

Agenda

Sacramento Suburban Water District Facilities and Operations Committee

3701 Marconi Avenue, Suite 100
Sacramento, CA 95821

Friday, December 9, 2016
2:00 p.m.

Public documents relating to any open session item listed on this agenda that are distributed to the Committee members less than 72 hours before the meeting are available for public inspection in the customer service area of the District's Administrative Office at the address listed above.

The public may address the Committee concerning any item of interest. Persons who wish to comment on either agenda or non-agenda items should fill out a Comment Card and give it to the General Manager. The Committee Chair will call for comments at the appropriate time. Comments will be subject to reasonable time limits (3 minutes).

In compliance with the Americans with Disabilities Act, if you have a disability, and you need a disability-related modification or accommodation to participate in this meeting, then please contact Sacramento Suburban Water District Human Resources at (916)679-3972. Requests must be made as early as possible and at least one-full business day before the start of the meeting.

Call to Order

Roll Call

Public Comment

This is an opportunity for the public to comment on non-agenda items within the subject matter jurisdiction of the Committee. Comments are limited to 3 minutes.

Consent Items

The committee will be asked to approve all Consent Items at one time without discussion. Consent Items are expected to be routine and non-controversial. If any member of the Committee, staff or interested person requests that an item be removed from the Consent Items, it will be considered with the action items.

1. Minutes of the September 30, 2016 Facilities and Operations Committee Meeting

Recommendation: Approve subject minutes.

Items for Discussion and Action

2. Water System Master Plan Update
Receive written staff report and update from consultant.

3. Parkland Estates Paving Partnership Agreement with the County of Sacramento
Receive written staff report and direct staff as appropriate.

Adjournment

Upcoming Meetings:

Monday, December 19, 2016, at 6:30 p.m., Regular Board Meeting

I certify that the foregoing agenda for the December 9, 2016, meeting of the Sacramento Suburban Water District Facilities and Operations Committee was posted by December 6, 2016, in a publicly-accessible location at the Sacramento Suburban Water District office, 3701 Marconi Avenue, Suite 100, Sacramento, California, and was made available to the public during normal business hours.

Robert S. Roscoe
General Manager/Secretary
Sacramento Suburban Water District

Minutes

Sacramento Suburban Water District
Facilities and Operations Committee
Friday, September 30, 2016

Call to Order

Director Locke called the meeting to order at 3:01 p.m.

Roll Call

Directors Present: Craig Locke and Neil Schild.

Directors Absent: None.

Staff Present: General Manager Rob Roscoe, Assistant General Manager Dan York, Amy Bullock, Mitch Dion, Dave Jones, Dan Bills, Jim Arenz and David Espinoza.

Public Present: William Eubanks, Melanie Holton, Paul Selsky, Kathy Medley and Steve Medley.

Public Comment

None.

Consent Items

1. Minutes of the September 1, 2016 Facilities and Operations Committee Meeting

Director Locke moved to approve Item 1; Director Schild seconded. The motion passed by unanimous vote.

| | | | |
|---------|-------------------|------------|--|
| AYES: | Locke and Schild. | ABSTAINED: | |
| NOES: | | RECUSED: | |
| ABSENT: | | | |

Items for Discussion and Action

2. Water System Master Plan Update

Mitch Dion (Mr. Dion) introduced the staff report and Melanie Holton (Ms. Holton) with Brown and Caldwell presented the PowerPoint presentation.

Director Schild requested a note showing that the debt repayment goes off in 2034 even though the projection is a 15 year projection ending in 2031.

Director Schild brought to the attention of Ms. Holton that the abbreviation listed as R/R seems to refer to two different things on the same slide. He requested for the slide to spell out Rehab and Rehabilitation or Rehab and Replacement so it's clear.

Director Schild inquired about well 11 and 12, if they are placed side by side and that close to each other.

Ms. Holton stated that the map in the slide is the ultimate vision map to provide an idea of what it will potentially look like in 2031. The map does not show the wells that will be removed.

Director Schild would like some clarification and a note on how many wells on the South Service Area verses the North Service Area and which wells are existing and being used.

Director Locke inquired on the annual cost slide and what generates the spikes in the graph.

Ms. Holton stated that the spikes can be because of assumptions of useful life of the wells and the replacement year. There is heavy rehab and light rehab years and new wells coming in that can generate the spikes in the annual costs.

GM Roscoe stated that it's important for Board Members to know and understand that the District does not have any leak record history from 15 years ago for the former Northridge Water District, prior to the District being formed.

Director Schild stated that the cumulative cost slide needs to have the purple symbol fixed to represent the line on the graph.

Mr. Dion reminded the Committee that McClellan is not included in the information for all the slides and the report.

Mr. Dion introduced Paul Selsky (Mr. Selsky) with Brown and Caldwell to present the remainder of the PowerPoint presentation.

Director Schild inquired if this report was an internal report.

Mr. Selsky stated that this report was in the appendix of the Master Plan and is used for a technical back-up.

Director Schild inquired on the time frame and the schedule to complete the plan.

Ms. Holton stated that in mid-November a draft Master Plan will be presented to District staff and then a final draft will be in the beginning of 2017.

Director Locke inquired about how many elevated tanks the District has active in the system.

Ms. Holton stated that the District has three elevated tanks at McClellan and one at the Walnut facility.

Mr. Eubanks commented that some of the material in the report could be confusing to the general public.

GM Roscoe stated that having a long term plan other than an annual budget is a good rule of practice for the District. The District is tied to groundwater and they should be planning on the need for well head treatment. He further noted that the report is beneficial to the financial community that provides the District bonds.

Director Locke noted that he appreciated the information presented.

3. Master Service Agreement For Main Replacements - Service Line Installation

Dave Jones (Mr. Jones) presented the staff report and introduced Kathy Medley (Mrs. Medley), Program Manager with GM Construction, and Steve Medley (Mr. Medley) President of GM Construction.

Mrs. Medley presented the PowerPoint Presentation.

Director Schild stated that because this is the 5th year of a 5 year contract, it should be put out to bid.

Mr. Eubanks stated that the Board should not approve a bid because it's the lowest bid. He stated that the Board should take into consideration the customer service that GM Construction has provided and excelled at, and feels that the District should continue the contract and to do business with GM Construction. Mr. Eubanks commented that there is no reason to take the contract out to bid. Mr. Eubanks further noted that he personally experienced work performed by GM Construction and was very pleased with the work GM Construction provided.

GM Roscoe added that there were cost savings to the staff and rate payers by continuing the contract with GM Construction, further noting that GM Construction was very familiar with all aspects and standards of the District and regulation, and the District has been very pleased with GM Construction's work history.

Director Locke favored extending the GM contract one year; Director Schild favored re-advertising competitive bids. This item shall be brought in front of the Full Board at the October meeting.

Director Schild left the meeting.

4. McClellan Business Park Reservoir Property

Mr. Dion presented the staff report.

Director Locke suggested that McClellan Business Park should come up with another site for the District to use.

GM Roscoe stated that the first trade of land, 40,000 square feet, was acceptable to the District but this new site appears less favorable.

Director Locke stated that because the new proposed land is so close to the airstrip, the lot may not work for the District.

Director Locke directed staff to continue to work with McClellan for another parcel option and report back to the Committee with any updates.

5. Proposed Changes to County Paving Program

Technical Service Director Mitch Dion presented a brief summary of the staff report, noting that the item would be going before the full Board at an upcoming meeting.

Adjournment

Director Locke adjourned the meeting at 4:33 p.m.

Robert S. Roscoe
General Manager/Secretary
Sacramento Suburban Water District



Facilities and Operations Committee

Agenda Item: 2

Date: December 3, 2016

Subject: Water System Master Plan Update

Staff Contact: Mitchell S. Dion, Technical Services Director

Recommended Committee Action:

Update only, no recommended action.

Discussion:

In 2015, following a qualification based selection process, Brown and Caldwell (B&C) was selected to prepare the District's 2015 Urban Water Management Plan (UWMP) and an update to the District's Water System Master Plan. The most recent water system master plan was completed in 2009. The 2015 UWMP was previously completed and was submitted to the State Department of Water Resources prior to the due date of July 1, 2016. More recent efforts by B&C have focused on completing the Water System Master Plan update.

B&C has now completed an internal review draft of the Water System Master Plan update. The draft document includes a comprehensive assessment and description of the District's ultimate needs (to the year 2031) for water distribution, supply and treatment based on future population growth, land use, proposed water quality regulations, etc. The Master Plan update also includes a recommended 15-year Capital Improvement Program (CIP). It is intended to allow the District to better plan and budget for future facilities projects and capital improvements. The Water System Master Plan update is an important document that will be used by District staff and board members into the future.

