

# 2020 BUFFALO MOUNTAIN METROPOLITAN DISTRICT SEWER IMPROVEMENTS

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## **Description of Base Bid Items:**

Scope: Bid quantities stated on the Bid Schedule and qualified in the corresponding Bid Item Descriptions "As quantified by Bidder during the bidding process and as written into the Bid Schedule by Bidder", shall be used for reference only. Stated quantities for these items shall be confirmed in the field by each Bidder prior to bidding and differences or discrepancies from those stated quantities shall be noted on the submitted Bid Schedule in the "Bidder's Quantity" column and used for Bidders' totals. Failure to do so shall render the Bid non-responsive and Contractor's Bid shall be disqualified. Owner reserves the right to select final scope as Owner deems appropriate to successfully execute the work required and supports the Owner's budget. All Bid Items shall include the complete cost of equipment, labor, materials, permits, overhead and all other items necessary to achieve satisfactory completion of the project. Any item or like item not specifically addressed as a bid item shall be considered incidental to the project and shall be included in the overall pricing. Descriptions of work as detailed herein are strictly considered a guide and in no way should be interpreted to include all phases of the work necessary to complete the Bid Item. Plans, specifications, depictions, descriptions and quantities shown should only be used as reference to complete the requirements for each task bid.

## **Assumptions for Base Bid:**

**The contractor shall make the following assumptions associated with the project as part of the Bid:**

- 1) All work shall be performed within the existing 20' easements and access shall only be from the access points 1, 2 and 3 as identified on the access plan provided as part of the bid.
  - 2) The BMMD will stake all easements and cut existing vegetation prior to the start of construction. Trees larger than 2" will be cut down and removed, Willows and bushes will be cut down to a height of approximately 1'.
  - 3) Contractor shall strip and stockpile all existing wetland topsoil material and replace in all disturbed areas.
  - 4) Bids are due June 15<sup>th</sup>, 2020, the BMMD Board will meet on June 16<sup>th</sup>, 2020 and will review and approve winning bid at that meeting. Construction may begin no sooner than September 7<sup>th</sup>, 2020.
  - 5) Limited staging is available for the project at this time. Contractor may stage in District Easements that are outside wetland areas.
  - 6) The following is a summary of existing sewer main and manhole to be replaced.
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Buffalo Mountain Sewer Rehab 2020 Project					
<u>Upstream Manhole</u>	<u>Downstream Manhole</u>	<u>Distance From GIS</u>	<u>Distance From DRC</u>	<u>Taps (from Upstream)</u>	<u>Notes</u>
A42	A41	170.03'	N/A	Could not find video	Could not find video
A41	A40	394.64'	399.8	None	None
A40	A38	403.12'	405	None	None
A38	A37	297.94'	N/A	None	None
A37	m36A	231.15'	230.6	83.4', 187.0'	Tap at 83.4" has I+I
m36A	A36	351.44'	347	171.2', 245.6'	
A36	m35B	188.85'	N/A	5'	5' tap has I+I

### **BID ITEMS**

#### **BID ITEM 1 - Mobilization Lump Sum**

As quantified by Bidder during the bidding process and as written into the Bid Schedule by Bidder, this item shall include the total cost to initiate, execute and complete mobilization and demobilization of equipment, manpower, materials, facilities of all kinds, specialty items and any other faculty related to the efficient and complete staffing of the project for the intended purpose as set forth in the Bid. Mobilization shall only be paid if 100% of a Phase is contracted for construction. If less than 100% of a Phase is selected for construction, a pro-rated amount of the Mobilization for that Phase shall be paid. This item shall also include all incidental items as necessary to complete the project including sanitary facilities, staging area, fencing, clean up, reclamation and all other items which are required to complete the improvements. Payment for this item shall be Lump Sum

#### **BID ITEM 2 - Traffic Control Lump Sum**

As quantified by Bidder during the bidding process and as written into the Bid Schedule by Bidder, this item shall include the complete cost to implement a traffic control strategy as required to safely execute the work and protect the public from any and all exposure to construction related harm. The contractor shall submit a traffic control plan for each phase of the work to the District and Summit County Road and Bridge Department for approval prior to issuance of Right Of Way permit. As work progresses, Contractor shall submit weekly traffic control plans which are relevant to that week's production to the District. Traffic control

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devices, flagging, plan and methods of implementation shall adhere to the Manual on Traffic Control Devices (MUTCD) and shall safely separate traffic, both vehicular and pedestrian, from the ongoing work. The plan shall provide access and egress at all times to all areas accessed by the general public and bus traffic. Any daily activity deemed unsafe by the Owner shall be immediately addressed by the Traffic Control Supervisor (TCS) and shall be corrected immediately to eliminate any immediate or perceived hazard. All lanes of traffic and entry shall be completely opened prior to the end of the day's work or 30 minutes before sunset, whichever comes first. Payment for this item shall be Lump Sum

### **BID ITEM 3 – 4' Orange Construction Fence**

As quantified by Bidder during the bidding process and as written into the Bid Schedule by Bidder, this item shall include the complete cost to install, maintain and remove 4' Orange Construction Fence around all easement lines to safely execute the work and protect the public from any and all exposure to construction related harm. All construction work shall be performed within the limits of the fencing and easements. Payment for this item shall be Lump Sum.

