



WPA Form 8A – Request for Certificate of Compliance

SE48-3599

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by DEP

A. Project Information

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Upon completion of the work authorized in an Order of Conditions, the property owner must request a Certificate of Compliance from the issuing authority stating that the work or portion of the work has been satisfactorily completed.

1. This request is being made by:(current Title holder):

SUSAN SYLVIA

Name

BOX 637

Mailing Address

NANTUCKET

City/Town

MA.

State

02554

Zip Code

508-228-9579

Phone Number

2. This request is in reference to work regulated by a final Order of Conditions issued to:

SUSAN SYLVIA

Applicant

12/6/2022

Dated

SE48-3599

DEP File Number

3. The project site is located at:

63 TENNESSEE AVENUE

Street Address

59.4

Assessors Map/Plat Number

MADAKET, NANTUCKET

City/Town

103

Parcel/Lot Number

4. The final Order of Conditions was recorded at the Registry of Deeds for : (name on Order)

SUSAN SYLVIA

Property Owner (if different)

NANTUCKET

County

Book

Page

21671

Certificate (if registered land)

5. This request is for certification that (check one):

the work regulated by the above-referenced Order of Conditions has been satisfactorily completed.

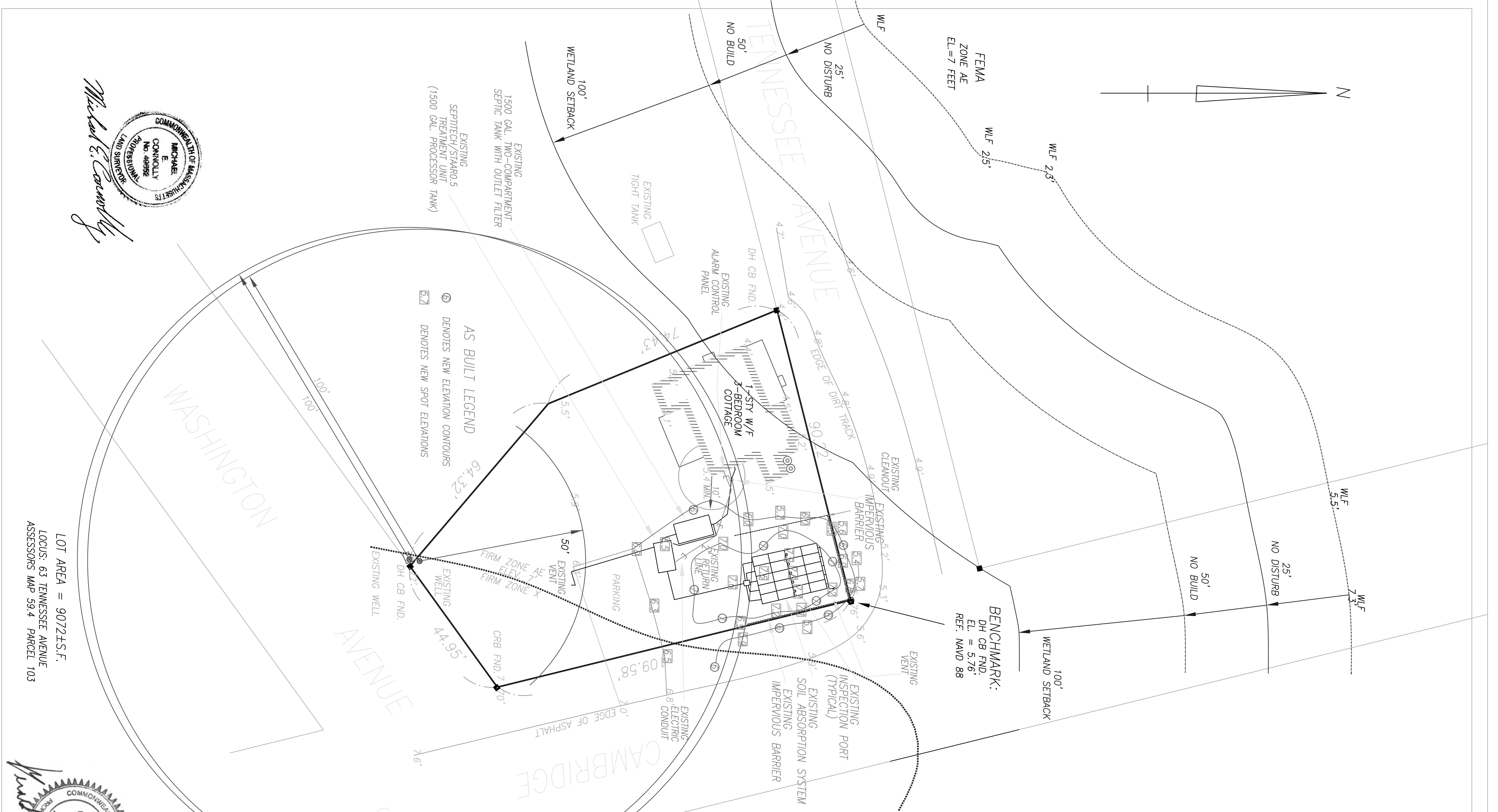
the following portions of the work regulated by the above-referenced Order of Conditions have been satisfactorily completed (use additional paper if necessary).

