

SECTION 00 90 10

ADDENDUM No. 1



PART 1 GENERAL

1.1 DOCUMENT INCLUDES

- A. Changes to Document 00 10 00 Invitation to Bid
- B. Changes to Document 00 41 10 Bid Schedule
- C. Clarification

1.2 CONSTRUCTION CONTRACT

- A. The Construction Contract is known as SU010 Detention to 1100 N Storm Project
- B. Date of this Addendum is February 17th, 2026

PART 2 CHANGES

2.1 CHANGES TO PRIOR ADDENDA

- A. None

2.2 CHANGES TO BIDDING REQUIREMENTS

- A. Document 00 10 00 Invitation to Bid
 - 1. 1.2 Description of Work
 - i. Part B – increased the estimated cost of the work to \$1,280,000
- B. Document 00 41 10 Bid Schedule - Bid Schedule No.1
 - 1. Bid Item 15: 15" RCP Class 5
 - i. Reduced quantity from 91 LF to 36 LF
 - 2. Bid Item 25: 1" AWWA C901 Water Lateral
 - i. Changed Unit from Linear Foot (LF) to Horizontal Foot (HF)
 - ii. Increased quantity from 210 LF to 270 HF
 - 3. Bid Item 31: Asphalt Patch (HMA SP1/2 PG 58-28 Class II)
 - i. Increased quantity from 650 TON to 740 TN
 - 4. Bid Item 32: APWA Spec Road Base – Grade 1"
 - i. Reduced quantity from 1800 TN to 500 TN
 - 5. Bid Item 33: APWA 3" Minus Granular Borrow
 - i. Reduced quantity from 1500 TN to 1000 TN
 - 6. Bid Item 37: Sod Landscape Restoration
 - i. Reduced quantity from 1600 SF to 1400 SF
 - 7. Added Bid Item 41: 18" RCP Class 5

- i. Item quantity of 56 LF
- 8. Added Bid Item 42: 1" Water Meter Assembly
 - i. Item quantity of 9 EA
- 9. Added Bid Item 43: Sewer Rock ASTM Size No. 4
 - i. Item quantity of 1600 TN
- 10. Added Bid Item 44: 8oz non woven geotextile fabric
 - i. Item quantity of 35,000 SF
- 11. Added Bid Item 45: 1" Cobble Rock Landscape Restoration
 - i. Item quantity of 250 SF

C. Document 00 41 10 Bid Schedule - Part 3 Measure and Payment

- 1. 3.13 12" RCP Class 5
 - 15" RCP Class 5
 - 30" RCP Class 5
 - 36" RCP Class 3
 - i. Added 18" RCP Class 5, Bid Item No. 41 with the other listed RCP items in the 3.13 description
 - ii. Part B – Removed the verbiage, "in accordance with the current Ogden City Standard Drawing SD-6"
 - iii. Part B – changed the last sentence to read, "does **not** include the cost of furnishing the trench backfill and pipe zone material and *geotextile fabric material* itself"
 - iv. Part E – changed sentence to read, "Payment for 3" minus backfill material, untreated road base material, sewer rock, geotextile fabric and asphalt surface restoration are covered under their respective bid items."
- 2. 3.14 36" Flared End Outfall
 - 60" Precast Manhole
 - 72" Precast Manhole
 - 2'x3' Catch Basin
 - 2'x6' Double Inlet Catch Basin
 - i. Part B – changed the last sentence to read, "does **not** include the cost of furnishing the trench backfill and pipe zone material and *geotextile fabric material* itself"
 - ii. Part E – changed sentence to read, "Payment for 3" minus backfill material, untreated road base material, sewer rock, geotextile fabric and asphalt surface restoration are covered under their respective bid items."
- 3. 3.18 1" AWWA C901 Service Lateral
 - i. Part A – Removed "Linear Foot (LF)" and replaced with the following verbiage, "horizontal foot (HF) of service line installed measured horizontally on the finished surface from water main to tie in point

behind the water meter.”

4. 3.24 APWA Spec Road Base – Grade 1”
 - i. Part B – Removed verbiage, “storm structures, and as storm pipe trench bedding and haunching material within the pipe zone (springline and below) per Ogden City Standards”
 - ii. Part C – Removed verbiage, “per Ogden City Standard Drawing SD-6” and Revised the paragraph to now read, “No payment for this item will be made for UTBC used in the trench backfill zone or pipe zone”
5. 3.25 APWA 3” Minus Granular Borrow
 - i. Part C – Added the word “furnishing” and changed “SD-6” to “SD-6A”
6. 3.31 Camera Sewer Laterals Pre/Post Construction
 - i. Part A – Removed the verbiage, “for the project sewer laterals for the length of the project (both sides of the road) where 30” Storm Pipe will be installed.”
 - ii. Part A – Added the verbiage, “to TV camera inspect all sewer laterals from the Sewer main to the front of sidewalk location on both sides of the road within the project area”
7. Added 3.33 1” Water Meter Assembly, Bid Item No. 42 measure and payment
8. Added 3.34 Sewer Rock ASTM Size No.4, Bid Item No. 43 measure and payment
9. Added 3.35 8oz Non Woven Geotextile Fabric, Bid Item No. 44 measure and payment
10. Added 3.36 1” Cobble Rock Landscape Restoration, Bid Item No. 45 measure and payment

