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March 28, 2017

Mr. Jay Sheers, Chairman
City of Beacon Planning Board
1 Municipal Center
Beacon, NY 12508

Re: Infiltration and Inflow Investigation
55 Prospect Street Subdivision
55 Prospect Street
City of Beacon, New York
Tax ID: 6054-46-243586

Dear Chairman Sheers:

Hudson Land Design (HLD) has completed an infiltration and inflow investigation at the above referenced parcel as required by the City of Beacon. The investigation was conducted on March 27, 2017 at the existing residence at 55 Prospect Street, which consists of a two-story brick façade building, which serves as the primary residence of the applicant.

The first phase of the study consisted of an exterior inspection of the building to determine the location of roof leader discharge points. The two-story building has an open gabled roof with a ridgeline and a covered front porch. The eastern half of the roof has a gutter that collects and conveys the runoff then discharges it easterly (to the front of the residence) towards Prospect Street. The front porch has its own gutter system that collects runoff and discharges it northerly, to the side yard. These are the only existing gutter systems on the two-story residence.

The second phase of the study consisted of interior inspection of the building in an attempt to determine if there are any illicit connections to the building sewer line from sump pumps, floor drains and the like. HLD personnel were able to observe significant sections of interior plumbing to the point where the piping was routed through the northerly foundation wall of the residence (located generally in the northeast corner of the building). The pipe reputedly collects the wastewater from the residence and then flows northeasterly toward Prospect Street's sanitary sewer collection system. HLD

observed a clean-out in the basement on the interior sanitary sewer plumbing along the eastern wall of the residence. At no point along the length of the visible portion of the line did HLD personnel observe any discharges other than from the standard plumbed fixtures. In addition, there were no sump pumps or floor drains observed, nor were there any unidentified pipes that connected to the line beneath the basement floor.

Based on our observations, HLD does not believe that there are any illicit connections from the building located at 55 Prospect Street to the City of Beacon's sanitary sewer collection system.

Should you have any questions, please feel free to call me at 845-440-6926.

Sincerely,

Adam Gasparre

cc: Barbara O'Dell (via email)
Michael A. Bodendorf, P.E. (HLD file)