CITY OF Grand Junction COLORADO

Purchasing Division

ADDENDUM NO. 2

DATE: **May 20, 2021**
FROM: **City of Grand Junction Purchasing Division**
TO: **All Offerors**
RE: **G Road Bridge Replacement Project IFB-4914-21-DH**

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to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.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. Q. The subject Bid Schedule requires Xypex Admix C-500 for waterproofing of Class D (Special) concrete. We submit for your review for approved alternate Master Builders Solutions Admixtures US, LLC (formerly BASF Corporation) provides fully equivalent waterproofing admixtures in the MasterLife 300 Series.

A. For this bridge project, the City is going to stay with the Xypex Admix C-500 product per plan.

2. Q. What about material delivery delays due to unusually long lead times, and/or locking in of pricing?

A. Contractor shall submit letters form the manufactures they intend to use for this project of any such unusually long lead times, and/or issues of locking in pricing, with details of estimated delivery dates, and pricing lock in dates, assuming contract signing as per the dates stated in the solicitation documents.

3. Q. What is the latest project start date that the City is willing to accept?

A. Monday, July 19, 2021 is the latest for a construction start date.

4. Q. What about weather delays for paving? Would the Contractor be allowed to finish the paving portion of the project, should weather become a factor?

A. *The City Project Engineer realizes the time of year this project is bidding will result in the paving operation being completed later in the year with the possibility the asphalt plants could be shut down for the season when the bridge project is ready to pave G Road. The Project Engineer realizes a winter shutdown may be needed for the asphalt paving operations, as well as for the landscaping and irrigation installation. If asphalt isn't available when the project is ready to pave, then the City and Contractor will have to decide on some sort of temporary*

roadway surface (cold-mix asphalt or asphalt millings) to serve as the temporary surface until asphalt plants open back up. If needed, a change order will be developed for the winter shutdown and for the temporary roadway surface.

5. Q. Water line is per Ute Specs. Ute water doesn't spec epoxy only DI fittings, just domestic. Bid schedule has all epoxy DI fittings. Please clarify if we are to bid all domestic or all epoxy domestic, as lead times will be different.

A. *All new waterline fittings shall be domestic fittings per Ute Water specifications. Please use the updated bid schedule included with Addendum #2.*

6. Q. Can corrugated HDPE be used as an alternate for the 30" RCP/FES?

A. *The 30" storm pipe and flared end section between stationing 0+48 to 1+08 shall remain as RCP. This is because the Project Engineer wants the flared end section to remain concrete for the reasons of ditch maintenance and the possibility of ditch burning. The 30" storm pipe between stationing 1+08 to 4+02 can be either Class II RCP or 30" Corrugated HDPE ADS N-12 Dual Wall, Watertight (WTIB) pipe. Line item #8, 30" Storm Drain Pipe, has been updated to reflect this approval to use 30" corrugated HDPE.*

7. Q. Item #106 Link Seal. Can you specify where this item is located in the plans?

A. *Link Seal is called out in the Base Slab Details (Sheet B11) within the bridge plans. The Link Seal is to be used on the pipe penetrations for the bike path pumping system sump pit.*

8. Q. Item #108 Geo sep. Can you clarify if this is to be woven or non-woven fabric, detail on page #41 doesn't clarify?

A. *A Class 1 woven separation fabric shall be used for the backfill of North Leach Creek.*

9. Q. Item #130 trench drain. Bid schedule has 29 ft but detail page #61 says 14ft, meaning 2 runs of 14ft?? Making it 28ft? Also on page #61 trench drain outlet says 6" but all piping is 4"? And c/o is 4" but says 6" brass cover?

A. *The bid quantity has been changed to 28 ft. Sheet C08 has been updated with the corrections and is included with Addendum #2.*

10. Q. Item #186 2" DR26.5 HDPE - Will a different DR rating like DR17 or DR11 be acceptable for stock purposes, DR26.5 not in stock?

A. *A 2" DR-17 IPS HDPE pipe will be an acceptable substitute. See updated Addendum #2 Bid Schedule.*

11. Q. Do you want bell restraints for the 10" SDR35 pipe inside the steel casing?

A. *Yes, restrained casing spacers shall be used on pipe joints within the steel casing pipe. Refer to City Standard Detail GU-07.*

12. Q. It states in the specifications that the existing bridge demolition cannot proceed until Charter & Century Link utility relocations are complete. Who is responsible for traffic control if the road closure is not in place for utility relocations?

A. *Bridge demolition can't start until the existing waterline, the existing gas lines, and the existing communication lines that are attached to the current bridge have been abandoned. The City's Contractor will be responsible for traffic control for any utility relocations that happen after Notice to Proceed has been issued. The City's Contractor is responsible for the trenching and backfill of the joint utility trench with Charter and Century Link. Charter and Century Link will provide and install their conduits. Since Century Link and Charter are relying on the City's Contractor to provide the trenching, these two utility companies relocation can't start until the City's Contractor gets started on the trenching. The City recommends that the Project start with the trenching needed for Century Link and Charter so these two utility companies can get started with their relocation.*

   The current plan is for Xcel Energy to provide their own traffic control for their gas line relocations in 24 Road and in the 24 and G Road intersection. There's a chance Xcel Energy may have their gas line relocations completed prior to the bridge project starting, but if Xcel doesn't have their gas line relocations completed, Xcel's traffic control will have to coordinate with the bridge Contractor's traffic control company.

13. Q. Due to the potential utility relocation delays, can contract time begin on or about September 1, 2021 once all outside utilities are complete with the exception of contractor trenching/installation responsibilities for the utility companies?

A. *The Contract time will start as stated in the Notice to Proceed. If a utility company is delaying the project and the delay is out of the control of the City's Contractor, the Contractor shall notify the City Project Engineer immediately and the City will consider a change order for additional calendar days to be added to the Contract.*

14. Q. Due to Leach Creek being primarily fed by the Grand Valley Canal irrigation water, and due to the 180 calendar day schedule, would it not be more cost effective and beneficial to the City of Grand Junction to begin the demo/road closure on or about September 1, 2021? This would also allow the utility companies ample time to complete their relocation work, the water flows within Leach Creek to subside and potentially not impact the need and associated costs for a cold patch and contract time extension in the winter or 2022.

