



FALLBROOK PUBLIC UTILITY DISTRICT
BOARD OF DIRECTORS

REGULAR BOARD MEETING

AGENDA

MONDAY, JULY 23, 2018
4:00 P.M.

FALLBROOK PUBLIC UTILITY DISTRICT
990 E. MISSION RD., FALLBROOK, CA 92028
PHONE: (760) 728-1125

If you have a disability and need an accommodation to participate in the meeting, please call the Secretary at (760) 728-1125, ext. 1130 for assistance so the necessary arrangements can be made.

Writings that are public records and are distributed during a public meeting are available for public inspection at the meeting if prepared by the local agency or a member of its legislative body or after the meeting if prepared by some other person.

I. PRELIMINARY FUNCTIONS

CALL TO ORDER / ROLL CALL / ESTABLISH A QUORUM

PLEDGE OF ALLEGIANCE

ADDITIONS TO AGENDA PER GC § 54954.2(b)

APPROVAL OF AGENDA

PUBLIC COMMENT

Members of the public are invited to address the Board of Directors on any item that is within the subject matter jurisdiction of the legislative body. The Board President may limit comments to three (3) minutes.

A. EMPLOYEE OF THE QUARTER FOR AUGUST 2018

- 1. Eddie Taylor

II. CONSENT CALENDAR----- (ITEMS B – D)

All items appearing on the Consent Calendar may be disposed of by a single motion. Items shall be removed from the Consent Calendar if any member of the Board of Directors or the public requests removal prior to a vote on a motion to approve the items. Such items shall be considered separately for action by the Board.

B. CONSIDER APPROVAL OF MINUTES

- 1. May 29, 2018 Regular Board Meeting
- 2. June 19, 2018 Special Board Meeting

Recommendation: *The Board approve the minutes of the aforementioned meeting(s) of the Board of Directors of the Fallbrook Public Utility District.*

C. CONSIDER ADVANCE APPROVAL TO ATTEND MEETINGS

Recommendation: *The Board authorize and approve in advance Directors' attendance to the 2018 CSDA Annual Conference & Exhibitor Showcase, September 24-27, 2018, at the Renaissance Indian Wells Resort & Spa in Indian Wells, California.*

D. CONSIDER RATIFICATION OF THE DISTRICT'S FISCAL YEAR 2018-19 ADOPTED ANNUAL BUDGET

Recommendation: *That the Board ratify the Budget.*

III. **INFORMATION**----- (ITEM E)

E. INTRODUCTION OF NEW HIRE AUDREY CERAME, LABORATORY TECHNICIAN

Introduction by: *Jack Bebee, Acting General Manager*

IV. **ACTION / DISCUSSION CALENDAR**----- (ITEMS F – N)

F. CONSIDER AMI METER SERVICE REPLACEMENT PROGRAM

Recommendation: *That the Board approve the purchase of Badger meters from National Meter and Automation in an amount of \$287,920.48, including sales tax, and the purchase of 100W ERTs and AMI collectors and repeaters from Inland Water Works Supply Co. in an amount of \$204,704.19, including sales tax, to replace existing drive-by radio read meters that have reached the end of their useful life with fixed network AMI meters that will provide additional real time water usage monitoring tools for the District customers.*

G. CONSIDER AWARD OF SEWER MAINLINE AND MANHOLE RELINING FISCAL YEAR 2018-19 (JOB 3089)

Recommendation: *That the Board authorize award of the Sewer Mainline and Manhole Relining FY19 project to the lowest responsible bidder of Insituform Technologies, LLC at an amount of \$259,541.60 to extend the life of the District sewer infrastructure.*

H. UPDATE ON THE SANTA MARGARITA CONJUNCTIVE USE PROJECT AND CONSIDER AWARD OF CONSTRUCTION MANAGEMENT SERVICES

Recommendation: *That the Board authorize award of a Construction Management Services Contract for the Santa Margarita Conjunctive Use Project to Terrapin Group as*

an hourly rate not to exceed professional services contract for \$1,853,740, per the scope and fee, to provide construction oversight for the District.

I. CONSIDER PROPOSED REORGANIZATION AND ASSOCIATED JOB CLASSIFICATION CHANGES AND ADOPTION OF RESOLUTION NO. 4938

Recommendation: It is recommended that the Board approve the reorganization and the associated changes to the job titles, job descriptions and salary ranges for the Lead System Operator and System Operations Manager job classifications and revisions per the organizational chart to reduce staffing by one position which will save the District approximately \$92,000 per year.

J. CONSIDER APPROVAL OF A COMMUNICATION SITE LICENSE AGREEMENT BETWEEN FALLBROOK PUBLIC UTILITY DISTRICT AND CINGULAR WIRELESS PCS, LLC

Recommendation: That the Board authorize the Acting General Manager to execute the Communication Site License Agreement between Fallbrook Public Utility District and Cingular Wireless PCS, LLC.

K. CONSIDER CONSTRUCTION SERVICES FOR ROOF REPAIR AND REPLACEMENT AT THE WASTEWATER RECLAMATION PLANT

Recommendation: That the Board authorize award of Construction Services for Roof Repair and Replacement at the Wastewater Reclamation Plant to TWM Roofing, Inc. for an amount of \$69,759 to resolve existing roof leaks and prevent water damage.

L. CONSIDER ONE-YEAR EXTENSION OF THE MEMORANDUMS OF UNDERSTANDING AND ADOPTION OF RESOLUTION NO. 4939

Recommendation: That the Board President sign each of the Memorandums of Understanding extension agreements, which provides for a year extension of existing MOUs with no cost of living increase.

M. CONSIDER AMENDMENT OF ARTICLE 27, INVESTMENT POLICY, AND ADOPTION OF RESOLUTION NO. 4940

Recommendation: That the Board adopt Resolution No. 4940 amending Article 27 of the Administrative Code to update the Treasurer's Report format and ensure all legal reporting requirements are met.

V. ORAL/WRITTEN REPORTS-----**(ITEMS 1-8)**

1. General Counsel
2. SDCWA Representative Report

3. Acting General Manager and Assistant General Manager/District Engineer
 - a. Engineering and Operations Report
4. Assistant General Manager/Chief Financial Officer
 - a. Treasurer's Report
 - b. Budget Status Report
 - c. Warrant List
5. Public Affairs Specialist
6. Notice of Approval of Per Diem for Meetings Attended
7. Director Comments/Reports on Meetings Attended
8. Miscellaneous

ADJOURN TO CLOSED SESSION

VI. CLOSED SESSION

1. CONFERENCE WITH LABOR NEGOTIATORS PER GC § 54957.6:
AGENCY DESIGNATED NEGOTIATORS: BOARD OF DIRECTORS
UNREPRESENTED EMPLOYEE: ACTING GENERAL MANAGER

RECONVENE TO OPEN SESSION

REPORT FROM CLOSED SESSION

VII. ADJOURNMENT OF MEETING

* * * * *

DECLARATION OF POSTING

I, Mary Lou West, Secretary of the Board of Directors of the Fallbrook Public Utility District, do hereby declare that I posted a copy of the foregoing agenda in the glass case at the entrance of the District Office located at 990 East Mission Road, Fallbrook, California, at least 72 hours prior to the meeting in accordance with Government Code § 54954.2(a).

I, Mary Lou West, further declare under penalty of perjury and under the laws of the State of California that the foregoing is true and correct.

7-18-18
Dated / Fallbrook, CA

Mary Lou West
Secretary, Board of Directors

MEMO

TO: Board of Directors
FROM: Jack Bebee, Acting General Manager, JAB
DATE: July 23, 2018
SUBJECT: Employee of the Quarter for August 2018

Antonio Campos, Employee of the Quarter for May 2018, chose Eddie Taylor as the Employee of the Quarter for August 2018 because of the following:

"I've selected Eddie Taylor as the Employee of the Quarter. Eddie has a great personality and work ethic; he's always got a smile on. He goes above and beyond helping the Water Reclamation Plant whenever it is needed."

Eddie received a Certificate of Appreciation and chose a gift valued at \$100. In addition, Eddie will have lunch with the Acting General Manager, a member of the Board of Directors, and the previous Employee of the Quarter.

M E M O

TO: Board of Directors
FROM: Mary Lou West, Secretary *mw*
DATE: July 23, 2018
SUBJECT: Approval of Minutes

Recommendation

That the Board approve the minutes of the following meetings of the Board of Directors of the Fallbrook Public Utility District:

1. May 29, 2018 Regular Board Meeting
2. June 19, 2018 Special Board Meeting

Minutes of the May 29, 2018 Regular Board Meeting

**FALLBROOK PUBLIC UTILITY DISTRICT
BOARD OF DIRECTORS
REGULAR BOARD MEETING**

MINUTES

**TUESDAY, MAY 29, 2018
4:00 P.M.**

**FALLBROOK PUBLIC UTILITY DISTRICT
990 E. MISSION RD., FALLBROOK, CA 92028
PHONE: (760) 728-1125**

I. PRELIMINARY FUNCTIONS

CALL TO ORDER / ROLL CALL / ESTABLISH A QUORUM

President Gebhart called the regular meeting of the Board of Directors of the Fallbrook Public Utility District to order at 4:02 p.m. A quorum was established, and attendance was as follows:

Board of Directors

Present: Jennifer DeMeo, Member
Al Gebhart, Member/President
Don McDougal, Member/Vice-President
Charley Wolk, Member

Absent: Milt Davies, Member

District Staff

Present: Paula de Sousa Mills, General Counsel
Jack Bebee, Acting General Manager
David Shank, Assistant General Manager/Chief Financial Officer
Antonio Campos, Plant Maintenance Worker
Jason Cavender, System Operations Manager
Lisa Chaffin, Human Resources Manager
Kevin Collins, Purchasing/Warehouse Supervisor
Noelle Denke, Public Affairs Specialist
Debra Potter, Warehouse/Purchasing Specialist
Larry Ragsdale, Safety & Risk Administrator
Owni Toma, Environmental Compliance Tech
Mary Lou West, Secretary

Also present were others, including, but not limited to: Dan and Roxann Clouse, Laura Cherevchenko, Marta Donovan, Jean Dooley, Kirk Dulin, Jackie Heyneman, Jennifer Jeffries, Roy Moosa, Jerri Patchett, Catherine Robinson, and Will Shakespeare.

PLEDGE OF ALLEGIANCE

President Gebhart led the Pledge of Allegiance.

ADDITIONS TO AGENDA PER GC § 54954.2(b)

There were no additions to the agenda.

APPROVAL OF AGENDA

MOTION: Vice-President McDougal moved to approve the agenda as presented; Director DeMeo seconded. Motion passed; VOTE:

AYES: Directors DeMeo, Gebhart, McDougal, and Wolk

NOES: None

ABSTAIN: None

ABSENT: Director Davies

PUBLIC COMMENT

Members of the public are invited to address the Board of Directors on any item that is within the subject matter jurisdiction of the legislative body. The Board President may limit comments to three (3) minutes.

Laura Cherevchenko of Fallbrook Pop Warner stepped to the podium and requested the District donate five-gallon water jugs to the league.

Acting General Manager Bebee gave an overview of a recently adopted Board policy with respect to donations by the District to community groups. Mr. Bebee emphasized the policy prohibits donations unless a specific request is made and approved by the Board in advance since donations would be funded through water and wastewater rates.

President Gebhart stated requests for specific donations must be in writing and placed on the agenda for formal consideration by the Board. Details of the items requested, such as the type, number of items, cost per item, and grand total, should be included in the request.

Vice-President McDougal remarked that in the past items purchased by the District for District purposes, in excess of what the District needed and could use, were donated to community groups; however, making a specific donation to a single community group would set a precedent for specific donations to other community groups, which falls outside the restrictions for use of public funds.

A. EMPLOYEE OF THE QUARTER

1. Antonio Campos

Antonio Campos was commended for being chosen Employee of the Quarter for May 2018 by Matthew Lian, Employee of the Quarter for February 2018.

B. MANAGER'S AWARD

1. Debra Potter

Acting General Manager Bebee stated Debra Potter was presented with a Manager's Award for her hard work and efforts that were instrumental to the success of the warehouse operations after a recent retirement and during the expansion of the department into a larger operational role in the District.

Director Wolk requested that Items E, F, G, and H be pulled from the Consent Calendar for discussion.

II. CONSENT CALENDAR-----(ITEMS C-D)****

All items appearing on the Consent Calendar may be disposed of by a single motion. Items shall be removed from the Consent Calendar if any member of the Board of Directors or the public requests removal prior to a vote on a motion to approve the items. Such items shall be considered separately for action by the Board.

C. CONSIDER APPROVAL OF MINUTES

1. Regular Board Meeting of April 23, 2018

Recommendation: *The Board approve the minutes of the aforementioned meeting of the Board of Directors of the Fallbrook Public Utility District.*

D. CONSIDER 2018-19 APPROPRIATION GROWTH RATE AND ADOPT RESOLUTION NO. 4932

Recommendation: *That the Board adopt Resolution No. 4932 setting the tax appropriation limit for 2018-19 at \$3,048,685, which includes the Fallbrook and De Luz service areas and Improvement District "S".*

MOTION: Vice-President McDougal moved to approve the Consent Calendar as revised with the exclusion of Items E, F, G, and H; Director Wolk seconded. Motion passed; **VOTE:**

AYES: Directors DeMeo, Gebhart, McDougal, and Wolk

NOES: None

ABSTAIN: None

ABSENT: Director Davies

President Gebhart announced that Item K would follow the Consent Calendar.

K. CONSIDER FUNDING NEEDS FOR PUBLIC PROGRAMS IN THE COMMUNITY OF FALLBROOK (ITEM REQUESTED BY FALLBROOK CHAMBER OF COMMERCE AND OTHER LOCAL COMMUNITY GROUPS)

Presented by: Lila MacDonald, Executive Director of Fallbrook Chamber of Commerce

Lila MacDonald of the Fallbrook Chamber of Commerce stepped to the podium and stated she represented a group of community organizations that are concerned with the need for a permanent funding source to develop and maintain public programs in the community, and those organizations and some of their programs are as follows:

1. Fallbrook Chamber of Commerce: Gateways, Wayfinding Signage, Military Welcome Home Flag, Lighting and Safety
2. Fallbrook Village Association: Library Plaza, Heyneman Park, Pico Promenade, Railroad Heritage Park
3. Fallbrook Beautification Alliance: South Mission Medians, Anti-Graffiti Removal, Downtown Flowerpots, Military Welcome Home Flag
4. Fallbrook Land Conservancy: Los Jilgueros and Monserate Mountain Preserves
5. Save Our Forests: Community Tree Planting and Maintenance
6. Fallbrook Live Oak Coalition: Live Oak Park and Dog Park
7. Fallbrook Trails Committee: Santa Margarita Trails and Preserve
8. Fallbrook Sports Park Association: Ingold Sports Park
9. Community Service District 81 (CSA-81): Community Parks and Facilities
10. Fallbrook Historical Society: Fallbrook Historical Museum

Mrs. MacDonald reported the County of San Diego has supported capital improvement projects in the community, but has not maintained those projects resulting in local non-profits shouldering those responsibilities. Mrs. MacDonald requested the District assist in developing a method to create a permanent funding mechanism to maintain community projects and programs in a manner that attracts visitors, enhances property values, and makes the community a better place to live.

President Gebhart asked, "why FPUD and not the County"? Mrs. MacDonald remarked that having control stay locally, and not at the county level, is preferable. President Gebhart asked if citizens were behind the proposal, and Mrs. MacDonald responded that would be their next step to develop support.

Roy Moosa of the Fallbrook Community Planning Group and the Fallbrook Village Association stepped to the podium and talked about the low level of support by the County of San Diego for maintenance of local projects. Mr. Moosa requested the District assist groups in finding a mechanism to fund maintenance of local projects.

Jackie Heyneman stepped to the podium on behalf of Save Our Forests and the Fallbrook Land Conservancy and stated they have been working since the early 1970s to

preserve and maintain trees and create green space within the Fallbrook community; however, it has become increasingly difficult to find volunteers to assume those duties. Mrs. Heyneman requested the District assist local organizations in finding a permanent funding source to develop and maintain local projects.

Jean Dooley stepped to the podium and stated she has been helping the Fallbrook Beautification Alliance, Save Our Forests, and the Fallbrook Land Conservancy for the past 15 years to make and keep Fallbrook a beautiful place to live in. Mrs. Dooley further stated she and her husband pick up trash along Pico Promenade and care for planted areas in town. Mrs. Dooley expressed support of the District expanding powers to create a maintenance district.

Kirk Dulin stepped to the podium and expressed concern with the proposal citing recent and anticipated future rate increases. Mr. Dulin talked about a previous proposal by the District to expand latent powers and the cost, limitations, and impact that proposal would have had on ratepayers. Mr. Dulin remarked the process would have been very expensive and questioned if the District could have legally spent ratepayer money on that proposal. Mr. Dulin suggested adding a line to ratepayers' bills for funding local projects and recommended the Board not move forward with the proposal.

Jennifer Jeffries stepped to the podium and expressed support of the consideration citing the following: (1) logical—to control local money and find ways to have a sustainable, predictable revenue stream, (2) responsible—to preserve the many legacy assets in the community, and (3) communitarian principle—to support a common goal that would benefit the entire community. She encouraged the Board to consider the proposal.

Jerri Patchett stepped to the podium, introduced herself as president of the Fallbrook Beautification Alliance, and requested the Board consider the proposal presented. Mrs. Patchett talked about the projects developed and maintained by the Fallbrook Beautification Alliance and described how those projects enhance the community, enrich the daily lives of Fallbrook residents, and support local property values. Mrs. Patchett stated that without a permanent funding source, programs to enhance the community would disappear.

Will Shakespeare of Fallbrook Land Conservancy stepped to the podium and stated that volunteerism has decreased through the years while maintenance demands have increased. Mr. Shakespeare requested the Board vote in favor of the proposal.

MOTION: Director DeMeo moved to form an ad hoc committee of the Board to be established to work with staff to evaluate the public interest and potential for the District to assist with the formation of a community benefit district; Vice-President McDougal seconded.

Vice-President McDougal remarked the District should explore a pass-through to residents that would go into a fund and be managed by the community rather than the

county. He stated the cost through the county would be considerable and responsibility would be assigned to the parks and recreation department that would retain 25% of funding for administrative costs. The ad hoc committee would investigate the feasibility of a community benefit district.

Acting General Manager Bebee stated restrictions to what projects could be funded through the expansion of latent powers would have to be determined and the District would be prohibited from providing services outside of its boundaries. The ad hoc committee would assist with evaluating the process, examining limitations, and exploring funding options.

Director Wolk stated he was in favor of the proposal, but ultimately the proposal would require the District to activate its latent powers and was concerned about the cost.

General Counsel de Sousa Mills explained that every five years LAFCO must conduct a Municipal Service Review in order to update or affirm existing spheres of influence. She suggested the cost previously quoted by LAFCO was to activate latent powers prior to the Municipal Service Review cycle.

AMENDED

MOTION: Director DeMeo moved to form an ad hoc committee to study a community benefit program and to direct staff to investigate the LAFCO process and bring back the requirements and costs to the Board; Vice-President McDougal seconded.

AYES: Directors DeMeo, Gebhart, McDougal, and Wolk

NOES: None

ABSTAIN: None

ABSENT: Director Davies

President Gebhart appointed Vice-President McDougal as chair of the ad hoc committee and authorized Vice-President McDougal to appoint another board member to serve on the ad hoc committee.

President Gebhart announced that Items E, F, G, and H, which were pulled from the Consent Calendar, would be considered next.

E. CONSIDER CLAIM FOR PROPERTY DAMAGE FILED BY DAVID ENLOW

Recommendation: That the Board deny the Claim for property damage and forward the Claim to ACWA/JPIA for resolution.

Director Wolk asked about potential pressure spikes in the system.

Acting General Manager Bebee explained that SCADA records are reviewed when customers claim pressure spikes in the system damage their property. The SCADA records were reviewed and no evidence was found to demonstrate a pressure spike had occurred. Moreover, most of the system is gravity fed decreasing the likelihood of drastic fluctuations in pressure.

Vice-President McDougal remarked that a functioning pressure regulator installed on the customer's side of the meter would mitigate a spike in pressure.

MOTION: Director Wolk moved to deny the Claim for property damage filed by David Enlow and forward the Claim to ACWA/JPIA for resolution; Vice President McDougal seconded. Motion passed; VOTE:

AYES: Directors Gebhart, McDougal, and Wolk
NOES: Director DeMeo
ABSTAIN: None
ABSENT: Director Davies

F. CONSIDER CLAIM FOR PROPERTY DAMAGE FILED BY SANDRA KINSLER

Recommendation: That the Board deny the Claim for property damage and forward the Claim to ACWA/JPIA for resolution.

Director Wolk asked about the date of the original Claim, which was filed in June 2017, and the additional request for compensation by Mrs. Kinsler.

Acting General Manager Bebee explained the leak occurred in June 2017. Mrs. Kinsler received a monetary settlement from ACWA/JPIA, but is now requesting additional compensation for time and other items. The request is to deny the Claim for property damage and forward the Claim to ACWA/JPIA for resolution.

MOTION: Vice-President McDougal moved to deny the Claim for property damage filed by Sandra Kinsler and forward the Claim to ACWA/JPIA for resolution; Director Wolk seconded. Motion passed; VOTE:

AYES: Directors DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: Director Davies

G. CONSIDER SAFETY AND RISK ADMINISTRATOR TITLE AND JOB DESCRIPTION REVISIONS AND ADOPT RESOLUTION NO. 4928

Recommendation: That the Board approve the Safety and Risk Administrator job title change to Safety and Risk Officer and the proposed changes to the job description and adopt Resolution No. 4928.

Following brief discussion concerning changes made to the job description, Vice-President McDougal stated the Personnel Committee reviewed the proposed changes and is recommending approval.

MOTION: Director DeMeo moved to approve the Safety and Risk Administrator job title change to Safety and Risk Officer and the proposed changes to the job description and adopt Resolution No. 4928; Director Wolk seconded. Motion passed; VOTE:

AYES: Directors DeMeo, Gebhart, McDougal, and Wolk

NOES: None

ABSTAIN: None

ABSENT: Director Davies

H. CONSIDER CREATION OF SENIOR ENGINEER POSITION AND ADOPT RESOLUTION NO. 4933

Recommendation: That the Board approve the Senior Engineer job description and the salary range established for the position and adopt Resolution No. 4933.

Director Wolk stated he was not comfortable with the Senior Engineer position placed on the Consent Calendar due to the salary range.

Acting General Manager Bebee explained that at the last meeting, the Board directed staff to move forward with the position and meet with the Personnel Committee to determine a salary range. The Personnel Committee met and recommended the proposal.

Discussion ensued relative to the level of experience required. Vice-President McDougal stated the Personnel Committee found justification to create an Engineering Manager position; however, the committee determined it was more cost-effective to create an Senior Engineer position.

MOTION: Vice-President McDougal moved to approve the Senior Engineer job description and the salary range established for the position and adopt Resolution No. 4933; Director DeMeo seconded. Motion passed; VOTE:

AYES: Directors DeMeo, Gebhart, McDougal, and Wolk

NOES: None
ABSTAIN: None
ABSENT: Director Davies

III. INFORMATION------(ITEMS I-J)

I. KEVIN COLLINS, PURCHASING/WAREHOUSE SUPERVISOR

Introduction by: Jack Bebee, Acting General Manager

Acting General Manager Bebee introduced Kevin Collins as the new Purchasing/Warehouse Supervisor. Mr. Collins is leading efforts in procurement centralization and is assisting with the construction management selection for the Santa Margarita River Conjunctive Use Project. Mr. Collins has worked in all aspects of warehousing, inventory control, and procurement. Recently, he was at North County Transit District in Oceanside.

J. PRESENTATION OF DRAFT ANNUAL DISTRICT BUDGET

Presented by: David Shank, Assistant General Manager/Chief Financial Officer

Acting General Manager/Chief Financial Officer Shank presented an overview of the fiscal year 2018-19 Annual Recommended Budget document. Mr. Shank discussed the transmittal letter and budget in brief, introduction, fund structure and financial policies, financial summaries, sources of funds and revenues, operating budget, and capital budget. Mr. Shank stated the District's goal is to earn and be presented with the Distinguished Budget Presentation Award by the Government Finance Officers Association.

IV. ACTION / DISCUSSION CALENDAR------(ITEMS L-M)

L. CONSIDER APPROVING CHANGE ORDER NO. 4 FOR THE FPUD 8 MG RESERVOIR PAINTING PROJECT

Recommendation: That the Board approve Change Order No. 4 for the 8 MG Reservoir Painting Project in the amount of \$19,843.88 to install a new cathodic protection system and increase the total contract amount for AMP United for this project to \$863,765.88.

Acting General Manager Bebee stated that although the individual change order amount is less than the general manager's approval limit, board approval is required since the total additional contract amount, including previous change orders, is over the limit. The request is for a change to the contract to add a new cathodic protection system in the amount of \$19,843.88 increasing the contract total to \$863,765.88.

MOTION: Director Wolk moved to approve Change Order No. 4 for the 8 MG Reservoir Painting Project in the amount of \$19,843.88 to install a new cathodic protection system and increase the total contract amount for AMP United for this project to \$863,765.88; Director DeMeo seconded. Motion passed; VOTE:

AYES: Directors DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: Director Davies

M. CONSIDER SECURITY FENCING AT THE DISTRICT OFFICE

Recommendation: That the Board approve Option 1 to ensure the office and yard facilities are properly secured. Pending input from the Board the additional fencing under Option 2 could be included in a later phase of fencing in the following Fiscal Year (Fiscal Year 2019/2020).

System Operations Manager Cavender provided an overview of the current condition of the fencing at the District Office and presented proposed options to upgrade the fencing that would incorporate recommendations made by Homeland Security in recent vulnerability assessments of the water reclamation plant and the UV plant.

There was limited discussion. Staff identified it would move forward with Option 1 and it was determined no motion for Board action was necessary.

V. **ORAL/WITTEN REPORTS**-----**(ITEMS 1-8)**

1. General Counsel
 - General Counsel de Sousa Mills provided an update of legislation affecting water districts.
2. SDCWA Representative Report
 - Acting General Manager Bebee reported Ken Weinberg, retired water planning director of the San Diego County Water Authority, would be providing a presentation of the California WaterFix project at the June 19th special board meeting.
3. Acting General Manager and Assistant General Manager/District Engineer
 - a. Engineering and Operations Report
4. Assistant General Manager/Chief Financial Officer
 - a. Treasurer's Report
 - b. Budget Status Report
 - c. Warrant List
 - Acting General Manager/Chief Financial Officer Shank provided an overview of the reports included in the board packet.
5. Public Affairs Specialist

6. Notice of Approval of Per Diem for Meetings Attended
7. Director Comments/Reports on Meetings Attended
 - Director DeMeo reported she attended the May 15, 2018 COWU meeting and the May 17, 2018 San Diego Chapter CSDA dinner meeting.
8. Miscellaneous

ADJOURN TO CLOSED SESSION

The Board of Directors adjourned to Closed Session at 5:57 p.m. following an oral announcement by President Gebhart of Closed Session Items VI. 1, 2, and 3.

VI. CLOSED SESSION -----(ITEMS 1-3)

1. CONFERENCE WITH LABOR NEGOTIATORS PURSUANT TO GOVERNMENT CODE SECTION 54957.6:

Agency Designated Negotiators: Jack Bebee, Acting General Manager; Lisa Chaffin, Human Resources Manager

Employee Organization: Fallbrook Public Utility District Employees' Association; Fallbrook Management Employees' Association

2. CONFERENCE WITH LEGAL COUNSEL-EXISTING LITIGATION PURSUANT TO GOVERNMENT CODE SECTION 54956.9 (D)(1)

Name Of Case: Paula Clark v. Fallbrook Public Utility District et al. (Case No. 37-2018-00024322-CU-0E-CM)

3. CONFERENCE WITH LABOR NEGOTIATORS PER GOVERNMENT CODE SECTION 54957.6:

Agency Designated Negotiators: Board Of Directors

Unrepresented Employee: Acting General Manager

RECONVENE TO OPEN SESSION

The Board returned from Closed Session and reconvened to Open Session at 7:21 p.m.

REPORT FROM CLOSED SESSION (As Necessary)

There was no reportable action taken in Closed Session.

VII. ADJOURNMENT OF MEETING

There being no further business to discuss, President Gebhart adjourned the regular meeting of the Board of Directors of the Fallbrook Public Utility District at 7:22 p.m.

President, Board of Directors

ATTEST:

Secretary, Board of Directors

Minutes of the June 19, 2018 Special Board Meeting

**FALLBROOK PUBLIC UTILITY DISTRICT
BOARD OF DIRECTORS
SPECIAL BOARD MEETING**

MINUTES

TUESDAY, JUNE 19, 2018
5:30 P.M.

FALLBROOK PUBLIC UTILITY DISTRICT
990 E. MISSION RD., FALLBROOK, CA 92028
PHONE: (760) 728-1125

I. PRELIMINARY FUNCTIONS

CALL TO ORDER / ROLL CALL / ESTABLISH A QUORUM

President Gebhart called the special meeting of the Board of Directors of the Fallbrook Public Utility District to order at 5:31 p.m. A quorum was established, and attendance was as follows:

Board of Directors

Present: Milt Davies, Member
Jennifer DeMeo, Member
Al Gebhart, Member/President
Don McDougal, Member/Vice-President
Charley Wolk, Member

Absent: None

District Staff

Present: Paula de Sousa Mills, General Counsel
Jack Bebee, Acting General Manager
David Shank, Assistant General Manager/Chief Financial Officer
Jason Cavender, System Operations Manager
Mary Lou West, Secretary

Also present were others, including, but not limited to: Archie and Patricia McPhee; Ken Weinberg, Ken Weinberg Water Resources Consulting LLC.

PLEDGE OF ALLEGIANCE

President Gebhart led the Pledge of Allegiance.

APPROVAL OF AGENDA

MOTION: Vice-President McDougal moved to approve the agenda as presented; Director Wolk seconded. Motion passed; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

PUBLIC COMMENT

Members of the public are invited to address the Board of Directors on any item that is within the subject matter jurisdiction of the legislative body. The Board President may limit comments to three (3) minutes.

There were no requests to speak during Public Comment from members of the public.

II. CONSENT CALENDAR-----(ITEMS A–D)****

All items appearing on the Consent Calendar may be disposed of by a single motion. Items shall be removed from the Consent Calendar if any member of the Board of Directors, or the public, requests removal prior to a vote on a motion to approve the items. Such items shall be considered separately for action by the Board.

A. CONSIDER APPROVAL OF MINUTES

1. Special Board Meeting of April 30, 2018

Recommendation: The Board approve the minutes of the aforementioned meeting(s) of the Board of Directors of the Fallbrook Public Utility District.

B. CONSIDER NOTICE OF COMPLETION – FPUD 8 MG RESERVOIR PAINTING PROJECT

Recommendation: That the Board authorize staff to file the Notice of Completion with the San Diego County Recorder.

C. CONSIDER ADOPTING RESOLUTION NO. 4934 PLACING FIXED CHARGE SPECIAL ASSESSMENTS TO ADD DELINQUENT AND UNPAID CHARGES ON THE TAX ROLL

Recommendation: That the Board adopt Resolution No. 4934 placing fixed charge special assessments to add delinquent and unpaid charges on annual tax bills for 2018-19 by the San Diego County Treasurer-Tax Collector.

D. CONSIDER ADOPTING ORDINANCE NO. 342 FIXING WATER STANDBY OR AVAILABILITY CHARGES FOR 2018-19

Recommendation: The Board adopt Ordinance No. 342 as prepared and authorize the Secretary of the Board of Directors to send a certified copy to the Board of Supervisors of the County of San Diego and the Auditor and Controller of the County of San Diego.

MOTION: Director Wolk moved to approve the Consent Calendar as presented, to include adopting Resolution No. 4934 and Ordinance No. 342; Vice-President McDougal seconded. Motion passed; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

III. INFORMATION----- (ITEM E)

E. PRESENTATION ON CALIFORNIA WATERFIX

Presented by: Ken Weinberg of Ken Weinberg Water Resources Consulting LLC

Ken Weinberg of the Delta Stewardship Council stepped to the podium and gave a slide show presentation titled "Achieving the Co-Equal Goals Why Fixing the Delta is a Statewide Issue." The presentation included an overview of the Delta and its importance as a water supply and its environmental, recreational, and economic significance. Mr. Weinberg cited key risks threatening the Delta as fishery declines, seismic risk, subsidence, and sea level rise. He explained that the Delta Stewardship Council was formed to work with state and federal agencies, and other stakeholders, to protect, restore, and enhance the Delta ecosystem to achieve co-equal goals among all interests. As a result, the California WaterFix project was developed by the Department of Water Resources as a two-tunnel project to transport water underground, which will mitigate negative impacts to the environment while improving the delivery system. The project includes a joint exercise of powers agreement with the Delta Conveyance Design and Construction Authority that will pool expertise and resources to design, construct, and deliver the project, whereas, the project will be owned and operated by the Department of Water Resources. Mr. Weinberg concluded the presentation with a comprehensive question and answer period.

IV. ACTION / DISCUSSION CALENDAR----- (ITEMS F-J)

F. CONSIDER LETTER TO THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA SUPPORTING A PROVISION TO ALLOW AGRICULTURAL CUSTOMERS TO OPT-OUT OF BENEFITTING FROM THE TWIN TUNNEL PROJECT

Recommendation: That the Board consider voting to sign onto the attached letter, or provide a similar letter of support, for this approach that would help lower the impact of the Water Fix project on District agricultural customers.

Acting General Manager Bebee reported that the general manager of the Valley Center Municipal Water District drafted a letter, which was included in the board packet,

to the Metropolitan Water District of Southern California (MWD). The purpose of the letter is to request that local commercial agricultural customers be given the option to pay, or not to pay, for the California WaterFix project and its benefits, which is the option MWD has extended to its Central Valley commercial agricultural customers. By opting-out, commercial agricultural customers will not benefit from additional water supplies and the reliability of supplies that WaterFix would provide. Valley Center Municipal Water District invited Fallbrook Public Utility District, Rainbow Municipal Water District, and Yuima Municipal Water District to sign onto the letter to MWD on behalf of their agricultural customers.

MOTION: Director Davies moved to sign onto the letter to MWD, or provide a similar letter of support, that would help lower the impact of the Water Fix project on District agricultural customers; Vice-President McDougal seconded. Motion passed; VOTE:

AYES: Directors Davies, DeMeo, McDougal, and Wolk
NOES: Director Gebhart
ABSTAIN: None
ABSENT: None

G. CONSIDER ADOPTING THE DISTRICT FISCAL YEAR 2018-19 RECOMMENDED ANNUAL BUDGET AND AMENDING THE ADMINISTRATIVE CODE TO REFLECT THE NEW RTS CHARGE

Recommendation: That the Board adopt Resolution No. 4935 adopting the recommended budget for fiscal year 2018-19 and adopt Resolution No. 4936 amending the Administrative Code to reflect the new RTS charge.

Assistant General Manager/Chief Financial Officer Shank presented a slide show of the recommended budget for fiscal year 2018-19. The presentation included a summary of sources and uses of funds, the operating budget detail, the capital budget summary, projected fund balances, and steps moving forward. Mr. Shank concluded the presentation with discussion of "next steps": (1) to approve the recommended budget and establish the level of appropriations, (2) to revise the pass-through readiness-to-serve charge, and (3) to confirm the approved budget in July. Mr. Shank added that the 2019 rates and charges would go to the Board in December.

Director Wolk requested that in the future staff attach the section of the Article that is being proposed for revision, rather than attaching the entire Article, when amending the Administrative Code. General Counsel de Sousa Mills stated that would be an acceptable practice moving forward.

MOTION: Vice-President McDougal moved to adopt Resolution No. 4935 adopting the recommended budget for fiscal year 2018-19 and adopt Resolution No.

4936 amending the Administrative Code to reflect the new RTS charge;
Director Davies seconded. Motion passed; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

H. CONSIDER ADOPTING RESOLUTION NO. 4937 AMENDING ARTICLE 27,
INVESTMENT POLICY, OF THE ADMINISTRATIVE CODE

Recommendation: That the Board adopt Resolution No. 4937 amending Article 27,
Investment Policy, of the Administrative Code with the changes proposed.

Assistant General Manager/Chief Financial Officer Shank reported the recommendation is from the Fiscal Policy & Insurance Committee to revise Article 27.2.3(d) to add, "The Fiscal Policy and Insurance Committee will bring any recommended changes to the industry benchmark to the Board for approval."

General Counsel de Sousa Mills noted that under the Government Code, the District must review and approve the Investment Policy annually, and the Board's action would meet that requirement.

MOTION: Vice-President McDougal moved to adopt Resolution No. 4937 amending Article 27, Investment Policy, of the Administrative Code with the changes as proposed; Director DeMeo seconded. Motion passed; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

I. CONSIDER SOLAR POWERED FLOATING MIXER AT RED MOUNTAIN
RESERVOIR

Recommendation: That the Board authorize award of a solar powered mixer to the Medora Corporation for \$74,016 at Red Mountain Reservoir.

System Operations Manager Cavender reported that staff has been investigating ways to improve the water quality and manage sediment buildup at Red Mountain Reservoir. Because the reservoir is open, there are sporadic algae blooms that contribute to the formation of a layer of materials settling on the bottom of the reservoir over time. As the layer builds, the water removed from the reservoir carries with it sediment from the bottom causing water quality issues. To mitigate water quality issues, staff must use additional chlorine and turn up the reactors at the UV treatment plant, which is costly. In

addition to extra treatment measures, the reservoir bottom must be thoroughly cleaned every 8 to 10 years resulting in the discharge of 65 to 70 million gallons of water.

Mr. Cavender further reported that after exploring all options, staff determined the installation of a floating solar mixer, which is capable of mixing water at a rate of 5,000 gallons per minute continuously circulating water up from the bottom, would be the best possible option. The mixer would save the District money for chlorine and power, slow down the sedimentation process, and would be easy to maintain.

MOTION: Director Davies moved to authorize award of a solar powered mixer to the Medora Corporation for \$74,016 at Red Mountain Reservoir; Director Wolk seconded. Motion passed; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

J. CONSIDER AWARD OF THE SANTA MARGARITA PIPELINE PROJECT

Recommendation: That the Board authorize award of the Santa Margarita Pipeline Replacement Project to the apparent lowest bidder Southland Paving, Inc. at an amount of \$1,052,790 if they are able to meet all District requirements.

Acting General Manager Bebee reported the Santa Margarita Pipeline Replacement Project went out to bid, and there were five responsive bidders. The lowest bid received was from Southland Paving, Inc. for \$1,052,790. Because the estimated cost of the project was \$800,000, considerably lower than the bid, staff examined current material costs and found the cost of steel had increased by 30 to 40 percent. Staff is recommending the Board authorize award of the project to Southland Paving, Inc. Moreover, staff will adjust other projects for the fiscal year in order to stay within the budget.

MOTION: Director Davies moved to authorize award of the Santa Margarita Pipeline Replacement Project to the apparent lowest bidder Southland Paving, Inc. at an amount of \$1,052,790 if they are able to meet all District requirements; Director DeMeo seconded. Motion passed; VOTE:

AYES: Directors Davies, DeMeo, Gebhart, McDougal, and Wolk
NOES: None
ABSTAIN: None
ABSENT: None

V. ORAL/WRITTEN REPORTS------(ITEMS 1–8)

1. General Counsel
 - General Counsel de Sousa Mills provided an update of legislation affecting water districts.
2. SDCWA Representative Report
3. Acting General Manager and Assistant General Manager/District Engineer
 - a. Engineering and Operations Report
4. Assistant General Manager/Chief Financial Officer
 - a. Treasurer’s Report
 - b. Budget Status Report
 - c. Warrant List
5. Public Affairs Specialist
6. Notice of Approval of Per Diem for Meetings Attended
7. Director Comments/Reports on Meetings Attended
 - Director DeMeo reported attending the California Special Districts Association Special Districts Legislative Days in Sacramento on May 22-23, 2018.
 - President Gebhart reported the Santa Margarita River Property was included in the Governor’s budget, which will aid funding efforts moving forward.
8. Miscellaneous
 - President Gebhart announced he made the following changes to Standing Committee appointments: (1) Director Wolk will replace Director Davies on the Personnel Committee and (2) Director Davies will replace Director Wolk on the Water Resources Committee.

ADJOURN TO CLOSED SESSION

The Board of Directors adjourned to Closed Session at 7:23 p.m. following an oral announcement by President Gebhart of Closed Session Items VI. 1, 2, 3, and 4.

VI. CLOSED SESSION -----(ITEMS 1–4)

1. CONFERENCE WITH LABOR NEGOTIATORS PURSUANT TO GOVERNMENT CODE SECTION 54957.6:

Agency Designated Negotiators: Jack Bebee, Acting General Manager; Lisa Chaffin, Human Resources Manager

Employee Organization: Fallbrook Public Utility District Employees’ Association; Fallbrook Management Employees’ Association

2. CONFERENCE WITH LEGAL COUNSEL–EXISTING LITIGATION PURSUANT TO GOVERNMENT CODE SECTION 54956.9 (d)(1):

Name of Case: Paula Clark v. Fallbrook Public Utility District, et al. (Case No. 37-2018-00024322-CU-0E-CM)

3. CONFERENCE WITH LABOR NEGOTIATORS PER GC SECTION 54957.6: (REGARDING CONTRACT ISSUES NOT RELATED TO SALARY, SALARY SCHEDULES OR COMPENSATION PAID IN THE FORM OF FRINGE BENEFITS)

Agency Designated Negotiators: Board of Directors
Unrepresented Employee: Acting General Manager

4. PUBLIC EMPLOYEE PERFORMANCE EVALUATION PER GOVERNMENT CODE SECTION 54957:

Discuss Performance Evaluation: General Counsel, Best Best & Krieger
RECONVENE TO OPEN SESSION

The Board returned from Closed Session and reconvened to Open Session at 8:28 p.m.

REPORT FROM CLOSED SESSION (As Necessary)

There was no reportable action taken for Closed Session Items VI. 2-4.

On Closed Session Item VI. 1 (Conference with Labor Negotiators), on motion of Vice-President McDougal, seconded by Director DeMeo, the Board unanimously approved a one-year extension to both of the MOUs with FMEA and FPUDEA with a 0% Cost of Living Adjustment (for Fiscal Year 2018-19).

VII. ADJOURNMENT OF MEETING

There being no further business to discuss, President Gebhart adjourned the regular meeting of the Board of Directors of the Fallbrook Public Utility District at 8:29 p.m.

President, Board of Directors

ATTEST:

Secretary, Board of Directors

M E M O

TO: Board of Directors
FROM: Mary Lou West, Secretary *mlw*
DATE: July 23, 2018
SUBJECT: Consider Advance Approval to Attend Meetings

Purpose

To request Board approval of attendance by a Director to a meeting that is not included in Article 2.12 as a meeting that does not require advance approval.

Summary

The 2018 CSDA Annual Conference & Exhibitor Showcase (Conference) is September 24-27, 2018, at the Renaissance Indian Wells Resort & Spa in Indian Wells, California. Director DeMeo has requested attendance to the Conference, to include reimbursable expenses. Details of the Conference are as follows:

Registration Fee: Early Bird, \$600; Regular (after Aug. 24, 2018), \$650
Renaissance Indian Wells Resort & Spa: \$169 plus tax and \$5 resort fee per night (based on availability)

Recommended Action

The Board authorize and approve in advance Directors' attendance to the 2018 CSDA Annual Conference & Exhibitor Showcase, September 24-27, 2018, at the Renaissance Indian Wells Resort & Spa in Indian Wells, California.



**California Special
Districts Association**
Districts Stronger Together

Sept. 24 - 27, 2018

2018 CSDA Annual Conference & Exhibitor Showcase

Renaissance Indian Wells
Resort & Spa



Explore



The one conference for you!

The CSDA Annual Conference & Exhibitor Showcase is the one conference special district leaders can't afford to miss! Cultivate new connections this September in Indian Wells.

Join 800-plus special district professionals and industry experts for a three day, must-attend education and networking event. Develop new partnerships. Participate in inspiring and motivating keynote sessions. Walk away with strategies, new connections, and innovative ideas to move your district forward.

- Explore new ideas and best practices
- Learn about the latest in special district technology, management practices, and legal trends
- Discover new products and services to make your district more efficient



Renaissance Indian Wells Resort & Spa

44400 Indian Wells Lane
Indian Wells, CA 92210

Room reservations for the CSDA Annual Conference and Exhibitor Showcase begin at \$169 plus tax and are based on availability. There is a \$5 resort fee (normally \$30) added to the CSDA rate. This fee includes self-parking and guestroom high speed internet access. In order to book a hotel room, you must first register for the conference to obtain a CSDA room reservation link.



What to Do?

With more than 300 days of sunshine each year, it's no wonder attendees love meeting in Greater Palm Springs. With nine cities in one beautiful oasis, Greater Palm Springs is rich in visitor experiences, from outdoor adventure, shopping and art to world-class events like Coachella Valley Music & Arts Festival and Modernism Week. Whether you spend a sun-soaked afternoon by the pool, play a round of golf or soak in healing mineral water, this Southern California destination knows how to chill.



Attendance at the CSDA Annual Conference Qualifies for CIPs

Special District Risk Management Authority (SDRMA) is committed to establishing a strategic partnership with our members to provide maximum protection, help control losses, and positively impact the overall cost of property/liability and workers' compensation coverage through the Credit Incentive Program. Credit incentive points (CIPs) can be earned based on an agency's attendance at the CSDA Annual Conference & Exhibitor Showcase, reducing SDRMA members' annual contribution amounts.

Conference Schedule

Monday, September 24, 2018

8:00 a.m. Shotgun Start

SDLF Scramble for Scholarships Golf Tournament:
Indian Wells Golf Resort*

9:00 a.m. - 3:30 p.m.

Pre-Conference Workshop: Special District Leadership
Academy: Governance Foundations*

9:00 a.m. - 3:30 p.m.

Pre-Conference Workshop: Policy and Procedure Writing*

9:00 a.m. - 3:30 p.m.

Pre-Conference Workshop: So, You Want to Be a General
Manager?*

10:15 a.m. - 3:00 p.m.

Pre-Conference Tour: Salton Sea Authority Tour*

12:30 - 3:30 p.m.

Pre-Conference Workshop: The Strategies of a Special District
Strategic Plan*

1:30 - 3:30 p.m.

Special District Leadership Foundation:
Special District Administrator (SDA) Exam

3:45 - 5:15 p.m.

Chapter Roundtable Discussion

5:30 - 7:30 p.m.

Conference Begins! President's Reception with the Exhibitors

Tuesday, September 25, 2018

7:30 - 8:45 a.m.

Continental Breakfast with the Exhibitors

9:00 - 10:45 a.m.

Opening General Session: Connie Podesta "Standout
Leadership...Lead Like You Mean It!"

11:00 a.m. - 12:15 p.m.

Breakout Sessions

12:15 - 1:45 p.m.

Lunch with the Exhibitors

Tuesday, September 25, 2018 (continued)

2:00 - 3:15 p.m.

Breakout Sessions

3:30 - 4:30 p.m.

Breakout Sessions

4:30 - 6:00 p.m.

Mix & Mingle in the Exhibit Hall

Wednesday, September 26, 2018

8:15 - 9:00 a.m.

SDRMA Full Plated Breakfast

9:00 - 10:45 a.m.

SDRMA General Session/Safety Awards/Keynote:
Derreck Kayongo "Harnessing Your Power to Create Change"

11:00 a.m. - 12:15 p.m.

Breakout Sessions

12:30 - 1:45 p.m.

Awards Luncheon

2:00 - 3:30 p.m.

Breakout Sessions

3:45 - 5:00 p.m.

Breakout Sessions

5:30 - 7:30 p.m.

SDLF Taste of the City: Casino Night

Thursday, September 27, 2018

8:30 - 10:30 a.m.

CSDA Closing Breakfast: 2018 Legislative Impacts on Special
Districts

* = optional, advanced registration, additional fee

Monday, September 24, 2018



Pre-conference Workshops

(pre-registration/payment required)

9:00 a.m. – 3:30 p.m.

So, You Want to Be a General Manager?

A practical career development workshop for senior executives and emerging leaders in special districts. This action-oriented workshop includes group and panel discussions on the journey, roles and skill sets of a general manager; identifying general manager opportunities including positioning yourself for executive recruitment; developing positive relations with the board, staff and peer agency executives; and leadership practices.

\$100 includes continental breakfast and lunch. Limited class size, register early!



9:00 a.m. – 3:30 p.m.

Special District Leadership Academy Module 1: Governance Foundations

As the core curriculum of CSDA's Special District Leadership Academy, this workshop serves as the "foundation" for the series on effective governance of special districts. It is specifically designed for special district board members and meets the requirement for six hours of governance training for Special District Leadership Foundation programs.

\$225 Member, \$340 Non-member

EARN SDRMA CIPS

9:00 a.m. – 3:30 p.m.

Policy and Procedure Writing

This course for managers, supervisors, and analysts will prepare you to plan and organize highly effective work systems through policy, procedure, and task development. Participants will learn and practice policy and procedure writing skills, and how to apply them in their workplace. Attendees are asked to bring a policy/procedure they are working on, with, or that is currently under their review, for classroom discussion and analysis. Course materials include templates for development of policy, procedure, and task descriptions in the future, and a textbook as a continuing framework for their development.

\$225 Member, \$340 Non-member

12:30 – 3:30 p.m.

The Strategies of a Special District Strategic Plan

All public agencies should have a strategy that moves them in a certain direction into the future. While there are many ways to develop a strategic plan, there is also a strategy in the actual planning process as well. This important pre-conference workshop will examine the how and why for a properly conducted strategy planning effort. Each part of the process should be strategic in its own; come discover this and how to do it right.

\$150 Member, \$225 Non-member

1:30 – 3:30 p.m.

Special District Administrator (SDA) Certification Exam, Special District Leadership Foundation

(Optional – must be scheduled prior to conference).

Golf Tournament

(pre-registration/payment required)



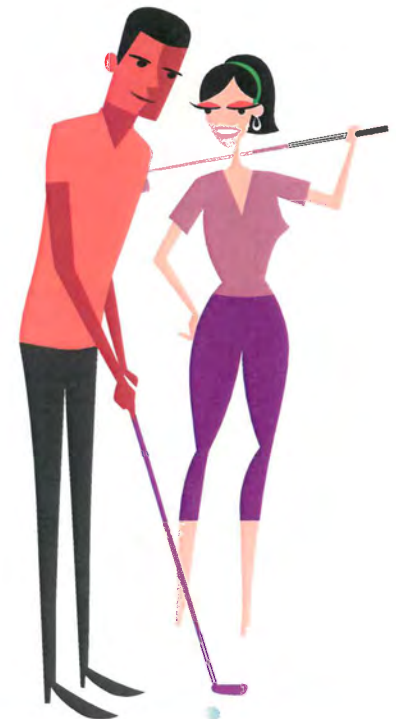
SDLF Scramble for Scholarships Golf Tournament

8:00 a.m. Shotgun Start Indian Wells Golf Resort

(pre-registration / payment required)

Join special district elected officials, staff, and business affiliates at this optional fun event. Great golf skills are not necessary! Proceeds benefit the Special District Leadership Foundation scholarship fund.

\$115 includes golf with cart, lunch, and prizes!





Pre-conference tour & more!

(pre-registration/payment required)

10:15 a.m. – 3:00 p.m.

Salton Sea Authority Tour

Tour of the northern part of the Salton Sea: North Shore Yacht Club, State Recreation Area

On this tour you will learn how special districts, counties, and a Native American tribe are working together in partnership with the state and federal agencies to reverse the tragic decline of the Salton Sea, transforming the watershed to establish a healthy and prosperous future.

\$48 per person includes transportation to/from the hotel, lunch, and tour

Early registration is encouraged. Limited to 48 attendees!

3:45 p.m. – 5:15 p.m.

Chapter Roundtable Discussion

Join CSDA board members and local chapter leaders from across the state to share best practices and discuss issues and opportunities. All attendees welcome.

“ The informational and educational level of the materials and presentations are very appropriate for seasoned veterans, as well as new and emerging leaders. ”

KARA RALSTON

CAMARILLO HEALTH CARE DISTRICT

Conference Begins!

5:30 – 7:30 p.m.

President's Reception with the Exhibitors

Join us in the exhibit hall as we network with business professionals who provide all types of goods and services to special districts. Appetizers, refreshments, and entertainment provided.

(all registered attendees welcome)



Tuesday, September 25, 2018



7:30 a.m. – 6:00 p.m.
Exhibitor Showcase Open



7:30 – 8:45 a.m.
Continental Breakfast with the Exhibitors (Raffle)

“ The staff from CSDA did an outstanding job, during the conference they were highly visible, friendly, knowledgeable and professional. I attend conferences sponsored by other groups and CSDA continues to “set the bar” by consistently delivering a high-quality conference! ”

TIM SHACKELFORD

FIRE CHIEF, CHINO VALLEY
INDEPENDENT FIRE DISTRICT

Keynote Speaker



11:00 a.m. – 12:15 p.m.
OPENING KEYNOTE PRESENTATION

Connie Podesta

Stand Out Leadership...Lead Like You Mean it!

In a perfect world all employees would be: high achieving, self-motivated, engaging, team players who see the big picture and always strive to do their best to get the job done on time without complaining. Does that sound like the Twilight Zone? Bottom Line: In the real world many employees: simply “meet expectations,” lack initiative, bring their personal life to work, stress over every change and whine about having to WORK...on the job! “Enough!” says Human Behavior and Leadership Development expert Connie Podesta, who has empowered thousands of leaders worldwide with the attitudes, mindsets and strategies necessary to create a team that’s willing, able and excited to get the job done THE RIGHT WAY! With her signature blend of comedy and “tell-it-like-it-is” delivery, Connie takes you inside the minds of even your most difficult employees so you can turn negative attitudes into positive, entitlement into accountability, complacency into productivity, complaining into solutions and “that’s not my job” into ownership.



11:00 a.m. – 12:15 p.m.

CSDA Finance Corporation Board and Annual Meeting

BREAKOUT SESSIONS 9:00 – 10:45 A.M.

5 Things You Can Do to Build an Awesome Personal Brand

CPS HR Consulting

Branding on a business-level is common, but today branding is becoming just as important on a personal level. Not many of us have consciously cultivated these brands, but they exist nonetheless. Developing your personal brand is the proactive way of controlling your career development and how you are perceived in the marketplace. The question is no longer IF you have a personal brand, but if you choose to guide and cultivate the brand or to let it be defined on your behalf. This session will focus on five things you can do to start building an awesome personal brand.

Devices, Data, and Privacy: Legal Concerns, Risks, and Best Practices

Nossaman, LLP

Now is the time for agencies to learn their rights under California and federal law when it comes to electronic devices, monitoring, and privacy concerning work-related data.

You're Out of Order! Meeting Protocols that Best Serve the Public

BHI Management Consulting

As we serve the public, little is more important and focused than the meetings we hold with our public. As such, it is important that we keep the public in mind as we construct and conduct our meetings and that we establish the how and why of each meeting element. This session will discuss meeting protocols and policy, the construct of our meeting agendas as well as our conduct in meetings with the public.

Public Agency Advocacy: The Rules Regarding Lobbying and Ballot Measures

Richards Watson & Gershon

Increasingly, public agencies need to influence legislative policy decisions to effectively carry out their missions. Lobbying and educating voters about critical issues are important tasks, but the laws and regulations that govern public agency activity in those areas are complex. This session will provide an overview of the most important areas of the law and help public agency employees know when to ask for legal advice.

Up in the Air: Drones for Special Districts

Aleshire & Wynder LLP

A presentation and follow up Q&A on drone technology, the current state of drone regulations, and steps special districts should consider before allocating funding.

Welcome to the Fishbowl: Government Ethics Overview

Hanson Bridgett, LLP

Come take a turn in the hot seat, try to stump your friends or just watch the show as we take a trip through Ethicsland and the unpredictability of local government. Join us as we practice applying rules concerning conflicts of interest, government transparency and more! This is not your grandma's ethics training. Does not meet the requirement for AB1234.

Who Ya Gonna Call? Preparedness During an Emergency and in the Aftermath

Panel Discussion: Sonoma County Water Agency, Casitas Water District, Montecito Fire Protection District

Moderated by: Rincon Consultants

A panel discussion with three special district representatives who have the responsibility of reaching out to constituents during an emergency, organize clean up in the aftermath, and who have to prepare to avoid future disasters.



12:15 – 1:45 p.m.

Lunch with the Exhibitors

All conference attendees are welcome to attend lunch in the exhibit hall. Enjoy your lunch while taking time to learn more about our exhibitors and the valuable services they provide. From risk management, accounting, HR, legal, banking services, and more – our exhibitors have some of the best of what you're looking for!

Lunch is included in conference registration.



BREAKOUT SESSIONS 2:00 – 3:15 P.M.

Converting from At-Large to By-District Elections Under the California Voting Rights Act: Understanding the “Safe Harbor” Process from Start to Finish

Cota Cole & Huber, LLP

This session is intended to help attendees understand their district's options and be prepared in the event that their district receives a demand letter relating to their district's voting system. It describes the key features and standards of the CVRA as well as the (very tight) timelines that apply for considering whether to convert to a by-district election system and the process for doing so. This session offers practical guidance regarding the safe-harbor process from start to finish.

“Dear Ratepayer:” Messaging for Rate Increase and Other Bummer News

Communication Advantage

This interactive session is designed to refresh and elevate your talent for crafting great messages for tough issues -- especially focused on financial bad news for customers, such as: rate increases, new fees or assessments, and/or reduced services. The presenter has helped dozens of special districts, counties, cities and other local agencies develop messaging and communications strategies to cope with these and many related issues. Following a brief presentation, attendees will participate in developing messages for a sampling of their real such issues ahead, such as rate hikes, budget deficits, service reductions, and some of the organizational changes that might require such unpopular actions.

More Bytes for Your Buck – Getting the Most Value from Your District's Technology Investment

Panel Discussion

Information Technology (IT) is traditionally seen as a necessary evil in municipal government. IT often gets a bad rap with seemingly insatiable user expectations, ever-increasing budget and staff requests, exorbitant maintenance agreements, project backlogs, and questionable results. Learn about technology strategy, citizen engagement, the power of mobile, smart communities, Internet of Things, Geographic Information Systems, records and email retention and more. Experienced General Managers and CIOs share advice and experiences on how to make the most of technology investments.

Required Ethics AB1234 Compliance Training (Part 1)

Meyers Nave

AB1234 mandates that local agency officials receive two hours of ethics training every two years. This two part training covers all the required topics, including laws relating to: (1) personal financial gain by public servants (conflict-of-interest, bribery), (2) claiming perquisites of office (gift, travel and mass mailing restrictions, use of public resources for personal or political purposes, free or discounted transportation), (3) government transparency (financial interest disclosure requirements, open meeting laws), and (4) fair process (incompatible offices, competitive bidding, nepotism).

The Brown Act in Action: Navigating Pitfalls

Renne Public Law Group, LLP

Brown Act issues frequently arise without warning during public meetings. Join this lively discussion of important Brown Act updates, and sharpen your skills in spotting and navigating Brown Act pitfalls as they arise during special district board meetings.

Up in Smoke – Proposition 64 in the Workplace

Lozano Smith

This presentation will cover the important aspects of Proposition 64 and the current state of legalization of marijuana in California. It will cover the impact of this legislation on the workplace as well as policy and safety considerations for public agencies.

Setting the Stage for Success: How to Prepare for Capital Improvement Financing

CSDA Finance Corporation

You may be ready to expand that facility, purchase that property, install those solar panels, or replace those pipes. But are you ready to access financing? If your district is planning to use debt to fund all or part of a mission-critical capital project, it is important to know what investors and lenders are looking for and what your options are. Join the expert consultants from the CSDA Finance Corporation in a discussion of funding structures, sources of repayment, credit analysis, and more.

“ Good presentations of current problem areas by a special district. ”

ROBERT SILANO
DIRECTOR, MENLO PARK FIRE PROTECTION DISTRICT



BREAKOUT SESSIONS 3:30 – 4:30 p.m.

Beyond Post and Pray – How to Recruit the Right Pool of Candidates

CPS HR Consulting

Recruiting the best talent is getting more and more challenging. Postings are producing pools of candidates that don't have the right skills or those that do have the right skills comprise a group that can hardly be called a pool, meaning we don't have enough good choices. This session will explore ways to tap into passive candidates and do more active outreach to broaden the pool of qualified and attractive candidates.

Beyond the Basics: Advanced Harassment Prevention Training

Burke, Williams & Sorensen, LLP

California law requires basic workplace harassment prevention training for managers and supervisors. This is not that training. In this session, we will take a deep dive into the more complicated and advanced questions employers face when dealing with workplace harassment issues, including: promoting a culture that focuses on the prevention of harassment; conducting or overseeing an investigation; proper interim measures and implementing effective remedial action; and privacy and confidentiality concerns.

Gifts and Gifts for Travel: Navigating Through the Jungle of FPPC Rules and Regulations

Churchwell White, LLP

The FPPC gift rules are designed to let 3rd parties help pay for your services and travel. But FPPC fines in this area are increasing. Join presenter Steven G. Churchwell, Former FPPC General Counsel to find out how to be a "gift guru" at your agency.

Is Your District Engaged Effectively with Social Media? It is a Must These Days for Every District!

