

AMORY ENGINEERS, P.C.

WATER WORKS • WATER RESOURCES • CIVIL WORKS

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MEMORANDUM

TO: Mr. Charles Karno
Town Planner

FROM: Richard S. Johnson, P.E., Amory Engineers, P.C.

SUBJECT: Background Information on Water to Aljen Heights

DATE: February 7, 2010

SUMMARY:

As we discussed, the extension of water to Aljen Heights (AH) has been a potential project for the WPCA for a number of years. We note the following items are noted in Town Reports, Water Supply Plans or recent projects that I have been involved with the WPCA:

- 1980-81 Study of Septic System Failures (Hayden, Harding & Buchanan) – questionnaire problems w/ septic systems or water wells sent to Ledyard residents (unclear on specific areas of Town).
 - Maps & charts of problem areas & extent of contamination
 - Public hearings on progress and request additional input
 - Final report in 1981
- 1983 WPCA & HH&B discuss projected costs of Alternate 9 for Gales Ferry and Aljen Heights
 - Paul Terry meets w/ T/C to proceed w/ Alternate 9
 - WPCA presents Alternate 9 to Gales Ferry residents; Gales Ferry residents vote against proceeding 55 to 32.
 - WPCA presents Alternate 9 to Aljen Heights residents; AH residents vote against proceeding 48 to 2.
- 1994 Water Supply Plan – noted AH community experiencing failures of septic systems, possible contamination of private wells and wells going dry. Questionnaire distributed, possible installation of community system under consideration.
- 2000 Water Supply Plan – noted AH experiencing failures of septic systems, possible contamination of private wells and wells going dry. Connection of area to Gales Ferry system or Norwich (via Preston).

- 2003-2004 Ledyard Plan of Conservation and Development
 - WPCA has aggressively addressed water supply problems....The Town should continue these efforts
 - Priority areas for provision of potable water
 - Aljen Heights
 - Avery Hill
 - Ledyard Center
 - Neighborhoods east of Rte. 12
 - Existing houses surrounding Long Pond
- 2004 WPCA assumes operation of Avery Trailer Park.
- 2005 Water Supply Plan – noted AH experiencing failures of septic systems, possible contamination of private wells and wells going dry. Connection of area to Gales Ferry system and interconnection to Rte 117 Ledyard Center (water system forms an “H” between Routes 12, 214 and 117).
- 2005-2006 WPCA replaces all mains in Avery Hill Trailer Park (sizing to accommodate future extension to Aljen Heights).
- 2006-2007 WPCA constructs emergency interconnect between Gales Ferry (at Holmberg Storage Tank site) and Avery Hill Trailer Park.
- 2008-2009 WPCA initiates conceptual design of extension to Aljen Heights. Sanitary survey issues at Avery Hill Trailer Park are noted by DPH.
- 2009 WPCA/Town Council prepare design of Phases 1A, 1B and 2 to serve Aljen Heights.
- 2009-2010 WPCA investigates ARRA, SRF and Congressional funding of Aljen Heights water extension.

This represents a brief summary of the history of the WPCA/Town’s action to bring municipal water to the Aljen Heights area. Please call if you have any question

Richard S. Johnson, P.E.

RSJ

cc: WPCA

Mayor Fred Allyn