A. *With irrigation water being present in both the Grand Valley Water Users Association canal and the Grand Valley Irrigation Company's canals until the end of October, the City doesn't foresee less flow in North Leach Creek around September 1st. The flows in North Leach Creek should remain somewhat consistent from July to the end of October. The City doesn't believe it would be more cost effective and/or beneficial to delay the project based on flows in North Leach Creek.*

15. Q. Contractor acknowledges that some incidental items can begin along with the utility relocations, however, the major project items such as bridge demolition, earthwork and concrete placement, per the specs, cannot begin until the relocations are complete. Can the 180 calendar days begin once utility relocations are complete?

A. *No, the 180 Calendar Days begins on the date stated in the City's Notice to Proceed.*

16. Q. Due to the unstable market for steel and other material costs, and due to the fact that the suppliers will not guarantee pricing, is the City of Grand Junction going to make an exception for cost increases that are outside the Contractor's control?

A. *Contractor shall submit letters form the manufactures they intend to use for this project of any such unusually long lead times, and/or issues of locking in pricing, with details of estimated delivery dates, and pricing lock in dates, assuming contract signing as per the dates stated in the solicitation documents.*

17. Q. RockSol's geo investigation, section 12.0 states that a lightweight roller should be used for the compaction of the number 57 aggregate. What is the maximum weight of the compaction equipment that should be used?

A. *A lightweight compactor, such as a plate compactor, can be used to assure consistent placement and consolidation of the #57 aggregate.*

18. Q. There is no compaction percentage or moisture requirement for the number 57 aggregate. What is the required compaction percentage and moisture content for the number 57 aggregate?

A. *There is no compaction specification or moisture specification for #57 aggregate. Uniform placement to assure no void areas in the backfill and that the aggregate is consolidated is expected.*

19. Issued with this Addendum #2 is an updated Bid Schedule that shall be used for submitting a Bid.

20. Sheets C08 (page #61) and C09 (page #62) within the bridge's civil plan section have been updated and are included with this Addendum #2.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,

Duane Hoff Jr., Senior Buyer
City of Grand Junction, Colorado

Bid Schedule: G Road Bridge Replacement Project
ADDENDUM #2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	Water Main (6") (C-900 PVC, DR-18)	30.	Lin. Ft.	$ _____	$ _____
2	108.2	Water Main (8") (C-900 PVC, DR-18) (Includes cost of MJ Solid Sleeve Coupling with Restraints or Engineer Approved Equal for connection into existing pipe)	1,640.	Lin. Ft.	$ _____	$ _____
3	108.2	Water Main (8") (C-900 PVC, DR-18) (Restrained) (RieborLok Restrained Gasket Assembly) (Station 0+03 to 1+56 & Station 17+83 to 18+43)	215.	Lin. Ft.	$ _____	$ _____
4	108.2	Water Main (10") (C-900 PVC, DR-18) (Includes cost of MJ Solid Sleeve Coupling with Restraints or Engineer Approved Equal for connection into existing pipe)	20.	Lin. Ft.	$ _____	$ _____
5	108.2	10" Gravity Sewer Pipe (SDR-35 PVC) (Includes cost of connection to existing sewer pipe)	370.	Lin. Ft.	$ _____	$ _____
6	108.2	12" Storm Drain Pipe (SDR-35 PVC or PIP) (Includes cost to core into the existing storm drain inlet box and the cost of connection)	107.	Lin. Ft.	$ _____	$ _____
7	108.2	18" Storm Drain Pipe (Corrugated HDPE)	101.	Lin. Ft.	$ _____	$ _____
8	108.2	30" Storm Drain Pipe (RCP, Class II or Corrugated HDPE) (Class II RCP shall be used from Station 0+48 to 1+08) (See Addendum #2)	365.	Lin. Ft.	$ _____	$ _____
9	108.2	30" Culvert End Section (Flared RCP)	1.	Each	$ _____	$ _____
10	108.2	Imported Trench Backfill (Class 3) (Including haul and disposal of unsuitable excavated material) (Assumed Unit Weight = 133 lbs/cu.ft.)	2,500.	Ton	$ _____	$ _____
11	108.3	Gate Valve (6") (MJ)	1.	Each	$ _____	$ _____
12	108.3	Gate Valve (8") (MJ)	1.	Each	$ _____	$ _____
13	108.3	Gate Valve (10") (MJ)	2.	Each	$ _____	$ _____
14	108.3	Tee (8" x 4") (MJ x FL) (For use in Air Release Valve Assembly)	2.	Each	$ _____	$ _____
15	108.3	Tee (8" x 6") (MJ x FL)	1.	Each	$ _____	$ _____
16	108.3	Tee (10" x 8") (FL)	1.	Each	$ _____	$ _____
17	108.3	Elbow (8" x 45 deg) (MJ)	8.	Each	$ _____	$ _____
18	108.3	Blind Flange (8") (Includes Concrete Thurstblock) (To be used in 24 & G Road Intersection to abandon existing water pipe)	1.	Each	$ _____	$ _____

