

**AGENDA
IRVINE RANCH WATER DISTRICT
BOARD OF DIRECTORS
REGULAR MEETING**

August 26, 2013

PLEDGE OF ALLEGIANCE

CALL TO ORDER 5:00 P.M., Board Room, District Office
15600 Sand Canyon Avenue, Irvine, California

ROLL CALL Directors Matheis, LaMar, Swan, Withers and President Reinhart

NOTICE

If you wish to address the Board on any item, including Consent Calendar items, please file your name with the Secretary. Forms are provided on the lobby table. Remarks are limited to five minutes per speaker on each subject. Consent Calendar items will be acted upon by one motion, without discussion, unless a request is made for specific items to be removed from the Calendar for separate action.

COMMUNICATIONS TO THE BOARD

1. A. Written:
- B. Oral: Mrs. Joan Irvine Smith's assistant relative to the Dyer Road Wellfield.

2. **ITEMS RECEIVED TOO LATE TO BE AGENDIZED**

Recommendation: Determine that the need to discuss and/or take immediate action on item(s) introduced come to the attention of the District subsequent to the agenda being posted.

WORKSHOP

3. **LONG-TERM CAPITAL FINANCING PLAN UPDATE**

Recommendation: That the Board approve the Master Consolidation Plan as presented; authorize staff to proceed with the preliminary draft of the plan of works; and authorize staff to prepare the necessary steps to implement the master consolidation.

CONSENT CALENDAR

Resolution No. 2013-33

Items 4-14

4. **MINUTES OF REGULAR BOARD MEETING**

Recommendation: That the minutes of the August 12, 2013 Regular Board Meeting be approved.

CONSENT CALENDAR - Continued

Resolution No. 2013-33

Items 4-14

5. RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND EVENTS

Recommendation: That the Board ratify/approve the meetings and events for Steven LaMar, Mary Aileen Matheis, Douglas Reinhart, Peer Swan and John Withers.

6. JULY 2013 TREASURY REPORTS

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report and the Monthly Interest Rate Swap Summary for July 2013; approve the July 2013 Summary of Payroll ACH payments in the total amount of \$1,427,106 and approve the July 2013 Accounts Payable Disbursement Summary of Warrants 340674 through 341265, workers' compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$23,742,855.

7. STRATEGIC MEASURES DASHBOARD

Recommendation: That the Board receive and file the Strategic Measures Dashboard and information items.

8. UPCOMING PROJECTS STATUS REPORT

Recommendation: Receive and file.

9. WELL 110 REHABILITATION FINAL ACCEPTANCE

Recommendation: That the Board accept construction of the Well 110 Rehabilitation Project; authorize the General Manager to file a Notice of Completion; and authorize the release of retention to South West Pump and Drilling 35 days after filing of the Notice of Completion.

10. STRAND RANCH RECOVERY FACILITIES PROJECT FINAL ACCEPTANCE

Recommendation: That the Board accept construction of the Strand Ranch Recovery Facilities project 11289 (2812); authorize the filing of a Notice of Completion; and authorize the payment of the retention 35 days after the date of recording the Notice of Completion.

CONSENT CALENDAR - Continued	Resolution No. 2013-33	Items 4-14
11. <u>SYPHON RESERVOIR INTERIM FACILITIES CONTRACT CHANGE ORDER</u>	Recommendation: That the Board approve Contract Change Order No. 3 with Paulus Engineering, Inc. in the credit amount of (\$40,206.12) for Syphon Reservoir Interim Improvements, project 30374 (3729).	
12. <u>PLANNING AREA 40 CYPRESS VILLAGE NEIGHBORHOOD 2G CAPITAL IMPROVEMENTS</u>	Recommendation: That the Board authorize the addition of project 30424 (4528) in the amount of \$108,900 to the FY 2013-14 Capital Budget; and approve an Expenditure Authorization for project 30424 (4528) in the amount of \$108,900 for Planning Area 40 Neighborhood 2G Recycled Water Capital Improvements.	
13. <u>TUSTIN LEGACY VILLAS CAPITAL IMPROVEMENTS</u>	Recommendation: That the Board authorize the addition of project 21153 (4518) in the amount of \$506,000 to the FY 2013-14 Capital Budget; approve an Expenditure Authorization for project 21153 (4518) in the amount of \$506,000; and authorize the General Manager to execute a Supplemental Reimbursement Agreement with Irvine Community Development Company for Tustin Legacy Villas Capital Improvements, project 21153 (4518).	
14. <u>BAKER RANCH PHASE 1B CAPITAL IMPROVEMENTS</u>	Recommendation: That the Board authorize increases to the FY 2013-14 Capital Budget for projects 11662 (4004) and 31662 (4005) in the amounts of \$181,500 and \$38,500, respectively; and approve Expenditure Authorizations for projects 11662 (4004) and 31662 (4005) in the amounts of \$811,800 and \$299,200, respectively, for the Baker Ranch Phase 1B Capital Improvements.	

ACTION CALENDAR	
15. <u>AUTOMATION SUPPORT CONSULTANT SERVICES</u>	Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement with Westin Engineering in the amount of \$275,310.

ACTION CALENDAR - Continued

16. ADOPTION OF THE SOUTH ORANGE COUNTY WATERSHED
MANAGEMENT AREA'S UPDATED INTEGRATED REGIONAL WATER
MANAGEMENT PLAN

Recommendation: That the Board adopt a Resolution adopting the South Orange
County Integrated Regional Water Management Plan.

Reso No. 2013-

OTHER BUSINESS

Pursuant to Government Code Section 54954.2, members of the Board of Directors or staff may ask questions for clarification, make brief announcements, make brief reports on his/her own activities. The Board or a Board member may provide a reference to staff or other resources for factual information, request staff to report back at a subsequent meeting concerning any matter, or direct staff to place a matter of business on a future agenda. Such matters may be brought up under the General Manager's Report or Directors' Comments.

17. A. General Manager's Report

B. Directors' Comments

C. Adjournment

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Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the Irvine Ranch Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board of Directors are available for public inspection in the District's office, 15600 Sand Canyon Avenue, Irvine, California ("District Office"). If such writings are distributed to members of the Board less than 72 hours prior to the meeting, they will be available from the District Secretary of the District Office at the same time as they are distributed to Board Members, except that if such writings are distributed one hour prior to, or during, the meeting, they will be available at the entrance to the Board of Directors Room of the District Office. The Irvine Ranch Water District Board Room is wheelchair accessible. If you require any special disability-related accommodations (e.g., access to an amplified sound system, etc.), please contact the District Secretary at (949) 453-5300 during business hours at least seventy-two (72) hours prior to the scheduled meeting. This agenda can be obtained in alternative format upon written request to the District Secretary at least seventy-two (72) hours prior to the scheduled meeting.

August 26, 2013

Prepared by: Christopher Smithson

Submitted by: Cheryl Clary

Approved by: Paul Cook

BOARD WORKSHOP

LONG-TERM CAPITAL FINANCING PLAN UPDATE

SUMMARY:

In early 2011, IRWD undertook a process to review and, if appropriate, develop modifications to the District's current capital funding plan. The focus of the review has been to identify issues with the District's existing capital funding plan and to consider adjustments that would improve and update the plan as the District approaches build-out, when its focus will transition to ongoing operations and maintenance activities. The review process has included the input and direction from the Finance and Personnel Committee (Committee), the Board, as well as input from interested outside participants (Working Group) which includes representatives from the development community and allows them to provide input as staff develops its updated Long-Term Capital Funding Plan (LTFP).

Staff will provide a presentation (attached as Exhibit "A") that will review the following:

1. The District's current capital funding plan model;
2. Issues in the current and modified baseline model;
3. Principles and assumptions guiding the LTFP process;
4. Recommended consolidation of improvement districts (IDs); and
5. Next steps.

Staff will also be presenting the following recommendations for the Board's consideration:

- That the Board approve the Master Consolidation Plan as presented;
- That the Board authorize staff to proceed with the preliminary draft of the Plan of Works; and
- That the Board authorize staff to prepare the necessary steps to implement the Master Consolidation.

BACKGROUND:

At the Committee meeting in August 2012, staff presented a proposed four-step work plan, attached as Exhibit "B", addressing specific tasks that would need to be completed before changes to the current capital funding plan can be assessed and implemented. At the meeting, the Committee authorized staff to proceed with Task 1 of the Work Plan which included an assessment of 1) the impacts of leaving the current capital funding plan unchanged in future years, and 2) modifications to the baseline by applying certain working assumptions. The two scenarios were developed to identify problem areas and provide the basis for evaluating the effects of further changes.

The next step identified a modified baseline that considered alternatives to addressing the challenges the District would face if the course remained unchanged. Changes included:

- Revise the current new capital and enhancement definitions;
- Include the 110/210 area in future capital funding; and
- Use 1% revenues to fund enhancement and replacement projects with any remaining amounts allocated at the discretion of the Board.

Staff presented the Baseline and the Modified Baseline to the Board at the June 28, 2013 workshop. The applied changes improved the financial position of several IDs, but in many cases, additional adjustments would be required for ID financial sustainability. In some cases, general obligation authority would not be available to fund future capital. Staff reviewed with the Committee the master consolidation plan that focused on consolidating developed and developing areas into separate IDs.

Consolidation of ID's:

Consolidating existing IDs into developed and developing IDs provides a solution which addresses current issues including financial viability for the remaining IDs and having sufficient general obligation authority to fund future infrastructure. The recommended consolidation uses a globalized approach that provides a fair and equitable method to allocate capital infrastructure costs that links the fees paid with the benefits received.

To implement the updated LTFP, staff will prepare a Plan of Works that includes a benefit analysis supporting the new ID consolidation and related capital infrastructure requirements. Other steps, including working with the County to establish new ID boundaries for setting property tax rates, will also be initiated. Staff recommends that the Board approve the following:

1. Approve the master consolidation plan as presented;
2. Authorize staff to proceed with the preliminary draft of the Plan of Works; and
3. Authorize staff to take the necessary steps to implement the master consolidation plan.

FISCAL IMPACTS:

The fiscal impacts of changes, if implemented, to the District's LTFP will be determined through the course of the project. No changes to the current capital funding approach are proposed for adoption at this time.

ENVIRONMENTAL COMPLIANCE

No discretionary action is being proposed at this time that would constitute a project as defined in the California Environmental Quality Act (CEQA), 14 CA Code of Regulations, Section 15378. Improvement district reorganizations are categorically exempt from CEQA (categorical exemption Class 20) as projects consisting of changes in organization of local agencies not changing the area in which existing powers are exercised, under CEQA, 14 CA Code of Regulations, Section 15320. The adoption of a plan of works is not a project under CEQA, 14 CA Code of Regulations, Section 15378(b)(4) – creation of government funding mechanisms or other government fiscal activities, which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment).

COMMITTEE STATUS:

This was reviewed by the Finance and Personnel Committee at multiple meetings and by the Board at a workshop on June 28, 2013.

RECOMMENDATIONS:

THAT THE BOARD APPROVE THE MASTER CONSOLIDATION PLAN AS PRESENTED;
AUTHORIZE STAFF TO PROCEED WITH THE PRELIMINARY DRAFT OF THE PLAN
OF WORKS; AND AUTHORIZE STAFF TO PREPARE THE NECESSARY STEPS TO
IMPLEMENT THE MASTER CONSOLIDATION.

LIST OF EXHIBITS:

Exhibit "A" – Board Workshop presentation
Exhibit "B" – LTFP Work Plan

Exhibit “B”

Long Term Capital Funding Work Plan

Issues Impacting the Current Capital Funding Plan:

As the District approaches the build-out of its service area, its focus will shift from that of a “developing” agency to an “operating” agency. As a result of this shift, several key issues will need to be addressed in the near future, including:

1. Significant future capital projects remain to be constructed as the District moves to full development. The current capital program includes approximately \$675 million of future capital (net of known grant and other offset funds) of which approximately \$577 million is currently identified as new development capital funded through property taxes and connection fees;
2. Some existing improvement districts (IDs) have already depleted (or are expected to deplete in the near future), their voter-authorized general obligation (G.O.) bond authorization but will have significant future capital costs allocated to their IDs for new capital through the regional split;
3. Other existing IDs have more G.O. authorization than they are currently expected to need for future capital;
4. Some IDs have undesirably low capital fund balances;
5. Some IDs will likely need property tax and/or rate increases to meet debt service within the next five years. The situation is currently mitigated through the use of “other revenues” (mainly one-time buy-ins from the base redevelopments) which will diminish significantly in the future;
6. The continued exclusion of the ID 110/210 area from capital funding allocations becomes more problematic over time and the planned increase in enhancement capital projects that benefit that area exacerbates the issue because the perception is that it is not paying an appropriate share; and

These issues are likely to become increasingly difficult to resolve if left unattended. The District is positioned to address these issues and to consider and implement necessary revisions to its capital funding program.

Principal Objectives:

The initial review effort was undertaken with a proposed set of high-level principles intended to ensure that any proposed modifications were consistent with the original objectives of fiscal soundness, fairness and equity. Among the most important of those objectives are:

1. Customers, property owners, developers and any other beneficiaries of the District's infrastructure should pay a fair share of the costs for building and maintaining that infrastructure;
2. While the District's long-term capital funding strategy has worked well up to this point, some circumstances have changed such that it may now be appropriate to revisit elements of the long-term capital funding program;
3. Decisions made in the past regarding long-term capital financing plans are instructive and informative, but may need to be revisited given that the District is nearing build-out and will have a shift in funding sources in the future;
4. The District should maintain its 50/50 funding concept, but may need to consider how it is applied in the future to maintain fairness and equity;
5. Historical distinctions supporting separate IDs in many instances have become obsolete as development has progressed toward completion, and in some instances misaligned with funding responsibility and authorization. At the same time, accounting for the numerous IDs is becoming increasingly complex. The benefits of this complex accounting are unclear at best and should be simplified for internal efficiencies and external understanding by investors, credit rating agencies, and other market participants;
6. The District should maximize the use of its G.O. authorization as it is one of the lowest cost financing tools available;
7. IDs should be fiscally healthy, including having positive fund balances and, where possible, G.O. authorization to fund their future infrastructure and fair share of regional capital projects; and
8. The capital funding plan should enable future project decisions by not only providing the Board with lifecycle costs, but also by identifying the likely impact of each significant project on rates, charges, fees and taxes.

These principles have directed the work completed to date and it is critical to a successful outcome as they continue to guide future efforts.

Working Assumptions:

The following assumptions, generally agreed to by the participants as "working assumptions," modify the capital funding plan and provide the framework for the remaining efforts to complete the project:

1. The issues described above define the focus of this review;
2. The revised capital definitions will be utilized to allocate future capital costs;
3. The funding of future capital projects through connection fees, property taxes, and user rates will be reviewed;

4. IDs 110/210 will be included in the funding of future capital projects;
5. ID consolidations should be pursued based upon their potential benefits:
 - a. The initial focus will be on a “master consolidation” that separates developed and undeveloped areas and limits the number of future IDs;
 - b. If necessary, the “master consolidation” concept should be amended to address special situations (e.g., Tustin and El Toro redevelopments, no water or no sewer service, existing agreements that limit District actions); and
 - c. A less ambitious consolidation plan that consolidates fewer of the existing IDs may also be acceptable.
6. One percent property tax revenue will be used to fund enhancement and replacement projects with any remaining amounts to be used at the discretion of the Board; and
7. The 50/50 funding concept for new (future development-related) capital projects should be carried forward.

These assumptions have not been formally approved to amend the current capital funding plan. An important part of future efforts will be to assess their long-term viability and determine whether minor adjustments to the assumptions should be made.

The Proposed Work Plan:

Four primary tasks and their related sub-tasks, in conjunction with the working assumptions described above, provide the basis for the proposed Work Plan:

Task 1 – Establish Baseline and Modified Baseline Scenario

This task will assess the impacts of leaving the District’s current capital funding plan unchanged (baseline) and of modifying the baseline by applying the assumptions listed above. The two scenarios will identify problem areas and provide the basis for evaluating the effects of further changes, such as future ID consolidations.

The baseline condition will incorporate the assumptions used in the FY 2012-2013 connection fee and property tax rate setting process, the most critical of which are:

- a. A future net capital program of \$675 million;
- b. The current ID configuration and corresponding regional splits;
- c. Current capital project definitions;
- d. Current allocation of one percent property tax revenues; and
- e. Current development projections.

A modified baseline scenario for the current capital funding plan will be established based on:

- a. A future net capital program of \$675 million;
- b. Application of the revised capital project definitions;
- c. The inclusion of IDs 110/210 into the regional splits;
- d. Funding future capital projects through connection fees, property taxes, and user rates

- e. Utilizing one percent revenues and other available special revenues to enhancement and replacement projects; and
- f. Maintaining the 50/50 split for new capital projects.

Task 2 – Improvement District Consolidation Plan

As the District reaches build-out, the continued need for multiple water and sewer IDs is declining. The current capital funding plan does not consider this evolution, so a primary focus of this review is to develop a future ID configuration that will transition the District from its current arrangement to one that is more suitable for its long-term capital funding needs.

Based upon preliminary considerations, the preferred consolidation alternative is the Master Consolidation in which the entire District is separated into a developed area and a future development area. One water ID and one sewer ID for each area would be required. The ID reorganization steps to achieve the desired configurations, including bond authorization, are those supplied by the District’s principal act. Specific tasks related to that scenario are:

- a. To identify (through modeling using current ID configuration and current capital project definitions) the impact to future connection fees, property taxes, and user rates of the current capital funding program with no changes. This exercise will establish a baseline to which other ID configurations can be compared;
- b. A variation of Task 2.a. that includes IDs 110/210. The current ID configuration will remain intact but IDs 110/210 will be included in capital cost allocations and funding;
- c. To separate the entire district into a developed/developing structure and to model the impact of this structure on property taxes, connection fees, and user rates. As needed, identify areas within each consolidating ID that should be realigned to another ID in order to maintain a developed/developing structure;
- d. To identify “special circumstances” or anomalies that would affect what areas should be included in the developed/developing construct. Some examples of potential special circumstances include Orange Park Acres, ID 240, ID 135, the Tustin and El Toro redevelopments, Santa Ana Heights, and Santiago Canyon. Anomalies would include inequities or unintended consequences;
- e. To reconfigure the developed/developing consolidation structure based upon the results of Task 2.d.; and
- f. To identify other consolidation options in the event the developed/developing structure proves unsatisfactory.

The consolidation option would be implemented through a series of annexations and detachments to realign ID boundaries, steps that would be founded upon legal determinations as to benefit and best interest. To provide that foundation, issues related to the above tasks 2.a. through 2.f. that must be addressed include:

- g. How would existing G.O. debt be allocated and funded?
- h. How would existing G.O. debt authorization be allocated?
- i. How would new G.O. debt be created?
- j. How would cash balances in current IDs be allocated under the proposed consolidation scenario?

- k. What would the impact be to connection fees, property taxes, and user rates under the proposed consolidation scenario?
- l. What is the most appropriate method to collect annual debt service payments?
- m. What is the impact of spreading local (i.e., within an ID) cost disparities under the proposed consolidation?
- n. How would special revenues (e.g., native water, LRP receipts, golf course proceeds) be allocated?
- o. How would the above considerations should be formulated into criteria that will provide a basis for staff and the Board to test the proposed consolidation under the benefit and best interest tests and comply with all legal requirements? What form of documentation would best illustrate this “nexus”?
- p. Does the proposed ID consolidation plan provide a clear path for future consolidations as development proceeds and “special circumstances” diminish?

Task 3 – Integration of IDs 110/210

IDs 110/210 have historically been and currently are excluded from funding capital facilities. Going forward, IDs 110/210 would be included in the funding of future capital projects but remain excluded from funding existing debt. Specific issues or questions related to this modification are:

- a. What is the fiscal impact of including IDs 110/210 as a funding source under the current capital funding program structure both to 110/210 and to the other IDs?
- b. What is best method to collect capital funding contributions from IDs 110/210?
- c. What is the fiscal impact of including IDs 110/210 in the Master Consolidation?
- d. What would be the best method to recover IDs 110/210 fair cost share? What are the pros and cons of assigning G.O. debt, using an annual charge collected on the tax roll, including a charge in the monthly bill, etc. (assuming that all are possible if “benefit” test is met)? Note: collection of charges requires a Proposition 218 process.
- e. What ID structure is required to ensure that IDs 110/210 are excluded from existing debt?
- f. In addition to the Master Consolidation scenario, what other ID consolidation scenario might make sense for IDs 110/210 (e.g., a subset of the developed ID similar to Orange Park Acres, Santa Ana Heights and Santiago County Water District)?
- g. How does each consolidation option meet, or not meet, the “benefit” and “best interest” tests?

Task 4 – Plan of Works

Plans of Works will be needed for each consolidated ID. An engineering evaluation should be completed, as part of the ID consolidation Plan of Works or as a supporting document, or as a combination of both, to:

- a. Codify the cost allocations and funding requirements for all future capital projects;
- b. Document that the proposed changes relative to the findings in Tasks 2 and 3 are consistent with legal requirements, are fair and equitable, and do not meaningfully advantage or disadvantage one group of participants over another group; and
- c. Provide a continuing plan to implement remaining steps that might be necessary to transition the District to a non-development mode.



Long-Term Capital Funding Plan

Irvine Ranch Water District

Agenda

- Provide an overview of the Long-Term Capital Funding Plan (LTFP)
 - Objectives
 - Process/participants
 - Guiding principles
- Review the District's current capital funding program
 - Key elements
 - Potential issues
- Review proposed changes to the capital funding program
 - Working assumptions
 - Improvement district consolidations

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Objectives of the Long Term Capital Funding Plan (LTFP)

- Identify and quantify issues with the current capital funding model that have emerged as the District approaches full development
- Identify options to update the capital funding model and make it more effective as the District reaches full development
- Integrate changes in the capital funding program into a comprehensive, global solution to consolidate and streamline water and sewer improvement districts

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Long-Term Capital Funding Plan

Irvine Ranch Water District

The Long Term Capital Review Process

- Has been on-going for several years
- Involved staff, the Finance Committee, and interested third parties – the Irvine Company, the Building Industry Association, NAIOP, Five Points
- Guided by a Work Plan approved by F&P Committee in August 2012
- Changes for tax rates that are based on the new ID formation are targeted to become effective for FY 2014-15
- Changes for connection fees are targeted for December 2013

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Guiding Principles

(August 2012)

- a. Customers, property owners, developers and other beneficiaries of District infrastructure should pay their fair share
- b. The 50/50 concept should be retained, but may need to be applied differently in the future
- c. The past is instructive, but all assumptions should be challenged going forward
- d. The reasons for maintaining separate IDs may have become less relevant and in some cases misaligned with funding responsibilities
- e. The District should optimize its G.O. authorization
- f. Successor IDs should be fiscally healthy in terms of G.O. authorization and funding ability
- g. There should be a stronger signal linking capital project costs and rate impacts

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Key Elements of the Current Capital Funding Model

- Implemented in 1978 to fund facilities needed to meet future growth and development
- Virtually unchanged for 35 years
- Intended to fairly and equitably allocate the costs of constructing water and sewer infrastructure
- Incorporated a long-term approach that has performed well over time
- Relied on improvement districts, a regional cost allocation, and funding through authorized general obligation debt
- Equitably allocated capital costs 50/50 between connection fees and property taxes

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Issues Confronting the Current Capital Funding Model

Significant Factors in an IDs Future Sustainability	Significant development remains within the developing IDs	Development is completed/near completion within the IDs
<p>GO Authorization exceeds total future capital projections</p>	<p>Moderate adjustments or no change necessary</p> <p>13 water and sewer IDs</p>	<p>Significant changes required to connection fee or 50-50 split might not be possible</p> <p>7 water and sewer IDs</p>
<p>GO Authorization falls below total future capital projections</p>	<p>Increases necessary for connection fees and tax rates or 50-50 split might not be possible</p> <p>4 water and sewer IDs</p>	<p>Unsustainable</p> <p>4 water and sewer IDs</p>

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Long -Term Capital Funding Plan

Irvine Ranch Water District

Working Assumptions Used to Modify Baseline Scenario

Working assumptions adopted in the Work Plan to move from Baseline to the Modified Baseline

- Revise capital project definitions
- Include the 110/210 area in future capital funding
- Use 1% revenues to fund enhancement and replacement projects with any remaining amounts allocated at the discretion of the Board
- Retain the 50/50 concept where appropriate

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Long -Term Capital Funding Plan

Irvine Ranch Water District

	Current	Proposed
New	<ul style="list-style-type: none"> •Provide facilities for ultimate development/redevelopment; •Integrates new development/redevelopment into existing infrastructure; •Provide reliability and/or redundancy to new development/redevelopment; •Upgrade facilities to provide cost savings to future development 	<ul style="list-style-type: none"> • Provide facilities for ultimate development/ redevelopment; • Integrate new development/ redevelopment into existing infrastructure. •Provide reliability and/or redundancy to new development/redevelopment; •Upgrade facilities to provide cost savings to future development
Enhance	<ul style="list-style-type: none"> •Update infrastructure to meet the needs of existing development •Increase the lowest cost project alternative in order to provide costs savings to existing customers. 	<ul style="list-style-type: none"> • Update infrastructure to meet the needs of existing development; •Provide cost savings, <u>additional reliability</u>, and/or <u>additional redundancy</u> to existing/ultimate development.

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Long -Term Capital Funding Plan

Irvine Ranch Water District

	Current	Proposed
Replace	<ul style="list-style-type: none">• Replace required facilities as they reach the end of their useful life;• Refurbish facilities to contemporary standards.	<ul style="list-style-type: none">• No change

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Issues Confronting the Modified Capital Funding Model

Significant Factors in an IDs Future Sustainability	Significant development remains within the developing IDs	Development is completed/near completion within the IDs
GO Authorization exceeds total future capital projections	15 water and sewer IDs	6 water and sewer IDs
GO Authorization falls below total future capital projections	4 water and sewer IDs	3 water and sewer IDs

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Master Improvement District Consolidation Strategy

- Developed and developing areas overlaying existing IDs
- ID alignment strategies
- Master consolidation funding schematic
- Funding of future capital and debt

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Available GO Authority

Current IDs	Description	GO Authority
112/212	El Toro Base	\$115.8M
113/213	Tustin Base	\$74.8M
153/253	Developing	\$359.6M
185/285 (New)	Portion of OSA in 135/235	
188/288	Portola	\$12.4M
125/225	Developed/ Underlay	\$729.2M
240	Coast	\$68.8M
110/210	Area excluded from IDs	\$0.0
154	SCWD #2	\$4.8M
256	Orange Park Acres	\$0.0

Portions of the following IDs make up the developed ID and the available GO authority:
 120/121/220 /221/ 30/230/135/235/140/150/250/160/161/260/261/182/282/184/284/186/286.

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Proposed Master Consolidation IDs and Regional Splits

Proposed IDs	Description	Water	Sewer	Recycled
112/212	El Toro Base	3.3%	3.4%	10.7%
113/213	Tustin Base	3.0%	3.4%	4.1%
125/225	Developed/ Underlay	47.5%	48.6%	51.1%
153/253	Developing	11.1%	9.6%	10.3%
185/285	Portion of OSA in 135/235	1.6%	1.3%	1.5%
188/288	Portola	0.5%	0.3%	NA
154	SCWD ID # 2	0.4%	NA	NA
240	Newport Coast	NA	NA	7.7%
252	Santiago Hills Recycled	NA	NA	0.0%
256	Orange Park Acres	NA	0.3%	NA
110/210	Area excluded from IDs	32.6%	33.1%	14.6%

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Allocation of Future Capital in Master Consolidation Scenario

Type of Capital	Developed Area	Undeveloped Area	Replacement
Water Projects			
Enhance	\$18.0	\$4.5	\$0.0
<i>Local *</i>	<i>1.3</i>	<i>83.8</i>	<i>0.0</i>
Regional	84.8	21.1	0.0
Replace	0.0	0.0	27.1
Total Water	\$104.2	\$109.4	\$27.1
Sewer & Recycled Projects			
Enhance	\$81.7	\$24.3	\$0.0
<i>Local *</i>	<i>6.1</i>	<i>78.8</i>	<i>0.0</i>
Regional	92.1	20.4	115.4
Replace	0.0	0.8	29.5
Total Swr & Rcyclcd	\$179.9	\$124.3	\$144.9
Grand Total	\$284.1	\$233.7	\$172.0

* Includes sub-regional projects that serve more than one improvement district.

DRAFT



Long-Term Capital Funding Plan

Irvine Ranch Water District

Long Term Analysis of Individual ID's Financial Viability Combined Water and Sewer Master Consolidation

ID	Description	Conn Fee	Tax Rate	Sources							Uses			Financial Viability	Sufficient GO Auth. vs. Future Capital
				Current Fund Balance	Conn. Fees	GO Tax	1% Tax	User Rates	Other Rev.	Bond Funding	Int Earn.	Future Capital	Debt Service		
		Consolidated		2	3	4	5	6	7	8	9	10	11	12	
														<i>Sum of 2 through 11</i>	
112/212	ET Base	\$6,500	\$0.075	(\$10)	\$75	\$73	\$0	\$0	(\$8)	\$58	\$7	(\$62)	(\$132)	\$1	\$5
113/213	LTA Base	\$9,600	\$0.063	\$7	\$44	\$43	\$0	\$0	(\$7)	\$27	\$14	(\$27)	(\$102)	\$0	\$2
153/253	Undev.	\$5,600	\$0.056	(\$1)	\$136	\$63	\$0	\$0	\$13	\$180	\$87	(\$173)	(\$294)	\$12	\$126
125/225	Dev.	\$6,000	\$0.028	\$35	\$3	\$393	\$421	\$186	\$133	\$249	\$64	(\$245)	(\$1,225)	\$15	\$142
185/285	OSA with GO	\$4,000	\$0.050	\$0	\$16	\$15	\$0	\$0	\$2	\$20	\$8	(\$21)	(\$33)	\$7	\$30
188/288	Portola	\$4,500	\$0.031	(\$0)	\$2	\$2	\$0	\$0	\$0	\$4	\$4	(\$5)	(\$3)	\$5	\$7

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Projected Financial Impacts from Financial Consolidation

Improvement Districts	Combined Water and Sewer Connection Fee *		Property Tax Rates				User Rate Component	
	Current.	Proposed	Current	Underlay	ID	Total	Enhance	Replace
112/212 El Toro Base	\$5,600	\$6,500	\$0.106	NA	\$0.075	\$0.075	\$1.40	\$6.85
113/213 LTA Base	\$7,000	\$9,600	\$0.147	NA	\$0.630	\$0.630	\$1.40	\$6.85
125/225 Developed	\$3,700	\$5,600	\$0.010 To \$0.056	\$0.028	NA	\$0.028	\$1.40	\$6.85
153/253 Developing (primarily 50 and 53)	NA	\$5,600	\$0.000 To \$0.056	\$0.028	\$0.028	\$0.056	\$1.40	\$6.85
185/285 Portion of OSA in 135/235	\$6,800	\$4,000	\$0.010	\$0.028	\$0.022	\$0.050	\$1.40	\$6.85
188/288 Undeveloped Portola ID	\$8,600	\$4,500	\$0.225	NA	\$0.028	\$0.028	\$1.40	\$6.85
101/210 Developed Area – No GO Auth.	Redevelopment connection fee to follow further analysis.						\$1.40	\$6.85

* Current connection fees will increase between 10-12% annually. Proposed connection fees will increase with ENR annually.

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Projected Combined Residential and Commercial Connection Fees

Improvement Districts	Residential per DU		Commercial per acre	
	Current*	Proposed**	Current*	Proposed**
112/212	\$5,600	\$6,500	\$21,280	\$24,700
113/213	\$7,000	\$9,600	\$42,824	\$58,730
125/225	\$3,700	\$5,600	\$25,084	\$37,965
153/253	\$3,700	\$5,600	\$25,084	\$37,965
185/285	\$6,800	\$4,000	\$19,395	\$11,409
188/288	\$8,600	\$4,500	\$32,311	\$16,907
110/210	Redevelopment connection fee to follow further analysis.			

* Current connection fees will increase between 10-12% annually.

** Proposed connection fees will increase with ENR annually.

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Long Term Analysis of Individual ID's Financial Viability **with Loss of 1% Tax Revenue** Combined Water and Sewer Master Consolidation

ID	Description	Conn Fee	Tax Rate	Conn Fee	Tax Rate	Financial Viability	Sufficient GO Auth. vs. Future Capital
		Consolidated					
112/212	ET Base	\$6,500	\$0.075	\$6,500	\$0.075	\$1	\$5
113/213	LTA Base	\$9,600	\$0.063	\$9,600	\$0.063	\$1	\$2
125/225	Dev.	\$5,600	\$0.028	\$6,700	\$0.067	\$50	\$142
153/253	Undev.	\$5,600	\$0.056	\$6,700	\$0.075	\$7	\$126
185/285	OSA with GO	\$4,000	\$0.050	\$6,200	\$0.068	\$7	\$30
188/288	Portola	\$4,500	\$0.031	\$4,500	\$0.031	\$4	\$7

DRAFT



Long-Term Capital Funding Plan

Irvine Ranch Water District

Projected Residential Replacement Component Included in Monthly Service Charge *With Loss of 1% Tax Revenue*

Improvement Districts	Monthly User Rate Component*		
	Current	Proposed	Annual Increase
112/212	\$6.85	\$7.90	7.5%
113/213	\$6.85	\$7.90	7.5%
125/225	\$6.85	\$7.90	7.5%
153/253	\$6.85	\$7.90	7.5%
185/285	\$6.85	\$7.90	7.5%
188/288	\$6.85	\$7.90	7.5%

* Included in Proposition 218 noticing. Increases assume partial bond funding through FY 2028.

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Long-Term Capital Funding Plan

Irvine Ranch Water District

Plan of Works Update

- IDs with new plans of works:
 - 125/225,
 - 153/253, and
 - 185/285.
- Historical background (1978 forward)
- Describe each new ID
- New formation (185/285)
- Projects are classified into local and regional facilities
- Benefit analysis
- Preliminary draft to be presented at Special F & P and Board Workshop on September 23

DRAFT



Long-Term Capital Funding Plan

Irvine Ranch Water District

Next Steps

- June 28 Strategic Planning Meeting
- July 2 Finance and Personnel Committee
- July 22 External Workgroup Meeting
- Aug 6 Finance and Personnel Committee Meeting
- Aug 26 Board of Directors – First Workshop
- Sept 23 Board of Directors – Second Workshop
- Sept 30 Staff submits preliminary boundary descriptions to County
- Oct 14 Board of Directors – First Public Hearing
- Oct 28 Board of Directors – Second Public Hearing
 - Board adopts proposed changes
 - Connection fee increases are effective immediately
- Nov 1 County Review of boundary descriptions completed
- Dec 1 County of Orange
 - **Deadline to receive documentation to set boundaries for improvement districts for 2014**

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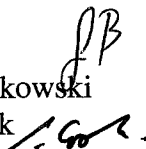
Long-Term Capital Funding Plan

Irvine Ranch Water District

Recommendations

1. That the Board approve the master consolidation plan as presented
2. That the Board authorize staff to proceed with the preliminary draft of the Plan of Works
3. That the Board authorize staff to prepare the necessary steps to implement the master consolidation

DRAFT

August 26, 2013
Prepared and
Submitted by: L. Bonkowski
Approved by: P. Cook 

CONSENT CALENDAR

MINUTES OF REGULAR BOARD MEETING

SUMMARY:

Provided are the minutes of the August 12, 2013 Regular Board Meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE AUGUST 12, 2013 REGULAR BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – Minutes – August 12, 2013

EXHIBIT "A"

MINUTES OF REGULAR MEETING – AUGUST 12, 2013

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:00 p.m. by President Reinhart on August 12, 2013 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

Directors Present: Withers, Matheis, LaMar and Reinhart

Directors Absent: Swan

Also Present: General Manager Cook, Executive Director of Finance Clary, Executive Director of Engineering Burton, Executive Director of Operations Sheilds, Director of Public Affairs Beeman, Executive Director of Water Policy Heiertz, Director of Risk Management and Treasury Jacobson, Director of Water Resources Weghorst, Legal Counsel Arneson, Secretary Bonkowski, Mr. Christopher Smithson, Ms. Christine Compton, Mr. Lars Oldewage, Mr. Jim Reed, Mr. Bruce Newell and other members of the public and staff.

WRITTEN COMMUNICATION: None.

ORAL COMMUNICATION

Mrs. Joan Irvine Smith's assistant addressed the Board of Directors with respect to the Dyer Road wellfield. She said it was her understanding that currently wells 1, 4, 6, 7, C-8, C-9, 10, 12, 14, 15, 17 and 18 will operate in accordance with the District's annual pumping plan. Wells 2, 3, 5, 11, 13 and 16 will be off. This was confirmed by Mr. Cook, General Manager of the District.

With respect to the OCWD annexation of certain IRWD lands, on June 5, 2009, IRWD received a letter from OCWD noting that OCWD has completed the formal responses to comments they previously received on the draft program Environmental Impact Report. The letter further noted that with this task completed, OCWD has exercised its right to terminate the 2004 Memorandum of Understanding (MOU) regarding annexation. OCWD also indicated that due to the lack of progress on the annexation issue, the draft program Environmental Impact Report will not be completed. On June 8, 2009, OCWD completed the Long-Term Facilities Plan which was received and filed by the OCWD Board in July 2009. Staff has been coordinating with the City of Anaheim (Anaheim) and Yorba Linda Water District (YLWD) on their most recent annexation requests and has reinitiated the annexation process with OCWD. IRWD, YLWD and Anaheim have negotiated a joint MOU with OCWD to process and conduct environmental analysis of the annexation requests. The MOU was approved by the OCWD Board on July 21, 2010. This was confirmed by Mr. Cook.

With respect to the Groundwater Emergency Service Plan, IRWD has an agreement in place with various south Orange County water agencies, MWDOC and OCWD, to produce additional groundwater for use within IRWD and transfer imported water from IRWD to south Orange County in case of emergencies. IRWD has approved the operating agreement with certain south Orange County water agencies to fund the interconnection facilities needed to affect the emergency transfer

of water. MWDOC and OCWD have also both approved the operating agreement. This was confirmed by Mr. Cook.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED - None.

PUBLIC HEARINGS

SEWER TAXES IN THE NEWPORT NORTH SERVICE AREA

General Manager Cook reported that on June 24, 2013, the Board adopted Rates and Charges for Fiscal Year 2013-14 which included monthly sewer charges of \$18.40 for a residential single family home and \$13.80 per unit for multiple family dwelling units. The Newport North customers will have the same rate, but the method of collection differs in that they pay their sewer fees on an annual basis by means of the County tax rolls.

Mr. Cook said that by adoption of Resolution No. 1987-45, the Board of Directors elected to have sewer charges for certain parcels of land located in the Newport North area collected on the tax roll together with the District's general taxes. That resolution directs the filing of a report containing a description of such parcels and the corresponding charges for each fiscal year. Pursuant to the requirements of the Health and Safety Code of the State of California, a public hearing on the report is required.

President Reinhart said this was the time and place for a hearing on the sewer taxes in the Newport North area, and declared the hearing open. He asked the Secretary how the hearing was noticed.

Secretary Bonkowski reported that the report was filed with her on July 8, 2013 and the notice of the filing of the report and the time and place of this hearing was published in the Orange Coast Daily Pilot on July 27 and August 5, 2013. She said that a notice was also posted in the District office on July 8, 2013.

On MOTION by LaMar, seconded and unanimously carried, THE AFFIDAVIT OF POSTING AND THE PROOF OF PUBLICATION PRESENTED BY THE SECRETARY WAS RECEIVED AND FILED.

President Reinhart requested Legal Counsel Arneson to describe the nature of the proceedings.

Legal Counsel Arneson described the nature of the proceedings, saying that the purpose of the hearing was to provide an opportunity for all persons interested or the owner of any parcel within the area to present objections or protests to the report.

President Reinhart asked Secretary Bonkowski whether she had received any written communications concerning this matter, and she stated that she had not. President Reinhart asked if there was anyone present who wished to address the Board concerning the report and the proposed collection of sewer charges on the tax roll. There was no one present who wished

to be heard. President Reinhart further inquired if there were any comments or questions from members of the Board of Directors. There were no comments from the Board.

On MOTION by Matheis, seconded and unanimously carried, THE HEARING WAS CLOSED, AND RESOLUTION NO. 2013-31 WAS ADOPTED BY TITLE AS FOLLOWS:

RESOLUTION NO. 2013-31

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE
RANCH WATER DISTRICT ADOPTING REPORT OF SEWER
CHARGES TO BE COLLECTED ON THE TAX ROLL

REPORT ON WATER QUALITY RELATIVE TO PUBLIC HEALTH GOALS

General Manager Cook reported that the 2013 Report on Water Quality Relative to Public Health Goals is a triennial report required by the California Health and Safety Code summarizing constituents detected in the District's water supply at levels exceeding applicable Public Health Goals or Maximum Contaminant Level Goals during calendar years 2010, 2011 and 2012. Mr. Cook said that a public hearing regarding the report will be held at this evening's Board meeting to accept any public comments that may be provided regarding the report.

President Reinhart declared this to be the time and place for the hearing on the Report on Water Quality Relative to Public Health Goals, and declared the hearing open. He requested the Secretary to report the manner by which the Notice of Hearing was given.

Secretary Bonkowski said that the Notice of this hearing was published in the Orange County Register on August 5, 2013. A Notice was also posted in the District office on July 22, 2013. She presented an Affidavit of Posting and the Proof of Publication for the Board to receive and file.

On MOTION by Matheis, seconded and unanimously carried, THE AFFIDAVIT OF POSTING AND THE PROOF OF PUBLICATION PRESENTED BY THE SECRETARY WAS RECEIVED AND FILED.

President Matheis inquired of the Secretary whether there have been any written communications. Secretary Bonkowski said there were none.

President Reinhart asked legal counsel to describe the nature of the proceeding.

Legal Counsel Arneson described the nature of the proceedings, saying that the purpose of the hearing was to provide an opportunity for all persons interested to comment on the public health goals.

President Reinhart inquired if staff would like to give a report. There were no comments from staff.

President Reinhart inquired whether there is anyone present who wished to address the Board concerning the Report on Water Quality Relative to Public Health Goals. There were none.

He further inquired whether there are any comments or questions from members of the Board of Directors. In response to Director Withers' comment asking staff to communicate these results to customers, staff was asked to place the results on the website under *Liquid News*.

On MOTION by Matheis, seconded and unanimously carried, THE HEARING WAS CLOSED AND THE REPORT ON WATER QUALITY RELATIVE TO PUBLIC HEALTH GOALS WAS RECEIVED AND FILED.

CONSENT CALENDAR

On MOTION by Withers, seconded and unanimously carried, CONSENT CALENDAR ITEMS 5 THROUGH 10 WERE APPROVED AS FOLLOWS:

5. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the July 22, 2013 Regular Board meeting be approved as presented.

6. RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND EVENTS

Recommendation: That the Board ratify/approve the meetings and events for Steven LaMar, Mary Aileen Matheis, Peer Swan, Douglas Reinhart, and John Withers.

7. 2013 STATE LEGISLATIVE UPDATE

Recommendation: Receive and file.

8. APPROVAL OF FIRST SUPPLEMENTAL INDENTURE FOR 2009-A BONDS

Recommendation: That the Board approve the amended 2009-A Supplemental Indenture in substantially the form submitted and adopt the following resolution by title approving First Supplemental Indenture and certain other actions in connection with substitution of Remarketing Agent (Consolidated Series 2000-A).

RESOLUTION NO. 2013-32

RESOLUTION OF THE BOARD OF DIRECTORS OF
THE IRVINE RANCH WATER DISTRICT APPROVING
FIRST SUPPLEMENTAL INDENTURE AND CERTAIN OTHER
ACTIONS IN CONNECTION WITH SUBSTITUTION OF
REMARKETING AGENT (CONSOLIDATED SERIES 2009-A)

CONSENT CALENDAR (CONTINUED)

9. LONG-TERM FINANCE PLAN IMPROVEMENT DISTRICT CONSOLIDATIONS BUDGET ADDITION

Recommendation: That the Board approve the addition of projects 11742 (4710) and 21742 (4711) in the amounts of \$77,000 each to the FY 2013-14 Capital Budget, and approve Expenditure Authorizations for projects 11742 (4710) and 21742 (4711) in the amounts of \$77,000 each.

10. REVISIONS TO WATER BANKING PROGRAM CAPITAL BUDGET AND EXPENDITURE AUTHORIZATIONS

Recommendation: That the Board authorize the addition of project 11738 (4661) for Water Banking Planning to the FY 2013-14 Capital Budget in the amount of \$275,000; authorize an increase to the FY 2013-14 Capital Budget for project 11645 (3766) Stockdale West Ranch Joint Banking Project in the amount of \$2,750,000; approve Expenditure Authorizations for project 11596 (1338) in the amount of \$82,500 for the Water Banking Agreements; project 11645 (3766) in the amount of \$16,500 for the Stockdale West Ranch Joint Banking Project; and project 11738 (4661) in the amount of \$275,000 for Water Banking Planning.

ACTION CALENDAR

REVISED IRWD WATER RESOURCES FUNDING POLICY PRINCIPLES

Ms. Christine Compton reported that water resources infrastructure funding will continue to be a point of discussion within and around the State Capitol during the 2013-2014 legislative session and beyond, and since discussions concerning the 2014 bond and potential modifications are underway, staff has updated the IRWD Water Infrastructure Funding Policy Principles adopted by the Board on May 29, 2007 to reflect the current landscape.

Director LaMar reported that this item was reviewed and approved by the Water Resources Policy and Communications Committee on August 1, 2013. Following discussion, on MOTION by LaMar, seconded and unanimously carried, **THE BOARD APPROVED THE UPDATED IRWD WATER RESOURCES FUNDING POLICY PRINCIPLES.**

LETTER OF INTENT WITH SOLARCITY FOR JACKSON RANCH SOLAR PROJECT

Using a PowerPoint presentation Assistant Director of Water Resources Weghorst reported that on February 13, 2012, staff was authorized to investigate the feasibility of developing a solar power generating facility at the Jackson Ranch. Mr. Weghorst said that in August 2012, the results of the feasibility investigation were presented to the Technology Ad Hoc Committee and staff soon after issued a Request for Qualifications (RFQ) to identify potential solar developers for the project. He said that staff updated the Board in December 2012 on what was learned during the RFQ process and made recommendations related to pursuing a 3 MW solar photovoltaic (PV) project in partnership with SolarCity. He further said that in May 2013, staff

reviewed with the Water Banking Committee a draft Letter of Intent (LOI) with SolarCity that sets forth preliminary, indicative, and non-binding terms for IRWD and SolarCity to share in development costs and benefits of implementing a 3 MW solar PV project at IRWD's Jackson Ranch. SolarCity has completed both a financial and legal review of the LOI and the proposed project and in July 2013 provided an executed copy of the LOI for IRWD's consideration.

