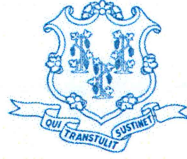


STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

Jewel Mullen, M.D., M.P.H., M.P.A.
Commissioner



Dannel P. Malloy
Governor
Nancy Wyman
Lt. Governor

MEMORANDUM

TO: Eric McPhee, Supervising Environmental Analyst, Drinking Water Section

FROM: Patricia Bisacky, Environmental Analyst 3

DATE: March 2, 2015

SUBJECT: Notice of Scoping for the Hawleyville Low-Pressure Sewer Extension

DPH PROJECT: 2015-0083

TOWN: Newtown

The Source Assessment and Protection Unit of the Department of Public Health (DPH) Drinking Water Section (DWS) has reviewed the Notice of Scoping for the Hawleyville Low-Pressure Sewer Extension. The town of Newtown intends to provide a low pressure sanitary sewer system servicing properties in the Hawleyville section of Town. Properties that are currently developed will be provided with a semi-positive displacement grinder pump and a service lateral. The system will be sized to accommodate the potential flows from currently vacant properties along the route. It is estimated that approximately 7,350 linear feet of low pressure sewer and approximately 500 linear feet of gravity sewer will be provided as a part of this project. If sufficient project budget exists, a 6-inch dry force main will be installed in the same trench as the low pressure sewer.

Although a water main connecting the Aquarion Newtown and Chimney Heights Systems runs along Mount Pleasant Road, a review of the DWS database indicates that the following public water systems in the proposed sewer service area remain on their own wells:

Public Water System	PWSID Number	Administrative Contact	Mailing Address	Telephone
130 Mount Pleasant Tavern, LLC (McGuire's)	CT0979284	Shaun Fuller	130 Mount Pleasant Road, Newtown	203-295-3400
133 Mount Pleasant Road	CT0970254	Paul Hilario	131 Mount Pleasant Road, Newtown	203-426-1459
Hilario's Variety Store (Citgo)	CT0970224	Paul Hilario	131 Mount Pleasant Road, Newtown	203-426-1459
Grace Christian Fellowship	CT0970194	Pastor Barry W. Fredericks	174 Mount Pleasant Road, Newtown	203-270-1005

The DWS considers grinder pumps, sanitary sewer manholes and cleanouts to be sources of pollution that require the maximum separating distance to public water supply wells pursuant to the Regulations of Connecticut State



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Notice of Scoping Hawleyville Low-Pressure Extension

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Agencies (RCSA) Section 19-13-B51(d). Sanitary sewer piping and joints may be allowed to be closer if it can be demonstrated to the DPH that the piping and joint are sound enough to prevent leakage. Separating distances are dependent on the withdrawal rate of the well; therefore the noted public water systems should be contacted during the design phase to verify the withdrawal rate of their public drinking water supply wells in order to ensure that they are appropriately protected from sanitary encroachments. In addition to ensuring that the sanitary sewer system is designed to be protective of public health, during construction the recommendations in the attached document [“General Construction Best Management Practices for Sites within a Public Drinking Water Supply Area”](#) should be adhered to.

The low-pressure sewer and dry force main should be designed and constructed to be protective of the existing public water supply main in Mount Pleasant Road. The attached [“Water Main Design and Construction Guidelines”](#) provides guidance on separating distances between sanitary sewers and public water supply mains. Specifically, Section (6) Separating Distances from Sources of Pollution, under the “Installation” subheading should be referenced when designing the system.

Power outages create a unique issue for facilities that have grinder pumps and are served by public water. Public water service is generally not interrupted by power outages but grinder pumps need electricity to operate. Users of the low-pressure sewer system should be made aware this issue and be provided educational materials on how to prevent sewage backups and overflows during power outages.