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Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
19	108.3	30" End Cap/Plug (For Use on RCP Storm Pipe)	1.	Each	$ _____	$ _____
20	108.3	Fire Hydrant Assembly	1.	Each	$ _____	$ _____
21	108.4	Water Service Line (3/4") (Type K Copper) (Includes cost of connection to existing drinking fountain assembly at park shelter)	260.	Lin. Ft.	$ _____	$ _____
22	108.4	Tapping Saddle (8" x 3/4")	3.	Each	$ _____	$ _____
23	108.4	Corporation Stop (3/4")	3.	Each	$ _____	$ _____
24	108.4	3/4" Meter Setter (Install Only) (Ute Water will provide Compression Connection, Meter Yoke, and FIP Outlet Connection per Ute Water Domestic Service Detail)	2.	Each	$ _____	$ _____
25	108.4	Meter Pit (Install Only) (Ute Water will provide new Meter Pit and Cast Iron Cone with Frost Lid per Ute Water Domestic Service Detail)	2.	Each	$ _____	$ _____
26	108.4	Air Release Valve Assembly (Assembly includes: 4" x 2" Companion Flange, 2" Nipple, 2" Ball Valve, 2" x 1" Bushing, and 1" Val-Matic 201C.2 Combo Air Valve per Ute Water's Std. Air Release Valve Detail)	2.	Each	$ _____	$ _____
27	108.5	Air Release Vault Assembly (Assembly includes: 48" I.D. Vault, 8" Thick x 8' Long x 8" Wide Grade Beams, 4" SCH. 40 Welded Steel Air Vent Pipe with Mesh Screen, 30" Manhole Cover with Frost Lid, and painted vent pipe per Ute Water's Std. Air Release Valve Detail)	2.	Each	$ _____	$ _____
28	108.5	Sanitary Sewer Basic Manhole (48" I.D.) (Includes Manhole Waterproofing, HDPE grade rings, MH-310-24 CI covers, and concrete collars in unpaved areas per City Std. Detail SS-05)	2.	Each	$ _____	$ _____
29	108.5	Sanitary Sewer Basic Drop Manhole (48" I.D.) (Includes Manhole Waterproofing and Manhole Corrosion Protection as per Section 102.11, HDPE grade rings, MH-310-24 CI covers, and concrete collars in unpaved areas per City Std. Detail SS-05) (See Special Provision for Manhole Corrosion Protection)	1.	Each	$ _____	$ _____
30	108.5	Sanitary Sewer Basic Manhole (48" I.D.) (Cast-in-Place Base Manhole) (Existing Sewer Pipe is 12" PVC Pipe) (24 Road) (Includes Manhole Waterproofing, HDPE grade rings, and MH-310-24 CI cover) (See City Std. Detail SS-02)	1.	Each	$ _____	$ _____

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Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
31	108.5	Storm Sewer Basic Manhole (48" I.D.) (Includes Manhole Waterproofing)	1.	Each	$ _____	$ _____
32	108.5	Storm Sewer Basic Manhole (60" I.D.) (Includes Manhole Waterproofing)	4.	Each	$ _____	$ _____
33	108.5	Manhole Barrel Section (D>5') (48" I.D.) (Includes Manhole Waterproofing)	17.	Vert. Ft.	$ _____	$ _____
34	108.5	Drop Manhole Barrel Section (D>5') (48" I.D.) (Includes Manhole Waterproofing and Manhole Corrosion Protection)	8.	Vert. Ft.	$ _____	$ _____
35	108.5	Manhole Barrel Section (D>5') (60" I.D.) (Includes Manhole Waterproofing)	10.	Vert. Ft.	$ _____	$ _____
36	108.6	Double Storm Drain Inlet (Concrete Box Only) (No Frame & Grate Assembly) (Includes steel plate with dimensions equal to or greater than 78" long x 30" wide x 5/8" thick)	2.	Each	$ _____	$ _____
37	108.7	Granular Stabilization Material (Type B) (18" Thick Min.) (Includes haul and disposal of unsuitable excavated material) (Assumed Unit Weight = 136 lbs/cu.ft.)	600.	Ton	$ _____	$ _____
38	202	Clearing and Grubbing (Includes Trees, Bushes, and Sod Removal)	1.	Lump Sum	$ _____	$ _____
39	202	Removal of Bridge	1.	Lump Sum	$ _____	$ _____
40	202	Removal of Sign	3.	Each	$ _____	$ _____
41	202	Removal of Steel Posts	14.	Each	$ _____	$ _____
42	202	Removal of Manhole (Storm & Sewer)	3.	Each	$ _____	$ _____
43	202	Removal of Storm Inlet	1.	Each	$ _____	$ _____
44	202	Removal of Concrete Irrigation Ditch	2,150.	Lin. Ft.	$ _____	$ _____
45	202	Removal of Water Service	1.	Each	$ _____	$ _____
46	202	Removal of Water Valve	2.	Each	$ _____	$ _____
47	202	Removal of Pipe (Sewer, Water, Storm) (Various Pipe Materials)	1,100.	Lin. Ft.	$ _____	$ _____
48	202	Removal of Abandoned Utilities and Conduits (Includes abandoned gas, power, and communication utilities and utility boxes)	1,000.	Lin. Ft.	$ _____	$ _____
49	202	Removal of Concrete (Includes, but not limited to, curb, gutter, sidewalk, driveway, slabs, V-pans, curb ramps, intersection corners, aprons, landscape borders, and concrete walls)	400.	Sq. Yd.	$ _____	$ _____

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Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
50	202	Abandon Pipe (Abandon pipe by plugging ends with concrete)	6.	Each	$ _____	$ _____
51	202	Removal of Asphalt Mat (Full Depth) (6" Thick)	2,515.	Sq. Yd.	$ _____	$ _____
52	202	Removal of Fence	1,300.	Lin. Ft.	$ _____	$ _____
53	202	Abandon Well (Monitoring Wells) (Use Flowable Grout to Abandon Well Pipe)	3.	Each	$ _____	$ _____
54	203	Unclassifed Excavation (Channel Grading) (Complete in Place)	2,500.	Cu. Yd.	$ _____	$ _____
55	203	Muck Excavation (North Leach Creek)	3,250.	Cu. Yd.	$ _____	$ _____
56	203	Compaction (AASHTO T 99)	136.	Cu. Yd.	$ _____	$ _____
57	203	Potholing (As deemed necessary)	10.	Each	$ _____	$ _____
58	206	Structure Excavation	6,828.	Cu. Yd.	$ _____	$ _____
59	206	Structure Backfill (Class 1)	3,364.	Cu. Yd.	$ _____	$ _____
60	206	Structure Backfill (Class 2)	236.	Cu. Yd.	$ _____	$ _____
61	206	Structure Backfill (Flow-Fill)	50.	Cu. Yd.	$ _____	$ _____
62	206	Mechanical Reinforcement of Soil	2,991.	Cu. Yd.	$ _____	$ _____
63	206	Filter Material (Class B)	68.	Cu. Yd.	$ _____	$ _____
64	206	Filter Material (Class C)	174.	Cu. Yd.	$ _____	$ _____
65	207	Topsoil	452.	Cu. Yd.	$ _____	$ _____
66	207	Stockpile Topsoil	452.	Cu. Yd.	$ _____	$ _____
67	207	Wetland Topsoil (North Leach Creek)	260.	Cu. Yd.	$ _____	$ _____
68	208	Pre-Fabricated Concrete Washout Structure	1.	Each	$ _____	$ _____
69	208	Erosion Log (12 Inch)	1,000.	Lin. Ft.	$ _____	$ _____
70	208	Pre-Fabricated Vehicle Tracking Pad	1.	Each	$ _____	$ _____
71	208	Storm Drain Inlet Protection (Type 2)	5.	Each	$ _____	$ _____
72	208	Erosion Control Management (Working Days)	130.	Day	$ _____	$ _____
73	211	Dewatering (Includes aquiring a CDPHE Dewatering Permit and adhereing to the discharge requirements of the State Permit)	1.	Lump Sum	$ _____	$ _____
74	212	Seeding (Wetlands) (See Wetlands Revegetation Plans)	0.1	Acre	$ _____	$ _____