During the master planning process, numerous updates and presentations have been provided to the Facilities and Operations (F&O) Committee and to the full Board of Directors. The internal draft Water System Master Plan update is now completed and is currently undergoing review by key District staff. The report is divided up into 13 chapters in addition to several appendices. The report is divided up into the following chapters and appendices:

- Chapter 1 – Introduction
- Chapter 2 – Description of Existing Water System
- Chapter 3 – Water Requirements

Chapter 4 – Water Supplies
Chapter 5 – Asset Management
Chapter 6 – Supply Facilities Analysis
Chapter 7 – Transmission Facilities Analysis
Chapter 8 – Distribution Facilities Analysis
Chapter 9 – Storage Facilities Analysis
Chapter 10 – Special Projects Analysis
Chapter 11 – Hydraulic Modeling (Not Yet Completed)
Chapter 12 – Capital Improvement Plan
Chapter 13 – References

Appendix A – Land Use Categories from General Plans
Appendix B – Long Term Cumulative Costs by CIP Category
Appendix C – New Transmission Mains Cost Calculations
Appendix D – Capital Needs Assessment Escalated Costs

District staff will be providing review comments back to B&C and at that point, a final draft document will be prepared. The final draft version of the Water System Master Plan update will be made available to the F&O Committee, and later to the full Board of Directors, for review and comment. A public review copy will also be available at the Marconi front desk.

A presentation from key B&C staff will be made at the December 9th F&O Committee Meeting.

Fiscal Impact:

The Water System Master Plan report does include a capital needs analysis for a 15-year period from 2017 through 2031. It is intended to be used as a planning tool for future capital improvement program (CIP) budget discussions with the Board. However, the master plan does not represent a financial commitment by the Board, other than those CIP funds already approved and adopted.

Strategic Plan Alignment:

Water Supply – 1.B. Provide for the future needs of the District through prudent planning that will ensure sufficient capacity to serve all customers.

Water Supply – 1.D. Manage the District’s groundwater supply to ensure its quality and quantity.

Customer Service – 3.D. Provide effective customer and community relations by communicating, educating, and providing information on District operations, drinking water issues, water conservation, resource sustainability and environmental stewardship.

The Water System Master Plan update aligns with each of the goals/principles outlined above. It provides a roadmap for the future including a recommended 15-year Capital Improvement Program (CIP). It will also help in managing the District’s groundwater supply and to estimate

the future water supply needs for District's customers. It can also be used as a tool to effectively communicating information to the District's customers on drinking water supply and other relevant planning issues.

December 9, 2016

Water System Master Plan Update

Sacramento Suburban Water District Facilities and Operations Committee Meeting

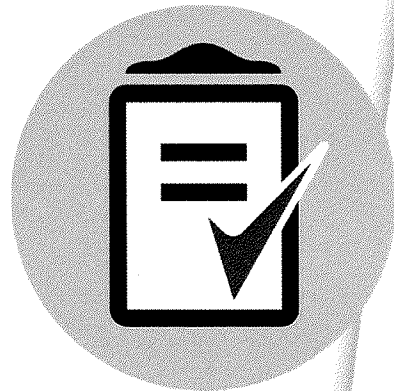
**SACRAMENTO
SUBURBAN
WATER
DISTRICT**

Presented by: Melanie Holton, PE
Paul Selsky, PE

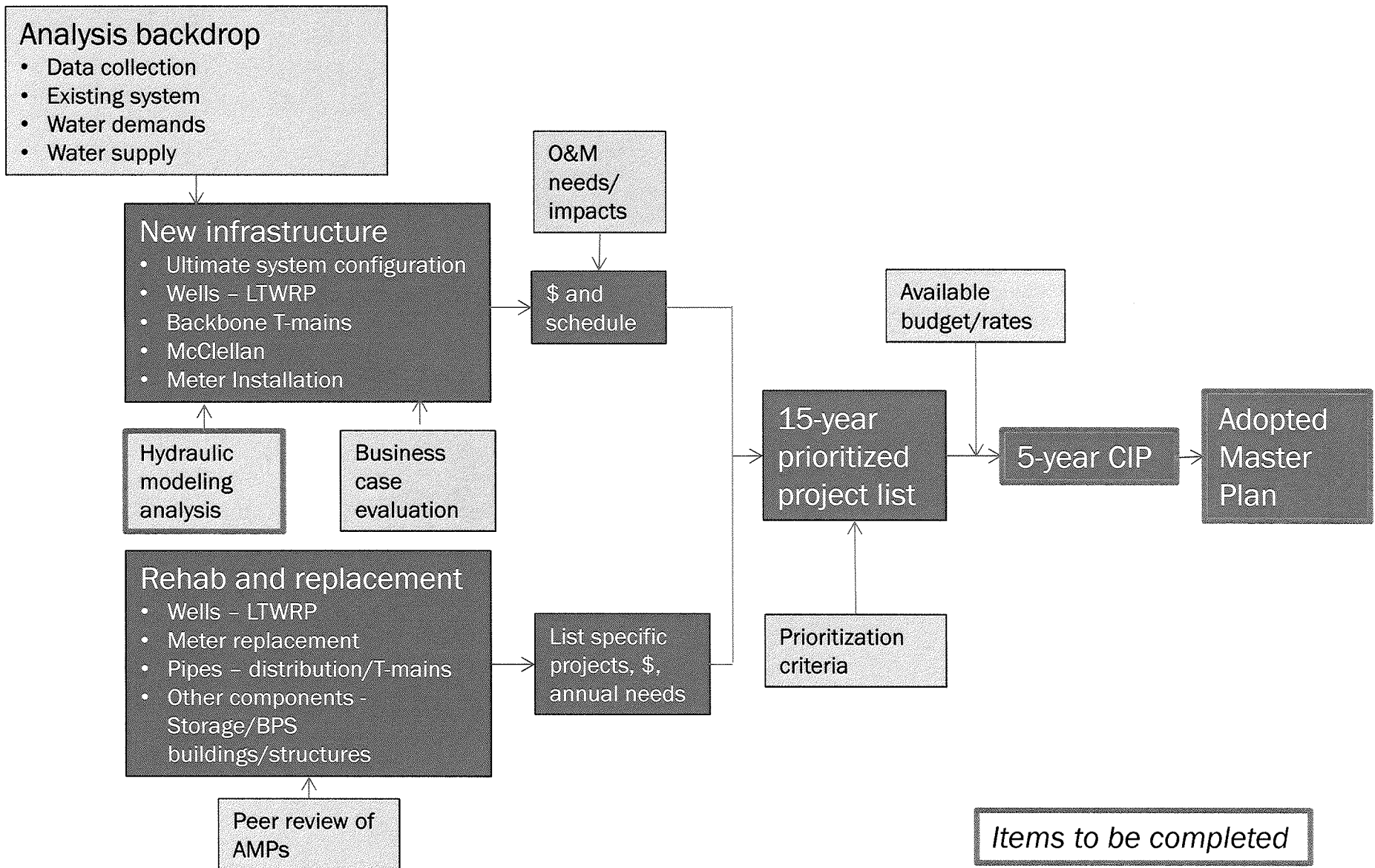
**Brown AND
Caldwell**

Today's Agenda >

1. Project Progress
2. Well Business Case Evaluation
3. Well Investment Decision Tool
4. First Draft Water System Master Plan Document
5. Next Steps



Project Progress

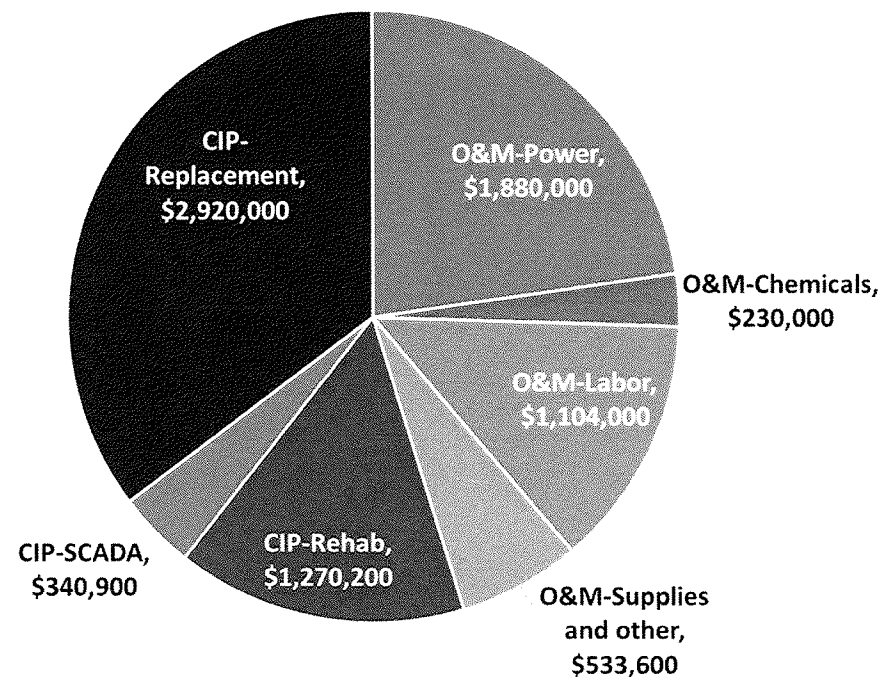


Well Business Case Evaluation

- Objective: Assess the cost benefits of the ultimate vision wellfield
- Two scenarios
 - Scenario 1. Current (status quo) wellfield (73 active wells)
 - Scenario 2. Ultimate vision wellfield (43 wells)
- Develop costs for each scenario
 - Use current budget for actual costs
 - Use well costs in the current Production Department and CIP budgets

