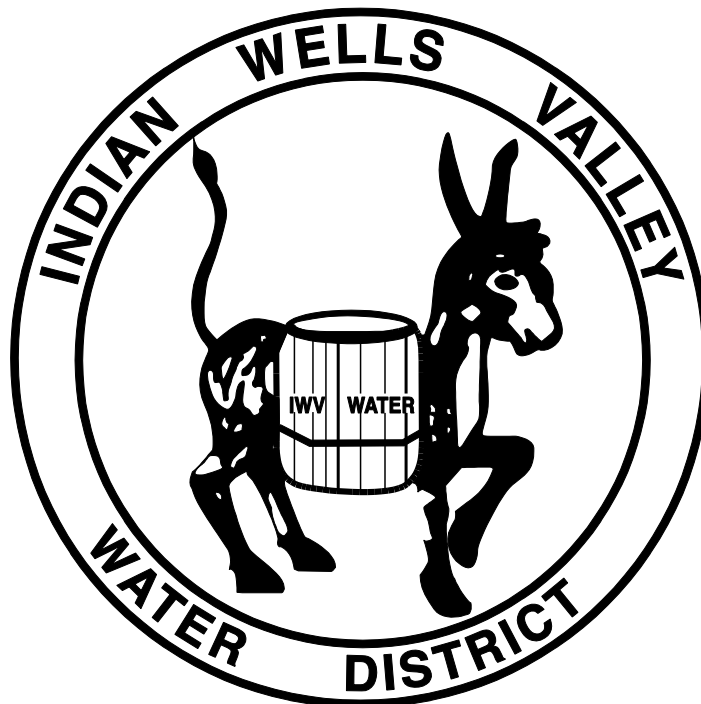


Indian Wells Valley Water District

Board of Directors Meeting



August 8, 2011

INDIAN WELLS VALLEY WATER DISTRICT

BOARD OF DIRECTORS

Harold W. Manning, President
Peggy Breeden, Vice President
Peter Brown
Leroy Corlett
Donald J. Cortichiato

Thomas F. Mulvihill
General Manager
Krieger & Stewart, Incorporated
Engineers
McMurtrey, Hartsock & Worth
Attorneys-at-Law

2011 COMMITTEE ASSIGNMENTS

ADMINISTRATION/EXECUTIVE COMMITTEE (BREEDEN/MANNING)

Personnel, Legal Matters, General Plan, Community Relations, Board Meeting Agendas, Ordinances, Rules, Regulations, Policies, Procedures, Customer Service, Variances, Director's Manual, etc.

FINANCE COMMITTEE (BREEDEN/CORTICHIATO)

Rates, Cost-of-Service, Budget, Audits, Cost Allocation, Investments, Financial Services, Insurance, Loans/Grants, Water Sales & Service Policy Manual, Accounting, Assessment Districts, Billing, etc.

WATER MANAGEMENT (CORLETT/CORTICHIATO)

Water Management, Water Policy, Water Quality, Conservation, Urban Water Management Plan, California Urban Water Conservation Council, Title 22 Compliance, etc.

PLANT & EQUIPMENT COMMITTEE (BROWN/CORLETT)

Transmission/Distribution System, Vehicles & Equipment, Wells, Reservoirs, Real Property Management, Telemetry, etc.

ALTERNATE WATER SUPPLY COMMITTEE (BROWN/MANNING)

Alternative sources for water supply including Blending, Importation, Reuse, etc.

BOARD OF DIRECTORS
INDIAN WELLS VALLEY WATER DISTRICT

REGULAR BOARD MEETING

AGENDA

MONDAY, AUGUST 8, 2011 - 7:00 P.M.

BOARD OF DIRECTORS' HEARING ROOM
500 W. RIDGECREST BLVD., RIDGECREST

(Pursuant to Government Code section 54957.5, any materials relating to an open session item on this agenda, distributed to the Board of Directors after the distribution of the agenda packet, will be made available for public inspection at the time of distribution at the following location: Indian Wells Valley Water District, 500 W. Ridgecrest Blvd., Ridgecrest, CA).

1. CALL TO ORDER
2. PLEDGE OF ALLEGIANCE
3. ROLL CALL
4. POSTING OF AGENDA DECLARATION
5. CONFLICT OF INTEREST DECLARATION
6. PUBLIC QUESTIONS AND COMMENTS

(THIS PORTION OF THE MEETING IS RESERVED FOR PERSONS DESIRING TO ADDRESS THE BOARD ON ANY MATTER NOT ON THE AGENDA AND OVER WHICH THE BOARD HAS JURISDICTION. HOWEVER, NO ACTION MAY BE TAKEN BY THE BOARD OF DIRECTORS ON ANY ITEM NOT APPEARING ON THE AGENDA. NON-AGENDA SPEAKERS ARE ASKED TO LIMIT THEIR PRESENTATION TO FIVE MINUTES. PUBLIC QUESTIONS AND COMMENTS ON ITEMS LISTED ON THE AGENDA WILL BE ACCEPTED AT ANY TIME THE ITEM IS BROUGHT FORTH FOR CONSIDERATION BY THE BOARD. WHEN YOU ARE RECOGNIZED BY THE CHAIRPERSON, PLEASE STATE YOUR NAME AND ADDRESS FOR THE RECORD).

7. WATER WISE PARTNER AWARD: SAND CANYON ENVIRONMENTAL EDUCATION COORDINATOR PEGGY JACOBSON

8. CURRENT BUSINESS/COMMITTEE REPORTS

A. Consent Calendar

1. Approval of Minutes:
 - a. July 11, 2011 Regular Board Meeting
 - b. July 18, 2011 Special Board Meeting
2. Approval of Accounts Payable Disbursements

B. Water Management Committee

1. Inyo-Mono Regional Water Management Group Status

C. Plant and Equipment Committee

1. Concept Plan Approval: T Metcalf Construction, Tract 7050
Committee recommends the following Motion: Board accept the Concept Plan as presented.
2. Acceptance of Contract Work and Approval of Change Order No. 2: Best Drilling & Pump
Committee recommends the following Motion: Board accept Contract Work by Best Drilling & Pump and approve Change Order No. 2.
3. Acceptance of Contract Work: Bakersfield Well & Pump
Committee recommends the following Motion: Board accept Contract Work by Bakersfield Well & Pump.
4. Krieger & Stewart Work Orders 31G and 31H Construction Engineering Services: Wells 9A/10 and Wells 11/13 Arsenic Removal Facilities and Well Pumping Plant No. 34 not to exceed \$84,000 for Work Order 31G and not to exceed \$200,000 for Work Order 31H.
Committee recommends the following Motion: Board approve Work Order 31G in the amount of \$84,000 and Work Order 31H in the amount of \$200,000.
5. Krieger & Stewart Work Order 16B: Butterworth Irrigation System Improvements (Wells 1A and 2A).
Committee recommends the following Motion: Board approve Work Order 16B in the amount of \$99,163.35.
6. District Ready to Serve Charge
Committee recommends: Cost of Service Study to begin around November 15, 2011.

D. Resolution No. 11-03: For the Election of Directors to the Special District Risk Management Authority Board of Directors, Voting for Terry Burkhart

E. Request for Letter of Endorsement: Eastern Sierra Connect Regional Broadband Consortium

F. General Manager and Staff Update

1. Water Production and New Services
2. Water Supply Improvement Plan – Objectives of the Plan
3. Geographic Information System Needs Assessment Recommendation
4. Mainline Replacement Projects
5. Capital Improvement Projects

9. BOARD COMMENTS/FUTURE AGENDA ITEMS

10. CLOSED SESSION

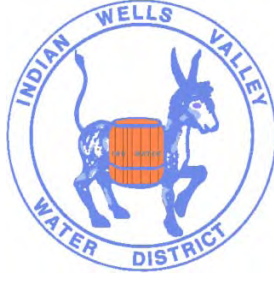
A. Potential Litigation

Two Matters

(Pursuant to Government Code Section 54956.9(b)(1))

11. ADJOURNMENT

Requests for disability related modifications or accommodations, including auxiliary aids or services may be made by telephoning or contacting Rose Koch at the District offices. Please attempt to make such requests known at least 24 hours before the scheduled meeting.



7.

Peggy Jacobson Water Wise Partner Award Info

For over five years, Peggy Jacobson has been the Coordinator of the Sand Canyon Environmental Education Program (SEEP). According to SEEP materials, their environmental and educational goals relate to “. . . water and living within a sustainable arid ecosystem involving a hands-on approach for the students and members of the community. The program addresses all aspects of riparian areas, desert frailty and adaptation, water conservation, roles of various agencies, personal responsibility, desert safety, and empowering students to get involved as citizens in making environmental decisions . . . The entire program will set the stage for a lifelong excitement about the outdoors, and a desire to learn about and care for the environment.”

Peggy’s duties relative to this undertaking include but are not limited to:

- Liaison to all schools in the IWV with 4th and 5th grade classes;
- Liaison to the Bureau of Land Management
- scheduling 4th grade in-classroom prep dates as well as the actual field trips to Sand Canyon;
- scheduling and making in-classroom presentations for 5th grade participants;
- assisting with grant proposals; organizing the reference materials for each classroom;
- scheduling meetings; helping to secure volunteer presenters;
- helping to secure donations from the community;
- organizing SEEP Ice Cream Socials;
- editing and amending curriculum and other materials,
- organizing and overseeing Sand Canyon set-up.

One main objective of the SEEP experience, according to organizers, is to produce children who respect and protect nature and our natural resources and who will, as adults, be informed consumers and community leaders.

Peggy is entitled to receive an hourly stipend but has taken no money during her tenure. She has often stated that this program is a way for her to give back to the community and that her gift of service will serve as a part of her legacy.



Approval of Minutes

MINUTES OF THE REGULAR BOARD MEETING

BOARD OF DIRECTORS
INDIAN WELLS VALLEY WATER DISTRICT

July 11, 2011

The Regular Meeting of the Board of Directors of the Indian Wells Valley Water District was called to order by President Manning at 7:01 p.m. in the Board of Directors Hearing Room, 500 West Ridgecrest Boulevard, Ridgecrest, California. **CALL TO ORDER**

The Pledge of Allegiance was led by Lyle Fisher. **PLEDGE**

DIRECTORS PRESENT: President Harold W. Manning **ROLL CALL**
Vice-President Margaret "Peggy" L. Breeden
Director Peter E. Brown
Director Leroy H. Corlett
Director Donald J. Cortichiato

DIRECTORS ABSENT: None.

ALSO PRESENT: Jim Worth, Attorney;
Chuck Krieger, Consulting Engineer;
Tom Mulvihill, General Manager;
Jennifer Keep, Chief Financial Officer;
Reneé Morquecho, District Engineer;
Lucinda Crosby, Public Education and Conservation Coordinator;
Rose Koch, Recording Secretary

AGENDA DECLARATION

AGENDA DECLARATION

Recording Secretary, Rose Koch, reported that the agenda for tonight's Regular Board Meeting was posted on Friday, July 8th, 2011.

