

## Weber County – 12th Street Corridor, Segment 4

Owner :	Weber County		Change Order #	1	
Engineer:	Stanley Consultants				
Contractor:	Staker Parson		Date:	10/2/2024	
Description: Switch 1" rock for bedding sand to mitigate the wet backfill conditions on the waterline					
Item No.	Description	Unit	Quantity	Unit Price	Amount Increase/Decrease
79 (WB 10)	Additional Cost for 1-inch Gravel and Separation Fabric	Ton	11520	\$ 16.03	\$ 184,665.60
<b>Total Net Changes for this change order</b>					<b>\$ 184,665.60</b>
<b>Original Contract Amount</b>					<b>\$14,663,836.25</b>
Change Amount of this Change Order					\$ 184,665.60
<b>Total Adjusted Contract Amount</b>					<b>\$14,848,501.85</b>

Contractor: Jeff Davis Digitally signed by Jeff Davis  
DN: C=US, E=jeff.davis@stakeparson.com,  
O=Staker Parson Companies, CN=Jeff Davis  
Date: 2024.10.04 09:46:43-06'00'

Date: 10/4/2024

Engineer: Brandon Fenton

Date: 10/4/2024

Owner: Cooney Myer

Date: 10/7/24

Commision: \_\_\_\_\_

Date: \_\_\_\_\_



## Weber County – 12<sup>th</sup> Street Corridor, Segment 4 Change Order 1

The backfill material for the Weber Basin Water Conservation District (WBWCD) waterline was brought up during the preconstruction meeting for the project. The representatives from WBWCD stated the backfill needs to be ¾-inch gravel with separation fabric placed over the top to mitigate the expected existing wet conditions of the trenches due to the high ground water in the area. This same question was posed during the open bidding window and bidders were instructed to bid the standard bedding sand. It was further discussed during the weekly project coordination meetings and agreed upon to anticipate wet soft conditions in the waterline trenches and to provide the gravel covered with separation fabric. WBWCD standards require a ¾-inch gravel in these wet conditions. After reviewing material costs of the gravel there is quite a bit of cost difference between the ¾-inch gravel and the 1-inch gravel due to the additional screening and washing of the ¾-inch gravel. Both gravel options were presented to WBWCD representatives, and they approved the use of the 1-inch gravel with the conditions of the material does not contain shards, doesn't exceed 1-inch in size and that the material is not too angular. WBWCD's approval is shown in Exhibit C. This change order is to cover the costs of switching the bedding sand out for 1-inch gravel and adding a layer of separation fabric on top of the gravel to avoid potential settlement issues caused by the migration of the fines in the rest of the trench backfill. These changes are only for areas with existing wet conditions and must be approved by the Engineer prior to use.

The following items are being added to the contract.

Add Item:        79        Additional Cost for 1-inch Gravel and Separation Fabric

(79 – Additional Cost for 1-inch Gravel and Separation Fabric) To mitigate the expected wet trenching conditions and provide a stable base for the new WBWCD waterline it has been agreed upon to switch out the bedding sand with 1-inch gravel covered in separation fabric. This pay item is to cover all the labor and materials cost difference to install 1-gravel with a layer of separation fabric in place of the bedding sand due to the wet trench conditions. The contractor has submitted a material cost difference of \$16.03 per ton between the bedding sand and the 1-inch gravel with fabric. The contractor's cost breakdown is shown in Exhibit A. An independent costs analysis was conducted by the engineer to verify the contractor's pricing. The engineer's costs analysis was conducted using material costs provided during the previous phase of construction and using UDOT standard bid pricing. The engineer's cost estimate to install the 1-gravel and separation fabric in place of the bedding sand came to a cost difference of \$15.29 per ton.

Staker Parson submitted a cost for each item as follows:

Item No.	Description	Unit	Quantity	Unit Price	Amount Increase/Decrease
79 (WB 10)	Additional Cost for 1-inch Gravel and Separation Fabric	Ton	11520	\$ 16.03	\$ 184,665.60

Based on the information and pricing submitted from Staker Parson, it was determined that the unit prices are in line with similar items on other roadway projects, this change order is thereby recommended for acceptance.

