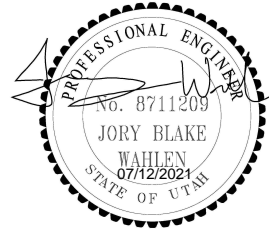


# SECTION 00 90 10 ADDENDUM No. 1



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## PART 1 GENERAL

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### 1.1 DOCUMENT INCLUDES

- A. Changes to Design Plans and Bid Documents
- B. Changes to Document 00 00 40 List of Drawings
- C. Changes to Document 00 41 10 Bid Schedule

### 1.2 CONSTRUCTION CONTRACT

- A. The Construction Contract is known as SU010-18th and Grant Ave Storm Drain Project
- B. Date of this Addendum is July 12<sup>th</sup>, 2021

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## PART 2 CHANGES

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### 2.1 CHANGES TO PRIOR ADDENDA

- A. None

### 2.2 CHANGES TO BIDDING REQUIREMENTS

- A. Bid Item No. 22 – Asphalt Restoration/Patching
  - 1. Part 3.12 Measure and Payment description changed to include “58-28 hot mix asphalt (HMA)”

### 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 3
  - 1. Existing tree locations displayed along the north end of the park near the East/West 24” SD alignment (STA 5+50 – STA 2+00)
- B. Sheet 4

1. Outlet structure details show the 1.5' riprap extending around to both sides of the structure to be consistent with the Head Wall With Riprap bid item 15 description in the measure and payment.
2. The incorrect typical trench section detail with its accompanying notes were removed from this sheet due to inconsistencies with the Ogden Engineering Standards. Please refer to Ogden Engineering Standards for the storm trench details.

## **2.7 CLARIFICATIONS**

- A. After the bid is awarded, the Contractor, Owner, and Engineer will meet with the City Urban Forester to determine if the planned alignment is desired. If not, an extra storm manhole and 24" RCP will be used to shift the SD alignment north toward the edge of asphalt along 18<sup>th</sup> Street in order to avoid excessive damage to the existing tree roots.

END OF SECTION

**DOCUMENT 00 00 40**  
**LIST OF DRAWINGS**

**SU010-18th and Grant Ave Storm Drain Project**

**DRAWINGS**

<u>Sheet No.</u>	<u>Title</u>	<u>Approval Date</u>
1. 1	Cover	6/21/21
2. 2	Demolition Plan	6/21/21
3. 3	Plan and Profile Sheet	7/9/21
4. 4-11	Details Sheets	7/9/21

**REFERENCE DRAWINGS**

1. 2017 Manual of Standard Plans by the Utah Chapter of the American Public Works Association.
2. Ogden City's Engineering Standards for Public Improvements 2020 Edition.

END OF DRAWING LIS

# **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:  
**SU010-18th and Grant Ave Storm Drain Project**

#### **1.3 REFERENCES**

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

### **PART 2 BID SCHEDULES**

#### **2.1 BASE BID**

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

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**BID SCHEDULE No. 1**

**Grant Avenue between Parry St and 18th St to the outfall south of Childs Ave, SU010-18th and Grant Ave Storm Drain Project**

BID ITEM	DESCRIPTION	BID QTY	BID UNIT	UNIT PRICE	CONTRACT AMOUNT
<b>Bid Schedule 1</b>					
1	Mobilization:	1	LS		
2	Remove Existing Asphalt Pavement:	7650	SF		
3	Remove Existing Curb and Gutter:	500	LF		
4	Remove Concrete (Sidewalk and Drive Approaches):	850	SF		
5	Remove Existing Storm Drain Pipe:	600	LF		
6	Remove Existing Concrete Catch Basin:	10	EA		
7	12" Storm Drain Pipe (RCP, Class 3):	60	LF		
8	15" Storm Drain Pipe (RCP, Class 3):	250	LF		
9	18" Storm Drain Pipe (RCP, Class 3):	60	LF		
10	24" Storm Drain Pipe (RCP, Class 3):	750	LF		
11	4' X 4' Catch Basin with Frame and Grate:	1	EA		
12	2' X 3' Storm Drain Catch Basin with Frame and Grate:	7	EA		
13	Combination Box with Frame, Grate and Lid:	2	EA		
14	6' Storm Drain Manhole:	2	EA		
15	Headwall with Riprap:	1	LS		
16	30" Tideflex Check Valve	1	LS		
17	Type A Curb and Gutter:	375	LF		
18	6" Existing Waterline Loop:	2	EA		
19	ADA Pedestrian Detectible Warning Surface	6	EA		
20	Reconstruct Drive Approach	350	SF		
21	6" Thick Sidewalk/Flatwork	900	SF		
22	Asphalt Restoration/Patching	875	SY		
23	Restore Stop Sign:	2	EA		
24	Restore Turf Sod and Sprinklers:	1	LS		
25	Tree Removal and Stump Grinding	2	EA		
26	Stream Alteration Permit Compliance and Vegetation Restoration	1	LS		
27	Storm Water Pollution Prevention Plan	1	LS		