### **BID ITEM 4 – Erosion Control**

As quantified by Bidder during the bidding process and as written in the Bid Schedule by Bidder, this item shall include the complete cost to install, maintain and remove all erosion control measures necessary to successfully complete the project. The cost for this item shall also include disposal of all materials generated by this operation. The contractor shall submit an erosion control plan for each phase of the work to the District for approval. This plan will be an attachment to the SWMP. Conformity to SWMP requirements shall be strictly enforced. Payment for this item shall be Lump Sum.

### **BID ITEM 5 – Sewer Bypass**

As quantified by Bidder during the bidding process and as written in the Bid Schedule by Bidder, this item shall include the complete cost to install and maintain all necessary sewer bypass measures to successfully complete the project. Anticipated flows will vary throughout the project due to variation of occupancy of units. A sewer bypass plan shall be submitted with the bid to the District for review and approval. Contractor shall specifically identify means and methods along with how they propose to staff and oversee the sewer bypass 24 hours a day when in use. Payment for this item shall be Lump Sum.

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## **BID ITEM 6 - Survey**

As quantified by Bidder during the bidding process and as written in the Bid Schedule by Bidder, this item shall include the complete cost to maintain and replace damaged survey staking necessary to successfully complete the project. The District will provide the initial survey staking of all the easements that the work must be performed within. Payment for this item shall be Lump Sum.

## **BID ITEM 7 – Stormwater Management Plan (SWMP)**

As quantified by Bidder during the bidding process and as written in the Bid Schedule by Bidder, this item shall include the complete cost to implement, manage and maintain the requirements of the SWMP, as necessary, to successfully complete the project. The District will provide the initial Stormwater Management Plan (SWMP) for the Contractor. Contractor to provide an Erosion Control and Water Quality Plan for review by District and Engineer. This plan will be an attachment to the SWMP. Contractor will be required to submit the plan and acquire the permit, in Contractors name, to the State of Colorado Water Quality Division. Payment for this item shall be Lump Sum.

## **BID ITEM 8 – Sewer Manhole Removal and Replacement**

As quantified by Bidder during the bidding process and as written in the Bid Schedule by Bidder, this item shall include the complete cost to remove and replace the existing manholes per detail provided. In wetland areas the manhole Rim shall be 1' above existing ground and no concrete rings will allowed above cone section. Contractor required to measure and inventory all existing manholes prior to ordering precast concrete bases and barrel sections. All material, labor, equipment and any other incidental items required to replace manholes shall be included in cost. Cost shall also include the disposal of the existing manholes. Manholes shall be installed to the current specifications of the BMMD. Payment for this item shall be Lump Sum.

## **BID ITEM 9 – 8" Pipe Bursting**

As quantified by Bidder during the bidding process and as written in the Bid Schedule by Bidder, this item shall include the complete cost to pipe burst the existing 8" lined V.C.P. sewer pipe with new 8" SDR 17 DIPS sewer pipe. All material, labor, equipment and any other incidental items required to replace burst the existing 8" V.C.P. pipe with new 8" SDR 17 DIPS PIPE shall be included in cost. Payment for this item shall be Lump Sum.

## **BID ITEM 10 – Sewer Service Connections**

As quantified by Bidder during the bidding process and as written in the Bid Schedule by Bidder, this item shall include the complete cost to connect existing sewer services to the new 8" SDR 17 DIPS sewer main. Contractor to assume a total of eight existing 4" services will need to be

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connected to new main via a saddle connection. All material, labor, equipment and any other incidental items required to connect the existing 4" services to the new 8" SDR 17 DIPS main shall be included in cost. Contractor to assume one of the eight existing services will be exposed downstream of MH 36 when manhole is being replaced and will need to be repaired or reconnected. Costs for temporary bypass of existing sewer services shall be included in Bid Item 5 above. Payment for this item shall be Lump Sum.

## **BID ITEM 11 - Dewatering**

As quantified by Bidder during the bidding process and as written in the Bid Schedule by Bidder, this item shall include the complete cost associated with dewatering necessary to install new manholes, 8" sewer pipe bursting and existing sewer service reconnections. All material, labor, equipment and any other incidental items required for dewatering shall be included in cost. Contractor is responsible for obtaining a Construction Dewatering Permit from the State of Colorado. Payment for this item shall be Lump Sum.

## **BID Item 12 – Wetlands Requirements – (Tracking Mats)**

As quantified by Bidder during the bidding process and as written in the Bid Schedule by Bidder, This item shall include the complete cost to abide by the requirements of the wetlands permit. The District is going to contract with Alpine Ecological, LLC as the wetland consultant and wetland restoration expert for the project. Contractor shall work with Alpine Ecological LLC exclusively for the project. Contractor shall coordinate with Alpine Ecological LLC and Ten Mile Engineering to obtain the wetland disturbance permits for the project. For purposes of this bid the Contractor should assume all wetland vegetation is down to a height of 1' by the District and install tracking mats over all vegetation that all equipment will need to drive on to perform the work. Payment for this item shall be Lump Sum.

## **BID Item 13 – Revegetation/Restoration - General**

As quantified by Bidder during the bidding process and as written in the Bid Schedule by Bidder, this item shall include the complete cost to restore and revegetate all areas disturbed during construction that are not in wetland areas. Contractor shall assume they need to install 4" of topsoil and spray seed with tackier in non-wetland areas. In wetland areas Contractor shall replace all wetland topsoil stripped in areas disturbed by construction. The District will be responsible for the wetland restoration and monitoring for the project after the Contractor completes the wetland topsoil placement. A total of no more than 1000 sf of wetland disturbance at each manhole is allowed by Contractor (20' wide easement x 50 LF). Payment for this item shall be Lump Sum.

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