CONFLICT OF INTEREST DECLARATION

CONFLICT OF INTEREST

None.

PUBLIC QUESTIONS AND COMMENTS

PUBLIC COMMENTS

None.

WATER WISE PARTNER AWARD: NAVAL AIR WEAPONS STATION CHINA LAKE

WATER WISE PARTNER AWARD

On behalf of the Board of Directors, President Manning and Lucinda Crosby presented the Water Wise Partner Award to the Naval Air Weapons Station China Lake. Accepting the award were Commanding Officer Captain Jeffrey Dodson and Public Works Officer Commander Stan Kloss. Recognition was given for their total reduction in water use from Fiscal Year 2007 through Fiscal Year 2010 of approximately 32% and for their continued focus on the repair and maintenance of irrigation systems and other high water-use areas as well as water conservation education programs at China Lake.

President Manning recessed the meeting at 7:10 p.m. and recalled to order at 7:25 p.m.

CONSENT CALENDAR

CONSENT CALENDAR

MOTION: was made by Director Brown and seconded by Vice-President Breeden, to approve the Minutes of the June 13, 2011 Regular Board Meeting, June 20, 2011 Special Board Meeting and Public Hearing, June 23, 2011 Special Board Meeting Workshop, and June 28, 2011 Special Board Meeting, and to approve disbursement of Accounts Payable totaling \$386,101.45.

Director Cortichiato clarified that the June 28th, 2011 Special Board Meeting Motion "...to table the Proposed Reorganization Action for 30 days to allow the employees to select a representative(s) and provide management with cost savings proposals the employees are willing to consider in an effort to reduce District costs and save District positions as an alternative to the Proposed Reorganization Action presented in the proposal" should be revised to state "no later than 30 days."

With no further discussion on the Consent Calendar the following Motion was made:

MOTION: was made by Director Cortichiato and seconded by Director Corlett to approve the Minutes of the June 13, 2011 Regular Board Meeting, June 20, 2011 Special board Meeting and Public Hearing, June 23, 2011 Special Board Meeting Workshop, and the June 28, 2011 Special Board Meeting as amended, and to approve disbursement of Accounts Payable totaling \$386,101.45. The Motion was carried, unanimously. (Vote 5-0)

WATER MANAGEMENT COMMITTEE

WATER MANAGEMENT

Director Corlett reported that the Regional Water Management Group (RWMG) continues to work with the California Department of Water Resources (DWR) on the appeal of the preliminary round 1 funding recommendations. The final funding may be released before the next meeting on July 27th, 2011. The Group has been asked to prepare a response to a questionnaire sent out last week and to be ready to explain your status at the July 27th meeting. Director Corlett has asked staff to respond to this request. Director Corlett has notified

INYO-MONO RWMG STATUS

the RWMG to zero out the District's funding for this program for this fiscal year. Director Corlett contacted Assemblywoman Shannon Grove asking her to become involved in the distribution of RWMP funds. Assemblywoman Grove declined believing Ridgecrest to be a small portion of the Inyo-Mono RWMP. Senator Jean Fuller was then contacted. Her staff has since contacted Cal-Trout to get more information.

PLANT AND EQUIPMENT COMMITTEE

P & E

Tom Mulvihill invited the public to the Water Supply Improvement Plan General Public Scoping Meeting scheduled for Wednesday, July 13th from 5:00 p.m. to 7:00 p.m. in the Board Room. The purpose of this meeting is for individuals to voice their concerns with the draft environmental impact report, which is now in preparation. The initial environmental study is posted on the District's website for public review. Directors will not be present at this meeting.

WSIP

ADMINISTRATION/EXECUTIVE COMMITTEE

ADMIN/EXEC

President Manning reported that the Administration/Executive Committee recommended Steve Perez from Rosamond Community Services District as representative to the CSDA Board of Directors.

CSDA BOARD
ELECTIONS

MOTION: was made by President Manning and seconded by Director Corlett, to vote for Steve Perez as California Special District Association Board of Directors Election 2011 Region 4 Seat C. The Motion was carried, unanimously. (Vote 5-0)

President Manning reported the Administration/Executive Committee recommended Board approval of 2011 Proposed California Special District Association (CSDA) Bylaws Amendments. Proposed Bylaws Amendments included a provision that CSDA chapters must have at least one CSDA Member and that any new chapters are required to have 100% of their district members as CSDA members in order to be a chapter affiliate of CSDA.

CSDA BYLAWS
AMENDMENTS

MOTION: was made by Vice-President Breeden and seconded by Director Brown, to approve the 2011 Proposed California Special District Association Bylaws Amendments as presented. The Motion was carried, unanimously. (Vote 5-0)

The Board reviewed the Special District Risk Management Association (SDRMA) Board of Directors Elections 2011 ballot. The Board was not familiar with any of the candidates. Engineering Consultant Chuck Krieger recommended Terry Burkhart of Bighorn-Desert View Water Agency. Bighorn-Desert View Water Agency has similar situations as the District such as Arsenic, groundwater supplies, no surface water supplies, and in the high desert.

SDRMA BOARD
ELECTIONS

MOTION: was made by Vice-President Breeden and seconded by Director Cortichiato, to vote for Terry Burkhart on the Official 2011 Election Ballot, Special District Risk Management Authority Board of Directors Elections 2011. The Motion was carried, unanimously. (Vote 5-0)

The Board did not make any candidate nominations for the Association of California Water Agencies President and/or Vice-President.

ACWA
CANDIDATE
NOMINATIONS

PASCAL & LUDWIG CONSTRUCTIONS, WELLS 9A/10 AND WELLS 11/13 ARSENIC REMOVAL FACILITIES AND WELL PUMPING PLANT NO. 34: CONTRACT CHANGE ORDER NO. 19 IN THE AMOUNT OF \$2,532.00

PASCAL & LUDWIG CHANGE ORDER NO. 19

Pascal & Ludwig Constructors submitted Contract Change Order No. 19 in the amount of \$2,532.00 for Wells 9A/10 and Wells 11/13 Arsenic Removal Facilities and Well Pumping Plant No. 34 (included in the Board Packet). The Contract Change Order is to furnish and install Cal/OSHA approved warning tape to HVAC condensation lines and exposed HPA lines at both the Wells 9A/10 and Wells 11/13 plants, furnish and install floating suction strainers restraint system in the BWW tanks at both the well sites, and furnish and install additional supports for the RTU antenna masts at both plant sites. This Change Order does not represent any increase in the number of calendar days or extend the adjusted completion date.

MOTION: was made by Director Brown and seconded by Director Corlett, to approve Contract Change Order No. 19 in the amount of \$2,532.00 for Wells 9A/10 and Wells 11/13 Arsenic Removal Facilities and Well Pumping Plant No. 34 as presented. The Motion was carried, unanimously. (Vote 5-0)

DISTRICT REORGANIZATION

DISTRICT REORGANIZATION

Tom Mulvihill reported that Board action is not expected on this item. Further information from employee representatives is expected in the near future.

GENERAL MANAGER AND STAFF UPDATE

GENERAL MANAGER & STAFF UPDATE

Tom Mulvihill reported that water production for June was 775 acre-feet (252,500,000 gallons) compared to 885.7 acre-feet in June 2010. There was one new residential service for the month of June.

PRODUCTION/
NEW SERVICES

Tom Mulvihill reported that he had given a report on the Indian Wells Valley Specific Plan at the June Board Workshop. There will be another Kern County meeting in July. The results of the first two meetings will be reported.

IWV VISIONING
WORKSHOP

Tom Mulvihill reported that the Construction Crew is preparing to complete the Burns Avenue mainline replacement. There are 3 service changeovers and the line abandonment to be completed.

MAINLINE
REPLACEMENT
PROJECTS

Capital Improvement Projects were discussed under Agenda Item 8.E. Pascal & Ludwig Constructors, Wells 9A/10 and Wells 11/13 Arsenic Removal Facilities and Well Pumping Plant No. 34: Contract Change Order No. 19 in the amount of \$2,532.00

CAPITAL
IMPROVEMENT
PROJECTS

Jennifer Keep reported that at the Finance Committee Meeting last week she had announced that the U.S. Bureau of Reclamation grant application had been rejected for the 2011 Rural Water Supply Program

GRANT
APPLICATIONS

Grant funding for the Brackish Water Resource Study. The debriefing for the application denial was today. Of the 45 applicants who had submitted a Statement of Interest, 25 were invited to submit a full application. Only 23 organizations submitted a full application for a total of \$6.5 million requested. The Bureau of Reclamation awarded 7 studies plus 1 ongoing study a total \$2.3 million. The District's application scored well in the Urgent Needs and Compelling and Regional Watershed Perspectives categories. Each category was worth 35 out of 100 points. Panel comments included the District was able to show that the valley has declining groundwater and that there is a need for alternate water source, but did not express the urgency. They also noted that the District's water use was higher than the State's average. Weaknesses included no Tribal, Financial Criterion, and Programmatic Overlap points. Amy Witherall, Bureau of Reclamation Representative, suggested contacting the local Bureau of Reclamation Branch in Temecula, CA, for technical assistance. Director Corlett suggested sending a letter of appreciation for support given by Amy Witherall.

BOARD COMMENTS/FUTURE AGENDA ITEMS

**BOARD
COMMENTS**

President Manning commented that the Los Angeles Department of Water and Power was ranked 13th out of the 19 worst companies in their category in America because of their billing practices.

With no further Board comments, President Manning recessed the meeting and adjourned to Closed Session at 8:03 p.m.

CLOSED SESSION

**CLOSED
SESSION**

The meeting was reconvened in Closed Session at 8:10 p.m.

The meeting was recalled to Open Session at 10:21 p.m.

There was no action taken which would require disclosure under the Brown Act.

ADJOURNMENT

ADJOURNMENT

With no further business to come before the Board, the meeting was adjourned by President Manning at 10:21 p.m.

Respectfully submitted,

Rose Koch
Recording Secretary

APPROVED: _____

MINUTES OF THE SPECIAL BOARD MEETING

BOARD OF DIRECTORS
INDIAN WELLS VALLEY WATER DISTRICT

July 18, 2011

The Special Meeting of the Board of Directors of the Indian Wells Valley Water District was called to order by Vice-President Breeden at 5:05 p.m. in the Board of Directors Hearing Room, 500 West Ridgecrest Boulevard, Ridgecrest, California. **CALL TO ORDER**

The Pledge of Allegiance was led by Public John Ciani. **PLEDGE**

DIRECTORS PRESENT: President Harold W. Manning (arrived 5:17 p.m.) **ROLL CALL**
Vice-President Margaret "Peggy" L. Breeden
Director Peter E. Brown
Director Leroy H. Corlett
Director Donald J. Cortichiato

DIRECTORS ABSENT: None.