Mr. Weghorst provided a project overview noting that a 3 MW solar PV generating facility at IRWD's Jackson Ranch is estimated to require about 20 acres of land; two potential development sites are being considered; financial modeling by SolarCity indicates a 3 MW single-axis tracker facility is estimated to cost \$10.5 million to construct and would produce approximately 7,300,000 kWh per year of electricity; gross revenues before taxes are estimated to be approximately \$804,000 in the first year; it is envisioned that SolarCity would fund the construction of the project facilities and upon completion would likely sell the project to one of its banking partners; and SolarCity would maintain and operate the facility over the life of the project.

Mr. Weghorst said that IRWD would financially benefit from the proposed solar PV project through the lease of Jackson Ranch lands to SolarCity. The lease payments of \$1,000 per acre are expected to be a fixed cost per acre and would be negotiated prior to the execution of a project development agreement and would depend on the final terms of the Renewable Electric Market Adjusting Tariff (ReMAT) program and IRWD's level of participation in the project. He said that estimated costs for SolarCity prior to construction are estimated at \$122,900 while IRWD's additional costs for its share of environmental compliance work, permitting and PG&E design related studies, beyond the \$92,100 already spent on feasibility studies, are expected to be approximately \$100,000.

Director Reinhart said that this item was reviewed by the Water Banking Committee on July 23, 2013. In response to Director LaMar's comment relative to green house gas credits, Mr. Weghorst said that staff would investigate different tariffs in the future; however, only one Renewable Electric Market Adjusting Tariff program can be implemented. On MOTION by Reinhart, seconded and unanimously carried, **THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE THE LETTER OF INTENT WITH SOLARCITY TO SHARE IN DEVELOPMENT COSTS FOR A 3 MW SOLAR GENERATING FACILITY AT THE JACKSON RANCH; AUTHORIZED AN INCREASE TO THE FY 2013-14 CAPITAL BUDGET FOR PROJECT 11637 (3667) FOR \$61,100 FROM \$214,100 TO \$275,200 FOR THE JACKSON RANCH SOLAR PROJECT; AND APPROVED AN EXPENDITURE AUTHORIZATION FOR PROJECT 11637 (3667) FOR \$149,100.**

GENERAL MANAGER'S REPORT

General Manager Cook reported on an upcoming meeting this Wednesday with the Army Corps of Engineers relative to creative alternative financing for the Syphon Reservoir. He said he will report back to the Board following the meeting.

DIRECTORS' COMMENTS

Director Matheis said she was reflecting on the 2013 political scene and noted a discussion with Congressman Issa from the Oversight Committee. She also noted that she attended a meeting relative to Citizens against Lawsuit abuse which was presented by Assemblyman Travis Allen and asked staff to contact him for a visit to the District. She further noted the upcoming Urban Water Institute conference this week that she will be attending with Directors Reinhart and LaMar.

Director Withers reported on tomorrow's OCBC Infrastructure Committee meeting and said that Wednesday he will be attending LAFCO's strategic planning workshop.

Director LaMar reported that he attended MWDOC's Public Affairs and Legislative Committee meeting where they recommended the ACWA Region 10 recommendations as provided by its Nominating Committee; a draft response to the Grand Jury; and the formation of an Ad Hoc Committee to hire a new General Manager.

Director Reinhart reported on his attendance at WACO and MWDOC Board meetings. He also commented on ocean outfall projects which he said may make sense in the future.

CLOSED SESSION

President Reinhart said the following Closed Sessions would be held this evening:

- 1) Conference relative to anticipated litigation - Government Code Section 54956.9(d)(2) - significant exposure to litigation - 26 cases - 13 claims filed under the Tort Claims Act, on file with the District, and 7 occurrences as follows: 3 potential claimants at 10632 N. Meads, Orange, CA; 10 potential claimants at 166, 174, and 186 Sydney Bay, 70 Twilight Bluff, 2 and 24 Tideline Bluff, and 18 Baffin Bay, Crystal Cove, CA, 2596 and 2620 Thorman Place, and 10436 Vernon, Tustin, CA;
- 2) Conference with legal counsel relative to existing litigation - Government Code Section 54956.9(d)(1) -State of California, et al., ex rel. Hendrix v. J-M Manufacturing Company, Inc., et al.;
- 3) Conference with legal counsel relative to anticipated litigation pursuant to Government Code Section 54956.9(d)(4) – initiation of litigation (one potential case); and
- 4) Conference with legal counsel relative to anticipated litigation - Government Code Section 54956.9(d)(2) - significant exposure to litigation (two potential cases).

OPEN SESSION

The meeting was reconvened with LaMar, Matheis, Reinhart, and Withers present. President Reinhart said that no action was reported from the Closed Session.

ADJOURNMENT

There being no further business, President Reinhart adjourned the meeting.

APPROVED and SIGNED this 26th day of August, 2013.

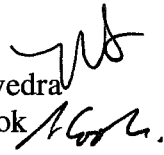
President, IRVINE RANCH WATER DISTRICT

Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Legal Counsel - Bowie, Arneson, Wiles & Giannone

August 26, 2013
Prepared and
Submitted by: N. Savedra
Approved by: P. Cook



CONSENT CALENDAR

RATIFY/APPROVE BOARD OF DIRECTORS'
ATTENDANCE AT MEETINGS AND EVENTS

SUMMARY:

Pursuant to Resolution 2006-29 adopted on August 28, 2006, approval of attendance of the following events and meetings are required by the Board of Directors.

Events/Meetings

Steven LaMar

9/06/13 Federal Affairs Committee Meeting, Sacramento, CA

Mary Aileen Matheis

8/28/13 Meeting with UCI David L. Feldman and Mickey Shaw re: Water Issues
9/17-20/13 Water Education Foundation - Colorado River Symposium, Sante Fe, NM

Douglas Reinhart

8/29/13 Monthly meeting with General Manager Paul Cook regarding District activities
9/14-18/13 WateReuse Board Meeting & WateReuse Symposium, Denver, CO

Peer Swan

8/21-22/13 CASA 2013 Annual Conference, San Diego, CA
9/26/27/13 ACWA Board Meeting, Sacramento, CA

John Withers

8/28/13 IRWD Representative - OCSD Honor Walk Inductee Event
9/19/13 IRWD Representative - City of Tustin Re-Dedication of Rawlings Reservoir

RECOMMENDATION:

THAT THE BOARD RATIFY/APPROVE THE MEETINGS AND EVENTS FOR STEVEN LAMAR, MARY AILEEN MATHEIS, DOUGLAS REINHART, PEER SWAN, AND JOHN WITHERS AS DESCRIBED.

LIST OF EXHIBITS:

None

August 26, 2013
Prepared by: Jacobson/Fournier/Davis
Submitted by: Cheryl Clary
Approved by: Paul Cook

CONSENT CALENDAR

JULY 2013 TREASURY REPORTS

SUMMARY:

The following is submitted for the Board's information and approval:

- A. The Investment Summary Report for July 2013. This Investment Summary Report is in conformity with the 2013 Investment Policy and provides sufficient liquidity to meet estimated expenditures during the next six months, as outlined in Exhibit "A".
- B. The Monthly Interest Rate Swap Summary as of July 31, 2013, as outlined in Exhibit "B".
- C. The Summary of Payroll ACH payments in the total amount of \$1,427,106, as outlined in Exhibit "C".
- D. The July 31, 2013 Disbursement Summary of warrants 340674 through 341265, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$23,742,855, as outlined in Exhibit "D".
- E. The Fiscal Year 2013-14 Disclosure of Reimbursements to Board Members and Staff as of July 2013, detailing payments or reimbursements for individual charges of \$100.00 or more per transaction, as outlined in Exhibit "E".

FISCAL IMPACTS:

As of July 30, 2013, the book value of the investment portfolio was \$311,662,936, with a 0.37% rate of return and a market value of \$311,368,614. Based on the District's June 30, 2013 quarterly real estate investment rate of return of 10.91%, the District's weighted average return for the fixed income and real estate investments was 2.32%.

As of July 31, 2013, the total notional amount of the interest rate swap portfolio was \$130 million of fixed payer swaps. Cash accrual in July from all swaps was negative \$685,921.

Payroll ACH payments totaled \$1,427,106 and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for July totaled \$23,742,855.

ENVIRONMENTAL COMPLIANCE:

This item is not a project as defined in the California Environmental Quality Act Code of Regulations, Title 14, Chapter 3 Section 15378.

COMMITTEE STATUS:

This item was not submitted to a Committee; however, the investment and interest rate swap reports are submitted to the Finance and Personnel Committee on a monthly basis.

RECOMMENDATION:

THAT THE BOARD RECEIVE AND FILE THE TREASURER'S INVESTMENT SUMMARY REPORT AND THE MONTHLY INTEREST RATE SWAP SUMMARY FOR JULY 2013; APPROVE THE JULY 2013 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$1,427,106 AND APPROVE THE JULY 2013 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 340674 THROUGH 341265, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$23,742,855.

LIST OF EXHIBITS:

- Exhibit "A" - Investment Summary Report
- Exhibit "B" - Monthly Interest Rate Swap Summary
- Exhibit "C" - Monthly Payroll ACH Summary
- Exhibit "D" - Monthly Summary of District Disbursements
- Exhibit "E" – Disclosure of Reimbursements to Board Members and Staff

07/31/13

SETTLEMENT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON	YIELD	YTPC	ORIGINAL COST	CARRY VALUE	MARKET VALUE 7/31/2013	(1) UNREALIZED GAIN/(LOSS)(2)	
07/15/13			08/31/13		LAIF	State of California Tsy.	\$50,000,000		0.260%		\$50,000,000.00	\$50,000,000.00	50,013,660.35	13,660.35	
07/30/13			08/31/13		LAIF-JPA	State of California Tsy.	21,000,000		0.260%		\$21,000,000.00	\$21,000,000.00	21,005,737.35	5,737.35	
07/15/13			08/17/13		LAIF BABS	State of California Tsy.	32,382,991		0.260%		\$32,382,990.54	\$32,382,990.54	32,391,837.80	8,847.26	
12/20/12	N/A	N/A	12/19/13	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	10,000,000	0.190%	0.183%		10,000,700.00	10,000,328.85	10,003,800.00	3,471.15	
04/24/12	N/A	N/A	12/23/13	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Bank	5,000,000	0.625%	0.304%		5,026,600.00	5,007,656.25	5,009,950.00	2,293.75	
07/11/12	N/A	N/A	02/25/14	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Bank	5,000,000	1.375%	0.301%		5,086,800.00	5,034,036.30	5,035,550.00	1,513.70	
05/23/12	N/A	N/A	05/23/14	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.350%	0.394%		4,995,600.00	4,998,035.07	5,007,400.00	9,364.93	
04/18/12	N/A	N/A	05/28/14	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.375%	0.354%		5,107,250.00	5,046,103.57	5,050,100.00	3,996.43	
01/30/12	One Time	01/30/14	01/30/15	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.750%	0.500%	0.500%	5,024,850.00	5,013,105.20	5,011,100.00	(2,005.20)	
01/30/12	One Time	01/30/14	01/30/15	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	10,000,000	0.750%	0.453%	0.453%	10,059,000.00	10,031,114.96	10,022,200.00	(8,914.96)	
02/09/12	Continuous	05/09/12	02/09/15	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.460%	0.480%	0.700%	4,997,000.00	4,998,390.51	5,000,200.00	1,809.49	
03/14/12	Continuous	09/12/12	03/12/15	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.550%	0.601%	0.855%	4,992,500.00	4,995,752.52	5,000,250.00	4,497.48	
04/29/13	Quarterly	10/29/13	04/29/15	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Bank	5,000,000	0.320%	0.310%	0.280%	5,001,000.00	5,000,913.70	4,996,800.00	(4,113.70)	
12/18/12	Continuous	03/18/13	06/18/15	Aaa/NA/NR	FFCB - Note	Fed Farm Credit Bank	10,000,000	0.320%	0.360%	0.720%	9,990,000.00	9,992,138.16	9,993,000.00	861.84	
12/27/12	Continuous	03/26/13	06/26/15	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	10,000,000	0.375%	0.375%	0.375%	10,000,000.00	10,000,000.00	10,000,300.00	300.00	
04/30/13	Continuous	07/15/13	07/15/15	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.290%	0.290%	0.290%	5,000,000.00	5,000,000.00	4,992,100.00	(7,900.00)	
08/28/12	Continuous	08/27/13	08/27/15	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	10,000,000	0.480%	0.480%	0.480%	10,000,000.00	10,000,000.00	10,003,000.00	3,000.00	
09/17/12	Continuous	09/17/13	09/17/15	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.480%	0.482%	0.482%	4,999,750.00	4,999,815.53	5,000,300.00	484.47	
09/17/12	Continuous	09/17/13	09/17/15	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.480%	0.455%	0.472%	5,001,250.00	5,000,922.37	5,000,300.00	(622.37)	
09/25/12	Quarterly	09/25/13	09/25/15	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Mortgage Bank	5,000,000	0.500%	0.470%	0.490%	5,001,500.00	5,001,117.81	4,996,875.00	(4,242.81)	
09/28/12	Continuous	12/28/12	09/28/15	NA/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.450%	0.470%	0.470%	4,997,000.00	4,997,756.16	5,000,200.00	2,443.84	
10/17/12	One Time 2yr	10/09/14	10/09/15	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.480%	0.460%	0.466%	5,002,000.00	5,001,527.14	4,997,800.00	(3,727.14)	
12/18/12	Continuous	03/18/13	12/18/15	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	10,000,000	0.400%	0.425%	0.701%	9,992,500.00	9,993,835.62	9,966,100.00	(27,735.62)	
12/21/12	Continuous	03/21/13	12/21/15	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.410%	0.418%	0.510%	4,998,750.00	4,998,969.18	4,985,156.00	(13,813.18)	
01/15/13	N/A	07/15/13	01/15/16	NA/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.375%	0.390%		4,997,750.00	4,997,936.99	4,977,950.00	(19,986.99)	
01/17/13	Quarterly	07/15/13	01/15/16	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.500%	0.500%	0.500%	5,000,000.00	5,000,000.00	4,983,350.00	(16,650.00)	
03/21/13	Quarterly	09/04/13	03/04/16	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.600%	0.566%	0.379%	5,005,000.00	5,004,564.47	4,982,700.00	(21,864.47)	
03/14/13	Continuous	09/07/13	03/07/16	Aaa/AA+/AAA	FHLB - Note	Fed Home Loan Bank	10,000,000	0.470%	0.490%		9,994,000.00	9,994,600.55	9,963,800.00	(30,800.55)	
05/22/13	Quarterly	08/28/13	03/28/16	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.650%	0.256%	0.613%	5,005,250.00	5,005,048.27	4,986,750.00	(18,298.27)	
04/12/13	Continuous	07/12/13	04/12/16	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.410%	0.447%	0.851%	4,994,500.00	4,994,901.46	4,973,900.00	(21,001.46)	
04/30/13	Quarterly	10/25/13	04/25/16	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.580%	0.536%	0.310%	5,006,550.00	5,006,177.77	4,972,850.00	(33,327.77)	
05/24/13	Quarterly	10/25/13	04/25/16	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	4,975,000	0.580%	0.568%	0.500%	4,976,641.75	4,976,408.48	4,947,985.75	(28,422.73)	
05/20/13	Quarterly	10/29/13	04/29/16	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.500%	0.500%	0.500%	5,000,000.00	5,000,000.00	4,966,900.00	(33,100.00)	
05/31/13	Quarterly	11/27/13	05/27/16	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.520%	0.585%	0.935%	4,990,000.00	4,990,283.88	4,973,300.00	(16,983.88)	
06/17/13	Monthly	07/13/13	06/17/16	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.750%	0.750%	0.750%	5,000,000.00	5,000,000.00	4,988,200.00	(11,800.00)	
03/14/13	Continuous	12/26/12	09/26/16	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.680%	0.683%		4,999,500.00	4,999,542.18	4,968,250.00	(31,292.18)	
SUB-TOTAL							\$303,357,991				\$303,626,232.29	\$303,463,973.49	\$303,169,652.25	(\$294,321.24)	
RESTRICTED CASH (Swap Collateral Deposits)															
					Collateral Deposit	Citi-Group	\$8,198,962		0.150%		\$8,198,962.04	\$8,198,962.04	8,198,962.04		
					Collateral Deposit	Merrill Lynch			0.150%						
SUB-TOTAL							\$8,198,962				\$8,198,962.04	\$8,198,962.04	\$8,198,962.04		
TOTAL INVESTMENTS							\$311,556,953				\$311,825,194.33	\$311,662,935.53	\$311,368,614.29		
					July	Petty Cash					3,300.00				
						Bank Bal.	Bank of America				4,134,738.54				
											\$315,963,232.87				

- (1) LAIF market value is as of the most recent quarter-end as reported by LAIF. Security market values are determined using Bank of New York ("Trading Prices"), Bloomberg and/or broker dealer pricing.
- (2) Gain (loss) calculated against carry value using the trading value provided by Bank of New York/or Brokers
- (3) Real estate rate of return is based on most recent quarter end return

Outstanding Variable Rate Debt	\$359,400,000
Net Outstanding Variable Rate Debt (Less \$130 million fixed-payer swaps)	\$229,400,000
Investment Balance:	\$315,963,233
Investment to Variable Rate Debt Ratio:	138%
Portfolio - Average Number of Days To Maturity	488

	Investment Portfolio	Real Estate Portfolio (3)	Weighted Avg. Return
July	0.37%	10.91%	2.32%
June	0.35%	10.91%	2.17%
Change	0.02%		

This Investment Summary Report is in conformity with the 2013 Investment Policy and provides sufficient liquidity to meet the next six months estimated expenditures.

IRVINE RANCH WATER DISTRICT
SUMMARY OF MATURITIES

07/31/13

DATE	TOTAL	%	LAIF	AGENCIES	COLLATERAL DEPOSIT	CAL REV NOTES
07/13	\$111,581,953	35.81%	\$103,382,991		\$8,198,962	
8/13						
09/13						
10/13						
11/13						
12/13	\$15,000,000	4.81%		15,000,000		
1/14						
2/14	\$5,000,000	1.60%		5,000,000		
3/14						
4/14						
5/14	\$10,000,000	3.21%		10,000,000		
6/14						
SUB-TOTAL	\$141,581,953	45.44%	\$103,382,991	\$30,000,000	\$8,198,962	
13 Months - 3 YEARS						
7/1/2014 - 9/30/2014	-					
10/1/2014 - 12/31/2014	-					
1/1/2015 - 3/31/2015	25,000,000	8.02%		25,000,000		
4/1/2015 - 6/30/2015	20,000,000	6.42%		20,000,000		
07/1/2015 - 9/30/2015	\$40,000,000	12.84%		40,000,000		
10/1/2015 - 12/30/15	\$20,000,000	6.42%		20,000,000		
01/01/16 - 03/31/2016	\$30,000,000	9.63%		30,000,000		
04/01/16 - 06/30/2016	\$29,975,000	9.62%		29,975,000		
07/01/16 - 9/30/2016	\$5,000,000	1.60%		5,000,000		
TOTALS	\$311,556,953	100.00%	\$103,382,991	\$199,975,000	\$8,198,962	

% OF PORTFOLIO

A-2

33.18%

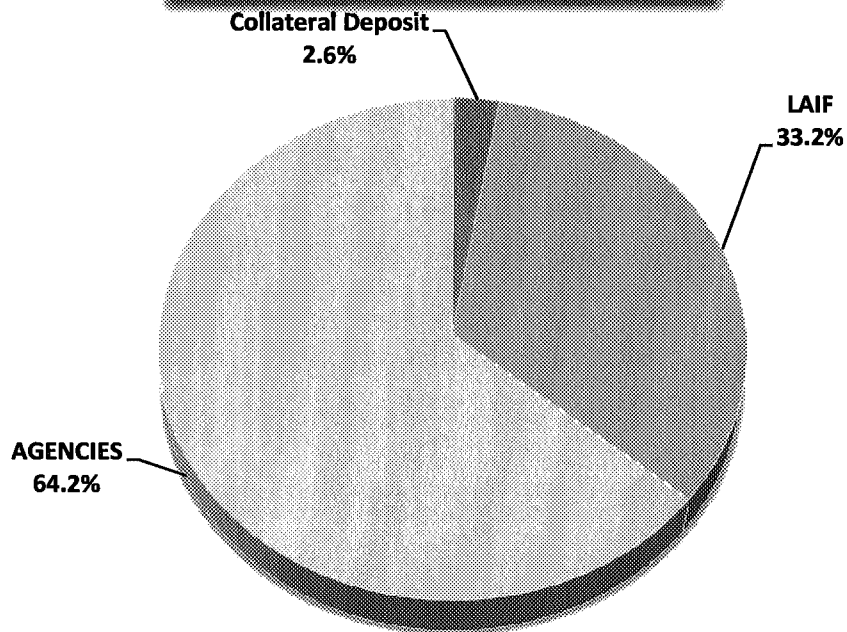
64.19%

2.63%

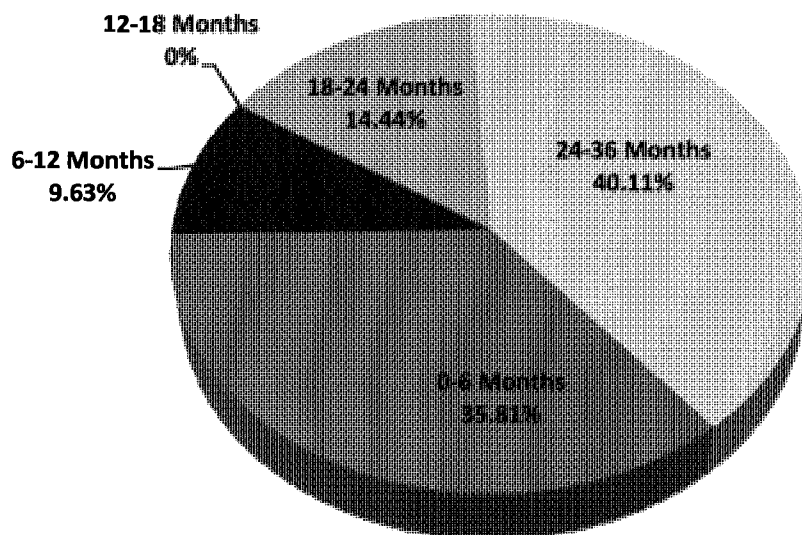
July 2013 INVESTMENT PORTFOLIO

July 31, 2013

Portfolio by Investment Type



Portfolio by Maturities



Irvine Ranch Water District
 Summary of Real Estate
 6/30/2013

	<u>ACQUISITION DATE</u>	<u>PROPERTY TYPE</u>	<u>OWNERSHIP INTEREST</u>	<u>ORIGINAL COST</u>	<u>RATE OF RETURN QUARTER ENDED Jun-13</u>
Sycamore Canyon	Dec-92	Apartments	Fee Simple	\$ 43,550,810	14.15%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	8.42%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	\$ 5,739,845	7.03%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	\$ 8,630,577	4.36%
Sand Canyon Professional Center	Jul-12	Medical Office	Fee Simple	\$ 8,648,594	5.38%
				<u>\$ 72,569,826</u>	<u>10.91%</u>

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

Joint Powers Agency - Investment Contracts

7/31/2013

Settlement Date	JPA Issue	Investment Contract	Original Cost	Current Par	Market Value 07/31/13
10/25/1994	JPA - Issue #1	AIG Matched Funding Corp. 7.705% Due 2-15-14	\$ 407,878,616	\$ 238,687,800	\$ 238,687,800
10/25/1994	JPA - Issue #2	Federal National Mortgage Assoc. 8.18% Due 2-15-14	\$ 518,644,189	\$ 365,300,641	\$ 382,206,755
			<u>\$ 926,522,805</u>	<u>\$ 603,988,441</u>	<u>\$ 620,894,555</u>

Exhibit "C"

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

July
2013

DATE	AMOUNT	VENDOR	PURPOSE
7/12/2013	713,563.69	BANK OF AMERICA	ACH Payments for Payroll
7/26/2013	713,541.99	BANK OF AMERICA	ACH Payments for Payroll
	<u>\$1,427,105.68</u>		

IRWD Ledger Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 1
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
340674		03-JUL-13	Amy McNulty		90.40	08-JUL-13	90.40	Reconciled
340675		03-JUL-13	Christine Compton		134.16	12-JUL-13	134.16	Reconciled
340676		03-JUL-13	Franklin Soto		27.12			Negotiable
340677		03-JUL-13	Karen Bonecki		32.25			Negotiable
340678		03-JUL-13	Malcolm Cortez		133.34	09-JUL-13	133.34	Reconciled
340679		03-JUL-13	Michele Drzymkowski		140.00	08-JUL-13	140.00	Reconciled
340680		03-JUL-13	Ricky Perry		40.00	12-JUL-13	40.00	Reconciled
340681		03-JUL-13	Todd Colvin		90.00	11-JUL-13	90.00	Reconciled
340682		03-JUL-13	AKM CONSULTING ENGINEERS, INC.		32,335.00	15-JUL-13	32,335.00	Reconciled
340683		03-JUL-13	ALEXANDER CONTRACT SERVICES INC		101,743.68	10-JUL-13	101,743.68	Reconciled
340684		03-JUL-13	APCO GRAPHICS INC		108.00	08-JUL-13	108.00	Reconciled
340685		03-JUL-13	APPLIED DIVING SERVICES INC		22,110.00	11-JUL-13	22,110.00	Reconciled
340686		03-JUL-13	ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA		34,018.30	11-JUL-13	34,018.30	Reconciled
340687		03-JUL-13	AT&T		54.48	08-JUL-13	54.48	Reconciled
340688		03-JUL-13	BADGER METER INC		14,323.50	11-JUL-13	14,323.50	Reconciled
340689		03-JUL-13	BAILEY, OFELIA		1,200.00	08-JUL-13	1,200.00	Reconciled
340690		03-JUL-13	BALLARD, CARL		1,800.00	11-JUL-13	1,800.00	Reconciled
340691		03-JUL-13	BECK, CINDY		1,800.00	22-JUL-13	1,800.00	Reconciled
340692		03-JUL-13	BILL'S SWEEPING SERVICE INC		805.00	08-JUL-13	805.00	Reconciled
340693		03-JUL-13	BIOMAGIC INC		3,182.41	08-JUL-13	3,182.41	Reconciled
340694		03-JUL-13	BLASICK, DIANE		1,080.00	10-JUL-13	1,080.00	Reconciled
340695		03-JUL-13	BOONE, CHUCK		1,620.00	08-JUL-13	1,620.00	Reconciled
340696		03-JUL-13	BRADLEY, CARRIE		1,800.00	05-JUL-13	1,800.00	Reconciled
340697		03-JUL-13	BREITER, JOE		1,800.00	10-JUL-13	1,800.00	Reconciled
340698		03-JUL-13	CANON SOLUTIONS AMERICA, INC.		219.12	05-JUL-13	219.12	Reconciled
340699		03-JUL-13	CELAYA, MARY		1,800.00	08-JUL-13	1,800.00	Reconciled
340700		03-JUL-13	CHEESMAN, ENRIQUE		1,680.00			Negotiable
340701		03-JUL-13	CITY OF NEWPORT BEACH		215.27	09-JUL-13	215.27	Reconciled
340702		03-JUL-13	COMMERCIAL CLEANING SYSTEMS		11,128.99	10-JUL-13	11,128.99	Reconciled
340703		03-JUL-13	COMMERCIAL COATING RESOURCE INC		20,589.00	12-JUL-13	20,589.00	Reconciled
340704		03-JUL-13	CONYBEARE INC		3,608.10	08-JUL-13	3,608.10	Reconciled
340705		03-JUL-13	CRESTLINE SPECIALTIES CO INC		3,402.55	08-JUL-13	3,402.55	Reconciled
340706		03-JUL-13	CRIM, RON		1,800.00	08-JUL-13	1,800.00	Reconciled
340707		03-JUL-13	CYBERNETICS		6,425.00	12-JUL-13	6,425.00	Reconciled

IRWD Ledger Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 2
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
340708		03-JUL-13	DCSE INC		4,280.00	05-JUL-13	4,280.00	Reconciled
340709		03-JUL-13	DEAKYNE, SCOTT		750.00	17-JUL-13	750.00	Reconciled
340710		03-JUL-13	DENGER, LOU		1,800.00	08-JUL-13	1,800.00	Reconciled
340711		03-JUL-13	ELECTRITEL SERVICES, INC.		1,969.12	08-JUL-13	1,969.12	Reconciled
340712		03-JUL-13	ERVIN, CRAIG J		1,800.00	08-JUL-13	1,800.00	Reconciled
340713		03-JUL-13	ESSCO PUMPS AND CONTROLS		41,806.82	12-JUL-13	41,806.82	Reconciled
340714		03-JUL-13	FERGUSON ENTERPRISES, INC.		6.38	05-JUL-13	6.38	Reconciled
340715		03-JUL-13	FIDELITY SECURITY LIFE INSURANCE COMPANY		5,969.80	11-JUL-13	5,969.80	Reconciled
340716		03-JUL-13	FIRST CHOICE SERVICES		308.64	10-JUL-13	308.64	Reconciled
340717		03-JUL-13	FLUID CONSERVATION SYSTEMS INC		187.00	09-JUL-13	187.00	Reconciled
340718		03-JUL-13	GEISER, DON		1,800.00	08-JUL-13	1,800.00	Reconciled
340719		03-JUL-13	GEORGE, JAYNE		1,260.00	09-JUL-13	1,260.00	Reconciled
340720		03-JUL-13	GOLDEN BELL PRODUCTS		2,530.00	08-JUL-13	2,530.00	Reconciled
340721		03-JUL-13	GONZALEZ, PETER		1,800.00	08-JUL-13	1,800.00	Reconciled
340722		03-JUL-13	HABIGER, STEVE		1,800.00	09-JUL-13	1,800.00	Reconciled
340723		03-JUL-13	HARDY & HARPER INC		9,850.00	09-JUL-13	9,850.00	Reconciled
340724		03-JUL-13	HASSETT, MARY KAY		1,800.00	10-JUL-13	1,800.00	Reconciled
340725		03-JUL-13	HEANEY, DAVID		1,800.00	05-JUL-13	1,800.00	Reconciled
340726		03-JUL-13	HILL BROTHERS		1,968.80	05-JUL-13	1,968.80	Reconciled

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
CHEMICAL COMPANY								
340727	03-JUL-13		HILLS, JOHN		900.00	12-JUL-13	900.00	Reconciled
340728	03-JUL-13		HOLLIDAY, MARY E		1,200.00	08-JUL-13	1,200.00	Reconciled
340729	03-JUL-13		INDUSTRIAL NETWORKING SOLUTIONS		647.78	08-JUL-13	647.78	Reconciled
340730	03-JUL-13		JOHANNESSEN, JOHNNIE		1,800.00	23-JUL-13	1,800.00	Reconciled
340731	03-JUL-13		JOHN G. ALEVIZOS D.O. INC.		62.40	08-JUL-13	62.40	Reconciled
340732	03-JUL-13		JOHN MICHAEL COVAS		134.00	16-JUL-13	134.00	Reconciled
340733	03-JUL-13		KILANI, ABDEL		1,620.00			Negotiable
340734	03-JUL-13		KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES		2,700.00	05-JUL-13	2,700.00	Reconciled
340735	03-JUL-13		KNUTH, MICHAEL C		900.00	05-JUL-13	900.00	Reconciled
340736	03-JUL-13		KOELLER NEBEKER CARLSON & HALUCK, LLP		292.50	11-JUL-13	292.50	Reconciled

IRWD Ledger Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 3
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
340737	03-JUL-13		KONVES, JIM		1,560.00	08-JUL-13	1,560.00	Reconciled
340738	03-JUL-13		LOCHRIDGE, DAVID		1,500.00	09-JUL-13	1,500.00	Reconciled
340739	03-JUL-13		LOOMIS, TERRELL		1,560.00	08-JUL-13	1,560.00	Reconciled
340740	03-JUL-13		LYNCH, JAN		1,000.00	09-JUL-13	1,000.00	Reconciled
340741	03-JUL-13		MACDONALD, BONNIE		1,400.00	08-JUL-13	1,400.00	Reconciled
340742	03-JUL-13		MAIN ELECTRIC SUPPLY COMPANY LLC		496.06	09-JUL-13	496.06	Reconciled
340743	03-JUL-13		MERCHANTS LANDSCAPE SERVICES INC		7,280.00	09-JUL-13	7,280.00	Reconciled
340744	03-JUL-13		MORALES, JACK		1,320.00	09-JUL-13	1,320.00	Reconciled
340745	03-JUL-13		NMG GEOTECHNICAL INC		16,906.80	18-JUL-13	16,906.80	Reconciled
340746	03-JUL-13		NOVACOAST INC		6,000.00	12-JUL-13	6,000.00	Reconciled
340747	03-JUL-13		NOVELL INC		9,000.00	10-JUL-13	9,000.00	Reconciled
340748	03-JUL-13		PALOMARES, JOHN		1,800.00	05-JUL-13	1,800.00	Reconciled
340749	03-JUL-13		PENCO ENGINEERING, INC.		994.50	05-JUL-13	994.50	Reconciled
340750	03-JUL-13		PHAM, BINH T		1,740.00	09-JUL-13	1,740.00	Reconciled
340751	03-JUL-13		POPESCU, LUMINITA		1,560.00	11-JUL-13	1,560.00	Reconciled
340752	03-JUL-13		PRAXAIR DISTRIBUTION INC		276.59	08-JUL-13	276.59	Reconciled
340753	03-JUL-13		PSOMAS		1,413.00	08-JUL-13	1,413.00	Reconciled
340754	03-JUL-13		RADWELL INTERNATIONAL INC		80.25	15-JUL-13	80.25	Reconciled
340755	03-JUL-13		RAINBOW DISPOSAL CO INC		506.33	05-JUL-13	506.33	Reconciled
340756	03-JUL-13		RICHARD C SLADE & ASSOCIATES		18,304.79	15-JUL-13	18,304.79	Reconciled
340757	03-JUL-13		ROSEDALE - RIO BRAVO		385,781.54	11-JUL-13	385,781.54	Reconciled
340758	03-JUL-13		SANCHEZ, AL		1,400.00	15-JUL-13	1,400.00	Reconciled
340759	03-JUL-13		SARBS-CALIFORNIA WATER		350.00			Negotiable
340760	03-JUL-13		SCHEAFER, TOM		1,740.00	08-JUL-13	1,740.00	Reconciled
340761	03-JUL-13		SCHINDLER ELEVATOR CORPORATION		176.40	08-JUL-13	176.40	Reconciled
340762	03-JUL-13		SIRIUS COMPUTER SOLUTIONS INC		29,085.16	11-JUL-13	29,085.16	Reconciled
340763	03-JUL-13		SKIDMORE GLENN D		1,560.00	08-JUL-13	1,560.00	Reconciled
340764	03-JUL-13		SOUTHERN CALIFORNIA EDISON COMPANY		43,734.37	05-JUL-13	43,734.37	Reconciled
340765	03-JUL-13		STANEART, JEFF		1,320.00	16-JUL-13	1,320.00	Reconciled
340766	03-JUL-13		SULTAN, SAID		1,800.00	10-JUL-13	1,800.00	Reconciled
340767	03-JUL-13		SUNDBERG, RANDY		1,800.00	22-JUL-13	1,800.00	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 4
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
340768	03-JUL-13		SUNNYHILLS RESTORATION		37,420.19	08-JUL-13	37,420.19	Reconciled
340769	03-JUL-13		SUPERMEDIA LLC		72.75	11-JUL-13	72.75	Reconciled
340770	03-JUL-13		TAHERI, IRAJ		1,800.00	08-JUL-13	1,800.00	Reconciled
340771	03-JUL-13		THOMSON, KRIS		1,440.00	15-JUL-13	1,440.00	Reconciled
340772	03-JUL-13		TIFT, TERESA		1,440.00	09-JUL-13	1,440.00	Reconciled
340773	03-JUL-13		TUCKER, TOM		1,800.00	08-JUL-13	1,800.00	Reconciled
340774	03-JUL-13		UEMATSU, PATRICIA		1,080.00	29-JUL-13	1,080.00	Reconciled

340775	03-JUL-13	UNITED PARCEL SERVICE INC	46.58	08-JUL-13	46.58	Reconciled
340776	03-JUL-13	UNITED STATES POST OFFICE	24,580.00	17-JUL-13	24,580.00	Reconciled
340777	03-JUL-13	UNITED STATES POSTAL SERVICE	70,000.00	11-JUL-13	70,000.00	Reconciled
340778	03-JUL-13	VA CONSULTING, INC	122.19	05-JUL-13	122.19	Reconciled
340779	03-JUL-13	VELAZQUEZ, LORETTA	1,800.00	10-JUL-13	1,800.00	Reconciled
340780	03-JUL-13	VERIZON CALIFORNIA INC	239.41	09-JUL-13	239.41	Reconciled
340781	03-JUL-13	WALKER, JOHN	700.00	05-JUL-13	700.00	Reconciled
340782	03-JUL-13	WALSH, SANDY	1,140.00	08-JUL-13	1,140.00	Reconciled
340783	03-JUL-13	WASTE MANAGEMENT OF ORANGE COUNTY	1,712.15	08-JUL-13	1,712.15	Reconciled
340784	03-JUL-13	WELLS, JANET	1,800.00	08-JUL-13	1,800.00	Reconciled
340785	03-JUL-13	WESTERN EXTERMINATOR COMPANY	7,847.50	17-JUL-13	7,847.50	Reconciled
340786	03-JUL-13	ZEBRON CONTRACTING INC	8,710.00	11-JUL-13	8,710.00	Reconciled
340787	08-JUL-13	KHARE, ANJALI & SHREEKANT PURCHASE	7,570.90	10-JUL-13	7,570.90	Reconciled
340788	11-JUL-13	Anthony Brunning	300.00	15-JUL-13	300.00	Reconciled
340789	11-JUL-13	Chris Kinner	87.00			Negotiable
340790	11-JUL-13	Jane Shafer	306.00	16-JUL-13	306.00	Reconciled
340791	11-JUL-13	Kenneth Erwin	351.61	15-JUL-13	351.61	Reconciled
340792	11-JUL-13	Lyndy Lewis	98.00	23-JUL-13	98.00	Reconciled
340793	11-JUL-13	Steven Malloy	25.00	15-JUL-13	25.00	Reconciled
340794	11-JUL-13	AIRGAS-WEST, INC.	823.83	15-JUL-13	823.83	Reconciled
340795	11-JUL-13	AMERICAN MESSAGING SERVICES LLC	292.51	16-JUL-13	292.51	Reconciled
340796	11-JUL-13	ANTHEM BLUE CROSS	562.26	17-JUL-13	562.26	Reconciled
340797	11-JUL-13	APPLIED DIVING SERVICES INC	11,730.00	18-JUL-13	11,730.00	Reconciled
340798	11-JUL-13	APPLIED TECHNOLOGY GROUP INC	3,887.96	16-JUL-13	3,887.96	Reconciled
340799	11-JUL-13	ARCADIS U.S., INC.	3,014.00	16-JUL-13	3,014.00	Reconciled
340800	11-JUL-13	AT&T	76.34	17-JUL-13	76.34	Reconciled

IRWD Ledger Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 5
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
340801		11-JUL-13	AT&T		345.08	22-JUL-13	345.08	Reconciled
340802		11-JUL-13	AT&T		6,443.93	19-JUL-13	6,443.93	Reconciled
340803		11-JUL-13	ATHENS SERVICES		2,274.60	17-JUL-13	2,274.60	Reconciled
340804		11-JUL-13	BELL TOWER FLORIST & GIFTS		99.35	24-JUL-13	99.35	Reconciled
340805		11-JUL-13	BETTERCOM, INC.		2,085.17	15-JUL-13	2,085.17	Reconciled
340806		11-JUL-13	BIGWIG MONSTER, LLC		9,600.00	16-JUL-13	9,600.00	Reconciled
340807		11-JUL-13	BIOENERGY ASSOCIATION OF CALIFORNIA		1,000.00	17-JUL-13	1,000.00	Reconciled
340808		11-JUL-13	BIOMAGIC INC		3,076.06	16-JUL-13	3,076.06	Reconciled
340809		11-JUL-13	BORCHARD SURVEYING & MAPPING, INC.		4,855.00	25-JUL-13	4,855.00	Reconciled
340810		11-JUL-13	BOYD & ASSOCIATES		3,453.00	15-JUL-13	3,453.00	Reconciled
340811		11-JUL-13	BRITHINEE ELECTRIC		4,529.83	15-JUL-13	4,529.83	Reconciled
340812		11-JUL-13	C WELLS PIPELINE MATERIALS INC		4,810.77	22-JUL-13	4,810.77	Reconciled
340813		11-JUL-13	CALIFORNIA BARRICADE INC		910.00	16-JUL-13	910.00	Reconciled
340814		11-JUL-13	CALSENSE		60.00	16-JUL-13	60.00	Reconciled
340815		11-JUL-13	CAMPBELL SCIENTIFIC INC		2,784.21	16-JUL-13	2,784.21	Reconciled
340816		11-JUL-13	CANON FINANCIAL SERVICES, INC		7,970.92	18-JUL-13	7,970.92	Reconciled
340817		11-JUL-13	CAPTIVE AUDIENCE MARKETING INC.		85.32	16-JUL-13	85.32	Reconciled
340818		11-JUL-13	CARL WARREN & CO		5,162.28	18-JUL-13	5,162.28	Reconciled
340819		11-JUL-13	CITY OF IRVINE		559.02	15-JUL-13	559.02	Reconciled
340820		11-JUL-13	CLEAN ENERGY FUELS		1,150.79	17-JUL-13	1,150.79	Reconciled
340821		11-JUL-13	CLEARINGHOUSE		528.45	15-JUL-13	528.45	Reconciled
340822		11-JUL-13	CONEYBEARE INC		25,319.27	18-JUL-13	25,319.27	Reconciled
340823		11-JUL-13	COX COMMUNICATIONS		128.08	15-JUL-13	128.08	Reconciled
340824		11-JUL-13	CREDENTIAL CHECK CORPORATION		20.84	16-JUL-13	20.84	Reconciled
340825		11-JUL-13	DEE JASPAR & ASSOCIATES, INC.		772.29	15-JUL-13	772.29	Reconciled
340826		11-JUL-13	DIRECTV INC		94.99	18-JUL-13	94.99	Reconciled
340827		11-JUL-13	DUDEK		2,587.50	16-JUL-13	2,587.50	Reconciled
340828		11-JUL-13	EDWARD KIM		150.00	30-JUL-13	150.00	Reconciled
340829		11-JUL-13	ELECTRICAL SYSTEMS ENGINEERING CO		8,845.00	18-JUL-13	8,845.00	Reconciled
340830		11-JUL-13	EMPLOYEE BENEFIT SPECIALIST, INC		660.00	16-JUL-13	660.00	Reconciled
340831		11-JUL-13	ENDRESS AND HAUSER INC		883.00	16-JUL-13	883.00	Reconciled

340873	11-JUL-13	NATURES IMAGE INC	2,134.95	16-JUL-13	2,134.95	Reconciled
340874	11-JUL-13	NMG GEOTECHNICAL INC	4,062.20	18-JUL-13	4,062.20	Reconciled
340875	11-JUL-13	OLIN CORPORATION	27,262.44	18-JUL-13	27,262.44	Reconciled
340876	11-JUL-13	ONESOURCE DISTRIBUTORS LLC	318.73	15-JUL-13	318.73	Reconciled
340877	11-JUL-13	ORANGE COUNTY SHERIFF'S OFFICE	858.54			Negotiable
340878	11-JUL-13	ORANGE COUNTY VECTOR CONTROL DISTRICT	535.74	19-JUL-13	535.74	Reconciled
340879	11-JUL-13	ORANGE, COUNTY OF	24,268.70	16-JUL-13	24,268.70	Reconciled
340880	11-JUL-13	OUTSOURCE TECHNICAL LLC	5,985.00	16-JUL-13	5,985.00	Reconciled
340881	11-JUL-13	PACIFIC COAST BOLT CORP	910.98	16-JUL-13	910.98	Reconciled
340882	11-JUL-13	PACIFIC PARTS & CONTROLS INC	721.51	15-JUL-13	721.51	Reconciled
340883	11-JUL-13	PARKHOUSE TIRE INC	770.00	17-JUL-13	770.00	Reconciled

