

October 10, 2023

Ref: 42240.02

Re: Shri Shirdi Temporary Congregation
15 Burnham Street Extension
Manchester, CT 06042

To Whom It May Concern,

VHB, on behalf of OM Foundation, Inc. is proposing to construct an approximate $\pm 2,475$ SF temporary congregation building on the western portion of the parcel located at 15 Burnham Street Extension in Manchester, CT. We are providing preliminary calculations using the Connecticut Public Health Code to estimate the impacts on the Town's water supply and sanitary sewer system.

An estimated sanitary flow for a Church/Religious building, based on the planned occupancy of 40 people, is calculated to be approximately 40 GPD for worship service (1 GPD per seat) or 200 GPD for a social event (5 GPD per meal based on 40 meals). The proposed use is not projected to have meal service, but to be conservative, we are estimating 200 GPD of anticipated flow.

The South Windsor town line borders the property directly to the north. Under existing conditions, wastewater in the area of our site from the Town of Manchester flows to the Town of South Windsor via a 15" sanitary line in Chapel Rd, going northwest. The temple's proposed sanitary line, once connected to the existing sanitary main within Chapel Road, only travels through the Town of Manchester closed sewer system for approximately 500ft before it enters the Town of South Windsor.

Water service for the building is proposed to connect to the existing 16" CIDIP main within Burnham Street Extension as shown on the site plans. A 200 GPD water flow is estimated (calculated above) as the anticipated water flow "in" equals the anticipated sanitary flow "out".

Please reach out if you have any additional questions or comments.

Sincerely,

Vanasse Hangen Brustlin, Inc.

A handwritten signature in blue ink that reads "Mark Grocki".

Mark Grocki, P.E.

Project Manager
mgrocki@vhb.com