

**LA HABRA HEIGHTS COUNTY  
WATER DISTRICT**

**BOARD MEETING**

**NOVEMBER 10, 2020**

**AGENDA FOR REGULAR MEETING  
BOARD OF DIRECTORS  
LA HABRA HEIGHTS COUNTY WATER DISTRICT  
November 10, 2020 @ 4:00PM**

**CALL IN PHONE NUMBER FOR PUBLIC (402) 986-3088 PIN: 815641180#**

- 1. Roll call of Directors by Secretary**
  
- 2. Notation of staff members and others present**
  
- 3. Public Communications** (Comments will be limited to 3 minutes for non-agenda items and 3 minutes for agenda items.)
  
- 4. Directors Report – Individual, Subcommittees and/or Attended Events**
  
- 5. Consent Items:** It is recommended these items be acted upon simultaneously unless separate discussion or action is requested by a member of the public or a Director.
  - a. Minutes of Regular Board meeting for October 27, 2020 (approve)
  
- 6. Approval of warrants and authorize signatures per warrant list**
  
- 7. Report and recommendations of General Manager:**
  - a. Discuss and Action – Repair of La Mirada Conduit
  
- 8. Closed Session –**

**CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**  
Rowland Water District v. La Habra Heights County Water District, Los Angeles Superior Court Case No. KC070088. Discussion of existing litigation pursuant to paragraph (1) of subdivision (d) of Section 54956.96.
  
- 9. Adjournment.**

Any documents that are provided to the Board of Directors regarding items on this agenda less than 72 hours prior to this meeting will be available for public inspection at the front counter of the District office located at 1271 N. Hacienda Road, La Habra Heights, California 90631

# MINUTES

MINUTES OF THE REGULAR BOARD MEETING  
OF THE BOARD OF DIRECTORS  
LA HABRA HEIGHTS COUNTY WATER DISTRICT  
October 27, 2020

A regular meeting of the Board of Directors of La Habra Heights County Water District ("District") was held on October 27, 2020 at 4:02 p.m., at the office of the District, located at 1271 North Hacienda Road, La Habra Heights and by telecommunication.

Item 1. Roll call of Directors by Secretary/General Manager, Michael Gualtieri.

PRESENT: Directors Baroldi, Crabb, and Perumean (all board members by telecommunication) Director McVicar (in the office)

ABSENT: Director Cooke

Item 2. Staff members and others present. Staff: Michael Gualtieri, Secretary/General Manager. Tammy Wagstaff, Treasurer (by telecommunication). Others present Michael Silander, Attorney at Law and David Byrum, Civiltec Engineering Inc. and Stephan Blagdon, resident. (by telecommunication).

Item 3. Public Communications – Mr. Blagden discussed opportunities for grant funds.

Item 4. Directors Report – None

Item 7.a. Discuss and Action - Repair of La Mirada Conduit. After discussion, there was a motion by Director Crabb and seconded by Director Baroldi to approve a \$30,000.00 increase to repair the La Mirada Conduit not to exceed \$80,000.00 for time and material. The vote was as follows:

AYES: Directors Baroldi, Crabb, McVicar and Perumean  
NOES: None  
ABSENT: Director Cooke

Item 7.b. Discuss and Action – New Well and Treatment Plant. After discussion a subcommittee was formed for this item. Directors McVicar and Crabb will be part of the subcommittee. No action was taken on this item.

(Director Perumean left the meeting at 5:00 p.m.)

Item 7.c. Update on District Activities. General Manager informed that Tri County Pump was hired to expedite the repair to Well 11. The pump was pulled because the shaft had broken. Tri County Pump repaired the shaft and installed it on October 10, 2020. On October 12, 2020 Well 11 was placed back into service. Lastly, discussed was water production in September 2020.

Item 5.a.b.c. Minutes of Regular Board Meeting of September 22, 2020 Financial Reports – August 2020 and Investment Schedule – September 2020. After discussion, there was

a motion by Director Crabb and seconded by Director Baroldi to approve the Minutes, Financial Reports and Investment Schedule. The vote was as follows:

AYES: Directors Baroldi, Cooke, Crabb and McVicar  
NOES: None  
ABSENT: Directors Cooke and Perumean

Item 6. Approval of warrants and authorize signatures per warrant list. After discussion, there was a motion made by Director Crabb and seconded by Director Baroldi that the warrant numbers 43989 through 44044 in the amount of \$365,651.41 and EFT transfers in the amount of \$9,346.85 be approved and signatures be authorized. The vote was as follows:

AYES: Directors Baroldi, Crabb and McVicar  
NOES: None  
ABSENT: Directors Cooke and Perumean

(Tammy Wagstaff left the meeting at 6:00 p.m.)

