



MAMMOTH COMMUNITY WATER DISTRICT
Post Office Box 597
Mammoth Lakes, California 93546-0597

NOTICE OF SPECIAL MEETING

NOTICE IS HEREBY GIVEN that the President of the Board of Directors of the Mammoth Community Water District has called a **SPECIAL MEETING** to be held **THURSDAY, JULY 9, 2020** at **8:00 A.M.**

Please Note:

Members of the public will have the opportunity to directly address the District Board of Directors concerning any item listed on the Agenda below before or during consideration of that item.

In accordance with the California Department of Public Health's and Governor Newsom's Executive Orders N-29-20 and N-33-20, the District boardroom is closed and this meeting will be conducted solely by video/teleconference with members of the Board attending from separate remote locations in response to the threat of COVID-19. The public is invited to listen, observe, and provide comments during the meeting by either method provided for below. The Board President will call for public comment on each agenda at the appropriate time and all votes will be taken by roll call.

For members of the public interested in viewing and having the ability to comment at the public meeting via Zoom, an internet enabled computer equipped with a microphone and speaker or a mobile device with a data plan is required. Use of a webcam is optional. You also may call in to the meeting using teleconference without video. Directors, staff, and members of the public who wish to participate in the meeting may do so by joining the following Zoom Videoconference Meeting: <https://zoom.us/j/7609342596> (meeting ID: 760 934 2596) OR join via teleconference by dialing 1-669-600-9128,760-934-2596#.

AGENDA

8:00 A.M.

Roll Call

Directors Cage, Creasy, Domaille, Smith, and Thompson

Current Business

A-1 Discussion of Problems Encountered in Drilling Well 32 and Direction to the General Manager Regarding Issuing a Change Order Under the Contract with Yellow Jacket Drilling for the Drilling of Well 32

Adjournment

The meeting will be held in the conference room at the District facility located one mile east of Old Mammoth Road on Meridian Boulevard, just off Highway 203, Mammoth Lakes, California.



MARK BUSBY
General Manager

Date of Issuance: Tuesday, July 07, 2020

Posted: MCWD Office
MCWD Website: www.mcwd.dst.ca.us
cc: Members, Board of Directors
Town of Mammoth Lakes
KMMT, KIBS, KSRW Radio

In compliance with the Americans with Disabilities Act, if you need a disability related modification or accommodation to participate in this meeting please call Stephanie Hake at (760) 934-2596 at least one full day before the meeting.

Documents and material relating to an open session agenda item that are provided to the Mammoth Community Water District Board of Directors less than 72 hours prior to a regular meeting will be available for public inspection and copying at the District facility located at 1315 Meridian Boulevard, Mammoth Lakes, California.

AGENDA ITEM

Subject: Discussion of Problems Encountered in Drilling Well 32 and Direction to the General Manager Regarding Issuing a Change Order Under the Contract with Yellow Jacket Drilling for the Drilling of Well 32

Information Provided By: Mark Busby, General Manager

Background

The Well 32 site is located on the edge of the Snowcreek Golf Course at the end of Ranch Road. The drilling of this well has been a component of the District's strategic plan for redundancy to the community's groundwater supply for several years. The project scope includes drilling an exploratory borehole to facilitate testing which would indicate if the well is suitable for development into a production well.

Discussion

The District's hydrogeology consultant's, Wildermuth Environmental Inc. (WEI), well design targeted a total depth of 800 feet below ground surface (bgs) to maximize the aquifer's potential yield. During the drilling process, at a depth of 670 feet bgs, the drilling contractor, Yellow Jacket Drilling (YJD), encountered unconsolidated sand. This prevented them from progressing deeper utilizing the drilling method in their contract, which was based on open hole drilling methods through consolidated materials.

At this juncture a water quality and pump test was conducted to determine potential yield at the 670 feet bgs. The results of the water quality test are pending. The pump test indicated only 200 gallons per minute (gpm) sustainable yield at the current level. The sustainable flow rate would need to be a minimum of 500 gpm in order for the well to be considered beneficial as a production well.

YJD has supplied the District with change orders (see attached) reflecting the significant changes in drilling equipment, material and labor cost which are required to continue developing the well through the unconsolidated sand to the target depth of 800 feet bgs.

Fiscal Impact

Change order no. 1: Complete exploratory borehole to 800 feet bgs \$158,220 (see attached)

Change Order Zone Sampling: Zone flow pump and sample testing \$43,283 (see attached)

Change Order no. 4: Complete conversion of exploratory borehole to a production well \$262,090 (see attached)

Total change orders to complete production Well 32 to design depth of 800 feet bgs \$463,593, which is a 35% increase to YJD's original contract.

Requested Action

Discussion and direction to staff regarding issuing change orders under the contract with Yellow Jacket Drilling for the drilling of Well 32.



YELLOW JACKET DRILLING SERVICES

The Southwest's Premier Provider of Innovative Drilling and Well Services

Mr. David Carlson
Mammoth Community Water District
1315 Meridian Blvd.
Mammoth Lakes, CA 93546

Date: 7/1/20
Change Order No. 1 Revised

Subject: Well No. 32 (change order for casing advance drilling beyond 100')

Change in Scope of Services: transport tooling, telescope, and advance 10" borehole

*Note: All other associated costs will remain as previously contracted.