Rauch Communication Consultants, Inc. and Hess Connect

Every District needs to be engaged where its public is – and in 2018 that is often on social media. Are you uncertain about how to use Facebook, Twitter or Instagram? This seminar will help. It will also provide tips and insights to districts on everything from: how to get started in social media to advanced techniques for gaining information and feedback from constituents; transforming public perception; driving citizen engagement with limited resources and budget. It will also discuss the importance of establishing a social media policy to guide implementation and keep your district out of trouble. We will share real-life examples and case studies, and there will be time for questions and answers.

It CAN Be Easy Being Green – Sustainability Best Practices

Institute for Local Government

Achieving financial stability and delivering excellent services starts with being a sustainable district. In this session we will discuss local roles, innovative collaborations and new funding opportunities specifically for special districts. Learn how your district can save money, resources, and green your operations.

Prevailing Wage Updates: New Penalties Imposed on Public Agencies

Contractor Compliance and Monitoring, Inc.

Prevailing wage continues to change each year. However, this year, the DIR has imposed fines on Public Agencies who are untimely in filing their PWC-100 forms or who hire unregistered contractors. Learn about this and other new laws impacting your agency.

Required Ethics AB1234 Compliance Training (Part 2)

Meyers Nave

See previous session description.



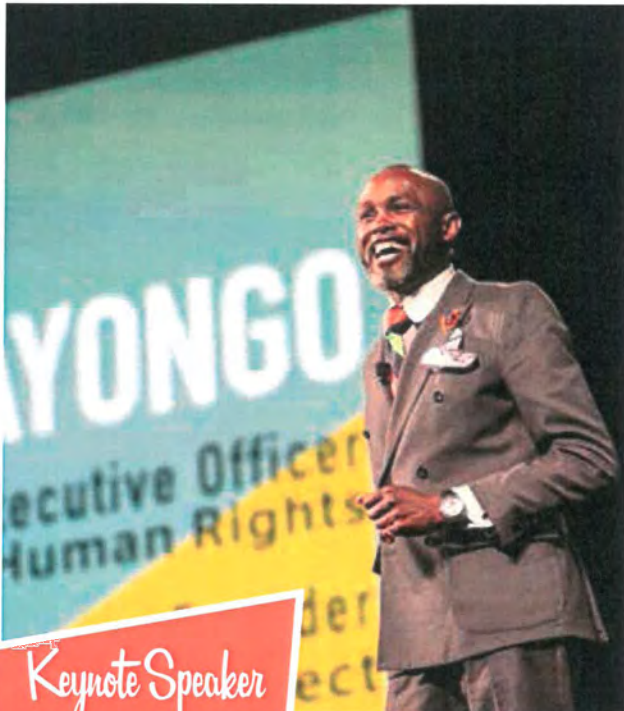
4:30 – 6:00 p.m.

Mix & Mingle in the Exhibit Hall: Grand Prize Drawings

Connect with exhibitors in the exhibit hall for a cocktail and appetizer before you go out on the town for dinner. Be sure to enter for one last chance to win one of our fabulous prizes!

Exhibit hall closes on Tuesday, September 25 at 6:00 p.m.

Wednesday, September 26, 2018



8:15 – 9:00 a.m.

SDRMA Sponsored Full Plated Breakfast

All registered attendees and exhibitors welcome.

9:00 – 10:45 a.m.

SDRMA GENERAL SESSION, SAFETY AWARDS, KEYNOTE

Derreck Kayongo

Harnessing Your Power to Create Change



As Founder of the Global Soap Project, Kayongo has built a multi-million-dollar venture which takes recycled soap and distributes it through global health programs to people who lack access to it around the world. He breaks down the key factors that have led to his personal success: (S.E.L.F.) Service, Education, Leadership and Faith and shares his account of life as a Ugandan refugee and the turning point which led him to a brilliant transformation as a social entrepreneur. He calls upon audiences to stop complaining and to start taking responsibility, to consistently seek opportunities to improve, and most importantly, to maintain faith in yourself and your team to create an environment where everyone is empowered to thrive. He brings you on an emotional journey –there will be tears of joy; most of the time, laughter. But every time, the story is real.

“ It was a great conference overall. Great information and great energy, good people dedicated to making a difference. I feel much more prepared to function well as a board member and have a greater understanding of districts functioning throughout California. I really enjoyed it and look forward to more. Thank you! ”

SARAH COOLIDGE

DIRECTOR, NORTH TAHOE PUBLIC UTILITY DISTRICT

.....
BREAKOUT SESSIONS 11:00 a.m. – 12:15 p.m.

Back to Basics: Public Contracting

Kronick, Moskovitz, Tiedemann & Girard

Review the legal requirements for the four standard procurement areas including goods, non-professional services, professional services and public projects. Learn how to avoid common purchasing pitfalls, and learn tips to protect your district from liability.

Best Practices for Recruiting, Hiring, Negotiating, and Evaluating the Board’s General Manager

Richard Pio Roda, Meyers Nave

The General Manager’s performance is critical to the success of every special district. The selection, development and retention of the right GM charged with leading the organization toward its strategic goals is of primary importance to the Board. Every governing body has among its primary responsibilities a thorough and professional evaluation of its GM through the use of effective tools that enable honest feedback and incorporate performance objectives and measures. The performance review process can be most effective when it goes beyond measuring performance and incorporates goal setting, sets expectations, provides for open dialogue, and has in place defined accountability standards. This session will give participants the tools to recruit, hire, negotiate with, and evaluate their General Manager that will help ensure that both the Board and the GM are aligned on the direction and goals of their organization.

.....
BREAKOUT SESSIONS 11:00 a.m. – 12:15 p.m.

Cannabis Use and Local Governments

Schlossberg & Umholtz and SDRMA

Can a public entity employer allow employees to use or be under the influence of marijuana in the workplace? Isn't the possession and use of marijuana legal in California? Should your agency review/revise its Cannabis policy?

Effective Strategies to Reduce and Address OPEB and Pension Costs

PARS

This session will discuss the latest funding strategies and trends to reduce OPEB liabilities and address rising pension costs.

How to Write for the Web (or for the Newspaper, or for an Email Blast, or Even a Billboard!)

Streamline

If you care about speaking to your "audience" in a form they will pay attention to, attend this talk! We'll go over various mediums and why different styles work for each, and talk about some of the best practices for writing in a way your readers will be willing to ... well ... read! Website content, email announcements, bill stuffers, press releases for the newspaper, advertising and billboards all have different "rules" that you can follow to help ensure your readers pay attention to what you have to say.

Nightmare on Board Night

Atkinson, Andelson, Loya, Ruud & Romo

You are at the board meeting and things are not going right. A quorum of board members is present, but one of the board members wants to conference call into the meeting. Also, the general manager is asking to add a new item to the agenda. To top all of this off, there is a member of the public who has exceeded his allotted time during public comment and won't yield the podium. When public meetings become challenging, you need to know how to respond. Come to this presentation and learn how the Brown Act, Robert's Rules of Order, and meeting decorum standards apply to these issues and others.

Town Hall – Legal Eagles

Liebert Cassidy Whitmore

Do you have questions? Well, we've got answers. Come get your questions answered while learning how to deal with legal issues important to your district in the ever-changing areas of labor, employment and governance. Special districts deal with a number of issues on a daily basis and it's best to be prepared. Share your questions with others who probably have the same problems, concerns and issues. This is a great opportunity to get some great legal answers - without those pesky billable hours!

.....
12:30 – 1:45 p.m.

CSDA Annual Awards Luncheon

Recognize and celebrate your peers! Join us as we celebrate the best of special districts with awards including: Board Member of the Year, General Manager of the Year, Staff Member of the Year, Special District Leadership Foundation (SDLF) awards, and more!

CSDA Recognizes the Best Among Special Districts

Do you have a board member, staff member, local chapter, or district program that you feel deserves recognition?

Each year, CSDA presents various awards during the CSDA Annual Conference and Exhibitor Showcase. There are several different categories. Please consider outstanding individuals within your districts for individual awards. Chapter awards and district awards are also open for nominations.

Visit the awards section of our conference website at conference.csda.net for more information.

CSDA Awards Luncheon (Guest Only, without a conference registration): \$45

If you have any questions regarding the awards or the awards process, please contact Vanessa Gonzales at 877.924.2732 or by email at vanessag@csda.net.

Deadline for submissions is Friday, July 20, 2018. All applicants will be notified prior to the Annual Conference as to the winner.



BREAKOUT SESSIONS 2:00 – 3:30 p.m.

Be a Cyber-Sleuth: Current Fraud Trends and Preventing Cybercrime in Special Districts

CliftonLarsonAllen, LLP

Cybercrime is a threat to every organization and fraud remains a prevalent issue as well. This presentation discusses current trends in online crime and how to protect your special district.

Can't We All Just Get Along? Improving Board/Manager and Staff Roles and Relationships

Rauch Communication Consultants, Inc.

No area is more fraught with downsides or full of potential for mutual success than board and manager roles and relationships. This session provides a structured opportunity for expert presentation and review of case studies, questions and answers, and sharing of experiences on this important topic. You will take home ideas for change and improvement, including: how to evaluate whether to have committee meetings and if so, how to structure them; tips on how to ensure your board is focusing on the right information and issues, and how to provide clear policy direction to the manager; and a pain free and productive method for evaluating the manager's performance. This is an interactive session full of examples and real-world ideas.

CEQA for Board Members and Staff: Basics and Hot Topics

Best Best & Krieger, LLP and Albert A. Webb Associates

Special District actions must comply with fast-changing CEQA law. This panel will provide an overview of the CEQA process, provide an update related to the new CEQA Guidelines updates as well as break down the implications of recent legislation and court opinions for your agency.

Required Harassment Prevention Training (Part 1)

Burke, Williams & Sorensen, LLP

Presented by two dynamic employment attorneys, this fun, informational, and interactive workplace harassment prevention training will teach Special District officials and supervisors how to identify, prevent, and properly respond to workplace harassment, discrimination, retaliation and abusive conduct in order to avoid personal and agency liability in compliance with AB 1825/2053/1661.

How to Survive in a Unionized World

Atkinson, Andelson, Loya, Ruud & Romo

The grievances are piling up, the unfair labor practice charges keep coming in, and the union shop steward is back on the phone. With a unionized workforce, public agencies are faced with a litany of obligations, including: meet and confer requirements, union access rights, requests for information, and employee representation issues. Join us for a lively discussion on the labor relations issues your agency needs to understand to survive in a unionized world.

Trial and Error: FEHA Litigation Pitfalls

SDRMA and Devaney, Pate, Morris & Cameron

What are the protected classes under the Fair Employment & Housing Act (FEHA)? What is the critical exposure, general damages or attorney fees? We will discuss several cases in which the award of attorney fees exceeded the damages awarded to the plaintiff.

Virtual Leadership Academy: Providing a Training Alternative for Leadership Development

Placer County Water Agency

This presentation will showcase Placer County Water Agency's recently launched Virtual Leadership Academy, a self-paced, self-managed training curriculum for leaders and aspiring leaders.

SPECIAL DISTRICT LEADERSHIP FOUNDATION (SDLF)

◆◆◆◆
TASTE

**CASINO
- NIGHT -**
OF THE CITY

(All registered attendees welcome)

5:30 – 7:30 p.m.
Casino Night

Sample local food and beverages while enjoying casino games, music from our DJ, and a silent auction.

This party has a purpose. Attendees at this reception will have the opportunity to participate in the Special District Leadership Foundation (SDLF) silent auction to raise funds for scholarships. A special wine raffle will also be held at 6:30 p.m. Be sure to purchase tickets throughout the conference for the chance to win a deluxe 35-bottle wine cellar fully stocked. You must be present to win!

SDLF is an independent, non-profit organization formed to promote good governance and best practices among California's special districts through certification, accreditation, and other recognition programs. The SDLF and its activities are supported through the California Special Districts Association and Special District Risk Management Authority.

BREAKOUT SESSIONS 3:45 – 5:00 p.m.

Best Practices for a Successful Proposition 218 Rate Hearing

Best Best & Krieger, LLP, Fallbrook Public Utility District, and Raftelis Financial Consultants

Proposition 218 gives the minimum legal requirements for adopting new or increased property related fees and charges. This session will provide tips and best practices for a successful rate hearing.

Dangerous Condition of Public Property

SDRMA

How to protect your agency from the most common claim being filed against public entities today.

Don't Break the ICE (Internal Control Environment)

Maze and Associates

Beware of thin ICE (Internal Control Environment)! This session will discuss the structure of a well-designed internal control structure. This includes not only operations, but also reporting and compliance. We will touch on COSO's five integrated components. The session will conclude with some real examples and some common areas of "thin ICE" and how you can navigate around it.

From Managing Risk to Managing Reputation

Hermocillo-Azevedo Strategic Communications

Effective communication during times of crisis is vital for special districts to protect public safety, build trust and protect reputation. How can special districts – especially districts without full-time spokespersons – best prepare themselves to manage communications in a crisis? In this session, consultants will discuss how a risk management approach to crisis communications planning can create the right team, process and tool for effectively managing threats to the operations and reputations of special districts.

Governments Engaging Youth

Institute for Local Government

Engaging today's youth in local government offers a variety of benefits for both the youth and local government staff involved. Youth-civic engagement programs offer youth real life civic learning opportunities, teach 21st century skills and expose them to public sector careers. This workshop will highlight successful youth-civic engagement programs and offer insight on how local governments can partner with their local school districts to replicate similar programs that actively engage youth.

Required Harassment Prevention Training (Part 2)

Burke, Williams & Sorensen, LLP

See previous session description.

The Top Missteps Special Districts Should Avoid to Comply with Wage & Hour Laws

Liebert Cassidy Whitmore

Understanding some of the most common issues agencies are facing with wage and hour law is critical to minimizing your risk. We will discuss common missteps that we see and the means by which you can identify and work to alleviate your liability. Special areas of focus include overtime calculations, work periods, off-the-clock work, and exemption analysis.

Program Events

Thursday, September 27, 2018

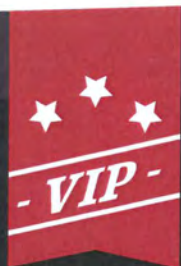
8:30 – 10:30 a.m.

Closing Breakfast: 2018 Legislative Impacts on Special Districts

CSDA's lobbying team will present attendees with the most up-to-date information on the outcome of the biggest state budget and legislative issues impacting special districts in 2018, as well as a sneak peak of what to expect in 2019. Get all the latest legislative results and learn what they mean for special districts going forward.

10:30 a.m.

Conference ends



7:30 – 9:00 p.m.
VIP After Party

New this year, conference attendees can earn their way into our VIP After Party – immediately following the "Taste of the City." Don't let the party stop – enjoy dessert and more entertainment while mingling with your fellow VIPs. Check your pre-conference information for more details!



TASTE

CASINO
- NIGHT -

OF THE CITY

WEDNESDAY, SEPTEMBER 26, 2018
5:30 – 7:30 p.m.

Sample local food and beverages while enjoying casino games,
music from our DJ, and a silent auction.



2018 CSDA ANNUAL CONFERENCE & EXHIBITOR SHOWCASE • INDIAN WELLS, CA

Attendee Registration Form

Three Ways to Register:

1. ONLINE by visiting the CSDA Annual Conference website at conference.csdanet.net.
2. FAX your registration form to 916-520-2465. All faxed forms must include payment.
3. MAIL to CSDA, 1112 I Street, Suite 200, Sacramento, CA 95814, please include registration form along with payment. Check should be made payable to: California Special Districts Association.

Not sure if you are a member?

Contact the CSDA office at 877-924-2732 to find out if your agency or company is already a member. To learn more about the benefits of membership, contact Member Services Director Cathrine Lemaire at cathrine@csda.net or call toll-free 877-924-2732.

Full conference registration fee includes:

- President's Reception with the Exhibitors Monday Evening
- Keynote Sessions and Breakout Sessions
- Continental Breakfast with the Exhibitors on Tuesday
- Lunch with the Exhibitors on Tuesday
- Mix and Mingle in the Exhibit Hall on Tuesday
- SDRMA Full Plated Breakfast on Wednesday
- Awards Luncheon on Wednesday
- SDFL "Taste of the City" Reception on Wednesday
- Closing Breakfast on Thursday

Name:		Title:		
District:				
Address:				
City:		State:	Zip:	
Phone:		Fax:		
Email:		Website:		
Member status: <input type="checkbox"/> Member <input type="checkbox"/> Non-member				
Special Needs (include dietary):				
Emergency Contact:				
Conference Registration Fees		Early Bird (on/before Aug. 24, 2018)	Regular (after Aug 24, 2018)	SUBTOTAL
<input type="checkbox"/> CSDA Member - Full Conference		\$600.00	\$650.00	
<input type="checkbox"/> Non-member - Full Conference		\$900.00	\$975.00	
<input type="checkbox"/> Guest - Full Conference (Cannot be from a district/company) <input type="checkbox"/> Vegetarian		\$300.00	\$325.00	
<input type="checkbox"/> CSDA Member - One-day registration <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday		\$325.00 each day	\$350.00 each day	
<input type="checkbox"/> Non-member - One-day registration <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday		\$485.00 each day	\$525.00 each day	
Separate Registration Fees		Member	Non-member	SUBTOTAL
<input type="checkbox"/> Pre-Conference Workshop: SDLA Module 1: Governance Foundations - Sept. 24		\$225.00	\$340.00	
<input type="checkbox"/> Pre-Conference Workshop: Policy and Procedure - Sept. 24		\$225.00	\$340.00	
<input type="checkbox"/> Pre-Conference Workshop: So, You Want to Be a General Manager - Sept. 24		\$100.00	\$100.00	
<input type="checkbox"/> Pre-Conference Workshop: The Strategies of a Special District Strategic Plan - Sept. 24		\$150.00	\$225.00	
<input type="checkbox"/> Pre-Conference Tour: Salton Sea Authority Tour - Sept. 24		\$ 48.00 (includes transportation and lunch) (limited to 45 attendees)		
<input type="checkbox"/> SDFL Scramble for Scholarships Golf Tournament - Sept. 24		\$ 115.00 (includes lunch)		
<input type="checkbox"/> CSDA Awards Luncheon (Guests only) - Sept. 26		\$ 45.00		
<input type="checkbox"/> SDFL "Taste of the City" Reception (Guests only) - Sept. 26		\$ 65.00 CSDA Member Guest	\$ 98.00 Non-member Guest	
TOTAL				
Payment type: <input type="checkbox"/> Check <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> AMEX <input type="checkbox"/> Discover				
Account name:		Account Number:		
Expiration date:		Authorized Signature:		

Cancellations/Substitution Policy: Cancellations must be in writing and received by CSDA no later than Friday, August 31, 2018. All cancellations received by this date will be refunded less a \$75 processing fee. There will be no refunds for cancellations made after August 31, 2018. Substitutions are acceptable and must be done in writing no later than September 14, 2018 at 5:00 p.m. Please submit any cancellation notice or substitution request to emily@csda.net or fax to 916-520-2465.

Consent to Use Photographic Images: Registration and attendance at, or participation in, CSDA meeting and other activities constitutes an agreement by the registrant to CSDA's use and distribution (both now and in the future) of the registrant or attendee's image or voice in photographs, videotapes, electronic reproductions, and audiotapes of such events and activities.

Anti-Discrimination and Harassment Policy: CSDA is dedicated to a harassment-free event experience for everyone. Our Anti-Discrimination and Harassment Policy can be found under "CSDA Transparency" at www.csdanet.net/about-csda/who-we-are.

Sept. 24 - 27, 2018

2018 CSDA Annual Conference
& Exhibitor Showcase

Renaissance Indian Wells
Resort & Spa

In order to reduce waste and control costs - you may be the only person at your organization receiving this printed brochure. To request additional copies call 877-924-2732 or visit conference.csdanet.net to download a PDF of the brochure."

MEMO

TO: Board of Directors
FROM: Fiscal Policy and Insurance (FP&I) Committee
DATE: July 23, 2018
SUBJECT: Ratification of the District's Fiscal Year 2018-19 Adopted Annual Budget

Purpose

Ratify the District's Fiscal Year 2018-19 Adopted Annual Budget (Budget).

Summary

The District's Budget format has been completely re-configured to align it with industry best management practices. The new format strives to provide the District's budget in an understandable and transparent manner. The District's sources and uses of funds are broken down in detail and the governing financial policies clearly applied. In addition, the District's detailed projected financial performance is provided to support enhanced financial planning. Staff's goal is to receive the Governmental Finance Officers Association (GFOA) award for budgeting excellence this year.

The schedule for the District's Budget adoption process is summarized below:

- **May Board meeting** – Staff provided an overview of the Budget document to acquaint the Board with the new format as well as provide a high level financial summary of the Budget
- **June 8th** – The Board's submitted questions and comments on the Draft Budget to the Board Secretary
- **June Board (June 19th)** – Staff will provided a detailed presentation of the Budget and addressed the Board's questions. The following Resolutions were approved by the Board:
 - Adopted the Budget Resolution Establishing the Fiscal Year 2018-19 Appropriations
 - Amended the Administrative Code to adjust the Metropolitan Water District's Readiness to Service Charge
- **July Board** – Board will vote to ratify the Budget in accordance with the District's Administrative Code.

Recommended Action

That the Board ratify the Budget.

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MEMO

TO: Board of Directors
FROM: Todd Lange, System Service/Shop Supervisor *TZ*
DATE: July 23, 2018
SUBJECT: AMI Meter Service Replacement Program

Purpose

To request board approval to purchase required meters and associated equipment to complete the transition for existing drive-by radio read Automatic Meter Reading (AMR) meters to fixed network Advanced Metering Infrastructure (AMI) meters that allow real time tracking and monitoring of water use.

Summary

In July 2015, the Board approved starting a 5-year program to replace existing drive-by Automatic Meter Reading (AMR) meters and associated radio based endpoints (ERT) that are exceeding their reliable lifespan and recommended replacement frequency with Advanced Metering Infrastructure (AMI) meters that allow for real time tracking. The replacement of these meters ensures that the District continues to have accurate readings of water usage by customers and allows the District to utilize newer meter technology with real time tracking, which will provide additional tools to customers along with the implementation of Water Smart software to track water use and identify leaks.

Meter Replacement

In 2002, the District purchased Hersey water meters with Itron encoder receiver transmitter (ERTs). Upon installation of the new meters and ERTs, the meter reading system was converted to a drive-by system. The drive-by system provided the District with more accurate reads and reduced the amount of staff needed to collect meter reads.

The District budget includes costs to transition from the drive-by meters to a real time fixed network for the vast majority of District customers over by the end of Fiscal Year 2020-21. Currently 5024 meters out of 9236 have been replaced or 54 percent. Meter inventory is low and it is necessary to get new meters ordered to maintain the schedule to complete the replacement by 2020-21. The meter replacement is being done using District staff. Staff is working with Itron and Water Smart in order to bring customers with the new meters online with real time tracking and monitoring.

The District conducted testing and surveyed other agencies and determined the Badger meters with Itron ERTs are the best solution for the District. The District worked with the manufacturers to ensure the pricing was competitive compared to other meter systems and other Districts' pricing. The proposed pricing for the meters, ERTs, and associated

fixed network infrastructure is attached. The total cost is \$492,624.67, and \$ 700,000 was budgeted for Meter Replacement in Fiscal Year 2018-19.

Recommended Action

That the Board approve the purchase of Badger meters from National Meter and Automation in an amount of \$287,920.48, including sales tax, and the purchase of 100W ERTs and AMI collectors and repeaters from Inland Water Works Supply Co. in an amount of \$204,704.19, including sales tax, to replace existing drive-by radio read meters that have reached the end of their useful life with fixed network AMI meters that will provide additional real time water usage monitoring tools for the District customers.



QUOTE

3 Faraday, Suite A
 Irvine, California 92618
 Phone: 949-445-7171
 Fax: 949-595-0958

QUOTE NUMBER: 062718RS-FPUD
DATE: Wednesday, June 27, 2018
QUOTED BY: Rob Sears
REQUESTED BY: Todd Lange
PHONE: 760-728-1125
EMAIL: todd@fpud.com
SHIP TO: Same

BILL TO:
 Fallbrook PUD
 990 E. Mission Rd
 Fallbrook, Ca 92028

SALESPERSON	PAYMENT TERMS	SHIPPING METHOD	SHIPPING TERMS	Subject to Review After:
Rob Sears	Net 30 Days	TBD	FOB Factory	Tuesday, September 25, 2018

QTY	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
870	Badger Meter M-35 3/4" x 7.5" NSF 61 Brz, Brz Bttm, SS Thrust Roller, Less Connections, HRE 8 Encoder US Gallons, PL Lid & Shroud, Keyed Seal Screw, Itron ILC w/Cable Armor, 5' Lead	\$ 177.00	\$ 153,990.00
263	Badger Meter M-55 1" x 10.75" NSF 61 Brz, Brz Bttm, Less Connections, HRE 8 Encoder US Gallons, PL Lid & Shroud, Keyed Seal Screw, Itron ILC w/Cable Armor, 5' Lead	\$ 232.00	\$ 61,016.00
50	Badger Meter M-120 1.5" x 13" NSF 61 Brz, Eliptical Long Drilled, w/Test Plug, Less Connections, HRE 8 Encoder US Gallons, PL Lid & Shroud, Keyed Seal Screw, Itron ILC w/Cable Armor, 5' Lead	\$ 463.50	\$ 23,175.00
22	Badger Meter M-170 2" x 17" NSF 61 Brz, Eliptical Long Drilled, w/Test Plug, Less Connections, HRE 8 Encoder US Gallons, PL Lid & Shroud, Keyed Seal Screw, Itron ILC w/Cable Armor, 5' Lead	\$ 638.50	\$ 14,047.00
6	Badger Meter T-450 3"x 12" NSF 61 Brz, Eliptical Long Drilled, w/Test Plug, Less Connections, HRE 8 Encoder US Gallons, PL Lid & Shroud, Keyed Seal Screw, Itron ILC w/Cable Armor, 5' Lead	\$ 987.50	\$ 5,925.00
2	Badger Meter T-1000 4"x 14" NSF 61 Brz, Eliptical Long Drilled, w/Test Plug, Less Connections, HRE 8 Encoder US Gallons, PL Lid & Shroud, Keyed Seal Screw, Itron ILC w/Cable Armor, 5' Lead	\$ 1,440.00	\$ 2,880.00
2	Badger Meter T-2000 6"x 18" NSF 61 Brz, Eliptical Long Drilled, w/Test Plug, Less Connections, HRE 8 Encoder US Gallons, PL Lid & Shroud, Keyed Seal Screw, Itron ILC w/Cable Armor, 5' Lead	\$ 3,400.00	\$ 6,800.00
	Price Adder for Reclaim Option on all Turbo Series Meter Configurations	\$ 59.50	\$ -
Taxes NOT included.			
Freight included on orders of \$25,000 or more.			

Sales Tax: To be quoted at time of order
Est. Lead Time: 4-6 weeks ARO

SUBTOTAL	\$ 267,833.00
SALES TAX	20,087.48
FREIGHT	Add

3 Faraday, Suite A
Irvine, California 92618
Phone: 949-445-7171
Fax: 949-595-0958

QUOTE NUMBER: 062718RS-FPUD
DATE: Wednesday, June 27, 2018
QUOTED BY: Rob Sears
REQUESTED BY: Todd Lange
PHONE: 760-728-1125
EMAIL: todd@fpud.com
SHIP TO:
Same

BILL TO:
Fallbrook PUD
990 E. Mission Rd
Fallbrook, Ca 92028

SALESPERSON	PAYMENT TERMS	SHIPPING METHOD	SHIPPING TERMS	Subject to Review After:
Rob Sears	Net 30 Days	TBD	FOB Factory	Tuesday, September 25, 2018

Grand Total 287,920.48

THANK YOU FOR YOUR BUSINESS!!

Standard Terms & Conditions

www.nationalmeter.com/legal



Inland Water Works Supply Co
2468 Miramonte Dr.
San Bernardino, Calif. 92405
909 883-8941 909 881-4041 Fax

Customer: Fallbrook PUD

Terms: Net 10th Prox

Contact: Todd Lange

E-Mail vaughnmiller@inlandwaterworks.com

Project: 100W+ 3 Port ERT's, TTL Antennas, Gopher Wire Quote
 CCU's , Repeaters, Direct Mount Antennas, Universal Mounts

Date 7/9/2018

Description	Quantity	Unit Price	Cost
100W+, Encoder with Integral Connector and Integral Connectors ERW-1300-403	1215	\$ 80.50	\$ 97,807.50
100W Through-the-Lid remote mount antenna Kit CFG-0900-003	1215	\$ 45.00	\$ 54,675.00
5ft SST Cable Armor for field installation FAB-1302-001 (500 - 1000) \$ 7.25	1215	\$ 7.50	\$ 9,112.50
CCU100, Internal GPS/WAN Antenna, AC Powered, AT&T WAN CCU-6028-022	2	\$ 5,000.00	\$ 10,000.00
Repeater 100, Internal GPS Antenna, AC RPT-6000-125	5	\$ 3,125.00	\$ 15,625.00
Direct Mounted, 900 MHz 5 dBi Gain Antenna with Mounting Hardware KIT-0050-001	7	\$ 295.00	\$ 2,065.00
AC Power Cable, 3 Pin Female to Unterminated, 144 inches CBL-0086-005	7	\$ 75.00	\$ 525.00
CCU Universal Mount Kit KIT-0048-001	7	\$ 87.50	\$ 612.50
		Subtotal	\$ 190,422.50
		Tax 0.075	\$ 14,281.69
		Total	\$ 204,704.19

M E M O

TO: Board of Directors
FROM: Soleil Develle, Engineering Technician
DATE: July 23, 2018
SUBJECT: Award of Sewer Mainline and Manhole Relining Fiscal Year 2018-19 (Job 3089)

Purpose

To request Board approval to award the Sewer Mainline and Manhole Relining Fiscal Year 2018-19 to the lowest responsive bidder.

Summary

As part of the District Capital Improvement Program, the District is improving the reliability of the Sewer Mainlines and Manholes. The District staff prepared a bid package for the relining of certain critical sewer mainlines (1724 Linear Feet) with cured-in-place lining, and certain manholes (12) that require in-place rehabilitation and epoxy coating. This work will significantly extend the life of these facilities. Bid opening was on June 27, 2018, and due to the specialty nature of the work, only two bids were received. A summary of the bid results is below:

<i>JOB 3089-Sewer Mainline and Manhole Relining FY19</i>	
BID RESULTS	
COMPANY	BID AMOUNT
Insituform Technologies, LLC	\$259,541.60
Nu Line Technologies, LLC	\$560,800.00

Insituform Technologies, LLC was the apparent lowest responsible bidder. \$485,000 was identified in the Fiscal Year 2018-19 budget for the collections system capital projects that includes this project. Insituform Technologies, LLC has previously done similar work for other agencies, and staff has reviewed other previous experience references to the District's satisfaction.

Recommended Action

That the Board authorize award of the Sewer Mainline and Manhole Relining FY19 project to the lowest responsible bidder of Insituform Technologies, LLC at an amount of \$259,541.60 to extend the life of the District sewer infrastructure.

MEMO

TO: Board of Directors
FROM: Jack Bebee, Assistant General Manager
 Kevin Collins, Purchasing/Warehouse Supervisor *KC*
DATE: July 23, 2018
SUBJECT: Santa Margarita Conjunctive Use Project Update and Award of Construction Management Services

Purpose

To update the Board on the status of the Santa Margarita Conjunctive Use Project and request Board approval for Construction Management Services to Terrapin Group to provide Construction Management Services for the Santa Margarita Conjunctive Use Project in the not to exceed amount of \$1,853,740.

Summary

Implementation of the Santa Margarita Conjunctive Use Project (SMRCUP) resolves the 66-year old water rights litigation between Camp Pendleton and the District, secures additional local water supplies to help provide additional water supplies during a drought, and provides the District a buffer from escalating imported water costs. The project includes facilities to be constructed by Camp Pendleton that are within its boundaries and facilities to be constructed by the District that are within the District boundaries. Figure 1 shows the facilities to be constructed by the District for the project.

In December of 2017, the Board approved the Board President and District water counsel to execute a Settlement Agreement with the United States and its filing with the Federal Court. The settlement agreement approved by the Board is still being finalized for approval by the United States Department of Justice. It is anticipated that process should be completed within four to six weeks, and the settlement can be filed with the Federal Court.

The environmental permitting is complete for the project and the EIR was certified by the Board on September 26, 2016.

The water rights permit process is close to being finalized with the State Water Resources Control Board (SWRCB). The draft permits were issued by the SWRCB on June 4 and the District provided comments to clarify some of the reporting and diversion accounting on July 1. It is anticipated that the final permit will be issued by the end of the year. The permits modify the existing permits and license so they are held jointly held by the District and Camp Pendleton and enable their use for this project. The funding through the State Revolving Fund (SRF) for the District's new water treatment plant and associated

distribution facilities has been arranged and will be finalized once the water rights permits are issued.

The design of the water treatment plant and distribution facilities is complete. Camp Pendleton has begun construction of its facilities, which are being funded through a federal appropriation for a total cost of \$47 million. Construction of District facilities is anticipated to be initiated in 2019 and will take approximately two years to complete. District facilities will be funded by a \$45 million SRF loan that has a 20-year term and an interest rate of approximately 1.85%.

Due to the size and complexity of the construction project, Construction Management Services are required to handle the day-to-day oversight of the general contractor who will ultimately be awarded the contract to construct the new facilities. This Construction Manager will be involved in all aspects of the project, including:

- Pre-Award and Pre-Construction Services – conducting a constructability review, coordinating pre-construction meetings and assisting with the pre-qualification of the contractor.
- Construction Management Support Services – providing general project administration, change order management and control, claims support, RFI management, schedule monitoring, and progress meetings.
- Quality Assurance and Field Inspection Services – inspection of pipelines, geotechnical applications, electrical, and instrumentation and controls including material quality assurance.
- Commissioning, Startup Coordination and Support – facilitate startup meetings, interface between FPUD staff and manufacturers, coordinate the contractor's Commissioning Plan, and create a punch-list as required.
- Agency Coordination – deal with utility companies, help provide encroachment permits, and work with Camp Pendleton (CPEN) as necessary.
- Public Involvement – communicate with stakeholders affected by construction activities, conducting public meetings when necessary, and fielding complaints and coordinating those responses with FPUD staff.
- Project Closeout Assistance – final reports, as-built drawing preparation, final project accounting, and closeout Change Orders.

These are just some of the many tasks the Construction Management firm will be responsible for.

After an initial Request for Proposals (RFP) was issued on May 16, 2018, a mandatory pre-bid meeting was conducted on May 29, 2018. Firms who submitted proposals before the deadline of June 14, 2018, and were found to be fully responsive, were invited to an interview. These four firms interviewed with an FPUD selection committee consisting of Jason Cavender, System Operations Manager for FPUD; Jeff Marchand, Engineering Supervisor for FPUD; and Terry Smith, Engineering Manager for City of Carlsbad on June 20, 2018.

Each firm was rated on four criteria including reputation in the industry, interview, experience with similar projects, and staffing capability (price was not a criterion for selection). After all scores were tallied, the selection committee concluded that Terrapin Group received the highest score of the firms considered and would therefore be recommended to win the award in accordance with qualification-based selection requirements for professional services.

The overall range of cost proposals was \$1,853,740 to \$2,889,253 with Terrapin Group's proposal being the lowest while still utilizing an experienced Construction Manager. The Construction Manager proposed by the Terrapin Group has a proven track record of successful projects in the region, including the FPUD Water Reclamation Plant remodel that was completed ahead of schedule and under budget. The proposed scope and fee is attached as Exhibit 2. The cost for Construction Management Services was included in the overall cost for the project that was adopted by the Board in the annual budget.

Recommended Action

That the Board authorize award of a Construction Management Services Contract for the Santa Margarita Conjunctive Use Project to Terrapin Group as an hourly rate not to exceed professional services contract for \$1,853,740, per the scope and fee, to provide construction oversight for the District.

Exhibit 1



Figure 1 – District SMRCUP Facilities

Exhibit 2

SCOPE OF WORK

CONSTRUCTION MANAGEMENT - SCOPE OF SERVICES

Terrapin Group is providing the following detailed scope of services for use in the Professional Services Agreement. In developing this scope, we have incorporated FPUD's requested scope as presented in the Request for Proposal as well as additional items we anticipate will be included.

Terrapin Group will provide on-site Construction Management services to support FPUD. We will be responsible for the overall day-to-day construction management of the project. Terrapin Group will be the onsite representative responsible for project administration, for monitoring the quality and progress of the construction, and for ensuring the timely processing of relevant correspondence.

Terrapin Group will provide a Contract Administrator who, among other responsibilities, will oversee the receiving, logging, distributing, and tracking of all correspondence between the Contractor, Terrapin Group, FPUD, and the Design Engineer.

Additionally, Terrapin Group will provide inspection services and engineering support services through construction completion to provide continuity of design intent.

TASK 1 – PRE-AWARD AND PRE-CONSTRUCTION SERVICES

1.1 Constructability Review: Terrapin Group's team will perform a constructability review of the project documents during the design and pre-bid phase of the project. We anticipate that our team will perform these services at the 100% and bid-package phases of the design. The constructability review process includes checking the project documents (drawings and specifications) for completeness, compliance with specifications and related design criteria, and physical feature or system interface points. Potential coordination issues, missed details, time delays, potential liabilities and, importantly, inter-Contractor coordination items will be identified as soon as possible and prior to final publishing of the documents.

The constructability review will include, but not be limited to:

- Review of the contract documents for clarity, consistency, completeness, and the ease of construction to facilitate the achievement of overall project objectives.
- Review of the contract documents to identify interfaces and potential interfaces between adjacent contracts/facilities.
- Review of the contract documents for any observed omissions, inconsistencies, etc. among the contract requirements.
- Review of the contract documents for vagueness and ambiguities to minimize change orders.
- Review of specific schedule requirements, including sequence of construction, phasing/phase transitions, milestones, funding requirements, and overall project duration, including impact of equipment lead times and storage requirements to help ensure coordination and prevent interruptions to existing operations.
- Review of the Engineer's opinion of probable construction cost for completeness and accuracy, and considering market conditions.
- If applicable, recommendations for the use of more cost-effective alternative materials or design concepts.
- Constructability Review considerations should include:
 - Site constraints regarding implementation of the project
 - Plant shutdowns, tie-ins, and interim operations
 - Commissioning, start-up, testing, and training activities
 - Adequacy of the operational training requirements and durations

SCOPE OF WORK

- O&M manual development and documentation
- Environmental Mitigation and Monitoring Plan requirements
- Geotechnical requirements
- Availability of materials/equipment
- Coordination and documentation of pre-negotiated equipment and services

Additionally, Terrapin Group will prepare a pre-construction schedule and agenda and participate in the pre-bid meeting. During the bid period, we will be available to answer any construction-related inquiries. Once all construction bids are received, Terrapin will conduct an evaluation and prepare a recommendation of the apparent low bidder.

- 1.2 Constructability Reports:** Terrapin Group will prepare a report of the results obtained from the constructability review and will conduct a workshop with FPUD and Engineer. Terrapin Group's report will include a proposed sequence of construction, construction schedule (with key completion milestones), a list of required shop drawings submittals (with estimated level of review labor hours), rough order magnitude estimate of impacts to schedule and/or cost, recommended critical changes to the construction document based on bid ability, constructability, and potential value-added changes to the construction documents.
- 1.3 Pre-Construction Meeting:** Terrapin Group will manage all aspects of the pre-construction conference to include scheduling, creating agenda, overseeing meeting and distributing conference minutes. The pre-construction meeting will cover, at a minimum, the overall project objectives, responsibilities of key personnel and agencies, schedules, schedule of values (bid breakdown), procedures for handling submittals, correspondence, utility relocations, local agency permit requirements, requests for clarification, progress payments, prevailing wage requirements, change orders, safety issues, emergency response requirements, and other pertinent topics. Terrapin Group will address all construction concerns at the conference and will comment on the Contractor's proposed means of construction and preliminary schedule.

TASK 2 – CONSTRUCTION MANAGEMENT SUPPORT SERVICES

- 2.1 General Project Administration:** Terrapin Group will provide a representative to act as FPUD's Construction Manager (CM) on the project. Franz Schauer will be responsible for the overall day-to-day construction management of the project. He will be on-site daily on a full-time basis and will be responsible for project administration, for monitoring quality and progress of the construction, and to ensure the timely processing of project correspondence.
- 2.2 Correspondence Processing/Coordination:** Terrapin Group will develop logs and project management systems to track status and completion of relevant correspondence and required actions/responses. Items to be tracked include RFIs, Submittals, Potential Change Orders, Progress Payments, and Project Correspondence.
- 2.3 Change Management and Control:** Terrapin Group will be the lead to coordinate Change Order proposals and/or time extensions requested by the Contractor. Terrapin Group will consult with FPUD to review and negotiate proposed Change Orders. We will prepare, log, and monitor Contractor or FPUD initiated changes to the work, extra work, and change orders. Terrapin Group will request cost proposals from the Contractor for extra work and assist with negotiation of final cost. Written justifications and cost estimates will be developed for all extra work and change items and will include statement of the extra work or change; background leading to issue; resolution alternatives and resolution recommendation for action by FPUD.
- 2.4 Claims Support:** Terrapin Group will provide assistance to FPUD with reviewing claims submitted by the Contractor. Terrapin Group will review and document claims, as well as, make investigations to either substantiate or refute claims. Terrapin Group will advise FPUD of methods and approaches for resolving claims and assist FPUD with negotiations to resolve claims.

SCOPE OF WORK

Terrapin Group will identify, prepare, log, and monitor Contractor potential claims. We will report all verbal and written claims immediately to FPUD and coordinate claims with FPUD's Project Manager. Terrapin Group will prepare written explanation of each claim with full background of issues, proposed resolution alternatives, and resolution recommendation for action. We will assist and support FPUD in resolving claims and disputes, including written responses to Contractor and private parties, giving depositions, assisting with dispute resolution, arbitration and litigation, serving as an expert witness, investigating claims for damages by private sources, design services for replacement of damaged work, and services made necessary by Contractor default. We will help negotiate claims to an agreed conclusion. Terrapin Group will investigate claims for damages by private parties and will coordinate the written response with FPUD's Project Manager.

- 2.5 **RFI Management:** Terrapin Group will coordinate responses to RFIs in a timely manner in order to prevent construction delays. All RFIs requiring the Engineer's technical input will be sent to the Engineer. We will work with the Engineer to prepare drawings, sketches, and written replies as needed to respond. Terrapin Group will review responses with FPUD and advise staff of any potential changes in the construction scope of work. Terrapin Group will log and track all RFIs and will inform FPUD staff of any outstanding RFIs. Under a coordinated effort with FPUD systems and staff, Terrapin Group will use their own systems/tools to track status and completion of relevant correspondence and required actions/responses.

Terrapin Group, in consultation with FPUD will review and respond to requests for design revisions by the Contractor, understanding that revisions in design may require extensive research, evaluation, and recommendation from the FPUD Project Manager.

Additionally, Terrapin Group will initiate and review field orders when a change in the work is needed to maintain the design intent. We will issue the field order to the Contractor and monitor the work for compliance. Track the issued field orders and record the changes in the record specifications and plans. If required, we will follow-up with a change order received from FPUD Purchasing after mutual agreement with Contractor on pricing and conditions. Coordinate evaluation of "or-equal" or product substitution requests with the FPUD Project Manager, Design Engineer, vendors, manufacturers, and others. Prepare evaluation and recommendation for "or-equal" or product substitution requests. Update continually the plans and specifications as the work progresses. Incorporate modifications and changes from all sources, such as submittals, RFI, field orders, extra work, and change orders. On a monthly basis, we will compare the record drawings and specifications with the Contractor record drawings and specifications.

- 2.6 **Shop Drawings/Submittals:** Terrapin Group will coordinate with the Engineer on the review of routine submittals received from the Contractor to ensure conformance with drawings and specifications. Terrapin Group will prepare a list of expected submittals and compare it to the Contractor's list of submittals. The review will be prompt and in accordance with the contract documents. Terrapin Group will log and track shop drawing submittals and will inform FPUD staff of any outstanding shop drawings. All correspondence will be copied to FPUD. Under a coordinated effort with FPUD systems and staff, Terrapin Group will use their own systems/tools to track status and completion of relevant correspondence and required actions/responses. The administrative procedures will include timely distribution of submittals and responses, timely updates to tracking logs, and weekly status reports that identify outstanding items.
- 2.7 **Schedule Monitoring and Reviews:** Terrapin Group will review the Contractor's Baseline Schedule and subsequent monthly schedule submittals, and analyze critical path activities, floats, and intermediate milestones, etc. Terrapin Group will prepare a monthly summary comparing work performed versus work projected/published in the monthly construction schedules for discussion in recurring construction progress meetings. Terrapin Group will evaluate schedule changes (deviations) and review Time Impact Analyses (TIAs) submitted by the Contractor. Terrapin Group will advise FPUD of potential claims resulting from schedule deviations and TIAs. Terrapin Group will prepare a schedule narrative that will assist in review of schedule updates, and will prepare independent TIAs to validate/counter Contractor's TIA.
- 2.8 **Meetings:** Terrapin Group will attend and lead weekly progress meetings to include FPUD, Engineer, and Contractor. Terrapin Group will prepare agendas and minutes for these meetings and distribute to all parties. Meeting agendas will include a three-week look-ahead schedule, discussion of schedule impacts, review of outstanding RFIs, submittals and

SCOPE OF WORK

change orders, review of any safety issues, and discussion of public relations efforts or needs. The CM will identify action items and assign responsibility and expected time-frames for addressing and resolving issues. Terrapin Group will review the meeting minutes with the Contractor and obtain the Contractor's concurrence with the content. Additionally, we will attend other construction-related meetings as requested by FPUD.

- 2.9 **Pay Requests:** Terrapin Group will review the various Contractor pay requests and reconcile the work done with the pay request. Terrapin Group will work with the Contractors on required corrections to the pay request. Terrapin Group will ensure the pay requests are in the format required by FPUD. Terrapin Group will submit the requests to FPUD along with a written statement that they have been reviewed.
- 2.10 **Record Drawings:** Terrapin Group will keep independent set of red-line drawings. Terrapin Group will ensure that recorded field changes (including RFI responses) and corrections identified during the construction phase are appropriately added to plan drawings and are properly captured in the final record drawings. Terrapin Group will incorporate changes as they occur into a working field set of reproducible record drawings and provide these drawing mark-ups to the Engineer once substantial completion of construction has been achieved.
- 2.11 **Monthly Progress Reports:** Terrapin Group will prepare monthly progress reports for FPUD staff. The progress reports will include:
- A summary of the main accomplishments over the previous month
 - Highlights of any unresolved issues discussed during the monthly meetings
 - A summary of current construction activities
 - A summary of progress payments, change orders, disputes, submittals, RFIs and Notices of Noncompliance
 - Identification of key problems/issues, action items and recommended solutions
 - Overall Contractor's conformance to the contract schedule and adherence to quality requirements
 - Photographs of representative project activities

TASK 3 – QUALITY ASSURANCE AND FIELD INSPECTION SERVICES

- 3.1 **Quality Assurance/General Inspection:** Terrapin Group will provide inspections as necessary to ensure that materials and workmanship are in compliance with the contract documents. We will coordinate delivery, inspect for defects or missing parts, and oversee recording the receipt and storage of equipment. Terrapin Group will inspect construction activities, which are identified in the contract documents to be performed at night, weekends, and/or holidays. We will prepare reports of the construction activities including Contractor's equipment and manpower, work performed, materials used, site visitors, delays in work and reasons for the delays, and deficiencies. We will prepare reports of deviations and non-conformance to specifications and provide responses in accordance with the specification requirements. Terrapin Group will advise the FPUD Project Manager, Design Engineer, and the Contractor of deviations in the work and document those deviations. We will record deviations that are not corrected and immediately deliver a Notice of Non-Compliance to the Contractor. We will perform necessary follow-up to resolve Notices of Non-Compliance and include unresolved Notices of Non-Compliance on substantial completion punch lists. Terrapin Group will track all deviations to specifications and drawings for use in preparing as-built plans. We will immediately notify the FPUD Project Manager if any safety violations are observed. Additionally, we will coordinate necessary shutdowns with FPUD staff to complete connections to existing facilities.
- 3.2 **Pipeline Inspector:** Terrapin Group will provide inspection services during construction for the inspection of all pipeline work and road improvements. Terrapin Group will also coordinate with other inspection services either performed by the FPUD or contracted directly by the FPUD. Terrapin Group will, prior to attending requested inspections, will confirm with the FPUD, the need for Terrapin Group's participation in the inspection.
- 3.3 **Geotechnical Inspection:** Terrapin Group's subconsultant will provide geotechnical observation and compaction testing as required by the Construction Manager.

SCOPE OF WORK

- 3.4 **Materials/Structural Inspection:** Terrapin Group's subconsultant will provide structural and materials inspection and laboratory testing. Structural inspection services will include masonry, concrete, and reinforcement inspection as required by the Construction Manager.
- 3.5 **Electrical Inspection:** Terrapin Group's subconsultant will provide electrical and "Green Tag" inspection services as required by the Construction Manager.
- 3.6 **Instrumentation and Controls Inspection:** Terrapin Group will provide Instrumentation and Controls Inspection during installation and construction activities as required by Construction Manager.

TASK 4 – COMMISSIONING/STARTUP COORDINATION AND SUPPORT

4.1 **General Coordination:** Commissioning and testing will demonstrate satisfactory operation of the facility, as well as individual equipment and systems. Terrapin Group will coordinate the commissioning schedules, and associated testing and (staff) training activities, with the Contractor, FPUD and the Engineer. FPUD, Terrapin Group, and the Engineer will witness all major process functional and control systems tests are successful. Terrapin Group will document all commissioning activities and certify the project is complete and the facility is ready for service. After completion of all functional testing and staff training, the Engineer will assist the FPUD with an operational test of the entire facility. A summary of commissioning activities and Terrapin Group involvement will include, but not be limited to:

- Terrapin Group will coordinate the development and early submittal of a detailed Commissioning Plan by the Contractor that provides the detailed step-by-step activities and designation of responsibilities.
- The Contractor will prepare detailed start-up plans for all systems with input from Terrapin Group, FPUD, and the Engineer. The plans will include performance test pass-fail criteria and data collection sheets.
- Terrapin Group will review the Plan with FPUD and the Engineer to ensure it includes a complete listing of components, systems, and tests, including: factory, functional, and performance tests that are in accordance with the approved Facility Operations and Control Strategy. Major elements of the plan will include testing of all mechanical equipment, hydrostatic testing of piping, electrical testing of specified equipment, instrumentation and controls testing, and equipment/systems performance testing.
- Terrapin Group will facilitate sequencing and start-up meetings with FPUD, the Contractor, equipment suppliers, and Subcontractors (including a kick-off meeting and subsequent meetings to coordinate scheduling of events).
- Terrapin Group will interface between FPUD staff, equipment manufacturer representatives, specialists, and appropriate start-up technicians provided by the Contractor and/or equipment suppliers.
- The Engineer will review system performance data for conformance with contract document requirements.
- Terrapin Group will document each performance test in accordance with the Contract Documents. Terrapin Group will inform the Contractor of any failure of equipment, malfunctions, and/or deficiencies.
- Terrapin Group will provide the Contractor a written notice of acceptance upon completion of the continuous 7-day operational test.
- Terrapin Group, in consultation with FPUD, will provide the Contractor a punch list of items not in compliance with the Contract Documents.

TASK 5 - AGENCY COORDINATION

5.1 **General Coordination:** Terrapin Group will coordinate with all Agencies and all utility companies that are affected by the work.

SCOPE OF WORK

- 5.2 **Encroachment Permits:** Terrapin Group will advise the local agencies of the schedules and progress of work affecting roads or facilities. Terrapin Group will attend meetings with the agencies as needed. Terrapin Group will review the traffic control efforts for adherence to approved plans and standards and report any deviations to the Contractor and FPUD. Terrapin Group will review street restoration work for conformance with Contractor, agency standards, and normal quality standards. Any quality control problems will be reported to the FPUD and the Contractor immediately.
- 5.3 **Utility Companies:** Terrapin Group will coordinate any work affecting utilities with the utility company. Terrapin Group will advise FPUD of all coordination efforts.

TASK 6 - PUBLIC INVOLVEMENT

- 6.1 **Community Relations:** Terrapin Group will work with FPUD to coordinate the Contractor's work and communications involving service interruptions, private driveway closures, private property damage claims, private property restoration work, and public complaints.
- 6.2 **Complaints:** Terrapin Group will document and investigate public complaints. Terrapin Group will advise FPUD of concerns and findings. Terrapin Group will assist FPUD with the complaints, as needed.
- 6.3 **Public Meetings:** Terrapin Group will attend and assist FPUD with public meetings as requested.

TASK 7 - PROJECT CLOSE-OUT ASSISTANCE

- 7.1 **Project Close-Out:** Terrapin Group will be responsible for coordination of close-out activities including final reports, as-built drawing preparation, final project accounting, and close-out Change Orders. Terrapin Group will provide project closeout assistance to FPUD. This may include any remaining negotiations of claims and/or time extensions requested by the Contractor, coordination of the final punch list with FPUD and assistance with resolution of final project issues. Terrapin Group will prepare detailed project punch lists at substantial completion of the project. Upon correction of deficiencies, we will schedule, coordinate, and conduct a final walk-through with FPUD staff prior to the acceptance of work. We will provide certification of Contractor's compliance on work items specifically requested by FPUD and will verify that work, testing, cleanup, and Contractor demobilization are complete. Final project records and documents will be turned over to FPUD upon completion of the project. Terrapin Group will deliver the Operations and Maintenance Manuals and any spare parts and equipment to FPUD upon acceptance of the completed project. We will review and certify that the Contractor's project record drawings are complete and accurate and will provide the drawings to the FPUD Project Manager. Terrapin Group will recommend final payment in the form of release of retention to the Contractor in accordance with contract requirements and verify that the Contractor has made all payments to the subcontractors and vendors and that any stop notices or liens have been released. Additionally, we will obtain Unconditional Waiver of Lien as appropriate from the Contractor prior to recommending final payment.



**Fee Estimate for Fallbrook Public Utility District
Construction Management and Inspection Services
Santa Margarita Conjunctive Use Project Facilities**

Task Item	Terrapin		Southern California Soils & Testing (SCST)					CPM	PCS	RCS
	Senior Construction Manager	Project Administrator	Pipeline Inspector	Geotech/ Materials Engineer	Structural Inspection	Geotech Inspection	Laboratory Testing	Schedule Review	I&C / SCADA	Electrical Inspection
Hourly Rates	\$ 175.00	\$ 95.00	\$ 150.00	\$ 135.00	\$ 110.00	\$ 110.00	\$ 50.00	\$ 155.00	\$ 145.00	\$ 155.00
Task 1 - Pre-Construction Services										
1.1 Constructability Review	80			20						\$ 16,700.00
1.2 Constructability Reports	24	10								\$ 5,150.00
1.3 Pre-Construction Meeting	24	10								\$ 5,150.00
Subtotal Task 1 - Pre-Construction Services										\$ 27,000.00
Task 2 - Construction Management Support Services										
2.1 General Project Administration	930	560								\$ 215,950.00
2.2 Correspondence Processing/Coordination	400	600								\$ 127,000.00
2.3 Change Management and Control	400	110		40						\$ 85,850.00
2.4 Claims Support	200	120								\$ 46,400.00
2.5 RFI Management	400	600								\$ 127,000.00
2.6 Shop Drawings/Submittals	160	500								\$ 75,500.00
2.7 Schedule Monitoring and Reviews	150	80					400			\$ 95,850.00
2.8 Meetings	160	120								\$ 39,400.00
2.9 Pay Requests	180	100								\$ 41,000.00
2.10 Record Drawings	160									\$ 28,000.00
2.11 Monthly Progress Reports	240	300								\$ 70,500.00
Subtotal Task 2 - Construction Management Support Services										\$ 952,450.00
Task 3 - Field Inspection Services										
3.1 Quality Assurance/General Inspection	600									\$ 105,000.00
3.2 Pipeline Inspection			2100							\$ 315,000.00
3.3 Geotechnical Inspection				80		700				\$ 87,800.00
3.4 Materials/Structural Inspection	200				50		240			\$ 52,500.00
3.5 Electrical Inspection	200								220	\$ 69,100.00
3.6 Instrumentation and Controls Inspection									280	\$ 40,600.00
Subtotal Task 3 - Field Inspection Services										\$ 670,000.00
Task 4 - Commissioning/Startup Coordination & Support										
4.1 General Coordination	180	60								\$ 37,200.00
Subtotal Task 4 - Commissioning/Startup Coordination & Support										\$ 37,200.00
Task 5 - Agency Coordination										
5.1 General Coordination	160	100								\$ 37,500.00
5.2 Encroachment Permits	40									\$ 7,000.00
5.3 Utility Companies	40									\$ 7,000.00
Subtotal Task 5 - Agency Coordination										\$ 51,500.00
Task 6 - Public Involvement										
6.1 Community Relations	40	20								\$ 8,900.00
6.2 Complaints	80	20								\$ 15,900.00
6.3 Public Meetings	40	20								\$ 8,900.00
Subtotal Task 6 - Public Involvement										\$ 33,700.00
Task 7 - Project Close-Out Assistance										
7.1 Project Close-Out	160	240		20						\$ 53,500.00
Subtotal Task 7 - Project Close-Out Assistance										\$ 53,500.00
Total Hours=	5248	3570	2100	160	50	700	240	400	280	220
Subtotal for Subconsultants			\$ 315,000	\$ 21,600	\$ 5,500	\$ 77,000	\$ 12,000	\$ 62,000	\$ 40,600	\$ 34,100
Special Inspection Subtotal			\$ 15,750.00	\$ 1,080.00	\$ 275.00	\$ 3,850.00	\$ 600.00	\$ 3,100.00	\$ 2,030.00	\$ 1,705.00
Mark-up (5%) for Subconsultants										\$ 28,390.00
Total Project Costs=	\$ 918,400	\$ 339,150	\$ 330,750	\$ 22,680	\$ 5,775	\$ 80,850	\$ 12,600	\$ 65,100	\$ 42,630	\$ 35,805
										\$ 1,853,740.00

Footnotes

1. Inspection rates shown are for prevailing wage projects
2. Senior Construction Manager and Project Administrator hourly rates include all service fees and travel costs
3. Cost estimate is based on 3 months of pre-construction activities, followed by 24 months of construction, followed by 1 month of closeout
4. Pipeline Inspector is anticipated to work full time for a one year period during the peak of construction
5. Should project scope be reduced following contractor's bid proposals, above CM scope will change appropriately

MEMO

TO: Board of Directors
FROM: Personnel Committee
DATE: July 23, 2018
SUBJECT: Proposed Reorganization and Associated Job Classification Changes

Purpose

To obtain approval for the proposed reorganization and the associated changes to the job titles, job descriptions and salary ranges for the Lead System Operator and System Operations Manager job classifications.

Summary

The reorganization was proposed primarily to address the staffing and operational challenges resulting from the recent retirement of the Chief Plant Operator and the anticipated retirement of the current Engineering Supervisor. The reorganization includes deleting the vacant Assistant General Manager position, upon ratification of the new General Manager contract, the creation of one new position, Senior Engineer, who will eventually supervise the GIS Specialist (1), Engineering Technician (3) and Operations Specialist (1), and replace the engineering supervisor position upon his retirement. The reorganization results in an overall reduction in staffing of one position as shown on the revised attached organizational chart and includes the following reclassifications:

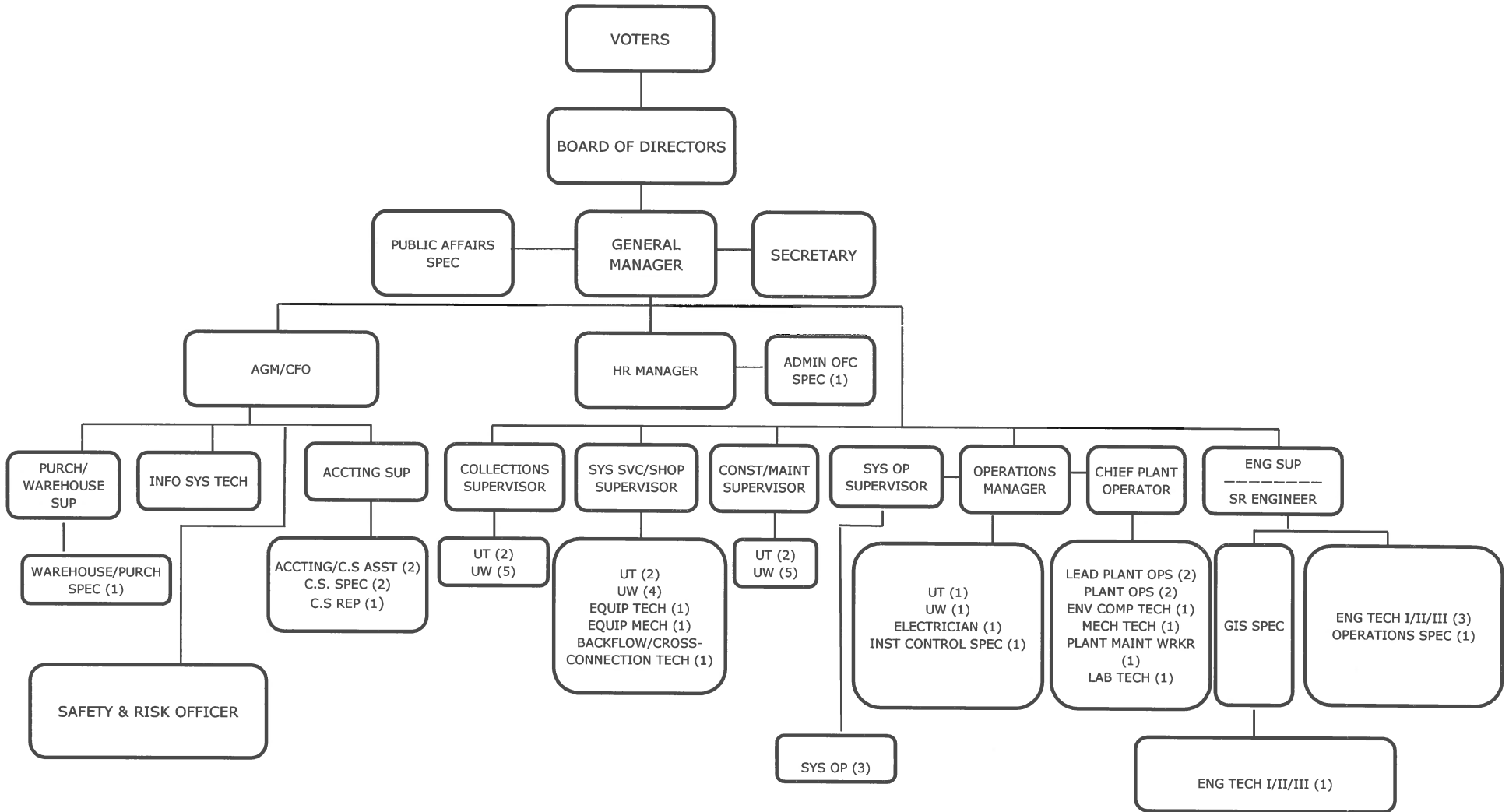
- Lead System Operator to System Operations Supervisor – This change reflects the incumbent's responsibility for the first-level supervision of operations crews and the day-to-day implementation of the District potable water UV treatment and disinfection system, and distribution systems. The Systems Operators (3) will report to the System Operations Supervisor, instead of directly to Operations Manager.
- System Operations Manager to Operations Manager – This change reflects the incumbent's managerial responsibility for water, wastewater and recycled water operations. In addition, the Chief Plant Operator position, which previously reported to the Assistant General Manager, will report to the Operations Manager.

