

CRESCENTA VALLEY WATER DISTRICT

2700 FOOTHILL BOULEVARD
LA CRESCENTA, CALIFORNIA

To be held on
April 20, 2021 at 2:30 PM

Agenda for the Meeting of the Engineering Committee
of the Crescenta Valley Water District

Posted April 19, 2021 at 2:30 PM

TELECONFERENCING NOTICE

[This meeting will be held by teleconference only.]

Pursuant to the provisions of Executive Order N-29-20 issued by Governor Gavin Newsom on March 18, 2020, the public may not attend the meeting in person.

Any member of the public may participate using a touchtone phone. You may select any of the following phone numbers (there are more than one for increased reliability during this time of increased phone traffic)

(669) 900-6833

(346) 248-7799

(929) 205-6099

(253) 215-8782

(301) 715-8592

(312) 626-6799

Then, enter Access Code: 864 0151 2439

[Pursuant to the above Executive Order, the public may not attend the meeting in person]

Those members of the public who are able to and would like to additionally participate with a computer through videoconference may access the Zoom videoconferencing tool available at the following link – <https://us02web.zoom.us/j/86401512439>

Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by contacting the District by phone or in writing at customerservice@cvwd.com. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that District staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the District to provide the requested accommodation.

Call to Order

Adoption of Agenda

Public Comment:

At this time, members of the public shall have an opportunity to address the Committee on items of interest that are within the subject matter jurisdiction of this Committee. This opportunity is non-transferable, and speakers are limited to three (3) minutes each. Under provisions of the Brow Act, the

Board is prohibited from taking action on items not listed on the agenda, except under certain circumstances.

Action Items

The public shall have an opportunity to comment on any action item as each item is considered by the Committee. This opportunity is non-transferrable, and speakers are limited to one two-minute (2) comment each.

1. Discussion of Long-Term Pipeline Replacement Schedule
2. Discussion of the Draft FY 21/22 Capital Improvement Project Budget
3. Discussion on Wastewater Lift Station Lease Agreement with City of La Canada Flintridge
4. Project Cost Update - FY 20/21 Capital Improvement Project Program

Committee Member's Request for Future Agenda Items

Next Engineering Committee Meeting – May 18, 2021

Adjournment

CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Information Item No. 1

April 20, 2021

To: Engineering Committee
From: David S. Gould, P.E. – Director of Engineering
Subject: Discussion of Long-Term Pipeline Replacement Schedule

BACKGROUND:

Staff has been discussing the overall pipeline replacement plan with respect to the Long-Term Infrastructure and Funding Roadmap over the past few months including the \$5M bond towards pipeline replacement.

Over the past several months, staff has been discussing with the Engineering Committee and the Board, various scenarios for pipeline replacement over the next 20-years including a 1) Avg LF/yr pipeline replacement and a 2) increasing pipeline replacement for 10-years and then decreasing for the next 10-years called “Pyramid” scenario. Attached is a summary table showing linear footage per year for each scenario.

DISCUSSION:

Budgeting and financing of the Long-Term pipeline replacement was discussed in-depth at the Finance Committee meeting on April 19, 2021, which resulted in two (2) funding scenarios that include bonds and PayGo financing.

Staff will present updated 5-year and 10-year CIP budgets at the Engineering Committee meeting that will include the long-term pipeline replacement schedule for discussion.

Prepared & Submitted by:



David S. Gould, P.E.
Director of Engineering

Scenario 1 - "Level" Pipeline Replacement Schedule				Scenario 2 - "Pyramid" Pipeline Replacement Schedule				Existing Pipeline Year - 1947 to 1967			Pipeline Breakdown by Age				
FY	Pipeline Replace ment LF/Yr	Cost/LF	Estimated Construction Cost	FY	Pipeline Replace ment LF/Yr	Cost/LF	Estimated Construction Cost	Year Pipeline Installed	Pipeline Length Installed per year (ft)	Year Pipeline Replaced based on 75- Year Cycle	2021	Years	Period	Length of Pipe (LF)	Percent of Pipe
2022	5,450	\$ 475	\$ 2,588,750	2022	5,450	\$ 475	\$ 2,588,750	1947	1,680	2022	1	>71 Yrs	1924 - 1950	14,950	3%
2023	11,150	\$ 496	\$ 5,530,000	2023	6,300	\$ 496	\$ 3,130,000	1948	4,560	2023	2	60 - 70 yrs	1951 - 1960	131,555	26%
2024	11,150	\$ 519	\$ 5,780,000	2024	7,200	\$ 519	\$ 3,730,000	1949	4,640	2024	3	50 - 60 yrs	1961 - 1970	114,810	23%
2025	11,150	\$ 542	\$ 6,040,000	2025	8,200	\$ 542	\$ 4,440,000	1950	1,810	2025	4	40 - 50 yrs	1971 - 1980	50,270	10%
2026	11,150	\$ 566	\$ 6,320,000	2026	9,400	\$ 566	\$ 5,320,000	1951	2,850	2026	5	30 - 40 yrs	1981 - 1990	40,850	8%
2027	11,150	\$ 592	\$ 6,600,000	2027	11,100	\$ 592	\$ 6,570,000	1952	1,820	2027	6	20 - 30 yrs	1991 - 2000	62,680	13%
2028	11,150	\$ 619	\$ 6,900,000	2028	12,300	\$ 619	\$ 7,610,000	1953	3,430	2028	7	10 - 20 yrs	2001 - 2010	62,470	12%
2029	11,150	\$ 646	\$ 7,210,000	2029	12,400	\$ 646	\$ 8,020,000	1954	13,910	2029	8	1 - 10 yrs	2011 - 2021	23,420	5%
2030	11,150	\$ 675	\$ 7,530,000	2030	13,300	\$ 675	\$ 8,980,000	1955	17,310	2030	Total			501,005	100%
2031	11,150	\$ 706	\$ 7,870,000	2031	14,500	\$ 706	\$ 10,240,000	1956	13,870	2031			\$237,977,375		
2032	11,150	\$ 738	\$ 8,220,000	2032	15,500	\$ 738	\$ 11,430,000	1957	12,340	2032			in 2021 dollars		
2033	11,150	\$ 771	\$ 8,600,000	2033	14,600	\$ 771	\$ 11,250,000	1958	12,735	2033					
2034	11,150	\$ 806	\$ 8,980,000	2034	14,000	\$ 806	\$ 11,280,000	1959	10,100	2034					
2035	11,150	\$ 842	\$ 9,390,000	2035	13,200	\$ 842	\$ 11,110,000	1960	43,190	2035					
2036	11,150	\$ 880	\$ 9,810,000	2036	12,400	\$ 880	\$ 10,910,000	1961	28,050	2036					
2037	11,150	\$ 919	\$ 10,250,000	2037	11,700	\$ 919	\$ 10,760,000	1962	11,750	2037					
2038	11,150	\$ 961	\$ 10,710,000	2038	11,000	\$ 961	\$ 10,570,000	1963	7,180	2038					
2039	11,150	\$ 1,004	\$ 11,190,000	2039	10,000	\$ 1,004	\$ 10,040,000	1964	9,640	2039		Pipeline Schedule	Pipe per year (miles)	Year Completed (Start 2021)	
2040	11,150	\$ 1,049	\$ 11,700,000	2040	9,500	\$ 1,049	\$ 9,970,000	1965	9,230	2040		75-Year	1.27	2096	
2041	11,150	\$ 1,096	\$ 12,220,000	2041	8,400	\$ 1,096	\$ 9,210,000	1966	11,510	2041		85-Year	1.12	2106	
2042	11,255	\$ 1,146	\$ 12,890,000	2042	8,105	\$ 1,146	\$ 9,280,000	1967	6,950	2042		100-Year	0.95	2121	
Total	228,555		\$ 176,328,750	Total	228,555		\$ 176,438,750	Total	228,555			200-Year	0.47	2221	
Notes:															
1. Existing Pipeline Replacement - 20-year Period from 1947 to 1967 = 228,555 LF															
2. Estimate Cost per Linear Foot based on 2021 Construction Costs of \$475/LF															
3. Estimated Construction Cost to replace one (1) mile of Pipeline = \$2.5M (2021 dollars)															
4. Assume Annual Construction Cost Inflation = 4.5%															

CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Information Item No. 2
April 20, 2021

To: Engineering Committee
From: David S. Gould, P.E. – Director of Engineering
Subject: Discussion of Draft FY 21/22 Capital Improvement Project Budget

BACKGROUND:

Staff has been discussing the draft FY 21/22 Capital Improvement Project (CIP) budget with respect to the Long-Term Infrastructure and Funding Roadmap over the past few months including future financing through bonds and/or PayGo.