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Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
75	212	Sod (Includes Soil Preparation)	1,750.	Sq. Ft.	$ _____	$ _____
76	212	Soil Amendment	17,050.	Sq. Ft.	$ _____	$ _____
77	213	1-1/2 Inch Tan Granite Mulch (3" Thick)	14,400.	Sq. Ft.	$ _____	$ _____
78	213	Red Crushed Granite (3" Thick)	900.	Sq. Ft.	$ _____	$ _____
79	213	Concrete Edger (6" Wide x 4" Thick)	125.	Lin. Ft.	$ _____	$ _____
80	213	Landscape Boulder	29.	Each	$ _____	$ _____
81	214	Temporary Irrigation	1.	Lump Sum	$ _____	$ _____
82	214	Deciduous Tree (1 Inch Caliper) (Rio Grande Cottonwood) (See Wetlands Revegetation Plans)	14.	Each	$ _____	$ _____
83	214	Deciduous Tree (2 Inch Caliper)	9.	Each	$ _____	$ _____
84	214	Deciduous Shrub (1 Gallon Container)	17.	Each	$ _____	$ _____
85	214	Deciduous Shrub (5 Gallon Container)	92.	Each	$ _____	$ _____
86	214	Deciduous Shrub (5 Gallon Container) (Coyote Willow) (See Wetlands Revegetation Plans)	50.	Each	$ _____	$ _____
87	214	Nursery Stock Deep Rooted Container (DRC #10) (Baltic Rush, Beaked Sedge) (See Wetlands Revegetation Plans)	640.	Each	$ _____	$ _____
88	214	Nursery Stock Deep Rooted Container (DRC #60) (Maritime Bulrush) (See Wetlands Revegetation Plans)	1,700.	Each	$ _____	$ _____
89	214	Evergreen Tree (Pine) (6 Foot) (Ball and Burlap)	4.	Each	$ _____	$ _____
90	214	Evergreen Tree (Juniper) (6 Foot) (Container)	4.	Each	$ _____	$ _____
91	214	Evergreen Shrub (5 Gallon Container)	18.	Each	$ _____	$ _____
92	214	Perennials (1 Gallon Container)	76.	Each	$ _____	$ _____
93	214	Ornamental Grasses (1 Gallon Container)	25.	Each	$ _____	$ _____
94	214	Vines (5 Gallon Container)	3.	Each	$ _____	$ _____
95	216	Soil Retention Blanket (Straw/Coconut) (BioNet SC150BN Erosion Control Blanket or Engineer Approved Equal)	210.	Sq. Yd.	$ _____	$ _____
96	304	Aggregate Base Course (Class 2)	3,864.	Cu. Yd.	$ _____	$ _____

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Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
97	304	Aggregate Base Course (Class 6) (8" Thick) (Pedestrian Pathway outside the limits of the Drydock System and Concrete Sidewalk at Park Shelter)	355.	Sq. Yd.	$ _____	$ _____
98	304	Aggregate Base Course (Class 6) (12" Thick) (G Road)	2,160.	Sq. Yd.	$ _____	$ _____
99	304	Aggregate Base Course (Class 6) (18" Thick) (24 Road)	141.	Sq. Yd.	$ _____	$ _____
100	304	Aggregate Base Course (CDOT No. 57 Concrete Aggregate)	1,656.	Cu. Yd.	$ _____	$ _____
101	304	Washed Rock Surface Course (Type A Pipe Bedding) (2" - 3" Thick) (30' Wide) (Surface treatment along new utility corridor)	800.	Sq. Yd.	$ _____	$ _____
102	401	Hot Bituminous Pavement (Patching) (G Road) (4" Thick) (Grading SX, PG 64-22) (GYR.=75) (Two 2" Lifts)	2,250.	Sq. Yd.	$ _____	$ _____
103	401	Hot Bituminous Pavement (Patching) (24 Road) (6" Thick) (Grading SX, PG 64-22) (GYR.=75) (Three 2" Lifts) **(T-Top)**	150.	Sq. Yd.	$ _____	$ _____
104	401	Cold-Mix Asphalt Patching (Temporary Patching) (3" Thick) (As deemed necessary)	100.	Sq. Yd.	$ _____	$ _____
105	407	Emulsified Asphalt (Tack Coat)	270.	Gallon	$ _____	$ _____
106	408	Link Seal	4.	Each	$ _____	$ _____
107	420	Geotextile (Drainage) (Class 1) (Nonwoven) (Geotextile is to be used with the channel riprap protection detail)	611.	Sq. Yd.	$ _____	$ _____
108	420	Geotextile (Separator) (Class 1) (Woven) (Geotextile is to be used for the backfill of North Leach Creek Backfill) (See Backfill Detail)	7,134.	Sq. Yd.	$ _____	$ _____
109	502	Pile Tip	91.	Each	$ _____	$ _____
110	502	Steel Piling (HP 12x53)	4,832.	Lin. Ft.	$ _____	$ _____
111	504	Precast Concrete Block Retaining Wall System (Redi-Rock Ledgestone or Approved Equal) (Color = Sandstone) (Includes Cap Stone, Perforated Drain Pipe, Leveling Pad, excavation, and backfill per details)	452.	Facial Sq. Ft.	$ _____	$ _____
112	506	Riprap (9 Inch)	355.	Cu. Yd.	$ _____	$ _____
113	506	Riprap (12 Inch)	123.	Cu. Yd.	$ _____	$ _____
114	509	Sump Access Hatch	1.	Each	$ _____	$ _____

