



January 15, 2018

Mr. Michael F. Dwyer
Bohler Engineering NJ, LLC
35 Technology Dr.
Warren, NJ 07059

**RE: Sanitary Sewer & Water Will Serve Request
Route 130 South
Block 230, Lot 15
North Brunswick, NJ
Our File No.: PNO02018.01**

Dear Mr. Dwyer:

In response to your recent request regarding the availability of sewer and water service at the above referenced site, we offer the following.

The Township of North Brunswick owns and operates the wastewater collection system. Wastewater is thereby conveyed to the Middlesex County Municipal Utilities Authority (MCUA) for treatment. The Township of North Brunswick is the water purveyor, and also owns and operates the water distribution system with the assistance of American Water Contract Services.

Excerpts of current mapping of the water distribution and sewer collection systems in proximity to the above referenced property have been attached. Please note that this mapping is schematic and approximate and should not be used as a substitute for detailed field surveys.

Wastewater

As per your recent request letter, the following sewer demand is anticipated for the site:

- Food Store Flow: 5,694 sq. ft. @ 0.100 gpd/sq. ft. = 569.4 gallons/per/day
- Automobile Service Flow: 8 pumps @ 250 gpd/pump = 2,000 gallons/per/day
- Restaurant Flow: 21 seats @ 50 gpd/person = 1,050 gallons/per/day
- Total average Sanitary Sewer Flow: 3,619.4 gallons/per/day

Our review of the current conditions indicates that there are no apparent sewer capacity problems immediately downstream of the proposed facility. However during the approval process, the Applicant shall submit a report prepared by a Professional Engineer, licensed in the State of New Jersey, that addresses the anticipated sanitary flows to be generated by the proposed site development, the existence and adequacy of the downstream conveyance



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system to accept the proposed flows and the availability of third party facilities to accept and treat the wastewater flow.

If the proposed development contributes flows exceeding the capacity of the collection system which is currently available, the Applicant will be required to positively mitigate such conditions.

As far as treatment is concerned, the project consistency with the Area-Wide Water Quality Management Plan should be confirmed by applying to the MCUA for a Sewer Authority Determination. Requests should be sent to:

Richard L. Fitamont, P.E., Executive Director
Cc: Kevin Aiello, Administrator of Environmental Quality
Middlesex County Utilities Authority
P.O. Box 159
Sayreville, New Jersey 08872

As far as the physical connection is concerned, the North Brunswick Township Department of Public Works should be contacted for their specific requirements at 732-297-1134.

Water

As per your recent request letter, the following potable water demand is anticipated for the site:

- Food Store: 5,694 sq. ft. @ 0.125 gpd/sq. ft. = 711.75 gallons/per/day
- Automobile Service: 8 pumps @ 250 gpd/pump = 2,000 gallons/per/day
- Restaurant Demand: 21 seats @ 10 gpd/person X 3 = 630 gallons/per/day
- Total average Water Demand: 3,341.75 gallons/per/day

Our review of the current conditions indicates that there appears to be adequate system water pressure in the vicinity of the proposed facility to service the site. However, during the approval process, the Applicant shall submit a report prepared by a Professional Engineer, licensed in the State of New Jersey, addressing the existence and adequacy of the distribution system to provide for the proposed flows including, at a minimum, the following requirements:

- a. Volume and pressure necessary to provide sufficient flow, including at any interior fire suppression systems (if required), to provide adequate fire protection for all elements of the development site in accordance with NFPA requirements and all appropriate fire codes and/or requirements;
- b. Test data and calculations demonstrating that the require ISO Fire Flows and pressures can be provided from the existing system;



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- c. Anticipated volume of water and pressure needed to adequately service the project with potable water.

If the proposed development requires volumes, flows or pressures exceeding that which is currently available from the distribution system, the Applicant shall be required to positively mitigate such conditions.

As far as the physical connection is concerned, American Water Contract Services should be contacted for their specific requirements at 732-297-7332.

Should you have any questions regarding this matter, please do not hesitate to contact this office.

Very Truly Yours,
CME Associates

John D. Kriskowski, P.E.
Township Engineer's Office

JDK/sam

cc: Michael Hritz, Director of Community Development
Scott Kunz, Engineering Project Manager

