



Surveyors & Septic Designers, Inc

301 North Main Street, Suite 1
Barre, VT 05641

WILLIAM R. (BILL) CHASE, PLS

CRAIG D. CHASE (SEPTIC DESIGNER)

ASSOCIATES: KRIS JURENTKUFF, ROBERT BROWN

Phone 802-479-9636

Fax 802-479-4017

E-mail BillChase@chasesurveyors.com

E-mail CDChase@chasesurveyors.com

E-mail: KJurentkuff@chasesurveyors.com

September 27, 2016

Town of East Montpelier Selectboard
Attn: Bruce Johnson
PO Box 157
East Montpelier, VT

RE: Topographic Survey, Plan Preparation & Drafting Services, Town of East Montpelier, Quaker Hill Road culvert replacement

Project Summary

This scope of services and cost estimate is for topographic surveying, plan preparation and construction stakeout in support of the design and installation of a replacement culvert located on Quaker Hill Road. All design guidance to be provided by Doug Newton of Newton Technical Services.

Scope of Services

Chase & Chase proposes to provide the following services:

Phase I – Mapping of existing conditions and infrastructure

- Conduct a topographic survey of the area surrounding the existing culvert crossing, extending to a minimum of 150' north and south of the subject culvert. The survey will utilize an assumed local vertical datum appropriate to this type of localized project.
- Preparation of existing conditions plans of the project area including road and stream profiles, roadway cross-sections and contour data.

Our estimated cost to provide these Phase I services is **\$1200**

Phase II – Plan preparation of conceptual plan of proposed improvements

- As directed by Doug Newton, prepare preliminary and final design plans of the culvert replacement project.

Our estimated costs to provide these Phase II services is **\$2400**

Phase III – Construction stake out

- Stake out design road and culvert centerlines and grades along with additional field control for the contractors use.

Out estimated costs to provide these services is **\$500**

Assumptions

In preparation of this estimate, we have made the following assumptions:

- Access to the properties adjoining the project site will be solicited by Town officials and granted prior to commencement of the survey work.
- All physical features pertinent to the project can be mapped during one field survey site visit. Additional visits will incur additional costs.
- Phase II costs are based on our current understanding of the scale of the project and may vary based on the type and size of the structure ultimately specified. Significant changes to horizontal and/or vertical alignment of Quaker Hill Road may incur additional costs above those estimated; not are anticipated.

Specifically not included in this estimate:

- Preparation of permit applications and/or attendance at associated hearings or meetings (if applicable).
- Permit application fees (if applicable).
- Boundary survey or property line delineation.

These services can be provided at an additional cost.

Terms and Conditions

1. This is a **cost estimate** only. Actual charges will be for time expended.
2. A retainer of 50% of the project the estimated project costs is **waived**.
3. Chase & Chase Surveyor & Septic Designers, Inc. and Newton Technical Services will invoice the client separately.
4. Invoices for payment will be submitted at completion of each Phase of the services to be provided. Interest of 1.5% per month will be charged on amounts not paid within 30 days. We reserve the right to suspend work on the project if payments are withheld.

Agreed and Accepted:

9/27/16
date



Kris Jurentkuff, Senior Technician
Chase & Chase Surveyors & Septic Designers, Inc.

date

for the Town of East Montpelier