ALSO PRESENT: Jim Worth, Attorney;
Tom Mulvihill, General Manager;
Larry DeGano, Operations Superintendent;
Jennifer Keep, Chief Financial Officer;
Renée Morquecho, District Engineer;
Rose Koch, Recording Secretary

AGENDA DECLARATION

AGENDA DECLARATION

Recording Secretary, Rose Koch, reported that the agenda for tonight's Special Board Meeting was posted on Friday, July 15, 2011.

CONFLICT OF INTEREST DECLARATION

CONFLICT OF INTEREST

None.

PUBLIC QUESTIONS AND COMMENTS

PUBLIC COMMENTS

None.

Vice-President Breeden recessed the meeting and adjourned to Closed Session at 5:06 p.m.

CLOSED SESSION

**CLOSED
SESSION**

The meeting was reconvened in Closed Session at 5:06 p.m.

The meeting was recalled to Open Session at 5:58 p.m.

Jim Worth announced that there was no action taken which would require disclosure under the Brown Act.

DISTRICT REORGANIZATION

**DISTRICT
REORGANIZATION**

The Proposed Reorganization Action was distributed to District employees and the public in attendance.

Tom Mulvihill gave a timeline of events leading up to the District's Proposed Reorganization Action:

- Fiscal Year 2009-2010: Annual audit showed that there were losses to the General Fund. Discussions at Board level were held and concluded that the District could not continue with those losses on an indefinite basis.
- December 2010: At the Mid-Year Budget Review, the Mid-Year Budget revision had a further revised downward revenue projection due to the District not meeting the projected revenues for the annual budget.
- April 7, 2011: Finance Committee discussed revenues not meeting the Mid-Year Budget.
- May 5, 2011: The Finance Committee reviewed several revenue projections.
- May 26 and June 9, 2011: Finance Committee met and recommended budgets for General Fund, Capital Improvement, and Cash Flow projections. The resulting budget, which was sent to the Board, called for a \$1,382,000 loss to the General Fund projected for the coming Fiscal Year.
- June 13, 2011: Board adopted budgets with only a modest modification for Fiscal Year 2011-2012.
- June 28, 2011: There was a Special Board Meeting to consider the District Reorganization which was presented in Open Session. Employee comments were made, which included offering to give up their Cost of Living Allowance (COLA). Vice-President Breeden asked employees present what the level of interest was for giving up their COLA. Almost every employee, if not all employees present, raised their hands. A Motion was made and adopted by the Board "to table the Proposed Reorganization Action for no later than 30 days to allow the employees to select a representative(s) and provide management with cost savings proposals the employees are willing to consider in an effort to reduce District costs and save District positions as an alternative to the Proposed Reorganization Action".

Since the June 28th meeting, the employees have met several times. Tom Mulvihill and Jennifer Keep assisted employee representatives to develop a confidential questionnaire. Jim Worth provided legal assistance to the wording of the questionnaire. The questionnaire was developed by the employee

representatives. Each employee would act as an individual and would have the opportunity to enter into an agreement to participate in certain District cost saving measures. The questionnaire was voluntary and confidential. There were three questions:

- 1) Are you willing to give up your Cost of Living increase?
- 2) Are you willing to contribute a percentage of your gross salary towards the employee contribution of the Public Employment Retirement System (PERS)? This is currently paid by the District.
- 3) Would you agree to voluntarily take up to two furlough days per month?

This questionnaire was distributed to all employees including Management on Thursday, July 14th and returned sealed to Rose Koch and then given to Jennifer Keep who made a tally of the results. Unfortunately, the results did not come close to the cost of saving one position. The questionnaires will remain confidential and remain in a legal file off the premises. Anything the employees may have agreed to will not be affected.

Presented to the Board at tonight's Special Board Meeting is the same proposal from June 28th with a modification to the supplemental severance pay: "The Board offers supplemental severance pay to regular employees affected by the Reorganization Action who have more than two full years of employment with the District, provided, said affected employees sign a release/waiver of all claims against the District in exchange for the supplemental severance pay. Supplemental severance pay will be offered in an amount equal to one week's salary for each additional full year of employment with the District, beginning at three full years of service".

MOTION: was made by Director Brown and seconded by Director Cortichiato to approve the Proposed Reorganization Action eliminating two Engineering Inspectors, one Field Service Representative I/II, one Maintenance/Repair/Construction Crew Leader, three Maintenance/Repair/Construction I/II, and one Public Education & Conservation Coordinator. All temporary positions/employees were also eliminated.

Regular and temporary employees whose employment will terminate as a result of the change in work force shall receive two weeks severance pay. In addition, the Board offers supplemental severance pay to regular employees affected by the Reorganization Action who have more than two full years of employment with the District, provided, said affected employees sign a release/waiver of all claims against the District in exchange for the supplemental severance pay. Supplemental severance pay will be offered in an amount equal to one week's salary for each additional full year of employment with the District, beginning at three full years of service.

Pursuant to the District Personnel Manual, Compensation in Lieu of Sick Leave, page 14, regular employees whose employment will terminate as a result of the change in work force shall, in

addition to receiving other benefits as required by law, receive compensation in an amount equal to 25 percent of all unused accrued sick leave, up to a maximum compensation for three days (24 hours).

Pursuant to the District Personnel Manual, Vacation Leave, page 22, regular employees, whose employment will terminate as a result of the change in work force, who have unused accrued vacation leave at the time of their termination of employment will be paid for all unused accrued vacation leave at the rate of pay being paid at the time of termination.

Employees whose positions are being eliminated and who meet the eligibility requirements for retiree medical benefits will remain eligible for that benefit (see 1998 Employee MOU).

See attached Proposed Organizational Chart dated July 18, 2011.

Employees making comments were Patty Montenegro and Ashley Paulsen. Comments included asking the Board to consider furlough days in order to continue saving the District funds to prevent any further reduction in force and urging the Board to communicate with employees, especially in the case of a possible reduction in force.

Public making comment was Laura Dobbins.

Motion was carried, unanimously. (Vote 5-0)

BOARD COMMENTS/FUTURE AGENDA ITEMS

BOARD COMMENTS

Director Brown commented that he is proud of the staff for their effort to save positions and future positions. Fortunately, things like this bring people together. A lot of lessons were learned. Communication will always endeavor to make it better. The Board will try to include staff in future items that are being considered. Knowing that there is a "want" to help fix the big picture, makes Director Brown feel better. He appreciates the effort and recognizes it is difficult on those who are losing their jobs. Everyone is doing a good job. Director Brown is proud of the staff.

Director Cortichiato agreed with Director Brown's comments. Director Cortichiato appreciates employees getting involved, giving the Board feedback. The Board listened and tried to work with it. The numbers were not there. Director Cortichiato commented on earlier comments made by Public Laura Dobbins. Conservation is critical for the life of the Indian Wells Valley regardless of what the State is requiring. If we do not conserve water now, the water will become more expensive in the future. This was an extremely difficult decision for the Board to make. The Board understands that we are impacting people's lives and this was not easy to do. We have good employees and appreciate the work they've done for the District.

Director Corlett said that the District has always had outstanding employees. He appreciates the employees input and hopes that if there is a next time, there is better communication with the staff. Director Corlett also agreed with Director Brown's comments.

Vice-President Breeden agreed with all the Director's comments. Personally, this has been the most difficult decision she's ever made.

President Manning also agreed with the Board comments. He is happy to see the employee's reaction to willingly sacrifice for fellow employees. Unfortunately, it did not work out. He showed appreciation to the District and its employees.

ADJOURNMENT

ADJOURNMENT

With no further business to come before the Board, the meeting was adjourned with the following Motion:

MOTION: was made by Director Brown and seconded by Director Corlett to adjourn the meeting at 6:26 p.m. The Motion was carried, unanimously. (Vote 5-0)

Respectfully submitted,

Rose Koch
Recording Secretary

APPROVED: _____



Committee Reports

BOARD OF DIRECTORS
INDIAN WELLS VALLEY WATER DISTRICT

WATER MANAGEMENT COMMITTEE
REGULAR MEETING

REPORT

THURSDAY, JULY 28, 2011 – 2:00 P.M.

GENERAL MANAGER'S OFFICE
500 W. RIDGECREST BLVD., RIDGECREST

Attendees: Leroy Corlett, Don Cortichiato, Tom Mulvihill, Jennifer Keep, Reneé Morquecho, Rose Koch, and Ambassador Judy Talbot

1. Call to Order

The meeting was called to order at 2:05 p.m.

2. Committee/Public Comments

Director Corlett reported that the District's request for Brackish Water Resources Study grant funding through the Inyo-Mono Regional Water Management Plan (IRWMP) has been removed from the projects list. The Regional Water Management Group does not know how much funding they will receive.

3. XERIC® Ambassador Report

Jennifer Keep informed the Committee that staff met with the Ambassadors this week to discuss procedures and any concerns the Ambassadors may have. Ground Rules for consultations and steps for proceeding with site visits were outlined. Yard diagrams are only drawn for those that are ready to begin their xeriscape work. The Ambassadors keep a detailed log of all of their site consultations which consisted of the date visited, Ambassadors present, detailed notes, and follow-up notes. This log will be updated every month to keep the District informed. The Ambassador's biggest need is for more Ambassadors. Suggestions were made on how to get the word out: District billing, local newspaper, emails, garden clubs, public agencies, garden club, and Eastern Kern County Resource Conservation District. Committee recommends Quarterly Reports for the Landscape Yard Visits instead of monthly and to keep the Board informed.

4. Conservation Specialist Report

Staff presented a report to the Committee of the Water Efficient Landscape Ordinance (WELO) Violation Notification Log produced by the Conservation Specialist. Report consists of the date, time, source of report, violation(s), whether verified, and how the violator was notified. All violators are contacted and follow-up is made. No fines have been issued.

5. Water Efficient Landscape Ordinance

A draft ordinance was reviewed to replace existing Ordinance No. 91 Requiring Water Efficient Landscape as a Condition of Receiving New Multi-Family Dwellings, Commercial and/or Institutional Water Service. Changes were discussed at the Board Workshop in June 2011.

