



BOARD MEETING AGENDA SUBMITTAL

TO: GCSD Board of Directors

FROM: Peter Kampa, General Manager

DATE: February 11, 2025

SUBJECT: Agenda Item 4D: Notice of the Filing of the Hardrock Groundwater Test Well Project Notice of Completion with the County of Tuolumne

RECOMMENDED ACTION:

Staff recommends the following action:

Your Motion to Approve the Consent Calendar Recognizes the Filing of the Notice of Completion for the Hardrock Groundwater Test Well Project.

BACKGROUND:

The Groveland Community Service District (Groveland CSD, GCSD) provides potable water services to the surrounding community. The Groveland CSD's primary water source is the Hetch Hetchy Reservoir located in Yosemite National Park on the Tuolumne River. Hetch Hetchy is also the principal water source for the City and County of San Francisco and a number of other utilities in the San Francisco Bay Area served by the City and County of San Francisco. Water flows from Hetch Hetchy through the Mountain Tunnel, a tunnel just south of Groveland into Priest Regulating Reservoir. GCSD obtains water from the Mountain Tunnel prior to and upstream of Priest Regulating Reservoir at two locations. These locations are the Big Creek Shaft/Water treatment Plant (WTP) (the most upstream) and the Second Garrotte Shaft/WTP.

In addition to the primary water source, GCSD also has a secondary or Alternative Water Supply (AWS) source. The AWS water source is Pine Mountain Lake. The District installed in 2003 a trailer mounted water treatment plant in PML to be able to provide water to the Community during outages of the Mountain Tunnel. The AWS WTP was intended to be a portable WTP.

During severe drought conditions, the Second Garrote WTP and the AWS WTP would not have enough capacity to supply water to the entire service area during maximum day demand. For this reason, the Groveland CSD is proposing a new groundwater well that will supply water to the Big Oak Flat and Tank 5 service areas during severe drought conditions. The introduction of this groundwater well will reduce the demand that has to be supplied from Second Garrote and the AWS systems and will increase fire resiliency. For this reason, two hard rock groundwater test wells were drilled and tested to determine the available groundwater capacity. The Tank 5 site produced 120 gpm and the AWS WTP site produced 30 gpm. A supplemental project will be completed in the coming months to install the well pump, piping and controls needed to be able to utilize the available groundwater at the Tank 5 site.

The installation of the Project's scope of work has been completed per the plans and technical specifications prepared for the project, with modifications made through change orders. AM Consulting Engineers, Inc. attended a final walkthrough of the project site to verify that the project had been adequately completed.

Based on the findings during the final walkthrough, the Hardrock Groundwater Test Well Project can be accepted and deemed complete. Resolution 47-2023, attached, authorized the General Manager to file the Notice of Completion.

FINANCIAL IMPACT

There is no Fiscal Impact associated with filing the Notice of Completion.

ATTACHMENTS:

1. Notice of Completion
2. Tank 5 Well Completion Report
3. AWS WTP Completion Report
4. Resolution 47-2023

State of California
Well Completion Report
 Form DWR 188 Submitted 5/13/2024
 WCR2024-004085

Owner's Well Number AWS Site Well Date Work Began 02/20/2024 Date Work Ended 03/02/2024
 Local Permit Agency Community Resources Agency - Environmental Health
 Secondary Permit Agency _____ Permit Number EH-23-74 Permit Date 01/22/2024

Well Owner (must remain confidential pursuant to Water Code 13752)	Planned Use and Activity
Name <u>GROVELAND COMMUNITY SERVICES DISTRICT,</u>	Activity <u>New Well</u>
Mailing Address <u>18966 Ferretti Rd</u>	Planned Use <u>Water Supply Public</u>
City <u>Groveland</u> State <u>CA</u> Zip <u>95321</u>	

