



Purchasing Division

ADDENDUM NO. 1

DATE: August 28, 2024
FROM: City of Grand Junction Purchasing Division
TO: All Offerors
RE: Monument Connect Phase 2 Multi-Modal Concrete Path Construction

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded, and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. The Cross-section sheets have been added to the Construction Drawings (See Link)
[Construction Drawings Monument Connect Phase 2 Addendum 1](#)

2. Question: Precast Concrete Block Retaining Wall #28

a. Will the city require a 3rd party engineer to stamp a wall design?

Answer: NO

b. Leveling pad, Drain, and Non-woven Geotextile fabric specs?

Answer: Leveling pad made of Type B Granular Stabilization material per City Spec 103.15, 6 inches thick, 18 inches wider than base block; Drainpipe to be 6 inch diameter perforated (behind wall) and non-perforated (to daylight) ADS single-wall highway pipe or approved equal; Geotextile Fabric to be ADS Geosynthetics 0801T nonwoven geotextile or approved equal.

c. Face texture, Limestone or Ledgestone?

Answer: Ledgestone face texture, color to match existing Redi-rock block wall just west of the bike park.

3. Question: Page 12 calls for 24" x 6' Caissons while bid schedule calls for 18" x 6'?

Answer: Note on page 36 of the drawings has been updated to show 18 inch diameter caissons.

4. Question: SP-7 "Sandstone boulders will be measured by the plan linear feet" while bid schedule calls out "EACH"

Answer: Stone boulders shall be quantified by EACH. The specifications have been updated.

5. Question: Item #8 3x3 area inlet, any details. Height, wall thickness, frame and grate style?

Answer: Area inlet shall be a Type D Inlet (see CDOT M-604-11 standard plan). Height from pipe invert to top of grating shall be 4 ft; grate style shall be standard inlet grate.

6. Question: Plan set pages 45-47 call for to "Construct Bike Path (1ft wide concrete 6" thick...."

Answer: This has been revised to state, "10-FT WIDE CONCRETE..."

7. Question: Item #30 Rip Rap 100 CY, is this meant for pipes #1,12, and 15? Page 48 in plan set calls Rip Rap "Included in Cost of Pipe"

Answer: Item 30 is intended to be the riprap for these three pipe outlets.

8. Question: Erosion Logs 4000LF, does this include the removal after vegetation is established?

Answer: No, removal will be performed by others after vegetation is established.

a. Can Compacted earthen berms be used in lieu of logs?

Answer: Yes, in areas where there is enough room for the berm to remain within City ROW. Berms are not allowed in areas near Colorado Hookless Cactus (see Special Provision 5, last paragraph on page 3 for these locations).

b. If so, can we add a line item for berms?

Answer: Yes, a line item for Compacted Earthen Berms has been added to the Bid Schedule, and quantities for the Erosion Logs have been reduced.

9. Question: STA 28+05 to STA 33+69 calls for a 30' ramp at 1/12 followed by a 10' resting area at 1/33.

a. There is concern that the resting area don't meet ADA?

Answer: This trail is classified as a bicycle path and therefore does not need to meet ADA requirements. We would like to limit the maximum vertical grade to 8.33%.

b. This is a challenge for machine pour, what are allowable tolerances?

Answer: The maximum vertical grade of the trail shall be 8.33%. The resting areas may be adjusted by +/- 0.0833% or +/- 0.5/12, as long as the steep areas remain at 8.33% (1/12) or less.

10. Question: Winter Concrete holds its own challenges

a. Would a winter shutdown be an option?

Answer: A winter shutdown may be allowed as long as project completion occurs on or before March 31, 2025.

b. Are blanket marks and staining an issue?

Answer: If concrete is placed in temperatures below 40 degrees, blankets shall be used per City Specs. Blanket marks and staining may be avoided if a winter shutdown is allowed. See answer to question 10a.

11. Question: Where is Item #36 – Colored Concrete Curb and Gutter located on the plans?

Answer: This item is not included in this Project; It has been deleted.