Changes included the following:

1. Definitions: “Active Recreational Area”, “High Water Use Plants” and “Low Water Use Plants”
2. Changes to Section 3. Restrictions on Landscape
 - A. High Water Use Plants are only allowed in areas designated as Active Recreational Area. District reserves the right to approve and limit the size of the Active Recreational Area to an area determined to be reasonable in the sole discretion of the District.
 - B. Landscape Areas one thousand (1,000) square feet or more shall have separate meters or submeters installed for indoor and outdoor potable use.
 - C. High Water Use Plants are prohibited in median strips.
 - D. All High Water Use Plants shall have a minimum setback of four (4) feet from any sidewalk, driveway, street, road or adjoining property.
 - E. Any Landscape Area that is less than eight (8) feet in width in any direction shall be irrigated using drip irrigation or a Low Volume Irrigation System.
3. Changes to Section 4. Access/Inspection
 - A. Landowner agrees to allow District employees the right to access and inspect landowners Landscape Area to confirm landowner is in compliance with Ordinance _____ if District has good reason to believe that landowner’s Landscape Area is not in compliance with Ordinance _____.

Director Cortichiato suggested keeping Ridgecrest City Council informed by taking the draft ordinance to Kurt Wilson, City Administrator.

Staff mentioned that the Water Management Committee had discussed at a previous meeting removing multi-family units from this ordinance and placing it in the single-family dwelling ordinance. Committee discussed and agreed that multi-family dwellings consisting of 4 or more units will remain with the commercial and/or institutional and 3 or less units should be placed in with the single-family dwelling ordinance. Director Cortichiato suggested staff review the California Green Building Standards Code (*CALGreen*) for definition of multi-family units. Committee expressed concern about how to define multi-family units and how to keep that definition consistent with definitions elsewhere.

Staff will report back to the Committee with regards to meeting with Kurt Wilson and *CALGreen*.

6. Letter to Board of Directors dated June 20, 2011 from Judie Decker

Staff reviewed Ms. Decker's letter and made comments on the following items from her letter:

1. The UWMP "fails to discuss the overdraft condition that has existed in the IWV basin..."

Page 24 of the UWMP acknowledges the overdraft condition in the valley as part of the description of the Basin. Page 59 discusses the decreasing water levels in relation to water quality and total dissolved solids.

2. "The Department of Water Resources defines this continual overdraft condition as critical overdraft."

Bulletin 118 published by the Department of Water Resources in 2003 defines critical overdraft as the following (page 98):

A basin is subject to critical conditions of overdraft when continuation of present water management practices would probably result in significant adverse overdraft-related environmental, social, or economic impacts.

It goes on to say that:

Definition of the time frame is the responsibility of the local water managers, as is the definition of significant adverse impacts, which would be related to the local agency's management objectives.

Therefore, the decision of whether or not a basin is "subject to critical conditions of overdraft" is the responsibility of "local water managers."

3. "The pumping depression map that is attached to the Cooperative Groundwater management Plan is totally out of date and is inaccurate."

The purpose of the map (Figure 2) was to identify the area that the signatories agreed to limit water production. In order to update/change the map, the agreement would need to be renegotiated.

4. "Evidence for the failure to address our overdraft in a serious way can be found in many other places throughout this document. The 2005 UWMP cites the Robert Bean report of 1985 and the 1993 Bureau of Reclamation report. Neither report are cited here, nor is the report done by Randy Basset."

The UWMP is not a scientific document designed to review all the available literature on the subject of groundwater in the Basin. It is a planning document. Therefore, expecting all previous reports to be cited here is unrealistic. The AB303 Report, which Randy Bassett participates in, is cited on Page 59 of the Urban Water Management Plan.

5. “The 1993 (Bureau of Rec.) report lists blending, recycling and importing water as other methods to extend our supply. The District needs to commit fully to these additional approaches now...Waiting until 2035 to import water is ridiculous.”

The UWMP states on page 23 that the District “expects” groundwater to be the only source of water through the year 2035 and beyond. This does not mean that water importation will not be pursued before 2035 or that the District is not actively pursuing this option.

The 1993 BOR report made several recommendations for extending the life of the aquifer based on the best available data at the time. The estimates of aquifer life given in the report are based on specific assumptions that need to be updated and the calculated projections vary depending upon which management option is chosen. The report also listed several constraints and shortcoming of the report and recommended continued collection of water level and water quality data. Many recommendations made in the report have been pursued such as moving pumping to the Southwest after pump testing, continue water level monitoring in the Basin, collect isotope data from the monitoring wells, installing surface flow gauges in the lower drainage of several watersheds in the Sierra Nevada, and further study into the water quality in the Northwest area.

6. “Using the Ground Water Management Cooperative Management Plan from 2006 (Appendix E) as evidence of a Valley wide management plan is totally misleading.”

According to DWR (verbally via the TAC), the voluntary Cooperative Groundwater Management Plan for the Indian Wells Valley meets their definition of a “groundwater management plan”. The Water Code makes no requirement that the plan or group have “legal power”.

7. “The UWMP shows a growth rate that is inaccurate.”

Population estimates were obtained from the Kern Council of Governments. The UWMP requires that “population estimates be based upon data from state, regional or local service agency population projections”. Although BRAC is not specifically mentioned in the UWMP, the Navy continues to state that more BRAC positions will arrive at China Lake. The District can only rely on official information from the Navy.

7. Future Agenda Items

Water Replenishment District Discussion

8. Adjournment

Meeting was adjourned at 3:40 p.m.

c: Board Keep Morquecho Koch
Mulvihill DeGano File Committee Binder

BOARD OF DIRECTORS
INDIAN WELLS VALLEY WATER DISTRICT

PLANT AND EQUIPMENT
REGULAR COMMITTEE REPORT

TUESDAY, AUGUST 2, 2011 – 3:30 PM

BOARD ROOM
500 W. RIDGECREST BLVD., RIDGECREST

Attendees: Leroy Corlett, Peter Brown, Renee Morquecho, Tom Mulvihill, Larry DeGano, Jennifer Keep, Travis Reed and Chuck Krieger via telephone .

1. Call to Order

The meeting was called to order at 3:34 p.m.

2. Committee/Public Comments

None.

3. Concept Plan Approval: T. Metcalf Construction. TRACT 7050

The Committee reviewed the concept plan and results of hydraulic modeling presented by Staff. The 81 unit subdivision across from Las Flores school will not cause flow (normal or fire) or pressure problems in the area during a day of maximum demand. The Committee recommended acceptance of the Concept Plan.

4. Acceptance Of Contract Work and Approval of Change Order No. 2: Best Drilling & Pump

All work performed by Best Drilling & Pump for construction of Butterworth Ranch replacement irrigation Wells 1A and 2A has been completed. The adjusted contract amount is \$265,490.00. Change Order No. 2 reflects an adjustment in Contract Completion Dates for contractor's performance of remedial work related to pump base construction. The time extension did not impact the overall project schedule nor did it result in additional costs to the District. Subsequent to Board acceptance, a Notice of Completion will be filed with Inyo County and thereafter, following the lien period, the District will make final payment. The Committee recommended acceptance of the Contract work by Best Drilling & Pump and approval of Change Order No. 2.

5. Acceptance of Contract Work: Bakersfield Well & Pump

All work performed by Bakersfield Well & Pump in furnishing and installing the Butterworth Ranch replacement irrigation wells pumping units and equipment has been completed. There were two Change Orders for upgrades in electrical equipment for the wells. The final adjusted contract amount is \$87,745.00. Subsequent to Board acceptance, a Notice of Completion will be filed with Inyo County and thereafter, the District will make final payment. The Committee recommended acceptance of Contract Work by Bakersfield Well & Pump.

6. Water Supply Improvement Plan – Objectives of the Plan

The Committee reviewed several options for modification to the WSIP Project Description based on revised population projections as set forth in the District's Urban Water Management Plan and revised peaking factors based on historic demand from 2004 to 2010. Since Layne Geosciences completed its hydrogeological evaluation and Technical Memorandum in April 2010, population projections, especially those attributed to Navy BRAC positions, have changed. Staff recommended going forward with updated demand and capacity projections based on a conservative peaking factor of 2.0 which reflects the standard in desert communities and the District's own experience in 2004. The Committee agreed with staff's recommendation and requested inclusion of this item under "General Manger and Staff Update" during the next Board meeting.

7. Krieger and Stewart Work Orders 31G and 31H, Wells 9A/10 and Wells 11/14 Arsenic Removal Facilities and Well Pumping Plant No. 34: Construction Engineering Services

Work Order 31G is for continued construction phase engineering services and construction inspection and was provided for in a \$90,000.00 credit from Pascal & Ludwig with Change Order 15 that extended the completion date for the project to March 31, 2011. Subsequently, Krieger & Stewart has continued to incur costs related to continued construction activities by Pascal & Ludwig beyond the March 31, 2011 completion date. Work Order 31H is to cover these continuing costs through August 31, 2011. Chuck Krieger emphasized that he believes this is a conservative estimate and that actual costs will be under \$200,000.00. Engineering services and inspection have greatly decreased since initial startup began and Krieger & Stewart is making a conscious effort to be on site only when necessary for inspection. The Committee recommended approval of Work Order 31G for \$84,000.00 and Work Order 31H for \$200,000.00.

8. Krieger and Stewart Work Order 16B, Butterworth Irrigation System Improvements (Wells 1A and 2A)

Work Order 16B is for engineering and construction services for construction of two new irrigation wells at Butterworth Ranch in Olancho. Due to the urgency of the project, a work order for these services was not executed earlier due to the uncertainty of what the final costs would be. Krieger & Stewart had prepared an estimate for these services back in March and the costs were estimated at \$93,429.60. The District has already paid \$51,221.00 of the \$99,163.35 fee listed in Work Order 16B. The Committee recommended approval of Work Order 16B in the amount of \$99,163.35.

9. District Ready to Serve Charge

Director Corlett expressed a concern that the current Ready to Serve Charge (not including the part for arsenic treatment) is not covering the District's fixed costs. The current Ready to Serve Charge was broken into two separate charges during the last Cost of Service Study performed by Bartle Wells. At the time the Board was interested in showing on the bill what customers were paying towards mandatory arsenic treatment. The only way to do this was determine a fixed cost and separate it out of the ready to serve charge. Although arsenic treatment costs vary with the amount of water produced, it would have been difficult to show a variable cost on the water bill. After much discussion, the Committee agreed that a new or updated cost of service study will be needed soon, but the District should wait until after the summer season to have the most recent sales numbers available for the study. Director Corlett would like to start as soon as possible and would like to see the District create a timeline for the cost of service study now. The Committee requested this item be placed on the agenda for the next Board meeting. The Committee also agreed a cost of service study could begin around November 15th.

10. Geographic Information System Needs Assessment Recommendation

The District received seven responses to the Request for Proposals for a Geographic Information System Needs Assessment. After narrowing down the choices to four firms, performing reference checking and interviewing three firms, staff has chosen a preferred consultant, DCSE, Inc. of Laguna Hills. Although the District budgeted \$25,000.00 for this project, staff recommends the District postpone the needs assessment to a time when implementation of a GIS system can also be budgeted. This way the cost benefit analysis performed by the consultant as part of the needs assessment will be as timely and accurate as possible. The Committee agreed with staff's recommendation and asked that this item be added to the "General Manager & Staff Update" portion of the next Board meeting.

