kimley-Horn is currently under contract with the City to provide civil engineering design services for the street widening improvements along Agoura Road. Kimley-Horn is recommended for the engineering services for the recycled water pipeline due to its competitive proposal and ability to better coordinate services with the City's project.

RECOMMENDATION(S):

Accept the proposal from Kimley-Horn & Associates, Inc. for engineering services for the Agoura Road Recycled Water Pipeline Project from Ladyface Court to Cornell Road in an amount not to exceed \$79,000 and authorize the General Manager to execute a professional services agreement for the work; and appropriate \$100,000 for the engineering services for the project.

FINANCIAL IMPACT:

Since there is no budget for the project in the Fiscal Year 2012-13 budget, an appropriation of \$100,000 is needed for the engineering services.

DISCUSSION:

Following is a summary of the proposals.

Firm	Design Phase		Bid Phase		Construction Phase		Total
	Hours	\$	Hours	\$	Hours	\$	
HDR	489	\$76,700	18	\$3,916	109	\$17,620	\$98,236
Kennedy/Jenks	342	\$53,785	54	\$9,073	193	\$30,943	\$93,800
Kimley-Horn	378	\$65,900	25	\$3,200	55	\$6,900	\$79,000

The attached technical memorandum provides expected demands, construction cost estimates, and a review of the potential savings if the street widening and recycled water pipeline projects are constructed together as a single project administered by the City. The savings range from \$723,380 to \$903,920, resulting in

estimated construction costs of \$361,080 to \$541,620. Significant savings can be realized by taking advantage of the opportunity to include the pipeline work with the City's project. Following opening of construction bids for the combined project, the JPA can decide whether or not to accept or reject the bid for the pipeline portion of the project depending on the actual cost-savings realized.

Prepared By: Lindsay Cao, P.E., Associate Engineer

ATTACHMENTS:

[Tech Memo 8" REW Agoura Road](#)

**TECHNICAL MEMORANDUM
AGOURA ROAD RECYCLED WATER (REW) PIPELINE EXTENSION**

Introduction

The 2007 District Master Plan recommended that an 8-inch pipeline be installed in the Agoura Road corridor to close a 1.75 mile gap in the REW distribution system and to serve existing and future customers on both sides of Agoura Road (see Figure 1). The Master Plan had concluded the cost of the proposed REW pipeline would be more than the \$5,500/acre-foot benchmark currently used for evaluating REW system expansions. The Master Plan also concluded the proposed Agoura Road REW pipeline extension would improve system hydraulics and reliability by providing redundancy, allowing the existing, larger 24-inch pipeline to be temporarily removed from service during low demand periods for inspection, testing, or repair.

Approximately one mile of this proposed pipeline is within the limits of a proposed City of Agoura Hills Road Widening project. The City plans to provide two travel lanes in each direction, from the westerly city limits (near Ladyface Ct.) to Cornell Road. Construction is scheduled before the end of 2013. Because of the road construction project, there is potential for significant cost savings, if the pipeline is constructed together with the road widening project. The road project also means that the City's moratorium on pavement cuts might preclude subsequent construction of a pipeline within the road for several years.

This study is to answer the following questions:

- What is the current projection of recycled water demand in the vicinity of Agoura Road between Ladyface Ct. and Cornell Road?
- Based on updated demand, what is the updated construction cost and potential savings for the installation of REW pipeline from Ladyface Ct. to Cornell Road concurrently with the City's Road Widening project?
- What is the recommendation based on this study?

Recycled Water Demand

The 2005 TEA Study and the 2007 Recycled Water Master Plan identified a number of potential recycled water customers along the Agoura Road Corridor and a total REW demand of 42.1 acre-feet per year based on parcel information/size from Ladyface Court to Lewis Road.

Staff updated the 2007 estimate by utilizing GIS information, measuring the irrigation areas within the parcels and applying unit irrigation demand to vacant parcels. Irrigation area(s) in each lot were identified along the proposed REW pipeline route (see Figure 2), and an acre-foot-per year (AFY) flow was assigned using criteria from the Agoura Road Recycled Water Pipeline Alignment Report (LVMWD #2128.05). Table 1 lists revised REW demands within the Road Widening project. The updated demands are 60.7 AFY (Appendix A).

Table 1.

Updated Recycled Water Demand: Agoura Rd. from Ladyface Ct. to Cornell Rd.

	Major Irrigation Parcels	Descriptions	Potential Demands (AFY)
1	Other Potential Irrigation Demand	See Figure 2. North side of Agoura Road from Ladyface Court to Cornell Rd.	27.8
2	Commercial retail	Agoura Road SS between Media Creek & Kanan Road	3.5
3	Business park – M (Patrician Kanan Tr.)	Agoura Road NS 2000' E. Ladyface Circle	3.3
4	Specific plan (Vejar)	Agoura Road SS – 2500' w/Kanan Road	26.1
		Total	60.7

Construction Cost/Economic Feasibility

In the 2005 TEA study, Kennedy/Jenks Consultants compared the \$5,500 AFY benchmark for REW pipeline extensions to the net revenue of recycled water over a 30 year period. It concluded that the present worth of the net revenue for recycled water service is \$11,200 per AFY and suggested future REW system expansion standard should be evaluated between \$5,500 and \$11,200 based on case specific conditions. The "Gap" project identified in the 2005 TEA study and the 2007 Master Plan included installation of 9,250 linear feet of 8-inch REW pipeline at an estimated construction cost of \$2,300,000 in 2007. The current proposed scope within the limits of road construction includes the installation of 5,100 linear feet of 8-inch REW pipeline, which will accomplish 55% of the "Gap" Project. Based on the 2007 Master Plan estimate, the current scope will cost \$1,265,000¹ for construction. The District will realize savings up to \$230,000 if the recycled water pipeline is constructed along with the Agoura Road Widening Project. The amount of savings is based on the 2007 Master Plan Update cost estimates for paving and traffic control. However, 65% of the 2007 estimate was for engineering, contingency, construction overhead, and profit. Staff received a proposal for the engineering design of the REW pipeline for \$79,000 as compared to the \$600,000 in the 2007 Master Plan for engineering and contingency. Staff also realized much of the construction mobilization, demobilization, overhead and profit can be reduced if the pipeline is constructed concurrently with the Road Widening project.

Staff reviewed the construction cost (\$177/foot) for the 16-inch Backbone Agoura Road Pipeline Project completed several years ago and estimated the construction cost for the proposed 8-inch REW pipeline. The cost of the proposed 8-inch REW pipeline will be in the range of 40% to 60% of the 16-inch, or \$361,080 to \$541,620 if the construction takes place concurrently with the Road Widening construction. The updated estimate is based on the fact that an 8-inch REW pipeline is 4 times smaller in capacity than the 16-inch pipeline and uses 50% less pipe material and 35% less backfill materials. The road reconstruction will remove the pavement and its base

¹ The cost estimate is based on Recycled Water Master Plan Update 2007, Appendix D, Agoura Road Gap Project.

materials for pipeline construction. Any excavated soils can also be used for road grading and provide additional savings to the pipeline construction.

Table 2 updates economic feasibility of the proposed recycled water pipeline installation. If the project takes place within the same stretch as the Agoura Road Widening, the cost of construction ranges from \$ 5,948 - \$8,922 per acre-foot. This amount exceeds the District benchmark of \$5,500 AFY but is within the \$11,200 net present worth for 30 years of REW revenue. The cost of the pipe is relatively high in terms of annual sales revenue produced, and significant demand for recycled water may not materialize in this area in the near future.

Table 2
Economic Feasibility Updates

	Agoura Road Gap (2007 Master Plan)	Same Stretch as Agoura Road Widening	Currently Proposed - Installed Same time as Agoura Road Widening Project
Total Length	9,250 feet	5,100 feet	5,100 feet
Total Cost	\$2,300,000	\$1,265,000	\$361,080 - \$541,620
Estimated Demand	42.1 AFY	60.7 AFY	60.7 AFY
<u>\$/AF-year</u>	\$54,632/AFY	\$20,840/AFY	\$5,948 - \$8,922/AFY

In 2012, the District completed the installation of 8,232 feet of 16 inch pipeline and 2,112 feet of 18-inch pipeline in Agoura Road/Reyes Adobe Road. Recycled waterlines are treated as sewer lines for the purpose of meeting horizontal and vertical separation requirements from potable pipelines. Although the option to construct potable and recycled pipelines at the same time was considered, it was deemed to not be feasible because there were no economic benefits. It would have required two separate trenches and caused more traffic control difficulties. Staff has determined that it is more economically feasible to implement the current proposed scope with the City's

widening project because it will reduce the District's cost by reducing paving, traffic control, and demobilization and avoid impact to the public by preventing excavating the street multiple times in the future.

Staff also reviewed if the proposed REW pipeline extension can be utilized as a part of the proposed REW pipeline extension that would serve the proposed Triangle Ranch and Medea Valley as recommended in the 2007 Master Plan update. Staff has concluded that any REW services to Triangle Ranch and Medea Valley would likely use Agoura Road east of Cornell Road. The current construction limits of the proposed REW extension would not be part the REW distribution system to Triangle Ranch and Medea Valley (see Figure 1).

Recommendation

Although the \$5,948 - \$8,922/AFY cost of REW pipeline extension from Ladyface to Cornell Road exceeds the current benchmark of \$5,500/AFY, it is still within the \$11,200 net present worth of 30 years of recycled water service revenue in the TEA study. The construction of the proposed REW pipeline together with the future REW pipeline that serves Triangle Ranch and Medea Valley will provide significant redundancy and reliability to the recycled water system to the west side of the District and TSD service area. Staff has received an engineering proposal for construction design in the amount of \$79,000. It is recommended that the construction design be awarded in order to obtain construction bids. Based on the amount of bids received, the JPA Board can then decide if significant savings can be realized and if the construction bid for the proposed REW pipeline should be awarded. Staff will work with the City of Agoura Hills staff to structure the pipeline bid as a part of the road construction bid and will give options for the JPA Board to either accept or reject the pipeline bid.