DISCUSSION:

Budgeting and financing of the FY 21/22 Capital Improvement Project was discussed in-depth at the Finance Committee meeting on April 19, 2021. Attached is the draft FY 21/22 Capital Improvement Project for discussion.

Prepared & Submitted by:

A handwritten signature in blue ink, appearing to read 'D. Gould', is written over a horizontal line.

David S. Gould, P.E.
Director of Engineering

Crescenta Valley Water District

FY 21/22 Capital Improvement Project Priority List

Capital Improvement Project Program	Budget FY 21/22	Category	Bond (B) or PayGo (P)	Cumulative Estimated Costs	Completion Date	Project Description
Bond Proceeds						
Annual Pipeline Replacement - 5,450 LF	\$ 1,795,326	Water Distribution	B	\$ 1,795,326	Jun-22	Pipeline Replacement - 2800 to 3100 Blocks of Los Olivos; 3200 Block of Alabama, 4700 & 4800 Blocks of Cheryl & 3300 Block of Thema - Total 5,450 LF; 69% Bond Funding
Bond Proceeds Subtotal	\$ 1,795,326					
Pay-Go						
Annual Pipeline Replacement - 5,450 LF	\$ 804,674	Water Distribution	P	\$ 804,674	May-22	Pipeline Replacement - 2800 to 3100 Blocks of Los Olivos; 3200 Block of Alabama 4700 & 4800 Blocks of Cheryl & 3300 Block of Thema - Total 5,450 LF; 31% Pay-Go Funding
Steel Reservoir Rehabilitation - Edmund #2	\$ 590,000	Water Storage	P	\$ 1,394,674	Mar-22	Reservoir Rehabilitation - Structural repairs and re-coating at Edmund #2 Reservoir during low demand (Winter) season
Well 14 Rehabilitation	\$ 105,000	Water Supply	P	\$ 1,499,674	Jan-22	Well Rehabilitation - Remove & Inspect Well Pump & Casing, Chemical Treatment Well Casing, Pump Test, New Pump & Motor
PRS - Zone 2 to Zone 1/Upgrade - Ramsdell Mixing Station	\$ 728,000	Water Distribution	P	\$ 2,227,674	Jun-22	New Pressure Reducing Station & Upgrade Ramsdell Mixing Station - <u>Continuation from FY 20/21</u> - Construction of PRS from Zone 2 to zone 1 & Upgrade to Ramsdell Mixing Station
Replacement - SCADA System	\$ 374,000	Technology	P	\$ 2,601,674	Dec-21	Replacement of SCADA System - <u>Continuation from FY 20/21</u> - Completion of the replacement of RTU/PLC Equipment including new equipment, programing, integration and testing
Replacement - Communication Radio Network	\$ 125,000	Technology	P	\$ 2,726,674	Sep-21	Replacement of SCADA Radio Communication System - <u>Continuation from FY 20/21</u> - Completion to Upgrading Radio System to 5.8GHz radios
AMI - 3/4" to 1" - Smart Meters & AMI Customer Portal	\$ 520,000	Technology	P	\$ 3,246,674	Feb-22	Advanced Metering Infrastructure (AMI) - <u>Continuation from FY 20/21</u> 1) Install 590 3/4" and 1" water meters in Zone 1 2) Install AMI Customer Engagement Portal 3) Install 3" & 4" meters - USBR Grant
Annual Booster Pump Replacement	\$ 53,000	Water Distribution	P	\$ 3,299,674	Jan-22	Booster Pump Replacement - Replace 15-yr and older booster pump with new pump assembly and high efficiency motor - Replace Booster 26 at Cresta Heights Reservoir
Stormwater Recharge CVC Park - Planning	\$ 30,000	Water Supply	P	\$ 3,329,674	Jun-22	Stormwater Recharge - <u>Continuation from FY 20/21</u> - Concept plan, grant funding options and coordination with stakeholders
Disinfection - Conversion to Chloramines	\$ 75,000	Water Treatment	P	\$ 3,404,674	Dec-21	Disinfection Changeover - Utilizing a consultant to assist operations staff with conversion, monitoring and standard operating procedures
Pay-Go Subtotal	\$ 3,404,674					
Total CIP	\$ 5,200,000					

CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Information Item No. 3

April 20, 2021

To: Honorable President and Members of the Board of Directors
From: David S. Gould, P.E. – Director of Engineering
Subject: License Agreement - New Emergency Electrical Generator at the La Granada Wastewater Lift Station, Project S-962

ACTION ITEM:

License Agreement between City of La Canada Flintridge and Crescenta Valley Water District – La Granada Lift Station, Project S-962 – Consideration and motion to authorize the General Manager to enter into a license agreement with the City of La Canada Flintridge for the new emergency electrical generator and maintenance and operations at the La Granada Lift Station.

BACKGROUND:

CVWD has an existing wastewater lift station located at 1901 La Granada Way, next to Glenhaven Park, that collects sewage from about 35 homes. The wastewater lift station has a capacity of about 3,000 gallons and typically operates for about an hour a day to pump wastewater into the collection system.

The City of La Canada Flintridge (LCF) had concerns about the location and operations of the lift station, since it is located within Glenhaven Park, which is owned by LCF. The lift station was installed in 1985 and no records were found regarding any previous easement or agreement for the lift station between CVWD and LCF.

DISCUSSION:

Staff has been working with LCF on the preparation of a license agreement (Agreement) between CVWD and LCF over the past couple of months. The attached Agreement includes the installation of the new emergency generator, the repair, replacement, operation, and maintenance of CVWD's wastewater lift station and landscape maintenance around the lift station. The Agreement has been reviewed by CVWD's legal counsel and LCF's City Attorney. LCF stated that construction cannot begin until the agreement is approved by CVWD's Board and LCF's City Council.

The project was awarded at the February 23, 2021 Board Meeting to Affordable Generator Services, Inc. (AGS) Cannon (CVWD's design consultant) indicated that from their experience, the lead time on the emergency electrical generator could take up to 16 weeks. Shop drawings have been reviewed and should be approved within the next two weeks. The emergency generator manufacturer Cummins Inc. indicated that production is behind due to Covid-19. Staff is anticipating construction to begin in July or August 2021, which will allow for the agreement to be approved prior to beginning construction.

RECOMMENDATION:

It is staff's recommendation to authorize the General Manager to enter into a license agreement with the City of La Canada Flintridge for the new emergency electrical generator and maintenance and operations of the La Granada Lift Station.

