



*Civil & Environmental Engineering Consultants
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www.HudsonLandDesign.com*

April 25, 2017

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

Re: Infiltration and Inflow Investigation
226 Main Street
City of Beacon, New York
Tax ID:

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 April 24, 2017 at the existing commercial building located at 226 Main Street, which consists of a one-story brick building currently used as an automotive service station.

The first phase of the study consisted of an exterior inspection of the building to determine the location of roof leader discharge points. The existing one-story building has a flat roof with no observable collection system or roof leaders. Rainwater reputedly flows off the building towards the rear property line.

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 not able to observe any sections of interior sanitary sewer plumbing. The sanitary sewer line reputedly flows westerly towards North Elm Street's sanitary sewer collection system from the western building foundation. The sanitary sewer line is assumed to flow into the municipal sewer system, at North Elm Street or towards Main Street. At this time, no dye tests were conducted to verify flow direction.

Two floor drains were observed, one in the garage which reputedly flows towards Main Street's sewer collection system, and one in the bathroom on the western side of the

building. The bathroom floor drain reputedly flows into North Elm Street's sewer collection system.

Based on our observations, HLD does not believe that there are any illicit stormwater connections from the building located at 226 Main Street to the City of Beacon's sanitary sewer collection system. The building is proposed to be removed, so the existing floor drains will be cut and capped at that time.

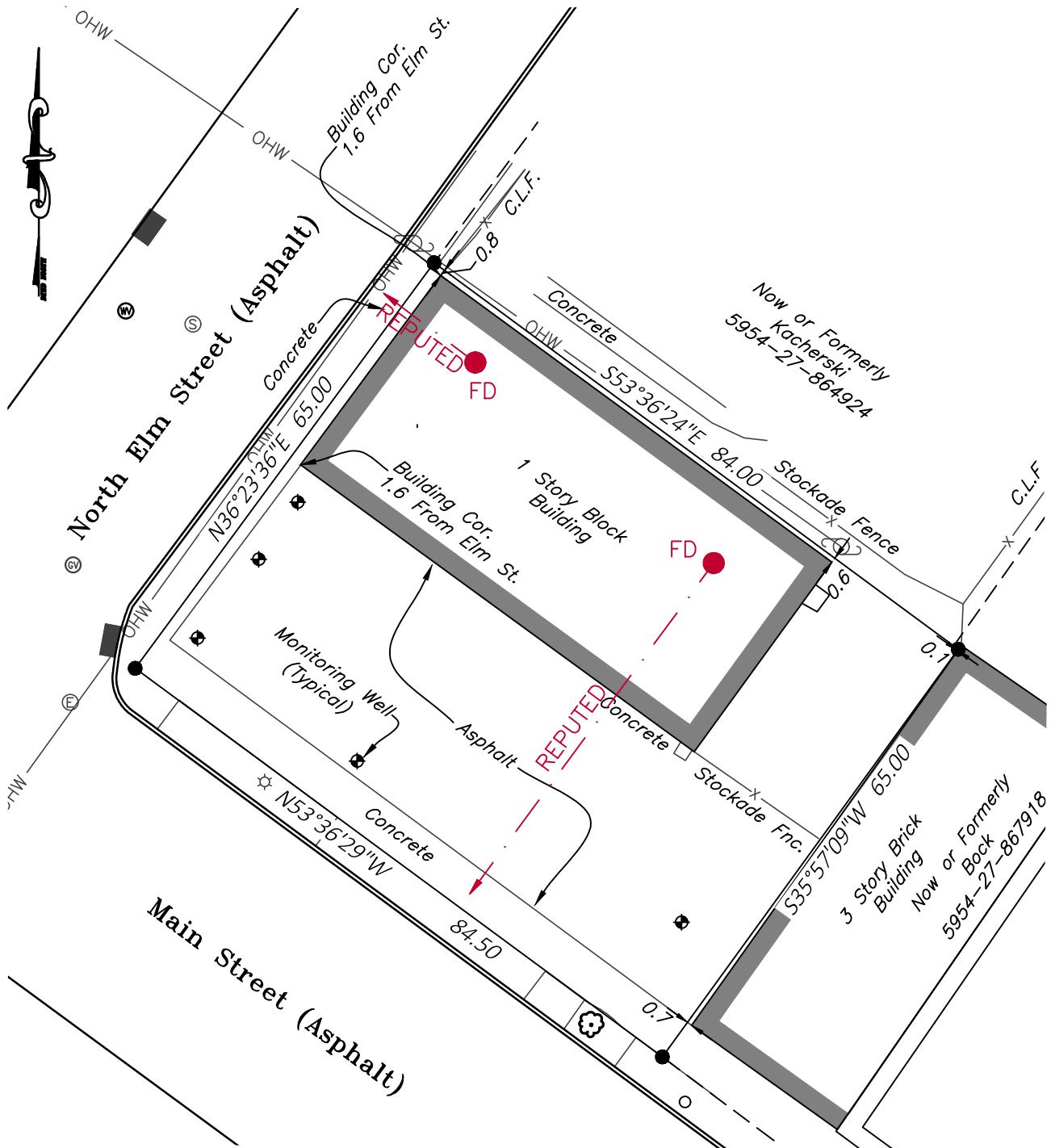
Should you have any questions, please feel free to call me at 845-440-6926.

Sincerely,

A handwritten signature in black ink, appearing to read "Mr. Bodendorf", with a stylized, cursive script.

Michael A. Bodendorf, P.E.

cc: Brendan McAlpine (via email)
Jon D. Bodendorf, P.E. (HLD file)



NOTE: FLOOR DRAIN (FD) DISCHARGE DIRECTIONS PER OWNER, ASSUMED TO DISCHARGE TO THE SEWER. NO DYE TESTS WERE CONDUCTED.

I&I INVESTIGATION

SCALE: 1" = 20'
DATE: APRIL 25, 2017

PREPARED FOR:
226 MAIN STREET
±0.13-ACRE PARCEL
MAIN STREET AND NORTH ELM STREET
CITY OF BEACON
DUTCHESS COUNTY, NEW YORK
TAX PARCEL 5954-27-860918



PREPARED BY:
HUDSON LAND DESIGN
PROFESSIONAL ENGINEERING
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BEACON, NY 12508
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