

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.

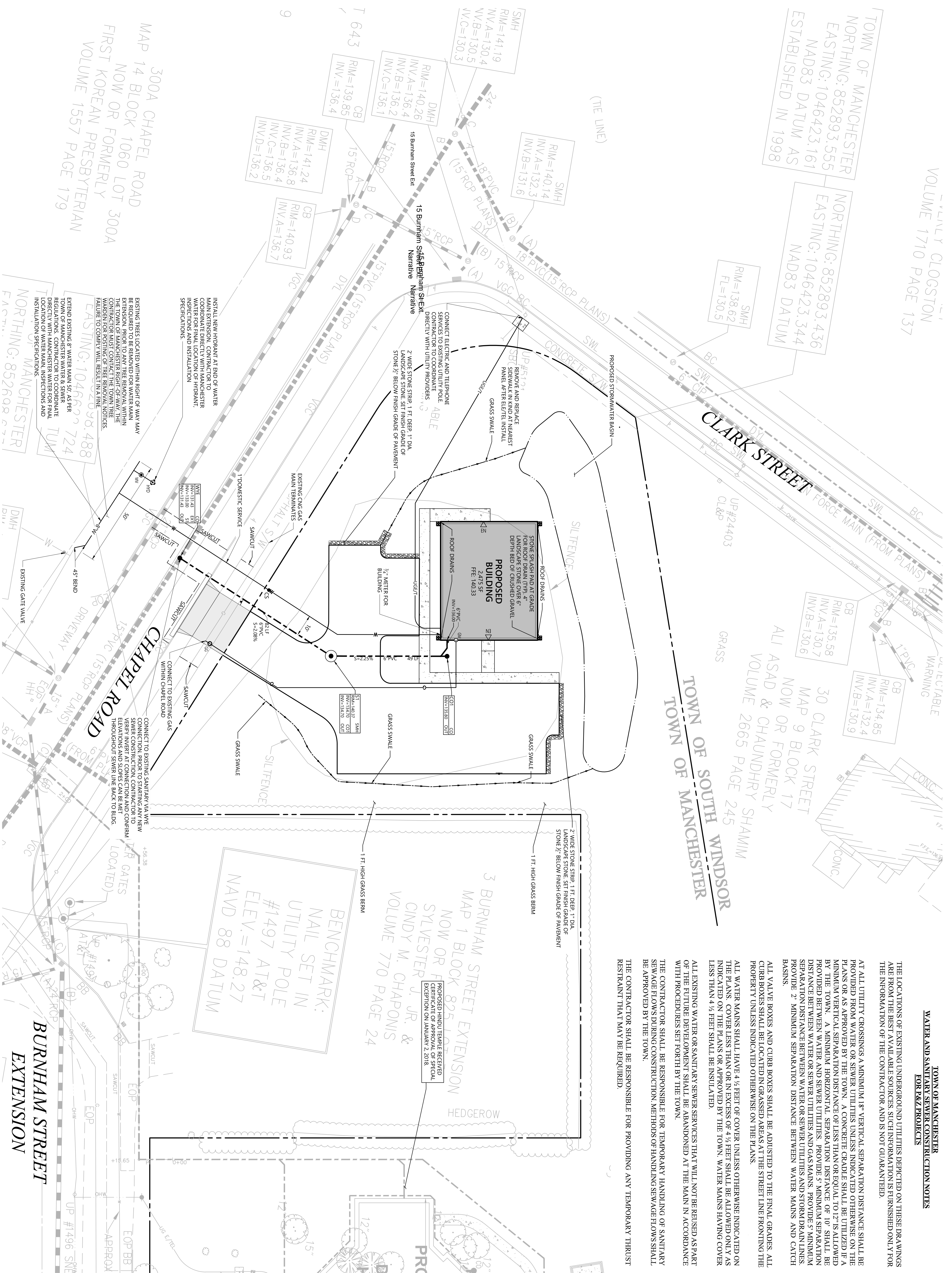
Sincerely,

Vanasse Hangen Brustlin, Inc.



Mark Grocki, P.E.

Project Manager
mgrocki@vhb.com



TOWN OF MANCHESTER
NORTHING: 852893.555
EASTING: 1046423.161
NAD83 DATUM AS
ESTABLISHED IN 1998

TOWN OF MANCHESTER
NORTHING: 852893.436
EASTING: 1046423.344
NAD83 DATUM

TOWN OF SOUTH WINDSOR
TOWN OF MANCHESTER
30 CLARK STREET
MAP 9 BLOCK 17
NOW OR FORMERLY
VOLUME 2665 PAGE 245
ALL ASAD & CHAUNDHRY SHAMIM

MAP 14 CHAPEL ROAD
NOW OR FORMERLY
FIRST KOREAN PRESBYTERIAN
VOLUME 1557 PAGE 179

EXISTING TREES LOCATED WITHIN RIGHT OF WAY MAY BE REMOVED FOR WATER MAIN EXTENSION. CONTRACTOR TO COORDINATE WITH MANCHESTER WATER & SEWER DEPARTMENT FOR TREE REMOVAL NOTICES. FAILURE TO COMPLY WILL RESULT IN A FINE.