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 1)**

- A. Measurement and Payment for this item shall be by lump sum (LS)
- B. Payment shall include Secure Permits, bonds, and insurance; Move Equipment and personnel to and from job site; and Complete all other miscellaneous responsibilities and operations not normally attributed to any other single bid item.

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

### **3.3 REMOVE EXISTING INFRASTRUCTURE (asphalt, concrete, storm pipe), (bid items 2-6)**

- A. Measurement for these items shall be as indicated on the bid form. Payment shall be full compensation for all the labor, equipment, and materials to remove the existing surface or sub- surface or features and properly dispose of the waste materials. Payment includes the following work and items:
- B. Remove and dispose of the indicated structures and features; Sawcut the edges of the concrete pavement and asphalt at the edges of the removal work; Load and haul the waste materials to a legal disposal or recycling facility; Pay all disposal fees and costs; Backfill excavations with compacted granular borrow material; Protect existing improvements including walls, fences, utilities, or any other features;
- C. Coordinate storm drain disconnections at irrigation structures with the irrigation company;
- D. Provide dust control and cleanup; and Complete all other appurtenant activities necessary to remove and dispose of the indicated items.

### **3.4 12",15",18",24" DIA. REINFORCED CONCRETE PIPE (CLASS III), (BID ITEM 7-10)**

- A. Measurement will be made from structure to structure along centerline of pipe per linear foot (LF).
- B. Payment covers the cost of the size and type of pipe indicated, with installation per APWA Plan No. 381 and surface restoration not identified as separate pay items in the price schedule. Payment includes excavation and all bedding and fill material in the pipe zone. Payment covers the cost of incidental work such as, fittings, couplings, joint lubricants; removal and disposal of interfering structures and obstructions; concrete rings, frame and lid as applicable; grout; jackhammer work; trench shoring or trench boxes as applicable; underground line markers; cleaning of invert covers; removal and disposal of waste materials; restoration of all utilities damaged as a result of operations; site dewatering; pipe line cleaning; main repair or replacement if damaged by CONTRACTOR; and similar work to complete the installation of the pipe.
- C. Payment shall be at the linear foot unit price bid and shall include all costs to furnish and stockpile the import bedding and pipe zone material stockpile and import granular backfill materials (APWA - 2" Minus Granular Fill Borrow); excavate the trench; excavation for bells; place, shape, compact and prepare the material around the pipe, provide compaction and gradation tests, provide certified scale tickets for the material delivered, dewatering, and traffic control. All trenching is to conform to Ogden City Standards for material, placement, depth, and compaction. Trench width must be a minimum of 4' wide, and must meet pipe zone width recommended by the manufacturer of the pipe. Pipe bedding and pipe zone material shall be placed a minimum of six inches below the pipe and up to spring line of the pipe per Ogden City Standards Plan SD-6. The import granular backfill borrow shall be placed directly above the import pipe bedding and pipe zone material to the bottom of the untreated base course layer. There will be no payment for over excavation unless approved in written form by the engineer prior to the excavation.

- D. Payment covers the cost of quality control and all testing as required by APWA 01 45 00 and in Ogden City's Engineering Standards for Public Improvements 2020 Edition Includes testing by a third party of all earthwork compaction, and concrete testing as outlined in APWA and Ogden City Standards
- E. Storm drain line must be video inspected prior to acceptance by the City. Bid item includes all costs for the video inspection.

