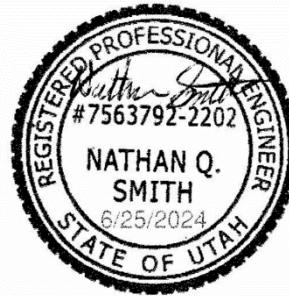


SECTION 00 90 10

ADDENDUM No. 1



PART 1 GENERAL

1.1 DOCUMENT INCLUDES

- A. Changes to Document 00 41 10 Bid Schedule

1.2 CONSTRUCTION CONTRACT

- A. The Construction Contract is known as 3300 S Storm Retention Project
- B. Date of this Addendum is June 25th, 2024

PART 2 CHANGES

2.1 CHANGES TO PRIOR ADDENDA

- A. None

2.2 CHANGES TO BIDDING REQUIREMENTS

- A. Measurements and Payment Part 3.17
 - 1. Bid Item No. 21 — Furnish and Install ACO StormBrixx Chamber System
 - i. Added the following verbiage to part B which states, "Payment also includes coordination with the gas utility company for their gas loop, the labor, equipment and material to expose the gas line in conflict and to backfill with 3" minus granular borrow import once the gas company has completed their loop. Includes compaction and testing"

2.3 CHANGES TO AGREEMENT AND OTHER CONTRACT FORMS

- A. None

2.4 CHANGES TO CONDITIONS OF THE CONTRACT

- A. None

2.5 CHANGES TO SPECIFICATIONS

- A. None

2.6 CHANGES TO DRAWINGS

- A. None

2.7 CLARIFICATIONS

- A. JUB Engineering designed the plans for this project using the underground retention StormBrixx Chamber System with the SAFL baffle and Skunk pretreatment structure to accomplish the project needs. These products are listed in the detail sheets C-502 and C-513. Please use these specific products when submitting bids.
- B. There is a 2" gas line in conflict with the underground retention and pretreatment structures. Dominion Energy performs their own gas loops, but the cost to coordinate with Dominion Energy, expose the gas line, backfill with 3" minus granular borrow, compact and test will be the contractors responsibility. Include these costs in the lump sum price of the Stormbrixx Chamber System bid item.

END OF SECTION

DOCUMENT 00 41 10

BID SCHEDULE

PART 1 GENERAL

1.1 DOCUMENT INCLUDES

- A. Bid schedules.
- B. Measurement and payment provisions.

1.2 CONSTRUCTION CONTRACT

- A. The Construction Contract is known as:
3300 S Storm Retention Project

1.3 REFERENCES

- A. APWA 01 29 00: Payment Procedures.
- B. Document 00 50 00: Agreement.

1.4 SCHEDULE TO BE ADDED TO THE AGREEMENT

- A. This document will be added to the Bid and Agreement by reference.

PART 2 BID SCHEDULES

2.1 GENERAL

- A. Based upon Bidder's own estimate of quantities and costs and in accordance with paragraph 2.5B.3 of the General Conditions (Document 00 72 00), Bidder submits quantities and prices of items aggregating the Contract Price. The following articles summarize the quantities and prices. Bidder will provide additional breakdown when OWNER is considering Bidder's bid or authorizing future pay requests.

2.2 BASE BID

- A. Bid Schedule No. 1 below describes work basic to the Contract.

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BID SCHEDULE**3300 South 1325 West, 3300 S Storm Retention Project**

Item #	Description	Unit	Bid Quantity	Unit Price	Contract Amount
1	Mobilization	LS	1		
2	Traffic Control	LS	1		
3	Survey	LS	1		
4	SWPPP (Storm Water Pollution Protection Plan)	LS	1		
5	Remove Curb and Gutter	LF	10		
6	Remove Sidewalk/ Concrete Flatwork	SF	97		
7	Remove Asphalt Pavement	SY	635		
8	Remove and Reinstall Sign and Post	EA	2		
9	Furnish and Install Asphalt - APWA HMA DM 1/2 PG 58-28 (5" Thick)	TON	268		
10	Furnish and Install APWA Spec Road Base 1" minus	TON	518		
11	Install Type A Curb and Gutter	LF	583		
12	Install Type F Curb and Gutter	LF	48		
13	Install Driveway Approach	SF	976		
14	Furnish and Install 18" RCP Class III	LF	252		
15	Furnish and Install 15" RCP Class V	LF	105		
16	Furnish and Install 18" SDR 35 PVC	LF	5		
17	Furnish and Install 2'x3' Catch Basin w/ curb inlet	EA	4		
18	Furnish and Install Double Inlet Catch Basin w/ curb inlet	EA	1		
19	Furnish and Install 5ft Storm Drain Manhole	EA	2		
20	Furnish and Install 6ft Storm Drain Manhole with 72x46 SAFL Baffle and Skunk 10-18 Snout	EA	1		
21	Furnish and Install ACO StormBrixx chamber system	LS	1		