Item	Quantity	Unit	Cost	Price
CHANGE ORDER COSTS				
Trucking; R/T Transportation of Drill Tooling	1	LS	\$ 4,000.00	\$ 4,000.00
Convert to 10" DR Drill Method	1	EA	\$ 20,550.00	\$ 20,550.00
10" DR Casing Advance Bit	0	EA	\$ 14,690.00	\$ -
10" DR Drill Casing Rental	1	EA	\$ 21,495.00	\$ 21,495.00
Telescope-in 10" DR Tooling, 0'-670'	670	LF	\$ 40.00	\$ 26,800.00
Convert to 9 7/8" DHH Drill Method	1	EA	\$ 13,700.00	\$ 13,700.00
9 7/8" DHH Bit	1	EA	\$ 7,975.00	\$ 7,975.00
Drill 10" DR, 670'-800'	130	LF	\$ 580.00	\$ 75,400.00
Drill Air Rotary 12" Pilot Borehole from 670' to 800' Credit	130	FT	\$ (90.00)	\$ (11,700.00)
Drill Air Rotary 9 7/8" Pilot Borehole		FT	\$ 90.00	\$ -
Estimated Change Order Total				\$ 158,220.00

Thank you for your assistance with this matter. If you have any questions, or if we may be of any further assistance please do not hesitate to contact us at (602) 453-3252.

Sincerely,
Yellow Jacket Drilling Services, LLC

Eddie Johnson
Field Operations Manager

Acceptance of all outlined pricing, terms and conditions:

Company Name: _____

Authorized Representative (Name & Title): _____

Signature: _____



YELLOW JACKET

DRILLING SERVICES

The Southwest's Premier Provider of Innovative Drilling and Well Services

Mr. David Carlson
Mammoth Community Water District
1315 Meridian Blvd.
Mammoth Lakes, CA 93546

Date: 7/1/20
Change Order No. Zone Sample

Subject: Well No. 32 (Zone sample in 40' increments from 800' to 660')

Change in Scope of Services: Transport tooling, Assemble and install zone sampling screen, Pull 10" casing 40' to expose the screen, airlift and check draw down and flow rate.

*Note: All other associated costs will remain as previously contracted.

Item	Quantity	Unit	Cost	Price
CHANGE ORDER COSTS				
Trucking; R/T Transportation of Drill Tooling	1	LS	\$ 2,000.00	\$ 2,000.00
Convert to Zone Sampling	1	EA	\$ 10,050.00	\$ 10,050.00
8 5/8" O.D. - .020 Slot - 304SS V-Wire	40	FT	\$ 116.00	\$ 4,640.00
10"x8 5/8" K-Packer	1	EA	\$ 460.00	\$ 460.00
Install Screen Assembly and Pull Casing - 40' Zones (800'-660')	4	EA	\$ 4,020.00	\$ 16,080.00
Airlift 40' Zones - (800'-660')	4	EA	\$ 1,507.00	\$ 6,028.00
Remove Zone Sample Screen Assembly	1	EA	\$ 4,025.00	\$ 4,025.00
				\$ -
Estimated Change Order Total				\$ 43,283.00

Thank you for your assistance with this matter. If you have any questions, or if we may be of any further assistance please do not hesitate to contact us at (602) 453-3252.

Sincerely,
Yellow Jacket Drilling Services, LLC

Eddie Johnson
Field Operations Manager

Acceptance of all outlined pricing, terms and conditions:

Company Name: _____

Authorized Representative (Name & Title): _____

Signature: _____



YELLOW JACKET

DRILLING SERVICES

The Southwest's Premier Provider of Innovative Drilling and Well Services

Mr. David Carlson
Mammoth Community Water District
1315 Meridian Blvd.
Mammoth Lakes, CA 93546

Date: 6/25/20
Change Order No. 4

Subject: Well No. 32 (change order for casing advance drilling beyond 100')

Change in Scope of Services: transport tooling, telescope, and advance 18" DR cased boreholes; and 17" uncased borehole

*Note: All other associated costs will remain as previously contracted.

Item	Quantity	Unit	Cost	Price
CHANGE ORDER COSTS				
Trucking; R/T Transportation of Drill Tooling	1	LS	\$ 5,000.00	\$ 5,000.00
Convert to 18" DR Drill Method	1	EA	\$ 27,400.00	\$ 27,400.00
18" DR Casing Advance Bit	1	EA	\$ 39,225.00	\$ 39,225.00
18" DR Drill Casing Rental	1	EA	\$ 37,465.00	\$ 37,465.00
Telescope-in 18" DR Tooling, 0'-670'	670	LF	\$ 60.00	\$ 40,200.00
Convert to 17" DHH Drill Method	1	EA	\$ 13,700.00	\$ 13,700.00
17" DHH Bit	1	EA	\$ 19,150.00	\$ 19,150.00
Drill 18" DR and/or 17" DHH Borehole, 670'-800'	130	LF	\$ 725.00	\$ 94,250.00
Enlarge 12" Pilot Borehole to 19" from 670' to 800' Credit	130	FT	\$ (110.00)	\$ (14,300.00)

Estimated Change Order Total

\$ 262,090.00

Thank you for your assistance with this matter. If you have any questions, or if we may be of any further assistance please do not hesitate to contact us at (602) 453-3252.

Sincerely,
Yellow Jacket Drilling Services, LLC

Eddie Johnson
Field Operations Manager

Acceptance of all outlined pricing, terms and conditions:

Company Name: _____

Authorized Representative (Name & Title): _____

Signature: _____