

## **A D D E N D U M NO. 1**

**December 21, 2022**

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**PROJECT:**      Emergency Interconnection to the Catskill Aqueduct  
                 Village of Cold Spring

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Contractors bidding the referenced project are advised of the following revisions to the Bid Documents.

- 1) The removal of the existing connection has been added to the plans and bid sheet as an alternate (see attached).
- 2) Bidders must visit Site 3 prior to the bid date. Bidders that did not attend the pre-bid meeting on December 13<sup>th</sup> must schedule a site visit with the Village (contact Douglas Hahn at 845-279-2220.)
- 3) An insertion valve, Hydra-Stop Insta-Valve 250 or approved equal may be used for the valves at Site 3.
- 4) Rock excavation and removal has been added to the bid sheet. The revised bid sheet and specifications are attached.
- 5) The list of attendees of the December 13<sup>th</sup> pre-bid meeting has been attached.

**BID PROPOSAL**  
**EMERGENCY INTERCONNECTION TO THE**  
**CATSKILL AQUEDUCT**  
**VILLAGE OF COLD SPRING, NY**

**Name of Bidder** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Address** \_\_\_\_\_

**Telephone:** \_\_\_\_\_

**City, State Zip** \_\_\_\_\_

**Fax:** \_\_\_\_\_

**Note: The Lump Sum and Unit Price amount is to be written in both words and numbers. In case of discrepancy, the amount shown in words shall govern. The price shall be in dollars and cents. The Lump Sum amount shall include all labor, materials, equipment, services, etc. required to complete the work in accordance with the Plans, Specifications and all other Contract Documents within the specified completion date**

SECT.	BID ITEM	UNIT	EST. QUANT.	UNIT PRICE	UNIT PRICE	TOTAL PRICE
				(IN NUMBERS)	(IN WORDS)	
BBC	Bituminous Base Course	TON	2			
BPE	Furnish and Install Backflow Preventor and Enclosure	LS	1			
BTC	Bituminous Top Course	TON	2			
CGR	Clearing, Grubbing and Removals	LS	1			
CSG	Crushed Stone and Gravel ("Item 4")	CY	50			
CSG	Crushed Stone and Gravel (3/4" Gravel)	CY	50			
DF	Dense Fill	CY	20			
DIF	Furnish and Install Ductile Iron Fittings	LBS	530			
DIP	Furnish and Install Ductile Iron Pipe (6")	LF	175			
ESC	Erosion and Sediment Controls	LS	1			
FH	Fire Hydrant (aqueduct site)	EA	1			
FH	Fire Hydrant (treatment plant site-Site 3)	EA	1			

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SECT.	BID ITEM	UNIT	EST. QUANT.	UNIT PRICE	UNIT PRICE	TOTAL PRICE
				(IN NUMBERS)	(IN WORDS)	
FIV	Furnish and Install Gate Valves (6" gate valve)	EA	5			
FIV	Furnish and Install Gate Valves (10" gate valve)	EA	3			
FIV	Furnish and Install Gate Valves (12" gate valve)	EA	1			
MEE	Miscellaneous Earth Excavation	CY	20			
MEE	Miscellaneous Earth Excavation (treatment plant site-Site 3)	CY	20			
MPT	Maintenance and Protection of Traffic	LS	1			
PVC	Polyvinyl Chloride Pipe (4 inch)	LF	40			
PVC	Polyvinyl Chloride Pipe (flap valve and screen)	LS	1			
R	Restoration	NP	NP	NP	NON-PAYMENT	NON-PAYMENT
RC	Reinforced Concrete (Pipe Anchor)	LS	1			
RER	Rock Excavation and Removal	CY	20			
RR	Rip Rap	SY	3			

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SECT.	BID ITEM	UNIT	EST. QUANT.	UNIT PRICE	UNIT PRICE	TOTAL PRICE
				(IN NUMBERS)	(IN WORDS)	
SCP	Saw Cutting Pavement	NP	NP	NP	NON-PAYMENT	NON-PAYMENT
SW	Stone Wall	LS	1			
TB	Thrust Blocks	CY	8			
TP	Temporary Pavement	SY	90			
TSS	Furnish and Install Topsoil and Seed	SF	1800			
<b>TOTAL BASE BID</b>						
<b>ALTERNATE 1</b>						
CLF	Chain Link Fence (6' with 36" Wide Gate and Enclosure)	LS	1			
PVC	Polyvinyl Chloride Pipe (include mechanical equipment -2" meter, 2"BFP, valves, etc.)	LS	1			
<b>TOTAL ALTERNATE 1 BID</b>						
<b>ALTERNATE 2</b>						
DR	Demolition and Removal (Removal of Existing Connection)	LS	1			
TSS	Furnish and Install Topsoil and Seed	LS	1			
<b>TOTAL ALTERNATE 2 BID</b>						