11. Capital Improvement Projects Update

a. Arsenic Treatment Facilities/Well 34

Since the District, along with Krieger and Stewart, met with Pascal & Ludwig and Filtronics on July 20, 2011, significant progress has been made towards the goal of "substantial project completion" of both treatment plants. This was defined as "reliable operation of plants in automatic mode without the need for manual „work-arounds' and without the need for operations staff to remain on site (or be repeatedly called out to the site) during operation". Only a few significant items remain to be completed in order to meet this goal. Operations staff is satisfied with the progress being made.

12. Mainline Replacement Program:

a. Burns from Mahan to Brady

This project has been completed. Kern County's contractor began grading in preparation for paving yesterday.

13. Regulatory Compliance

There are no special regulatory compliance issues to discuss at this time. The District's next arsenic compliance notice is schedule to be mailed in September.

Future Agenda Items

- Well 17 Discharge Permit
- Surplus Items
- Well 13 Site Beautification
- Emergency Preparedness

14. Adjournment

The meeting was adjourned at 5:10 pm.

c:	Brown	Morquecho	Lillion	Post	Krieger
	Corlett	DeGano	Koch	Committee Binder	Keep
	Mulvihill	Calendar	Board	File	

BOARD OF DIRECTORS
INDIAN WELLS VALLEY WATER DISTRICT

FINANCE COMMITTEE
REGULAR MEETING

REPORT

Thursday, August 4, 2011 – 2:30 PM

BOARD ROOM
500 W. RIDGECREST BLVD., RIDGECREST

ATTENDEES: Don Cortichiato, Peggy Breeden, Tom Mulvihill, Renee Morquecho, and Jennifer Keep

1. Call to Order

The Finance Committee Meeting was called to order at 2:32 pm.

2. Committee/Public Comments

None.

3. Budget Transfers

The District cannot overspend total budgeted expenses, but occasionally actual expenses will exceed line items. As a result, staff will first try to cover the expense using other line items in the existing budget and report the changes to the Finance Committee. If the overall budget for expenses needs to be increased, the request will be brought to the full Board for approval. This can be done at mid-year review

Since the 2011-2012 General Fund Budget was approved in June 2011, staff has identified five line item budgets that will not adequately cover the expense. The adjustments are as follows:

Account	Increase/(Decrease)	Reason
Memberships	\$3,000	Cancellation of CSDA membership will result in loss of insurance coverage through SDRMA
Butterworth Ranch	\$5,000	Replace monitoring equipment that is no longer supported by the manufacturer
Misc Consultants	\$1,000	Early cancellation of Federal lobbyist contract ended July 2011
Hazardous Waste Management	\$1,000	Reclassify expense from Office & Shop Utilities to the account for Hazardous Waste Disposal
Arsenic Lab Analysis	\$1,000	Set up separate budget to record weekly lab tests required by CDPH for arsenic plants

4. Meter Reading Schedules

Staff reported that following the July 7, 2011 Finance Committee meeting, it created a reading schedule for fiscal year 2011-2012. Accounting for weekends, holidays and billing requirements, the schedule is designed to keep days between reads no less than 28 and no more than 32 (30 days +/- 2 days). From July 2011 through December 2011, meter reading must begin at the end of the month in order to maintain the targeted days between reads. In order to get the reading schedule so that it starts at the beginning of the month, reading will begin January 3, 2012 and that billing cycle will have up to 34 days between reads. This change was postponed until January when water usage is generally lower due to the winter weather and before new rates take effect.

5. Allowances for Specific Unanticipated Use Policy Review

The Committee reviewed the 2009-2010 and 2010-2011 reports for unanticipated use credits issued to customers. 2009-2010 credits totaled \$7,954.13 and 2010-2011 credits totaled \$8,343.10. The Allowances for Specific Unanticipated Use Policy, which was approved in October 2001, was reviewed by the Committee. The Committee agreed that the policy is still applicable today and recommends staff continue to apply the policy consistently and with common sense.

6. Financial Statements, June 30, 2011

The Committee reviewed the District's unaudited financial statements as of June 30, 2011. 100% of the year has passed. The District collected 92% of budgeted revenues. This 8% decrease is representative of ~\$724,000. In anticipation of the revenue shortfall, staff implemented a spending freeze and postponed numerous projects. As a result, year to date expenses were only 89% of budget. Total revenues were less than total expenses showing a deficit of ~\$412,000, which is ~\$386,000 less than anticipated deficit of ~\$798,000 that was included in the mid-year budget projection. Staff noted that the reduced deficit benefits 2010-2011 cash flow but would not impact the \$1.33 million 2011-2012 budgeted deficit.

7. Accounts Payable

The Committee recommended approval of accounts payable disbursements as follows:

Checks through:	<u>7/11/11</u>	<u>7/25/11</u>
Prepaid	\$117,758.89	\$140,321.52
Current	<u>85,671.75</u>	<u>184,293.29</u>
Total	<u>\$203,430.64</u>	<u>\$324,614.81</u>

8. Future Agenda Items

- Policies: Cell Phone and Vehicle Replacement & Maintenance
- Cost Accounting
- City of Ridgecrest Vehicle Maintenance Program
- Consultant Engineer Rate Survey
- Rate Structure Modifications

9. Adjournment

The Committee adjourned at 3:00 pm.

cc:	Breeden	Keep	Morquecho	Post	Binder
	Cortichiato	Koch		Calendar	File
	Mulvihill	DeGano	Kight	Board	



8.C.1.



INDIAN WELLS VALLEY WATER DISTRICT

MEMORANDUM

To: Renee Morquecho
From: Travis Reed
Date: 8/2/11
RE: Hydraulic Modeling of TTM 7050

Utilizing our hydraulic model in H₂OMAP, I modeled the effects on our system of Tentative Tract 7050 during a normal day and a max day with fire flow. I found that under both conditions the system can sustain adequate pressure and fire flow.

Normal Days Flow:

Tract 7050 proposes 81 new connections to our system. The national average for water use per connection is one acre foot per year. Utilizing this data, and converting from acre feet to gallons per minute I found that the tract would use 50.21 gpm. I modeled the Tract using 8 new demand nodes, thus equating to 6.28 gpm per node. With this newly added demand the system functioned smoothly and maintained a pressure well within district standards (approx 45 psi to 63 psi).

Max Day with Fire Flow

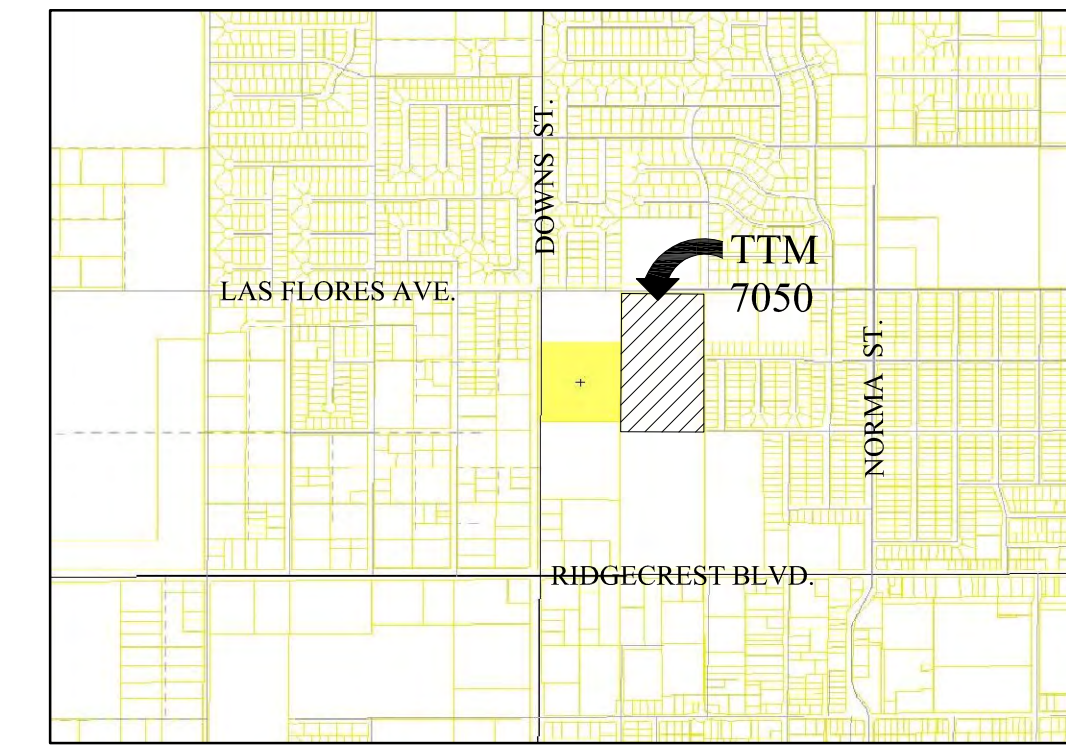
Standard fire flow requirements for Kern and San Bernardino Counties were modeled at 4000 gpm. A 4000 gpm 90 minute fire flow demand was added to 3 nodes within the Tract. This means three residential fires would be happening simultaneously. The minimum system residual pressure was set to 20 psi, ensuring there couldn't be any system contamination from a loss in pressure. During the simulation, the system maintained the required minimum 20 psi and still had adequate flow and storage to provide water to all surrounding areas.