the above-referenced Order of Conditions has lapsed and is therefore no longer valid, and the work regulated by it was never started.

A. Project Information (cont.)

6. Did the Order of Conditions for this project, or the portion of the project subject to this request, contain an approval of any plans stamped by a registered professional engineer, architect, landscape architect, or land surveyor?

Yes If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.

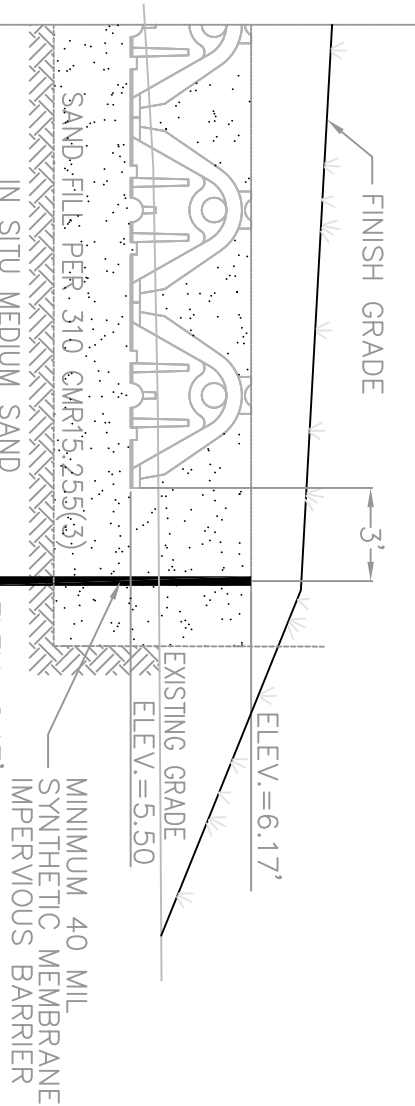


LOT AREA = 9072±S.F.
 LOCUS, 63 TENNESSEE AVENUE
 ASSESSORS MAP 59.4 PARCEL 103

Michael E. Connolly
 Gerald G. Sullivan

SEPTITECH NOTES:

- SEPTITECH PROCESSOR SHALL BE INSTALLED IN FULL ACCORDANCE WITH SEPTITECH INSTALLATION INSTRUCTIONS AND ALL CONDITIONS OF THE MASSDEP REMEDIAL ACTION PROGRAM.
- TANKS SHALL NOT BE INSTALLED AT A DEPTH ANY GREATER THAN 36 INCHES. TANK INSTALLATIONS REQUIRING A DEPTH GREATER THAN 36 INCHES SHALL DO SO ONLY WITH PRIOR APPROVAL OF SEPTITECH, INC. RISERS REQUIRED TO BRING THE ALUMINUM HATCHES TO GRADE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- TANKS SHALL BE INSTALLED WITH A MINIMUM OF 12 INCHES OF COMPACTED CRUSHED STONE BEDDING. SELECT FILL SHALL BE USED FOR BACKFILLING AROUND TANKS. NATIVE MATERIAL MAY BE USED IF APPROVED BY THE DESIGN ENGINEER.
- WATER TESTING: CONTRACTOR SHALL BE RESPONSIBLE FOR WATER TESTING. THE CONTRACTOR SHALL PROVIDE THE WATERS TESTING SHALL CONDUCTED WITH ACCORDANCE WITH ASTM 1227-92. INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CLEAN WATER FOR THE TESTING, FILLING THE TANKS, AND PUMPING THE TANKS DRY ONCE TESTING IS COMPLETED.
- EXTERIOR PIPING: CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL EXTERIOR PIPING PER SEPTITECH INSTALLATION DRAWINGS.
- AIR INTAKE PIPING: AIR INTAKE SMOKESTACK SHALL BE INSTALLED WITHIN 100 FEET OF THE SEPTITECH PROCESSOR TANK. AIR INTAKE PIPING SHALL BE INSTALLED SUCH THAT A CONTINUOUS DOWNWARD FLOW OF AIR IS MAINTAINED THROUGHOUT THE TANK.
- PIPE INSULATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSULATING ALL PIPING EXTERIOR TO THE SEPTITECH PROCESSOR INCLUDING THE DISCHARGE LINE FROM THE PROCESSOR TO THE DISTRIBUTION BOX.
- TANK INSULATION: AFTER CONCRETE TANKS HAVE BEEN INSTALLED AND WATER TESTING IS COMPLETED, THE CONTRACTOR SHALL INSULATE THE TOP AND SIDES OF THE PROCESSOR TANK FROM THE TOP OF THE TANK TO A DEPTH OF AT LEAST 4 FEET WITH 2" RIGID POLYSTYRENE BOARD INSULATION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR INSTALLING INSULATION OVER THE TOP OF THE FORCE MAIN FROM THE SEPTITECH PROCESSOR TANK TO THE DISTRIBUTION BOX IF NOT BORED BELOW GRADE.
- ELECTRICAL: ALL ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR'S LICENSED ELECTRICIAN AND SHALL NOT BE PROVIDED BY SEPTITECH, INC. THE SYSTEM CONTROLLER SHOULD BE INSTALLED IN A HEATED BUILDING WHERE AN AMBIENT TEMPERATURE RANGE OF 60 TO 90 DEGREES FAHRENHEIT IS MAINTAINED IF THE CONTROL PANEL MUST BE LOCATED OUTSIDE. THE CONTRACTOR SHALL NOTIFY SEPTITECH, INC. SO THAT A HEATER MAY BE INSTALLED WITHIN THE ENCLOSURE.
- IF 3-PHASE POWER IS REQUIRED FOR THE INSTALLATION, THE CONTRACTOR SHALL NOTIFY SEPTITECH, INC. AT THE TIME OF INSTALLATION.
- PHONE LINE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING A DEDICATED ANALOG PHONE LINE TO THE SEPTITECH CONTROL PANEL FOR USE TO HAVE ANY WORK PERFORMED UNDER WARRANTY AND WORK PERFORMED ON THE SYSTEM WITHOUT THE INSTALLATION OF THE PHONE LINE SHALL BE AT THE EXPENSE OF THE OWNER.



IMPERIOUS BARRIER CROSS-SECTION

NOTE: IMPERVIOUS BARRIER SHALL BE A SYNTHETIC MEMBRANE OF 40 MIL. THICKNESS MANUFACTURED OF POLYETHYLENE OR HYDROLON FOR USE AS WASTE POND OR LANDFILL LINER. IT SHALL BE INSTALLED AS DETAILED ABOVE AND IN FULL ACCORDANCE WITH 310 CMR 15,255 AND RELATED MASSDEP GUIDELINES.