IRWD Ledger Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 8
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
340884		11-JUL-13	PENHALL COMPANY		385.00	15-JUL-13	385.00	Reconciled
340885		11-JUL-13	PERS LONG TERM CARE		852.57	17-JUL-13	852.57	Reconciled
340886		11-JUL-13	POLLARDWATER.COM		1,636.31	16-JUL-13	1,636.31	Reconciled
340887		11-JUL-13	PRINCIPAL LIFE INSURANCE		25,352.75	22-JUL-13	25,352.75	Reconciled
340888		11-JUL-13	PRUDENTIAL OVERALL SUPPLY		4,365.62	16-JUL-13	4,365.62	Reconciled
340889		11-JUL-13	QUALITY LAWN SERVICE		300.00	15-JUL-13	300.00	Reconciled
340890		11-JUL-13	R & S SOIL PRODUCTS INC		842.40	17-JUL-13	842.40	Reconciled
340891		11-JUL-13	R&B AUTOMATION INC		2,700.98	15-JUL-13	2,700.98	Reconciled
340892		11-JUL-13	RAM AIR ENGINEERING INC		2,266.17			Negotiable
340893		11-JUL-13	RBF CONSULTING		2,307.50	16-JUL-13	2,307.50	Reconciled
340894		11-JUL-13	REACH EMPLOYEE ASSISTANCE INC		865.20	16-JUL-13	865.20	Reconciled
340895		11-JUL-13	REED, JAMES D		1,950.65	22-JUL-13	1,950.65	Reconciled
340896		11-JUL-13	ROSEDALE - RIO BRAVO		25,737.29	18-JUL-13	25,737.29	Reconciled
340897		11-JUL-13	SANTA ANA BLUE PRINT		776.16	17-JUL-13	776.16	Reconciled
340898		11-JUL-13	SHAMROCK SUPPLY CO INC		1,493.37	16-JUL-13	1,493.37	Reconciled
340899		11-JUL-13	SIMI VALLEY LANDFILL AND RECYCLING CENTER		876.68	17-JUL-13	876.68	Reconciled
340900		11-JUL-13	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		1,186.95	29-JUL-13	1,186.95	Reconciled
340901		11-JUL-13	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		167.65	23-JUL-13	167.65	Reconciled
340902		11-JUL-13	SOUTH COAST WATER CO.		40.00	16-JUL-13	40.00	Reconciled
340903		11-JUL-13	SOUTH COAST WATER DISTRICT		46.60	16-JUL-13	46.60	Reconciled
340904		11-JUL-13	SOUTHERN CALIFORNIA EDISON COMPANY		218,257.63	15-JUL-13	218,257.63	Reconciled
340905		11-JUL-13	SOUTHERN COUNTIES LUBRICANTS LLC		1,473.29	15-JUL-13	1,473.29	Reconciled
340906		11-JUL-13	SOUTHLAND WATER TECHNOLOGIES LLC		565.00	23-JUL-13	565.00	Reconciled
340907		11-JUL-13	SPARKLETT'S		236.64	17-JUL-13	236.64	Reconciled

IRWD Ledger Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 9
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
340908		11-JUL-13	SPARLING INSTRUMENTS LLC		1,053.46	15-JUL-13	1,053.46	Reconciled
340909		11-JUL-13	STATE BOARD OF EQUALIZATION		156.59	17-JUL-13	156.59	Reconciled
340910		11-JUL-13	SUNNYHILLS RESTORATION		24,878.24	15-JUL-13	24,878.24	Reconciled
340911		11-JUL-13	T AND S LARSEN MAINTENANCE		600.00	15-JUL-13	600.00	Reconciled

340912	11-JUL-13	THE GAS COMPANY	148.79	19-JUL-13	148.79	Reconciled
340913	11-JUL-13	THE GITTELMAN GROUP	9,708.75	17-JUL-13	9,708.75	Reconciled
340914	11-JUL-13	THYSSENKRUPP ELEVATOR	217.19	16-JUL-13	217.19	Reconciled
340915	11-JUL-13	TROPICAL PLAZA NURSERY INC	2,126.00	15-JUL-13	2,126.00	Reconciled
340916	11-JUL-13	TRUCPARCO	305.69	18-JUL-13	305.69	Reconciled
340917	11-JUL-13	TRUGREEN LANDCARE LLC	2,450.00	16-JUL-13	2,450.00	Reconciled
340918	11-JUL-13	TYCO INTEGRATED SECURITY, LLC	3,252.44	17-JUL-13	3,252.44	Reconciled
340919	11-JUL-13	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA				
340920	11-JUL-13	UNITED PARCEL SERVICE INC	36.70	16-JUL-13	36.70	Reconciled
340921	11-JUL-13	UNITED STATES POSTAL SERVICE	3,452.76	16-JUL-13	3,452.76	Reconciled
340922	11-JUL-13	UNITED STATES POSTAL SERVICE	54.30	18-JUL-13	54.30	Reconciled
340923	11-JUL-13	URS CORPORATION	10,940.00	18-JUL-13	10,940.00	Reconciled
340924	11-JUL-13	US PEROXIDE LLC	16,086.92	18-JUL-13	16,086.92	Reconciled
340925	11-JUL-13	USA BLUEBOOK	507.33	18-JUL-13	507.33	Reconciled
340926	11-JUL-13	VA CONSULTING, INC	328.50	15-JUL-13	328.50	Reconciled
340927	11-JUL-13	VERIZON WIRELESS SERVICES LLC	402.96	16-JUL-13	402.96	Reconciled
340928	11-JUL-13	VPSI INC	7,463.45	18-JUL-13	7,463.45	Reconciled
340929	11-JUL-13	WASTE MANAGEMENT OF ORANGE COUNTY	3,134.73	17-JUL-13	3,134.73	Reconciled
340930	11-JUL-13	WATER RESEARCH FOUNDATION	5,964.09	23-JUL-13	5,964.09	Reconciled
340931	11-JUL-13	WAXIE'S ENTERPRISES, INC	949.21	16-JUL-13	949.21	Reconciled
340932	11-JUL-13	WECK LABORATORIES INC	2,275.00	17-JUL-13	2,275.00	Reconciled

IRWD Ledger Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 10
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
340933		11-JUL-13	WEST COAST SAND & GRAVEL INC.		1,029.46	16-JUL-13	1,029.46	Reconciled
340934		11-JUL-13	WIRELESS WATCHDOGS, LLC		920.00			Negotiable
340935		11-JUL-13	WORKFLOWONE		348.32	16-JUL-13	348.32	Reconciled
340936		11-JUL-13	WORKSRIGHT SOFTWARE INC		5,000.00	18-JUL-13	5,000.00	Reconciled
340937		11-JUL-13	YORKE ENGINEERING LLC		1,701.11	15-JUL-13	1,701.11	Reconciled
340938		11-JUL-13	ZEE MEDICAL SERVICE CO		72.25	15-JUL-13	72.25	Reconciled
340939		11-JUL-13	STATE WATER RESOURCES CONTROL BOARD	SACRAMENTO	194,145.30	15-JUL-13	194,145.30	Reconciled
340940		18-JUL-13	SOUTHERN CALIFORNIA EDISON COMPANY	ROSEMEAD 2	3,000.00			Negotiable
340941		18-JUL-13	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	21,245.10	29-JUL-13	21,245.10	Reconciled
340942		18-JUL-13	ORANGE COUNTY SANITATION DISTRICT	FOUNTAIN VALLEY	1,570.00	19-JUL-13	1,570.00	Reconciled
340943		18-JUL-13	Brandon Bowman		139.30	29-JUL-13	139.30	Reconciled
340944		18-JUL-13	Christine Compton		32.77	29-JUL-13	32.77	Reconciled
340945		18-JUL-13	Fiona Sanchez		5.25	24-JUL-13	5.25	Reconciled
340946		18-JUL-13	Leslie Bonkowski		240.10	19-JUL-13	240.10	Reconciled
340947		18-JUL-13	3M COMPANY		309.42	22-JUL-13	309.42	Reconciled
340948		18-JUL-13	A & Y ASPHALT CONTRACTORS INC		10,773.00	24-JUL-13	10,773.00	Reconciled
340949		18-JUL-13	AD WILSON INC		502.04	23-JUL-13	502.04	Reconciled
340950		18-JUL-13	ADS LLC		1,991.00	22-JUL-13	1,991.00	Reconciled
340951		18-JUL-13	ANDERSONPENNA PARTNERS, INC		16,907.50	24-JUL-13	16,907.50	Reconciled
340952		18-JUL-13	APD CONSULTANTS INC		2,350.00	22-JUL-13	2,350.00	Reconciled
340953		18-JUL-13	ARCADIS U.S., INC.		32,480.25	29-JUL-13	32,480.25	Reconciled
340954		18-JUL-13	ARIZONA PIPELINE CO		957.11			Negotiable
340955		18-JUL-13	ASHFORD, WALT		850.43	22-JUL-13	850.43	Reconciled
340956		18-JUL-13	AT&T		80.95	24-JUL-13	80.95	Reconciled
340957		18-JUL-13	AT&T		5,075.06	29-JUL-13	5,075.06	Reconciled
340958		18-JUL-13	AT&T		123.11	25-JUL-13	123.11	Reconciled
340959		18-JUL-13	ATHENS SERVICES		10,975.68	23-JUL-13	10,975.68	Reconciled
340960		18-JUL-13	BALTA, TALIN		94.67	22-JUL-13	94.67	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 11

Bank Account Currency: USD (US Dollar)
 Payment Type: All

Payment Currency: USD (US Dollar)
 Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
340961		18-JUL-13	BEST DRILLING AND PUMP, INC.		68,576.75	24-JUL-13	68,576.75	Reconciled
340962		18-JUL-13	BETTERCOM, INC.		27,046.91	25-JUL-13	27,046.91	Reconciled
340963		18-JUL-13	BEYERSDORF, BRIAN		152.56			Negotiable
340964		18-JUL-13	BIOMAGIC INC		7,592.95	24-JUL-13	7,592.95	Reconciled
340965		18-JUL-13	BK FOUNTAIN WORKS		736.94	22-JUL-13	736.94	Reconciled
340966		18-JUL-13	BORCHARD SURVEYING & MAPPING, INC.		4,550.00			Negotiable
340967		18-JUL-13	BUCKNER, SHANNON		93.76	22-JUL-13	93.76	Reconciled
340968		18-JUL-13	C W DRIVER		1,714.03	23-JUL-13	1,714.03	Reconciled
340969		18-JUL-13	C WELLS PIPELINE MATERIALS INC		19,535.04			Negotiable
340970		18-JUL-13	CALIFORNIA BARRICADE INC		4,312.50	19-JUL-13	4,312.50	Reconciled
340971		18-JUL-13	CANON FINANCIAL SERVICES, INC		3,866.40	22-JUL-13	3,866.40	Reconciled
340972		18-JUL-13	CANON SOLUTIONS AMERICA, INC.		5,020.37	23-JUL-13	5,020.37	Reconciled
340973		18-JUL-13	CARL WARREN & CO		860.16	22-JUL-13	860.16	Reconciled
340974		18-JUL-13	CHEM TECH INTERNATIONAL INC		9,847.20	29-JUL-13	9,847.20	Reconciled
340975		18-JUL-13	CHEN, XINYI		87.59			Negotiable
340976		18-JUL-13	CITIGROUP GLOBAL MARKETS INC.		3,384.45	24-JUL-13	3,384.45	Reconciled
340977		18-JUL-13	CITY OF NEWPORT BEACH		74.09	24-JUL-13	74.09	Reconciled
340978		18-JUL-13	CLICKATELL, INC.		75.00	23-JUL-13	75.00	Reconciled
340979		18-JUL-13	CNC ENGINEERING, INC		2,280.00	25-JUL-13	2,280.00	Reconciled
340980		18-JUL-13	CONDITION MONITORING SERVICES INC		4,927.50	23-JUL-13	4,927.50	Reconciled
340981		18-JUL-13	CONEYBEARE INC		10,761.04	25-JUL-13	10,761.04	Reconciled
340982		18-JUL-13	COUNTY OF ORANGE		5,193.32	25-JUL-13	5,193.32	Reconciled
340983		18-JUL-13	COX COMMUNICATIONS		849.00	22-JUL-13	849.00	Reconciled
340984		18-JUL-13	CR & R INCORPORATED		12.30	24-JUL-13	12.30	Reconciled
340985		18-JUL-13	CS-AMSCO		7,115.04	29-JUL-13	7,115.04	Reconciled
340986		18-JUL-13	CSAC EXCESS INSURANCE AUTHORITY		448,330.00	24-JUL-13	448,330.00	Reconciled
340987		18-JUL-13	DATA CLEAN CORPORATION		513.25	23-JUL-13	513.25	Reconciled
340988		18-JUL-13	David Paulson		1,286.63	22-JUL-13	1,286.63	Reconciled
340989		18-JUL-13	DISCOVERY SCIENCE CENTER		15,331.68	24-JUL-13	15,331.68	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 12
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
340990		18-JUL-13	EAGLE GRAPHICS, INC		7,532.42	23-JUL-13	7,532.42	Reconciled
340991		18-JUL-13	ENVIRON INTERNATIONAL CORP.		3,710.53	22-JUL-13	3,710.53	Reconciled
340992		18-JUL-13	ENVIRONMENTAL CONSTRUCTION INC		477.35			Negotiable
340993		18-JUL-13	FEDEX		378.53	23-JUL-13	378.53	Reconciled
340994		18-JUL-13	FELDMAN, FLORA		548.42	25-JUL-13	548.42	Reconciled
340995		18-JUL-13	FERGUSON ENTERPRISES, INC.		4,315.12	22-JUL-13	4,315.12	Reconciled
340996		18-JUL-13	FIRE EXTINGUISHING SAFETY & SERVICE		10,831.89	30-JUL-13	10,831.89	Reconciled
340997		18-JUL-13	FIRE SAFETY FIRST		868.92	19-JUL-13	868.92	Reconciled
340998		18-JUL-13	FIRST CHOICE SERVICES		337.02	22-JUL-13	337.02	Reconciled
340999		18-JUL-13	FISHER SCIENTIFIC COMPANY LLC		317.05	22-JUL-13	317.05	Reconciled
341000		18-JUL-13	FLEET SOLUTIONS LLC		4,066.85	23-JUL-13	4,066.85	Reconciled
341001		18-JUL-13	FS BRAINARD & COMPANY		9,520.00	25-JUL-13	9,520.00	Reconciled
341002		18-JUL-13	G & G PLUMBING		1,002.38			Negotiable
341003		18-JUL-13	GADHIYA, MANOJ		11.57			Negotiable
341004		18-JUL-13	GALLADE CHEMICAL INC		399.60	29-JUL-13	399.60	Reconciled
341005		18-JUL-13	GCI CONSTRUCTION, INC.		33,892.16			Negotiable
341006		18-JUL-13	GOOGLE INC.		1,142.28	22-JUL-13	1,142.28	Reconciled

341007	18-JUL-13	GRAINGER	1,148.89	23-JUL-13	1,148.89	Reconciled
341008	18-JUL-13	GRAYBAR ELECTRIC COMPANY	631.51	22-JUL-13	631.51	Reconciled
341009	18-JUL-13	HAN, HONG	89.06			Negotiable
341010	18-JUL-13	HARRINGTON INDUSTRIAL PLASTICS LLC	375.35	19-JUL-13	375.35	Reconciled
341011	18-JUL-13	HASTINGS, DEBORAH	4.92			Negotiable
341012	18-JUL-13	HDR ENGINEERING INC	5,940.43			Negotiable
341013	18-JUL-13	HEWLETT PACKARD CO	17,126.34			Negotiable
341014	18-JUL-13	HILL BROTHERS CHEMICAL COMPANY	5,698.60	23-JUL-13	5,698.60	Reconciled
341015	18-JUL-13	HILLEBRAND, JANE	23.11	22-JUL-13	23.11	Reconciled
341016	18-JUL-13	HOME DEPOT USA INC	772.31	23-JUL-13	772.31	Reconciled
341017	18-JUL-13	HSU, FLORA	15.00			Negotiable
341018	18-JUL-13	HUANG, DAVID	1,028.08	22-JUL-13	1,028.08	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 13
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
341019		18-JUL-13	HYDRO-SCAPE PRODUCTS INC		370.25	22-JUL-13	370.25	Reconciled
341020		18-JUL-13	IEM CORPORATION		41,531.55	25-JUL-13	41,531.55	Reconciled
341021		18-JUL-13	II FUELS INC		17,275.61	24-JUL-13	17,275.61	Reconciled
341022		18-JUL-13	INDUSTRIAL ELECTRIC MACHINERY LLC		5,864.12			Negotiable
341023		18-JUL-13	INDUSTRIAL METAL SUPPLY CO		85.03	22-JUL-13	85.03	Reconciled
341024		18-JUL-13	IRON MOUNTAIN INFORMATION MANAGEMENT INC		1,664.18	22-JUL-13	1,664.18	Reconciled
341025		18-JUL-13	IRVINE COMMUNITY DEVELOPMENT COMPANY LLC		1,617,604.47	29-JUL-13	1,617,604.47	Reconciled
341026		18-JUL-13	IRVINE PIPE & SUPPLY INC		316.04	19-JUL-13	316.04	Reconciled
341027		18-JUL-13	JAHANBIN, SINA		15.00	30-JUL-13	15.00	Reconciled
341028		18-JUL-13	JCI JONES CHEMICALS INC		8,930.31	29-JUL-13	8,930.31	Reconciled
341029		18-JUL-13	JOHN G. ALEVIZOS D.O. INC.		508.00	22-JUL-13	508.00	Reconciled
341030		18-JUL-13	KNOBBE, LINDA		30.52	24-JUL-13	30.52	Reconciled
341031		18-JUL-13	LE, GORETTI		74.40	22-JUL-13	74.40	Reconciled
341032		18-JUL-13	LEWIS OPERATING CORP		800.00	22-JUL-13	800.00	Reconciled
341033		18-JUL-13	LI, LING		30.31			Negotiable
341034		18-JUL-13	LIGHTING RESOURCES, LLC		3,976.95	22-JUL-13	3,976.95	Reconciled
341035		18-JUL-13	LOVETTE, SERAPHINA		39.86			Negotiable
341036		18-JUL-13	LUBRICATION ENGINEERS, INC.		1,983.91	22-JUL-13	1,983.91	Reconciled
341037		18-JUL-13	MAMOLA, CHRISTOPHER		36.10	25-JUL-13	36.10	Reconciled
341038		18-JUL-13	MARK COMPANY		526.03			Negotiable
341039		18-JUL-13	MARKS, JOHN D		3,982.72	23-JUL-13	3,982.72	Reconciled
341040		18-JUL-13	MARTINEZ, EDGAR		24.02			Negotiable
341041		18-JUL-13	MC FADDEN-DALE INDUSTRIAL		95.36	22-JUL-13	95.36	Reconciled
341042		18-JUL-13	MC MASTER CARR SUPPLY CO		1,740.97	22-JUL-13	1,740.97	Reconciled
341043		18-JUL-13	MERCHANTS LANDSCAPE SERVICES INC		3,740.37	19-JUL-13	3,740.37	Reconciled
341044		18-JUL-13	MISSION COMMUNICATIONS LLC		347.40	23-JUL-13	347.40	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 14
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
341045		18-JUL-13	MORNINGSIDE RECOVERY		137.84	23-JUL-13	137.84	Reconciled
341046		18-JUL-13	MSC INDUSTRIAL SUPPLY CO		624.16	25-JUL-13	624.16	Reconciled
341047		18-JUL-13	MWH AMERICAS INC		550.00	22-JUL-13	550.00	Reconciled
341048		18-JUL-13	NATIONAL READY MIXED CONCRETE CO		1,047.56	22-JUL-13	1,047.56	Reconciled
341049		18-JUL-13	NCM DEMOLITION & REMEDIATION		718.42	19-JUL-13	718.42	Reconciled
341050		18-JUL-13	NINYO & MOORE		7,910.12	25-JUL-13	7,910.12	Reconciled

341051	18-JUL-13	NMG GEOTECHNICAL INC		7,220.90			Negotiable
341052	18-JUL-13	NORONHA, VERNON		48.98			Negotiable
341053	18-JUL-13	NOWROOZI, FRED		11.84			Negotiable
341054	18-JUL-13	OCTA		980.00	23-JUL-13	980.00	Reconciled
341055	18-JUL-13	OHLSON, MATT		68.60			Negotiable
341056	18-JUL-13	OLIN CORPORATION		19,521.16	25-JUL-13	19,521.16	Reconciled
341057	18-JUL-13	OLIVER-MAHON ASPHALT INC		942.27	25-JUL-13	942.27	Reconciled
341058	18-JUL-13	ONESOURCE DISTRIBUTORS LLC		7,693.26	24-JUL-13	7,693.26	Reconciled
341059	18-JUL-13	ORANGE COUNTY TREASURER		7,785.50	24-JUL-13	7,785.50	Reconciled
341060	18-JUL-13	ORANGE COUNTY VECTOR CONTROL DISTRICT		327.11	19-JUL-13	327.11	Reconciled
341061	18-JUL-13	ORANGE COUNTY WATER DISTRICT		23,505.20	23-JUL-13	23,505.20	Reconciled
341062	18-JUL-13	PACIFIC GAS AND ELECTRIC COMPANY		22.67	23-JUL-13	22.67	Reconciled
341063	18-JUL-13	PACIFIC WEST COMM INC		721.04	19-JUL-13	721.04	Reconciled
341064	18-JUL-13	PAPER DEPOT DOCUMENT DESTRUCTION LLC		763.00	19-JUL-13	763.00	Reconciled
341065	18-JUL-13	PARADA PAINTING INC		28,530.35	29-JUL-13	28,530.35	Reconciled
341066	18-JUL-13	PAUL E BRADLEY INC		405.00			Negotiable
341067	18-JUL-13	PAULUS ENGINEERING INC		420,235.07	23-JUL-13	420,235.07	Reconciled
341068	18-JUL-13	PILOT PAINTING & CONSTRUCTION		458.82	22-JUL-13	458.82	Reconciled
341069	18-JUL-13	PINNACLE LANDSCAPE COMPANY		100.33	22-JUL-13	100.33	Reconciled
341070	18-JUL-13	PINNACLE TOWERS LLC		592.11	22-JUL-13	592.11	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 15
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
341071		18-JUL-13	PRAXAIR DISTRIBUTION INC		924.07	24-JUL-13	924.07	Reconciled
341072		18-JUL-13	PSB INTEGRATED MARKETING		412.50	19-JUL-13	412.50	Reconciled
341073		18-JUL-13	QUALITY LAWN SERVICE		670.00	22-JUL-13	670.00	Reconciled
341074		18-JUL-13	RAM AIR ENGINEERING INC		810.00			Negotiable
341075		18-JUL-13	RANCHO TIERRA APTS		26.23			Negotiable
341076		18-JUL-13	READINGER REAL ESTATE SERVICES		16.18	19-JUL-13	16.18	Reconciled
341077		18-JUL-13	RECYCLE DESIGN INC		381.67	23-JUL-13	381.67	Reconciled
341078		18-JUL-13	REFRIGERATION SUPPLIES		928.47	22-JUL-13	928.47	Reconciled
341079		18-JUL-13	RICHARD C SLADE & ASSOCIATES		3,746.50	29-JUL-13	3,746.50	Reconciled
341080		18-JUL-13	RINGCLEAR LLC		48.36	23-JUL-13	48.36	Reconciled
341081		18-JUL-13	ROSEDALE - RIO BRAVO		14,033.52	25-JUL-13	14,033.52	Reconciled
341082		18-JUL-13	ROSENDIN ELECTRIC INC		775.52			Negotiable
341083		18-JUL-13	RRM DESIGN GROUP		3,116.75	23-JUL-13	3,116.75	Reconciled
341084		18-JUL-13	SAN CARLOS APTS		63.42			Negotiable
341085		18-JUL-13	SANDERS PAVING INC		14,298.00	23-JUL-13	14,298.00	Reconciled
341086		18-JUL-13	SANTA ANA BLUE PRINT		397.69	19-JUL-13	397.69	Reconciled
341087		18-JUL-13	SANTA ANA CITY OF		52.62	22-JUL-13	52.62	Reconciled
341088		18-JUL-13	SANTIAGO AQUEDUCT COMMISSION		34,163.40	23-JUL-13	34,163.40	Reconciled
341089		18-JUL-13	SD DEACON GENERAL CONTRACTOR		994.58	23-JUL-13	994.58	Reconciled
341090		18-JUL-13	SD DEACON GENERAL CONTRACTOR		817.73	22-JUL-13	817.73	Reconciled
341091		18-JUL-13	SECURTEC DISTRICT PATROL INC		1,600.00			Negotiable
341092		18-JUL-13	SILVERWOOD LANDSCAPE		1,934.57	30-JUL-13	1,934.57	Reconciled
341093		18-JUL-13	SIRIUS COMPUTER SOLUTIONS INC		537.50	22-JUL-13	537.50	Reconciled
341094		18-JUL-13	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		117.87	24-JUL-13	117.87	Reconciled
341095		18-JUL-13	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		10,526.58			Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 16
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)

341135	25-JUL-13	Gregg Danielson	107.97	29-JUL-13	107.97	Reconciled
341136	25-JUL-13	Gregory Herr	80.00			Negotiable
341137	25-JUL-13	Michele Drzymkowski	59.39			Negotiable
341138	25-JUL-13	Paul Cook	152.32			Negotiable
341139	25-JUL-13	Roberta Sitzler	35.00			Negotiable
341140	25-JUL-13	Steven LaMar	24.02	29-JUL-13	24.02	Reconciled
341141	25-JUL-13	Truc Mai Bertsch	11.33			Negotiable
341142	25-JUL-13	ACCUZIP, INC.	1,709.25	29-JUL-13	1,709.25	Reconciled
341143	25-JUL-13	AFLAC	6,065.56			Negotiable
341144	25-JUL-13	ATRIGAS-WEST, INC.	2,603.76	29-JUL-13	2,603.76	Reconciled
341145	25-JUL-13	ANDERSONPENNA PARTNERS, INC	16,052.50			Negotiable
341146	25-JUL-13	APEX DATA CONSULTING	1,775.00			Negotiable

IRWD Ledger Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 18
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
341147		25-JUL-13	AT&T		4,112.47			Negotiable
341148		25-JUL-13	AT&T		47.58	30-JUL-13	47.58	Reconciled
341149		25-JUL-13	BADGER METER INC		37,241.10			Negotiable
341150		25-JUL-13	BANK OF AMERICA MERRILL LYNCH		14,061.37			Negotiable
341151		25-JUL-13	BRENNTAG PACIFIC INC		7,149.30			Negotiable
341152		25-JUL-13	BRUCE NEWELL		1,316.00	29-JUL-13	1,316.00	Reconciled
341153		25-JUL-13	C WELLS PIPELINE MATERIALS INC		864.00			Negotiable
341154		25-JUL-13	CALIFORNIA BARRICADE INC		2,210.00			Negotiable
341155		25-JUL-13	CANON SOLUTIONS AMERICA, INC.		8,506.59			Negotiable
341156		25-JUL-13	CITY OF NEWPORT BEACH		1,155.96	30-JUL-13	1,155.96	Reconciled
341157		25-JUL-13	CLEARINGHOUSE		528.45			Negotiable
341158		25-JUL-13	COLONIAL LIFE & ACCIDENT INSURANCE CO.		1,577.68			Negotiable
341159		25-JUL-13	COMMERCIAL DOOR OF ORANGE COUNTY, INC.		547.30	30-JUL-13	547.30	Reconciled
341160		25-JUL-13	CONEYBEARE INC		15,689.69			Negotiable
341161		25-JUL-13	COX COMMUNICATIONS		6,288.45			Negotiable
341162		25-JUL-13	CPI-INTERNATIONAL, INC		782.20	29-JUL-13	782.20	Reconciled
341163		25-JUL-13	CREDENTIAL CHECK CORPORATION		176.88	29-JUL-13	176.88	Reconciled
341164		25-JUL-13	CSAC EXCESS INSURANCE AUTHORITY		326,405.00			Negotiable
341165		25-JUL-13	CUMMINS CAL PACIFIC LLC		5,527.84			Negotiable
341166		25-JUL-13	D & G SIGNS		4,532.76	30-JUL-13	4,532.76	Reconciled
341167		25-JUL-13	DAGAN, SARIT		448.30	29-JUL-13	448.30	Reconciled
341168		25-JUL-13	DEE JASPAR & ASSOCIATES, INC.		511.25			Negotiable
341169		25-JUL-13	DIRECTV INC		94.74			Negotiable
341170		25-JUL-13	DWYER INSTRUMENTS INC		648.91	29-JUL-13	648.91	Reconciled
341171		25-JUL-13	EI&C ENGINEERING INC		42,050.00			Negotiable
341172		25-JUL-13	FEDEX		630.38			Negotiable
341173		25-JUL-13	FEDEX		135.60			Negotiable
341174		25-JUL-13	FIERRO, SERGIO D		2,675.25			Negotiable

IRWD Ledger Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 19
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
341175		25-JUL-13	FIRST CHOICE SERVICES		862.17	30-JUL-13	862.17	Reconciled
341176		25-JUL-13	FISERV		12,818.80			Negotiable
341177		25-JUL-13	FISHER SCIENTIFIC COMPANY LLC		2,107.30	29-JUL-13	2,107.30	Reconciled
341178		25-JUL-13	GRAINGER		1,509.06	29-JUL-13	1,509.06	Reconciled
341179		25-JUL-13	GRIFFIN DEWATERING CORPORATION		2,570.18	29-JUL-13	2,570.18	Reconciled
341180		25-JUL-13	GS1-4 LLC		19.95			Negotiable
341181		25-JUL-13	HAMILTON, KURT		1,436.36			Negotiable
341182		25-JUL-13	HARTFORD LIFE AND ACCIDENT INSURANCE		158.98			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
341183	25-JUL-13	COMPANY HILL BROTHERS CHEMICAL COMPANY			19,899.55			Negotiable
341184	25-JUL-13	HOME DEPOT USA INC			124.80	30-JUL-13	124.80	Reconciled
341185	25-JUL-13	HOPKINS TECHNICAL PRODUCTS INC			3,898.01	29-JUL-13	3,898.01	Reconciled
341186	25-JUL-13	HSG INC			560.00	29-JUL-13	560.00	Reconciled
341187	25-JUL-13	INDUSTRIAL METAL SUPPLY CO			21.11	29-JUL-13	21.11	Reconciled
341188	25-JUL-13	INFOSYS LIMITED			228,600.00			Negotiable
341189	25-JUL-13	INTERFACE SYSTEMS			5,613.90			Negotiable
341190	25-JUL-13	INTERNAL REVENUE SERVICE			25.00			Negotiable
341191	25-JUL-13	IRVINE COMMUNITY DEVELOPMENT COMPANY LLC			360,607.00			Negotiable
341192	25-JUL-13	IRVINE PIPE & SUPPLY INC			989.50			Negotiable
341193	25-JUL-13	IRWD EMPLOYEE ASSOCIATION			450.00	29-JUL-13	450.00	Reconciled
341194	25-JUL-13	IRWD-PETTY CASH CUSTODIAN			1,250.84			Negotiable
341195	25-JUL-13	JCI JONES CHEMICALS INC			5,505.50	29-JUL-13	5,505.50	Reconciled
341196	25-JUL-13	JOE RHODES MAINT SERVICE INC			138.98			Negotiable
341197	25-JUL-13	JOHN G. ALEVIZOS D.O. INC.			465.13	30-JUL-13	465.13	Reconciled
341198	25-JUL-13	KS DIRECT LLC			8,677.09			Negotiable
341199	25-JUL-13	LENOVO UNITED STATES INC			853.07	29-JUL-13	853.07	Reconciled
341200	25-JUL-13	LILLESTRAND LEADERSHIP CONSULTING, INC.			4,990.54			Negotiable

IRWD Ledger Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 20
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
341201	25-JUL-13	LUBRICATION ENGINEERS, INC.			1,274.36	29-JUL-13	1,274.36	Reconciled
341202	25-JUL-13	MARVIN GARDENS LLC			2,593.70	25-JUL-13	2,593.70	Reconciled
341203	25-JUL-13	MC FADDEN-DALE INDUSTRIAL			29.13	29-JUL-13	29.13	Reconciled
341204	25-JUL-13	MC MASTER CARR SUPPLY CO			1,384.07	29-JUL-13	1,384.07	Reconciled
341205	25-JUL-13	MCR TECHNOLOGIES INC			2,703.82	30-JUL-13	2,703.82	Reconciled
341206	25-JUL-13	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY			830,449.60			Negotiable
341207	25-JUL-13	NATIONAL READY MIXED CONCRETE CO			1,169.04	29-JUL-13	1,169.04	Reconciled
341208	25-JUL-13	NEWPORT BEACH CHAMBER OF COMMERCE			1,770.00	29-JUL-13	1,770.00	Reconciled
341209	25-JUL-13	NINYO & MOORE			9,604.25			Negotiable
341210	25-JUL-13	NORITSU AMERICA CORPORATION			480.00	30-JUL-13	480.00	Reconciled
341211	25-JUL-13	NORTHERN SAFETY CO INC			198.34	29-JUL-13	198.34	Reconciled
341212	25-JUL-13	NOVELL INC			42,107.00			Negotiable
341213	25-JUL-13	OLIN CORPORATION			5,428.96			Negotiable
341214	25-JUL-13	ONESOURCE DISTRIBUTORS LLC			16,218.87			Negotiable
341215	25-JUL-13	ORANGE COUNTY SHERIFF'S OFFICE			858.54			Negotiable
341216	25-JUL-13	ORANGE COUNTY TREASURER			176.00	30-JUL-13	176.00	Reconciled
341217	25-JUL-13	OUTSOURCE TECHNICAL LLC			69,557.88			Negotiable
341218	25-JUL-13	PAC RIM ENGINEERING			5,002.50			Negotiable
341219	25-JUL-13	PACIFIC PARTS & CONTROLS INC			13,860.76			Negotiable
341220	25-JUL-13	PACIFIC SAFETY CENTER			380.00			Negotiable
341221	25-JUL-13	PERS LONG TERM CARE			852.57			Negotiable
341222	25-JUL-13	PRE-PAID LEGAL SERVICES INC			1,216.66			Negotiable
341223	25-JUL-13	PRISM LTD			3,960.00			Negotiable
341224	25-JUL-13	Ralph Resendez			611.69	29-JUL-13	611.69	Reconciled
341225	25-JUL-13	RHODIA INC			4,500.41			Negotiable
341226	25-JUL-13	SAFETYCARE INC			270.00			Negotiable

IRWD Ledger Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 21
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
341227		25-JUL-13	SANTA ANA BLUE PRINT		814.90			Negotiable
341228		25-JUL-13	SANTA ANA WATERSHED PROJECT		17,108.00			Negotiable
341229		25-JUL-13	SHAMROCK SUPPLY CO INC		48.46			Negotiable
341230		25-JUL-13	SOLARBEE INC		15,082.00			Negotiable
341231		25-JUL-13	SOUTHERN CALIFORNIA EDISON COMPANY		725.90			Negotiable
341232		25-JUL-13	SOUTHERN CALIFORNIA EDISON COMPANY		168,639.17			Negotiable
341233		25-JUL-13	SPARLING INSTRUMENTS LLC		637.04	29-JUL-13	637.04	Reconciled
341234		25-JUL-13	STATE BOARD OF EQUALIZATION		6,342.00			Negotiable
341235		25-JUL-13	STERIS CORPORATION		4,323.50	29-JUL-13	4,323.50	Reconciled
341236		25-JUL-13	SUN ENGINEERING SERVICES, INC		1,122.00	30-JUL-13	1,122.00	Reconciled
341237		25-JUL-13	TEKDRraulics		101.92			Negotiable
341238		25-JUL-13	TESTAMERICA LABORATORIES, INC		514.50	29-JUL-13	514.50	Reconciled
341239		25-JUL-13	TEXCELLENT INDUSTRIES INC		1,015.75			Negotiable
341240		25-JUL-13	THE GAS COMPANY		7,136.31			Negotiable
341241		25-JUL-13	THE GITTELMAN GROUP		12,000.00			Negotiable
341242		25-JUL-13	TROPICAL PLAZA NURSERY INC		1,400.00			Negotiable
341243		25-JUL-13	U S EQUIPMENT CO INC		2,043.88			Negotiable
341244		25-JUL-13	UNISAN PRODUCTS		826.45	29-JUL-13	826.45	Reconciled
341245		25-JUL-13	UNITED PARCEL SERVICE INC		104.98	29-JUL-13	104.98	Reconciled
341246		25-JUL-13	UNITED SITE SERVICES OF CALIFORNIA INC		139.26	29-JUL-13	139.26	Reconciled
341247		25-JUL-13	US BANK NAT'L ASSOC N.DAKOTA		2,500.00	29-JUL-13	2,500.00	Reconciled
341248		25-JUL-13	US PEROXIDE LLC		600.00	29-JUL-13	600.00	Reconciled
341249		25-JUL-13	UTILITY SYSTEMS SCIENCE & SOFTWARE INC.		500.00	29-JUL-13	500.00	Reconciled
341250		25-JUL-13	VERIZON CALIFORNIA INC		438.17	30-JUL-13	438.17	Reconciled

IRWD Ledger
 BANK: Bank of America N.A. Branch : Los Angeles Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 Bank Account Currency: USD (US Dollar) Account: Checking AP and PR Page: 22
 Payment Type: All Payment Currency: USD (US Dollar) Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
341251		25-JUL-13	VPSI INC		17,537.45			Negotiable
341252		25-JUL-13	VROBEL, ARIK		4,725.00			Negotiable
341253		25-JUL-13	VWR INTERNATIONAL, LLC		153.12	29-JUL-13	153.12	Reconciled
341254		25-JUL-13	WATER EDUCATION FOUNDATION		582.00			Negotiable
341255		25-JUL-13	WATERLINE TECHNOLOGIES INC		5,680.00			Negotiable
341256		25-JUL-13	WEST COAST SAND & GRAVEL INC.		498.86			Negotiable
341257		25-JUL-13	WILDERMUTH ENVIRONMENTAL INC		2,758.25			Negotiable
341258		25-JUL-13	WORKFLOWONE		2,457.92	29-JUL-13	2,457.92	Reconciled
341259		25-JUL-13	WUMBUS CORPORATION		553.55			Negotiable
341260		26-JUL-13	TRAILS4ALL	PARAMOUNT	750.00			Negotiable
341261		29-JUL-13	JCI JONES CHEMICALS INC	CINCINNATI	2,840.13			Negotiable
341262		30-JUL-13	SOUTHERN CALIFORNIA EDISON COMPANY	IRVINE	400.00			Negotiable
341263		30-JUL-13	SOUTHERN CALIFORNIA EDISON COMPANY	SANTA ANA	6,949.18			Negotiable
341264		30-JUL-13	PACIFIC GAS AND ELECTRIC COMPANY	WEST SACRAMENTO	300.00			Negotiable
341265		30-JUL-13	PACIFIC GAS AND ELECTRIC COMPANY	WEST SACRAMENTO	300.00			Negotiable
Payment Document Subtotal:					8,490,565.88		5,654,780.02	

Payment Document : IRWD Wire

10008	08-JUL-13	CALPERS	SACRAMENTO	360,304.09	Negotiable
10009	03-JUL-13	YORK INSURANCE SERVICES GROUP INC - CA	PAY	17,176.79	Negotiable
10010	22-JUL-13	YORK INSURANCE SERVICES GROUP INC - CA	PAY	2,465.03	Negotiable
10011	22-JUL-13	YORK INSURANCE SERVICES GROUP INC - CA	PAY	11,591.49	Negotiable

IRWD Ledger
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 01-AUG-2013 15:44
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 23
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD Wire								
10012		23-JUL-13	YORK INSURANCE SERVICES GROUP INC - CA	PAY	4,476.98			Negotiable
10013		26-JUL-13	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	5,794.44			Negotiable
10014		26-JUL-13	SUMITOMO MITSUI BANKING CORPORATION	NEW YORK	1,086.00			Negotiable
10015		26-JUL-13	U.S. BANK NATIONAL ASSOCIATION	PAY	3,328.78			Negotiable
10016		26-JUL-13	BANK OF AMERICA	SAN FRANCISCO	4,029.24			Negotiable
10017		26-JUL-13	SUMITOMO MITSUI BANKING CORPORATION	NEW YORK	1,200,061.48			Negotiable
10018		26-JUL-13	SUMITOMO MITSUI BANKING CORPORATION	NEW YORK	125,718.60			Negotiable
10019		26-JUL-13	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	42,221.28			Negotiable
10020		26-JUL-13	U.S. BANK NATIONAL ASSOCIATION	PAY	120,453.08			Negotiable
10021		26-JUL-13	BANK OF AMERICA	SAN FRANCISCO	120,453.08			Negotiable
10022		26-JUL-13	SUMITOMO MITSUI BANKING CORPORATION	NEW YORK	2,828.05			Negotiable
10023		26-JUL-13	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	1,440.19			Negotiable
10024		26-JUL-13	INTERNAL REVENUE SERVICE	FRESNO	149,075.90			Negotiable
10025		26-JUL-13	FRANCHISE TAX BOARD	SACRAMENTO	41,184.24			Negotiable
10026		26-JUL-13	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,514.38			Negotiable
10027		26-JUL-13	WILLIAMS, TWYLA	PARKER	658.62			Negotiable
10028		26-JUL-13	ORDONEZ, CYNTHIA MARIE	DESERT HOT SPR	500.17			Negotiable
10029		26-JUL-13	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	1,991.98			Negotiable
10030		26-JUL-13	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	9,906.14			Negotiable
10031		26-JUL-13	GREAT WEST	DENVER	89,833.71			Negotiable
10032		26-JUL-13	CALPERS	SACRAMENTO	82,913.17			Negotiable

IRWD Ledger
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 01-AUG-2013 15:44
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 24
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD Wire								
10033		26-JUL-13	MUNICIPAL WATER DISTRICT OF ORANGEVALLEY COUNTY	FOUNTAIN	1,662,995.38			Negotiable
10034		26-JUL-13	U.S. BANK NATIONAL ASSOCIATION	PAY	2,510.00			Negotiable
10035		26-JUL-13	U.S. BANK NATIONAL ASSOCIATION	ST. LOUIS	9,149.15			Negotiable
10036		26-JUL-13	UNITED STATES DEPARTMENT OF INTERIOR BUREAU OF RECLAMATION	BOULDER CITY	15,000.00			Negotiable
10037		26-JUL-13	CALPERS	SACRAMENTO	4,315,414.00			Negotiable
10038		26-JUL-13	INTERNAL REVENUE	FRESNO	147,186.44			Negotiable

10039	26-JUL-13	SERVICE FRANCHISE TAX BOARD	SACRAMENTO	40,503.77	Negotiable
10040	26-JUL-13	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,132.25	Negotiable
10041	26-JUL-13	WILLIAMS, TWYLA	PARKER	658.62	Negotiable
10042	26-JUL-13	ORDONEZ, CYNTHIA MARIE	DESERT HOT SPR	500.17	Negotiable
10043	26-JUL-13	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	1,991.98	Negotiable
10044	26-JUL-13	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	9,771.81	Negotiable
10045	26-JUL-13	GREAT WEST	DENVER	89,434.25	Negotiable
10046	26-JUL-13	CALPERS	SACRAMENTO	81,744.22	Negotiable
10047	30-JUL-13	YORK INSURANCE SERVICES GROUP INC - CA	PAY	21,978.52	Negotiable
10048	30-JUL-13	J.R. FILANC CONSTRUCTION COMPANY INC.	ESCONDIDO	463,846.11	Negotiable
10049	31-JUL-13	ORANGE COUNTY WATER DISTRICT	F.V.	5,969,465.60	Negotiable

Payment Document Subtotal: 15,252,289.18
 IRWD Ledger Payment Register For 01-JUL-13 To 31-JUL-13 Report Date: 01-AUG-2013 15:44
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 25
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Bank Account Subtotal :					23,742,855.06		5,654,780.02	
Report Count : 634			Report Total:	23,742,855.06	5,654,780.02			

*** End of Report ***

Exhibit "E"

IRWD

Government Code Section 53065.5 Disclosure Report


Payments or Reimbursements for Individual Charges of \$100 or More Per Transaction for Services or Product Received

July 2013

Name	Ck No.	Ck Date	Amount	Description
Gregg Danielson	341135	25-Jul-13	107.97	Safety Shoes
Brandon Bowman	340943	18-Jul-13	139.30	Safety Shoes
Michele Drzymkowski	340679	3-Jul-13	140.00	CWEA Membership
Paul Cook	341138	25-Jul-13	115.00	PE license renewal
Leslie Bonkowski	340946	18-Jul-13	240.10	Meeting supplies
Anthony Brunning	340788	11-Jul-13	300.00	SWRCB Grade III WW Treatment Operator
Jane Larson	340790	11-Jul-13	306.00	Safety Supplies
Kenneth Erwin	340791	11-Jul-13	264.54	American Soc.of Safety Engrs Conf. Las Vegas on 6/25-6/27/2013, Mileage Reimbursement
Total			1,612.91	

August 26, 2013

Prepared and Submitted by: Various

Approved by: Paul Cook 

CONSENT CALENDAR

STRATEGIC MEASURES DASHBOARD

SUMMARY:

Provided as Exhibits “A”, “B”, and “C” are the Strategic Measures Dashboard and informational items for Board review.

Please note staff is presenting the information in a new format in an effort to reflect all “gauges” in a consistent manner. The dot reflects the target goal, while the shaded area reflects actual performance.

RECOMMENDATION:

THAT THE BOARD RECEIVE AND FILE THE STRATEGIC MEASURES DASHBOARD AND INFORMATION ITEMS.

