

July 10, 2008

Douglas Zoning Board of Appeals
c/o William J. Cundiff, P.E.
29 Depot Street
Douglas, MA 01516

Dear Mr. Cundiff:

RE: North Village Residential Development
Sewer Design Review

BETA Group, Inc. is pleased to submit this proposal to review the design of proposed wastewater related infrastructure included in the above referenced project. The project consists of 105 residential condominium/townhouse units and a 28 single family house development that will be constructed in 5 phases. The plan set, entitled "North Village – A Comprehensive Permit Definitive Site Plan" and dated April 15, 2008, was prepared by Heritage Design Group of Whitinsville, MA.

A combination of gravity sewers, a pumping station and a forcemain will collect and convey wastewater from Phases 1, 2 and 3 of the project to an existing sewer in North Street. A low pressure sewer system is proposed to collect and convey wastewater from Phases 4 and 5 to the existing sewer in North Street.

To accomplish this review of the proposed sewer extension, the following tasks will be performed.

- Verify that the proposed project is consistent with the Town's Wastewater Facilities Plan
- Confirm proposed average daily and peak hourly wastewater generation rates to ensure that infrastructure is appropriately sized.
- Perform a desktop analysis to assess the available capacity of existing sewers downstream of the proposed development. BETA will review pipe sizes, pipe slopes, pump capacities and the volume of wastewater currently discharging to impacted infrastructure.
- Review the design of gravity sewers, low pressure sewers, pumping stations, and forcemains for conformance with the standards presented in the "Guides for the Design of Wastewater Treatment Works (TR-16)" as published by the New England Interstate Water Pollution Control Commission. Where appropriate other applicable industry standards and practices will be applied.

- Review specified piping materials and equipment for conformance with the Water-Wastewater Specifications adopted by the Town of Douglas.
- Upon completion of the review, BETA will provide a letter report summarizing findings to the Town. We will attend one meeting with the Town and the developer to review findings, if necessary.

The following review services are not included in this proposal.

- Site drainage and stormwater conveyance
- Water distribution system

We are prepared to begin work on the project immediately upon authorization to proceed and anticipate the project review will be completed within two weeks. BETA will complete the review on a time and materials basis for a fee that will not exceed \$4,650 without prior authorization from the Town.

Additional meetings, plan reviews, and report revisions will be billed hourly based on the following rates.

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| Project Manager | \$145.00/hr |
| Project Engineer | \$115.00/hr |
| Senior Engineer | \$95.00/hr |
| Staff Engineer | \$80.00/hr |

If we can be of any further assistance regarding this matter, please contact us at our office.

Sincerely,

BETA Group, Inc.



Joseph D'Alesio, P.E.
Sr. Vice President

Accepted by:
Zoning Board of Appeals
Town of Douglas, MA

Signature

Signature

Signature

Date

cc: Douglas Water and Sewer Commission