Total = \$ _____

Schedule Total in Words _____

Signature _____

PART 3 MEASUREMENTS AND PAYMENT

3.1 GENERAL

- A. See measurement and payment procedures in APWA Section 01 29 00.
- B. ENGINEER will take all measurements and compute all quantities.
- C. CONTRACTOR will verify measurement and quantities.
- D. CONTRACTOR will provide all equipment, workers, and survey crews to assist ENGINEER in making measurements.
- E. Units of measurement are listed above in the bid schedule(s).

3.2 MOBILIZATION, Bid Item No. 1

- A. Measurement and Payment for this item shall be by lump sum (LS)
- B. Payment shall be made at the lump sum price and shall include all costs for mobilization and demobilization; including but not limited to temporary facilities, modifying and maintaining project identification signs, movement of equipment, coordination with all the agencies/entities having jurisdiction, utility companies and affected property owners, quality control throughout the entire duration of the project, and all necessary permits from Ogden City and other applicable entities.
- C. Payment will be made on a percentage basis per the table below

PAY FACTORS FOR MOBILIZATION, TRAFFIC CONTROL, AND TEMPORARY FACILITIES	
Percent of Original Contract Amount Earned Not Including Materials Purchased	Percent of Amount Bid for Mobilization/TC to be Paid
5	40
15	20
40	30
50	10

3.3 TRAFFIC CONTROL, Bid Item No. 2

- A. Measured by lump sum (LS).
- B. Payment includes all costs incidental to traffic control as specified in specification 01 55 26M. Payment will be made on a percentage basis as listed in the same table used for mobilization above. Traffic Control plan is to be design by a licensed engineer and must be submitted to Ogden City for approval. Contractor shall also be responsible for any changes or other maintenance throughout the duration of this project.
- C. Traffic control plan within 10 days of receiving the Notice of Intent to Award. A traffic control plan must be approved and stamped by an engineer before a right of way permit is issued.

3.4 SURVEY, Bid Item No. 3

- A. Measured by lump sum (LS).
- B. Payment shall be as a portion of the lump sum price bid and shall include all costs to provide construction surveying and staking for the project including all labor by the Contractor's Surveyor, equipment, materials and supplies necessary to provide survey preparation, control, staking offsets and markers necessary for construction of the water line system, curb & gutter elevations, sidewalk elevations, driveways, ped ramps, roadway, and appurtenances associated with the project.

3.5 SWPPP (Storm Water Pollution Protection Plan), Bid Item No. 4

- A. Measured by lump sum (LS).
- B. Payment covers the CONTRACTOR in providing and maintaining a storm water pollution prevention plan as outlined by the State of Utah DWQ. Permit No. UTR090000 found at: <https://documents.deq.utah.gov/water-quality/stormwater/updes/DWQ-2020-005275.pdf> which outlines the required steps for preparing and maintaining the SWPPP, provides guidelines, examples, templates, BMP specifications, etc. The CONTRACTOR will be listed as an operator along with Ogden City. Payment also covers all erosion control that is not listed as separate bid items, which includes; silt fence, construction fencing, inlet protection, inlet clean-out (if necessary).
- C. Payment shall cover dust control/watering of the site, a SWPPP board posted onsite, daily maintenance of the construction zone, **daily sweeping**, maintaining BMP devices, and maintaining general cleanliness of the site and staging areas during the construction process to the satisfaction of the City. Trenches shall be maintained at all times to avoid ruts larger than a 2 inch depth.
- D. Payment shall cover temporary water meter rental fees billed to the Contractor from the City. Contractor will NOT be billed for water usage for the project but must utilize a meter to obtain City water for the project.

3.6 REMOVE CURB AND GUTTER, Bid Item No. 5

- A. Measurement: Measurement shall be on a per linear foot basis (LF), measured to the nearest foot.
- B. Payment Covers: Costs for labor, tools, materials, and equipment involved in removing and disposing of existing concrete curb and gutter, including removal of underlying soil materials in preparation for installation of new base course.

3.7 REMOVE SIDEWALK / CONCRETE FLATWORK, Bid Item No. 6

- A. Measurement: Measurement shall be on a per square foot basis (SF), measured to the nearest square foot.
- B. Payment Covers: Costs for labor, tools, materials, and equipment required to remove and dispose of the existing sidewalk, including removal of underlying soil materials in preparation for installation of new base course.