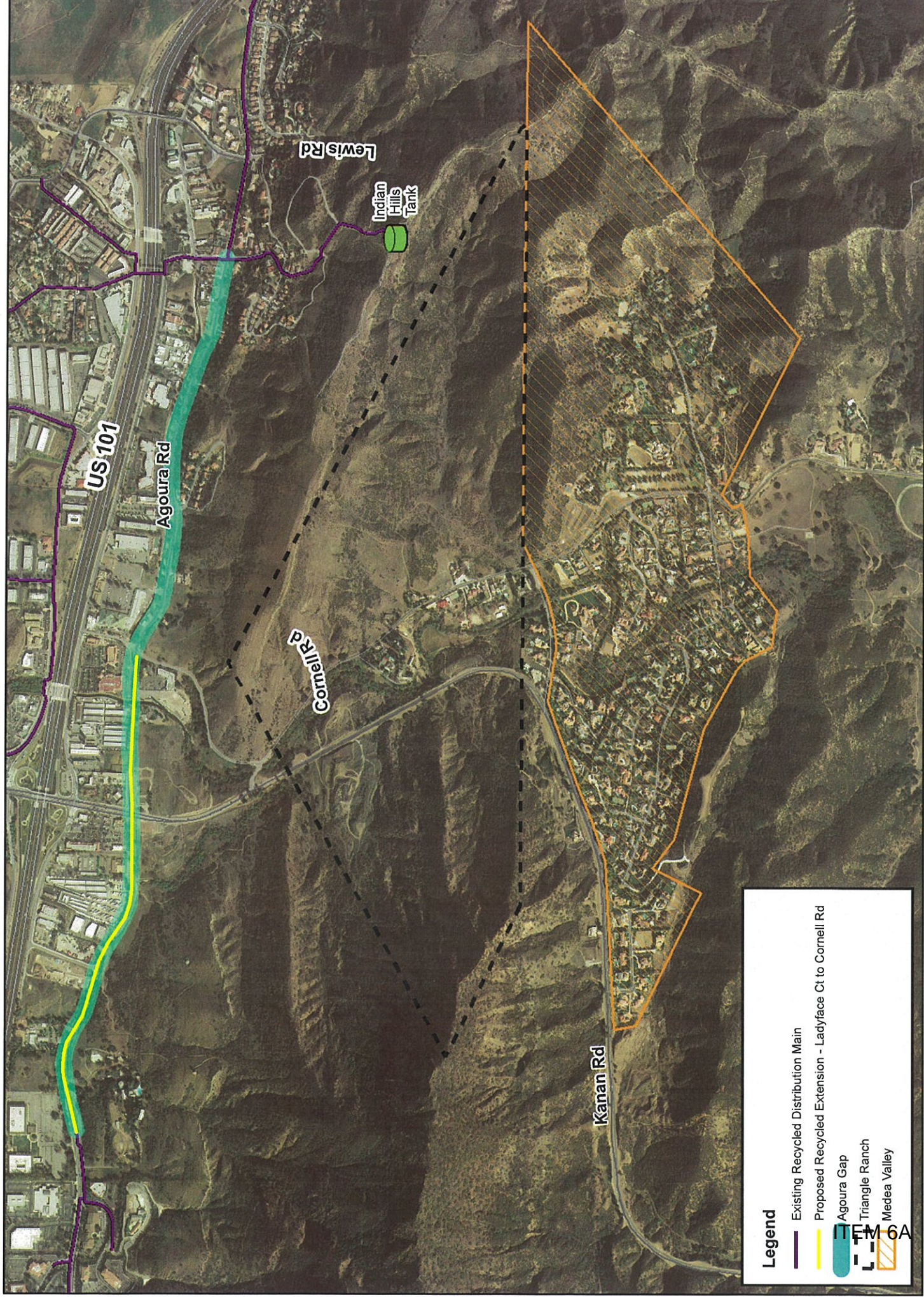





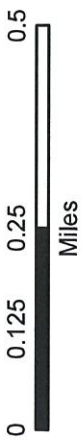


Figure 1. Agoura Gap - Recycled

Legend

-  Existing Recycled Distribution Main
-  Proposed Recycled Extension - Ladyface Ct to Cornell Rd
-  Agoura Gap
-  Triangle Ranch
-  Medea Valley



ITEM 6A

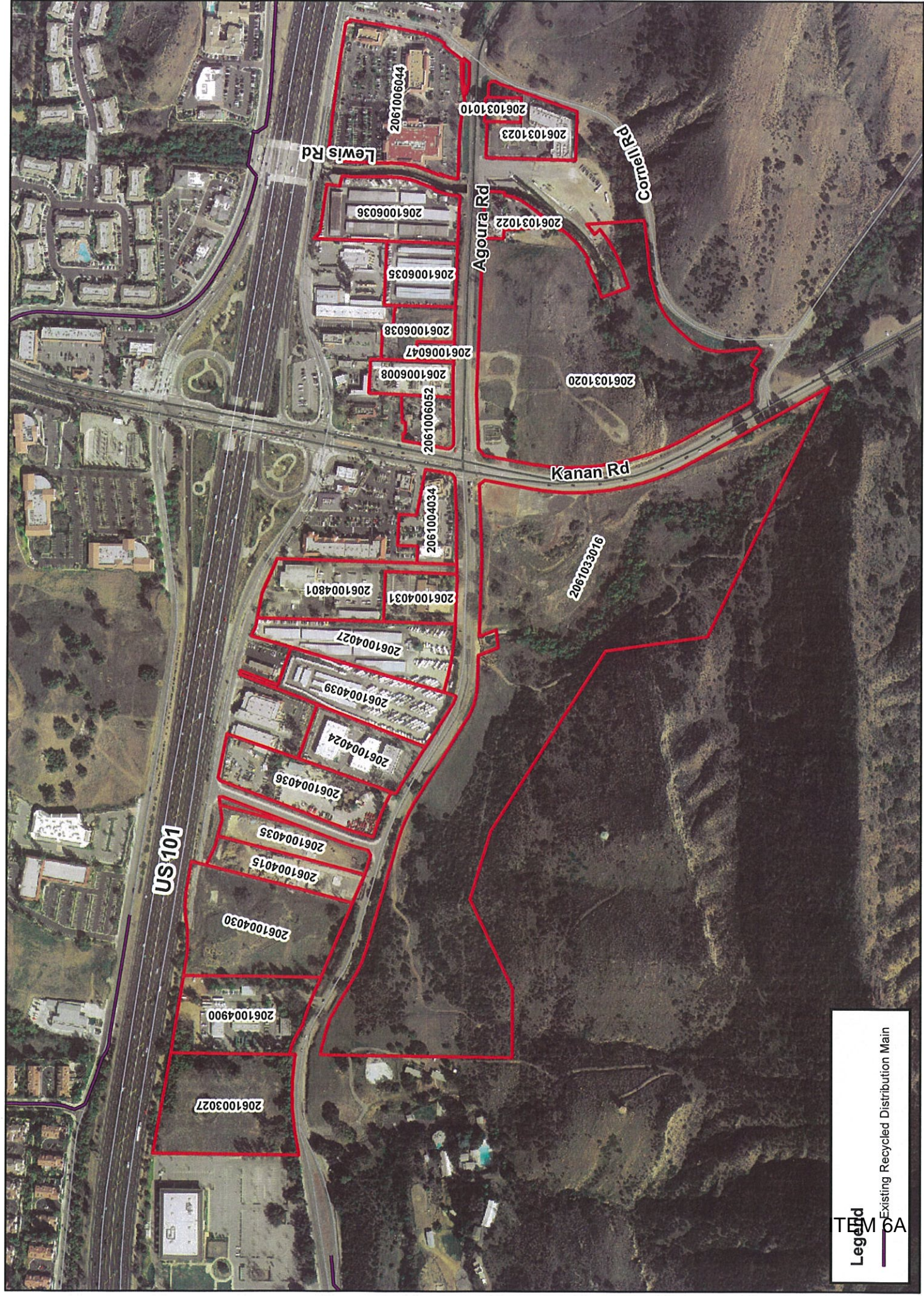
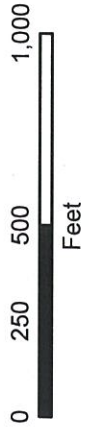