12. Question: I have included the 4 headwalls, toe walls and center walls which attach to each end of the two precast CBC, the wingwall footings with toe walls (4 ea) and the wingwalls (4 ea). The drawings do not indicate any inlet or outlet aprons.

In working on the cast-in-place portion of the precast concrete culverts and cannot find the correct yardage shown on Item #29, Concrete wall (Class D) with a quantity of 95 cy.

My conservative calculations are significantly less (30%) than the bid item. Is there a concrete scope that I am missing for that line item?

Answer: The quantities of the Concrete Wall (Class D) will be updated. See attached revised Bid Schedule.

13. Question: How many Calendar Days are in the contract?

Answer: The Calendar Days will be established when the Notice To Proceed is given to the awarded contract. See the answer to question 14.

14. Question: Can the project start date and completion date be extended to accommodate the holiday schedule and the project seeding requirements, to the Spring (March 31st) of 2025?

Answer: The start date will be established as soon as possible following the contract approval by City Council on September 18. The completion date is now March 31, 2025.

Attachments:

Revised Bid Schedule – Addendum 1 (Must use this when submitting your bid)

Revised Special Provisions – Addendum 1

Revised Construction Drawings – Addendum 1 (Click on Link)

[Construction Drawings Monument Connect Phase 2 Addendum 1](#)

The original solicitation for the project noted above is amended as noted. All other conditions of the subject remain the same.

Respectfully,



Dolly Daniels, Senior Buyer
City of Grand Junction, Colorado

3. Contractor's Bid Form ADDENDUM No. 1

Project: IFB-5491-24-DD "Monument Connect – Phase 2 Multi-modal Concrete Path Construction"

Bid Date: _____

Bidding Company: _____

Name of Authorized Agent: _____

Email _____

Telephone _____ **Address** _____

City _____ **State** _____ **Zip** _____

The undersigned Bidder, in compliance with the Invitation for Bids, having examined the Instruction to Bidders, General Contract Conditions, Statement of Work, Specifications, and any and all Addenda thereto, having investigated the location of, and conditions affecting the proposed work, hereby proposes to furnish all labor, materials and supplies, and to perform all work for the Project in accordance with Contract Documents, within the time set forth and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this Contractor's Bid Form is a part.

The undersigned Contractor does hereby declare and stipulate that this offer is made in good faith without collusion or connection to any person(s) providing an offer for the same work, and that it is made in pursuance of, and subject to, all terms and conditions of the Instructions to Bidders, the Specifications, and all other Solicitation Documents, all of which have been examined by the undersigned.

The Contractor also agrees that if awarded the Contract, to provide insurance certificates within ten (10) working days of the date of Notification of Award. Submittal of this offer will be taken by the Owner as a binding covenant that the Contractor will be prepared to complete the project in its entirety.

The Owner reserves the right to make the award on the basis of the offer deemed most favorable, to waive any formalities or technicalities and to reject any or all offers. It is further agreed that this offer may not be withdrawn for a period of sixty (60) calendar days after closing time. Submission of clarifications and revised offers automatically establish a new thirty day (30) period.

Prices in the bid proposal have not knowingly been disclosed with another provider and will not be prior to award.

- Prices in this bid proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- No attempt has been made nor will be to induce any other person or firm to submit a bid proposal for the purpose of restricting competition.
- The individual signing this bid proposal certifies they are a legal agent of the offeror, authorized to represent the offeror and is legally responsible for the offer with regard to supporting documentation and prices provided.
- Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt No. 98-03544. The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.
- City of Grand Junction payment terms shall be Net 30 days.
- Prompt payment discount of _____ percent of the net dollar will be offered to the Owner if the invoice is paid within _____ days after the receipt of the invoice. The Owner reserves the right to take into account any such discounts when determining the bid award that are no less than Net 10 days.

RECEIPT OF ADDENDA: the undersigned Contractor acknowledges receipt of Addenda to the Solicitation, Specifications, and other Contract Documents.