Scenario 1. Current (status quo) Wellfield

- 73 active wells
- \$8.3 million/yr annual cost
 - O&M costs (Production Dept.) - \$3.7 million/yr
 - Power
 - Chemicals
 - Labor
 - Supplies and other
 - CIP budget - \$4.5 million/yr
 - Minor/major rehab
 - SCADA repair/replacement
 - Well replacement



Well Field O&M and CIP Annual Cost, \$8.3 million/yr

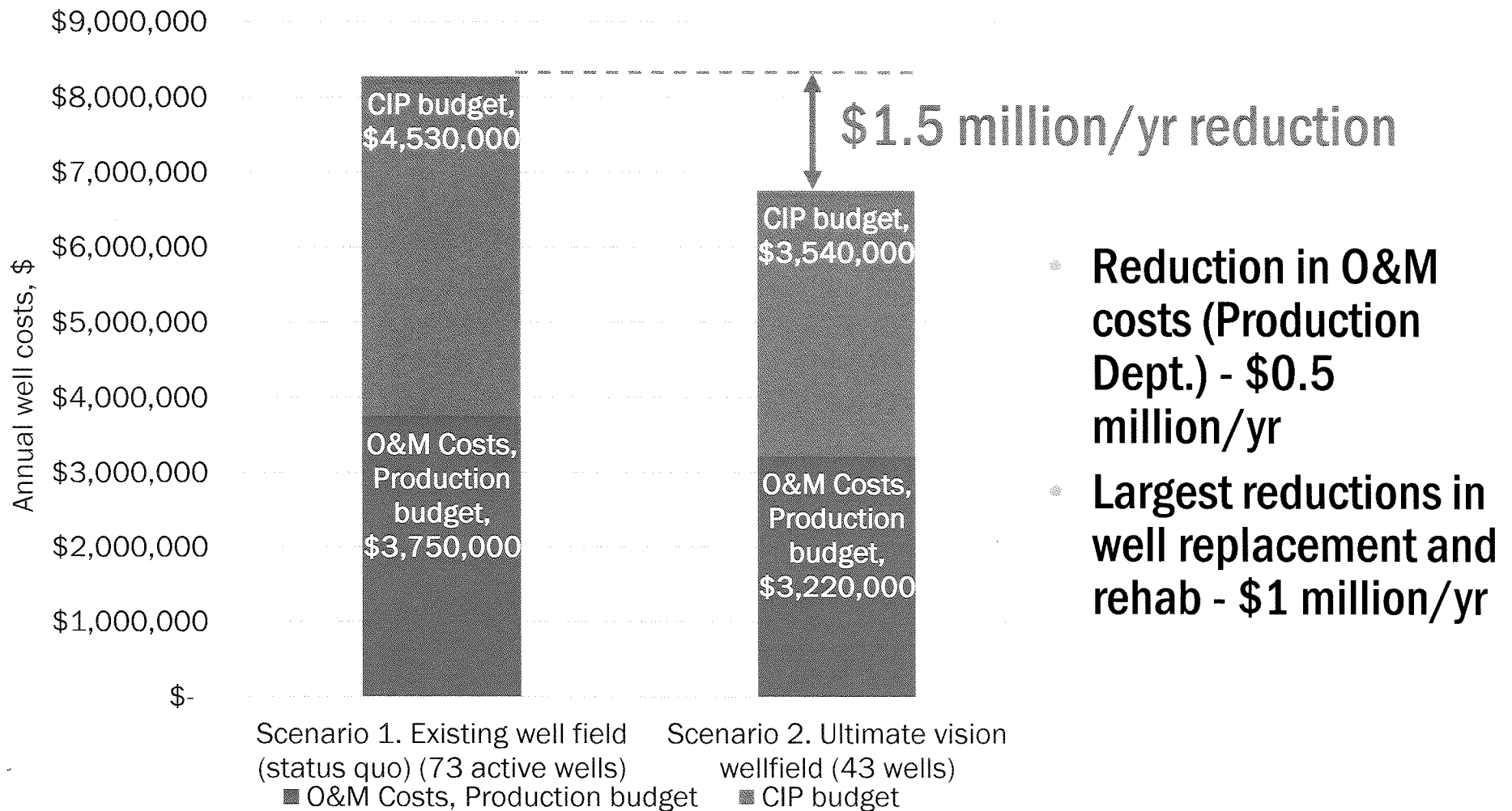
Well Unit Cost Factors are Developed

| Category | Total Annual Cost (73 active wells), \$ million/year | Cost per Well per Year \$/well/yr |
|---|--|--------------------------------------|
| O&M Costs (from Production Dept. budget) | | |
| Labor | \$1.1 | \$12,000 |
| Other costs | \$0.4 | \$4,000 |
| Misc fixed costs | \$0.2 | \$1,800 |
| Chemicals | \$0.2 | -- |
| Power | \$1.9 | -- |
| Subtotal | \$3.7 | \$17,800 |
| Rehabilitation and Replacement (from recommended CIP budget) | | |
| Minor/major rehab | \$1.3 | \$17,400 |
| SCADA repair/replacement | \$0.3 | \$4,300 |
| Well replacement | \$2.9 | \$40,000 |
| Subtotal | \$4.5 | \$61,700 |
| Total | \$8.3 | \$79,500 |

Scenario 2. Ultimate Vision Wellfield

- 43 wells
- Use unit costs from current wellfield cost data
- \$6.8 million annual cost
 - O&M costs (Production Dept.) - \$3.2 million
 - CIP budget - \$3.5 million
 - Minor/major rehab
 - SCADA repair/replacement
 - Well replacement
- 15-year CIP well replacement cannot have consistent annual cost
 - Many wells at or near end of life span
 - Accelerated well replacement needed for next 15 years
- How will the costs change with ultimate vision?
 - Production Department budget decrease - fewer wells to operate and maintain
 - CIP budget decrease - fewer wells to rehabilitate and replace

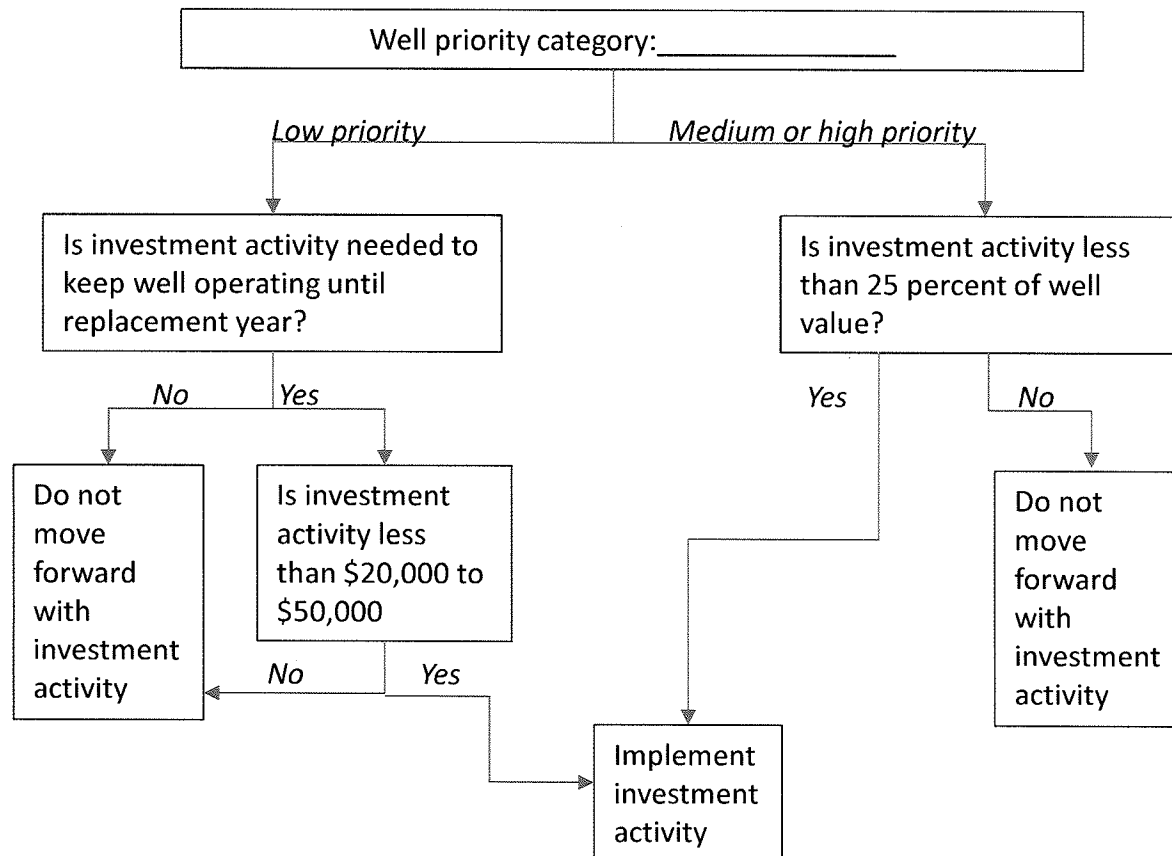
Annual Well Costs Reduced by \$1.5 million/year