Item 8. Closed Session. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION. Rowland Water District v. La Habra Heights County Water District, Los Angeles Superior Court Case No. KC070088. Discussion of existing litigation pursuant to Government Code Section 54956.96(d)(1). No reportable action was taken.

Item 9. There being no further business to come before the Board, motion was made by Director McVicar and seconded by Director Crabb that the meeting be adjourned at 6:07 p.m. The vote was as follows:

PRESENT: Directors Baroldi, Crabb and McVicar  
NOES: None  
ABSENT: Directors Cooke and Perumean

Dated: November 10, 2020

\_\_\_\_\_  
Pam McVicar, Vice-President

(SEAL)

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Michael Gualtieri, Secretary

**DISCUSS AND ACTION  
REPAIR LA MIRADA CONDUIT**

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**LA HABRA HEIGHTS COUNTY WATER DISTRICT**

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**MEMORANDUM**

**DATE: NOVEMBER 4, 2020**  
**TO: BOARD OF DIRECTORS**  
**FROM: MICHAEL GUALTIERI, SECRETARY/ GENERAL MANAGER**  
**SUBJECT: LA MIRADA CONDUIT REPAIR**

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As of November 4, 2020, Brkich Construction removed 350 feet of sand from the conduit. They plan to finish and have the video by the end of the week. I will update at the meeting.

Attached please find Civiltec's memo. David will attend the meeting to further update.



*Civil, Water, Wastewater, Drainage, Transportation and  
Electrical/Controls Engineering • Construction Management • Surveying  
California • Arizona*

# MEMORANDUM

## LA HABRA HEIGHTS COUNTY WATER DISTRICT

TO: Michael Gualtieri, General Manager  
FROM: W. David Byrum, P.E., Principal Engineer  
DATE: November 6, 2020  
SUBJECT: La Mirada Conduit – Status Report



The La Mirada Conduit from the Judson Well Field to the east side of the 605 Freeway is currently shut down and isolated from the groundwater supply system that leads to the La Mirada Reservoir due to an extensive leak investigation. This means Wells 8 and 9 are offline. The good news is Wells 10 and 11 are active and can currently supply both LHHCCWD and ODWD. The concern is losing one of these wells (i.e. Well 11 recently) to a mechanical failure – Wells 8 and 9 provide redundant supply under normal operating conditions. High demand months require Wells 10 and 11 and one of the other wells at times to meet demands. Without Wells 8 and 9, the redundant supply is imported water or connections to adjacent water systems.

### **New Isolation Valve**

The Conduit was exposed, cut and a steel bulkhead installed just east of the existing manhole on the east side of the 605 Freeway to isolate a leaking portion of the 42-inch pipeline. This bulkhead keeps Wells 10 and 11 operational. One of the immediate goals is to install a valve in place of this bulkhead to improve operational capabilities. Brkich Construction has performed the system isolation work to date on a time and materials (T&M) authorization. Brkich has acquired the isolation valve and the pipe fittings required to replace the bulkhead. They are poised to install the valve now. That work may start as soon as the week of November 9, 2020. This effort is being coordinated now.

### **Conduit Cleaning Effort**

Brkich is also under separate T&M tracking to expose both ends of the 42-inch pipeline on the east and west side of the 605 Freeway. We have a Caltrans permit for utilizing their right-of-way for the west side of the Freeway. This work authorization is centered around cleaning the sand out of the 42-inch pipe and performing a video inspection to determine the 42-inch pipe condition.





The distance between the two access points is approximately 435 feet. Early indications are the pipe under the Freeway is straight both horizontally and vertically (no bends). This is good news for the District in terms of a potential slip lining project. The not so good news is it has been confirmed the 42-inch pipe is approximately ½ full of sand across the entire length under the Freeway. This equates to approximately 80 cubic yards of sand.

Brkich has brought in a specialty contractor whose core business includes sand removal from pipelines – Performance Pipeline Technologies (PPT) of Huntington Beach. PPT has mobilized to the project sites (both sides of the Freeway) as of October 28, 2020. They began to remove sand that day and are averaging about 55 feet of sand removal a day – slower than expected. The consolidated condition of the sand has been the biggest issue followed by the ability to manage the sand once removed from the pipe. The sand has ‘stratified’ in the underwater environment where very fine, dense sand (similar to talcum powder) sits on the invert of the pipe and is a courser sand on the top, although this course sand is still fine (table salt). The finer the material, the more water is required to move it out of the pipe. This fine material is so consolidated that it comes out in hard chunks. PPT appears to be managing the water well that is used to fluidize and break up the sand.