State number of Addenda received: _____.

It is the responsibility of the Bidder to ensure all Addenda have been received and acknowledged.

By signing below, the Undersigned agree to comply with all terms and conditions contained herein.

Company: _____

Authorized Signature: _____

Title: _____

The undersigned Bidder proposes to subcontract the following portion of Work:

<u>Name & address of Sub-Contractor</u>	<u>Description of work to be performed</u>	<u>% of Contract</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

The undersigned Bidder acknowledges the right of the City to reject any and all Bids submitted and to waive informalities and irregularities therein in the City's sole discretion.

By submission of the Bid, each Bidder certifies, and in the case of a joint Bid each party thereto certifies as to his own organization, that this Bid has been arrived at independently, without collusion, consultation, communication, or agreement as to any matter relating to this Bid with any other Bidder or with any competitor.

Bid Schedule: Monument Connect Trail - Phase 2 - Addendum 1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	102.10	Reinforced Concrete Pipe (RCP) (76-inch x 48-inch Horizontal Elliptical) (Includes bedding, material and install)	80.	Lin. Ft.	\$ _____	\$ _____
2	102.10	Reinforced Concrete Pipe (RCP) (48-inch) (Includes bedding, material and install)	24.	Lin. Ft.	\$ _____	\$ _____
3	102.10	Reinforced Concrete Pipe (RCP) (24-inch) (Includes bedding, material and install)	144.	Lin. Ft.	\$ _____	\$ _____
4	102.10	Reinforced Concrete Pipe (RCP) (18-inch) (Includes bedding, material and install)	72.	Lin. Ft.	\$ _____	\$ _____
5	102.10	Reinforced Concrete Pipe (RCP) (12-inch) (Includes bedding, material and install)	24.	Lin. Ft.	\$ _____	\$ _____
6	102.10	Reinforced Concrete Box Culvert (CBC) (9 ft wide by 4 ft high (Delivery from Rinker Materials, bedding and Install Only)	74.	Lin. Ft.	\$ _____	\$ _____
7	102.10	Reinforced Concrete Box Culvert (CBC) (9 ft wide by 5 ft high (Delivery from Rinker Materials, bedding and Install Only)	74.	Lin. Ft.	\$ _____	\$ _____
8	102.13	Area Inlet (Type D, H = 4 FT) (CDOT M-604-11)	1.	Each	\$ _____	\$ _____
9	201	Clearing and Grubbing	5.2	Acre	\$ _____	\$ _____
10	202	Removal of Tree (2" dia.)	6.	Each	\$ _____	\$ _____
11	203	Unclassified Excavation (Complete in Place)	2,700.	Cu. Yd.	\$ _____	\$ _____
12	208	Erosion Logs (12 inch)	1,210.	Lin. Ft.	\$ _____	\$ _____
13	208	Compacted Earthen Berms	2,790.	Lin. Ft.	\$ _____	\$ _____
14	208	Aggregate Bag	10.	Each	\$ _____	\$ _____
15	208	Concrete Washout Structure	2.	Each	\$ _____	\$ _____
16	208	Vehicle Track Pad	3.	Each	\$ _____	\$ _____
17	208	BMP Swale Berms	32.	Each	\$ _____	\$ _____
18	209	Dust Abatement	Lump Sum		- - -	\$ _____
19	210	Reset Sign	1.	Each	\$ _____	\$ _____
20	210	Adjust existing metal post and rail fence at bike park	Lump Sum		- - -	\$ _____
21	212	Seeding (Native) (Hydroseed) (Use Seed Mixes Specified Based on Property Owner - City or BLM)	4.5	Acre	\$ _____	\$ _____
22	216	Soil Retention Blanket (Coconut) (As Needed Where Disturbed Slope is Greater Than 3:1)	1,000.	Sq. Yd.	\$ _____	\$ _____
23	304	Granular Stabilization Material (Type B) (Crushed Rock) (As Needed in Excavations Where Unstable Bottom Exists)	20.	Ton	\$ _____	\$ _____
24	304	Aggregate Base Course (Class 6) (12 inch thick shoulders)	3,411.	Ton	\$ _____	\$ _____
25	304	Aggregate Base Course (Class 3) (subgrade stabilization as needed)	500.	Cu. Yd.	\$ _____	\$ _____

