



Town of Bristol, RI
WATER POLLUTION CONTROL DEPARTMENT
2 PLANT AVENUE
BRISTOL, RI 02809-3015
(401) 253-8877 fax: (401) 253-2910

TOWN HALL
10 COURT STREET
BRISTOL, RI 02809
(401) 253-7000

Jose' J. Da Silva, Superintendent

8/5/2025

To: Chris Duhamel, P. E.
Principal
2 Stafford Court
Cranston, RI 02920

Re: Sewer Revisions Submission (7-11-2025)
Master Plan Submission – Comfort Inn & Suites
Gooding Avenue, Assessor's Plat 111 Lot 1

Dear Mr. Duhamel

The Bristol Water Pollution Control Department has reviewed the referenced Master Plan submission as it relates to the proposed hotel's sanitary sewer service. The Department conceptually agrees with the proposed system that consists of:

- Small submersible pumping station to service the hotel
- Force main connection to the 15-inch gravity sewer easement east of the proposed hotel
- 8,000 gallon tank for storage of wastewater

It is understood that the details of the design will be submitted for review as the project progresses. Comments related to the design are attached for reference.

We trust that this conceptual approval meets the project needs at this time. Please contact me with any questions.

Sincerely,

Jose' Da Silva
Superintendent
Bristol WPCF

Sewer Service Connection Review - Second Submission - July, 2025
Comfort Inn and Suites
Gooding Ave, Bristol RI

Drawing Reference:

Master Plan Submission: Comfort Inn and Suites, Located on Gooding Avenue, Bristol RI,
Assessor's Plat 111 Lot 1, Diprete Engineering "Rev 5 – 7/9/2025"

Proposed Sewer Connection:

- 80 Room Hotel
- Sheet 7 & 8: Drainage and Utility Plan
- Sheet 13: Detail Sheet 2
- Pumping System with 4-inch force main sewer connection depicted on easement downstream of plan SMH-13: Rim = 68(+/-) Inv = 59(+/-)
- Service Pumping Station
 - Duplex submersible pump station with ability to overflow to Wastewater Storage Tank size ~ 7,000 gallons
 - Stored wastewater designed to flow back to pump station and controlled by manual valve

Comments:

Collection system to receive flow from proposed hotel is limited in capacity and is subject to surcharge conditions during rain events, with sanitary sewer overflow conditions at down-stream manhole. General concern is that during rain events sewer main will surcharge and flow from hotel may worsen conditions of surcharge and increase volume of sanitary sewer overflow.

Current design depicts the ability to store approximately 7,000 gallons of wastewater but does not provide a plan for when pumps will be restricted for use.

Please provide the following additional information.

- 1) Operational plan to restrict pump usage during rain events. Coordinate plan with Town Water Pollution Control Department prior to submission
- 2) Wastewater flow estimate
 - Peak flow estimate
 - Required Pump Capacity
- 3) Computation to support overflow storage tank sizing
- 4) Computations to support pump size and force main size
 - Pump station capacity should be minimum size practical to manage wastewater flow.
- 5) Gate valve and check valve on depicted on Inset A on Sheet 8 should be in a structure for operation and maintenance.
- 6) Confirm tanks will be designed to withstand hydrostatic uplift