

July 30, 2019

Re: Raymond Waste Water Improvements Phase II
Raymond, South Dakota
A-7088

Bid Opening: **Thursday, August 1, 2019**
11:00 am in Raymond, SD

ADDENDUM NUMBER 1

The following modifications are made to plans and specifications for the above referenced project.

SPECIFICATIONS:

1. The Bid Opening is at 11:00 am on Thursday, August 1, 2019
2. Section 00 42 43, Article 5; Bid Item 19 Shall read 8" DI Tee
3. Section 33 32 13.13, Part 2.01, A; Add "KSB" to the approved manufacturer list
4. Section 33 32 13.13, Part 2.07, A; "lever & spring" shall be crossed out
5. Section 33 47 13.01 HDPE Liner shall be smooth
6. Section 40 05 78.21 for the Sewage Air Release Valves is attached

PLANS SHEETS:

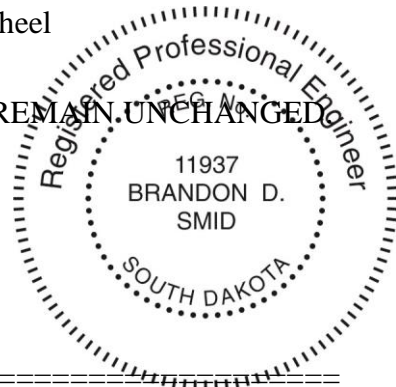
Sheet 7; The 18" CMP shall be 16-gauge conforming to the requirements of AASHTO M 36 or 196
Sheet 16; Valves in vault shall be plug valves with gear and hand wheel

ALL OTHER ITEMS OF THE PLANS AND SPECIFICATIONS REMAIN UNCHANGED

By: 

Brandon D. Smid, P.E.

PROJECT ENGINEER - HELMS AND ASSOCIATES



FIRM NAME: _____ BY: _____

TITLE: _____ DATE: _____

ATTACH THIS SIGNED ADDENDUM NUMBER 1 TO THE BID FORM ATTACHED OR
ACKNOWLEDGE THE ADDENDUM ON THE BID FORM WHEN SUBMITTING.

SECTION 40 05 78.21 - SEWAGE AIR RELEASE VALVES (SARV)

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. The general provisions of the Contract, including General and Supplementary Conditions shall apply to the Work covered in this Section.
- B. Related requirements specified elsewhere:
 - 1. Trenching, backfilling and Compacting - Section 31 23 33
 - 2. Manholes and Castings - Section 33 39 13
 - 3. Sanitary Sewer Piping and Fittings – Section 33 31 00

1.02 DESCRIPTION OF WORK

- A. The Work covered by this section includes all labor, materials and equipment necessary to furnish and install the air release valves as specified herein and as shown on the plans.

1.03 SUBMITTALS

- A. The Contractor shall submit for review copies of shop drawings for materials specified herein in accordance with the requirements of Section 01 33 23.

1.04 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. The ends of all valves shall be sealed to prevent entry of foreign matter into the body.
- B. Box, crate, completely enclose, and protect valves and accessories from accumulations of foreign matter.
- C. Valves and accessories shall be stored in areas protected from weather, moisture, or possible damage. Do not store materials directly on ground.
- D. Items shall be handled in such manner so as to prevent damage to interior or exterior surfaces.

PART 2 PRODUCTS

2.01 SEWAGE AIR RELEASE VALVES

- A. Sewage Air Release Valves shall allow unrestricted venting or re entry of air through the valve during filling or draining of the forcemain, to prevent water column separation or pipeline collapse due to vacuum.
- B. The valve shall incorporate an air-gap separation between the sewage and sealing mechanism. This will be obtained by a single float or combination of floats. The float(s) shall withstand 230-psi test.
- C. All internals shall be easily removed without removing the main valve from the lines.

- D. Valve shall be fitted with blow off valves or back flush adapters with quick disconnect couplings and minimum 15 feet of hose.
- E. The valve inlet shall be 2 inch N.P.T. All fitting shall be brass or stainless steel.
- F. The body shall be cast iron conforming to ASTM A126 (GR. B), Steel DIN ST.37 or Stainless Steel SAE 316 or approved equal.
- G. The sewage air release valve shall be as manufactured by Valve and Primer Corporation, APCO Series 400, Model 400, A.R.I. Flow Control Accessories Model S-020, A.R.I. USA Inc. model D-26 or approved equivalent
- H. Bolting: All body bolts shall be Grade 304 stainless steel. Anti-Seize shall be applied to all threads prior to installation.

PART 3 EXECUTION

3.01 INSTALLATION

- A. All valves and accessories are to be installed in locations as shown in the Drawings.
- B. The exact location is to be field determined and approved by the Engineer prior to installation.
- C. All valves and accessories shall be installed in accordance with manufacturer's instructions.

PART 4 MEASUREMENT AND PAYMENT

4.01 METHOD OF MEASUREMENT

- A. Measurement shall be made for air relief valve and appurtenances shall be on per each basis as shown in the bid form. Measurement shall include air relief valve, 12 feet of hose with quick couplers, and all fittings and appurtenances necessary to connect valve in manhole.

4.02 BASIS OF PAYMENT

- A. No separate payment for air relief valve shall be made. This shall be included in the price for the Duplex Lift Station and Control Valve Pit on the bid form.

* * * END OF SECTION * * *