FUNDING AVAILABILITY:

Not Applicable

Prepared by:



David S. Gould, P.E.
Director of Engineering

Attachments:

1. License Agreement (Agreement) between CVWD and LCF

Submitted by:



Nem Ochoa
General Manager

**RECORDING REQUESTED BY
AND WHEN RECORDED, RETURN TO:**

City of La Cañada Flintridge
One Civic Center Drive
La Cañada Flintridge, CA 91011
Attn: City Clerk

APN.5810-019-901
Documentary Transfer Taxes \$0

SPACE ABOVE THIS LINE FOR RECORDER'S USE
Exempt from recording fees per Govt Code 27383

LICENSE AGREEMENT

This License Agreement ("**Agreement**") dated _____, 2021 is made by and between the CITY OF LA CAÑADA FLINTRIDGE, a California general law city, ("**Licensor**") and the CRESCENTA VALLEY WATER DISTRICT, a County water district ("**Licensee**").

RECITALS:

A. Licensor owns that certain real property in the City of La Cañada Flintridge, County of Los Angeles, State of California, identified as Assessor's Parcel Number 5810-019-901 and legally described in Exhibit A ("**Property**").

B. Licensee has constructed and is currently operating a sewer lift station ("**Licensee's Facilities**") on the entirety of the Property as depicted in Exhibit B ("**License Area**"). Any documents evidencing the prior agreement between Licensor and Licensee cannot be located.

C. Licensee has requested the right to install a diesel powered back-up generator ("**Generator**") adjacent to the Licensee's Facilities and Licensor has agreed to same and to continue Licensee's use of the License Area pursuant to the terms and conditions in this Agreement.

NOW, THEREFORE, the parties agree as follows:

AGREEMENT:

- 1. Recitals.** The forgoing recitals are incorporated herein by reference.
- 2. Grant of License.** Pursuant to the terms and conditions of this Agreement, Licensor grants to Licensee and Licensee agrees to accept a license ("**License**") to install a diesel powered back-up generator ("**Generator**") as part of Licensee's Facilities, and for repair, replacement, operation and maintenance of Licensee's Facilities, which will include the Generator, in the License Area. Licensee may not use the License Area for any other purpose without the prior written consent of Licensor.
- 3. Effective Date.** This Agreement shall be effective as of the date it is recorded in the Official Records of Los Angeles County ("**Effective Date**"). Licensee shall deliver the executed and acknowledged copy of this Agreement to Licensor which shall execute and cause it to be recorded in the Official Records of Los Angeles County ("**Official Records**") and promptly deliver a recorded copy to Licensee. The indemnity in Section 8 is deemed to have been in effect since the date of installation of the original License Facilities.
- 4. Covenants.** At all times Licensee shall use due care in exercising the License. Licensee shall use and operate the Licensee Facilities so as to not unreasonably disturb the real property adjacent to the License Area. Licensee agrees that any and all installation, alteration, replacement, and removal of Licensee's Facilities shall be subject to Licensor's prior written approval, which shall not be unreasonably withheld, conditioned, or delayed. Licensee shall provide written notice to Licensor at least ten (10) days

prior to commencing installation of the Generator at Licensee's Facilities. The Generator shall be installed at Licensee's sole expense in accordance with an installation plan approved by Licensor in writing, applicable permits and approvals issued by the City of La Cañada Flintridge and any other governmental agencies having jurisdiction over the License Area or the License Facilities. At Licensee's sole cost and expense, Licensee shall (i) continuously comply with all applicable laws including, but not limited to, those applicable to public work projects and the use and operation of the License Facilities; and (ii) maintain the License Facilities in good, safe condition and repair (including prompt removal of any graffiti). Licensee shall promptly repair any damage to Licensee's Facilities and the License Area and any damage to the area adjacent to the License Area. If Licensee does not commence and diligently pursue to completion such repairs within ten (10) days of written demand Licensor may enter the License Area and make all necessary repairs, and Licensee shall reimburse Licensor for all costs incurred by Licensor in making such repairs within thirty (30) days following a written demand from Licensor. If such amount is not paid within ten (10) days of receipt of the invoice, such amount shall bear interest at the rate of ten percent (10%) per annum until paid in full. If Licensor makes repairs to the License Area, Licensee shall hold Licensor harmless for any damage to Licensee's Facilities unless caused by Licensor's gross negligence or willful misconduct.

5. **Landscape Maintenance.** At all times Licensee shall maintain all landscape within the License Area, including, but not limited to watering, fertilizing, and removal and replacement of any dead vegetation, as well as maintenance of the irrigation system within the License Area. Any alteration to the landscape within the License Area shall be subject to Licensor's prior written approval.

6. **Possession; No Right to Transfer.**

(a) **Possession.** Licensee has been and is in possession of the License Area and been and are operating and maintaining the Licensee's Facilities since 1985. Licensee acknowledges and accepts the Lease Area in AS-IS condition without any representation or warranty by Lessor of its condition.

(b) **No Right to Transfer.** This License is personal to Licensee and may not be assigned or transferred, directly or indirectly, without the Licensor's prior written consent. Licensee has no right to use any other portion of the Property.

(c) **Duty to Cooperate.** Upon Licensor's written request, Licensee shall execute and acknowledge documents requested by Licensor to effectively remove this Agreement from title to the Property.

7. **Conditions and Reservations.** This Agreement is subject to: (i) all matters of record against the Property; and (ii) Licensor's reserved right to use the License Area so long as such use does not unreasonably interfere with the rights of Licensee.

8. **Indemnification.** Licensee agrees to indemnify, defend (by counsel selected by Licensee and reasonably acceptable to Licensor) and hold harmless Licensor, and its agents, employees, invitees, licensees and contractors ("**Licensor Parties**"), and each of their respective successors and assigns, from and against any and all proceedings, actions, claims, demands, obligations, damages (excluding consequential and indirect damages), costs, losses, expenses (including without limitation, reasonable attorneys' fees) and liabilities arising out of or incurred in connection with: (i) the exercise of the rights or obligations of Licensee or its agents, employees, invitees, licensees and contractors ("**Licensee Parties**") hereunder; (ii) the release of any hazardous substance on License Area in connection with the acts or omissions of Licensee, or the Licensee Parties; (iii) the entrance of the Licensee or Licensee Parties onto License Area, (iv) the violation of any environmental laws related to the acts or omissions of the Licensee or the Licensee Parties; and/or (v) any breach by Licensee or the Licensee Parties of any of the covenants or provisions set forth herein, except to the extent such claims are caused by the gross negligence or willful misconduct of Licensor or the Licensor Parties. If the Licensor or any Licensor Party is made a party to any action, proceeding, or litigation commenced by or against Licensee or as a result of the actions or omissions of Licensee or the Licensee Parties, then Licensee shall defend (by counsel selected by Licensee and reasonably acceptable to Licensor), protect and hold the Licensor harmless from and shall pay all costs, expenses and reasonable attorney's fees incurred by the Licensee in

connection with such litigation. Notwithstanding anything to the contrary herein, Licensors and Licensee agree that the preceding indemnification obligation expressly excludes, and in no event shall Licensee have any responsibility or liability for, any proceedings, actions, claims, demands, obligations, damages, costs, losses, expenses, or liabilities arising out of or incurred in connection with any preexisting condition in, on, or of the License Area (including, without limitation, any hazardous substances discovered during the exercise of rights under this Agreement which existed prior to Licensee's entrance upon License Area, unless any such condition is exacerbated by Licensee's work or other activities on the License Area). However, Licensors make no representations or warranties of any type or kind whatsoever concerning the condition of the License Area, its suitability for Licensee's intended use of same, or any other aspect of same, and Licensee hereby accepts same in its AS-IS, WHERE-IS, WITH ALL FAULTS condition, which acceptance is re-affirmed by Licensee each time it enters or otherwise makes use of the License Area or Licensee's Facilities.

