



**CHINO BASIN
DESALTER
AUTHORITY**

Technical Advisory Committee Meeting

February 26, 2019 • 1:30 p.m.

2151 S. Haven Ave., Ste. 202, Ontario, CA 91761

**TECHNICAL ADVISORY COMMITTEE
CHINO BASIN DESALTER AUTHORITY**

**February 26, 2019
1:30 p.m.**

**Chino Basin Desalter Authority
2151 S. Haven Avenue, Suite 202, Ontario, CA 91761**

AGENDA

CALL TO ORDER

PUBLIC COMMENT

Members of the public may address the Committee on any item that is within the jurisdiction of the Committee; however, no action may be taken on any item not appearing on the agenda unless the action is otherwise authorized by Subdivision (b) of Section 54954.2 of the Government Code. Those persons wishing to address the Committee on any matter, whether or not it appears on the agenda, are requested to complete and submit to the Board Secretary a "Request to Speak" form which is available on the conference room table. Comments will be limited to five minutes per speaker.

ADDITIONS TO THE AGENDA

In accordance with Section 54954.2 of the Government Code (Brown Act), additions to the agenda require two-thirds vote of the legislative body, or, if less than two-thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the local agency subsequent to the agenda being posted.

- 1. MINUTES OF FEBRUARY 12, 2019 TECHNICAL ADVISORY COMMITTEE MEETING**
Report By: CDA Executive Assistant Costa
- 2. CHINO I OPERATIONS REPORT**
Report By: Ian Tillery/Inland Empire Utilities Agency
- 3. CHINO II OPERATIONS REPORT**
Report By: Aaron Anderson/Jurupa Community Services District
- 4. IT SERVICES AND SUPPORT FOR CDA ADMINISTRATION**
Report By: CDA Executive Assistant Costa
- 5. FY 2019/20 BUDGET TIMELINE / 5-YEAR CIP PROJECTION**
Report By: CDA Principal Accountant Garcia
- 6. REMINGTON PIPELINE EASEMENT**
Report By: CDA Interim General Manager O'Neill
- 7. PHASE 3 EXPANSION UPDATE**
Report By: Cindy Miller, Phase 3 Expansion Program Manager

8. **SOUTH ARCHIBALD PLUME UPDATE**
Report By: Cindy Miller, South Archibald Plume Program Manager
9. **CHINO AIRPORT PLUME UPDATE**
Report By: CDA Interim General Manager O'Neill
10. **BOARD MEETING AGENDA ITEMS REVIEW**
Report By: CDA Interim General Manager O'Neill
11. **NEW BUSINESS/FUTURE TECHNICAL ADVISORY AGENDA ITEMS REVIEW**
Report By: CDA Interim General Manager O'Neill

ADJOURN

Any person with a disability who requires accommodations in order to participate in this meeting or for package materials in an alternative format should telephone Executive Assistant C. at (909) 218-3730, at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation. Copies of records provided to Board Members which relate to any agenda item to be discussed in open session may be obtained from Chino Basin Desalter Authority at 2151 S. Haven Avenue, Suite 202, Ontario, CA 91761.

Declaration of Posting

I, Casey Costa, Executive Assistant to the Chino Basin Desalter Authority, hereby certify that a copy of this agenda has been posted at the Chino Basin Desalter Authority's main office, 2151 S. Haven Ave., Ontario, CA by February 22, 2019 at 5:00 p.m.

Casey Costa, Executive Assistant



Technical Advisory Committee Meeting

Agenda Item

No. 1

**CHINO BASIN DESALTER AUTHORITY
TECHNICAL ADVISORY COMMITTEE**

MINUTES

February 12, 2019

A meeting of the Chino Basin Desalter Authority Technical Advisory Committee was held on the above date at the Chino Basin Desalter Authority Offices located at 2151 S. Haven Avenue, Suite 202, Ontario, CA 91761. Interim General Manager O'Neill called the meeting to order at 1:30 p.m.

