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November 21, 2024

Mr. Tom Villa, PE
Town of Bethel Public Utilities Department
1 School Street
Bethel, Connecticut 06801

RE: 53 Taylor Avenue
Bethel, Connecticut

Dear Tom,

In accordance with the 2009 Sewer Rules and Regulations for the Town of Bethel, I am submitting a request to extend both the sanitary sewer and public water line which currently end in front of 18 Taylor Avenue up Taylor Avenue to 53 Taylor Avenue which is owned by TD and Sons, Inc. TD and Sons, Inc. are proposing a multi-family development of 26 one-bedrooms under 8-30g of the Connecticut General Statutes.

The four specific points found in Section 4.2 Preliminary Application will be addressed below:

1. The property at 53 Taylor Avenue is located with the current sewer district according to town mapping which implies that capacity is available. It is also noted that the Town of Bethel has the ability to send 2 million gallons of effluent per day to the City of Danbury treatment plan and the current usage is only 1.2 million gallons per day. So the available capacity is approximately 800,000 gallons per day.
2. As the property is located within the current sewer district, this extension would be in compliance with the a previously approval by the BPUC to include this area in the sewer district.
3. The estimated flow using 150 gallons per day per bedroom yields a discharge of 3,900 gallons per day (gpd). Based upon water usage in similar developments, the average daily flow for a one-bedroom unit is 100 gpd or less, so the average daily discharge would be 2,600 gpd. The potential maximum daily discharge would be 5,850 gpd by the applicant of a peaking factor of 50%. The five other properties which could connect to this sewer extension would generate approximately an additional 3,000 gallons per day (assuming each residence contains four bedrooms).
4. The sewer extension does comply with the Bethel Plan of Conservation and Development, specifically the plan for sewer expansion shown on page 48 of the report which shows the existing sewer district including this site and many more of them to the south of 53 Taylor Avenue.

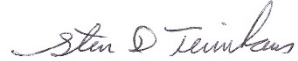
The proposed extension of the sanitary sewer and water lines would provide a benefit to at least five homes along the section of Taylor Avenue who have experienced issues with their current on-site sewage disposal systems.

I am providing five full sets of the proposed development plans for the project. Both plan and profile views of the proposed sewer and water lines are included.

Please place this on your next agenda of the Bethel Public Utilities Commission for consideration. Please let me know what the application fee will be and I will have the owner provide to your office.

Please contact my office if you have any questions on this request.

Respectfully submitted,
Trinkaus Engineering, LLC



Steven D. Trinkaus, PE