Well Location	
Address _____	APN <u>066030029</u>
City _____ Zip _____ County <u>Tuolumne</u>	Township <u>01 S</u>
Latitude <u>37</u> <u>50</u> <u>56.909</u> <u>N</u> Longitude <u>-120</u> <u>13</u> <u>33.4686</u> <u>W</u>	Range <u>16 E</u>
Deg. Min. Sec. Deg. Min. Sec.	Section <u>16</u>
Dec. Lat. <u>37.8491414</u> Dec. Long. <u>-120.2259635</u>	Baseline Meridian <u>Mount Diablo</u>
Vertical Datum _____ Horizontal Datum <u>WGS84</u>	Ground Surface Elevation _____
Location Accuracy _____ Location Determination Method _____	Elevation Accuracy _____
	Elevation Determination Method _____

Borehole Information	
Orientation <u>Vertical</u> Specify _____	
Drilling Method <u>Downhole Hammer</u> Drilling Fluid <u>Air</u>	
Total Depth of Boring <u>900</u> Feet	
Total Depth of Completed Well <u>900</u> Feet	

Water Level and Yield of Completed Well	
Depth to first water <u>390</u> (Feet below surface)	
Depth to Static _____	
Water Level _____ (Feet) Date Measured <u>02/21/2024</u>	
Estimated Yield* <u>30</u> (GPM) Test Type <u>Air Lift</u>	
Test Length <u>2</u> (Hours) Total Drawdown _____ (feet)	
*May not be representative of a well's long term yield.	

Geologic Log - Free Form		
Depth from Surface	Feet to Feet	Description
0	20	Red Clay
20	30	Rocky Clay
30	900	Fractured Granite

Casings										
Casing #	Depth from Surface Feet to Feet		Casing Type	Material	Casings Specifications	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	50	Conductor or Fill Pipe	Low Carbon Steel	Grade: ASTM A53	0.25	12.75			Surface Conductor
1	50	900	No Casing Installed	Other	N/A					Open Borehole

Annular Material					
Depth from Surface Feet to Feet		Fill	Fill Type Details	Filter Pack Size	Description
0	50	Cement	10.3 Sack Mix		ANNULAR CEMENT SEAL
50	900	Other Fill	See description.		Open Borehole

Other Observations:

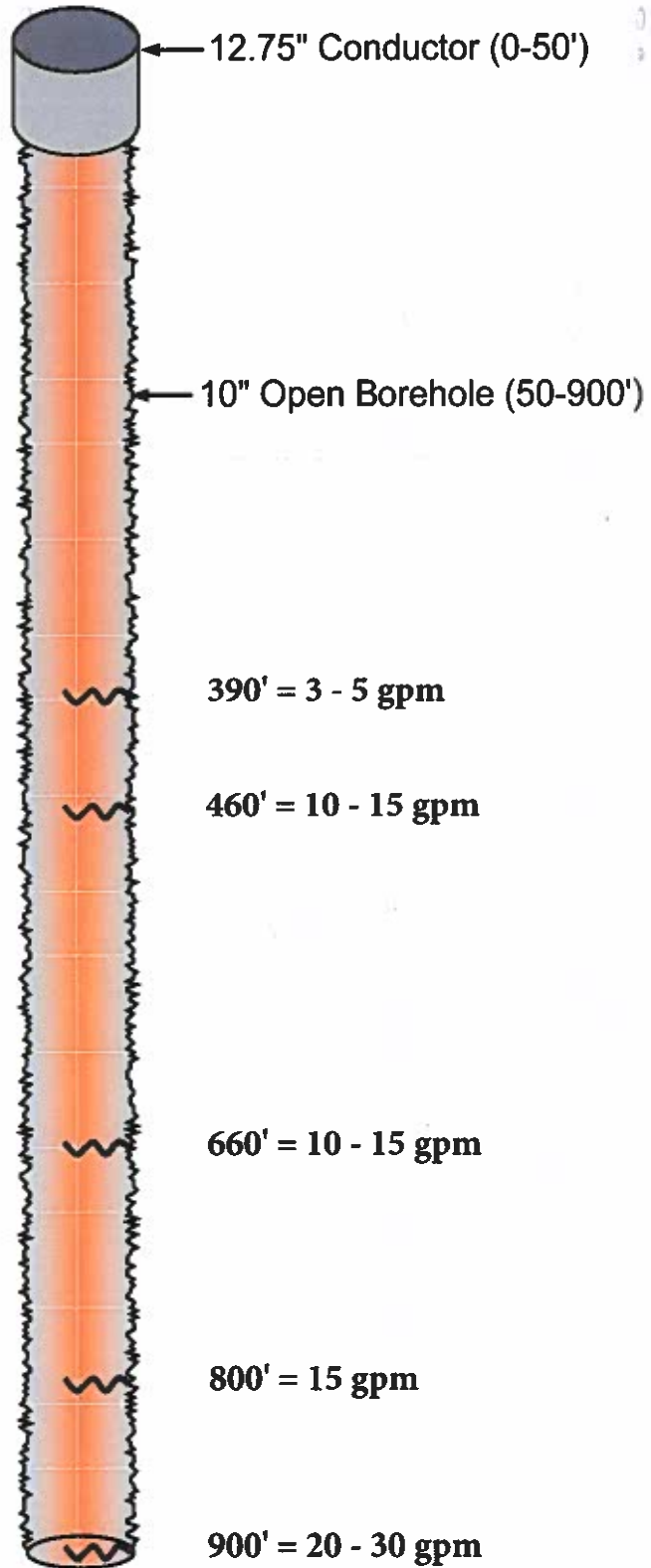
Borehole Specifications		
Depth from Surface Feet to Feet		Borehole Diameter (inches)
0	50	17
50	900	10