The annual salary ranges for System Operations Supervisor (\$86,424-\$107,973) and for Operations Manager (\$119,163-\$148,824) were arrived at based on a review and analysis of market data for comparable positions and ultimately determined given the District's established classification/position salary ranges for FY 17-18. The fiscal impact of these changes will be more than off-set by the elimination of the Assistant General Manager position as shown on the attached table and the overall changes will result in an initial annual salary savings of approximately \$92,000 per year.

Recommended Action

It is recommended that the Board approve the reorganization and the associated changes to the job titles, job descriptions and salary ranges for the Lead System Operator and System Operations Manager job classifications and revisions per the attached organizational chart to reduce staffing by one position which will save the District approximately \$92,000 per year.

**FALLBROOK PUBLIC UTILITY DISTRICT
May 2018**



67 Total Positions

RECOMMENDED TITLE AND SALARY ADJUSTMENTS

CURRENT TITLE & SALARY RANGE	PROPOSED TITLE & SALARY RANGE	5% SALARY INCREASE (to *Current Salary)	INITIAL SALARY (COST) (Proposed Salary + 5% Increase - *Current Salary)	FUTURE SALARY (COST) (Based on Top Step of Proposed Range)
Lead System Operator Range 35, \$76,398-\$95,409/yr. *Current Salary = \$95,409 (Top Step)	System Operations Supervisor Range 40 = \$86,424-\$107,973/yr.	*\$95,409 + 5% = \$100,179 (Step 7)	*\$95,409 - \$100,179 = -\$4,770	*\$95,409 - \$107,973 (Step 10) = -\$12,564
System Operation Manager Range 48, \$105,310-\$131,539/yr. *Current Salary = \$131,539 (Top Step)	Operations Manager Range 53 = \$119,163-\$148,824/yr.	*\$131,539 + 5% = \$138,116 (Step 7)	*\$131,539 - \$138,116 = -\$6,577	*\$131,539 - \$148,824 (Step 10) = -\$17,285
			Total Initial Salary (Cost) = -(\$11,347)	Total Future Salary (Cost) = -(\$29,849)
TOTAL Approximate Annual Salary Savings (Assistant GM Salary, \$220,140 - Sr. Engineer Salary, \$116,256 = \$103,884)			\$103,884-\$11,347 = \$92,537	\$103,884-\$29,849 = \$74,035

SALARY SCHEDULE
EFFECTIVE JULY 23, 2018

Classification	Positions	Salary Range
Accounting/Customer Service Assistant I & II	2	19 & 23
Accounting Supervisor	1	40
Administrative Office Specialist	1	21
Backflow/Cross-Connection Technician	1	27-28
Collection Supervisor	1	39-41
Construction/Maintenance Supervisor	1	39-41
Customer Service Representative I & II*	2	15 & 19
Customer Service Specialist*	1	25
Engineering Supervisor	1	34-36
Engineering Technician I, II & III	3	20-22/27-28/31-32
Environmental Compliance Technician	1	36-37
Equipment Mechanic	1	25
Equipment Technician	1	30-31
Geographical Information Systems (GIS) Specialist	1	32
Information Systems Technician	1	31
Instrumentation and Control Specialist	1	35-38
Laboratory Technician I & II	1	28-29/32-33
Lead Plant Operator	2	30-31
Operations Supervisor	1	40
Maintenance Electrician	1	28-32
Mechanical Technician	1	29-31
Operations Specialist	1	21-22
Plant Maintenance Worker I & II	1	15-17/18-21
Plant Operator (I-T), I, II	2	16-17/22-23/26-27
Public Affairs Specialist	1	36
Safety & Risk Officer	1	43-45
Secretary	1	36
Systems Operator I & II	3	24-25/28-29
System Service/Shop Supervisor	1	39-41
Utility Technician (Water and Wastewater)	7	23-27
Utility Worker I & II (Water and Wastewater)	15	15-17/18-21
Warehouse/Purchasing Specialist	1	27-28
Purchasing/Warehouse Supervisor	1	37-38
<u>Management-(Exempt)</u>		
General Manager	1	\$243,984
Acting General Manager	1	\$18,345.60
Assistant General Manager/ District Engineer	1	66
Assistant General Manager/ CFO	1	62
Chief Plant Operator	1	45-46
Operations Manager	1	53
Human Resources Manager	1	53
Senior Engineer	1	52

Appendix B
Added 6/22/15

*=Customer Service Representatives/Specialists combined cannot exceed 3 total positions.

Board Approved
Revision Date
7/15, 1/16, 9/17

Range #	FY 18-19 Monthly Salary Range									
	Step A	Step B	Step C	Step D	Step E	Step F	Step G	Step H	Step I	Step J
1	\$2,751	\$2,818	\$2,889	\$2,962	\$3,035	\$3,111	\$3,189	\$3,269	\$3,351	\$3,434
2	\$2,818	\$2,889	\$2,962	\$3,035	\$3,111	\$3,189	\$3,269	\$3,351	\$3,434	\$3,520
3	\$2,889	\$2,962	\$3,035	\$3,111	\$3,189	\$3,269	\$3,351	\$3,434	\$3,520	\$3,609
4	\$2,962	\$3,035	\$3,111	\$3,189	\$3,269	\$3,351	\$3,434	\$3,520	\$3,609	\$3,699
5	\$3,035	\$3,111	\$3,189	\$3,269	\$3,351	\$3,434	\$3,520	\$3,609	\$3,699	\$3,791
6	\$3,111	\$3,189	\$3,269	\$3,351	\$3,434	\$3,520	\$3,609	\$3,699	\$3,791	\$3,884
7	\$3,189	\$3,269	\$3,351	\$3,434	\$3,520	\$3,609	\$3,699	\$3,791	\$3,884	\$3,981
8	\$3,269	\$3,351	\$3,434	\$3,520	\$3,609	\$3,699	\$3,791	\$3,884	\$3,981	\$4,080
9	\$3,351	\$3,434	\$3,520	\$3,609	\$3,699	\$3,791	\$3,884	\$3,981	\$4,080	\$4,184
10	\$3,434	\$3,520	\$3,609	\$3,699	\$3,791	\$3,884	\$3,981	\$4,080	\$4,184	\$4,292
11	\$3,520	\$3,609	\$3,699	\$3,791	\$3,884	\$3,981	\$4,080	\$4,184	\$4,292	\$4,397
12	\$3,609	\$3,699	\$3,791	\$3,884	\$3,981	\$4,080	\$4,184	\$4,292	\$4,397	\$4,507
13	\$3,699	\$3,791	\$3,884	\$3,981	\$4,080	\$4,184	\$4,292	\$4,397	\$4,507	\$4,618
14	\$3,791	\$3,884	\$3,981	\$4,080	\$4,184	\$4,292	\$4,397	\$4,507	\$4,618	\$4,735
15	\$3,884	\$3,981	\$4,080	\$4,184	\$4,292	\$4,397	\$4,507	\$4,618	\$4,735	\$4,853
16	\$3,981	\$4,080	\$4,184	\$4,292	\$4,397	\$4,507	\$4,618	\$4,735	\$4,853	\$4,973
17	\$4,080	\$4,184	\$4,292	\$4,397	\$4,507	\$4,618	\$4,735	\$4,853	\$4,973	\$5,099
18	\$4,184	\$4,292	\$4,397	\$4,507	\$4,618	\$4,735	\$4,853	\$4,973	\$5,099	\$5,226
19	\$4,292	\$4,397	\$4,507	\$4,618	\$4,735	\$4,853	\$4,973	\$5,099	\$5,226	\$5,356
20	\$4,397	\$4,507	\$4,618	\$4,735	\$4,853	\$4,973	\$5,099	\$5,226	\$5,356	\$5,491
21	\$4,507	\$4,618	\$4,735	\$4,853	\$4,973	\$5,099	\$5,226	\$5,356	\$5,491	\$5,626
22	\$4,618	\$4,735	\$4,853	\$4,973	\$5,099	\$5,226	\$5,356	\$5,491	\$5,626	\$5,769
23	\$4,735	\$4,853	\$4,973	\$5,099	\$5,226	\$5,356	\$5,491	\$5,626	\$5,769	\$5,912
24	\$4,853	\$4,973	\$5,099	\$5,226	\$5,356	\$5,491	\$5,626	\$5,769	\$5,912	\$6,061
25	\$4,973	\$5,099	\$5,226	\$5,356	\$5,491	\$5,626	\$5,769	\$5,912	\$6,061	\$6,217
26	\$5,099	\$5,226	\$5,356	\$5,491	\$5,626	\$5,769	\$5,912	\$6,061	\$6,217	\$6,367
27	\$5,226	\$5,356	\$5,491	\$5,626	\$5,769	\$5,912	\$6,061	\$6,217	\$6,367	\$6,526
28	\$5,356	\$5,491	\$5,626	\$5,769	\$5,912	\$6,061	\$6,217	\$6,367	\$6,526	\$6,691
29	\$5,491	\$5,626	\$5,769	\$5,912	\$6,061	\$6,217	\$6,367	\$6,526	\$6,691	\$6,859
30	\$5,626	\$5,769	\$5,912	\$6,061	\$6,217	\$6,367	\$6,526	\$6,691	\$6,859	\$7,029
31	\$5,769	\$5,912	\$6,061	\$6,217	\$6,367	\$6,526	\$6,691	\$6,859	\$7,029	\$7,202
32	\$5,912	\$6,061	\$6,217	\$6,367	\$6,526	\$6,691	\$6,859	\$7,029	\$7,202	\$7,384
33	\$6,061	\$6,217	\$6,367	\$6,526	\$6,691	\$6,859	\$7,029	\$7,202	\$7,384	\$7,568
34	\$6,217	\$6,422	\$6,526	\$6,691	\$6,859	\$7,029	\$7,202	\$7,384	\$7,568	\$7,757
35	\$6,367	\$6,526	\$6,691	\$6,859	\$7,029	\$7,202	\$7,384	\$7,568	\$7,757	\$7,951
36	\$6,526	\$6,691	\$6,859	\$7,029	\$7,202	\$7,384	\$7,568	\$7,757	\$7,951	\$8,148
37	\$6,691	\$6,859	\$7,029	\$7,202	\$7,384	\$7,568	\$7,757	\$7,951	\$8,150	\$8,356
38	\$6,859	\$7,029	\$7,202	\$7,384	\$7,568	\$7,757	\$7,951	\$8,150	\$8,356	\$8,563
39	\$7,029	\$7,202	\$7,384	\$7,568	\$7,757	\$7,951	\$8,150	\$8,356	\$8,563	\$8,776
40	\$7,202	\$7,384	\$7,568	\$7,757	\$7,951	\$8,150	\$8,356	\$8,563	\$8,776	\$8,998
41	\$7,384	\$7,568	\$7,757	\$7,951	\$8,150	\$8,356	\$8,563	\$8,776	\$8,998	\$9,220
42	\$7,568	\$7,757	\$7,951	\$8,150	\$8,356	\$8,563	\$8,776	\$8,998	\$9,220	\$9,452
43	\$7,757	\$7,951	\$8,150	\$8,356	\$8,563	\$8,776	\$8,998	\$9,220	\$9,452	\$9,688
44	\$7,951	\$8,150	\$8,356	\$8,563	\$8,776	\$8,998	\$9,220	\$9,452	\$9,688	\$9,930
45	\$8,150	\$8,356	\$8,563	\$8,776	\$8,998	\$9,220	\$9,452	\$9,688	\$9,930	\$10,180
46	\$8,356	\$8,563	\$8,776	\$8,998	\$9,220	\$9,452	\$9,688	\$9,930	\$10,180	\$10,433
47	\$8,563	\$8,776	\$8,998	\$9,220	\$9,452	\$9,688	\$9,930	\$10,180	\$10,433	\$10,695
48	\$8,776	\$8,998	\$9,220	\$9,452	\$9,688	\$9,930	\$10,180	\$10,433	\$10,695	\$10,962
49	\$8,998	\$9,220	\$9,452	\$9,688	\$9,930	\$10,180	\$10,433	\$10,695	\$10,962	\$11,234
50	\$9,220	\$9,452	\$9,688	\$9,930	\$10,180	\$10,433	\$10,695	\$10,962	\$11,235	\$11,516
51	\$9,452	\$9,688	\$9,930	\$10,180	\$10,433	\$10,695	\$10,962	\$11,235	\$11,516	\$11,804
52	\$9,688	\$9,930	\$10,180	\$10,433	\$10,669	\$10,962	\$11,235	\$11,516	\$11,804	\$12,100
53	\$9,930	\$10,180	\$10,433	\$10,695	\$10,962	\$11,235	\$11,521	\$11,804	\$12,100	\$12,402
54	\$10,180	\$10,433	\$10,695	\$10,962	\$11,235	\$11,516	\$11,804	\$12,100	\$12,402	\$12,712
55	\$10,433	\$10,695	\$10,962	\$11,235	\$11,516	\$11,804	\$12,100	\$12,402	\$12,712	\$13,029
56	\$10,695	\$10,962	\$11,234	\$11,516	\$11,804	\$12,100	\$12,402	\$12,712	\$13,029	\$13,354
57	\$10,962	\$11,234	\$11,516	\$11,804	\$12,100	\$12,402	\$12,712	\$13,029	\$13,354	\$13,690
58	\$11,234	\$11,516	\$11,804	\$12,100	\$12,402	\$12,712	\$13,029	\$13,354	\$13,690	\$14,033
59	\$11,516	\$11,804	\$12,100	\$12,402	\$12,712	\$13,029	\$13,354	\$13,690	\$14,033	\$14,383
60	\$11,804	\$12,100	\$12,402	\$12,712	\$13,029	\$13,354	\$13,690	\$14,033	\$14,383	\$14,740
61	\$12,100	\$12,402	\$12,712	\$13,029	\$13,354	\$13,690	\$14,033	\$14,383	\$14,740	\$15,111
62	\$12,402	\$12,712	\$13,029	\$13,354	\$13,690	\$14,033	\$14,383	\$14,740	\$15,111	\$15,487
63	\$12,712	\$13,029	\$13,354	\$13,690	\$14,033	\$14,383	\$14,740	\$15,111	\$15,487	\$15,876
64	\$13,029	\$13,354	\$13,690	\$14,033	\$14,383	\$14,740	\$15,111	\$15,487	\$15,876	\$16,271
65	\$13,354	\$13,690	\$14,033	\$14,383	\$14,740	\$15,111	\$15,487	\$15,876	\$16,276	\$16,678
66	\$13,690	\$14,031	\$14,383	\$14,740	\$15,111	\$15,487	\$15,876	\$16,271	\$16,678	\$17,096
67	\$14,033	\$14,383	\$14,740	\$15,111	\$15,487	\$15,876	\$16,271	\$16,678	\$17,096	\$17,522
68	\$14,383	\$14,740	\$15,111	\$15,487	\$15,876	\$16,271	\$16,678	\$17,096	\$17,522	\$17,961
69	\$14,740	\$15,111	\$15,487	\$15,876	\$16,271	\$16,678	\$17,096	\$17,522	\$17,961	\$18,410
70	\$15,111	\$15,487	\$15,876	\$16,271	\$16,678	\$17,096	\$17,522	\$17,961	\$18,410	\$18,869

SYSTEM OPERATIONS SUPERVISOR

Definition

Under the general direction of the Operations Manager, organizes and supervises treatment and distribution system operations staff; inspects, monitors and operates complex water production and treatment equipment necessary to maintain a safe and adequate water supply throughout the potable water system; performs a variety of technical and administrative support functions; and performs related duties as assigned.

Class Characteristics

This single incumbent class is responsible for the first-level supervision of operations crews and the day-to-day implementation of the District potable water UV treatment and disinfection system, and distribution systems.

Duties and Responsibilities:

Duties and responsibilities include, but are not limited to, the following:

- Supervises, trains and evaluates the performance of operators;
- Recommends selection, promotion and discipline of personnel;
- Counsels employees and processes informal and formal grievances;
- Establishes standards of performance;
- Prepares work schedules and work assignments;
- Mathematics applicable to water distribution operation, maintenance and construction;
- Prepares cost estimates and estimates of job materials and equipment;
- Checks and corrects work in progress and upon completion;
- Stays current with Federal, State, County and District regulatory issues and permits inherent with potable water treatment and distribution systems, such as the Safe Drinking Water Act;
- Responsible for completes reports for regulatory compliance;
- Represents the District in a professional manner through involvement with industry organizations and committees;
- Inspects, monitors, makes adjustments, troubleshoots and controls the more complex water production and treatment equipment;
- Drives a District truck in the course of daily duties;
- Assists others in the operation of production and treatment equipment;
- Starts and stops pumps according to readings taken from meters and gauges;
- Adjusts chemical injection as needed to maintain water quality under varying flow quantities;
- Checks tanks and distribution points for chlorine residuals and water turbidity;
- Communicates with agents of the San Diego County Water Authority in order to make adjustments to consumption rates;
- Monitors, operates, and maintains Cla-valves;
- Monitors, operates and troubleshoots the potable water distribution and treatment systems including chemical injection, pump station, tanks, reservoirs, flow and pressure control facilities, and the UV disinfection plant;
- Monitors and operates the system remotely via SCADA;
- Performs limited maintenance on SCADA servers;
- Assists with making limited adjustments to the SCADA screens;
- Monitors, performs routine calibrations, and performs maintenance of water quality analytical equipment at the UV disinfection facility and the distribution system;

System Operation Supervisor

- Monitors, maintains, and troubleshoots the Calgon UV reactors and related equipment;
- Monitors the maintenance, calibration and troubleshooting of the UVT analyzers;
- Monitors UV reactor dosage output to comply with SWRCB DDW regulations;
- Schedules and ensures completion of the calibration and maintenance of water quality analytical equipment at the UV disinfection facility;
- Reviews water and wastewater system maps for accuracy;
- Listens to and responds to citizen complaints;
- Coordinates and directs emergency repair of pump stations, tanks, flow and pressure control facilities, chemical injection equipment, and the UV disinfection plant; and
- Performs related work as required.

Qualifications

Knowledge of:

- Federal, State, County and District regulatory issues and permits inherent with potable water treatment and distribution systems, such as the Safe Drinking Water Act;
- Equipment, materials and terminology used in the operation of pumps, motors, generators, valves and pressure devices;
- Control of water flow and pressures through gravity and pumping equipment;
- Theory and principles of electrically driven pumps;
- Methods of water distribution and treatment;
- Methods of chlorination, chloramination, water disinfection and testing;
- Mathematics applicable to water distribution operation, maintenance and construction;
- Principles, practices, and techniques relating to the operation, maintenance and development of SCADA based control systems, for operational purposes;
- Principles and practices of supervision staff;
- Computer software programs (email, MS Word and Excel); and
- Appropriate safety precautions and procedures.

Ability to:

- Schedule and assign work relating to water treatment and distribution operations;
- Maintain accurate and complex logs and records;
- Exercise judgment in determining necessary water production flow rates, pressures and levels;
- Predict effect of weather on water levels and distribution rates;
- Troubleshoot potable water treatment and distribution systems which requires an in-depth understanding of the systems;
- Inspect motors, pumps, water levels and pressures;
- Make adjustments to equipment in response to water demand and supply;
- Make adjustments to complex water treatment and disinfection equipment;
- Plan, budget and coordinate a variety of related activities while working closely with staff and outside vendors;
- Represent the District in a professional manner through involvement with industry organizations and committees;
- Operate a personal computer/computer remote terminal;
- Prepare written reports and cost estimates;
- Operate a vehicle observing legal and defensive driving practices;
- Understand and carry out oral and written instructions;

System Operation Supervisor

- Establish and maintain effective relationships with those contacted in the course of work; and
- Communicate clearly and concisely, orally and in writing.

Licenses and Certification:

- Possession of a valid and appropriate California driver's license.
- Possession of certification as a Water Distribution Operator Grade IV (D4), or higher.
- Possession of valid certification as a certified Water Treatment Operator, Grade III (T3) or higher.
- Possession of current certification as HAZWOPER (Hazardous Materials Responder Training [24 hours]).

Education, Training and Experience:

The qualification guidelines generally describe the knowledge and ability required to enter the job in order to successfully perform the assigned duties. Any combination of experience and training that would provide the required knowledge, skills and abilities will be considered.

A high school diploma or equivalent; an associate's degree or certificate in water technology is strongly desired and three (3) years of experience in potable water treatment and distribution and responsibility for regulatory compliance or equivalent to the level of systems operator in the Fallbrook Public Utility District from which the incumbent has acquired the knowledge and abilities listed above. Supervisory experience is desired.

OTHER REQUIREMENTS:

Physical Demands:

- Walking: Moves about on foot often through uneven terrain.
- Carrying: Transports objects by holding them in hands or arms.
- Handling: Seizes, holds or works with hands; specifically, operating valves, adjusting control knobs, hand and power tools, computer, and calculator.
- Lifting: Raises and lowers pumps, motors, hoses, and miscellaneous awkward objects.
- Reaching: Extends hand and arms in any direction.
- Stooping: Bends body downward and forward by bending at the knees or waist.
- Climbing: Ascends and descends ladders up to 50 feet in height.
- Vision: Reads work tickets, meter dials, reservoir levels, data sheets, video messages, scales and gauges and operates District vehicles.
- Sitting: Drives, often through rough terrain and sits in District vehicles for up to four hours per day.
- Talking: Communicates by radio and in person.
- Hearing: Hears well enough to receive communication by radio and in person.

Physical Strength:

- Lifting: Up to 100 pounds; infrequent exertion.
- Dragging: Up to 200 pounds of dead weight.

Environmental Conditions

- Noise: Works in conditions with constant or intermittent noise.

System Operation Supervisor

- Temperature/Weather: Works outside with variations of temperature and weather.
- This position may include periodic to frequent disagreeable working conditions including noise, dirt, fumes, vibration, heat, cold, dampness and hazardous chemicals.

Protective Devices Required

- Hard hat, gloves, safety shoes, District uniform, Self-Contained Breathing Apparatus, respirator, hearing protection, safety glasses, chemical suits and seat belt.

OPERATIONS MANAGER

Definition

Under the general direction of the General Manager, performs management level duties to plan, organize and direct sections responsible for potable treatment and distribution, and wastewater treatment; oversees departmental and capital improvement projects; develops and monitors budgets; plans and provides technical support; participates actively in the management team; and performs related duties as assigned.

Class Characteristics:

This position has managerial responsibility for the planning and administration of the sections responsible for potable water system operations, including treatment and distribution, and wastewater treatment. The incumbent exercises supervision over supervisory and technical positions including the Chief Plant Operator, Water Systems Supervisor, and staff in valve maintenance, instrumentation and controls, and electrical maintenance. This includes overseeing the operation of the UV Treatment, the Water Reclamation Plant, and the potable distribution system.

Duties and Responsibilities:

Duties and responsibilities include, but are not limited to, the following:

- Supervises, trains and evaluates the performance of operations staff;
- Recommends selection, promotion and discipline of personnel;
- Develops and directs the implementation of goals, objectives, and procedures for the department;
- Plans and prepares work schedules;
- Develops and administers the annual budget for the department;
- Stays current with Federal, State, County and District regulatory issues and permits inherent with potable water treatment and distribution systems;
- Completes regulatory reports;
- Represents the District in a professional manner through involvement with industry organizations and committees;
- Inspects, monitors, makes adjustments, troubleshoots and controls the more complex water production and treatment issues;
- Drives a District vehicle in the course of daily duties;
- Provides assistance and guidance to staff regarding the operation of the potable treatment and distribution system, and wastewater treatment;
- Starts and stops pumps according to readings taken from meters and gauges;
- Communicates with agents of the San Diego County Water Authority and other member agencies;
- Records water flow, water levels, pressures and other information;
- Ensures the completion of the calibration and maintenance of water and wastewater analytical equipment; and
- Performs related work as required.

Qualifications

Knowledge of:

- Federal, State, County and District regulatory issues and permits inherent with potable water treatment and distribution systems, and wastewater treatment;
- Equipment, materials and terminology used in the operation of pumps, motors, generators, valves and pressure devices;
- Principles and practices relating to water production and distribution, and wastewater treatment;
- Principles, practices, and techniques relating to the operation, maintenance and development of SCADA based control systems;
- Principles and practices of supervision and management of staff;
- Computer software programs (email, MS Word and Excel); and
- Appropriate safety precautions and procedures.

Ability to:

- Schedule and assign work relating to water treatment and distribution operations, valve maintenance, instrumentation and controls and electrical maintenance;
- Maintain accurate records and reports;
- Troubleshoot complex potable water treatment and distribution systems;
- Plan, budget and coordinate a variety of SCADA related activities while working closely with staff and outside vendors;
- Represent the District in a professional manner through involvement with industry organizations and committees;
- Operate a personal computer and common business software;
- Prepare written reports and verbal reports;
- Establish and maintain effective relationships with those contacted in the course of work; and
- Communicate clearly and concisely, orally and in writing.

Licenses and Certification:

- Possession of a California driver's license.
- Possession of certification as a Water Distribution Operator Grade IV (D4), or higher.
- Possession of certification as a Water Treatment Operator, Grade II (T3) or higher.

Education, Training and Experience:

The qualification guidelines generally describe the knowledge and ability required to enter the job in order to successfully perform the assigned duties. Any combination of experience and training that would provide the required knowledge, skills and abilities will be considered.

A bachelor's degree in business management, business administration, or public works/administration, with coursework in water treatment, water distribution, wastewater treatment, and management, and five (5) years of progressively responsible experience in water and/or wastewater operations, including lead, supervisory or management experience is desired.

OTHER REQUIREMENTS

Physical Demands:

- Walking: Moves about on foot often through uneven terrain.
- Carrying: Transports objects by holding them in hands or arms.
- Handling: Seizes, holds or works with hands; specifically operating valves, adjusting control knobs, and computer.
- Lifting: Raises and lowers pumps, motors, and miscellaneous awkward objects.
- Reaching: Extends hand and arms in any direction.
- Stooping: Bends body downward and forward by bending at the knees or waist.
- Climbing: Ascends and descends ladders up to 50 feet in height.
- Vision: Reads work tickets, meter dials, reservoir levels, data sheets, video messages, scales and gauges and operates District vehicles.
- Sitting: Drives, often through rough terrain and sits in District vehicles for up to four hours per day.
- Talking: Communicates by radio and in person.
- Hearing: Hears well enough to receive communication by radio and in person.

Physical Strength:

- Lifting: Up to 100 pounds; infrequent exertion.
- Dragging: Up to 200 pounds of dead weight.

Environmental Conditions

- Noise: Works in conditions with constant or intermittent noise.
- Temperature/Weather: Works outside with variations of temperature and weather.
- This position may include periodic to frequent disagreeable working conditions including noise, dirt, fumes, vibration, heat, cold, dampness and hazardous chemicals.

Protective Devices Required

- Hard hat, gloves, safety shoes, District uniform, Self-Contained Breathing Apparatus, respirator, hearing protection, safety glasses, chemical suits and seat belt.

RESOLUTION NO. 4938

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
FALLBROOK PUBLIC UTILITY DISTRICT AMENDING THE
ADMINISTRATIVE CODE - ARTICLE 11, PERSONNEL REGULATIONS**

* * * * *

WHEREAS, a reorganization was proposed to address staffing and operational challenges; and

WHEREAS, the proposal deletes the vacant Assistant General Manager position, upon ratification of the new General Manager contract, and creates a new Senior Engineer position to replace the existing Engineering Supervisor position upon the incumbent's retirement resulting in an overall reduction in staffing by one position; and

WHEREAS, the proposal reclassifies the Lead System Operator to System Operations Supervisor, and the System Operations Manager to Operations Manager, resulting in changes to job titles, job descriptions, and salary ranges for those reclassified positions; and

WHEREAS, Administrative Code - Article 11, Personnel Regulations requires amending to incorporate the proposed reorganized and reclassified positions and associated changes to the job titles, job descriptions, and salary ranges. Additionally, the organizational chart and salary schedules must be updated to the incorporate the proposed changes, and other recent changes, as required.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Fallbrook Public Utility District, that Administrative Code - Article 11, Personnel Regulations, shall be amended, as follows:

1. Article 11, Personal Regulations, with the proposed changes to job titles, job descriptions, salary ranges, salary schedules, and organizational chart as shown in Attachment "A" attached hereto and incorporated herein.
2. The remaining provisions of Article 11 are unaffected and reconfirmed hereby.

PASSED AND ADOPTED by the Board of Directors of the Fallbrook Public Utility District at a regular meeting of the Board held on the 23rd day of July, 2018, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

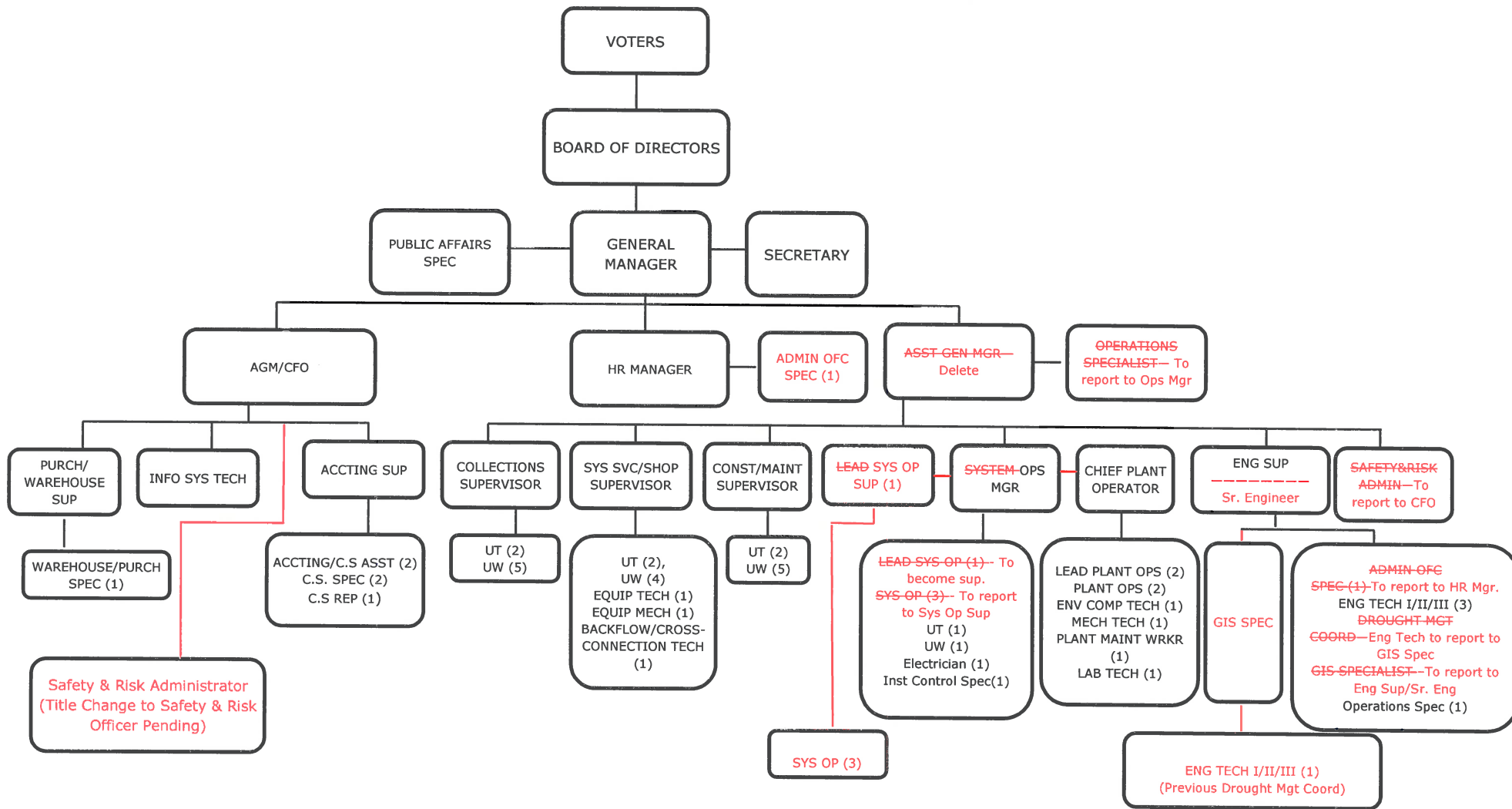
President, Board of Directors

ATTEST:

Secretary, Board of Directors

Attachment “A”

FALLBROOK PUBLIC UTILITY DISTRICT May 2018



68-67 Total Positions

~~CLASSIFICATION/POSITION/RANGES~~
SALARY SCHEDULE
EFFECTIVE ~~SEPTEMBER 11, 2017~~ JULY
23, 2018

Classification	Positions	Salary Range
Accounting/Customer Service Assistant I & II	2	19 & 23
Accounting Supervisor	1	40
Administrative Office Specialist	1	21
Backflow/Cross-Connection Technician	1	27-28
Collection Supervisor	1	39-41
Construction/Maintenance Supervisor	1	39-41
Customer Service Representative I & II*	2	15 & 19
Customer Service Specialist*	1	25
Drought Management Coordinator	1	16
Engineering Supervisor	1	34-36
Engineering Technician I, II & III	3	20-22/27-28/31-32
Environmental Compliance Technician	1	36-37
Equipment Mechanic	1	25
Equipment Technician	1	30-31
Geographical Information Systems (GIS) Specialist	1	32
Information Systems Technician	1	31
Instrumentation and Control Specialist	1	35-38
Laboratory Technician I & II	1	28-29/32-33
Lead Plant Operator	2	30-31
Lead System Operator Operations Supervisor	1	40 34-35
Maintenance Electrician	1	28-32
Mechanical Technician	1	29-31
Operations Specialist	1	21-22
Plant Maintenance Worker I & II	1	15-17/18-21
Plant Operator (I-T), I, II	2	16-17/22-23/26-27
Public Affairs Specialist	1	36
Safety & Risk Administrator Officer	1	43-45
Secretary	1	36
Systems Operator I & II	3	24-25/28-29
System Service/Shop Supervisor	1	39-41
Utility Technician (Water and Wastewater)	7	23-27
Utility Worker I & II (Water and Wastewater)	15	15-17/18-21
Warehouse/Purchasing Specialist	1	27-28
Warehouse Supervisor Purchasing/Warehouse Supervisor	1	37-38
<u>Management-(Exempt)</u>		
General Manager	1	\$243,984
Acting General Manager	1	\$18,345.60
Assistant General Manager/ District Engineer	1	66
Assistant General Manager/ CFO	1	62
Chief Plant Operator	1	45-46
System Operations Manager	1	53 47-48
Human Resources Manager	1	53
Senior Engineer	1	52

Appendix B
Added 6/22/15

*=Customer Service Representatives/Specialists combined cannot exceed 3 total positions.

Board Approved
Revision Date
7/15, 1/16, 9/17

Range #	FY 17-18 18-19 Monthly Salary Range									
	Step A	Step B	Step C	Step D	Step E	Step F	Step G	Step H	Step I	Step J
1	\$2,751	\$2,818	\$2,889	\$2,962	\$3,035	\$3,111	\$3,189	\$3,269	\$3,351	\$3,434
2	\$2,818	\$2,889	\$2,962	\$3,035	\$3,111	\$3,189	\$3,269	\$3,351	\$3,434	\$3,520
3	\$2,889	\$2,962	\$3,035	\$3,111	\$3,189	\$3,269	\$3,351	\$3,434	\$3,520	\$3,609
4	\$2,962	\$3,035	\$3,111	\$3,189	\$3,269	\$3,351	\$3,434	\$3,520	\$3,609	\$3,699
5	\$3,035	\$3,111	\$3,189	\$3,269	\$3,351	\$3,434	\$3,520	\$3,609	\$3,699	\$3,791
6	\$3,111	\$3,189	\$3,269	\$3,351	\$3,434	\$3,520	\$3,609	\$3,699	\$3,791	\$3,884
7	\$3,189	\$3,269	\$3,351	\$3,434	\$3,520	\$3,609	\$3,699	\$3,791	\$3,884	\$3,981
8	\$3,269	\$3,351	\$3,434	\$3,520	\$3,609	\$3,699	\$3,791	\$3,884	\$3,981	\$4,080
9	\$3,351	\$3,434	\$3,520	\$3,609	\$3,699	\$3,791	\$3,884	\$3,981	\$4,080	\$4,184
10	\$3,434	\$3,520	\$3,609	\$3,699	\$3,791	\$3,884	\$3,981	\$4,080	\$4,184	\$4,292
11	\$3,520	\$3,609	\$3,699	\$3,791	\$3,884	\$3,981	\$4,080	\$4,184	\$4,292	\$4,397
12	\$3,609	\$3,699	\$3,791	\$3,884	\$3,981	\$4,080	\$4,184	\$4,292	\$4,397	\$4,507
13	\$3,699	\$3,791	\$3,884	\$3,981	\$4,080	\$4,184	\$4,292	\$4,397	\$4,507	\$4,618
14	\$3,791	\$3,884	\$3,981	\$4,080	\$4,184	\$4,292	\$4,397	\$4,507	\$4,618	\$4,735
15	\$3,884	\$3,981	\$4,080	\$4,184	\$4,292	\$4,397	\$4,507	\$4,618	\$4,735	\$4,853
16	\$3,981	\$4,080	\$4,184	\$4,292	\$4,397	\$4,507	\$4,618	\$4,735	\$4,853	\$4,973
17	\$4,080	\$4,184	\$4,292	\$4,397	\$4,507	\$4,618	\$4,735	\$4,853	\$4,973	\$5,099
18	\$4,184	\$4,292	\$4,397	\$4,507	\$4,618	\$4,735	\$4,853	\$4,973	\$5,099	\$5,226
19	\$4,292	\$4,397	\$4,507	\$4,618	\$4,735	\$4,853	\$4,973	\$5,099	\$5,226	\$5,356
20	\$4,397	\$4,507	\$4,618	\$4,735	\$4,853	\$4,973	\$5,099	\$5,226	\$5,356	\$5,491
21	\$4,507	\$4,618	\$4,735	\$4,853	\$4,973	\$5,099	\$5,226	\$5,356	\$5,491	\$5,626
22	\$4,618	\$4,735	\$4,853	\$4,973	\$5,099	\$5,226	\$5,356	\$5,491	\$5,626	\$5,769
23	\$4,735	\$4,853	\$4,973	\$5,099	\$5,226	\$5,356	\$5,491	\$5,626	\$5,769	\$5,912
24	\$4,853	\$4,973	\$5,099	\$5,226	\$5,356	\$5,491	\$5,626	\$5,769	\$5,912	\$6,061
25	\$4,973	\$5,099	\$5,226	\$5,356	\$5,491	\$5,626	\$5,769	\$5,912	\$6,061	\$6,217
26	\$5,099	\$5,226	\$5,356	\$5,491	\$5,626	\$5,769	\$5,912	\$6,061	\$6,217	\$6,367
27	\$5,226	\$5,356	\$5,491	\$5,626	\$5,769	\$5,912	\$6,061	\$6,217	\$6,367	\$6,526
28	\$5,356	\$5,491	\$5,626	\$5,769	\$5,912	\$6,061	\$6,217	\$6,367	\$6,526	\$6,691
29	\$5,491	\$5,626	\$5,769	\$5,912	\$6,061	\$6,217	\$6,367	\$6,526	\$6,691	\$6,859
30	\$5,626	\$5,769	\$5,912	\$6,061	\$6,217	\$6,367	\$6,526	\$6,691	\$6,859	\$7,029
31	\$5,769	\$5,912	\$6,061	\$6,217	\$6,367	\$6,526	\$6,691	\$6,859	\$7,029	\$7,202
32	\$5,912	\$6,061	\$6,217	\$6,367	\$6,526	\$6,691	\$6,859	\$7,029	\$7,202	\$7,384
33	\$6,061	\$6,217	\$6,367	\$6,526	\$6,691	\$6,859	\$7,029	\$7,202	\$7,384	\$7,568
34	\$6,217	\$6,422	\$6,526	\$6,691	\$6,859	\$7,029	\$7,202	\$7,384	\$7,568	\$7,757
35	\$6,367	\$6,526	\$6,691	\$6,859	\$7,029	\$7,202	\$7,384	\$7,568	\$7,757	\$7,951
36	\$6,526	\$6,691	\$6,859	\$7,029	\$7,202	\$7,384	\$7,568	\$7,758	\$7,951	\$8,148
37	\$6,691	\$6,859	\$7,029	\$7,202	\$7,384	\$7,568	\$7,757	\$7,951	\$8,150	\$8,356
38	\$6,859	\$7,029	\$7,202	\$7,384	\$7,568	\$7,757	\$7,951	\$8,150	\$8,356	\$8,563
39	\$7,029	\$7,202	\$7,384	\$7,568	\$7,757	\$7,951	\$8,150	\$8,356	\$8,563	\$8,776
40	\$7,202	\$7,384	\$7,568	\$7,757	\$7,951	\$8,150	\$8,356	\$8,563	\$8,776	\$8,998
41	\$7,384	\$7,568	\$7,757	\$7,951	\$8,150	\$8,356	\$8,563	\$8,776	\$8,998	\$9,220
42	\$7,568	\$7,757	\$7,951	\$8,150	\$8,356	\$8,563	\$8,776	\$8,998	\$9,220	\$9,452
43	\$7,757	\$7,951	\$8,150	\$8,356	\$8,563	\$8,776	\$8,998	\$9,220	\$9,452	\$9,688
44	\$7,951	\$8,150	\$8,356	\$8,563	\$8,776	\$8,998	\$9,220	\$9,452	\$9,688	\$9,930
45	\$8,150	\$8,356	\$8,563	\$8,776	\$8,998	\$9,220	\$9,452	\$9,688	\$9,930	\$10,180
46	\$8,356	\$8,563	\$8,776	\$8,998	\$9,220	\$9,452	\$9,688	\$9,930	\$10,180	\$10,433
47	\$8,563	\$8,776	\$8,998	\$9,220	\$9,452	\$9,688	\$9,930	\$10,180	\$10,433	\$10,695
48	\$8,776	\$8,998	\$9,220	\$9,452	\$9,688	\$9,930	\$10,180	\$10,433	\$10,695	\$10,962
49	\$8,998	\$9,220	\$9,452	\$9,688	\$9,930	\$10,180	\$10,433	\$10,695	\$10,962	\$11,234
50	\$9,220	\$9,452	\$9,688	\$9,930	\$10,180	\$10,433	\$10,695	\$10,962	\$11,235	\$11,516
51	\$9,452	\$9,688	\$9,930	\$10,180	\$10,433	\$10,695	\$10,962	\$11,235	\$11,516	\$11,804
52	\$9,688	\$9,930	\$10,180	\$10,433	\$10,669	\$10,962	\$11,235	\$11,516	\$11,804	\$12,100
53	\$9,930	\$10,180	\$10,433	\$10,695	\$10,962	\$11,235	\$11,521	\$11,804	\$12,100	\$12,402
54	\$10,180	\$10,433	\$10,695	\$10,962	\$11,235	\$11,516	\$11,804	\$12,100	\$12,402	\$12,712
55	\$10,433	\$10,695	\$10,962	\$11,235	\$11,516	\$11,804	\$12,100	\$12,402	\$12,712	\$13,029
56	\$10,695	\$10,962	\$11,234	\$11,516	\$11,804	\$12,100	\$12,402	\$12,712	\$13,029	\$13,354
57	\$10,962	\$11,234	\$11,516	\$11,804	\$12,100	\$12,402	\$12,712	\$13,029	\$13,354	\$13,690
58	\$11,234	\$11,516	\$11,804	\$12,100	\$12,402	\$12,712	\$13,029	\$13,354	\$13,690	\$14,033
59	\$11,516	\$11,804	\$12,100	\$12,402	\$12,712	\$13,029	\$13,354	\$13,690	\$14,033	\$14,383
60	\$11,804	\$12,100	\$12,402	\$12,712	\$13,029	\$13,354	\$13,690	\$14,033	\$14,383	\$14,740
61	\$12,100	\$12,402	\$12,712	\$13,029	\$13,354	\$13,690	\$14,033	\$14,383	\$14,740	\$15,111
62	\$12,402	\$12,712	\$13,029	\$13,354	\$13,690	\$14,033	\$14,383	\$14,740	\$15,111	\$15,487
63	\$12,712	\$13,029	\$13,354	\$13,690	\$14,033	\$14,383	\$14,740	\$15,111	\$15,487	\$15,876
64	\$13,029	\$13,354	\$13,690	\$14,033	\$14,383	\$14,740	\$15,111	\$15,487	\$15,876	\$16,271
65	\$13,354	\$13,690	\$14,033	\$14,383	\$14,740	\$15,111	\$15,487	\$15,876	\$16,271	\$16,678
66	\$13,690	\$14,031	\$14,383	\$14,740	\$15,111	\$15,487	\$15,876	\$16,271	\$16,678	\$17,096
67	\$14,033	\$14,383	\$14,740	\$15,111	\$15,487	\$15,876	\$16,271	\$16,678	\$17,096	\$17,522
68	\$14,383	\$14,740	\$15,111	\$15,487	\$15,876	\$16,271	\$16,678	\$17,096	\$17,522	\$17,961
69	\$14,740	\$15,111	\$15,487	\$15,876	\$16,271	\$16,678	\$17,096	\$17,522	\$17,961	\$18,410
70	\$15,111	\$15,487	\$15,876	\$16,271	\$16,678	\$17,096	\$17,522	\$17,961	\$18,410	\$18,869

Lead System Operator Operations Supervisor

CLASS CONCEPT:

Under the general direction of the System Operations Manager, perform to organize and supervise a staff of treatment and distribution system operations employees. To inspect, monitor and operate complex water production and treatment equipment necessary to maintain a safe and adequate water supply throughout the potable water system. To perform a variety of skilled system operation and repair work in a lead capacity; and perform technical and administrative support functions. Performs related work as required.

Class Characteristics:

The Lead System Operator performs advanced level system operations, requires little supervision and directs the activities of other system operators.

Incumbents are regularly assigned to train lower level personnel in the performance of specified work. Positions at this level Positions in this class are responsible for the first-level supervision of operations crews, and the day-to-day implementation of the District potable water UV treatment and disinfection system, distribution systems. Positions in this class are distinguished from that of Systems Operator in that the incumbents supervise, inspect and assign work to operation personnel.

Positions in this class perform work which has considerable variation and which allows or requires a limited range of choice in the application of judgment in the defined methods or procedures.

EXAMPLES OF ESSENTIAL DUTIES:

- Supervises, trains and evaluates the performance of operators;
- Recommends selection of appropriate, promotion and discipline of personnel;
- Counsels employees and processes informal and formal grievances;
- Establishes standards of performance;
- Prepares work methods, schedules and work assignments; and
- Prepares cost estimates and estimates of job materials and procedures-equipment

Incumbents receive general instructions when tasks are assigned and are expected to determine the appropriate procedures and materials necessary to complete the project unless significant unanticipated problems are encountered.

Incumbent at the Lead System Operator level assign, check, guide, correct, train and participate fully in the work of subordinates. Incumbents do not hire, evaluate or discipline subordinates. Incumbents are expected to advise the supervisor of staff performance problems observed.

This position is obtained through certification, training and experience. There is only one authorized Lead System Operator position.

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Example of Duties

- Serves as assistant to System Operations Manager(1);

- Assigns specific tasks to system operators(1);
- Trains, instructs, and as assigned, corrects the work of system operators, ensuring that accepted work and safety methods are practiced(1);
- Performs operational activities and maintenance for the potable treatment and distribution systems at a level equal to or greater than the job requirements of a System Operator II(1);
- Provides hands-on training on systems, equipment, and safety items(2);
- Prepares and/or reviews procedures, programs, logs, charts and reports(2);
- Keeps supervisor informed of system status(2);
 - Operates the utility Checks and corrects work in progress and upon completion (1)
 - Stays current with Federal, State, County and District regulatory issues and permits inherent with potable water treatment and distribution systems by monitoring and adjusting flows through pipes from reservoirs, intakes and turnouts(3);, such as the Safe Drinking Water Act (3)
 - Reads Responsible for completes reports for regulatory compliance.
 - Represents the District in a professional manner through involvement with industry organizations and records reservoir levels, committees (3)
 - Inspects, monitors, makes adjustments, troubleshoots and controls the more complex water connection usage, consumer usage, pressure gauges, water flow production and treatment equipment (1)
 - Drives a District truck in the course of daily duties (2)
 - Assists others in the operation of production and treatment equipment (3)
 - Starts and stops pumps according to readings taken from meters, and gauges (3)
 - Adjusts chemical disinfectant volumes and flow(1); injection as needed to maintain water quality under varying flow quantities (3)
- Ensures that customers receive adequate water in volume pressure and quality(3);
- Operates automatic pressure-reducing relief valves, surge and arrestor valves(2);
- Checks reservoir levels and makes adjustments to valves to maintain proper water levels(1);
- Switches valves to redirect flow(2);
- Starts, synchronizes, monitors and regulates the operation and status of valves, pumping facilities, chlorination and other facilities and appurtenances(2);
- Installs, cleans, adjusts, performs maintenance on and operates Cla-valves, troubleshoots control valves when problems occur within the water distribution system;
- Checks reservoir levels and makes adjustments to Cla-valves to maintain proper water levels(1);
- Switches zones of control valves to redirect flow(2);
- Validates unusual readings by contacting other field personnel for verification(2);
- Notifies supervisory or maintenance personnel of apparent unusual conditions(2);
 - Bypasses portions of the system during emergencies or planned Checks tanks and distribution points for chlorine residuals and water turbidity (3)
 - Communicates with agents of the San Diego County Water Authority in order to make adjustments to consumption rates (3)
 - Monitors, operates, and maintains Cla-valves.

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- Monitors, operates and troubleshoots the potable water distribution and treatment systems including chemical injection, pump station, tanks, reservoirs, flow and pressure control facilities, and the UV disinfection plant.
- Monitors and operates the system remotely via SCADA.
- Performs limited maintenance on SCADA servers (2)
- Assists with making limited adjustments to the Makes adjustments to SCADA screens (2)
- Monitors, performs routine calibrations, and performs maintenance of water quality analytical equipment at the UV disinfection facility and the distribution system. (1)
- Monitors, maintains, and troubleshoots the Calgon UV reactors and related equipment
- Monitors the maintenance shutdowns, calibration and troubleshooting of the UVT analyzers (1)
- Monitors UV reactor dosage output to maintain system operation comply with SWRCB DDW regulations (1);
- Follows established chemical disinfection handling safety procedures(3);
- Receives Schedules and transports chemical disinfectant(2);
- Checks for proper operation ensures completion of disinfection equipment(3);
- Calculates disinfectant usage and demands, makes feed rate adjustments(3) and performs regularly scheduled cleaning and servicing of disinfection treatment facilities and equipment;
- Communicates with the appropriate agency relevant to water supply and demand changes(3);
- Completes reports required by District;
- Collects water samples;
- Monitors the level of the Red Mountain Reservoir(2) and adds copper sulfate to control algae;
- Reads and changes pressure charts(3);
- Monitors and operates the potable distribution system using SCADA(1);
 - Performs routine calibration and maintenance of water quality analytical equipment at the UV disinfection facility (1);
- Performs basic maintenance, troubleshooting and alarm acknowledgement at Calgon UV reactor display panel(1);
- Inspects and replaces UV lamps(2);
- Maintains, calibrates and troubleshoots routing UVT analyzer(1);
- Monitors UV reactor dosage output to comply with CDPH regulations(1);
- Is available for assignment to stand by duty(2);
- Receives on the job training to perform qualified, specific tasks on energized or de-energized low voltage circuits; and
 - Reviews water and wastewater system maps for accuracy (1)
 - Listens to and responds to citizen complaints (1)
 - Coordinates and directs emergency repair of pump stations, tanks, flow and pressure control facilities, chemical injection equipment, and the UV disinfection plant.

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- Performs related work as required.

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Minimum Qualifications

TYPICAL QUALIFICATIONS:

Knowledge of:

- ~~Operating concepts Federal, State, County and complex, multi-faceted water transmission and distribution systems;~~
- ~~Water discharge permit conditions issued by District regulatory agencies having jurisdiction, including but not limited to, the California Regional Water Quality Control Board, San Diego Region, and state and local health departments;~~
- ~~Operating principles of large pumping equipment, associated motors and high voltage power systems;~~
- ~~Operations record keeping procedures;~~
- ~~The operation, capabilities, limitations, interrelationships and operating procedures of the District-issues and permits inherent with potable water treatment and distribution systems, such as the Safe Drinking Water Act.~~
- ~~Clack valves, limit torque and variety of valves;~~
- ~~Advanced mathematics applicable to Equipment, materials and terminology used in the operation of pumps, motors, generators, valves and pressure devices.~~
- ~~Control of water flow and pressures through gravity and pumping equipment.~~
- ~~Theory and principles of electrically driven pumps.~~
- ~~Methods of water distribution and treatment and distribution;~~
- ~~Mathematics applicable to water distribution operation, maintenance and construction;~~
- ~~The operation of chemical injection equipment and the safe handling of chemical disinfectant;~~
- ~~Tools, equipment and methods used in the repair and maintenance of pumps, valves and pipeline equipment;~~
- ~~English usage: oral and written;~~
- ~~Common Methods of chlorination, chloramination, water disinfection and testing.~~
- ~~Principles, practices, and techniques relating to the operation, maintenance and development of SCADA based control systems, for operational purposes.~~
- ~~Computer software programs (email procedures and practices;~~
- ~~MS Word and Excel;~~
- ~~Safety precautions pertaining to the work, particularly relating to the operation of large pumps and motors and high electrical voltages;~~
- ~~Basic principles of hydrology and hydraulics.~~
- ~~Appropriate safety precautions and procedures.~~

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Ability to:

- ~~Perform skilled level water systems operation Schedule and assign work in the operation of potable relating to water treatment and distribution system;~~
- ~~Recognize unusual or dangerous operating conditions and take rapid appropriate action;~~

- ~~Monitor and control pump station and treatment plant operations without readily available supervision;~~
- Maintain accurate and complex logs and records;
- ~~Perform mathematical calculations related to the position;~~
- Exercise judgment in determining necessary water production flow rates, pressures, and levels.
- Predict effect of weather on water levels and distribution rates.
- Troubleshoot potable water treatment and distribution ~~system problems~~ systems which ~~require~~ requires an in-depth understanding of the systems;
- ~~Use tools and make repairs to~~ inspect motors, pumps, valves water levels and motors; pressures.
- Make accurate inspections of operating adjustments to equipment; in response to water demand and supply.
- Make adjustments to complex water treatment and disinfection equipment.
- Plan, budget and coordinate a variety of related activities while working closely with staff and outside vendors.
- Represent the District in a professional manner through involvement with industry organizations and committees.
- Operate a personal computer/computer remote terminal.
- Read and write at a level sufficient for job success.
- Prepare written reports and cost estimates.
- Write legibly.
- Operate a vehicle observing legal and defensive driving practices;
- Understand and carry out oral and written instructions;
- Establish and maintain effective relationships with those contacted in the course of work.

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Supplemental Information

SUPPLEMENTAL INFORMATION:

Licenses and Certification:

- Possession of a valid and appropriate California driver's license;
- Possession of certification as a Water Distribution Operator, Grade ~~III (D3);~~ IV (D4), or higher.
- Possession of valid certification as a certified Water Treatment Operator, Grade III (T3); or higher.
- Possession of current certification as HAZWOPER (Hazardous Materials Responder Training [24 hours]);
- ~~Certification of completion of an approved program in the operation and repair of Clay Automatic Valves is desirable.~~

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Training and Experience:

- Any combination of training, education and experience which demonstrates possession of the knowledge and abilities stated above and the ability to perform the duties of the position. ~~A typical qualifying entrance background is journey level experience in the operation of a potable water treatment and distribution system, including control valve operation, control valve and systems operation trouble shooting, and zone and valve adjustments to a system; or~~
- A typical qualifying entrance background is experience in potable water treatment and distribution and responsibility for regulatory compliance.
and
- Completion of coursework in water technology, supervision and safety.
or
- Experience at or equivalent to the level of ~~System~~Systems Operator in the Fallbrook Public Utility District from which the incumbent has acquired the knowledge and abilities listed above.

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OTHER REQUIREMENTS:

Physical Demands:

- Walking: Moves about on foot often through uneven terrain.
- Carrying: Transports objects by holding them in hands or arms.
- Handling: Seizes, holds or works with hands; specifically, operating valves, adjusting control knobs, hand and power tools, computer, and calculator.
- Lifting: Raises and lowers pumps, motors, hoses, and miscellaneous awkward objects.
- Reaching: Extends ~~hands~~hand and arms in any direction.
- Stooping: Bends body downward and forward by bending at the knees or waist.
- Climbing: Ascends and descends ladders up to 50 feet in height.
- Vision: Reads work tickets, meter dials, reservoir levels, data sheets, video messages, scales and gauges and operates District vehicles.
- Sitting: Drives ~~(, often~~ over~~through~~ rough terrain) and sits in District vehicles for up to four hours per day.
- Talking: Communicates by ~~phone~~, radio and in person.
- Hearing: Hears well enough to receive communication by ~~phone~~, radio and in person.

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Physical Strength:

- Lifting: Up to 100 pounds; infrequent exertion.
- Dragging/~~Pushing~~: Up to 200 pounds; ~~infrequent exertion of dead weight.~~

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Environmental Conditions:

- Noise: Works in conditions with constant or intermittent noise.
- Temperature/Weather: Works outside with variations of temperature and weather.
- This position may include periodic to frequent disagreeable working conditions including noise, dirt, fumes, vibration, heat, cold, dampness, ~~sewage, wastewater solids~~ and hazardous chemicals.

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Protective Devices Required:

- Hard hat, gloves, safety shoes, District uniform, Self-Contained Breathing Apparatus (~~certified fit test by registered industrial hygienist (beards, sideburns or mustaches which come between the face piece to face seal are not permitted) and pass SCBA/respirator physical by licensed physician~~), respirator, hearing protection, safety glasses, chemical suits and seat belt.

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SYSTEM OPERATIONS MANAGER

Definition

Under the general direction of the Assistant-General Manager, performs management level duties to plan, organize and supervise a staff of direct sections responsible for potable treatment and distribution system operations employees. To inspect, monitor, and operate complex water production and wastewater treatment equipment necessary to maintain a safe. Responsibilities include overseeing departmental and capital improvement projects, developing and adequate water supply throughout the potable water system, monitoring budgets, and planning and technical support. Participates actively in the Management team. Performs related work as required.