WATER MAIN CONCEPT PLAN

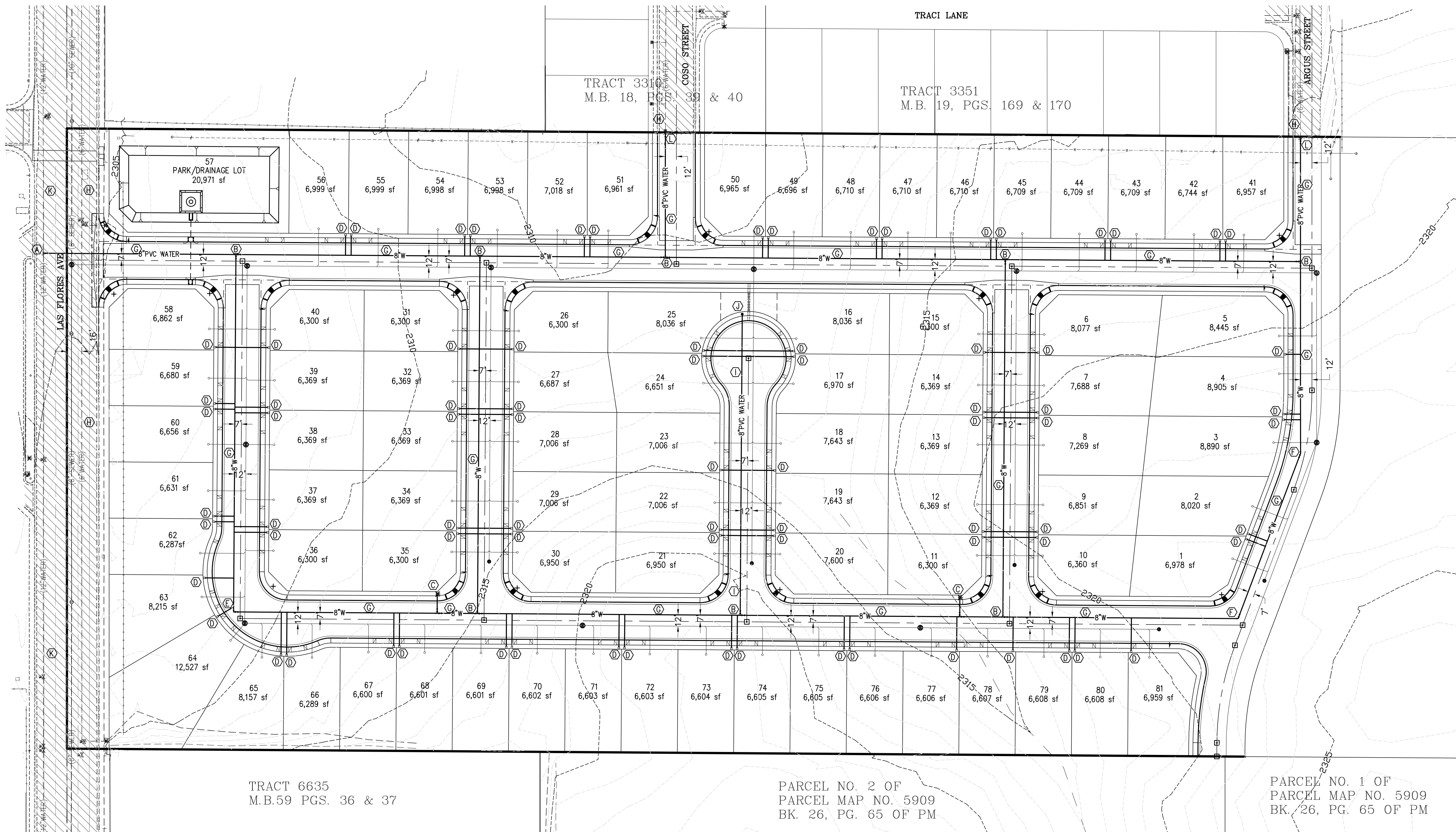
TRACT 7050

CITY OF RIDGECREST

STATE OF CALIFORNIA

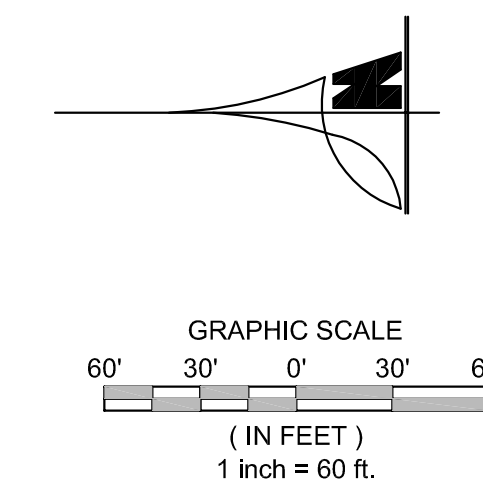


VICINITY MAP
NOT TO SCALE



CONSTRUCTION NOTES

- (A) INSTALL 12"x8" HOT TAP W/ 8" GATE VALVE
- (B) INSTALL 8" TEE W/ 8" GATE VALVE(S)
- (C) INSTALL FIRE HYDRANT ASSEMBLY
- (D) INSTALL WATER SERVICE AND METER
- (E) INSTALL 90° ELBOW W/ 8" GATE VALVE
- (F) INSTALL 22.5° ELBOW W/ 8" GATE VALVE
- (G) INSTALL 8" PVC WATER MAIN
- (H) EXISTING 6" PVC WATER MAIN
- (I) INSTALL 6" PVC WATER MAIN
- (J) INSTALL AIR RELEASE VALVE ASSEMBLY
- (K) EXISTING 12" PVC WATER MAIN
- (L) TIE-IN TO EXISTING 6" WATER LINE



<p>BY: _____</p> <p>REVISION: _____</p> <p>NO. DATE: _____</p>	<p style="text-align: center;">CORNERSTONE ENGINEERING, INC.</p> <p style="text-align: center; font-size: small;">208 OAK STREET BAKERSFIELD, CA 93304 TEL: (805) 332-0125 FAX: (805) 332-3490 WWW.CORNERSTONEENG.COM</p> <p style="text-align: center; font-size: small;">CONSULTING CIVIL ENGINEERING AND LAND SURVEYING</p>
<p>DEVELOPMENT BY:</p> <p style="font-size: large;">T. METCALF</p> <p style="font-size: large;">CONSTRUCTION, INC.</p> <p style="font-size: small;">73-4273 HILUKOA DRIVE KAULUA-KONA, HI 96740</p>	
<p style="font-size: large;">WATER MAIN</p> <p style="font-size: large;">CONCEPT PLAN</p> <p style="font-size: large;">TRACT 7050</p>	
<p>DESIGNER: JEM</p> <p>CHECKED BY: DGW</p> <p>DATE: 7/20/11</p> <p>DRAFTER: DGW</p> <p>SCALE: 1" = 60'</p> <p>COMP NO: 0980100_WTR_LAYOUT</p> <p>JOB NO: 098-01-00</p>	
SHEET	OF
1	1

UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

BASIS OF BEARING:
THE BEARING OF N00°23'45"E FOR THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 26 SOUTH, RANGE 40 EAST, M.D.B.&M. AS SHOWN ON PM 5909, PER MAP RECORDED IN BOOK 26, PAGE 65 OF PM IN THE OFFICE OF THE KERN COUNTY RECORDER, WAS TAKEN AS BASIS OF BEARINGS SHOWN HEREON.

BENCH MARK:
FOUND CHISELED SQUARE (BOX) ON TOP OF CURB AT THE NORTHWEST CORNER OF DOWNS & LAS FLORES, NORTHWEST CURB RETURN. CITY OF RIDGECREST BENCHMARK #19
ELEVATION = 2316.024 FEET



8.C.2.

MEMORANDUM

TO: TOM F. MULVIHILL
RENEE E. MORQUECHO
INDIAN WELLS VALLEY WATER DISTRICT

FILE: 178-45.4.6 F/C

FROM: CHARLES A. KRIEGER *CKK*
SABRINA A. NIES *SAN*
KRIEGER & STEWART, INCORPORATED

DATE: 7/27/2011
(REVISED 8/2/2011)

SUBJECT: CONSTRUCTION OF BUTTERWORTH RANCH REPLACEMENT
IRRIGATION WELLS 1A AND 2A
RECOMMENDATION OF ACCEPTANCE OF CONTRACT WORK

All work performed by Best Drilling and Pump, Inc. has been essentially completed and the adjusted Contract Amount for same is set forth as follows:

Original Contract	\$269,290.00
Contract Change Order No. 1	(\$3,800.00)
Proposed Contract Change Order No. 2	\$0.00
Adjusted Contract	<u>\$265,490.00</u>

Contract Change Order No. 1 is attributable to adjustments to base bid items to reflect actual construction. Proposed Contract Change Order No. 2 (attached) reflects an adjustment to the Contract Completion Dates for Contractor's performance of remedial work related to pump base construction; time extension did not impact the overall project schedule nor did it result in additional costs to District.

Since the Contract Work has been performed in accordance with the Contract Documents, we recommend the District execute Contract Change Order No. 2 and accept said work in the amount of \$265,490.00. Subsequent to Board acceptance, a Notice of Completion will be filed and thereafter, following the lien period, the District will make final payment (i.e. release retained amount from escrow account).

If you have any questions, or require additional information, please call.

SAN/lgm
178-45P4P6-RECACCEPT

Attachment: Contract Change Order No. 2

cc: Jim Worth, McMurtrey, Hartsock, & Worth

CONTRACT CHANGE ORDER NO. 2


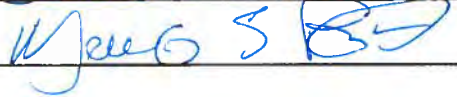
K&S W.O. 178-45.4.6 F/C

To Contract: Constructing Butterworth Ranch Replacement Irrigation Wells 1A and 2A, dated January 26, 2011
 by and between: Indian Wells Valley Water District (OWNER),
 and: Best Drilling and Pump, Inc. (CONTRACTOR),

Contractor is hereby directed to make the following change in Contract Work:

Item No.	Description of Change	Decrease \$	Increase \$
1.	Extend Contract Completion Date to April 29, 2011 (49 calendar days) for Well 1A resulting from Contractor's performance of remedial work.	-	-
2.	Extend Contract Completion Date to April 29, 2011 (21 calendar days) for Well 2A resulting from Contractor's performance of remedial work.	-	-
Total Decrease in Contract Amount:		\$0.00	
Total Increase in Contract Amount:			\$0.00
Net Change in Contract Amount:		\$0.00	
Contract Amount Prior to Change:		\$265,490.00	
Contract Amount Adjusted for Change:		\$265,490.00	

By reason of Change Order No. 2, time of completion shall be adjusted as follows: 49 calendar days for Well 1A and 21 calendar days for Well 2A. Adjusted Contract Completion Date for both Well 1A and Well 2A shall be April 29, 2011. All provisions of the Contract shall apply hereto, and shall become effective when fully executed (signed and dated) by both parties.

Recommended by (Engineer)  Date: 8/2/2011
 Accepted by (Contractor)  Date: 8/2/2011
 Approved by (Owner) _____ Date: _____

Remarks _____



8.C.3.

MEMORANDUM

DATE: AUGUST 2, 2011

TO: TOM MULVIHILL AND
BOARD OF DIRECTORS

FROM: RENEE MORQUECHO
DISTRICT ENGINEER

SUBJECT: FURNISHING AND INSTALLING BUTTERWORTH RANCH
REPLACEMENT IRRIGATION WELLS 1A AND 2A PUMPING UNIT
EQUIPMENT
RECOMMENDATION OF ACCEPTANCE OF CONTRACT WORK

All work performed by Bakersfield Well & Pump (BW&P) has been completed and the adjusted Contract Amount for the same is set forth as follows:

Original Contract Amount	\$82,300.00
Contract Change Order No. 1	\$1,800.00
Contract Change Order No. 2	<u>\$3,645.00</u>
Adjusted Contract Amount	\$87,745.00

Contract Change Order No. 1 was additional repair work to the electrical panel for Well 1A. Finding parts to repair the original panel was going to take too much time; therefore the decision was made to replace the entire panel. The \$1,800.00 reflects a credit for the items that had already been purchased for repair of the original electrical panel.