Figure 2. Potential Irrigation Customers

Legend

— Existing Recycled Distribution Main



**Appendix A
Estimated Usage for Agoura Road Widening Alignment**

AIN_1	st_owner_A	SA_House_J SA_Street_	Built_SO_F Shape_Area	IrrigableA (\$ (Acres)	Irrigation A	Irrigation Demand	Comment	
					(AFY)			
2061004801	PACIFIC BELL	0	132340.82	28001.32	0.64	1.93		
2061006036	CONEJO VALLEY U-STORE-IT	29055 AGOURA RD	0	136896.92	0.00	0.00	0.00 Storage Facility	
2061004030	GENERAL ELECTRIC CREDIT EQUITIES	0	246215.79	47916.00	1.10	3.30	Vacant Land ¹ , identified in the Master Plan	
2061004034	MOREHART LAND CO	29271 AGOURA RD	0	67209.83	0.37	1.12		
2061006038	ARTINIAN FAMILY LIMITED	0	49868.20	41443.20	0.19	0.57	Vacant Land ²	
2061031010	MALAMUT, MICHAEL L	29008 AGOURA RD	3340	14934.09	4857.65	0.33		
2061004900	L A COUNTY	29525 AGOURA RD	0	167833.23	92558.68	2.12	6.37	
2061031020	SHUMAN ASSOCIATES	0	807441.42	50965.00	1.17	3.51	Vacant Land ¹ , identified in the Master Plan	
2061006047	MOYSE, SHEMA	0	12286.94	2457.39	0.06	0.17	Vacant Land ²	
2061031022	WHIZIN, BRUCE F	29100 AGOURA RD	1489	33812.42	12249.39	0.28	0.84	
2061031023	AGOURA SHOPPING CENTER	29020 AGOURA RD	19830	83221.59	22368.63	0.51	1.54	Also AIN, -024
2061004031	WESTLAKE LUTHERAN CHURCH	29295 AGOURA RD	11476	60922.84	18627.50	0.43	1.28	
2061006035	CONEJO VALLEY U-STORE-IT	29101 AGOURA RD	30600	76831.66	3762.00	0.09	0.26	Storage Facility
2061033016	CREEKSIDE TERRACE	0	1619337.64	378972.50	8.71	26.12	Vacant Land ¹ , identified in the Master Plan	
2061003027	AGOURA LANDMARK LP	0	225207.39	45041.48	1.03	3.10	Vacant Land ²	
2061006044	KIDS FROM THE VALLEY V LLC	29045 AGOURA RD	0	289783.44	69080.63	1.59	4.76	
2061004027	LAS VIRGENES PROPERTIES	29301 AGOURA RD	0	147964.03	0.00	0.00	0.00 Storage Yard	
2061004015	SDG ASSOCIATES LLC	29439 AGOURA RD	1235	78374.30	15674.86	0.36	1.08	Vacant Land ²
2061004024	KIDS FROM THE VALLEY VI LLC	29395 AGOURA RD	0	104054.21	15251.67	0.35	1.05	
2061004036	SDG ASSOCIATES LLC	29403 AGOURA RD	1366	144209.06	20138.62	0.46	1.39	Storage Yard - They don't use much water
2061004035	SDG ASSOCIATES LLC	29431 AGOURA RD	1368	73098.29	14619.66	0.34	1.01	Vacant Lot
2061006052	KANAN PROPERTIES EAST LLC	5000 KANAN RD	2614	41735.43	14554.79	0.33	1.00	
2061006008	ADAMS, MELVIN A AND RUTH TRS	29149 AGOURA RD	0	48936.55	0.00	0.00	0.00 Equipment yard?	
2061004039	LAS VIRGENES PROPERTIES	0	145760.28	0.00	0.00	0.00	0.00 Storage Yard	
Total					20.25	60.74		

Notes:

- 1 Recycled Water Master Plan Update 2007
- 2 Vacant Land Irrigation Area: 6%-20% of the vacant lot, based on LVMWD # 2118.05 and the District 2007 Recycled Water Master Plan; apply 20% of the total area

June 3, 2013 JPA Board Meeting

TO: JPA Board of Directors

FROM: Resource Conservation & Public Outreach

Subject: Proposed Legislative Policy Principles

SUMMARY:

The proposed Legislative Policy Principles were first discussed with the Board at its May 6, 2013 meeting. At that time, staff was directed to incorporate language recognizing cost in relation to benefits for a number of the policy principles.

Attached for the Board's consideration are both red-lined and clean versions containing the revised language.

RECOMMENDATION(S):

Approve the proposed Legislative Policy Principles.

FINANCIAL IMPACT:

There is no financial impact associated with this action.

Prepared By: Carlos Reyes, Director of Resource Conservation and Public Outreach

ATTACHMENTS:

[Legislative Policy Principles - Draft](#)

[Legislative Policy Principles - Draft with Redlines](#)

LAS VIRGENES – TRIUNFO JOINT POWERS AUTHORITY (JPA) LEGISLATIVE POLICY PRINCIPLES

Proposed Draft 06/03/12

- **Biosolids:**
SUPPORT legislation and regulations that advance effective treatment and disposal of wastewater biosolids.
- **Climate Change:**
SUPPORT legislation that advances federal and state policy to provide incentive and financial assistance for local investment in measures to mitigate the potential effects of climate change
- **Conservation:**
SUPPORT legislation that provides resources for the expanded use of recycled water, encourages local agencies and private enterprises to implement water conservation and recycled water projects, and maintains or improves existing plumbing standards to allow for expanded use of recycled water.
- **Energy Management:**
SUPPORT legislation and energy policies that assist in providing cost-effective wastewater treatment, recycled water distribution and biosolids processing.

SUPPORT legislation that provides incentives for implementing renewable energy sources to replace fossil fuel consumption in providing products and services for the public.

OPPOSE energy legislation or regulations that will impair or inhibit the JPA from providing its core services.

- **Environmental Policy:**
SUPPORT legislation that serves to achieve and maintain a healthful environment and to enhance the quality of life for Californians, with due recognition to cost in relation to benefits and the challenges of providing wastewater treatment services within the JPA's unique and diverse service area.

SUPPORT legislation that advances the beneficial reuse of water and treated wastewater residuals.

OPPOSE legislation or regulations that mandate the construction of capital facilities for conditions that are not directly linked to JPA operations.

OPPOSE legislation or regulations that mandate the construction of capital facilities for processes that are not scientifically supported, experimental, or unproven.

SUPPORT legislation, regulations and/or research that would seek to control or eliminate threats posed by invasive species.

OPPOSE legislation and regulations not supported by sound scientific evidence.

SUPPORT legislation and regulations to incorporate evaluations of cost and available technology when developing regulatory standards.

ITEM 6B

- **Fiscal Policy:**
SUPPORT legislation that provides increased funding for the planning, design, and construction of water reclamation projects; research and development of alternative wastewater treatment processes; and financial assistance where federal and state law mandates capital projects to meet reasonable, scientifically-supported water quality standards.

SUPPORT legislation and/or regulatory policies that reflect opportunities for cost savings, consistent with the JPA's stated goals, policies and operating procedures.

SUPPORT legislation for direct funding, shared funding and grant funding for the study, design and/or construction of JPA infrastructure.

OPPOSE legislation that transfers funding, income or revenues away from the JPA.

OPPOSE legislation that would reduce or eliminate the existing tax incentives applicable to bonds or other debt instruments currently utilized by public agencies.

- **Recycled Water:**
SUPPORT legislation that encourages increased use of recycled water, including opportunities for direct and indirect potable reuse.

SUPPORT legislation that would allow, promote, or enhance recycled water delivery operations to meet changing conditions of water supply and demand.

- **Regulatory Streamlining:**
SUPPORT legislation that promotes simplification and/or consolidation of environmental planning and reporting requirements, without compromising the integrity of environmental protections.

- **Source Water Protection:**
SUPPORT legislation that provides funding to implement comprehensive watershed management programs necessary to protect water bodies in the JPA's watershed from contamination.

- **Watershed Management:**
SUPPORT the development of watershed management plans addressing all water resources management objectives, including source-water quality improvement, water supply reliability, flood protection, and ecosystem restoration.

- **Water Quality:**
SUPPORT legislation that provides resources for researching the potential effects of contaminants found in recycled water, wastewater, and biosolids residuals and developing associated treatment technologies.

OPPOSE legislation or regulations that mandate numeric and narrative water quality standards that bypass the established regulatory, scientific and public review processes, or which provides cleanup waivers for known contaminants.

SUPPORT legislation that would utilize sound science for developing water quality standards and provide appropriate funding for the investigation and treatment for constituents of concern with due recognition to cost in relation to benefits.

LAS VIRGENES – TRIUNFO JOINT POWERS AUTHORITY (JPA) LEGISLATIVE POLICY PRINCIPLES

Proposed Draft **05/06/13**
06/03/13

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SUPPORT legislation that would utilize sound science for developing water quality standards and provide appropriate funding for the investigation and treatment for constituents of concern with due recognition to cost in relation to benefits.

June 3, 2013 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Woodland Hills Country Club Recycled Water System Extension

SUMMARY:

At the February 7, 2011 JPA Board meeting, staff presented the concept of the JPA supplying wholesale recycled water to the City of Los Angeles (City) for use in the West Valley. Recently, the City reached an agreement with the Woodland Hills Country Club for the purchase and use of recycled water. The agreement provides an "anchor" customer for the Woodland Hills extension. Short-term demands are estimated at 300 acre-feet per year with potential long-term demands of 1,000 acre-year for the area.

Draft wholesale purchase and capital facility agreements need to be developed between the JPA and the City to set the terms and conditions of sale of the recycled water and capital facility construction. The attached staff report provides details and an analysis of the proposed extension.

RECOMMENDATION(S):

Authorize staff to develop draft wholesale purchase and capital facility agreements between the JPA and the City of Los Angeles for the Woodland Hills Country Club Recycled Water System Extension.

FINANCIAL IMPACT:

None at this time; developing the draft agreements requires only staff time.

Prepared By: David R. Lippman, Director of Facilities and Operations

June 3, 2013 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Initial Study and Negative Declaration for SCADA Communication Upgrade

Las Virgenes-Triunfo Joint Powers Authority approved funding for this matter in the Joint Powers Authority Budget. The Las Virgenes Board, as the administering agent, received and filed the SCADA Communication Upgrade Study Preliminary Engineering Report (LVMWD Report No. 2520.00); approved the Initial Study and Negative Declaration for the Water Distribution System High Speed Radio Upgrade Project (LVMWD Report No. 2521.00); authorized staff to file a Notice of Determination for the project with the Los Angeles County Clerk; and accepted the proposal from and authorized the General Manager to execute a professional services agreement with MSO Technologies, Inc., for engineering design services in the amount of \$93,900 for the first phase of the project at the April 23, 2013 meeting.

SUMMARY:

On August 9, 2011, the Las Virgenes Board authorized the preparation of a SCADA Communication Upgrade Study by MSO Technologies, Inc. (MSO). A Preliminary Engineering Report for the study was completed on June 15, 2012. Based on the improvements identified in the Preliminary Engineering Report, staff prepared an Initial Study and Negative Declaration for the proposed project. Additionally, staff obtained a proposal from MSO to perform engineering design services in the amount of \$93,900, including preparing construction plans and specifications, for the first phase of the proposed project.

FINANCIAL IMPACT:

Engineering design services for the first phase of the project will be funded through CIP Project No. 10520 with a Fiscal Year 2012-13 budget of \$46,550 for the JPA's share of the project. The remaining work for the project will be budgeted in future fiscal years, beginning with Fiscal Year 2013-14.