Class Characteristics:

~~Positions in this class are responsible for the first level~~

~~This position has managerial responsibility for the planning and administration of the sections responsible for potable water system operations, including treatment and distribution, and wastewater treatment. The incumbent exercises supervision of operations crew over supervisory and technical positions including the Chief Plant Operator, the Water Systems Supervisor, valve maintenance employees, instrumentation and controls employee, and electrical maintenance electrician employee and the day-to-day implementation of the District potable water UV treatment and disinfection system, distribution systems, and. This includes overseeing the operation of the SCADA system including design, programming, maintenance and development. Positions in this class are distinguished from that of Systems Operator in that the incumbents supervise, inspect and assign work to operation personnel. UV Treatment, the Water Reclamation Plant, and the potable distribution system.~~

~~Positions in this class perform work which has variation and which allows or requires a limited range of choice in the application of defined methods or procedures.~~

Example of Duties

- ~~• Schedules, supervise, train and supervises water distribution operators, valve maintenance employees, instrumentation and controls employee, and maintenance electrician employee(+);~~

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System Operations Manager

- ~~Supervises, trains and evaluates~~evaluate the performance of ~~operators, valve maintenance employees, instrumentation and controls employee, and maintenance electrician employee(1); operations staff.~~
 - Recommends selection, promotion and discipline of personnel(2);
- ~~Counsels employees and processes informal and formal grievances;~~
 - ~~Establishes standards of performance(1);~~
- ~~Prepares~~Develops and directs the implementation of goals, objectives, and procedures for the department.
 - ~~Plans and prepares~~ work schedules and work assignments(1);
- ~~Checks and corrects work in progress and upon completion;~~
- Develops and administers the annual budget for the department.
 - Stays current with Federal, State, County and District regulatory issues and permits inherent with potable water treatment and distribution systems, ~~such as the Safe Drinking Water Act(3);~~
 - Completes regulatory reports ~~per by District, County, State and Federal requirements(2);~~
 - Represents the District in a professional manner through involvement with industry organizations and committees(3);
 - Inspects, monitors, makes adjustments, troubleshoots and controls the more complex water production and treatment ~~equipment, including valves, meters, gauges and controllers(1); issues.~~
- ~~Collects water level and production information by monitoring the flow at various points in the system(2);~~
- Drives a District ~~truck~~vehicle in the course of daily duties(2);
 - ~~Assists others in~~Provides assistance and guidance to staff regarding the operation of production and the potable treatment equipment; and distribution system, and wastewater treatment.
 - Starts and stops pumps according to readings taken from meters and gauges(3);
- ~~Adjusts chemical injection as needed to maintain water quality under varying flow quantities(3);~~
 - ~~Checks tanks and distribution points for chlorine residuals and water turbidity(3);~~
 - ~~Collects water samples;~~
- Communicates with agents of the San Diego County Water Authority ~~in order to make adjustments to consumption rates(3); and other member agencies.~~
- ~~Operates Cla valves(3);~~
 - ~~Operates slide gates at reservoirs(3);~~
 - ~~Operates chlorination and chloramination(3);~~

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System Operations Manager

- Operates hand and portable power tools when making emergency repairs(2);
- Reads and logs meters at each site(2);
- Lubricates motors and pumps;

- Records water flow, water levels, wattage usage, pressures and other information(3);

- Monitors and operates the potable water distribution, chemical injection and UV treatment system using SCADA(1);
- Makes adjustments to set points and alarm points via SCADA(1);
- Performs limited maintenance on SCADA servers(2);
- Makes adjustments to SCADA screens(2);

- Schedules and ensures the completion of the calibration and maintenance of water quality and wastewater analytical equipment at the UV disinfection facility(1);

- Receives on the job training to perform qualified, specific tasks on energized or de-energized low voltage circuits; and
- Performs related work as required.

(1) The performance of this function is the reason the job exists.

(2) There are limited employees among whom the performance of this function can be distributed.

(3) This function is highly specialized. Employees are hired for the skill/ability to perform this.

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Minimum Qualifications

Knowledge of:

- Federal, State, County and District regulatory issues and permits inherent with potable water treatment and distribution systems, such as the Safe Drinking Water Act; and wastewater treatment.
- Equipment, materials and terminology used in the operation of pumps, motors, generators, valves and pressure devices.
- Control of principles and practices relating to water flow and pressures through gravity and pumping equipment;
- Theory and principles of electrically driven pumps;
- Methods of water production and distribution, and wastewater treatment.

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System Operations Manager

- ~~Methods of chlorination, chloramination, water disinfection and testing;~~
- ~~Water production and pressure maintenance;~~

- Principles, practices, and techniques relating to the operation, maintenance and development of SCADA based control systems;
- Computer software programs (email, MS Word and Excel).
- Appropriate safety precautions and procedures.

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Ability to:

- Schedule and assign work relating to water treatment and distribution operations, valve maintenance, instrumentation and controls and electrical maintenance;
- Maintain accurate ~~and complex logs and records;~~ and reports.

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- ~~Exercise judgment in determining necessary water production levels;~~
- ~~Predict effect of weather on water levels and distribution rates;~~

- Troubleshoot complex potable water treatment and distribution systems ~~which requires an in-depth understanding of the systems;~~

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- ~~Inspect motors, pumps, water levels and pressures;~~
- ~~Make adjustments to equipment in response to water demand and supply;~~
- ~~Make adjustments to complex water treatment and disinfection equipment;~~

- Plan, budget and coordinate a variety of SCADA related activities while working closely with staff and outside vendors;
- Represent the District in a professional manner through involvement with industry organizations and committees;
- Operate a personal computer ~~computer remote terminal;~~ and common business software.
- Read and write at a level sufficient for job success;
- Prepare written reports and ~~cost estimates;~~ verbal reports.

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- ~~Write legibly;~~
- ~~Operate a vehicle observing legal and defensive driving practices;~~
- ~~Understand and carry out oral and written instructions;~~

- Establish and maintain effective relationships with those contacted in the course of work.

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Supplemental Information

Licenses and Certification:

- Possession of a ~~valid and appropriate~~ California driver's license;
- Possession of certification as a Water Distribution Operator Grade IV (D4), or higher;
- Possession of ~~valid~~ certification as a ~~certified~~ Water Treatment Operator, Grade II (T3) or higher;

~~• Possession of current certification as HAZWOPER (Hazardous Materials Responder Training [24 hours]).~~

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Training and Experience:

~~• Any~~

~~A~~ combination of training, education and experience which demonstrates possession of the knowledge and abilities stated above and the ability to perform the duties of the position.

A typical qualifying entrance background is experience in ~~potable~~

- ~~High school diploma or the equivalent.~~
- ~~Higher education with coursework in water treatment and water distribution, wastewater treatment, and management. A bachelor's degree in business management, business administration, or public works/administration is desired.~~
- ~~Possession of a valid California driver's license.~~
- ~~Possession of State Certification in water treatment, water distribution, and responsibility for regulatory compliance; wastewater treatment.~~

~~A minimum of ten years of progressively responsible experience in water and~~

~~• Completion of coursework in water technology, or wastewater operations, including five years of lead or supervision and safety;~~

~~or~~

~~• Experience at or equivalent to the level of Systems Operator in the Fallbrook Public Utility District from which the incumbent has acquired the knowledge and abilities listed above.~~

~~. Management experience is desired.~~

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Other Requirements

Physical Demands:

- Walking: Moves about on foot often through uneven terrain.
- Carrying: Transports objects by holding them in hands or arms.
- Handling: Seizes, holds or works with hands; specifically operating valves, adjusting control knobs, ~~hand~~ and ~~power tools~~, computer, ~~and calculator~~.
- Lifting: Raises and lowers pumps, motors, ~~hoses~~, and miscellaneous awkward objects.
- Reaching: Extends hand and arms in any direction.
- Stooping: Bends body downward and forward by bending at the knees or waist.
- Climbing: Ascends and descends ladders up to 50 feet in height.
- Vision: Reads work tickets, meter dials, reservoir levels, data sheets, video messages, scales and gauges and operates District vehicles.
- Sitting: Drives, often through rough terrain and sits in District vehicles for up to four hours per day.
- Talking: Communicates by radio and in person.
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Physical Strength:

- Lifting: Up to 100 pounds; infrequent exertion.
- Dragging: Up to 200 pounds of dead weight.

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Environmental Conditions:

- Noise: Works in conditions with constant or intermittent noise.
- Temperature/Weather: Works outside with variations of temperature and weather.
- *This position may include periodic to frequent disagreeable working conditions including noise, dirt, fumes, vibration, heat, cold, dampness and hazardous chemicals.*

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Protective Devices Required

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System Operations Manager

- Hard hat, gloves, safety shoes, ~~Distriet uniform, Self-Contained Breathing Apparatus~~, respirator, hearing protection, safety glasses, ~~chemical suits~~ and seat belt.

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M E M O

TO: Board of Directors
FROM: Jeff Marchand, Engineering Supervisor *JM*
DATE: July 23, 2018
SUBJECT: Consider Approval of a Communication Site License Agreement
Between Fallbrook Public Utility District and Cingular Wireless PCS, LLC

Purpose

To present to the Board for consideration a proposed Communication Site License Agreement between Fallbrook Public Utility District and Cingular Wireless PCS, LLC.

Summary

Staff has negotiated a Communication Site License Agreement with Cingular Wireless PCS, LLC for lease space at the Bucknell Reservoir to construct and operate a new cell phone site. All permitting and construction costs for the cell site facilities are the responsibility of Cingular. The antenna would be installed on the reservoir, which is scheduled to be decommissioned this fiscal year. This is a five-year agreement at with an annual fee of \$30,000 per year with an annual increase of 3% after the first year.

The District currently has five similar license agreements for cell sites on District property with an annual income of \$175,000.

Recommended Action

That the Board authorize the Acting General Manager to execute the Communication Site License Agreement Between Fallbrook Public Utility District and Cingular Wireless PCS, LLC.

**COMMUNICATIONS SITE LICENSE AGREEMENT
BETWEEN THE
FALLBROOK PUBLIC UTILITY DISTRICT AND
NEW CINGULAR WIRELESS PCS, LLC**

THIS COMMUNICATIONS SITE LICENSE AGREEMENT (“Agreement”) is entered into this day of _____, 2018, by and between the **Fallbrook Public Utility District**, a California Public Utility District operating under the Public Utility District Act (Public Utilities Code Section 15501, et seq.), successor in interest and who acquired title as DeLuz Heights Municipal Water District (“District” or “Licensor”) and **New Cingular Wireless PCS, LLC, a Delaware limited liability company** (“Licensee”). Licensor and Licensee may be referred to collectively as the “Parties” and individually as a “Party” throughout this Agreement.

RECITALS

Licensor owns real property located in San Diego County, California, upon which it operates water and sewer systems including the parcel(s) known as 2375 Helen Road, Fallbrook, CA, 92028 identified as APN 101-370-66, and more particularly described in **Exhibit “A”** attached hereto and incorporated herein by reference (“Licensor’s Property”).

Licensee is a communications provider which provides communications service.

The Premises, as this term is defined below, are located so as to facilitate the beneficial use of communications facilities, including transmitting and receiving antennas for Licensee.

Licensee seeks to obtain governmental permits, licenses and approvals enabling it to construct and operate communications facilities where the Premises are located.

Licensor seeks to facilitate such uses by Licensee in order to maximize the use of the Licensor's Property, as this term is defined above, for beneficial purposes.

AGREEMENT

NOW, THEREFORE, in consideration of the mutual covenants and conditions herein contained, the Parties hereby agree as follows:

Premises. Subject to the terms and conditions contained herein, Licensor grants to Licensee the non-exclusive and non-transferable right to erect, maintain, repair, replace, upgrade and operate communication facilities more particularly described in Section 6(a) (“Licensee’s Facilities”), on a portion of Licensor’s Property comprising a total licensed area of 342 square feet (225 square feet for equipment and 114 square feet for antenna space on existing water tank), as more particularly described in **Exhibit “B”** attached hereto and made a part hereof (“Premises”), provided however, and notwithstanding the foregoing, Licensee shall have the exclusive use of the Premises.

2. Use. This Agreement is for use of the Premises for communications services by a single communications service provider; no co-location shall be allowed without Licensor’s prior written approval, which may be withheld at the Licensor’s sole discretion. The Premises may be

used by Licensee for any lawfully permitted and licensed activity in connection with the provisions of communications services, including the transmission and the reception of communication signals on various frequencies and the construction, maintenance, repair, replacement, expansion, upgrade, and operation of related communication facilities. Licensor agrees to cooperate with Licensee, at Licensee's expense, in making application for and obtaining all licenses, permits and any and all other necessary approvals that may be required for Licensee's intended use of the Premises with the understanding and acknowledgment that Licensor has no approval or authorization status in the licensing and permitting process of other governmental agencies.

3. Conditions Precedent. This Agreement is conditioned upon Licensee receiving a license from the Federal Communications Commission ("FCC") for Licensee's Facilities and obtaining all governmental permits and approvals, including that of Licensor, enabling Licensee to construct and operate communications facilities where the Premises are located. If Licensee does not receive such necessary licenses, permits and approvals, or if the Agreement is terminated in accordance with Section 10(a)(ii) below, this Agreement shall be null and void and of no force or effect, and the parties shall have no further obligation to one another. Licensee shall provide written evidence reasonably satisfactory to Licensor of all FCC approvals, including, but not limited to compliance with FCC Electromagnetic Radiation Guidelines, as well as any other applicable governmental approvals and permits.

Term.

The initial term of this Agreement shall be five (5) years ("Initial Term") commencing on the earlier of either (i) the date Licensee commences installation of Licensee's Facilities; or (ii) December 1, 2018 (either of the foregoing being the "Commencement Date"). Licensee shall provide prior written notice to Licensor of commencement of installation of Licensee's Facilities.

Licensee shall have the right to extend the term of the Agreement for up to three (3) periods of five (5) years each (each a "Renewal Term"). Each Renewal Term is automatically extended with the same terms and conditions set forth herein, unless Licensee notifies Licensor in writing prior to the commencement of the applicable Renewal Term of its intention not to renew the Agreement. The Initial Term together with any subsequent Renewal Term(s) is collectively referred to as the "Term."

This entire Agreement can be terminated pursuant to Section 10 herein.

License Fee.

Licensee agrees to pay Licensor as a license fee ("License Fee") for the use and occupancy of the Premises, the sum of Thirty Thousand Dollars [(\$30,000) per year. Commencing upon the Commencement Date the License Fee shall be payable in equal monthly installments, in advance on or before the first of each month to Licensor's address specified in Section 16, subject to a proportionate refund of the advance-paid License Fee should this Agreement be terminated before the expiration of any month for which the License Fee was paid. In any partial month

occurring after the Commencement Date, the License Fee will be prorated. The initial License Fee payment will be forwarded by Licensee to Licensor within forty-five (45) days after the Commencement Date. The License Fee shall be increased upon each anniversary of the Commencement Date by an amount equal to three percent (3%) of the License Fee applicable to the immediately preceding twelve (12) month period. Ninety (90) days prior to commencement of each Renewal Term, Licensor may, at its sole and absolute discretion, choose to adjust the License Fee, effective on the first day of the Renewal Term, by an amount equal to or the greater of either (1) said three percent (3%) or (2) the average percentage increases in the consumer price index ("CPI") for San Diego Area for the immediate prior five (5) year term. After such adjustment referenced herein, the updated License Fee shall increase by three percent (3%) annually as set forth above for the remainder of the Renewal Term.

If this Agreement is terminated before the expiration of any month for which the License Fee should have been paid the License Fee shall be prorated for the final fractional month of this Agreement.

Improvements.

Licensee has the right to construct, maintain, repair, replace, upgrade and operate on the Premises communications facilities, including necessary related facilities, collectively referred to herein as "Licensee's Facilities," as illustrated in **Exhibit "C,"** which shall be constructed as shown on **Exhibit "D."** Licensee's Facilities include frequency transmitting and receiving equipment, batteries, utility lines, transmission lines, radio frequency transmitting and receiving antennas and supporting structures and improvements. Any structures or improvements constructed by Licensee beyond the Premises must be underground. Licensee shall be responsible for all environmental compliance regarding Licensee's Facilities. Licensee shall construct Licensee's Facilities so they are compatible with existing structures and landscape as is approved by the Licensor and applicable local jurisdictions.

In connection therewith, Licensee has the right to do all work necessary to prepare, add, maintain and alter the Premises for Licensee's communications operations and to install underground utility lines and transmission lines from the Licensor's Property's main entry point to the equipment shelter or cabinet, and to connect utility lines and transmission lines from the equipment shelter or cabinets to the antennas as provided for herein. Licensee's Facilities may be modified by Licensee from time to time, only upon prior written approval by Licensor, Licensor's approval not to be unreasonably withheld, conditioned or delayed. Before commencing any work at the Premises, including any alterations or modifications, Licensee shall submit plans and specifications to the Licensor for the Licensor's review and written approval, such approval not to be unreasonably withheld, conditioned or delayed. Licensee shall reimburse Licensor for expenses incurred, not to exceed \$5,000 during the Initial Term or any Renewal Term, related to reviewing said plans and specifications and requests for modifications submitted for Licensor's approval, including but not limited to engineering and operational technical analysis, internal staff and consultants, administrative processing costs, and legal expenses. Licensee shall submit a deposit in the amount of \$5,000, and provide additional deposit funds if the initial deposit is depleted, which deposit funds shall be applied toward said reimbursement of expenses. Licensor may also use such deposit for its expenses related to

preparation and review of this Agreement, including legal fees. Licensor shall provide Licensee an itemized invoice in support thereof for its expenses incurred. Licensor shall endeavor to either (i) object to the plans in writing within thirty (30) days of submission of the plans by Licensee or (ii) furnish the Licensee with written approval, within thirty (30) days of the date of submission of the plans by Licensee. Licensor will endeavor to promptly notify Licensee if additional time for review is needed and in good faith will discuss with Licensee any concerns with proposed modifications to resolve those concerns and facilitate approval of a modification. All work to be done by Licensee shall be performed in accordance with the approved plans unless otherwise approved in writing by the Licensor. Notwithstanding, the procedures stated in this paragraph, Licensor may in its reasonable discretion withhold approval of any modification requests pending resolution of interference issues pursuant to Section 8.

All of Licensee's construction and installation work shall be performed at Licensee's sole cost and expense by licensed and bondable contractors in a good and worker-like manner and shall not unreasonably interfere with Licensor's facilities and operations and shall be coordinated with Licensor to avoid interference with other scheduled construction or maintenance on the Property. Except to the extent permitted in this Agreement, Licensee shall maintain and operate Licensee's Facilities in such a manner that does not materially impact Licensor's Property and/ or operations, or inconvenience adjoining and neighboring properties. All work related to Licensee's Facilities shall be performed by Licensee's own personnel or licensed and bonded contractors hired by the Licensee. Any proposed changes to the construction or installation work deviating from any and all approved improvement plans and construction drawings, must be approved in advance by Licensor, Licensor's approval not to be unreasonably withheld, conditioned or delayed, and all other applicable jurisdictions.

Title to the Licensee's Facilities and any equipment placed on the Premises by Licensee shall be held by Licensee. All of Licensee's Facilities shall remain the property of Licensee and are not fixtures. Licensee has the right to remove all Licensee's Facilities at its sole expense on or before the expiration or earlier termination of this Agreement. Within ninety (90) days following the date of termination for any cause, or within ninety (90) days following the end of the Agreement Term and any extension thereof, Licensee shall remove, at its sole expense, all of the Licensee's Facilities both above ground and below ground placed on the Premises and return the Premises to the pre-installation condition (reasonable wear and tear, and damages due to causes beyond the control or without the fault or neglect of Licensee, excepted). Licensee shall not be required to remove any conduits, cables or wires below existing grade or any foundation in excess of three feet (3') below grade, unless specifically requested to do so by Licensor in the event such improvements would interfere with future Licensor use of the Premises. Should Licensee fail to remove Licensee's Facilities within such ninety (90) day period, after sixty (60) days' notice, Licensor may retain, or remove and dispose of Licensee's Facilities at Licensee's expense.

Licensee shall have the right to install underground utilities, at Licensee's expense, and to improve the present utilities on or near the Premises. Utility service will be at a location approved by Licensor, such approval not to be unreasonably withheld, conditioned or delayed, and shall not unreasonably interfere with Licensor's operation and maintenance of its facilities. Licensee shall keep and maintain Licensee's Facilities in good repair. Licensee shall make all

repairs to the Property to the extent such is necessitated by reason of Licensee's default or negligence. Licensee shall fully and promptly pay for all utilities furnished to the Premises for Licensee's use throughout the Term of this Agreement, and all other costs and expenses incurred by Licensee in connection with Licensee's use, operation and maintenance of the Premises.

Access.

Licensee shall have the right but not the obligation at any time following the full execution of this Agreement and prior to the Commencement Date to enter the Premises for the purpose of making necessary engineering surveys, inspections, and tests where applicable, for the purpose of determining the suitability of the Premises for Licensee's Facilities (as defined herein) for communications operations and for the purpose of construction of such facilities. During any pre-construction work and construction work, Licensee will have insurance as set forth in Section 13, and will notify Licensor of any proposed construction work and will coordinate the scheduling of same with Licensor. If Licensee determines that the Premises are unsuitable for Licensee's contemplated use, then Licensee will notify Licensor and this Agreement will terminate in accordance with Section 10(a)(ii). Licensor at no time warrants or guarantees the suitability of the Premises for Licensee's intended use. Additionally, Licensee will notify Licensor of any proposed pre-Commencement Date access to Licensor's Property and coordinate the scheduling of same with Licensor no less than 48 hours prior to the proposed access.

After the Commencement Date, Licensee shall comply with the requirements set forth in the following provisions.

- i. For any post-Commencement Date access, Licensee will obtain and maintain insurance coverage as set forth in Section 13.
- ii. Licensee will notify Licensor of any proposed construction, installation or maintenance work, and coordinate the scheduling of same with the District no less than 48 hours prior to the proposed commencement of work.
- iii. Except for emergency situations, access for the purpose of any construction and/or maintenance between the hours of 5:00 p.m. and 7:30 a.m. shall require prior written approval of Licensor before work may begin. In the event Licensee accesses the Premises pursuant to an emergency situation, Licensee shall report such emergency to Licensor within a reasonable time after discovery, and Licensee shall provide a written report as to the details of the emergency within one week of the emergency action.
- iv. Except for emergency situations, access during nighttime hours for any activities that might interfere with the quiet enjoyment of the neighboring residences must be approved in advance by Licensor.
- v. Licensee's construction or installation work for Licensee's Facilities shall be performed between the hours of 7:30 a.m. and 4:30 p.m., Monday through Friday, except on holidays observed by Licensor, or as prescribed by Licensee's building permit from the agency having jurisdiction, whichever is more stringent.

vi. Licensee shall have access during regular business hours (Monday through Friday, 7:30 a.m. to 4:30 p.m., not including holidays) subject to the conditions within this Section. During regular business hours, Licensee shall contact Licensor's _____ [title] at (____) ____-____.

Licensor shall maintain all access roads from the nearest public roadway to the Premises in a manner sufficient to allow access, as such existed on the date of this Agreement, as first above written. Licensor shall be responsible for maintaining and repairing such roadway, at its sole expense, except for any damage or extraordinary wear and tear caused by Licensee's use of such roadways. Licensee's use of rights of way, easements, ingress and egress shall conform to Licensor's reasonable standard guidelines regarding vehicle and equipment capacity limits, so long as such guidelines are subject to, and not inconsistent with, the terms and conditions of this Agreement. If Licensee causes any such damage, Licensee shall promptly repair same in a manner reasonably satisfactory to Licensor's chief engineer or his or her designee. Notwithstanding the foregoing, Licensee shall not be responsible for ordinary wear and tear caused by Licensee's use of such roadways.

Licensee understands and acknowledges that Licensee will access Licensor's Property by using a private road easement held by Licensor. Licensee also understands and acknowledges that the fee owner of the private road property has constructed a gate across the road. Subject to the terms and conditions in this Agreement, Licensor hereby extends to Licensee a non-exclusive license to use the private road easement to access Licensor's Property. Licensor will cooperate in good faith to help Licensee obtain an access code, key card, or other applicable mechanism necessary for Licensee to pass through the gate.

Interference.

Licensee shall construct and operate Licensee's Facilities in a manner that will not cause interference to Licensor's current facilities or operations or any future facilities constructed, operated or maintained by Licensor, including but not limited to, Licensor's SCADA system or a future automated meter reading system, or which cause interference to other authorized users of the Licensor's Property that pre-date the installation of Licensee's Facilities. Notwithstanding the foregoing, in the event Licensee's Facilities cause interference to any future facilities constructed, operated or maintained by Licensor, then Licensor agrees to assist and cooperate in good faith with Licensee to resolve and correct such interference. In the event such signal/frequency interference should occur, all reasonable costs to remedy the interference shall be borne by Licensee. Pre-existing communication system operations/operators operating in substantially the same manner as on the Commencement Date shall not be deemed interference to Licensee, as long as such pre-existing communication system operations/operators operate and continue to operate within their respective frequencies and in accordance with all applicable laws and regulations. All operations by Licensee shall be in compliance with all applicable federal, state and local non-interference regulations including but not limited to, the Federal Communications Commission (FCC). Licensee shall provide initial proof of compliance by providing original transmission tolerance and interference analysis by a certification through an independent source. Licensor reserves the right to perform periodic, random transmission tolerance testing and interference analysis at Licensor's sole cost and expense. Licensor and Licensee shall use commercially reasonable efforts and shall proceed in good faith to cooperate

in resolving any interference resulting from Licensor's installation of future communication systems equipment.

Within thirty (30) days of Licensor notifying Licensee of interference with Licensor's facilities, Licensee must either cease the interference or provide Licensor with results of an investigation showing that Licensee's Facilities are not causing interference to Licensor's facilities. If the interference continues, Licensor may perform an additional investigation. Licensee shall fully cooperate and in good faith assist Licensor with any requirements for conducting said additional investigation of interference related to Licensee's Facilities. If the additional investigation reveals any interference from Licensee's Facilities, upon Licensor's notice to Licensee of the existence of such interference, Licensee shall do all of the following: (1) upon request by Licensor, reimburse Licensor for all costs incurred related to the additional investigation, including but not limited to attorneys' fees; (2) within thirty (30) days of the notice of interference, research and evaluate options to cease or correct the interference from Licensee's Facilities and coordinate in good faith with Licensor to discuss and evaluate options, with a preference given for developing options that will not require filtering or otherwise affecting Licensor's transmission and receiving strength; and (3) at Licensee's sole cost and expense, correct or cease the interference using the mitigation option(s) agreed to by Licensor and Licensee. If Licensee fails to correct and cease the interference to Licensor's reasonable satisfaction as provided for herein, the signal from Licensee's Facilities will be deemed to interfere with Licensor's operation of Licensor's facilities, and this Agreement may be terminated by Licensor pursuant to Section 10(a)(iii), below.

If Licensor receives any request to locate any communications transmitting equipment on Licensor's Property from any third party (a "Carrier"), Licensor shall include in the lease, license or other agreement with the Carrier a provision prohibiting the Carrier from interfering with the communications operations of Licensee's Facilities.

Licensor reserves the right to disrupt and temporarily terminate Licensee's transmission, whenever Licensor performs maintenance or repair on Licensor's facilities located on the Premises. Licensor will use its best efforts to complete such maintenance or repair in an expedited manner. Licensor will give ten (10) days' written notice to the Licensee of any planned maintenance or repair causing disruption to Licensee's operations or Licensee's Facilities before such disruption takes place. In an emergency, or during an unforeseen event requiring maintenance or repair on the Premises, Licensor shall provide notice to the Licensee of the disruption as soon as practicable. Licensor will use its best efforts to provide to Licensee an alternate location on Licensor's Property for the purpose of installing a temporary communications facility to use for the period of service disruption caused by Licensor's maintenance and repair activities.

Except as otherwise provided for in this Agreement, subsequent to the installation of Licensee's Facilities, Licensor shall not permit the use of Licensor's Property in a manner which interferes with the operations of the Licensee Facilities. In the event of interference to Licensee's Facilities, Licensor shall work in good faith with Licensee to promptly terminate such interference.

9. Taxes. Notice is hereby given pursuant to Revenue and Tax Code section 107.6 that the License Agreement may create a taxable property interest in the Premises. Licensee shall pay all taxes and assessments attributable to its Licensee Facilities levied by any legal authority. Licensor shall pay all real property taxes attributable to the Premises (excepting property taxes levied as a direct result of the Licensee's Facilities). Additionally, Licensee shall have the responsibility to pay any personal property, real estate taxes, assessments, or charges owed on the Property which Licensor demonstrates is the result of Licensee's use of the Premises and/or the installation, maintenance, and operation of the Licensee's improvements, and sales tax imposed on the rent, if any (except to the extent that Licensee is or may become exempt from the payment of sales tax in the jurisdiction in which the Property is located), including any increase in real estate taxes at the Property which Licensor demonstrates arises from the Licensee's improvements and/or Licensee's use of the Premises.

10. Termination.

a. This Agreement may be terminated without further liability as follows:

By either Party upon a default of any covenant, condition or term herein by the other Party, which default is not cured within sixty (60) days of receipt of written notice of default, provided that the grace period for any monetary default is thirty (30) days from receipt of notice. No default will be deemed to exist if Licensee or Licensor, as the case may be, has commenced to cure such default within such period and provided that such efforts are brought to completion with reasonable diligence. Delay in curing a default will be excused if due to causes beyond the reasonable control of Licensor or Licensee; or

By Licensee, upon thirty (30) days written notice to Licensor, if Licensee in good faith pursues all necessary license permits or other approvals but fails to obtain or maintain any license, permit or other approval necessary for the installation and operation of Licensee's Facilities, where said failure is through no fault, action, inaction or error of Licensee, or if Licensee is unable to occupy or utilize the Premises due to a ruling or directive of the FCC or other governmental/regulatory agency, including without limitation the take back of channels, or change in frequencies by the FCC, or if Licensee, in its sole discretion, determines, prior to installation of Licensee's Facilities, that it will be unable to use the Premises for its intended purposes.

By Licensor, upon thirty (30) days written notice to Licensee, should the signal from the Licensee's Facilities interfere with Licensor's operation and maintenance of its facilities, provided, however, Licensor has first given Licensee written notice of such interference and Licensee is unable to correct or cease such interference pursuant to Section 8(b), above; or

In the absence of any breach of this Agreement by Licensee, after five (5) years from the Commencement Date, Licensor shall have the right unilaterally to terminate this Agreement, without liability, with two (2) years advance notice to Licensee upon a finding by Licensor's Board of Directors in its sole discretion that the Premises utilized by the Licensee are required to meet Licensor's primary obligation to its customers. Such determination will be made following a noticed meeting at which the Licensee will have the opportunity to appear before the Board of

Directors and object to the proposed termination. In lieu of such termination, if the above-noted determination can be avoided by relocating Licensee's Facilities and the Premises to an alternative site on the Licensor's Property or other property owned by Licensor that is suitable for Licensee's Facilities and available for such use in Licensor's sole discretion, the Parties will in good faith negotiate an amendment to this Agreement providing for said relocation. This Agreement shall terminate if, within the above-noted two (2) year period, the Parties fail to enter into such an amendment to this Agreement.

11. Destruction or Condemnation.

a. If the Premises or Licensee's Facilities are damaged, destroyed or condemned by other than an act of the Licensee, Licensee may elect to terminate this Agreement as of the date of the damage, destruction or condemnation by giving notice to Licensor no more than forty-five (45) days following the date of such damage, destruction or condemnation and all rights and obligations of the Parties which do not survive the termination of this Agreement shall cease as of the date of the damage, destruction or condemnation.

b. If Licensee chooses not to terminate this Agreement, the License Fee shall be reduced or abated in proportion to the actual reduction or abatement of use of the Premises.

c. In any condemnation proceeding whereby the Premises or any portion thereof are condemned, each Party shall be entitled to make a claim against the condemning authority for just compensation (which for Licensee shall include the value of Licensee's Facilities, moving expenses, pre-paid License Fee, reasonable attorneys' fees, and business dislocation expenses).

d. Where the Premises and Licensee's Facilities can be restored within a reasonable period of time in light of the circumstances giving rise to the damage, destruction, or condemnation, and provided Licensee has not elected to terminate this Agreement as permitted herein, Licensor will use reasonable efforts to make available to Licensee the use of a site to operate a temporary communication facility on Licensor's Property or such other property owned by Licensor until the Premises are restored and Licensee's Facilities are fully operational, provided that such space is available in Licensor's sole discretion.

12. Assignment and Sublicense.

a. Licensor intends this Agreement to be for a single communications provider. Notwithstanding any provision of the Agreement to the contrary, and except as expressly provided otherwise below in this paragraph, Licensee must obtain Licensor's written consent prior to assigning, sublicensing, or otherwise transferring all or any part of its interest in this Agreement or in the Premises or Licensee's Facilities, including any assignment, sublicense, or other transfer of any portion of the Premises or this Agreement for the purposes of co-location or any transfer of the management of any of Licensee's Facilities to a management company. Licensor may withhold such consent for any reason in its sole discretion or grant consent subject to additional terms and conditions as may be established by Licensor in its sole discretion. Licensee's entire interest in this Agreement may be sold, assigned, or transferred by the Licensee without any approval or consent of the Licensor to the Licensee's principal, affiliates,

subsidiaries of its principal or to any entity which acquires all or substantially all of Licensee's assets in the market defined by the Federal Communications Commission in which the Licensor's Property is located by reason of a merger, acquisition or other business reorganization, provided however that Licensee shall provide Licensor prompt written notice and evidence satisfactory to Licensor of any such assignment.

c. Subject to Licensee's rights under this Agreement, Licensor reserves the right to license or lease portions of Licensor's Property to other interested communication system operators that may be in competition with Licensee for purposes of mobile/wireless communication services.

d. Consent to any assignment, sublicense, or other transfer shall be conditioned upon the assignee agreeing, in writing, to assume the rights and obligations of this Agreement and keep and perform all covenants, conditions and provisions of this Agreement which are applicable to the rights acquired.

e. Consent to any assignment, sublicense, or other transfer of this Agreement shall not be deemed to be consent to any other or subsequent assignment, sublicense, or transfer to the same or any other party.

f. Any assignment, sublicense, or other transfer of this Agreement, or any use or occupancy of the Licensee's Facilities by any other person or entity, in violation of these provisions shall be void at Licensor's sole discretion.

g. Except as specifically permitted in this Section 12, any other assignment, sublicense, or other transfer of any part of this Agreement or of the use, management, and/or ownership of the Licensee's Facilities without written consent and approval and other considerations, shall be a default of this Agreement which may then be terminated at Licensor's sole discretion; provided, however that if Licensee assigns, sublicenses, or transfers any part of this Agreement or of the use, management, and/or ownership of the Licensee's Facilities in violation of these provisions, Licensee shall have 30 days to cure such violation by fully rescinding such assignment, sublicensing, or transfer. Licensee's indemnity, defense, and hold harmless obligations under Section 14 shall apply during the period of any assignment, sublicensing, or transfer made in violation of this Section 12.

h. Except as otherwise provided in this Agreement, all of the terms, covenants, and conditions of this Agreement shall apply to, benefit, and bind the successors and assigns of the respective parties, jointly and individually.

13. Insurance.

a. Licensee, at Licensee's sole cost and expense, shall procure and maintain the following commercial general liability and automobile liability insurance:

(i) Coverage. Coverage for commercial general liability and automobile liability insurance shall be at least as broad as the following:

(a) Insurance Services Office Commercial General Liability Coverage (Occurrence Form CG 0001 or equivalent).

(b) Insurance Services Office Automobile Liability Coverage (Form CA 0001 or equivalent), covering Symbol 1 (any auto).

(ii) Limits. The Licensee shall maintain limits of the following:

(a) General Liability. Three Million Dollars (\$3,000,000) per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, the general aggregate limit shall be twice the required occurrence limit.

(b) Automobile Liability. One Million Dollars (\$1,000,000) for bodily injury and property damage each accident limit.

(iii) Required Provisions. The general liability and automobile liability policies are to contain, or be endorsed to the effect:

(a) Licensor, its Board of Directors, each member of its Board of Directors, its officers, employees, agents, or authorized volunteers are included as additional insureds under each required policy, and with respect to liability arising out of the Premises licensed by the Licensee or automobiles owned, leased, hired or borrowed by the Licensee. The coverage shall contain no special limitations on the scope of protection afforded to Licensor, its Board of Directors, each member of its Board of Directors, its officers, employees, agents, or authorized volunteers except for claims caused by the sole negligence or willful misconduct of the additional insured(s).

(b) For any claims related to this Agreement, the Licensee's required insurance shall be primary insurance to Licensor, its directors, officers, employees or authorized volunteers.. Any insurance, self-insurance or other coverage maintained by Licensor, its directors, officers, employees, or authorized volunteers shall not contribute to it in this respect.

(c) The Licensee's insurance shall apply separately to each insured against whom a claim is made or suit is brought, except with respect to the limits of the insurer's liability.

(d) Licensee shall give at least thirty (30) days (10 days for non-payment of premium) prior written notice by U.S. mail to Licensor of cancelation of any required coverage that is not replaced. In the event of replacement of any required insurance, Licensee shall, within sixty (60) days of such replacement, file with Licensor a certificate of insurance (ACORD Form 25-S or insurer's equivalent) and an additional insured endorsement (CG 2010 or blanket insurers equivalent) both signed by a properly authorized officer, agent or representative of the insurer. Such evidence of insurance shall confirm that coverage includes or has been modified to include the required provisions as provided in Section 13(a)(iii)(a) through (v).

The general liability policy shall cover bodily injury and property damage liability, and blanket contractual liability.

The automobile liability policy shall cover all owned, non-owned, and hired automobiles.

(iv) Self-Insured Retentions. Any self-insured retention in required coverage must be declared to Licensor.

(v) Acceptability of Insurers. Insurance is to be placed with insurers having a current A.M. Best rating of no less than A-; VII or equivalent, unless otherwise approved by Licensor.

(vi) Workers' Compensation and Employer's Liability Insurance. The Licensee shall cover or insure under the applicable laws relating to workers' compensation insurance, all of their employees working on or about Licensor's Property, all in accordance with the "Workers' Compensation and Insurance Act," Division IV of the Labor Code of the State of California and any Acts amendatory thereof. The Licensee shall provide employers liability insurance in the amount of, at least, One Million Dollars (\$1,000,000) per accident for bodily injury and disease, policy limit.

(vii) Evidences and Cancellation of Insurance. Prior to the beginning of construction of any improvements provided in Section 6(a), the Licensee shall file with Licensor a certificate of insurance (ACORD Form 25-S or insurer's equivalent) and an additional insured endorsement (CG 2010 or blanket insurers equivalent) both signed by a properly authorized officer, agent or representative of the insurer. Such evidence of insurance shall confirm that coverage includes or has been modified to include the required provisions as provided in Section 13(a)(iii)(a) through (v).

(viii) Workers' Compensation Insurance. By his/her signature hereunder, Licensee certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and he/she will comply with such provisions in connection with any work performed on the Premises. Any persons providing services with or on behalf of Licensee shall be covered by workers' compensation, or qualified self-insurance.

(ix) Licensee Facilities. Licensee will bear risk of loss or damage to Licensee Facilities.

(x) Self-Insurance. Notwithstanding the forgoing, Licensee may, in its sole discretion, self insure any of the required insurance under the same terms as required by this Agreement. In the event Licensee elects to self-insure its obligation under this Agreement to include Licensor as an additional insured, the following conditions apply: (i) Licensor shall promptly and no later than thirty (30) days after notice thereof provide Licensee with written notice of any claim, demand, lawsuit, or the like for which it seeks coverage pursuant to this Section and provide Licensee with copies of any demands, notices, summonses, or legal papers received in connection with such claim, demand, lawsuit, or the like; (ii) Licensor shall not settle any such claim, demand, lawsuit, or the like without the prior written consent of Licensee; and (iii) Licensor shall fully cooperate with Licensee in the defense of the claim, demand, lawsuit, or the like.

b. Waiver of Subrogation. The Parties hereby waive and release any and all rights of action for negligence against the other which may hereafter arise on account of damage to the Premises or to the Licensor's Property, resulting from any fire, or other casualty of the kind covered by standard fire insurance policies with extended coverage, regardless of whether or not, or in what amounts, such insurance is now or hereafter carried by the Parties, or either of them. These waivers and releases shall apply between the Parties and they shall also apply to any claims under or through either Party as a result of any asserted right of subrogation. All such policies of insurance obtained by either Party concerning the Premises or the Licensor's Property shall waive the insurer's right of subrogation against the other Party.

14. Indemnification. To the fullest extent permitted by law, Licensee shall indemnify and hold harmless and defend Licensor, its directors, officers, employees, or authorized volunteers, and each of them from and against:

Any and all claims, demands, causes of action, damages, costs, expenses, losses or liabilities, in law or in equity, of every kind and nature whatsoever for, but not limited to, injury to or death of any person including Licensor and/or Licensee, or any directors, officers, employees, agents, contractors, or authorized volunteers of Licensor or Licensee, and damages to or destruction of property of any person, including but not limited to, Licensor and/or Licensee and their directors, officers, employees, agents, contractors, or authorized volunteers, arising out of or in any manner connected with the Licensee's use of the Premises, except to the extent caused by the willful misconduct or gross negligence of Licensor or its directors, officers, employees, agents, contractors, or authorized volunteers;

Any and all actions, proceedings, damages, costs, attorneys' fees, expenses, penalties or liabilities, in law or equity, of every kind or nature whatsoever, arising out of, resulting from, or on account of the violation of any governmental law or regulation, compliance with which is the responsibility of Licensee. Any and all losses, expenses, damages (including damages to the work itself), attorneys' fees, and other costs, including all costs of defense, which any of them may incur with respect to the failure, neglect, or refusal of Licensee to faithfully perform all of its obligations under this Agreement. Such costs, expenses, and damages shall include all costs, including attorneys' fees, incurred by the indemnified Parties in any lawsuit to which they are a party.

Any and all actions, proceedings, damages, costs, attorneys' fees, expenses, penalties or liabilities, in law or equity, of every kind or nature whatsoever, arising out of, resulting from, or on account of Licensee's use of Licensor's private road easement, including, but not limited to, an action by a third party regarding Licensee's right to use the private road, or an action by Licensee to require the owner of the servient tenement to allow access consistent with Licensor's easement.

Licensee shall defend, at Licensee's own cost, expense and risk, any and all such aforesaid suits, actions or other legal proceedings of every kind that may be brought or instituted against Licensor or Licensor's directors, officers, employees, agents, contractors, or authorized volunteers. Licensor or its authorized representatives shall have the right to reasonably approve legal counsel to jointly or severally represent any or all of the parties. Licensee and its counsel

shall also consult with Licensor regarding the course, strategy, or defense of any litigation and Licensor shall have the right to reasonably approve any compromise, settlement or other resolution of any or all of the aforesaid suits, actions, or other legal proceedings. Licensee shall pay and satisfy any judgment, award or decree that may be rendered against Licensor or its directors, officers, employees, agents, contractors, or authorized volunteers, in any suit, action or other legal proceeding under this paragraph, provided that Licensee has a duty to indemnify Licensor pursuant to this section.

Licensee agrees to reimburse Licensor and its directors, officers, employees, agents, contractors, or authorized volunteers, for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided.

Licensee's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by the Licensor, or its directors, officers, employees, agents, contractors, or authorized volunteers.

15. Safety and Environmental Protection. The Licensee shall operate and maintain the Premises so as to avoid injury or damage to any person or property.

a. In carrying out his/her work, the Licensee shall at all times, exercise all necessary precautions for the safety and environmental protection of the Premises, and be in compliance with all applicable federal, state and local statutory and regulatory requirements including, as applicable, but not limited to, State of California, Division of Industrial Relations (Cal/OSHA) regulations, Cal/EPA US/EPA and the U.S. Department of Transportation including the Omnibus Transportation Employee Testing Act (as applicable).

b. Licensor and Licensee each agree that they will not use, generate, store or dispose of any Hazardous Material (as defined below) on, under, about or within Licensor's Property in violation of any law or regulation. Licensor and Licensee each agree to defend and indemnify the other and the other's partners, affiliates, agents and employees against any and all losses, liabilities, claims and/or costs (including reasonable attorneys' fees and costs) arising from any breach of any warranty or agreement contained in this paragraph. The term "Hazardous Material" shall mean any hazardous, toxic or dangerous waste, substance, pollutant, emission or matter (including petroleum products, whether so defined or not, and asbestos), defined or listed as such in the California Hazardous Waste Control Law (Health & Safety Code § 25100 et seq.), the Comprehensive Environmental Response, Compensation, and Liability Act (42 U.S.C. 9601 et seq.), the Resource Conservation and Recovery Act (42 U.S.C. § 6901 et seq.), the Clean Water Act (33 U.S.C. § 1251 et seq.), or any other federal, state, or local statute, law, ordinance, code, rule, or regulation. Licensor and Licensee acknowledge that Licensee shall be utilizing and maintaining on the Premises sealed batteries, propane/diesel/gasoline, HVAC system, and a halon/FM200 fire suppression system and that the use and maintenance of such items shall not constitute a violation or breach of this paragraph.

c. The Parties shall promptly notify each other in writing upon becoming aware of any release of Hazardous Material or violation of any environmental law or actions brought by third Parties against the Licensee or Licensor alleging environmental damage.

d. Licensee is responsible for any investigation of site conditions, cleanup, remedial, removal or restoration work arising out of or in any manner connected with the Licensee's activities on the Licensor's Property that is required (a) under any applicable federal, state, or local statute, law, ordinance, code, rule, or regulation; (b) by any judicial arbitral or administrative order; (c) to comply with any agreements affecting the Licensor's Property; or (d) to maintain the Licensor's Property in a standard of environmental conditions which presents no risk to safety or health and prevents the release of any Hazardous Materials to adjacent property.

e. Licensee shall identify by a sign in letters no greater than ½ inch in height permanently affixed to Licensee's Facilities the responsible party to notify in case of emergency or maintenance, but no other signs are permitted on the Premises or Licensee's Facilities, unless required by a regulating body.

f. Licensee shall be solely responsible for ensuring that any applicable lighting and painting rules and requirements of the FCC and the Federal Aviation Administration ("FAA") (the "FCC/FAA Rules") and will indemnify, save and hold Licensor harmless from and against any and all losses, costs, expenses, fees or liability arising from Licensee's failure to comply with such FCC/FAA rules.

16. Notices. Any notice, demand or payment required to be given herein shall be made by certified or registered mail, return receipt requested, or reliable overnight courier to the address of the respective Parties set forth below:

Licensor: Fallbrook Public Utility District
Attn: Accounting Manager
990 E. Mission Road
Fallbrook, CA 92028

With a copy to: Best Best & Krieger LLP
655 West Broadway, 15th Floor
San Diego, CA 92101-3542
Attn: Paula C.P. de Sousa

Licensee: New Cingular Wireless PCS, LLC
Attn: Network Real Estate Administration
Re: Cell Site #: CAL01603; Cell Site Name: De Luz (CA)
Fixed Asset #: 13802495
575 Morosgo Drive NE
Atlanta, GA 30324

With a copy to: New Cingular Wireless PCS, LLC
Attn: AT&T Legal Dept – Network Operations
Re: Cell Site #: CAL01603; Cell Site Name: De Luz (CA)
Fixed Asset #: 13802495
208 S. Akard Street
Dallas, TX 75202-4206

The copy sent to either Party's legal counsel is an administrative step which alone does not constitute legal notice.

Notices will be effective upon actual receipt or refusal. Either Party hereto may change the place for the giving of notice to it by thirty (30) days' prior written notice to the other as provided herein.

17. Attorneys' Fees; Limitation of Liability.

a. In the event legal action by either Party is brought to enforce any term hereof or in the recovery of damages for any breach hereof, or to determine any rights of the Parties under this Agreement, the prevailing Party in such actions may recover reasonable attorneys' fees to be fixed by the court.

b. When any provision of this Agreement entitles either Party to receive costs or expenses from the other, the term costs and expenses shall include reasonable attorneys' fees incurred, notwithstanding any reference or lack of reference to attorneys' fees. When any section or provision of this Agreement provides that either Party will hold the other Party harmless from claims, that Party shall pay all of the other Party's reasonable attorneys' fees incurred in investigating and defending such claims.

18. Miscellaneous.

a. This Agreement constitutes the entire agreement and understanding between the Parties, and supersedes all offers, negotiations and other agreements concerning the subject matter contained herein. There are no representations or understandings of any kind not set forth in this Agreement. Any amendments to this Agreement must be in writing and executed by both Parties.

b. Nothing in this Agreement is intended to create an interest or estate of any kind or extent in the Property or Premises nor does it create a landlord/tenant relationship and Licensee agrees and acknowledges that it is not entitled to avail itself of any rights afforded to tenants under the laws of the State of California, and Licensee shall at no time acquire any property interest in any of Licensor's Property.

c. If any provision of this Agreement is invalid or unenforceable with respect to any Party, the remainder of this Agreement or the application of such provision to persons other than those as to whom it is held invalid or unenforceable, shall not be affected and each provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

d. This Agreement shall be binding on and inure to the benefit of the successors and permitted assignees of the respective Parties.

e. This Agreement shall be interpreted in accordance with the laws of the State of California. If any action is brought to interpret or enforce any term of this Agreement, the action

shall be brought in a state or federal court situated in the County of San Diego, State of California.

f. In any case where the approval or consent of one Party hereto is required, requested or otherwise to be given under this Agreement, except as otherwise set forth in this Agreement such Party shall not unreasonably delay, condition or withhold its approval or consent.

g. Each Party declares that prior to the execution of this Agreement, it has consulted with its attorney in order that it may intelligently exercise its own judgment in deciding whether to execute, and in deciding on the contents of this Agreement. Therefore, this Agreement shall not be construed against any Party because that Party's representation drafted the Agreement or any part of it.

h. The Licensee shall give all notices required of it by applicable law and comply with all applicable laws, ordinances, rules and regulations pertaining to the conduct of the Premises. The Licensee shall be liable for all violations of the law in connection with this Agreement, as pertains to the Licensee.

i. All Exhibits attached hereto are material parts of this Agreement.

j. This Agreement may be executed in duplicate counterparts, each of which shall be deemed an original.

k. Both Parties represent and warrant that the undersigned individuals executing this Agreement have the legal power, right, and authority to enter into the obligations under this Agreement and bind each respective Party.

k. Upon request, either Party may require that a Memorandum of License be recorded in the form of **Exhibit "E."** If so recorded, upon termination of this Agreement, Licensee shall record a quitclaim deed or Memorandum of Termination in the official records of the County Recorder's office.

[Signatures located on the following page.]

IN WITNESS THEREOF, the Parties have executed this Communications Site License Agreement as of the date first above written.

LICENSOR:

FALLBROOK PUBLIC UTILITY DISTRICT, a California Public Utility District operating under the Public Utility District Act (Public Utilities Code Section 15501, et seq.), successor in interest and who acquired title as DeLuz Heights Municipal Water District

By: _____
Name: _____
Its: _____
Date: _____

LICENSEE:

New Cingular Wireless PCS, LLC, a Delaware limited liability company

By: AT&T Mobility Corporation
Its: Manager

By: _____
Name: _____
Its: _____
Date: _____

EXHIBIT "A"

LICENSOR'S PROPERTY

All that certain real property situated in the County of San Diego, State of California, described as follows:

THOSE PORTIONS OF THE NORTHEAST QUARTER OF SECTION 33, TOWNSHIP 8 SOUTH, RANGE 4 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO OFFICIAL PLAT THEREOF, DESCRIBED AS FOLLOWS:

PARCEL A:

COMMENCING AT THE MOST NORTHERLY CORNER OF PARCEL 1 OF [PARCEL MAP NO. 2903](#), RECORDED IN THE OFFICE OF THE REORDER OF SAID SAN DIEGO COUNTY, AUGUST 1, 1974;
THENCE ALONG THE BOUNDARY OF SAID PARCEL 1, SOUTH 0°18'10" EAST, 422.58 FEET TO A POINT ON THE CENTER LINE OF THAT 60 FOOT STRIP THROUGH SAID PARCEL 1, SHOWN AND DELINEATED AS "EXISTING PRIVATE 60' ROAD AND UTILITY EASEMENT PER [DOCUMENT NO. 108174](#), JUNE 22, 1970", SAID POINT BEING ON A 100.03 FOOT RADIUS CURVE CONCAVE NORTHERLY, THE RADIAL LINE TO SAID POINT BEARS SOUTH 22°56'01" WEST;
THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 4°42'53", A DISTANCE OF 8.23 FEET TO POINT "A" OF THIS DESCRIPTION;
THENCE SOUTH 48°25'45" WEST, 89.54 FEET TO THE BEGINNING OF A TANGENT 200.05 FOOT RADIUS CURVE CONCAVE SOUTHEASTERLY;
THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 12°48'35", A DISTANCE OF 44.73 FEET;
THENCE TANGENT TO SAID CURVE, SOUTH 35°37'10" WEST, 72.26 FEET TO THE BEGINNING OF A TANGENT 100.03 FOOT RADIUS CURVE CONCAVE NORTHWESTERLY;
THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 42°41'39", A DISTANCE OF 24.54 FEET;
THENCE TANGENT TO SAID CURVE, SOUTH 78°18'49" WEST, 79.10 FEET TO THE BEGINNING OF A TANGENT 30.01 FOOT RADIUS CURVE CONCAVE SOUTHEASTERLY;
THENCE SOUTHEASTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 70°22'40", A DISTANCE OF 36.86 FEET;
THENCE SOUTH 7°56'09" WEST, 38.11 FEET TO THE TRUE POINT OF BEGINNING;
THENCE NORTH 83°38'41" WEST, 22.97 FEET TO THE BEGINNING OF A TANGENT 175.05 FOOT RADIUS CURVE CONCAVE SOUTHERLY;
THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 8°25'00", A DISTANCE OF 25.71 FEET TO POINT "B" OF THIS DESCRIPTION;
THENCE SOUTH 14°38'49" WEST, 190.37 FEET;
THENCE SOUTH 66°22'20" EAST, 173.55 FEET;
THENCE NORTH 30°13'49" EAST, 185.13 FEET;
THENCE NORTH 58°31'13" WEST, 170.77 FEET TO A LINE WHICH BEARS SOUTH 83°38'41" EAST, FROM THE TRUE POINT OF BEGINNING;
THENCE NORTH 83°38'41" WEST, 10.00 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL B:

AN EASEMENT AND RIGHT-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCE THERETO, OVER, UNDER, ALONG AND ACROSS A STRIP OF LAND 20 FEET IN WIDTH, THE CENTER LINE POINT "A" AND POINT "B".

EXHIBIT A
(Continued)

EXCEPTING THEREFROM THAT PORTION LYING WITHIN SAID PARCEL A.

EXCEPTING ALSO THEREFROM THAT PORTION LYING WITHIN THE HEREINABOVE MENTIONED 60 FOOT EASEMENT.

PARCEL C:

AN EASEMENT AND RIGHT-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCES THERETO, OVER, UNDER, ALONG AND ACROSS A STRIP OF LAND 20 FEET IN WIDTH, THE CENTER LINE OF SAID STRIP BEING DESCRIBED AS FOLLOWS:

BEGINNING AT POINT "B" DESIGNATED IN PARCEL A ABOVE, SAID POINT BEING ON A 175.05 FOOT RADIUS CURVE CONCAVE SOUTHERLY, THE RADIAL LINE TO SAID POINT BEARS NORTH 2°03'41" WEST;
THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 15°40'10", A DISTANCE OF 47.87 FEET TO THE BEGINNING OF A 183.34 FOOT RADIUS REVERSE CURVE CONCAVE NORTHERLY; THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 42°24'30", A DISTANCE OF 135.70 FEET;
THENCE TANGENT TO SAID CURVE, NORTH 65°19'21" WEST, 178.29 FEET TO AN INTERSECTION WITH THE CENTER LINE OF THAT 60 FOOT EASEMENT MENTIONED IN PARCEL A ABOVE.

EXCEPTING THEREFROM THAT PORTION LYING WITHIN SAID 60 FOOT EASEMENT.

PARCEL D:

AN EASEMENT AND RIGHT-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCES THERETO, OVER, UNDER, ALONG AND ACROSS THAT 60 FOOT STRIP DESCRIBED IN DEED TO HELEN DAILY, RECORDED JUNE 22, 1970 AS [INSTRUMENT NO. 108174](#) OF OFFICIAL RECORDS.

PARCEL E:

EASEMENTS AND RIGHTS-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCES THERETO, OVER, UNDER, ALONG AND ACROSS THOSE STRIPS OF LAND DESCRIBED IN PARCELS 3, 4, 5 AND 6 OF DEED TO JOAN ROSE, RECORDED MARCH 7, 1973 AS [INSTRUMENT NO. 73-059989](#) OF OFFICIAL RECORDS.

APN: 101-370-66

EXHIBIT "B"

DESCRIPTION OF THE PREMISES

EXHIBIT "A"

LICENSOR'S PROPERTY

All that certain real property situated in the County of San Diego, State of California, described as follows:

THOSE PORTIONS OF THE NORTHEAST QUARTER OF SECTION 33, TOWNSHIP 8 SOUTH, RANGE 4 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO OFFICIAL PLAT THEREOF, DESCRIBED AS FOLLOWS:

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THENCE ALONG THE BOUNDARY OF SAID PARCEL 1, SOUTH 0°18'10" EAST, 422.58 FEET TO A POINT ON THE CENTER LINE OF THAT 60 FOOT STRIP THROUGH SAID PARCEL 1, SHOWN AND DELINEATED AS "EXISTING PRIVATE 60' ROAD AND UTILITY EASEMENT PER DOCUMENT NO. 108174, JUNE 22, 1970", SAID POINT BEING ON A 100.03 FOOT RADIUS CURVE CONCAVE NORTHERLY, THE RADIAL LINE TO SAID POINT BEARS SOUTH 22°56'01" WEST;
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THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 12°48'35", A DISTANCE OF 44.73 FEET;
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THENCE NORTH 83°38'41" WEST, 10.00 FEET TO THE TRUE POINT OF BEGINNING.

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EXHIBIT A
(Continued)

EXCEPTING THEREFROM THAT PORTION LYING WITHIN SAID PARCEL A.

EXCEPTING ALSO THEREFROM THAT PORTION LYING WITHIN THE HEREINABOVE MENTIONED 60 FOOT EASEMENT.

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AN EASEMENT AND RIGHT-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCES THERETO, OVER, UNDER, ALONG AND ACROSS A STRIP OF LAND 20 FEET IN WIDTH, THE CENTER LINE OF SAID STRIP BEING DESCRIBED AS FOLLOWS:

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EXCEPTING THEREFROM THAT PORTION LYING WITHIN SAID 60 FOOT EASEMENT.

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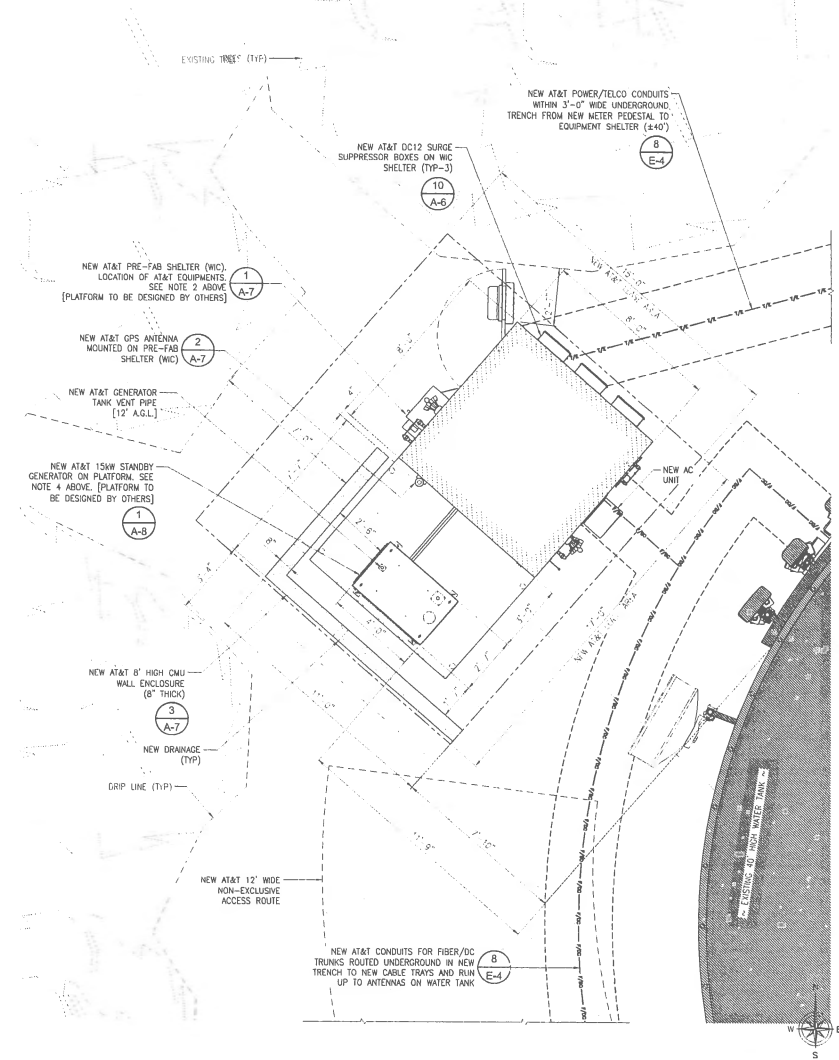
PARCEL E:

EASEMENTS AND RIGHTS-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCES THERETO, OVER, UNDER, ALONG AND ACROSS THOSE STRIPS OF LAND DESCRIBED IN PARCELS 3, 4, 5 AND 6 OF DEED TO JOAN ROSE, RECORDED MARCH 7, 1973 AS INSTRUMENT NO. 73-059989 OF OFFICIAL RECORDS.