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. Sheet S-101

1. Revised B1 and D1 to show the slide gate installed on the front of the weir instead of the back of the weir

- B. Sheet SD-2
 - 1. Show an existing water service and meter for 487 Canyon View Dr property
 - 2. Show 2 fiber boxes in front and behind sidewalk at 497 Ridge Place Dr.
- C. Sheet SD-4
 - 1. Replaced key note 28 and Sod Landscape Restoration hatch with key note 32 and 1" Cobble Landscape Restoration hatch.
 - 2. Show an existing fiber box at the SW corner of Jefferson and Ridge Place Dr
 - 3. Show fiber optic line in the west park strip along Jefferson Ave from Ridge Place Drive to 1100 N
- D. Sheet SD-5
 - 1. 2x6 CB4 1100
 - i. Lowered the 8" PVC INV IN from 4344.19 to 4343.59
 - 2. Show fiber optic lines crossing north/south along west side of the intersection of Jefferson Ave and 1100 N
 - 3. Show a communications manhole near NE corner and a fiber optic line running east/west along the north lip of gutter
 - 4. Moved existing fiber optic lines at the SE corner further to the west
- E. Sheet DT-1
 - 1. Removed standard drawing SD-6 and replaced with a revised standard SD-6A
 - 2. Revised SD-4 by replacing UTBC with sewer rock wrapped in geotextile fabric

2.7 CLARIFICATIONS

- A. If water service laterals are in conflict with the new storm main, the water service line will need to be replaced from the water main to the meter. Water service replacements will be measured per horizontal foot to easily to verify quantities onsite. If a water service lateral is replaced, then the water meter will also need to be replaced, which is under its own respective bid item.
- B. Each Sewer lateral on both sides of the road within the project zone will be TV camera inspected twice. Once before construction and once after construction. This will be done from the Sewer Main, then lateral launch up the lateral to the location under the front of sidewalk. You will not access the lateral from the resident cleanout.
- C. Ground water depth in this area is about 6 feet deep. This level may vary depending on rain storms and spring runoff. Because of potential issues reaching UTBC compaction in the pipe trench, the City Engineer has approved for this project the use of sewer rock with geotextile fabric in the pipe zone instead of UTBC.
- D. A prequalification packet is not required to be submitted with your bid packet. We will verify the contractor considered for the award meets the prequalifications.

- E. Conflicting 3rd party utilities (gas, fiber, and power) will be relocated by the utility provider.
- F. Utility Investigation is a per Hour bid item of the machine operator specifically working to locate, expose, or bury potential utility conflicts under the direction of the Engineer. Do not double count the operator plus machine hours (e.g. A operator in a track hoe spent 2 hours exposing a gas line conflict for a gas loop. Charge for 2 hours, not 4 hours)

DOCUMENT 00 10 00

INVITATION TO BID

PART 1 GENERAL

1.1 CONSTRUCTION CONTRACT

- A. Bidders are invited to bid on Construction Contract named as:

SU010 Detention to 1100 N Storm Project

- B. For information about the award of this Construction Contract, contact:
Phil Suiter at (801) 629-8971.

1.2 DESCRIPTION OF WORK

- A. The location of the work is: Detention pond at 450 E 1150 N, Ridge Place Drive, Jefferson Ave, 1100 N.
- B. The estimated cost of the work is \$ **1,280,000**.
- C. The project shall be governed by these contract documents, special conditions, specifics related to the work, and all provisions of the Manual of Standard Specifications and Manual of Standard Plans 2025 Edition published by the Utah Chapter of the American Public Works Association (APWA) and Ogden City's Engineering Standards for Public Improvements 2020 Edition which are applicable to the work are made a part of the Contract Documents by reference.
- D. The work to be performed consists of furnishing and installing the equipment, facilities, services and appurtenances thereto as included in the Contract Documents. The Work generally includes, but is not limited to, the following:
Install detention pond weir structures, excavate, regrade, and seed bottom of detention pond, install low flow channel with erosion matting, install 36" Storm Outfall, 1,515 linear feet of RCP, 12 manholes, 10 catch basins, two 8" water main loops, and replacing some water service laterals

1.3 BIDDERS' PRE-QUALIFICATION

- A. Contractors shall have E100 license
- B. Have a minimum 3 years of experience with similar project scope within the last 10 years
- C. Be in good standing with Ogden City

1.4 BASIS OF BIDS

- A. Bids shall be on a unit price basis. Unsealed or segregated Bids will not be accepted.

1.5 CONTRACT TIME

- A. The Work will be Substantially Completed 150 calendar days after the date of the Notice to Proceed.