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115	509	Vine Trellis (Includes painting & concrete footers per detail)	3.	Each	$ _____	$ _____
116	514	Pedestrian Safety Railing (Steel) (See Landscape Plans for Railing Details)	279.	Lin. Ft.	$ _____	$ _____
117	514	Handrailing (Steel) (Pathway Railing) (See Landscape Plans for Pathway Railing Details)	379.	Lin. Ft.	$ _____	$ _____
118	515	Waterproofing (Membrane)	617.	Sq. Yd.	$ _____	$ _____
119	517	Waterproofing (Asphalt)	434.	Sq. Yd.	$ _____	$ _____
120	518	Waterstop (Special)	710.	Lin. Ft.	$ _____	$ _____
121	518	Waterstop (6 Inch)	149.	Lin. Ft.	$ _____	$ _____
122	601	Sump Access Precast Riser	1.	Each	$ _____	$ _____
123	601	Concrete Class D (Special) (Includes Xypex Admix C-500 Waterproofing)	537.	Cu. Yd.	$ _____	$ _____
124	601	Concrete Class D (Bridge)	305.	Cu. Yd.	$ _____	$ _____
125	601	Structural Concrete Coating	6,748.	Sq. Ft.	$ _____	$ _____
126	601	Structural Concrete Coating (Anti-Graffiti)	6,748.	Sq. Ft.	$ _____	$ _____
127	601	Aspen Tree Artwork Concrete Foundations (Includes 4.5" dia. SCH. 40 Steel Pipe Slip Pole, 3,000 psi Concrete, Rebar Reinforcement, and Welded Slip Pole Ties) (City will install Aspen Tree Artwork into completed foundations)	12.	Each	$ _____	$ _____
128	602	Reinforcing Steel	86,639.	Pound	$ _____	$ _____
129	602	Reinforcing Steel (Epoxy Coated)	48,974.	Pound	$ _____	$ _____
130	604	Inlet Special (Trench Drain TD-1) (6 Inch Width) (Includes Pipe Fittings) (See Trail Drain Details)	28.	Lin. Ft.	$ _____	$ _____
131	604	Clean-Out Assembly (CO-1) (Includes all necessary pipe fittings) (See Trail Drain Details)	1.	Each	$ _____	$ _____
132	607	Barrier Fence (48" High) (Inlcudes all fencing, posts, end posts, ties, and concrete per CDOT M Standard M-607-3)	975.	Lin. Ft.	$ _____	$ _____
133	607	Fencing (Plastic) (Temporary Construction Fencing)	475.	Lin. Ft.	$ _____	$ _____
134	607	Tree Protection Zone Fencing (Includes Fencing and Signage per Details)	5.	Each	$ _____	$ _____

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Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
135	608	Concrete Sidewalk (6" Thick) (14' Wide) (Bridge Drydock System) (See Bridge Plans) (Includes Concrete Jointing & Concrete Joint Sealant)	523.	Sq. Yd.	$ _____	$ _____
136	608	Concrete Sidewalk (6" Thick) (12' Wide) (Sidewalk outside the limits of the Drydock System) (Includes Concrete Jointing & Concrete Joint Sealant)	315.	Sq. Yd.	$ _____	$ _____
137	608	Cap Top Half of Pipe in Concrete per City Std. Detail GU-04 (20' long)	3.	Each	$ _____	$ _____
138	608	Concrete Drainage Pan (2' Wide) (Includes Steel Reinforcement) (Includes Concrete Jointing & Concrete Joint Sealant)	11.	Sq. Yd.	$ _____	$ _____
139	608	Concrete Sidewalk (4" Thick) (Concrete at Canyon View Park Shelter)	8.	Sq. Yd.	$ _____	$ _____
140	608	Concrete Curb & Gutter (2'-6" Wide) (24 Road) (Match in Kind)	40.	Lin. Ft.	$ _____	$ _____
141	613	4 Inch Electrical Conduit (Plastic) (SCH-80) (For use on Xcel Energy's buried electric)	210.	Lin. Ft.	$ _____	$ _____
142	613	2 Inch Electrical Conduit (Plastic)	1,318.	Lin. Ft.	$ _____	$ _____
143	613	2 Inch Broadband Conduit (Plastic) (SCH-80) (Includes 10 gauge tracer wire and pull rope placed inside of conduit)	277.	Lin. Ft.	$ _____	$ _____
144	613	1 Inch Electrical Conduit (Plastic)	354.	Lin. Ft.	$ _____	$ _____
145	613	3/4 Inch Electrical Conduit (GRC)	10.	Lin. Ft.	$ _____	$ _____
146	613	4" Plastic Sweep Elbows (SCH-80) (For use on Xcel Energy's buried electric)	4.	Each	$ _____	$ _____
147	613	2" Plastic Sweep Elbows (SCH-80) (Broadband) (For use on City's broadband conduit)	4.	Each	$ _____	$ _____
148	613	Type One Pull Box	22.	Each	$ _____	$ _____
149	613	Broadband Pull Box (30" x 48" x 24") (3048 Polymer Concrete Series - Tier 22) (Split Lid) (Includes 2-3 inch thick of Pea Gravel placed within bottom of box)	1.	Each	$ _____	$ _____
150	613	Wiring	1.	Lump Sum	$ _____	$ _____
151	613	Light Standard and Luminaire (Pedestrian "SA")	14.	Each	$ _____	$ _____
152	613	Light Standard Foundation (Special)	14.	Each	$ _____	$ _____
153	613	Light Standard and Luminaire (Tunnel "SB")	1.	Each	$ _____	$ _____

