



March 28, 2024

Mr. Manny Glatzer
Key Developers NY Inc.

Via Electronic Transmission

RE: Phase III Exploration Program
Prospect Road Site
Village of South Blooming Grove

Dear Mr. Glatzer:

The estimated water demand for Phase I build out, a summary of the preliminary well yields of the successful wells completed to date and the proposed Phase III Exploration program are as follows.

Water Demand

The water demand estimate for the initial phase of the project consisting of 35 residential units with a total of 245 bedrooms (110 gpd (gallons per day) per bedroom) is 26,950 gpd or about 18.7 gpm (gallons per minute). The Town and the State regulatory agencies will require the development of twice the average water (53,900 gpd or about 37.5 gpm), eliminating the best well out of service in determining water-supply adequacy.

At this time and for some time in the future, the option of connecting to the Village of South Blooming Grove's water-supply system is not an option. This is due to significant water-supply and infrastructure deficiencies. In addition, the New York State Department of Environmental Conservation (NYSDEC) is not allowing the connection of new projects to the Village's system due to the significant water-supply and infrastructure deficiencies. In September, the NYSDEC confirmed that the Agency will not approve the connection of the Clovewood water-supply sources to the Village. This has resulted in a significant setback to the overall water-supply plan of the Village. Subsequently, you will have to develop a standalone water-supply source for your project.

Summary of the Drilling Exploration Program

A summary of the preliminary yield estimates of the successful wells completed to today are provided below.

Well 2 - 24-hour pump test duration. Preliminary yield estimate is 25 plus gpm.

Well 3 - 24-hour pump test duration. Preliminary yield estimate is 14-15 gpm.

Well 4 - 24-hour pump test duration. Preliminary yield estimate is 15 gpm.

Well 7 - 8-hour pump test duration. Preliminary yield estimate is 20+ gpm.

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It should be noted these are preliminary yield estimates. More formal 72-hour pumping tests will have to be conducted to confirm the sustainable yield. At the present time, Well 2 is the best well. During the test on Wells 3 and 4, there was some mutual interference observed between these wells that may impact the combined yield under simultaneous pumping conditions.

Considering the Village and the State regulatory agencies will require the development of twice the average water (53,900 gpd or about 37.5 gpm), eliminating the best well out of service (Well 2) and with a preliminary yield estimate of about 50+ gpm from Wells 3, 4, and 7; at this time it is most likely that the yield from the existing wells developed to date can meet the Phase I buildout.

Please feel free to contact me directly at (475) 882-1704 with any questions or comments you may have.

Kind regards,

WSP USA

A handwritten signature in black ink, appearing to read 'T. Cusack'.

Thomas P. Cusack, CPG, PG(NY)
Vice President

TPC:cmm

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