9. Amendment or Modification. This Agreement may be amended or modified in writing executed by the parties and recorded in the Official Records. However, Licensors shall have the right to execute a termination of this Agreement in accordance with its rights in Section 10 and to record same in the Official Records.

10. Termination. Except as set forth below, this License may be terminated by the Licensors for any reason upon six (6) months prior written notice to Licensee. However, upon commencement of installation of the Generator, this License shall be deemed irrevocable as a license coupled with an interest for a period of twenty (20) years from the Effective Date. Notwithstanding the foregoing, Licensors may terminate this Agreement if (i) Licensee (or any of its contractors, agents, employees) breaches this Agreement and fails to cure such breach within thirty (30) days of receipt of written notice from Licensors; (ii) public health and/or safety requires Licensee's Facilities to be closed; or (iii) Licensee's abandonment of the Licensee's Facilities which shall be deemed to occur after six (6) months of continuous non-use. Upon any such termination, Licensee shall, at Licensee's sole cost and expense, promptly remove Licensee's Facilities and restore the License Area to a safe and clean condition.

11. Successors and Assigns. All the covenants and provisions of this Agreement shall be binding upon and inure to the benefit of the successors, legal representatives and assigns of the Licensors and Licensee to the same extent and effect as the same are binding upon and inure to the benefit of the parties hereto.

12. Notices. All notices, documents, correspondence and communications concerning this Agreement shall be addressed as set forth below, or as the parties may hereafter designate by written notice, and shall be sent through the United States mail with postage prepaid, certified or registered, return receipt requested. Any such mailing shall be deemed served or delivered upon the earlier of actual receipt or the date receipt is refused. Each party may change the address for notices by giving the other party at least ten (10) days' prior written notice of the new address. Notwithstanding the above, either party may also provide notices, documents, correspondence, or such other communications to the other by personal delivery or by Federal Express or similar courier service and so given shall be deemed to have been given upon receipt.

To Licensors:

City of La Cañada Flintridge
One Civic Center Drive
La Cañada Flintridge, CA 91011
Attn: Director of Public Works

With a copy to:

City of La Cañada Flintridge
One Civic Center Drive
La Cañada Flintridge, CA 91011
Attn: City Attorney

To Licensee:

Crescenta Valley Water District
2700 Foothill Boulevard
La Crescenta, CA 91214
Attn: General Manager

13. Attorney Fees. In any action or proceeding brought to enforce or interpret any provision of this Agreement, the prevailing party shall be entitled to recover its attorney fees from the other party.

14. Authority. Each party represents and warrants to the other party that this Agreement has been duly authorized and executed and constitutes the legally binding obligation of their respective organization or entity, enforceable in accordance with its terms.

15. Interpretation. The section headings used in this Agreement have been inserted for convenience only and shall not be considered or referred to in resolving questions of interpretation or construction. Whenever the context hereof may so require, the singular shall include the plural and the masculine shall include the feminine and neuter. This Agreement shall be construed according to its fair meaning without regard to authorship.

16. Final Agreement. This Agreement contains the entire understanding and agreement with respect to the subject matter of this Agreement and all prior or contemporaneous documents, communications, understandings, representations, and statements shall be of no force or effect.

17. No Waiver. The failure to enforce any term, covenant, or condition of this Agreement shall not be construed as a waiver of the right to enforce this, or any other, term, covenant, or condition of this Agreement.

18. Exhibit. Exhibit A and B are attached hereto and incorporated herein by reference.

IN WITNESS WHEREOF, this Agreement is executed by the parties as of the dates specified below.

LICENSEE:

CRESCENTA VALLEY WATER DISTRICT,
a County water district

By: _____
Sharon Raghavachary, Board President

Date: _____, 2021

ATTEST:

_____, _____ Clerk

APPROVED AS TO FORM:

By: _____
_____, General Counsel

LICENSOR:

CITY OF LA CAÑADA FLINTRIDGE,
a California municipal corporation

By: _____
Michael T. Davitt, Mayor

Date: _____, 2021

ATTEST:

Tania Moreno, City Clerk

APPROVED AS TO FORM:

ALESHIRE & WYNDER, LLP

By: _____
Adrian Guerra, City Attorney

SIGNATURES MUST BE NOTARIZED

EXHIBIT A

LEGAL DESCRIPTION OF PROPERTY

[Attached]

JAN 17 1973

264

Title Officer: C. Hamilton

INTERSTATE

6787867

RWPE:NELSON 11-10-70 (Part)
Written by: DEN Checked by: HEV
GRANT DEED
(CORPORATION)

DOCUMENTARY TRANSFER TAX \$ <u>none</u>
☒ COMPUTED ON FULL VALUE OF PROPERTY CONVEYED
☐ OR COMPUTED ON FULL VALUE LESS LIENS AND ENCUMBRANCES REMAINING AT TIME OF SALE.
<u>C. Hamilton - Title Insurance & Trust Co.</u> Signature of Declarant or Agent determining tax. Firm Name

SPACE ABOVE THIS LINE FOR RECORDER'S USE

Glenhaven Drive at Purtell Drive

DISTRICT	COUNTY	ROUTE	POST MILE	NUMBER
07	LA	210	18.8	42620

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,
THE COUNTY OF LOS ANGELES, a body corporate and politic,

~~corporation organized and existing under and by virtue of the laws of the State of~~
does hereby GRANT to the STATE OF CALIFORNIA all that real property in the unincorporated
portion of the, County of Los Angeles, State of California, described as:

PARCEL 1:

That portion of Lot A of Tract No. 5216, as per map recorded in Book 56, page 33 of Maps, in the office of the County Recorder of said county, lying Southwesterly of a line parallel with and distant Southwesterly 21.00 feet, measured at right angles or radially, from the following described line:

Beginning at a point in the Westerly line of Oak Drive, 30.00 feet wide, as shown on said map, distant thereon N 0° 33' 06" E, 350.68 feet from the Northerly line of Glenhaven Drive, 70.00 feet wide, shown as Canon Drive on said map; thence S 69° 22' 06" E, 123.09 feet to a tangent curve concave Southwesterly and having a radius

Free Recording Requested
Essential to Acquisition by
State Division of Highways
(See 6103 Gov. Code) Robert Pollock, Sr. R/W Agent

Robert Pollock

T.I. REC JAN 17 1973

PUBLIC AGENCY - NO TAX STATEMENT

264

JAN 17 1973

T.I. REC

JAN 17 '73

of 500.00 feet; thence Southeasterly along said curve through an angle of $13^{\circ} 00' 05''$, an arc distance of 113.46 feet; thence tangent S $56^{\circ} 22' 01''$ E, 318.29 feet to a tangent curve concave Southwesterly and having a radius of 500.00 feet; thence Southeasterly along said last-mentioned curve through an angle of $9^{\circ} 21' 18''$, an arc distance of 81.64 feet; thence tangent S $47^{\circ} 00' 43''$ E, 179.08 feet.

