

## Contracts

Classification	Conditions	Bonding	Bid Date	Bids To	Bid Type
General Contractor		Bid:5.00%,Perf:100.00%,Pay:100.00%	4/5/2023	Owner	Open Bidding

## Bidders

Company Name	Contact Name	Contact Status	Added Date	Address	Phone	Email	Bidding Role	Bid Rank	Bid Value	Fax Number
Mid Eastern Builders (MEB) General Contractors - Chesapeake	Angie Duffer	Active	2/28/2023	4016 Holland Blvd. , Chesapeake, VA 23323	(757) 487-5858	<a href="mailto:aduffer@mebgc.com">aduffer@mebgc.com</a>	Bidder - General Contractor			(757) 487-5089
Clark Construction	Stephanie Jones	Active	3/10/2023	23475 Rock Haven Way , Sterling, VA 20166	(240) 672-4047	<a href="mailto:stephanie.jones@clarkconstruction.com">stephanie.jones@clarkconstruction.com</a>	Prospective Bidder - General Contractor			

## History

User	Viewed	First Viewed Date	Currently Tracked?	Date Tracked
Craig Hrkal	True	3/14/2023	True	3/14/2023

## Design Team

Company Role	Company Name	Contact Name	Contact Status	Address	Phone	Email	Fax
Civil Engineer	Rummel, Klepper & Kahl (RK&K) - Newport News	Alec Pope	Active	11827 Canon Boulevard Suite 402, Newport News, VA 23606	(757) 926-4588		(757) 926-4537
Structural Engineer	LIBERTY ENGINEERING, P. C.	Jan Harris	Active	4521 E Honeygrove Rd #108 Virginia Beach, VA 23455, Virginia Beach, VA 23455	(757) 499-2791		(757) 499-7984
Civil Engineer	Kimley-Horn - Virginia Beach	Robyn Niss	Active	4525 Main St Ste 1000, Virginia Beach, VA 23462	(757) 213-8600		(757) 548-7301
Owner	Hampton Roads Sanitation District (HRSD)	Shannon Rice	Active	1434 Air Rail Ave. , Virginia Beach, VA 23455	(757) 460-7005	<a href="mailto:srice@hrsdc.com">srice@hrsdc.com</a>	(757) 464-3985

## Personal Notes

User	Note	Update Date	Private?
Craig Hrkal	60" with 48" slipline 960' long 251 yards	3/14/2023	False

**SECTION 02625**  
**ABANDONMENT OF EXISTING PIPELINES**

**PART 1 - GENERAL**

**1.1 DESCRIPTION**

A. The work shall consist of the abandonment of sanitary force mains, gravity sanitary sewers, structures, valve boxes and air vents in accordance with the Contract Documents. Abandonment of pipelines and structures will be performed where shown on the Drawings or where designated by the HRSD Representative. The Contractor shall furnish all materials, equipment, and labor necessary to abandon the designated pipelines and structures in-place, or remove in their entirety, as specified or indicated on the Drawings.

B. Related Work Specified Elsewhere:

1. Section 01340 Submittals

**1.2 SUBMITTALS**

Submittals for flowable fill shall be made by the Contractor in accordance with the procedures set forth in Section 01340 and as described below.

A. Contractor shall submit reports of material analysis, mix designs, and shall confirm conformance of all materials with the requirements of this Section and all applicable City, VDOT or permit requirements.

B. Prior to use or placement, the Contractor shall submit certifications in the form of affidavits from the material suppliers, together with supporting data, attesting that the products and materials meet specification requirements.

C. The Contractor shall submit for approval its proposed method for filling the pipes. Contractor's method shall take into consideration the removal of sewage and air from pipelines and the prevention of loss of fill material to the environment. Contractor's submittal shall include acceptable information on plugs, method of monitoring the quantity of flowable fill within the pipe segment including pumping equipment volume and stroke count, pumping equipment, traffic control, proposed method for maintaining utilities to remain in the service, and any required equipment or personnel certifications.

