

Ed Stowe <estowe@mountainwtr.com>

12/3/2020 9:17 AM

Well Pricing and Work Change Directive

To Jacob Qualls <cityclerk@newmeadowsidaho.us> • Julie Good <juliegcitynm@gmail.com> Copy
Doug Buys (nmcitysewer@frontiernet.net) <nmcitysewer@frontiernet.net> • Tim Farrell <tfarrell@mountainwtr.com> •
Bryan Donaldson <bdonaldson@mountainwtr.com> • Bri Cornwall <bcornwall@mountainwtr.com>

Good morning Mac and Julie,

Attached is a work change directive indicating the unit price for installing the additional 16-inch temporary casing in the well required to hold the bore open down to the basalt. The unit price is slightly less than cost for the 20" bore and temp casing included on the bid form, which we believe is a reasonable amount. This work change directive document indicates agreement on the need for the additional work and an increase in contract price. We will adjust the final quantities and overall contract price with a single change order once the work is complete using the unit price included in this work change directive. If you can sign and send this work change directive back over I will send it along to USDA/DEQ/Commerce along with the contract time change order as a single package for final approval.

The spreadsheet attached to the work change directive summarizes where we are projecting costs at based on the work completed to date, including change order 1 for the temporary access road. We ended up needing an additional 140 feet of the 16" temp casing, which will add \$38,710 to the cost of the work, but this will be offset by a reduction in the amount of 15" open hole bore required resulting in savings of \$12,194. I've also included the changes in quantities for switching from slotted casing to stainless steel screen as discussed at the preconstruction meeting. This will be at no net change to the contract price; we will be reducing the quantity of slotted steel casing to zero and increasing the quantity of blank 12" steel liner by 240', with the difference between the two items used to pay for 200' of stainless steel screen. We are estimating the total cost right now at completion at about \$250,000, or \$31,500 over the initial contract price based on the estimated quantities in the bid form.

As of yesterday evening the driller was at about 440' and they measured the rate water is being removed from the bore at about 350 gpm, so we have some water. We anticipate there will be an additional water-bearing zone encountered today based on the other city well logs and they should be down to about 500 feet or so by the end of the day, then close to being to 600 feet by the end of tomorrow. Depending on how things go we may come up and do caliper and camera logging of the bore on Saturday. Overall, things are looking good and we're optimistic that we can get a good well put in.

Please feel free to call or email with any questions.

Thank you,

Ed Stowe, P.E. | Mountain Waterworks, Inc.
PROJECT MANAGER
Boise - Lewiston - McCall
P 208.780.3992
C 208.771.2726
E estowe@mountainwtr.com<mailto:estowe@mountainwtr.com>

- 197.0010_NM Well 5_WCD1 (for owner approval).pdf (385 KB)

Work Change Directive No.

Date of Issuance: 11/23/2020	Effective Date: 11/23/2020
Owner: City of New Meadows	Owner's Contract No.:
Contractor: Dig Well Idaho	Contractor's Project No.:
Engineer: Mountain Waterworks	Engineer's Project No.: 197.0010
Project: Well 5 Construction	Contract Name: New Meadows Well No. 5 Construction Project

Contractor is directed to proceed promptly with the following change(s):

Description:

Drill and drive 16" temporary casing from current well depth of ~200 feet below ground until basalt is encountered, estimated at 400 feet below ground or less. Proceed with open hole drilling per plan after 16" temp casing is set in basalt. Remove 16" casing below 160 feet after well completed to depth. Place gravel pack to 160 feet below ground and place surface seal between 160 feet below ground and ground surface. Provide unit pricing per linear foot to drill, drive, and remove 16" temporary casing and estimated change in contract price based on 200 feet of temporary 16" casing.

Attachments: *[List documents supporting change]*

Purpose for Work Change Directive:

Directive to proceed promptly with the Work described herein, prior to agreeing to changes on Contract Price and Contract Time, is issued due to: *[check one or both of the following]*

- Non-agreement on pricing of proposed change.
- Necessity to proceed for schedule or other Project reasons.

Estimated Change in Contract Price and Contract Times (non-binding, preliminary):

Contract Price	\$ 276.50	<input checked="" type="checkbox"/> increase	<input type="checkbox"/> [decrease].
Contract Time	41 days	<input checked="" type="checkbox"/> increase	<input type="checkbox"/> [decrease].