As of this date, PPT has lowered the level of the sand across most of the length of 42-inch pipe. The areas closest to the west access point has been cleared to the pipe invert, although water is standing. The area in the center of the span has fluidized sand. So, it is difficult to say things like ‘sand has been cleared out of 350 feet of the pipe’ because sand in the center of the span is pulled or wash to the west access point. PPT is making a final push to clear this sand and standing water. PPT is beginning sand removal at the east access point on November 9, 2020. The removed sand is being managed on the Well No. 3 site. We are receiving photos daily on the sand cleaning progress from Brkich. We just received videos on November 5 and 6, 2020. I have posted photos and videos to a SharePoint Link so anyone with the link can view. New information is shared to this site as often as it comes in.

I believe we are on track to have the pipe cleaned of sand and standing water by the November 10, 2020 Board of Director’s Meeting. I have been invited to join the virtual meeting and will have additional input for that meeting.

### **Vision Forward**

**Recovery.** The number one mission is to restore the supply reliability of Wells 8 and 9 by:

1. Repair or by-pass any leaking pipes between the Judson Well Field and Wells 10 and 11.
  - a. The length of 42-inch pipe across the 605 Freeway is approximately 435 feet. Depending upon the inspection of the pipe, we will either be able to repair it through patching as necessary or line it through various techniques.
  - b. Approximately 105 feet of new pipe is required to connect the west end of the 42-inch pipe to the 20-inch ACP in the mobile home park.
  - c. Approximately 25 feet of new pipe is required to connect the east end of the 42-inch pipe to the new 24-inch butterfly valve.
2. Provide better operational flexibility with a new strategically placed isolation valve



3. Install any new pipes that are hydraulically sufficient for District needs. See calculations below.
4. Continue to pursue potential leaks through testing

**Treatment.** LHHCW and ODWD are faced with new water treatment issues due to emerging contamination in the groundwater basin. Various PFAS (mainly PFOA and PFOS) and 1,4 Dioxane have been detected in Well No. 11 as part of a well profiling investigation conducted by WRD. LHHCW and ODWD are taking initial steps to address these constituents with the help from Civiltec and Kear Groundwater. This water quality issue will impact future decisions associated with siting a new well to replace Wells 8 and 9. These discussions are part of the planning associated with finalizing the repair to the La Mirada Conduit.

**New Well.** LHHCW has master planned since 2000 to replace Wells 8 and 9. The assumption is a new well may produce between 2500 gpm and 3000 gpm. This is approximately equal to the production achieved by either Well 10 or 11. The groundwater basin near the San Gabriel River will produce this flow (and possibly more). The location for a new well has been primarily planned to be within the Judson Well Field, west of the 605 Freeway and specifically west of the abandoned Well No. 5. The La Mirada Conduit and the ongoing repair is essential to a new well sited at this location. These is also discussions ongoing about siting a new well near the La Mirada Reservoir. Civiltec and Kear Groundwater are preparing for an upcoming Board Committee meeting to open detailed discussions about well siting. It will be about three years before a new well can be operational due to planning, investigations, CEQA, design, drilling, equipping, permitting, and testing.

### **La Mirada Conduit Sizing**

The Conduit has several pipe sizes from 28-inch to 42-inch along its alignment from the abandoned Well No. 3 site to the La Mirada Reservoir. The vast majority of the pipe size is 30-inch. While it is not known at this time what repair or lining work will be accomplished under the 605 Freeway, properly sizing any new pipe will impact not only costs, but horsepower to move groundwater from wells to the La Mirada Reservoir. The following friction loss results are for 3000 gpm well production capacity.

Length of pipe from the new 24-inch valve to the connection to the existing water system in the Judson Well Field is 565 feet.

Current pipe system = 0.04 feet of friction loss or 0.02 psi (excluding sand congestion).

24-inch pipe = 0.43 feet of friction loss or 0.19 psi. Velocity = 2.13 fps

20-inch pipe = 1.06 feet of friction loss or 0.46 psi. Velocity = 3.06 fps

16-inch pipe = 3.13 feet of friction loss or 1.35 psi. Velocity = 4.79 fps

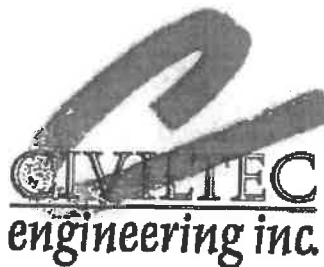
Based upon LHHCW Master Plan Design Criteria, the smallest size pipe will be 16-inch (less than 5 fps for transmission pipelines).