1.6 EXAMINATION AND PROCUREMENT OF DOCUMENTS

- A. Complete sets of Bid Documents will be available by downloading from the Ogden City website at "**no cost**". A complete set of Bid Documents must be used in preparing Bids. Bidders are responsible for securing any and all addenda issued. Owner and Engineer assume

no responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bid Documents.

1.7 PRE-BID CONFERENCE

- A. **MANDATORY PRE-BID CONFERENCE will be held at 10:30 a.m on 2/11/2026** at 2549 Washington Boulevard, Ogden, Utah in the **7th floor conference room** of the City Engineer. All contractors intending to submit a bid are required to send an employee to attend the Mandatory Pre-bid conference to obtain relevant information concerning the project. Contractors may not delegate attendance to an agent representing any other contractor. Bidders are advised that information affecting drawings, specifications, conditions, scope of the Work, etc. may be discussed. Any questions concerning the specification for said project will be discussed at this time, and Bidders will be made aware of special conditions involved in the construction of this project.

1.8 BID SECURITY

- A. Bid security in the amount of five (5) percent of the Bid must accompany each Bid in accordance with the Instructions to Bidders. Bid Security will be returned to each unsuccessful Bidder after tabulation and in accordance with Document 00 20 00, Section 2.3.D.

1.9 BID LOCATION AND OPENING

- A. Sealed bids for furnishing all materials, labor, tools and equipment necessary to complete said work must be submitted on forms prepared by the City Engineer and are to be submitted to the office of the City Purchasing Agent, 2549 Washington Boulevard, 2nd floor information desk, Ogden, Utah, until **2:00 p.m. , 2/19/2026**, at which time they will be opened and read aloud. **LATE BIDS WILL NOT BE ACCEPTED.**
- B. On the outside of the envelope, the bidder shall indicate the Construction Contract title, the name and address of the Bidder, and the date and time of Bid opening and the Bidder's return mailing address.

1.10 RIGHT TO REJECT BIDS

- A. The OWNER reserves the right to accept or reject any or all bids or to waive any informality or technicality in any bid that best serves its convenience and/or is found to be in the best interest of the City.

1.11 VALIDITY PERIOD FOR BIDS

- A. Bids shall remain valid for 45 days after the day of Bid opening. The three lowest bidders, per Document 00 20 00, Section 2.3 D, who withdraw their bid after Bid opening, but before expiration of said period, shall forfeit their bid security if Notice of Intent to Award to Bidder is made by OWNER.

1.12 GOVERNING LAWS AND REGULATIONS

- A. This project is not federally funded and does not require the payment of specific wage rates. Payroll submittal will not be required.
- B. As a condition of the contract, contractors are to register and participate in the status verification system, as defined in section 63-99a-103(1)(c) of the Utah Code or its successor provision, to verify the work eligibility status of the contractor's new employees that are employed in the State of Utah.

- C. Contractor is responsible for verifying the employment status of new employees who work under the contractor's supervision or direction. In addition, contractor must maintain and have available for review upon demand by city an affidavit from each contractor or subcontractor who works under or for the contractor certifying that such contractor or subcontractor has verified through the status verification system, as defined in section 63-99a-103(1)(c) of the Utah Code or its successor provision, the employment status of each new employee of the respective contractor or subcontractor that is employed in the State of Utah.
- D. By entering into this contract, contractor verifies that 1) it has registered in the status verification system or that it will register in the status verification system within thirty (30) days of being notified that it has been awarded the contract, and 2) that it participates in the status verification system to verify the work eligibility status of new employees as required by law. If at any time during the period of this contract, contractor fails to remain registered in or to participate in the status verification system or to maintain on file any required affidavit, city may terminate the contract for cause or, in the alternative, city may suspend work under the contract until contractor shows compliance with the requirements of this section. City shall not be responsible for any costs, damages, expenses, losses or other claims resulting from contract termination or contract suspension resulting from contractor's failure to comply with the status verification system requirements or to have on file any required affidavit, nor shall contract time be extended by virtue of such failure to comply with the requirements of this section.
- E. Bidders on this Work will be subject to the applicable provisions of all federal rules, laws and regulations or orders.
- F. Furnishing of W-9. Payment under this Agreement is contingent upon Contractor furnishing City with a signed and completed W-9 IRS tax form. Such form shall be attached hereto and incorporated herein. Contractor shall cooperate with City in furnishing any additional information City may need to comply with rules and regulations of the Internal Revenue Service.
- G. In compliance with Americans with Disabilities Act, (ADA) the following information is provided: FAX Number (801) 629-8735, TDD Number (801) 629-8701, Contact person: Lisa Stout Management Services Director, Ogden City.