APN: 101-370-66

EXHIBIT "C"
LICENSEE'S FACILITIES

- NOTES:
- NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED AS PART OF THE NEW INSTALLATION.
 - PREFABRICATED SHELTER, EMERGENCY BACKUP GENERATOR, AND ALL ASSOCIATED EQUIPMENT TO BE CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS WITH THEIR RESPECTIVE DOORS MADE OF METAL/STEEL.
 - NEW EQUIPMENT SHELTER AND PLATFORM TO BE DESIGNED BY OTHERS.



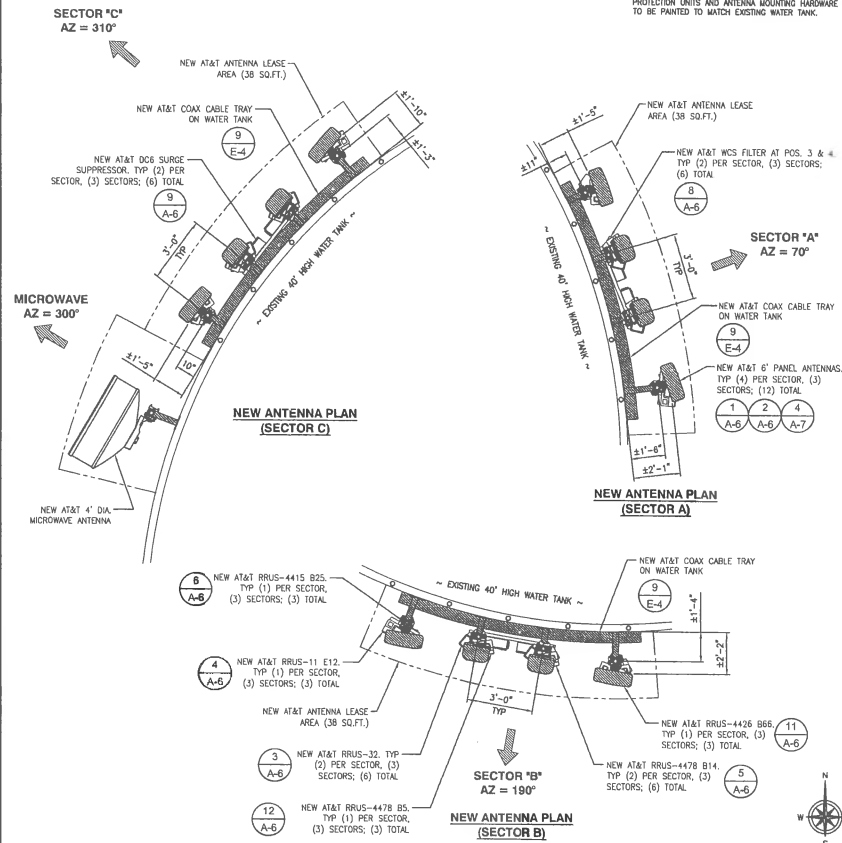
ENLARGED SITE PLAN

24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"

NEW ANTENNA SCHEDULE

ANTENNA POSITION	STATUS	RAD CENTER	TECHNOLOGY	ANTENNA MAKE/MODEL	AZIMUTH	ANTENNA COUNT	FILTER/TMA MODEL	FILTER/TMA COUNT	TRANSMISSION LENGTH	TRANSMISSION TYPE(S)	RRUS MAKE/MODEL	RRUS COUNT
A1	NEW	35'-9"	700/1900	KATHREIN 80010985	70°	1	-	-	±160'-0"	HYBRID	RRUS-4415 B25	1
A2	NEW	36'-2"	WCS/LTE 850	CCI BSA-MESR-KU-H6	70°	1	-	±160'-0"	RRUS-11 E12		1	
A3	NEW	36'-2"	WCS	CCI BSA-MESR-KU-H6	70°	1	-	±160'-0"	RRUS-4478 B14		1	
A4	NEW	35'-9"	LTE 700 FDD FRS	KATHREIN 80010985	70°	1	WCS-MFQ-AMT	1	±160'-0"		RRUS-4478 B5	1
B1	NEW	35'-9"	700/1900	KATHREIN 80010985	190°	1	-	-	±100'-0"	HYBRID	RRUS-4415 B25	1
B2	NEW	36'-2"	WCS/LTE 850	CCI BSA-MESR-KU-H6	190°	1	-	±100'-0"	RRUS-11 E12		1	
B3	NEW	36'-2"	WCS	CCI BSA-MESR-KU-H6	190°	1	WCS-MFQ-AMT	1	±100'-0"		RRUS-4478 B14	1
B4	NEW	35'-9"	LTE 700 FDD FRS	KATHREIN 80010985	190°	1	WCS-MFQ-AMT	1	±100'-0"		RRUS-4478 B5	1
C1	NEW	35'-9"	700/1900	KATHREIN 80010985	310°	1	-	-	±70'-0"	HYBRID	RRUS-4415 B25	1
C2	NEW	36'-2"	WCS/LTE 850	CCI BSA-MESR-KU-H6	310°	1	-	±70'-0"	RRUS-11 E12		1	
C3	NEW	36'-2"	WCS	CCI BSA-MESR-KU-H6	310°	1	WCS-MFQ-AMT	1	±70'-0"		RRUS-4478 B14	1
C4	NEW	35'-9"	LTE 700 FDD FRS	KATHREIN 80010985	310°	1	WCS-MFQ-AMT	1	±70'-0"		RRUS-4478 B5	1
NW	NEW	37'-0"	-	TBD	300°	-	-	-	±70'-0"	COAX	-	

- NOTES:
- ALL NEW PANEL ANTENNAS, RRUS AND SURGE PROTECTION UNITS AND ANTENNA MOUNTING HARDWARE TO BE PAINTED TO MATCH EXISTING WATER TANK.



NEW ANTENNA LAYOUT

24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"



5738 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121



6888 MINOSA DRIVE
CARLSBAD, CA 92011

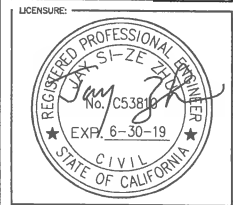


10550 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel. (858) 433-7173 | fax. (858) 505-2977

REV	DATE	DESCRIPTION
0	05/29/2018	100% CD's FOR REVIEW
A	01/30/2018	90% CD's FOR REVIEW

ISSUED DATE:
MAY 29, 2018

ISSUED FOR:
100% CD SET



PROJECT INFORMATION:
CAL01603
DE LUZ
2371 HELEN ROAD
FALLBROOK, CA 92028

DRAWN BY: _____ RED
CHECKED BY: _____ ROG

SHEET TITLE:
**ENLARGED SITE PLAN,
ANTENNA PLAN AND
ANTENNA SCHEDULE**

SHEET NUMBER:
A-3

EXHIBIT "D"

PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF LICENSEE'S FACILITIES



at&t

SITE NUMBER: CAL01603

SITE NAME: DE LUZ

2371 HELEN ROAD FALLBROOK, CA 92028

PAGE #:MRSDL013478, CASPR #: 3601A06KE3, FA #: 13802495



5730 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121



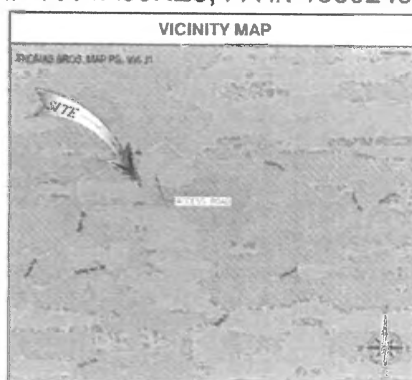
6806 RAMOSA DRIVE
CARLSBAD, CA 92011



10000 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
Tel: (619) 432-7772 Fax: (619) 432-2877

SITE INFORMATION	
PERMIT NUMBER	POS2017-MUP-17-010
PROPERTY OWNER ADDRESS	FALLBROOK PUBLIC UTILITY DISTRICT 190 E. MISSION RD. FALLBROOK, CA 92028
LANDLORD CONTACT	JACK BEBEE - DISTRICT MANAGER jeb@pubd.com
	JEFF MARCHAND - DISTRICT ENGINEER jef@pubd.com (760) 728-1125
APPLICANT ADDRESS:	AT&T 5730 PACIFIC CENTER BLVD. SAN DIEGO, CA 92121
ASSESSOR'S PARCEL NO.:	101-370-71 & 101-370-66
LATITUDE (NAD 83):	33.439987 N
LONGITUDE (NAD 83):	-117.208769 W
GROUND ELEVATION:	1106' AMSL
ZONING JURISDICTION:	COUNTY OF SAN DIEGO
ZONING CLASSIFICATION:	(U) (LIMITED AGRICULTURE)
OCCUPANCY GROUP:	U
TYPE OF CONSTRUCTION:	V-B
NEW LEASE AREA:	EQUIPMENT AREA: 225 SQ.FT. ANTENNA AREA (WATER TANK): 145 SQ.FT. TOTAL LEASE AREA: 370 SQ.FT.
APPROX. EARTHWORK CALCULATION:	876 CUBIC YARDS

PROJECT DESCRIPTION
AT&T WIRELESS PROPOSALS TO CONSTRUCT A WIRELESS COMMUNICATION FACILITY. THE SCOPE WILL CONSIST OF THE FOLLOWING:
<ul style="list-style-type: none"> INSTALL TELECOMMUNICATION EQUIPMENT INSIDE PRE-FAB SHELTER (W/C) INSTALL (12) NEW AT&T 4' PANEL ANTENNAS INSTALL (1) NEW AT&T 4' DUAL BICOINNING ANTENNA INSTALL (24) NEW AT&T PLUS BELOW PANEL ANTENNAS INSTALL (6) NEW AT&T WES FILTERS BELOW PANEL ANTENNAS INSTALL (6) NEW AT&T DC6 SURGE SUPPRESSOR BELOW BRUS INSTALL (1) NEW AT&T OPS ANTENNA MOUNTED ON W/C SHELTER INSTALL (5) NEW AT&T DC12 SURGE SUPPRESSOR MOUNTED ON W/C SHELTER INSTALL (1) NEW AT&T 15W DC STANDBY GEN. WITHIN A 6" BRICK CHAU WALL ENCLOSURE INSTALL NEW COAX CABLE TRAY ON EXISTING WATER TANK INSTALL NEW METER MOUNTED ON NEW WOODEN PLATFORM RUN UNDERGROUND CONDUITS FROM NEW METER TO EQUIPMENT SHELTER RUN FIBER/POWER/COAX. CONDUITS FROM EQUIPMENT SHELTER TO ANTENNA AREA



GENERAL NOTES
THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2018 CALIFORNIA BUILDING CODE. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SIGNIFICANT SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SERVICE IS NEW.

PROJECT TEAM	
PROJECT MANAGER MAMI TELECOM INC. 8808 RAMOSA DRIVE CARLSBAD, CA 92011 CONTACT: REBECCA RAPANO PHONE: (619) 522-9244 EMAIL: rrebecca.rapano@mami.com	ARCHITECT/ENGINEER CELLSIVUS ENGINEERING GROUP 10000 SCRIPPS RANCH BLVD., SUITE 224 SAN DIEGO, CA 92131 CONTACT: SEY FRANCISCO PHONE: (619) 522-1066 EMAIL: sey.francisco@cellsivus.net
AT&T ASSISTANT MAMI TELECOM INC. 8808 RAMOSA DRIVE CARLSBAD, CA 92011 CONTACT: NICOLE METERS PHONE: (619) 602-5600 EMAIL: nicole.meters@mami.com	ALIAS MAMI TELECOM INC. 8808 RAMOSA DRIVE CARLSBAD, CA 92011 CONTACT: MONDRA NORVILLE PHONE: (619) 508-5362 EMAIL: mondra.norville@mami.com
AT&T FIELD AT&T 5730 PACIFIC CENTER BLVD SAN DIEGO, CA 92121 CONTACT: RANI KANT JINDAL PHONE: (619) 622-4394 EMAIL: rani.kant@at&t.com	CELLSIVUS BLACK AND VEATCH 10008 WILLOW CREEK RD. #350 SAN DIEGO, CA 92131 CONTACT: P.J. PUTCH PHONE: (214) 965-7809 EMAIL: pjputch@bv.com

APPLICABLE CODES
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.
<ul style="list-style-type: none"> CALIFORNIA ADMINISTRATIVE CODE (HCL TITLE 24 & 25) 2018 CALIFORNIA BUILDING CODE CITY/COUNTY ORDINANCES BUILDING OFFICIALS & CODE ADMINISTRATORS (BOCCA) 2018 CALIFORNIA MECHANICAL CODE ANSI/ISA-227-E LIFE SAFETY CODE NFPA-101 2016 CALIFORNIA PLUMBING CODE 2016 CALIFORNIA ELECTRICAL CODE 2016 LOCAL BUILDING CODE

DRIVING DIRECTIONS
<p>INSTRUCTIONS FROM AT&T SAN DIEGO OFFICE:</p> <ol style="list-style-type: none"> START OUT GOING EAST ON BRIDGE ST TOWARD CARROLL WAY. TAKE THE 1ST RIGHT ONTO CARROLL WAY. TURN LEFT ONTO CARROLL RD. TURN LEFT ONTO WILLOW RD. MOVE ONTO I-15 N/LESSONDA FRY RD. TAKE EXIT 01 TOWARD MISSION RD/FALLBROOK. TURN LEFT ONTO HWY-512/OLD HIGHWAY 395. TURN RIGHT ONTO E MISSION RD/OLNEY HWY-513. CONTINUE TO FOLLOW E MISSION RD. TURN RIGHT ONTO N PICO AVE. IN PICO AVE BECOMES DE LUZ RD. TURN RIGHT ONTO DE LUZ RD. TURN RIGHT ONTO DAILY RD. TAKE THE 1ST RIGHT TO STAY ON DAILY RD. STAY STRAIGHT TO GO ONTO BEAC RD. TAKE THE 1ST RIGHT ONTO HELEN RD. THE SITE ACCESS IS ON THE RIGHT, THEN GO STRAIGHT ACCESS DRIVWAY UNTIL YOU REACH THE SITE.

DO NOT SCALE DRAWINGS

SUBCONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

811 Dig Alert
Know what's below.
Call 811 or 800-227-2600
digalert.org

ACCESSIBILITY NOTE
THE TELECOMMUNICATIONS EQUIPMENT SPACE SHOWN ON THESE PLANS IS NOT CUSTOMARILY OCCUPIED. WORK TO BE PERFORMED IN THIS FACILITY CANNOT REASONABLY BE PERFORMED BY PERSONS WITH A SEVERE HEARING, VISIBILITY, HEARING, OR HEARING. THEREFORE, PER 2013 CALIFORNIA BUILDING CODE SECTION 1109B.3.4, AND/OR 119-203.5 OF 2013 CALIFORNIA BUILDING CODE, EXCEPTION 1, THIS FACILITY SHALL BE EXEMPTED FROM ALL TITLE 24 ACCESS REQUIREMENTS.

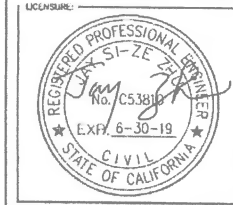
DRAWING INDEX	
SHEET NO.	SHEET TITLE
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T-2	NOTES AND SPECIFICATIONS
T-3	NOTES AND SPECIFICATIONS
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A-4	NORTHEAST/NORTHWEST ELEVATIONS
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APPROVALS		
PROPERTY OWNER:	PRINT NAME	SIGNATURE DATE
SAC REPRESENTATIVE:		
PRE CON MANAGER:		
DEVELOP MANAGER:		
ZONING MANAGER:		
A/E MANAGER:		
SE ENGINEER:		
OPERATIONS:		
UTILITIES:		

ISSUED DATE	REV	DATE	DESCRIPTION
	0	05/29/2018	100% CD'S FOR REVIEW
	A	01/30/2018	BOX CO'S FOR REVIEW

ISSUED DATE: **MAY 29, 2018**

ISSUED FOR: **100% CD SET**



PROJECT INFORMATION:
CAL01603
DE LUZ
 2371 HELEN ROAD
 FALLBROOK, CA 92028

DRAWN BY:	HEB
CHECKED BY:	ROG
SHEET TITLE:	TITLE SHEET
SHEET NUMBER:	T-1

STATEMENT OF SPECIAL INSPECTIONS PER THE 2018 CBC

- THE OWNER OR REGISTERED DESIGN PROFESSIONAL OF RECORD WILL EMPLOY THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION FOR THE ITEMS IN THE SPECIAL INSPECTION TABLE BELOW.
- THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCY TO THE SAGES. THE SPECIAL INSPECTOR SHALL BE A REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE, FOR INSPECTION OF THE STRUCTURAL TYPE OF CONSTRUCTION OR OTHERWISE REQUIRING SPECIAL INSPECTION.
- DUTIES AND RESPONSIBILITIES OF SPECIAL INSPECTOR:**
 - THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE INSPECTOR MAY NOT ALTER, MODIFY, ENLARGE OR WAIVE ANY OF THE REQUIREMENTS OF THE DOCUMENTS.
 - THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE PROFESSIONAL OF RECORD, AND THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF UNCORRECTED, SUBMIT A COMPLETE LIST OF ALL OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE OWNER, THE BUILDING OFFICIAL, AND THE PROFESSIONAL OF RECORD UNTIL ALL CORRECTIONS HAVE BEEN COMPLETED.
 - THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.
- WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OF SPECIFIED QUALITY ASSURANCE TESTING, DUPLICATE INSPECTIONS SHALL NOT BE REQUIRED.
- OBSERVATIONS OR SITE VISITS PERFORMED BY THE ENGINEER OR ARCHITECT DUE NOT CONSTITUTE SPECIAL INSPECTIONS.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE NOTIFICATION OF SCHEDULE OF WORK REQUIRING INSPECTION OR TESTING TO THE SPECIAL INSPECTOR TO ALLOW COORDINATION.
- THE MATERIALS, SYSTEMS, COMPONENTS AND WORK REQUIRED TO HAVE SPECIAL INSPECTION OR TESTING ARE DETAILED ON THESE DRAWINGS ALONG WITH THE TYPE AND EXTENT OF EACH INSPECTION AND TEST AND WHETHER IT IS CONTINUOUS OR PERIODIC IN NATURE. IF IT IS NOT INDICATED OTHERWISE, INSPECTION SHALL BE CONTINUOUS.
- EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND-OR SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SUSGEM SYSTEM OR WIND-OR SEISMIC-FORCE-RESISTING COMBINED WALL SYSTEM, SHALL BE RESPONSIBLE TO THE OWNER AND THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF WORK ON THE SYSTEM THAT THE SYSTEM SHALL BE CONFORMANT TO THE FOLLOWING:

ADDITIONAL SEISMIC RESISTANCE CASES:

SEISMIC DESIGN CATEGORY REQUIRED IN	THE FOLLOWING IS A SUMMARY OF THE SEISMIC SYSTEMS, SEISMIC COMPONENTS AND SEISMIC-FORCE-RESISTING SYSTEMS
SEISMIC FORCE RESISTING SYSTEMS	
C, D, E, F	A. ALL MOMENT FRAMES, BRACED FRAMES, CAST-IN-PLACE COLUMN, CAST-IN-PLACE BEAMS, AND THEIR FOUNDATIONS, AND BRACED, CHORDS, FLOOR AND ROOF DIAPHRAGMS.
C, D, E, F	B. ALL BRACED, CHORDS, FLOOR AND ROOF DIAPHRAGMS
D, E, F	C. ALL FREE STANDING MASONRY WALLS
ADDITIONAL SYSTEMS AND COMPONENTS	
C, D, E, F	A. ANCHORAGE OF ELECTRICAL EQUIPMENT USED FOR EMERGENCY OR STANDBY POWER SYSTEMS INCLUDING TELECOM CABINETS.
D, E, F	B. EXTERIOR WALL PANELS AND THEIR ANCHORAGE
D, E, F	C. SUSPENDED CEILING SYSTEMS AND THEIR ANCHORAGE

SPECIAL INSPECTION	FREQUENCY	REFERENCE STANDARD
MAINTENANCE		
1. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: <ol style="list-style-type: none"> SITE PREPARED MOISTURE PROOFINGS CONSTRUCTION OF MORTAR JOINTS LOCATION OF REINFORCEMENT AND CONNECTORS 	PERIODIC	ART. 2.6A ART. 3.38
2. THE INSPECTION PROGRAM SHALL VERIFY: <ol style="list-style-type: none"> SIZE AND LOCATION OF STRUCTURAL ELEMENTS TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION 	PERIODIC	SEC. 115.4.2.1.2
3. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT	PERIODIC	SEC. 112
4. WELDING OF REINFORCING BARS	CONTINUOUS	SEC. 8.5.7.4 SEC. 6.5.7.9
5. PROTECTION OF MASONRY DURING COOLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F)	PERIODIC	ART. 1.8
6. PROTECT TO GUARANTEE THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: <ol style="list-style-type: none"> GROUT SPACE IS CLEAN PLACEMENT OF REINFORCEMENT AND CONNECTORS PROPORTIONS OF SITE-PREPARED GROUT CONSTRUCTION OF MORTAR JOINTS 	PERIODIC	ART. 3.2D ART. 3.4 ART. 2.6B ART. 3.38
7. CONSTRUCTION PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CONSTRUCTION DOCUMENT PROVISIONS.	CONTINUOUS	ART. 3.5
8. PREPARATION OF ANY REQUIRED GROUT SPACERS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	CONTINUOUS	ART. 1.4
9. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND APPROVED SUBMITTALS SHALL BE VERIFIED.	PERIODIC	ART. 1.5
SPECIAL INSPECTION	FREQUENCY	REFERENCE STANDARD
REINFORCING BARS (APPLICABLE TO STRUCTURAL CONCRETE OVER 1" = 2.00 IN)		
1. INSPECT BARS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED.	CONTINUOUS	
2. INSPECT EROSION ANCHORS AND EXPANSION ANCHORS INSTALLED AT HARBORED CONCRETE.	CONTINUOUS	PRODUCT ICS-15 REPORT

SPECIAL INSPECTION	FREQUENCY	REFERENCE STANDARD
SPECIAL INSPECTION		
STEEL FABRICATION		
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS:	PERIODIC	APPLICABLE ASTM MATERIAL SPECIFICATIONS SECTION A34, AND ALSO SECTION A3.3
2. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS:		
a. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		
3. INSPECTION OF HIGH-STRENGTH BOLTING:	PERIODIC	ASTM 190 SECTION M2.5
a. BEARING TYPE CONNECTIONS		
b. SLP-CRITICAL CONNECTIONS	CONTINUOUS	
4. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS:		ASTM A 8 OR ASTM A 568
a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS:		
b. MANUFACTURER'S CERTIFIED MILL TEST REPORTS REQUIRED.		
5. MATERIAL VERIFICATION OF WELD FILL MATERIALS:	ASAP, ALSO SECTION A3.8, AND SECTION A3.5	
a. IDENTIFICATION MARKINGS TO CONFORM TO AISI SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS:		
b. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.		
6. INSPECTION OF WELDING:		
a. STRUCTURAL STEEL:		
1) COMPLETE AND PENETRATION GROOVE WELDS	CONTINUOUS	AWSD D11
2) MULTI-PASS BUTT WELDS	CONTINUOUS	
3) SINGLE-PASS BUTT WELDS GREATER THAN 5/16" (7.6mm)	CONTINUOUS	
4) SINGLE-PASS BUTT WELDS LESS THAN 5/16" (7.6mm)	PERIODIC	AWSD D1.3
5) FLOOR AND DECK WELDS	PERIODIC	
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:	PERIODIC	
a. DETAILS SUCH AS BRACING AND STIFFENING		
b. MEMBER LOCATIONS		
c. APPLICATION OF JOINT DETAILS AT EACH CONNECTION		
INSPECTION OF FABRICATIONS	PERIODIC	
1. APPLICABLE ELEMENT (FABRICATOR CERTIFICATION REQUIREMENTS)		
a. STRUCTURAL STEEL (SEE CERTIFIED FOR CONVENTIONAL STEEL BUILDING)		
b. STEEL JOINTS / JOIST ORDERS (SEE MEMBER)		
c. SHEET ROOF DECK (SEE MEMBER)		
d. PRECAST CONCRETE WALL PANELS (PCC GROUP C MANUFACTURER WITH C3 CERTIFICATION)		
e. LOAD BEARING CONCRETE MASONRY (NONA MEMBER)		
2. WHEN SPECIAL INSPECTIONS ARE REQUIRED BY BUILDING OFFICIAL		
a) FABRICATION AND IMPLEMENTATION PROCEDURES: THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR PROVIDES DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION, CONTROL OF THE WORKMANSHIP, AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. THE SPECIAL INSPECTOR SHALL REVIEW THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE CODE REQUIREMENTS FOR THE FABRICATOR'S SCOPE OF WORK.		
b) UPON COMPLETION OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF THE COMPLIANCE TO THE BUILDING OFFICIAL, STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.		

SPECIAL INSPECTION	FREQUENCY	REFERENCE STANDARD
SPECIAL INSPECTION		
UPPER LEVELS		
1. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH PIER.	CONTINUOUS	GEOTECHNICAL ENGINEERING REPORT
2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM PIER DIMENSIONS (IF APPLICABLE) AND ADEQUATE END BEARING STRAIN CAPACITY.	PERIODIC	
3. FOR CONCRETE PIERS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH SECTION 1104.4.	SEE SPECIAL INSPECTION NOTES FOR CONCRETE ALSO	

SPECIAL INSPECTION	FREQUENCY	REFERENCE STANDARD
SPECIAL INSPECTION		
SITE PREPARATION/VERIFY THAT THE SITE SUBROPOSAL SOILS ARE PROPERLY PREPARED	CONTINUOUS	GEOTECHNICAL ENGINEERING REPORT
1. FILL PLACEMENT 12" THICK OR GREATER - VERIFY MATERIAL BEING USED AND LEFT THICKNESS	CONTINUOUS	
2. EVALUATION OF IN-PLACE DENSITY OF COMPACTED FILL 12" THICK OR GREATER	PERIODIC	
3. GRAD-GRADE IMPROVEMENTS INVOLVING SOIL WELDS, COMPACTOR OPERATION, OR PLACEMENT OF STONE COLUMNS	CONTINUOUS	

SPECIAL INSPECTION CONTACT INFORMATION:

GEOTECHNICAL INSPECTIONS SHALL BE PERFORMED BY THE GEOTECHNICAL ENGINEER. ALL OTHER INSPECTIONS SHALL BE PERFORMED BY APPROVED SPECIAL INSPECTION VENDOR IN THE COUNTY AND/OR APPROVED BY THE AGENCY AUTHORITY.

STRUCTURAL OBSERVATION:	REQUIRED IF CHECKED	REMARKS
1. STRUCTURAL OBSERVATIONS BY AN INDEPENDENT ENGINEER OR THE ENGINEER OF RECORD SHALL BE MADE IN ACCORDANCE WITH SECTION 1104 OF THE 2013 CALIFORNIA BUILDING OFFICIALS CODE OF CONSTRUCTION TO VERIFY THE CONSTRUCTION OF THE PROJECT. STRUCTURAL OBSERVATIONS IS THE VISUAL OBSERVATION OF ELEMENTS AND CONNECTIONS OF THE STRUCTURAL SYSTEM AT CONSTRUCTION STAGES AND THE COMPLETED STRUCTURE FOR CLEARANCE TO THE APPROVED PLANS AND SPECIFICATIONS FOR THE INSPECTORS REQUIRED OF THE BUILDING INSPECTOR OR THE DEPUTY INSPECTOR.		
2. THE OWNER SHALL EMPLOY THE CIVIL OR STRUCTURAL ENGINEER OR THE ARCHITECT OF RECORD OR THEIR DESIGNATED AGENT TO PERFORM THE STRUCTURAL OBSERVATION.		
3. EVIDENCE OF EMPLOYMENT BY THE OWNER SHALL BE PROVIDED TO THE BUILDING INSPECTOR BEFORE THE FIRST SITE VISIT.		
4. WHEN A PRECONSTRUCTION MEETING IS REQUIRED, IT SHALL BE ATTENDED BY THE GENERAL CONTRACTOR, APPROPRIATE SUBCONTRACTORS, AND DEPUTY INSPECTORS. THE MAJOR STRUCTURAL ELEMENTS AND CONNECTIONS WHICH REQUIRE STRUCTURAL OBSERVATION WILL BE IDENTIFIED. A RECORD OF THE MEETING SHALL BE INCLUDED IN THE FIRST OBSERVATION REPORT.		
5. REQUIRED OBSERVATIONS ARE TO OCCUR AT THE FOLLOWING STAGES OF CONSTRUCTION AS A MINIMUM, FOR EACH BUILDING OR STRUCTURE AS APPLICABLE, NOTIFY THE ENGINEER 72 HOURS PRIOR TO EACH OBSERVATION.		
A. PRECONSTRUCTION MEETING SHALL BE ATTENDED BY THE STRUCTURAL OBSERVER OF RECORD. B. PRIOR TO PLACEMENT OF CONCRETE FOR THE FIRST EXPANSION JOINTS AT WALLS, PROVIDE CONTROL JOINTS IN RETAINING WALLS AT APPROXIMATELY EQUAL INTERVALS, NOT TO EXCEED 20 FEET NOR 3 TIMES THE WALL HEIGHT. PROVIDE SEAL RETAINING FACE OF WALL AND FOOTING WITH 2 COURSES OF REINFORCED ASPHALTIC MASTIC. PROVIDE CONTINUOUS INSPECTION. C. PRIOR TO PLACEMENT OF CONCRETE IN WALL FORMS. D. UPON COMPLETION OF WELDING AT STEEL MOMENT FRAMES. E. UPON COMPLETED DIRECTION OF ALL STRUCTURAL STEEL. F. PRIOR TO PLACEMENT OF GROUT IN FIRST JOINT. G. PRIOR TO GROUTING THE TOP 6" OF MASONRY WALLS AT FLOOR AND ROOF LINE (GROUT REINFORCING). H. AFTER MAINTAIN ALL PLYWOOD SHEAR WALLS AND ALL HOLDING DRAGS, STRIPS ARE IN PLACE, AND PRIOR TO COILING ANY OF THE SHEAR WALLS. I. AFTER MAINTAIN OF FLOOR PLYWOOD DIAPHRAGMS(S) PRIOR TO COILING. J. AFTER MAINTAIN OF ROOF PLYWOOD DIAPHRAGMS(S) PRIOR TO COILING. K. PRIOR TO COILING OR PLACEMENT OF CONCRETE FILL OVER METAL DECK ROOF'S OR FLOORS. L. FINAL WALK THROUGH UPON COMPLETION OF ALL STRUCTURAL ASPECTS OF THE PROJECT PRIOR TO ARCHITECTURAL FINISHES.		
M. NO HO STRUCTURAL OBSERVATION REQUIRED		

A REPORT PREPARED ON DEPARTMENT FORMS OR FORMS PREPARED BY THE ENGINEER OR ARCHITECT OF RECORD SHALL BE SUBMITTED TO THE BUILDING INSPECTOR. THE FORMS SHALL BE NET SIGNED AND SEALED BY THE RESPONSIBLE STRUCTURAL OBSERVER. ONE SIGNED COPY OF THE REPORT SHALL BE PROVIDED TO THE OWNER, CONTRACTOR, AND DEPUTY INSPECTOR, AS REQUESTED.

7. A FINAL INSPECTION REPORT MUST BE SUBMITTED WHICH SHOWS THAT ALL OBSERVED DEFECTS HAVE BEEN CORRECTED AND THE STRUCTURAL SYSTEM GENERALLY CONFORMS TO THE APPROVED PLANS AND SPECIFICATIONS.

8. IF THE OWNER ELECTIONS TO CHANGE THE STRUCTURAL OBSERVER OF RECORD, THE OWNER SHALL:

- NOTIFY BUILDING INSPECTOR IN WRITING BEFORE THE NEXT INSPECTION
- CALL AN ADDITIONAL PRECONSTRUCTION MEETING, AND FURNISH THE REPLACEMENT STRUCTURAL OBSERVER WITH A COPY OF PREVIOUS OBSERVER'S REPORTS.
- THE NEW OBSERVER SHALL BE RESPONSIBLE FOR APPROVAL OF THE CONNECTION OF ALL THE ORIGINAL OBSERVED NOTED DEFECTS.

9. THE ENGINEER OR ARCHITECT OF RECORD SHALL DEVELOP ALL CHANGES TO THE STRUCTURAL SYSTEMS AT THE CONTRACTOR'S EXPENSE.

10. STRUCTURAL OBSERVATION SHALL BE PERFORMED BY CELLSIUS ENGINEERING GROUP.

- MASONRY**
- ALL MASONRY SHALL HAVE NOMINAL COMPRESSIVE STRENGTH f_m OF 1,500 PSI.
 - MASONRY UNITS SHALL BE NORMAL WEIGHT BLOCK CONFORMING TO ASTM C90, GRADE M, TYPE 1 AND SHALL HAVE A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 1,900 PSI.
 - MORTAR SHALL BE MACHINE MIXED CONCRETE TO ASTM C270, TYPE S. MORTAR SHALL BE PRELIMINARILY PREPARED AND UNIFORMLY MIXED AND SHALL BE TO BUILDING CODE SECTION 2103.8.
 - GROUT SHALL CONFORM TO ASTM C476 AND BE PROPORTIONED PER BUILDING CODE TABLE 2103.7 MINIMUM GROUT COMPRESSIVE STRENGTH SHALL EQUAL OR EXCEED THE GREATER OF 2,000 PSI OR THE REQUIRED f_m .
 - REINFORCING BARS SHALL CONFORM TO ASTM A606 OR ASTM A615, GRADE 60 U.S.A.
 - CONTINUOUS WIRE REINFORCING (JOINT REINFORCING) SHALL BE GALVANIZED STEEL OR ALUMINUM STEEL FORMED-BAR AND SHALL CONFORM WITH ASTM A63.
 - ALL MASONRY BLOCKS SHALL CONFORM WITH EACH OTHER IN COLOR, TEXTURE AND SIZE WHERE APPLICABLE. COLOR, TYPE AND TEXTURE SHALL BE AS INDICATED ON THE DRAWINGS. PROVIDE ACCESSORY BLOCKS AS NOTED AND REQUIRED. WHERE APPLICABLE, BLOCKS SHALL BE SMOOTH.
 - COURSEING SHALL BE COMMON RUNNING BOND (UNLESS NOTED OTHERWISE) WITH 3/4" GROUT JOINTS. JOINTS SHALL BE TOOLER CLEAN AND BE UNIFORM IN SIZE. USE CARE TO PREVENT MORTAR AND GROUT SPLASHES ON THE FACE OF THE MASONRY. CLEAN SUCH SPLASHES IMMEDIATELY. REPAIR ANY DAMAGE OR INTERFERENCES BETWEEN BLOCKS AND REINFORCING STAIRS AT THE CONTACT POINTS OF WORK.
 - INTERSECTING WALLS BY OVERLAPPING UNITS IN ALTERNATE COURSES. ROUGHEN AND CLEAN CONCRETE BEARING SURFACES FOR THE PLACEMENT OF THE FIRST COURSE. OVERLAPPING JOINTS SHALL BE FILLED SOLID AND SHOWED LIGHTLY TO PROVIDE BOND TO BOTH BLOBS.
 - AT VERTICAL REINFORCING LOCATIONS, PROVIDE DETAILS FROM FOOTING TO MATCH SIZE AND SPACING OF VERTICAL WALL REINFORCING. DETAILS SHALL BE EMBEDDED INTO THE FOOTING A MINIMUM OF 9" AND SHALL HAVE A 90 DEGREE CHISEL. DEEPEN FOOTING WHERE REQUIRED FOR DOWEL. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL BLOB, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN 12 VERTICAL.
 - SPACED BARS (INCLUDING DOWELS) SHALL BE LAPPED 8 BAR DIAMETERS MINIMUM OR 24" MINIMUM ENDS OR ONE 24" SPACED BAR SHALL BE USED.
 - VERTICAL REINFORCING BARS SHALL HAVE A MINIMUM CLEARANCE OF 3/4" FROM THE MASONRY AND NOT LESS THAN ONE DIAMETER BETWEEN BARS.

MASONRY (CONT'D)

- BOND BEAMS WITH A HORIZONTAL BAR OR BARS SHALL BE PROVIDED AT 48 INCHES ON CENTER AND AT ALL FLOOR AND ROOF LINES AND AT THE TOP OF THE WALL. PROVIDE A BOND BEAM WITH A HORIZONTAL BAR OR BARS OVER ALL OPENINGS AND CLIPPING THESE BARS 2'-0" PAST THE OPENING AT EACH SIDE. PROVIDE A BOND BEAM VERTICALLY FOR THE FULL HEIGHT OF THE WALL AT EACH SIDE OF OPENINGS. WALL ENDS AND INTERSECTIONS SHALL BE PROVIDED CORNER BARS TO MATCH THE HORIZONTAL WALL REINFORCING AT WALL INTERSECTIONS.
- REINFORCING STEEL SHALL BE SECURED IN PLACE BEFORE GROUTING BLOBS. VERTICAL BARS SHALL BE HELD IN POSITION AT THE TOP, BOTTOM AND AT INTERMEDIATE POINTS EXCEEDING 200 DIAMETERS OF THE REINFORCING BAR, NOT TO EXCEED 18".
- SEE DRAWINGS FOR LOCATION OF VERTICAL CONTROL JOINTS. HORIZONTAL BOND BEAMS AND LABEL REINFORCING SHALL BE CONTINUOUS ACROSS VERTICAL CONTROL JOINTS.
- ALL CELLS SHALL BE GROUTED SOLID. GROUTING OF MASONRY BLOBS AND UNITS SHALL BE DONE IN ONE CONTINUOUS OPERATION. GROUTING SHALL BE STOPPED 1-1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A JOINT AT THE JOINT. FULL CELLS WITH GROUT WITH MAXIMUM 4'-0" LIFTS. VERTICAL CELLS SHALL HAVE A VERTICAL ADJUSTMENT TO MAINTAIN A CONTINUOUS UNRESTRICTED CELL AREA NOT LESS THAN 3/4" AND ALL ISOLATED BLOBS EMBEDDED IN MASONRY SHALL BE GROUTED SOLID IN PLACE WITH NOT LESS THAN 2" OF GROUT SURROUNDING THE BOLT.
- PROVIDE BOND BEAM LABLETS AND BACK SPLIT ANCHORS ABOVE ALL WALL OPENINGS PER DETAILS. SEE THE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL OPENINGS.
- THE MASONRY CONTRACTOR SHALL PROVIDE ALL REQUIRED TEMPORARY WALL BRACING DURING CONSTRUCTION.
- ALL RETAINING WALLS SHALL HAVE AT LEAST 12" OF FREE-DRAINING GRANULAR BACKFILL. FULL HEIGHT OF WALL. PROVIDE CONTROL JOINTS IN RETAINING WALLS AT APPROXIMATELY EQUAL INTERVALS, NOT TO EXCEED 20 FEET NOR 3 TIMES THE WALL HEIGHT. PROVIDE SEAL RETAINING FACE OF WALL AND FOOTING WITH 2 COURSES OF REINFORCED ASPHALTIC MASTIC. PROVIDE CONTINUOUS INSPECTION.

STRUCTURAL STEEL

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST REVISED EDITION OF THE AISI MANUAL OF STEEL CONSTRUCTION, WHICH PROVIDES SPECIFICATIONS FOR STRUCTURAL STEEL, BUILDINGS, CODE OF STANDARD PRACTICE AND AISI STRUCTURAL WELDING CODE, RELEVANT AND SHOWN SPECIFICATIONS.

2. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE REVIEWED BY THE ENGINEER/ ARCHITECT PRIOR TO FABRICATION.

3. GROUTING OF COLUMN BASE PLATES, BASE PLATES SHALL BE GROUTED OR GROUTED WITH NON-SHrink, HIGH-TENSILE GROUT. ALL SURFACES SHALL BE PROPERLY CLEANED OF FOREIGN MATERIAL PRIOR TO GROUTING.

4. ALL EXPOSED WELDS SHALL BE FILLED AND GROUT SMOOTH WHERE METAL COULD COME IN CONTACT WITH THE PUBLIC.

5. NO HOLES OTHER THAN THOSE SPECIFICALLY DETAILED SHALL BE ALLOWED THROUGH STRUCTURAL STEEL MEMBERS. BOLT HOLES SHALL CONFORM TO AISC SPECIFICATION, AND SHALL BE STANDARD HOLES UNLESS OTHERWISE NOTED. NO CUTTING OR BURNING OF STRUCTURAL STEEL WILL BE PERMITTED WITHOUT PRIOR CONSENT OF THE ENGINEER. HOLES IN STEEL SHALL BE DRILLED OR PUNCHED. ALL SLOTTED HOLES SHALL BE PROVIDED WITH SMOOTH EDGES. BURNING OF HOLES AND TORN-UP CUTTING AT THE SITE IS NOT PERMITTED.

6. WELDING: CONFORM TO AWS D11.1. WELDERS SHALL BE CERTIFIED.

7. BOLLING: ASTM A307 BOLTS SHALL BE INSTALLED "TIGHT RIGHT" PER AISC SECTION H9.5C. ALL ASTM A307 BOLTS SHALL CONFORM TO AISC SECTION H9.5C.

8. FABRICATION: CONFORM TO AISC SPECIFICATION SEC. 13.2 "FABRICATION" AND AISC CODE SEC. 2 "FABRICATION AND DELIVERY" PERFORM WORK ON PREMISES OF A FABRICATOR APPROVED BY THE BUILDING OFFICIAL.

9. GALVANIZING: ALL EXPOSED STEEL OUTSIDE THE BUILDING ENVELOPE SHALL BE HOT-DIPPED GALVANIZED. APPLY FIELD TOUCH-UPS PER ASTM A153.

10. FINISHING CONNECTIONS SUCH AS CONNECTIONS TO EXISTING CONCRETE, HOLD-DOWNS, POST BARS, FRAMING CAPS, HANGER AND OTHER MISCELLANEOUS STRUCTURAL METALS SHALL BE AS MANUFACTURED BY SIMPSON STRONG-TIE CO. OR APPROVED EQUAL.

11. ALL STRUCTURAL STEEL EXPOSED TO EARTH SHALL HAVE 3" CONCRETE COVER.

12. MATERIALS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

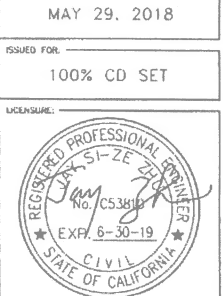
MASONRY BLOBS/RODS:
 ASTM A1554, GRADE 36
 BARS & PLATES: ASTM A36
 BOLTS IN WOOD: ASTM A307
 BOLTS - HIGH STRENGTH: ASTM A325 OR A327M
 C-, N-, AND ANGLE SHAPES: ASTM A36
 DEFORMED WELDED WIRE FABRIC: ENH-OD OR EQUIVALENT
 OTHER STRUCTURAL SHAPES: ASTM A36
 REINFORCING BARS (WELDED): ASTM A606 OR ASTM A615, GRADE 60, DEFORMED BARS
 REINFORCING BARS (REGULAR): ASTM A615, GRADE 60, DEFORMED BARS
 SMOOTH WELDED WIRE FABRIC: ASTM A18
 STEEL GRATING: ANS/MANNA MFG 531-00
 STEEL PIPE: ASTM A33, GRADE B
 THE WIRE: 16.5 GADE OR HEAVIER, BLACK ANNEALED
 TUBE STEEL & PIPE COLUMNS: ASTM A500, GRADE B
 W - SHAPES: ASTM A992, GRADE 50
 WELDING ELECTRODES: E60XX FOR STRUCTURAL STEEL, E60XX FOR WELDED WIRE FABRIC, E60XX FOR LIGHT GAUGE AND METAL DECK

SPECIAL INSPECTION	FREQUENCY	REFERENCE STANDARD
SPECIAL INSPECTION		
SPOT CHECKED STEEL EXAMS:		
1. DURING WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC-FORCE-RESISTING SYSTEM	PERIODIC	
2. SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITH SEISMIC-FORCE-RESISTING SYSTEM, INCLUDING WELD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRIPS, BRACES, SHEAR PANELS & HOLD-DOWNS.	PERIODIC	IBC 1705.10.2
SPECIAL INSPECTION		
WELDS:		
1. DURING FIELD WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC-FORCE-RESISTING SYSTEM	CONTINUOUS	IBC 1705.10.1
2. WELDING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITH SEISMIC-FORCE-RESISTING SYSTEM, INCLUDING WELD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STRIPS, BRACES, SHEAR PANELS & HOLD-DOWNS.	PERIODIC	

NOTE: SPECIAL INSPECTION IS NOT REQUIRED FOR WOOD SHEAR WALLS SHEAR PANELS & DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING & OTHER FASTENING TO OTHER COMPONENTS OF THE SEISMIC-FORCE-RESISTING SYSTEM, WHERE THE FASTENER SPACING OF THE SEALING IS LEAST THAN 4 SPACES ON CENTER.



REV	DATE	DESCRIPTION
0	05/29/2018	100% CD SET FOR REVIEW
A	01/30/2018	80% CD SET FOR REVIEW



PROJECT INFORMATION: CALO1603

DE LUZ

2371 HELEN ROAD
FALLBROOK, CA 92028

Drawn By: RED
 Checked By: RIG
 SHEET TITLE: NOTES AND SPECIFICATIONS
 SHEET NUMBER: T-3



2738 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92131



8806 VILLAGOSA DRIVE
CARLSBAD, CA 92011



10650 SCORPUS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
(619) 453-7123 Fax: (619) 505-2877

APN
101-370-66
SITE ADDRESS
WATER TANK NEXT TO 2371 HELEN ROAD, FALLBROOK 92028
RECORD OWNER
FALLBROOK PUBLIC UTILITY DISTRICT, SUCCESSOR IN INTEREST AND WHO ACQUIRED TITLE
AS DELUX HEIGHTS MUNICIPAL WATER DISTRICT
TITLE REPORT
TITLE REPORT WAS PREPARED BY COMMONWEALTH LAND TITLE INSURANCE COMPANY
WITH ORDER NO. 09203780-920-CMM-CMM DATED MAY 16, 2017.
BASIS OF BEARING
THE CENTERLINE OF HELEN ROAD WAS USED AS BASIS OF BEARING FOR THIS
SURVEY.
BENCH MARK
SITE ELEVATIONS ARE ESTABLISHED FROM THE GPS DERIVED ORTHOMETRIC HEIGHTS
BY APPLICATION OF NGS "CEOD 13A" MODIFIED OPERATIONS TO ELLIPSOID HEIGHTS
DETERMINED BY OBSERVATIONS OF THE "LEICA SHARPTREK" REAL TIME NETWORK. ALL
ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD83.
FLOOD ZONE
SITE IS LOCATED IN FLOOD ZONE "X" AS PER F.T.R.M. MAP NO. 08073001500
EFFECTIVE DATE MAY 16, 2012

VICINITY MAP



LEGAL DESCRIPTION

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:
THOSE PORTIONS OF THE NORTHEAST QUARTER OF SECTION 33, TOWNSHIP 8 SOUTH, RANGE 4 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO OFFICIAL PLAT THEREOF, DESCRIBED AS FOLLOWS:

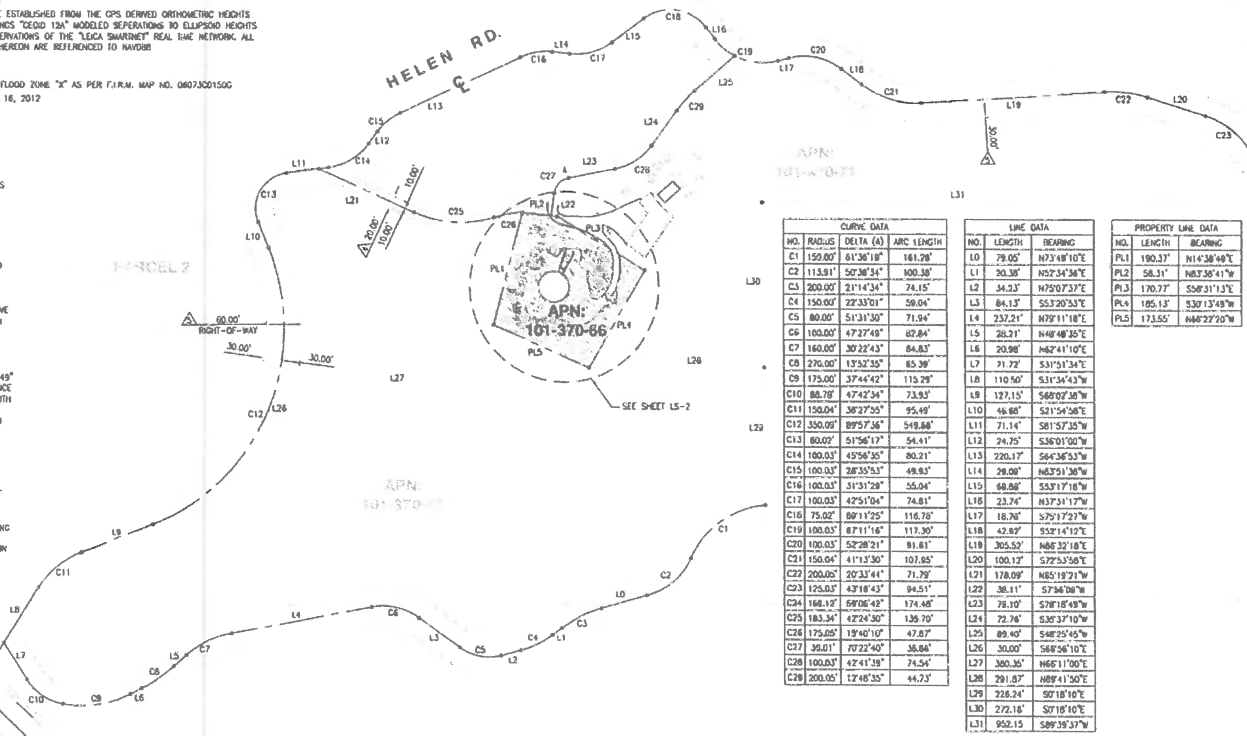
PARCEL A:
COMMENCING AT THE MOST NORTHERLY CORNER OF PARCEL 1 OF PARCEL MAP NO. 2903, RECORDED IN THE OFFICE OF THE RECORDER OF SAID SAN DIEGO COUNTY, AUGUST 1, 1974; THENCE ALONG THE BOUNDARY OF SAID PARCEL 1, SOUTH 01°10' EAST, 422.58 FEET TO A POINT ON THE CENTER LINE OF THAT 60 FOOT STRIP THROUGH SAID PARCEL 1, SHOWN AND DELINEATED AS "EXISTING PRIVATE 60' ROAD AND UTILITY EASEMENT PER DOCUMENT NO. 108174, JUNE 22, 1970," SAID POINT BEING ON A 100.03 FOOT RADIUS CURVE CONCAVE NORTHEAST, THE RADIAL LINE TO SAID POINT BEARS SOUTH 27°56'01" WEST; THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 4°42'55", A DISTANCE OF 8.23 FEET TO POINT "A" OF THIS DESCRIPTION; THENCE SOUTH 48°25'45" WEST, 85.54 FEET TO THE BEGINNING OF A TANGENT 200.05 FOOT RADIUS CURVE CONCAVE SOUTHWESTERLY, THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 12°48'25", A DISTANCE OF 44.73 FEET; THENCE TANGENT TO SAID CURVE, SOUTH 35°37'10" WEST, 22.28 FEET TO THE BEGINNING OF A TANGENT 100.03 FOOT RADIUS CURVE CONCAVE NORTHEASTERLY; THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 47°41'30", A DISTANCE OF 74.54 FEET; THENCE TANGENT TO SAID CURVE, SOUTH 78°18'49" WEST, 79.10 FEET TO THE BEGINNING OF A TANGENT 30.01 FOOT RADIUS CURVE CONCAVE SOUTHWESTERLY; THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 70°22'40", A DISTANCE OF 36.38 FEET; THENCE SOUTH 7°50'09" WEST, 38.11 FEET TO THE TRUE POINT OF BEGINNING; THENCE NORTH 83°38'41" WEST, 22.89 FEET TO THE BEGINNING OF A TANGENT 175.00 FOOT RADIUS CURVE CONCAVE SOUTHWESTERLY; THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 8°55'07", A DISTANCE OF 25.71 FEET TO POINT "B" OF THIS DESCRIPTION; THENCE SOUTH 14°38'48" WEST, 190.37 FEET; THENCE SOUTH 66°27'20" EAST, 173.55 FEET; THENCE NORTH 30°13'48" EAST, 185.13 FEET; THENCE NORTH 58°51'37" WEST, 170.77 FEET TO A LINE WHICH BEARS SOUTH 83°38'41" EAST, FROM THE TRUE POINT OF BEGINNING; THENCE NORTH 83°38'41" WEST, 10.00 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL B:
AN EASEMENT AND RIGHT-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCES THEREON, OVER, UNDER, ALONG AND ACROSS A STRIP OF LAND 20 FEET IN WIDTH, THE CENTER LINE OF SAID STRIP BEING DESCRIBED AS FOLLOWS:
BEGINNING AT POINT "B" DESCRIBED IN PARCEL A ABOVE, SAID POINT BEING ON A 175.00 FOOT RADIUS CURVE CONCAVE SOUTHWESTERLY, THE RADIAL LINE TO SAID POINT BEARS NORTH 7°03'41" WEST; THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 15°10'10", A DISTANCE OF 47.87 FEET TO THE BEGINNING OF A 183.34 FOOT RADIUS CURVE CONCAVE NORTHERLY; THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 42°24'30", A DISTANCE OF 135.70 FEET; THENCE TANGENT TO SAID CURVE, NORTH 85°19'21" WEST, 178.29 FEET TO AN INTERSECTION WITH THE CENTER LINE OF THAT 60 FOOT EASEMENT MENTIONED IN PARCEL A ABOVE.
EXCEPTING THEREFROM THAT PORTION LYING WITHIN SAID 60 FOOT EASEMENT.

PARCEL C:
AN EASEMENT AND RIGHT-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCES THEREON, OVER, UNDER, ALONG AND ACROSS A STRIP OF LAND 20 FEET IN WIDTH, THE CENTER LINE OF SAID STRIP BEING DESCRIBED AS FOLLOWS:
BEGINNING AT POINT "B" DESCRIBED IN PARCEL A ABOVE, SAID POINT BEING ON A 175.00 FOOT RADIUS CURVE CONCAVE SOUTHWESTERLY, THE RADIAL LINE TO SAID POINT BEARS NORTH 7°03'41" WEST; THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 15°10'10", A DISTANCE OF 47.87 FEET TO THE BEGINNING OF A 183.34 FOOT RADIUS CURVE CONCAVE NORTHERLY; THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 42°24'30", A DISTANCE OF 135.70 FEET; THENCE TANGENT TO SAID CURVE, NORTH 85°19'21" WEST, 178.29 FEET TO AN INTERSECTION WITH THE CENTER LINE OF THAT 60 FOOT EASEMENT MENTIONED IN PARCEL A ABOVE.
EXCEPTING THEREFROM THAT PORTION LYING WITHIN SAID 60 FOOT EASEMENT.

PARCEL D:
AN EASEMENT AND RIGHT-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCES THEREON, OVER, UNDER, ALONG AND ACROSS THAT 60 FOOT STRIP DESCRIBED IN DEED TO HELEN ONLY, RECORDED JUNE 22, 1970 AS INSTRUMENT NO. 108174 OF OFFICIAL RECORDS.

PARCEL E:
EASEMENTS AND RIGHTS-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCES THEREON, OVER, UNDER, ALONG AND ACROSS THOSE STRIPS OF LAND DESCRIBED IN PARCELS 3, 4, 5 AND 6 OF DEED TO JOHN ROSE, RECORDED MARCH 7, 1973 AS INSTRUMENT NO. 73-009889 OF OFFICIAL RECORDS.



CURVE DATA				LINE DATA		PROPERTY LINE DATA			
NO.	RADIUS	DELTA (Δ)	ARC LENGTH	NO.	LENGTH	BEARING	NO.	LENGTH	BEARING
C1	150.00	51°38'18"	181.78	L0	78.65	N73°48'10"E	PL1	190.37	N14°38'48"E
C2	113.91	50°36'54"	100.39	L1	20.38	N57°34'58"E	PL2	58.31	N83°26'41"W
C3	200.00	2°14'34"	74.15	L2	34.33	N75°07'33"E	PL3	170.77	S58°21'13"E
C4	150.00	22°33'01"	59.04	L3	84.13	S53°20'33"E	PL4	185.13	S30°13'48"W
C5	80.00	51°31'50"	71.94	L4	232.21	N09°21'18"E	PL5	173.55	N66°27'20"W
C6	100.00	47°27'48"	89.84	L5	28.21	N48°48'35"E			
C7	160.00	30°22'43"	84.83	L6	20.98	N62°41'10"E			
C8	270.00	17°32'55"	85.39	L7	71.72	S31°51'34"W			
C9	175.00	37°44'42"	119.29	L8	110.50	S31°51'34"W			
C10	88.78	47°42'34"	73.93	L9	127.15	S68°07'38"W			
C11	150.04	38°27'55"	95.49	L10	46.88	S21°54'58"E			
C12	350.00	89°57'58"	519.88	L11	71.14	S81°57'35"W			
C13	60.00	51°58'17"	54.41	L12	24.75	S36°01'00"W			
C14	160.00	45°56'35"	80.21	L13	220.17	S64°38'53"W			
C15	100.00	28°35'57"	49.93	L14	28.08	N63°01'38"W			
C16	100.00	31°31'28"	55.04	L15	68.08	S31°17'18"W			
C17	100.00	42°51'04"	74.81	L16	23.74	N37°31'17"W			
C18	75.00	58°11'25"	115.78	L17	18.76	S75°17'27"W			
C19	100.00	67°11'16"	117.39	L18	42.89	S55°14'12"E			
C20	100.00	52°28'21"	81.81	L19	205.50	N68°32'18"E			
C21	150.04	41°13'30"	103.85	L20	100.17	S72°23'58"E			
C22	200.00	20°33'41"	71.79	L21	178.09	N65°19'21"W			
C23	125.00	43°18'43"	94.51	L22	38.11	S73°46'08"W			
C24	168.12	69°08'42"	174.48	L23	78.10	S78°18'49"W			
C25	183.34	42°24'30"	136.70	L24	72.76	S30°37'10"W			
C26	175.00	19°46'10"	47.87	L25	89.40	S48°25'45"W			
C27	30.01	70°22'40"	36.88	L26	30.00	S88°26'10"E			
C28	100.00	42°41'38"	74.54	L27	380.36	N66°11'00"E			
C29	200.00	12°48'35"	44.73	L28	291.87	N89°41'50"E			
				L29	228.24	S0°18'10"E			
				L30	272.18	S0°18'10"E			
				L31	952.15	S89°39'37"W			

SCHEDULE B

- EASEMENT(S) OR RIGHT(S) OF WAY FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THEREOF, AS GRANTED AND/OR RESERVED IN VARIOUS DEEDS OF RECORD; PURPOSE: INGRESS AND EGRESS, PIPELINES, DRAINAGE AND/OR PUBLIC UTILITIES AND INCIDENTAL PURPOSES; EFFECTS: OVER, UNDER, ALONG AND ACROSS THE EASEMENT PARCELL(S) HEREIN DESCRIBED; AFFECTS: PARCELS B THROUGH E
- EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THEREOF AS SET FORTH IN A DOCUMENT; PURPOSE: ROAD AND UTILITIES; RECORDING DATE: JUNE 22, 1970; RECORDING NO. AS INSTRUMENT NO. 1970-108174 OF OFFICIAL RECORDS; AFFECTS: PARCELS D AND E; SAID EASEMENT HAS BEEN GRANTED AND/OR RESERVED IN VARIOUS INSTRUMENTS OF RECORD.
- EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THEREOF AS RESERVED IN A DOCUMENT; RESERVED BY: KENNETH LEWIS; PURPOSE: ROAD AND UTILITIES; RECORDING DATE: OCTOBER 22, 1974; RECORDING NO. AS INSTRUMENT NO. 1974-281600 OF OFFICIAL RECORDS; AFFECTS: PARCEL A; SAID EASEMENT HAS BEEN GRANTED AND/OR RESERVED IN VARIOUS INSTRUMENTS OF RECORD

- AN IRREVOCABLE OFFER TO DEDICATE AN EASEMENT OVER A PORTION OF SAID LAND FOR PURPOSES: PUBLIC ROAD; RECORDING DATE: MAY 10, 1976; RECORDING NO. AS INSTRUMENT NO. 1976-140214 OF OFFICIAL RECORDS; AFFECTS: PARCELS D AND E
- EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THEREOF, AS GRANTED IN A DOCUMENT; GRANTED TO: MISS DAILY AND HIS HEIRS AND SUCCESSORS; PURPOSE: PRIVATE WATER STORAGE TANK AND INGRESS AND EGRESS; RECORDING DATE: JANUARY 21, 1980; RECORDING NO. AS INSTRUMENT NO. 80-022729 OF OFFICIAL RECORDS; AFFECTS: PARCEL A



NO.	DATE	DESCRIPTION
1	11/06/2017	ADD EASEMENTS
2	06/12/2017	FINAL SURVEY

ISSUED DATE:
NOVEMBER 06, 2017

ISSUED FOR:
FINAL SURVEY

LICENSEE:

PROJECT INFORMATION:
CALO1603
DL LUZ
2371 HELEN ROAD,
FALLBROOK, CA 92028

DRAWN BY: AA
CHECKED BY: AJH

SHEET TITLE:
TOPOGRAPHIC SURVEY

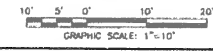
SHEET NUMBER:
LS-1


NOTES:

1. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP. THE PROPERTY LINES AND EASEMENTS SHOWN HEREON ARE FROM RECORDED INFORMATION AS NOTED HEREON. CELLSIUS ENGINEERING GROUP TRANSLATED THE TOPOGRAPHIC SURVEY TO RECORD INFORMATION USING FOUND MONUMENTS SHOWN HEREON.
2. ANY CHANGES MADE TO THE INFORMATION ON THIS PLAN, WITHOUT THE WRITTEN CONSENT OF CELLSIUS, RELIEVES CELLSIUS ENGINEERING GROUP OF ANY AND ALL LIABILITY.
3. THESE DRAWINGS & SPECIFICATIONS ARE THE PROPERTY & COPYRIGHT OF CELLSIUS ENGINEERING GROUP & SHALL NOT BE USED ON ANY OTHER WORK EXCEPT BY AGREEMENT WITH THE SURVEYOR. WRITTEN DIMENSIONS SHALL TAKE PREFERENCE OVER SCALED & SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE SURVEYOR PRIOR TO COMMENCEMENT OF ANY WORK.
4. FIELD SURVEY COMPLETED ON MAY 05, 2017.