# WARRANTS

**La Habra Heights CWD**  
**AP Check Register (Current by Bank)**  
 Check Dates: Greater than 9/30/2020

Check No.	Date	Status*	Vendor ID	Payee Name	Amount
<b>BANK ID: 13100 - EFT TRANSFERS</b>					<b>13110</b>
1001687845	10/14/20	M	0130	CALPERS	\$3,638.36
1001687846	10/14/20	M	0130	CALPERS	\$821.46
**1001697149	10/29/20	M	0130	CALPERS	\$4,100.11
1001697150	10/29/20	M	0130	CALPERS	\$1,026.40
<b>BANK 13100 REGISTER TOTAL:</b>					<b>\$9,586.33</b>
<b>BANK ID: 13110 - CHECKING- WELLS FARGO</b>					<b>13110</b>
44045	10/22/20	P	0068	SOUTHERN CALIF EDISON CO.	\$23,663.55
44046	10/27/20	P	0139	ACWA/JPIA	\$43,064.63
44047	10/27/20	P	ONETIM	ANTONIO WILLIAMS	\$235.28
44048	10/27/20	P	0013	CANNINGS HARDWARE	\$142.01
44049	10/27/20	P	0014	CENTRAL BASIN MWD	\$3,830.82
44050	10/27/20	P	0441	CINTAS CORPORATION	\$74.50
44051	10/27/20	P	0143	CITY OF LA HABRA HEIGHTS	\$474.46
44052	10/27/20	P	0145	CIVILTEC ENGINEERING INC.	\$25,547.50
44053	10/27/20	P	0017	CLINICAL LAB OF SB, INC	\$1,164.25
44054	10/27/20	P	0197	DELTA MOTOR CO, INC.	\$960.00
44055	10/27/20	P	0464	ENVIROKLEEN USA	\$650.00
44056	10/27/20	P	0099	GRAINGER INC.	\$300.56
44057	10/27/20	P	0252	INFOSEND, INC	\$2,537.85
44058	10/27/20	P	0033	J.A. SALAZAR CONSTRUCTION	\$10,297.48
44059	10/27/20	P	ONETIM	JANE LIANG	\$2,210.50
44060	10/27/20	P	0501	KEAR GROUNDWATER	\$5,040.00
44061	10/27/20	P	0133	KONICA MINOLTA	\$340.25
44062	10/27/20	P	0402	L.G. HOLDINGS, INC.	\$2,489.57
44063	10/27/20	P	0483	LAVCO DAVE'S BRAKE ALIGNMENT	\$452.08
44064	10/27/20	P	0051	LINCOLN FINANCIAL GROUP	\$1,838.79
44065	10/27/20	P	0120	MICHAEL GUALTIERI	\$105.00
44066	10/27/20	P	0430	MICHAEL SILANDER	\$5,312.50
44067	10/27/20	P	0431	POWER PLUS	\$607.70
44068	10/27/20	P	0258	S&J SUPPLY CO., INC.	\$3,267.72
44069	10/27/20	P	0229	SOUTH COAST A.Q.M.D.	\$557.42
44070	10/27/20	P	0068	SOUTHERN CALIF EDISON CO.	\$14,290.12
44071	10/27/20	P	0198	TERRY'S TESTING, INC.	\$195.00
44072	10/27/20	P	0466	TRI COUNTY PUMP COMPANY	\$53,974.95
44073	10/27/20	P	0268	UNIVAR USA, INC	\$1,349.65
44074	10/27/20	P	0386	VERIZON WIRELESS	\$1,190.38
44075	10/27/20	P	0012	VULCAN MATERIALS COMPANY	\$765.42
44076	10/27/20	P	0280	WHITE NELSON DIEHL EVANS LLP	\$1,900.00
<b>BANK 13110 REGISTER TOTAL:</b>					<b>\$208,829.94</b>
<b>GRAND TOTAL :</b>					<b>\$218,416.27</b>

\* Check Status Types: "P" - Printed ; "M" - Manual ; "V" - Void ( Void Date ) ; "A" - Application ; "E" - EFT  
 \*\* Denotes broken check sequence.



Civil, Water, Wastewater, Drainage and Transportation Engineering  
Construction Management • Surveying  
California • Arizona

October 13, 2020



La Habra Heights County Water District  
1271 North Hacienda Road  
La Habra Heights, CA 90631

Attention: Michael Gualtieri, General Manager

Subject: Engineering Activities for the Month of September 2020  
Invoice Backup Support - Billing Period through October 2, 2020

Dear Mr. Gualtieri:

The La Habra Heights County Water District requires Engineering Support from **CIVILTEC engineering, inc. (Civiltec)** at times on various projects. This work is provided on a time and materials basis when requested and directed by LHHWCWD management. Following is an explanation of time spent to back up the September 2020 invoicing. The numbering system is the **Civiltec** project number and tracking system.