Draft/Conceptual Well Investment Decision Tool

- Tool to document and analyze well investment decisions
- Cost driven based on the value of the well
- Utilizes information from District Groundwater Well Asset Management Plan
- Three step process
 - Step 1. Identify Decision to be Made (investment activity): reactive activity (i.e. well repair) or a proactive activity (i.e. planned system maintenance)
 - Step 2. List Facility Facts: Document the well characteristics, potential investment activities, and costs/potential cost range
 - Step 3. Analyze Investment Decision: Follow decision flow chart

Well Investment Decision Tool Flowchart – Analyze Investment Decision (*draft/conceptual*)

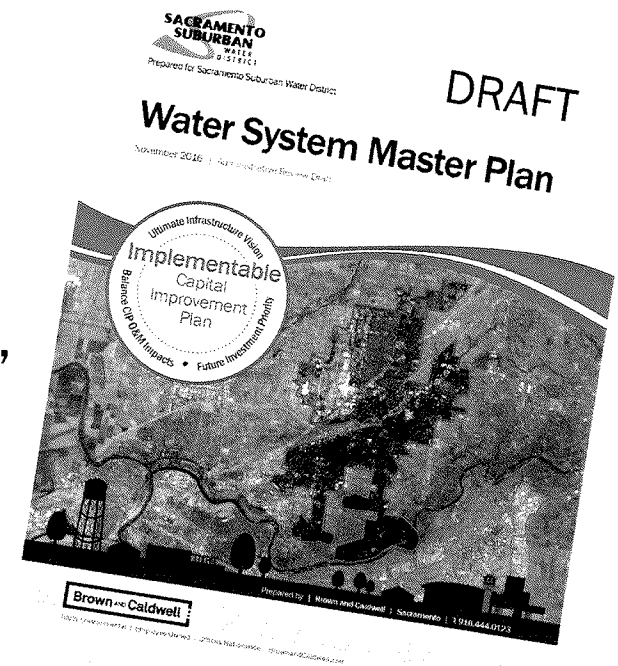


First Draft Water System Master Plan Document

- Review process
 - Internal review underway
 - Goal is for review process to be inclusive to get best product
- Key Master Plan take-aways
 - Water demand
 - Population/connection buildout to occur in 2031
 - Buildout demand 40,000 ac-ft/yr
 - Water supply
 - Conjunctive use operations to meet District needs and sell to others have varying cost implications to consider when making supply decisions.
 - Ultimate Vision – Water Transmission Backbone
 - Less reliance on localized well supply due to improved ability to move water within the system
 - Reduced potential for water quality contamination/regulation impacts
- Recommended 15-year CIP, \$20 to \$25 million per year
 - Includes Debt payments which will be complete just following the 15-year CIP period (\$7 million/yr)
 - Increase well replacement/rehab activity (\$6 million/yr)
 - Complete transmission mains backbone in NSA (\$4 million/yr)
 - Decrease distribution mains replacement (\$3 million/yr)

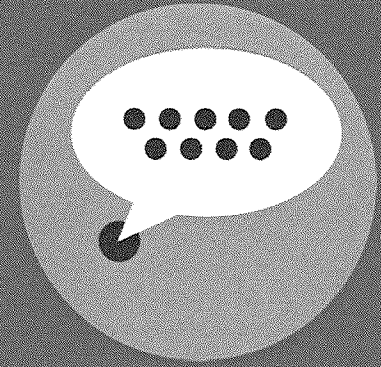
First Draft Master Plan Report Outline

- **Section 1.** Introduction
- **Section 2.** Description of Existing Water System
- **Section 3.** Water Requirements
- **Section 4.** Water Supplies –existing supplies, supply alternatives, and conjunctive use strategies.
- **Section 5.** Asset Management – Overview, review of the District’s current asset management plans.
- **Section 6.** Supply Facilities Analysis
- **Section 7.** Transmission Facilities Analysis
- **Section 8.** Distribution Facilities Analysis
- **Section 9.** Storage Facilities Analysis
- **Section 10.** Special Project Analysis – (SCADA, water meters, and buildings and structures)
- **Section 11.** Hydraulic Modeling –existing system and buildout conditions.
- **Section 12.** Capital Improvement Plan
- **Section 13.** References.



Next Steps in the Water System Master Plan Project

- Complete hydraulic modeling
- Incorporate District review comments on first draft document
- 5-year CIP refinement/one page project summaries
- Draft-Final Master Plan document, January 2017



Thank you.

Questions?

**Brown AND
Caldwell**



[Back to Agenda](#)

Facilities and Operations Committee

Agenda Item: 3

Date: November 30, 2016

Subject: Parkland Estates Paving Partnership Agreement with the County of Sacramento

Staff Contact: Mitchell S. Dion, Technical Services Director

Recommended Committee Action:

Receive report on a proposed Paving Partnership Agreement with the County of Sacramento for the Parkland Estates Main Replacement Project Phase One and recommend to the Board to authorize the General Manager, upon completion of legal counsel review, to execute a Paving Partnership Agreement **not to exceed \$168,377.00**.

Discussion:

The 2016 Parkland Estates Water Main Replacement Project is a main replacement project to be completed in two phases consisting of over 30,000 feet of new main lines, over 470 new meter installations and more than 50 fire hydrant upgrades and installations. The project area for both phases is shown on the attached map (see Exhibit 1).

The District has engaged in discussions with the County's Department of Transportation concerning the final paving solution for Phase One of the Parkland Estates Main Replacement Project. Phase one of the Parkland Estates only addresses the trench restoration and paving work to be completed within the Right of Way of Eastern Avenue from Marconi Avenue north to Chicken Ranch Slough, approximately 2,900 feet in length. The project site is shown in Exhibit 2. Pipeline replacement is currently under construction.

The District's trench restoration and final paving requirements of the Encroachment Permit is to place 6" of asphalt in what is known as a "T" trench, directly over the water line, measuring 4 feet wide. The District is also required to place a final paving solution known as a 2" grind and pave. This final solution consists of grinding the asphalt to a 2" depth for the entire width of the roadway lane, (12' to 14'), for the entire length of the newly installed waterline plus 15' at the beginning and end of the trench line.

The County intends to pave Eastern Avenue in 2017. This would create a five year pavement moratorium prohibiting any work within the Right of Way without incurring very expensive pavement restoration requirements, which prompted the pipeline replacement.

In lieu of working within a pavement moratorium area, the District initiated fast-tracking Parkland Estates Phase One work to be completed prior to the County issuing a contract to pave Eastern Avenue. Furthermore, the District proposed to the County to complete Phase One work with only minimal trench restoration work and eliminate the final full width lane paving, creating a temporary trench cap to be followed with additional work in 2017 by the County's paving project. The District would be responsible for the maintenance of the temporary trench cap until the County begins work on the paving contract. This is expected to be six months, but shall not exceed one year.

This would be known as the Parkland Estates Phase One Paving Partnership. The partnership would allow the District to place 6" of pavement in the 36" wide trench cut, rather than completing a full trench restoration and full width traffic lane paving as required by the Encroachment Permit as if there were no paving partnership. Under the agreement the County would relieve the District's obligation to perform a 2" grind and pave and reduce the trench cap width from 4' to 3'.