LEGEND

- CENTER LINE
- PROPERTY LINE
- - - CHAIN-LINK FENCE
- - - WOOD FENCE
- - - WROUGHT IRON FENCE
- ▬▬▬▬▬ RETAINING WALL
- EDGE OF PAVEMENT
- H1 HEIGHT
- TC TOP OF CURB
- TW TOP OF WATER TANK
- EC EXISTING GRADE
- FS FINISH SURFACE
- NH HAND HOLE
- QP GUARD POST
- CT CABINET
- TEL TELECOM PEDESTAL
- TPP TOP OF POWER POLE
- TL TOP OF LUMINAIRE
- TA TOP OF ANTENNA
- TR TRANSFORMER
- EC ELECTRIC CAB
- RP RAMP
- SH SIGN
- VV VALVE
- WM WATER METER
- VT VALET
- WV WATER VALVE
- CB CATCH BASIN
- CO CLEAN OUT
- BP BACKFLOW PREVENTOR
- CS PEDESTRIAN SIGNAL LIGHT
- ES EXISTING STREET LIGHT
- ET EXISTING TRAFFIC SIGNAL
- PP POWER POLE
- ES EXISTING SIGN
- OT OUT WIRE ANCHOR
- TR TREE
- EXISTING GRASS/TURF






5738 PACIFIC CENTER BLVD
SAN DIEGO, CA 92121



8885 MARCOA DRIVE
CARLSBAD, CA 92011



10830 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
tel. (619) 433-7133 fax. (619) 505-2977

REV	DATE	DESCRIPTION
1	11/06/2017	ADDED EASEMENTS
0	09/12/2017	FINAL SURVEY

ISSUED DATE: **NOVEMBER 06, 2017**

ISSUED FOR: **FINAL SURVEY**

LICENSEE: _____

PROJECT INFORMATION:

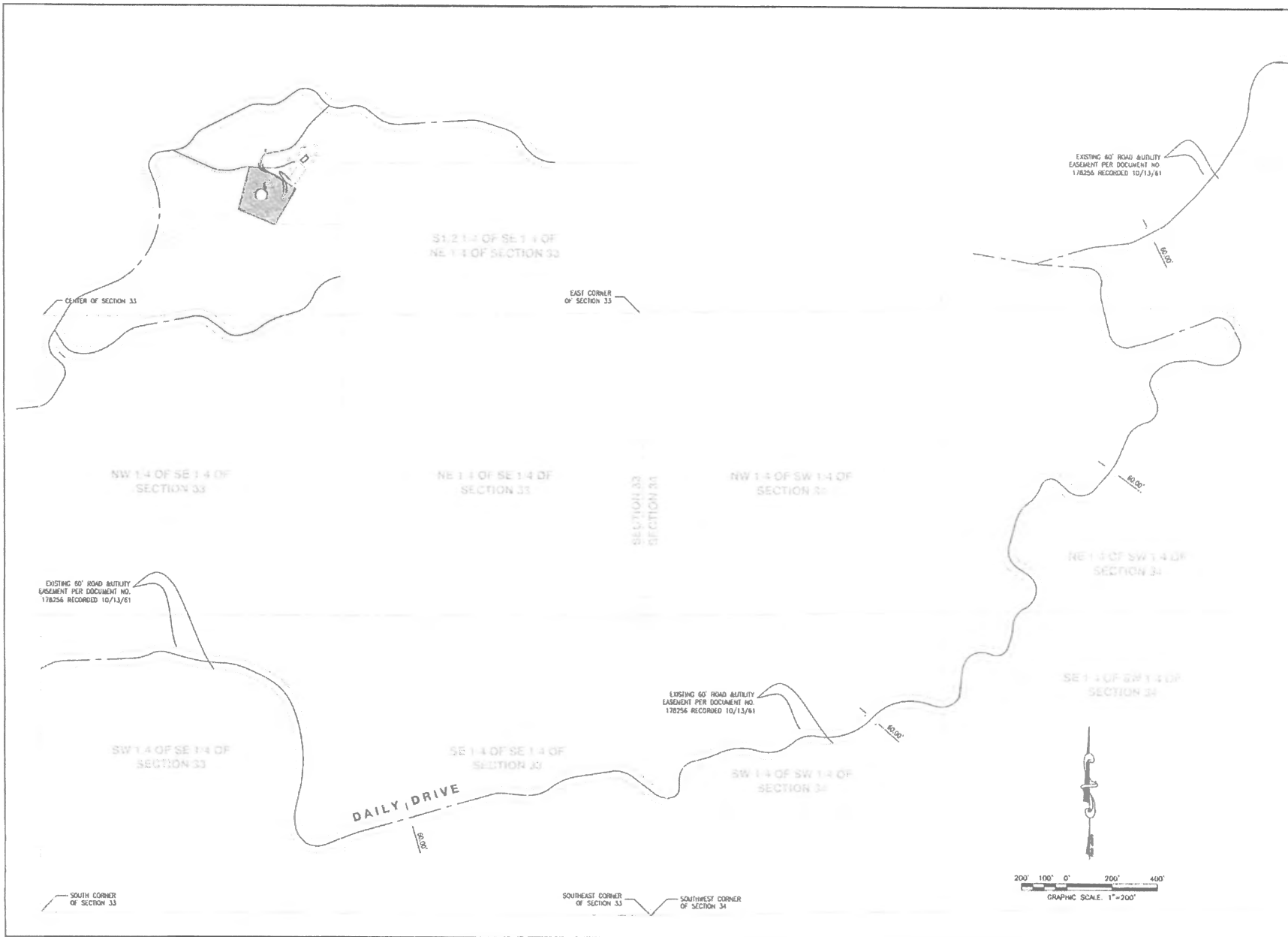
CAL01603
DE LUZ
2371 HELEN ROAD,
FALLBROOK, CA 92028

DESIGN BY: _____ AA

CHECKED BY: _____ AJK

SHEET TITLE: **TOPOGRAPHIC SURVEY**

SHEET NUMBER: **LS-2**



REV	DATE	DESCRIPTION
1	11/06/2017	ADDED EASEMENTS
0	06/12/2017	FINAL SURVEY

ISSUED DATE: **NOVEMBER 06, 2017**

ISSUED FOR: **FINAL SURVEY**

LICENSURE:

PROJECT INFORMATION:
CAL01603
DE LUZ
2371 HELEN ROAD,
FALLBROOK, CA 92028

DRAWN BY: AA
CHECKED BY: AJK

SHEET TITLE: **TOPOGRAPHIC SURVEY**

SHEET NUMBER: **LS-3**

DATE: _____
 NO. _____
 REVISED: _____



at&t
 3730 PACIFIC CENTER BLVD
 SAN DIEGO, CA 92131

M&M
 CONSULTING ENGINEERS
 6886 MISSION DRIVE
 CARLSBAD, CA 92011

CELSIUS
 ENGINEERING GROUP
 10650 SCRIPPS RANCH BLVD, SUITE 224
 SAN DIEGO, CA 92131
 TEL: (619) 433-7170 FAX: (619) 505-2877

REV	DATE	DESCRIPTION
0	05/29/2018	100% CD SET FOR REVIEW
A	01/30/2018	80% CD'S FOR REVIEW

ISSUED DATE: **MAY 29, 2018**

ISSUED FOR: **100% CD SET**

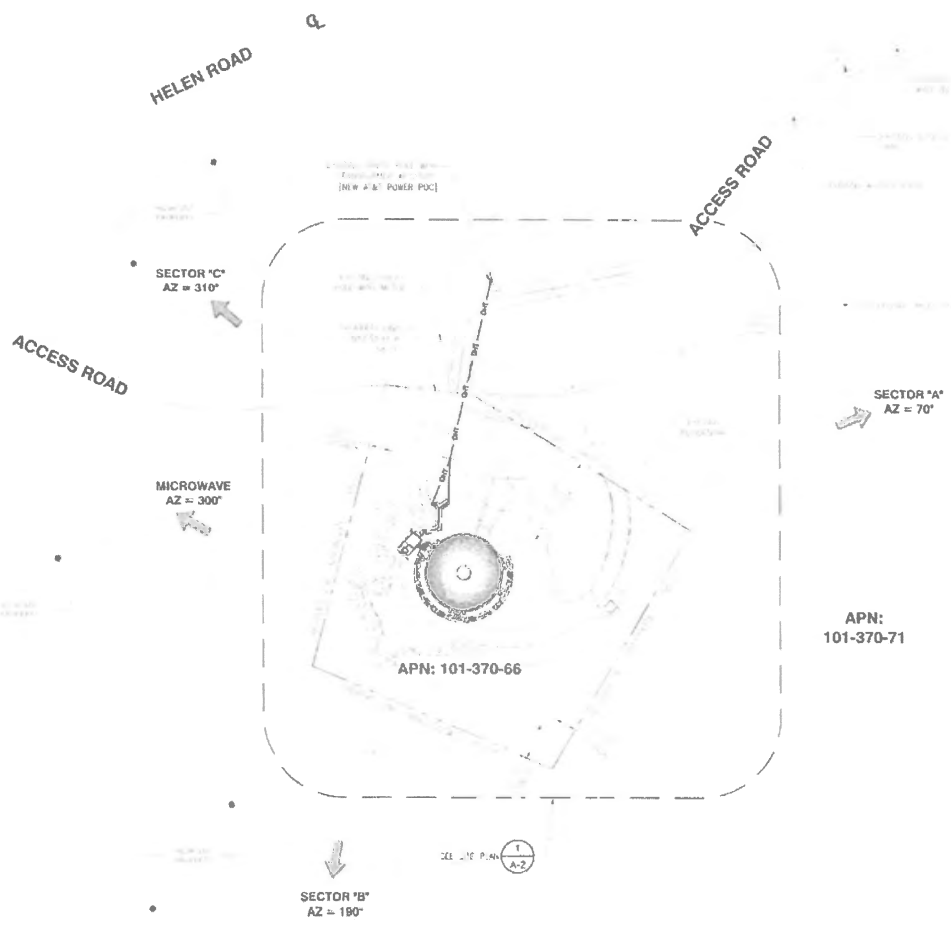
LICENSURE:

PROJECT INFORMATION:
CAL01603
 DE LUZ
 2371 HELEN ROAD
 FALLBROOK, CA 92028

DRAWN BY: _____
 CHECKED BY: _____

SHEET TITLE: **OVERALL SITE PLAN**

SHEET NUMBER: **A-1**



APN: 101-370-66

APN: 101-370-71

NOTICE OF PREPARATION

1. The undersigned is the author of the foregoing map, and certifies that the facts stated therein are true and correct to the best of his knowledge and belief, and that the same conform to the provisions of the California Public Resources Code, Chapter 4, and the regulations thereunder.

2. The undersigned is a duly licensed Professional Engineer, and certifies that he is duly qualified to prepare and certify the foregoing map, and that he is duly qualified to certify the same.

3. The undersigned is a duly licensed Professional Engineer, and certifies that he is duly qualified to prepare and certify the foregoing map, and that he is duly qualified to certify the same.

4. The undersigned is a duly licensed Professional Engineer, and certifies that he is duly qualified to prepare and certify the foregoing map, and that he is duly qualified to certify the same.

5. The undersigned is a duly licensed Professional Engineer, and certifies that he is duly qualified to prepare and certify the foregoing map, and that he is duly qualified to certify the same.

6. The undersigned is a duly licensed Professional Engineer, and certifies that he is duly qualified to prepare and certify the foregoing map, and that he is duly qualified to certify the same.

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9. The undersigned is a duly licensed Professional Engineer, and certifies that he is duly qualified to prepare and certify the foregoing map, and that he is duly qualified to certify the same.

10. The undersigned is a duly licensed Professional Engineer, and certifies that he is duly qualified to prepare and certify the foregoing map, and that he is duly qualified to certify the same.

OVERALL SITE PLAN

24"X36" SCALE 1" = 40'-0"
 11"X17" SCALE 1" = 80'-0"



PDJ2017-MUP-17-010 2 January 25, 2018

transfers have been placed on all sets of the building plans and made consistent with its issuance.

OCCUPANCY (Prior to any occupancy, final grading release or use of the premises in reliance of this permit).

6. PLAN #1- PHOTO SIMULATION [PDS, PCC] [NO, FG] [PDS, FEE]
INTENT: In order to verify that the site complies with the County Zoning Ordinance Section 6960 through 6991 (Wireless Telecommunications Section), the site shall substantially comply with the approved plan plans and photo-simulations. **DESCRIPTION OF REQUIREMENT:** The site shall be built to substantially comply with the approved photo-simulations dated 07/15/2017 to ensure that the site was built to be screened from public view. **DOCUMENTATION:** The applicant shall build the site to comply with the approved plans and the photo-simulations. Upon completion, the applicant shall provide the photographic evidence to the [PDS, PCC] for review. **TIMING:** Prior to any occupancy, final grading release or use of the premises in reliance of this permit, the site shall be built to match the approval. **MONITORING:** The [PDS, PCC] shall review the provided photos for compliance with this condition and compliance with the photo-simulations.

7. PLAN#2- SITE PLAN IMPLEMENTATION [PDS, BI] [JO] [DPR, TC, PP]
INTENT: In order to comply with the approved project design indicated on the approved site plan, the project shall be constructed as indicated on the approved building and construction plans. **Description of Requirement:** The site shall conform to the approved site plan and the building plans. This includes, but is not limited to installing all required design features, painting all structures with the approved colors, and all temporary construction facilities have been removed from the site. **Documentation:** The applicant shall ensure that the site conforms to the approved site plan and building plans. Any interior changes to approved telecommunications equipment that are located entirely within an approved enclosed equipment shelter, with equipment that cannot be seen by an adjacent residence, parcel or roadway, shall not require Modification or Deviation of the permit, to the satisfaction of the Director of Planning and Development Services. Expansion of the existing approved equipment shelter and/or addition of noise-generating equipment would require either Modification or Deviation of the permit. **Timing:** Prior to any occupancy, final grading release or use of the premises in reliance of this permit, the site shall conform to the approved plans. **Monitoring:** The [PDS Building Inspector] and [DPR TC PP] shall inspect the site for compliance with the approved building plans.

8. ROAD#1-SIGHT DISTANCE
INTENT: In order to provide an unobstructed view for safety while exiting the property and accessing a public road from the site, and to comply with the

PDJ2017-MUP-17-010 - 4 - January 25, 2018

Design Standards of Section 6.1.E of the County of San Diego Public Works Signage and unobstructed sight distance shall be verified. **DESCRIPTION OF REQUIREMENT:**

a. A registered civil engineer or a licensed land surveyor provides a certified signed statement that "There is _____ feet of unobstructed intersection sight distance in the eastbound direction from the existing private easement road, Deity Road, along De Luz Road in accordance with the requirements described in Section 6.1.E, Table 5 of the March 2012 County of San Diego Public Road Standards. These sight distances exceed the required Intersection Sight Distance requirements of _____ as described in Table 5 based on a speed of _____ which I have verified to be the higher of the prevailing speed or the minimum design speed of the road classification. I have exercised responsible charge for the certification as defined in Section 6703 of the Professional Engineers Act of the California Business and Professions Code."

d. If the lines of sight fall within the existing public road right-of-way, the engineer or surveyor shall further certify "Said lines of sight fall within the existing right-of-way and a clear space easement is not required."

DOCUMENTATION: The applicant shall complete the certification and submit them to the [PDS, DPR] for review. **TIMING:** Prior to occupancy of the first structure built in association with this permit, or use of the premises in reliance of this permit, and annually after that until the project is completely built, the sight distance shall be verified. **MONITORING:** The [PDS, DPR] shall verify the sight distance certifications for compliance with this condition.

9. NOISE#2- NOISE CONTROL DESIGN MEASURES [PDS FEE X2]
INTENT: In order to reduce the impacts of the exterior sound levels from the project site on the adjacent parcels and to comply with the County of San Diego Noise Ordinance 30.404, as evaluated in the County of San Diego Noise Guidelines for Developers' Supplement, the following design measures shall be verified that they are constructed. **DESCRIPTION OF REQUIREMENT:** The following noise control design measures shall be constructed pursuant to the approved building plans. The generator shall be located within a minimum eight (8) foot high CMU block wall enclosure. **TIMING:** Prior to any occupancy final grading release or use of the premises in reliance of this permit, the noise control measures shall be installed and operational. **MONITORING:** The [PDS, BI] shall verify that the noise control measures above have been constructed pursuant to the approved building plans and this permit's conditions.

ONGOING: (The following conditions shall apply during the term of this permit)

NOTE:
 ALL PRIOR TO OCCUPANCY, THE ABOVE WILL BE SATISFIED BEFORE THE BUILDINGS CAN BE OCCUPIED.
 NOTE: BEFORE OCCUPANCY, YOU ARE REQUIRED TO SUBMIT EVIDENCE TO THE SATISFACTION OF THE SUPERVISOR OF EXAMINE AND LAND USE THAT ALL THRESHOLD OF THE OCCUPANCY REQUIREMENTS OF THE DEVELOPMENT PERMIT HAVE BEEN MET.

 SIGNATURE

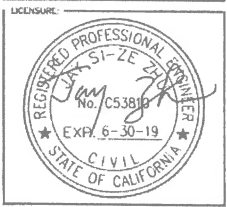
 DATE



REV	DATE	DESCRIPTION
0	05/29/2018	100% CD's FOR REVIEW
A	01/30/2018	30% CD's FOR REVIEW

ISSUED DATE:
 MAY 29, 2018

ISSUED FOR:
 100% CD SET

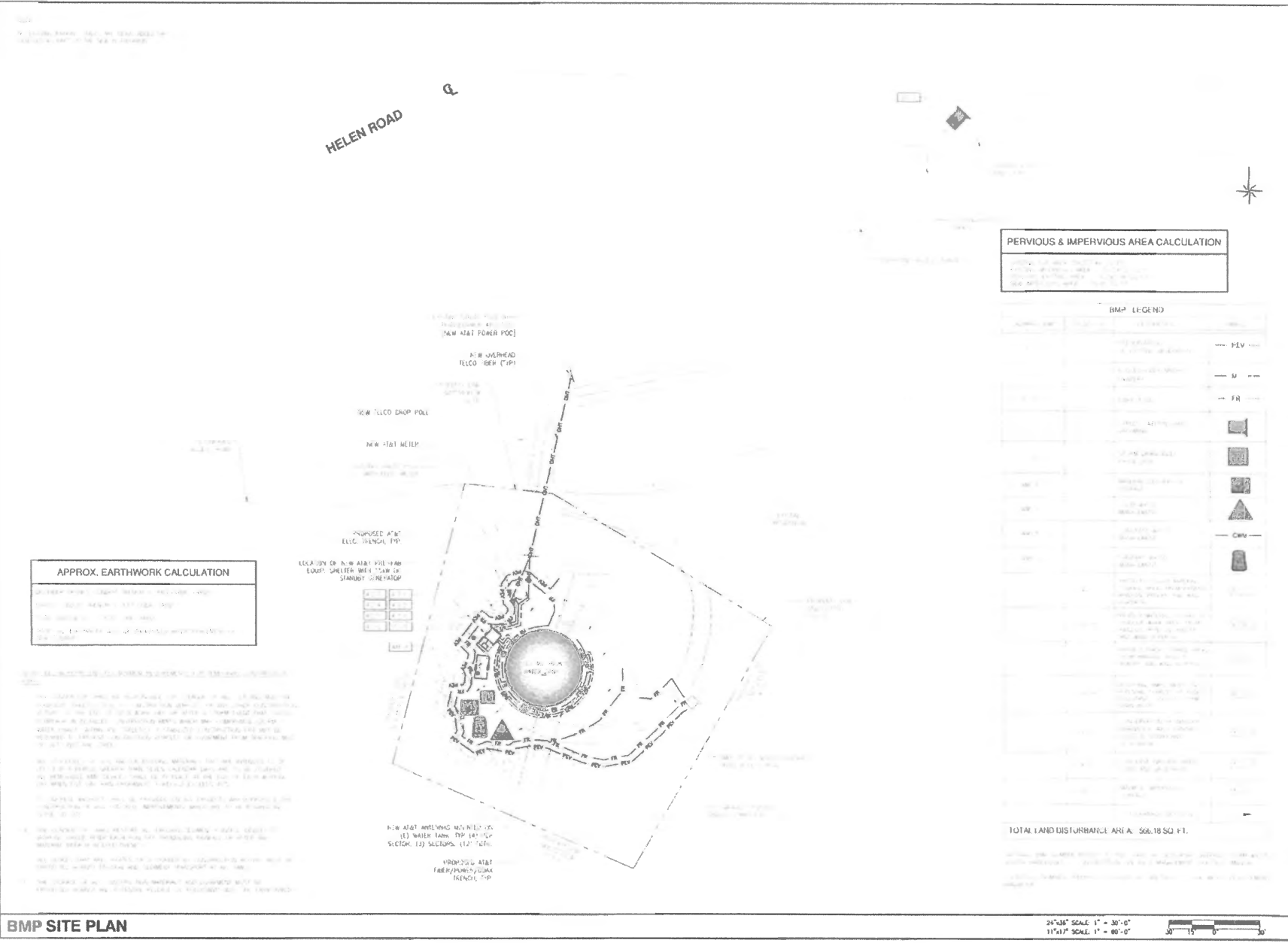


PROJECT INFORMATION
 CAL01603
 DE LUZ
 2371 HELEN ROAD
 FALLBROOK, CA 92028

DRAWN BY: RLD
CHECKED BY: MGG

SHEET TITLE:
 CONDITIONS AND COMPLIANCE STATEMENT

SHEET NUMBER:
 A-1.1



PERVIOUS & IMPERVIOUS AREA CALCULATION

PERVIOUS AREA: 100%
 IMPERVIOUS AREA: 100%
 TOTAL AREA: 100%

BMP LEGEND

NO.	DESCRIPTION	SYMBOL
1	PERVIOUS AREA	---
2	IMPERVIOUS AREA	---
3	PERVIOUS AREA	---
4	IMPERVIOUS AREA	---
5	PERVIOUS AREA	---
6	IMPERVIOUS AREA	---
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97	PERVIOUS AREA	---
98	IMPERVIOUS AREA	---
99	PERVIOUS AREA	---
100	IMPERVIOUS AREA	---

TOTAL LAND DISTURBANCE AREA: 566.18 SQ. FT.

APPROX. EARTHWORK CALCULATION

APPROX. EARTHWORK CALCULATION

APPROX. EARTHWORK CALCULATION

5735 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121

6800 MARINO DRIVE
CARLSBAD, CA 92011

10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
PH: (858) 433-7153 | FAX: (858) 505-2877

REV	DATE	DESCRIPTION
0	05/29/2018	100% CD'S FOR REVIEW
A	01/30/2018	90% CD'S FOR REVIEW

ISSUED DATE: MAY 29, 2018

ISSUED FOR: 100% CD SET

LICENSURE:

REGISTERED PROFESSIONAL ENGINEER
JAY SI-ZE
No. C53812
EXP. 6-30-19
CIVIL
STATE OF CALIFORNIA

PROJECT INFORMATION:

CAL01603
DE LUZ
2371 HELEN ROAD
FALLBROOK, CA 92028

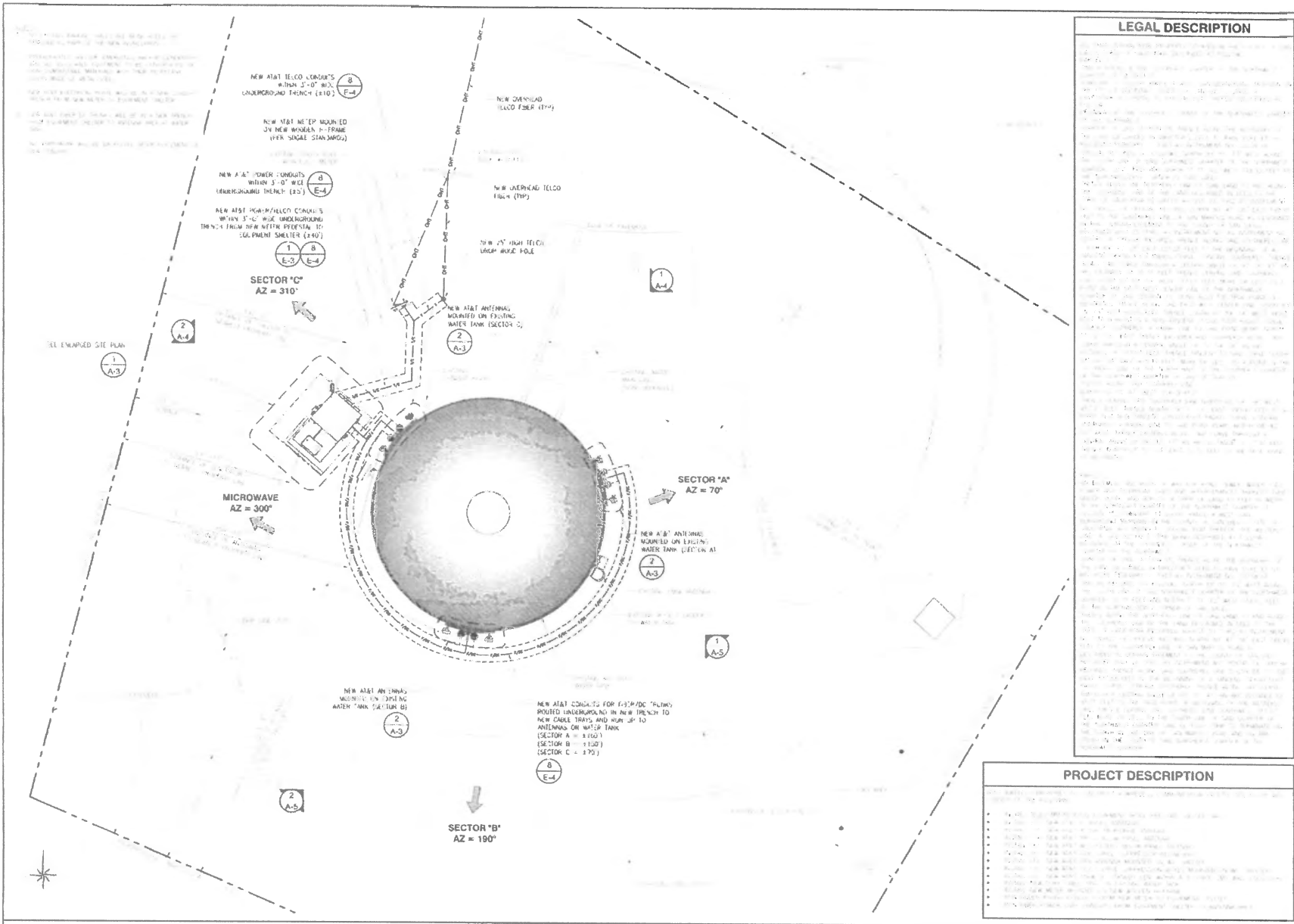
DRAWN BY: RED
CHECKED BY: RGG

SHEET TITLE: BMP SITE PLAN

SHEET NUMBER: A-1.2

BMP SITE PLAN

24"x36" SCALE: 1" = 30'-0"
 11"x17" SCALE: 1" = 60'-0"
 30' 15' 0' 30'



SITE PLAN 24"X36" SCALE: 1" = 10'-0"
15'X17" SCALE: 1" = 20'-0"

LEGAL DESCRIPTION

THE FOLLOWING IS A LEGAL DESCRIPTION OF THE PROJECT SITE, AS SHOWN ON THE ATTACHED SITE PLAN, AND IS SUBJECT TO ALL EASEMENTS, ENCUMBRANCES, AND OTHER INTERESTS OF RECORD AFFECTING SAID SITE AND THE LANDS ADJACENT THERETO.

THE PROJECT SITE IS SITUATED IN THE CITY OF FALLBROOK, CALIFORNIA, AND IS BOUND AS FOLLOWS:

NORTH BY 200.00 FEET TO THE CENTER LINE OF THE FALLBROOK WATER TREATMENT PLANT CANAL;

EAST BY 150.00 FEET TO THE CENTER LINE OF THE FALLBROOK WATER TREATMENT PLANT CANAL;

SOUTH BY 150.00 FEET TO THE CENTER LINE OF THE FALLBROOK WATER TREATMENT PLANT CANAL;

WEST BY 150.00 FEET TO THE CENTER LINE OF THE FALLBROOK WATER TREATMENT PLANT CANAL;

THE TOTAL AREA OF SAID PROJECT SITE IS APPROXIMATELY 15,000 SQUARE FEET.

PROJECT DESCRIPTION

INSTALLATION OF AT&T FIBER OPTIC NETWORK AND ANTENNAS FOR 4G/LTE SERVICE AT THE FALLBROOK WATER TREATMENT PLANT.

THE PROJECT INCLUDES THE INSTALLATION OF:

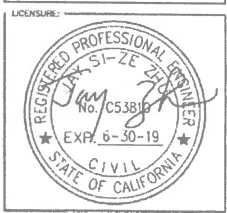
- NEW AT&T FIBER CONDUITS AND UNDERGROUND TRENCHES.
- NEW AT&T TOWER CONDUITS AND UNDERGROUND TRENCHES.
- NEW AT&T ANTENNAS MOUNTED ON EXISTING WATER TANKS.
- NEW AT&T ANTENNAS MOUNTED ON EXISTING WATER TANKS.
- NEW AT&T ANTENNAS MOUNTED ON EXISTING WATER TANKS.



REV	DATE	DESCRIPTION
0	05/29/2018	100% CD'S FOR REVIEW
A	01/30/2018	90% CD'S FOR REVIEW

ISSUED DATE: **MAY 29, 2018**

ISSUED FOR: **100% CD SET**



PROJECT INFORMATION
 CAL01603
 DE LUZ
 2371 HELEN ROAD
 FALLBROOK, CA 92028

DRAWN BY: **RED**
 CHECKED BY: **RGG**

SHEET TITLE: **SITE PLAN**

SHEET NUMBER: **A-2**

- NOTES:**
1. NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED AS PART OF THE NEW INSTALLATION.
 2. PREFABRICATED SHELTER, EMERGENCY BACKUP GENERATOR, AND ALL ASSOCIATED EQUIPMENT TO BE CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS WITH THEIR RESPECTIVE DOORS MADE OF METAL/STEEL.
 3. NEW EQUIPMENT SHELTER AND PLATFORM TO BE DESIGNED BY OTHERS.

NEW AT&T POWER/TELECOM SHEATHS - WHEN 3'-0" WIDE SHEATHS ARE TRENCH FROM NEW WATER TOWER TO EQUIPMENT SHELTER (E-4)

NEW AT&T L12 SURGE SUPPRESSOR BUSES ON NEW SHELTER (E-4)

NEW AT&T PRE-FAB SHELTER (E-4) LOCATION OF AT&T EQUIPMENTS SEE HOLES TO BE MADE (PLATFORM TO BE DESIGNED BY OTHERS)

NEW AT&T UPS ANTENNA MOUNTED ON PRE-FAB SHELTER (E-4)

NEW AT&T GENERATOR TANK VENT PIPE (2' DIA)

NEW AT&T 5VA STANDBY GENERATOR ON PLATFORM TO BE DESIGNED BY OTHERS

NEW AT&T 12' DIA ENCL. ENCLOSURE (E-4)

NEW DRAINAGE (E-4)

NEW AT&T 12' DIA NON-EXCLUSIVE ACCESS ROUTE

NEW AT&T CONDUITS FOR HIGH/DC POWER TO BE INSTALLED UNDERGROUND IN NEW TRENCH TO NEW CABLE TRAYS AND RUN UP TO ANTENNAS ON WATER TANK

ENLARGED SITE PLAN

24'-36" SCALE: 3/8" = 1'-0"
11'-5 1/2" SCALE: 3/16" = 1'-0"

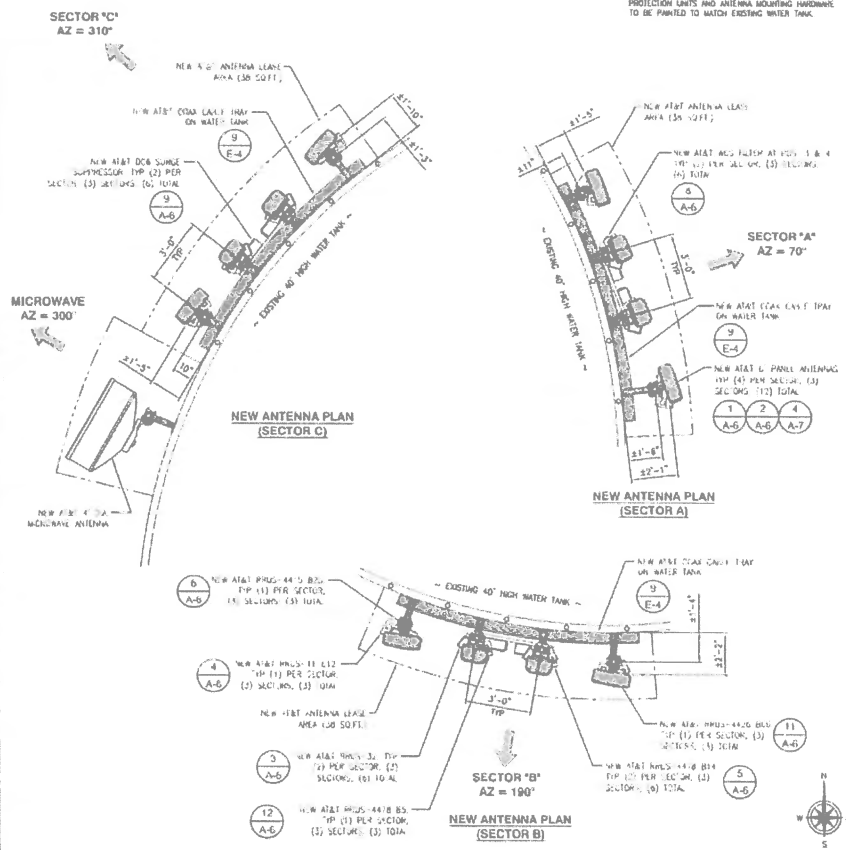
NEW ANTENNA LAYOUT

24'-36" SCALE: 3/8" = 1'-0"
11'-5 1/2" SCALE: 3/16" = 1'-0"

NEW ANTENNA SCHEDULE

ANTENNA POSITION	STATUS	RAD. C/D/UTR	TECHNOLOGY	ANTENNA MAKE/MODEL	AZIMUTH	ANTENNA COUNT	FILTR/TNA MODEL	FILTR/TNA COUNT	TRANSMISSION LENGTH	TRANSMISSION TYPE(S)	BRUS MAKE/MODEL	BRUS COUNT
A1	NEW	35'-9"	700/1900	KATHREIN B0010945	70°	1	-	-	2180'-0"	HYBRID	TECUMSEH 1111-111	1
A2	NEW	36'-2"	MCS/LRE B05	CC BSA-NBSR-RU-H6	70°	1	-	-	2180'-0"	HYBRID	TECUMSEH 1111-111	1
A3	NEW	36'-2"	MCS	CC BSA-NBSR-RU-H6	70°	1	WCS-MQ-AMT	1	2180'-0"	HYBRID	TECUMSEH 1111-111	1
A4	NEW	35'-9"	700/TRETT MFS	KATHREIN B0010945	70°	1	WCS-MQ-AMT	1	2180'-0"	HYBRID	TECUMSEH 1111-111	1
B1	NEW	35'-9"	700/1900	KATHREIN B0010945	190°	1	-	-	2100'-0"	HYBRID	TECUMSEH 1111-111	1
B2	NEW	36'-2"	MCS/LRE B05	CC BSA-NBSR-RU-H6	190°	1	-	-	2100'-0"	HYBRID	TECUMSEH 1111-111	1
B3	NEW	36'-2"	MCS	CC BSA-NBSR-RU-H6	190°	1	WCS-MQ-AMT	1	2100'-0"	HYBRID	TECUMSEH 1111-111	1
B4	NEW	35'-9"	700/TRETT MFS	KATHREIN B0010945	190°	1	WCS-MQ-AMT	1	2100'-0"	HYBRID	TECUMSEH 1111-111	1
C1	NEW	35'-9"	700/1900	KATHREIN B0010945	310°	1	-	-	2707'-0"	HYBRID	TECUMSEH 1111-111	1
C2	NEW	36'-2"	MCS/LRE B05	CC BSA-NBSR-RU-H6	310°	1	-	-	2707'-0"	HYBRID	TECUMSEH 1111-111	1
C3	NEW	36'-2"	MCS	CC BSA-NBSR-RU-H6	310°	1	WCS-MQ-AMT	1	2707'-0"	HYBRID	TECUMSEH 1111-111	1
C4	NEW	35'-9"	700/TRETT MFS	KATHREIN B0010945	310°	1	WCS-MQ-AMT	1	2707'-0"	HYBRID	TECUMSEH 1111-111	1
NW	NEW	37'-6"	-	T90	300°	-	-	-	2707'-0"	CODE	-	-

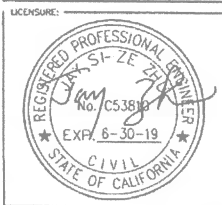
NOTES:
1. ALL NEW PANEL ANTENNAS, RRW AND SURGE PROTECTION LIMITS AND ANTENNA MOUNTING HARDWARE TO BE PAINTED TO MATCH EXISTING WATER TANK.



REV	DATE	DESCRIPTION
0	05/29/2018	100% CD'S FOR REVIEW
A	01/30/2018	REV. CD'S FOR REVIEW

ISSUED DATE: **MAY 29, 2018**

ISSUED FOR: **100% CD SET**



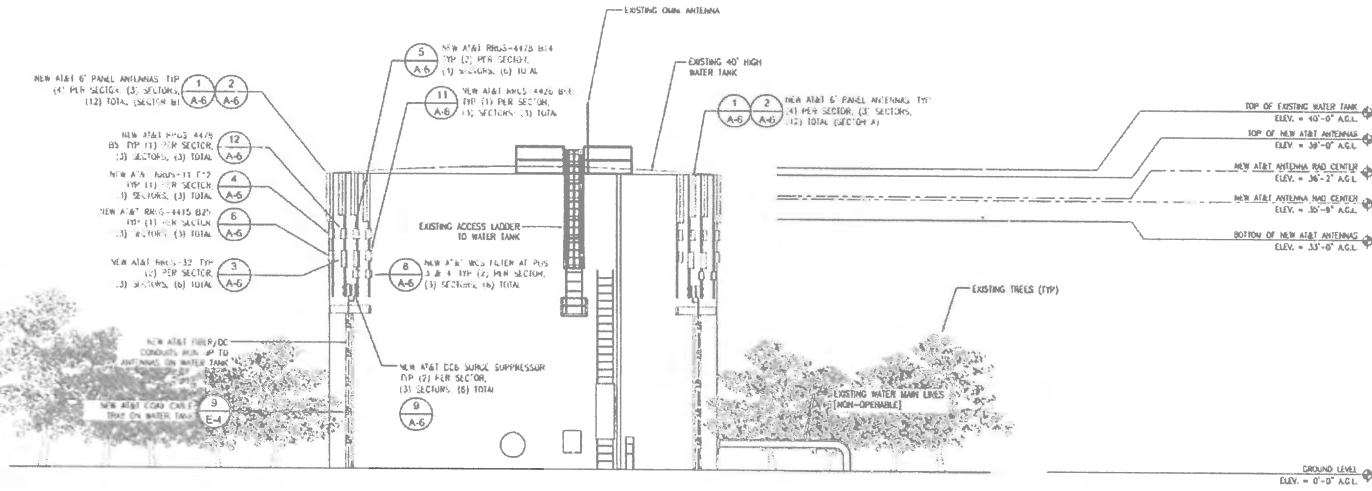
PROJECT INFORMATION:
CAL01603
DE LUZ
2371 HELEN ROAD
FALLBROOK, CA 92028

DRAWN BY: **RED**
CHECKED BY: **ROD**

SHEET TITLE:
ENLARGED SITE PLAN, ANTENNA PLAN AND ANTENNA SCHEDULE

SHEET NUMBER: **A-3**

NOTE:
1. ALL NEW PANEL ANTENNAS, RRHS AND SURGE PROTECTION UNITS AND ANTENNA MOUNTING HARDWARE TO BE PAINTED TO MATCH EXISTING WATER TANK.



5738 PACIFIC CENTER BLVD
SAN DIEGO, CA 92121



6826 MINOCA DRIVE
CARLSBAD, CA 92011

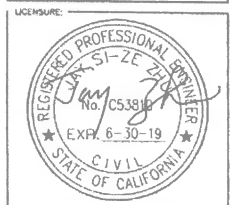


10650 SCRIPPS RANCH BLVD., SUITE 224
SAN DIEGO, CA 92131
TEL (858) 433-7113 | FAX (858) 503-2877

REV	DATE	DESCRIPTION
0	05/29/2018	100% CD'S FOR REVIEW
A	01/30/2018	80% CD'S FOR REVIEW

ISSUED DATE:
MAY 29, 2018

ISSUED FOR:
100% CD SET



PROJECT INFORMATION:
CALO1603
DE LUZ
2371 HELEN ROAD
FALLBROOK, CA 92028

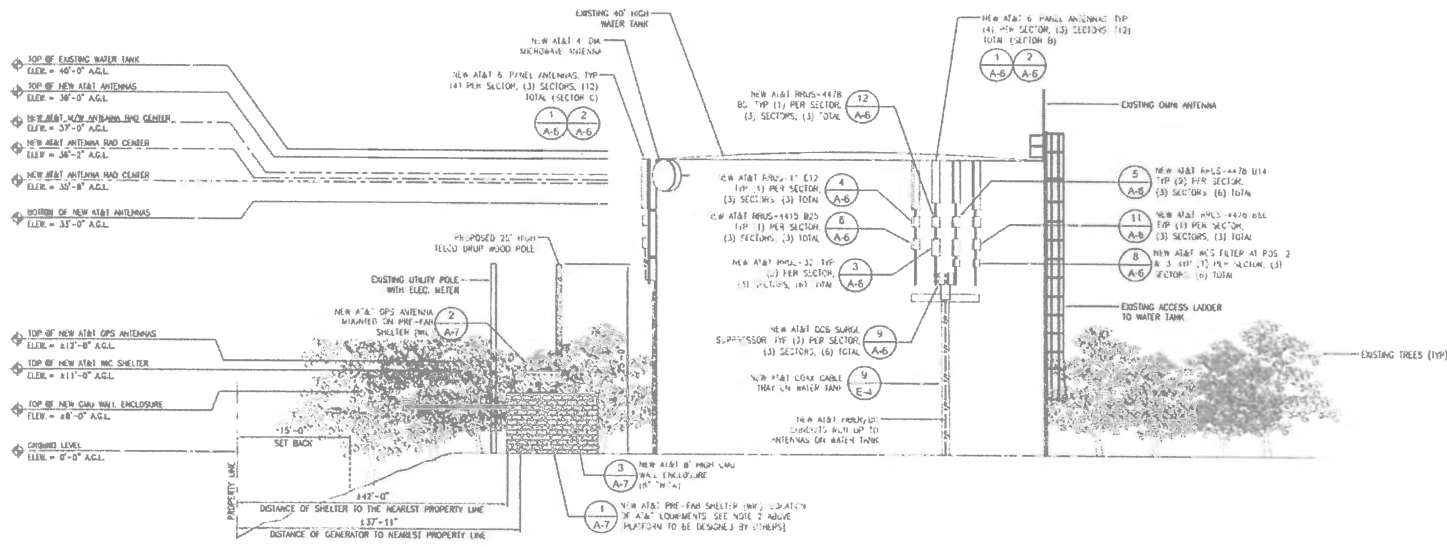
DRAWN BY: _____ REG
CHECKED BY: _____ REG

SHEET TITLE:
ELEVATIONS

SHEET NUMBER:
A-5

SOUTHEAST ELEVATION

24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"



- NOTES:
1. ALL NEW PANEL ANTENNAS, RRHS AND SURGE PROTECTION UNITS AND ANTENNA MOUNTING HARDWARE TO BE PAINTED TO MATCH EXISTING WATER TANK.
 2. PREFABRICATED SHELTER, EMERGENCY BACKUP GENERATOR, AND ALL ASSOCIATED EQUIPMENT TO BE CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS WITH THEIR RESPECTIVE DOORS MADE OF METAL/STEEL.
 3. 8' HIGH GALLIUM SUPERCONDUCTING GENERATOR IS CONSIDERED A HAZARDOUS MATERIAL UNDER CURRENT REGULATIONS.

SOUTHWEST ELEVATION

24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"



CCI HBSA-M55R-KU-116

DIMENSIONS: 66.17x11.77x6.57
 WEIGHT: 45.6 LBS.
 FREQUENCY RANGE: 928-960 MHz
 1895-2300 MHz
 STANDARD MOUNTING: INCLUDED FOR 2" TO 5" STD. PIPE
 CONNECTORS: 6x 7/16 DN FEMALE (LONG NECK)

FRONT, TOP, BOTTOM views.

KATHERINEI 80010965

DIMENSIONS: 28.37x20.71x6.97
 WEIGHT: 100.6 LBS.
 FREQUENCY RANGE: 898-906 MHz
 2160-2520 MHz
 STANDARD MOUNTING: INCLUDED FOR 2.2" TO 4.5" STD. PIPE
 CONNECTORS: 8x 4.3-10 FEMALE

FRONT, TOP, BOTTOM views.

MANUFACTURER:	ERICSSON
MODEL NO.:	RRUS 32
DIMENSIONS:	TOTAL WEIGHT:
A 27.17"	460 LBS
B 17.05"	(EXCLUDING MTS, W/DRUM)
C 7.07"	

FRONT VIEW, SIDE VIEW.

ERICSSON REMOTE RADIO UNIT

COLOR: WHITE
 DIMENSIONS: 19.89x16.97x7.17
 WEIGHT: 150 LBS
 HORIZONTAL CLEARANCE: 8" MIN.
 VERTICAL CLEARANCE: 16" MIN

FRONT VIEW, SIDE VIEW.



ANTENNA DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1

ERICSSON REMOTE RADIO UNIT

COLOR: WHITE
 DIMENSIONS: 16.57x15.47x7.77
 WEIGHT: 140 LBS
 HORIZONTAL CLEARANCE: 8" MIN.
 VERTICAL CLEARANCE: 16.7" MIN. FROM BOT. OF ANT.
 * 6" MIN. SEPARATION FROM BACKPLANE OF ANTENNA

FRONT, TOP, SIDE VIEW.

ANTENNA DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2

MANUFACTURER:	ERICSSON
MODEL NO.:	RRUS 4415 B25
DIMENSIONS:	TOTAL WEIGHT:
HEIGHT 16.5"	450 LBS
WIDTH 13.4"	(EXCLUDING W/DRUM)
DEPTH 5.9"	

FRONT, TOP, SIDE VIEW.

RRUS-32 DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3

(N) ANTENNA PIPE MOUNT, ERICSSON MODEL SAK-125-0245/1 SHORE POLE MOUNT, (2) PER ROW.

RRUS-11 E12 DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4

QUAD W/4: IMF FOR 2360-2395 MHz
AMT BAND COLLOCATION

MODEL NUMBER: WCS-WRQ-AMT-43
 PART NUMBER: L13057P73
 DIMENSIONS: 14.0x8.5x10.6"
 WEIGHT: 29.5 lbs

FRONT, TOP, SIDE, BOTTOM views.

RRUS-4478 B14 DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 5

DC SURGE SUPPRESSOR

MODEL NUMBER: RAVCAP DC6-48-60-18
 ENCLOSURE TYPE: NEMA 4
 DIMENSIONS, WxDxH: 18.17x6.37x20.06"
 WEIGHT: 43.5 lbs

FRONT, SIDE views.

RRUS-4415 B25 DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 6

RAVCAP DESCRIPTION: OVERVOLTAGE PROTECTION AND POWER MANAGEMENT SURGE PROTECTOR

MODEL #: DC12-48-60-0-25E-SS
 FEATURES: PROVIDES PROTECTION FOR 12 INDIVIDUAL -48V DC CIRCUITS

WEIGHT: 56.3 LBS
 NORMAL OPERATING DC VOLTAGE: 48V
 MAX. CONTINUOUS OPERATING DC VOLTAGE: 72VDC
 ENCLOSURE TYPE: OUTDOOR NEMA 4X RATED
 CONDUIT FITTINGS: (3) 2" CONDUIT FITTINGS (2) 1 1/2" CONDUIT FITTINGS (1) 1" CONDUIT FITTINGS

FRONT, TOP, BOTTOM views.

RRU MOUNTING DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7

MANUFACTURER:	ERICSSON
MODEL NO.:	RRUS 4426 B66
DIMENSIONS:	TOTAL WEIGHT:
HEIGHT 15.06"	230 LBS
WIDTH 13.16"	(EXCLUDING W/DRUM)
DEPTH 5.87"	

FRONT, TOP, SIDE views.

WCS FILTER DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8

MANUFACTURER:	ERICSSON
MODEL NO.:	RRUS 4478 B5
DIMENSIONS:	TOTAL WEIGHT:
HEIGHT 16.5"	150 LBS
WIDTH 13.4"	(EXCLUDING W/DRUM)
DEPTH 7.7"	

FRONT, TOP, SIDE views.

REV	DATE	DESCRIPTION
0	05/29/2018	100% CD'S FOR REVIEW
A	01/30/2018	50% CD'S FOR REVIEW

ISSUED DATE: MAY 29, 2018

ISSUED FOR: 100% CD SET



PROJECT INFORMATION: CAL01603
 DE LUZ
 2371 HELEN ROAD
 FALLBROOK, CA 92028

DRAWN BY: RLD
 CHECKED BY: ROG

SHEET TITLE: EQUIPMENT DETAILS

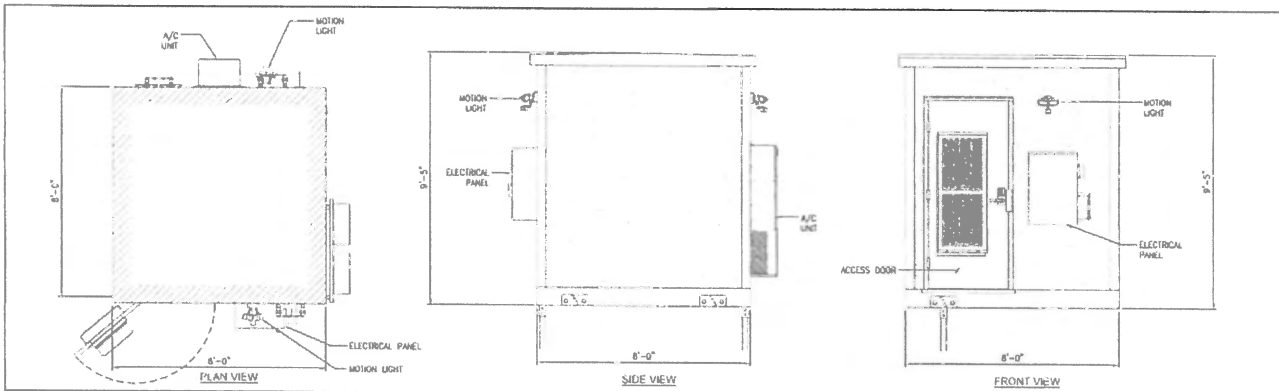
SHEET NUMBER: A-6

DC6 SURGE SUPPRESSOR DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 9

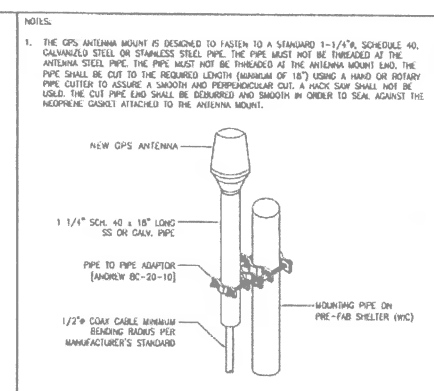
DC12 SURGE SUPPRESSOR DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 10

RRUS-4426 B66 DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 11

RRUS-4478 B5 DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 12

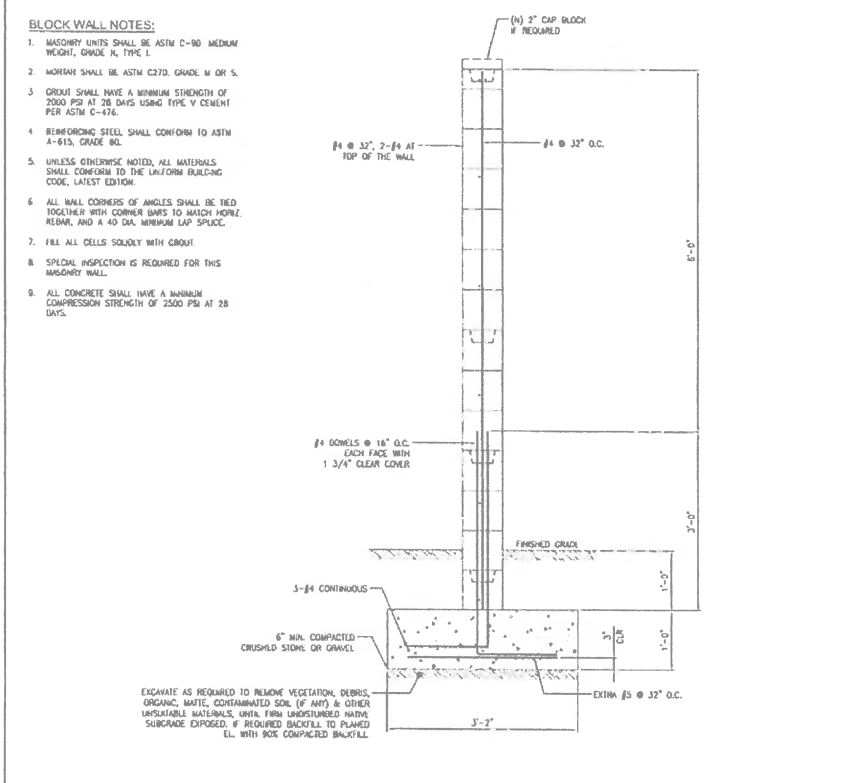


WIC SHELTER DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS **1**



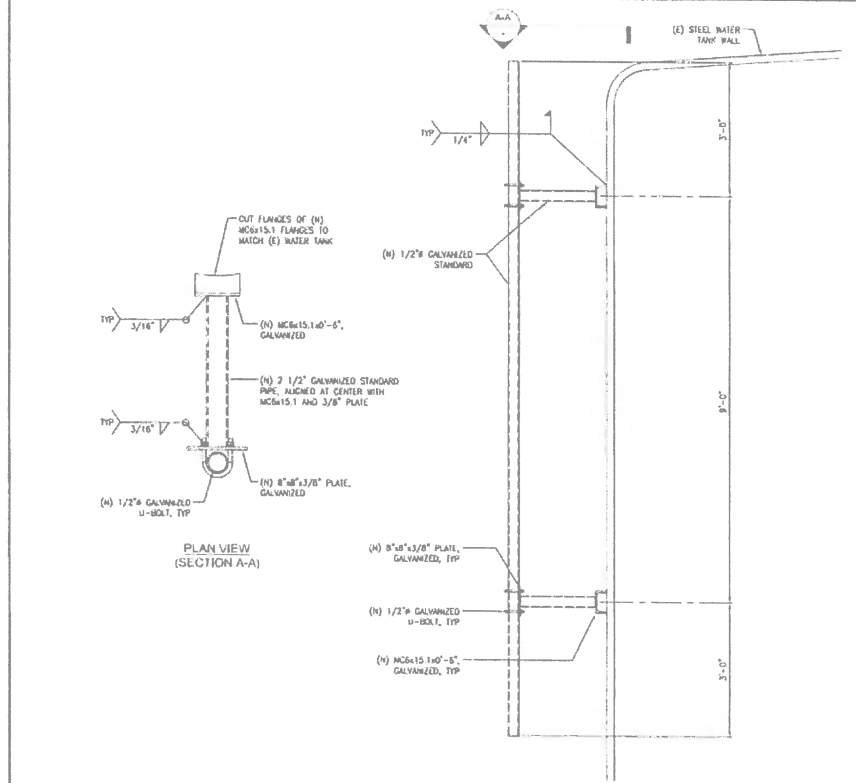
GPS ANTENNA DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS **2**

NOTES:
 1. THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1-1/4" SCHEDULE 40, GALVANIZED STEEL OR STAINLESS STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH (MINIMUM OF 18") USING A HAND OR ROTARY PIPE CUTTER TO ASSURE A SMOOTH AND PERPENDICULAR CUT. A HACK SAW SHALL NOT BE USED. THE CUT PIPE END SHALL BE DEBURRED AND SMOOTH BY ORDER TO SEAL AGAINST THE NEOPRENE GASKET ATTACHED TO THE ANTENNA MOUNT.



FREE STANDING CMU WALL DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS **3**

- BLOCK WALL NOTES:**
- MASONRY UNITS SHALL BE ASTM C-90 MEDIUM WEIGHT, GRADE N, TYPE I.
 - MORTAR SHALL BE ASTM C270, GRADE M OR S.
 - CURB SHALL HAVE A MINIMUM STRENGTH OF 2000 PSI AT 28 DAYS USING TYPE V CEMENT PER ASTM C-476.
 - REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60.
 - UNLESS OTHERWISE NOTED, ALL MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE, LATEST EDITION.
 - ALL WALL CORNERS OF ANGLES SHALL BE TIED TOGETHER WITH CORNER BARS TO MATCH HOPE, REBAR, AND A 40 DIA. MINIMUM LAP SPLICE.
 - FILL ALL CELLS SOLIDLY WITH GROUT.
 - SPECIAL INSPECTION IS REQUIRED FOR THIS MASONRY WALL.
 - ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 2500 PSI AT 28 DAYS.