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<b>BASE BID PLUS ALTERNATE 1 AND ALTERNATE 2</b>		
<b>TOTAL BASE PLUS ALTERNATE 1 AND ALTERANTE 2 BID</b>		
<p>The total bid shall be the sum of the extensions (unit price multiplied by estimated quantity, for each item). It is stated here only as a convenience for comparison of bids. If there are any errors in addition or multiplication, the unit prices for each item shall govern, and the bid comparison will be made on the basis of correct arithmetic applied to these unit prices. In case of a discrepancy between the unit price in words and the unit price in numbers, the unit prices in words shall govern.</p> <p>The estimated quantities are not guaranteed and are only for bid comparison purposes and final payment will be made for actual quantities regardless of the estimated quantities contained herein. The contractor is further advised that the estimated quantities shown in the Bid Sheets may be reduced or deleted in order to ensure that this Contract can be completed within the budget established for this work. In the event that certain work is deleted or reduced, the Unit Price Bid shall remain in effect for this work.</p>		

**VILLAGE OF COLD SPRING  
EMERGENCY INTERCONNECTION TO THE CATSKILL AQUEDUCT  
MEETING  
December 13, 2022 10:00 AM  
SIGN-IN SHEET**

[illegible]

## **ROCK EXCAVATION AND REMOVAL**

### **WORK**

Work under this item includes rock excavation to the lines and grades indicated on the plans or as directed by the Engineer. Rock shall also be excavated for trenches if necessary, and as directed by the Engineer.

The Contractor is responsible for the removal of all excavated materials from the site, unless needed on the site as described in these specifications.

### **ROCK**

Rock shall mean solid beds or masses of stone in its original or stratified position which can only be removed by such operations as blasting, drilling, wedging, or use of pneumatic tools, and boulders with a volume greater than 1 CY. Solid concrete blocks with a volume greater than 1 CY may be classified as rock with the approval of the Engineer.

### **EXPLOSIVES – NO EXPLOSIVES SHALL BE PERMITTED WHATSOEVER**

### **EXCESS ROCK EXCAVATION**

No rock is to be excavated beyond the limits of the contract. If rock is excavated beyond the limits of the contract as indicated on the Plans, specified, or authorized in writing by the Engineer, the excess excavation, whether resulting from overbreakage or other causes, shall be backfilled, by and at the expense of the Contractor, as specified below in this section.

### **ROCK REMOVAL**

Rock removal shall be done by drilling and /or hammering with pneumatic equipment in accordance with NYSDOT standard specifications for rock removal.

If the rock below normal depth is shattered due to drilling operations of the Contractor, and the Engineer considers such shattered rock to be unfit for foundations, the shattered rock shall be removed and the excavation shall be backfilled with concrete as required, except that in pipe trenches screened gravel shall be used for backfill. All such removal and backfilling shall be done by and at the expense of the Contractor.

### **PREPARATION OF ROCK SURFACES**

Whenever so directed during the progress of the work, the Contractor shall remove all dirt and

loose rock from designated areas and shall clean the surface of the rock thoroughly, using steam to melt snow and ice, if necessary. Water in depressions shall then be removed as required so that the whole surface of the designated area can be inspected to determine whether seams or other defects exist.

The surfaces of rock foundations shall be left sufficiently rough to bond well with the masonry and embankments to be built thereon and, if required, shall be cut to rough benches or steps.

Before any masonry or embankment is built on or against the rock, the rock shall be scrupulously freed from all vegetation, dirt, sand, clay, boulders, scale, excessively cracked rock, loose fragments, ice, snow, and other objectionable substances. Picking, barring, wedging streams of water under sufficient pressure, stiff brushes, hammers, steam jets, and other effective means shall be used to accomplish this cleaning. All free water left on the surface of the rock shall be removed.

## **USE OF EXCAVATED ROCK**

Excavated rock may be used in backfilling trenches subject to the following limitations:

- a. Pieces of rock may not be used which are larger than permitted by the Engineer.
- b. The quantity of rock used as backfill in any location shall not result in the formation of voids.
- c. Rock in pipe trenches, in general, shall be excavated to be not less than six inches (6") from the pipe after it has been laid. Before the pipe is laid, the trench shall be backfilled to the correct subgrade with thoroughly compacted suitable material or when so specified or indicated on the Plans, shall be backfilled with the same material as that required for bedding the pipe, furnished and placed at the expense of the Contractor.
- d. Rock backfill shall not be placed within sixteen (16") inches of the surface of the finished grade.

## **DISPOSAL OF EXCAVATED ROCK**

Surplus excavated rock shall be disposed of legally and as approved by Engineer.

## **BACKFILLING ROCK EXCAVATIONS**

Where rock has been excavated and the excavation is to be backfilled, the backfilling above normal depth shall be done in accordance with Engineer's approval. If material suitable for backfilling is not available in sufficient quantity from other excavations, the Contractor shall furnish suitable material from outside sources. Any fill material to be furnished shall comply with Clean Fill in the Unclassified Excavation, Filling, and Grading specifications.