Bid Schedule: Monument Connect Trail - Phase 2 - Addendum 1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
26	306	Reconditioning (12 inches deep)	20,253.	Sq. Yd.	\$ _____	\$ _____
27	306	Singletrack Trail (3-ft wide) (Complete in Place)	880.	Lin. Ft.	\$ _____	\$ _____
28	504	Precast Concrete Block Retaining Wall System (includes all necessary appurtenances, work, etc. to complete).	508.	FSF	\$ _____	\$ _____
29	504	Concrete Wall (Class D) per M and S Standard M-601-20 (Wall Design Height 3' to 7' per plan). (Includes associated headwall, and toe walls) Work shall include approximately 3750 lbs. Reinforcing Steel (Epoxy Coated), 75 sy Structural Concrete Coating (Exterior of wall), 35 cy Structural Backfill (Class 1) and any necessary appurtenances to complete work.	26.	Cu. Yd.	\$ _____	\$ _____
30	506	Riprap (D ₅₀ = 12 inch)	100.	Cu. Yd.	\$ _____	\$ _____
31	506	Landscape Boulders (Site Access Control)	112.	Each	\$ _____	\$ _____
32	514	Detectable Warning (Cast Iron, Wet Set) (2 ft x 2 ft)	15.	Each	\$ _____	\$ _____
33	601	Cast-in-Place Concrete Footings to support shade structures (1.5 ft diameter, 6 ft drilled into ground, including rebar per details)	24.	LF	\$ _____	\$ _____
34	608	Colored Concrete Sidewalk (6" Thick) to include 6" of Class 6 Aggregate Base Course	10,167.	Sq. Yd.	\$ _____	\$ _____
35	608	Colored Concrete Curb Ramp to include 6" of Class 6 Aggregate Base Course	150.	Sq. Yd.	\$ _____	\$ _____
36	608	Colored Concrete Pad for Benches (6 inch thick)(Includes 6 inch thick Class 6 ABC) (Location To Be Decided)	18.	Sq. Yd.	\$ _____	\$ _____
37	620	Portable Sanitary Facility	2.		\$ _____	\$ _____
38	625	Construction Surveying (Includes As-Built Drawings)		Lump Sum	---	\$ _____
39	626	Mobilization		Lump Sum	---	\$ _____
40	630	Traffic Control (Complete in Place)		Lump Sum	---	\$ _____
MCR		Minor Contract Revisions		---	---	\$ <u>60,000.00</u>

Bid Amount: \$ _____

Bid Amount: _____ dollars

CITY OF GRAND JUNCTION
DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING DIVISION

Monument Connect Trail - Phase 2 Project

SPECIAL PROVISIONS

GENERAL:

The descriptions of the pay items listed in the Bid Schedule for this Project may not agree with those listed in the Standard Specifications. Payment for all Work performed, as required in the Contract Documents, will be in accordance with the items and units listed in the Bid Schedule.

STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION:

The *City of Grand Junction Standard Specifications for Road and Bridge Construction* are hereby modified or supplemented for this Project by the following modifications to *The Standard Specifications for Road and Bridge Construction*, State Department of Highways, Division of Highways, State of Colorado:

SP-1 SECTION 203 – POTHOLING

Section 203 of the Standard Specifications is hereby revised for this project as follows:

Subsection 203.05(g) shall include the following:

All potholing shall be accomplished using noninvasive, vacuum equipment. All potholing methods and locations shall be preapproved by the Project Engineer. Any potholing that has not been preapproved by the Project Engineer shall be at the Contractor's expense.