PARCEL 2:

That portion of said Lot A described as follows:

Beginning at the intersection of the Easterly line of said lot, with a line parallel with and distant Northeasterly 48.00 feet, measured at right angles, from the Northeasterly line of the land described above in PARCEL 1; thence along said last-mentioned parallel line, N $56^{\circ} 22' 01''$ W, 58.06 feet to a tangent curve concave Easterly and having a radius of 15.00 feet; thence Northwesterly, Northerly and Northeasterly along said last-mentioned curve through an angle of $156^{\circ} 29' 51''$, an arc distance of 40.97 feet; thence along the Northerly prolongation of a radial line to said last-described curve, N $10^{\circ} 07' 50''$ E, 10.00 feet to the Southerly line of Parkdale Place, 20.00 feet wide, shown as Park Place on said map; thence along said Southerly line as follows: Westerly along a curve concave Southerly and having a radius of 115.00 feet, from a tangent which bears N $77^{\circ} 36' 10''$ W, through an angle of $0^{\circ} 45' 31''$, an arc distance of 1.52 feet and tangent N $78^{\circ} 21' 41''$ W, 46.77 feet; thence leaving said Southerly line, Southeasterly, Southerly and Southwesterly along a tangent curve concave Southwesterly and having a radius of 10.00 feet,

264

JAN 17 1973

T.I. REC
JAN 17 '73

through an angle of $111^{\circ} 59' 40''$, an arc distance of 19.55 feet;
thence tangent S $33^{\circ} 37' 59''$ W, 15.58 feet to a line parallel with
and distant Northeasterly 43.00 feet, measured at right angles, from
said Northeasterly line; thence along said last-mentioned parallel
line N $56^{\circ} 22' 01''$ W, 60.92 feet to the Northwestern line of said
lot; thence Southwesterly and Southerly along said Northwestern and
the Westerly lines, respectively, of said lot to said Northeasterly
line of PARCEL 1; thence Southeasterly along said Northeasterly line
to said Easterly line; thence Northerly along said Easterly line to
the point of beginning.

This conveyance of PARCEL 1 is made for the purposes of a freeway
and the grantor hereby releases and relinquishes to the grantee any
and all abutter's rights, including access rights, appurtenant to
grantor's remaining property, in and to said freeway.

DESCRIPTION APPROVED
MAY 16 1972
HARVEY T. BRANDT
County Engineer
BY *[Signature]* DEPUTY

264

By *[Signature]*
Deputy

APPROVED *[Signature]*

JAN 17 1973

T.I. REC
JAN 17 73

The grantor further understands that the present intention of the grantee is to construct and main. in a public highway on the lands hereby conveyed in fee and the grantor, for itself, its successors and assigns, hereby waives any claims for any and all damages to grantor's remaining property contiguous to the property hereby conveyed by reason of the location, construction, landscaping or maintenance of said highway.

IN WITNESS WHEREOF, said corporation has caused its corporate name to be hereunto subscribed and its corporate seal to be affixed hereto, this 29th day of September, 1972

BY: Warren M. Dorn Warren M. Dorn
Chairman, Board of Supervisors, County of Los Angeles

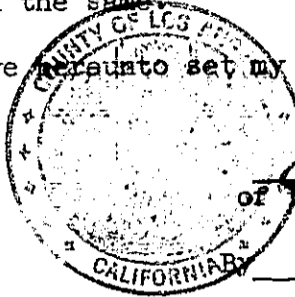
(SEAL)

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) ss:

On this 29th day of September, 1972 Before me,
JAMES S. MIZE Executive Officer-Clerk of the Board

of Supervisors of the County of Los Angeles, State of California, residing therein, duly commissioned and sworn, personally appeared WARREN M. DORN known to me to be the Chairman of the Board of Supervisors of the County of Los Angeles and the person who executed the within instrument on behalf of the County therein named, and acknowledged to me that such County executed the same.

In witness whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.



James S. Mize Executive Officer-
of the Board of Supervisors
James S. Mize
DEPUTY

(CERTIFICATE OF ACCEPTANCE, GOVT. CODE, SECTION 27281)

THIS IS TO CERTIFY, That the State of California, grantee herein, acting by and through the Department of Public Works, Division of Highways, hereby accepts for public purposes the real property, or interest therein, conveyed by the within deed and consents to the recordation thereof.

IN WITNESS WHEREOF, I have hereunto set my hand this 7th day of December, 1972

JAMES A. MOE Director of Public Works
By Richard S. Harris

RICHARD S. HARRIS
Right of Way Agent and Attorney in Fact
Division of Highways
Richard S. Harris

Approved as to Form
John D. Maharg
County Counsel

By Louise Cony
Deputy

264

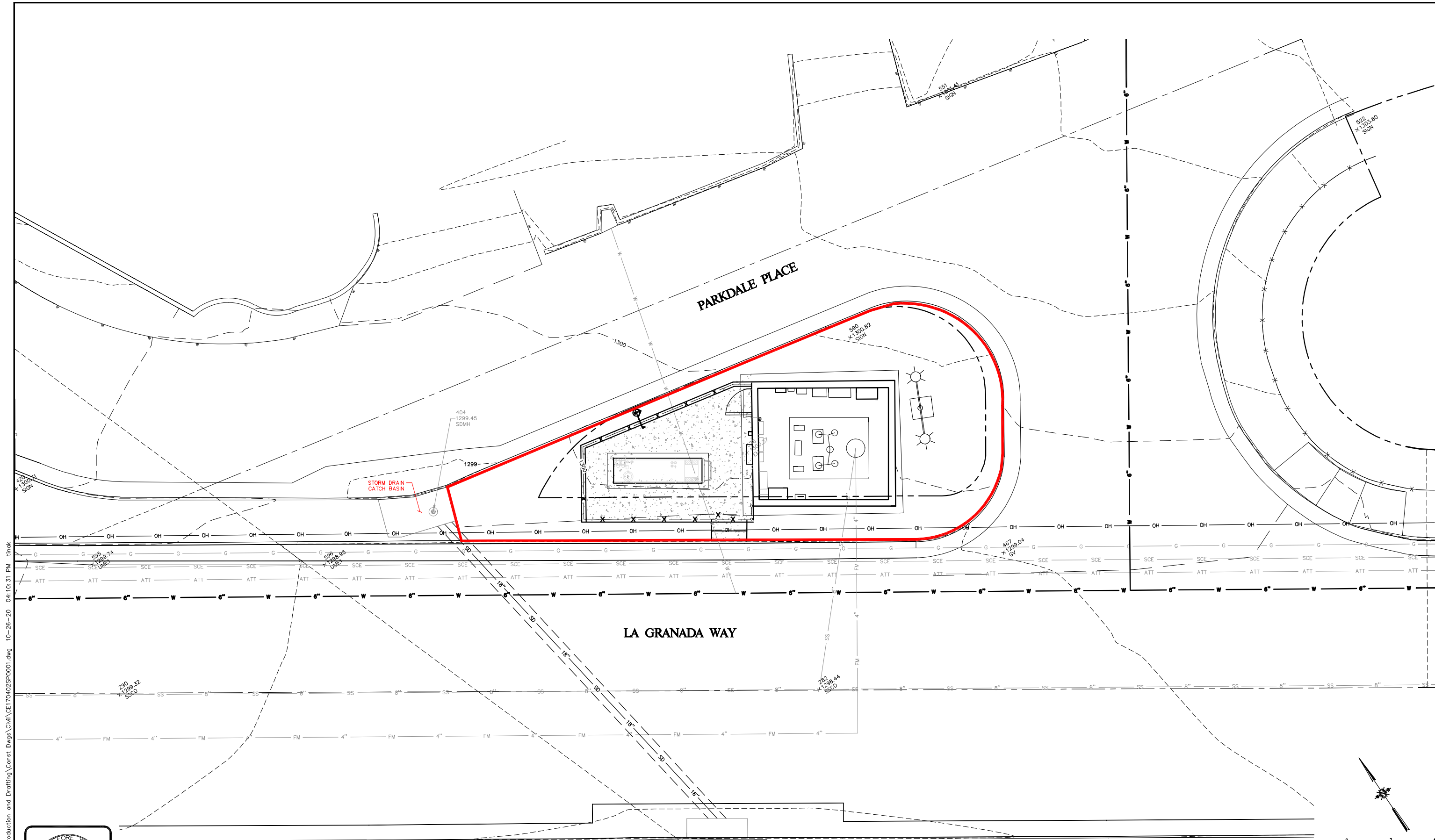
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EXHIBIT B

DEPICTION OF LICENSE AREA

[Attached]

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CA. PROJ. NO.
170402

THESE DRAWINGS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF CANNON. ALL DESIGNS AND INFORMATION ON THESE DRAWINGS ARE FOR USE OF THE SPECIFIED PROJECT AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF CANNON.