ANTENNA MOUNTING DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS **4**

AT&T
 5738 PACIFIC CENTER BLVD
 SAN DIEGO, CA 92121

NINA
 5886 VANESSA DRIVE
 CARLSBAD, CA 92011

CELESIUS ENGINEERING GROUP
 10400 SCRIPPS RANCH BLVD., SUITE 224
 SAN DIEGO, CA 92131
 TEL: (619) 443-1124 | FAX: (619) 505-2977

REV	DATE	DESCRIPTION
0	05/29/2018	100% CD FOR REVIEW
A	01/30/2018	90% CD FOR REVIEW

ISSUED DATE: **MAY 29, 2018**

ISSUED FOR: **100% CD SET**

LICENSEE:

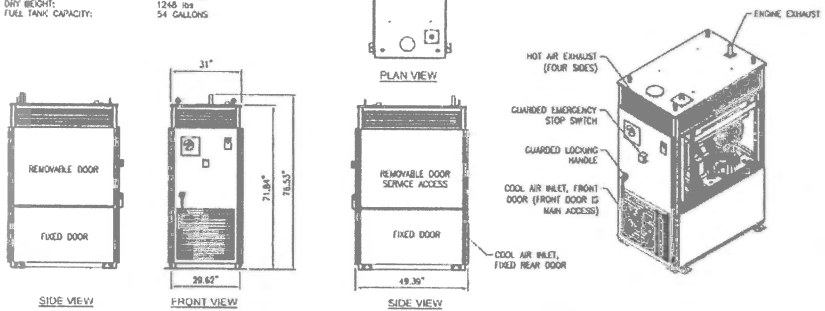
PROJECT INFORMATION:
CAL01603
DE LUZ
 2371 HELEN ROAD
 FALLBROOK, CA 92028

DRAWN BY: **RED**
 CHECKED BY: **PGG**

SHEET TITLE: **EQUIPMENT DETAILS**

SHEET NUMBER: **A-7**

15kW STANDBY GENERATOR
 MANUFACTURER: POLAR POWER
 MODEL NUMBER: 0220-15K-0-603
 DIMENSIONS: LxWxH: 30"x50"x72"
 DRY WEIGHT: 1245 lbs
 FUEL TANK CAPACITY: 54 GALLONS



15kW GENERATOR DETAIL

24"x36" SCALE: NTS
 11"x17" SCALE: NTS

1 NOT USED

24"x36" SCALE: NTS
 11"x17" SCALE: NTS

2

NOT USED

24"x36" SCALE: NTS
 11"x17" SCALE: NTS

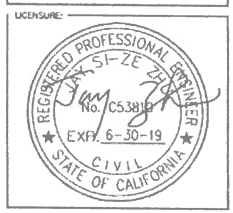
3



REV	DATE	DESCRIPTION
0	05/29/2018	100% CD's FOR REVIEW
A	01/30/2018	80% CD's FOR REVIEW

ISSUED DATE: MAY 29, 2018

ISSUED FOR: 100% CD SET



PROJECT INFORMATION:
 CAL01603
 DE LUZ
 2371 HELEN ROAD
 FALLBROOK, CA 92028

DRAWN BY: RLD
 CHECKED BY: HGG

SHEET TITLE: EQUIPMENT DETAILS

SHEET NUMBER: A-8

ELECTRICAL NOTES

- THIS INSTALLATION SHALL COMPLY WITH THE CURRENTLY ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE AND WITH UTILITY COMPANY AND LOCAL CODE REQUIREMENTS.
- INSTALL SUFFICIENT LENGTHS OF LFMC INCLUDING ALL CONDUIT FITTINGS (BUTS, REDUCING BUSHINGS, ELBOWS, COUPLERS) NECESSARY FOR CONNECTION FROM IMC OR PVC CONDUIT TO THE INTERIOR OF THE CABINET.
- POWER, CONTROL AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG AND LARGER), 600V, OIL RESISTANT THHN OR THHN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (NET AND DRY) OPERATION, LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED.
- CUT END AND TAP AS A 3 FOOT MINIMUM FROM END OF LFMC FOR TERMINATING BY ITS EQUIPMENT MANUFACTURER.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#8 AWG AND LARGER), 600V, OIL RESISTANT THHN OR THHN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (NET AND DRY) OPERATION, LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED OUTDOORS OR BELOW GRADE SHALL BE SINGLE CONDUCTOR (#2 AWG SOLID, THINWALL COPPER CABLE).
- POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC, CABLE (#14 AWG AND LARGER), 600V, OIL RESISTANT THHN OR THHN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90°C (NET AND DRY) OPERATION, WITH OUTER JACKET LISTED OR LABELED FOR THE LOCATION USED.
- CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNNERS.
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NFPA 70, UL, ANSI/IEEE AND NEC.
- NEW RACEWAY OR CABLE TRAY SHALL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
- ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRAMP STYLE, COMPRESSION, WIRE LUGS AND WIREBUTTS BY THOMAS AND BETTS (OR EQUAL), LUGS AND WIREBUTTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C.
- EACH END OF EVERY POWER, GROUNDING AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR CODED INSULATION OR ELECTRICAL TAPE. THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA AND MATCH EXISTING INSTALLATION REQUIREMENTS.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMINATED PLASTIC. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY VALUE AND BRANCH CIRCUIT OR DISCONNECT IDENTIFICATION.
- ALL WIRING SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- RIGID NONMETALLIC CONDUIT (PVC SCHEDULE 40 OR PVC SCHEDULE 80) SHALL BE USED UNDERGROUND, DIRECT BURIED IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
- ALL CONDUIT RUN ABOVE GROUND OR EXPOSED SHALL BE LFMC, IMC OR RIGID FLEX.
- ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- LIQUID TIGHT FLEXIBLE METALLIC CONDUIT SHALL BE USED INDOORS AND OUTDOORS WHERE VIBRATION OCCURS OR FLEXIBILITY IS REQUIRED.
- CONDUIT AND TUBING FITTINGS SHALL BE threaded OR COMPRESSION TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NFPA 70, UL, ANSI/IEEE AND NEC.
- CABINETS, BOXES AND WIREWAYS SHALL MATCH THE EXISTING INSTALLATION WHERE POSSIBLE.
- PROVIDE NECESSARY LOGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
- THE SUBCONTRACTOR SHALL REVIEW AND DESIGN THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS SPECIFIED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE LATEST IFC, SPECIFIC LIGHTNING PROTECTION CODE AND GENERAL COMPLIANCE WITH TELLICORDA AND IIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
- ALL ELECTRICAL SYSTEMS INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER SYSTEMS SHALL BE BONDING TOGETHER AT OR BELOW GRADE BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- PERFORM IEEE FALL-OR-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION SIZED IN ACCORDANCE WITH THE NEC SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO THIS EQUIPMENT.
- EACH INDOOR ITS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MAINS GROUND BAR WITH SUPPLEMENTAL EQUIPMENT GROUND WIRE #8 OR LARGER.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- APPROVED ANTI-OXIDANT COMPOUNDS (E.G. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXPERIMENTALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
- SURFACES TO BE CONNECTED TO GROUND CONDUCTORS SHALL BE CLEANED TO A BRIGHT SURFACE AT ALL CONNECTIONS.
- EXTENDED GROUND CONNECTIONS SHALL BE MADE WITH COMPRESSION CONNECTORS WHICH ARE THEN BOLTED TO EQUIPMENT USING STAINLESS STEEL HARDWARE.
- INSTALLATION TORQUES SHALL BE PER MANUFACTURER'S REQUIREMENTS.
- DC POWER CABLES SHALL BE OVER-CORDED TO 200% FLEXIBLE CLASS B OR APPROVED EQUAL.
- PROVIDE SURROUNDING BONDS FOR ALL ELECTRICAL EQUIPMENT, FITTINGS, BOXES, PANELS, ETC., SUPPORT LUMBARS FROM UNDERSIDE OF STRUCTURE, CEILING, EQUIPMENT, ETC. TO BE BRACED TO WITHSTAND HORIZONTAL FORCES IN ACCORDANCE WITH STATE AND LOCAL CODE REQUIREMENTS. PROVIDE PRIOR ALIGNMENT AND LEVELING OF ALL DEVICES AND FITTINGS.
- CUTTING, PUNCHING, CHISELS, OPENINGS, PROVIDE LAYOUT IN ADVANCE TO ELIMINATE UNNECESSARY CUTTING OR DRILLING OF WALLS, FLOORS, CEILING, AND ROOF. ANY DAMAGE TO BUILDING STRUCTURE OR EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR, OBTAIN PERMISSION FROM THE ENGINEER BEFORE CORING.
- IF DRILLING HOLES INTO CONCRETE INSERTER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT BUSHES, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER THE CIRCUMSTANCES.
- LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND THEREFORE, MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA 3-PIVOT OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.
- PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH THE REQUIREMENTS OF THE C.B.C.

GROUNDING NOTES

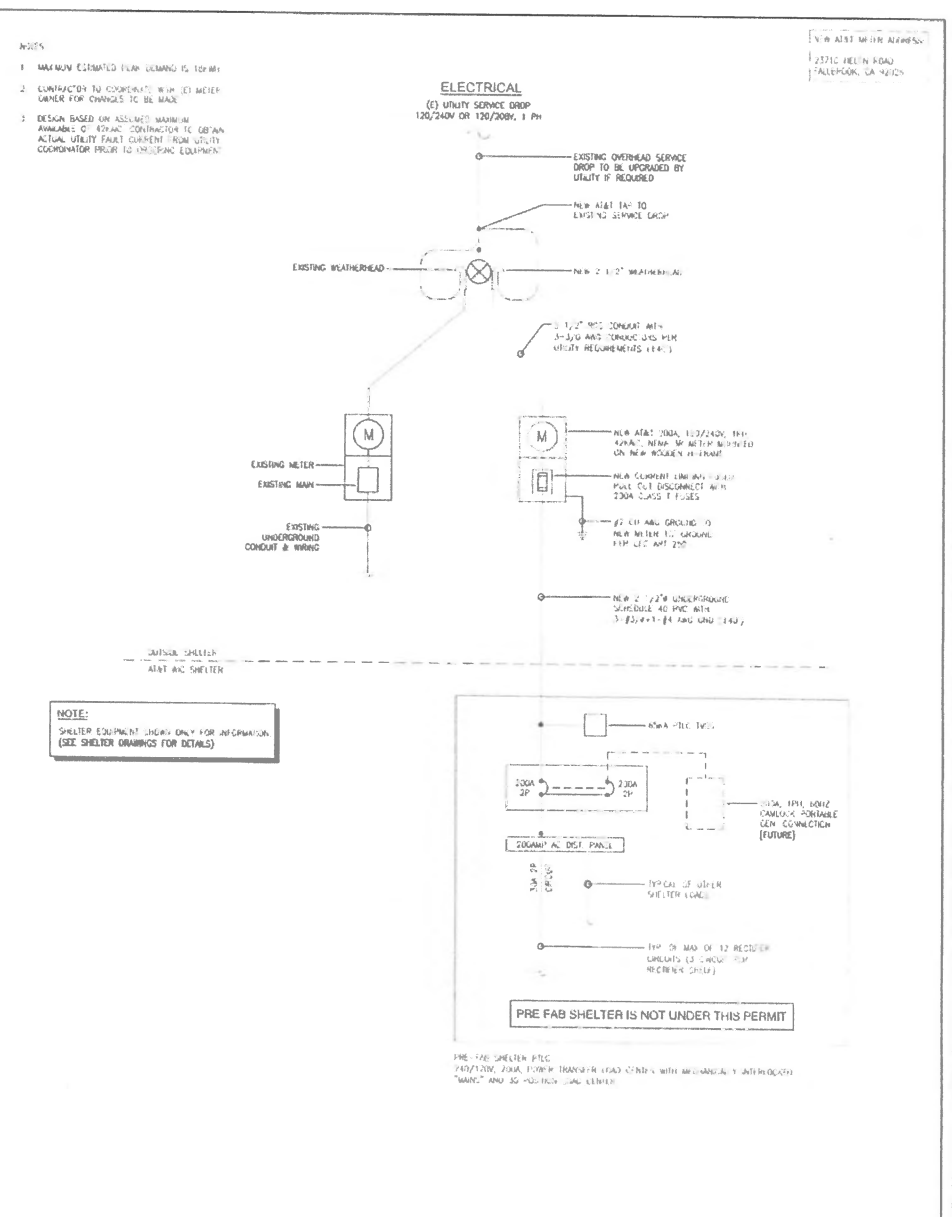
- ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS.
- ALL GROUNDING CONDUCTORS #2 AWG SOLID BARE THINNED COPPER WIRE UNLESS OTHERWISE NOTED.
- GROUND BAR LOCATED IN BASE OF EQUIPMENT WILL BE PROVIDED, FURNISHED AND INSTALLED BY THE MANUFACTURER.
- ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
- GROUND RING SHALL BE LOCATED A MINIMUM OF 24" BELOW GRADE OR 6" MINIMUM BELOW THE FIRST LANE.
- INSTALL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
- EXOTHERMIC WELD GROUND CONNECTION TO FENCE MUST TREAT WITH A COOL GALVANIZED SPRAY.
- GROUND BARS: EQUIPMENT GROUND BUS BAR (EGSB) LOCATED AT THE BOTTOM OF ANTENNA POLE/MAST FOR MAKING GROUNDING JUMPER CONNECTIONS TO COAX FEEDER CABLES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. JUMPERS (FURNISHED BY OWNERS) SHALL BE INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR.
- ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.
- OBSERVE N.E.C. AND LOCAL UTILITY REQUIREMENTS FOR ELECTRICAL SERVICE GROUNDING.
- GROUNDING ATTACHMENT TO TOWER SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS OR AT GROUNDING POINTS PROVIDED (2 MINIMUM).
- IF EQUIPMENT IS IN A C.I. ELEC. ENCLOSURE, GROUND ONLY CORNER POSTS AND SUPPORT POSTS OF GATE. 6" COPPER LUG IS USED, THEN GROUND LUG ALSO.
- GROUNDING AT PVC CABINET SHALL BE VERTICALLY INSTALLED.
- ALL GROUNDING FOR ANTENNAS SHALL BE CONNECTED TO THAT IT WILL BY-PASS MAIN BUS BAR.
- ALL ENT RUNS SHALL BE GROUNDING AND HAVE A BUSHING, NO PVC ABOVE GROUND.
- USE SEPARATE HOLES FOR GROUNDING AT BUS BAR NO "DOUBLE-UP" OF LUGS.
- POWER AND TELCO CABINETS SHALL BE GROUNDING (BONDED) TOGETHER.
- NO LUGS ALLOWED ON GROUNDING.
- PROVIDE STAINLESS STEEL CLAMP AND BRASS TAGS ON COAX AT ANTENNAS AND DISCONNECTS.
- ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AND LATEST LISTINGS, AND MANUFACTURER SPECIFICATION.
- IF THE AC PANEL IN THE POWER CABINET IS WIRING AS SERVICE ENTRANCE, THE AC SERVICE GROUND CONDUCTOR SHALL BE CONNECTED TO GROUND ELECTRODE SYSTEM. WHEN THE AC PANEL IN THE POWER CABINET IS CONSIDERED A SUB-PANEL, THE GROUND WIRE SHALL BE INSTALLED IN THE AC POWER CONDUIT. THE INSTALLATION SHALL BE PER LOCAL AND NATIONAL ELECTRIC CODE (NFPA-70).
- EXOTHERMIC WELDING IS RECOMMENDED FOR GROUNDING CONNECTIONS WHERE PRACTICAL. OTHERWISE, THE CONNECTION SHALL BE MADE USING COMPRESSION TYPE-2 HOLES, LONG BARREL LUGS OR DOUBLE CRAMP CLAMP "C" CLAMP. THE COPPER CABLES SHALL BE COATED WITH ANTI-OXIDANT (COPPER SHIELD) BEFORE MAKING THE CONNECTIONS. THE MANUFACTURER'S TOMBING RECOMMENDATIONS ON THE BOLT ASSEMBLY TO SECURE CONNECTIONS SHALL BE FOLLOWED.
- THE ANTENNA CABLES SHALL BE GROUNDING AT THE TOP AND BOTTOM OF THE VERTICAL RUN FOR LIGHTNING PROTECTION. THE ANTENNA CABLE SHIELD SHALL BE BONDED TO A COPPER GROUND BUS AT THE LOWER MOST POINT OF A VERTICAL RUN JUST BEFORE IT BEGINS TO BEAD TOWARD THE HORIZONTAL PLANE. WIRE RUNS TO GROUND SHALL BE KEPT AS STRAIGHT AND SHORT AS POSSIBLE. ANTENNA CABLE SHIELD SHALL BE GROUNDING JUST BEFORE ENTERING THE CELL CABINET. ANY ANTENNA CABLES OVER 200 FEET IN LENGTH SHALL ALSO BE EQUIPPED WITH ADDITIONAL GROUNDING AT MID-POINT.
- ALL GROUNDING CONDUCTORS INSIDE THE BUILDING SHALL BE RUN IN CONDUIT RACEWAY SYSTEM AND SHALL BE INSTALLED AS STRAIGHT AS PRACTICAL WITH MINOR BENDS TO AVOID OBSTRUCTIONS. THE BENDING RADIUS OF ANY #2 GROUNDING CONDUCTOR IS 6". PVC RACEWAY MAY BE FLEXIBLE OR RIGID FOR THE FIELD CONDITIONS. GROUNDING CONDUCTORS SHALL NOT MAKE CONTACT WITH ANY METALLIC CONDUITS, SURFACES OR EQUIPMENT.
- PROVIDE PVC SLEEVES WHERE GROUNDING CONDUCTORS PASS THROUGH THE BUILDING WALLS AND JOIN ISLANDS.
- INSTALL GROUND BUSHINGS ON ALL METALLIC CONDUITS AND BOND TO THE EQUIPMENT GROUND BUS IN THE PANEL BOARD.
- GROUND ANTENNA BUSES, FINNED, CABLE RACKS AND OTHER METALLIC COMPONENTS WITH #2 GROUNDING CONDUCTORS AND CONNECT TO INSULATED SURFACE MOUNTED GROUND BARS. CONNECTION DETAILS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS FOR GROUNDING.
- ALL PROPOSED GROUNDING CONDUCTORS SHALL BE ROUTED AND CONNECTED TO THE MAIN GROUND BAR OR EXISTING GROUND RING.

BONDING & GROUNDING:

#8 AWG SOLID COPPER INSULATED GROUND WIRE (#24" COILED IN TELCO SERVICE BOX) WITH BONDING CLAMPS IN PLACE. THE TELEPHONE GROUND MUST BE BONDED TO THE POWER GROUND. THE TELEPHONE SERVICE CABINET MUST BE BONDED TO THE TELEPHONE GROUND WIRE. ANY QUESTIONS REGARDING TELEPHONE GROUND SHOULD BE REFERRED TO THE INTERCONNECT ENGINEER.

SYMBOLS:

—G—	GROUNDING WIRE, DASHED LINE INDICATES UNDERGROUND	U	UTILITY METER
—E—	POWER LINE, DASHED LINE INDICATES UNDERGROUND	B	CIRCUIT BREAKER
—F—	TELEPHONE LINE, DASHED LINE INDICATES UNDERGROUND	F	FUSE
—A—	COAXIAL CABLE, DASHED LINE INDICATES UNDERGROUND	D	DUPLEX RECEPTACLE WITH GFCI IN WEATHERPROOF ENCLOSURE
⊕	DETAIL REFERENCE DETAIL NO. 2 ON SHEET E3	S	SWITCH OR - SWITCH LUG
⊕	GROUND ROD	M	MINIMUM MOTOR STARTER
⊕	GROUND ROD WITH ACCESS	C	CLAMP OR DOUBLE HOLE LUG TYPE GROUND CONNECTION
⊕	FUSED DISCONNECT SWITCH	X	EXOTHERMIC CONNECTION (CONNECTED TO GROUND RING AND COMPRESSION CONNECTION TO GROUND BAR)



NEW ASET METER ADDRESS:
2371 HELEN ROAD
FALLBROOK, CA 92028

ELECTRICAL
(E) UTILITY SERVICE DROP
120/240V OR 120/208V, 1 PH

NOTES:

- MAXIMUM ESTIMATED PLUMB WORKING IS 10 FEET
- CONTRACTOR TO COORDINATE WITH UTILITY OWNER FOR CHANGES TO BE MADE
- DESIGN BASED ON ASSUMED MINIMUM AVAILABLE 0.875" AC CONTRACTOR TO OBTAIN ACTUAL UTILITY PANEL QUANTITY FROM UTILITY COORDINATOR PRIOR TO ORDERING EQUIPMENT

NOTE:
SHELTER EQUIPMENT AREAS ONLY FOR INFORMATION (SEE SHELTER DRAWINGS FOR DETAILS)

PRE FAB SHELTER IS NOT UNDER THIS PERMIT



REV	DATE	DESCRIPTION
D	05/09/2018	100% CD'S FOR REVIEW
A	01/30/2019	BOX CD'S FOR REVIEW

ISSUED DATE: **MAY 29, 2018**

ISSUED FOR: **100% CD SET**

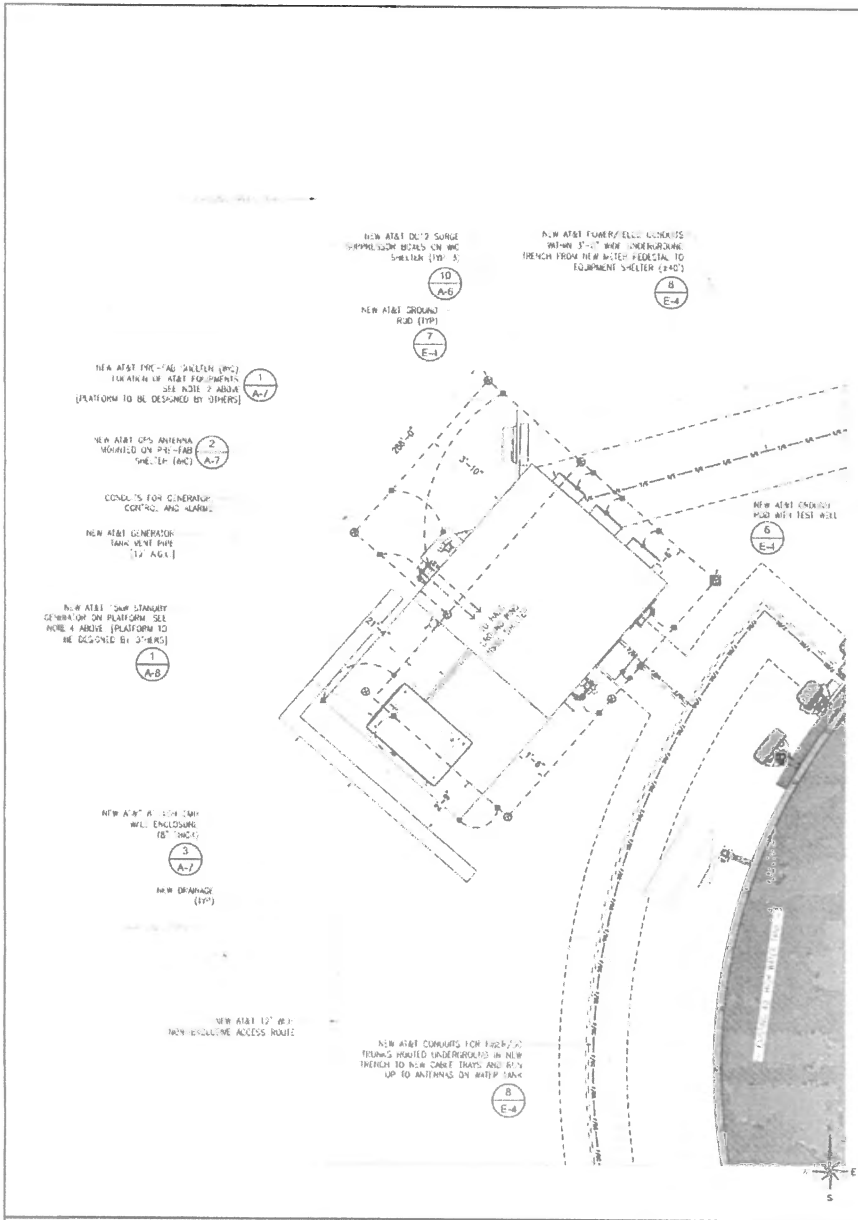


PROJECT INFORMATION:
CALO1603
DE LUZ
2371 HELEN ROAD
FALLBROOK, CA 92028

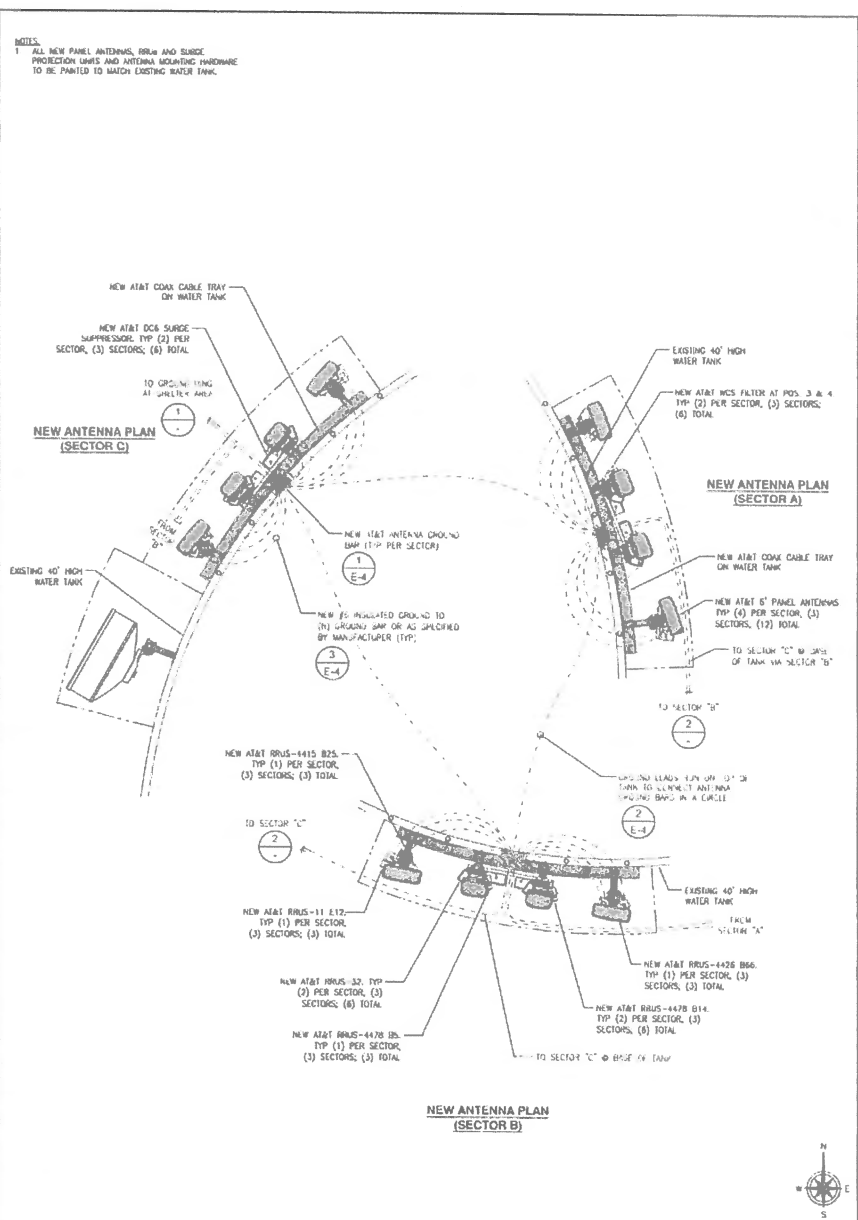
DRAWN BY: RED
CHECKED BY: HOO
SHEET TITLE: ELECTRICAL NOTES AND AC SINGLE LINE DIAGRAM
SHEET NUMBER: **E-2**

ELECTRICAL, GROUNDING AND BONDING NOTES 24"x36" SCALE: NTS 11"x17" SCALE: NTS **1**

AC SINGLE LINE DIAGRAM 24"x36" SCALE: NTS 11"x17" SCALE: NTS **2**




EQUIPMENT AREA GROUNDING PLAN 24"x36" SCALE: 3/8" = 1'-0" 11 5/16" SCALE: 3/16" = 1'-0" 1




ANTENNA AREA GROUNDING PLAN 24"x36" SCALE: 3/8" = 1'-0" 11 5/16" SCALE: 3/16" = 1'-0" 2


NOTES:
 1 ALL NEW PANEL ANTENNAS, DOWN AND SURGE PROTECTION UNITS AND ANTENNA MOUNTING HARDWARE TO BE PAINTED TO MATCH EXISTING WATER TANK.



5735 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121



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SAN DIEGO, CA 92131
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REV	DATE	DESCRIPTION
0	05/29/2018	100% CD'S FOR REVIEW
A	01/30/2018	80% CD'S FOR REVIEW

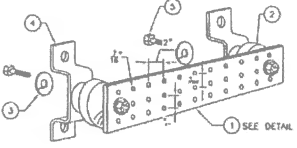
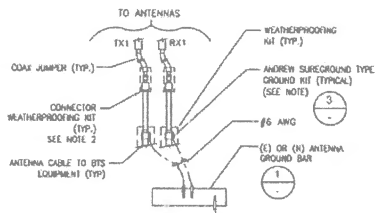
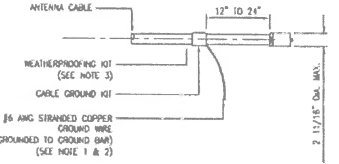
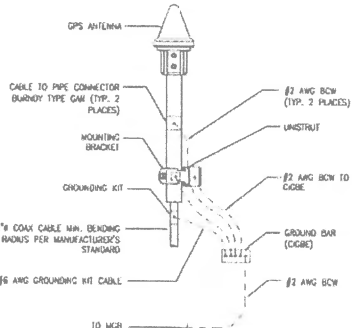
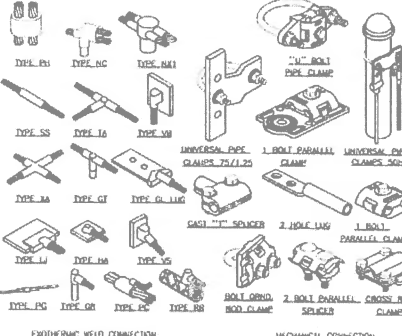
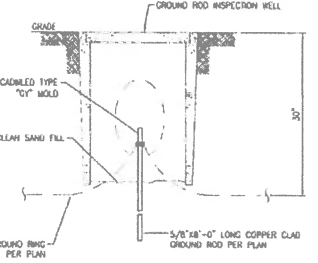
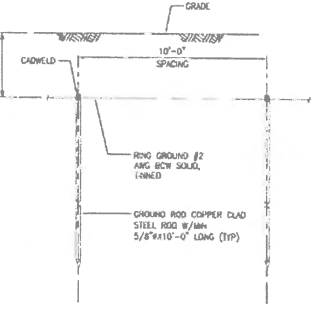
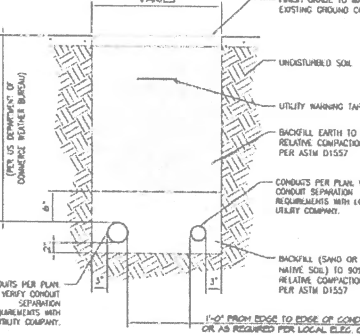
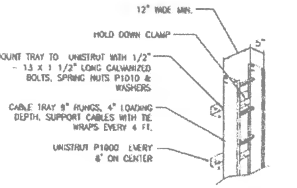
ISSUED DATE: **MAY 29, 2018**

ISSUED FOR: **100% CD SET**

LICENSEE: 

PROJECT INFORMATION:
CALO1603
DE LUZ
2371 HELEN ROAD
FALLBROOK, CA 92028

DRAWN BY: **RJD**
 CHECKED BY: **RCG**
 SHEET TITLE: **GROUNDING PLANS**
 SHEET NUMBER: **E-3**

 <p>REVISIONS:</p> <ol style="list-style-type: none"> 1. COPPER GROUND BAR, 1/4" x 4" x 20", NEWTON INSTRUMENT CO. CAT. NO. B-6142 OR EQUAL. HOLE CENTERS TO MATCH IEMA DOUBLE LUG CONFIGURATION. (ACTUAL GROUND BAR SIZE WILL VARY BASED ON NUMBER OF GROUND CONNECTIONS) 2. INSULATORS, NEWTON INSTRUMENT CO. CAT. NO. 3061-4 OR EQUAL. 3. 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8 OR EQUAL WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-8046 OR EQUAL. 4. 5/8"-11 x 1" HKCS BOLTS, NEWTON INSTRUMENT CO. CAT. NO. 3012-1 OR EQUAL. 5. INSULATORS SHALL BE ELIMINATED WHEN BONDING DIRECTLY TO TOWER/MONOPOLE STRUCTURE. CONNECTION TO TOWER/MONOPOLE STRUCTURE SHALL BE PER MANUFACTURER'S RECOMMENDATIONS. 	 <p>NOTES:</p> <ol style="list-style-type: none"> 1. DO NOT INSTALL CABLE GROUND KIT AT A WELD AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR. 2. WEATHER PROOFING SHALL BE ANCHOR TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED. 	 <p>NOTES:</p> <ol style="list-style-type: none"> 1. DO NOT INSTALL CABLE GROUND KIT AT A WELD AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR 2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER. 3. WEATHER PROOFING SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER. 	
<p>GROUNDING BAR DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1</p>	<p>CONN. OF GRD WIRE TO GRD BAR 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2</p>	<p>CONN. OF CABLE GRD KIT TO ANT. 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3</p>	<p>GPS ANTENNA GROUND DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4</p>
 <p>EXOTHERMIC WELD CONNECTION</p> <p>MECHANICAL CONNECTION</p>	 <p>NOTE: INSPECTION HOLE MAY BE CONCRETE OR PVC AND SHALL BE A MINIMUM OF 8" IN WIDTH/DIAMETER</p>		
<p>GROUNDING CONNECTIONS 24"x36" SCALE: NTS 11"x17" SCALE: NTS 5</p>	<p>GROUND ROD WITH TEST WELL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 6</p>	<p>GROUND ROD DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7</p>	<p>CONDUITS ON TRENCH DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8</p>
<p>NOTE:</p> <p>WHEN CABLE TRAY COVERS ARE SPECIFIED, THEY SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION PROCEDURES AND INSTRUCTIONS FOR "HIGH WIND CONDITIONS". THIS INCLUDES CONNECTOR TYPE AND SPACINGS.</p> 	<p>NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 10</p>	<p>NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 11</p>	<p>NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 12</p>
<p>VERTICAL CABLE TRAY DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 9</p>	<p>NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 10</p>	<p>NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 11</p>	<p>NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 12</p>



REV	DATE	DESCRIPTION
B	05/29/2018	100% CD SET FOR REVIEW
A	01/30/2018	80% CD SET FOR REVIEW

ISSUED DATE:
MAY 29, 2018

ISSUED FOR:
100% CD SET



PROJECT INFORMATION:
CAL01603
DE LUZ
2371 HELEN ROAD
FALLBROOK, CA 92028

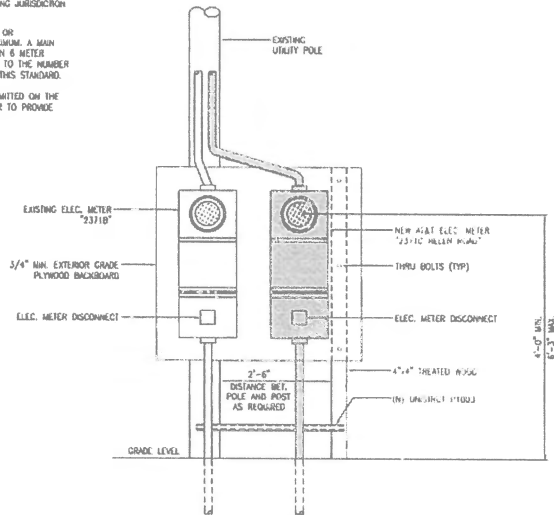
DRAWN BY: _____ RED
CHECKED BY: _____ RED

SHEET TITLE:
ELECTRICAL AND GROUNDING DETAILS

SHEET NUMBER:
E-4

NOTES:

1. A LINE CUTTER IS REQUIRED WHEN SERVING 4 OR MORE METERS. A SECOND PULLER FOR 2 METERS, OR A THIRD PULLER FOR 3 METERS MAY BE INSTALLED IN PLACE OF A LINE CUTTER. VERIFY METHOD OF INSTALLATION WITH THE SCHEME PLANNER AND THE AUTHORITY HAVING JURISDICTION PRIOR TO START OF CONSTRUCTION.
2. THIS APPLICATION IS LIMITED TO A SINGLE OR THREPHASE SERVICE, 600 AMPERES MAXIMUM. A MAIN SWITCH IS REQUIRED AHEAD OF MORE THAN 8 METER SERVICE DISCONNECTS. THERE IS NO LIMIT TO THE NUMBER OF METERS THAT CAN BE INSTALLED PER THIS STANDARD.
3. NO RISERS, WIRES, OR EQUIPMENT IS PERMITTED ON THE REAR HALF OF THE METER POLE IN ORDER TO PROVIDE THE LEGALLY REQUIRED CLEARING SPACE.



NOTE:
CONSTRUCT AS TO CLARIFY WITH
SPECIAL SERVICE STANDARD 2001

METERING AREA DETAIL

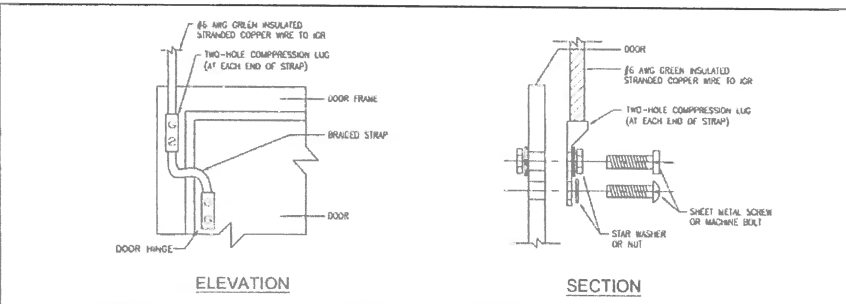
24"x36" SCALE: 3/4" = 1'-0"
11"x17" SCALE: 3/8" = 1'-0"



1

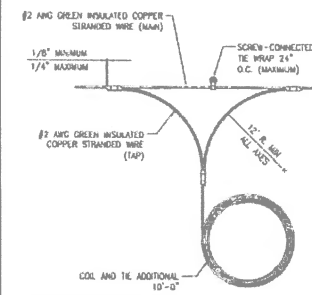
NOT USED

4



(TYP) DOOR GROUNDING STRAP

24"x36" SCALE: NTS
11"x17" SCALE: NTS 2



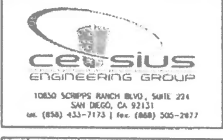
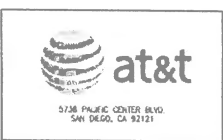
- NOTES:
1. HALO GROUND SHALL BE #2 AWG STRANDED GREEN COPPER WIRE.
 2. VERTICAL DROPS SHALL BE #2 AWG STRANDED GREEN COPPER WIRE.
 3. ALL BEND SHALL MAINTAIN A MINIMUM 6" BEND RADIUS.
 4. APPLY ANTI-OXIDATION COMPOUND TO ALL CONNECTIONS.
 5. 1 1/2" SCH. 40 PVC CAST AT A 45° ANGLE.
 6. ALL GROUNDING WIRES FOR HVAC GRILLS, BOXES, DOORS, CABLE TRAYS, ETC., SHALL BE #6 AWG GREEN STRANDED COPPER WIRE AND A 2-HOLE LUG.
 7. BARE COPPER CONDUCTORS SHALL NOT BE IN CONTACT WITH ANY DISSIMILAR MATERIAL. PLACE ON STANDOFFS IF NECESSARY TO ALLOW FOR PROPER INSTALLATION.
 8. ALL GROUNDING CONDUCTORS SHALL BE KEPT AS SHORT AS POSSIBLE. THE SHORTEST PRACTICAL ROUTE SHALL BE CHOSEN WITH THE LEAST AMOUNT OF BENDS AND SPICES. USE THIS RULE AT ALL TIMES, EVEN IF ELEVATION PLAN CONFLICTS. PLANS ARE SOMETIMES UNCLEAR DUE TO SCALE.
 9. ALL CONNECTIONS TO GROUND BARS SHALL BE WITH A 2-HOLE LUG, UNO.
 10. ALL SOLID WIRE SHALL USE A 2-HOLE LONG-BARREL LUG.
 11. WHEN GROUNDING MORE THAN ONE PIECE OF EQUIPMENT, DO NOT USE THE EQUIPMENT AS A GROUNDING CONDUCTOR. DOUBLE STACKING OF LUGS SHALL BE USED TO GET FROM EQUIPMENT TO EQUIPMENT.
 12. REMOVE ALL PAINT BENEATH THE SURFACE OF GROUND LUGS.
 13. INSTALL CONDUIT CAP IN 1" DROP AT CABLE TRAY TO AVOID CONTACT WITH CABLE TRAY.
 14. ALL GROUND WIRES CONNECTING TO THE HALO SHALL CONNECT IN THE SHORTEST DIRECTION TO THE MAIN GROUND BAR.
 15. INSTALL GROUND BAR UNDER INSTALLED COIL. ALL WIRING AT GROUND BAR IS TYPICAL FOR ALL LOCATIONS.

HALO GROUND AND NOTES

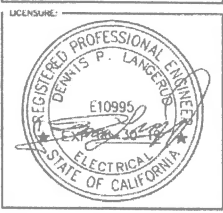
3

NOT USED

5



REV	DATE	DESCRIPTION
B	05/29/2018	100% CD'S FOR REVIEW
A	01/20/2018	90% CD'S FOR REVIEW
ISSUED DATE:	MAY 29, 2018	
ISSUED FOR:	100% CD SET	



PROJECT INFORMATION:
CAL01603
DE LUZ
2371 HELEN ROAD
FALLBROOK, CA 92028

DRAWN BY: RED
CHECKED BY: KGC

SHEET TITLE:
ELECTRICAL AND GROUNDING DETAILS

SHEET NUMBER:
E-5

EXHIBIT "E"

MEMORANDUM OF LICENSE AGREEMENT

THIS MEMORANDUM OF LICENSE AGREEMENT ("Memorandum") is executed as of _____, 2018, by and between **FALLBROOK PUBLIC UTILITY DISTRICT**, a California Public Utility District operating under the Public Utility District Act (Public Utilities Code Section 15501, et seq.), successor in interest and who acquired title as DeLuz Heights Municipal Water District ("Licensor"), and **New Cingular Wireless PCS, LLC, a Delaware limited liability company** ("Licensee").

RECITALS

WHEREAS, Licensor and Licensee have executed that certain Communications Site License Agreement ("Agreement") dated as of _____, 2018, covering certain premises ("Premises") situated on certain real property located in the County of San Diego, State of California (the "Property", more particularly described in Exhibit "1" attached hereto and incorporated herein by this reference); and

WHEREAS, Licensor and Licensee desire to record notice of the Agreement in the Official Records of San Diego County, California;

NOW, THEREFORE, in consideration of the foregoing, Licensor and Licensee hereby declare as follows:

1. Demise. Licensor has entered into a license of the Premises with Licensee (together with access rights), subject to the terms, covenants and conditions contained in the Agreement.

2. Expiration Date. The term of the Agreement ("Term") is scheduled to commence on or before _____, and shall expire five (5) years thereafter, subject to Licensee's option to extend the Term for three (3) additional five (5) year periods pursuant to Section 4 of the Agreement.

3. Agreement Controlling. This Memorandum is solely for the purpose of giving constructive notice of the Agreement. In the event of conflict between the terms of the Agreement and this Memorandum, the terms of the Agreement shall control.

[Signatures located on the following page.]

IN WITNESS WHEREOF, Licensor and Licensee have executed this Memorandum as of the date and year first written above.

LICENSOR:

FALLBROOK PUBLIC UTILITY DISTRICT, a California Public Utility District operating under the Public Utility District Act (Public Utilities Code Section 15501, et seq.), successor in interest and who acquired title as DeLuz Heights Municipal Water District

By: _____
Name: _____
Its: _____
Date: _____

LICENSEE:

New Cingular Wireless PCS, LLC, a Delaware limited liability company

By: AT&T Mobility Corporation
Its: Manager

By: _____
Name: _____
Its: _____
Date: _____

EXHIBIT "1"

DESCRIPTION OF THE PROPERTY

All that certain real property situated in the County of San Diego, State of California, described as follows:

THOSE PORTIONS OF THE NORTHEAST QUARTER OF SECTION 33, TOWNSHIP 8 SOUTH, RANGE 4 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO OFFICIAL PLAT THEREOF, DESCRIBED AS FOLLOWS:

PARCEL A:

COMMENCING AT THE MOST NORTHERLY CORNER OF PARCEL 1 OF [PARCEL MAP NO. 2903](#), RECORDED IN THE OFFICE OF THE REORDER OF SAID SAN DIEGO COUNTY, AUGUST 1, 1974;

THENCE ALONG THE BOUNDARY OF SAID PARCEL 1, SOUTH 0°18'10" EAST, 422.58 FEET TO A POINT ON THE CENTER LINE OF THAT 60 FOOT STRIP THROUGH SAID PARCEL 1, SHOWN AND DELINEATED AS "EXISTING PRIVATE 60' ROAD AND UTILITY EASEMENT PER [DOCUMENT NO. 108174](#), JUNE 22, 1970", SAID POINT BEING ON A 100.03 FOOT RADIUS CURVE CONCAVE NORTHERLY, THE RADIAL LINE TO SAID POINT BEARS SOUTH 22°56'01" WEST;

THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 4°42'53", A DISTANCE OF 8.23 FEET TO POINT "A" OF THIS DESCRIPTION;

THENCE SOUTH 48°25'45" WEST, 89.54 FEET TO THE BEGINNING OF A TANGENT 200.05 FOOT RADIUS CURVE CONCAVE SOUTHEASTERLY;

THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 12°48'35", A DISTANCE OF 44.73 FEET;

THENCE TANGENT TO SAID CURVE, SOUTH 35°37'10" WEST, 72.26 FEET TO THE BEGINNING OF A TANGENT 100.03 FOOT RADIUS CURVE CONCAVE NORTHWESTERLY;

THENCE SOUTHWESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 42°41'39", A DISTANCE OF 24.54 FEET;

THENCE TANGENT TO SAID CURVE, SOUTH 78°18'49" WEST, 79.10 FEET TO THE BEGINNING OF A TANGENT 30.01 FOOT RADIUS CURVE CONCAVE SOUTHEASTERLY;

THENCE SOUTHEASTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 70°22'40", A DISTANCE OF 36.86 FEET;

THENCE SOUTH 7°56'09" WEST, 38.11 FEET TO THE TRUE POINT OF BEGINNING;

THENCE NORTH 83°38'41" WEST, 22.97 FEET TO THE BEGINNING OF A TANGENT 175.05 FOOT RADIUS CURVE CONCAVE SOUTHERLY;

THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 8°25'00", A DISTANCE OF 25.71 FEET TO POINT "B" OF THIS DESCRIPTION;

THENCE SOUTH 14°38'49" WEST, 190.37 FEET;

THENCE SOUTH 66°22'20" EAST, 173.55 FEET;

THENCE NORTH 30°13'49" EAST, 185.13 FEET;

THENCE NORTH 58°31'13" WEST, 170.77 FEET TO A LINE WHICH BEARS SOUTH 83°38'41" EAST, FROM THE TRUE POINT OF BEGINNING;

THENCE NORTH 83°38'41" WEST, 10.00 FEET TO THE TRUE POINT OF BEGINNING.

PARCEL B:

AN EASEMENT AND RIGHT-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCE THERETO, OVER, UNDER, ALONG AND ACROSS A STRIP OF LAND 20 FEET IN WIDTH, THE CENTER LINE POINT "A" AND POINT "B".

EXCEPTING THEREFROM THAT PORTION LYING WITHIN SAID PARCEL A.

EXCEPTING ALSO THEREFROM THAT PORTION LYING WITHIN THE HEREINABOVE MENTIONED 60 FOOT EASEMENT.

PARCEL C:

AN EASEMENT AND RIGHT-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCES THERETO, OVER, UNDER, ALONG AND ACROSS A STRIP OF LAND 20 FEET IN WIDTH, THE CENTER LINE OF SAID STRIP BEING DESCRIBED AS FOLLOWS:

BEGINNING AT POINT "B" DESIGNATED IN PARCEL A ABOVE, SAID POINT BEING ON A 175.05 FOOT RADIUS CURVE CONCAVE SOUTHERLY, THE RADIAL LINE TO SAID POINT BEARS NORTH 2°03'41" WEST;
THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 15°40'10", A DISTANCE OF 47.87 FEET TO THE BEGINNING OF A 183.34 FOOT RADIUS REVERSE CURVE CONCAVE NORTHERLY; THENCE WESTERLY ALONG SAID CURVE THROUGH AN ANGLE OF 42°24'30", A DISTANCE OF 135.70 FEET;
THENCE TANGENT TO SAID CURVE, NORTH 65°19'21" WEST, 178.29 FEET TO AN INTERSECTION WITH THE CENTER LINE OF THAT 60 FOOT EASEMENT MENTIONED IN PARCEL A ABOVE.

EXCEPTING THEREFROM THAT PORTION LYING WITHIN SAID 60 FOOT EASEMENT.

PARCEL D:

AN EASEMENT AND RIGHT-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCES THERETO, OVER, UNDER, ALONG AND ACROSS THAT 60 FOOT STRIP DESCRIBED IN DEED TO HELEN DAILY, RECORDED JUNE 22, 1970 AS [INSTRUMENT NO. 108174](#) OF OFFICIAL RECORDS.

PARCEL E:

EASEMENTS AND RIGHTS-OF-WAY, TOGETHER WITH THE RIGHT TO CONVEY SAME TO OTHERS, FOR ROAD, SEWER, WATER, GAS, POWER AND TELEPHONE LINES, TELEVISION CABLE AND APPURTENANCES THERETO, OVER, UNDER, ALONG AND ACROSS THOSE STRIPS OF LAND DESCRIBED IN PARCELS 3, 4, 5 AND 6 OF DEED TO JOAN ROSE, RECORDED MARCH 7, 1973 AS [INSTRUMENT NO. 73-059989](#) OF OFFICIAL RECORDS.

[APN: 101-370-66](#)

M E M O

TO: Board of Directors
FROM: Kevin Collins, Purchasing/Warehouse Supervisor *KC.*
DATE: July 23, 2018
SUBJECT: Construction Services for Roof Repair and Replacement at the Wastewater Reclamation Plant

Purpose

To present to the Board for approval of award to TWM Roofing, Inc. to provide Construction Services for Roof Repair and Replacement at the Wastewater Reclamation Plant (WRP) for an amount of \$69,759.

Summary

WRP buildings, including the main office, chlorine, MCC-C, and MCC-D were last remodeled in 1987. As is typical with commercial buildings that are over 30 years old, repairs are becoming more frequent to ensure proper operation of critical plant components.

Despite attempts at patches, the four buildings listed above have significant roof leaks that may result in significant repair costs due to water intrusion and are at the end of their useful life expectancy.

On May 23, 2018, a Request for Proposals (RFP) was issued on the Fallbrook Public Utility District (FPUD) website; additionally, the RFP was emailed to seven (7) roofing vendors around San Diego County. An optional site walk was conducted on June 15, 2018, with a public bid opening on June 26, 2018. Three bids were received: (1) Best Contracting (\$214,000), (2) C&I Roofing (\$98,629), and (3) TWM Roofing, Inc. (\$69,759). All documents were confirmed to be received correctly, and no bidders were disqualified.

Recommended Action

That the Board authorize award of Construction Services for Roof Repair and Replacement at the Wastewater Reclamation Plant to TWM Roofing, Inc. for an amount of \$69,759 to resolve existing roof leaks and prevent water damage.

M E M O

TO: Board of Directors
FROM: Lisa Chaffin, Human Resources Manager
DATE: July 23, 2018
SUBJECT: One-Year Extension of the Memorandums of Understanding (MOUs)

Purpose

To finalize the one-year extension of each MOU.

Summary

As reported out on the June 19, 2018 closed-session meeting item VI.1 (Conference with Labor Negotiators), on motion of Vice-President McDougal, seconded by Director DeMeo, the Board unanimously approved a one-year extension to both of the MOUs with FMEA and FPUDEA with a 0% Cost of Living Adjustment (for Fiscal Year 2018-19).

Recommended Action

It is recommended that the Board President sign each of the MOU extension agreements, which provides for a year extension of existing MOUs with no cost of living increase.

RESOLUTION NO. 4939

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
FALLBROOK PUBLIC UTILITY DISTRICT AMENDING THE
ADMINISTRATIVE CODE – ARTICLE 11, PERSONNEL REGULATIONS**

* * * * *

WHEREAS, on June 22, 2015, the Board of Directors of the Fallbrook Public Utility District (Board) adopted Memorandums of Understanding with the Fallbrook Public Utility District Employees' Association (FPUDEA) and the Fallbrook Management Employees' Association (FMEA) for wages and benefits, for a period of three years, effective July 1, 2015 through June 30, 2018; and

WHEREAS, on June 19, 2018, the Board unanimously approved one-year extensions to the MOUs, with a 0% Cost of Living Adjustment, through June 30, 2019.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Fallbrook Public Utility District that Administrative Code - Article 11, Personnel Regulations, shall be amended, as follows:

1. To adopt and incorporate the terms of the proposed "Extension of Existing Memorandum of Understanding" with FPUDEA and the proposed "Extension of Existing Memorandum of Understanding" between FMEA, with 0% Cost of Living Adjustments and one-year extensions, as shown in Attachment "A" attached hereto and incorporated herein.
2. The remaining provisions of Article 11 are unaffected and reconfirmed hereby.

PASSED AND ADOPTED by the Board of Directors of the Fallbrook Public Utility District at a regular meeting of the Board held on the 23rd day of July, 2018, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

President, Board of Directors

ATTEST:

Secretary, Board of Directors

EXTENSION OF EXISTING MEMORANDUM OF UNDERSTANDING

as between

FALLBROOK PUBLIC UTILITY DISTRICT

and

FALLBROOK PUBLIC UTILITY DISTRICT EMPLOYEES' ASSOCIATION.

- 1) Term – This Extension of existing Memorandum of Understanding is entered into by Fallbrook Public Utility District (“FPUD”) and Fallbrook Public Utility District Employees’ Association (“FPUDEA”), as a mutual recommendation to the Board of Directors of FPUD of those wages, hours and conditions of employment which are to be in effect during the period 12:01 a.m. on July 1, 2018, through 12:00 p.m. on June 30, 2019, for those employees working in non-exempt classifications.

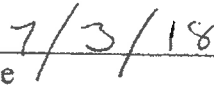
- 2) The parties agree there are no changes to any formulae, terms and conditions detailed in the Memorandum of Understanding, dated July 1, 2015 through June 30, 2018, incorporated by reference, unless specifically provided for hereinabove.

FPUD Board of Directors



FPUDEA

Date



Date

EXTENSION OF EXISTING MEMORANDUM OF UNDERSTANDING

BETWEEN

FALLBROOK PUBLIC UTILITY DISTRICT

AND


FALLBROOK MANAGEMENT EMPLOYEES' ASSOCIATION

It is hereby agreed by and between the parties, Fallbrook Public Utility District (FPUD) and Fallbrook Management Employees' Association (FMEA) that the memorandum of understanding (MOU) by and between the parties shall be extended one year, for a new contract term of July 1, 2018 to June 30, 2019, under the following terms and conditions:

1. The parties understand and agree that neither party shall propose or be obligated to increase wages for the contract term.
2. The parties agree that they shall meet for purposes of negotiating a successor MOU, with specific dates and times of such negotiations to be mutually agreed upon.
3. The parties further agree that all other terms and conditions of employment set forth in the MOU shall remain in full force and effect through June 30, 2019.

President Gebhart
FPUD Board of Directors

Dated



Jason Cavender
FMEA

7/12/18

Dated

M E M O

TO: Board of Directors
FROM: Fiscal Policy and Insurance (FP&I) Committee
DATE: July 23, 2018
SUBJECT: Consider Amendment of Article 27, Investment Policy and Adoption of Resolution 4940

Purpose

Update the District's Investment Policy to reflect recent changes in the Treasurer's Report format.

Summary

The FP&I Committee has been working with staff to modify the monthly Treasurer's Report to make it more transparent and complete. After several meetings with staff and with the investment manager, the Treasurer's Report format and content were modified. As a result of these changes, the District's Administrative Code needs to be updated to reflect the new format of the Treasurer's report. The recommended changes to the Administrative Code are shown in the attached Article 27. The changes align the Administrative Code with the new Treasurer's Report format and ensure all legal reporting requirements are met. Going forward, the quarterly investment report will not only ensure that the Board is kept current on the District's investment holdings and performance but also the District's liquidity and ability to meet its funding needs over the next six months.

Recommended Action

That the Board adopt Resolution No. 4940 amending Article 27 of the Administrative Code to update the Treasurer's Report format and ensure all legal reporting requirements are met.

RESOLUTION NO. 4940

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
FALLBROOK PUBLIC UTILITY DISTRICT AMENDING
ADMINISTRATIVE CODE ARTICLE 27, INVESTMENT POLICY

* * * * *

WHEREAS, the Fiscal Policy & Insurance Committee has met with staff and the Investment Manager on modifications to the Treasurer's Report to make it more transparent and complete; and

WHEREAS, Article 27 of the Administrative Code requires amendments to section 27.6 to incorporate those modifications to reflect the new Treasurer's Report format and to ensure all legal reporting requirements are met.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Fallbrook Public Utility District as follows:

1. Article 27.6, Reporting Requirements, shall be amended with the proposed revisions as shown on Attachment "A" and are incorporated herein.
2. The remaining provisions of Article 27 are unaffected and reconfirmed hereby.

PASSED AND ADOPTED by the Board of Directors of the Fallbrook Public Utility District at a regular meeting of the Board held on the 23rd day of July, 2018, by the following vote:

AYES:
NOES:
ABSTAIN:
ABSENT:

President, Board of Directors

ATTEST:

Secretary, Board of Directors

Attachment “A”

Bank for Reconstruction and Development, International Finance Corporation, or Inter-American Development Bank.

Maximum Maturity: The maximum maturity of an issue shall be the current 5 year issue or an issue which at the time of the investment has a term remaining to maturity not in excess of five (5) years.

Maximum Exposure of Portfolio: The maximum exposure to the portfolio for this category is 30%.

Minimum Credit Requirements: Rated in a rating category of "AA", the equivalent or higher by a NRSRO.

Approval: Investments in supranational securities may only be made with prior approval of the Fiscal Policy and Insurance Committee.

Sec. 27.5 Maturity/Limit of Investments.

With the exception of U.S. Treasury and Federal Agency securities, the maturity of a give investment will not exceed five (5) years, without prior board approval per Section 27.2.4.

Sec. 27.6 Reporting Requirements.

~~The Treasurer shall prepare a quarterly investment report to the Board of Directors that provides an overview of the District's investments and lists the investment transactions for the period. The report shall also (1) state the compliance of the portfolio with the statement of investment policy, or the manner in which the portfolio is not in compliance, and (2) the report shall include a statement denoting the ability of the District to meet its expenditure requirements for the next six months, or provide an explanation as to why sufficient money shall, or may, not be available. The Treasurer may shall also provide the Board a summary report of investments on a monthly basis. The Treasurer shall prepare an investment report monthly and provide it to the Board of Directors. The report will include language incorporated from AB 564 (Johnston-Stoekton), adopted by the Legislature, which requires that a local agency's Treasurer report to their governing body on a monthly or quarterly basis and provide specified information on their investment activities, including type of investment, issuer, date of maturity, par and dollar amount invested, current market value and the source of such valuation and rate of interest.~~

~~The report shall additionally include a description of contracted parties (including the lending programs), if any. The report shall also state its compliance of the portfolio with the statement of investment policy, or the manner in which the portfolio is not in compliance.~~

A subsidiary ledger of investments may be used in the report in accordance with accepted accounting practices.

1. MWD Issues

On June 28th SDCWA held a second special workshop to discuss the on-going relationship with MWD. The workshop included both open session discussion on policy and closed session discussion on the litigation. From the open session discussions some of the key outcomes were:

- Efforts to reach a settlement on the outstanding litigation continues, but not progress has been made.
- MWD and SDCWA still have significant disagreements on allocation of costs and there has been no progress on finding a middle ground.
- The most optimistic solution would be if MWD was open to renegotiating the wheeling agreement for water SDCWA buys from Imperial Irrigation District and wheels through MWD. The allocation of MWD costs to this water is what drives the on-going conflicts.
- SDCWA still is concerned about the impact of the proposed 11.8 billion Bay Delta project on water costs specifically how it will be allocated to this wheeled water and who is paying for the Central Valley Project share. MWD voted to fully fund the entire project in April and revoted in July to confirm this decision. Both SDCWA and the City of Los Angeles delegations voted against it.
- SDCWA is working to revise its Bay-Delta policy to change it to a position of supporting the concept of the two tunnel project, but only if the costs are allocated appropriately.

2. Rates

SDCWA has passed the proposed rates for CY 2019 and the proposed increases in variable and fixed charges is lower than previous years. MWD costs are increasing around 3-4%, but due to MWD blend of supplies and use of reserves the rate increase by SDCWA will be about 1% for treated and 3% for untreated water.

3. Water Supply Conditions

The Colorado River basin remains in a severe drought. Lake Mead is at historically low levels and is within a couple of feet of a declaration of a shortage condition. The parties are working to address this given the legal complexity the declaration would cause. Given the senior rights held to the river for SDCWA supplies there is not as much concern related to a reduction of deliveries to SDCWA as the impacts to their states and long-term complications of a continuing decline in water levels. SDCWA is working to help develop solutions to address the shortage conditions.