There is a favorable difference in the manner the trench restoration asphalt is placed between the Encroachment Permit requirements without a paving partnership in place and one with a paving partnership in place. The total cost to the District for the trench restoration and paving without a paving partnership in place is \$194,527.80, derived from adding line items 30 and 31. (See Exhibit 3 Bid Schedule)

Placing a trench cap with a paving partnership requires the Contractor to place a 6" asphalt cap 36" wide over the installed pipe at time of pipe installation. However, the cost of the 2" temporary asphalt cap is currently recognized in the bid schedule under line item 8 and 9 as part of the scope of work pertaining to the pipe installation under these bid items. An additional 4" of asphalt is required to be placed to meet the 6" pavement depth requirement of the paving partnership. The cost to place the additional 4" of asphalt is captured in bid item 34 (3' wide x 3000 lineal feet @ \$6.41/sf) \$57,690.00. To correctly identify the cost available to the County for the paving partnership, funds from line 34 are deducted from line item 30 (\$99,374.40), for a total of **\$41,684.00**. ($\$99,374.40 - 57,690.00 = \$41,684.00$)

The District also calculates soft costs that would incur if no paving partnership existed. The soft costs include in-house project management and inspection, County Inspection services, and transfer of liability. The transfer of liability eliminates any District risk associated with the placement or maintenance of the asphalt final paving. The District retains the responsibility for a one year warranty on all work performed under our contract within the County Right of Way excluding the placement of asphalt. Costs are shown below:

| | |
|--|-------------|
| In-house project management / inspection. 20 hrs. @ \$ 77.00/hr. | \$ 1,540.00 |
|--|-------------|

| | | |
|----------------------------|------------------------|--------------------|
| County Inspection services | 40 hrs. @ \$140.00/hr. | \$ 5,600.00 |
| Transfer of liability | 10% of contract* | <u>\$14,400.00</u> |
| | TOTAL | \$21,540.00 |

* Excludes soft costs

The County will complete the final pavement placement with their project in 2017. The District will provide funds identified for trench restoration and paving in the Bid Schedule line items 30 & 31, 6” trench cap, 2 grind and pave”, with a deduct for additional pavement noted in line item 34, “4 inch trench cap”, plus soft costs. The District will provide these funds to the County for use on their Eastern Avenue paving project in exchange for a Paving Partnership with an alternate trench cap.

Similar to past projects, the District has partnered with the County providing funds committed in trench and paving restoration tasks as shown in various past project bid schedules. Under this type of an agreement, the funds designated for trench and street restoration within the County Right of Way are provided to the County for their pavement project.

Based on the bid schedule for the Parkland Estates Main Replacement Project, the funds available for use by the County is \$158,377.80, as shown below.

| Bid Schedule Item | District Paving Funds Available |
|---------------------------------------|--|
| #30 6” Trench Cap | \$ 99,374.40 |
| #34 4” Additional Trench Cap (deduct) | -\$ 57,690.00 |
| #31 2” Grind and Pave | \$ 95,153.40 |
| Soft Costs (Project Management) | \$ 21,540.00 |
| Total | \$158,377.80 |

The Parkland Estates Phase One Project was bid with the assumption there would be no paving partnership. Therefore, all costs to meet the County’s Encroachment Permit requirements are contained in the main replacement budget.

As indicated the available funding for the 2016 Parkland Estates Phase One Project’s paving is **\$158,377.80**. The District is also responsible for “soft” costs during paving operations associated. The paving partnership transfers these costs, such as, County Inspection, Project Management, liability and liability transfer from the District to the County. Based on previous experience with past main replacement projects these costs represent approximately 10% or more of the paving costs.

The County has informed the District that they will not have a final Paving Partnership Agreement ready for signature until early spring 2017. The County has requested a budget number from SSWD identifying the available funds the District can contribute so they can plan their budgets and obtain approvals. This is not an unusual request and has been honored in the past.

A draft agreement will be prepared and presented to the County Board of Supervisors for approval prior to sending it to the District. Therefore, it is recommended the Board authorize the

General Manager, after our legal counsel has reviewed the contract, to execute a Paving Partnership Agreement with the County, not to exceed District contribution amount of **\$168,377.00**. The contribution amount includes a small contingency (\$10,000 for District use) over the amount to allow for some negotiating flexibility with the County of Sacramento and possible legal fees. A copy of the Board approved Drayton Heights Paving Partnership (Attachment 1) is provided as an example of a similar paving partnership.

Fiscal Impact:

There is no additional financial impact to the District due to the fact that the amount that would have been spent on final paving will remain the same.

Strategic Plan Alignment:

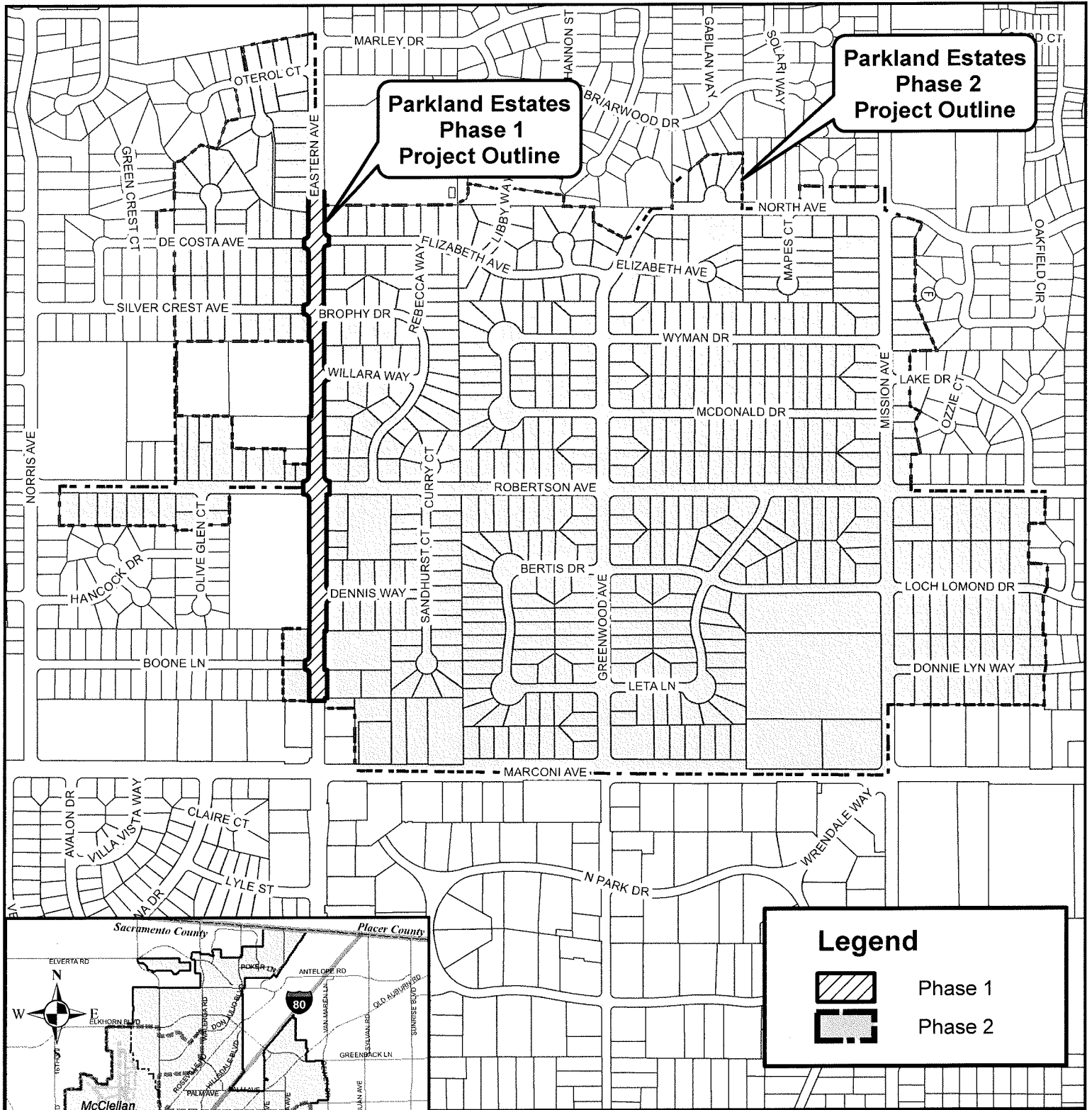
Facilities and Operations – 2.B. Monitor and improve the District’s efficiencies in operating and maintaining system infrastructure.

Facilities and Operations – 2.D. Implement protective, preventative and predictive maintenance programs on all District assets to extend their life and reduce service interruptions.

Customer Service – 3.D. Provide effective customer and community relations by communicating, educating, and providing information on the District and drinking water issues.