DISCLAIMER

Approval by C.V.W.D. does not constitute a representation as to the accuracy of design or the existence and location of underground utilities, structures, and conditions within the limits of this project.

REV.	DATE	REVISION	REV. BY	CKD. BY	APP'D
0	09/30/20	ISSUED FOR CONSTRUCTION	TK	GR	GR

SCALE:	AS SHOWN	DATE
DRAWN BY:	TK	09/30/2020
CHECKED BY:	GR	09/30/2020
APPROVED:	GR	-
AS BUILT:		

CRESCENTA VALLEY WATER DISTRICT

LA GRANADA LIFT STATION

CIVIL SITE PLAN

SHT. 02 OF 17 SHTS.	
JOB NO. S-962	FILE NO.

[illegible]

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

Notary Public

1

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

STATE OF CALIFORNIA)
) ss.
COUNTY OF _____)

On _____, 2021 before me, _____,
a 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.

Notary Public

SEAL:

CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Information Item No. 4
April 20, 2021

To: Engineering Committee
From: David S. Gould, P.E. – Director of Engineering
Subject: Project Update – April 2021 - FY 20/21 Water Capital Improvement Program

BACKGROUND:

The Board approved the FY 20/21 Water Budget at the June 9, 2020 meeting with \$2.3M available for CIP projects. The Board also agreed to pursue refinancing CVWD's existing bond debt and requesting additional funding, totaling \$5M available for FY 20/21 CIP. The \$5M Bond process was completed on September 15, 2020.

DISCUSSION:

The following is the **March 2021** update of the progress and schedule for the FY 20/21 CIP projects. Project costs are shown on the attached Updated Project Cost Summary:

1. **Steel Reservoir Rehabilitation – Rosemont Reservoir** – This project is for the structural repairs and re-coating of the reservoir interior to maintain the District's water storage capacity and to increase the life expectancy of the steel tank.
Progress: Harper and Associates Engineering (Harper) and staff completed the design, and the project was awarded to Crosno Construction.
Project Schedule: On Schedule
 - April 2021 – Exterior completed
 - May 2021 – Anticipate reservoir back in service.
2. **Annual Pipeline Replacement** – This project is for the replacement of steel pipelines that are at least 50-years old or older in a timely manner.
 - A. **Project 1 & 2:** Replacement of 4-inch & 6-inch pipelines on the 2400 & 2500 Blocks of Janet Lee (Project 1), and the 4300 Block of Rosemont (Project 2).
Progress: Staff completed design, and project was awarded to Brkich Construction.
Project Schedule: On Schedule
 - April 2021 – 85% complete – 2400 & 2500 Blocks of Janet Lee
 - April 2021 – 25% complete – 4300 Block of Rosemont
 - June 2021 – Anticipate work to be completed.
 - B. **Projects 3:** Replacement of 8-inch pipeline on the 3400 & 3500 Blocks of Encinal (Project 3)
Progress: Civiltec and staff completed the design and project awarded to T.E. Roberts Const.
Project Schedule: On Schedule
 - April 2021 – 85% complete
 - May 2021 – Anticipate work to be completed.
 - C. **Projects 4:** Replacement of 4-inch, 6-inch & 8-inch pipelines on the 4800 Block of Dyer, 2800 Block of El Caminito, 4800 Block of Glenwood, 2800 Block of Stevens and 2700 Block of Paraiso Way (Project 4).
Progress: Civiltec and staff completed the design and project was awarded to Brkich Construction.
Project Schedule: On Schedule
 - May 10, 2021 – Begin Construction
 - July 2021 – Anticipate work to be completed.

3. **Local Hazard Mitigation Plan** - CVWD awarded a grant from Cal OES and FEMA to prepare a Local Hazard Mitigation Plan (LHMP) to address high priority hazards related to its water and sewer systems during a drought, energy shortage/outage, wildfire, earthquake, terrorism or cyber-attack. The total grant amount to prepare a local hazard mitigation plan is \$165,000, with \$125,000 grant funding from FEMA and \$40,000 funding from CVWD.

Progress: Steering Committee Meeting #7 on 4/21/21, LHMP Core Team meets bi-weekly to coordinate the plan, and information is updated regularly on CVWD's website

Project Schedule: On Schedule

- April 15, 2021 – Presentation to Crescenta Valley Town Council
- April 21, 2021 – Public Meeting
- LHMP to be completed by October 2021.

4. **New Emergency Generator at La Granada Sewer Lift Station** – Installation of a new emergency electrical generator at the sewer lift station.

Progress: Cannon and staff have completed the design and project was awarded to Affordable Generator Services.

Project Schedule: On Schedule

- April 2021 – Shop drawing approved.
- July 2021 – Anticipated delivery date for emergency generator.
- July 2021 – Anticipated construction to begin.

5. **Advanced Metering Infrastructure (AMI) Program** – This project has two (2) components: 1) replacement of ¾" & 1" meters with new Sensus iPERL "Smart Meters" in Pressure Zones 1 & 2, and 2) installation of the AMI network communication system.

Progress: Field crews have replaced around 447, ¾-inch & 1-inch, water meters for FY 20/21. Esource completed the RFQ, and the contract was awarded to Aqua Metric for the AMI network communication system.

Project Schedule: On Schedule

- April 2021 – Completed AMI network communication system & installation of 100 meters for proof of concept.
- May to July 2021 – Analysis of data and incorporating into customer billing system.
- May 2021 – Review Opt-Out policy.
- May 2021 – Discussion of Customer Engagement Platform with staff.

6. **Replacement of SCADA Communication Radio Network** – CVWD has an existing radio communication network that operates on the 900 MHz radio frequency. In the past year, the radio system has seen interference with other communication devices, and the equipment, which was installed 7 years ago, is nearing the end of its useful life and has been malfunctioning.

Progress: Staff completed the RFP and awarded the contract to Systems Integrated to prepare a SCADA radio feasibility study (Study).

Project Schedule: On Schedule

- April 2021 – Draft SCADA radio feasibility study reviewed by staff.
- May 2021 – Finalize study
- May 2021 – Prepare Request for Quote to replace Radio Communication System.

7. **16-inch Manifold and Valve Replacement at Oak Creek Reservoir** – CVWD’s operations staff observed a leak on the underside of the existing inlet/outlet pipeline manifold that joins Oak Creek #1 and #2 reservoirs. The inlet/outlet manifold was installed 1961 and is a critical junction point as it allows influent water to fill each reservoir.

Progress: Complete.

8. **Groundwater Well Rehabilitation** – This project is for the rehabilitation of Well 12, which was last rehabilitated in 2010.

Progress: The project design is complete, and the contract was awarded to Legend Pump.