Certification Statement			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief			
Name	WELL INDUSTRIES INC		
	Person, Firm or Corporation		
3282 HIGHWAY 32	CHICO	CA	95973
Address	City	State	Zip
Signed	<i>electronic signature received</i>	05/13/2024	812678
	C-57 Licensed Water Well Contractor	Date Signed	C-57 License Number

DWR Use Only			
CSG #	State Well Number	Site Code	Local Well Number
		N	W
Latitude Deg/Min/Sec		Longitude Deg/Min/Sec	
TRS:			
APN:			

**WELL SCHEMATIC
AWS SITE WELL**

Groveland Community Services District



State of California
Well Completion Report
 Form DWR 188 Submitted 5/13/2024
 WCR2024-004087

Owner's Well Number Tank Site Well Date Work Began 03/10/2024 Date Work Ended 03/24/2024
 Local Permit Agency Community Resources Agency - Environmental Health
 Secondary Permit Agency _____ Permit Number EH-23-73 Permit Date 01/22/2024

Well Owner (must remain confidential pursuant to Water Code 13752)	Planned Use and Activity
Name <u>GROVELAND COMMUNITY SERVICES DISTRICT,</u>	Activity <u>New Well</u>
Mailing Address <u>18966 Ferretti Rd</u>	Planned Use <u>Water Supply Public</u>
City <u>Groveland</u> State <u>CA</u> Zip <u>95321</u>	

Well Location	
Address <u>18790 Vernal DR</u>	APN <u>066650006</u>
City <u>Groveland</u> Zip <u>95321</u> County <u>Tuolumne</u>	Township <u>01 S</u>
Latitude <u>37 49 36.3126 N</u> Longitude <u>-120 13 50.3014 W</u>	Range <u>16 E</u>
Deg. Min. Sec. Deg. Min. Sec.	Section <u>28</u>
Dec. Lat. <u>37.8267535</u> Dec. Long. <u>-120.2306393</u>	Baseline Meridian <u>Mount Diablo</u>
Vertical Datum _____ Horizontal Datum <u>WGS84</u>	Ground Surface Elevation _____
Location Accuracy _____ Location Determination Method _____	Elevation Accuracy _____
	Elevation Determination Method _____

Borehole Information	
Orientation <u>Vertical</u> Specify _____	
Drilling Method <u>Downhole Hammer</u> Drilling Fluid <u>Foam</u>	
Total Depth of Boring <u>740</u> Feet	
Total Depth of Completed Well <u>740</u> Feet	

Water Level and Yield of Completed Well	
Depth to first water <u>200</u> (Feet below surface)	
Depth to Static _____	
Water Level _____ (Feet) Date Measured <u>03/12/2024</u>	
Estimated Yield* <u>120</u> (GPM) Test Type <u>Air Lift</u>	
Test Length <u>2</u> (Hours) Total Drawdown _____ (feet)	
*May not be representative of a well's long term yield.	