**2020162.00 – General Engineering Support.** This project has been established to aid the District in general engineering inquiries, participate in meetings, hydraulic modeling and calibration and overall engineering support. The total budget for General Engineering Support has been established at \$25,000.00 for each Fiscal Year. Below is an accounting of expenditures under this **Civiltec** job number for FY 2020-21.

1. **General Engineering Support FY 20-21.** There were expenditures totaling \$5,180.00 in the month of September 2020. The remaining budget is \$17,297.50. LHHWCWD is collaborating with **Civiltec** on the WRD PFAS report and approach to the project. The group has met with WRD to discuss their study. **Civiltec** is preparing a GIS property ownership exhibit for the La Mirada Tank Site and surrounding properties. We are now preparing for a meeting with Orchard Dale Water and Jordan Kear Groundwater to discuss next steps.

**2020135.00 – Greenview Pipeline and PRV Station.** The District plans to relocate the PRV Station on Greenview to a new, more accessible location and build a new pipeline extension on Greenview to complete a piping loop. The title sheet, plan sheet and detail sheets have been set up. The design concept is complete and preliminary design is proceeding. The PRV station details have been produced as well as the pipeline plan. The 60% complete plans are under review. The overall engineering and construction support budget for the project is \$45,500.00. There were expenditures of \$4,562.50 in the month of September 2020. The remaining budget is \$28,589.47.



**2020168.00 – Plant No. 1 Air Valve Replacement.** The District plans to improve the startup and shutdown sequencing of the three pumps at Plant No. 1. The soft starters have already been replaced and adjusted. *Civiltec* has developed methods to replacement the air valves vs installing new by-pass valving to keep pressures below 300 psi between the pump and pump control valve. The District has recorded pressure fluctuations to assist in the design concepts. New pressure tests are underway. We are also looking at rehabilitation options for the wet well. The overall engineering and construction support budget for the project is \$20,000.00. There were expenditures of \$1,955.00 in the month of September 2020. The remaining budget is \$10,065.00.

**2020169.00 – La Mirada Conduit Leak Repair.** The District plans to install a liner in the existing pipeline between the old Well No. 3 site on the west side of the 605 Freeway across the Freeway to the existing manhole on the east side of the Freeway. A new isolation valve is required to keep Wells 10 and 11 operational during the lining investigation and installation process – a location for the valve has been determined and material has been ordered. A pressure test was conducted to determine there in a leak between the Well No. 3 site and the Wells 10 and 11 site. *Civiltec* is preparing plans to add the new valve on the 28" HDPE pipe near the existing manhole as well as the piping required to connect the HDPE to new piping across the Freeway and into existing piping in the Judson Well Field. The 42" pipe that crosses the freeway has been opened on each end. The investigation into the condition of this pipe has begun. The overall engineering and construction support budget for the project is \$55,000.00. There were expenditures of \$13,850.00 in the month of September 2020. The remaining budget is \$35,895.00.

I hope this information helps with your processing of the project invoices. Please let me know if you have any questions.

Very truly yours,

*CIVILTEC engineering, inc.*

A handwritten signature in black ink, appearing to read 'W. David Byrum', is written over a horizontal line.

W. David Byrum, P.E.  
President, Principal Engineer

# Michael Silander

Attorney at Law

1780 O'Leary Court

Newbury Park, CA 91320

# INVOICE

DATE: OCTOBER 1, 2020

**TO:**

La Habra Heights County Water District  
1271 Hacienda Road  
La Habra Heights, CA 90631

**PLEASE REMIT PAYMENT TO TEMPORARY ADDRESS:**

Michael Silander  
1780 O'Leary Court  
Newbury Park, CA 91320

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**SPECIFICATIONS:**

**LHH/TOTAL:**

Invoice for legal services rendered in September, 2020

Terms: \$125.00/hour. 30 days.

DESCRIPTION	HOURS	AMOUNT
TRANSACTIONAL 1	19.2	\$2,400.00 ✓
TRANSACTIONAL 2	13.3	\$1,662.50 ✓
RETAINER		\$1,250.00 ✓ (FLAT FEE)
		<b>TOTAL: \$5,312.50</b>

Please make all checks payable to Michael Silander

If you have any questions concerning this invoice,

please email [michael@silanderlaw.com](mailto:michael@silanderlaw.com) or call 805-490-9247