LIST OF EXHIBITS:

Exhibit “A” – Strategic Measures Dashboard

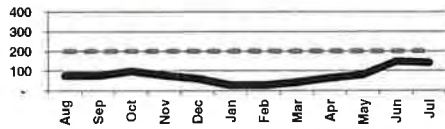
Exhibit “B” – Dyer Road Wellfield Status

Exhibit “C” – Reservoir Data

July 2013

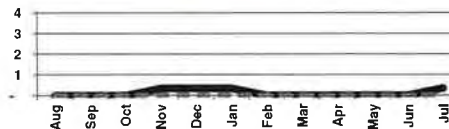
Reliability-Potable/Nonpotable

Target <= 200 customer hours out of service this month



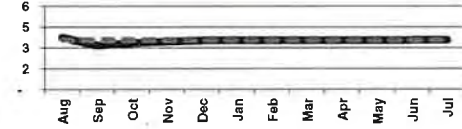
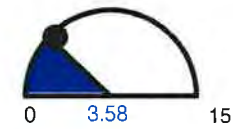
Sewer Spills

Target = 0 Spills this month



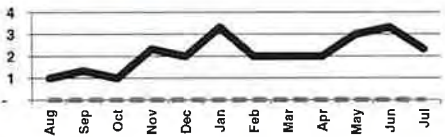
OCSD CORF Flows

Target <=3.58 MGD
CORF flow to OCSD this month



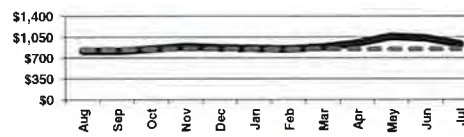
OSHA Recordables

Target = 0 reportable accidents this month



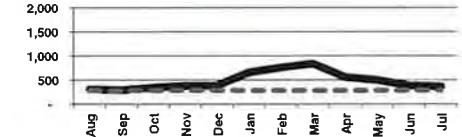
Water System Cost--Potable

Target <=\$845/af delivered this month



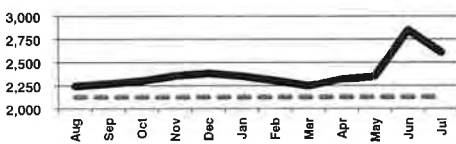
Water System Cost--Nonpotable

Target <= \$282/af delivered this month



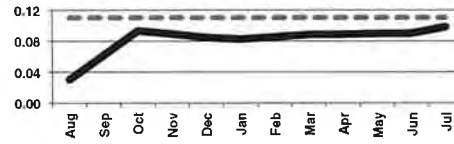
Wastewater Cost

Target <= \$2,126/MG processed this month



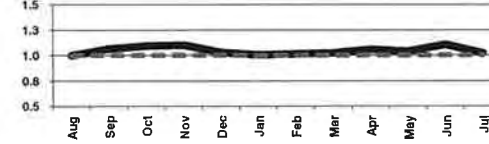
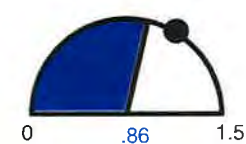
MWRP Energy Cost per kWh

Target <=0.110 cost per kWh this month



Real Property Performance

Target >= 1.0 (net income/goal) last month



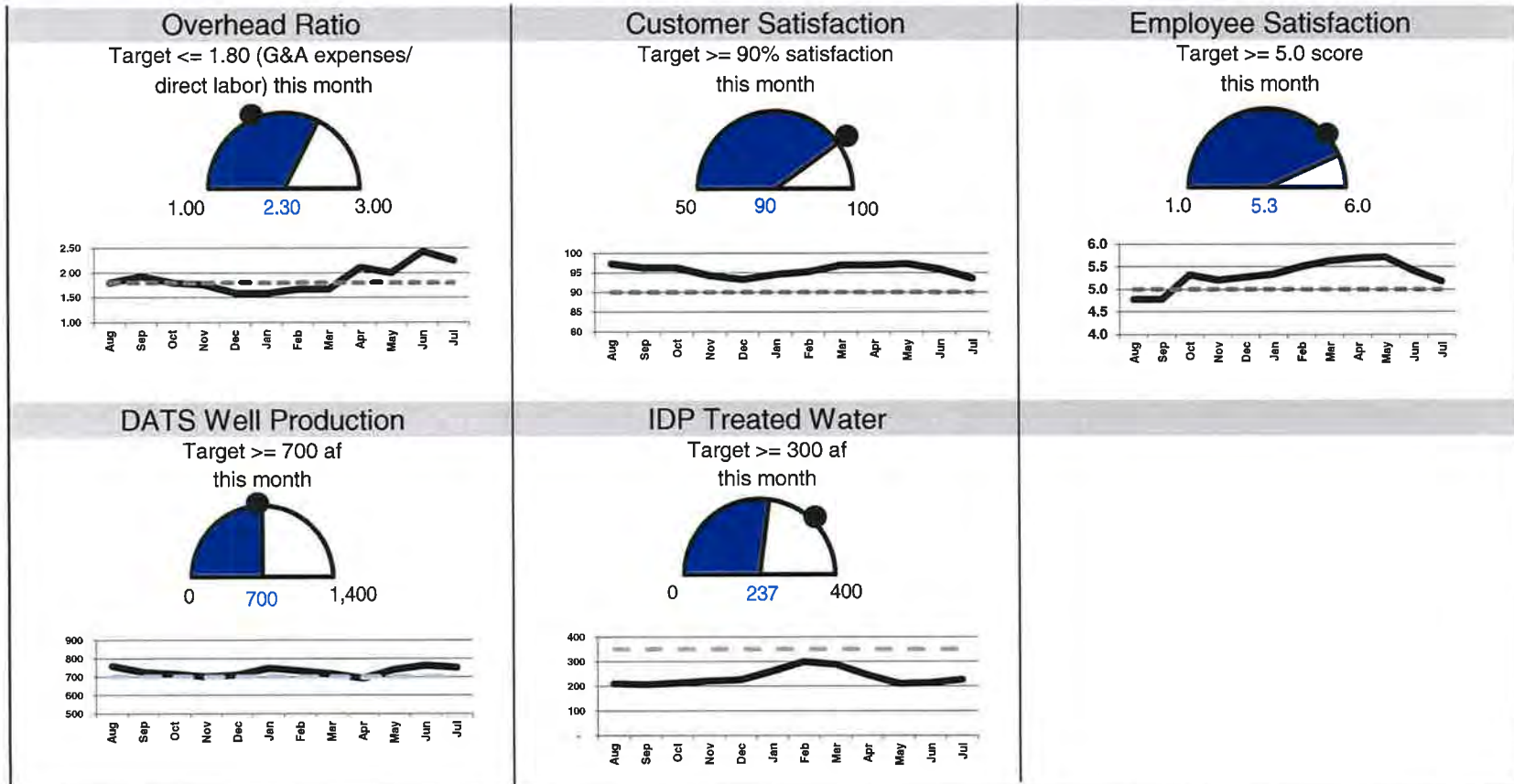
● =Target; Blue=Actual
00.00 Figure for Current Month

----- Target shown on trend graph
———— 3-month rolling average

Note: New Format

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES DASHBOARD

July 2013



● =Target; **Blue=Actual**
 00.00 Figure for Current Month

----- Target shown on trend graph
 ———— 3-month rolling average

IRVINE RANCH WATER DISTRICT
 STRATEGIC MEASURES

Reliability-Potable/Nonpotable

MONTHLY STATUS REPORT

Metric Owner: Water Operations

Definition of Measure:

The relative magnitude of system outages due to failures or scheduled maintenance for Potable and Non Potable Water.

Method:

Summation of the time in hours any part of the system was out of service times the number of customers affected by the given outage during the month.

Data Collection

Data was derived from the CSR database for customer based reports of "no water" and from the work order database for scheduled maintenance requiring the shut down of water service during repairs.

Explanation of Variance

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> August 2012
August 2012	96.30	200.00	<i>Thru:</i> July 2013
September 2012	68.70	200.00	<i>Goal:</i> 200.00
October 2012	130.00	200.00	
November 2012	34.10	200.00	
December 2012	20.80	200.00	
January 2013	29.50	200.00	
February 2013	32.70	200.00	
March 2013	64.20	200.00	
April 2013	97.90	200.00	
May 2013	77.70	200.00	
June 2013	268.80	200.00	
July 2013	77.08	200.00	

IRVINE RANCH WATER DISTRICT
 STRATEGIC MEASURES

Sewer Spills

MONTHLY STATUS REPORT

Metric Owner: Gregory Springman

Collection System Manager

Definition of Measure:

Number of sewer overflows of any quantity, regardless of cause, in IRWD's sanitary sewer collection system. This does not include spills from private sewers within IRWD's service area. IRWD has no control over private spills and is not responsible for them. However, it should be noted that IRWD will assist the County Health Care Agency in responding to and cleaning up private spills in the interest of the community.

Method:

Total number of IRWD sewer spills

Data Collection

Data is obtained from the California State Water Boards CIWQS data base for reporting SSO's.

Explanation of Variance

1. July, 2013 - Lake Forest, blockage caused by roots in a 8-in VCP sewer main. Volume estimated at 50 gals of sewer system overflow (SSO) with 50 gals of wastewater contained and recovered.
2. November, 2012 - Irvine, blockage caused by grease in a 8-in VCP sewer main. Volume estimated at 2,200 gals of sewer system overflow (SSO) with 1,000 gals of wastewater contained and recovered.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	From: August 2012
August 2012	0	0	Thru: July 2013
September 2012	0	0	Goal: 0
October 2012	0	0	
November 2012	1.00	0	
December 2012	0	0	
January 2013	0	0	
February 2013	0	0	
March 2013	0	0	
April 2013	0	0	
May 2013	0	0	
June 2013	0	0	
July 2013	1.00	0	

IRVINE RANCH WATER DISTRICT
 STRATEGIC MEASURES

OCSD CORF Flows

MONTHLY STATUS REPORT

Metric Owner: Patrick Shield Director of Water Operations

Definition of Measure:

Estimated CORF flow for current FY. CORF flow ownership as of the end of FY 2009/2010 was 8.62 MGD.

Method:

IRWD's CORF flow is derived by using the actual Main Street Flume Meter flow and subtracting the MWRP biosolid discharge flow and all non Revenue Area 14 (IRWD) flows tributary to the Main Street Flume meter/MWRP and adding in the San Joaquin Hills Planned Community flow and flow discharges from the Gas Recovery System (Formerly Laidlaw) for the FY four calendar months with the highest flow totals multiplied by three, averaging the result thereof with the same result of the same calculation for the preceding two fiscal years and adding in the current IBC transfer flow.

Note: All of the Newport Coast flows with the exception of the San Joaquin Hills Planned Community and Gas Recovery System flow are excluded from IRWD's CORF flow calculation. The OCSD's 1988 Downcoast Area Agreement only requires for IRWD to provide local wastewater collection service and requires OCSD to provide wastewater regional collection, transmission, treatment and disposal for that area.

Data Collection

The OCSD's Monthly Gallonage Flow Summary Report provides the actual flows used in calculating IRWD's CORF flow. This includes the Main Street Flume Meter actual monthly flow. All non Revenue Area 14 (IRWD) flows that are tributary to the Main Street Flume Meter is adjusted every year based on the results of OCSD's Flow Verification Study. The San Joaquin Hills Planned Community flow is adjusted every year based on the results of IRWD's Flow Verification Study. The Gas Recovery System flow is the actual monthly meter flow. The IBC transfer flow is adjusted every five years based on the results of OCSD's Flow Verification Study.

Explanation of Variance

1. July 2013 is an estimate pending receipt of actual flows from OCSD.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> August 2012
August 2012	3.27	4.95	<i>Thru:</i> July 2013
September 2012	3.26	4.95	<i>Goal:</i> 3.58
October 2012	3.54	4.95	
November 2012	3.55	4.95	
December 2012	3.55	4.95	
January 2013	3.55	4.95	
February 2013	3.55	4.95	
March 2013	3.55	4.95	
April 2013	3.55	4.95	
May 2013	3.55	4.95	
June 2013	3.58	4.95	
July 2013	3.58	3.58	

IRVINE RANCH WATER DISTRICT
 STRATEGIC MEASURES

OSHA Recordables

MONTHLY STATUS REPORT

Metric Owner: Ken Erwin

District Safety & Security Manager

Definition of Measure:

OSHA Recordables are a monthly measure of injuries and illnesses that occurred and must be entered on the OSHA 300 (Log of Work Related Injuries and Illnesses), in conformance with OSHA requirements. This measure is standardized not only in the water/wastewater industry, but throughout industries nationwide.

Method:

OSHA Recordables = Number of OSHA Recordable cases occurring during the subject month.

Data Collection

All injuries/illnesses and near-misses are reported to the District Safety & Security Manager immediately when they occur. All are investigated and cases meeting the recordable definition are logged. This measure simply reports the number of accidents whose occurrence date is within the calendar month.

Explanation of Variance

1. July 2013 - Customer Service Field Representative sustained low back strain when lifting steel meter lid at Newport Coast.
2. July 2013 - Water Maintenance Worker sprained/strained right ankle while working at 7 Cold Stream in Irvine.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> August 2012
August 2012	0	0	<i>Thru:</i> July 2013
September 2012	2.00	0	<i>Goal:</i> 0
October 2012	1.00	0	
November 2012	4.00	0	
December 2012	1.00	0	
January 2013	5.00	0	
February 2013	0	0	
March 2013	1.00	0	
April 2013	5.00	0	
May 2013	3.00	0	
June 2013	2.00	0	
July 2013	2.00	0	

IRVINE RANCH WATER DISTRICT
 STRATEGIC MEASURES

Water System Cost--Potable

MONTHLY STATUS REPORT

Metric Owner: Jessica Craig Accountant

Definition of Measure:

Total cost of potable water delivered to IRWD's customers this month, on a unit basis (\$/acre-foot). These monthly costs can vary greatly due to variation in water sales and power cost billing cycles. Thus, monthly expenses do not match up with their corresponding water sales.

Method:

Sum of all potable water costs accrued this month divided by the quantity of potable water sold this month.

Data Collection

Potable water costs collected from current month general ledger. This cost includes labor, power, distribution, and other costs. The quantity of water sold is collected from the Water Usage Variance Report, which summarizes metered water sales. Wide fluctuations in this measure may occur due to the billing delays for such expenses as electrical power (ie, bills are not paid in the same month as the water is sold). In order to track this item on a monthly basis, the labor included for the current month is based on the budget.

Explanation of Variance

1. The primary factor for the positive variance is that actual labor and G&A cost associated with potable water fell below budget by \$0.3M.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> August 2012
August 2012	726.00	812.00	<i>Thru:</i> July 2013
September 2012	866.00	766.00	<i>Goal:</i> 845.00
October 2012	960.00	920.00	
November 2012	849.00	808.00	
December 2012	813.00	914.00	
January 2013	916.00	855.00	
February 2013	816.00	893.00	
March 2013	916.00	854.00	
April 2013	1,110.00	935.00	
May 2013	1,152.00	893.00	
June 2013	837.00	824.00	
July 2013	795.00	845.00	

IRVINE RANCH WATER DISTRICT
 STRATEGIC MEASURES

Water System Cost--Nonpotable

MONTHLY STATUS REPORT

Metric Owner: Jessica Craig Accountant

Definition of Measure:

Total cost of nonpotable water delivered to IRWD's customer this month, on a unit basis (\$/acre-foot). These monthly costs can vary greatly due to variation in water sales and source water.

Method:

Sum of all nonpotable water costs accrued this month divided by the quantity of nonpotable water sold this month.

Data Collection

Nonpotable water costs collected from current month general ledger. This cost includes labor, power, distribution, and other costs related to tertiary treatment and reclaimed water distribution. The quantity of water sold is collected from the Water Usage Variance Report, which summarizes metered water sales. Wide fluctuations in this measure may occur due to the billing delays for such expenses as electrical power (ie, bills are not paid in the same month as the water is sold). In order to track this item on a monthly basis, the labor included for the current month is based on the budget.

Explanation of Variance

1. Nonpotable water exceeded budget due to total demand exceeding budget by 343 a/f which was supplied from additional supplemental and pumped water purchases.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> August 2012
August 2012	314.00	339.00	<i>Thru:</i> July 2013
September 2012	297.00	321.00	<i>Goal:</i> 282.00
October 2012	428.00	454.00	
November 2012	420.00	448.00	
December 2012	313.00	475.00	
January 2013	1,256.00	1,281.00	
February 2013	715.00	1,022.00	
March 2013	546.00	964.00	
April 2013	429.00	499.00	
May 2013	526.00	412.00	
June 2013	209.00	338.00	
July 2013	360.00	282.00	

IRVINE RANCH WATER DISTRICT
 STRATEGIC MEASURES

Wastewater Cost

MONTHLY STATUS REPORT

Metric Owner: Jessica Craig Accountant

Definition of Measure:

Total cost of collection and treatment (primary, secondary, and solids disposal) of wastewater, on a unit basis (\$/million gallons) for this month.

Method:

(MWRP cost of collections(G/L #530) + MWRP cost of treatment(G/L #551,552,565) + OCSD cost(G/L #535,555) + SMWD cost(G/L #531,556)) divided by the total sewage flows emanating from OCSD District #14 (Includes MWRP flow + OCSD flow + SMWD flow)

Data Collection

Data used for this measure are collected from the general ledger and from Orange County Sanitation District (OCSD) and Santa Margarita Water District (SMWD) staff. Costs and flows from OCSD District #7 are not included in the calculation. In order to track this item on a monthly basis, the labor included for the current month is based on the budget.

Explanation of Variance

1. Wastewater cost fell below budget by \$307/million gallons. The primary driver is labor and associated G&A fell below budget by \$0.2M.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> August 2012
August 2012	2,250.00	2,346.00	<i>Thru:</i> July 2013
September 2012	2,268.00	2,333.00	<i>Goal:</i> 2,126.00
October 2012	2,392.00	2,409.00	
November 2012	2,409.00	2,438.00	
December 2012	2,353.00	2,452.00	
January 2013	2,300.00	2,217.00	
February 2013	2,263.00	2,228.00	
March 2013	2,191.00	2,229.00	
April 2013	2,531.00	2,323.00	
May 2013	2,356.00	2,358.00	
June 2013	3,662.00	2,196.00	
July 2013	1,819.00	2,126.00	

IRVINE RANCH WATER DISTRICT
 STRATEGIC MEASURES

MWRP Energy Cost per kWh

MONTHLY STATUS REPORT

Metric Owner: Patrick Shield Director of Water Operations

Definition of Measure:

Actual MWRP Cost per kWh used at MWRP with new generating facility.

Method:

MWRP cost per kWh is calculated by the monthly total energy purchased from imported SCE electricity, purchased natural gas for the generators from Coral Energy, and SCG natural gas transportation charge divided by the total monthly kWh generated and imported from SCE. We then add in actual maintenance costs, including g/a.

Data Collection

Data collected from actual monthly SCE, Coral Energy and SCG Invoices. Total kWh is collected from the two generator kWh meters and SCE main electric meter.

Explanation of Variance

1. Energy costs for July 2013 at MWRP is higher than prior months due to the recent SCE increase.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> August 2012
August 2012	.09	.08	<i>Thru:</i> July 2013
September 2012	.09	.08	<i>Goal:</i> .11
October 2012	.09	.08	
November 2012	.08	.08	
December 2012	.08	.08	
January 2013	.09	.08	
February 2013	.09	.08	
March 2013	.09	.08	
April 2013	.09	.08	
May 2013	.09	.08	
June 2013	.09	.08	
July 2013	.12	.11	

IRVINE RANCH WATER DISTRICT
 STRATEGIC MEASURES

Real Property Performance

MONTHLY STATUS REPORT

Metric Owner: Jennifer Davis Debt and Investment Analyst

Definition of Measure:

This is a monthly measure of performance by IRWD's various enterprise activities, including residential and commercial real estate, Strawberry Farms Golf Course, and wireless communications leases.

Method:

Monthly Enterprise Return = Actual Net Income/Budgeted Net Income x 100

Data Collection

The various enterprise activities generate revenues and expenses at different frequencies through the year. Except for the real estate projects, the enterprise projects are primarily revenue generating activities with relatively little associated expenses. The measure reflects a comparison between the actual and budgeted net income of the various projects on a monthly basis.

Explanation of Variance

1. Performance was lower in July due to higher operating expenses (non recurring items) at Sycamore Canyon and two properties rental income were lower due to vacancies.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> August 2012
August 2012	1.00	1.00	<i>Thru:</i> July 2013
September 2012	1.20	1.00	<i>Goal:</i> 1.00
October 2012	1.08	1.00	
November 2012	1.03	1.00	
December 2012	.98	1.00	
January 2013	1.01	1.00	
February 2013	1.06	1.00	
March 2013	1.01	1.00	
April 2013	1.11	1.00	
May 2013	1.00	1.00	
June 2013	1.21	1.00	
July 2013	.86	1.00	

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Overhead Ratio

MONTHLY STATUS REPORT

Metric Owner: Jessica Craig Accountant

Definition of Measure:

Overhead Ratio is a measure of general and administrative (G&A) overhead expenses compared to direct labor expenses.

Method:

Ratio of total G&A expenses to total direct labor (including regular and overtime wages).

Data Collection

G&A expenses are summarized from the general ledger and include all costs incurred that are not directly accounted to mission-critical work (charged to g/l #792). Direct labor expenses are the hourly staff charges accounted to mission-critical work (generally charged to expense codes #110 and #120). Benefits are considered G&A, not direct labor expenses.

Explanation of Variance

1. July 2013 - G&A overhead ratio is higher due to the the following overhead expenses: Workers compensation premium for the Fiscal Year payment of \$0.4M and data processing payment of \$0.1M.
2. June 2013 - G&A overhead ratio is higher in total due to the following YE adjustments: Claims Liability for \$0.7M; Compensated Absence for \$0.4M; YE payroll accrual for \$0.3M; Other Post Employment Benefits (OPEB) adj for \$0.2M; Net Pension Asset for \$0.1M; and additional year end payable accrual for \$0.2M.
3. May 2013 - Overhead ratio for May is below budget due to actual labor in May included three payrolls.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> August 2012
August 2012	1.40	1.80	<i>Thru:</i> July 2013
September 2012	2.40	1.80	<i>Goal:</i> 1.80
October 2012	1.60	1.80	
November 2012	1.30	1.80	
December 2012	1.88	1.80	
January 2013	1.57	1.80	
February 2013	1.55	1.80	
March 2013	1.91	1.80	
April 2013	2.87	1.80	
May 2013	1.24	1.80	
June 2013	3.20	1.80	
July 2013	2.30	1.80	

IRVINE RANCH WATER DISTRICT
 STRATEGIC MEASURES

Customer Satisfaction

MONTHLY STATUS REPORT

Metric Owner: Gina Jackson Customer Service Manager

Definition of Measure:

Customer Satisfaction is measured by IRWD's Customer Satisfaction Index. The index is measured by sending surveys to a statistically-significant, random selection of customers that have called IRWD for some type of service. Services range from answering questions about water conservation or billing to repairing a sewer blockage in the street. The surveys allow the customer to rate IRWD's response to their request in eight categories. Each category is rated from 1 to 5, with 1 indicating the highest level of satisfaction. A total score of 100 indicates the highest level of satisfaction in all eight categories. The scores of all responses in the subject month are a weighted average for the monthly index figure.

Method:

Data Collection

Surveys are mailed at the end of each work week for the customer requests completed that week. The monthly index reflects the surveys received within the subject month.

Explanation of Variance

- 1. Total Overall Satisfaction =90%
 - Satisfaction =88%
 - Timely = 91%
 - Phone = 89%
 - Field Contact = 91%

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	From: August 2012
August 2012	99.00	90.00	Thru: July 2013
September 2012	97.00	90.00	Goal: 90.00
October 2012	93.00	90.00	
November 2012	93.00	90.00	
December 2012	94.00	90.00	
January 2013	97.00	90.00	
February 2013	95.00	90.00	
March 2013	99.00	90.00	
April 2013	97.00	90.00	
May 2013	96.00	90.00	
June 2013	95.00	90.00	
July 2013	90.00	90.00	

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Employee Satisfaction

MONTHLY STATUS REPORT

Metric Owner: Gretchen Maswadeh

Human Resources Manager

Definition of Measure:

Level of employee satisfaction with employment at IRWD.

Method:

Average of all scores on surveys for performance evaluations presented this month

Data Collection

A survey is sent to each employee receiving a performance evaluation this month. The survey simply asks the employee to rate his/her overall employment satisfaction on a scale of 1 to 6 (1 being very dissatisfied and 6 being very satisfied). The ratings are compiled and averaged by Human Resources.

Explanation of Variance

1. 9 surveys were returned of 25 surveys sent (36%). 8 of 25 respondents (89%) rated satisfaction as 5 or 6 on a scale of 1 to 6. In the 12 month period ending July 2013, 93 surveys have been returned of 293 surveys sent (32%). 82 of 93 respondents (88%) rated satisfaction as 5 or 6 on a scale of 1 to 6. 12 month average rating is 5.37%

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	From: August 2012
August 2012	5.33	5.00	Thru: July 2013
September 2012	5.00	5.00	Goal: 5.00
October 2012	5.64	5.00	
November 2012	4.98	5.00	
December 2012	5.20	5.00	
January 2013	5.83	5.00	
February 2013	5.50	5.00	
March 2013	5.57	5.00	
April 2013	6.00	5.00	
May 2013	5.57	5.00	
June 2013	4.67	5.00	
July 2013	5.33	5.00	

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

DATS Well Production

MONTHLY STATUS REPORT

Metric Owner: Tom Roberts Operations Manager

Definition of Measure:

Number of acre-feet of water produced by Dyer Road wells C-8 and C-9 to supply water to the Deep Aquifer Treatment System (DATS).

Method:

Summation of production from wells C-8 and C-9.

Data Collection

Data collected from meters at wells.

Explanation of Variance

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> August 2012
August 2012	745.00	700.00	<i>Thru:</i> July 2013
September 2012	703.00	700.00	<i>Goal:</i> 700.00
October 2012	704.00	700.00	
November 2012	702.00	700.00	
December 2012	732.00	700.00	
January 2013	811.00	700.00	
February 2013	660.00	700.00	
March 2013	682.00	700.00	
April 2013	736.00	700.00	
May 2013	806.00	700.00	
June 2013	749.00	700.00	
July 2013	700.00	700.00	

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

IDP Treated Water

MONTHLY STATUS REPORT

Metric Owner: Tom Roberts Operations Manager

Definition of Measure:

Number of acre-feet of treated water produced by the Irvine Desalter Project (IDP).

Method:

Difference between final effluent volume and discharge to storm drain volume.

Data Collection

Data collected from final effluent and discharge to storm drain meters.

Explanation of Variance

1. Produced water by the IDP was lower in July due to the following: Well 115 was out of service for the entire month and Well 110 was off-line for part of the month.

MONTHLY DATA

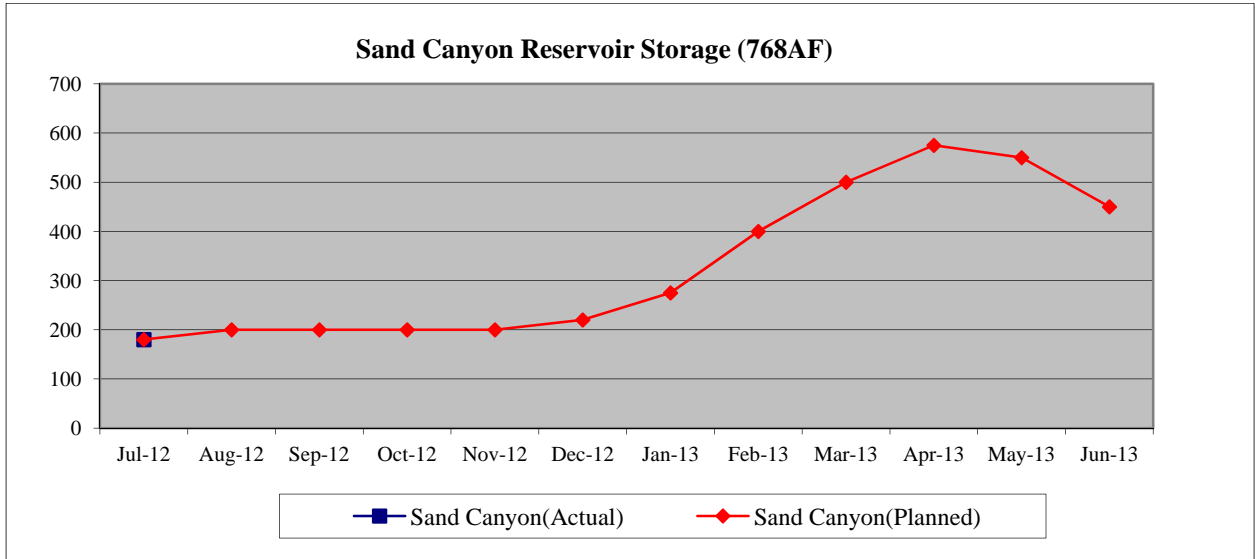
<u>Month</u>	<u>Value</u>	<u>Goal</u>	From: August 2012
August 2012	196.00	350.00	Thru: July 2013
September 2012	225.00	350.00	Goal: 350.00
October 2012	218.00	350.00	
November 2012	221.00	350.00	
December 2012	239.00	350.00	
January 2013	324.00	350.00	
February 2013	336.00	350.00	
March 2013	206.00	350.00	
April 2013	197.00	350.00	
May 2013	230.00	350.00	
June 2013	216.00	350.00	
July 2013	237.00	300.00	

EXHIBIT "B"

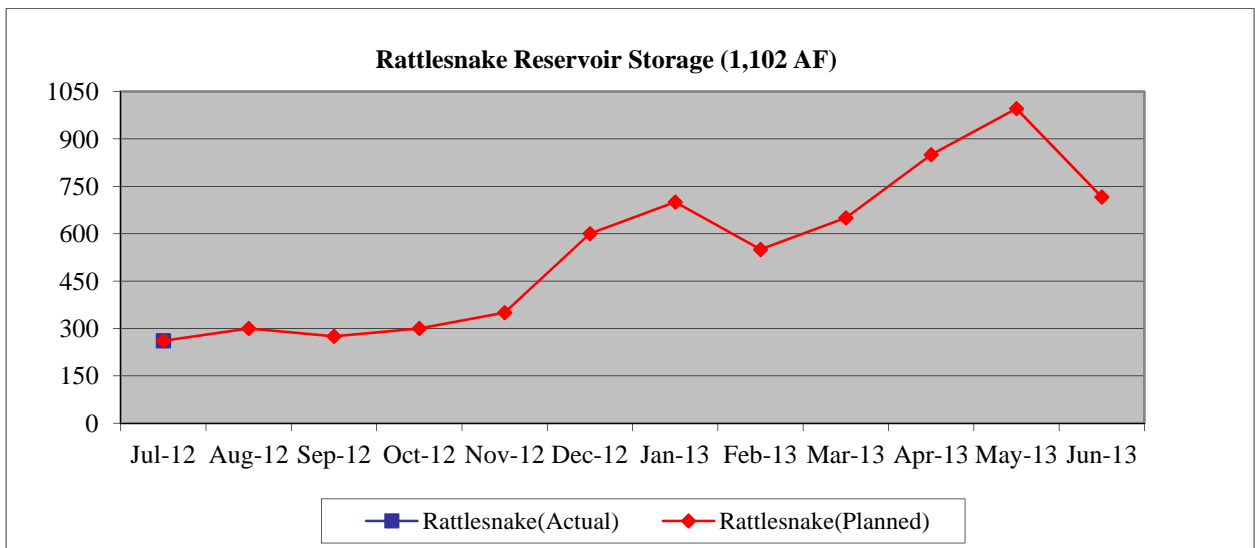
DYER ROAD WELL FIELD STATUS								Jul-13
Well Number	Production Mo./YTD	Ref. Point Elevation	Depth to Water 7/31/2013	Water Level-MSL	Depth of Bowls	Bowl Settings-MSL	Feet of Water Above Intake	
1	177.70 AF 177.70 AF	34	N/A	N/A	270	-236	N/A	
							Pumping	
2	0.00 AF 0.00 AF	37	107.1	-70.1	270	-233	162.9	
							Static	
3	0.00 AF 0.00 AF	55	111.9	-56.9	215	-160	103.1	
							Static	
4	239.80 AF 239.80 AF	38	157.5	-119.5	216	-178	58.5	
							Pumping	
5	28.70 AF 28.70 AF	48	285.7	-237.7	290	-242	4.3	
				0			Pumping	
6	101.40 AF 101.40 AF	43	151.3	-108.3	250	-207	98.7	
							Pumping	
7	0.00 AF 0.00 AF	40	242	-202	290	-250	48	
							Pumping	
C-8	394.00 AF 394.00 AF	37	146.9	-109.9	305	-268	158.1	
							Pumping	
C-9	305.00 AF 305.00 AF	23	147.8	-124.8	305	-282	157.2	
							Pumping	
10	327.40 AF 327.40 AF	47	179.6	-132.6	250	-203	70.4	
							Pumping	
11	247.50 AF 247.50 AF	40	193.7	-153.7	300	-260	106.3	
							Pumping	
12	210.80 AF 210.80 AF	51	193.4	-142.4	300	-249	106.6	
							Pumping	
13	89.10 AF 89.10 AF	40	216.6	-176.6	300	-260	83.4	
							Pumping	
14	172.80 AF 172.80 AF	47	210.9	-163.9	311	-264	100.1	
							Pumping	
15	326.20 AF 326.20 AF	44	184.1	-140.1	300	-256	115.9	
							Pumping	
16	91.80 AF 91.80 AF	47	234.4	-187.4	280	-233	45.6	
							Pumping	
17	277.10 AF 277.10 AF	52	200.4	-148.4	250	-198	49.6	
							Pumping	
18	202.00 AF 202.00 AF	45	237.9	-192.9	300	-255	62.1	
							Pumping	
Clear production:	2492.30 AF	for the month						
FYTD:	2492.3 AF							
DATS production:	699.00 AF	for the month						
FYTD:	699.00 AF							

Exhibit "c"

Reservoir DATA FY 13-14



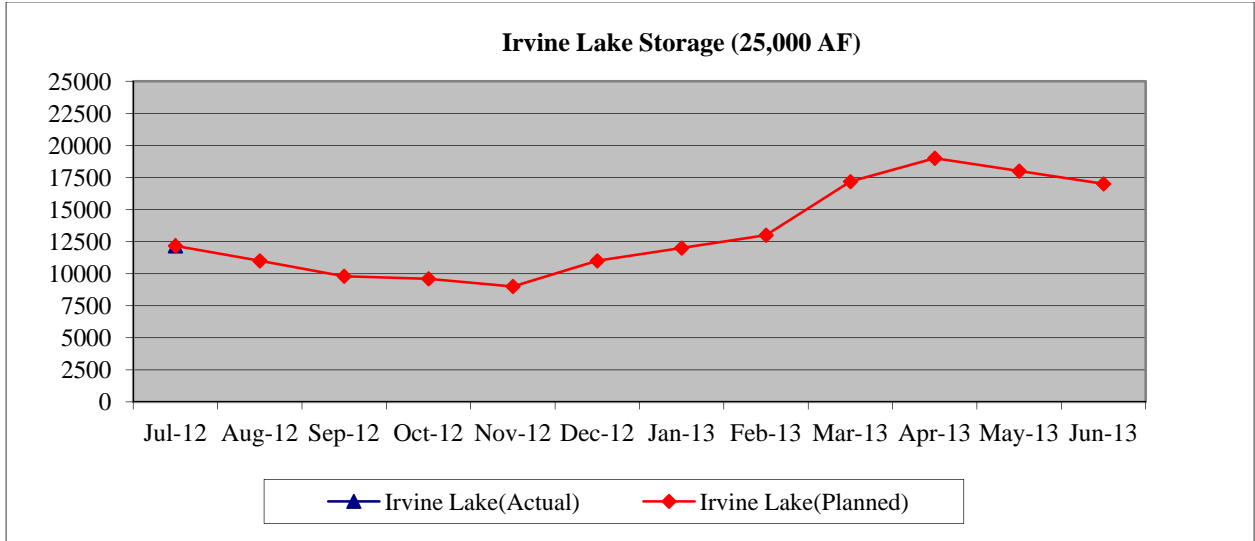
Sand Canyon Reservoir Storage is on track.



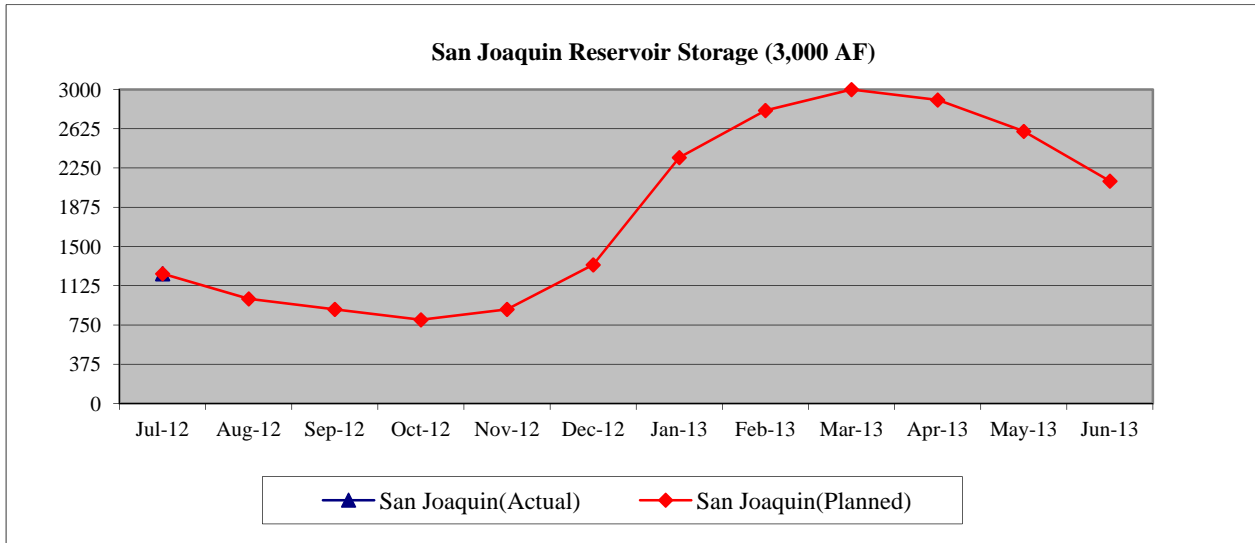
Rattlesnake Reservoir Storage is on track.

Exhibit "c"

Reservoir DATA FY 13-14



Irvine Lake Storage is on tract.



San Joaquin Reservoir Storage is on tract.

August 26, 2013
Prepared by: M. Cortez/M. Hoolihan/
S. Malloy/R. Mori
Submitted by: K. Burton
Approved by: Paul Cook

CONSENT CALENDAR

UPCOMING PROJECTS STATUS REPORT

SUMMARY:

A status report of Irvine Ranch Water District's Upcoming Projects is presented to the Board for information.

BACKGROUND:

The information, which is attached as Exhibit "A", is a status report submitted quarterly to the Committee and Board for their review.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on August 20, 2013.

RECOMMENDATION:

RECEIVE AND FILE.

LIST OF EXHIBITS:

Exhibit "A" – Upcoming Projects Status Report

EXHIBIT "A"

IRWD UPCOMING PROJECTS STATUS REPORT

Project Name	Planning	Start	Construction	Construction
	Start	Design	Award	Final Acceptance
OPA Reservoir Demolition				Fall 2013
Randall and Lomita Street DW Pipeline Modifications				Fall 2013
SJM Building Campus Mold Remediation			Fall 2013	Winter 2014
RMS at 5 DW Reservoirs	Summer 2014			
Syphon Reservoir Interim Facilities				Fall 2013
Vault Lid Rehabilitation - Phase 2				Winter 2014
Baker Ranch Phase 1A DW & RW Improvements (RA w/ Shea/Toll Brothers)				Fall 2013
Baker Ranch Phase 1B DW & RW Improvements (RA w/ Shea/Toll Brothers)			Summer 2013	Fall 2013
Capital RW Facilities between OCTA and LV Street (RA w/Heritage Fields)				Winter 2014
Irvine Boulevard Capital DW, S, RW Facilities (RA w/Heritage Fields)				Fall 2013
Marine Way DW, RW (RA w/Heritage Fields)			Fall 2013	Spring 2014
O Street, Marine to Trabuco, DW, S (RA w/Heritage Fields)			Fall 2013	Spring 2014
O Street, Trabuco to LN Street, DW, S, RW (RA w/Heritage Fields)			Fall 2013	Spring 2014
PA 9B Capital RW and ILP Relocation, Phase 3 (RA w/ICDC)				Fall 2013
PA 9B Jeffrey Road Zones 3, A, B and C Pipelines (RA w/ICDC)				Summer 2014
PA 40 Phase 3B RW (RA w/ICDC)				Fall 2013
PA 40 Neighborhood 2G RW Improvements (RA w/ICDC)				Fall 2013
Tustin Legacy Villas Capital Sewer (RA w/ICDC)				Spring 2014
PA 1, Orchard Hills Neighborhood 2 RW (RA w/ICDC)			Winter 2014	Summer 2014
PA 5B, Phase 1A DW, RW (RA w/ICDC)			Winter 2014	Summer 2014
Reach A Capital Sewer (RA w/Heritage Fields)			Fall 2013	Summer 2014
Reach B Capital Sewer (RA w/Heritage Fields)				Winter 2014
Ridge Valley Capital RW Facilities (RA w/Heritage Fields)				Fall 2013
Trabuco Road Capital DW, S, RW Facilities (RA w/Heritage Fields)				Fall 2013
Tustin Ranch Road Pipelines (RA w/Tustin)				Fall 2013
Barranca, Armstrong to Tustin Ranch Road DW, S, RW Facilities (RA w/Tustin)				Spring 2014
Warner/Park/Carnegie Capital DW and S Improvements (RA w/Tustin)			Fall 2013	Summer 2014
PA 18 South, Hidden Canyon DW RW (RA w/Toll Brothers)			Fall 2013	Summer 2014
IDF Chlorine Injection Line Replacement			Summer 2013	Winter 2014
Manning and Portola Zone 9 BPS Emergency Generators			Summer 2013	Winter 2014
University Lift Station Odor Control			Summer 2013	Winter 2014
Newport Coast Cathodic Protection Joint Bonding			Spring 2014	Summer 2014
Portola Hills SLS Abandonment & Gravity Sewer				Summer 2013
Santiago Dam and Outlet Tower Seismic Stability Study	On-going			
SAC/Baker Pipeline CP Improvements			Summer 2014	
MWRP Biosolids and Energy Recovery Facilities				Fall 2016
MWRP Secondary Repair and Rehabilitation		Fall 2013	Winter 2014	Spring 2015
MWRP Phase 2 Expansion				Winter 2014

IRWD UPCOMING PROJECTS STATUS REPORT

Project Name	Planning	Start	Construction	Construction
	Start	Design	Award	Final Acceptance
Lake Forest (LAWD) PLC Replacement and Control System Upgrades			Spring 2014	Fall 2014
Water Operations Transdyn Replacement				Fall 2013
Baker Water Treatment Plant			Fall 2013	Spring 2016
Sand Canyon Avenue Grade Separation				Fall 2014
LAWRP Solids Handling Facility and Zone A & B Pump Station Upgrades		Fall 2013		
Michelson Lift Station Relocation (RA w/LBA)			Winter 2014	Winter 2015
Well 115 Replacement				Summer 2014
Well OPA-1 Equipping			Fall 2013	Winter 2015
PA 18 Zone 3 to 4 and B to C Booster Pump Stations			Fall 2013	Spring 2015
Groundwater Development Program / OCWD Annexation	On-going			
Wells 21 & 22 GW Impact Analysis	On-going			
LTFP Plans of Works, ID Consolidations	In-Process			
PA-1,2 ILP Recycled Water Conversion Analysis	In-Process			
MWRP/Recycled Water System Storage Analysis	Fall 2013			
DW System Hydraulic Modeling	In-Process			
RW System Hydraulic Modeling	In-Process			
Great Park SAMP Update	Fall 2013			
WRMP Update - Chap 2,3,4,5, 7,10	In-Process			
Update to Sewer Generation Factors	Spring 2014			
Sewer Collection System Model Update	Summer 2014			
Update to Replacement Planning Model	Winter 2013			
Update to IRWD Potable and Non-Potable Storage Requirements	Summer 2013			
	Category	Months		
	Winter	Jan. Feb. & Mar.		
	Spring	Apr. May & June		
	Summer	Jul. Aug. & Sep.		
	Fall	Oct. Nov. & Dec.		

DS
August 26, 2013 J.M. RICM
Prepared by: J. Moeder/R. Mori
Submitted by: K. Burton (KB)
Approved by: Paul Cook / C.W.L.

CONSENT CALENDAR

WELL 110 REHABILITATION FINAL ACCEPTANCE

SUMMARY:

Construction of the Well 110 Rehabilitation Project is complete. The Contractor, South West Pump and Drilling, has completed the required rehabilitation work and all punch list items. The project has received final inspection and acceptance of construction is recommended.

BACKGROUND:

South West Pump and Drilling successfully rehabilitated Well 110. The specific capacity increased 30 percent as a result of the mechanical and chemical rehabilitation. Well 110 has resumed delivering untreated water to the Irvine Desalter Project Potable Treatment Plant. Below is a summary of the project.

Project Title:	Well 110 Rehabilitation
Project No.:	11657 (3774)
Design Engineer:	Thomas Harder & Company
Construction Management by:	IRWD Staff
Contractor:	South West Pump and Drilling
Original Contract Cost:	\$179,600
Final Contract Cost:	\$151,785
Original Contract Days:	100
Final Contract Days:	107
Total Budget:	\$260,000
Total Project Cost (Est.):	\$221,000

FISCAL IMPACTS:

Project 11657 (3774) is included in the FY 2013-14 Capital Budget. The existing budget and Expenditure Authorization are sufficient to complete the project.

COMMITTEE STATUS:

This item was not reviewed by a Committee.

ENVIRONMENTAL COMPLIANCE:

This project is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15301 which provides exemption for minor alterations of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination.

RECOMMENDATION:

THAT THE BOARD ACCEPT CONSTRUCTION OF THE WELL 110 REHABILITATION PROJECT; AUTHORIZE THE GENERAL MANAGER TO FILE A NOTICE OF COMPLETION; AND AUTHORIZE THE RELEASE OF RETENTION TO SOUTH WEST PUMP AND DRILLING 35 DAYS AFTER FILING OF THE NOTICE OF COMPLETION.

LIST OF EXHIBITS:

None.

DS
August 26, 2013
Prepared by: K. Welch
Submitted by: P. Weghorst/G. Heiertz
Approved by: Paul Cook

CONSENT CALENDAR

STRAND RANCH RECOVERY FACILITIES PROJECT
FINAL ACCEPTANCE

SUMMARY:

In September 2011, W. M. Lyles Company (W.M. Lyles) was awarded a construction contract to construct pipeline facilities, Cross Valley Canal (CVC) turn-ins and well heads associated with the Strand Ranch Groundwater Recovery Project. Construction of the project is complete. The Contract, W.M. Lyles, has completed the required work and all punch list items. The project has received final inspection and acceptance of construction is recommended.

BACKGROUND:

The construction contract for the pipeline facilities, CVC turn-in facilities and well heads for the Strand Ranch Groundwater Recovery Project was awarded to W.M. Lyles in September 2011 in the amount of \$3,281,860.00. This project will provide infrastructure to allow the recovery of previously banked groundwater and discharge into the CVC for eventual delivery to IRWD and its water banking partners.

Project Title:	Strand Ranch Groundwater Recovery Project
Project No.:	11289 (2812)
Design Engineer:	Kennedy/Jenks Consultants
Construction Management by:	Dee Jaspar & Associates, Inc.
Contractor:	W. M. Lyles Company
Original Contract Cost:	\$3,281,860.00
Final Contract Cost:	\$3,563,130.26
Original Contract Days:	325
Final Contract Days:	692
Final Change Order Approved On:	June 13, 2013

FISCAL IMPACTS:

Project 11289 (2812) is included in the FY 2013-14 Capital Budget. The existing budget and Expenditure Authorization are sufficient to fund the final payment for the project in the amount of \$178,983.17.