Geologic Log - Free Form		
Depth from Surface	Feet to Feet	Description
0	18	Clay
18	20	Granite
20	62	Rocky Clay
62	740	Fractured Granite

Casings										
Casing #	Depth from Surface Feet to Feet		Casing Type	Material	Casings Specifications	Wall Thickness (inches)	Outside Diameter (inches)	Screen Type	Slot Size if any (inches)	Description
1	0	80	Conductor or Fill Pipe	Low Carbon Steel	Grade: ASTM A53	0.25	12.75			Surface Conductor
1	80	740	No Casing Installed	Low Carbon Steel	Grade: ASTM A53					Open Borehole

Annular Material					
Depth from Surface Feet to Feet		Fill	Fill Type Details	Filter Pack Size	Description
0	80	Cement	10.3 Sack Mix		ANNULAR CEMENT SEAL
0	740	Other Fill	See description.		Open Borehole

Other Observations:

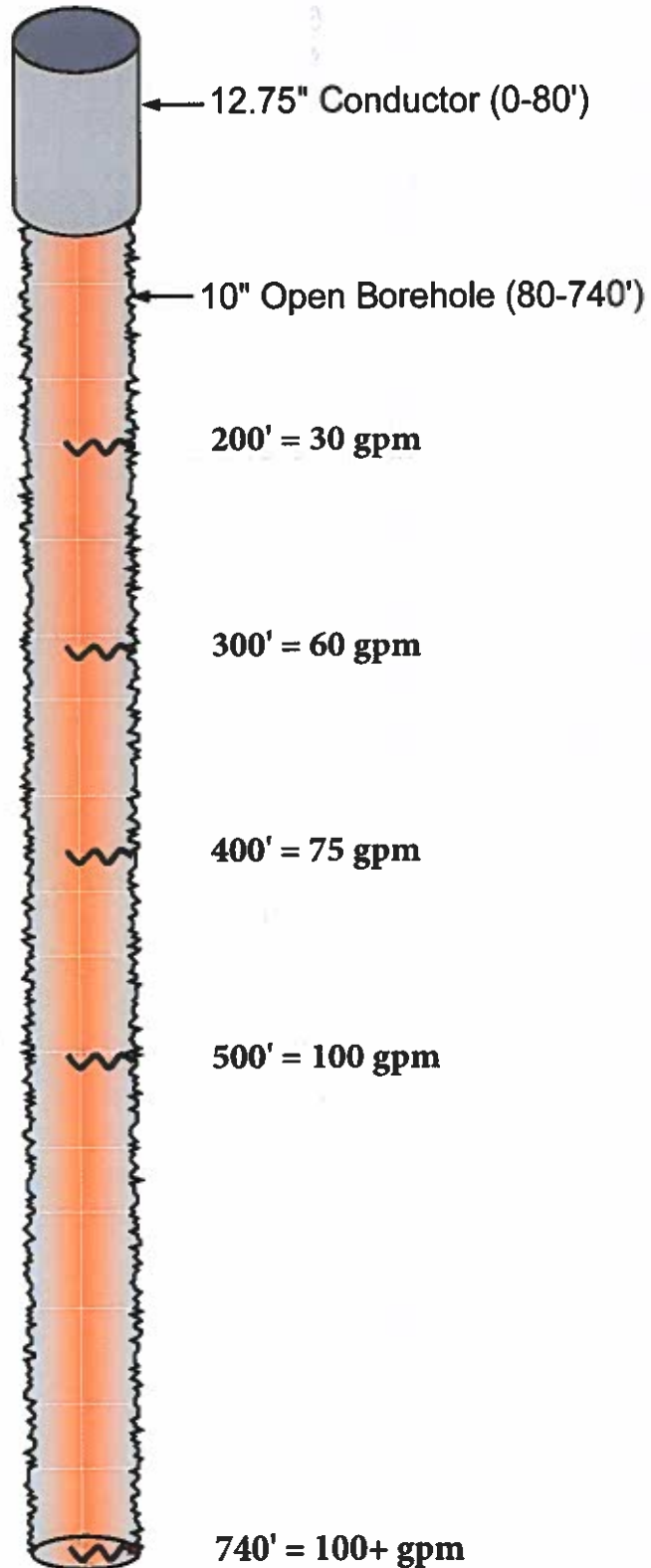
Borehole Specifications		
Depth from Surface Feet to Feet		Borehole Diameter (inches)
0	80	17
80	740	10