Ogden City Purchasing Agent

Published: January 31, 2026, February 7, 2026

END OF DOCUMENT

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:
SU010 Detention to 1100 N Storm Project

1.3 REFERENCES

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

2.1 BASE BID

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

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BID SCHEDULE No. 1
SU010 Detention to 1100 N Storm Project

ITEM NO.	DESCRIPTION	EST QTY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization / Demobilization	1	LS		
2	Traffic Control	1	LS		
3	Survey	1	LS		
4	Storm Water Pollution Prevention Plan (SWPPP)	1	LS		
5	Utility Investigation	30	HRS		
6	Remove Asphalt	1600	SY		
7	Remove Storm Pipe 30" CIPP	10	LF		
8	Remove 6" perforated pipe	50	LF		
9	Detention Pond Excavation	2000	CY		
10	Detention Pond Grading & Seed	6000	SY		
11	Shoremax Outfall Erosion Control	320	SF		
12	Tmax Low Flow Channel Erosion Control	5750	SF		
13	36" Flared End Outfall	1	EA		
14	12" RCP Class 5	53	LF		
15	15" RCP Class 5	36	LF		
16	30" RCP Class 5	1242	LF		
17	36" RCP Class 3	128	LF		
18	60" Precast Manhole	11	EA		
19	72" Precast Manhole	1	EA		
20	2'x3' Catch Basin	4	EA		
21	2'x6' double inlet catch basin	2	EA		
22	Cast in Place Weir Structure	4	EA		
23	15" Slide Gate	1	EA		
24	8" C900 PVC Waterline Loop	2	EA		
25	1" AWWA C901 Water Lateral	270	HF		
26	R/R Type A Curb and Gutter	200	LF		
27	R/R Concrete Waterway (5' Wide)	12	LF		
28	R/R Concrete Sidewalk (4" Thick)	280	SF		
29	R/R Concrete Sidewalk/Flatwork (6" Thick)	70	SF		
30	ADA Detectible Warning Surface (2x4 Gray)	1	EA		
31	Asphalt Patch (HMA SP1/2 PG 58-28 Class II)	740	TN		
32	APWA Spec Road Base - Grade 1"	500	TN		
33	APWA 3" Minus Granular Borrow	1000	TN		
34	Remove and Replace Vinyl Fence	60	LF		
35	Install Temporary Fence	50	LF		
36	Tree (3" Caliper)	1	EA		

37	Sod Landscape Restoration	1400	SF		
38	8" SDR-35 PVC Pipe	50	LF		
39	Camera Sewer Laterals Pre/Post Construction	1	LS		
40	Concrete Collar Existing Survey Monument	4	EA		
41	18" RCP Class 5	56	LF		
42	1" Water Meter Assembly	9	EA		
43	Sewer Rock ASTM Size No.4	1600	TN		
44	8oz Non Woven Geotextile Fabric	35000	SF		
45	1" Cobble Rock Landscape Restoration	250	SF		
TOTAL					

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 26. 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. Submit the 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, northing and easting, staking offsets and markers necessary for construction of the utilities, pipe inverts, plan set centerline alignment, curb & gutter elevations, sidewalk elevations, driveways, ped ramps, roadway, and appurtenances associated with the project.
- C. Payment also includes cost to provide elevation survey staking and field verification for the top of weir height of the 4 cast in place structures per project design, and the detention pond south west corner top of bank compacted elevation matches elevation called out per the project design plans.

3.5 STORM WATER POLLUTION PREVENTION PLAN (SWPPP), Bid Item No. 4

- A. Measurement will be made by lump sum (LS).
- B. Payment covers the CONTRACTOR in obtaining coverage and following all requirements of the State of Utah DWQ General Permit for Storm Water Discharges from Construction Activities or the "Construction General Permit" (CGP). Permit No. UTRC00000foundat:<https://documents.deq.utah.gov/waterquality/stormwater/construction/DWQ-2020-013890.pdf>. The CONTRACTOR will be listed as an Operator and Ogden City will be listed as the Owner. Payment covers the CONTRACTOR to meet all requirements of the CGP. Requirements of this permit include, but are not limited to:
 - a. Preparation and maintenance of a storm water pollution prevention plan (SWPPP). The SWPPP must be submitted to and approved by City prior to beginning construction.
 - b. Submitting a Notice of Intent (NOI) prior to construction.
 - c. Maintaining active permit coverage throughout all phases of construction. It is the responsibility of the CONTRACTOR to ensure that permit coverage does not expire. Once the site meets the conditions for terminating CGP coverage, the CONTRACTOR must pass a final inspection with the City SWPPP inspector prior to submitting the Notice Of Termination (NOT) to DWQ.
 - d. Installing and maintaining all storm water Best Management Practices (BMPs) in accordance with the approved SWPPP that are not listed as separate bid items, which may include; silt fence, construction fencing, inlet protection, inlet clean-out (if necessary).
 - e. Performing necessary Contractor SWPPP inspections in accordance with the SWPPP.
 - f. Maintaining all required documentation (inspection reports, corrective action reports,

SWPPPs, etc.). Ogden City may request documents associated with the project for up to three years from the date the site is finalized.