DISCUSSION:**Preliminary Engineering Report:**

The Preliminary Engineering Report identifies the need for significant upgrades to the District's wired and wireless Supervisory Control and Data Acquisition (SCADA) network. The existing network system provides communication for the District's potable water, recycled water, and composting facilities. Compared with current wireless technologies, the existing system is technically limited, has surpassed its expected life, and has been affected by frequent outages associated with phone lines. The report proposes upgrades to the District's SCADA network to establish a high speed wireless ethernet backhaul network between major facilities and communication repeater sites. The new backhaul network will provide significantly increased speed and bandwidth, multiple communication pathways for improved reliability, and a foundation from which to extend ethernet connectivity to remote field sites. Due to the overall cost of the project and budgetary considerations, staff recommends that the project be implemented utilizing a four-year, phased approach (see attached project phasing diagram).

Initial Study and Negative Declaration:

Consistent with the District's Administrative Code and California Environmental Quality Act, an Initial Study and Negative Declaration (IS/ND) were prepared to determine the extent and nature of effects the project may have on the environment, if any. It was determined that the proposed project would not have significant effects on the environment. The Draft IS/ND was released on January 15, 2013 for a 30-day review and comment period by the general public, state agencies, cities, and other agencies in the vicinity of the proposed work. During the review period, comment letters were received from the State Clearinghouse, Native American Heritage Commission, County of Los Angeles Fire Department, California Department of Fish and Wildlife, City of Agoura Hills, County of Los Angeles Department of Public Works, and **NEED OR**

Service (NPS). The seven comment letters and our responses were included in the final draft IS/ND. Based on the comments received, no significant changes were required to the draft IS/ND.

While the majority of the letters expressed no concerns, the City of Agoura and NPS responded with a number of comments. The City of Agoura Hills expressed concern with the potential aesthetic impact of an additional pole mast on the Agoura Pump Station. Staff will make an effort to shorten the pole during the installation process as long as it remains tall enough to have a direct line of sight for the radio signal. NPS expressed concern about formalizing the existing lease at the Castro Peak site, and staff has agreed to work with NPS staff on that issue before proceeding with the proposed modifications at the site.

Proposal for Engineering Design Services:

MSO, the District's SCADA system integrator, set up the existing communication system many years ago and has intimate knowledge of the system, protocol, hardware and security needs. Staff reviewed the proposal from MSO and determined that it includes a reasonable level-of-effort for the work and competitive rates. As with most SCADA system upgrade projects, proposals from new vendors would not likely be competitive due to the large upfront cost of becoming familiar with the existing backbone communication system. Therefore, staff recommends acceptance of the proposal from MSO (see attached copy) for the first phase of the project.

Prepared By: Megan Trott, Junior Engineer

ATTACHMENTS:

[MSO SCADA Proposal](#)

[SCADA Phases Project Diagram](#)

December 10, 2012

Las Virgenes Municipal Water District
Michael McIntyre
4232 Las Virgenes Road
Calabasas, CA 91302-1994

REF: SCADA Network Upgrade Phase 1

Dear Michael:

MSO is pleased to offer our engineering design services proposal for the first phase of the SCADA Network Upgrade Project. Our proposal is based on the *SCADA Communication System Review Preliminary Engineering Report (PER)* dated February 1, 2012, subsequent review meetings with District personnel, and your Phase 1 diagram.

The report outlines significant upgrades to the District's wired and wireless SCADA network in order to establish a high speed wireless Ethernet backhaul network between major facilities and communication repeater sites. The new backhaul network will provide significantly increased speed and bandwidth, multiple paths for improved reliability, and a foundation from which to extend Ethernet to the remote field sites. Due to budget considerations the District chose to implement the upgrade in a phased multi-year approach. This proposal addresses the first phase. Phase one includes the following sites and paths as determined by the District.

Site	To	Connection Type
District Headquarters	Lower Oaks Tank	High Speed Backhaul
Lower Oaks Tank	Upper Oaks Tank	High Speed Backhaul
Upper Oaks Tank	LV2 PS	High Speed Backhaul
	Parkway PS	Remote Link
	Upper/Lower Oaks PS	Remote Link
LV2 PS	Warner Tank	High Speed Backhaul
	Twin Lakes PS	Remote Link
	Lift Station #1	Remote Link
	Lift Station #2	Remote Link
	Warner PS	Remote Link
Warner Tank	Twin Lakes Tank	High Speed Backhaul
Twin Lakes Tank	LV-1 Flow Meter	Remote Link
	Upper Twin Lakes PS	Remote Link
Upper Woolsey Tank	To be determined	Remote Link
Twin Lakes PS	To be determined	Remote Link

Although the sites to be implemented in phase one are limited to those listed above, our proposal includes time to visit all backhaul network sites. The intent is to determine if one or a few generic designs are possible to service all backhaul sites to simplify future phases.

Several of the phase one paths were not evaluated in the field during preparation of the PER and will require field work to verify working paths exist. These sites include Upper Woolsey Tank, Twin Lakes PS (via LV3 PRV possibly), and Upper Twin Lakes PS. Upper Woolsey Tank may

Michael McIntyre
 Las Virgenes Municipal Water District
 SCADA Network Upgrade Phase 1 Design

need to be eliminated from consideration due to lack of potential paths without construction of a new repeater site. The District will be responsible for providing boom truck and crew for field path evaluations.

Phase 1 Detailed Design		Units	Rate	Cost
1	Audit backhaul and phase one remote sites for installation requirements	40	\$135	\$5,400
2	Review existing DC power systems and design new or upgrade system as required	80	\$135	\$10,800
3	Design network topology, specify network equipment (routers, switches, Ethernet/serial bridges), IP address map	100	\$135	\$13,500
4	Design and specify radio masts, antennas, and radios	60	\$135	\$8,100
5	Prepare detailed design drawings for District's bid package and provide as-built post installation.	100	\$135	\$13,500
6	Reimbursable expenses (mileage)	1	\$1,000	\$1,000
			Subtotal	\$52,300
Phase 1 Additional Path Testing		Units	Rate	Cost
1	Path evaluation for sites near Twin Lakes Tank (Upper Woolsey Tank, Twin Lakes PS, Upper Twin Lakes PS)	80	\$145	\$11,600
2	Reimbursable expenses (MSO van and mileage)	1	\$1,000	\$1,000
3	Tower crew and boom truck (provided by LVMWD)	0	\$20,000	\$ 0
			Subtotal	\$12,600
Phase 1 Commissioning Services		Units	Rate	Cost
1	Construction supervision services (bid/RFI response, submittal review, installation supervision)	80	\$135	\$10,800
2	Commissioning and configuration services	120	\$135	\$16,200
3	Reimbursable expenses (MSO van and mileage)	1	\$2,000	\$2,000
			Subtotal	\$29,000
			TOTAL	\$93,900