Bid Schedule: G Road Bridge Replacement Project
ADDENDUM #2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
154	613	Lighting Control Center (Special)	1.	Each	$ _____	$ _____
155	618	Prestressed Concrete Slab (Depth Greater than 13 Inches)	4,779.	Sq. Ft.	$ _____	$ _____
156	619	3 Inch SCH-40 Steel Pipe (Air Vent Pipe) (Includes welding, pipe fittings, pipe gooseneck fitting with #24 stainless steel mesh screen cap and vent pipe painted Dunes Tan) (See Trail Drain Details)	14.	Lin. Ft.	$ _____	$ _____
157	619	20" Steel Casing Pipe (Open Trench Installation) (1/4" Thick)	50.	Lin. Ft.	$ _____	$ _____
158	619	20" x 10" Casing Pipe End Caps	2.	Each	$ _____	$ _____
159	619	Cascade Waterworks Casing Spacers and Restrained Casing Spacers or Engineer Approved Equal (6-foot support spacing) (See City Std. Detail GU-07)	8.	Each	$ _____	$ _____
160	620	Portable Sanitary Facility	1.	Each	$ _____	$ _____
161	623	4 Inch PVC Irrigation Sleeve	180.	Lin. Ft.	$ _____	$ _____
162	623	1-1/2 Inch Irrigation Sleeve	107.	Lin. Ft.	$ _____	$ _____
163	623	Power Source Wire	25.	Lin. Ft.	$ _____	$ _____
164	623	Irrigation Controller	1.	Each	$ _____	$ _____
165	623	3 Inch HDPE Mainline	460.	Lin. Ft.	$ _____	$ _____
166	623	Manual Drain Valve	1.	Each	$ _____	$ _____
167	623	3/4 Inch Quick Coupler Valve	2.	Each	$ _____	$ _____
168	623	1 inch Automatic Control Valve	1.	Each	$ _____	$ _____
169	623	1-1/2 Inch Automatic Control Valve	2.	Each	$ _____	$ _____
170	623	2-wire Control Wire	325.	Lin. Ft.	$ _____	$ _____
171	623	2-wire Control (Includes Decoders & Valve)	1.	Lump Sum	$ _____	$ _____
172	623	Grounding LSLP Surge Protector	1.	Each	$ _____	$ _____
173	623	Jumbo Valve Box	2.	Each	$ _____	$ _____
174	623	Isolation Valves	2.	Each	$ _____	$ _____
175	623	1 inch PVC Lateral Pipe	450.	Lin. Ft.	$ _____	$ _____
176	623	1-1/2 Inch PVC Lateral Pipe	155.	Lin. Ft.	$ _____	$ _____
177	623	4 Inch Pop-Up Spray Sprinkler w/ Nozzle	10.	Each	$ _____	$ _____

Bid Schedule: G Road Bridge Replacement Project
ADDENDUM #2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
178	623	Riser Assembly to Compression Tee (Not Including Tree Rings)	8.	Each	$ _____	$ _____
179	623	1/2" Drip Distribution Tubing	2,129.	Lin. Ft.	$ _____	$ _____
180	623	Drip Emitter (Includes 1/4" distribution tubing)	610.	Each	$ _____	$ _____
181	623	Tree Ring Assembly	18.	Each	$ _____	$ _____
182	623	1/2 Inch Flush Box Assembly	5.	Each	$ _____	$ _____
183	623	Adjust Existing Lawn Area Irrigation (Lawn Area West of Handball Court)	1.	Lump Sum	$ _____	$ _____
184	624	4 Inch Plastic Pipe (SCH-40 PVC) (Includes Pipe Fittings) (See Trail Drain Details)	152.	Lin. Ft.	$ _____	$ _____
185	624	4 Inch Plastic Pipe (Perforated) (SDR-35 PVC) (Includes Pipe Fittings) (See Trail Drain Details)	20.	Lin. Ft.	$ _____	$ _____
186	624	2 Inch DR-17 IPS HDPE Pipe (Includes Pipe Fittings) (See Trail Drain Details)	200.	Lin. Ft.	$ _____	$ _____
187	625	Construction Surveying (Includes As-Built Drawings)	1.	Lump Sum	$ _____	$ _____
188	626	Mobilization	1.	Lump Sum	$ _____	$ _____
189	627	Epoxy Pavement Marking	6.	Gallon	$ _____	$ _____

Bid Schedule: G Road Bridge Replacement Project
ADDENDUM #2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
190	627	Preformed Thermoplastic Pavement Marking (Left Turn Arrow)	160.	Sq. Ft.	$ _____	$ _____
191	627	Preformed Thermoplastic Pavement Marking (Xwalk - Stop Line)	268.	Sq. Ft.	$ _____	$ _____
192	629	Survey Monument (Complete in Place)	1.	Each	$ _____	$ _____
193	630	Traffic Control Plan	1.	Lump Sum	$ _____	$ _____
194	630	Traffic Control (Complete in Place)	1.	Lump Sum	$ _____	$ _____
195	630	Portable Message Sign Panel	90.	Day	$ _____	$ _____
196	630	Flagging	800.	Hour	$ _____	$ _____
197	650	Pumping System	1.	Lump Sum	$ _____	$ _____
198	SP	Anti-Seep Collar (4' x 4') (Construct per details shown in the plans)	1.	Each	$ _____	$ _____
199	SP	Bypass Pumping (North Leach Creek) (For Installation of Utilities crossing North Leach Creek) (Contractor responsible for estimating the flows in North Leach Creek & sizing pump) (Includes materials for coffer dam)	1.	Lump Sum	$ _____	$ _____
200	SP	Utility Trenching (Grand Valley Power & Charter) (Contractor shall provide trenching, backfill, and conduit installation for the buried Grand Valley Power and Charter/Spectrum utilities) (Utility Owner's shall provide the necessary conduits and vaults for the City Contractor to install) (Applies from Sta. 40+25 to 49+60)	1,030.	Lin. Ft.	$ _____	$ _____
201	SP	Utility Trenching (Century Link & Charter) (Contractor shall provide trenching and backfill for the Century Link and Charter conduits. Century Link and Charter will supply and install their own conduits)	510.	Lin. Ft.	$ _____	$ _____
202	SP	F/A Furnish & Install Electrical Service **(Do not add to total bid amount)** (Electrical Service for the Pedestrian Lights)	- - - - -	Force Account	$ 12,000.00	- - - - -
203	SP	F/A Sprinklers (At Golden Gate Gas Station) **(Do not add to total bid amount)** (F/A to be used for making sprinkler system repairs in the turf area of Golden Gate gas station as a result of utility relocations)	- - - - -	Force Account	$ 5,000.00	- - - - -
MCR		Minor Contract Revisions	- - -	- - -	- - -	$ 150,000.00