**Contract Time**

This work does not affect the Contractor's critical path, so no additional time will be added for this change order.



**Exhibit A**  
**Staker Parson Materials & Construction**  
 A CRH Company

Ogden - 2350 S. 1900 W. Ogden, UT 84401 | P: (801) 731-1111 F: (801) 731-8800  
 Brigham City - PO Box 517 Brigham City, UT 84302 | P: (435) 723-5216 F: (435) 723-9343  
 Smithfield - PO Box 65 Smithfield, UT 84335 | P: (435) 563-3242 F: (435) 563-9480

*The Preferred Source for quality sand, rock, landscape products.  
 ready mix concrete, asphalt, paving & construction services.*

<b>To:</b> Weber County Engineering	<b>Contact:</b> Gary Myers
<b>Address:</b> Ogden, UT	<b>Phone:</b> (801) 399-8007
	<b>Fax:</b>
<b>Project Name:</b> West 12th Street Corridor Phase 4	<b>Bid Number:</b>
<b>Project Location:</b> 12th St - 7100 W To 8300 W, Weber County, UT	<b>Bid Date:</b> 9/6/2024

**JOB SPECIFICATION AND PRICE:**

**(IF UNIT PRICES ARE QUOTED, UNITS WILL BE MEASURED ON COMPLETION AND INVOICED AT UNIT PRICES QUOTED).**

**IF OWNER ELECTS TO EXECUTE OWN CONTRACT AGREEMENT, THIS PROPOSAL IS TO BECOME PART OF AND ATTACHED TO OWNERS CONTRACT**

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
	901	Credit For Bedding Sand	-11,520.00	TON	\$20.67	(\$238,118.40)
	902	Import 3/4" (Brigham Pit) And Cover The Top Of Trench With Fabric	11,520.00	TON	\$43.82	\$504,806.40
	903	Import 1" Rock (Maguire Pit) And Cover The Top Of Trench With Fabric	11,520.00	TON	\$36.70	\$422,784.00

**Notes:**

- \* Bid includes only the items as specified and described above.

**Payment Terms:**

Refer to attached Terms & Conditions. Please note\*\*\*Effective March 1, 2019, payment by credit card will no longer be allowed on Construction Service Invoices\*\*\*

<p><b>ACCEPTED:</b>          The above prices, specifications and conditions are satisfactory and are hereby accepted.</p> <p><b>Buyer:</b> _____</p> <p><b>Signature:</b> _____</p> <p><b>Date of Acceptance:</b> _____</p>	<p><b>CONFIRMED:</b>  <b>STAKER   PARSON COMPANIES</b></p> <p><b>Authorized Signature:</b> _____</p> <p><b>Estimator:</b> Jeff Davis          (801) 409-2483 jeff.davis@stakerparson.com</p>
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Exhibit A



3738 North Higley Rd  
 Farr West, UT 84404  
 P: 801-731-3391  
 F: 801-732-9263

<b>To:</b> Staker/Parson Companies	<b>Contact:</b> Jeff Davis
<b>Address:</b> 2350 South 1900 West Ogden, UT 84401	<b>Phone:</b> (801) 731-1111 <b>Fax:</b> (801) 409-2687
<b>Project Name:</b> West 12th Street Corridor Phase 4	<b>Bid Number:</b>
<b>Project Location:</b> 7500 West 12th Street, Ogden, UT	<b>Bid Date:</b> 4/24/2024

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
902	Credit For Bedding Sand (Backfill Material)	-11,520.00	TON	\$20.07	(\$231,206.40)
903	Import 1" Rock (McGuire Pit) And Cover The Top Of The Trench With Fabric	11,520.00	TON	\$34.95	\$402,624.00

**Notes:**

- Proposal Does NOT Include Payment And Performance Bond
- Survey, Layout or Engineering is Not Included
- Compaction Testing is NOT Included
- Permits & Fees are NOT Included
- Traffic Control by General Contractor
- All Asphalt, Concrete or Landscape Restoration by Others