Contract Change order No. 2 was for replacement of Well 2A pump panel and overload relay. Replacement of these items was not part of the original contract.

The District did not receive any Preliminary Notices or Stop Notices from any subcontractors or suppliers. Since the Contract Work has been completed in accordance with the Contract Documents, I recommend the Board accept said work in the amount of \$87,745.00. Subsequent to Board acceptance, a Notice of Completion will be filed, and thereafter, the District will make final payment (i.e. release 10% retention).

Please advise if you have questions or require additional information.



8.C.4.

WORK ORDER

Indian Wells Valley Water District
P.O. Box 1329
Ridgecrest, CA 93556-1329
(760) 375-5086

K&S Project (Billable) No. 178-128.6
K&S File No. 178-128.1A/128.6A
Consultant Work Order No. 31G

Consultant's Name: Krieger & Stewart, Incorporated
Address: 3602 University Avenue
City, State, Zip: Riverside, CA 92501
Office Phone: (951) 684-6900
Fax: (951) 684-6986

Not to Exceed Fee: \$84,000.00
Completion Date: March 31, 2011
Liaison's Name: Charles A. Krieger
Liaison's Phone: (951) 684-6900

Project Name: Wells 9A/10 and Wells 11/13 Arsenic Removal Facilities and Well Pumping Plant
No. 34: Construction Engineering Services

Description: Continued Construction Phase Engineering Services for Item 4 (Contract Administration)
and Item 6 (Construction Inspection) as described in Work Order 31C based on a Contract Completion
Date of March 31, 2011 per Construction Contract Change Order No. 15.

The Work(s) to be performed, time of performance, and not to exceed compensation shall be performed in accordance with the "Master Agreement" dated April 10, 2001 with services billed in accordance with Krieger & Stewart's 2009 Fee Schedule. Consultant certifies that as of the date of execution of this Work Order all insurance is as stated in the "Master Agreement" and will be maintained in good standing for the term of this Work Order.

INDIAN WELLS VALLEY
WATER DISTRICT

KRIEGER & STEWART, INCORPORATED

By: _____
Name: Tom F. Mulvihill
Title: General Manager
Date: _____

By: Charles A. Krieger
Name: Charles A. Krieger
Title: President
Date: 22 July 2011

WORK ORDER

Indian Wells Valley Water District
P.O. Box 1329
Ridgecrest, CA 93556-1329
(760) 375-5086

K&S Project (Billable) No. 178-128.6
K&S File No. 178-128.1A/128.6A
Consultant Work Order No. 31H

Consultant's Name: Krieger & Stewart, Incorporated Not to Exceed Fee: \$200,000.00 (estimated)
Address: 3602 University Avenue Completion Date: August 31, 2011 (estimated)
City, State, Zip: Riverside, CA 92501 Liaison's Name: Charles A. Krieger
Office Phone: (951) 684-6900 Liaison's Phone: (951) 684-6900
Fax: (951) 684-6986

Project Name: Wells 9A/10 and Wells 11/13 Arsenic Removal Facilities and Well Pumping Plant
No. 34: Construction Engineering Services

Description: Continued Construction Phase Engineering Services for Item 4 (Contract Administration)
and Item 6 (Construction Inspection) as described in Work Order 31C and as related to continued
construction activities by project contractor beyond the Completion Date of March 31, 2011 as
established by Contract Change Order No. 15.

The Work(s) to be performed, time of performance, and not to exceed compensation shall be performed in accordance with the "Master Agreement" dated April 10, 2001 with services billed in accordance with Krieger & Stewart's 2009 Fee Schedule. Consultant certifies that as of the date of execution of this Work Order all insurance is as stated in the "Master Agreement" and will be maintained in good standing for the term of this Work Order.

INDIAN WELLS VALLEY
WATER DISTRICT

KRIEGER & STEWART, INCORPORATED

By: _____
Name: Tom F. Mulvihill
Title: General Manager
Date: _____

By: Charles A. Krieger
Name: Charles A. Krieger
Title: President
Date: 22 July 2011



8.C.5.

WORK ORDER

Indian Wells Valley Water District
P.O. Box 1329
Ridgecrest, CA 93556-1329
(760) 375-5086

K&S Project (Billable) No. 178-45.4.6
K&S File No. 178-45.4.6
Consultant Work Order No. 16B

Consultant's Name: Krieger & Stewart, Incorporated Not to Exceed Fee: \$99,163.35
Address: 3602 University Avenue Liaison's Name: Charles A. Krieger
City, State, Zip: Riverside, CA 92501 Liaison's Phone: (951) 684-6900
Office Phone: (951) 684-6900 Fax: (951) 684-6986

Project Name: Butterworth Ranch Replacement Irrigation Wells 1A and 2A

Description: _____

(See Work Order No. 16B Exhibit "A", attached)

The Work(s) to be performed, time of performance, and not to exceed compensation shall be as described in Exhibit "A" attached hereto and made a part hereof and shall be performed in accordance with the "Master Agreement" dated April 10, 2001 with services billed in accordance with Krieger & Stewart's 2009 Fee Schedule. Consultant certifies that as of the date of execution of this Work Order all insurance is as stated in the "Master Agreement" and will be maintained in good standing for the term of this Work Order.

INDIAN WELLS VALLEY
WATER DISTRICT

KRIEGER & STEWART, INCORPORATED

By: _____
Name: Tom F. Mulvihill
Title: General Manager
Date: _____

By: Charles A. Krieger
Name: Charles A. Krieger
Title: President
Date: 29 July 2011

WORK ORDER NO. 16B
EXHIBIT "A"
INDIAN WELLS VALLEY WATER DISTRICT
BUTTERWORTH RANCH REPLACEMENT IRRIGATION WELLS 1A AND 2A
SCOPE OF SERVICES

Engineering services for construction of two new irrigation wells consist of the following:

1. Meetings with District Staff
2. Preparation of CEQA Documents (Notice of Exemption and Preliminary Exemption Assessment Preparation for Each Well)
3. Preparation of Contract Documents
4. Bidding Phase Support
5. Construction Engineering and Screen/Gravel Pack Design

Our services during construction consist of: conducting the preconstruction meeting; providing construction inspection; preparing well casing (blank and screen) and gravel pack design; reviewing and approving the contractor's materials submittals (well casing, well screen, and gravel pack); and providing all contract administration (e.g. partial payment requests and correspondence with the contractor). The primary components of our well design and construction engineering services are as follows:

- a. Preconstruction Conference
 - b. Contract Administration
 - c. Conductor Casing and Sanitary Seal Construction
 - d. Well Bore Construction
 - e. Geophysical Logs and Formation Analysis
 - f. Well Design and Materials Specifications/Submittals Review
 - g. Well Construction
 - h. Mechanical Well Development
 - j. Pumping/Surging Well Development
 - j. Test Pumping
 - k. Construction of Well Pump Base
 - l. Site Cleanup/Well Disinfection and Video/Alignment/Plumbness Surveys
 - m. Site Meetings with District Staff and LADWP to Confirm Existing Site Electrical
 - n. Site Meetings with Resident Farmer to Confirm Existing Sprinkler System Layout
6. Design and Construction Engineering for New Pumping Units and Related Facilities

The primary components of our design and construction engineering services are as follows:

- a. Preparation of Discharge Piping Layouts for Wells 1A and 2A
- b. Preparation of Bidding Documents for Wells 1A and 2A Pumping Unit Equipment and Bidding Phase Support

WORK ORDER NO. 16B
EXHIBIT "A"
INDIAN WELLS VALLEY WATER DISTRICT
BUTTERWORTH RANCH REPLACEMENT IRRIGATION WELLS 1A AND 2A
SCOPE OF SERVICES

- c. Coordination with District Staff, Layne Christensen, and Resident Farmer during Bidding Document Preparation
 - d. Submittal Review (i.e. Pumping Units)
7. Coordination with Bakersfield Well & Pump, District Staff, and LADWP during Pumping Unit Equipment Installation
8. Coordination, Correspondence, and Teleconferences with District Staff Regarding District Staff Field Inspection

AGMT/TO/J178/178-45P4P6-WO16B-EX-A.DOC



8.D.

RESOLUTION NO. 11-03

**A RESOLUTION OF THE GOVERNING BODY OF THE
Indian Wells Valley Water District
FOR THE ELECTION OF DIRECTORS TO THE SPECIAL DISTRICT
RISK MANAGEMENT AUTHORITY BOARD OF DIRECTORS**

WHEREAS, Special District Risk Management Authority (SDRMA) is a Joint Powers Authority formed under California Government Code Section 6500 et seq., for the purpose of providing risk management and risk financing for California special districts and other local government agencies; and

WHEREAS, SDRMA's Sixth Amended and Restated Joint Powers Agreement specifies SDRMA shall be governed by a seven member Board of Directors nominated and elected from the members who have executed the current operative agreement and are participating in a joint protection program; and

WHEREAS, SDRMA's Sixth Amended and Restated Joint Powers Agreement Article 7 - Board of Directors specifies that the procedures for director elections shall be established by SDRMA's Board of Directors; and

WHEREAS, SDRMA's Board of Directors approved Policy No. 2011-02 Establishing Guidelines for Director Elections specifies director qualifications, terms of office and election requirements; and

WHEREAS, Policy No. 2011-02 specifies that member agencies desiring to participate in the balloting and election of candidates to serve on SDRMA's Board of Directors must be made by resolution adopted by the member agency's governing body.

NOW, THEREFORE, BE IT RESOLVED that the governing body of the Indian Wells Valley Water District selects the following candidates to serve as Directors on the SDRMA Board of Directors:

(continued)



**OFFICIAL 2011 ELECTION BALLOT
SPECIAL DISTRICT RISK MANAGEMENT AUTHORITY
BOARD OF DIRECTORS**

VOTE FOR ONLY THREE (3) CANDIDATES

Mark each selection directly onto the ballot, voting for no more than three (3) candidates. Each candidate may receive only one (1) vote per ballot. A ballot received with more than three (3) candidates selected will be considered invalid and not counted. All ballots must be sealed and received by mail or hand delivery in the enclosed self-addressed, stamped envelope at SDRMA on or before 5:00 p.m., Friday, September 16, 2011. Faxes or electronic transmissions are NOT acceptable.