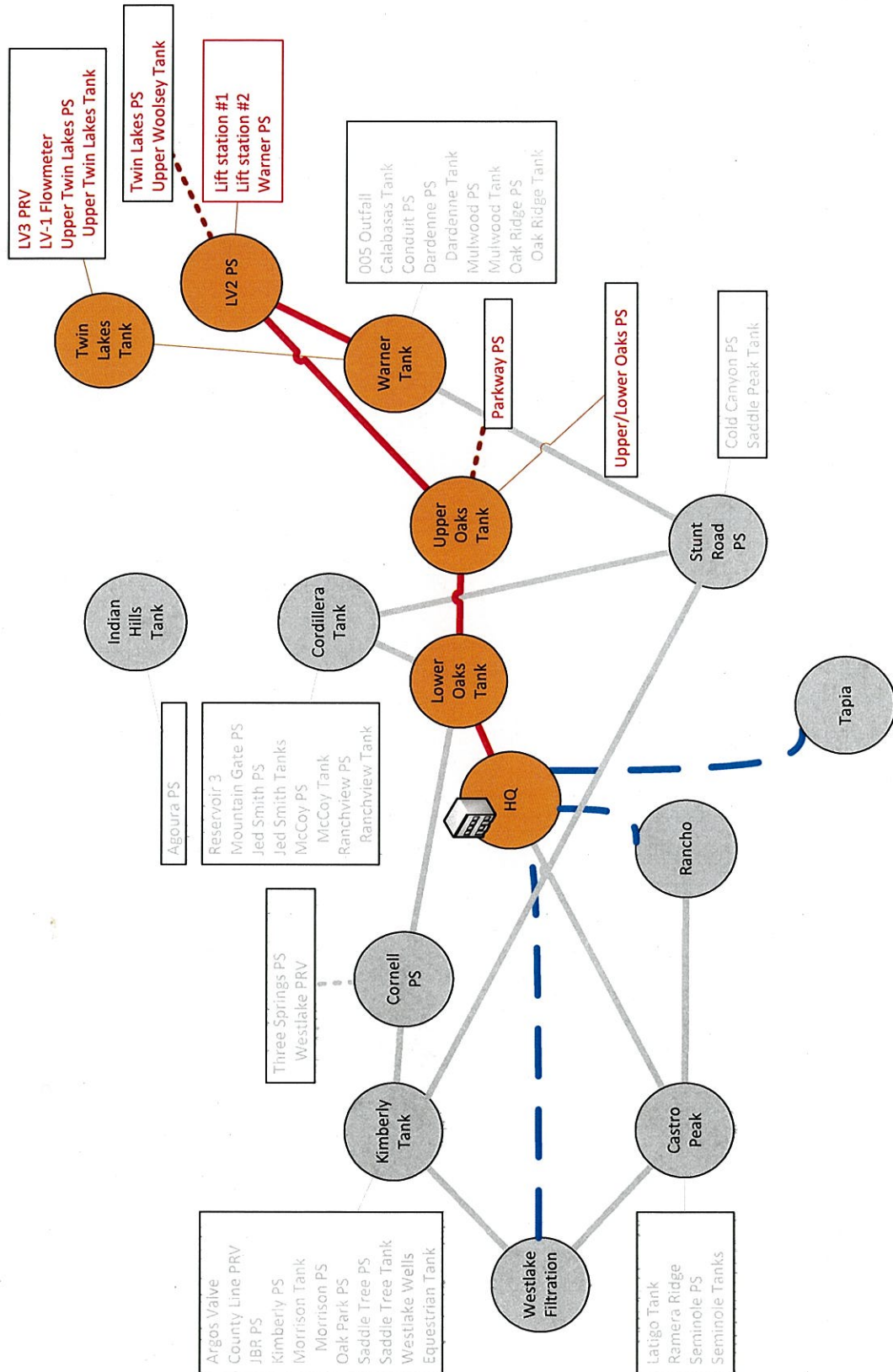
Sincerely,

MSO Technologies

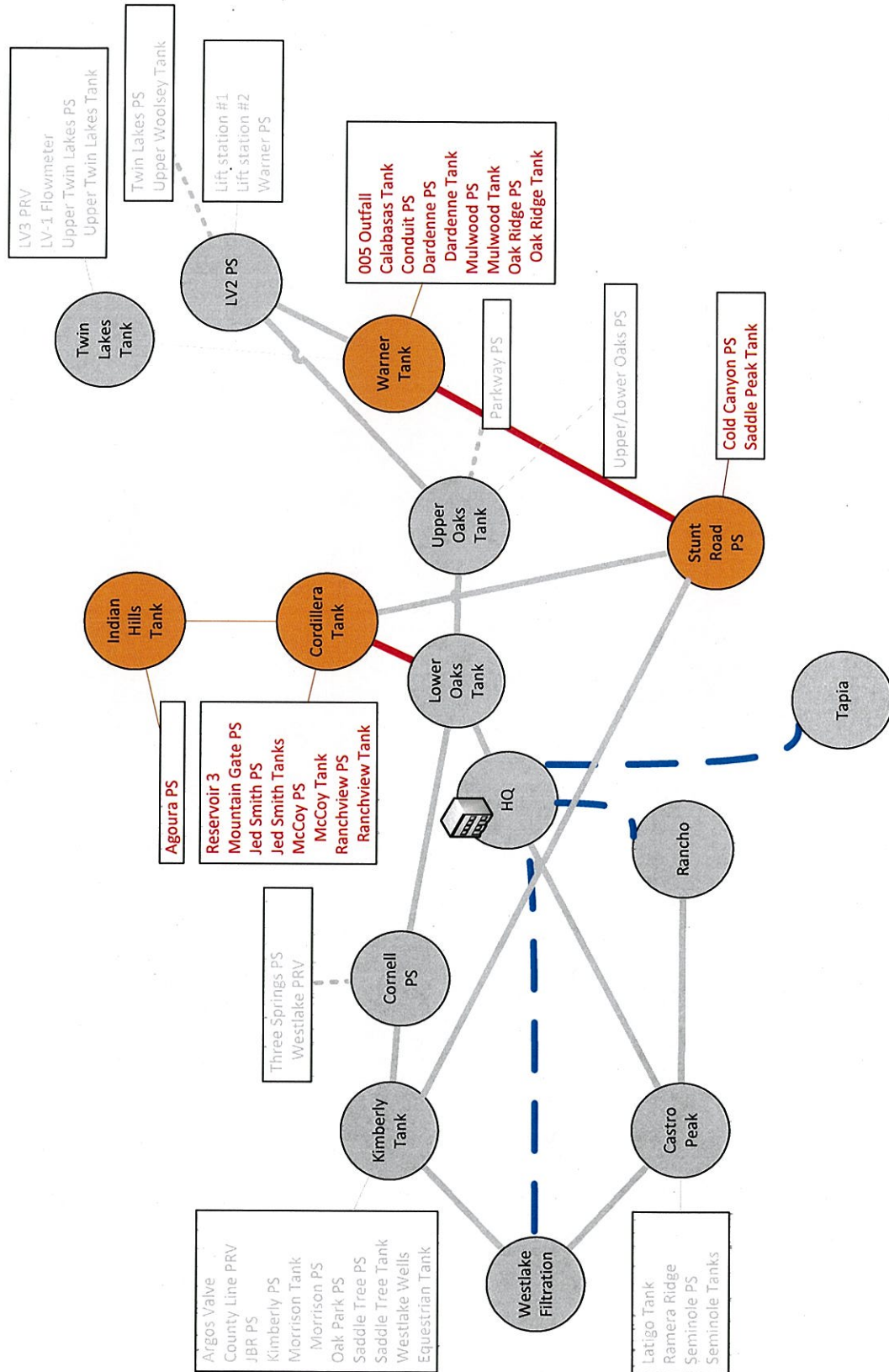


David Patrick, PE

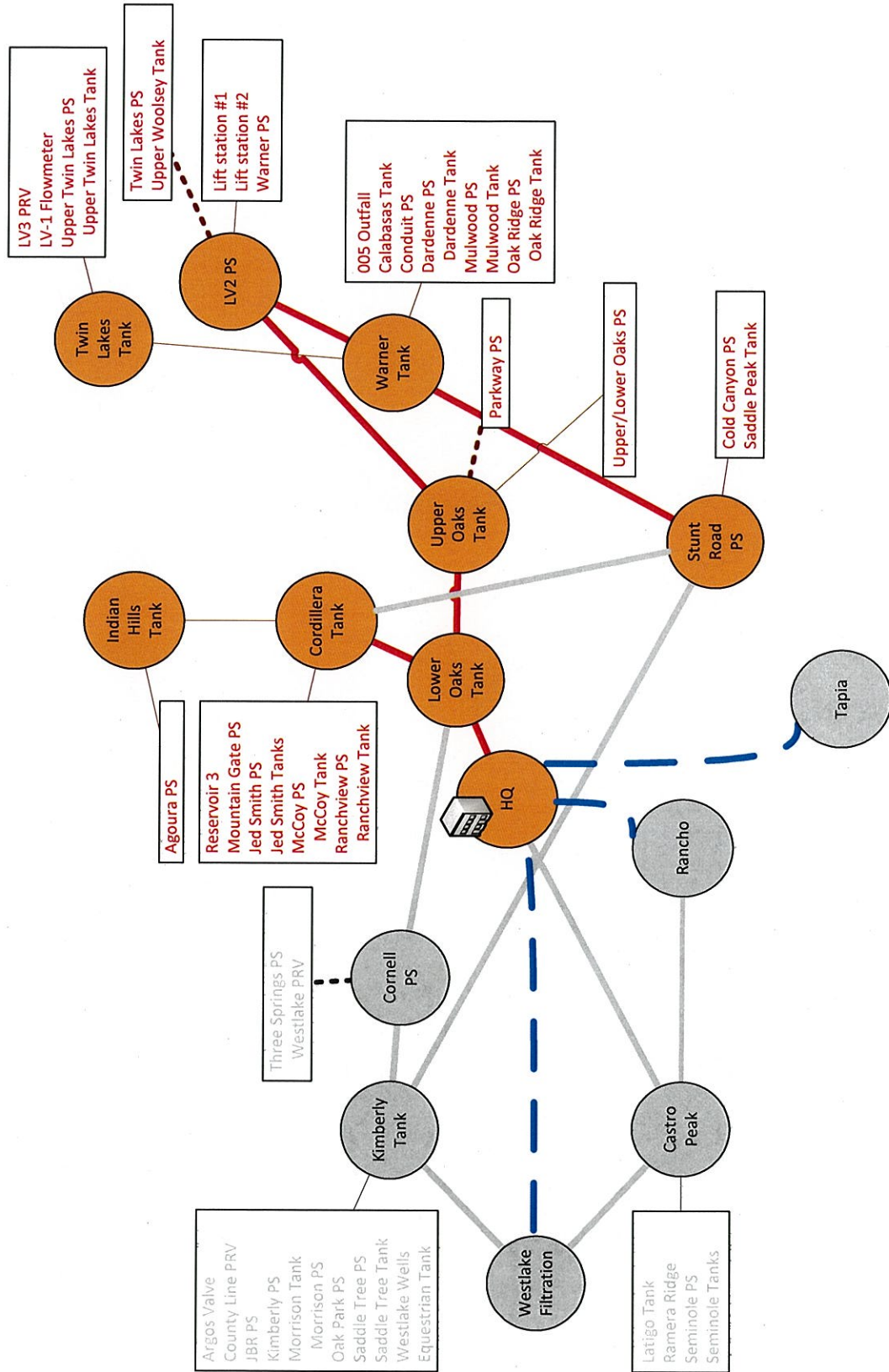
High Speed Backhaul & iNET – PHASE 1



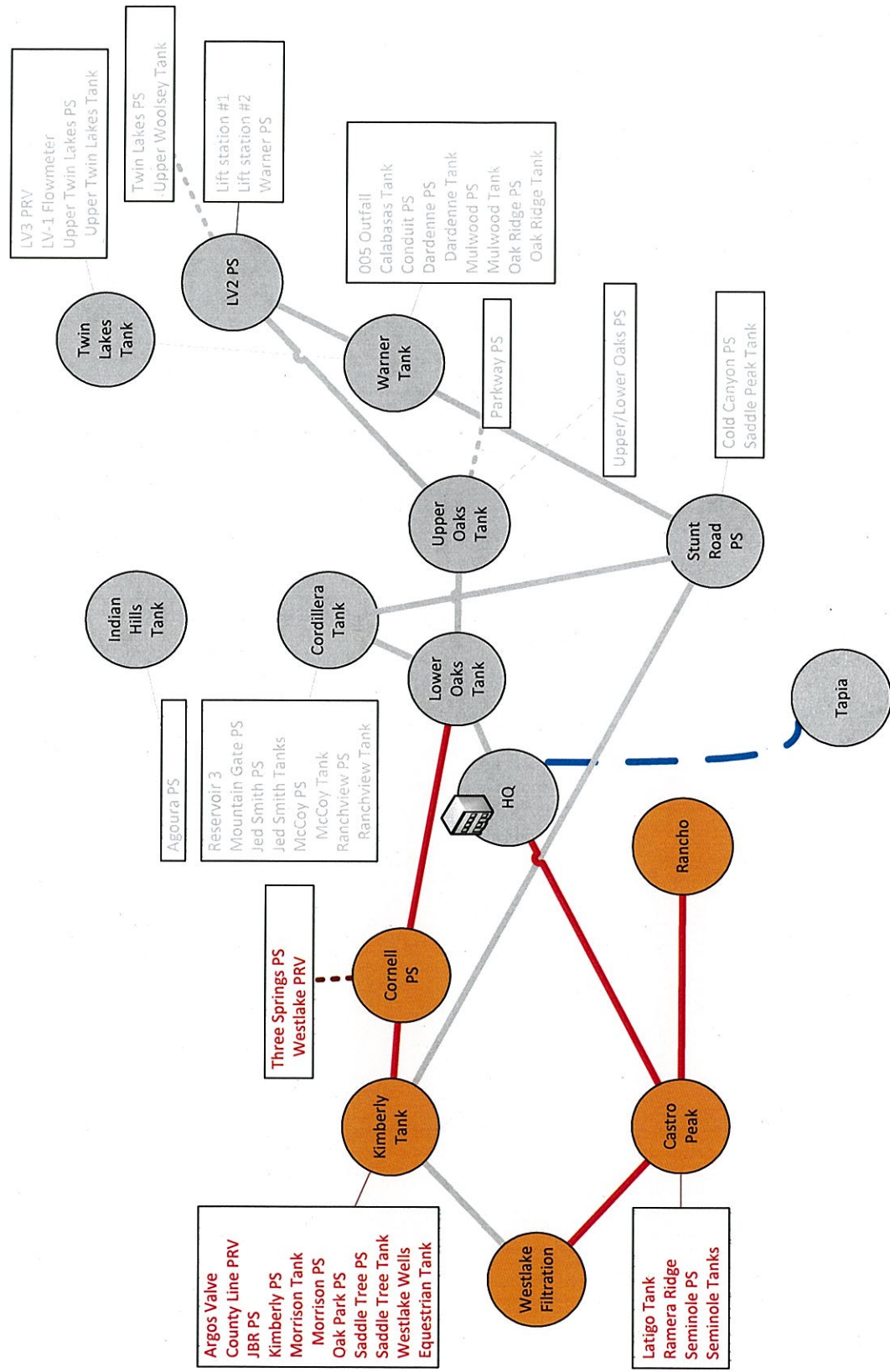
High Speed Backhaul & iNET – PHASE 2



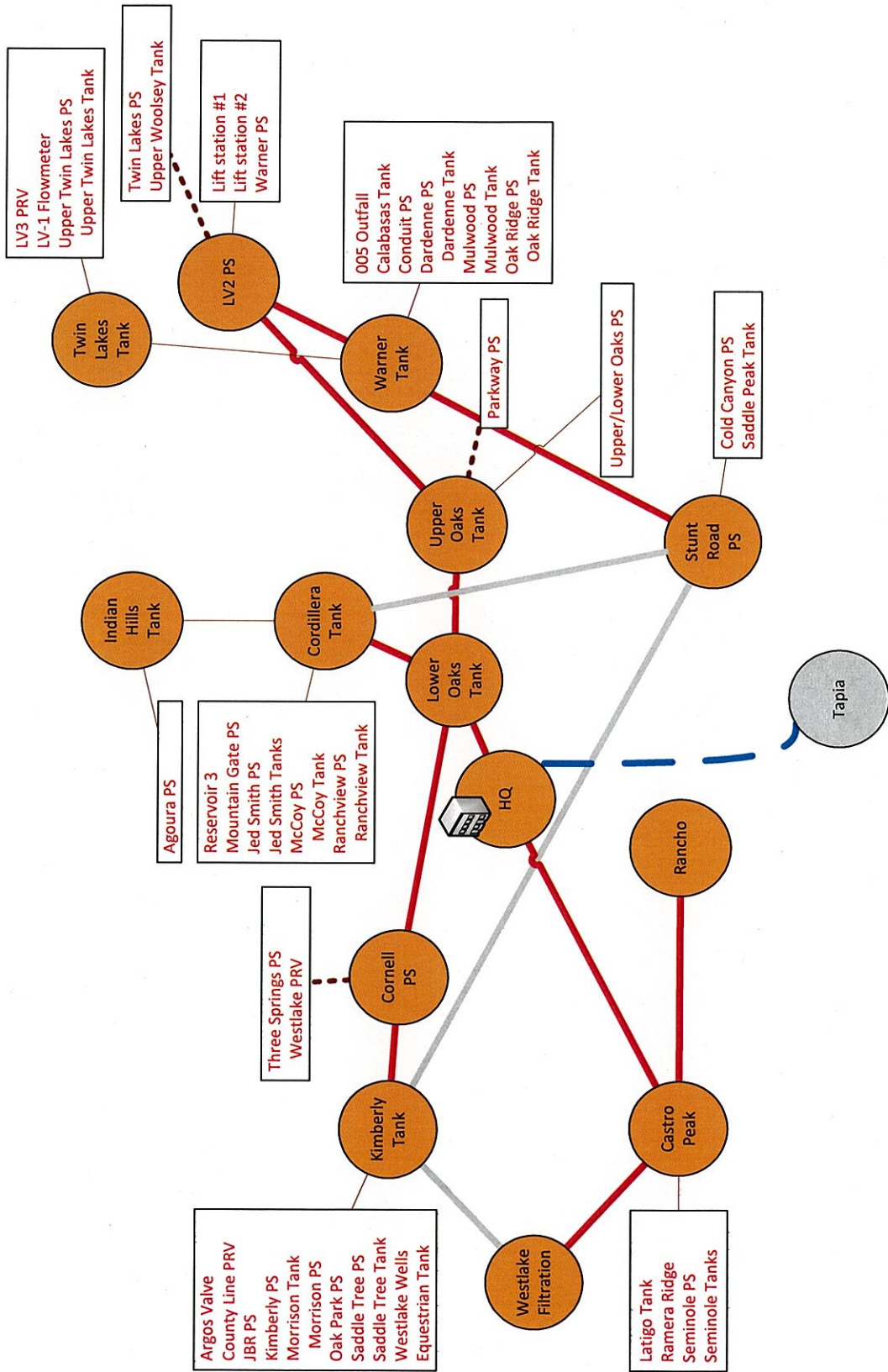
High Speed Backhaul & iNET – PHASE 2a



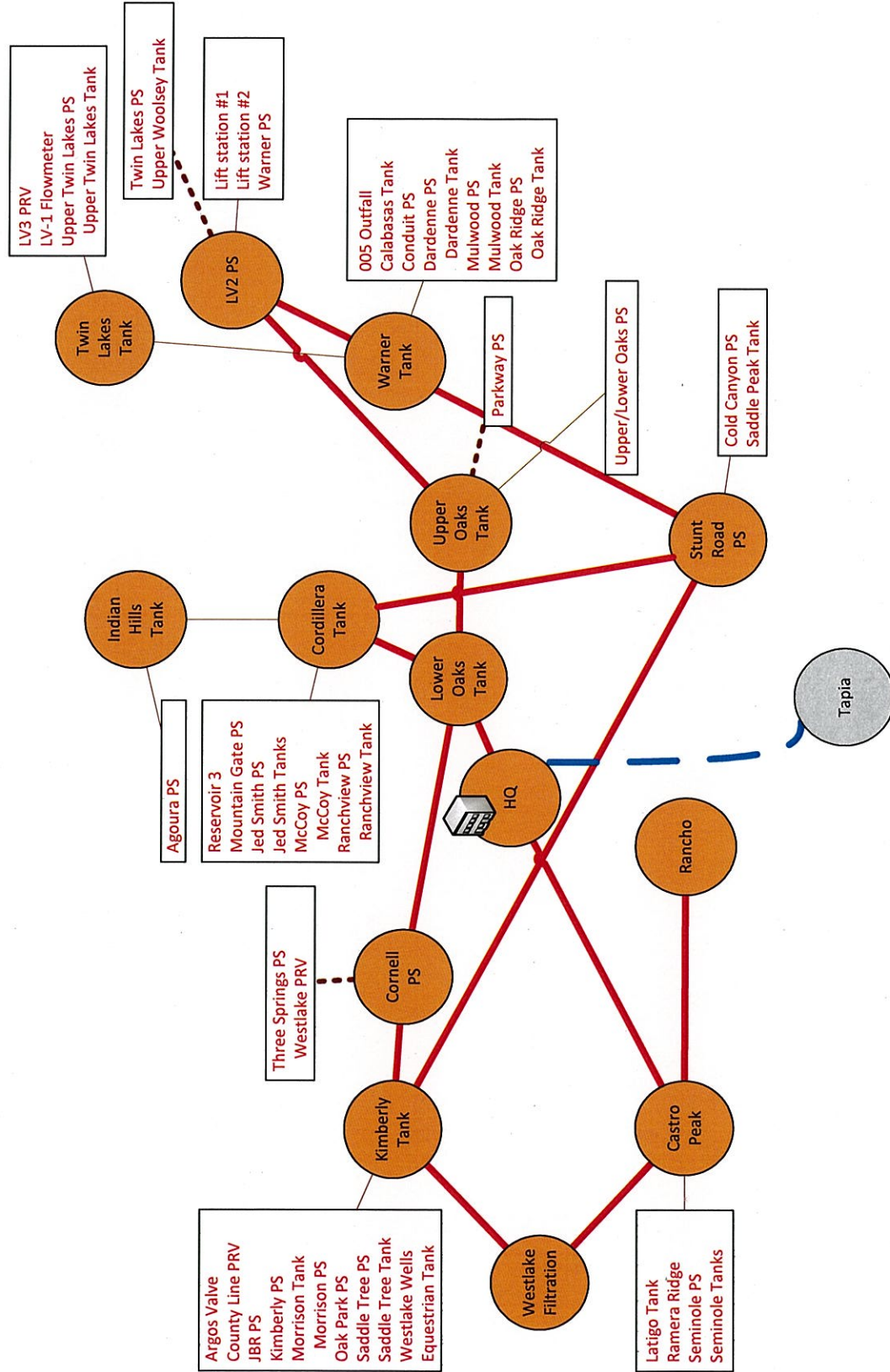
High Speed Backhaul & iNET – PHASE 3



High Speed Backhaul & iNET – PHASE 3a



High Speed Backhaul & iNET – PHASE 4a



June 3, 2013 JPA Board Meeting

TO: JPA Board of Directors

FROM: Facilities & Operations

Subject: Tapia Water Reclamation Facility Alternative Disinfection Project: Ratification of Change Order No. 5

Las Virgenes-Triunfo Joint Powers Authority approved funding for this matter in the Joint Powers Authority Budget. The Las Virgenes Board, as the administering agent, ratified the Administering Agent/General Manager's administrative approval of Change Order No. 5 for the Tapia Water Reclamation Facility Alternative Disinfection Project in the amount of \$8,662.02 with a 45 consecutive calendar day time extension at its May 14, 2013 meeting.