Project Schedule: On Schedule

- April 2021 – Well pump pulled; video inspection & begin cleaning of well casing.
- May 2021 – Complete well rehabilitation.

9. **Annual Booster Pump Replacement** – This project was originally planned to replace Markridge Booster 25. However, Booster B at Paschall was shut down due to what appears to be mechanical failure. Staff is working with the pump contractor that replaced the pump in 2018 to remove and replace the pump.

Progress: Complete

10. **Facility Improvement Program** – This project is for the installation of a new roof on the existing 70 ft diameter concrete reservoir at Encinal for material and equipment storage. Staff will be preparing an RFP for a consulting firm to perform the structural design of the new roof.

Progress: Complete – Project postponed due to higher-than-expected costs.

11. **New Pressure Reducing Valve (PRV) Station & Upgrade Ramsdell/Mayfield Mixing Station** – This project includes installing a new PRV station near the intersection of Mayfield Ave. and Ramsdell Ave. and upgrading the Ramsdell/Mayfield Mixing Station. The new PRV Station is needed to provide water from Zone 2 to Zone 1 when Encinal Reservoir and the Ramsdell/Mayfield Mixing Station are out of service. To meet the current FY 20/21 CIP schedule, staff will need assistance from a consulting firm to complete the specifications and advertise for bids.

Progress: Staff is working on the request for proposal.

Project Schedule: Behind Schedule

- April 2021 – Send out RFP to consultants.
- May 2021 – Award of Consulting Contract
- September 2021 – Begin construction.

12. **Replacement of Supervisory Control and Data Acquisition (SCADA) System Upgrade** – CVWD has an existing SCADA system with RTU/PLCs that were installed at each of the District’s facilities in 1996 that provides information on the status of the water system, controls for booster pump operation, and relays alarms to the System Operators. The upgraded SCADA system will include upgrading equipment, programing, and integration based on industry standards, which can be repaired and/or replaced by various consultants/contractors.

Progress: Staff is currently working on an assessment of the existing equipment and programing to prepare a request for proposal with a scope of work for a consulting firm.

Project Schedule: Behind Schedule.

- April 2021 – Continued working on Request for Proposal (RFP).
- May 2021 – Award of Consulting Contract.

13. **Stormwater Recharge Program** - Stormwater Recharge Project at Crescenta Valley County Park (CVC Park) includes the design and installation of a stormwater infiltration system within CVC Park that will direct stormwater from the Verdugo Wash into infiltration galleries for groundwater recharge. The focus will be to coordinate with the City of Los Angeles on stormwater rights.

Progress: Staff met with LADWP and are preparing a proposal outlining the project and water rights to discuss further with LADWP.

Project Schedule: On Schedule

- April 2021 – Sent request letter with LADWP.
- May 2021 – Present to future Engineering Committee on status of project.

14. **Rehabilitation Surge Tank at Glenwood** – This project is the rehabilitation of the surge tank at the Glenwood Operations Facility. A preliminary design was completed in 2017.

Progress: Project put on hold

SUMMARY:

In summary, many of the FY 20/21 CIP projects are either under design or starting construction. Attached for review is a summary of project costs including costs spent to date, cost committed to for the remainder of the year, and the total cost for each project.

Prepared & Submitted by:



David S. Gould, P.E.
Director of Engineering

Attachment: FY 20/21 Capital Improvement Project Program - Cost Update: 3/15/21

Crescenta Valley Water District

FY 20/21 Capital Improvement Project

Capital Improvement Project Program	Budget FY 20/21	Projected FY 20/21	Category	Bond (B) or PayGo (P)	Cumulative Estimated Costs	Completion Date	Project Description
Bond Proceeds							
Annual Pipeline Replacement - 1.0 Mile	\$ 2,300,000	\$ 2,420,500	Water Distribution	B	\$ 2,300,000	Jun-21	Pipeline Replacement - Pipelines that are greater than 50 years old - 5,280 LF
AMI - 3/4" to 1" - Smart Meters & AMI Communication Network	\$ 200,000	\$ 402,000	Technology	B	\$ 2,500,000	Jun-21	Advanced Metering Infrastructure (AMI) - 1) Install 1,000 3/4" or 1" water meters - in Zones 1 & 2 and 2) Install AMI Network Communication System
Steel Reservoir Rehabilitation - Rosemont	\$ 195,174	\$ 382,174	Water Storage	B	\$ 2,695,174	Feb-21	Reservoir Rehabilitation - Structural repairs and re-coating at Rosemont Reservoir during low demand (Winter) season
Bond Proceeds Subtotal	\$ 2,695,174	\$ 3,204,674					
Pay-Go							
PRS - Zone 2 to Zone 1/Upgrade - Ramsdell Mixing Station	\$ 600,000	\$ 130,000	Water Distribution	P	\$ 600,000	Jun-21	New Pressure Reducing Station & Upgrade Ramsdell Mixing Station - PRS for water from Zone 2 to zone 1 & Upgrade to Ramsdell Mixing Station
Replacement - SCADA System	\$ 610,000	\$ 200,000	Technology	P	\$ 1,210,000	Jun-21	Replacement of SCADA System - Replacement of RTU/PLC Equipment at 26 sites including equipment, programing, integration and testing
Well 9 Rehabilitation	\$ 95,000	\$ 151,106	Water Supply	P	\$ 1,305,000	Feb-21	Well Rehabilitation - Remove & Inspect Well Pump & Casing, Chemical Treatment Well Casing, Pump Test, New Pump & Motor
Replacement - SCADA Communication Radio Network	\$ 260,000	\$ 130,000	Technology	P	\$ 1,565,000	Jun-21	Replacement of SCADA Radio Communication System - Replace 900 MHz radios with upgraded 5.8GHz radios
FEMA Local Hazard Mitigation Plan	\$ 165,000	\$ 165,000	Public Safety/ Emerg. Resp.	P	\$ 1,730,000	Jun-21	FEMA Grant - \$125,000 grant , \$40,000 CVWD to prepare a local hazard mitigation plan
Annual Booster Pump Replacement	\$ 75,000	\$ 110,951	Water Distribution	P	\$ 1,805,000	Apr-21	Booster Pump Replacement - Replace 15-yr and older booster pump with new pump assembly and high efficiency motor - Replace 1 per year
Stormwater Recharge CVC Park - Planning	\$ 75,000	\$ 30,000	Water Supply	P	\$ 1,880,000	Jun-21	Stormwater Recharge - Concept plan, grant funding options and coordination with stakeholders
New Roof for Old Encinal - Storage Bldg	\$ 105,000	\$ 1,555	Facilities & Planning	P	\$ 1,985,000	May-21	Facilities - Installation of a new roof; convert old concrete reservoir to storage facilities bldg.
Rehabilitation Surge Tank at Glenwood	\$ 35,000	\$ -	Water Distribution	P	\$ 2,020,000	Apr-21	Rehabilitation of water surge tank - replacement of piping & appurtenances and recoating at Glenwood
Oak Creek - 16" Manifold Repair	\$ -	\$ 55,181	Water Storage	P	\$ 2,020,000	Nov-20	Oak Creek Reservoir - Repair to 16" manifold and new 16" Valves
Conversion to Chloramination	\$ -	\$ 44,591	Water Treatment	P	\$ 2,020,000	Aug-20	Conversion to Chloramination - Additional work at Well #2 & Pickens Canyon Tunnerl
Steel Reservoir Rehabilitation - Rosemont	\$ 284,826	\$ 197,826	Water Storage	P	\$ 2,304,826	Feb-21	Reservoir Rehabilitation - Structural repairs and re-coating at Rosemont Reservoir during low demand (Winter) season
Pay-Go Subtotal	\$ 2,304,826	\$ 1,216,210					
Total CIP	\$ 5,000,000	\$ 4,420,884					