- SANDY RAFFELSON**
District Clerk, Herlong Public Utility District
- EMERY ROSS**
Director, Mariposa County Resource Conservation District
- MIKE SCHEAFER**
Director/Secretary, Costa Mesa Sanitary District
- EDMUND K. SPRAGUE (INCUMBENT)**
Board President, Olivenhain Municipal Water District
- ED GRAY (INCUMBENT)**
Director, Chino Valley Independent Fire District
- BETHZABE YANEZ**
Board President, East Palo Alto Sanitary District
- TERRY BURKHART**
Board President, Bighorn-Desert View Water Agency

ADOPTED this 8th day of August, 2011 by the Indian Wells Valley Water District by the following roll call votes listed by name:

AYES: _____

NOES: _____

ABSTAIN: _____

ABSENT: _____

ATTEST:

APPROVED:



8.E.

From: [Alice Lauritzen](#)
To: [Alice S. Lauritzen](#)
Subject: Eastern Sierra Connect request for Endorsement Letter
Date: Tuesday, August 02, 2011 4:14:34 PM

FACT SHEET and REQUEST FOR LETTER OF ENDORSEMENT

Background

- Infrastructure gaps are present in all regions of California, including areas along the Eastern Sierra (Mono, Inyo and eastern Kern counties), especially related to socio-economic, age, and cultural factors, as well as rural, high unemployment and developing areas, resulting in a persistent “Digital Divide.”
- Closing these gaps requires a systematic and strategic approach to broadband access and investment that a multi-stakeholder collaborative and regional-scale approach can provide.
- SB 1040 was signed into law September 25, 2010 to address the “Digital Divide” in California, and is administered by the California Public Utilities Commission (CPUC).

About SB 1040

SB 1040 expands the CPUC California Advances Services Fund (CASF) by creating the *Rural and Urban Regional Broadband Consortia Grant Account*, which provides funds to support one regional consortium per geographic region to support broadband deployment efforts. CASF grant funds are now available.

Eastern Sierra Connect Consortium

The Eastern Sierra Connect Broadband Consortium is now preparing the CASF Grant Application to serve the Eastern Sierra region. If the CPUC approves the ESC Consortium grant, the Eastern Sierra region will be better suited for future funding phases, which include CPUC’s infrastructure fund and revolving loan fund for capital broadband-related infrastructure projects.

Your support is needed! Please take action.

The CPUC grant requires broad and diverse public-private support through consortium support and endorsement letters. A variety of support is needed from cities, public agencies, community-based groups, healthcare groups/hospitals, libraries, businesses, technology providers and others.

Provide an endorsement letter. Your endorsement is important as a broadband supporter in the eastern Sierra. Once the grant is awarded, you will receive regular information about the ESCB Consortium activities and will be encouraged to participate at various levels, providing input and expertise as part of the consortium’s broadband policy and action plan. A draft Endorsement Letter is attached to assist you in offering support.

In order to meet the grant deadline, please return your signed and scanned ESCB Consortium Endorsement letter by August 8, 2011 to Alice Lauritzen, dmrcandd@iwvisp.com, followed by mailing a hard copy to 1259 E. Ridgecrest Blvd, #7, Ridgecrest, CA 93555.

We thank you for your support and assistance.

Alice S. Lauritzen
Administrative Assistant
Desert Mountain RC&D Council
1259 E. Ridgecrest Blvd, #7
Ridgecrest, CA 93555
Voice: 760/446-1974
www.desertmountainrcandd.org

<https://sites.google.com/site/dmrcandd/>

INDIAN WELLS VALLEY WATER DISTRICT

BOARD OF DIRECTORS

Harold W. Manning, President
Peggy Breeden, Vice President
Peter Brown
Leroy Corlett
Donald J. Cortichiato

Thomas F. Mulvihill
General Manager
Krieger & Stewart, Incorporated
Engineers
McMurtrey, Hartsock & Worth
Attorneys-at-Law

August 9, 2011

CPUC Communications Division
Attn: CASF Consortia Grant Account
505 Van Ness Ave., Third Floor
San Francisco, CA 94102

RE: Endorsement of the Eastern Sierra Connect Regional Broadband Consortium

To Whom It May Concern:

I'm writing on behalf of the Indian Wells Valley Water District Board of Directors to express support for the Eastern Sierra Connect (ESC) Regional Broadband Consortium grant application for California Advances Services Funding (CASF) for the next three years. For the past year, ESC has led the ongoing effort to make broadband Internet available to all residents in the three county regions of Mono, Inyo and Eastern Kern.

The Indian Wells Valley Water District, located in Eastern Kern County, provides service to approximately 12,000 connections within the District's approximate 30 square miles. The sole source of potable water for the District's customers is groundwater.

Affordable broadband access and adoption are essential to meeting our mission! Most communities in Eastern Kern County are underserved and many of the underserved communities only have dialup or slow wireless coverage dramatically affecting the business environment, education institutions, telehealth access, and emergency services. Closing the digital divide in the Eastern Sierra region will require a systematic and strategic approach to broadband access that only investment in a multi-party collaborative, regional-scale approach can provide.

On August 8th, 2011 at the Indian Wells Valley Water District's Regular Board Meeting the Board of Directors (Board) gave their support to this effort. The Board sincerely hopes the CPUC will provide funding for the Eastern Sierra Connect Consortium. Thank you for your consideration.

Sincerely,

Tom Mulvihill
General Manager



8.F.2.

**BOARD OF DIRECTORS
INDIAN WELLS VALLEY WATER DISTRICT**

AGENDA ITEM: Water Supply Improvement Plan – Objectives of the Plan

Committee: Plant & Equipment

Background:

The District has projected that its current groundwater production capacity will be inadequate to accommodate predicted future population growth (demands) as presented in the District’s 2010 Urban Water Management Plan (UWMP) and will not provide the required 20% production capacity redundancy. This redundancy is needed, not to meet peak hour demand, but to provide the security that the District can continue to serve its customers in the event of mechanical failure and/or water quality issue(s) in one or more of its wells at a time of maximum demand. In addition, the requirement to remove arsenic from four District wells leaves the District more vulnerable to production shortage due to the complexity of the two arsenic treatment plants and the possibility of a shutdown of a plant taking two wells out of service for a time. Therefore, the District is proposing to augment its current production capacity through a combination of increasing capacity of some existing wells and construction of new facilities.

The District contracted with Layne Geosciences to conduct a hydrogeological evaluation of various alternatives for increasing production capacity. Layne’s final Technical Memorandum includes recommendations for several alternative programs of capital improvements to effect the necessary increase in production capacity, and also includes results of groundwater modeling that conservatively estimates local and regional aquifer response to the various alternative Projects. As part of the District’s preparation of an Environmental Impact Report (EIR), all feasible Project alternatives must be considered, including others not included in Layne’s Technical Report. The “best” Project alternative with the least environmental impact and most feasible will then be selected.

Staff recommends Option No. 2 which uses a peaking factor of 2.0 based on the District’s greatest demand in recent history. This is more conservative and better protects the District from unforeseen developments and other events. It is the planning standard used in desert communities and has been consistently used by the District in the past such as for the 1997 General Plan.

Policy or Current Practice:

As a public agency, the District is required to abide by the laws of the California Environmental Quality Act (CEQA; California Public Resources Code § 21000-21178.; California Code of Regulations Title 14, Chapter 3, §15000-15387). A public agency must comply with CEQA when it undertakes an activity defined by CEQA as a "project." CEQA requires the preparation of an EIR for any Project which may have a significant effect on the environment. The undertaking of any Project on federal lands requires compliance with the National Environmental Protection Act (NEPA). A federal agency must be the lead agency for a project under NEPA.

Options:

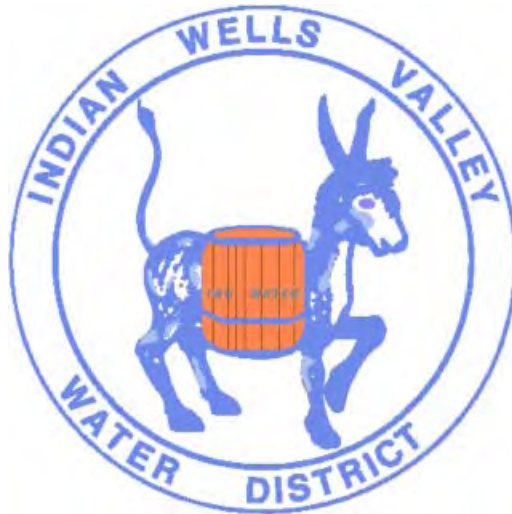
1. Make no changes to the project description as described in the Layne Technical Memorandum and the District's Draft Initial Study. This project includes taking Well 17 out of service once a new replacement well is constructed.
 2. Modify the project description based on revised population projections as described in the District's 2010 Urban Water Management Plan using a Peaking Factor of 2.0 applied to the Annual Average Day. This Peaking Factor reflects not only the planning standard in desert communities but the District's own experience in 2004 when the District's Peaking Factor was 1.92. This option includes the possible decommissioning of one well (not necessarily Well 17) that will need to be replaced.
 3. Modify the project description based on revised population projections as described in the District's 2010 Urban Water Management Plan using a Peaking Factor of 1.69 applied to the Annual Average Day. This Peaking Factor is an average of 2004 - 2010. This option also includes the possible decommissioning of one well (not necessarily Well 17) that will need to be replaced.
-

**INDIAN WELLS VALLEY WATER DISTRICT
DOMESTIC WATER SYSTEM
WELL PUMPING PLANT
DEMAND AND CAPACITY COMPARISON
FIGURES IN GALLONS PER MINUTE**

	2011	2015	2020
WELL 9A	1,000	1,000	1,000
WELL 10	1,100	1,100	1,100
WELL 11	1,000	1,000	1,000
WELL 13	1,100	1,100	1,100
WELL 17	1,200 ⁽¹⁾		
WELL 30	1,400	1,400	1,400
WELL 31	1,400	1,400	1,400
WELL 18	1,200	1,200	1,200
WELL 33	1,200	1,200	1,200
WELL 34	1,200	1,200	1,200
CAPACITY	11,800	10,600	10,600
PRODUCTION DEMAND (2)			
Peaking Factor 2.0 (highest for 2004-2010, rounded up)	13,260	14,300	14,990
Peaking Factor 1.69 (average for 2004-2010)	11,210	12,130	12,710

(1) Decommissioning of Well 17 given as an example of a well that could be taken out of service.

(2) Maximum Day Demand, with 20% redundancy. For 2011, based on linear regression of revised historic demand numbers. For 2015 and 2020, based on KernCOG population projections as used in IWVWD's 2010 Urban Water Management Plan.



**The Mission
of the
Indian Wells Valley Water District
is to deliver the
highest quality water at the
best possible price
while continuing to serve as
respectful stewards of the environment.**

**The Vision
of the
Indian Wells Valley Water District
is to provide for
self-sustaining water resources
now and for
generations to come.**

Board of Directors