ENVIRONMENTAL COMPLIANCE:

A Final Environmental Impact Report for Strand Ranch has been prepared and certified, and the project has been approved in compliance with the California Environmental Quality Act (CEQA) of 1970 (as amended), codified at California Public Resources Code Sections 21000 et seq., and the State CEQA Guidelines in the Code of Regulations, Title 14, Division 6, Chapter 2.

COMMITTEE STATUS:

This item was not reviewed by a Committee.

RECOMMENDATION:

THAT THE BOARD ACCEPT CONSTRUCTION OF THE STRAND RANCH RECOVERY FACILITIES PROJECT 11289 (2812); AUTHORIZE THE FILING OF A NOTICE OF COMPLETION; AND AUTHORIZE THE PAYMENT OF THE RETENTION 35 DAYS AFTER THE DATE OF RECORDING THE NOTICE OF COMPLETION.

LIST OF EXHIBITS:

None.

08
August 26, 2013
Prepared by: H. Cho/M. Cortez
Submitted by: K. Burton (K.B.)
Approved by: Paul Cook / [Signature]

CONSENT CALENDAR

SYPHON RESERVOIR INTERIM FACILITIES CONTRACT CHANGE ORDER

SUMMARY:

The Syphon Reservoir Interim Facilities Project will construct a filtration system, chlorination system, and pipe modifications to connect Syphon Reservoir to the Zone A Recycled Water System. Due to a changed scope of work resulting in a credit of \$106,941, \$66,734 in additional work, and the addition of 80 calendar days to the project, staff recommends that the Board approve Contract Change Order No. 3 in the credit amount of (\$40,206.12) with Paulus Engineering, Inc. (Paulus) for the Syphon Reservoir Interim Facilities, Project 30374.

BACKGROUND:

IRWD purchased Syphon Reservoir from The Irvine Company (TIC) in 2010 to provide additional recycled water storage. While the long-term storage expansion of the reservoir is being determined by staff, completion of interim facilities will allow use of the reservoir to serve the Zone A recycled water system. This project has been under construction by Paulus since February 2013.

Crean Lutheran High School Gravity Sewer

Crean Lutheran High School (Crean) plans to construct a baseball field and softball field on the adjacent property between the Syphon Reservoir site and Portola Parkway as shown in Exhibit "A". Crean originally planned to construct a septic system to serve its restrooms, however the County of Orange currently prohibits the construction of new septic systems. Crean will alternatively construct an 8-inch gravity sewer to convey flow across Portola Parkway, and connect to the nearest sewer in the Stonegate development. Crean plans to construct the gravity sewer segment across Portola Parkway via bore and jack method prior to the release of Stonegate units for occupancy.

The District's interim facilities initially included a small lift station and force main to return backwash from the strainers into the reservoir through the Highline Canal. Since returning backwash into the reservoir would raise the reservoir influent's level of total dissolved solids above regulatory requirements, the lift station was eliminated and an underground holding tank was proposed to collect the backwash. The backwash will be removed periodically from the tank via vacor truck and discharged into the sewer system. Connecting to Crean's sewer system is a preferred alternative, and eliminates the holding tank and subsequent tank pumping and maintenance.

The District's proposed sewer connection was discussed with Crean at a recent project coordination meeting. Crean's concern was the cost-sharing component of the sewer segment crossing Portola Parkway. Staff will continue discussions with Crean and anticipates bringing an

item to the Board in the future recommending approval of an agreement for the design and construction of the shared sewer pipeline segment.

Contract Change Order

Contract Change Order (CCO) No. 3 includes the deletion of the strainer backwash lift station and force main, modifications to the 16-inch reservoir outlet pipe, installation of a drop manhole to estimate the underdrain flow rate, and access road modifications. A staff report discussing CCO No. 3 is included as Exhibit "B" which is in the credit amount of (\$40,206.12). Since the absolute value of the additions and deletions is \$173,675.88, Board approval of CCO No. 3 is required.

The additional scope of work items will require an additional 80 calendar days. The contract completion date will be extended from August 20, 2013 to November 8, 2013. Completion of this project should coincide with the installation of the 36-inch Zone A pipeline segment within the Stonegate development. This pipeline segment is required to deliver water from the reservoir into the Zone A recycled water system and is being constructed under a Reimbursement Agreement with The Irvine Company for the Stonegate development. Staff will use the Syphon to Zone A system in 2014.

FISCAL IMPACTS:

Project 30374 (3729) is included in the FY 2013-14 Capital Budget. The existing budget and Expenditure Authorization are sufficient to fund CCO No. 3.

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA) and in conformance of California Code of Regulations Title 14, Chapter 3, Article 6, a Notice of Intent to adopt a Mitigated Negative Declaration was filed with the County of Orange on December 15, 2012. Pursuant to State Guideline § 15073, the IS/MND was made available for public review for a period of 30 days beginning December 15, 2012 and concluded January 14, 2013. The Mitigated Negative Declaration was adopted by the Irvine Ranch Water District Board of Directors on January 28, 2013.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on August 20, 2013.

RECOMMENDATION:

THAT THE BOARD APPROVE CONTRACT CHANGE ORDER NO. 3 WITH PAULUS ENGINEERING, INC. IN THE CREDIT AMOUNT OF (\$40,206.12) FOR SYPHON RESERVOIR INTERIM IMPROVEMENTS, PROJECT 30374 (3729).

LIST OF EXHIBITS:

- Exhibit "A" – Site Plan
- Exhibit "B" – Staff Report
- Exhibit "C" – Contract Change Order No. 3

EXHIBIT "A"

Syphon Reservoir Interim Facilities



EXHIBIT "B"

Staff Report For Syphon Reservoir Interim Facilities Contract Change Order No. 3 August 13, 2013

This staff report summarizes Paulus Engineering Contract Change Order No. 3 documenting the work added and deleted to the project scope of work. Contract Change Order No. 3 includes the following items:

1. Deletion of the 4" Steel Strainer Backwash Force Main
This force main was deleted along with the strainer backwash lift station. The credit for the 4" steel force main is (\$12,500) for the materials.
2. Modifications to the Reservoir Drain Pipe, Line "C"
The 16" CML&C steel reservoir drain pipe was modified during the submittal review adding a 36"x16" concentric reducer spool, requiring additional design and review from the manufacturer, modifying the blowoff on the pipe, and adding a vertical bend to the pipe. The total cost of these changes is \$10,500.
3. Credit for Labor to Install the 4" Steel Strainer Backwash Force Main
The credit for the labor and equipment to install the 4" steel force main is (\$2,576.00).
4. Addition of an Additional Blowoff on Reservoir Drain Pipe, Line "C"
An additional blowoff was required on the 16" reservoir drain pipe in a low point on the pipe. The additional cost is \$6,022.38.
5. Credit for Strainer Backwash Lift Station
The credit for the strainer backwash lift station from ROMTEC that was replaced by a holding tank and vector removal is (\$83,000.00).
6. Addition of a Drop Manhole for Underdrain Flow Measurement
Staff requested a drop manhole located on the underdrain pipe to measure the underdrain flow rate on a periodic basis. Staff previously measured the flow on a 16" drain pipe outlet at the existing v-ditch near Portola Parkway. This pipe was recently abandoned. The additional cost is \$8,916.69.
7. Replacement of the 3/4" Rock Access Road with a DG Road
The design included a 3/4" rock access road to the interim facilities. After review, a Decomposed Granite access road was selected as a better material for the road for vehicle access. The credit for the 50 tons of 3/4" rock was (\$8,865.00), and the additional cost for the DG is \$8,785.00.
8. Additional Redwood Headers for the Access Road
44 linear feet of additional 12" x 2" redwood headers are required for the access road due to Crean Lutheran High School's relocation of the access gate approximately 25 feet to the southeast. The additional cost is \$1,113.20.

Staff Report For Syphon Reservoir Interim Facilities Contract Change Order No. 3

August 13, 2013

Page 2

9. Modification of the 4" DW Pipe

Relocation of the location of the Crean access gate and access road location also moved the 4-inch DW pipe located under the road. The additional material includes: additional 15 LF of 4-inch pipe, a 45 degree bend, and an 11.25 degree bend. The additional cost is \$1,587.00.

10. Changes in the Electric Scope of Work

The changes in the design due to the deletion of the strainer backwash lift station and the addition of the strainer backwash holding tank also created changes in the electric and instrumentation scope of work. The additional cost is \$6,554.16 for the addition of the proposed holding tank level transmitter and changes to the RTU.

11. Strainer Backwash Holding Tank

The strainer backwash lift station was replaced with a 5,000 gallon holding tank. The additional cost for the holding tank is \$23,256.45.

12. Additional Days for Changes in Scope of Work

The contractor requested an additional 80 calendar days to complete construction due to the changes in the design.

**Syphon Reservoir Interim Facilities
CCO No. 3 Itemized Summary**

Item	Description	Addition	Credit	Total CCO#3
1	Delete 4" steel force main, material cost.		\$ (12,500.00)	
2	Add 36"x16" concentric spool, \$1,000.	\$ 10,500.00		
	Added design and review, \$1,000.			
	Blowoff plan changes, \$2,500.			
	Added vertical angel point, \$6,000.			
3	Delete 4" steel force main, labor cost.		\$ (2,576.00)	
4	Additional blowoff on Reservoir Drain Line "C".	\$ 6,022.38		
5	Delete ROMTEC backwash lift station.		\$ (83,000.00)	
6	Additional drop manhole and 6" SD	\$ 8,916.69		
7	Replace 8" thick 3/4 rock with 8-inch thick layer of DG	\$ 8,785.00	\$ (8,865.00)	
8	12"x2" redwood header	\$ 1,113.20		
9	DW delta 4 add 15LF of 4-inch pipe, 1-45 and 1-11.25 degree bends	\$ 1,587.00		
10	Beard electric	\$ 6,554.16		
11	Xerxes Holding Tank, material cost	\$ 23,256.45		
		\$ 66,734.88	\$ (106,941.00)	\$ (40,206.12)

Exhibit "C"

CONTRACT CHANGE ORDER

IRVINE RANCH WATER DISTRICT
 15600 Sand Canyon Avenue
 Irvine, California 92619
 (949) 453-5300



C.O. No. 3, Page 1 of 1
 Final
 Project No. 30374 (3729)

Syphon Reservoir Interim Facilities & Pipeline Improvements

Project Title

Date: August 9, 2013

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
1. Additional scope of work items as summarized in the attached staff report.	\$66,734.88	\$-0-	80
2. Deletions to the scope of work as summarized in the attached staff report.	\$-0-	\$106,941.00	-0-
The project completion date shall be revised from August 20, 2013 to November 8, 2013.			
TOTAL	\$66,734.88	\$106,941.00	80

			DAYS ±
1. NET AMOUNT THIS CHANGE ORDER	=	(\$40,206.12)	80
2. ORIGINAL CONTRACT AMOUNT	=	\$1,529,800.00	180
3. TOTAL PREVIOUS CHANGE ORDER(S)	=	\$91,194.60	32
4. TOTAL BEFORE THIS CHANGE ORDER (2+ 3)	=	\$1,620,994.60	212
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$1,586,810.86	292

We hereby agree to make the above change subject to the terms of this change order for the sum of: _____

Minus Forty Two Hundred Six and 12/100 ----- Dollars

8/12/13
Date

Paulus Engineering, Inc.
Contractor

[Signature]
By

SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
<u>[Signature]</u> IRWD Engineer or Consulting Engineer	<u>8/12/13</u> Date	Department Director Approval Required <input type="checkbox"/> General Manager Approval Required <input type="checkbox"/> Committee Approval Required <input type="checkbox"/> Board Approval Required <input type="checkbox"/>
<u>[Signature]</u> Principal Engineer	<u>8/13/13</u> Date	
<u>[Signature]</u> Executive Director of Engineering & Planning	<u>8/13/13</u> Date	
General Manager	Date	
		By _____ Date _____
		Purchase Order No. _____

NOTE: The documents supporting this Change Order, including any drawings and estimates of cost, if required are attached hereto and made a part hereof. This Change Order shall not be considered as such until it has been signed by the Owner and the Contractor. Upon final approval, distribution of copies will be made as required. The parties mutually agree the pricing set forth in this Change Order are complete and fair compensation for the entirety of the work authorized under this Change Order and that no additional compensation is warranted nor shall it be allowed.

CHANGES: All workmanship and materials called for by this Order shall be fully in accord with the original Contract Documents insofar as the same may be applied without conflict to the conditions set forth by this Order. The time for completing the contract will not be extended unless expressly provided for in this Change Order.

pb
August 26, 2013
Prepared by: K. Lew/M. Gortez
Submitted by: K. Burton *(initials)*
Approved by: Paul Cook *(signature)*

CONSENT CALENDAR

PLANNING AREA 40 CYPRESS VILLAGE
NEIGHBORHOOD 2G CAPITAL IMPROVEMENTS

SUMMARY:

Irvine Community Development Company (ICDC) is currently developing Planning Area 40 Cypress Village (PA 40) which includes the construction of streets, storm drains, domestic water, sewer, and recycled water improvements. As part of the project, ICDC will construct the IRWD capital improvements under an existing Supplemental Reimbursement Agreement. Staff recommends that the Board:

- Authorize the addition of Project 30424 in the amount of \$108,900 to the FY 2013-14 Capital Budget; and
- Approve an Expenditure Authorization for Project 30424 in the amount of \$108,900 for Planning Area 40 Neighborhood 2G Recycled Water Capital Facilities.

BACKGROUND:

IRWD and ICDC have had a Reimbursement Agreement (RA) for construction of IRWD capital improvements in place since May 1997. Under this RA, a Supplemental Reimbursement Agreement serves to define the improvements to be designed and constructed within a specific Planning Area as well as the estimated reimbursable costs.

PA 40 is bounded by Trabuco Road to the north, the Great Park to the east, the I-5 to the south, and Jeffrey Road to the west. A Project Location Map is provided as Exhibit "A". The required IRWD domestic water, sewer, and recycled water capital improvements are documented in PA 40 Sub-Area Master Plan, as prepared in January 2011 and shown in the capital system maps as Exhibit "B". The design and construction of capital improvements consist of approximately 2,300 lineal feet of 6-inch diameter recycled water pipeline. The design and construction of the capital improvements will be performed under an ICDC contract through the terms of an existing Supplemental Reimbursement Agreement between IRWD and ICDC.

ICDC retained Wilson Mikami to prepare improvement plans and received bids from seven contractors on April 11, 2013. Clearwater was the lowest bidder for the IRWD improvements with a bid amount of \$52,671.20 as shown in Exhibit "C". In addition, ICDC has received consultant proposals for engineering services during construction, geotechnical soils testing, and surveying. Staff has reviewed the consultant proposals and the construction bids and found the amounts to be acceptable.

A summary of the Neighborhood 2G capital improvements costs under this Supplemental Reimbursement Agreement is shown below:

Design Engineering (Wilson Mikami)	\$ 7,000.00 (Estimated)
Construction (Clearwater)	\$ 52,671.20
Construction Soils Testing (Leighton)	\$ 660.00
Construction Surveying (RBF)	\$ 730.00
Construction Engineering (Wilson Mikami)	\$ 1,000.00
ICDC Administration Fee (1%)	\$ <u>526.71</u>
	\$ 62,587.91

FISCAL IMPACTS:

Funding for IRWD’s capital improvements will require the addition of Project 30424 (4528) to the FY 2013-14 Capital Budget and approval of an Expenditure Authorization in the amount shown in the table below and in Exhibit “D”.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
30424 (4528)	\$-0-	\$108,900	\$108,900	\$-0-	\$108,900	\$108,900

The above funding provides for the reimbursement costs to ICDC for the design and construction of IRWD capital improvements, staff time, and consultant support during construction.

ENVIRONMENTAL COMPLIANCE:

Construction of capital domestic water, sewer, and recycled water improvements for Planning Area 40 is subject to CEQA. In conformance with the California Code of Regulations Title 14, Chapter 3, Article 7 an Environmental Impact Report was certified by the City of Irvine on February 29, 2008 (SCH #2000071014).

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on August 20, 2013.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE ADDITION OF PROJECT 30424 (4528) IN THE AMOUNT OF \$108,900 TO THE FY 2013-14 CAPITAL BUDGET; AND APPROVE AN EXPENDITURE AUTHORIZATION FOR PROJECT 30424 (4528) IN THE AMOUNT OF \$108,900 FOR PLANNING AREA 40 NEIGHBORHOOD 2G RECYCLED WATER CAPITAL IMPROVEMENTS.

LIST OF EXHIBITS:

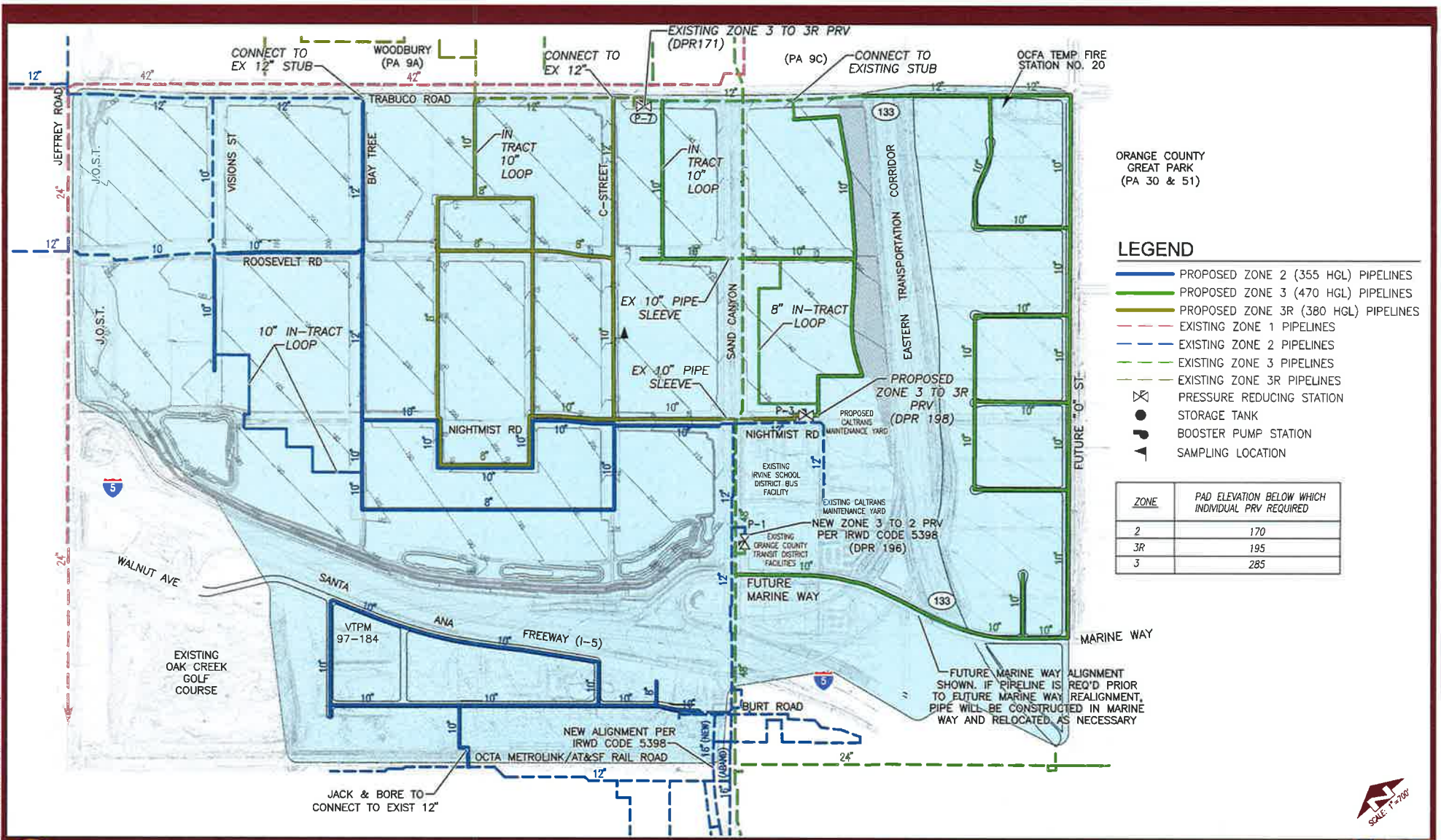
- Exhibit “A” – Project Location Map
- Exhibit “B” – Capital System Maps
- Exhibit “C” – Bid Summary for Construction of IRWD Capital Improvements
- Exhibit “D” – Expenditure Authorization

EXHIBIT "A"



PA 40 LOCATION MAP

EXHIBIT "B"



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10 Technology Drive, Irvine, CA 92618 Phone 949 923 6249 Fax 949 923 6188 www.stantec.com



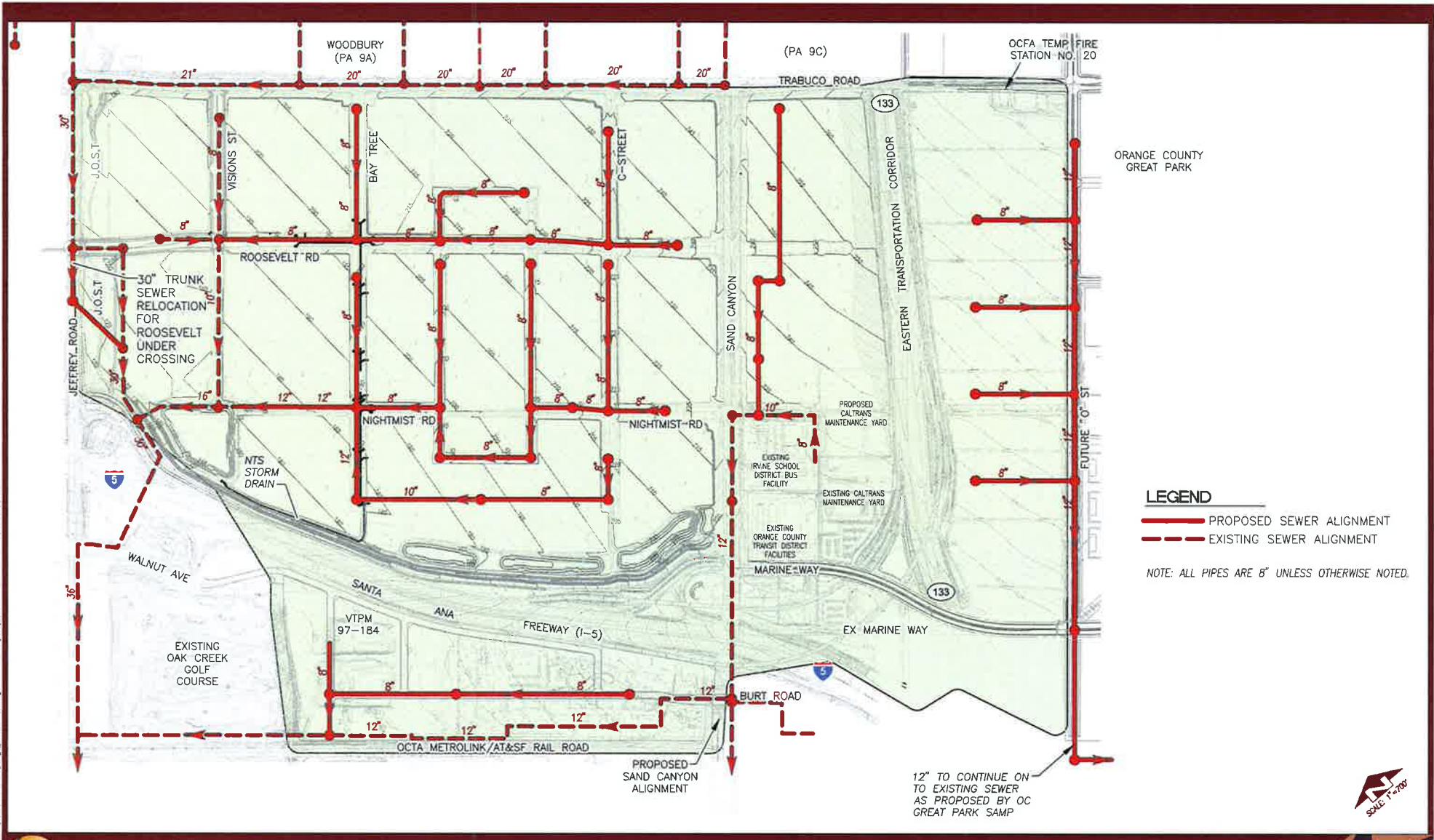
PREPARED FOR THE:
IRVINE RANCH
WATER DISTRICT

PLANNING AREA 40 SAMP

DOMESTIC WATER SYSTEM FACILITIES



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LEGEND

— PROPOSED SEWER ALIGNMENT

- - - EXISTING SEWER ALIGNMENT

NOTE: ALL PIPES ARE 8" UNLESS OTHERWISE NOTED.



PREPARED FOR THE:
 IRVINE RANCH
 WATER DISTRICT

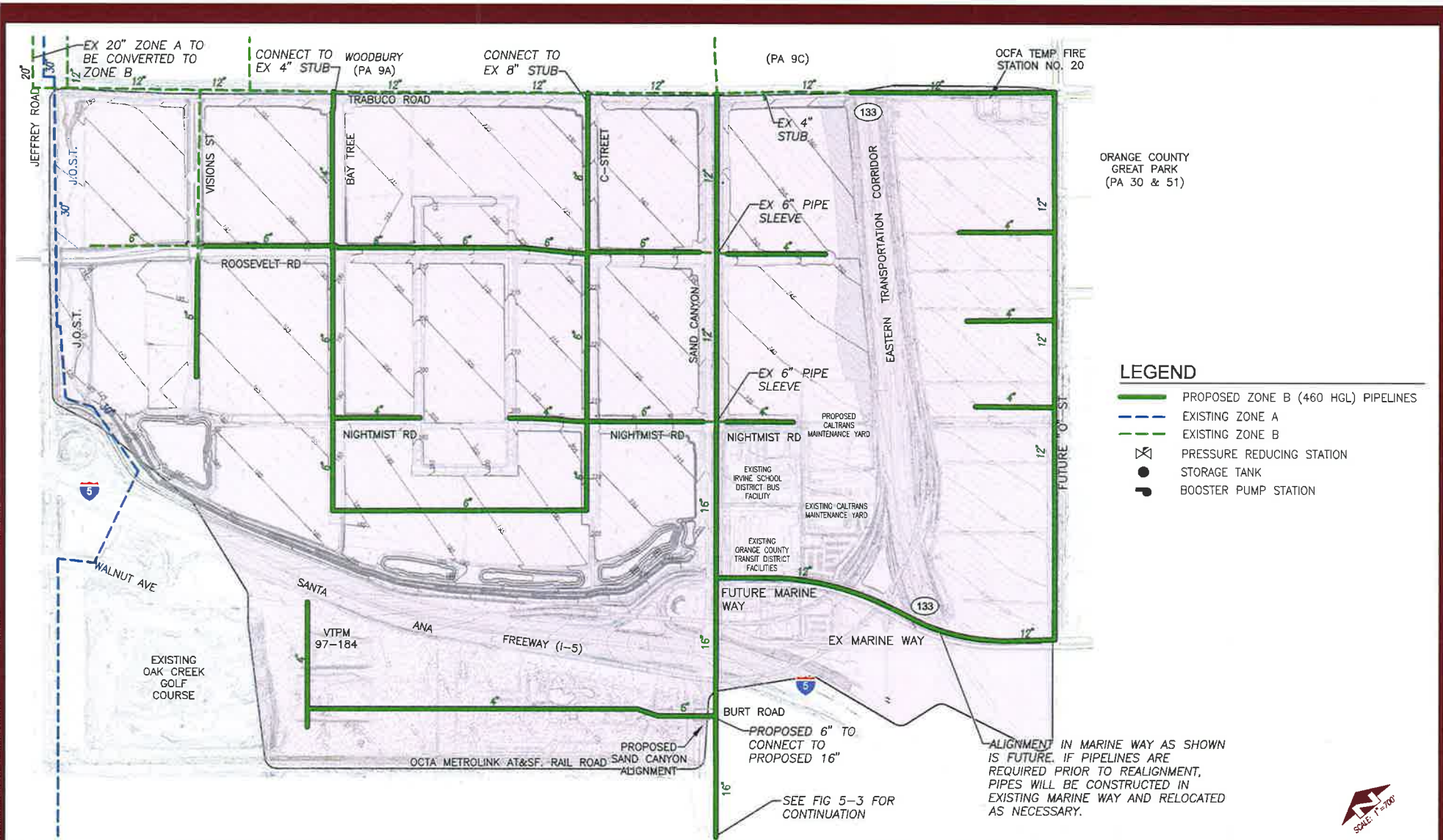
PLANNING AREA 40 SAMP

SEWER COLLECTION
 SYSTEM FACILITIES



FIGURE
 4-1

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ORANGE COUNTY GREAT PARK (PA 30 & 51)

LEGEND

- PROPOSED ZONE B (460 HGL) PIPELINES
- - - EXISTING ZONE A
- - - EXISTING ZONE B
- PRESSURE REDUCING STATION
- STORAGE TANK
- BOOSTER PUMP STATION



19 Technology Drive, Irvine, CA 92618 Phone 949 923 6249 Fax 949 923 6186 www.stantec.com



PREPARED FOR THE:
IRVINE RANCH WATER DISTRICT

PLANNING AREA 40 SAMP

NON-POTABLE WATER SYSTEM FACILITIES



Exhibit "C"

COPY

c: _____ Dave Conley
 _____ Mike Morse
 _____ Aaron Beck
 _____ File with Bid Key Map

PRE-BID MEETING DATE: March 14, 2013
 BID OPENING DATE: April 11, 2013
 WITNESSED BY: Tina Bachelder
 Mary Oshima

BID SUMMARY
CYPRESS VILLAGE (PA 40) - STREET IMPROVEMENTS
NEIGHBORHOOD 2G TRACT 17517 FRAMEWORK (BACKBONE) STREET IMPROVEMENTS
CONTRACT "B9PW"

TRACT NO.: 17517
 LINEAL FEET: 2,300 LF OF PUBLIC STREET IMP AND 500 LF OF PRIVATE STREET IMP.
 TASK PC ID: LD-0040.ST.35.cn01

CHECK LIST
 Required items to be included in bid package:

1. Signed Addendum No. 1
2. Corporate Seal (if applicable)
3. Correct Signatures (Page V-3)
4. Bid Totals Correctly
5. List of SubContractors
6. Equipment/Material Source Information
7. Contractors Rates/Reviewed
8. 10% Bid Bond
9. Construction Schedule
10. Non-Collusion Certificate
11. Contractor Prequalified

ENGINEER'S ESTIMATE WILSON MIKAMI	LOW BIDDER CLEARWATER	2ND BIDDER PAULUS	3RD BIDDER FYDAQ	4TH BIDDER IRVINE PIPELINE	5TH BIDDER BOUDREAU	6TH BIDDER L & S	7TH BIDDER KENNEDY
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Comments	Comments	Comments	Comments	Comments	Comments	Comments	Comments
			DID NOT CHECK AS BIDDER WAS NOT LOW	DID NOT CHECK AS BIDDER WAS NOT LOW	DID NOT CHECK AS BIDDER WAS NOT LOW	DID NOT CHECK AS BIDDER WAS NOT LOW	DID NOT CHECK AS BIDDER WAS NOT LOW
X X X X X X X X X X X	X X X X X X X X X X X						DECLINED PRIOR TO PRE-BID
							NO SHOW AT PREBID
							DECLINED AFTER PRE-BID MURRIETA DEVELOPMENT

CODING*	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
G. IRWD RECLAIMED WATER CAPITAL FACILITIES																	
1	INSTALL 6" AWWA PURPLE PVC C-900, PRESSURE CLASS 200 PER IRWD STD. NO. W-17	2,230	LF	\$18.00	\$40,140.00	\$10.80	\$24,084.00	\$22.37	\$49,885.10	\$25.09	\$55,950.70	\$30.00	\$66,900.00	\$30.00	\$66,900.00	\$30.00	\$66,900.00
2	INSTALL 6" D.I. TEE (FE X FE X FE) & THRUST BLOCK PER IRWD STD. NO. W-16	2	EA	\$750.00	\$1,500.00	\$355.00	\$710.00	\$386.80	\$773.60	\$400.00	\$800.00	\$300.00	\$600.00	\$340.00	\$680.00	\$450.00	\$900.00
3	INSTALL 6"x4"x6" D.I. TEE (FE X FE X FE) & THRUST BLOCK PER IRWD STD. NO. W-16	4	EA	\$700.00	\$2,800.00	\$355.00	\$1,420.00	\$371.23	\$1,484.92	\$400.00	\$1,600.00	\$300.00	\$1,200.00	\$380.00	\$1,440.00	\$450.00	\$1,800.00
4	CUT-IN 6" D.I. TEE (FE X FE X FE) & THRUST BLOCK PER IRWD STD. NO. W-16	1	EA	\$1,500.00	\$1,500.00	\$4,005.00	\$4,005.00	\$967.54	\$967.54	\$5,000.00	\$5,000.00	\$1,200.00	\$1,200.00	\$2,500.00	\$2,500.00	\$3,500.00	\$3,500.00
5	INSTALL 6" FLANGED COUPLING ADAPTER	2	EA	\$100.00	\$200.00	\$350.00	\$700.00	\$303.73	\$607.46	\$400.00	\$800.00	\$1,000.00	\$2,000.00	\$540.00	\$1,080.00	\$500.00	\$1,000.00
6	INSTALL 6" B.F.V. (FE X FE) PER IRWD STD. NO. W-22	16	EA	\$1,035.00	\$16,560.00	\$1,125.00	\$18,000.00	\$1,448.36	\$23,173.76	\$1,687.12	\$26,993.92	\$2,200.00	\$35,200.00	\$1,600.00	\$25,600.00	\$1,500.00	\$24,000.00
7	INSTALL 6" (FE X PO) ADAPTER	12	EA	\$105.00	\$1,260.00	\$220.00	\$2,640.00	\$288.16	\$3,457.92	\$250.00	\$3,000.00	\$200.00	\$2,400.00	\$190.00	\$2,280.00	\$230.00	\$2,760.00
8	REMOVE EXISTING TEMP FLUSH-OUT ASSEMBLY & JOIN EXISTING 6" PVC RECYCLED WATER MAIN	1	EA	\$945.00	\$945.00	\$725.00	\$725.00	\$1,333.10	\$1,333.10	\$3,500.00	\$3,500.00	\$2,200.00	\$2,200.00	\$2,600.00	\$2,600.00	\$2,700.00	\$2,700.00
9	PAYMENT AND PERFORMANCE BONDS	1	LS	\$545.55	\$545.55	\$862.20	\$862.20	\$935.00	\$935.00	\$833.80	\$833.80	\$825.00	\$825.00	\$1,034.00	\$1,034.00	\$880.00	\$880.00
TOTAL FRAMEWORK STREET IMPROVEMENTS (LD) (SECTIONS A-G)					\$65,450.55		\$52,946.20		\$82,618.40		\$98,478.42		\$112,525.00		\$104,114.00		\$104,440.00
CREDIT IF AWARDED "B9" AND "B10"							(\$275.00)										
TOTAL IRWD :							\$52,671.20										\$123,568.43

Contract:

IRWD Facilities are 11% of total bid received
** 1.2%
 ** 11% of total credit given by Clearwater*

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: PA 40 NEIGHBORHOOD 2G BACKBONE RW FACILITIES
 EPMS Project No: 30424 EA No: 1
 Oracle Project No: 4528
 Project Manager: CORTEZ, MALCOLM
 Project Engineer: LEW, KELLY
 Request Date: July 31, 2013

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
250	100.0	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$108,900
Total EA Requests:	\$108,900
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$108,900
Updated Budget:	\$108,900
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	5,000	0	5,000	5,000	0	5,000	5/13	5/14
ENGINEERING DESIGN - OUTSIDE	10,000	0	10,000	10,000	0	10,000	5/13	5/14
DESIGN STAFF FIELD SUPPORT	2,000	0	2,000	2,000	0	2,000	5/13	5/14
ENGINEERING - CA&I IRWD	10,000	0	10,000	10,000	0	10,000	5/13	5/14
ENGINEERING - CA&I OUTSIDE	8,000	0	8,000	8,000	0	8,000	5/13	5/14
CONSTRUCTION FIELD SUPPORT	2,000	0	2,000	2,000	0	2,000	5/13	5/14
CONSTRUCTION	60,000	0	60,000	60,000	0	60,000	5/13	5/14
LEGAL	2,000	0	2,000	2,000	0	2,000	5/13	5/14
Contingency - 10.00% Subtotal	\$9,900	\$0	\$9,900	\$9,900	\$0	\$9,900		
Subtotal (Direct Costs)	\$108,900	\$0	\$108,900	\$108,900	\$0	\$108,900		
Estimated G/A - 180.00% of direct labor*	\$34,200	\$0	\$34,200	\$34,200	\$0	\$34,200		
Total	\$143,100	\$0	\$143,100	\$143,100	\$0	\$143,100		
Direct Labor	\$19,000	\$0	\$19,000	\$19,000	\$0	\$19,000		

*EA includes estimated G&A. Actual G&A will be applied based on the current ratio of direct labor to general and administrative costs.

EA Originator: *Kelly Lew* 8/7/13
 Department Director: *Malcolm Cortez* 8/7/13
 Finance: *[Signature]* 8/15/13
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$146,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. This declaration of official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

DS
August 26, 2013
Prepared by: K. Lew/M. Cortez
Submitted by: K. Burton
Approved by: Paul Cook

CONSENT CALENDAR

TUSTIN LEGACY VILLAS CAPITAL IMPROVEMENTS

SUMMARY:

Irvine Community Development Company (ICDC) is starting development of a new apartment complex, Legacy Villas, in the Tustin Legacy development. As part of the project, ICDC will construct IRWD capital sewer improvements under a Supplemental Reimbursement Agreement. Staff recommends that the Board:

- Authorize the addition of Project 21153 in the amount of \$506,000 to the FY 2013-14 Capital Budget;
- Approve an Expenditure Authorization for Project 21153 in the amount of \$506,000; and
- Authorize the General Manager to execute a Supplemental Reimbursement Agreement with ICDC for construction of IRWD capital improvements in Tustin Legacy Villas.

BACKGROUND:

IRWD and ICDC have had a Reimbursement Agreement (RA) for construction of IRWD capital improvements in place since May 1997. Under this RA, a Supplemental Reimbursement Agreement serves to define the improvements to be designed and constructed within a specific Planning Area as well as the estimated reimbursable costs.

ICDC is starting construction of Legacy Villas, a 533-unit apartment complex in the Tustin Legacy development. Legacy Villas is bordered by Warner Avenue, Tustin Ranch Road and Park Avenue. A Project Location Map is provided as Exhibit "A". The required IRWD domestic water, sewer, and recycled water capital improvements are documented in the Tustin Legacy Sub-Area Master Plan Update, as prepared in June 2013 and shown in the capital system maps as Exhibit "B". The capital improvements consist of approximately 2,000 lineal feet of 12-inch diameter sewer that runs through the apartment complex.

The construction of the capital improvements will be performed under an ICDC contract through the terms of a Supplemental Reimbursement Agreement between IRWD and ICDC. The Supplemental Reimbursement Agreement, attached as Exhibit "C", has been reviewed by IRWD's legal counsel.

ICDC retained Fuscoe to prepare the improvement plans and received bids from four contractors on June 4, 2013. Irvine Pipeline was the lowest bidder for the IRWD improvements with a bid amount of \$321,750 as shown in Exhibit "D". In addition, ICDC has received consultant proposals for geotechnical soils testing, surveying, and engineering services during construction. Staff has reviewed the consultant proposals and the construction bids and found the amounts to be acceptable.

A summary of the Legacy Villas capital improvement costs under this Supplemental Reimbursement Agreement is shown below:

Design Engineering (Fuscoe)	\$ 0.00*
Construction (Irvine Pipeline)	\$321,750.00
Construction Soils Testing (NMG)	\$ 8,406.00
Construction Surveying (Fuscoe)	\$ 4,600.00
Construction Engineering (Fuscoe)	\$ 4,550.00
ICDC Administration Fee (1%)	\$ <u>3,217.50</u>
	\$342,523.50

*ICDC is not requesting reimbursement for design costs

FISCAL IMPACTS:

Funding for IRWD’s capital improvements will require the addition of Project 21153 (4518) to the FY 2013-14 Capital Budget and approval of an Expenditure Authorization in the amount shown in the table below and in Exhibit “E”.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
21153 (4518)	\$-0-	\$506,000	\$506,000	\$-0-	\$506,000	\$506,000

The above funding provides for the reimbursement costs to ICDC for the construction of IRWD capital improvements, staff time, and consultant support during construction.

ENVIRONMENTAL COMPLIANCE:

Construction of capital sewer improvements for the Legacy Villas project is subject to CEQA. In conformance with the California Code of Regulations Title 14, Chapter 3, Article 7 a Joint Environmental Impact Statement/Environmental Impact Report was certified by the City of Tustin and the Department of the Navy on January 3, 2000 (SCH #1982040906).

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on August 20, 2013.

RECOMMENDATION:

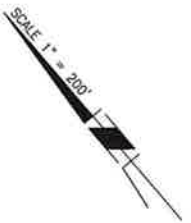
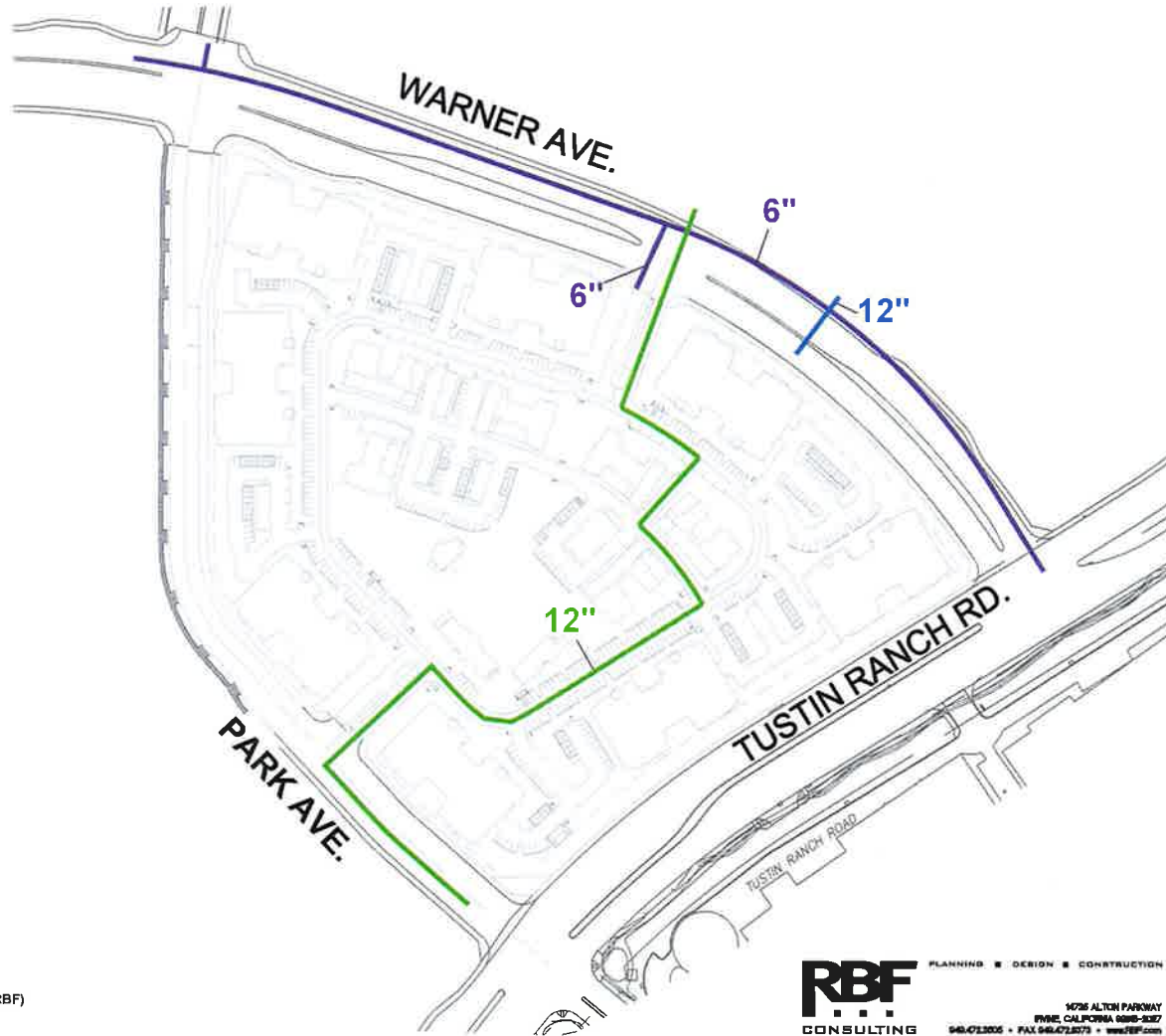
THAT THE BOARD AUTHORIZE THE ADDITION OF PROJECT 21153 (4518) IN THE AMOUNT OF \$506,000 TO THE FY 2013-14 CAPITAL BUDGET; APPROVE AN EXPENDITURE AUTHORIZATION FOR PROJECT 21153 (4518) IN THE AMOUNT OF \$506,000; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A SUPPLEMENTAL REIMBURSEMENT AGREEMENT WITH IRVINE COMMUNITY DEVELOPMENT COMPANY FOR TUSTIN LEGACY VILLAS CAPITAL IMPROVEMENTS, PROJECT 21153 (4518).