SP-2 SECTION 203 – PROOF ROLLING

Section 203 of the Standard Specifications is hereby revised for this project as follows:

Delete Subsection 203.11(f)

In Subsection 203.12, delete the pay item Proof Rolling and add the following:

Proof Rolling will not be measured and paid for separately but shall be included in the work.

SP-3 SECTION 206 – EXCAVATION AND BACKFILL FOR STRUCTURES

Section 206 of the Standard Specifications is hereby revised for this project as follows:

Subsection 206.07 shall include the following:

Structure excavation and structure backfill required for all manholes, valve boxes, inlets, walls, pipes, culverts, utility conduits, extensions, removed pipes and removed conduits will not be measured and paid for separately but shall be included in the work.

SP-4 SECTION 212 – SEEDING

Section 212 of the Standard Specifications is hereby revised for this project as follows:

Subsection 212.02 shall include the following:

City-owned Lands Seed mix shall be:

Common Name	Scientific Name	PLS (lbs/acre)
Indian Ricegrass	Achnatherum hymenoides	1.0
Thickspike Wheatgrass	Elymus lanceolatus	2.3
Western Wheatgrass	Pascopyrum smithii	7.5
Bluebunch Wheatgrass	Pseudoroegneria spicata	2.3
Slender Wheatgrass	Elymus trachycaulus	9.5
Red Mexican Hat	Ratibida columnifera	0.5
Blanket Flower	Gaillardia	1.5
Western Yarrow	Achillea millefolium	0.5
	TOTAL	25.00

BLM-owned Lands Seed mix shall be:

Greasewood Flats, Desert Scrubland

Common Name	Scientific Name	Variety	Percentage of Mix (%)	PLS (lbs/acre)
Western Wheatgrass	Pascopyrum smithii	Arriba, Rosana	35	9.5
Bottlebrush Squirreltail	Elymus elymoides	VNS	22	5.8
Alkali Sacaton	Sporobolus airoides	VNS	1	0.27
Sand Dropseed	Sporobolus cryptandrus	VNS	<1	0.09
Shadscale	Atriplex confertifolia	VNS	17	4.5
Four-wing Saltbush	Atriplex canescens	Source N of CO-NM line or above 5,000 ft	23	6.2

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Common Name	Scientific Name	Variety	Percentage of Mix (%)	PLS (lbs/acre)
Scarlet Globemallow	Sphaeralcea coccinea	VNS	2	0.47
	TOTAL			25.00

Must be able to verify source. Double seeding rate for broadcast seeding. All seed shall be certified weed free.

Contractor shall reference the Plan of Development (Appendix C of the Solicitation) for Reclamation Procedures outlined in Section 4.6.

SP-5 SECTION 240 – BIOLOGICAL, PALEOLOGICAL, AND CULTURAL MANAGEMENT

Section 240 of the Standard Specifications is hereby revised for this project as follows:

Environmental Awareness Training. All staff, contractors, and volunteers responsible for any element of on-the-ground work will receive environmental awareness training prior to being allowed to work on this project. Training will include:

- a) information on the legal and biological status of Colorado Hookless Cactus (CHC);
- b) the habitats important to the species;
- c) awareness of mandatory conservation/avoidance measures;
- d) information on fines and penalties for damaging or directly impacting CHC;
- e) and reporting procedures if any violation occur.

Cultural Stipulations. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the contractor on public or Federal land shall be immediately reported to the Project Engineer. The Contractor shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Project Engineer. An evaluation of the discovery will be made by the City’s Environmental Consultant to determine appropriate actions to prevent the loss of significant cultural or scientific values. The City will be responsible for the cost of evaluation, and any decision as to proper mitigation measures will be made by the BLM after consulting with the City.

