

Department of Engineering
Tim Bryan, P.E., County Engineer

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MEMORANDUM

February 3, 2023

To: Sheila Jones, Supervisor, District I
Trey Baxter, Supervisor, District II
Gerald Steen, Supervisor, District III
Karl Banks, Supervisor, District IV
Paul Griffin, Supervisor, District V

From: Tim Bryan, P.E., PTOE
County Engineer

Re: Change Order #1
MegaSite Water Supply Well

The Engineering Department requests that the Board authorize Change Order #1 to the construction contract of Layne Christensen due to the original test well not producing adequate water. This caused the location of the well to change which increased the overall costs.

As a result, the Engineering Department requests that the Board President be authorized to sign the Change Order, in the amount of \$199,425.00 for a new project total of \$2,330,948.00

SHEILA JONES
District One

TREY BAXTER
District Two

GERALD STEEN
District Three

KARL BANKS
District Four

PAUL GRIFFIN
District Five

CONSTRUCTION CONTRACT MODIFICATION

Change Order No.: ONE (1) **Date:** September 30, 2022 **WEI No.:** 0020241.000

Name of Project: Mega Site Water Supply Well

Owner: Madison County Board of Supervisors

Contractor: Layne Christensen Company

Agreement Date: January 18, 2022 **Contract Time:** Three Hundred Sixty Five (365) Calendar Days

Contract Start Date: March 21, 2022 **Original Completion Date:** March 20, 2023

Contract Time (Increased) ~~(Decreased)~~ By: 240 Calendar Days

Revised Contract Completion Date: November 16, 2023

BREAKDOWN OF PROPOSED CHANGE

ITEM NO.	ITEM DESCRIPTION	ITEM UNIT	UNIT PRICE	CONTRACT QUANTITY	REVISED CONTRACT QUANTITY	CHANGE ORDER QUANTITY	CHANGE ORDER AMOUNT
CO#1-1	Mobilization, Demobilization	LS	\$ 95,000.00	1	2	1	\$ 95,000.00
3	12" C900 PVC Water Main	LF	\$ 245.00	340	150	-190	\$ (46,550.00)
4	18" Steel Casing, Jack and Bored	LF	\$ 665.00	45	0	-45	\$ (29,925.00)
5	12" Gate Valve and Box	EA	\$ 8,600.00	3	1	-2	\$ (17,200.00)
6	Connection to Ex. 12" Water Main	EA	\$ 12,000.00	1	0	-1	\$ (12,000.00)
7	Ductile Iron Fittings	LBS	\$ 19.00	1000	500	-500	\$ (9,500.00)
8	Test Hole (1,250')	LS	\$ 135,000.00	1	2	1	\$ 135,000.00
9	Add/Deduct if Test Hole Depth is other than 1,250'	LF	\$ 100.00				\$ -
10	Test Well (1,250')	LS	\$ 72,600.00	1	2	1	\$ 72,600.00
11	Add/Deduct if Test Well Depth is other than 1,250'	LF	\$ 25.00				\$ -
14	Add/Deduct if Screen Length is other than 100'	LF	\$ 100.00				\$ -
20	Chemical Enclosures, Chemical Equipment, Piping, and Appurtenances	LS	\$ 98,260.00	1	0	-1	\$ (98,260.00)
CO#1-20	Chemical Enclosures, Chemical Equipment, Piping, and Appurtenances(Site #2)	LS	\$ 110,260.00	0	1	1	\$ 110,260.00
							\$ 199,425.00

STATEMENT OF JUSTIFICATION:

- Revisions made in CDR No. 1 necessary for the new proposed well site

Total Change - (Increase) (Decrease)	\$ 199,425.00	
Original Contract Amount	\$ 2,131,523.00	Original Contract Time <u>365</u>
Contract Amount Revised by Previous Change Order	\$ -	Total Change <u>240</u>
Proposed Revised Contract Amount	\$ 2,330,948.00	Revised Contract Time <u>605</u>

Requested By: Madison County Board of Supervisors

By: Gerald Steen **Title:** Board President **Date:** _____

Recommended By: Waggoner Engineering, Inc.

By: Hayden Overby, P.E. **Title:** Sr. Project Manager **Date:** 01/23/2023

Accepted By: Layne Christensen Company

By: Steve Anderson **Title:** Project Manager **Date:** 1/24/2023