LIST OF EXHIBITS:

- Exhibit "A" – Project Location Map
- Exhibit "B" – Capital System Maps
- Exhibit "C" – Legacy Villas Supplemental Reimbursement Agreement
- Exhibit "D" – Bid Summary for Construction of IRWD Capital Improvements
- Exhibit "E" – Expenditure Authorization

EXHIBIT "A"

IRWD CAPITAL FACILITIES NEAR TUSTIN LEGACY (2A) - 5/31/13

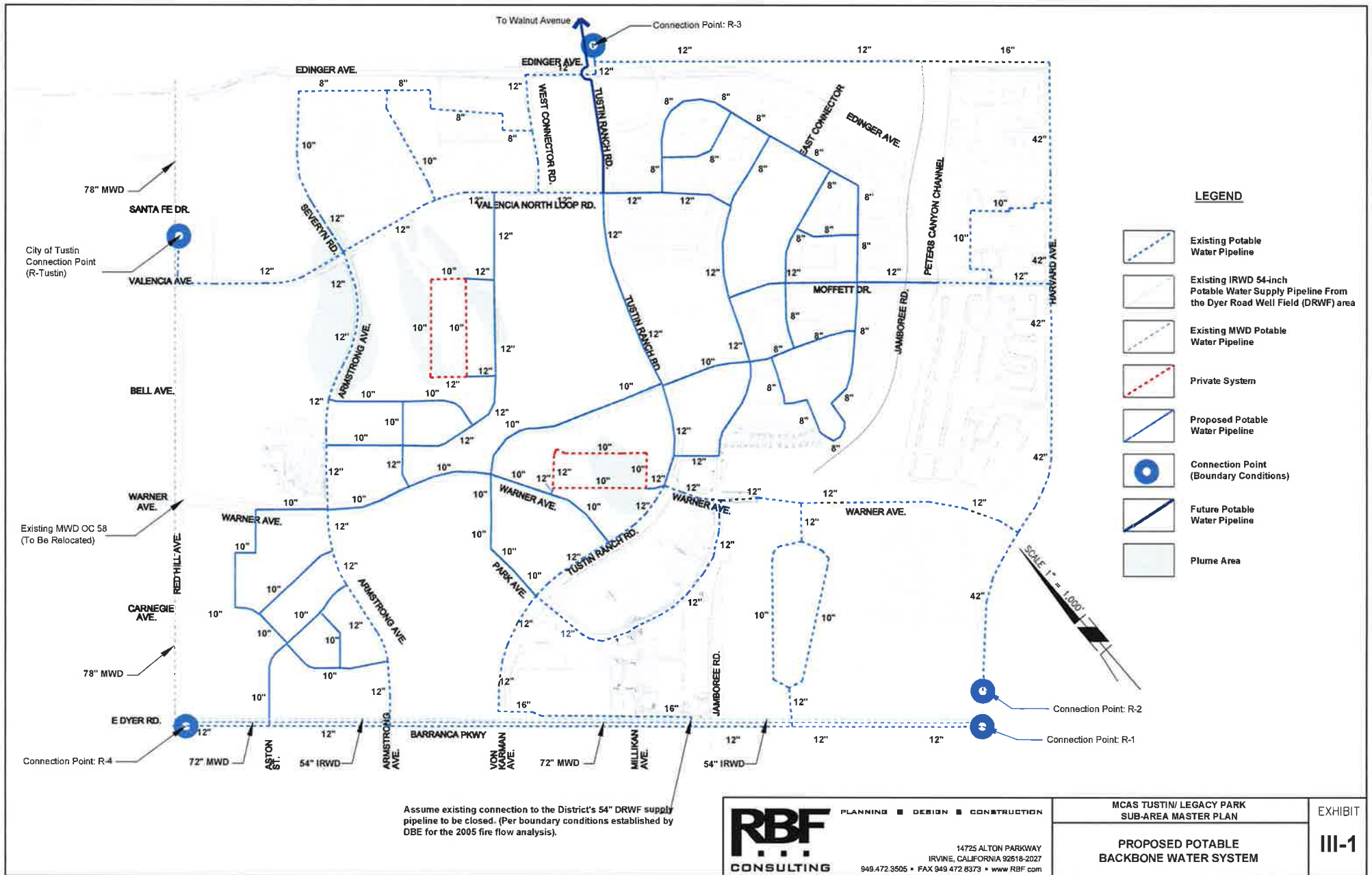


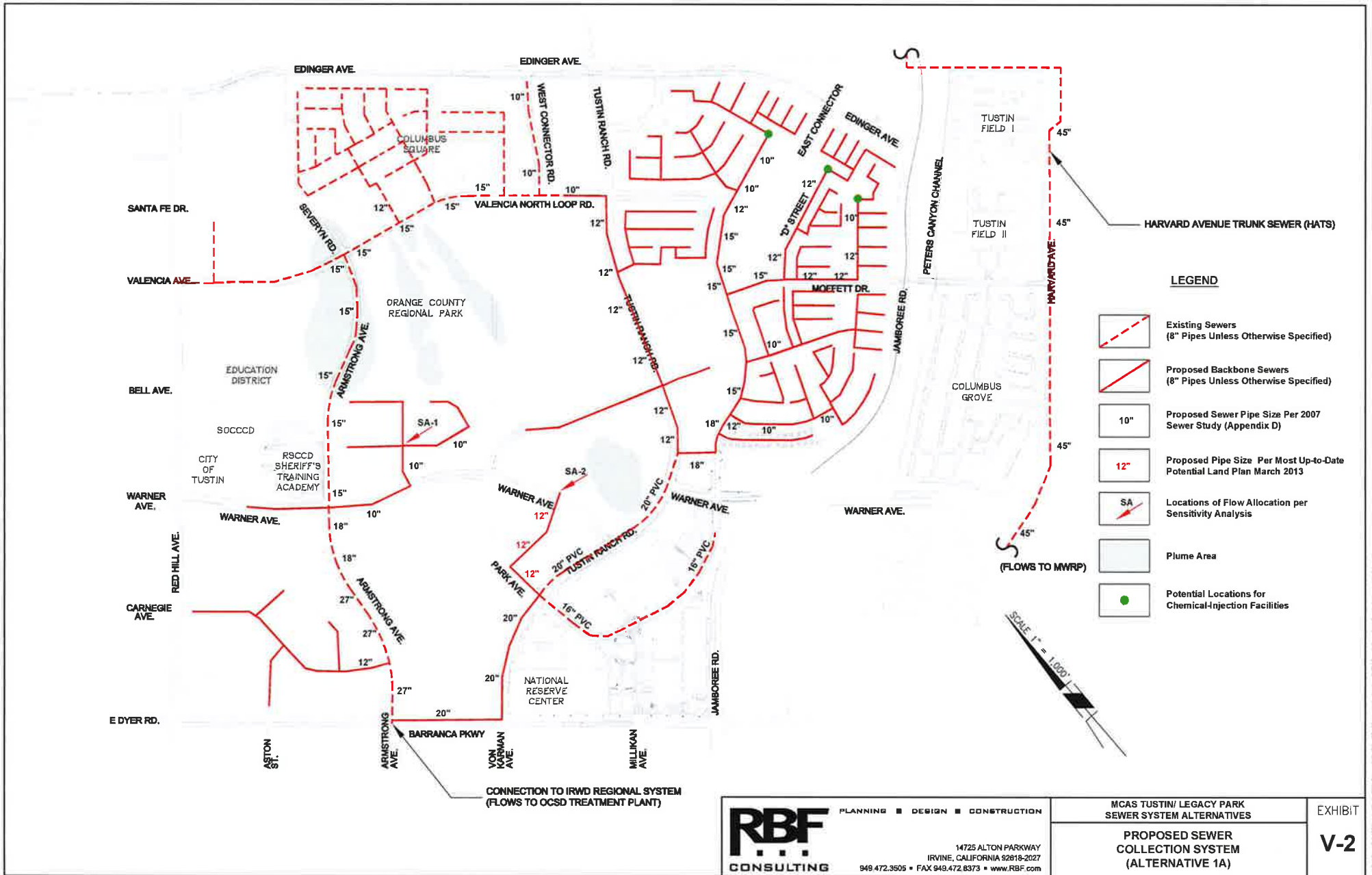
- LEGEND**
- Proposed Capital Potable Water (RBF)
 - Proposed Capital Non-Potable Water (RBF)
 - Proposed Capital Sewer (FUSCOE)

RBF CONSULTING
PLANNING • DESIGN • CONSTRUCTION
10786 ALTON PARKWAY
IRVINE, CALIFORNIA 92618-3827
949.472.3306 • FAX 949.472.8273 • www.RBF.com
DATE 5/31/13 JN 10-107351

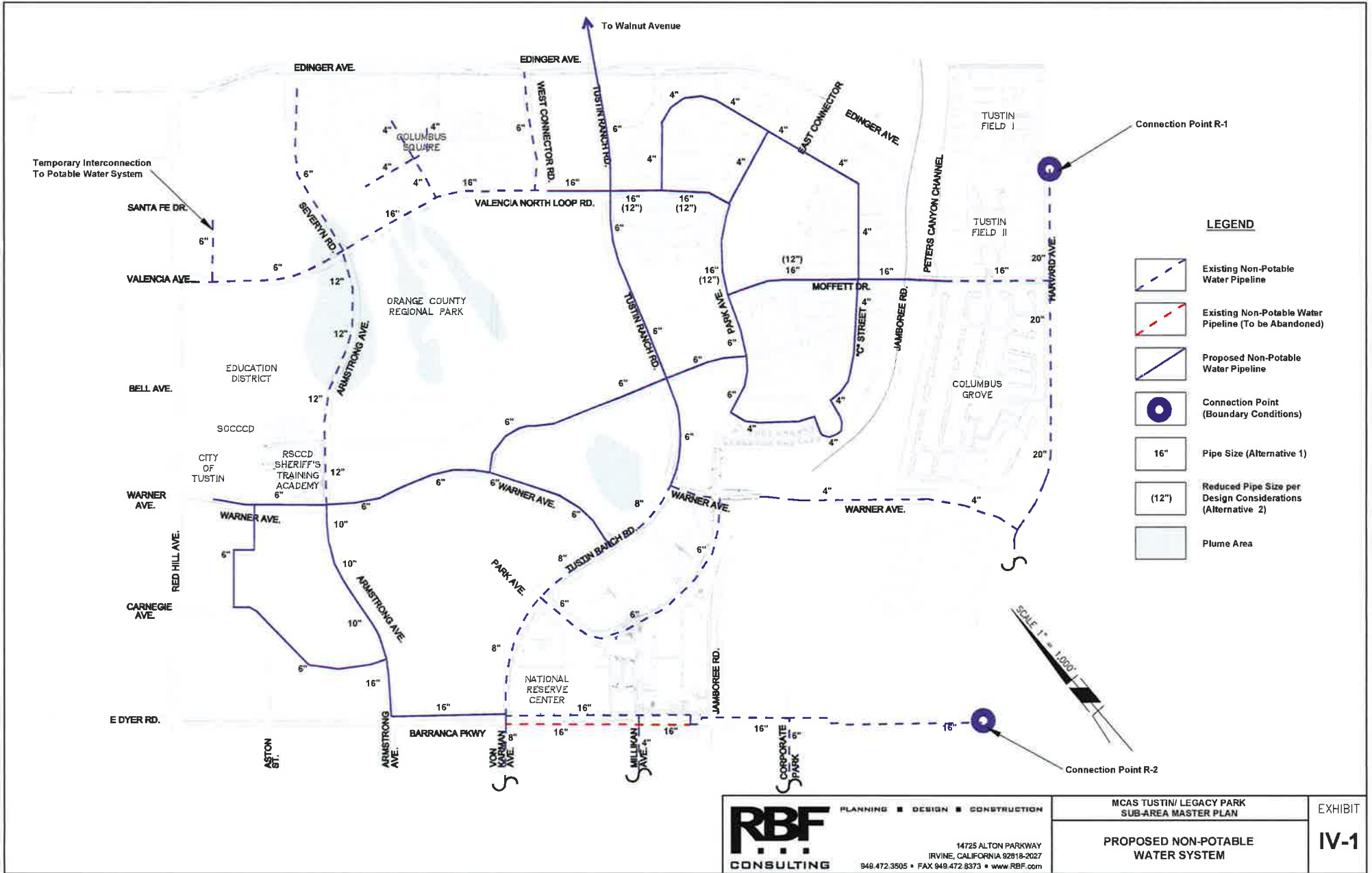
FUSCOE
ENGINEERING
full circle thinking

EXHIBIT "B"





	PLANNING ■ DESIGN ■ CONSTRUCTION 14725 ALTON PARKWAY IRVINE, CALIFORNIA 92618-2027 949.472.3505 • FAX 949.472.8373 • www.RBF.com	MCAS TUSTIN/ LEGACY PARK SEWER SYSTEM ALTERNATIVES	EXHIBIT V-2
	PROPOSED SEWER COLLECTION SYSTEM (ALTERNATIVE 1A)		



RBF CONSULTING PLANNING ■ DESIGN ■ CONSTRUCTION

14725 ALTON PARKWAY
IRVINE, CALIFORNIA 92618-2027
949.472.3505 • FAX 949.472.5373 • www.RBF.com

**MCAS TUSTIN/ LEGACY PARK
SUB-AREA MASTER PLAN**

**PROPOSED NON-POTABLE
WATER SYSTEM**

**EXHIBIT
IV-1**

Exhibit "C"

Exhibit "A"
to
Reimbursement Agreement

SUPPLEMENTAL REIMBURSEMENT AGREEMENT

BY AND BETWEEN

IRVINE RANCH WATER DISTRICT

AND

LEGACY VILLAS LLC

This SUPPLEMENTAL REIMBURSEMENT AGREEMENT ("Agreement") is entered into as of this ____ day of _____, 20____, by and between Irvine Ranch Water District, a California water district formed and existing pursuant to the California Water District Law of the state of California ("IRWD"), and Legacy Villas LLC, a subsidiary of The Irvine Company LLC ("TIC"). All capitalized terms used herein and not otherwise defined shall have the meanings given such terms in the Reimbursement Agreement.

WHEREAS, IRWD and TIC have previously entered into that certain Reimbursement Agreement dated May 21, 1997 ("Reimbursement Agreement") respecting construction of Capital Facilities; and

WHEREAS, said Reimbursement Agreement made reference to the fact that certain supplemental agreements would be entered into by the parties regarding construction of Capital Facilities and reimbursement therefore consistent with the provisions of said Reimbursement Agreement; and

WHEREAS, TIC wishes to assign all of its rights and obligations under the Reimbursement Agreement that pertain to the certain Capital Facilities described below, to Legacy Villas LLC, its subsidiary, Legacy Villas LLC wishes to accept such assignment, and IRWD has agreed to and waived any objection concerning any such assignment; and

WHEREAS, Legacy Villas LLC and IRWD now wish to enter this Agreement regarding the construction of Capital Facilities described below, subject to all of the terms of the Reimbursement Agreement, except as provided herein.

NOW, THEREFORE, the parties hereto, in consideration of the mutual promises and covenants hereinafter set forth, do agree as follows:

1. Except as provided herein, the parties hereto hereby incorporate by reference all of the terms and conditions of the Reimbursement Agreement into this Agreement.

2. The name of the Project to which this Agreement pertains is:
Planning Area 2A Tustin Legacy Capital Facilities.
The Project is depicted on Exhibit 1 attached to this Agreement.

3. The Capital Facilities to be constructed pursuant to this Agreement are as follows:
[describe type, diameter, approximate linear footage, etc; include any detailed drawing as Exhibit 3 if needed]

Approximately 130 linear feet of 12-inch diameter domestic water pipeline, 2,000 linear feet of 12-inch diameter trunk sewer, and 2,000 linear feet of 6-inch diameter recycled water main. The Capital Facilities **do /X do not** [check appropriate box] include any facilities that are a part of the Michelson/ Los Alisos Reclamation Plants Upgrades and Distribution System Expansion Project identified in the Agreement No. 61719 2003 LRP Local Resources Program Agreement, entered into as of June 13, 2005, by and between IRWD and the Metropolitan Water District of Southern California (the "MWD Local Project").

4. The total costs for the Capital Facilities shall include, but not be limited to, the actual costs for construction, surveying, compaction testing, permits, construction bonds, legal fees and an administration fee equal to one percent (1%) of the actual cost of construction (all such actual costs are collectively referred to as the "Costs"). The estimated amount of the Costs is \$730,000.

5. The following special terms apply to the construction of the Capital Facilities under this Agreement and supersede the provisions of the original Reimbursement Agreement referenced above: "The "Costs" shall also include consultant design and consultant construction administration assistance. TIC hereby assigns to Legacy Villas LLC, and Legacy Villas LLC, as assignee, does hereby agree to assume, all of TIC's rights and obligations under the Reimbursement Agreement that pertain to the certain Capital Facilities described in this Agreement and to perform all covenants and conditions which are to be performed by TIC pursuant to the Reimbursement Agreement that pertain to said Capital Facilities. IRWD consents to the foregoing assignment.

6. In accordance with Section 10 of the Reimbursement Agreement, Legacy Villas LLC is executing concurrently herewith an Assignment Agreement in the form of Exhibit 2, to be effective upon the Effective Date specified in the Assignment Agreement.

7. If the box in Section 3 above has been checked to indicate that any of the Capital Facilities are a part of the MWD Local Project, then Legacy Villas LLC shall include the following language in its agreements with any consultant or contractor retained by Legacy Villas LLC to work on the Capital Facilities:

"[Contractor / Consultant] agrees at its sole cost and expense to protect, indemnify, defend, and hold harmless Metropolitan Water District of Southern California, Municipal Water District of Orange County, and each of their respective Boards of Directors, officers, representatives, agents and employees from and against any and all claims and liability of any kind (including, but not limited to, any claims or liability for injury or death to any person, damage to property, natural resources or the environment, or water quality problems) that arise out of or relate to any act or omission of [Contractor / Consultant] in the performance of this agreement. Such indemnity shall include all damages and losses related to any claim made, whether or not a court action is filed, and shall include attorney fees, administrative and overhead costs, engineering and consulting fees and all other costs related to or arising out of such claim of liability."

IN WITNESS WHEREOF, the parties have entered this Agreement as of the date set forth above.

IRVINE RANCH WATER DISTRICT

LEGACY VILLAS LLC
A Delaware limited liability company

By: _____
General Manager

By: _____
Vice President, Project Mgt.

By: _____
Title: _____

_____, as assignor

By: _____
Title: _____

By: _____
Title: _____

Exhibit "1"
to
Supplemental Reimbursement Agreement

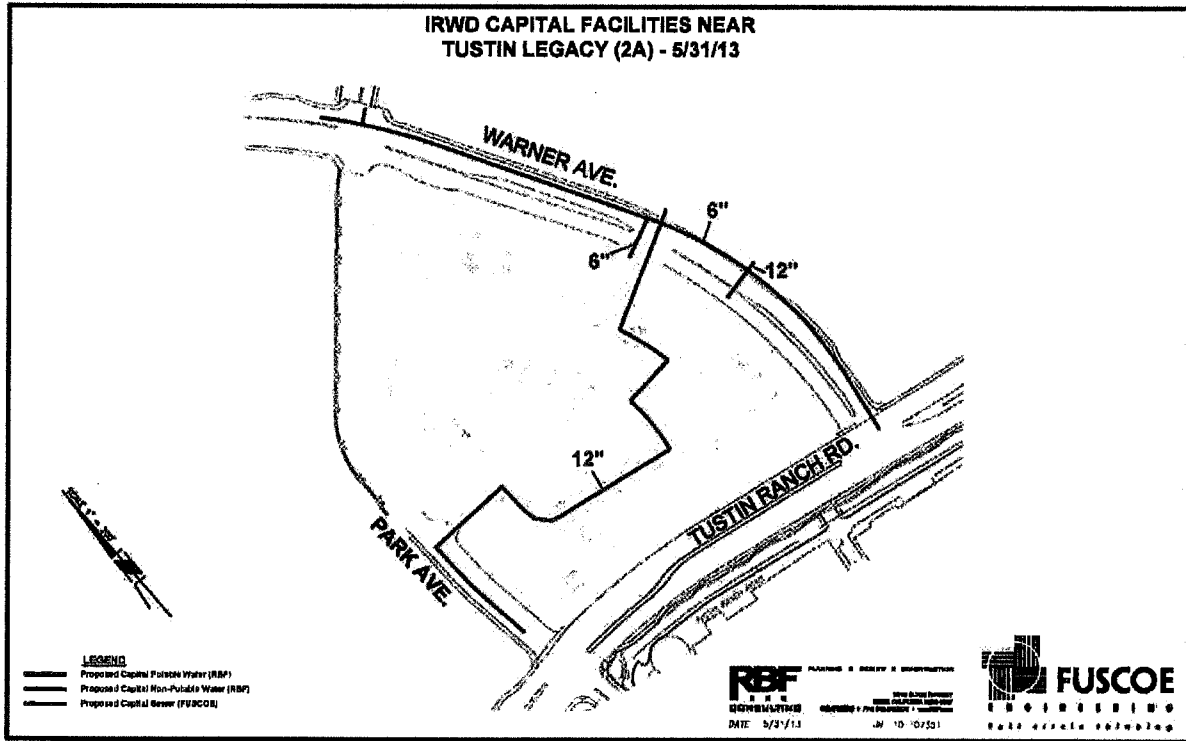


Exhibit "2"
to
Supplemental Reimbursement Agreement

Assignment Agreement

This ASSIGNMENT AGREEMENT is made as of _____, 20____, by and between LEGACY VILLAS LLC, a Delaware limited liability company, to IRVINE RANCH WATER DISTRICT, a California water district formed and existing pursuant to the California Water District Law of the State of California ("Assignee") based upon the following recitals:

A. Assignor has previously (or will, prior to the Effective Date hereof, have) entered into that certain Construction Contract relating to the Project and Capital Facilities identified in Schedule A hereto (the "Construction Contract").

B. Assignee desires to acquire (I) Assignor's right, title and interest in and to the Capital Facilities constructed under the Construction Contract, and (II) the warranty rights of Assignor as to the Capital Facilities under the Construction Contract, and Assignor desires to assign such rights to Assignee.

NOW, THEREFORE, in consideration of the foregoing, the covenants and agreements contained herein and other valuable consideration, receipt of which is hereby acknowledged, the parties hereto agree as follows:

1. ASSIGNMENT. Effective upon the date specified in Section 2 hereof (the "Effective Date"), Assignor assigns and transfers to Assignee all of Assignor's right, title, claim and interest in and to (a) the Capital Facilities constructed pursuant to the Construction Contract, and (b) the warranties and guarantees of contractor as to the Capital Facilities constructed pursuant to the Construction Contract. This Assignment is made by Assignor pursuant to the provisions of Section 10, entitled "Assignment of Interest", contained in that certain Reimbursement Agreement between Assignor and Assignee dated as of May 21, 1997.

2. EFFECTIVE DATE. The Effective Date shall be the date of the filing of the Notice of Completion for the Construction Contract unless a different date is inserted in the following space: _____

3. TRANSFER OF DOCUMENTATION. On or prior to the Effective Date, Assignor shall provide Assignee with a copy of the Construction Contract.

IN WITNESS WHEREOF, Assignor has executed this Assignment Agreement as of the date first above written.

ASSIGNOR:

LEGACY VILLAS LLC, a Delaware limited liability company

By: _____
Vice President Project Mgt.

By: _____

Title: _____

Schedule A
to
Assignment Agreement

This Schedule A to Assignment Agreement relates to the assignment of certain matters pursuant to the Supplemental Reimbursement Agreement between Assignor and Assignee dated _____ (“Supplemental Reimbursement Agreement”).

Agreement: Insert name of Project from Section 2 of Supplemental Reimbursement Agreement: Planning Area 2A Tustin Legacy Capital Facilities

Insert description of Capital Facilities from Section 3 of Supplemental Reimbursement Agreement: Approximately 130 linear feet of 12-inch diameter domestic water pipeline, 2,000 linear feet of 12-inch diameter trunk sewer, and 2,000 linear feet of 6-inch diameter recycled water main.

Contractor's Name: _____

License No. _____

Address: _____

Phone #: _____ Fax #: _____

Contact Person: _____

Exhibits to Supplemental Reimbursement Agreement:

Exhibit 1 - Depiction of Project

Exhibit 2 - Assignment Agreement

EXHIBIT "D"

BID SUMMARY
TUSTIN LEGACY - LEGACY VILLAS
CONTRACT 'B0' ON-SITE SANITARY SEWER
BETWEEN PARK AVENUE (STA 14+83) AND WARNER AVENUE (STA 57+75)
IRWD CAPITAL AND NON-CAPITAL IMPROVEMENTS, PREVAILING WAGE
BID PACKAGE NO. B00095, TRACT 17404
PC: LD-5500.ST.01.cn02
IRWD CAPITAL: 1,950 LF AND NON-CAPITAL: 11,100 LF

ENGINEER'S ESTIMATE RBF	LOW BIDDER IRVINE PIPELINE	2ND BIDDER KEC ENGINEERING	3RD BIDDER FYDAQ	4TH BIDDER LEATHERWOOD
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CODING*	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
II. LEGACY VILLAS' OPTION (LEGACY VILLAS MAY OR MAY NOT INCLUDE THESE ITEMS AS PART OF THE BASE CONTRACT)													
C GENERAL (IRWD CAPITAL) (INFRASTRUCTURE CONSTRUCTION AND REIMBURSEMENT AGREEMENT ITEM #B1b, B2b & B3a)													
9600470	20 MOBILIZATION	1	LS	\$13,000.00	\$13,000.00	\$3,000.00	\$3,000.00	\$800.00	\$800.00	\$3,000.00	\$3,000.00	\$13,000.00	\$13,000.00
9600470	21 PROVIDE "POLLUTION LIABILITY" INSURANCE COVERAGE PER ICDC'S INSURANCE REQUIREMENTS	1	LS	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$2.00	\$2.00	\$25,000.00	\$25,000.00	\$45,000.00	\$45,000.00
9600720	22 PAYMENT AND PERFORMANCE BONDS	1	LS	\$2,500.00	\$2,500.00	\$7,500.00	\$7,500.00	\$5,200.00	\$5,200.00	\$7,205.00	\$7,205.00	\$10,200.00	\$10,200.00
9600470	23 DEVELOP CONSTRUCTION WATER	1	LS	\$1,000.00	\$1,000.00	\$2,000.00	\$2,000.00	\$6,340.00	\$6,340.00	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00
9600470	24 DEWATERING INTO SEWER SYSTEM (INCLUDING ALL OCSD DISCHARGE FEES)	1	LS	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$60,780.00	\$60,780.00	\$105,000.00	\$105,000.00	\$77,000.00	\$77,000.00
9600470	25 DESIGN, INSTALL, OPERATE AND REMOVE DEWATERING FLUIDS TREATMENT SYSTEM (DFTS)	1	LS	\$10,000.00	\$10,000.00	\$42,000.00	\$42,000.00	\$20,600.00	\$20,600.00	\$80,000.00	\$80,000.00	\$84,000.00	\$84,000.00
9600470	26 CONTROL OF NUISANCE WATER	1	LS	\$1,000.00	\$1,000.00	\$20,000.00	\$20,000.00	\$9,800.00	\$9,800.00	\$3,500.00	\$3,500.00	\$1,000.00	\$1,000.00
9600400	27 INTERIM EROSION & SEDIMENT CONTROL	1	LS	\$10,000.00	\$10,000.00	\$2,000.00	\$2,000.00	\$9,450.00	\$9,450.00	\$3,500.00	\$3,500.00	\$1,000.00	\$1,000.00
D IRWD CAPITAL - SEWER IMPROVEMENTS (INFRASTRUCTURE CONSTRUCTION AND REIMBURSEMENT AGREEMENT ITEM #B1b, B2b & B3a)													
9600470	28 CONSTRUCT TEMPORARY SEWER BYPASS	1	LS	\$5,000.00	\$5,000.00	\$3,600.00	\$3,600.00	\$5,775.00	\$5,775.00	\$10,000.00	\$10,000.00	\$6,300.00	\$6,300.00
9600470	29 CONSTRUCT 12" PVC (SDR-35) SEWER PIPE PER IRWD STD. S-6	1,950	LF	\$120.00	\$234,000.00	\$81.00	\$157,950.00	\$92.00	\$179,400.00	\$75.00	\$146,250.00	\$167.00	\$325,650.00
9600470	30 CONSTRUCT 48" MANHOLE PER IRWD STD. S-1	4	EA	\$5,000.00	\$20,000.00	\$3,000.00	\$12,000.00	\$3,875.00	\$15,500.00	\$4,229.00	\$16,916.00	\$4,500.00	\$18,000.00
9600470	31 CONSTRUCT 60" MANHOLE PER IRWD STD. S-1	5	EA	\$7,000.00	\$35,000.00	\$5,000.00	\$25,000.00	\$6,360.00	\$31,800.00	\$7,028.00	\$35,140.00	\$7,900.00	\$39,500.00
9600470	32 INSTALL 24" STEEL CASING (3/8" MIN. WALL THICKNESS) PER IRWD STD. S-7	85	LF	\$200.00	\$17,000.00	\$150.00	\$12,750.00	\$390.00	\$33,150.00	\$250.00	\$21,250.00	\$140.00	\$11,900.00
9600470	33 CONSTRUCT 48" DIAMETER SEWER MANHOLE WITH T-LOCK, RAVEN OR ZEBRON COATING PER IRWD STD. S-1	1	EA	\$6,500.00	\$6,500.00	\$5,200.00	\$5,200.00	\$7,700.00	\$7,700.00	\$6,300.00	\$6,300.00	\$5,600.00	\$5,600.00
9600470	34 CONSTRUCT 60" DIAMETER SEWER MANHOLE WITH T-LOCK, RAVEN OR ZEBRON COATING PER IRWD STD. S-1	1	EA	\$8,500.00	\$8,500.00	\$8,500.00	\$8,500.00	\$10,500.00	\$10,500.00	\$11,210.00	\$11,210.00	\$11,300.00	\$11,300.00
9600470	35 REGRADING AND RECERTIFYING PAD AND DRIVE/PARKING LOT FINISH GRADING IMPACTED BY SEWER CONSTRUCTION	1	LS	\$10,000.00	\$10,000.00	\$3,200.00	\$3,200.00	\$11,900.00	\$11,900.00	\$10,000.00	\$10,000.00	\$12,000.00	\$12,000.00
9600470	36 ADJUST 48" OR 60" MANHOLE TO FINAL GRADE	9	EA	\$250.00	\$2,250.00	\$350.00	\$3,150.00	\$660.00	\$5,940.00	\$450.00	\$4,050.00	\$550.00	\$4,950.00
9600470	37 ADJUST 48" OR 60" MANHOLE WITH T-LOCK, RAVEN OR ZEBRON COATING TO FINAL GRADE	2	EA	\$250.00	\$500.00	\$450.00	\$900.00	\$900.00	\$1,800.00	\$450.00	\$900.00	\$1,000.00	\$2,000.00
9600470	38 PERFORM FINAL SEWER CLEANOUT FOR IRWD ACCEPTANCE	1	LS	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$4,200.00	\$4,200.00	\$3,500.00	\$3,500.00	\$4,500.00	\$4,500.00
9600470	39 ALL ELSE REQUIRED TO COMPLETE THE IRWD CAPITAL SANITARY SEWER AS SHOWN ON PLANS, SPECIFICATIONS & AGENCY STANDARDS, BUT NOT SHOWN ON SCHEDULE OF VALUES	1	LS	\$35,000.00	\$35,000.00	\$2,000.00	\$2,000.00	\$8,699.00	\$8,699.00	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00
TOTAL BASE CONTRACT (IRWD CAPITAL) BID PRICE (SECTION C & D):					\$423,250.00	\$321,750.00	\$429,336.00	\$500,221.00	\$678,400.00				

IRVINE RANCH WATER DISTRICT EXHIBIT "E"

Expenditure Authorization

Project Name: TUSTIN LEGACY - LEGACY VILLAS SEWER
EPMS Project No: 21153 **EA No:** 1
Oracle Project No: 4518
Project Manager: CORTEZ, MALCOLM
Project Engineer: LEW, KELLY
Request Date: August 3, 2013

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
213	100.0	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$506,000
Total EA Requests:	\$506,000
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$506,000
Updated Budget:	\$506,000
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	15,000	0	15,000	15,000	0	15,000	4/13	6/13
ENGINEERING DESIGN - OUTSIDE	0	0	0	0	0	0	4/13	6/13
DESIGN STAFF FIELD SUPPORT	5,000	0	5,000	5,000	0	5,000	8/13	5/14
ENGINEERING - CA&I IRWD	35,000	0	35,000	35,000	0	35,000	8/13	5/14
ENGINEERING - CA&I OUTSIDE	40,000	0	40,000	40,000	0	40,000	8/13	5/14
CONSTRUCTION FIELD SUPPORT	10,000	0	10,000	10,000	0	10,000	8/13	5/14
CONSTRUCTION	350,000	0	350,000	350,000	0	350,000	8/13	5/14
LEGAL	5,000	0	5,000	5,000	0	5,000	4/13	5/14
Contingency - 10.00% Subtotal	\$46,000	\$0	\$46,000	\$46,000	\$0	\$46,000		
Subtotal (Direct Costs)	\$506,000	\$0	\$506,000	\$506,000	\$0	\$506,000		
Estimated G/A - 180.00% of direct labor*	\$117,000	\$0	\$117,000	\$117,000	\$0	\$117,000		
Total	\$623,000	\$0	\$623,000	\$623,000	\$0	\$623,000		
Direct Labor	\$65,000	\$0	\$65,000	\$65,000	\$0	\$65,000		

*EA includes estimated G&A. Actual G&A will be applied based on the current ratio of direct labor to general and administrative costs.

EA Originator:

Kelly Lew

8/5/13

Department Director:

Kevin L. Burton

8/6/13

Finance:

Steve

8/16/13

Board/General Manager:

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$636,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. This declaration of official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

OB
August 26, 2013
Prepared by: C. Kessler/K Lew/M. Cortez
Submitted by: K. Burton *(KB)*
Approved by: Paul Cook *(PC)*

CONSENT CALENDAR

BAKER RANCH PHASE 1B CAPITAL IMPROVEMENTS

SUMMARY:

Shea Baker Ranch Associates (Shea Baker) is beginning the next phase of the Baker Ranch development which includes the construction of streets, storm drains, domestic water, sewer, and recycled water improvements. As part of the development, Shea Baker will construct IRWD capital improvements under an existing Reimbursement Agreement. Staff recommends that the Board:

- Authorize increases to the FY 2013-14 Capital Budget for Projects 11662 and 31662 in the amounts of \$181,500 and \$38,500, respectively; and
- Approve Expenditure Authorizations for Projects 11662 and 31662 in the amounts of \$811,800 and \$299,200, respectively, for the Baker Ranch Phase 1B capital improvements.

BACKGROUND:

Shea Baker is moving forward with the construction of the Baker Ranch Phase 1B improvements. A Project Location Map is provided as Exhibit "A". The required IRWD domestic water and recycled water capital improvements are documented in the Lake Forest Area Sub-Area Master Plan, as prepared in October 2010 and shown in the capital system maps as Exhibit "B". The capital improvements consist of approximately 3,825 lineal feet of 12-inch and 16-inch diameter domestic water pipeline and 3,624 lineal feet of 6-inch, 8-inch and 12-inch recycled water pipeline. The design and construction of the capital improvements will be performed under the terms of an existing Reimbursement Agreement between Shea Baker and IRWD dated September 24, 2012.

Shea Baker retained RBF Consulting, Inc. (RBF) to prepare the improvement plans and received bids from six contractors in April 2013. Kana Pipeline Inc. was the lowest bidder for the IRWD improvements with a bid amount of \$769,002 as shown in Exhibit "C". Staff has reviewed the construction bid and found the amount to be acceptable.

A summary of the Baker Ranch Phase 1B capital improvement costs is shown below:

Design Engineering (RBF)	\$	0.00*
Construction Soils Testing	\$	0.00*
Construction Surveying	\$	0.00*
Construction (Kana Pipeline Inc.)	\$	769,002.00
Shea Baker Administration Fee (1%)	\$	<u>7,690.02</u>
	\$	<u>776,692.02</u>

*Approved under Phase 1A

FISCAL IMPACTS:

Projects 11662 (4004) and 31662 (4005) are included in the FY 2013-14 Capital Budget. Funding for IRWD's capital improvements will require an increase to the FY 2013-14 Capital Budget and approval of Expenditure Authorizations in the amounts shown in the table below and in Exhibit "D".

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
11662 (4004)	\$630,300	\$181,500	\$ 811,800	\$-0-	\$ 811,800	\$ 811,800
31662 (4005)	\$260,700	\$ 38,500	\$ 299,200	\$-0-	\$ 299,200	\$ 299,200
TOTAL	\$891,000	\$220,000	\$1,111,000	\$-0-	\$1,111,000	\$1,111,000

The above funding provides for the reimbursement costs to Shea Baker for the construction of IRWD capital improvements and staff time.

ENVIRONMENTAL COMPLIANCE:

Construction of capital domestic water, sewer, and recycled water improvements for the Baker Ranch project is subject to CEQA. In conformance with the California Code of Regulations Title 14, Chapter 3, Article 7 a Supplemental Environmental Impact Report was certified by the City of Lake Forest on May 15, 2012 (SCH #2004071039).

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on August 20, 2013.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE INCREASES TO THE FY 2013-14 CAPITAL BUDGET FOR PROJECTS 11662 (4004) AND 31662 (4005) IN THE AMOUNTS OF \$181,500 AND \$38,500, RESPECTIVELY; AND APPROVE EXPENDITURE AUTHORIZATIONS FOR PROJECTS 11662 (4004) AND 31662 (4005) IN THE AMOUNTS OF \$811,800 AND \$299,200, RESPECTIVELY, FOR THE BAKER RANCH PHASE 1B CAPITAL IMPROVEMENTS.

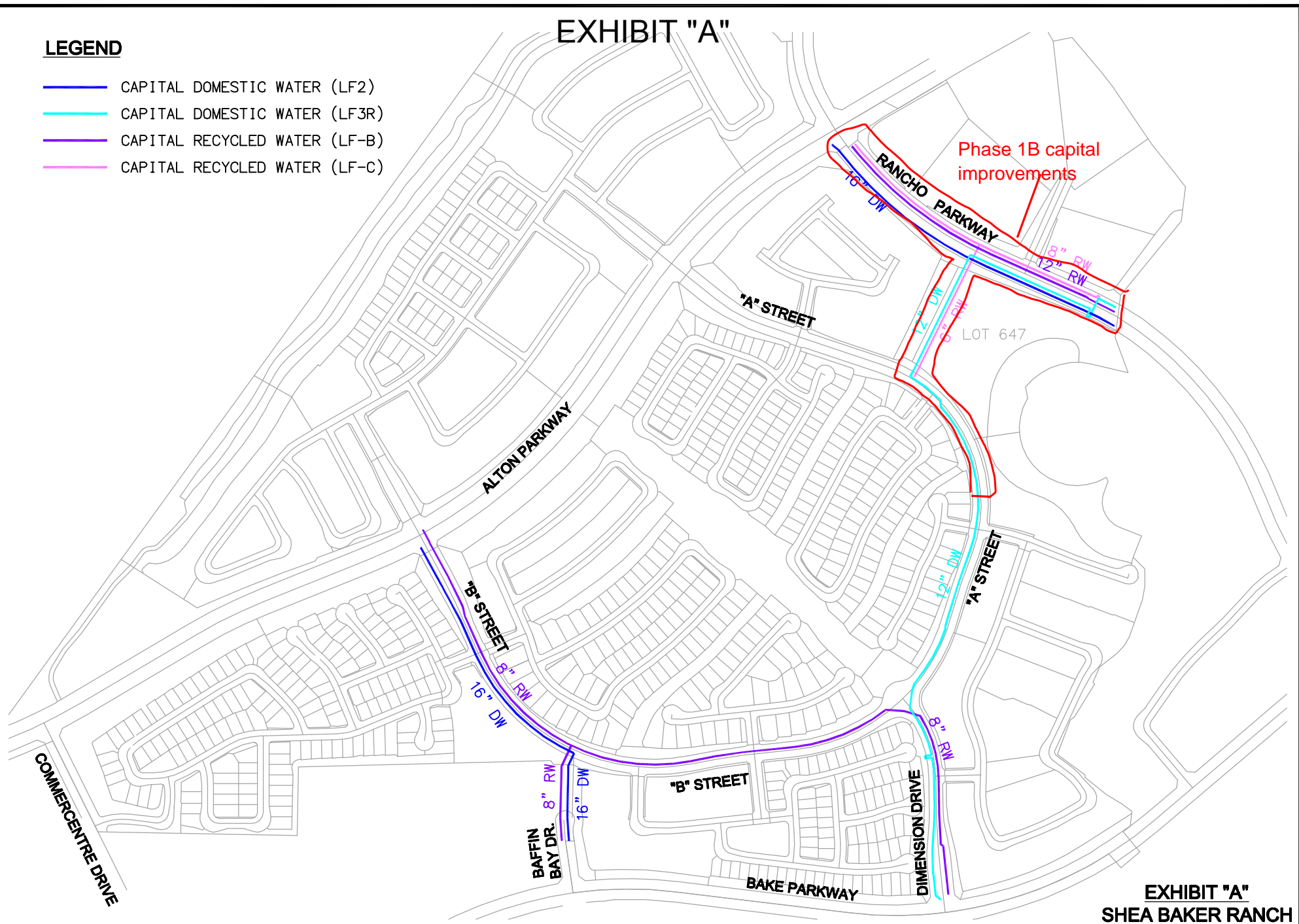
LIST OF EXHIBITS:

- Exhibit "A" – Project Location Map
- Exhibit "B" – Capital System Maps
- Exhibit "C" – Bid Summary for Construction of IRWD Capital Improvements
- Exhibit "D" – Expenditure Authorizations

EXHIBIT "A"

LEGEND

- CAPITAL DOMESTIC WATER (LF2)
- CAPITAL DOMESTIC WATER (LF3R)
- CAPITAL RECYCLED WATER (LF-B)
- CAPITAL RECYCLED WATER (LF-C)