- a. The CGP outlines the required steps for preparing and maintaining the SWPPP, provides guidelines, examples, templates, BMP specifications, etc.
- b. Payment shall cover dust control/watering of the site, daily maintenance of the construction zone, daily sweeping at a minimum, 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.
- c. 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 UTILITY INVESTIGATION, Bid Item No. 5

- A. Measurement will be made by counting the actual number of hours (HRS) of work completed by the machine and operator to investigate miscellaneous underground features as required by the ENGINEER. No allowance of time will be made for transporting the backhoe to and from the job site when the backhoe is located on the site of the Contract.
- B. Payment covers furnishing and providing labor and equipment for investigation of existing miscellaneous pipelines, wires and cables, and sub-surface features as **required by the ENGINEER**. ENGINEER must approve time before Contractor is to proceed with any paid utility investigation.

3.7 REMOVE ASPHALT, Bid Item No. 6

- A. 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 labor and equipment costs to remove, haul, and dispose of asphalt pavement.
- C. The typical existing asphalt thickness is approximately 6”.

3.8 REMOVE STORM PIPE 30” CIPP, Bid Item No. 7

- A. Measurement shall be made per linear foot (LF) basis, measured in the field, to the nearest foot. Existing pipe removed is 30” diameter Cured in Place Pipe.
- B. Payment shall include all costs for labor, tools, materials, and equipment involved in excavating subgrade material and pipe, removing, hauling and disposing of the existing storm drainpipe as shown on the drawings. Includes installing a concrete plug in one end of the pipe to prevent soil migration into the pipe.
- C. The import granular borrow backfill material and untreated base course is not included and shall be billed under their separate bid items. This item does include compaction and testing

3.9 REMOVE 6” PERFORATED PIPE, Bid Item No. 8

- A. Measurement shall be made per linear foot (LF) basis, measured in the field, to the nearest foot. Existing pipe removed is 6” diameter perforated pipe.
- B. Payment shall include all costs for labor, tools, materials, and equipment involved in excavating subgrade material and pipe, removing, hauling and disposing of the existing storm drainpipe as shown on the drawings. Includes installing a concrete plug in one end of the pipe to prevent soil

migration into the pipe.

- C. The import granular borrow backfill material and untreated base course is not included and shall be billed under their separate bid items. This item does include compaction and testing

3.10 DETENTION POND EXCAVATION, Bid Item No. 9

- A. Measured by cubic yard (CY).
- B. Payment includes all the costs, equipment, and labor to remove, haul off, and dispose native soil from the bottom of the detention pond.
- C. Payment also includes adding and compacting approximately 30 cubic yards of the excavated native fill material to the top of bank at the south west corner of the detention pond up to elevation 4322.00 feet (see plan sheet SD-1)
- D. Includes costs to excavate soil for the low flow channel

3.11 DETENTION POND GRADING & SEED, Bid Item No. 10

- A. Measured by square yard (SY).
- B. Payment includes all the costs, equipment, and labor to perform final grading of the bottom of detention pond to slope toward low flow channel. Includes grading of the low flow channel.
- C. Payment also includes the cost to furnish, spread, and rake in the native seed mix in all the disturbed area in the detention pond area (see plan sheet DT-2 for seed mix).

3.12 SHOREMAX OUTFALL EROSION CONTROL, Bid Item No. 11 TMAX LOW FLOW CHANNEL EROSION CONTROL, Bid Item No. 12

- A. Measured by square foot (SF).
- B. Payment includes all the costs, equipment, and labor to furnish and install erosion control matting (Western Green Shoremax Transition Mat, Western Green TMAX Turf Reinforcement Mat, or approved equal) in the location listed in Planset Sheet SD1 and installed per manufactures direction.
- C. Payment includes costs to furnish and install all the stakes per manufactures direction

3.13 12" RCP CLASS 5, Bid Item No. 14

15" RCP CLASS 5, Bid Item No. 15

30" RCP CLASS 5, Bid Item No. 16

36" RCP CLASS 3, Bid Item No. 17

18" RCP CLASS 5, Bid Item No. 41

- 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; installing, compacting and testing imported material in the pipe zone and trench backfill zone, does **not** include the cost of furnishing the trench backfill and pipe zone material and **geotextile fabric material** itself.

- C. Payment includes trench boxes or shoring as needed; trench dewatering; management of storm water during construction; connecting storm drain pipe to new or existing storm structures; pipe cutting; concrete pipe field collars; cleaning new pipe and providing CCTV inspection of new pipe prior to acceptance by owner, commissioning pipelines.
- D. 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.
- E. Payment for 3" minus backfill material, untreated road base material, sewer rock, geotextile fabric and asphalt surface restoration are covered under their respective bid items.