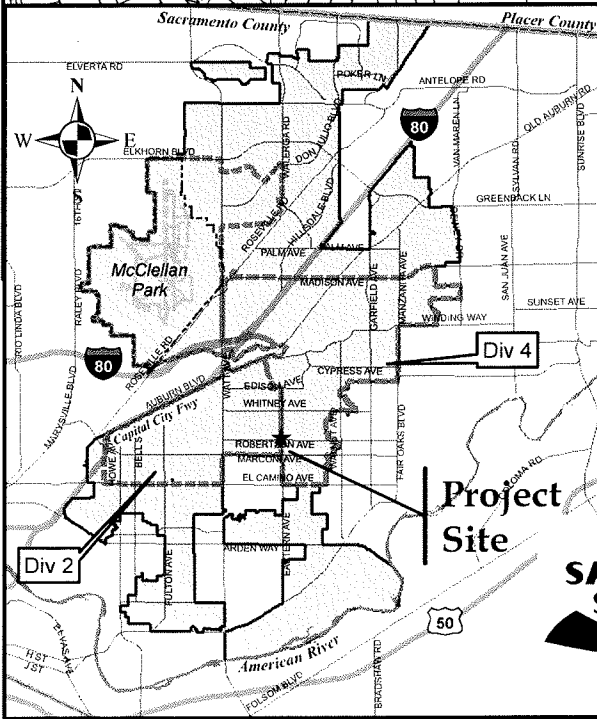
The upgrade of the existing water mains, hydrant and water services with new facilities will extend the life and reduce future maintenance of the distribution system. As part of the main replacement program, the District will upgrade and relocate existing water mains to the public right-of-ways, install new fire hydrants and water services with meters.

This agreement will also benefit the District’s customers as the paving overlay project will add completeness and visually pleasing aspect to the main replacement projects with new street surfaces over the entire project sites.



Legend

- Phase 1
- Phase 2



NO SCALE Portion of Sacramento Suburban Water District

EXHIBIT 1
NOT FOR RECORDING

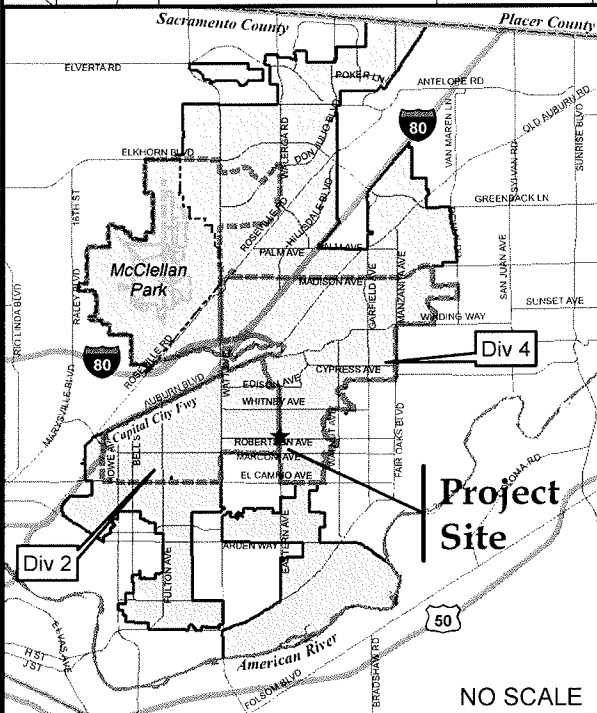
Parkland Estates Phase 1 & 2 Project Outlines
(Voting Div. 2 & 4)

Base Data: Sacramento County
Gis Base Map
Projection: CA State Plane 2, NAD83
Scale: No Scale
Prepared by: DAV, SSWD
Sacramento, CA - November, 2016
Parkland_Estates.mxd



THIS MAP SHOWS THE LOCATION OF THE PUE AND IS NOT PART OF EASEMENT DOCUMENTS

**Parkland Estates Phase 1
Project Outline**



NO SCALE

Portion of Sacramento Suburban Water District

EXHIBIT 2

NOT FOR RECORDING

**Parklands Estates Phase 1
Project Outline**

(Voting Div. 2 & 4)

Base Data: Sacramento County
 Gis Base Map
 Projection: CA State Plane 2, NAD83
 Scale: No Scale
 Prepared by: DAV, SSWD
 Sacramento, CA - November, 2016
 Parkland_Estates1.mxd

THIS MAP SHOWS THE LOCATION OF THE PUE AND IS NOT PART OF EASEMENT DOCUMENTS

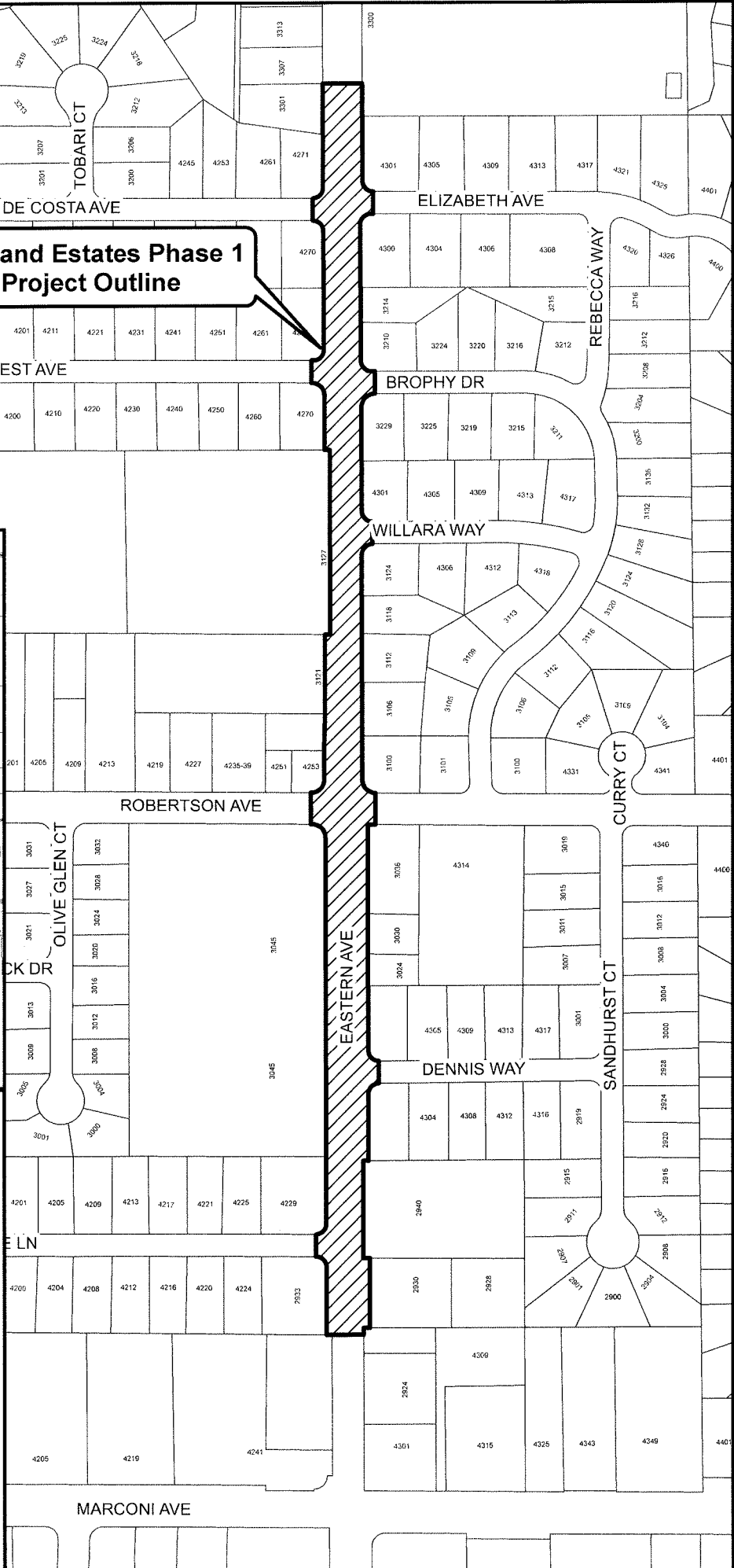


EXHIBIT 3

Y:\BIDDING PROJECTS 16\MR\16-MR-040 SSWD Parkland Estates\Revised Parkland Estates Phase I Estimated Bid Quantities - BLANK 10.20.16.xlsx

