



Ken Levesque  
Henniker Wastewater District  
18 Depot Hill Road  
Henniker, NH 03242

April 30, 2021

Greetings Ken,

**Subject: Clean and CCTV Inspection approx. 13,147 linear feet - 6" to 12" Mostly AC Sanitary Sewer Mainlines and Manholes, 21T0301**

Thank you for giving us the opportunity to provide you with the following bid proposal.

**Scope of work:**

- Perform Cleaning and PACP CCTV Inspections on approximately 13,035 feet of existing 6" to 12" mostly AC Gravity Sanitary Sewer mainline pipe as outlined on a customer provided Wastewater Treatment Facility Maintenance Bid 2021 package.
  1. Hillside Drive; 8", 3139"
  2. Rush Road; 8", 1801'
  3. Depot Hill Road. 8", 1697'
  4. Pike St. 8", 655'
  5. Flanders Road; 8", 694'
  6. Cressey St. 8", 619'
  7. Weare Road. S. Rt. 114; 8", 727'
  8. Water St (South); 10", 1049'
  9. Pearl St. 8", 443
  10. Weare Road. N. Rt. 114; 8", 815'
  11. Water St (North); 10", 1508'
- Perform topside manhole reports on approx. 70 manholes within the pipe inspection Scope

**Project Responsibilities**

Town of Henniker, NH: To help achieve a smooth and successful project, you will be considered the owner of the project and it will be your responsibility to perform the following:

- Provide a designated contract coordinator
- Provide all access to all sanitary manholes
- Provide notification for public/private easements
- Provide Maps as needed
- Provide Water for cleaning through 1.5" service at WWTP or Fire Dept. or river
- Provide an approved disposal area at the WWTP for both liquids and grit/solids

Vortex Services LLC

- Provide a designated project manager (off site)
- Provide a written work plan and schedule prior to start of work



- Provide traffic control, including flaggers per MUTCD regulations
- Provide a Jet/Vac unit with operator and technician. All grit will be vacuumed or caught in a screen at the downstream invert.
- Decant all liquids and dispose of grit separately at the WWTP
- Provide a CCTV Inspection team with all labor, materials, and equipment to complete the pipeline assessments. CCTV Operator will be NASSCO PACP and MACP certified.
- Provide topside manhole reports, complete with photo image, invert & chimney data, and defect information
- Perform all inspections using IT pipes reporting software.
- Provide a copy of all inspections in digital format as well as a hard copy

### **Vortex Services LLC Employees**

- Project Manager (Off Site)
- Vactor CDL Operator
- Vactor Technician
- CCTV Operator - PACP/MACP certified
- CCTV Technician

### **Vortex Services LLC Equipment**

- Combination Jet/Vac Truck equipped with 1" hose and operates at 80 GPM @ 2500 PSI. These units are capable of jetting and vacuuming of materials at the same time Water tanks will be capable of a minimum of 1200g. Debris body will be capable of holding a minimum of 10 cu/yards of material. Drain ports will be able to separate water from the solid material in debris body. Vacuum will be capable of lifting heavy materials such as dirt, rocks, bricks, sludge, etc. from manholes and wet wells. There will be a minimum of 25' of 8" vacuum tube on each truck.
- Mainline CCTV Unit with studio style climate controlled control room onboard with room for owner representative.

### **Proposed Work Plan**

#### **Planning**

- Proposal to customer
- Execute contract

Project Commencement Day 1 through Duration. Field Work must be completed by October 1, 2021.

- Mobilization to Job Site
- Review Scope of Work & Safety
- Setup Traffic Control
- Begin Cleaning, Begin Inspections
- QA/QC with Customer
- Restore job site
- Demobilization

#### **Post Planning**



- Deliverables: one copy of I.T. Pipes or Granite Net Viewer in digital format. The Manhole and Line Reports will be provided in both printed and .pdf digital media format.
  - Includes all line reports. Line reports are a compilation of data gathered during an inspection typically starting at one manhole or entry point and ending at a manhole or exit point. Data gathered includes but is not limited to: pipe size, pipe type, starting point, ending point, distance, observations of interior pipe conditions, observation photos, observation descriptions, etc.
  - Includes all .jpeg photos taken during the inspection. Photos are typically taken to show the start of the inspection, pipe deformations, existing debris build-up inside the pipe section, inspection end point, etc.
  - Includes all .wmv videos. Individual video files are created for each pipe section inspected.
  - I.T. Pipes Viewer includes a print manager option which allows owner to print additional or future line reports
  - Manhole inspection reports in digital format as well as paper copies
  - Recommend rehabilitation for observed level 4 & 5 pipeline and manhole defects.
- Project Billing