Committee Members Present: Dave Crosley, City of Chino
Mark Wiley, City of Chino Hills
Moustafa Aly, Jurupa Community Services District
J. Arnold Rodriguez, Santa Ana River Water Company
Paul Ruge, Western Municipal Water District (Alternate)

Others Present: Tom O'Neill, CDA Interim General Manager
Michael Chung, CDA CFO/Treasurer
Todd Minten, CDA Operations Manager
Jose Garcia, CDA Principal Accountant
Casey Costa, CDA Executive Assistant
Ian Tillery, Inland Empire Utilities Agency
Cindy Miller, Hazen & Sawyer

AGENDA ITEMS

1. **Meeting Minutes (01/22/2019 Meeting)** – Minutes were approved as submitted.
2. **Chino I Operations Report** – *Ian Tillery/IEUA reported on activities at Chino I*
 - Plant production – 9.2 MGD
 - Cla-Val was onsite for Chino Turnout
 - Rotork came out for service and inspected actuators
 - Well I-5 – Pump is ready to be reinstalled. Waiting for Brithinee motor.
 - General Pump provided pump basics class
 - PFOA/PFAS sampling was done on 1/31. Last sampling was in 2014 (affluent water only)
 - Train 5 was taken out of service due to bearing debris in the vessels and put back online.
 - SCE came out to check data logger, which was inconclusive. Power relay had been replaced, which may have been the problem.
 - 2/5/19 – 3" IX airline was found to be 99% plugged. Received 2 quotes, waiting for one more.

3. **Chino II Operations Report** – *Moustafa Aly/JCSD reported on activities at Chino II*

- Plant production – 15.6 MGD
- CRF is online and will be ramped up on Monday.

Interim General Manager O'Neill noted that Carollo is addressing the CRF solids issue and will provide a summary.

4. **Water Deliveries** – Operations Manager Minten reported that YTD deliveries are 110.3%. He reported that WFA may be offline soon and Chino and Chino Hills may receive increased flow. Allocations will be sent this week, then every other week.

5. **Well I-11 Storm Drain Connection** – Interim General Manager O'Neill reported that a development in Southern Ontario requires a storm drain line that runs adjacent to Well I-11. This presents an opportunity for a storm drain connection to that site. Design is estimated to be \$1,500 and Northstar will provide a cost for connection. Project to get storm drain onsite and any improvements needed will be completed next fiscal year.

6. **Hamner Avenue Bridge Pipeline Relocation** – Proposal was received from Webb Associates and will be reviewed. Purchasing Policy will be consulted.

7. **Contracts – Well Rehabilitation and Procurement of Chemicals** – Principal Accountant Garcia reported that an RFP for Procurement of Chemicals was advertised via PlanetBids. Proposals were received from Brenntag and Univar. Univar submitted a proposal package after the deadline specified in the RFP, leaving Brenntag as the only responsive bidder. Crosley/Chino requested that some vendors be contacted to find the reason they did not submit proposals.

8. **JCSD Agreement re: Well II-1** - Interim General Manager O'Neill reported that JCSD is reviewing the agreement drafted by CDA legal counsel and we awaiting JCSD's comments.

9. **General Manager Recruitment Update** – Interviews occurred during the February 2019 Board Meeting. Contract negotiations with one of the candidates are taking place.

10. **Phase 3 Expansion Update**

HDD Crossing – Contractor experienced a setback due to failure of their drilling rig. They provided a new schedule and plan pull-back day on February 20.

Wells II-10 and II-11 - Both wells are in service. Final close-out change order is being negotiated. NOC's were filed.

11. **South Archibald Plume Update** – Program Manager Miller reported that a meeting is scheduled with the property owner. Approval of location from the Regional Board is required for Prop 1 funding. Engineer will provide a technical report for onsite decarbonator design in the next few weeks.
12. **Chino Airport Plume Update** – Interim General Manager O’Neill reported that a meeting is being set up with Tetra Tech and San Bernardino County. He noted that previous discussion included the possibility of the County tying into Well I-1 through I-4 water line. During the meeting he will inform the County and Tetra Tech that this is not a viable option since that water would need to go through RO and CDA’s bypass capacity would be lost.
13. **Board Meeting Agenda**– Interim General Manager O’Neill reviewed upcoming Board agenda items.