Credit for sand material from McGuire Pit is:

- Sand \$9.61 (Cost is \$8.58) per ton & Haul is \$10.46 = \$20.07

1" Rock from McGuire Pit

- 1" Rock \$19.87 (Cost is \$17.64) per ton & Haul is \$10.46

- Fabric for the trench is \$1.21 per SY for the material & \$3.69 per SY for the labor/equipment to install

<p><b>ACCEPTED:</b>                  The above prices, specifications and conditions are satisfactory and are hereby accepted.</p> <p><b>Buyer:</b> _____</p> <p><b>Signature:</b> _____</p> <p><b>Date of Acceptance:</b> _____</p>	<p><b>CONFIRMED:</b>  <b>Brinkerhoff Excavating</b></p> <p><b>Authorized Signature:</b> _____</p> <p><b>Estimator:</b> Scott Lindsay                  (801) 514-1103 scott@brinkerhoffexcavating.com</p>
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**Weber County – 12<sup>th</sup> Street Segment 4  
Engineer's Independent Cost Analysis**

**Material pricing difference between 1-inch gravel and bedding sand**

Pricing quote on 1-inch crushed rock = \$19.31 per ton

Pricing quote on bedding sand = \$8.79 per ton

Ton price difference = \$19.31 - \$8.79 = \$10.52 per ton

**Material and installation of separation fabric over trench**

Pulled average UDOT bid pricing over the past year = \$3.40 per sq yd

Area = 18,200 feet x 8 feet = 145,600 sq ft x 1 sq yd / 9 sq ft = 16,178 sq yd

Total cost = 16,178 sq yd x \$3.40 per sq yd = \$55,005.20

Cost per ton = \$55,005.20 / 11520 tons = \$4.77 per ton

**Total cost per ton = \$10.52 + \$4.77 = \$15.29 per ton**

Exhibit B

Container		Container Description					
10 - ROADWAY							
Line No	Item No	Item Name			Unit	Bid Type	
	1	20757010	Separation Geotextile			sq yd	Bid
Project	Region	County	Bid Date	Qty	Contractor	Bid Amount	Unit price
16490 700 W, 300 W & TRAX over I-215 Bridge Rehabs Replacement and Rehabilitation - Structure Design Bid Build	Region 2	Salt Lake	12/12/2023	1,055	AMES CONSTRUCTION, INC.	\$6,330.00	\$6.00
				1,055	GRANITE CONSTRUCTION COMPANY	\$4,378.25	\$4.15
				1,055	RALPH L WADSWORTH CONSTRUCTION CO LLC	\$9,284.00	\$8.80
				1,055	W. W. CLYDE & CO	\$4,220.00	\$4.00
16497 US-6 Improvements in Spanish Fork Choke Point Design Bid Build	Region 3	Utah	10/31/2023	1,657	STACY AND WITBECK	\$13,256.00	\$8.00
				1,657	STAKER & PARSON COS DBA STAKER PAVING &	\$28,169.00	\$17.00
16511 Foremaster Dr. Culvert Replacements, 053045V Replacement and Rehabilitation - Structure Design Bid Build	Region 4	Washington	4/30/2024	1,234	INTERSTATE ROCK PRODUCTS, INC.	\$2,838.20	\$2.30
				1,234	SUNROC CORPORATION	\$2,344.60	\$1.90
16588 Tom's Lane South Extension Small Urban Design Bid Build	Region 2	Tooele	8/20/2024	9,360	ACME CONSTRUCTION INC	\$46,800.00	\$5.00
				13,351	ACME CONSTRUCTION INC	\$53,404.00	\$4.00
				9,360	GENEVA ROCK PRODUCTS, INC.	\$24,804.00	\$2.65
				13,351	GENEVA ROCK PRODUCTS, INC.	\$35,380.15	\$2.65
				9,360	MC CONTRACTORS INC	\$14,040.00	\$1.50
				13,351	MC CONTRACTORS INC	\$19,759.48	\$1.48
				9,360	STAKER & PARSON COS DBA STAKER PAVING &	\$16,380.00	\$1.75
				13,351	STAKER & PARSON COS DBA STAKER PAVING &	\$23,364.25	\$1.75
				9,360	Stapp Construction, Inc.	\$55,224.00	\$5.90
17640 SR-85; Intersection Improvements Other-Roadway Project Design Bid Build	Region 2	Salt Lake	10/24/2023	2,859	ACME CONSTRUCTION INC	\$8,577.00	\$3.00
				2,859	DRY CREEK STRUCTURES LLC	\$6,289.80	\$2.20
				2,859	GENEVA ROCK PRODUCTS, INC.	\$10,292.40	\$3.60
				2,859	STAPP CONSTRUCTION	\$14,009.10	\$4.90
17869 Cross Towne Trail; 2700 West to Bangerter Hwy Transportation Alternatives Design Bid Build	Region 2	Salt Lake	2/29/2024	1,340	ACME CONSTRUCTION INC	\$6,700.00	\$5.00
				1,340	GENEVA ROCK PRODUCTS, INC.	\$7,705.00	\$5.75
				1,340	GRANITE CONSTRUCTION COMPANY	\$2,479.00	\$1.85
				1,340	MC CONTRACTORS INC	\$2,371.80	\$1.77
19631 1300 East; 4220 South to 4500 South Reconstruct no widening Design Bid Build	Region 2	Salt Lake	3/19/2024	4,400	ACME CONSTRUCTION INC	\$14,300.00	\$3.25
				4,400	GENEVA ROCK PRODUCTS, INC.	\$10,208.00	\$2.32
				4,400	GRANITE CONSTRUCTION COMPANY	\$12,100.00	\$2.75
				4,400	KILGORE COMPANIES, A DELAWARE LLC DBA KI	\$9,900.00	\$2.25
				4,400	MC CONTRACTORS INC	\$7,040.00	\$1.60