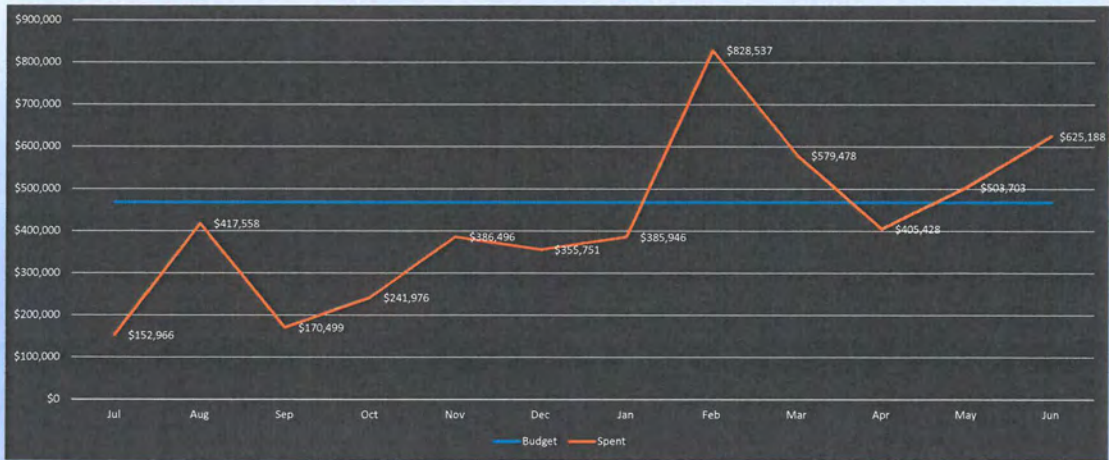


Fallbrook Public Utility District

Engineering and Operations

Board Meeting June 2018

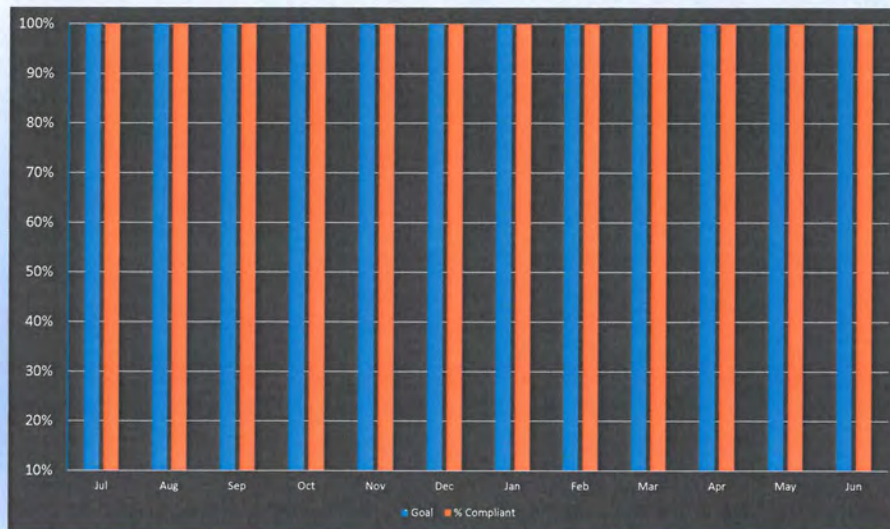
Water System CIP YTD



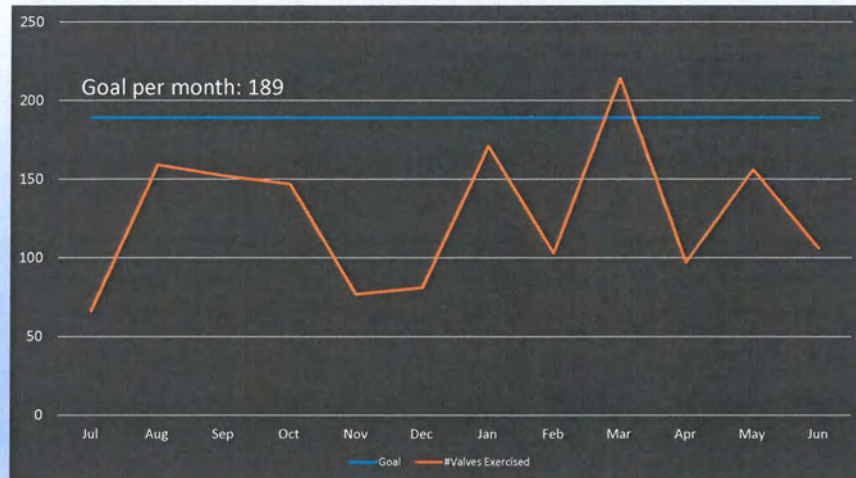
Wastewater System CIP YTD



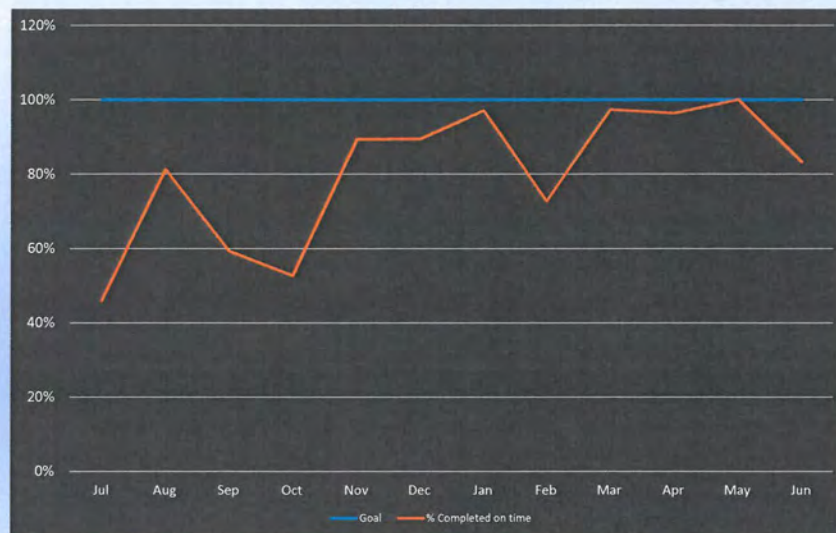
Water System Regulatory Compliance(%)



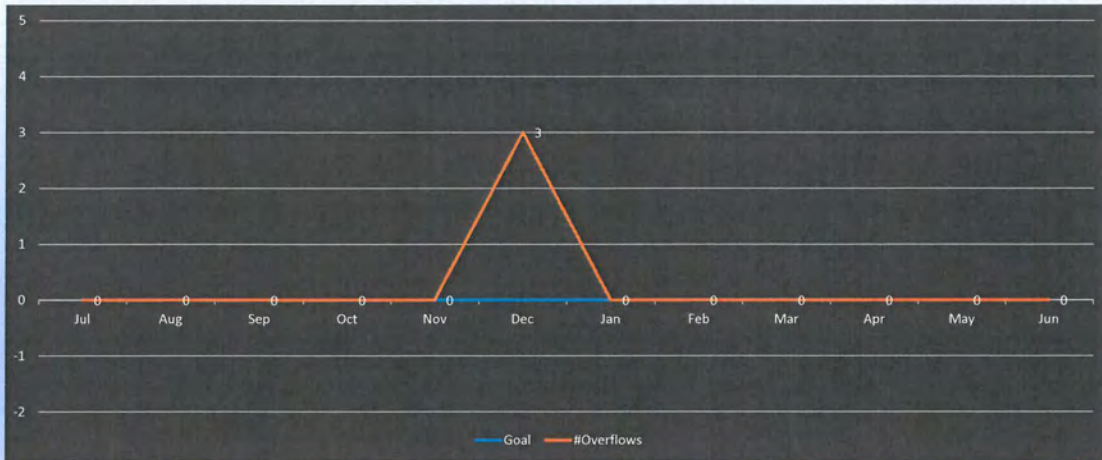
Valve Exercise Program



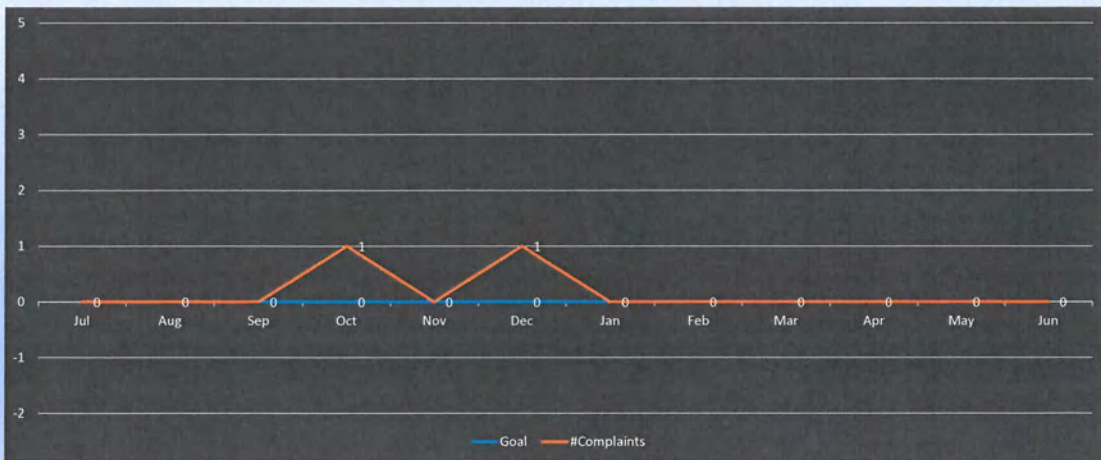
Water System Preventative Maintenance Work Orders



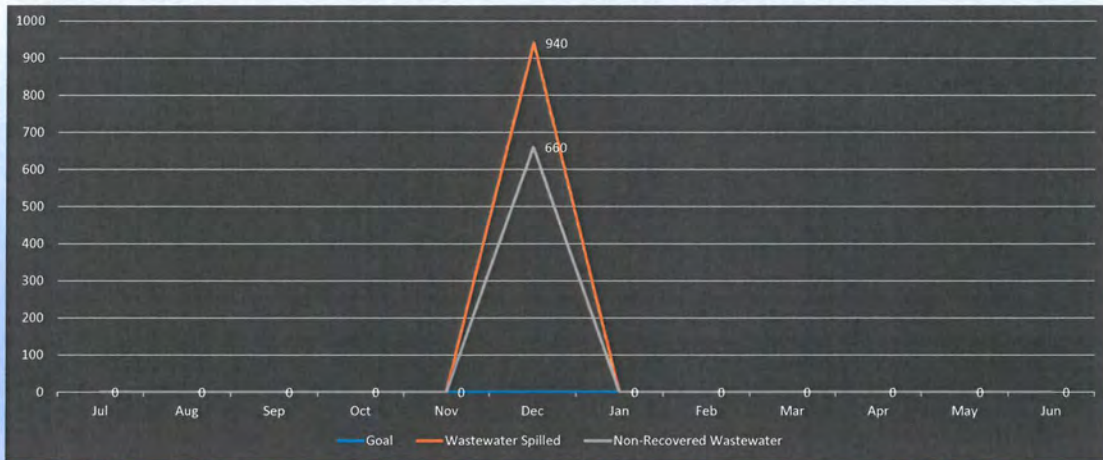
Sewer Overflows



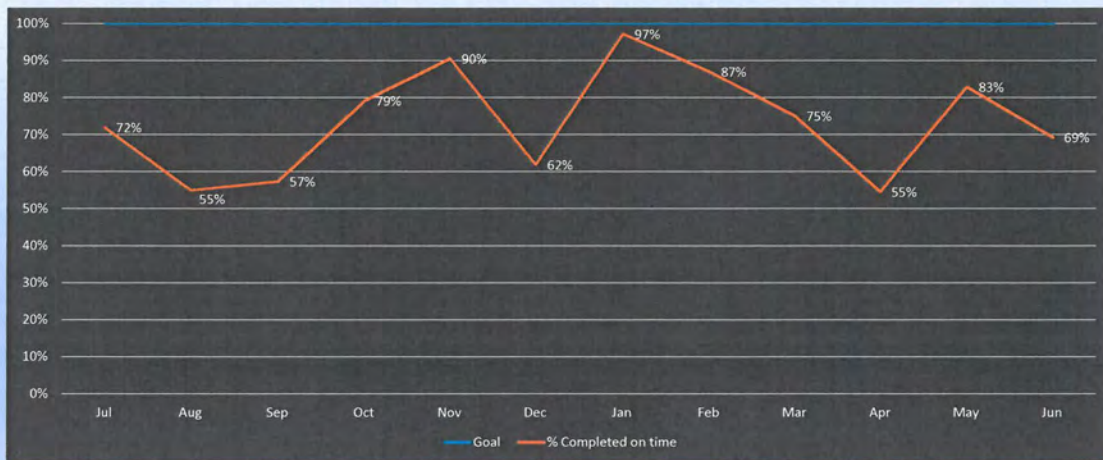
Odor Complaints



Wastewater Spilled



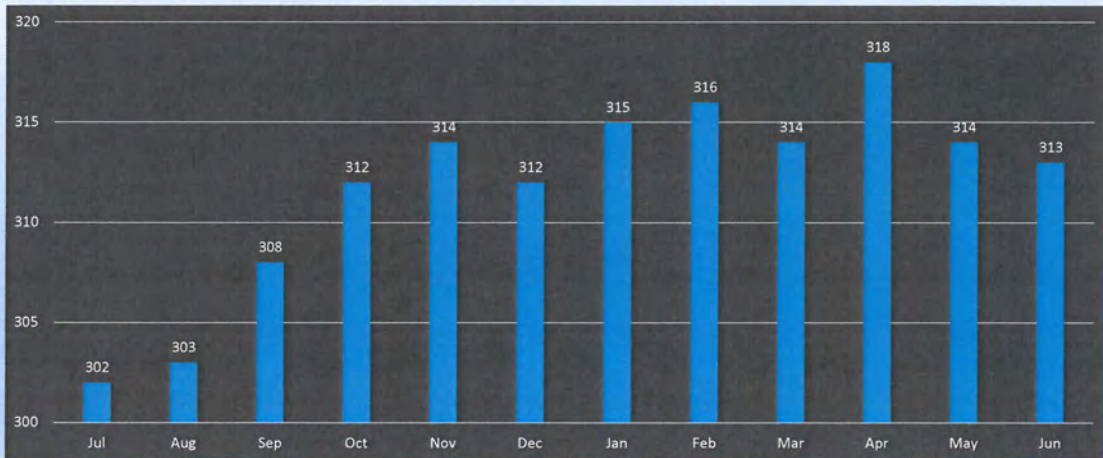
Collections - Preventative Maintenance Work Orders



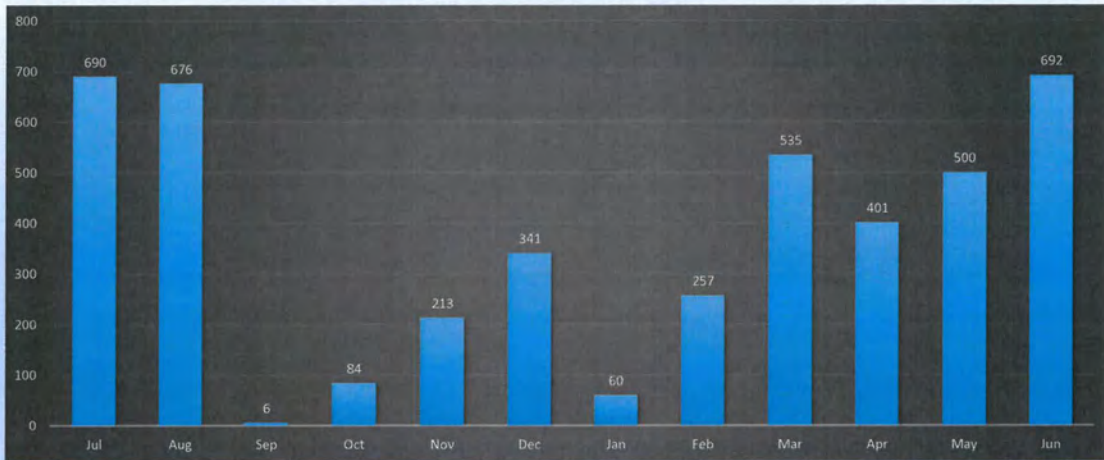
Valves Replaced



Rolling Total Broken Valves



Planned Outages > 4 Hours # of Customers Affected



Unplanned Disruption > 4 Hours



Meter Exchange

Total # Meters to Exchange: 1772

Total # Meters Exchanged: 1868

Meters Left to Exchange: -96



MEMO

TO: Board of Directors
FROM: David Shank, Assistant General Manager/CFO
DATE: July 23, 2018
SUBJECT: Treasurer's Report

Purpose

Provide the June 30, 2018 Treasurer's Report. Confirm that the District's investment portfolio is in compliance with the Investment Policy and that the District is able to meet the expenditure requirements for the next 6-months. Because the year-end process is not yet completed, these balances are subject to change.

Summary

Treasurer's Report June 30, 2018 - Preliminary Year-End Balances

Operations Summary

Disbursements	\$ 2,816,159
Receipts	\$ 2,816,671
Net change	\$ 511

Account	Begning Market Value	Ending Market Value	Change in Market Value	(Withdrawals) /Deposits	Yield	Percent of Total Investments
Operating Fund	\$ 18,986	\$ 19,498	\$ 511		0.4%	0.1%
Money Market	\$ 1,992,676	\$ 1,879,110	\$ (113,566)		0.4%	11.3%
LAIF	\$ 226,523	\$ 226,523	\$ -		1.9%	1.4%
County Pool	\$ 14,795	\$ 14,840	\$ 44		1.4%	0.1%
Managed Portfolio	\$ 12,828,811	\$ 12,224,894	\$ (603,918)	\$ (600,000)	2.6%	73.2%
PARS (OPEB & Pension Trust)*	\$ 1,737,451	\$ 2,336,532	\$ 599,081	\$ 600,000	5.4%	14.0%
Accounts Total	\$ 16,819,243	\$ 16,701,396	\$ (117,847)	\$ -	2.7%	100.0%

*Funds are restricted.

All investments have been made in accordance with the District's Annual Statement of Investment Policy.



David Shank
June 30, 2018

05/31/2018

Treasurer's Warrant No. May

TO: Treasurer of the Fallbrook Public Utility District

The bills and claims listed below are approved as authorized by resolution no. 3538 of the Board of Directors dated July 8, 1985. You are hereby authorized and directed to pay said prospective claims in the amounts stated (less discounts in instances where discounts are allowed).

Payroll -05/18

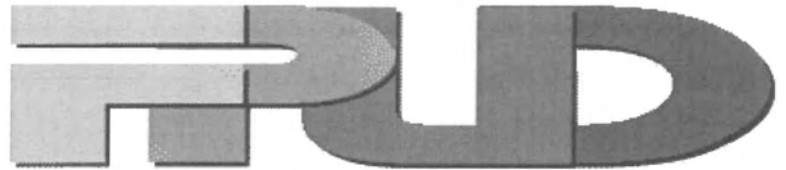
Computer Check Register

Payroll #1	159,188.09
Payroll #2	<u>145,755.81</u>
	<u>304,943.90</u>

Accounts Payable

Checks by Date - Summary by Check Date

User: AnnaleceB
Printed: 6/7/2018 4:13 PM



Fallbrook Public Utility District

Purchasing Dept. Phone: (760) 728-1151, Fax: (760) 728-8491

Main Office Phone: (760) 728-1125, Fax: (760) 728-6029

Check No	Vendor No	Vendor Name	Check Date	Check Amount
77932	91184	4IMPRINT INC	05/02/2018	262.71
77933	06323	ADVANCED COMMUNICATION SYSTE	05/02/2018	428.10
77934	91163	AM Diesel INC.	05/02/2018	165.00
77935	06403	APPLEONE EMPLOYMENT SERVICES	05/02/2018	2,859.34
77936	06696	AT & T MOBILTIY	05/02/2018	55.82
77937	03035	BRITHINEE ELECTRIC	05/02/2018	4,152.00
77938	03134	CALIFORNIA WATER ENVIRONMENT.	05/02/2018	85.00
77939	06115	CDW GOVERNMENT INC.	05/02/2018	1,709.22
77940	91241	LISA CHAFFIN	05/02/2018	25.00
77941	91239	CUMMINS PACIFIC, LLC	05/02/2018	5,264.77
77942	05192	DIAMOND ENVIRONMENTAL SERVIC	05/02/2018	196.83
77943	91123	DIGITAL DEPLOYMENT, INC.	05/02/2018	550.00
77944	UB*00156	MICHAEL DOBSON	05/02/2018	1,193.94
77945	04425	DOMINICK'S SANDWICHES	05/02/2018	33.09
77946	04411	ENVIRONMENTAL RESOURCE ASSOC	05/02/2018	1,997.63
77947	01099	FALLBROOK IRRIGATION INC	05/02/2018	87.92
77948	91198	FIRST BANKCARD	05/02/2018	1,757.91
77949	91200	FIRST BANKCARD	05/02/2018	2,413.97
77950	91201	FIRST BANKCARD	05/02/2018	337.80
77951	91203	FIRST BANKCARD	05/02/2018	1,705.54
77952	91225	FIRST BANKCARD	05/02/2018	1,436.90
77953	91235	FIRST BANKCARD	05/02/2018	4,197.01
77954	91267	FIT TO WORK, INC.	05/02/2018	465.00
77955	05380	HACH CO	05/02/2018	5,211.00
77956	91251	HARDY & HARPER, INC.	05/02/2018	48,684.00
77957	06429	HEALTHPOINTE MEDICAL GROUP,INC	05/02/2018	330.00
77958	03276	HOME DEPOT CREDIT SERVICES	05/02/2018	927.25
77959	06577	INFOSEND INC	05/02/2018	3,223.79
77960	05255	INLAND WATER WORKS SUPPLY CO.	05/02/2018	23,045.53
77961	06463	IOTUM INC.	05/02/2018	25.89
77962	00190	JCI JONES CHEMICALS INC.	05/02/2018	4,596.29
77963	05401	JOE'S PAVING	05/02/2018	20,392.50
77964	04926	KONICA MINOLTA PREMIER FINANCE	05/02/2018	3,603.68
77965	90887	LLOYD PEST CONTROL	05/02/2018	198.00
77966	06263	LOS ANGELES FREIGHTLINER, LLC	05/02/2018	250.00
77967	06123	MACIAS GINI & O'CONNELL	05/02/2018	4,500.00
77968	06338	MYTHOS TECHNOLOGY INC	05/02/2018	481.76
77969	00718	NATIONWIDE RETIREMENT SOLUTIO	05/02/2018	2,795.00
77970	UB*00157	DAVE & JANE OBUHANYCH	05/02/2018	112.60
77971	06298	ONESOURCE DISTRIBUTORS, LLC	05/02/2018	910.88
77972	02759	PACIFIC SAFETY CENTER	05/02/2018	450.00
77973	00216	PINE TREE LUMBER	05/02/2018	68.48
77974	06199	PLUMBERS DEPOT INC	05/02/2018	855.95
77975	06542	PONTON INDUSTRIES INC	05/02/2018	4,089.66
77976	91104	RAFTELIS FINANCIAL CONSULTANTS	05/02/2018	5,167.50
77977	05656	SLOAN ELECTRIC CORPORATION	05/02/2018	17,637.65
77978	05747	TEMECULA VALLEY PIPE & SUPPLY	05/02/2018	35,433.25

Check No	Vendor No	Vendor Name	Check Date	Check Amount
77979	05731	TEMECULA VALLEY POWDER COATING	05/02/2018	580.00
77980	06541	TIFCO INDUSTRIES, INC	05/02/2018	90.27
77981	04330	UNION BANK	05/02/2018	1,587.00
77982	06256	MARYLOU WEST	05/02/2018	71.94
Total for 5/2/2018:				216,700.37
ACH	00152	FPUD EMPL ASSOCIATION	05/09/2018	886.24
ACH	06758	US TREASURY - PAYROLL TAXES	05/09/2018	80,621.95
ACH	06759	STATE OF CA - PR TAXES	05/09/2018	14,720.08
ACH	06760	STATE OF CA - SDI	05/09/2018	2,631.40
ACH	06761	LINCOLN FINANCIAL GROUP	05/09/2018	5,201.47
ACH	06763	PERS - PAYROLL	05/09/2018	33,831.41
77989	06403	APPLEONE EMPLOYMENT SERVICES	05/09/2018	2,125.81
77990	05088	AT&T	05/09/2018	881.34
77991	06235	JACK BEBEE	05/09/2018	31.97
77992	06012	CALIFORNIA DEPT OF CSS	05/09/2018	231.00
77994	01719	MICKEY M. CASE	05/09/2018	60.00
77995	06115	CDW GOVERNMENT INC.	05/09/2018	3,677.36
77996	02176	CORELOGIC SOLUTIONS, LLC	05/09/2018	225.00
77997	05180	NOELLE DENKE	05/09/2018	63.00
77998	04425	DOMINICK'S SANDWICHES	05/09/2018	36.48
77999	UB*00159	COLWELL EQUIPMENT	05/09/2018	1,153.49
78000	06303	EXECUTIVE LANDSCAPE INC.	05/09/2018	700.00
78001	00169	FALLBROOK OIL COMPANY	05/09/2018	1,897.01
78002	02411	FALLBROOK PRINTING CORP	05/09/2018	660.51
78003	00170	FALLBROOK WASTE & RECYCLING	05/09/2018	657.70
78004	05560	FRANCHISE TAX BOARD	05/09/2018	250.00
78005	09517	GENCO	05/09/2018	323.25
78006	02170	GRAINGER, INC.	05/09/2018	2,747.58
78007	02767	GRANGETTO FARM & GARDEN SUPPLI	05/09/2018	150.18
78008	03174	HAAKER EQUIPMENT COMPANY	05/09/2018	4,844.20
78009	06429	HEALTHPOINTE MEDICAL GROUP, INC	05/09/2018	285.00
78010	06426	INDUSTRIAL SAFETY PROFESSIONAL	05/09/2018	3,400.00
78011	06577	INFOSEND INC	05/09/2018	2,108.00
78012	04027	JOES HARDWARE	05/09/2018	1,270.32
78013	05401	JOE'S PAVING	05/09/2018	11,890.00
78014	06263	LOS ANGELES FREIGHTLINER, LLC	05/09/2018	116.07
78015	06596	MCS INSPECTION GROUP	05/09/2018	3,620.00
78016	90932	NAPA AUTO PARTS	05/09/2018	441.35
78017	00718	NATIONWIDE RETIREMENT SOLUTIONS	05/09/2018	2,795.00
78018	90955	NEWEST CONSTRUCTION	05/09/2018	6,995.00
78019	00216	PINE TREE LUMBER	05/09/2018	1,161.45
78020	UB*00158	BERT SALAS INC	05/09/2018	658.21
78021	00231	SAN DIEGO COUNTY WATER AUTH	05/09/2018	746,192.87
78022	00232	SAN DIEGO GAS & ELECTRIC	05/09/2018	46,082.79
78023	06552	SANDIA CREEK ROAD COMMITTEE	05/09/2018	160.00
78024	91218	DAVID SHANK	05/09/2018	317.52
78025	06064	SOLENIS LLC	05/09/2018	8,115.29
78026	91107	SPECTRUM BUSINESS	05/09/2018	105.58
78027	05883	TESTAMERICA LABORATORIES, INC.	05/09/2018	373.28
78028	91091	ORNEEN TOMA	05/09/2018	1,698.03
78029	91255	TOP-LINE INDUSTRIAL SUPPLY L.L.C.	05/09/2018	6,333.98
78030	91259	TOTAL TEMPERATURE INSTRUMENTS	05/09/2018	7,280.66
Total for 5/9/2018:				1,010,008.83

Check No	Vendor No	Vendor Name	Check Date	Check Amount
78031	00101	ACWA JPIA	05/16/2018	91,146.51
78032	06370	AIR RESOURCES BOARD	05/16/2018	575.00
78033	91229	AMP United, LLC	05/16/2018	145,631.87
78034	06403	APPLEONE EMPLOYMENT SERVICES	05/16/2018	3,050.07
78035	05958	BAMM! PROMOTIONAL PRODUCTS, I	05/16/2018	171.43
78036	91241	LISA CHAFFIN	05/16/2018	60.00
78037	03205	CITY OF OCEANSIDE	05/16/2018	911.66
78038	06675	CORODATA SHREDDING, INC	05/16/2018	58.37
78039	91271	C/O SWEETWATER AUTHORITY COUN	05/16/2018	45.00
78040	06169	CS-ASSOCIATED MUNICIPAL SALES C	05/16/2018	820.73
78041	06299	D & H WATER SYSTEMS, INC	05/16/2018	51.21
78042	02925	DATA NET SOLUTIONS	05/16/2018	345.00
78043	05192	DIAMOND ENVIRONMENTAL SERVIC	05/16/2018	321.98
78044	04425	DOMINICK'S SANDWICHES	05/16/2018	39.58
78045	03391	ELECTRICAL SALES INC	05/16/2018	2,147.27
78046	05719	ENVIRONMENTAL SYSTEMS RESEAR	05/16/2018	25,000.00
78047	06303	EXECUTIVE LANDSCAPE INC.	05/16/2018	349.41
78048	09523	FALLBROOK EQUIP RENTALS	05/16/2018	7,544.15
78049	05380	HACH CO	05/16/2018	1,358.92
78050	06577	INFOSEND INC	05/16/2018	3,509.47
78051	06359	INFRASTRUCTURE ENGINEERING CO	05/16/2018	36,475.00
78052	00190	JCI JONES CHEMICALS INC.	05/16/2018	4,719.89
78053	05401	JOE'S PAVING	05/16/2018	53,332.50
78054	06479	KNOCKOUT PEST CONTROL & TERMI	05/16/2018	500.00
78055	90887	LLOYD PEST CONTROL	05/16/2018	169.00
78056	06263	LOS ANGELES FREIGHTLINER, LLC	05/16/2018	116.07
78057	91192	MISSION LINEN SUPPLY	05/16/2018	992.99
78058	91077	MULTI SERVICE TECHNOLOGY SOLU'	05/16/2018	1,714.20
78059	01406	NORTH COUNTY WELDING SUPPLY	05/16/2018	125.85
78060	06298	ONESOURCE DISTRIBUTORS, LLC	05/16/2018	309.24
78061	91207	PARRISH & SON SPECIALTIES	05/16/2018	1,965.00
78062	06763	PERS - PAYROLL	05/16/2018	182.22
78063	03024	DEBRA J. POTTER	05/16/2018	25.00
78064	06608	ROTARY CLUB OF FALLBROOK	05/16/2018	316.50
78065	05403	SAN DIEGO UNION-TRIBUNE CO.	05/16/2018	235.20
78066	90925	SHERWIN-WILLIAMS	05/16/2018	40.71
78067	06401	SONSRAY MACHINERY LLC	05/16/2018	629.87
78068	90929	SOUTHWEST ANSWERING SERVICE, I	05/16/2018	974.10
78069	05608	STEVEN ENTERPRISES INC	05/16/2018	473.88
78070	00159	SUPERIOR READY MIX	05/16/2018	3,707.79
78071	05731	TEMECULA VALLEY POWDER COATIN	05/16/2018	580.00
78072	00250	TRY ENTERPRISES	05/16/2018	2,220.00
78073	00724	UNDERGROUND SERVICE ALERT	05/16/2018	264.10
78074	06211	UNITED IMAGING	05/16/2018	273.66
78075	03027	UPS STORE	05/16/2018	239.38
78076	03358	US BANK TRUST NA	05/16/2018	257,058.03
78077	00458	VERIZON WIRELESS	05/16/2018	3,184.58
78078	05528	WATER ENVIRONMENT FEDERATION	05/16/2018	139.00
78079	91254	WESTERN PUMP, INC.	05/16/2018	1,845.52
78080	06736	JEFF WOLFE	05/16/2018	65.00
Total for 5/16/2018:				656,011.91
78087	04995	AMERICAN MESSAGING	05/23/2018	154.09
78088	06403	APPLEONE EMPLOYMENT SERVICES	05/23/2018	1,511.40
78089	06661	MARK APRIL	05/23/2018	140.00
78090	06710	AQUAGISTICS	05/23/2018	1,400.00

Check No	Vendor No	Vendor Name	Check Date	Check Amount
78091	06020	BABCOCK & SONS, INC.	05/23/2018	1,297.00
78092	91069	BRENNTAG PACIFIC INC.	05/23/2018	1,929.08
78093	91118	BULLDOG TOWING	05/23/2018	877.50
78094	06012	CALIFORNIA DEPT OF CSS	05/23/2018	231.00
78095	03134	CALIFORNIA WATER ENVIRONMENT	05/23/2018	445.00
78096	03978	CAMERON WELDING SUPPLY	05/23/2018	232.40
78097	01719	MICKEY M. CASE	05/23/2018	60.00
78098	04408	DEVIN CASTEEL	05/23/2018	180.00
78099	91272	KEVIN COLLINS	05/23/2018	60.00
78100	05953	CORODATA RECORDS MANAGEMENT	05/23/2018	798.89
78101	90930	CRANERWORKS SOUTHWEST, INC.	05/23/2018	14,119.75
78102	09705	CSDA SAN DIEGO CHAPTER	05/23/2018	30.00
78103	02925	DATA NET SOLUTIONS	05/23/2018	2,667.00
78104	00143	DEPARTMENT OF WATER RESOURCE	05/23/2018	27,161.00
78105	04425	DOMINICK'S SANDWICHES	05/23/2018	22.80
78106	06527	E.H. WACHS	05/23/2018	7,752.62
78107	03391	ELECTRICAL SALES INC	05/23/2018	6,596.94
78108	05987	FALLBROOK GARAGE & QWIK LUBE	05/23/2018	541.52
78109	01099	FALLBROOK IRRIGATION INC	05/23/2018	344.54
78110	01432	FERGUSON WATERWORKS #1083	05/23/2018	4,680.66
78111	05560	FRANCHISE TAX BOARD	05/23/2018	250.00
78112	06286	GARDA CL WEST, INC.	05/23/2018	233.82
78113	91262	GARY R. TANNER	05/23/2018	125.00
78114	00182	GLENNIE'S OFFICE PRODUCTS, INC	05/23/2018	1,220.43
78115	02170	GRAINGER, INC.	05/23/2018	166.82
78116	06577	INFOSEND INC	05/23/2018	2,347.79
78117	05255	INLAND WATER WORKS SUPPLY CO.	05/23/2018	5,792.64
78118	06267	J2 GLOBAL IRELAND LIMITED	05/23/2018	59.91
78119	06380	JANI-KING OF CALIFORNIA, INC - SA	05/23/2018	2,722.99
78120	00190	JCI JONES CHEMICALS INC.	05/23/2018	5,383.42
78121	05401	JOE'S PAVING	05/23/2018	51,504.50
78122	03322	LIGHTHOUSE AUTOMOTIVE	05/23/2018	1,641.46
78123	06633	MAINTENANCE CONNECTION INC	05/23/2018	756.20
78124	03944	MISSION RESOURCE CONSV DISTRIC	05/23/2018	187.50
78125	06338	MYTHOS TECHNOLOGY INC	05/23/2018	2,585.94
78126	03201	NATIONAL SAFETY COMPLIANCE INC	05/23/2018	90.00
78127	04581	NEIMAN'S COLLISION CENTER, INC.	05/23/2018	969.61
78128	91273	CHARLES NEUMAN	05/23/2018	500.00
78129	01267	PACIFIC PIPELINE	05/23/2018	16,227.54
78130	04900	PARADISE CHEVROLET CADILLAC	05/23/2018	318.06
78131	90939	PCM SALES, INC.	05/23/2018	670.85
78132	91007	PFM ASSET MANGEMENT LLC	05/23/2018	1,116.54
78133	91236	PLATINUM CONSULTING GROUP LLC	05/23/2018	8,757.50
78134	91260	PRAXAIR DISTRIBUTION, INC.	05/23/2018	4,835.45
78135	04075	RAYNE WATER SYSTEMS	05/23/2018	125.00
78136	05936	SAN DIEGO COUNTY RECORDER	05/23/2018	12.00
78137	04092	STATE WATER RESOURCES CONT BRI	05/23/2018	320.00
78138	00159	SUPERIOR READY MIX	05/23/2018	646.04
78139	06735	TCN, INC.	05/23/2018	163.72
78140	91082	TELETRAC, INC	05/23/2018	1,130.50
78141	05747	TEMECULA VALLEY PIPE & SUPPLY	05/23/2018	849.03
78142	05731	TEMECULA VALLEY POWDER COATIN	05/23/2018	420.00
78143	05883	TESTAMERICA LABORATORIES, INC.	05/23/2018	493.53
78144	00250	TRY ENTERPRISES	05/23/2018	2,070.00
78145	04290	VILLAGE NEWS, INC.	05/23/2018	495.00
78146	05528	WATER ENVIRONMENT FEDERATION	05/23/2018	139.00

Check No	Vendor No	Vendor Name	Check Date	Check Amount
Total for 5/23/2018:				188,560.98
ACH	00152	FPUD EMPL ASSOCIATION	05/24/2018	882.24
ACH	06758	US TREASURY - PAYROLL TAXES	05/24/2018	66,794.36
ACH	06759	STATE OF CA - PR TAXES	05/24/2018	11,119.49
ACH	06760	STATE OF CA - SDI	05/24/2018	2,355.58
ACH	06761	LINCOLN FINANCIAL GROUP	05/24/2018	5,118.58
ACH	06763	PERS - PAYROLL	05/24/2018	33,209.63
Total for 5/24/2018:				119,479.88
78147	01460	AFLAC	05/30/2018	1,186.42
78148	91256	AFP	05/30/2018	200.00
78149	06403	APPLEONE EMPLOYMENT SERVICES	05/30/2018	2,313.28
78150	06696	AT & T MOBILTIY	05/30/2018	55.32
78151	UB*00160	JASON BOOTH	05/30/2018	5.00
78152	03134	CALIFORNIA WATER ENVIRONMENT.	05/30/2018	90.00
78153	06115	CDW GOVERNMENT INC.	05/30/2018	2,423.51
78154	03205	CITY OF OCEANSIDE	05/30/2018	2,178.16
78155	06409	COLE-PARMER INSTRUMENT COMPA	05/30/2018	476.39
78156	01099	FALLBROOK IRRIGATION INC	05/30/2018	48.27
78157	00169	FALLBROOK OIL COMPANY	05/30/2018	5,023.41
78158	04494	FEDERAL EXPRESS CORPORATION	05/30/2018	115.29
78159	91198	FIRST BANKCARD	05/30/2018	945.77
78160	91200	FIRST BANKCARD	05/30/2018	5,462.99
78161	91201	FIRST BANKCARD	05/30/2018	92.19
78162	91203	FIRST BANKCARD	05/30/2018	1,923.65
78163	91225	FIRST BANKCARD	05/30/2018	1,262.54
78164	91235	FIRST BANKCARD	05/30/2018	286.92
78165	05380	HACH CO	05/30/2018	601.11
78166	06429	HEALTHPOINTE MEDICAL GROUP,INC	05/30/2018	150.00
78167	06577	INFOSEND INC	05/30/2018	3,133.43
78168	00190	JCI JONES CHEMICALS INC.	05/30/2018	94.30
78169	05401	JOE'S PAVING	05/30/2018	9,480.00
78170	91130	LINCOLN NATIONAL LIFE INSURANC	05/30/2018	2,294.78
78171	91270	PROFESSIONAL CONTRACTORS SUPP	05/30/2018	769.23
78172	UB*00161	EUJENIO & SANDRA ROJO	05/30/2018	2.61
78173	06737	SIMPSON SANDBLASTING & SPECIAL	05/30/2018	28,523.18
78174	04092	STATE WATER RESOURCES CONT BRI	05/30/2018	95.00
78175	02972	THERMO ENVIRONMENTAL INSTRUM	05/30/2018	139.85
78176	91091	ORNEEN TOMA	05/30/2018	151.02
78177	04296	TRENCH PLATE RENTAL CO	05/30/2018	815.55
78178	91268	TRINITY SHORING PRODUCTS, INC.	05/30/2018	11,682.40
78179	UB*00162	TZANG ANN TSAUR	05/30/2018	16.89
78180	06231	WESTERN WATER WORKS SUPPLY CC	05/30/2018	8,270.03
78181	91214	YOUNGREN CONSTRUCTION, INC.	05/30/2018	6,763.00
Total for 5/30/2018:				97,071.49
Report Total (249 checks):				2,287,833.46



Jack Bebee

Acting General Manager

06/30/2018

Treasurer's Warrant No. June

TO: Treasurer of the Fallbrook Public Utility District

The bills and claims listed below are approved as authorized by resolution no. 3538 of the Board of Directors dated July 8, 1985. You are hereby authorized and directed to pay said prospective claims in the amounts stated (less discounts in instances where discounts are allowed).

Payroll -06/18

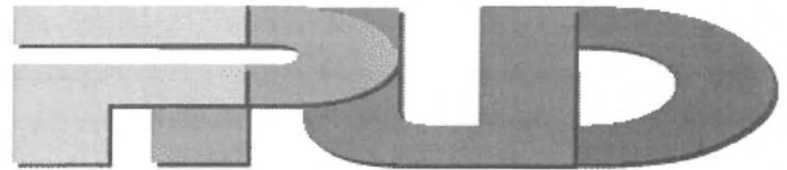
Computer Check Register

Payroll #1	131,921.53
Payroll #2	<u>129,730.32</u>
	<u>261,651.85</u>

Accounts Payable

Checks by Date - Summary by Check Date

User: AnnaleceB
Printed: 7/2/2018 10:09 AM



Fallbrook Public Utility District

Purchasing Dept. Phone: (760) 728-1151, Fax: (760) 728-8491
Main Office Phone: (760) 728-1125, Fax: (760) 728-6029

Check No	Vendor No	Vendor Name	Check Date	Check Amount
78188	04949	ALLDATA	06/06/2018	1,500.00
78189	06403	APPLEONE EMPLOYMENT SERVICES	06/06/2018	2,582.72
78190	02743	BEST BEST & KRIEGER	06/06/2018	35,652.03
78191	06012	CALIFORNIA DEPT OF CSS	06/06/2018	231.00
78192	03134	CALIFORNIA WATER ENVIRONMENT.	06/06/2018	175.00
78193	06318	ANTONIO CAMPOS	06/06/2018	100.00
78194	UB*00165	ST STEPHEN LUTHERAN CHURCH & S	06/06/2018	37.10
78195	91242	DATA MANAGEMENT, INC.	06/06/2018	6,799.00
78196	02925	DATA NET SOLUTIONS	06/06/2018	2,400.00
78197	05192	DIAMOND ENVIRONMENTAL SERVIC	06/06/2018	196.83
78198	91123	DIGITAL DEPLOYMENT, INC.	06/06/2018	550.00
78199	UB*00163	MELINDA & JASON DONSTON	06/06/2018	2.50
78200	05853	DUKE'S ROOT CONTROL INC	06/06/2018	6,145.35
78201	03391	ELECTRICAL SALES INC	06/06/2018	2,244.88
78202	09523	FALLBROOK EQUIP RENTALS	06/06/2018	7,967.32
78203	01155	FALLBROOK REFUSE	06/06/2018	129.36
78204	05560	FRANCHISE TAX BOARD	06/06/2018	250.00
78205	09517	GENCO	06/06/2018	90.51
78206	02170	GRAINGER, INC.	06/06/2018	1,055.95
78207	06722	CHRIS HAMILTON	06/06/2018	408.77
78208	03276	HOME DEPOT CREDIT SERVICES	06/06/2018	767.22
78209	03161	IDEXX DISTRIBUTION, INC.	06/06/2018	360.59
78210	06577	INFOSEND INC	06/06/2018	3,375.60
78211	06243	JIM'S SIGN SHOP	06/06/2018	697.80
78212	04027	JOES HARDWARE	06/06/2018	2,296.32
78213	06479	KNOCKOUT PEST CONTROL & TERMI	06/06/2018	650.00
78214	06065	MANOR CLEANERS	06/06/2018	60.00
78215	04649	MAR-CON PRODUCTS, INC	06/06/2018	662.49
78216	UB*00166	DORIN MARTIN	06/06/2018	45.05
78217	06614	MITEL LEASING	06/06/2018	1,041.15
78218	06338	MYTHOS TECHNOLOGY INC	06/06/2018	481.76
78219	00718	NATIONWIDE RETIREMENT SOLUTIO	06/06/2018	2,645.00
78220	01267	PACIFIC PIPELINE	06/06/2018	2,667.89
78221	00216	PINE TREE LUMBER	06/06/2018	235.30
78222	05442	QUEXION, LLC	06/06/2018	35.00
78223	06608	ROTARY CLUB OF FALLBROOK	06/06/2018	211.00
78224	00231	SAN DIEGO COUNTY WATER AUTH	06/06/2018	1,449,052.47
78225	00232	SAN DIEGO GAS & ELECTRIC	06/06/2018	51,479.94
78226	06738	SHAWN'S CONCRETE PUMPING	06/06/2018	330.00
78227	91107	SPECTRUM BUSINESS	06/06/2018	107.02
78228	04092	STATE WATER RESOURCES CONT BRI	06/06/2018	70.00
78229	02797	STEVE STONE	06/06/2018	186.00
78230	05319	T.S. INDUSTRIAL SUPPLY	06/06/2018	3,096.74
78231	06541	TIFCO INDUSTRIES, INC	06/06/2018	2,461.57
78232	91255	TOP-LINE INDUSTRIAL SUPPLY L.L.C.	06/06/2018	154.65
78233	03027	UPS STORE	06/06/2018	217.65
78234	04290	VILLAGE NEWS, INC.	06/06/2018	495.00

Check No	Vendor No	Vendor Name	Check Date	Check Amount
78235	UB*00164	ROCHELLE ZOLLO	06/06/2018	225.64
Total for 6/6/2018:				1,592,627.17
ACH	00152	FPUD EMPL ASSOCIATION	06/07/2018	866.70
ACH	06758	US TREASURY - PAYROLL TAXES	06/07/2018	53,504.01
ACH	06759	STATE OF CA - PR TAXES	06/07/2018	8,228.31
ACH	06760	STATE OF CA - SDI	06/07/2018	2,055.44
ACH	06761	LINCOLN FINANCIAL GROUP	06/07/2018	5,118.58
ACH	06763	PERS - PAYROLL	06/07/2018	32,948.16
Total for 6/7/2018:				102,721.20
78236	04995	AMERICAN MESSAGING	06/13/2018	44.02
78237	06403	APPLEONE EMPLOYMENT SERVICES	06/13/2018	1,460.38
78238	90957	BIG TEX TRAILER WORLD, INC	06/13/2018	2,063.00
78239	06374	BOOT BARN INC.	06/13/2018	171.27
78240	03134	CALIFORNIA WATER ENVIRONMENT.	06/13/2018	90.00
78241	03978	CAMERON WELDING SUPPLY	06/13/2018	2,164.87
78242	00370	CROP PRODUCTION SERVICES, INC.	06/13/2018	2,144.39
78243	06169	CS-ASSOCIATED MUNICIPAL SALES C	06/13/2018	1,758.51
78244	05180	NOELLE DENKE	06/13/2018	38.75
78245	05192	DIAMOND ENVIRONMENTAL SERVIC	06/13/2018	322.31
78246	03391	ELECTRICAL SALES INC	06/13/2018	289.74
78247	UB*00170	FRED & JANE ERDTSIECK	06/13/2018	160.00
78248	04122	EVOQUA WATER TECHNOLOGIES LLC	06/13/2018	3,978.62
78249	06303	EXECUTIVE LANDSCAPE INC.	06/13/2018	700.00
78250	00161	FALLBROOK CHAMBER OF COMMER	06/13/2018	30.00
78251	09523	FALLBROOK EQUIP RENTALS	06/13/2018	8,091.18
78252	05987	FALLBROOK GARAGE & QWIK LUBE	06/13/2018	125.00
78253	00169	FALLBROOK OIL COMPANY	06/13/2018	5,430.58
78254	02411	FALLBROOK PRINTING CORP	06/13/2018	684.77
78255	00170	FALLBROOK WASTE & RECYCLING	06/13/2018	657.70
78256	06497	FASTENAL COMPANY	06/13/2018	1,822.48
78257	05798	FOOTHILL LOCK & KEY INC	06/13/2018	448.68
78258	00182	GLENNIE'S OFFICE PRODUCTS, INC	06/13/2018	17.13
78259	02170	GRAINGER, INC.	06/13/2018	287.94
78260	05380	HACH CO	06/13/2018	882.58
78261	06429	HEALTHPOINTE MEDICAL GROUP,INC	06/13/2018	225.00
78262	06577	INFOSEND INC	06/13/2018	1,281.74
78263	05255	INLAND WATER WORKS SUPPLY CO.	06/13/2018	5,389.77
78264	03299	KAMAN INDUSTRIAL TECHNOLOGIE	06/13/2018	794.70
78265	06479	KNOCKOUT PEST CONTROL & TERMI	06/13/2018	50.00
78266	03765	LENNIHAN LAW	06/13/2018	6,728.88
78267	03322	LIGHTHOUSE AUTOMOTIVE	06/13/2018	624.73
78268	91192	MISSION LINEN SUPPLY	06/13/2018	1,317.10
78269	UB*00167	ANGEL MUNOZ	06/13/2018	215.00
78270	90932	NAPA AUTO PARTS	06/13/2018	254.92
78271	00718	NATIONWIDE RETIREMENT SOLUTIO	06/13/2018	2,645.00
78272	UB*00168	BRIAN NYGREN	06/13/2018	11.29
78273	06298	ONESOURCE DISTRIBUTORS, LLC	06/13/2018	200.39
78274	01267	PACIFIC PIPELINE	06/13/2018	249.87
78275	04900	PARADISE CHEVROLET CADILLAC	06/13/2018	91.96
78276	91263	MELODY PARKER	06/13/2018	2,899.50
78277	91207	PARRISH & SON SPECIALTIES	06/13/2018	7,000.00
78278	90939	PCM SALES, INC.	06/13/2018	2,548.68
78279	91270	PROFESSIONAL CONTRACTORS SUPP	06/13/2018	806.51

Check No	Vendor No	Vendor Name	Check Date	Check Amount
78280	06237	LARRY RAGSDALE	06/13/2018	64.35
78281	91218	DAVID SHANK	06/13/2018	35.00
78282	06401	SONSRAY MACHINERY LLC	06/13/2018	2,621.58
78283	90929	SOUTHWEST ANSWERING SERVICE, I	06/13/2018	716.39
78284	06228	TECHNOLOGY UNLIMITED INC.	06/13/2018	1,291.81
78285	UB*00169	CUYUGAN FAMILY 4-10-92 TRUST	06/13/2018	177.69
78286	06211	UNITED IMAGING	06/13/2018	207.88
78287	91067	UPODIUM ENTERPRISES, LLC	06/13/2018	65.25
78288	04313	USA BLUE BOOK	06/13/2018	874.80
78289	00458	VERIZON WIRELESS	06/13/2018	1,775.54
78290	01359	WATERMASTER	06/13/2018	26,967.32
78291	00233	WAXIE SANITARY SUPPLY	06/13/2018	3,374.49
78292	91250	WEKA INC	06/13/2018	228,742.90
Total for 6/13/2018:				334,113.94
78297	00101	ACWA JPIA	06/20/2018	92,204.19
78298	91274	AL'S KUBOTA TRACTOR, INC.	06/20/2018	21,900.00
78299	05091	ANALYTICAL TECHNOLOGY INC	06/20/2018	453.50
78300	06403	APPLEONE EMPLOYMENT SERVICES	06/20/2018	1,502.98
78301	05088	AT&T	06/20/2018	877.39
78302	06020	BABCOCK & SONS, INC.	06/20/2018	1,440.00
78303	05958	BAMM! PROMOTIONAL PRODUCTS, D	06/20/2018	241.17
78304	06235	JACK BEBEE	06/20/2018	951.52
78305	06012	CALIFORNIA DEPT OF CSS	06/20/2018	231.00
78306	03978	CAMERON WELDING SUPPLY	06/20/2018	587.92
78307	91241	LISA CHAFFIN	06/20/2018	60.00
78308	91272	KEVIN COLLINS	06/20/2018	60.00
78309	91210	CORE & MAIN LP	06/20/2018	269.38
78310	02176	CORELOGIC SOLUTIONS, LLC	06/20/2018	225.00
78311	05953	CORODATA RECORDS MANAGEMENT	06/20/2018	641.06
78312	06675	CORODATA SHREDDING, INC	06/20/2018	58.37
78313	06169	CS-ASSOCIATED MUNICIPAL SALES C	06/20/2018	17,996.79
78314	02925	DATA NET SOLUTIONS	06/20/2018	268.75
78315	91281	DM COLOR EXPRESS INC	06/20/2018	3,262.94
78316	03391	ELECTRICAL SALES INC	06/20/2018	169.32
78317	00170	FALLBROOK WASTE & RECYCLING	06/20/2018	49.00
78318	UB*00171	PODDOUBNYI FAMILY LP	06/20/2018	645.57
78319	04494	FEDERAL EXPRESS CORPORATION	06/20/2018	24.40
78320	06353	FIVES NO. AMERICAN COMBUSTION,	06/20/2018	4,324.27
78321	05560	FRANCHISE TAX BOARD	06/20/2018	250.00
78322	06286	GARDA CL WEST, INC.	06/20/2018	233.82
78323	00182	GLENNIE'S OFFICE PRODUCTS, INC	06/20/2018	360.94
78324	05380	HACH CO	06/20/2018	1,001.42
78325	06687	ICE QUBE, INC	06/20/2018	428.17
78326	06577	INFOSEND INC	06/20/2018	2,753.34
78327	06267	J2 GLOBAL IRELAND LIMITED	06/20/2018	59.91
78328	06380	JANI-KING OF CALIFORNIA, INC - SA	06/20/2018	2,722.99
78329	00190	JCI JONES CHEMICALS INC.	06/20/2018	3,389.21
78330	05401	JOE'S PAVING	06/20/2018	6,860.00
78331	03299	KAMAN INDUSTRIAL TECHNOLOGIE:	06/20/2018	266.70
78332	UB*00172	LANCE KUMM	06/20/2018	52.87
78333	03322	LIGHTHOUSE AUTOMOTIVE	06/20/2018	1,196.03
78334	06156	LOMACK SERVICE CORPORATION	06/20/2018	1,451.00
78335	06633	MAINTENANCE CONNECTION INC	06/20/2018	756.20
78336	04649	MAR-CON PRODUCTS, INC	06/20/2018	1,037.46
78337	06338	MYTHOS TECHNOLOGY INC	06/20/2018	3,067.70

Check No	Vendor No	Vendor Name	Check Date	Check Amount
78338	03201	NATIONAL SAFETY COMPLIANCE INC	06/20/2018	1,127.31
78339	91167	NORTH COUNTY FORD	06/20/2018	165.89
78340	06744	O.S.T.S. INC	06/20/2018	2,320.00
78341	06298	ONESOURCE DISTRIBUTORS, LLC	06/20/2018	153.05
78342	02759	PACIFIC SAFETY CENTER	06/20/2018	280.00
78343	00215	PETTY CASH	06/20/2018	147.28
78344	91007	PFM ASSET MANGEMENT LLC	06/20/2018	1,135.31
78345	91155	QUALITY GATE COMPANY	06/20/2018	884.90
78346	06056	R & B FILTRATION	06/20/2018	3,758.39
78347	04075	RAYNE WATER SYSTEMS	06/20/2018	125.00
78348	91094	C/O GOODMAN FACTORS SCADA INTI	06/20/2018	7,375.00
78349	91269	SRK ENGINEERING INC.	06/20/2018	80,762.35
78350	91223	STERLING HEALTH SERVICES INC.	06/20/2018	17,380.00
78351	06735	TCN, INC.	06/20/2018	126.11
78352	91082	TELETRAC, INC	06/20/2018	1,105.48
78353	05883	TESTAMERICA LABORATORIES, INC.	06/20/2018	1,126.81
78354	00250	TRY ENTERPRISES	06/20/2018	3,545.00
78355	00724	UNDERGROUND SERVICE ALERT	06/20/2018	368.05
78356	91067	UPODIUM ENTERPRISES, LLC	06/20/2018	367.99
Total for 6/20/2018:				296,586.20
ACH	00152	FPUD EMPL ASSOCIATION	06/21/2018	886.24
ACH	06758	US TREASURY - PAYROLL TAXES	06/21/2018	52,347.61
ACH	06759	STATE OF CA - PR TAXES	06/21/2018	7,816.37
ACH	06760	STATE OF CA - SDI	06/21/2018	2,033.79
ACH	06761	LINCOLN FINANCIAL GROUP	06/21/2018	5,168.58
ACH	06763	PERS - PAYROLL	06/21/2018	34,441.55
Total for 6/21/2018:				102,694.14
78357	01460	AFLAC	06/27/2018	1,212.56
78358	06403	APPLEONE EMPLOYMENT SERVICES	06/27/2018	101.04
78359	06696	AT & T MOBILTIY	06/27/2018	57.05
78360	06235	JACK BEBEE	06/27/2018	77.50
78361	00898	BP BATTERY	06/27/2018	519.35
78362	91275	C&W DIVING SERVICES, INC.	06/27/2018	9,467.00
78363	01719	MICKEY M. CASE	06/27/2018	60.00
78364	91284	COAST WASTE MANAGEMENT INC	06/27/2018	1,587.96
78365	05192	DIAMOND ENVIRONMENTAL SERVIC	06/27/2018	221.40
78366	04425	DOMINICK'S SANDWICHES	06/27/2018	44.49
78367	91277	DOUG'S SOCAL PAINTING	06/27/2018	19,460.00
78368	03391	ELECTRICAL SALES INC	06/27/2018	2,063.97
78369	05588	ESCONDIDO METAL SUPPLY	06/27/2018	107.75
78370	06507	EUROFINS EATON ANALYTICAL INC	06/27/2018	2,400.00
78371	01099	FALLBROOK IRRIGATION INC	06/27/2018	239.75
78372	00169	FALLBROOK OIL COMPANY	06/27/2018	3,797.62
78373	91200	FIRST BANKCARD	06/27/2018	1,436.32
78374	91202	FIRST BANKCARD	06/27/2018	1,094.28
78375	91203	FIRST BANKCARD	06/27/2018	2,520.77
78376	91235	FIRST BANKCARD	06/27/2018	1,985.18
78377	UB*00176	JON & LYN GOLDWASSER	06/27/2018	0.19
78378	02170	GRAINGER, INC.	06/27/2018	652.94
78379	UB*00173	JAIME'S GROVE SERVICE	06/27/2018	56.91
78380	05380	HACH CO	06/27/2018	1,570.69
78381	06429	HEALTHPOINTE MEDICAL GROUP,INC	06/27/2018	75.00
78382	06577	INFOSEND INC	06/27/2018	4,536.79

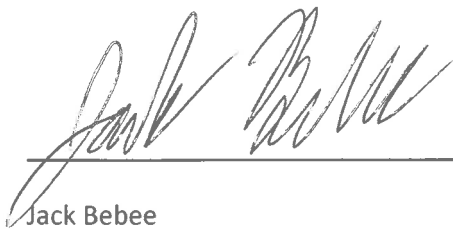
Check No	Vendor No	Vendor Name	Check Date	Check Amount
78383	06359	INFRASTRUCTURE ENGINEERING CO	06/27/2018	14,499.00
78384	05871	ITRON INC	06/27/2018	9,843.88
78385	06243	JIM'S SIGN SHOP	06/27/2018	285.27
78386	05065	JOHNSON CONTROLS SECURITY SOL	06/27/2018	424.72
78387	04926	KONICA MINOLTA PREMIER FINANCE	06/27/2018	3,823.84
78388	06659	KUBE ENGINEERING	06/27/2018	2,595.19
78389	91130	LINCOLN NATIONAL LIFE INSURANC	06/27/2018	3,061.92
78390	UB*00178	RUTHANN LONDON	06/27/2018	2.12
78391	UB*00175	DANIEL MC ANDREW	06/27/2018	9.84
78392	91219	METAL & CABLE, INC.	06/27/2018	5,538.35
78393	03944	MISSION RESOURCE CONSV DISTRIC	06/27/2018	64.00
78394	06024	MATTHEW MORGAN	06/27/2018	850.75
78395	00718	NATIONWIDE RETIREMENT SOLUTIO	06/27/2018	2,645.00
78396	UB*00177	CONRAD NOVOA	06/27/2018	5.82
78397	06298	ONESOURCE DISTRIBUTORS, LLC	06/27/2018	295.24
78398	91280	PACIFIC COMMERCIAL DOORS, LLC	06/27/2018	18,359.06
78399	01267	PACIFIC PIPELINE	06/27/2018	1,492.43
78400	04900	PARADISE CHEVROLET CADILLAC	06/27/2018	272.77
78401	90939	PCM SALES, INC.	06/27/2018	686.66
78402	91270	PROFESSIONAL CONTRACTORS SUPP	06/27/2018	461.12
78403	02972	THERMO ENVIRONMENTAL INSTRUM	06/27/2018	309.27
78404	91283	VESTCO RESTAURANT EQUIPMENT	06/27/2018	3,824.40
78405	05909	WAGNER & BONSIGNORE, CONSULTI	06/27/2018	125.00
78406	91282	WREGIS	06/27/2018	140.38
78407	UB*00174	ROGER & CAROL YOUNG	06/27/2018	2.14

Total for 6/27/2018:

124,964.68

Report Total (228 checks):

2,553,707.33



Jack Bebee

Acting General Manager



FALLBROOK PUBLIC UTILITY DISTRICT
BOARD OF DIRECTORS

DIRECTOR'S REPORT OF CONFERENCE / MEETING ATTENDANCE

Director Name: Jennifer DeMeo

Name & Location of Function: Council of Water Utilities, Hotel Karlan San Diego

Date(s) of Attendance: Tuesday, July 17 2018 7:15 - 8:45am

Purpose of Function: Education and Networking

Sponsoring Organization: Sweetwater Authority

Summary of Conference or Meeting:

The presentation was "Building A Better Energy Efficient Future," presented by Brandi Turner, Outreach and Stakeholder Engagement Manager, Sempra Energy. Ms. Turner provided an overview of programs designed to to encourage energy efficiency in home and business settings. SDG&E reaches out to provide assistance to disadvantaged communities and customers and promotes strategies for energy efficiency.

Most notable is the strategic shift within Sempra Energy to begin to restructure how energy efficiency programs are allocated. In the new 10 year plan, programs will be divided into target categories such as industrial, public sector, agriculture, and other segments to better assess the specific needs of these customers. Programs will also be administered by a 3rd party rather than in-house. This is a major change for Sempra an may allow for more opportunities for Public Utilities to have more input regarding energy usage and efficiency in the near future

Director Signature: 

Date: 7/17/2018

The Administrative Code requires reports of conferences or meetings for which a director requests per diem or expense reimbursement. Reports must be submitted to the secretary no later than one (1) week prior to the board meeting.

Reports must be submitted before the District will pay per diem or reimbursement for the conference or meeting. Reports are not required for board or committee meetings or meetings with board or committee officers, the general manager, or the general counsel.