Basis of estimated change in Contract Price:

- Lump Sum
- Cost of the Work
- Unit Price
- Other

<p>RECOMMENDED:</p> <p>By:  Engineer (Authorized Signature)</p> <p>Title: Project Manager</p> <p>Date: 11/25/2020</p>	<p>AUTHORIZED BY:</p> <p>By: _____ Owner (Authorized Signature)</p> <p>Title: _____</p> <p>Date: _____</p>	<p>RECEIVED:</p> <p>By:  Contractor (Authorized Signature)</p> <p>Title: Manager</p> <p>Date: 11/25/20</p>
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Approved by Funding Agency (if applicable)

By: _____ Date: _____
Title: _____

New Meadows Well 5 Cost Tracking (12/3/2020)

Pay Item	Description	Unit	Well 5 Bid Amounts			Change Order 1			CO1 Variance		Change Order 2 (Quantities to be Finalized at Completion of Job)			Total Variance	
			Unit Price	Quantity	Amount	Quantity	Amount	Quantity	Amount	Increase/ (Decrease)	Quantity	Amount	Increase/ (Decrease)	Quantity	Amount
1	Mobilization/Demobilization	LS	\$ 5,350.00	1	\$ 5,350.00	1	\$ 5,350.00	-	\$ -	1	\$ 5,350.00	0	\$ -		
2	Drill 20" Borehole	LF	\$ 279.84	160	\$ 44,774.40	160	\$ 44,774.40	-	\$ -	160	\$ 44,774.40	0	\$ -		
3	Install 16" Steel Casing	LS	\$ 73.02	160	\$ 11,683.20	160	\$ 11,683.20	-	\$ -	160	\$ 11,683.20	0	\$ -		
4	Furnish & Install Well Seal	LF	\$ 18.13	160	\$ 2,900.80	160	\$ 2,900.80	-	\$ -	160	\$ 2,900.80	0	\$ -		
5	Drill 15" Borehole	LF	\$ 87.10	440	\$ 38,324.00	440	\$ 38,324.00	-	\$ -	300	\$ 26,130.00	(140)	\$ (12,194.00)		
6	Install 12" Steel Liner	LF	\$ 86.19	140	\$ 12,066.60	140	\$ 12,066.60	-	\$ -	380	\$ 32,752.20	240	\$ 20,685.60		
7	Install 12" Steel Slotted Liner	LF	\$ 138.52	440	\$ 60,948.80	440	\$ 60,948.80	-	\$ -	0	\$ -	(440)	\$ (60,948.80)		
8	Furnish/Install Gravel Pack	HR	\$ 13.07	440	\$ 5,750.80	440	\$ 5,750.80	-	\$ -	440	\$ 5,750.80	0	\$ -		
9	Well Development	HR	\$ 300.00	8	\$ 2,400.00	8	\$ 2,400.00	-	\$ -	8	\$ 2,400.00	0	\$ -		
10	Furnish/Install Test Pump	LS	\$ 30,000.00	1	\$ 30,000.00	1	\$ 30,000.00	-	\$ -	1	\$ 30,000.00	0	\$ -		
11	Test Pumping 48 Hours	HR	\$ 83.33	48	\$ 3,999.84	48	\$ 3,999.84	-	\$ -	48	\$ 3,999.84	0	\$ -		
12	Rig Time	HR	\$ 250.00	4	\$ 1,000.00	4	\$ 1,000.00	-	\$ -	4	\$ 1,000.00	0	\$ -		
C01	Construct Temporary Access Road	LS		1	\$ 5,002.75	1	\$ 5,002.75	-	\$ 5,002.75	1	\$ 5,002.75	1	\$ 5,002.75		
C02	Furnish and Install Stainless Steel Well Screen	LF	\$ 201.32			200	\$ 40,264.00			200	\$ 40,264.00	200	\$ 40,264.00		
C02	Furnish, Install, and Remove 16" Temporary Casing	LF	\$ 276.50			140	\$ 38,710.00			140	\$ 38,710.00	140	\$ 38,710.00		
					TOTAL	\$ 219,198.44	\$ 224,201.19				\$ 250,717.99				
Change Order Additions															
Change Order Subtractions															
Total Increase in Contract Price															

Change Order Additions \$ 104,662.35
 Change Order Subtractions \$ (73,142.80)
 Total Increase in Contract Price \$ 31,519.55