## **MEASUREMENT AND PAYMENT**

Rock excavation shall be measured by the “CUBIC YARDS” and shall include the cost of furnishing any necessary fill. The Contractor shall expose the rock surface to be excavated at which time field measurements shall be made by the Engineer before and after rock removal to determine the quantity of actual rock and clean fill to be paid for. The amount to be paid shall be the unit price bid for the actual “CUBIC YARDS” of rock excavated, removed and disposed of and cubic yards of clean fill provided, within the contract limit lines shown on the drawings and measured in the field. This shall include all labor, materials, equipment and drilling for total rock removed, costs and excavation, and fill material provided.

## **DEMOLITION AND REMOVAL**

### **WORK**

Under this item the Contractor shall furnish all labor, materials and equipment necessary to demolish and remove the existing connection to the Catskill Aqueduct including any existing equipment at the project site as required for the construction of the new work as shown on the Plans and specified herein. Any materials demolished for removal and not to be salvaged shall become the property of the Contractor and must be disposed of legally. The Contractor shall submit to the Engineer written permission from the owner of the proposed dump site prior to disposal. The items to be removed included under this section include, but not necessarily limited to, meter pits, valve pits, an existing shed, as well as any pipe not associated with new work.

The Contractor shall at the direction of the Engineer, salvage equipment and materials existing on the site. Any equipment to be salvaged shall be made known to the Contractor in the field prior to demolition operations. These items shall be delivered by the Contractor to a location within the municipality.

Blasting and the use of explosives will not be permitted for any demolition work.

### **CONDITION OF STRUCTURES**

The Owner and the Engineer assume no responsibility for the actual condition of structures to be demolished and removed.

Conditions existing at the time of inspection for bidding purposes will be maintained by the Owner insofar as practicable.

### **RULES AND REGULATIONS**

The Building Code of the State of New York, shall control the demolition of structures.

### **DISPOSAL OF MATERIAL**

All removed and demolished material and unwanted items of equipment and pipelines shall become the Contractor's property and must be removed from the site. Any existing equipment to be salvaged shall be made known to the Contractor prior to demolition operations. The Contractor shall be responsible for the careful and proper removal of items to be salvaged and shall not cause damage due to excessive force in disconnecting and removing equipment. The Contractor shall provide safe transportation of salvaged items to the Water Department or Highway Department or a location designated by the Engineer.

The dumping, burial, burning, storage, or sale of removed and demolished items on the site will not be allowed. All materials to be removed shall be disposed of in accordance with all applicable regulations.

## **SUBMITTALS**

Submit to the Engineer for approval, a plan of the proposed methods and operations of demolition of the structures in accordance with the General Conditions prior to the start of demolition work.

## **TRAFFIC AND ACCESS**

Conduct demolition operations, and the removal of equipment and debris to ensure minimum interference with abutting street and local traffic.

Special attention is directed towards maintaining safe and convenient access to the proposed facilities by the Owners' personnel and associated vehicles.

Do not close or obstruct streets, walks or other occupied or used facilities without permission from the Engineer. Provide alternate routes around closed or obstructed traffic in access ways.

## **PROTECTION**

Conduct operations to minimize damage by falling debris or other causes to structures, roadways, and other facilities, including persons.

Exercise precautions for fire prevention. Acceptable fire extinguishers shall be available at all times in areas where demolition work by burning torches is being performed. Burning of demolition debris shall not be permitted on or near the site.

## **DAMAGE**

Promptly repair damage caused to existing site features by demolition operations as directed by the Engineer and at no cost to the Owner. Repairs shall be made to a condition at least equal to that which existed prior to construction operations.

## **UTILITIES**

Maintain existing utilities as directed by the Engineer to remain in service and protect against damage during demolition operations.

Do not interrupt existing utilities except when authorized by the Engineer. Provide temporary

services during interruptions to existing utilities as acceptable to the Engineer.

The Contractor shall be solely responsible for making all necessary arrangements and for performing any necessary work involved in connection with the discontinuance or interruption of all public and private utilities or services under the jurisdiction of the utility companies.

All utilities being abandoned shall be disconnected and terminated at the service mains in conformance with the requirement of the utility companies or the municipality owning or controlling them.

## **DUST AND NOISE CONTROL**

The Contractor shall take all measures necessary to minimize the amount of dust and noise resulting from demolition activity.

## **MATERIALS**

All materials or items of equipment required for the performance of the work of this Section shall be suitable for the intended purpose and shall be equal, where applicable, to similar items and materials specified in other sections of the technical specifications.

## **DEMOLITION**

Demolition shall be performed to the limits shown on the Drawings or if no limits are shown, to a depth at least two (2') feet below final grade or two (2') feet below any new foundation or pipe.

Wet down work during demolition operations to prevent dust from arising. Provide maximum practical protection from inclement weather for materials, equipment and personnel.

Remove all existing work as indicated on the drawings and prepare adjoining areas for installation of new work. All demolition debris shall become the property of the Contractor and shall be removed from the site and properly disposed of by the Contractor. Demolition debris shall not be used for fill or backfill.

Blasting or the use of explosives will not be allowed for demolition work.

## **MEASUREMENT AND PAYMENT**

The unit of measurement for payment shall be a "LUMP SUM" amount for furnishing all labor, materials and equipment and for performing all items of work complete as specified and shown on the plans. The cost shall be included with all other items within the specifications and shown on the plans.