Certification Statement			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief			
Name	WELL INDUSTRIES INC		
	Person, Firm or Corporation		
3282 HIGHWAY 32	CHICO	CA	95973
Address	City	State	Zip
Signed	<i>electronic signature received</i>	05/13/2024	812678
	C-57 Licensed Water Well Contractor	Date Signed	C-57 License Number

DWR Use Only			
CSG #	State Well Number	Site Code	Local Well Number
		N	W
Latitude Deg/Min/Sec		Longitude Deg/Min/Sec	
TRS:			
APN:			

WELL SCHEMATIC TANK SITE WELL

Groveland Community Services District



**RECORDING REQUESTED BY:
AND FOR THE BENEFIT OF,**

Groveland Community Services District
No Fee-Gov/t. Code Sections
6103 and 27383

WHEN RECORDED, MAIL TO:

Groveland Community Services District
18966 Ferretti Rd,
Groveland, CA 95321

**Recorded in Official Records
County of Tuolumne County**

**Kaenan Whitman
County Recorder**

DOC # 2025-001180

02/07/2025
09:37 AM

Titles: 1 Pages: 1

Fees: \$0.00

Taxes: \$0.00

CA SB2 Fee: \$0.00

Total: \$0.00

cvillalobos

SPACE ABOVE THIS LINE FOR RECORDER'S USE

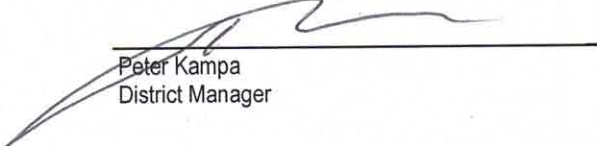
NOTICE OF COMPLETION

Notice pursuant to Civil Code Section 3093, must be filed within 10 days after completion.

Notice is hereby given that:

1. The undersigned is owner or corporate officer of the owner of the interest or estate stated below in the property hereinafter described:
2. The full name of the owner is: **Groveland Community Services District**
3. The full address of the owner is: **18966 Ferretti Rd, Groveland, CA 95321**
4. The nature of the interest or estate of the owner is: **In Fee**
5. A work of improvement on the property hereinafter described was completed on: **February 4, 2025**. The work done was: **Hardrock Groundwater Well Improvements Project**.
6. The name of the contractor, if any, for such work of improvement was: **Well Industries, Inc, 3282 CA-32, Chico, CA 95973**.
7. The properties on which said work of improvements were completed are in the County of Tuolumne, State of California, and are described as follows: **Construction of two hardrock groundwater test wells**.
8. The street addresses of said properties are: **18790 Vernal Dr., Groveland, CA 95321 and 19000 Ferretti Rd, Groveland, CA 95321,**

Dated: 2-5-2025



Peter Kampa
District Manager

VERIFICATION

I, the undersigned, say: I am the Engineer for the Groveland Community Services District, the declarant of the foregoing notice of completion;

I have read said notice of completion and know the contents thereof; the same is true of my own knowledge. I declare under penalty of perjury that the foregoing is true and correct.