1.3 Bid Schedule

| 2016 PARKLAND ESTATES WATERLINE REPLACEMENT PROJECT PHASE 1 | | | | | |
|--|---|-------------------|---------------|-------------|---------------------|
| BID SCHEDULE | | | | | |
| NO. | Item | ESTIMATE QUANTITY | UNIT | UNIT PRICE | CONTRACT TOTAL |
| 1 | Mobilization/Demobilization | 1 | LS | \$13,820.00 | \$13,820.00 |
| 2 | Administration, including SB854, Staking, As Builts | 1 | LS | \$18,750.00 | \$18,750.00 |
| 3 | Traffic Control | 1 | LS | \$39,770.00 | \$39,770.00 |
| 4 | Storm Water Pollution Prevention Compliance | 1 | LS | \$9,400.00 | \$9,400.00 |
| 5 | Demolition & Abandonment | 1 | LS | \$6,250.00 | \$6,250.00 |
| 6 | Potholing (Minor Roads) | 20 | EA | \$260.00 | \$5,200.00 |
| 7 | Potholing (Major Roads) | 100 | EA | \$345.00 | \$34,500.00 |
| 8 | 8" DIP Installation (Major Roads) | 328 | LF | \$120.00 | \$39,360.00 |
| 9 | 12" DIP Installation (Major Roads) | 2,671 | LF | \$89.00 | \$237,719.00 |
| 10 | Deepend Trenches (LF/0.5 FT) | 2,412 | FT/ 0.5 FT | \$6.50 | \$15,678.00 |
| 11 | 4" Gate Valve | 1 | EA | \$580.00 | \$580.00 |
| 12 | 8" Gate Valve | 7 | EA | \$620.00 | \$4,340.00 |
| 13 | 10" Gate Valve | 1 | EA | \$635.00 | \$635.00 |
| 14 | 12" Butterfly Valve | 16 | EA | \$650.00 | \$10,400.00 |
| 15 | New/Replace Fire Hydrant Assembly | 10 | EA | \$4,800.00 | \$48,000.00 |
| 16 | 2" (temporary) blow-off | 10 | EA | \$750.00 | \$7,500.00 |
| 17 | 8" Tie-In (Major Roads) | 1 | EA | \$10,340.00 | \$10,340.00 |
| 18 | 10" Tie-In (Major Roads) | 1 | EA | \$9,120.00 | \$9,120.00 |
| 19 | 12" Tie-In (Major Roads) | 1 | EA | \$9,720.00 | \$9,720.00 |
| 20 | 8" Straight Pipe or Cap (Major Roads) | 1 | EA | \$5,360.00 | \$5,360.00 |
| 21 | 6" Utility Conflict (2 Fittings) | 5 | EA | \$1,660.00 | \$8,300.00 |
| 22 | 8" Deflection (1 Fitting) | 1 | EA | \$830.00 | \$830.00 |
| 23 | 8" Utility Conflict (2 Fittings) | 9 | EA | \$1,660.00 | \$14,940.00 |
| 24 | 12" Deflection (1 Fitting) | 7 | EA | \$830.00 | \$5,810.00 |
| 25 | 12" Utility Conflict (2 Fittings) | 31 | EA | \$1,660.00 | \$51,460.00 |
| 26 | Minor Concrete & Asphalt Repair | 100 | SF | \$40.00 | \$4,000.00 |
| 27 | Flush, Pressure Test & Disinfect | 1 | LS | \$9,000.00 | \$9,000.00 |
| 28 | Replace Traffic Loop | 4 | LS | \$2,000.00 | \$8,000.00 |
| 29 | Control Density Backfill | 30 | LF | \$54.00 | \$1,620.00 |
| 30 | 6" Trench Cap - Major Roads (Night & Day) 4' x 3,015' | 12,060 | SF | \$8.24 | \$99,374.40 |
| 31 | 2" Grind & Overlay | 36,180 ✓ | SF | \$2.63 | \$95,153.40 |
| 32 | 4" Metered Pipe Installation (Major Roads) | 20 | LF | \$107.00 | \$2,140.00 |
| 33 | Raise Valve Box (Temporary) | 28 | EA | \$100.00 | \$2,800.00 |
| Total Base Bid: | | | | | \$829,869.80 |
| OPTIONAL BID ITEMS: | | | | | |
| Note: The Contractor is made aware that these optional bid items may not be used and therefore there may ultimately be no payment for these items. | | | | | |
| NO. | Item | ESTIMATE QUANTITY | UNIT | UNIT PRICE | CONTRACT TOTAL |
| 34 | (Optional) 4" Temporary Additional Trench Cap | 12,060 | SF | \$6.41 | \$77,304.60 |
| 35 | (Optional) 3 Man Crew Utility Work - Day | 20 | HR | \$340.00 | \$6,800.00 |
| 36 | (Optional) 3 Man Crew Utility Work - Night | 20 | HR | \$450.00 | \$9,000.00 |
| 37 | (Optional) Asphalt Work at Night | 6 | NIGHT | \$3,730.00 | \$22,380.00 |
| Total Optional Bid: | | | | | \$115,484.60 |
| Project Total Bid (Total Base Bid + Total Optional Bid): | | | | | \$945,354.40 |

COUNTY OF SACRAMENTO
DEPARTMENT OF TRANSPORTATION

**AGREEMENT FOR
THE COST SHARE OF STREET AND TRENCH RESTORATION
WITH THE SACRAMENTO SUBURBAN WATER DISTRICT
(Drayton Heights)**

THIS AGREEMENT is made and entered into on _____, 2016, by and between the COUNTY OF SACRAMENTO, a political subdivision of the State of California, hereinafter referred to as "COUNTY," and the SACRAMENTO SUBURBAN WATER DISTRICT, a county water district created pursuant to California Water Code Sections 30000 et seq., hereinafter referred to as "WATER DISTRICT."

RECITALS

WHEREAS, WATER DISTRICT applied for, and COUNTY issued, encroachment permits to WATER DISTRICT to construct a water supply improvement project referred to as Drayton Heights located north of Cottage Way, east of Fulton Avenue, south of El Camino Avenue and west of Butano Drive (hereinafter "Improvement Projects") and said encroachment permits require that the pavement on the affected half of the roadway receive a slurry seal treatment by WATER DISTRICT; and

WHEREAS, during construction of WATER DISTRICT'S Improvement Projects, COUNTY has determined that it would be beneficial to apply an overlay of asphalt concrete to the entire roadway surface on streets within the project areas; and

WHEREAS, WATER DISTRICT is nearing completion of the Improvement Projects and COUNTY will be approving the work permitted under the encroachment permit, subject to the execution of this Agreement; and

WHEREAS, if WATER DISTRICT restores Improvement Projects trenches in accordance with encroachment permit requirements, WATER DISTRICT's effort and costs will be substantially lost when COUNTY thereafter grinds affected pavement preparatory to the overlay with asphalt concrete; and

WHEREAS, it is in the best interests of the public and both COUNTY and WATER DISTRICT to consolidate the Improvement Projects trench restoration with the overlay of asphalt concrete to lessen inconvenience to the public and save both effort and cost; and

WHEREAS, State of California Streets and Highways Code sections 943 and 1462 provide authority for COUNTY to enter into this Agreement for the purposes stated herein; and

WHEREAS, COUNTY and WATER DISTRICT desire to enter into this Agreement on the terms and conditions set forth herein.

NOW, THEREFORE, in consideration of the mutual promises hereinafter set forth, COUNTY and WATER DISTRICT agree as follows:

1. **TERM**

This Agreement shall be effective and commence as of the date first written above and shall remain in effect until December 31, 2017.

2. **NOTICE**

Any notice, demand, request, consent, or approval that either party hereto may or is required to give the other pursuant to this Agreement shall be in writing and shall be either personally delivered or sent by mail, addressed as follows:

To COUNTY:

Attn: Hardeep Sidhu, Project Manager
Department of Transportation
County of Sacramento
4100 Traffic Way
Sacramento, CA 95827

To WATER DISTRICT:

Attn: John Valdez
Sacramento Suburban Water District
3701 Marconi Avenue, Suite 100
Sacramento, CA 95821-5346

Either party may change the address or addressee to which subsequent notice and/or other communications can be sent by giving written notice designating a change of address and/or addressee to the other party, which shall be effective upon receipt.

3. **SCOPE OF AGREEMENT AND CONSIDERATION**

COUNTY issued Encroachment Permits No. ENUC2015-00350 to WATER DISTRICT for construction of WATER DISTRICT'S Drayton Heights Waterline Replacement Project Phase 2, specifically, for those streets identified in the map attached hereto as Exhibit A and incorporated herein by this reference. Under said encroachment permits, WATER DISTRICT was required to restore trenches in accordance with "Standard Requirements for Encroachment Projects – Attachment A," a copy of which is attached hereto as Exhibit B and incorporated herein as reference. During construction of WATER DISTRICT'S Improvement Projects, COUNTY determined those streets identified in Exhibit A are in need of repair with an overlay of asphalt concrete.