Bid Schedule: G Road Bridge Replacement Project
ADDENDUM #2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price

Bid Amount: **$** _____

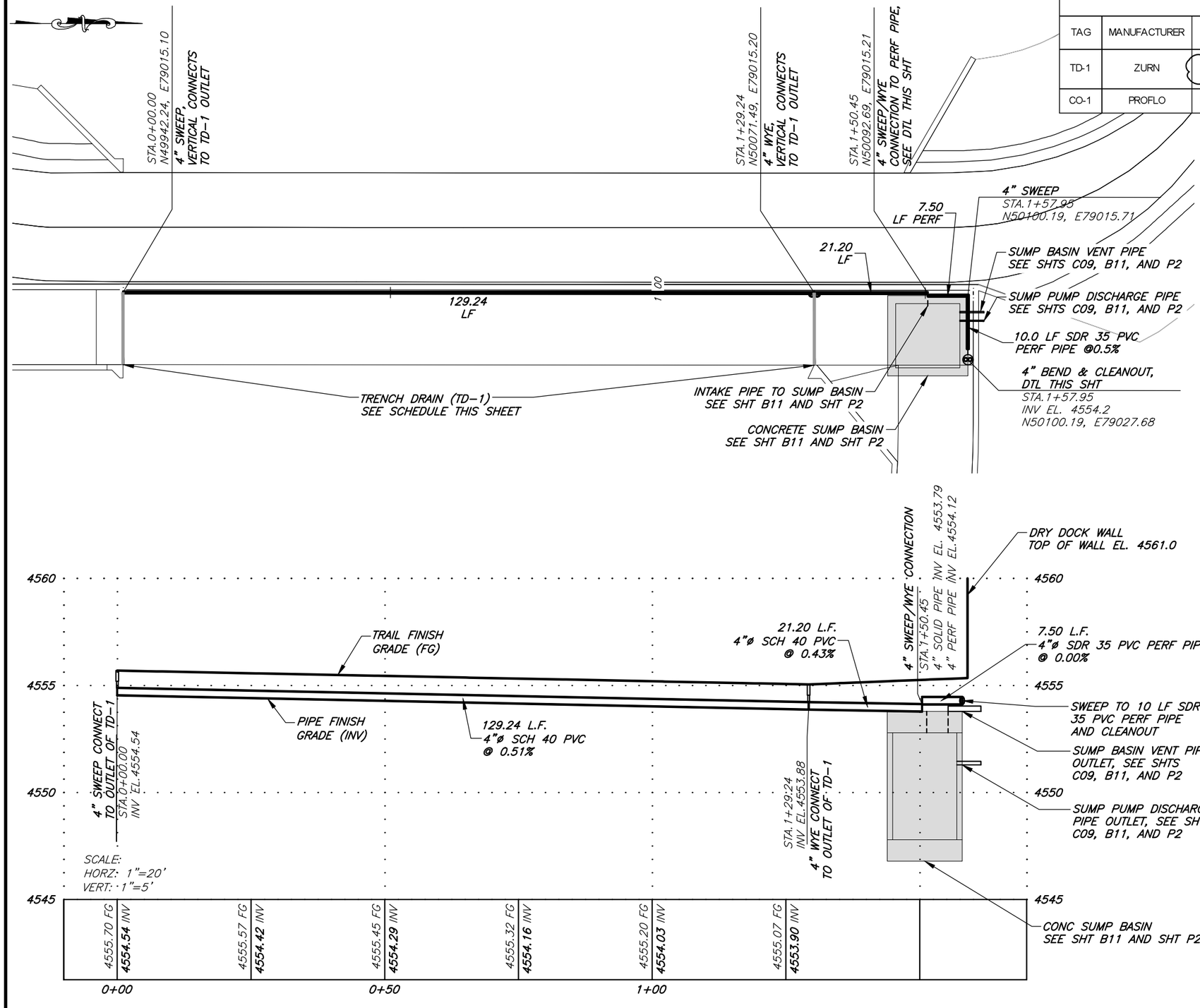
Bid Amount:

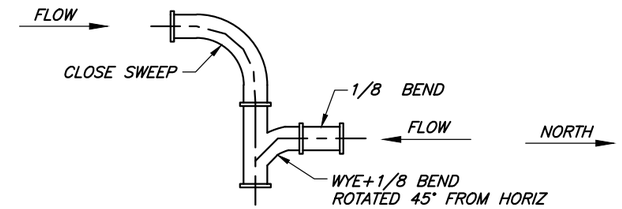
_____ **dollars**

Contractor Name:
Contractor Address:
Contractor Phone #:

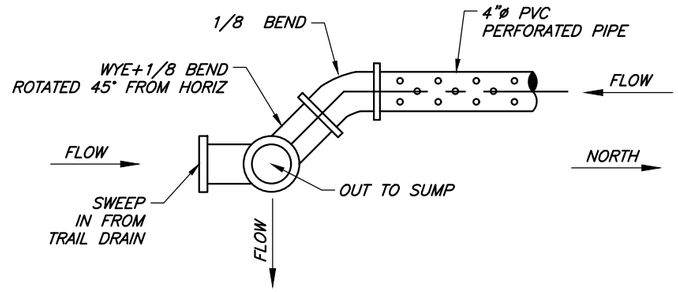
TRENCH DRAIN SYSTEM SCHEDULE

TAG	MANUFACTURER	MODEL	DESCRIPTION	TOTAL LENGTH (FT)
TD-1	ZURN	Z886-U4	6" WIDE REVEAL TRENCH DRAIN SYSTEM WITH D6 LIVE LOAD ROOF SLOTTED WIDE GRATE OR APPROVED EQUIVALENT. 4" NO-HUB BOTTOM OUTLET.	14
CO-1	PROFLO	PF42809	4" ADJUSTABLE PVC HUB FIT CLEANOUT WITH 6 IN. BRASS COVER	--