**3.5 FURNISH AND INSTALL STORM STRUCTURE (CATCH BASIN, COMBO BOX, MANHOLE), (BID ITEM 11-14)**

- A. Measurement shall be per each (EA).
- B. Payment shall be full compensation for all labor, materials, and equipment necessary to furnish and to install the drainage structures.
- C. Payment includes the following work and items: Locate and protect existing utilities; Provide a structural design by a licensed professional engineer for any cast-in-place structures; Excavate, prepare subgrade, and install aggregate base foundation; Install concrete bases, boxes, and manholes with reinforcement, forming and finishing; Install frames, grates, lids, covers, and grade rings; Place and compact import granular borrow material; Complete connections to the existing storm drains or construct; Make final grade adjustments to manhole rings and lids and construct concrete collars; Complete pipe connections to structures and existing pipes; Properly dispose of excess and unsuitable materials, provide dust control and cleanup; and complete all other necessary appurtenant activities to construct these structures.

**3.6 HEAD WALL WITH RIPRAP, (BID ITEM 15)**

- A. Measurement for these items shall be by lump sum (LS).
- B. Payment shall be full compensation for all labor, material, and equipment required to furnish and install the headwall structure and riprap as shown in the Construction Drawings.
- C. Payment includes the following work and items. Install aggregate base beneath the concrete structure and riprap; Construct the reinforced concrete headwall structure with forming, reinforcing, curing, and finishing; Install 1.5-foot riprap around the sides and front of the headwall structure; Backfill the headwall structure and grade the embankment to match the existing embankment surface; Grout pipe connection; Complete all other operations and construction to complete the structure.

**3.7 30" TIDEFLEX CHECK VALVE, (BID ITEM 16)**

- A. Measurement for this item shall be by lump sum (LS).
- B. Payment shall be full compensation for all labor, material, and equipment necessary to furnish and install Tideflex check valve according to manufacturer specifications.
- C. Provide a product submittal to the City for review; Connect valve to concrete pipe using stainless steel bands per manufacturers recommendations; and Complete all other work and tasks as required to install the check valve.



### **TYPE A CURB AND GUTTER (BID ITEM 17)**

- A. Measurement shall be by linear foot (LF) as measured along the back of edge of curb or gutter.
- B. Payment shall be full compensation for all labor, materials, and equipment to furnish and install the concrete curb and gutter and curb wall.
- C. Payment includes the following work and items: Prepare and compact sub-grade; Base course material. Place and compact 8" thick untreated base course beneath the curb and gutter per Ogden City Engineering Standards.
- D. Complete concrete with forming, reinforcing, joints, finishing, curing, and sealing; Place and compact backfill along the back of curb; and complete all other tasks and provide all materials necessary for construction of curb and gutter.

### **3.8 6" EXISTING WATERLINE LOOP, (BID ITEM 18)**

- A. Measurement will be made by EACH (EA) full 6 inch ductile iron 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, fittings, couplings, joint lubricants, nuts, bolts and washers; removal and disposal of interfering structures and obstructions; jackhammer work; trench shoring or trench boxes as applicable, additional/deep excavation, additional backfill/pipe bedding, underground plastic line markers; removal and disposal of waste materials; restoration of all utilities damaged as a result of operations; site 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).

### **3.9 ADA PEDESTRIAN DETECTIBLE WARNING SURFACE, (BID ITEM 19)**

- A. Measured per each (EA)
- B. Payment: includes all costs, materials, labor, and equipment incidental to the placement of a tactile warning pad that is gray in color, which meets ADA requirements at the location indicated by the plans.

### **3.10 RECONSTRUCT DRIVE APPROACH, (BID ITEM 20)**

- A. Measurement shall be by square foot (SF).
- B. Payment shall be full compensation for all labor, materials, and equipment to furnish and install the indicated 6" thick concrete flatwork with aggregate base.
- C. Payment includes the following work and items: Excavate and dispose of all excess and unsuitable materials; Prepare and compact subgrade; Place and compact 6" thick untreated base course beneath the 6" thick flatwork concrete flatwork; Complete concrete with forming, scoring, joints, finishing, curing, and sealing; Backfill along exposed concrete edges with granular borrow; Complete restoration of any improvements or utilities damaged during construction; Provide dust control and daily cleanup; and

Complete all other operations and provide materials necessary for construction of these items.

### **3.11 6" THICK SIDEWALK/FLATWORK, (BID ITEM 21)**

- A. Measurement shall be by square foot (SF).
- B. Payment shall be full compensation for all labor, materials, and equipment to furnish and install the indicated 6" thick concrete flatwork with aggregate base.
- C. Payment includes the following work and items: Prepare and compact subgrade; Place and compact 6" thick untreated base course beneath the 6" thick concrete flatwork; Complete concrete with forming, scoring, joints, finishing, curing, and sealing; Backfill along exposed concrete edges with granular borrow; Complete restoration of any improvements or utilities damaged during construction; Provide dust control and daily cleanup; and Complete all other operations and provide materials necessary for construction of these items.