3.14 36" FLARED END OUTFALL, Bid Item No. 13

60" PRECAST MANHOLE, Bid Item No. 18

72" PRECAST MANHOLE, Bid Item No. 19

2'x3' CATCH BASIN, Bid Item No. 20

2'x6' DOUBLE INLET CATCH BASIN, Bid Item No. 21

- A. Measured per each basis (EA)
- 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: excavation; reinforced concrete; supplying and installing all precast structures, risers, grates, and covers; ladder rungs; grouting; rebar dowels; connecting existing and new pipes to the structure, material installation, compaction and testing and all other items needed to complete the work including cleaning and placing structures in service. Does **not** include the cost of furnishing the trench backfill material and pipe zone material and geotextile fabric material itself.
- C. Payment also covers all costs required to raise and concrete collar the structure to the finished asphalt grade.
- D. The City will make no separate payment for testing upon failure of visual inspection.
- E. Payment for 3" minus backfill material, untreated road base material, sewer rock, geotextile fabric and asphalt surface restoration are covered under their respective bid items.

3.15 CAST IN PLACE WEIR STRUCTURE, Bid Item No. 22

- A. Measured per each basis (EA)
- B. Payment Covers: Furnishing and installing each type of cast in place concrete weir structure (see sheet S-101), including, but not limited to: rebar reinforcement and forming, rebar dowels, concrete and concrete forming, pouring, and finishing, risers, grates, and covers; grouting; connecting existing and new pipes to the structure, material compaction and testing and all other items needed to complete the work.
- C. The City will make no separate payment for testing upon failure of visual inspection.
- D. Payment for 3" minus backfill material, untreated base course material are covered under their respective bid items.

3.16 15" SLIDE GATE, Bid Item No. 23

- A. Measured per each basis (EA)
- B. Payment includes all costs, labor, tools, equipment, and hardware to furnish and install the 15" Slide Gate (Waterman C-10 or approved equal) to the furthest West cast in place weir per

3.17 8" C900 PVC WATERLINE LOOP, Bid Item No. 24

- A. Measurement will be made by EACH (EA) 8" C900 PVC loop with four (4) 45 degree bends installed on the loop.
- B. Payment covers the cost of the size and type of pipe indicated, with installation per APWA Plan No. 543. Payment covers the cost of incidental work such as concrete thrust blocks, restrained joints, fittings, couplings, joint lubricants, nuts, bolts and washers; removal and disposal of interfering structures, pipe, and obstructions; jackhammer work; trench shoring or trench boxes as applicable, excavation, sand backfill/pipe bedding, underground plastic line markers; removal and disposal of waste materials; connection to the existing water main, restoring continuity tracer wire, restoration of all utilities damaged as a result of operations; trench dewatering; pipe line cleaning; water main repair or replacement if damaged by CONTRACTOR; adjustments to grade of existing valve boxes or traffic lids or manholes; and similar work to complete the installation of the water line loop. (Refer to Section 33 11 00, Water Distribution and Transmission).
- C. Payment includes all costs to coordinate with the Ogden City Water Department for all water shutdowns necessary for installation of the complete connection. Payment includes 48-hour advance written notifications to all residents affected by any water service interruption.
- D. Payment includes all connection pieces to be properly swabbed and disinfected with chlorine.

3.18 1" AWWA C901 SERVICE LATERAL, Bid Item No. 25

- A. Measurement will be made by horizontal foot (HF) of service line installed measured horizontally on the finished surface from water main to tie in point behind the water meter.
- B. Payment covers the cost of excavation, soil preparation, potholing, import pipe bedding (material and placement), and backfilling the new water lateral. Payment also includes CTS Poly piping (AWWA C901), tracer wire, connection of the new water lateral to new water main, existing removal or abandonment and disposal of the existing water pipe(s), disinfection/commissioning the pipeline, and other work incidental to the installation of the water lateral. It is preferred that pulling of the water lateral occur before open trench excavation is used. However, all excavation, bedding material (i.e. sand), placement, backfilling placement (material under separate bid item), compaction (in 8" max lifts), will be paid for under this bid item. (Refer to Section 33 12 33, Water Meter).

3.19 R/R TYPE A CURB & GUTTER, Bid Item No. 26

- A. Measurement will be made by linear foot (LF), measured along the top back of curb (TBC) removed and replaced.
- B. Payment covers the cost of furnishing all necessary materials and equipment, labor, removal, haul off, disposal, prepwork, formwork, compaction, testing, concrete placement, finish work and all other work incidental for removing and replacing concrete curb and gutter.
- C. Payment includes formwork, joints, expansion, and dowelling into the existing curb and gutter
- D. Payment includes sealing the concrete with a curing compound.

3.20 R/R CONCRETE WATERWAY (5' WIDE), Bid Item No. 27

- A. Measurement will be made by linear foot (LF), measured along the center of the waterway.
- B. Payment covers the cost of furnishing all necessary materials and equipment, labor, removal, haul off, disposal, prepwork, formwork, compaction, testing, rebar reinforcement, concrete placement,

- finish work and all other work incidental for removing and replacing concrete waterway.
- C. Payment includes formwork, joints, expansion, and dowelling into the existing waterway
- D. Payment includes sealing the concrete with a curing compound.