H:\PROJECTS\10180707\LAND\EXHIBIT\CONCEPT\RANCH EXHIBIT A.DWG 01/08/12 8/13/12 10:02 am

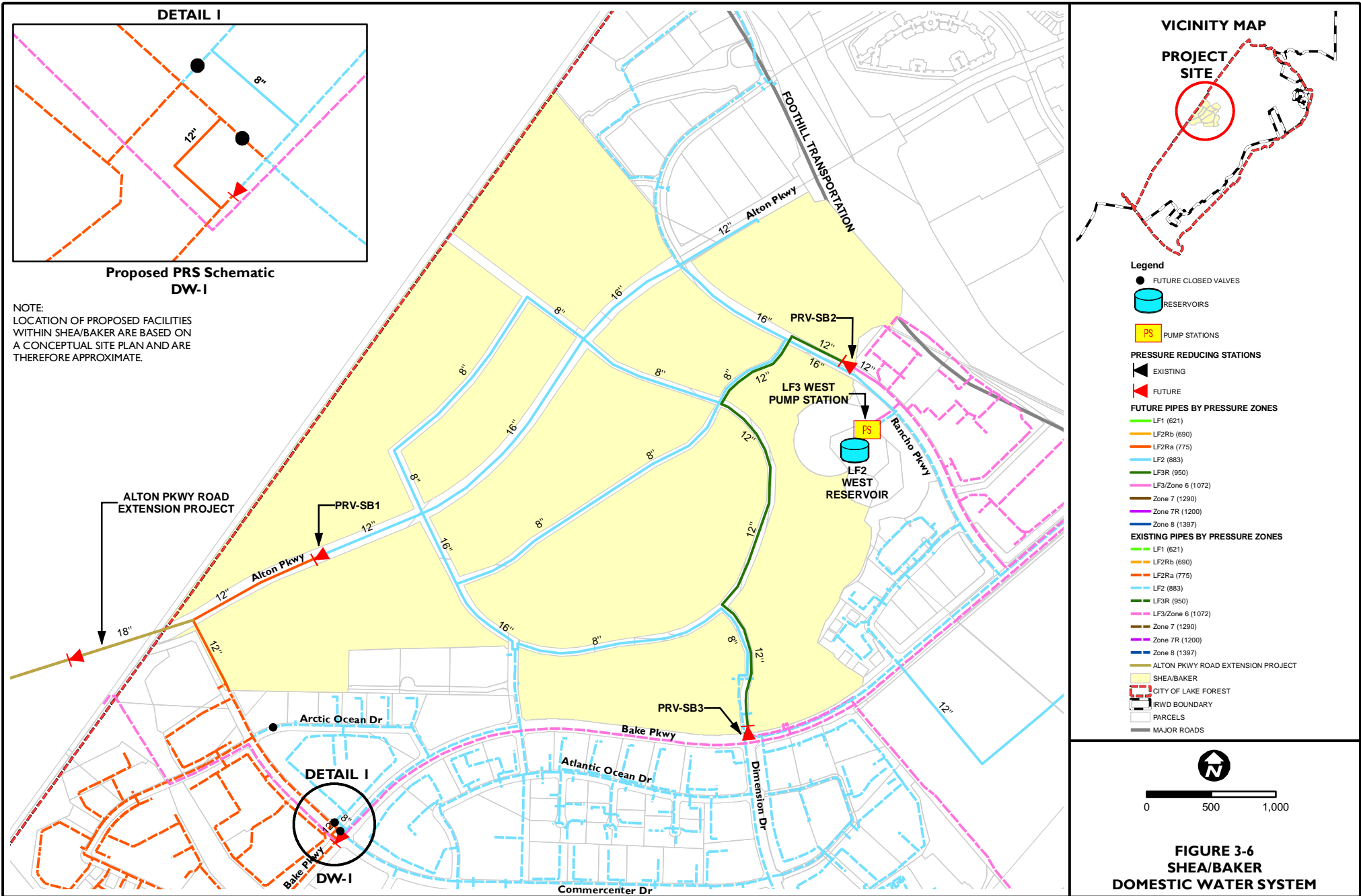
EXHIBIT "A"
SHEA BAKER RANCH
ASSOCIATES
CAPITAL FACILITIES

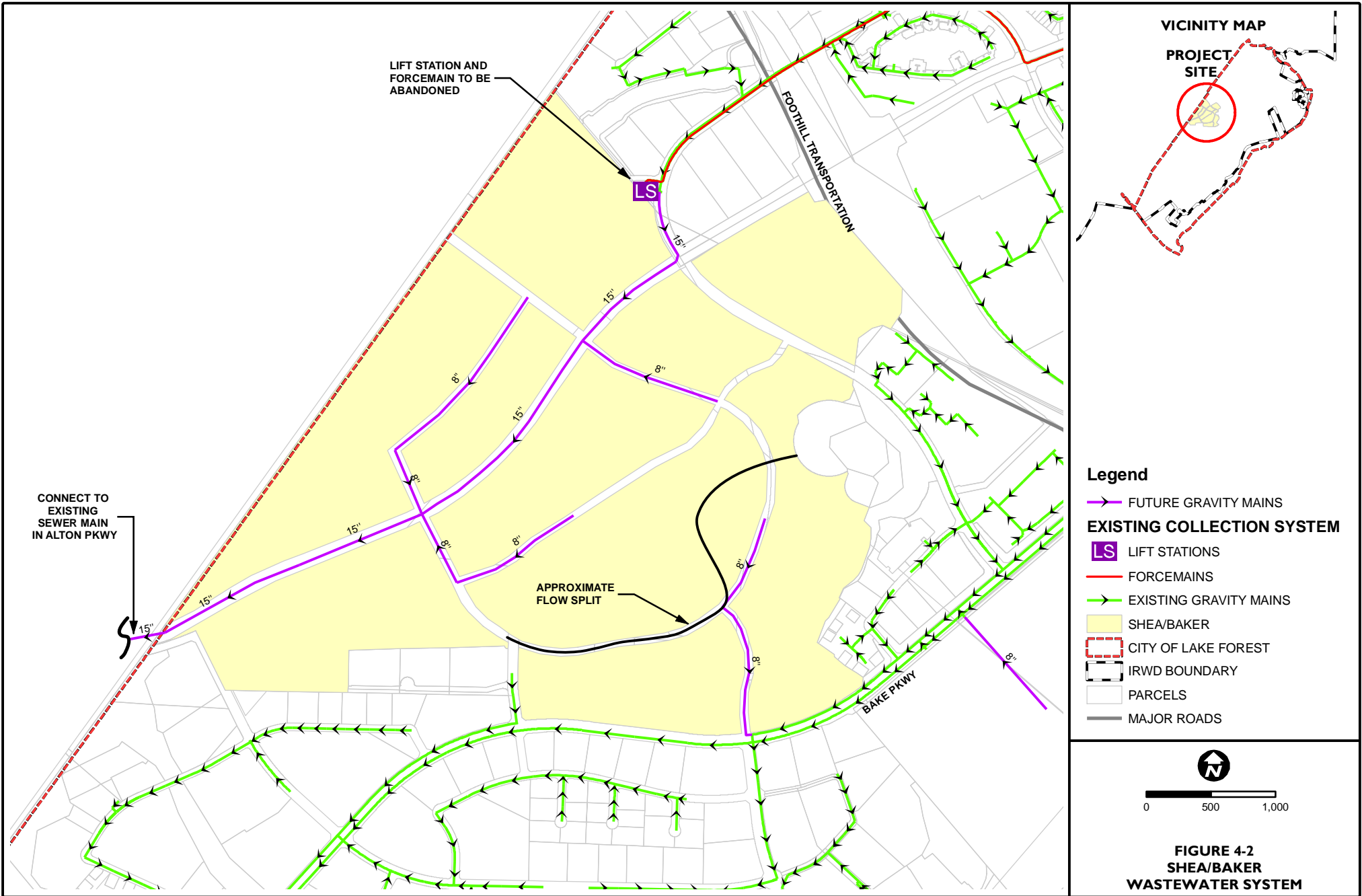


DATE: 8-13-12

1070 ALTON PARKWAY
 IRVINE, CALIFORNIA 92614-3527
 949.734.8888 • FAX 949.734.8882 • WWW.RBF.COM

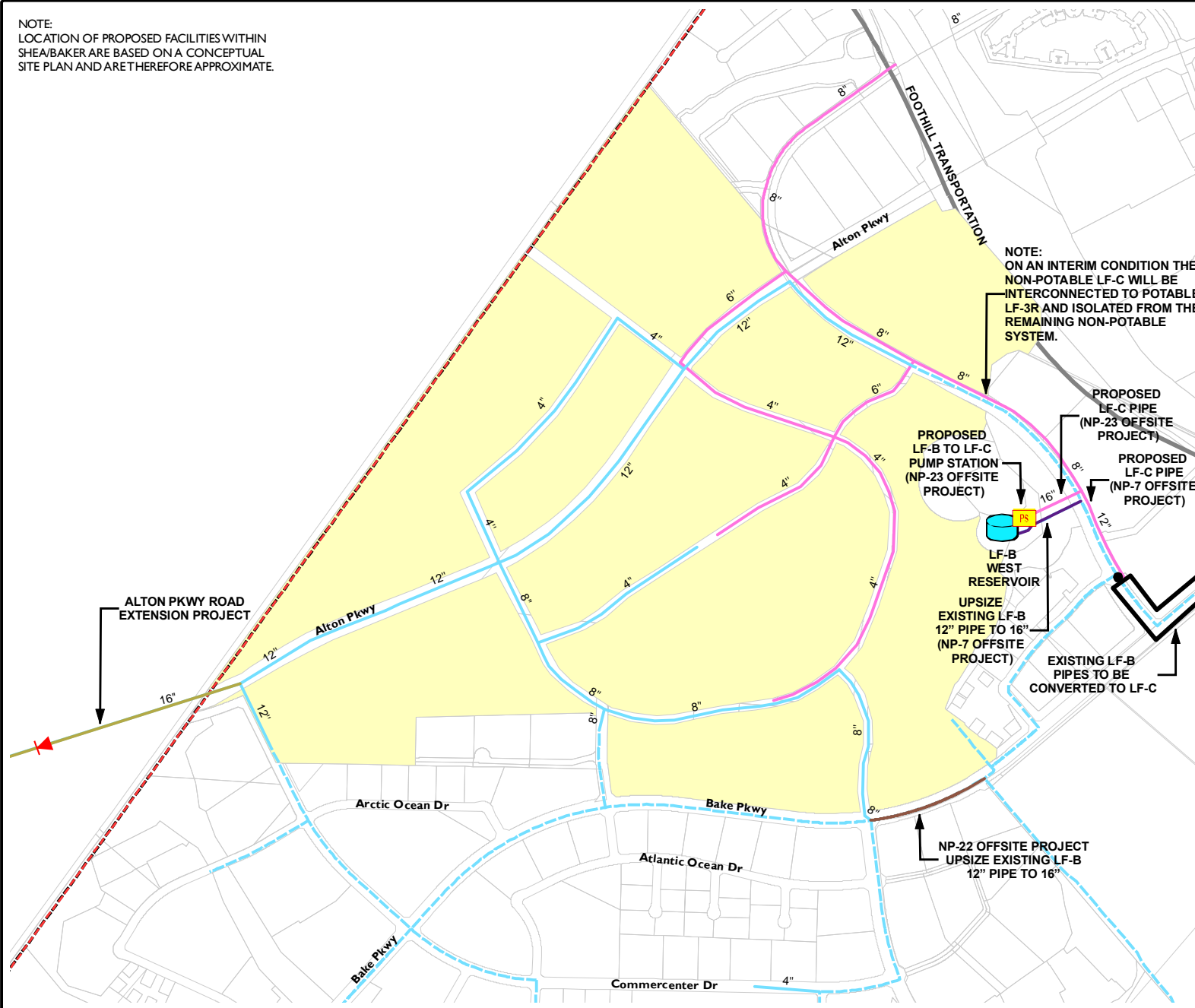
EXHIBIT "B"



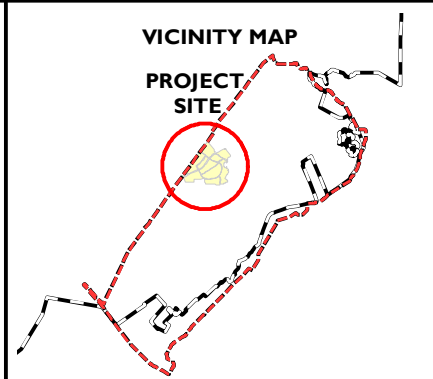


**FIGURE 4-2
SHEA/BAKER
WASTEWATER SYSTEM**

NOTE:
LOCATION OF PROPOSED FACILITIES WITHIN
SHEA/BAKER ARE BASED ON A CONCEPTUAL
SITE PLAN AND ARE THEREFORE APPROXIMATE.



NOTE:
ON AN INTERIM CONDITION THE
NON-POTABLE LF-C WILL BE
INTERCONNECTED TO POTABLE
LF-3R AND ISOLATED FROM THE
REMAINING NON-POTABLE
SYSTEM.



- Legend**
- FUTURE CLOSED VALVES
 - PS PUMP STATIONS
 - RESERVOIRS
- PRESSURE REDUCING STATIONS**
- ◀ EXISTING
 - ▶ PROPOSED
- FUTURE PIPES BY PRESSURE ZONES**
- LF-A (625)
 - LF-B (860)
 - LF-C (955)
 - LF-D (1100)
 - LF-Er (1320)
 - LF-E (1500)
- EXISTING PIPES BY PRESSURE ZONES**
- LF-A (625)
 - LF-B (860)
 - LF-C (955)
- PROJECTS AND BOUNDARIES**
- ALTON PKWY ROAD EXTENSION PROJECT
 - NP-22 OFFSITE PROJECT
 - A PORTION OF NP-7 OFFSITE PROJECT
 - SHEA/BAKER
 - CITY OF LAKE FOREST
 - IRWD BOUNDARY
 - PARCELS
 - MAJOR ROADS



**FIGURE 5-3
SHEA/BAKER
NON-POTABLE WATER SYSTEM**

EXHIBIT "C"

SCHEDULE C 1 - Domestic Water																	
Unit Price/Contract Price Sheet																	
Contract #																	
Baker Ranch Phase 1B Domestic Water Improvements, IRWD Code 5781																	
Tentative Tract 16466, Project Number 11662 (4004)																	
Pay Items																	
Item #	Description	Quantity	Unit	Low Bid		3rd Low Bid		4th Low Bid		5th Low Bid		6th Low Bid		2nd Low Bid		Engineer's Estimate	
				Unit Price	Subtotal	Unit Price	Subtotal	Unit Price	Subtotal	Unit Price	Subtotal	Unit Price	Subtotal	Unit Price	Subtotal	Unit Price	Subtotal
				Kana		Kennedy		Leatherwood		Boudreua		KEC Engineering		Paulus		RBF Estimate	
Capital Improvements Overall																	
1	Mobilization	1	LS	\$ 8,640.00	\$ 8,640.00	\$ 5,760.00	\$ 5,760.00	\$ 12,800.00	\$ 12,800.00	\$ 11,200.00	\$ 11,200.00	\$ 16,000.00	\$ 16,000.00	\$ 11,920.00	\$ 11,920.00	\$ 12,800.00	\$ 12,800.00
2	Construction Water	1	LS	\$ 83.00	\$ 83.00	\$ 2,800.00	\$ 2,800.00	\$ 400.00	\$ 400.00	\$ 4,800.00	\$ 4,800.00	\$ 6,720.00	\$ 6,720.00	\$ 3,337.55	\$ 3,337.55	\$ 1,200.00	\$ 1,200.00
3	SWPPP/NPDES Compliance	1	LS	\$ 430.00	\$ 430.00	\$ 2,800.00	\$ 2,800.00	\$ 400.00	\$ 400.00	\$ 1,360.00	\$ 1,360.00	\$ 7,112.00	\$ 7,112.00	\$ 1,668.78	\$ 1,668.78	\$ 1,200.00	\$ 1,200.00
4	AQMD Compliance	1	LS	\$ 430.00	\$ 430.00	\$ 1,600.00	\$ 1,600.00	\$ 400.00	\$ 400.00	\$ 4,000.00	\$ 4,000.00	\$ 7,112.00	\$ 7,112.00	\$ 834.38	\$ 834.38	\$ 1,200.00	\$ 1,200.00
Subtotal Overall Expenses Capital				\$ 9,583.00	\$ 9,583.00	\$ 12,960.00	\$ 12,960.00	\$ 14,000.00	\$ 14,000.00	\$ 21,360.00	\$ 21,360.00	\$ 36,944.00	\$ 36,944.00	\$ 17,760.71	\$ 17,760.71	\$ 16,400.00	\$ 16,400.00
Capital Improvements: 12" Domestic Water DW - Line D																	
5	Install 12" AWWA C-900 OVC, DR 14, Domestic Water Per IRWD Std. W-17	2,205	LF	\$ 42.00	\$ 92,610.00	\$ 38.00	\$ 83,790.00	\$ 50.00	\$ 110,250.00	\$ 58.00	\$ 127,890.00	\$ 57.00	\$ 125,685.00	\$ 41.95	\$ 92,499.75	\$ 48.00	\$ 105,840.00
6	Remove Temp Flush Out and Join Existing	1	EA	\$ 3,474.00	\$ 3,474.00	\$ 2,600.00	\$ 2,600.00	\$ 4,000.00	\$ 4,000.00	\$ 1,700.00	\$ 1,700.00	\$ 4,400.00	\$ 4,400.00	\$ 1,703.68	\$ 1,703.68	\$ 5,000.00	\$ 5,000.00
7	Install 1" Air Vac and Release	2	EA	\$ 3,102.00	\$ 6,204.00	\$ 5,730.00	\$ 11,460.00	\$ 4,650.00	\$ 9,300.00	\$ 3,600.00	\$ 7,200.00	\$ 6,500.00	\$ 13,000.00	\$ 2,840.99	\$ 5,681.98	\$ 5,000.00	\$ 10,000.00
8	Install 12" 45 Degree DI Bend (PO x PO) & thrust Block per IRWD Std. W-16	2	EA	\$ 747.00	\$ 1,494.00	\$ 440.00	\$ 880.00	\$ 500.00	\$ 1,000.00	\$ 480.00	\$ 960.00	\$ 1,200.00	\$ 2,400.00	\$ 619.84	\$ 1,239.68	\$ 500.00	\$ 1,000.00
9	Install Blow Off per IRWD Std W-14	3	EA	\$ 5,509.00	\$ 16,527.00	\$ 6,955.00	\$ 20,865.00	\$ 9,300.00	\$ 27,900.00	\$ 6,000.00	\$ 18,000.00	\$ 16,000.00	\$ 48,000.00	\$ 5,523.93	\$ 16,571.79	\$ 10,000.00	\$ 30,000.00
10	Install 12" DW Butterfly Valve (FE x RE) & Valve Box per IRWD Std. W-22	3	EA	\$ 2,315.00	\$ 6,945.00	\$ 3,259.00	\$ 9,777.00	\$ 3,150.00	\$ 9,450.00	\$ 2,700.00	\$ 8,100.00	\$ 2,700.00	\$ 8,100.00	\$ 2,486.92	\$ 7,460.76	\$ 3,500.00	\$ 10,500.00
11	Install 90 Degree Bend (FE x FE) and Thrust Block per IRWD Std. W-16	2	EA	\$ 873.00	\$ 1,746.00	\$ 485.00	\$ 970.00	\$ 900.00	\$ 1,800.00	\$ 580.00	\$ 1,160.00	\$ 1,100.00	\$ 2,200.00	\$ 1,397.25	\$ 2,794.50	\$ 1,000.00	\$ 2,000.00
12	Install 12" 90 Degree DI Bend (PO x PO) & Thrust Block per IRWD Std. W-16	1	EA	\$ 848.00	\$ 848.00	\$ 465.00	\$ 465.00	\$ 600.00	\$ 600.00	\$ 580.00	\$ 580.00	\$ 1,360.00	\$ 1,360.00	\$ 1,357.19	\$ 1,357.19	\$ 750.00	\$ 750.00
13	Install FE x PO Adaptor	6	EA	\$ 587.00	\$ 3,522.00	\$ 403.00	\$ 2,418.00	\$ 550.00	\$ 3,300.00	\$ 340.00	\$ 2,040.00	\$ 800.00	\$ 4,800.00	\$ 675.90	\$ 4,055.40	\$ 600.00	\$ 3,600.00
14	Install Concrete Slope Anchors per IRWD Std. S-8	4	EA	\$ 1,299.00	\$ 5,196.00	\$ 1,100.00	\$ 4,400.00	\$ 900.00	\$ 3,600.00	\$ 930.00	\$ 3,720.00	\$ 1,350.00	\$ 5,400.00	\$ 1,794.55	\$ 7,178.20	\$ 1,000.00	\$ 4,000.00
15	Install 12" 22.5 Degree DI Vertical Bend (PO x PO) & Thrust Block per IRWD Std. W-16	4	EA	\$ 847.00	\$ 3,388.00	\$ 385.00	\$ 1,540.00	\$ 450.00	\$ 1,800.00	\$ 420.00	\$ 1,680.00	\$ 900.00	\$ 3,600.00	\$ 567.12	\$ 2,268.48	\$ 500.00	\$ 2,000.00
16	Install Turf Block per Detail ON Sheet 6	11,616	SF	\$ 13.00	\$ 151,008.00	\$ 14.80	\$ 171,916.80	\$ 15.00	\$ 174,240.00	\$ 16.00	\$ 185,856.00	\$ 14.50	\$ 168,432.00	\$ 12.69	\$ 147,407.04	\$ 15.00	\$ 174,240.00
17	Install 12" x 8" (FE x PO) DI Reducer	1	EA	\$ 952.00	\$ 952.00	\$ 439.00	\$ 439.00	\$ 550.00	\$ 550.00	\$ 700.00	\$ 700.00	\$ 1,250.00	\$ 1,250.00	\$ 675.90	\$ 675.90	\$ 550.00	\$ 550.00
18	Install 12" x 12" x 12" (FE x FE x FE) DI Tee and Thrust Block per IRWD Std. W-16	1	EA	\$ 1,138.00	\$ 1,138.00	\$ 865.00	\$ 865.00	\$ 1,300.00	\$ 1,300.00	\$ 1,500.00	\$ 1,500.00	\$ 2,100.00	\$ 2,100.00	\$ 729.28	\$ 729.28	\$ 1,500.00	\$ 1,500.00
19	Raise Valves to Grade Final	5	EA	\$ 364.00	\$ 1,820.00	\$ 675.00	\$ 3,375.00	\$ 350.00	\$ 1,750.00	\$ 410.00	\$ 2,050.00	\$ 2,120.00	\$ 10,600.00	\$ 307.68	\$ 1,538.40	\$ 500.00	\$ 2,500.00
20	Install Primary Feed PRS with Telemetry & Sump Pump per IRWD Std. W-15, Modified per Detail on Sheet 2. Larger Regulating Valve Shall be 8" and set to 76 psi. Smaller Regulating Valve Shall be 2" and Set to 79 PSI.	1	EA	\$ 103,880.00	\$ 103,880.00	\$ 116,990.00	\$ 116,990.00	\$ 109,000.00	\$ 109,000.00	\$ 111,000.00	\$ 111,000.00	\$ 169,600.00	\$ 169,600.00	\$ 118,000.00	\$ 118,000.00	\$ 150,000.00	\$ 150,000.00
21	Haul Off Spoils	520	CY	\$ 8.00	\$ 4,160.00	\$ 20.00	\$ 10,400.00	\$ 4.00	\$ 2,080.00	\$ 11.00	\$ 5,720.00	\$ 15.00	\$ 7,800.00	\$ 24.91	\$ 12,953.20	\$ 5.00	\$ 2,600.00
Subtotal Domestic Capital Improvements Line D				\$ 404,912.00	\$ 404,912.00	\$ 443,150.80	\$ 443,150.80	\$ 461,920.00	\$ 461,920.00	\$ 479,856.00	\$ 479,856.00	\$ 578,727.00	\$ 578,727.00	\$ 424,115.23	\$ 424,115.23	\$ 506,080.00	\$ 506,080.00

Capital Improvements: 16" Domestic Water Line R																	
26	Install 16" AWWA C-905 PVC, DR-18, Domestic Water Line per IRWD Std. W-17	1620	LF	\$ 58.00	\$ 93,960.00	\$ 65.00	\$ 105,300.00	\$ 65.00	\$ 105,300.00	\$ 76.00	\$ 123,120.00	\$ 73.00	\$ 118,260.00	\$ 58.00	\$ 93,960.00	\$ 70.00	\$ 113,400.00
27	Remove Existing Blind Flange and Join	1	EA	\$ 4,586.00	\$ 4,586.00	\$ 1,000.00	\$ 1,000.00	\$ 3,900.00	\$ 3,900.00	\$ 1,700.00	\$ 1,700.00	\$ 1,500.00	\$ 1,500.00	\$ 3,102.51	\$ 3,102.51	\$ 4,000.00	\$ 4,000.00
28	Install 16" 45 Degree DI Bend (PO x PO) & Thrust Block per IRWD Std. W-16	4	EA	\$ 1,381.00	\$ 5,524.00	\$ 812.00	\$ 3,248.00	\$ 1,700.00	\$ 6,800.00	\$ 1,300.00	\$ 5,200.00	\$ 1,700.00	\$ 6,800.00	\$ 1,804.36	\$ 7,217.44	\$ 2,000.00	\$ 8,000.00
29	Install 16" (FE x PO) Adaptor	7	EA	\$ 1,061.00	\$ 7,427.00	\$ 626.00	\$ 4,382.00	\$ 800.00	\$ 5,600.00	\$ 610.00	\$ 4,270.00	\$ 1,000.00	\$ 7,000.00	\$ 1,901.02	\$ 13,307.14	\$ 1,000.00	\$ 7,000.00
30	Install 16" 11.5 Degree DI Bend (PO x PO) & Thrust Block per IRWD Std. W-16	1	EA	\$ 1,364.00	\$ 1,364.00	\$ 795.00	\$ 795.00	\$ 950.00	\$ 950.00	\$ 1,000.00	\$ 1,000.00	\$ 1,700.00	\$ 1,700.00	\$ 1,762.78	\$ 1,762.78	\$ 1,000.00	\$ 1,000.00
31	Install 16" 22.5 Degree DI Bend (PO x PO) & Thrust Block per IRWD Std. W-16	1	EA	\$ 1,338.00	\$ 1,338.00	\$ 766.00	\$ 766.00	\$ 900.00	\$ 900.00	\$ 960.00	\$ 960.00	\$ 1,700.00	\$ 1,700.00	\$ 1,770.76	\$ 1,770.76	\$ 1,000.00	\$ 1,000.00
32	Install Blow Off per IRWD Std. W-14	1	EA	\$ 5,688.00	\$ 5,688.00	\$ 5,900.00	\$ 5,900.00	\$ 9,400.00	\$ 9,400.00	\$ 6,600.00	\$ 6,600.00	\$ 16,500.00	\$ 16,500.00	\$ 6,890.62	\$ 6,890.62	\$ 9,500.00	\$ 9,500.00
33	Install 16" DW Butterfly Valve (FE x FE) & Valve Box per IRWD Std. W-22	6	EA	\$ 3,561.00	\$ 21,366.00	\$ 4,205.00	\$ 25,230.00	\$ 5,000.00	\$ 30,000.00	\$ 4,300.00	\$ 25,800.00	\$ 3,200.00	\$ 19,200.00	\$ 4,044.19	\$ 24,265.14	\$ 5,000.00	\$ 30,000.00
34	Install 16" DI Tee (FE x FE) & Thrust Block per IRWD Std. W-16	3	EA	\$ 1,756.00	\$ 5,268.00	\$ 1,480.00	\$ 4,440.00	\$ 1,900.00	\$ 5,700.00	\$ 2,500.00	\$ 7,500.00	\$ 3,200.00	\$ 9,600.00	\$ 2,038.65	\$ 6,115.95	\$ 2,000.00	\$ 6,000.00
35	Install 1" Air Vac Release per IRWD Std. W-11	1	EA	\$ 3,155.00	\$ 3,155.00	\$ 2,905.00	\$ 2,905.00	\$ 4,500.00	\$ 4,500.00	\$ 3,600.00	\$ 3,600.00	\$ 6,500.00	\$ 6,500.00	\$ 3,143.91	\$ 3,143.91	\$ 5,000.00	\$ 5,000.00
36	Install 16" 45 Degree DI Bend (FE x PO) & Thrust Block per IRWD Std. W-16	2	EA	\$ 2,006.00	\$ 4,012.00	\$ 815.00	\$ 1,630.00	\$ 1,300.00	\$ 2,600.00	\$ 1,300.00	\$ 2,600.00	\$ 3,000.00	\$ 6,000.00	\$ 2,148.26	\$ 4,296.52	\$ 1,500.00	\$ 3,000.00
37	Install 16" x 12" (FE x FE) Reducer	1	EA	\$ 1,239.00	\$ 1,239.00	\$ 755.00	\$ 755.00	\$ 1,200.00	\$ 1,200.00	\$ 1,100.00	\$ 1,100.00	\$ 1,600.00	\$ 1,600.00	\$ 2,054.13	\$ 2,054.13	\$ 1,250.00	\$ 1,250.00
38	Remove Existing Plug and Join	1	EA	\$ 4,586.00	\$ 4,586.00	\$ 1,000.00	\$ 1,000.00	\$ 3,900.00	\$ 3,900.00	\$ 1,700.00	\$ 1,700.00	\$ 4,500.00	\$ 4,500.00	\$ 3,102.51	\$ 3,102.51	\$ 4,000.00	\$ 4,000.00
39	Raise Valves to Grade	8	EA	\$ 364.00	\$ 2,912.00	\$ 675.00	\$ 5,400.00	\$ 350.00	\$ 2,800.00	\$ 400.00	\$ 3,200.00	\$ 1,900.00	\$ 15,200.00	\$ 307.68	\$ 2,461.44	\$ 350.00	\$ 2,800.00
40	Haul Off Spoils	475	CY	\$ 8.00	\$ 3,800.00	\$ 20.00	\$ 9,500.00	\$ 4.00	\$ 1,900.00	\$ 11.00	\$ 5,225.00	\$ 15.00	\$ 7,125.00	\$ 24.91	\$ 11,832.25	\$ 5.00	\$ 2,375.00
Subtotal Domestic Capital Improvements Line R					\$ 166,225.00		\$ 172,251.00		\$ 185,450.00		\$ 193,575.00		\$ 223,185.00		\$ 185,283.10		\$ 198,325.00
Non Capital Improvements Overall																	
1	Mobilization	1	LS	\$ 2,160.00	\$ 2,160.00	\$ 1,440.00	\$ 1,440.00	\$ 3,200.00	\$ 3,200.00	\$ 2,800.00	\$ 2,800.00	\$ 4,000.00	\$ 4,000.00	\$ 2,980.00	\$ 2,980.00	\$ 3,200.00	\$ 3,200.00
2	Construction Water	1	LS	\$ 25.00	\$ 25.00	\$ 700.00	\$ 700.00	\$ 100.00	\$ 100.00	\$ 1,200.00	\$ 1,200.00	\$ 1,680.00	\$ 1,680.00	\$ 834.39	\$ 834.39	\$ 300.00	\$ 300.00
3	SWPPP/NPDES Compliance	1	LS	\$ 110.00	\$ 110.00	\$ 700.00	\$ 700.00	\$ 100.00	\$ 100.00	\$ 340.00	\$ 340.00	\$ 1,778.00	\$ 1,778.00	\$ 417.19	\$ 417.19	\$ 300.00	\$ 300.00
4	AQMD Compliance	1	LS	\$ 110.00	\$ 110.00	\$ 400.00	\$ 400.00	\$ 100.00	\$ 100.00	\$ 1,000.00	\$ 1,000.00	\$ 1,778.00	\$ 1,778.00	\$ 208.60	\$ 208.60	\$ 300.00	\$ 300.00
Subtotal Overall Expenses Non Capital					\$ 2,405.00		\$ 3,240.00		\$ 3,500.00		\$ 5,340.00		\$ 9,236.00		\$ 4,440.18		\$ 4,100.00
Non Capital Improvements Domestic Water Line D																	
22	Install 8" Domestic Water Line per AWWA C-900 PVC, DR - 14 per IRWD Std. W-17	73	LF	\$ 25.00	\$ 1,825.00	\$ 48.00	\$ 3,504.00	\$ 35.00	\$ 2,555.00	\$ 44.00	\$ 3,212.00	\$ 145.00	\$ 10,585.00	\$ 27.83	\$ 2,031.59	\$ 40.00	\$ 2,920.00
23	Install 8" Domestic Water Gate Valve (FE x FE) & Valve Box per IRWD Std. W-22	2	EA	\$ 1,536.00	\$ 3,072.00	\$ 2,060.00	\$ 4,120.00	\$ 1,500.00	\$ 3,000.00	\$ 1,900.00	\$ 3,800.00	\$ 2,550.00	\$ 5,100.00	\$ 2,010.70	\$ 4,021.40	\$ 1,500.00	\$ 3,000.00
24	Install Non-Residential Fire Hydrant & Valve Box per IRWD Std. W-8	2	EA	\$ 6,517.00	\$ 13,034.00	\$ 6,822.00	\$ 13,644.00	\$ 8,200.00	\$ 16,400.00	\$ 5,500.00	\$ 11,000.00	\$ 12,000.00	\$ 24,000.00	\$ 6,321.13	\$ 12,642.26	\$ 9,500.00	\$ 19,000.00
25	Raise Valves	2	EA	\$ 364.00	\$ 728.00	\$ 675.00	\$ 1,350.00	\$ 400.00	\$ 800.00	\$ 410.00	\$ 820.00	\$ 1,900.00	\$ 3,800.00	\$ 307.68	\$ 615.36	\$ 500.00	\$ 1,000.00
Subtotal Domestic Non-Capital Line D					\$ 18,659.00		\$ 22,618.00		\$ 22,755.00		\$ 18,832.00		\$ 43,485.00	1762.78	\$ 19,310.61		\$ 25,920.00
Non Capital Improvements Domestic Line R																	
41	Install 8" Gate Valve (FE x FE) & Thrust Block per IRWD Std. W-22	3	EA	\$ 1,536.00	\$ 4,608.00	\$ 2,060.00	\$ 6,180.00	\$ 1,500.00	\$ 4,500.00	\$ 1,900.00	\$ 5,700.00	\$ 2,700.00	\$ 8,100.00	\$ 2,010.70	\$ 6,032.10	\$ 2,500.00	\$ 7,500.00
42	Install 8" FE x PO Adaptor	2	EA	\$ 342.00	\$ 684.00	\$ 255.00	\$ 510.00	\$ 400.00	\$ 800.00	\$ 195.00	\$ 390.00	\$ 450.00	\$ 900.00	\$ 332.02	\$ 664.04	\$ 500.00	\$ 1,000.00
43	Install 8" AWWA C-900 PVC, DR 14, Domestic Water Line per IRWD Std. W-17	155	LF	\$ 25.00	\$ 3,875.00	\$ 42.00	\$ 6,510.00	\$ 30.00	\$ 4,650.00	\$ 48.00	\$ 7,440.00	\$ 75.00	\$ 11,625.00	\$ 27.83	\$ 4,313.65	\$ 40.00	\$ 6,200.00
44	Install 4" AWWA, DR 14 Domestic Water Pipe per IRWD Std. W-17	112	LF	\$ 17.00	\$ 1,904.00	\$ 35.00	\$ 3,920.00	\$ 23.00	\$ 2,576.00	\$ 37.00	\$ 4,144.00	\$ 70.00	\$ 7,840.00	\$ 20.45	\$ 2,290.40	\$ 25.00	\$ 2,800.00
45	Install 8" x 4" FE x PO Reducer	1	EA	\$ 523.00	\$ 523.00	\$ 250.00	\$ 250.00	\$ 500.00	\$ 500.00	\$ 400.00	\$ 400.00	\$ 600.00	\$ 600.00	\$ 362.73	\$ 362.73	\$ 500.00	\$ 500.00
46	Install Temporary Flush Out per IRWD Std. W-12	3	EA	\$ 1,767.00	\$ 5,301.00	\$ 1,100.00	\$ 3,300.00	\$ 1,000.00	\$ 3,000.00	\$ 1,800.00	\$ 5,400.00	\$ 5,000.00	\$ 15,000.00	\$ 1,320.55	\$ 3,961.65	\$ 1,000.00	\$ 3,000.00
47	Install Non Residential Fire Hydrant and Valve box per IRWD Std. W-8	3	EA	\$ 5,963.00	\$ 17,889.00	\$ 6,822.00	\$ 20,466.00	\$ 6,500.00	\$ 19,500.00	\$ 5,800.00	\$ 17,400.00	\$ 14,000.00	\$ 42,000.00	\$ 6,321.13	\$ 18,963.39	\$ 7,500.00	\$ 22,500.00
48	Install 8" 45 Degree DI Bend (PO x PO) & Thrust Block per IRWD Std. W-16	2	EA	\$ 439.00	\$ 878.00	\$ 175.00	\$ 350.00	\$ 350.00	\$ 700.00	\$ 300.00	\$ 600.00	\$ 1,000.00	\$ 2,000.00	\$ 332.02	\$ 664.04	\$ 500.00	\$ 1,000.00
49	Raise Valves to Grade	6	EA	\$ 364.00	\$ 2,184.00	\$ 675.00	\$ 4,050.00	\$ 350.00	\$ 2,100.00	\$ 400.00	\$ 2,400.00	\$ 1,900.00	\$ 11,400.00	\$ 307.68	\$ 1,846.08	\$ 500.00	\$ 3,000.00
50	Haul Off Spoils	50	CY	\$ 8.00	\$ 400.00	\$ 20.00	\$ 1,000.00	\$ 4.00	\$ 200.00	\$ 11.00	\$ 550.00	\$ 18.00	\$ 900.00	\$ 24.91	\$ 1,245.50	\$ 5.00	\$ 250.00
Subtotal Non Capital Improvements Domestic Line R					\$ 38,246.00		\$ 46,536.00		\$ 38,526.00		\$ 44,424.00		\$ 100,365.00		\$ 40,343.58		\$ 47,750.00

Non - Capital Improvements: 12" Domestic Water Line A1																	
51	Install 8" AWWA C-900 PVC, DR 14, Domestic Water Pipe per IRWD Std. W-17	1497	LF	\$ 25.00	\$ 37,425.00	\$ 36.00	\$ 53,892.00	\$ 30.00	\$ 44,910.00	\$ 44.00	\$ 65,868.00	\$ 43.00	\$ 64,371.00	\$ 27.00	\$ 40,419.00	\$ 40.00	\$ 59,880.00
52	Remove Existing Blind Flange and Join	1	EA	\$ 2,966.00	\$ 2,966.00	\$ 2,600.00	\$ 2,600.00	\$ 2,900.00	\$ 2,900.00	\$ 1,700.00	\$ 1,700.00	\$ 900.00	\$ 900.00	\$ 3,102.51	\$ 3,102.51	\$ 3,000.00	\$ 3,000.00
53	Install 8" (FE x PO) Adaptor	5	EA	\$ 342.00	\$ 1,710.00	\$ 255.00	\$ 1,275.00	\$ 250.00	\$ 1,250.00	\$ 195.00	\$ 975.00	\$ 675.00	\$ 3,375.00	\$ 362.73	\$ 1,813.65	\$ 250.00	\$ 1,250.00
54	Install Non Residential Fire Hydrant and Valve box per IRWD Std. W-8	3	EA	\$ 5,363.00	\$ 16,089.00	\$ 6,822.00	\$ 20,466.00	\$ 6,500.00	\$ 19,500.00	\$ 5,800.00	\$ 17,400.00	\$ 13,000.00	\$ 39,000.00	\$ 6,321.13	\$ 18,963.39	\$ 7,500.00	\$ 22,500.00
55	Install Temp Flush Out per IRWD Std. W-12	3	EA	\$ 1,961.00	\$ 5,883.00	\$ 1,100.00	\$ 3,300.00	\$ 1,000.00	\$ 3,000.00	\$ 1,800.00	\$ 5,400.00	\$ 5,000.00	\$ 15,000.00	\$ 1,320.55	\$ 3,961.65	\$ 1,000.00	\$ 3,000.00
56	Install 8" DW Gate Valve (FE x FE) & Valve Box per IRWD Std. W-22	5	EA	\$ 1,536.00	\$ 7,680.00	\$ 2,060.00	\$ 10,300.00	\$ 1,500.00	\$ 7,500.00	\$ 1,900.00	\$ 9,500.00	\$ 2,500.00	\$ 12,500.00	\$ 2,010.70	\$ 10,053.50	\$ 2,000.00	\$ 10,000.00
57	Install 8" x 8" DI Cross (FE x FE) & Thrust Block per IRWD Std. W-16	1	EA	\$ 676.00	\$ 676.00	\$ 480.00	\$ 480.00	\$ 1,300.00	\$ 1,300.00	\$ 1,340.00	\$ 1,340.00	\$ 2,400.00	\$ 2,400.00	\$ 571.32	\$ 571.32	\$ 1,500.00	\$ 1,500.00
58	Install 8" 90 Degree DI Bend (PO x PO) & Thrust Block per IRWD Std. W-16	1	EA	\$ 1,528.00	\$ 1,528.00	\$ 215.00	\$ 215.00	\$ 400.00	\$ 400.00	\$ 370.00	\$ 370.00	\$ 1,000.00	\$ 1,000.00	\$ 332.02	\$ 332.02	\$ 500.00	\$ 500.00
59	Raise Valves to Grade	8	EA	\$ 364.00	\$ 2,912.00	\$ 675.00	\$ 5,400.00	\$ 350.00	\$ 2,800.00	\$ 400.00	\$ 3,200.00	\$ 1,900.00	\$ 15,200.00	\$ 307.68	\$ 2,461.44	\$ 500.00	\$ 4,000.00
60	Haul Off Spoils	480	CY	\$ 8.00	\$ 3,840.00	\$ 20.00	\$ 9,600.00	\$ 4.00	\$ 1,920.00	\$ 11.00	\$ 5,280.00	\$ 15.00	\$ 7,200.00	\$ 24.91	\$ 11,956.80	\$ 5.00	\$ 2,400.00
Subtotal Domestic Non-Capital Line A1					\$ 80,709.00		\$ 107,528.00		\$ 85,480.00		\$ 111,033.00		\$ 160,946.00		\$ 93,635.28		\$ 108,030.00
Total all Capital Improvements					\$ 580,720.00		\$ 628,361.80		\$ 661,370.00		\$ 694,791.00		\$ 838,856.00		\$ 627,159.04		\$ 720,805.00
Total all Non Capital Improvements					\$ 140,019.00		\$ 179,922.00		\$ 150,261.00		\$ 179,629.00		\$ 314,032.00		\$ 157,729.65		\$ 185,800.00
Grand Total Bid					\$ 720,739.00		\$ 808,283.80		\$ 811,631.00		\$ 874,420.00		\$ 1,152,888.00		\$ 784,888.69		\$ 906,605.00

SCHEDULE C 2 - Recycled Water	
Unit Price/Contract Price Sheet	
Contract #	
Baker Ranch Phase 1B Domestic Water Improvements, IRWD Code 5781	
Tentative Tract 16466, Project Number 31662 (4005)	
Pay Items	

Item #	Description	Quantity	Unit	Kana		Kennedy		Leatherwood		Boudreau		KEC Engineering		Paulus		RBF Estimate	
				Unit Price	Subtotal	Unit Price	Subtotal	Unit Price	Subtotal	Unit Price	Subtotal	Unit Price	Subtotal	Unit Price	Subtotal	Unit Price	Subtotal
Capital Improvements Overall																	
1	Mobilization	1	LS	\$ 7,560.00	\$ 7,560.00	\$ 5,040.00	\$ 5,040.00	\$ 4,550.00	\$ 4,550.00	\$ 3,500.00	\$ 3,500.00	\$ 7,000.00	\$ 7,000.00	\$ 3,920.00	\$ 3,920.00	\$ 7,500.00	\$ 7,500.00
2	Construction Water	1	LS	\$ 75.00	\$ 75.00	\$ 2,450.00	\$ 2,450.00	\$ 350.00	\$ 350.00	\$ 4,200.00	\$ 4,200.00	\$ 4,550.00	\$ 4,550.00	\$ 3,500.00	\$ 3,500.00	\$ 1,500.00	\$ 1,500.00
3	SWPPP/NPDES Compliance	1	LS	\$ 375.00	\$ 375.00	\$ 2,450.00	\$ 2,450.00	\$ 350.00	\$ 350.00	\$ 1,190.00	\$ 1,190.00	\$ 3,360.00	\$ 3,360.00	\$ 1,460.00	\$ 1,460.00	\$ 1,500.00	\$ 1,500.00
4	AQMD Compliance	1	LS	\$ 375.00	\$ 375.00	\$ 1,400.00	\$ 1,400.00	\$ 350.00	\$ 350.00	\$ 3,500.00	\$ 3,500.00	\$ 3,360.00	\$ 3,360.00	\$ 730.00	\$ 730.00	\$ 1,500.00	\$ 1,500.00
Subtotal Overall Expenses Capital				\$ 8,385.00		\$ 11,340.00		\$ 5,600.00		\$ 12,390.00		\$ 18,270.00		\$ 9,610.00		\$ 12,000.00	

Capital Improvements Recycled Water Line R1																	
5	Install 12" AWWA C-900 PVC, DR 14, Purple Pipe per IRWD Std. W-17	1,495	LF	\$ 41.00	\$ 61,295.00	\$ 42.00	\$ 62,790.00	\$ 49.00	\$ 73,255.00	\$ 58.00	\$ 86,710.00	\$ 68.00	\$ 101,660.00	\$ 48.00	\$ 71,760.00	\$ 55.00	\$ 82,225.00
6	Remove Existing Flush Out and Join	1	EA	\$ 3,474.00	\$ 3,474.00	\$ 2,600.00	\$ 2,600.00	\$ 4,400.00	\$ 4,400.00	\$ 1,700.00	\$ 1,700.00	\$ 2,400.00	\$ 2,400.00	\$ 1,703.68	\$ 1,703.68	\$ 5,000.00	\$ 5,000.00
7	Install Blow-Off per IRWD Std. W-14	1	EA	\$ 5,661.00	\$ 5,661.00	\$ 6,955.00	\$ 6,955.00	\$ 9,400.00	\$ 9,400.00	\$ 6,000.00	\$ 6,000.00	\$ 17,500.00	\$ 17,500.00	\$ 5,773.00	\$ 5,773.00	\$ 10,000.00	\$ 10,000.00
8	Install 1" Air Vac and Release per IRWD Std. W-11	1	EA	\$ 3,102.00	\$ 3,102.00	\$ 5,730.00	\$ 5,730.00	\$ 4,500.00	\$ 4,500.00	\$ 3,600.00	\$ 3,600.00	\$ 6,400.00	\$ 6,400.00	\$ 2,836.00	\$ 2,836.00	\$ 4,500.00	\$ 4,500.00
9	Install 12" RW Butterfly Valve (FE x FE) & Valve Box per IRWD Std. W-22	1	EA	\$ 2,315.00	\$ 2,315.00	\$ 3,259.00	\$ 3,259.00	\$ 3,700.00	\$ 3,700.00	\$ 2,700.00	\$ 2,700.00	\$ 2,600.00	\$ 2,600.00	\$ 2,213.02	\$ 2,213.02	\$ 4,000.00	\$ 4,000.00
10	Install 12" FE x PO Adaptor	2	EA	\$ 587.00	\$ 1,174.00	\$ 325.00	\$ 650.00	\$ 600.00	\$ 1,200.00	\$ 340.00	\$ 680.00	\$ 1,000.00	\$ 2,000.00	\$ 691.35	\$ 1,382.70	\$ 750.00	\$ 1,500.00
11	Install 12" DI 11.25 Degree Bend (PO x PO) & Thrust Block per IRWD Std. W-16	2	EA	\$ 694.00	\$ 1,388.00	\$ 290.00	\$ 580.00	\$ 450.00	\$ 900.00	\$ 420.00	\$ 840.00	\$ 1,000.00	\$ 2,000.00	\$ 566.47	\$ 1,132.94	\$ 500.00	\$ 1,000.00
12	Remove Existing Thrust Block and Join	1	EA	\$ 3,474.00	\$ 3,474.00	\$ 2,500.00	\$ 2,500.00	\$ 4,250.00	\$ 4,250.00	\$ 1,700.00	\$ 1,700.00	\$ 2,500.00	\$ 2,500.00	\$ 1,703.68	\$ 1,703.68	\$ 5,000.00	\$ 5,000.00
13	Raise Valves to Grade	3	EA	\$ 364.00	\$ 1,092.00	\$ 675.00	\$ 2,025.00	\$ 350.00	\$ 1,050.00	\$ 400.00	\$ 1,200.00	\$ 900.00	\$ 2,700.00	\$ 307.68	\$ 923.04	\$ 350.00	\$ 1,050.00
14	Haul Off Spoils	350	CY	\$ 8.00	\$ 2,800.00	\$ 20.00	\$ 7,000.00	\$ 4.00	\$ 1,400.00	\$ 11.00	\$ 3,850.00	\$ 20.00	\$ 7,000.00	\$ 24.91	\$ 8,718.50	\$ 5.00	\$ 1,750.00
Subtotal Recycled Capital Improvements Line R1				\$ 85,775.00		\$ 94,089.00		\$ 104,055.00		\$ 108,980.00		\$ 146,760.00		\$ 98,146.56		\$ 116,025.00	

