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September 12, 2018

Mr. James McKay, Director
Public Works/Highway Department
Town Hall
900 Main Street
Millis, MA 02054

RE: Millis, Massachusetts - Sewer System I/I Investigation
Phase V – Investigation and Repair Estimate

Dear Mr. McKay:

GCG Associates has prepared the following estimate to complete the repairs in Subbasins 1 and 2 found during prior investigations of the Millis sanitary sewer system. The balance of work was bid on May 24, 2018 excluding manhole repairs, and had inadequate funds available to award the bid. The total bid for all alternates was \$207,952. The town had appropriated \$132,700 (\$92,700 for construction) in the fall of 2016 to perform some of the work. As you are aware insufficient funds were available to award the base bid at \$105,352.

Based upon the current bid numbers from April 2018, we have prepared the following estimated budget to complete all the work identified in previous investigations.

<u>Total Project</u>	<u>(\$)</u> <u>Cost</u>
Phase V	
-Sewer Main repairs (5 locations), Sewer Service repairs and replacements-(28 services)	\$207,952
- Manhole Casting Repairs (31 covers)	\$ 9,500
- Manhole Casting Replacements (15 covers)	\$ 12,550
10% Repair Contingencies	\$ 23,000
Police Details (500 M.H. x \$50)	\$ 25,000
Engineering and Rebidding	\$ 6,000
Construction Administration and Inspection	\$ 12,500
Total Estimated Cost	\$296,002

The \$132,700 appropriated in the fall of 2017 by the Town was based upon the following schedule

Phase IV

<u>Total Project</u>	<u>(\$)</u> <u>Cost</u>
Phase IV – Sewer Main repairs and replacements-(5 locations)	\$ 58,500
- Sewer Service repairs and replacements	\$ 34,200
10% Repair Contingencies	\$ 9,000
Police Details (250 M.H. x \$50)	\$ 12,500
Engineering and Bidding	\$ 6,000
<u>Construction Administration and Inspection</u>	<u>\$ 12,500</u>
Total Estimated Cost	\$132,700

The only amount used from the budget was the \$6,000 for engineering and bidding. Based upon this the Town would need to appropriate \$169,302 to complete all identified I/I work through the 2015 updated report.

GCG Associates recommends this work be completed and the project be bid in February of 2019 during a typically ideal time to bid projects. If you have any questions or require additional information, please call this office.

Sincerely,
GCG ASSOCIATES, INC.

Michael J. Carter

Michael J. Carter, P.E.
President