3.21 R/R CONCRETE SIDEWALK (4" THICK), Bid Item No. 28

R/R CONCRETE SIDEWALK/FLATWORK (6" THICK), Bid Item No. 29

- A. Measurement will be made by square foot (SF) of concrete sidewalk/flatwork removed and replaced.
- B. Payment covers the cost of furnishing all necessary materials and equipment, labor, removal, haul off, disposal, prepwork, formwork, compaction, testing, concrete placement, finish work and all other work incidental for removing and replacing concrete sidewalk/flatwork.
- C. Payment includes formwork, joints, expansion joints.
- D. Payment includes sealing the concrete with a curing compound.

3.22 ADA DETECTABLE WARNING SURFACE (2x4 GRAY), Bid Item No. 30

- A. Measurement shall be per each 2'x4' ADA detectable warning surface (EA)
- B. Payment shall include all costs for labor, materials, tools, and equipment required to furnish and install detectable warning surface pad(s) that are gray in color per Ogden City Standard.

3.23 ASPHALT PATCH (HMA SP ½ PG 58-28 Class II), Bid Item No. 31

- A. Measured per ton (TONS)
- 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 per Ogden City Engineering Standard Drawing RD-3.
- C. Road Paving will follow APWA specification 32 12 05 (Bituminous Concrete) Superpave Mx Design, SP-1/2, PG 58-28 Class II per Ogden City Engineering Standards.
- D. Thickness of asphalt placed shall match the existing asphalt thickness plus 1", but no greater than 7" thick and no less than 4" thick.
- E. Limits of asphalt T patch restoration shall be determined onsite by the ENGINEER

3.24 APWA SPEC ROAD BASE-GRADE 1", Bid Item No. 32

- A. Measured on a per ton basis (TONS) of untreated base course placed and compacted.
- B. Payment covers the cost of furnishing all necessary materials, aggregate base course, labor, hauling, and placement. Payment covers the cost of installing full thickness of aggregate base course layer below asphalt and concrete; includes compaction and testing of untreated base course. (Refer to Section 33 05 25, Pavement Restoration).
- C. No payment for this item will be made for UTBC used in the trench backfill zone or pipe zone.
- D. No payment will be made for aggregate base course purchased and installed as a temporary construction measure.
- E. Aggregate base course shall be untreated. No recycled roadbase (or any recycled material) will be accepted for roadbase on the project.

3.25 APWA 3" MINUS GRANULAR BORROW, Bid Item No. 33

- A. Measurement will be made by tons (TONS) of 3" Minus structural fill placed and compacted.
- B. Payment covers the cost of furnishing all necessary materials, granular borrow, labor, hauling, placement, compaction and testing.
- C. Payment includes **furnishing** and installing granular borrow within the storm pipe trench backfill zone per Ogden City Standard Drawing **SD-6A**
- D. Payment includes installing granular borrow above the water pipe zone up to the base of the pavement section per Ogden City Standard Drawing W-18
- E. Material shall meet APWA 31 05 13 specification for Granular Borrow, be angular aggregate that meets AASHTO A-1-a Classification (must be certified as A-1-a), and have particle diameter size no larger than 3 inches.

3.26 REMOVE AND REPLACE VINYL FENCE, Bid Item 34

- A. Measured by linear foot (LF)
- B. Payment includes all costs, labor and equipment to remove and replace the vinyl fence
- C. Payment also includes the removal and replacement of concrete foundations, posts and post collars, poles, rails, gates, latches, brackets and hardware.

3.27 INSTALL TEMPORARY FENCE, Bid Item 35

- A. Measured by linear foot (LF)
- B. Payment includes all costs, labor and equipment to install a temporary fence for a resident at 497 Ridge Place Dr to keep her dog contained during the duration of the project.
- C. Payment includes any posts, poles, rails, gates, latches, brackets and hardware.

3.28 TREE (3" CALIPER), Bid Item 36

- A. Measured per EACH (EA)
- B. Payment includes all costs, labor and equipment to install a Tree (size 3" caliper). Includes excavation, prep work, backfill material, topsoil.
- C. Location of tree installation will be determined by the Engineer

3.29 SOD LANDSCAPE RESTORATION, Bid Item 37

- A. Measured by square foot (SF)
- B. Payment includes all costs, labor and equipment incidental to the installation of new sod landscape.
- C. Payment also includes the installation of top soil, slope grading of top soil to a minimum uniform thickness of 4" thick, and sod installation that smoothly transitions to existing sod landscape; repairing any part of the sprinkler system damaged by the CONTRACTOR. Restoring sprinkler heads to their previous locations and spray directions.

3.30 8" SDR-35 PVC PIPE, Bid Item No. 38

- 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, fittings, adapters, plugs; trench excavation; excavation for bells; installing, compacting and testing imported bedding, haunching, and trench material in the pipe zone in accordance with the drawings and current Ogden City Standards; trench boxes or shoring as needed; trench dewatering; management of storm water during construction; connecting storm drain pipe to new or existing storm structures; pipe cutting; concrete pipe field collars; cleaning new pipe and providing CCTV inspection of new pipe prior to acceptance by owner, commissioning pipelines.
- C. 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.
- D. Payment for 3" minus backfill material, untreated road base material and asphalt surface restoration are covered under their respective bid items.