SUMMARY:

Change Order No. 5 in the amount of \$8,662.02 was administratively approved by the Administering Agent/General Manager for the Tapia Water Reclamation Facility Alternative Disinfection Project. Approval of the change order required ratification by the Board in accordance with District policy due to the 45-day time extension.

FINANCIAL IMPACT:

The Fiscal Year 2012-13 Budget provides funding for Tapia Alternative Disinfection Improvements under CIP Job No. 10457 in the amount of \$1,428,532. Sufficient funds are available for this change order, and no additional appropriation is needed at this time.

DISCUSSION:

Change Order No. 5 was administratively approved by the General Manager in the amount of \$8,662.02 with a 45-day time extension. The original contract called for three remote programmable logic controller (PLC) panels for the chemical pumps and tanks. Change Order No. 3 was approved to eliminate the three remote panels and provide one master panel with all of the PLC components. The change was approved to reduce the overall amount of control equipment requiring on-going maintenance and potential future replacement. The contractor credited the entire amount for the three remote panels (\$25,874.76) and charged for the new master panel and associated wiring (\$40,096.53). The total amount of Change Order No. 3 was \$14,457.35 after several minor additional items (\$235.58) were included.

After Change Order No. 3 was approved, staff determined that the associated design submittal included new control equipment (power supply, lights and relays for the panel) that did not conform to the project specifications. Because approved change orders take precedence over the original contract specifications and drawings, Change Order No. 5 was required to bring the new control equipment into conformance with the project specifications. The change order was reviewed by MWH and MSO, consulting engineers for the project, and deemed to be necessary and reasonable.

To prevent a recurrence of this incident, staff will ensure that design submittals for all change orders conform to the original project specifications before approving the change orders.

Prepared By: Brett Dingman, Water Reclamation Manager

ATTACHMENTS:

[Change Order # 5](#)

[Change Order # 5 Letter](#)



CONTRACT CHANGE ORDER
No. 5

4232 Las Virgenes Road
Calabasas, California 91302-1994

Project Tapia WRF Alternative Disinfection Project

Project No. Acct. No.10457.1880.505

Contractor GSE Construction, Inc.

Date April 2, 2013

CONTRACTOR CHANGE ORDER NO. 5 The Contractor is hereby authorized and directed to make the herein described changes from the Plans and Specifications or do the following work not included in the Plans and Specifications for the construction of this project.

This change requested by: GSE Construction, Inc.

DESCRIPTION OF CHANGE:

Description	Amount	Days
This change order covers the cost and additional time required to substitute some of the materials which were approved under change order # 3. Some of the proposed materials did not meet project specifications. Since the original components (replaced by change order # 3) were credited back to the District, this change order adds the costs back into the contract to receive acceptable components.	\$7,716.61	45
This funding accounts for additional charges for the rental of temporary stairs. Change Order # 1 covered the cost of installation of the stairs and the first sixty days of rental. This amount covers the additional stair rental from November thru March when the new permanent stairs were installed.	\$945.41	0
TOTAL	\$8,662.02	45

INCREASES
TOTAL AT AGREED PRICES OR FORCE ACCOUNT \$8,662.02
DECREASES

Contract Change Order No. 5 Project No. _____ Acct. No. 10457.1880.505

Date April 2, 2013

(2) Estimate of increases and/or decreases in contract items at contract unit prices:

INCREASES				
Item	Description	Quantity	Unit Price	Total
				TOTAL INCREASES <u>\$none</u>

DECREASES				
Item	Description	Quantity	Unit Price	Total
				TOTAL DECREASES <u>\$none</u>

TOTAL NET _____ IN CONTRACT ITEMS AT CONTRACT UNIT PRICES \$none

TOTAL COST OF THIS CHANGE ORDER \$ 8,662.02 INCREASE

DECREASE

It is agreed 45 consecutive calendar days extension of time will be allowed by reason of this change.

Recommended by
Brett Dingman
Brett Dingman
Water Reclamation Manager

Departmental Approval
David R. Lippman
David R. Lippman
Director of Facilities and Operations

ACCEPTED:
TJ Clark
By: TJ Clark

APPROVED:
Las Virgenes Municipal Water District
By: David W. Pedersen
David Pedersen, General Manager

Date: 4-2-2013

Date: 04/09/13

Note: Attention is called to the sections of the Special Provisions and Standard Provisions on EXTRA, ADDITIONAL OR OMITTED WORK.

- THIS CHANGE ORDER IS NOT EFFECTIVE UNTIL APPROVED BY OWNER
- IF ACCEPTABLE TO THE CONTRACTOR, THIS CHANGE ORDER IS EFFECTIVE IMMEDIATELY



C O N S T R U C T I O N

Document 631-LTC-17

Brett Dingman
Las Virgenes Municipal Water District
4232 Las Virgenes Road
Calabasas, CA 91302

RE: Proposed Change Order #25
Tapia WRF Alternative Disinfection - 631

Dear Brett Dingman,

We request approval of our Proposed Change Order # 25 for the additional modifications made to the Bill of Materials approved under PCO #8/CO #3. Attached is a break down of the additional costs for your approval and confirm that no other additional changes are going to be made to the BOM and fabrication can begin.

The total cost for this extra work is \$7,716.61

Forty-Five (45) additional days are required as a result of this change and delays to fabrication, delivery and therefore installation.

Respectfully,

Anthony Clark, Project Manager
GSE Construction Co., Inc.

GSE CONSTRUCTION INC.
 PROJECT: TAPIA WRF ALTERNATIVE DISINFECTION PROJECT
 PROJECT No. : 631

DATE: 3/20/2013
 GSE CC PCO # 25
 CLIENTS CO #

CHANGE ORDER CALCULATION

DESCRIPTION OF CHANGE		Additional Cost to modify Control Panels per Submittal 24 R-1 Response												
DESCRIPTION	QUANTITY	UNIT	UNIT PRICES			LABOR				DIRECT COSTS			TOTAL DIRECT COST	
			EQUIP.	MATERIAL	LABOR	EQUIP.	HOURS	RATE	EQUIP.	MATERIAL	LABOR	SUBCONTRACT		
COLEMAN ELECTRIC														
Control Panels	1	LS	\$0	\$0	0	0.0			\$0	\$0	\$0	\$7,133.71	\$7,133.71	
Sales tax									\$0	\$0	\$0	\$0	\$0	
TOTALS						0.0	#DIV/0!		\$0	\$0	\$0	\$7,133.71	\$7,133.71	
MARKUP EQUIPMENT		15 %							\$0	\$0	\$0	\$0	\$0	
MARKUP MATERIALS		15 %							\$0	\$0	\$0	\$0	\$0	
MARKUP ON LABOR		15 %									\$357	\$357	\$357	
MARKUP SUBCONTRACTS		5 %										\$75	\$75	
BOND and INSURANCE (all risk)		1 %										\$161.31	\$161.31	
Allowance for Small Tools		2 %										\$142.71	\$142.71	
TOTAL CHANGE COST												\$7,716.61	\$7,716.61	



3-17-2013

EW#8

Sub#24 response changes in BOM

Reference: **Submittal #24 response and Attach 1 BOM'S**

Coleman-Pacific/ACSE provided an alternate design to the Control System. The proposal was based on a Bill of Material created on 11-20-12 by ACSE. (See Attached)

The review Submittal#24, has changed the material we listed in our proposal. This EW is for the changed material the engineer is asking us to incorporate into our design. See Attached

Spreadsheet 3/17/2013

A Labor	JYMN	0.00	hrs x \$75.66	\$0.00		
	Bryan	4.00	hrs x \$81.58	\$326.32		
Total hours		4.00				
				SUBTOTAL LABOR	326.32	
				MARKUP	15%	
					48.95	
				TOTAL LABOR COSTS	375.27	
C Subcontractor	ACSE AA-LCP-003			\$1,958.97		
	ACSE SBS-LCP-001			\$1,958.97		
	ACSE SVHC-LCP-001			\$1,958.97		
					MARKUP	15%
					\$881.54	
				TOTAL SUBCONTRACTOR COSTS	\$6,758.45	
Equipment						
D	Truck Cal-trans #00-06	0.00	hrs. \$19.98			
					MARKUP	15%
					\$0.00	
				TOTAL equipment COSTS	\$0.00	
E					TOTAL A+B+C+D	\$7,133.71