The environmental survey identified several populations of CHC in the vicinity of the project limits (within 200 feet of construction and access roads). As part of the BLM ROW and Temporary Use Easements, there are Stipulations to be followed (see Appendix C of the Solicitation), and the Contractor shall coordinate with the City’s Biological Monitor when working within the buffer zone around the surveyed CHCs. These zones include the paved trail construction from Station 57+00 to 63+25, Station 71+00 to 76+00, and Station 79+25 to 84+00, including the construction access road at Station 71+60 connecting to Monument Road.

SP-6 SECTION 250 – FIRE PROTECTION PLAN

Section 250 of the Standard Specifications is hereby revised for this project as follows:

A. *Fire Protection Plan.* Prior to start of work, the Contractor shall submit a Fire Control Plan in writing to the Engineer for approval. The plan shall include the following:

- 1) The name and contact information of a Fire Control Coordinator who shall be assigned to the project.
- 2) A list of numbers to call in case of a fire, including 911 (or the equivalent in the area).
- 3) A complete list, including storage locations, of all tools and equipment the Contractor will use in the event of a fire within project limits.
- 4) Methods that will be employed if a fire is encountered or started during construction activities within the project limits.
- 5) Specific fire prevention precautions, and the required firefighting equipment, for every activity which has the potential for starting a fire. At a minimum the plan shall address prevention planning related to the use of heavy equipment, vehicles, hand tools, storage and parking areas.
- 6) Specific precautions for fueling operations.
- 7) Provisions for field safety meetings. The Contractor shall conduct field safety meetings (also known as toolbox or tailgate meetings) at least once per week. The Contractor shall encourage participation by all persons working at the project site. Participants shall discuss specific fire prevention precautions for construction activities.

B. *Equipment and Procedures.*

- 1) Fire Boxes. Fire boxes shall contain tools and equipment that shall be used exclusively for controlling or suppressing fires which occur due to construction activities on project sites. Each fire box shall contain, as a minimum, the following:
 - a) five round-pointed shovels,
 - b) two double-bitted axes,
 - c) three pulaskis or mattocks, and
 - d) two backpack pumps
- 2) Welding. If welding at field locations is required, the welding shall be done at a location where all flammable material has been cleared away for a distance of 16 feet around the area.
- 3) Spark Arrestors. All diesel and gasoline powered engines, both mobile and stationary, shall be equipped with serviceable spark arrestors.
- 4) Power Saws. Each gasoline power saw shall be provided with a spark screen and a muffler in good condition. Spill-proof metal safety cans shall be used for refueling.

- 5) Storage and Parking Areas. Batch plant areas, equipment service areas, parking areas, gas and oil drum storage areas, and explosive storage areas shall be cleared of all flammable materials for a distance of 50 feet. Small stationary engine sites shall be cleared of all flammable material for a distance of 17 feet. Other mitigation methods may be used as approved by the Engineer. No construction vehicles or equipment shall be parked on dry brush.

C. *Fire Control Coordinator Responsibilities.* The Fire Control Coordinator shall:

- 1) Implement the Fire Control Plan.
- 2) Monitor, manage, and adjust the Fire Control Plan as needed as construction work progresses.
- 3) Document in a letter to the Engineer changes to the Fire Control Plan.
- 4) Immediately contact firefighting authorities when a fire is started due to construction activities within project limits.
- 5) Coordinate fire control and suppression activities until authorities arrive, including the evacuation of staff.
- 6) When the Fire Control Coordinator cannot be on the project site, he shall designate a person who is on site to serve as the Fire Control Coordinator. The Fire Control Coordinator, or his designee, shall be on site at all times that work is being performed.

D. *Costs.* All costs associated with the preparation and implementation of the Plan and compliance with all fire protection provisions and requirements will not be measured and paid for separately but shall be included in the work.

SP-7 SECTION 506 – STONE BOULDERS

Section 506 of the Standard Specifications is hereby revised for this project as follows:

Subsection 506.01 shall include the following:

This work includes installation of stone boulders in the construction access zones shown on the plans. Each feature contains a variable number of boulders from off-site sources. Work includes the selection of suitable boulders, transport, and placement of approved boulders into distinct features as shown on the plans to block vehicle access after construction is completed.