INSTALL NEW HOBSPANT AT END OF WATER MAIN EXTENSION. CONTRACTOR TO COORDINATE DIRECTLY WITH MANCHESTER WATER FOR FINAL LOCATION OF HOBSPANT, INSPECTIONS AND INSTALLATION SPECIFICATIONS.

EXISTING EXISTING 8" WATER MAIN 50' AS PER TOWN OF MANCHESTER WATER & SEWER REGULATIONS. CONTRACTOR TO COORDINATE DIRECTLY WITH MANCHESTER WATER FOR FINAL LOCATION OF WATER MAIN, INSPECTIONS AND INSTALLATION SPECIFICATIONS.

EXISTING EXISTING 8" WATER MAIN 50' AS PER TOWN OF MANCHESTER WATER & SEWER REGULATIONS. CONTRACTOR TO COORDINATE DIRECTLY WITH MANCHESTER WATER FOR FINAL LOCATION OF WATER MAIN, INSPECTIONS AND INSTALLATION SPECIFICATIONS.

**TOWN OF MANCHESTER
WATER AND SANITARY SEWER CONSTRUCTION NOTES
FOR R&Z PROJECTS**

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES DEPICTED ON THESE DRAWINGS ARE FROM THE BEST AVAILABLE SOURCES. SUCH INFORMATION IS FURNISHED ONLY FOR THE INFORMATION OF THE CONTRACTOR AND IS NOT GUARANTEED.

AT ALL UTILITY CROSSINGS A MINIMUM 18" VERTICAL SEPARATION DISTANCE SHALL BE PROVIDED FROM WATER OR SEWER UTILITIES UNLESS INDICATED OTHERWISE ON THE PLANS OR AS APPROVED BY THE TOWN. A CONCRETE GRADE SHALL BE UTILIZED IF A MINIMUM VERTICAL SEPARATION DISTANCE OF LESS THAN OR EQUAL TO 12" IS ALLOWED BY THE TOWN. A MINIMUM HORIZONTAL SEPARATION DISTANCE OF 10" SHALL BE PROVIDED BETWEEN WATER AND SEWER UTILITIES. PROVIDE 5' MINIMUM SEPARATION DISTANCE BETWEEN WATER OR SEWER UTILITIES AND GAS MAINS. PROVIDE 5' MINIMUM SEPARATION DISTANCE BETWEEN WATER OR SEWER UTILITIES AND STORM DRAIN LINES. PROVIDE 2' MINIMUM SEPARATION DISTANCE BETWEEN WATER MAINS AND CATCH BASINS.

ALL VALVE BOXES AND CURB BOXES SHALL BE ADJUSTED TO THE FINAL GRADES. ALL CURB BOXES SHALL BE LOCATED IN GRASSED AREAS AT THE STREET LINE FRONTING THE PROPERTY UNLESS INDICATED OTHERWISE ON THE PLANS.

ALL WATER MAINS SHALL HAVE 4 1/2 FEET OF COVER UNLESS OTHERWISE INDICATED ON THE PLANS. COVER LESS THAN OR IN EXCESS OF 4 1/2 FEET SHALL BE ALLOWED ONLY AS INDICATED ON THE PLANS OR APPROVED BY THE TOWN. WATER MAINS HAVING COVER LESS THAN 4 1/2 FEET SHALL BE INSULATED.

ALL EXISTING WATER OR SANITARY SEWER SERVICES THAT WILL NOT BE REUSED AS PART OF THE FUTURE DEVELOPMENT SHALL BE ABANDONED AT THE MAIN IN ACCORDANCE WITH PROCEDURES SET FORTH BY THE TOWN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY HANDLING OF SANITARY SEWAGE FLOWS DURING CONSTRUCTION. METHODS OF HANDLING SEWAGE FLOWS SHALL BE APPROVED BY THE TOWN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY TEMPORARY THRUST RESTRAINT THAT MAY BE REQUIRED.

APPROVED
PLANNING & ZONING
COMMISSION
MANCHESTER, CONN.

DATE: _____
SIGNED: _____



0 10 20 40 Feet

Shri Shirdi
Temporary
Congregation Building
15 Burnham Street Extension
Manchester, Connecticut 06042

No.	Revision	Date	App'd
1	TOWN COMMENTS	08/15/2023	
2	BUILDING PERMIT	08/14/2023	
3	WATER LINE CHANGE	08/28/2023	
4	FINAL PERMIT SET	08/31/2023	
5	WATER & SEWER REVISION PER TOWN COMMENT 09/26/2023		

Designed by: AMK
Checked by: MRG
Issued for: Local Approvals
Date: 05/03/2023

Utility Plan
Drainage Plan
C-4.0



Sheet 5 of 5
Project Number: 42240.02