Tapia Panels Proposed BOM
 * 11-20-12

PANELS

DESCRIPTION	MANUFACTURER	PART NUMBER	QTY	COST @	EXTENDED	Comments
ENCLOSURE NAME 4X 48x36x08	Hoffman	A48H3608SSLP	1	\$ 3,990.00	\$ 3,990.00	
BACK PANEL	Hoffman	A48P36	1	\$ 299.00	\$ 299.00	
Panel Light	Hoffman	LF120V15-28	1	\$ 249.00	\$ 249.00	
KEYLOCKED LATCH	Hoffman	AL2CR	1	\$ 189.00	\$ 189.00	
REMOTE I/O	Medicon	170PMT11020	4	\$ 225.00	\$ 890.00	
MODBUS+ TAP	Medicon	990NAD230 00	4	\$ 31.92	\$ 124.32	
COMMUNICATION CABLES	Medicon	170MCK020	3	\$ 31.92	\$ 95.76	LENGTH 20 METER
MODBUS+ T CONNECTOR	Medicon	170XTS020 00	4	\$ 112.88	\$ 451.44	00R BASE
MODBUS+ TERMINATOR	Medicon	170XTS021 00	1	\$ 23.88	\$ 23.88	
TERMINAL POINTS	Medicon	170XTS00401	4	\$ 36.00	\$ 144.00	
DIGITAL INPUT 32 PTS	Medicon	170AD035000	1	\$ 272.00	\$ 272.00	
DIGITAL OUTPUT 16 PTS	Medicon	170AD035000	1	\$ 392.00	\$ 392.00	
ANALOG INPUT 16 PTS	Medicon	170A114000	1	\$ 656.83	\$ 656.83	
ANALOG OUTPUT 4 PTS	Medicon	170A092100	2	\$ 780.00	\$ 1,560.00	
POSITION SELECTOR SWITCH	SQ D	900ISK311BH1	4	\$ 102.00	\$ 408.00	
PILOT LIGHT	SQ D	900ISK11	4	\$ 131.00	\$ 524.00	
DC POWER SUPPLY	SOLA	SDMS-24-100P	1	\$ 163.00	\$ 163.00	
NAME PLATES	N/A	Misc	3	\$ 10.00	\$ 30.00	
CB	PHOENIX	902072	3	\$ 45.00	\$ 135.00	
FB	PHOENIX	3004100	6	\$ 12.00	\$ 72.00	
TB	PHOENIX	3004102	100	\$ 2.00	\$ 200.00	
RELAYS & Sockets	IDEC	RH2B-UJSH2B	8	\$ 24.00	\$ 192.00	
WW	PANDUIT	3240199	1	\$ 12.00	\$ 12.00	
DIN RAIL	PHOENIX	801733	2	\$ 16.00	\$ 32.00	
WIRE	HOUSTON WIRE	AWG#14	1	\$ 50.00	\$ 50.00	
TOTAL MATERIAL					\$ 11,199.23	
LABOR			8	\$ 87.00	\$ 696.00	
CAD AND DESIGN			32	\$ 87.00	\$ 2,784.00	
ASSEMBLY AND WIRING						
TOTAL LABOR					\$ 3,480.00	

Original BOM for
 Proposed change order

Tapia BOM adjustment due to Submittal #24 response

DESCRIPTION	MANUFACTURER	PART NUMBER	QTY.	COST @	EXTENDED	Comments
Power supply/diant Module	Sola	SDN5-24-100P	1	\$ 75.90	\$ 75.90	
Power Supply	Sola	SDN5-24-100P	1	\$ 289.00	\$ 289.00	
Panel light, LED type, Amber	Siemens	52BL4E9XY	5	\$ 120.00	\$ 600.00	
Panel light, LED type, Green	Siemens	52BL4E9XY	2	\$ 120.00	\$ 240.00	
Relay	Idcc	RH3B-ULCAG120V	8	\$ 34.98	\$ 279.84	
Relay Socket	Modicon	SH3B-05	8	\$ 14.21	\$ 113.68	
credit for single type relays			8	\$ (14.00)	\$ (112.00)	
credit for single type sockets			8	\$ (5.00)	\$ (40.00)	
credit for Lights			5	\$ (75.00)	\$ (375.00)	
		sub total material			\$ 1,081.42	
		Tax		9.25%	\$ 100.03	
		Mark-up		15.00%	\$ 177.22	
		Total MATERIAL			\$ 1,358.67	
LABOR						
CAD AND DESIGN			3	\$ 87.00	\$ 261.00	
EXTRA ASSEMBLY AND WIRING			3	\$ 87.00	\$ 261.00	
		Sub LABOR			\$ 522.00	
		Mark-up		15.00%	\$ 78.30	
		Total Labor			\$ 600.30	
		TOTAL PER PANEL			\$ 1,958.97	

Adj BOM

to DUE

Submittal #24 response



C O N S T R U C T I O N

Document 631-LTC-16

Brett Dingman
Las Virgenes Municipal Water District
4232 Las Virgenes Road
Calabasas, CA 91302

RE: Proposed Change Order #24
Tapia WRF Alternative Disinfection - 631

Dear Brett Dingman,

We request approval of our Proposed Change Order # 24 for the additional rental charges for the temporary stairs installed to access top deck.

The total cost for this extra work is \$945.41

No additional time is required as a result of this change.

Respectfully,

A handwritten signature in black ink, appearing to read 'Anthony Clark'.

Anthony Clark, Project Manager
GSE Construction Co., Inc.

GSE CONSTRUCTION INC.
 PROJECT: TAPIA WRF ALTERNATIVE DISINFECTION PROJECT
 PROJECT No. : 631

DATE: 3/14/2013
 GSE CC PCO # 24
 CLIENTS CO #

CHANGE ORDER CALCULATION

DESCRIPTION OF CHANGE:													
BRIEF DESCRIPTION OF CHANGE													
DESCRIPTION	QUANTITY	UNIT	UNIT PRICES			LABOR			DIRECT COSTS			TOTAL DIRECT COST	
			EQUIP.	MATERIAL	LABOR	HOURS	RATE	EQUIP.	MATERIAL	LABOR	SICONTRACT		
CA ACCESS SCAFFOLD													
Additional Rental Charges	1	LS	\$798	\$0	0	0.0			\$798	\$0	\$0	\$0.00	\$798.00
Sales tax										\$0			\$0
TOTALS								0.0	#DIV/0!	\$798	\$0	\$0	\$798.00
MARKUP EQUIPMENT										\$120			\$120
MARKUP MATERIALS											\$0		\$0
MARKUP ON LABOR											\$0		\$0
MARKUP SUBCONTRACTS												\$0	\$0
BOND and INSURANCE (all risk)													\$9
Allowance for Small Tools													\$18.54
TOTAL CHANGE COST													\$945.41

CONTINUATION SHEET

California Access Scaffold, Inc.
 16525 S. Avalon Blvd.
 Carson, CA 90746
 (310) 324-3388

APPLICATION NO: 6
 APPLICATION DATE: 03/11/13
 PERIOD TO: 03/31/13
 PROJECT NO:

INVOICE NO 30750

ITEM NO	DESCRIPTION OF WORK	SUB-CONTRACT VALUE	WORK COMPLETED		ADJUSTMENT	TOTAL COMPLETED TO DATE	%	BALANCE TO FINISH	RETAINAGE @ 0%
			FROM PREVIOUS APPLICATION	THIS PERIOD					
1	Ingress/egress stairway to step off at 13'	1,640	1,640	0	-164	1,476	100%	0	0
2	November rental	133	133	0	0	133	100%	0	0
3	December rental	217	217	0	0	217	100%	0	0
4	January rental	217	217	0	0	217	100%	0	0
5	February rental	196	196	0	0	196	100%	0	0
6	March rental	35	35	0	0	35	100%	0	0
GRAND TOTALS		\$ 2,438	\$ 2,403	\$ 35	\$ 164	\$ 2,438	100%	\$ 0	\$ 0

ADDITIONAL INFORMATION

TO CUSTOMER: GSE Construction
 6950 Preston Ave.
 Livermore, CA 94551

PROJECT: Tapia WRF Alternative Disinfection Project
 731 Matbur Canyon Rd
 Agoura Hills, CA 91301

APPLICATION NO: 6
APPLICATION DATE: 03/11/13
PERIOD THROUGH: 03/31/13
PROJECT NOS: 091212-204

CONTRACTOR: California Access Scaffold, Inc.
 16525 S. Avalon Blvd.
 Carson, CA 90746
 (310) 324-3388

INVOICE NO: 90750
CONTRACT DATE: 09/12/12

Item	Invoice Details	Amount
Item 1	Ingress/egress stairway to step off at 13' Ingress/egress stairway to step off at 13'	\$0.00
Item 2	November rental Rental of stairway at above job site from 11/12/12 through 11/30/12 @ \$7.00/day.	\$0.00
Item 3	December rental Rental of stairway at above job site from 12/01/12 through 12/31/12 @ \$7.00/day.	\$0.00
Item 4	January rental Rental of stairway at above job site from 01/01/13 through 01/31/13 @ \$7.00/day.	\$0.00
Item 5	February rental Rental of stairway at above job site from 02/01/13 through 02/28/13 @ \$7.00/day.	\$0.00
Item 6	March rental Rental of stairway at above job site from 03/01/13 through 03/05/13 @ \$7.00/day.	\$35.00

An interest charge will be made and added to the purchase price thirty days from the invoice date until the date of your payment at the rate of 1.5% per month or the maximum rate allowed in your jurisdiction.



BUILDING A BETTER WORLD

March 14, 2013

Mr. Brett Dingham
Las Virgenes Municipal Water District/
Triunfo Sanitation District Joint Powers Authority
4232 Las Virgenes Road
Calabasas, CA 91302

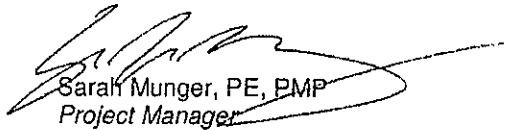
Subject: Change Order No. 3

Dear Mr. Dingham,

During our review of Change Order No. 3 and the subsequent submittals two items stood out as being changed from our specifications. The 10 amp contact rating on the relay contacts and using 3 poles for the control function should both remain as specified. This will provide the District with greater flexibility for future operation.

Please feel free to call me if you have any questions or comments. I can be reached at (626)568-6104 or (626) 696-9820.

Sincerely,


Sarah Munger, PE, PMP
Project Manager

618 Michillinda Avenue
Suite 200
Arcadia, CA 91007

TEL 626 796 9141
FAX 626 568 6101
www.mwhglobal.com

ITEM 9B