**Differing conditions:**

1. Broken pipe or structure- All attempts will be made to clean and/or inspect through condition however may result in a termination of cleaning and/or inspection of the individual line segment.
2. Obstructed pipe or structure- All attempts will be made to clean and/or inspect through condition however may result in a termination of cleaning and/or inspection of the individual line segment.
3. Unknown changes in pipe direction or change in pipe ID- All attempts will be made to clean and/or inspect through change in direction and/or pipe ID however may result in a termination of cleaning and/or inspection of the individual line segment.
4. Flows in the gravity piping higher than anticipated by the owner - If flows in the wastewater system are higher than anticipated all attempts will be made to clean and/or inspect through condition however may result in a termination of cleaning and/or inspection of the individual line segment.
5. Items in the pipe larger than to be anticipated: In some cases very large items such as rocks are found in a pipe or structure, although it is within the scope of work for TBC to remove these items it is practical to limit the reasonable and anticipated size of such items. The following list defines what is excluded from TBC responsibilities. Pipe size 6"-18": Items greater than 50% of the pipes nominal I.D.

Billable Units	Unit Prices	Est. Units	Estimated Cost
Jet/Vac 6" to 12" Sewer Mains	\$.89 per Linear Foot	13,174 Feet	\$11,700.83
CCTV Inspections of 6" to 12" Sewer	\$.85 per Linear Foot	13,174 Feet	\$11,174.95
Manhole Reports	Included in CCTV price	Up to 70 Manholes	N/C
Total Estimate of Probable Cost:			\$22,875.78
Performance Bond (150%)	Available at Customer's Request		\$500.00

Manhole inspections, the deliverables package and flaggers are included in the pricing.



**Terms and Conditions**

All quotes are good for 30 days from date of inquiry.

Payment is due Net 30 from the date the project is completed

**Indemnification.** Vortex shall and does hereby agree to indemnify, save harmless and defend the Town of Henniker from the payment of any sum or sums of money to any person whomsoever on account of claims or suits growing out of injuries to persons, including death, or damages to property, caused by Vortex, its employees, agents or sub-contractors or in any way attributable to the negligent performance and execution of the work herein contracted for.

The Town of Henniker recognizes and acknowledges: (a) that the specialized nature of Vortex services as they relate to pipes and sewer lines involves the removal of light to heavy debris, often preventing adequate flow; (b) that the services to be provided under this Agreement involve robotic CCTV inspection and may implicate conditions not readily discernable prior to the issuance of a Notice to Commence Work by the Town of Henniker; and (c) that pipe cleaning, including root removal and the removal of debris, flushing, and vacuuming of sewer lines or pipes, may be impacted by pipe damage or conditions such as broken, cracked, offset, collapsed, eroded, corroded or otherwise deteriorated pipe. In light of the foregoing acknowledgements, and the preceding indemnification provision notwithstanding, Vortex shall not be responsible to the Town of Henniker or any third party for any sums of money on account of any claims or suits arising by reason of the condition of the pipe or sewer lines encountered by Vortex in rendering services hereunder, including conditions precipitating pipe collapse, deteriorated/corroded pipe, the compromised structural integrity of pipe, and unanticipated back up and discharge flows, including resultant residential or third party impacts.

It is the intention of this section to hold Vortex responsible for the payment of any and all claims, suits, or liens attributable to or asserted against the Town of Henniker which relate solely to the negligent performance of Vortex and do not implicate the conditions encountered by Vortex in rendering services to the Town of Henniker hereunder. In the event the liability of Vortex shall arise by reason of the negligence of the Town of Henniker and/or the negligence of the Town of Henniker's agents, servants or employees, then, Vortex shall not be liable under the provisions of this Section and the Town of Henniker shall indemnify, save harmless and defend Vortex from the payment of any sum or sums of money to any person whomsoever on account of claims or suits related thereto.

We appreciate the opportunity to provide you with this bid proposal and we look forward to the chance to work with you in 2021. Please sign and return signed copy upon acceptance of this bid.

Sincerely,

A handwritten signature in blue ink that reads "Charlie Roberts".

Charlie Roberts  
Project Manager

Accepted by:

Print name:

\_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_