Program Manager Miller reported that there will be an additional Helix Environmental Change Order for biological monitoring for the HDD River Crossing project scheduled for the April 2019 Board Meeting.

14. **New Business/Future Agenda Items** – Interim General Manager O’Neill reviewed upcoming TAC items.

Tillery/IEUA reported that Well I-1 sampling confirmed presence of 1,2,3-TCP and recommended that Well I-1 be taken offline. Since Well I-1 is used to blend with Well I-4 for TDS levels, Well I-4 will need to be taken offline as well. There were no objections.

There being no further business, the meeting was adjourned at 2:11 p.m.

Submitted by Casey Costa, CDA Executive Assistant



Technical Advisory Committee Meeting

Agenda Item

No. 2



Chino I Desalter Treatment Plant Operations Summary of Activities

February 7, 2019 to February 21, 2019

VFD Speed	Well Name	Current Maximum Production Rate	Current Production Rate (gpm)	Percent of Production	Operational (Yes/No)	Production Rate (gpm)	Status (Idle/Run)	Current Operations (gpm)
0%	I-1	385	0	0%	No	0	Idle	0
0%	I-2	150	0	0%	No	0	Idle	0
0%	I-3	420	0	0%	No	0	Idle	0
0%	I-4	200	0	0%	Yes	0	Idle	0
0%	I-5	1,200	0	0%	No	0	Idle	0
*80%	I-6	990	340	4%	Yes	340	Run	340
*69%	I-7	1,250	325	3%	Yes	325	Run	325
100%	I-8	1,120	808	9%	Yes	808	Run	808
100%	I-9	1,180	708	8%	Yes	708	Run	708
100%	I-10	1,200	989	11%	Yes	989	Run	989
100%	I-11	1,300	1,240	13%	Yes	1,240	Run	1,240
***79%	I-13	1,290	995	11%	Yes	995	Run	995
100%	I-14	2,200	1,503	16%	Yes	1,503	Run	1,503
100%	I-15	2,000	1,591	17%	Yes	1,591	Run	1,591
100%	I-16	225	201	2%	Yes	201	Run	201
0%	I-17	225	0	0%	No	0	Idle	0
100%	I-20	400	392	4%	Yes	392	Run	392
100%	I-21	360	272	3%	Yes	272	Run	272
	Total	16,095	9,364	100%	100%	9,364	100%	9,364

MGD

13.5

13.5

13.5

IEBL Flow 2.04 MGD

VOC Flow 0 gpm

Treated

9.65 MGD

29.6 AFD

6,701 gpm

IX Flow 1,907 gpm

NRV	Avg. Prod.
1	online
2	online
3	online
4	online

RO Flow 4,567 gpm

Train No.	Avg. Prod.
1	1,150 gpm
2	0 gpm
3	1,110 gpm
4	1,150 gpm
5	1,150 gpm



Summary of Activities:

- 2/7 RO #4 concentrate line blow out
- 2/8 Video inspection of Well I-5
- 2/9 Finished Train 5 element cleaning
- 2/11 SEC outages due to SCE work
- 2/12 Installed fence slats at Well I-20
- 2/13 Cannon onsite for programming
- 2/19 SCE started efficiency testing
- 2/20 Well I-5 pump reinstalled