FY 20/21 Capital Improvement Project Program Cost Update: 04/19/21	Recorded FY 19/20	Budget FY 20/21	<u>FY 20/21</u> Cost to date from 7/1/20 to 03/31/21	<u>FY 20/21</u> Cost Committed from 4/01/21 to 6/30/21	Projected FY 20/21
Capital Improvement Project Summary					
1. Water Supply	\$ 300,375	\$ 170,000	\$ 67,026	\$ 114,080	\$ 181,106
2. Water Storage	\$ 498,530	\$ 480,000	\$ 136,054	\$ 499,127	\$ 635,181
3A. Water Distribution - Pipeline	\$ 1,126,030	\$ 2,300,000	\$ 386,950	\$ 2,033,550	\$ 2,420,500
3B. Water Distribution - Other	\$ 10,892	\$ 710,000	\$ 128,153	\$ 112,798	\$ 240,951
4. Water Treatment	\$ 469,205	\$ -	\$ 44,591	\$ -	\$ 44,591
5. Technology	\$ 152,597	\$ 1,070,000	\$ 279,407	\$ 452,593	\$ 732,000
6. Public Safety/Emergency Response	\$ 5,810	\$ 165,000	\$ 48,720	\$ 116,280	\$ 165,000
7. Facilities & Planning	\$ -	\$ 105,000	\$ 1,555	\$ -	\$ 1,555
Capital Improvement Projects - Total	\$ 2,563,438	\$ 5,000,000	\$ 1,092,457	\$ 3,328,427	\$ 4,420,884
Bond Financing - CIP	\$ -	\$ 2,695,174	\$ 721,024	\$ 2,483,650	\$ 3,204,674
Water Fund Financing - CIP	\$ 2,563,438	\$ 2,304,826	\$ 371,433	\$ 844,777	\$ 1,216,210
Total Financing - CIP	\$ 2,563,438	\$ 5,000,000	\$ 1,092,457	\$ 3,328,427	\$ 4,420,884

FY 20/21 Capital Improvement Project Program Cost Update: 04/19/21		Recorded FY 19/20	Budget FY 20/21	<u>FY 20/21</u> Cost to date from 7/1/20 to 03/31/21	<u>FY 20/21</u> Cost Committed from 4/01/21 to 6/30/21	Projected FY 20/21
1. Water Supply						
A. Groundwater Water Supply						
i. Well Rehabilitation						
	Well 7 Rehabilitation	\$ 102,696				
	Well 16 Rehabilitation	\$ 103,713				
	Well 11 Rehabilitation	\$ 14,694	\$ -	\$ 56,106	\$ -	\$ 56,106
	Well 12 Rehabilitation		\$ 95,000	\$ 8,385	\$ 86,615	\$ 95,000
ii. New Wells						
	Re-Activate Well 2 - Construction	\$ 79,272				
iii. Groundwater Basin Recharge						
	Stormwater Recharge Project at CVC Park - Planning		\$ 75,000	\$ 2,535	\$ 27,465	\$ 30,000
D. Water Supply Studies						
WS Total		\$ 300,375	\$ 170,000	\$ 67,026	\$ 114,080	\$ 181,106
2. Water Storage						
A. Reservoir Rehabilitation						
i. Steel Reservoir Re-Coating/Roof/Vents Rehabilitation						
	Markridge	\$ 498,530				
	Rosemont		\$ 480,000	\$ 80,873	\$ 499,127	\$ 580,000
	Oak Creek - 16" Manifold Repair		\$ -	\$ 55,181	\$ -	\$ 55,181
WS Total		\$ 498,530	\$ 480,000	\$ 136,054	\$ 499,127	\$ 635,181
3. Water Distribution						
A. Pipeline Replacement						
	3200 & 3300 Blocks of Brookhill	\$ 623,009				
	4700 & 4800 Block of Pennsylvania	\$ 503,021				
	Project 1		\$ 538,000	\$ 143,505	\$ 419,245	\$ 562,750
	Project 2		\$ 280,000	\$ 18,248	\$ 286,502	\$ 304,750
	Project 3		\$ 707,000	\$ 136,186	\$ 613,814	\$ 750,000
	Project 4		\$ 775,000	\$ 89,011	\$ 713,989	\$ 803,000
	Annual Pipeline Replacement		\$ 2,300,000	\$ 386,950	\$ 2,033,550	\$ 2,420,500
C. Booster Pump System						
	Boosters - Glenwood 32 & 33	\$ 4,384	\$ -	\$ 85,951	\$ -	\$ 85,951
	Booster Replace - Booster B at Paschall		\$ 75,000	\$ 20,218	\$ 4,782	\$ 25,000

FY 20/21 Capital Improvement Project Program Cost Update: 04/19/21		Recorded FY 19/20	Budget FY 20/21	FY 20/21 Cost to date from 7/1/20 to 03/31/21	FY 20/21 Cost Committed from 4/01/21 to 6/30/21	Projected FY 20/21
D. Pressure Reducing Stations						
	PRS - Zone 2 to Zone 1	\$ 6,508	\$ 150,000	\$ 21,984	\$ 58,016	\$ 80,000
E. Miscellaneous Projects						
i. Water Surge Control						
	Rehabilitation Surge Tank at Glenwood		\$ 35,000	\$ -	\$ -	\$ -
iii. Misc.						
	Upgrade - Ramsdell Mixing Station	\$ -	\$ 450,000	\$ -	\$ 50,000	\$ 50,000
WD Total		\$ 1,136,922	\$ 3,010,000	\$ 515,103	\$ 2,146,347	\$ 2,661,451
4. Water Treatment						
C. Disinfection - Convert to Chloramines						
	Conversion to Chloramination	\$ 469,205	\$ -	\$ 44,591	\$ -	\$ 44,591
WT Total		\$ 469,205	\$ -	\$ 44,591	\$ -	\$ 44,591
5. Technology						
A. Automated Meter Information (AMI) System						
	AMI - 3/4" to 1" - Smart Meters	\$ 83,590	\$ 50,000	\$ 45,954	\$ 54,546	\$ 100,500
	AMI - Communication		\$ 150,000	\$ 152,066	\$ 149,434	\$ 301,500
B. Supervisory Control and Data Acquisition (SCADA)						
	Communication Radio Network		\$ 260,000	\$ 6,677	\$ 123,323	\$ 130,000
	SCADA Replacement - Design	\$ 69,007				
	SCADA Replacement - Installation		\$ 610,000	\$ 74,710	\$ 125,290	\$ 200,000
TECH Total		\$ 152,597	\$ 1,070,000	\$ 279,407	\$ 452,593	\$ 732,000
6. Public Safety/Emergency Response						
D. Miscellaneous						
	FEMA Local Hazard Mitigation Plan		\$ 165,000	\$ 48,720	\$ 116,280	\$ 165,000
SF/ER Total		\$ 5,810	\$ 165,000	\$ 48,720	\$ 116,280	\$ 165,000
7. Facilities & Planning						
D. Reservoir Site Improvements						
	Roof for Old Encinal - Storage Bldg		\$ 105,000	\$ 1,555	\$ -	\$ 1,555
F & P Total		\$ -	\$ 105,000	\$ 1,555	\$ -	\$ 1,555
Capital Improvement Projects - Total		\$ 2,563,438	\$ 5,000,000	\$ 1,092,457	\$ 3,328,427	\$ 4,420,884