3.31 CAMERA SEWER LATERALS PRE/POST CONSTRUCTION, Bid Item No. 39

- A. Measurement will be made by lump sum (LS) to TV camera inspect all sewer laterals from the Sewer main to the front of sidewalk location on both sides of the road within the project area.
- B. Payment covers all labor, materials, equipment, transportation, and other items associated with the video inspection and locating of the existing and/or new sewer lines and laterals within the project limits prior to construction of the Storm utility and again prior to paving to verify that no settlement or damage has occurred as a result of construction.
- C. Video submittals will be provided to Ogden City prior to construction of the storm utility and again prior to construction of the asphalt pavement.
- D. Video footage along the main is considered incidental to camera footage in the laterals.
- E. Ogden City Sewer crews will assist with accessibility and will have the sewer main cleaned prior to video footage.

3.32 CONCRETE COLLAR EXISTING SURVEY MONUMENT, Bid Item No. 40

- A. Measured per EACH (EA)
- B. Payment includes all costs, labor, equipment, tools, and concrete to form, prep, pour, and finish a concrete collar for a survey monument.
- C. Payment includes removal of the existing concrete collar and protecting in place the existing survey monument.

3.33 1" WATER METER ASSEMBLY, Bid Item No. 42

- A. Measurement will be made by actual count per each installed (EA).
- B. Payment covers the cost of excavation, potholing, and new meter setter materials (sand fill compacted) and devices; acquisition and installation of new Raven meter box, ring & cover, removal and disposal of existing meter assembly and meter box, extension of the service lateral from the new meter to the old meter location, connection of the new water lateral to the servicing meter in-line with the existing service connections, removal or abandonment of the existing water lateral tubing, disinfection and commissioning of the lateral; and other miscellaneous devices, materials, or equipment required for a complete installation; all in accordance with Ogden City Standard Drawing W-3. Note, the majority of existing meters are 1". Payment includes the necessary adaptors/parts to connect the

new 1" line to the existing meter and piping/materials necessary to connect to the house side of the meter assembly. Ogden City's Water Department Approved Materials List should be consulted for acceptable equipment types. (Refer to Section 33 12 33, Water Meter), acceptable dual check valve – Ford HHCA34-444-G-NL 1" Dual Check Valve. Acceptable angle valve – Ford KV43-444WQ/G – Angle Valve 1" COMP NL. Meter Box – Raven Plastic Tapered 16x24x36 (White interior). Ring & Cover – A32-LB-TP – Ford Ring & Cover w/2" Hole.

- C. Payment covers the labor and tools necessary to install water meter "buttons" on the face of curb (adhesive and buttons will be provided by the Water Department).
- D. Payment covers furnishing and installing the necessary service saddle and associated tap. Service saddles shall be nylon coated with double stainless steel straps
- E. Payment covers furnishing and installing the appropriate corp stop, saddle, and meter connections. Corp stops shall be either Mueller or Ford ball valve type with T-cap head adaptors.

3.34 SEWER ROCK ASTM SIZE NO. 4, Bid Item No. 43

- A. Measurement will be made by Tons (TN) of sewer rock ASTM size No.4.
- B. Payment covers the cost, labor, and equipment for hauling, delivery, furnishing and installing all necessary materials, sewer rock, placement, and compaction.
- C. Payment includes installing sewer rock within the storm pipe trench pipe zone up to the top of storm pipe per revised Standard Drawing SD-6A, and below and around storm structures up to the top of main connecting pipe elevation.

3.35 8oz NON WOVEN GEOTEXTILE FABRIC, Bid Item No. 44

- A. Measurement will be per square foot (SF)
- B. Payment covers the cost, labor, and equipment for hauling, delivery, furnishing and installing geotextile fabric.
- C. Geotextile fabric shall be 8 oz. and non-woven.
- D. Payment includes geotextile installed in the pipe zone, 1 ft overlap over sewer rock at the top of pipe and along pipe; and fabric installed below and on the sides of storm structures with 1ft overlap at the top of connecting pipe elevation. Also includes any fasteners/clamps/clips/staples/pins used to hold the fabric closed at the overlap point.
- D. Payment also includes geotextile fabric furnished and installed as weed barrier for landscape restoration.

3.36 1" COBBLE ROCK LANDSCAPE RESTORATION, Bid Item No. 45

- A. Measured by square foot (SF)
- B. Payment includes all costs, labor and equipment incidental to the removal and restoration of 1" cobble landscape to a minimum thickness of 3". Contractor shall try to match similar color, size, and shape of existing landscape cobble rock.
- C. Payment includes all costs to furnish, haul, deliver, and install 1" cobble rock for landscape restoration.
- D. Does not include weed barrier fabric, which is covered under its respective bid item

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