### **3.12 ASPHALT RESTORATION AND PATCHING, (BID ITEM 22)**

- A. Measurement shall be by square yard (SY).
- B. Payment shall be full compensation for all the labor, equipment and materials to furnish and to install the asphalt pavement with base course and 58-28 hot mix asphalt (HMA).
- C. Payment includes the following work and items: Submit a mix gradation and design in compliance with Ogden City Standards; Place and compact 8" thick (minimum) untreated base course (UTBC) per Ogden City Standards. Grade the UTBC surface to design grades (see notes); Sawcut the edge of asphalt to achieve a smooth, clean edge; Apply tack coat; Place and compact 6" thick hot mix asphalt (HMA); and Provide dust control and daily cleanup; and complete all other items and operations necessary for restoration of asphalt pavement.

### **3.13 RESTORE STOP SIGN, (BID ITEM 23)**

- A. Measurement shall be by each (EA).
- B. Payment shall be full compensation for all labor, material and equipment required for restoration of signs.
- C. Payment shall include the following work and items: Remove the existing signs as required for construction; Maintain temporary traffic controls during construction activities; Restore the sign at the original location in conformance with Ogden City Standards; and Complete cleanup and all other activities necessary to construct signs and pavement markings. Contractor is responsible for protecting the sign and base for the duration of the project. Should the sign need to be replaced, it will be at the discretion of the OWNER.

### **3.14 RESTORE TURF SOD AND SPRINKLERS, (BID ITEM 24)**

- A. Measurement shall per Lump Sum (LS) for areas requiring topsoil and turf sod

restoration.

- B. Areas with minor damage that can be repaired by grading or filling ruts will be considered incidental to the work. Payment shall be full compensation for all the labor, equipment and materials to restore topsoil and turf sod or other items as reviewed and approved by OWNER.
- C. Payment includes the following work and items: Segregate existing topsoil during trench excavation; Spread topsoil to a 4-inch(minimum)thickness disturbed areas; Place turf sod (new or existing so recovered from work area in acceptable condition); and Complete all other tasks and activities necessary for restoration of turf sod. Contractor is expected to restore the landscaping to a similar condition prior to disturbance.

### **3.15 TREE REMOVAL AND STUMP GRINDING, (BID ITEM 25)**

- A. Measurement is per Each (EA) to be removed.
- B. Payment covers complete cost of demolition trees above including but not limited to, cutting, felling, handling, disposal, stump grinding and stabilizing and redistribution onsite of topsoil and upland soils. Tree stump grinding is included. CONTRACTOR is responsible for locating and protecting in place existing utilities. Any cost associated with temporary outages or repairing utility, as determined by OWNER, shall be wholly the responsibility of the CONTRACTOR.

### **3.16 STREAM ALTERATION PERMIT COMPLIANCE, (BID ITEM 26)**

- A. Measurement shall be by lump sum (LS).
- B. Payment shall be full compensation for all the labor, equipment and materials required for compliance with the stream alteration permit and vegetation restoration at the river embankment.
- C. Payment includes the following work and items: Comply with stream alteration permit conditions; Grade river embankments to approximately match existing slope; Provide temporary slope erosion protection, care of water plan, and any other BMPs as required by federal, state, and local permits/requirements; Seed disturbed areas of the river embankment with an approved mix of native grasses and forbs; Plant shrubs and trees to replace those removed by construction activities; and Monitor for 1 year and ensure the embankment vegetation becomes well established and that the embankment slope is stabilized from erosion. Show your BMPs in your SWPPP plan.
- D. Trees and shrubs removed must be replaced with a minimum of 2” caliper for the trees, and 5 gallon shrubs. The variety must be approved by the Ogden City Urban Forrester.
- E. Contractor will be responsible for temporary landscape water.

### **3.17 STORM WATER POLLUTION PREVENTION PLAN, (Bid Item 27)**

- 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. UTR300000 found at: <http://www.waterquality.utah.gov/UPDES/stormwatercon.htm> 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), and stabilized roadway entrances. (Refer to Section 31 25 00 SP)
- C. The contractor shall provide all the required SWPP and BMPs required in the Stream Alteration Permit for the work on the outfall structure.

END OF DOCUMENT