Construction shall be limited to areas as shown on the plans or as agreed to by the Engineer.

Subsection 506.02 shall include the following:

Boulders for use in the trailhead improvements shall be angular or subrounded on the sides and top, and 24 inches to 36 inches in diameter (measured on the A-axis (minimum

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dimension), and a height of 16 inches minimum (after installation). Exposed surface of installed boulders shall not show machine-caused scarring or breakage. Boulders are to be tan/red sandstone. Examples of this type of boulder can be seen at “The Rock Shop”, 800 S 15th Street, Grand Junction – Burnt Autumn and Redstone Red boulders.

Contractor shall submit sample to Engineer prior to acquisition.

Subsection 506.03 shall include the following:

Boulders are to be placed where indicated on the drawings or as approved by the Engineer. The nature of the selected rock will require excavation of a pit 1/3 to 1/2 the height of the rock in the position the rock is to be placed. Backfill following placement, and compact.

Subsection 506.04 shall include the following:

Sandstone Boulders will be measured by the number of boulders installed in the field, including and all labor, materials equipment, and transportation of materials required to complete the work.

Subsection 506.05 shall include the following:

The accepted quantities of Sandstone Boulders will be paid for at the contract unit price for each of the items listed below that appear in the bid schedule.

<u>Pay Item</u>	<u>Pay Unit</u>
Stone Boulders for access control	Each

Work shall include all boulder transport, handling, and placement.

SP-8 SECTION 601 – CONCRETE

Section 601 of the Standard Specifications is hereby revised for this project as follows:

Subsection 601.02, Classification:

CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS:

- 4,500 PSI Compressive at 28 Days
- 6% air \pm 1.5%
- Slump 4”, Loads exceeding 6” shall be rejected
- Maximum Water Cement Ratio no greater than 0.45.

Subsection 601.06, Batching:

This CDOT Specification has been added to this Project:

The Contractor shall furnish a batch ticket (delivery ticket) with each load for all concrete. Concrete delivered without a batch ticket containing complete information as specified shall be rejected. The Contractor shall collect and complete the batch ticket at the placement site and deliver all batch tickets to the Engineer or his representative at the end of each day. The Engineer or his representative shall have access to the batch tickets at any time during the placement. The following information shall be provided on each ticket:

1. Suppliers name and date
2. Truck number
3. Project name and location
4. Concrete class and designation number
5. Cubic yards batched
6. Type brand and amount of each admixture
7. Type, brand, and amount of cement and fly ash
8. Weights of fine and coarse aggregates
9. Moisture of fine and coarse aggregates
10. Gallons of batch water

The contractor shall add the following information to the batch ticket at time of placement:

1. Gallons of water added by the truck operator.
2. Number of revolutions of the drum for mixing
3. Discharge time

**STANDARD SPECIFICATIONS FOR CONSTRUCTION OF WATER LINES, SANITARY
SEWERS, STORM DRAINS, UNDERDRAINS AND IRRIGATION SYSTEMS**

The City of Grand Junction *Standard Specifications for Construction of Water Lines, Sanitary Sewers, Storm Drains, Underdrains and Irrigation Systems* are hereby modified for this Project as follows:

SP-9 SECTION 103 – REMOVALS, EXCAVATION, BACKFILLING & RESTORATION

Section 103 of the Standard Specifications is hereby revised for this project as follows:

Subsection 103.16, Earth Backfill Material, shall include the following:

Native material excavated on site shall be used for backfill on all pipelines and appurtenances above the bedding and haunching material unless the native material is too wet and/or otherwise unsuitable for backfill as determined by the Project Engineer or the Project Inspector. In such case, imported trench backfill material, or other approved material, shall be used and paid for per ton of material supplied, placed and compacted. The Contractor will be required to

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salvage useable materials from the project excavations and mix the useable material with imported trench backfill prior to placing backfill in the trench. The contract price for "Imported Trench Backfill" shall include the disposal of the unsuitable material.