D. A drawing indicating all locations along the main where the pipe will be dewatered and areas where flowable fill will be inserted into the pipe.

E. **Estimated dewatering volume for abandonment of existing 60" concrete gravity sewer slip lined with 48" FRP pipe from Vault A to the Boat Harbor Treatment Plant: 111,000 gallons.**

**PART 2 - PRODUCTS**

**2.1 MATERIALS**

A. Flowable fill shall conform to one of the following:

1. LCCF

Mix Description: 25 lb./cu. ft. wet cast density neat mix, non-pervious

Mix Type: Cellular concrete

28-Day Strength: 45 psi (average), ASTM C495

Base Slurry Composition (per cubic yard):

Portland cement (ASTM C150 Type I/II): 2048 pounds

Water: 1024 pounds

- 1                   Admixtures:           ASTM C494  
2                   Fly Ash:   Compatible with foaming agent (ASTM C618 Class C or F)  
3                   Preformed Foam: Complies with ASTM C869 and shall be Aerix, by Aerix Industries,  
4   Golden, CO, or Equal  
5                   Finished Cellular Concrete Composition (per cubic yard):  
6                                   Portland Cement (Type I/II): 450 pounds  
7                                   Water: 225 pounds  
8                                   Admixtures: As above  
9                                   Aerlite (or equal) foam: 21.1 cubic feet  
10               2. Flowable Fill in accordance with VDOT Specifications Section 249, minimum compressive  
11                strength of 50 psi.

## 12   **PART 3 - EXECUTION**

### 13   **3.1 PROCEDURES**

14               Unless designated for removal, the Contractor shall abandon all pipes and structures indicated on the  
15               drawings by filling them in-place with flowable fill.

#### 16   A. Force Main and gravity sewer mains:

17               Existing pipes indicated on the Drawings to be abandoned shall be plugged at the designated  
18               locations and abandoned as follows:

- 19               1. The Contractor shall be responsible for removal and disposal of abandoned mains contents.
- 20               2. The Contractor shall remove portions of pipe at fill, inspection, and observation points at  
21               appropriate intervals to be established by the contractor and agreed to by the owner to  
22               completely dewater and fill the existing pipelines with flowable fill. The Contractor shall  
23               locate points to minimize disruptions while considering existing pipeline alignment and  
24               profile from available record drawings and any access restrictions. Where possible, locations  
25               shall be outside of paved Right-of-way.
- 26               3. The Contractor shall construct access where necessary to complete television inspection of  
27               the pipeline.
- 28               4. Pipes shall be closed with an approved plug with reaction blocking as approved by the HRSD  
29               Representative.
- 30               5. Pipes, once closed as required above, shall be filled with flowable fill to the satisfaction of  
31               the HRSD Representative.
- 32               6. Pipes to be filled that connect to active structures shall be plugged with brick and mortar  
33               plugs and braced.
- 34               7. The Contractor shall review the record drawings (plans and profiles) of the existing force  
35               main to identify changes in pipe elevation to ensure abandonment results in a pipeline  
36               completely full of flowable fill. In addition, the Contractor shall field-verify all dewatering  
37               and fill points to avoid all potential conflicts such as trees, access, guy wires, crossing  
38               utilities, etc.
- 39               8. Provide maintenance of traffic (vehicular and pedestrian) at all excavation locations in  
40               accordance with all applicable City and State standards.
- 41               9. Backfill and backfilling shall be in accordance with Section 02300.

#### 42   B. Pipeline and Structure Removal:

- 43               1. Pipeline and structures designated for removal shall be removed and properly disposed of.
- 44               2. The Contractor shall be responsible for removal and disposal of pipeline and structure  
45               contents.
- 46               3. Ground surface shall be restored to match surrounding grade in accordance with Section  
47               02300.