Capital Improvements Recycled Water Line R2																	
15	Install 8" AWWA C-900 PVC, DR 14, Purple Pipe per IRWD Std. W-17	1426	LF	\$ 24.00	\$ 34,224.00	\$ 32.00	\$ 45,632.00	\$ 33.00	\$ 47,058.00	\$ 45.00	\$ 64,170.00	\$ 49.00	\$ 69,874.00	\$ 27.00	\$ 38,502.00	\$ 40.00	\$ 57,040.00
16	Remove Existing Flush Out and Join	1	EA	\$ 2,966.00	\$ 2,966.00	\$ 2,600.00	\$ 2,600.00	\$ 3,250.00	\$ 3,250.00	\$ 1,700.00	\$ 1,700.00	\$ 2,270.00	\$ 2,270.00	\$ 2,789.61	\$ 2,789.61	\$ 5,000.00	\$ 5,000.00
17	Install Blow Off per IRWD Std. W-14	1	EA	\$ 4,951.00	\$ 4,951.00	\$ 4,840.00	\$ 4,840.00	\$ 8,200.00	\$ 8,200.00	\$ 5,800.00	\$ 5,800.00	\$ 17,300.00	\$ 17,300.00	\$ 5,306.10	\$ 5,306.10	\$ 5,000.00	\$ 5,000.00
18	Install 8" RW Gate Valve (FE x FE) & Valve Box per IRWD Std. W-22	3	EA	\$ 1,536.00	\$ 4,608.00	\$ 2,060.00	\$ 6,180.00	\$ 1,500.00	\$ 4,500.00	\$ 1,900.00	\$ 5,700.00	\$ 2,700.00	\$ 8,100.00	\$ 2,010.70	\$ 6,032.10	\$ 1,500.00	\$ 4,500.00
19	Install 8" x 6" DI tee (FE x FE) & Thrust Block per IRWD Std. W-16	1	EA	\$ 560.00	\$ 560.00	\$ 500.00	\$ 500.00	\$ 650.00	\$ 650.00	\$ 510.00	\$ 510.00	\$ 1,300.00	\$ 1,300.00	\$ 641.96	\$ 641.96	\$ 750.00	\$ 750.00
20	Install 8" FE x PO Adaptor	4	EA	\$ 342.00	\$ 1,368.00	\$ 255.00	\$ 1,020.00	\$ 350.00	\$ 1,400.00	\$ 195.00	\$ 780.00	\$ 500.00	\$ 2,000.00	\$ 334.56	\$ 1,338.24	\$ 5,000.00	\$ 20,000.00
21	Install 6" RW Gate Valve (FE x FE) & Valve Box per IRWD Std. W-22	1	EA	\$ 1,101.00	\$ 1,101.00	\$ 1,020.00	\$ 1,020.00	\$ 1,050.00	\$ 1,050.00	\$ 1,300.00	\$ 1,300.00	\$ 3,300.00	\$ 3,300.00	\$ 1,364.71	\$ 1,364.71	\$ 1,250.00	\$ 1,250.00
22	Install 6" FE x PO Adaptor	1	EA	\$ 303.00	\$ 303.00	\$ 125.00	\$ 125.00	\$ 300.00	\$ 300.00	\$ 155.00	\$ 155.00	\$ 500.00	\$ 500.00	\$ 231.44	\$ 231.44	\$ 500.00	\$ 500.00
23	Install 1" Air Vac and Release per IRWD Std. W- 11	1	EA	\$ 2,985.00	\$ 2,985.00	\$ 2,360.00	\$ 2,360.00	\$ 4,300.00	\$ 4,300.00	\$ 3,300.00	\$ 3,300.00	\$ 6,500.00	\$ 6,500.00	\$ 2,687.00	\$ 2,687.00	\$ 4,500.00	\$ 4,500.00
24	Install 8" x 8" DI Tee (FE x FE) & Thrust Block per IRWD Std. W-16	1	EA	\$ 603.00	\$ 603.00	\$ 485.00	\$ 485.00	\$ 700.00	\$ 700.00	\$ 760.00	\$ 760.00	\$ 1,400.00	\$ 1,400.00	\$ 681.29	\$ 681.29	\$ 750.00	\$ 750.00
25	Install Blind Flange	1	EA	\$ 298.00	\$ 298.00	\$ 185.00	\$ 185.00	\$ 250.00	\$ 250.00	\$ 240.00	\$ 240.00	\$ 1,400.00	\$ 1,400.00	\$ 641.96	\$ 641.96	\$ 250.00	\$ 250.00
26	Install 8" Pressure Reducing Backflow Assembly per IRWD Std. W-7	1	EA	\$ 12,797.00	\$ 12,797.00	\$ 10,505.00	\$ 10,505.00	\$ 14,700.00	\$ 14,700.00	\$ 11,300.00	\$ 11,300.00	\$ 146,000.00	\$ 146,000.00	\$ 11,797.55	\$ 11,797.55	\$ 15,000.00	\$ 15,000.00
27	Raise Valves to Grade	6	EA	\$ 364.00	\$ 2,184.00	\$ 675.00	\$ 4,050.00	\$ 350.00	\$ 2,100.00	\$ 400.00	\$ 2,400.00	\$ 2,455.00	\$ 14,730.00	\$ 307.68	\$ 1,846.08	\$ 1,500.00	\$ 9,000.00
28	Haul Off Spoils	120	CY	\$ 8.00	\$ 960.00	\$ 20.00	\$ 2,400.00	\$ 4.00	\$ 480.00	\$ 11.00	\$ 1,320.00	\$ 44.00	\$ 5,280.00	\$ 24.91	\$ 2,989.20	\$ 5.00	\$ 600.00
Subtotal Recycled Capital Improvements Line R2					\$ 69,908.00		\$ 81,902.00		\$ 88,938.00		\$ 99,435.00		\$ 279,954.00		\$ 76,849.24		\$ 124,140.00
Capital Improvements Recycled Water Line P																	
29	Install 6" ASSA c-900 PVC, DR 14, Purple Pipe per IRWD Std. W-17	703	LF	\$ 20.00	\$ 14,060.00	\$ 28.00	\$ 19,684.00	\$ 28.00	\$ 19,684.00	\$ 37.00	\$ 26,011.00	\$ 57.00	\$ 40,071.00	\$ 22.50	\$ 15,817.50	\$ 35.00	\$ 24,605.00
30	Install 6" 22.5 Degree Vertical Bend (PO x PO) & Thrust Block per IRWD Std. W-16	4	EA	\$ 377.00	\$ 1,508.00	\$ 115.00	\$ 460.00	\$ 300.00	\$ 1,200.00	\$ 240.00	\$ 960.00	\$ 775.00	\$ 3,100.00	\$ 221.04	\$ 884.16	\$ 500.00	\$ 2,000.00
31	Install Concrete Slope Anchors per IRWD Std. S-8	4	EA	\$ 1,299.00	\$ 5,196.00	\$ 540.00	\$ 2,160.00	\$ 900.00	\$ 3,600.00	\$ 930.00	\$ 3,720.00	\$ 1,700.00	\$ 6,800.00	\$ 1,794.55	\$ 7,178.20	\$ 1,000.00	\$ 4,000.00
32	Install 1" Air and Vacuum Release per IRWD Std. W-11	1	EA	\$ 2,970.00	\$ 2,970.00	\$ 2,360.00	\$ 2,360.00	\$ 4,250.00	\$ 4,250.00	\$ 3,300.00	\$ 3,300.00	\$ 5,700.00	\$ 5,700.00	\$ 2,668.18	\$ 2,668.18	\$ 5,000.00	\$ 5,000.00
33	Haul Off Spoil	60	CY	\$ 8.00	\$ 480.00	\$ 20.00	\$ 1,200.00	\$ 4.00	\$ 240.00	\$ 11.00	\$ 660.00	\$ 35.00	\$ 2,100.00	\$ 24.91	\$ 1,494.60	\$ 5.00	\$ 300.00
Subtotal Recycled Capital Improvements Line P					\$ 24,214.00		\$ 25,864.00		\$ 28,974.00		\$ 34,651.00		\$ 57,771.00		\$ 28,042.64		\$ 35,905.00
Non Capital Improvements Overall																	
1	Mobilization	1	LS	\$ 3,240.00	\$ 3,240.00	\$ 2,160.00	\$ 2,160.00	\$ 1,950.00	\$ 1,950.00	\$ 1,500.00	\$ 1,500.00	\$ 3,000.00	\$ 3,000.00	\$ 1,680.00	\$ 1,680.00	\$ 2,500.00	\$ 2,500.00
2	Construction Water	1	LS	\$ 33.00	\$ 33.00	\$ 1,050.00	\$ 1,050.00	\$ 150.00	\$ 150.00	\$ 1,800.00	\$ 1,800.00	\$ 1,950.00	\$ 1,950.00	\$ 1,500.00	\$ 1,500.00	\$ 500.00	\$ 500.00
3	SWPPP/NPDES Compliance	1	LS	\$ 165.00	\$ 165.00	\$ 1,050.00	\$ 1,050.00	\$ 150.00	\$ 150.00	\$ 510.00	\$ 510.00	\$ 1,440.00	\$ 1,440.00	\$ 625.97	\$ 625.97	\$ 500.00	\$ 500.00
4	AQMD Compliance	1	LS	\$ 165.00	\$ 165.00	\$ 600.00	\$ 600.00	\$ 150.00	\$ 150.00	\$ 1,500.00	\$ 1,500.00	\$ 1,440.00	\$ 1,440.00	\$ 312.98	\$ 312.98	\$ 500.00	\$ 500.00
Subtotal Overall Expenses Non Capital					\$ 3,603.00		\$ 4,860.00		\$ 2,400.00		\$ 5,310.00		\$ 7,830.00		\$ 4,118.95		\$ 4,000.00

Non Capital Improvements Recycled Water Line R2																	
34	Install 2" Irrigation Service with 2" Meter per IRWD Std. W-2 & W-3	4	EA	\$ 3,508.00	\$ 14,032.00	\$ 2,800.00	\$ 11,200.00	\$ 3,500.00	\$ 14,000.00	\$ 3,600.00	\$ 14,400.00	\$ 6,200.00	\$ 24,800.00	\$ 1,478.30	\$ 5,913.20	\$ 4,000.00	\$ 16,000.00
Subtotal Recycled Non Capital Improvements Line R2				\$ 14,032.00		\$ 11,200.00		\$ 14,000.00		\$ 14,400.00		\$ 24,800.00		\$ 5,913.20		\$ 16,000.00	
Non Capital Improvements Recycled Water Line A2																	
35	Install 4" AWWA C-900 PVC, DR 14, Purple Pipe per IRWD Std. W-17	1929	LF	\$ 16.00	\$ 30,864.00	\$ 22.00	\$ 42,438.00	\$ 20.00	\$ 38,580.00	\$ 33.00	\$ 63,657.00	\$ 27.00	\$ 52,083.00	\$ 22.00	\$ 42,438.00	\$ 30.00	\$ 57,870.00
36	Remove Existing Flush Out and Join	1	EA	\$ 2,742.00	\$ 2,742.00	\$ 2,700.00	\$ 2,700.00	\$ 3,200.00	\$ 3,200.00	\$ 1,700.00	\$ 1,700.00	\$ 4,500.00	\$ 4,500.00	\$ 4,752.87	\$ 4,752.87	\$ 3,500.00	\$ 3,500.00
37	Install 4" 22.5 Degree DI Bend (FE x PO) & Thrust Block per IRWD Std. W-16	1	EA	\$ 324.00	\$ 324.00	\$ 85.00	\$ 85.00	\$ 250.00	\$ 250.00	\$ 180.00	\$ 180.00	\$ 1,000.00	\$ 1,000.00	\$ 194.35	\$ 194.35	\$ 250.00	\$ 250.00
38	Install 4" 22.5 Degree DI Bend (PO x PO) & Thrust Block per IRWD Std. W-16	1	EA	\$ 314.00	\$ 314.00	\$ 80.00	\$ 80.00	\$ 250.00	\$ 250.00	\$ 180.00	\$ 180.00	\$ 1,200.00	\$ 1,200.00	\$ 194.35	\$ 194.35	\$ 250.00	\$ 250.00
39	Install 6" x 4" Reducer (FE x PO)	2	EA	\$ 380.00	\$ 760.00	\$ 145.00	\$ 290.00	\$ 400.00	\$ 800.00	\$ 340.00	\$ 680.00	\$ 560.00	\$ 1,120.00	\$ 318.25	\$ 636.50	\$ 500.00	\$ 1,000.00
40	Install 2" Irrigation Service W/1.5" Meter per IRWD Std. W-2 & W-3	3	EA	\$ 3,508.00	\$ 10,524.00	\$ 2,770.00	\$ 8,310.00	\$ 3,900.00	\$ 11,700.00	\$ 3,300.00	\$ 9,900.00	\$ 7,300.00	\$ 21,900.00	\$ 1,478.30	\$ 4,434.90	\$ 3,500.00	\$ 10,500.00
41	Install 2" Irrigation Service W/2" Meter per IRWD Std. W-2 & W-3	4	EA	\$ 3,508.00	\$ 14,032.00	\$ 2,780.00	\$ 11,120.00	\$ 4,150.00	\$ 16,600.00	\$ 3,600.00	\$ 14,400.00	\$ 7,800.00	\$ 31,200.00	\$ 1,478.30	\$ 5,913.20	\$ 4,250.00	\$ 17,000.00
42	Install 1" Irrigation Service W/1" Meter per IRWD Std. W-1 & W-3	1	EA	\$ 1,824.00	\$ 1,824.00	\$ 2,070.00	\$ 2,070.00	\$ 2,200.00	\$ 2,200.00	\$ 1,900.00	\$ 1,900.00	\$ 6,400.00	\$ 6,400.00	\$ 1,007.32	\$ 1,007.32	\$ 2,500.00	\$ 2,500.00
43	Install 4" 11.25 Degree DI Bend (PO x PO) per IRWD Std. W-16	1	EA	\$ 315.00	\$ 315.00	\$ 113.00	\$ 113.00	\$ 250.00	\$ 250.00	\$ 180.00	\$ 180.00	\$ 1,100.00	\$ 1,100.00	\$ 195.83	\$ 195.83	\$ 250.00	\$ 250.00
44	Install 4" RW Gate Valve (FE x FE) & Vavle Box per IRWD Std. W-22	3	EA	\$ 840.00	\$ 2,520.00	\$ 1,045.00	\$ 3,135.00	\$ 800.00	\$ 2,400.00	\$ 930.00	\$ 2,790.00	\$ 1,600.00	\$ 4,800.00	\$ 1,228.95	\$ 3,686.85	\$ 1,000.00	\$ 3,000.00
45	Install 4" x 4" DI Tee (FE x FE) & Thrust Block per IRWD Std. W-16	1	EA	\$ 401.00	\$ 401.00	\$ 270.00	\$ 270.00	\$ 350.00	\$ 350.00	\$ 420.00	\$ 420.00	\$ 1,700.00	\$ 1,700.00	\$ 444.75	\$ 444.75	\$ 500.00	\$ 500.00
46	Install 4" FE x PO Adapter	2	EA	\$ 219.00	\$ 438.00	\$ 165.00	\$ 330.00	\$ 200.00	\$ 400.00	\$ 116.00	\$ 232.00	\$ 400.00	\$ 800.00	\$ 230.92	\$ 461.84	\$ 250.00	\$ 500.00
47	Install 1" Air Vacuum Release per IRWD Std. W-11	1	EA	\$ 2,955.00	\$ 2,955.00	\$ 1,920.00	\$ 1,920.00	\$ 4,300.00	\$ 4,300.00	\$ 3,300.00	\$ 3,300.00	\$ 5,750.00	\$ 5,750.00	\$ 2,651.21	\$ 2,651.21	\$ 4,500.00	\$ 4,500.00
48	Remove Existing Plug and Join	1	EA	\$ 2,742.00	\$ 2,742.00	\$ 1,500.00	\$ 1,500.00	\$ 2,500.00	\$ 2,500.00	\$ 1,700.00	\$ 1,700.00	\$ 2,300.00	\$ 2,300.00	\$ 1,599.38	\$ 1,599.38	\$ 2,000.00	\$ 2,000.00
49	Raise Valves to Grade	4	EA	\$ 364.00	\$ 1,456.00	\$ 675.00	\$ 2,700.00	\$ 350.00	\$ 1,400.00	\$ 400.00	\$ 1,600.00	\$ 2,600.00	\$ 10,400.00	\$ 307.68	\$ 1,230.72	\$ 500.00	\$ 2,000.00
50	Haul Off Spoil	125	CY	\$ 8.00	\$ 1,000.00	\$ 20.00	\$ 2,500.00	\$ 4.00	\$ 500.00	\$ 11.00	\$ 1,375.00	\$ 42.00	\$ 5,250.00	\$ 24.91	\$ 3,113.75	\$ 5.00	\$ 625.00
Subtotal Recycled Non Capital Improvements Line A2				\$ 73,211.00		\$ 79,561.00		\$ 85,680.00		\$ 104,194.00		\$ 151,503.00		\$ 72,955.82		\$ 106,245.00	
Total all Capital Improvements				\$ 188,282.00		\$ 213,195.00		\$ 227,567.00		\$ 255,456.00		\$ 502,755.00		\$ 212,648.44		\$ 288,070.00	
Total all Non Capital Improvements				\$ 90,846.00		\$ 90,761.00		\$ 99,680.00		\$ 118,594.00		\$ 176,303.00		\$ 78,869.02		\$ 122,245.00	
Grand Total Bid				\$ 279,128.00		\$ 303,956.00		\$ 327,247.00		\$ 374,050.00		\$ 679,058.00		\$ 291,517.46		\$ 410,315.00	
Combined Total all Capital Improvements				\$ 769,002.00		\$ 841,556.80		\$ 888,937.00		\$ 950,247.00		\$ 1,341,611.00		\$ 839,807.48		\$ 1,008,875.00	
Combined Total all Non Capital Improvements				\$ 230,865.00		\$ 270,683.00		\$ 249,941.00		\$ 298,223.00		\$ 490,335.00		\$ 236,598.67		\$ 308,045.00	
Combined Grand Total Bid				\$ 999,867.00		\$ 1,112,239.80		\$ 1,138,878.00		\$ 1,248,470.00		\$ 1,831,946.00		\$ 1,076,406.15		\$ 1,316,920.00	

By: _____ Date: _____

Title: _____

IRVINE RANCH WATER DISTRICT EXHIBIT "D"

Expenditure Authorization

Project Name: BAKER RANCH PHASE 2 DW ZONE 3R & 2
 EPMS Project No: 11662 EA No: 1
 Oracle Project No: 4004
 Project Manager: CORTEZ, MALCOLM
 Project Engineer: LEW, KELLY
 Request Date: July 30, 2013

ID Split: Miscellaneous

Improvement District (ID) Allocations		
ID No.	Allocation %	Source of Funds
135	100.0	CAPITAL FUND
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$811,800
Total EA Requests:	\$811,800
Previously Approved Budget:	\$630,300
Budget Adjustment Requested this EA:	\$181,500
Updated Budget:	\$811,800
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	35,000	0	35,000	0	35,000	35,000	8/12	12/12
ENGINEERING DESIGN - OUTSIDE	0	0	0	(40,000)	40,000	0	8/12	12/12
DESIGN STAFF FIELD SUPPORT	10,000	0	10,000	0	10,000	10,000	8/12	12/12
ENGINEERING - CA&I IRWD	40,000	0	40,000	0	40,000	40,000	3/13	3/14
ENGINEERING - CA&I OUTSIDE	40,000	0	40,000	5,000	35,000	40,000	3/13	3/14
CONSTRUCTION FIELD SUPPORT	10,000	0	10,000	0	10,000	10,000	3/13	3/14
CONSTRUCTION	600,000	0	600,000	200,000	400,000	600,000	3/13	3/14
LEGAL	3,000	0	3,000	0	3,000	3,000	8/12	3/14
Contingency - 10.00% Subtotal	\$73,800	\$0	\$73,800	\$16,500	\$57,300	\$73,800		
Subtotal (Direct Costs)	\$811,800	\$0	\$811,800	\$181,500	\$630,300	\$811,800		
Estimated G/A - 170.00% of direct labor*	\$161,500	\$0	\$161,500	\$0	\$161,500	\$161,500		
Total	\$973,300	\$0	\$973,300	\$181,500	\$791,800	\$973,300		
Direct Labor	\$95,000	\$0	\$95,000	\$0	\$95,000	\$95,000		

*EA includes estimated G&A. Actual G&A will be applied based on the current ratio of direct labor to general and administrative costs.

EA Originator:

Kelley Lew

8/5/13

Department Director:

Robin J. Banta

8/5/13

Finance:

[Signature]

8/16/13

Board/General Manager:

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$973,300. This project is further described in the attached staff report and additional documents, if any, which are hereby in ratification of official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.158-1.

D-1

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: BAKER RANCH PHASE 2 RW ZONE B & C
 EPMS Project No: 31662 EA No: 1
 Oracle Project No: 4005
 Project Manager: CORTEZ, MALCOLM
 Project Engineer: LEW, KELLY
 Request Date: July 30, 2013

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
235	100.0	CAPITAL FUND
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$299,200
Total EA Requests:	\$299,200
Previously Approved Budget:	\$260,700
Budget Adjustment Requested this EA:	\$38,500
Updated Budget:	\$299,200
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	15,000	0	15,000	0	15,000	15,000	8/12	12/12
ENGINEERING DESIGN - OUTSIDE	0	0	0	(20,000)	20,000	0	8/12	12/12
DESIGN STAFF FIELD SUPPORT	5,000	0	5,000	0	5,000	5,000	8/12	12/12
ENGINEERING - CA&I IRWD	20,000	0	20,000	0	20,000	20,000	3/13	3/14
ENGINEERING - CA&I OUTSIDE	15,000	0	15,000	0	15,000	15,000	3/13	3/14
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	0	5,000	5,000	3/13	3/14
CONSTRUCTION	210,000	0	210,000	55,000	155,000	210,000	3/13	3/14
LEGAL	2,000	0	2,000	0	2,000	2,000	8/12	3/14
Contingency - 10.00% Subtotal	\$27,200	\$0	\$27,200	\$3,500	\$23,700	\$27,200		
Subtotal (Direct Costs)	\$299,200	\$0	\$299,200	\$38,500	\$260,700	\$299,200		
Estimated G/A - 170.00% of direct labor*	\$76,500	\$0	\$76,500	\$0	\$76,500	\$76,500		
Total	\$375,700	\$0	\$375,700	\$38,500	\$337,200	\$375,700		
Direct Labor	\$45,000	\$0	\$45,000	\$0	\$45,000	\$45,000		

*EA includes estimated G&A. Actual G&A will be applied based on the current ratio of direct labor to general and administrative costs.

EA Originator:

Kelly J. Christ

8/5/13

Department Director:

Kevin L. Burton

8/5/13

Finance:

[Signature]

8/16/13

Board/General Manager:

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$384,000. The above captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporate official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

108
August 26, 2013
Prepared by: M. Klein/R. Mori
Submitted by: K. Burton
Approved by: Paul Cook

ACTION CALENDAR

AUTOMATION SUPPORT CONSULTANT SERVICES

SUMMARY:

For the past two years, staff has successfully utilized various engineering consultants to provide automation support services on multiple capital projects. Based on recently updated workload projections, continued use of automation consultants is necessary. Staff recommends that the Board authorize the General Manager to execute a Professional Services Agreement, in the amount of \$275,310, with Westin Engineering (Westin) for continued automation support services.

BACKGROUND:

The District's automation staff consists of a small group of instrumentation and controls engineers, field technicians, and specialists. This group is responsible for keeping the hardware and software automation systems fully operational on a continuous basis, allowing the District to operate its water and wastewater facilities remotely with minimal after hours support. In addition to the ongoing operation and maintenance of the District's automation systems, this group is also responsible for the design, construction support, and commissioning of the automation systems required for all capital projects. Traditionally, staff in the automation group has been able to support the District's capital projects with in-house personnel and occasional support from consulting firms. Due to the unprecedented number of large and complex capital projects underway for the past several years, staff has increased its use of automation consultants.

Since March 2011, staff has been working with multiple engineering consultants as an extension of staff to support the automation needs of our recent large treatment plant projects. These consultants have primarily consisted of individuals from Arcadis, EI&C Engineering, HDR Engineering, Tetra Tech, and Westin. These consultants, working under the direction and alongside staff, have proven to be successful.

Professional Services Agreement to Westin:

Staff has evaluated the remaining work. As part of that review process, staff identified that the majority of the remaining tasks require highly specialized expertise and experience. Staff also determined that the remaining tasks can be most efficiently completed through the use of a key individual from Westin who has consistently demonstrated the technical proficiency needed to complete the type of specialized work required of the remaining tasks.

Based on the skills and proven track record of this individual, coupled with staff's ongoing need for automation support, staff recommends that a Professional Services Agreement, in the amount of \$275,310, be executed with Westin for continued automation support services through

July 2014. Staff negotiated a combined reduced hourly and expense rate of \$155 per hour with Westin. Westin will provide automation support on the completion of the Water Operations Transdyn Replacement, Los Alisos Telemetry Upgrade, and the Los Alisos Recycled Water Treatment Plant SCADA Server Replacement projects.

FISCAL IMPACTS:

Automation support services will be provided for projects that are included in the FY 2013-14 Capital Budget. The available budgets and existing Expenditure Authorizations for those projects will be used to fund these services.

With the reallocation of the remaining tasks to a single consultant, the remaining budget on the automation support contract with Tetra Tech, in the amount of \$88,020, will not be required.

ENVIRONMENTAL COMPLIANCE:

Activities such as executing agreements for consulting services are exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15061 (b) (3). These types of activities are covered by the general rule that CEQA applies only to projects which have the potential for causing a significant direct effect on the environment or reasonably indirect effect on the environment. In addition, the specific projects identified herein, are subject to CEQA and have either already completed, or are currently undergoing, the CEQA review process.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on August 20, 2013.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH WESTIN ENGINEERING IN THE AMOUNT OF \$275,310.

LIST OF EXHIBITS:

Exhibit "A" – Westin Engineering Proposal

Cover Letter

Mr. David Mazzarella, P.E.
Sr. Electrical and Controls Engineer
Irvine Ranch Water District
15600 Sand Canyon Avenue
Irvine, CA 92618

Subject: Proposal for the Electrical and I&C Engineering Support Services

Dear Mr. Mazzarella:

Westin Engineering is pleased to present our proposal for Electrical and I&C Engineering Support Services.

We understand the engineering services required and will focus on improvement of your SCADA system. The core work performed will be programming and integration services using products from Wonderware, VMWare, and Specter Instruments. Namely, the following development tools will be used: Application Server, Historian, InTouch, Dream Reports, Win911, ESXi, vSphere. All products from Wonderware mentioned do provide access to ArcestrA technology. Whenever technical possibility exists, ArcestrA technology will be used. Work will be authorized by the District in an individual task order format and we will coordinate with the District on scope and schedule of each task order before we start.

In the following, you will find a resume for our primary team member, Uri Papukchiev, and an hourly rate schedule for the next 12 months. The regular billable rate for Uri Papukchiev is \$167 per hour. During the past year, the District negotiated a discounted billable rate of \$150 per hour. This discounted rate remains in effect.

Westin's office has relocated. Travel expenses from the new office in San Marcos to IRWD will be added to Mr. Papukchiev's rate. His regular travel expense is \$70 per round trip. This expense will be discounted to \$50 per day. Given the proposed 10-hour workday, the total billable rate for Uri Papukchiev is \$155 per hour.

There will be 1 hour per month allotted for office administration tasks of the project. This time will be billed at a rate of \$80 per hour.

Reimbursable expenses (expected to be minimal) incurred during any assignment will be billed at our cost plus a factor of ten percent to cover administrative costs.

Our team will be led by our project manager, Mr. Papukchiev, at our San Marcos office. If you have any questions or desire additional information, please feel free to call Mr. Papukchiev via telephone at (760) 672-1746 or via email at uri.papukchiev@we-inc.com.

Thank you and we are looking forward to working with you on coming assignments.

Regards,



Brandon Erndt
Managing Principal Engineer
Westin Engineering, Inc.

Company Background

Westin Engineering, Inc.

Westin helps utility organizations develop comprehensive solutions to retain knowledge, optimize processes, meet compliance requirements, serve customers and improve efficiency.

As a key part of almost every solution, technology is the catalyst for change and the medium for enterprise-wide improvement. However, successful solutions require more than technology. Real solutions demand balanced changes involving people, process, culture and technology. We understand and apply our unparalleled industry knowledge to guide water, wastewater, and other public agencies to practical, sustainable solutions. Here's why our customers trust Westin:

- **Utilities Experience:** Since 1981, in hundreds of major technology projects, Westin has met the unique needs of large and small utilities. In process control, operations, customer service, maintenance and finance, we know where technology fits and how to help you use it effectively.
- **Proven Approach:** Westin develops a partnership with clients to understand their business issues. This forms the foundation for proven methods for planning, system design, software selection, and full implementation.
- **Skilled Staff:** Westin's staff brings unprecedented depth and breadth in the business processes and technology needed to operate effective, efficient organizations. This enables Westin to apply the right technology solution to meet your organization's specific goals.



Company Information

Westin is a 32 year old, employee-owned, specialty-consulting firm incorporated in 1981. Our corporate headquarters is located in Rancho Cordova, near Sacramento. We also maintain California offices in Bakersfield, Fresno, Foster City, Buena Park, and San Marcos, as well as additional offices across the country.

Fact Sheet

Name of Company	Westin Engineering, Inc.
Services to Market	Business and technology-related planning; information and control (SCADA) system selection; system design, implementation, configuration, integration, and ongoing maintenance; asset-management related services.
Type of Entity	Corporation
Officers	Chairman of the Board, Chief Executive Officer, President and Director – Douglas J. Harp CFO, Secretary and Director – Jeff N. Liebig Vice President and Officer – Douglas A. Spiers & Bill Serjeantson
Office Address	100 East San Marcos Blvd., Suite 400, San Marcos, CA 92069
Corporate Address	3100 Zinfandel Drive, Suite 300, Rancho California, CA 95670
Website	www.we-inc.com
Establishment Date/Location	1981. Originally established in San Jose, CA.

Scope of Work

The Scope of this project will focus on improvement of your SCDA System.

The Core work performed will be programming and integration using products from Wonderware, VMWare, and Specter Instruments. Namely, the following development tools will be used:

- Application Server
- Historian
- InTouch
- Dream Reports
- Win911
- ESXI
- vSphere

All products from Wonderware listed above provide access to ArcestrA technology. Whenever technical possibility exists, ArcestrA technology will be used.

Additionally, we will coordinate with the District on scope and schedule of each task order before we start.

Rates and Schedule

**Engineering And Consulting Services
Rate Sheet and Schedule
Valid Thru Westin's July 2014 Accounting Cycle**

Rate Sheet

Code	Engineering Category	Hourly Rates (US\$)
230 •	Uri Papukchiev, P.E.	\$155
170 •	Project Administrator	\$80

Projected Schedule of Work

Months	Days	Hours/Day	Hours/Month	Location
August	M/T/W	10 hours per day Every other Week	60	Client Work Site
September	M/T/W	10 hours per day Every other week	70	Client Work Site
October	M/T/W	Every week	150	Client Work Site
November	M/T/W	Every week	90	Client Work Site
December	M/T/W/T	Every week	180	Client Work Site
January	M/T/W/T	Every week	180	Client Work Site
February	M/T/W/T	Every week	160	Client Work Site
March	M/T/W/T	Every week	180	Client Work Site
April	M/T/W/T	Every week	180	Client Work Site
May	M/T/W/T	Every week	170	Client Work Site
June	M/T/W/T	Every week	170	Client Work Site
July	M/T/W/T	Every week	190	Client Work Site

Projected total cost for this proposals scope of work performed using the rates and schedule above is as follow:

Type of labor	Total Hours	Total Amount
Engineering (Uri Papukchiev)	1770	\$274,350.00
Administrative	12	\$960.00
Total projected cost of labor including travel expenses		\$275,310.00

August 26, 2013

Prepared by: M. Tetterer

Submitted by: G. Heiertz

Approved by: Paul Cook

ACTION CALENDAR

ADOPTION OF THE SOUTH ORANGE COUNTY WATERSHED MANAGEMENT AREA'S UPDATED INTEGRATED REGIONAL WATER MANAGEMENT PLAN

SUMMARY:

In 2010, IRWD became a member of the newly-formed South Orange County Watershed Management Area (SOCWMA) Executive Committee and adopted the 2005 Integrated Regional Water Management Plan (IRWMP). The County of Orange, with input from the SOCWMA member agencies and stakeholders, has updated the IRWMP and is asking each member agency to adopt the updated IRWMP as required by the State of California in its IRWMP guidelines. Staff recommends the Board adopt a resolution adopting the South Orange County Watershed Management Area's Updated Integrated Regional Watershed Management Plan.

BACKGROUND:

SOCWMA first prepared an IRWMP in June 2005 which was adopted, accepted and/or supported by the City Councils and Boards of all agencies participating in the process. In 2010, the County of Orange led an effort to create a cooperative entity similar to the central watershed area's Newport Bay Watershed Executive Committee. This south Orange County cooperative, called the South Orange County Watershed Management Group, has 20 public agency members including the County, 11 cities and eight water agencies, and has its own IRWMP which was first written in 2005. When IRWD joined this new group, it adopted the 2005 version of the IRWMP.

The County, on behalf of SOCWMA, applied for and received planning grant funds from Proposition 84 to update the IRWMP. The County and its consultant have completed the draft IRWMP, having received input from the member agencies as well as stakeholders. The 2013 update is being undertaken to have the IRWMP meet Proposition 84 Guidelines, reflect current conditions, and incorporate new goals, objectives, and projects. Funding to update the Plan has been primarily a Department of Water Resources Proposition 84 Planning Grant with local matching funds. While the IRWMP retains nearly all the original information assembled, it includes enhancements that have been set out in the guidelines including adding Flood Management as a goal and addressing Climate Change and Flood Management as components of the IRWMP.

Over the past year numerous meetings and workshops were held which focused on the update. It has been reviewed by the Management Committee and public stakeholders, and their comments have been addressed. A Stakeholder Workshop was conducted on April 30, 2013, to solicit input from the public. On July 18, 2013, the SOCWMA Executive Committee approved the updated IRWMP.

Action Calendar: Adoption of the South Orange County Watershed Management Area Updated IRWMP

August 26, 2013

Page 2

Two regional Plans that were funded by the Proposition 84 Planning Grant are the Salt and Nutrient Management Plan (SNMP) (lead agency is South Orange County Wastewater Authority) and the Groundwater Management Plan (GWMP); the lead agency is Santa Margarita Water District on behalf of the San Juan Basin Authority. Both of these Plans are going through a separate review and adoption process by the lead agencies. Because the SNMP and GWMP are being funded by the grant, they are considered a deliverable, along with the updated IRWMP, to the Department of Water Resources by September 30, 2013. The draft SNMP and GWMP will be included as appendices to the IRWMP for grant submittal purposes, and once adopted by their respective agencies will be presented to the Executive Committee for consideration of adoption and inclusion in final form. The SNMP review process has not been finalized by the State Water Resources Control Board and the GWMP is scheduled to be adopted by their agencies in October. Language to that effect will be added to the IRWMP.

IRWD applied for \$500,000 of Proposition 84, Round 2 grant funds for the Baker Water Treatment Plant project. That application, which is part of a bigger application package with other projects, is being reviewed by the state. A response from the state is expected later this summer.

Staff recommends the Board adopt a resolution adopting the South Orange County Watershed Management Area's Updated Integrated Regional Watershed Management Plan. The draft resolution is attached as Exhibit "A". The PowerPoint presentation prepared to brief the SOCWMA Executive Committee summarizing the SOCWMA IRWMP Update process is attached as Exhibit "B".

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed at the Water Resources Policy and Communications Committee on August 1, 2013.

RECOMMENDATION:

THAT THE BOARD ADOPT A RESOLUTION ADOPTING THE SOUTH ORANGE COUNTY WATERSHED MANAGEMENT AREA'S UPDATED INTEGRATED REGIONAL WATERSHED MANAGEMENT PLAN.

LIST OF EXHIBITS:

- Exhibit "A" – Draft Resolution Adopting the South Orange County Integrated Regional Watershed Management Plan
- Exhibit "B" – PowerPoint Presentation to SOCWMA Executive Committee

EXHIBIT "A"

Resolution 2013-_____

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE
IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA
ADOPTING THE SOUTH ORANGE COUNTY INTEGRATED
REGIONAL WATER MANAGEMENT PLAN**

WHEREAS, regional planning has become an important function in watersheds throughout California as regional stakeholders work to solve watershed challenges in a more collaborative fashion;

WHEREAS, many stakeholders in south Orange County including the County of Orange, cities and water agencies have worked collaboratively to understand the watershed challenges in their watershed;

WHEREAS, in 2004, those stakeholders in south Orange County formed the South Orange County Integrated Regional Watershed Management Group, prepared an Integrated Regional Watershed Management Plan (IRWMP), applied for and received \$25 million in Prop. 50 grant funds to help implement several projects;

WHEREAS, in September 2009, the California Department of Water Resources, through its "Region Acceptance Process," recognized the south Orange County as a region and the South Orange County Integrated Regional Watershed Management Group as the program administrator for the IRWMP;

WHEREAS, in 2010, Irvine Ranch Water District became a member of the South Orange County Watershed Management Group and adopted the 2005 IRWMP;

WHEREAS, in 2010, the SOCWMG received State Planning Grant funds to update the IRWMP and to include new elements as required by the State;

WHEREAS, there is value in continually improving the IRWMP to reflect new projects and new priorities for the region; and

WHEREAS, Irvine Ranch Water District, which serves a portion of the south Orange County region, views the IRWMP for south Orange County as an important regional planning document for matters commonly addressed in regional watershed management plans and wants to work with the South Orange County Integrated Regional Watershed Management Group to continually improve the IRWMP.

NOW, THEREFORE, the Board of Directors of the Irvine Ranch Water District DOES HEREBY RESOLVE, DETERMINE AND ORDER as follows:

The Irvine Ranch Water District approves the South Orange County Integrated Regional Water Management Plan as the integrated watershed plan for the area referred to by the County of Orange as the South Watershed Management Area.

ADOPTED, SIGNED and APPROVED this ____th day of August, 2013.

President, IRVINE RANCH WATER DISTRICT
and of the Board of Directors thereof

Secretary, IRVINE RANCH WATER DISTRICT
and of the Board of Directors thereof

APPROVED AS TO FORM:
BOWIE, ARNISON, WILES & GIANNONE
Legal Counsel - IRWD

By _____

EXHIBIT "B"

The cover features the Orange County Public Works logo at the top, with the tagline "Our Community, Our Commitment". The title "South Orange County Integrated Regional Water Management Plan Update" is prominently displayed in the center. Below the title, the date "July 1, 2013" is noted. On the left side, there is a vertical strip of six small images showing various water management and public works activities. In the bottom right corner, there is a circular seal of the Orange County Board of Supervisors.

OVERVIEW

- Adoption of Plan
- South OC Integrated Regional Water Management Plan (Plan) History
- Summary of Changes from Adopted 2005 Plan to 2013 Adoption
- 2013 Plan Update Highlights
- Plan Update Process
- Schedule

The map shows the geographical layout of South Orange County, highlighting various water management infrastructure such as canals, reservoirs, and treatment plants. The map is titled "South Orange County Integrated Regional Water Management Plan" and includes the text "FINAL JUNE 2013". A circular seal of the Orange County Board of Supervisors is located in the bottom right corner of the map area.


WHO ADOPTS THE PLAN?

Answer – The Executive Committee

The Executive Committee will have the following duties and powers:

Approve significant amendments of the South Orange County Integrated Regional Water Management Plan and its prioritized list of projects and activities.

Cooperative Agreement for the South Orange County Watershed Management Area, page 3e
Included In Executive Committee Handbook




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WHO ADOPTS THE PLAN? (CONT.)

Answer – All Project Proponents who have or may apply for grant funding. Includes entities participating in multi – partner projects such as the water use efficiency programs led by MWDOC.

Each project proponent named in an IRWM Grant application must adopt the IRWM Plan.

November 2012 Integrated Regional Water Management Proposition 84 and 1E Guidelines, page 30




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WHY ADOPT THE IRWM PLAN?

Answer The governing bodies of each agency that is part of the Regional Water Management Group (our Executive Committee) responsible for the development of the IRWM Plan and have responsibility for implementation of the Plan must formally adopt the IRWM Plan. Each Project proponent named in an IRWM Grant Application must also adopt the IRWM Plan.

November 2012 Integrated Regional Water Management Proposition 84 and 1E Guidelines, page 35



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BENEFITS OF ADOPTING THE IRWM PLAN

- ✓ Increased efficiency and effectiveness for regional projects
- ✓ Enhanced collaboration across agencies and stakeholders
- ✓ Improved responsiveness to regional needs and priorities
- ✓ Provides opportunities to apply for other Proposition 84 grant programs (1E and Storm water) as well as local funding (Measure M2).




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DOES THE PLAN HAVE ANY REGULATORY AUTHORITY?

Answer - No.

The purpose of developing this plan is to identify potential projects intended to improve water quality and supply in order to investigate their feasibility, to engage in long range water planning, to establish priorities among the proposals of member entities and help obtain future funding. The Plan in itself does not commit any resources to implementation of any project nor does its creation constitute a commitment by any member entity to carry out any of the proposed projects.


SOC WMA Executive Committee Handbook, Page 3



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South OC IRWMP History

2013	IRWM Plan Update Adoption
2013	Applied for \$1,708,646 Proposition 84 Round 2 Grant
2011	Awarded \$2,316,780 Proposition 84 Round 1 Grant
2011	SOC WMA Executive Committee Formed
2010	Awarded \$457,416 Proposition 84 Planning Grant
2009	SOC WMA Regional Acceptance Process (RAP)
2008	Tri-County Funding Area Coordination Committee (Tri-FACC)
2007	Awarded \$25M Proposition 50 Grant
2006	Plan Update for Grant Submittal
2005	First IRWM Plan Approved/Adopted by Cities and Water Districts



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2005 PROPOSITION 50 IRWMP REQUIREMENTS


- ✓ Water supply reliability
- ✓ Drinking water quality
- ✓ Protection and Improvement of water quality
- ✓ Threats to groundwater resources from overdraft
- ✓ Resources stewardship
- ✓ Protection of groundwater from contamination
- ✓ Water-related needs of disadvantaged communities
- ✓ DACs
- ✓ California Water Plan (CWP) Resource Management Strategies
- ✓ Objectives of Basin Plan
- ✓ Measurable objectives
- ✓ ID and consider needs of DAC
- ✓ Consideration of greenhouse gas (GHG) emissions
- ✓ Evaluation of adaptability to climate change, etc.



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PROPOSITION 50 VS. 84 REQUIREMENTS

Proposition 50	Proposition 84
Regions self defined	Regions coincide with funding areas and participate in Regional Acceptance Process
State wide competition for funding	Regional funding area competition for funding
\$25 M funding per grant	Funding distributed to funding area in 3 rounds
Focus - water quality, water supply, water conservation and habitat restoration	Focus – same as Proposition 50 with integrated flood management added




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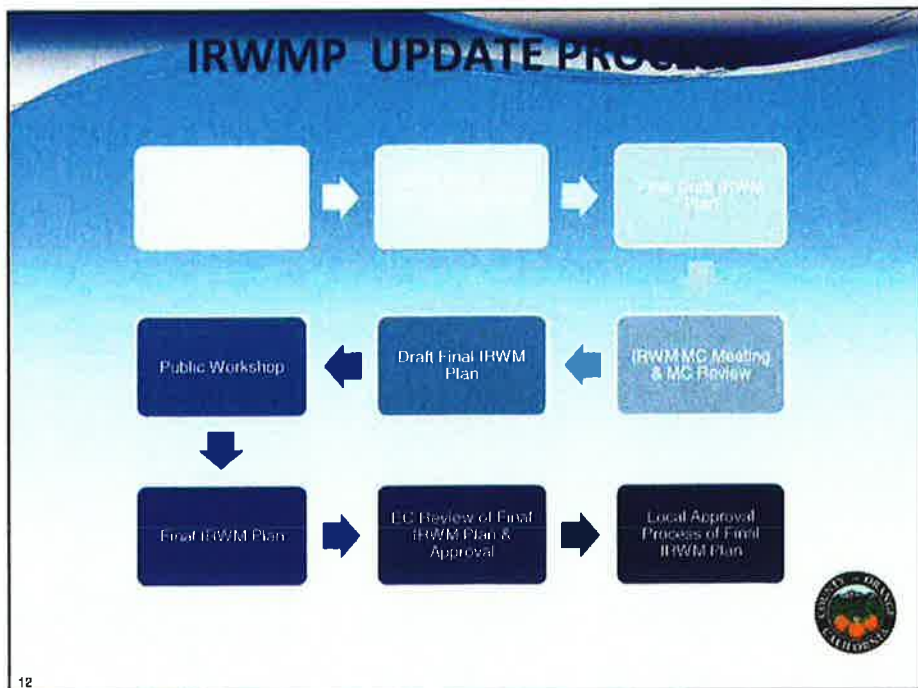
NEW IRWMP REQUIREMENTS FOR PROPOSITION 84

Additions/Edits	IRWMP Page Number
Climate Change Analysis	12-1
Salt and Nutrient Management Plan*	13-1, Appendix G (SOCWA Review Process)
Flood Management and Plan	4-15 to 4-18, Appendix H
Groundwater Management and Facility Plan*	Appendix I (SJBA Review Process)
Governance	2-1
Projects and Project Review Process	6-1 to 6-6, Appendix F
Relation to Local Land Use Planning	10-9
Description of Region	3-1
Objectives and Statewide Priorities	4-1 to 4-8
Resource Management Strategies	5-1 to 5-5

* Planning Grant Requirement




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WHY ARE SOME OF THE APPENDICES NOT COMPLETE?


A – The Salt and Nutrient Management Plan (SNMP), led by SOCWA and Groundwater Management Plan (GMP), led by SJBA received Proposition 84 Planning Grant funding, and as a condition must be included in the Plan. Because they are being developed by agency’s with specific expertise they are undergoing a separate review process. Completed Plans will be incorporated into the final Integrated Regional Water Management Plan as Appendices and will be submitted to the California Department of Water Resources as a Planning Grant requirement prior to the September 30, 2013 deadline.



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PLAN REVIEW AND ADOPTION SCHEDULE

Task Name	Start	Finish
IRWMP Update	6/25/12	9/30/13
Prepare Draft IRWM	12/14/12	2/22/13
IRWM Management Committee Review	2/25/13	3/22/13
Public Review	4/15/13	5/03/13
Public Workshop (during review)	4/30/13	4/30/13
Prepare Draft Final IRWM (Incl. Flood Protection and Climate Change)	5/06/13	5/17/13
IRWM Management Committee Review	5/20/13	5/31/13
Prepare Final IRWM (Incl. Groundwater, Salt-Nutrient Plans)	6/03/13	6/14/13
Executive Committee review of Final IRWM	6/17/13	6/28/13
Executive Committee meeting: presentations on Salt and Nutrient Management Plan and Groundwater Management Plan; and adopt IRWMP	07/18/13	07/18/13
SOCWMA Member Agency Approval	8/05/13	9/20/13
Adopted 2013 IRWMP (Incl. Groundwater, Salt-Nutrient Plans) Due to State - 9/30/13	9/30/13	9/30/13



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