

AMORY ENGINEERS, P.C.

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March 6, 2009

Mr. Raul Tejada
CT Department of Public Health
410 Capitol Avenue, MS #51 WAT
Hartford, CT 06134

RE: Extension of Service to Aljen Heights Area of Town of Ledyard

Dear Mr. Tejada:

As a follow up on our telephone conversation of March 5, 2009, we offer the following items for consideration with regard to extension of water service to the Aljen Heights area of Ledyard. The proposed project will provide for the following improvements in the subject area.

1. The area currently includes on-site private wells for the entire proposed service area except the 50-lot Avery Hill Trailer Park, which is served by a community well. Lot size in the Aljen Heights area is generally 10,000 – 15,000 square feet (quarter-acre lots). Each lot includes on-site water (private well) and on-site septic disposal. Based on file review of data available from the Ledge Light Health District, on-site septic systems have had to be replaced on approximately 22.5% (63 of the 280 potential services) of the properties within Phase 1 and 2¹.
2. The current supply source for Avery Hill Trailer Park (50 trailer units) has been noted to have a number of sanitary survey violations, i.e. letter from DPH (October 22, 2008 – RCSA 19-13-1351d(b)(3) and (j)(a)). Additionally, during the summer/fall of 2005, the community well went dry and WPCA trucked water in to supply the trailer park. The proposed project will allow replacement of the current supply source. Aljen Heights will be supplied from the Gales Ferry service area currently served by Groton Utilities (see Ledyard WPCA response to Sanitary Survey Report dated November 17, 2008).
3. In 2008, the Thames Basin Regional Interconnection project was completed. Groton, Ledyard, and Montville water systems are now connected. Groton Utilities provides water supply to Montville, Mohegan Tribe of Indians of Connecticut (MTUA) and Connecticut Correctional Complex through Ledyard along Route 12, crossing the Thames River from Hurlbutt Road (Ledyard) to Dock Road (Montville). Currently, Ledyard WPCA is completing the extension of water service to the Ledyard Center/Highlands service area. Groton Utilities will provide water supply to this area at Route 117. Extension to Aljen Heights will interconnect the two water systems in

¹ At this time, no date is available for Phases 3 and 4.

Mr. Raul Tejada
March 6, 2009
Page 2

Ledyard (Gales Ferry and Ledyard Center/Highlands). System interconnection (Phases 3 and 4) will improve overall reliability. Additionally, the interconnection will improve redundancy for the "Regional System" of Groton/Ledyard/Montville by providing an alternative route of supply should a failure occur in Route 12 between the Ledyard/Groton town line and the Thames River Crossing (see attached plan).

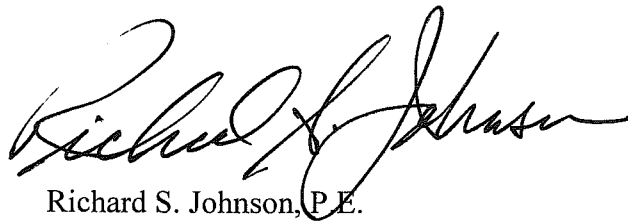
4. The extension would also provide for future supply of water to the Town of Preston (or perhaps the State Hospital property in Preston) at Avery Hill Road.

We trust this adequately clarifies the benefits of this proposed project. Please call if you have any question.

Very truly yours,

AMORY ENGINEERS, P.C.

By:



Richard S. Johnson, P.E.

RSJ:vs
enc.
cc: Ledyard Water Pollution Control Authority