3.8 REMOVE ASPHALT PAVEMENT, Bid Item No. 7

- A. Measurement: Measurement shall be on a per square yard basis (SY), measured to the nearest square yard.
- B. Payment covers saw cutting existing pavements and necessary work to remove, haul, and dispose of asphalt pavement, including cost of furnishing all necessary equipment, labor, hauling, and disposal. This item also includes removal of existing base course under removed asphalt pavement to the thickness needed to match Ogden City standard for new asphalt pavement with base course.
- C. The typical existing asphalt thickness is approximately 6".

3.9 REMOVE AND REINSTALL SIGN AND POST, Bid Item No. 8

- A. Measurement: Measured and paid for on a per each basis (EA).
- B. Payment covers: Costs for labor, tools, materials, and equipment required to remove, preserve, and reinstall street signs in accordance with Ogden City Standard Drawing RD-9.

3.10 FURNISH AND INSTALL ASPHALT – APWA HMA DM ½ PG 58-28 (5" THICK), Bid Item No. 9

- A. Measurement: Measured and paid for on a per ton basis (TONS) based on supplier truck weight tickets but limited to the pay limits defined in the Drawings, and based on the indicated depth of asphalt placed in accordance with Ogden City Standards. Thickness of asphalt placed shall match the existing asphalt thickness plus 1", but no greater than 8" thick and no less than 4" thick.
- B. Payment Covers: All labor, materials, tools, and equipment required to complete asphalt restoration, including but not limited to: Saw cutting as required; tack coat; and placing and compacting the asphalt pavement material per specifications and drawings to final surface grade.
- C. Payment for untreated base course material used for asphalt restoration is covered under the untreated base course bid item.

3.11 FURNISH AND INSTALL APWA SPEC ROAD BASE 1" MINUS, Bid Item No. 10

- A. Measurement: Measured on a per ton basis (TONS) of untreated base course placed and compacted based on supplier truck weight tickets.
- B. Payment covers the cost of furnishing all necessary materials, aggregate base course, labor, hauling, placement, and compaction to produce an acceptably deep aggregate base course layer per Ogden

City Standard Drawings RD-3. Payment covers the cost of installing the full thickness of aggregate base course layer, preparation for pavement or concrete installation, and testing of untreated base course. (Refer to Section 33 05 25, Pavement Restoration)

- C. Compacted base course thickness shall match the thicknesses specified in the current Ogden City Standards and Drawings for the respective type of installation.
- D. No payment will be made for aggregate base course purchased and installed as a temporary construction measure.
- E. No payment for this item will be made for aggregate base used as trench backfill (below the bottom of UTBC level).
- F. Aggregate base course shall be untreated. No recycled roadbase (or any recycled material) will be accepted for roadbase on the project.

3.12 INSTALL TYPE A CURB AND GUTTER, Bid Item No. 11

- A. Measurement: Measured and paid for on a per linear foot basis (LF), measured as installed in the field to the nearest foot.
- B. Payment Covers: Labor, materials, tools, and equipment required to install curb and gutter specified by Ogden City Standard Drawing RD-4: additional excavation and preparation for grading subgrade/base material and formwork; expansion joints; forming, placing, finishing, and testing of the concrete; landscape restoration; and irrigation systems repair or replacement when damaged by the contractor's operations.
- C. Payment for untreated base course material costs is covered under the separate base course bid item.
- D. Payment for required asphalt patching to tie-in to existing pavement is covered under the surface asphalt restoration bid item.

3.13 INSTALL TYPE F CURB AND GUTTER, Bid Item No. 12

- A. Measurement: Measured and paid for on a per linear foot basis (LF), measured as installed in the field to the nearest foot.
- B. Payment Covers: Labor, materials, tools, and equipment required to install curb and gutter specified by APWA Standard Plan 205.2. Additional excavation and preparation for grading subgrade/base material and formwork; expansion joints; forming, placing, finishing, and testing of the concrete; landscape restoration; and irrigation systems repair or replacement when damaged by the contractor's operations.
- C. Payment for untreated base course material costs is covered under the separate base course bid item.
- D. Payment for required asphalt patching to tie-in to existing pavement is covered under the surface asphalt restoration bid item.