*Air Problem

** Sand Problem

*** Cooling Problem



Technical Advisory Committee Meeting

Agenda Item

No. 3



Chino II Desalter

Summary of Activities

February 11 through February 19, 2019

VFD Speed	Well Name	Original Design Rate (gpm)	Current Production Rate (gpm)	Percent of Production	Operational (Yes/No)	Production Rate (gpm)	Status (Idle/Run)	Current Operations (gpm)
100%	II-1	2,000	1,761	11%	Yes	1,761	Run	1,761
Fixed	II-2	2,000	1,730	10%	Yes	1,730	Run	1,730
Fixed	II-3	2,000	1,779	11%	Yes	1,779	Run	1,779
100%	II-4	2,000	1,713	10%	Yes	1,713	Idle	0
100%	II-6	2,000	1,635	10%	Yes	1,635	Run	1,635
100%	II-7	1,200	919	6%	Yes	919	Idle	0
Fixed	II-8	1,500	1,165	7%	Yes	1,165	Run	1,165
Fixed	II-9a	2,000	1,853	11%	Yes	1,853	Idle	0
100%	II-10	3,700	2,175	13%	Yes	2,175	Run	2,175
100%	II-11	3,300	1,851	11%	Yes	1,851	Run	1,851
Total		21,700	16,581	76%	100%	16,581	73%	12,096
MGD		31.25	23.88			23.88		17.42

Note: (Low flow 8,300 gpm, 16 hours/day - High flow 11,000 gpm, 8 hours/day)

Treated	15.3 MGD
	47.0 AFD
	10,625 gpm

Raw Bypass Line Flow is 2650 gpm

IX Total Flow is 3350 gpm

NRV	Avg. Prod.
1	online
2	online
3	online
4	off
5	online
6	online
7	off
8	online

RO Total Permeate Flow is 5890 gpm

Train No.	Avg. Prod.
1	off
2	1,390
3	1,390
4	2,250
5	off

Treated Monthly Average	15.7 MGD
	48.2 AFD
	10,903 gpm

Summary of Activities:

- Aquasystec providing SCADA support.
- Daily Plant Rounds/Weekly Samples.
- JCSD staff calibrated instruments.
- IX Chem Scan Maintenance.
- Pump Check testing annual efficiency's



Technical Advisory Committee Meeting

Agenda Item

No. 5

CDA Fiscal Year 2019/20 Budget Preparation Schedule

Task/Milestone	Parties	Completion Date	# of weeks from 2/26/2019 TAC Mtg
Chino I O&M/CIP Budget	IEUA	03/26/2019	4 weeks
Chino II O&M/CIP Budget	JCSD	03/26/2019	4 weeks
Phase 3/South Archibald Plume	Sponsors/H&S	03/26/2019	4 weeks
CPO Budget Review Meeting	CDA/CPO's	04/01/2019	5 weeks
TAC Review	TAC	04/09/2019	6 weeks
TAC Review (If necessary)	TAC	04/23/2019	8 weeks
TAC Review (If necessary)	TAC	05/14/2019	11 weeks
Finance Committee Review	Finance	05/16/2019	11 weeks
Board of Directors Approval	Board	06/06/2019	14 weeks



Technical Advisory Committee Meeting

Agenda Item

No. 6

Recording requested by

CHINO BASIN DESALTER AUTHORITY

When recorded mail to:

c/o ALLISON E. BURNS, Esq.
Stradling Yocca Carlson & Rauth
660 Newport Center Drive, Suite 1600
Newport Beach, CA 92660

**NO RECORDING FEE REQUIRED PER
GOVERNMENT CODE, SECTION 27383**

APN 0218-311-07

GRANT OF PIPELINE EASEMENT

For valuable consideration, Conley Commerce Ontario East LP ("**Grantor**"), hereby grants to the CHINO BASIN DESALTER AUTHORITY, a California joint exercise of powers authority and to its successors and assigns ("**Grantee**"), a subterranean easement and right of way under and across the land hereinafter described to install, enlarge, replace, remove, repair, alter, operate, maintain, inspect and utilize subterranean water pipelines and their appurtenant facilities (the "**Easement**"). The real property subject to the **Easement** (the "**Easement Area**") is located in the County of San Bernardino, State of California, and is more particularly described as follows:

See Exhibits "A" (Description) and "B" (Plat) attached hereto and made a part hereof.