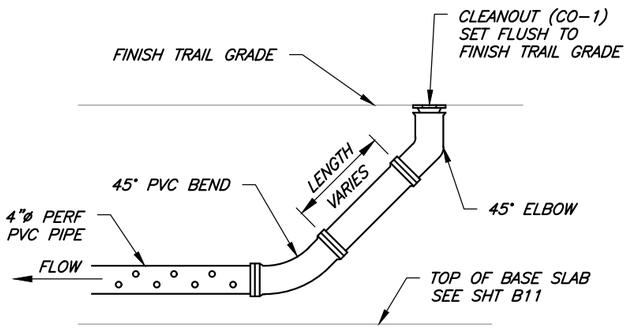


PLAN VIEW



SECTION VIEW

PERFORATED PIPE SWEEP/WYE CONNECTION
NTS



CLEAN-OUT DETAIL (CO)
NTS

NOTE:

- LOCATE DRAIN IN 1" CROSS SLOPE LANDING OF FINISHED TRAIL SURFACE, NOT IN RAMP SECTION

DESCRIPTION	DATE
REVISION 1 Update trench drain model #. KAR	05/18/21
REVISION 2	
REVISION 3	
REVISION 4	

DRAWN BY SMK DATE 4.7.21
DESIGNED BY KAR DATE 4.7.21
CHECKED BY ELK DATE 4.7.21
APPROVED BY ELK DATE 4.7.21

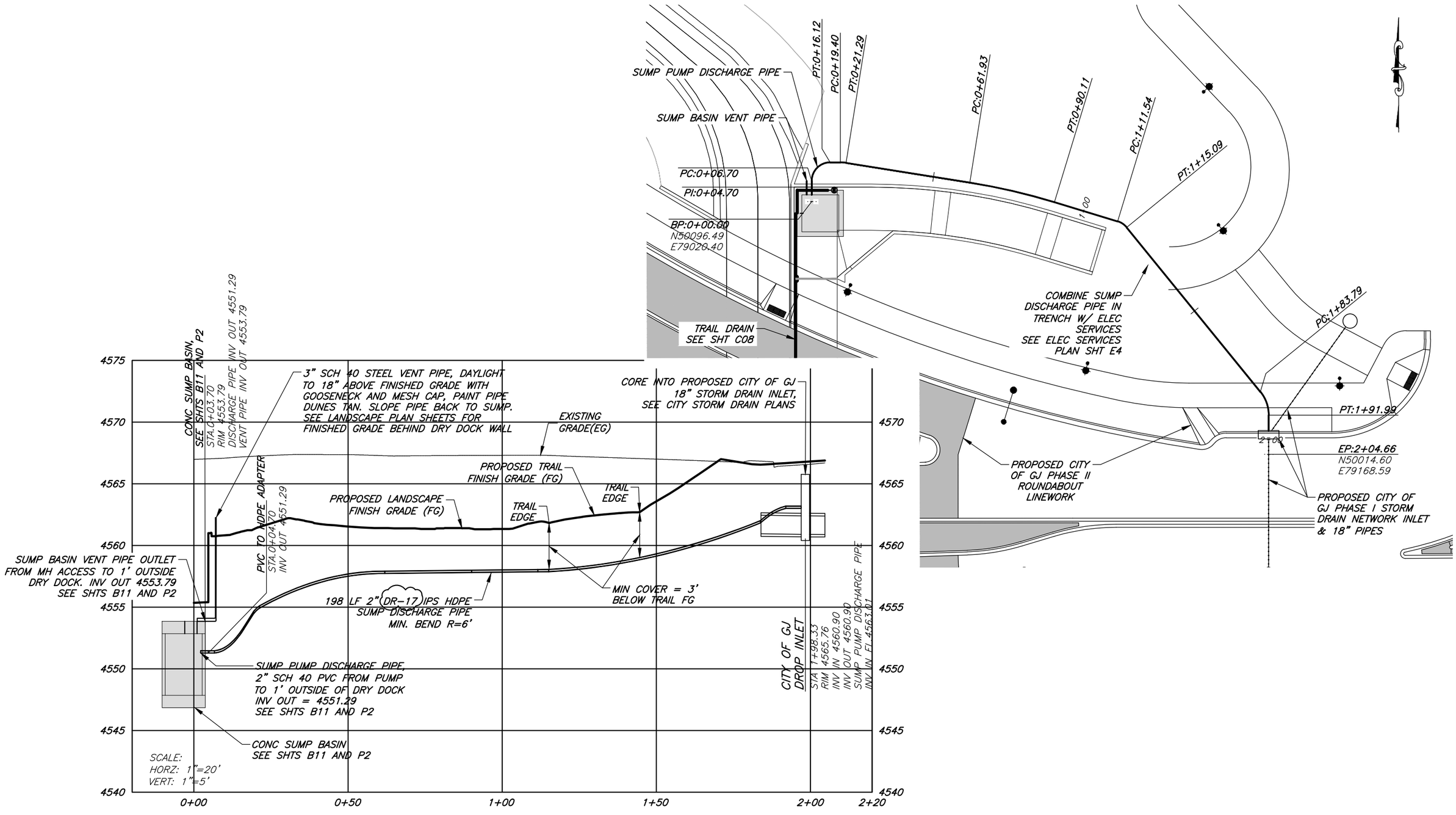
SCALES: PLAN 0 5 10 20

CITY OF Grand Junction COLORADO
SGM
259 Grand Ave, Suite 200
Grand Junction, CO 81506
970.245.2571 www.sgm-inc.com

PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO.SGM: 2020-385.001

G ROAD BRIDGE REPLACEMENT
TRAIL DRAIN
PLAN & PROFILE

C08
61



DESCRIPTION	DATE
REVISION 1 Update HDPE pipe rating. KAR	05/18/21
REVISION 2	
REVISION 3	
REVISION 4	

DRAWN BY SMK DATE 4.7.21
DESIGNED BY KAR DATE 4.7.21
CHECKED BY ELK DATE 4.7.21
APPROVED BY ELK DATE 4.7.21

SCALES:
PLAN
0 7.5 15 30

CITY OF Grand Junction COLORADO
SGM
259 Grand Ave, Suite 200
Grand Junction, CO 81506
970.245.2571 www.sgm-inc.com

PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO.SGM: 2020-385.001

G ROAD BRIDGE REPLACEMENT
SUMP DISCHARGE
PLAN & PROFILE

C09