## Exhibit B

				4,400	STAKER & PARSON COS DBA STAKER PAVING &	\$7,700.00	\$1.75
19726							
Cottonwood Wash Bridge Replacement (OC 301) New Bridge/Bridge Replacement Design Bid Build	Region 4	San Juan	1/9/2024	6,353	RALPH L WADSWORTH CONSTRUCTION CO LLC	\$33,670.90	\$5.30
				6,353	W. W. CLYDE & CO	\$34,941.50	\$5.50
20377							
US-6 & US-191; Intersection Improvements Upgrade Existing At-Grade Intersection Design Bid Build	Region 4	Carbon	5/7/2024	13,243	GENEVA ROCK PRODUCTS, INC.	\$79,458.00	\$6.00
				13,243	STAKER & PARSON COS DBA NIELSON CONSTRUC	\$27,148.15	\$2.05
21130							
4700 South; 5400 West to 5600 West Reconstruct & Widening Design Bid Build	Region 2	Salt Lake	4/9/2024	6,396	ACME CONSTRUCTION INC	\$28,142.40	\$4.40
				6,396	GRANITE CONSTRUCTION COMPANY	\$9,913.80	\$1.55
				6,396	LANDMARK EXCAVATING INC	\$12,472.20	\$1.95
				6,396	MC CONTRACTORS INC	\$9,274.20	\$1.45
21179							
Capitol Hill Roundabout Contingency Funding Design Bid Build	Region 2	Salt Lake	8/20/2024	1,826	ACME CONSTRUCTION INC	\$10,956.00	\$6.00
				1,826	PRONGHORN CONSTRUCTION INC	\$6,391.00	\$3.50
				1,826	Stapp Construction, Inc.	\$10,043.00	\$5.50
					Weighted Average :		\$3.40



## Exhibit C

### Fenton, Brandon

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**From:** Carl Mackley <cmackley@weberbasin.gov>  
**Sent:** Monday, September 16, 2024 10:30 AM  
**To:** Fenton, Brandon  
**Cc:** Weight,Tucker; Myers,Gary; Shane McFarland; Zeke Bardwell; Davis, Jeff (Staker Parson); Joshua Prettyman, PE  
**Subject:** Re: 12th Street Corridor Seg 4 - PCO #1 Pipe Bedding Change

**\*\*\* EXTERNAL EMAIL - Use caution and verify authenticity before trusting any contents. \*\*\***

Brandon,

Sorry for the delayed response! I was off most of last week.