This grant of easement shall include the right and privilege of **Grantee** and its employees, contractors and workers to: (i) use the **Easement** for the following limited purposes: install, enlarge, replace, remove, repair, alter, operate, maintain, inspect and utilize subterranean water pipelines and their appurtenant facilities ("**Underground Facilities**"); (ii) using tools, equipment, machinery, and materials within the **Easement Area** as needed to construct and maintain the **Underground Facilities**, and (iii) trim or clear away any trees, brush, or other vegetation or flora, including the roots thereof, and remove improvements, if any, located within the **Easement Area** to install and maintain the Underground Facilities.

This **Easement** shall inure to the benefit of and be binding upon the **Grantor** and its assigns and its voluntary and involuntary successors in interest.

Following the construction of the **Underground Facilities**, **Grantee** shall restore the ground surface as nearly as possible to its original condition and contour which existed immediately prior to the commencement of work.

Grantor shall not materially change the grade over any Underground Facilities so as to materially affect its buried depth ranging from approximately 48 to 80 inches. Reasonable access to the existing pipeline, the proposed pressure reduction station, and their appurtenances shall be provided by the **Grantor** to the **Grantee** at all times.

Notwithstanding anything to the contrary contained in this **Easement**, **Grantor** shall have the right to use and enjoy the surface of the **Easement**; provided, however, **Grantor** shall not construct or install or permit the construction or installation of improvements at the Easement Area other than

those improvements necessary to maintain the existing use or a future use as a roadway, driveway access, parking lot, landscaped area or similar use.

Grantor, and his successors and assigns, further agree that no trees, buildings, additional fences, walls, or structures of any kind, shall be installed, constructed, erected, placed, planted on any portion of the easement and right-of-way without the express written consent of the **Grantee**. **Grantor**, and his successors and assigns, further agree that no further changes in the alignment or grading of any road constructed within the easement and right-of-way will be made without the prior written consent of the **Grantee**.

Grantor shall have the responsibility, at its own expense, to maintain the surface of the Easement, such as weed abatement, trash removal, erosion control, etc; the **Grantee** shall not be responsible to maintain the surface of the easement.

Grantor shall have the right, at its own expense, to install utilities in the Easement Area; provided the location and method of construction shall be approved by **Grantee** in advance.

Grantee shall have the right to assign or transfer, without limitation, all or any part of the perpetual rights and privileges granted herein.

IN WITNESS WHEREOF, **Grantor** has executed this instrument this _____ day of _____, 2019.

GRANTOR:

By: _____

NOTARY ACKNOWLEDGMENT
(California All-Purpose Acknowledgment)

STATE OF CALIFORNIA)
) SS.
COUNTY OF _____)

On _____, 2019, before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature (S E A L)

EXHIBIT "A"

LEGAL DESCRIPTION
OF EASEMENT AREA

Page 1 of 1

Exhibit "A"
Legal Description

The northerly 24.00 feet of the southerly 49.00 feet, as measured 49.00 feet distant from and parallel to the northerly line of the Jurupa Rancho Line per the Riverside Superior Court Case No. 31918 as shown on Record of Survey recorded in Record Survey Book 59, Page 70, Official Records of San Bernardino County, said line being also the Boundary Line between San Bernardino County and Riverside County, lying within the parcel of land described in the Grant Deed to Southern California Edison, recorded December 20, 1974 in Book 8581, Page 201 of Official Records of San Bernardino County.

Containing: 5,672 square feet or 0.130 acres of land, more or less.

Exhibit "B" attached hereto and made a part hereof.