(PERSONAL SIGNATURE OF THE INDIVIDUAL WHO IS SWEARING THAT THE CONTENTS OF THE NOTICE OF COMPLETION ARE TRUE.)

Executed on February 4, 2025, at Fresno, CA

(DATE) (LOCATION)

RESOLUTION 47-2023

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE GROVELAND COMMUNITY SERVICES DISTRICT ADOPTION OF A RESOLUTION APPROVING AN AGREEMENT WITH WELL INDUSTRIES, INC., THE LOWEST BIDDER FOR THE HARDROCK GROUNDWATER TEST WELL PROJECT

WHEREAS, the Groveland Community Services District (herein referred to as District) is a local government agency formed and operating in accordance with Section §61000 et seq. of the California Government Code; and

WHEREAS, the District has the authority to construct, operate and maintain the municipal water infrastructure; and

WHEREAS, the District needs to complete improvements to the water infrastructure; and

WHEREAS, the proposed improvements shall be funded in full by a State of California (Department of Water Resources) Urban And Multibenefit Drought Relief Grant; and

WHEREAS, AM Consulting Engineers prepared plans and specifications for the Hardrock Groundwater Test Well Project; and

WHEREAS, the Project was advertised on September 9, 2023 in the Union Democrat; and

WHEREAS, a mandatory pre-bid meeting was held on September 20, 2023 where four (4) contractors attended; and

WHEREAS, the bids received were publicly opened and read on October 4, 2023; and

WHEREAS, the District has the authority to reject any and all bids, and waive any minor irregularities in any bid:

WHEREAS, the District has the right to award the contract to the lowest responsive bidder; and

WHEREAS, Well Industries, Inc. bid dated October 4, 2023 is included herein for reference and we are to be included in the contract documents as detailed in the project specifications.

NOW THEREFORE BE IT RESOLVED THAT THE BOARD OF DIRECTORS OF THE GROVELAND COMMUNITY SERVICES DISTRICT DOES HEREBY approve as follows:

1. The General Manager is authorized to issue Notice of Award to the lowest bidder Well Industries, Inc.
2. The General Manager is authorized to execute the construction contract to the lowest bidder Well Industries, Inc. in the amount of \$200,200.00 after the Contractor's Performance and Payment Bonds are received.
3. The General Manager is authorized to negotiate Construction Change Orders (CCO) in an amount not to exceed a 15% increase in the original bid and contract amount.
4. The General Manager is authorized to negotiate deductive (cost) change order that result in a comparable work product.
5. The General Manager is authorized to negotiate a construction start date and issue the Notice to Proceed to the Contractor in accordance with the Project Plans and Specifications.
6. The General Manager is authorized to approve and process Contractor payments within the cost limitations stated herein, in accordance with the Project Plans and Specifications.
7. The General Manager is authorized to file the Project Notice of Completion in accordance with the Plans and Specifications.

WHEREFORE, this Resolution is passed and adopted by the Board of Directors of the Groveland Community Services District on October 10, 2023, by the following vote:

AYES: Directors Kwiatkowski, Armstrong, and Edwards

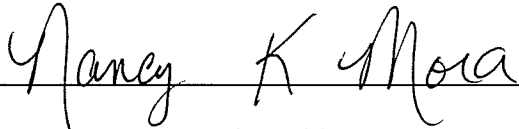
NOES:

ABSTAIN:

ABSENT: Directors Mora, and Swan


Resolution 47-2023

APPROVE:



Nancy Mora, Board President

ATTEST:



Rachel Pearlman, Board Secretary

CERTIFICATE OF SECRETARY

I, Rachel Pearlman, the duly appointed and acting Secretary of the Board of Directors of the Groveland Community Services District, do hereby declare that the foregoing Resolution was duly passed and adopted at a Regular Meeting of the Board of Directors of the Groveland Community Services District, duly called and held on October 10, 2023.

DATED: 10-10-2023