We had a good discussion this morning about the bedding material for the pipe. I was actually hoping that we could still use the sand. However, those with more experience with excavations in that location were concerned that it would be too wet to bed the pipe properly with the sand.

That said, we are willing to allow the 1" granular bedding material, as long as there aren't "shards" in it. We will take some samples of the material as construction proceeds, and if the material seems to large and angular, we will switch to the 3/4" material.

At this point, we approve using the 1" bedding material for Change Order #1.

**Carl W. Mackley, P.E.**  
**Staff Engineer**  
**Weber Basin Water**

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**From:** Fenton, Brandon <FentonBrandon@stanleygroup.com>  
**Sent:** Friday, September 13, 2024 8:27 AM  
**To:** Carl Mackley <cmackley@weberbasin.gov>  
**Cc:** Weight,Tucker <tweight@webercountyutah.gov>; Myers,Gary <gmyers@webercountyutah.gov>  
**Subject:** FW: 12th Street Corridor Seg 4 - PCO #1 Pipe Bedding Change

This message is from an external source. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Carl

Just following up on Staker's change order request for the rock backfill. Brinkerhoff will be on site next week and looking to get pipe started by the end of the week.

Brandon



**Brandon Fenton, Resident Engineer**  
STANLEYCONSULTANTS, 6975 Union Park Ave, Suite 300, Cottonwood Heights, UT 84047  
T: 801.559.4606 | M: 801.889.9063 | stanleyconsultants.com

Exhibit C

**From:** Fenton, Brandon  
**Sent:** Friday, September 6, 2024 12:35 PM  
**To:** Carl Mackley <cmackley@weberbasin.gov>  
**Cc:** Weight, Tucker <tweight@webercountyutah.gov>; Myers, Gary <gmyers@webercountyutah.gov>  
**Subject:** FW: 12th Street Corridor Seg 4 - PCO #1 Pipe Bedding Change

Carl

Attached is Staker's change order request to install the rock in place of the sand for the Weber Basin Waterline. Take a look at allowing the 1" rock as that will reduce the costs quite a bit. Let me know if you have any questions and if you are ok to proceed with these changes and costs.

Brandon



**Brandon Fenton, Resident Engineer**  
STANLEYCONSULTANTS, 6975 Union Park Ave, Suite 300, Cottonwood Heights, UT 84047  
T: 801.559.4606 | M: 801.889.9063 | stanleyconsultants.com

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**From:** Davis, Jeff (Staker Parson) <Jeff.Davis@stakerparson.com>  
**Sent:** Friday, September 6, 2024 11:45 AM  
**To:** Fenton, Brandon <FentonBrandon@stanleygroup.com>  
**Subject:** 12th Street Corridor Seg 4 - PCO #1 Pipe Bedding Change

**\*\*\* EXTERNAL EMAIL - Use caution and verify authenticity before trusting any contents. \*\*\***

Brandon,

Please find attached PCO # 1. This PCO includes changing from Bedding Sand to Rock. We have provided pricing for 2 options. Option 1 is for the ¾" Rock which Weber Basin had requested. This Rock Comes from our Pit in Brigham. Option 2 is for 1" Rock that would come from our Maguire Pit in Willard. There would be a fairly significant cost savings if they wanted to use 1" Rock out of Maguire. If you have any questions, let me know.

Thanks,

Jeff Davis  
Estimator / Project Manager  
Staker Parson Materials & Construction  
A CRH Company  
2350 S 1900 W  
Ogden, UT 84401

O + 1 (801) 409-2483  
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### Exhibit C

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