- A. WATER DISTRICT is completing its Improvement Project and in lieu of trench restoration in accordance with Exhibit B and partial slurry seal in accordance with encroachment permit requirements, WATER DISTRICT has, at the direction of COUNTY, installed 3 inches of temporary asphalt concrete.
- B. COUNTY shall not require WATER DISTRICT to restore trenches or slurry seal streets subject to this Agreement and shall not hold WATER DISTRICT liable for trench restoration warranty.
- C. WATER DISTRICT shall pay COUNTY the sum of \$423,896 to fund a portion of the estimated \$1,305,000 cost for trench restoration and overlay with asphalt concrete. WATER DISTRICT shall make such payment to COUNTY within THIRTY (30) days after execution of this Agreement. The foregoing sum shall represent the WATER DISTRICT's sole and full liability of the costs for trench restoration and overlay of the identified streets with asphalt concrete, and COUNTY shall be solely liable for any additional costs incurred to perform the work under this Agreement.
- D. COUNTY shall utilize the \$423,896 payment from WATER DISTRICT solely toward construction costs for the trench restoration and asphalt concrete overlay of streets

identified in Exhibit A. COUNTY shall complete the construction of this work by no later than the expiration of the term set forth in Section 1 of this Agreement.

- E. COUNTY shall perform all trench restoration and asphalt concrete overlay work provided in this Agreement in accordance with applicable, federal, state and local laws, regulations and ordinances, and in a good and workman-like manner.

4. **GOVERNING LAWS AND JURISDICTION**

This Agreement shall be deemed to have been executed and to be performed within the State of California and shall be construed and governed by the internal laws of the State of California. Any legal proceedings arising out of or relating to this Agreement shall be brought in Sacramento County, California.

5. **INDEMNIFICATION**

- A. WATER DISTRICT shall defend, indemnify and hold harmless COUNTY, its Board of Supervisors, officers, directors, agents, employees and volunteers from and against all demands, claims, actions, liabilities, losses, damages, and costs, including reasonable attorneys' fees, arising out of or resulting from the performance of WATER DISTRICT's obligations under this Agreement, caused in whole or in part by the negligent or intentional acts or omissions of WATER DISTRICT'S officers, directors, agents, employees, contractors, or subcontractors.
- B. COUNTY shall defend, indemnify, and hold harmless WATER DISTRICT, its officers, directors, agents, employees, and subcontractors from and against all demands, claims, actions, liabilities, losses, damages and costs, including reasonable attorneys' fees, arising out of or resulting from the performance of COUNTY's obligations under this Agreement, caused in whole or in part by the negligent or intentional acts or omissions of COUNTY'S Board of Supervisors, officers, directors, agents, employees, contractors, or subcontractors.
- C. It is the intention of COUNTY and WATER DISTRICT that the provisions of this paragraph be interpreted to impose on each party responsibility to the other for the acts and omissions of their respective officers, directors, agents, employees, COUNTY'S Board of Supervisors, and each party's contractors and subcontractors. It is also the intention of COUNTY and WATER DISTRICT that, where comparative fault is determined to have been contributory, principles of comparative fault will be followed and each party shall bear the proportionate cost of any damage attributable to the fault of that party, its officers, directors, agents, employees, volunteers, COUNTY'S Board of Supervisors and the party's contractors and subcontractors.
- D. The provisions of this indemnity shall survive the expiration or termination of the Agreement.

6. **INSURANCE**

Each party, at its sole cost and expense, shall carry insurance, or self-insure, its activities in connection with this Agreement, and obtain, keep in force and maintain, insurance or equivalent programs of self-insurance, for general liability, workers compensation, and business automobile liability adequate to cover its potential liabilities hereunder. Each party agrees to provide the other thirty (30) days' advance written

notice of any cancellation, termination or lapse of any of the insurance or self-insurance coverages.

7. **AMENDMENT AND WAIVER**

Except as provided herein, no alteration, amendment, variation, or waiver of the terms of this Agreement shall be valid unless made in writing and signed by both parties. Waiver by either party of any default, breach or condition precedent shall not be construed as a waiver of any other default, breach or condition precedent, or any other right hereunder. No interpretation of any provision of this Agreement shall be binding upon COUNTY unless agreed in writing by COUNTY'S Director and counsel for COUNTY. No interpretation of any provision of this Agreement shall be binding upon WATER DISTRICT unless agreed in writing by WATER DISTRICT's General Manager and legal counsel.

8. **SUCCESSORS**

This Agreement shall bind the successors of COUNTY and WATER DISTRICT in the same manner as if they were expressly named.

9. **TIME**

Time is of the essence of this Agreement.

10. **INTERPRETATION**

This Agreement shall be deemed to have been prepared equally by both of the parties, and the Agreement and its individual provisions shall not be construed or interpreted more favorably for one party on the basis that the other party prepared it.

11. **DIRECTOR**

As used in this Agreement, "Director" shall mean the Director of the COUNTY'S Department of Transportation, or his/her designee.

12. **DISPUTES**

In the event of any dispute arising out of or relating to this Agreement, the parties shall attempt, in good faith, to promptly resolve the dispute mutually between themselves. If the dispute cannot be resolved within fifteen (15) calendar days of initiating such negotiations or such other time period as may be mutually agreed to by the parties in writing, either party may pursue its available legal and equitable remedies, pursuant to the laws of the State of California. Nothing in this Agreement or provision shall constitute a waiver of any of the government claim filing requirements set forth in Title 1, Division 3.6, of the California Government Code or as otherwise set forth in local, state and federal law.

13. **TERMINATION**

- A. The parties may terminate this Agreement by mutual written consent.
- B. Either party may terminate this Agreement for cause upon giving written notice to the other party stating the cause and giving a reasonable period to correct the failure, which period shall be stated in the notice.
- C. Upon termination of this Agreement under either A or B, above, WATER DISTRICT shall restore trenches as required under the encroachment permit for the Improvement Project and applicable County ordinances and the COUNTY shall refund to the WATER DISTRICT any monies paid by the WATER

DISTRICT to the COUNTY which have not been expended by the COUNTY to accomplish work as required pursuant to this Agreement. Remittance of the refund shall be made within sixty (60) days of the termination of this Agreement.

14. PRIOR AGREEMENTS

This Agreement constitutes the entire contract between COUNTY and WATER DISTRICT regarding the subject matter of this Agreement. Any prior agreements, whether oral or written, between COUNTY and WATER DISTRICT regarding the subject matter of this Agreement are hereby terminated effective immediately upon full execution of this Agreement.

15. SEVERABILITY

If any term or condition of this Agreement or the application thereof to any person(s) or circumstance is held invalid or unenforceable, such invalidity or unenforceability shall not affect other terms, conditions, or applications which can be given effect without the invalid term, condition, or application; to this end the terms and conditions of this Agreement are declared severable.

16. FORCE MAJEURE

Neither WATER DISTRICT nor COUNTY shall be liable or responsible for delays or failures in performance resulting from events beyond the reasonable control of such party and without fault or negligence of such party. Such events shall include but not be limited to acts of God, strikes, lockouts, riots, acts of war, epidemics, acts of government, fire, power failures, nuclear accidents, earthquakes, unusually severe weather, acts of terrorism, or other disasters, whether or not similar to the foregoing, and acts or omissions or failure to cooperate of the other party or third parties (except as otherwise specifically provided herein).

17. SURVIVAL OF TERMS

The parties' performance of this Agreement is subject to all of the terms and conditions set forth herein, notwithstanding the expiration of the initial term of this Agreement or any extension thereof. Further, the terms and conditions contained in this Agreement that by their sense and context are intended to survive the completion of the performance, cancellation or termination of this Agreement shall so survive.

18. AUTHORITY TO EXECUTE

Each person executing this Agreement represents and warrants that he or she is duly authorized and has legal authority to execute and deliver this Agreement for or on behalf of the parties to this Agreement. Each party represents and warrants to the other that the execution and delivery of the Agreement and the performance of such party's obligations hereunder have been duly authorized.

19. COUNTERPARTS

This Agreement may be executed in counterparts. The Agreement shall be deemed executed when it has been signed by both parties.

(SIGNATURE PAGE FOLLOWS)

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed as of the day and year first written above.

COUNTY OF SACRAMENTO

SACRAMENTO SUBURBAN WATER DISTRICT

By: _____
Michael J. Penrose, Director
Department of Transportation

By: _____
Robert S. Roscoe
General Manager

Date: _____

Date: _____

Agreement approved by the Board of Supervisors with authority delegated to the Director to sign:

Agenda Date: _____

Item Number: _____

Resolution Number: _____

Reviewed and Approved by County Counsel

By: _____
William Burke, Deputy County Counsel

Date: _____

Prepared by: _____
Chalon Rogers, Senior Contract Services Officer
Contract & Purchasing Services Division
Department of General Services
Phone: (916) 876-6287

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