3.14 INSTALL DRIVEWAY APPROACH, Bid Item No. 13

- A. Measurement: Measured and paid for on a per square foot basis (SF), measured as installed in the field to the nearest square foot.
- B. Payment Covers: Labor, materials, tools, and equipment required to install the driveway approach to the thicknesses specified by Ogden City Standard Drawing RD-7. Includes excavation and preparation for grading subgrade/base material and formwork; expansion joints; forming, placing, finishing, and testing of the concrete; landscape restoration; and irrigation systems repair or replacement when damaged by the contractor's operations.

- C. Payment for concrete shall be limited to the required thickness based on the location and anticipated loads on the driveway approach per Ogden City Standard Drawing RD-7. Payment for approach installed at a thickness greater than required shall be paid at the unit price specified for the required thickness.
- D. Payment for untreated base course material costs is covered under the separate base course bid item.

3.15 FURNISH AND INSTALL STORM DRAIN PIPE, Bid Item Nos. 14-16

- A. Measured and paid for on a linear foot basis (LF), measured in the field along centerline of pipe, to the nearest foot, for the type, size and class indicated in the Bid Schedule between structures. Unless indicated otherwise, measurement to be along the pipe from the inside face to inside face of manholes, catch basins, or other structures, or to the end of the pipe where no structure exists, with no deduction for fittings.
- B. Payment includes but is not limited to: Furnishing and installing pipe of the material, type, size and class indicated, including gaskets, adapters, plugs; trench excavation; excavation for bells; utility potholing; capping or plugging of the existing storm drain pipe(s) to be abandoned; supplying, installing, compacting and testing imported trench zone and pipe zone materials in accordance with the drawings and Ogden City Standards; trench boxes or shoring as needed; dewatering; management of storm water during construction; trench dewatering; connection of the existing storm drain to the new storm drain; reconnection of existing storm drain laterals to the new storm drain manholes; connecting new storm drain to existing structures; pipe cutting; field collars; field closures; cleaning new pipe and providing CCTV inspection of new pipe prior to acceptance by owner, commissioning pipelines. There will be no payment for over excavation unless approved in written form by the engineer prior to the excavation. Payment shall also include measures to protect the new pipeline from being damaged or filled with sediment from a runoff event during construction.
- C. Payment for untreated road base material and asphalt surface restoration are covered under their respective bid items.

3.16 FURNISH AND INSTALL STORM DRAIN STRUCTURE (Manholes,Catch Basins) Bid Item Nos. 17-20

- A. Measurement: Measured and paid for on a per each basis (EA). Measurement to be by actual field count of each type, and size of installed precast concrete structure identified on the bid schedule and in the plan set.
- B. Payment Covers: Furnishing and installing each type of precast concrete storm drain manhole or precast concrete storm drain catch basin, complete, including, but not limited to: additional excavation; reinforced concrete; supplying and installing all precast structures, risers, grates, and covers; ladder rungs; grouted channel troughs; SAFL Baffle and Skunk Snout for the specified structures, connection to existing and/or new pipes, backfill material, compaction, testing, materials and labor for backfill, and all other items needed to complete the work including cleaning and placing structures in service.
- C. Payment also covers all costs for labor, equipment, and material required to raise and concrete collar the structure to the finished asphalt grade.
- D. The connection to any pipe culvert or other drainage feature will be incidental to construction and no separate payment will be made for this work.
- E. The City will make no separate payment for testing upon failure of visual inspection.

F. Payment for base course and asphalt restoration are covered under their respective bid items.

3.17 FURNISH AND INSTALL ACO STORMBRIXX CHAMBER SYSTEM, Bid Item No. 21

- A. Measurement will be made by lump sum (LS).
- B. Payment: All costs for labor, tools, equipment, and material to furnish and install the full ACO StormBrixx system as specified in the design plans and details. This includes, but is not limited to: Chambers, panels, access plates, cover and frames, and geotextile fabric. Includes excavation, hauling, and disposing material, trench boxes, furnish and install $\frac{3}{4}$ " crushed angular rock backfill, and landscape restoration. Payment also includes coordination with the gas utility company for their gas loop, the labor, equipment and material to expose the gas line in conflict and to backfill with 3" minus granular borrow import once the gas company has completed their loop. Includes compaction and testing.
- C. The stormbrixx system for this site calls for 156 interlocking chambers (13 chambers long x 4 chambers wide x 3 chambers deep) with the dimensions of 51'2" long x 7' 10" wide x 9'0" deep per detail C-502
- D. The $\frac{3}{4}$ " angular crushed rock shall be used as the backfill below, around, and above the StormBrixx system rather than native backfill.
- E. ACO StormBrixx will provide free onsite construction training/support.

END OF DOCUMENT