Prepared by me or under my supervision:

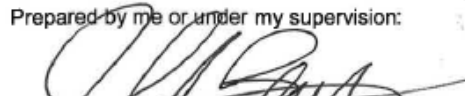
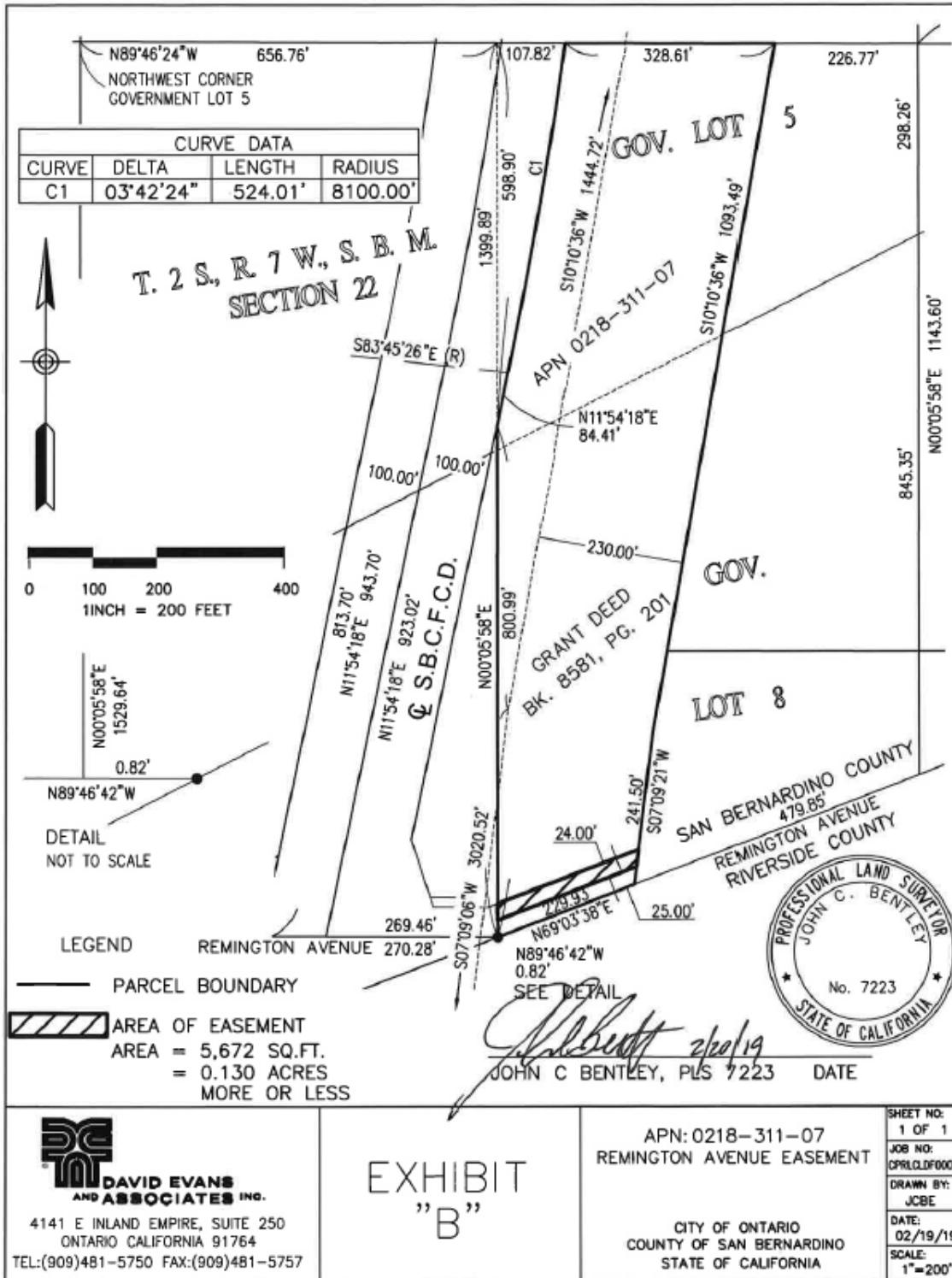

02/20/19
JOHN C. BENTLEY, P.L.S. 7223 DATE
LICENSE EXPIRES: 12/31/20



EXHIBIT "B"

PLAT



DE
DAVID EVANS
AND ASSOCIATES INC.
 4141 E INLAND EMPIRE, SUITE 250
 ONTARIO CALIFORNIA 91764
 TEL:(909)481-5750 FAX:(909)481-5757

EXHIBIT
 "B"

APN: 0218-311-07
 REMINGTON AVENUE EASEMENT

CITY OF ONTARIO
 COUNTY OF SAN BERNARDINO
 STATE OF CALIFORNIA

SHEET NO:
 1 OF 1
 JOB NO:
 DPRLODF0003
 DRAWN BY:
 JCBE
 DATE:
 02/19/19
 SCALE:
 1"=200'

CERTIFICATE OF ACCEPTANCE

This is to certify that the interest in real property conveyed by that certain Grant of Pipeline Easement to which this Certificate is attached from CONLEY COMMERCE ONTARIO EAST LP, to CHINO BASIN DESALTER AUTHORITY, a joint exercise of powers authority (“**Grantee**”), is hereby accepted by the undersigned officer or agent on behalf of the **Grantee**, pursuant to authority conferred by resolution of the Board of Directors adopted on _____, 2019, and the **Grantee** consents to recordation thereof.

Dated: _____, 2019

CHINO BASIN DESALTER AUTHORITY,
a joint exercise of powers authority

By: _____
Thomas O’Neill, General Manager



Technical Advisory Committee Meeting

Agenda Item

No. 10

Chino Basin Desalter Authority

Board Meeting Agenda Items

March 7, 2019 (Special)		TAC	Finance
Procurement of Chemicals	Garcia/CDA	2/12/2019	2/21/2019
Remington Pipeline Easement	O'Neill/CDA	2/26/2019	-
Chino Airport Plume Update	Closed Session	-	-
SAP/Phase 3 Expansion: Well II-12 Property Acquisition	Closed Session	-	-
General Manager Recruitment	Closed Session	-	-

April 4, 2019 (Regular)		TAC	Finance
Quarterly Financial Reports	Garcia/CDA	-	3/21/2019
Well Rehabilitation & Repair Contract	O'Neill/CDA	3/12/2019	3/21/2019
Helix Change Order	Miller/H&S	3/12/2019	3/21/2019
Quarterly Operations Report/Presentation	Minten/CDA	-	-
Quarterly Phase 3 Expansion Report/Presentation	Miller/H&S	-	-
Quarterly South Archibald Plume Report/Presentation	Miller/H&S	-	-
SAP/Phase 3 Expansion: Well II-12 Property Acquisition	Closed Session	-	-
Chino Airport Plume Update	Closed Session	-	-
General Manager Recruitment	Closed Session	-	-

FUTURE			
JCSD Agreement re: Well II-1 and Reconciliation of Costs	O'Neill/CDA		
Chino Airport Plume Program (May 2, 2019 Board)	O'Neill/CDA	4/9/2019	4/18/2019
CDA Budget FY 2019/20 (June 6, 2019 Board)	Garcia/CDA	4/23/2019	5/16/2019
Purchasing Policy Update			
Employee Manual			
SAP/Phase 3 Expansion: Well II-12 Property Acquisition			

* Items in blue will be reviewed by the Finance Committee

2019





Technical Advisory Committee Meeting

Agenda Item

No. 11

Chino Basin Desalter Authority

TAC Meeting Agenda Items

March 12, 2019
Meeting Minutes
Chino I Operations Report
Chino II Operations Report
Water Deliveries
JCSD Well II-1 Agreement and Reconciliation of Costs
Well Rehabilitation and Repair Contract
Helix Change Order
Phase 3 Expansion Update
South Archibald Plume Update
Chino Airport Plume Update
Board Meeting Agenda
New Business/Future Agenda Items
March 26, 2019
Meeting Minutes
Chino I Operations Report
Chino II Operations Report
Phase 3 Expansion Update
South Archibald Plume Update
Chino Airport Plume Update
Board Meeting Agenda
New Business/Future Agenda Items
FUTURE
FY 2019/20 Budget and 5-year CIP Projection (April 2019)
Purchasing Policy Update
Employee Manual Update