SEPTIC TANK SIZING CRITERIA:

EXISTING 3-BEDROOM COTTAGE
 DESIGN FLOW: 3 BEDROOMS @ 110 GPD = 330 GPD
 PROPOSED 102±, 614±, 58±, 58± PRECIP. MONO
 ITEM# ST1M (COMPARMENTED ACME-SHOREY OR EQUIVALENT TANK SHALL BE WATERPROOFED WITH BUOYANT F30 OR EQUIVALENT BY MANUFACTURER PRIOR TO DELIVERY TO THE SITE.)

SEPTIC TANK SPECIFICATIONS:

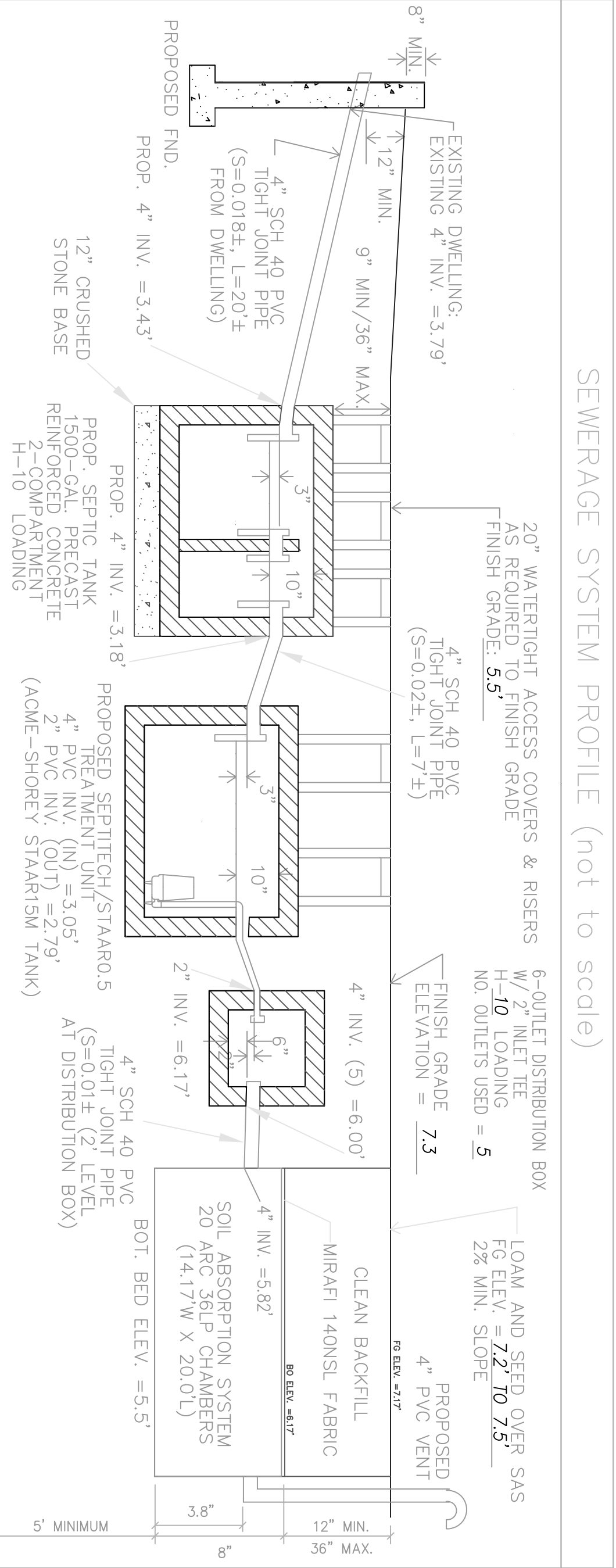
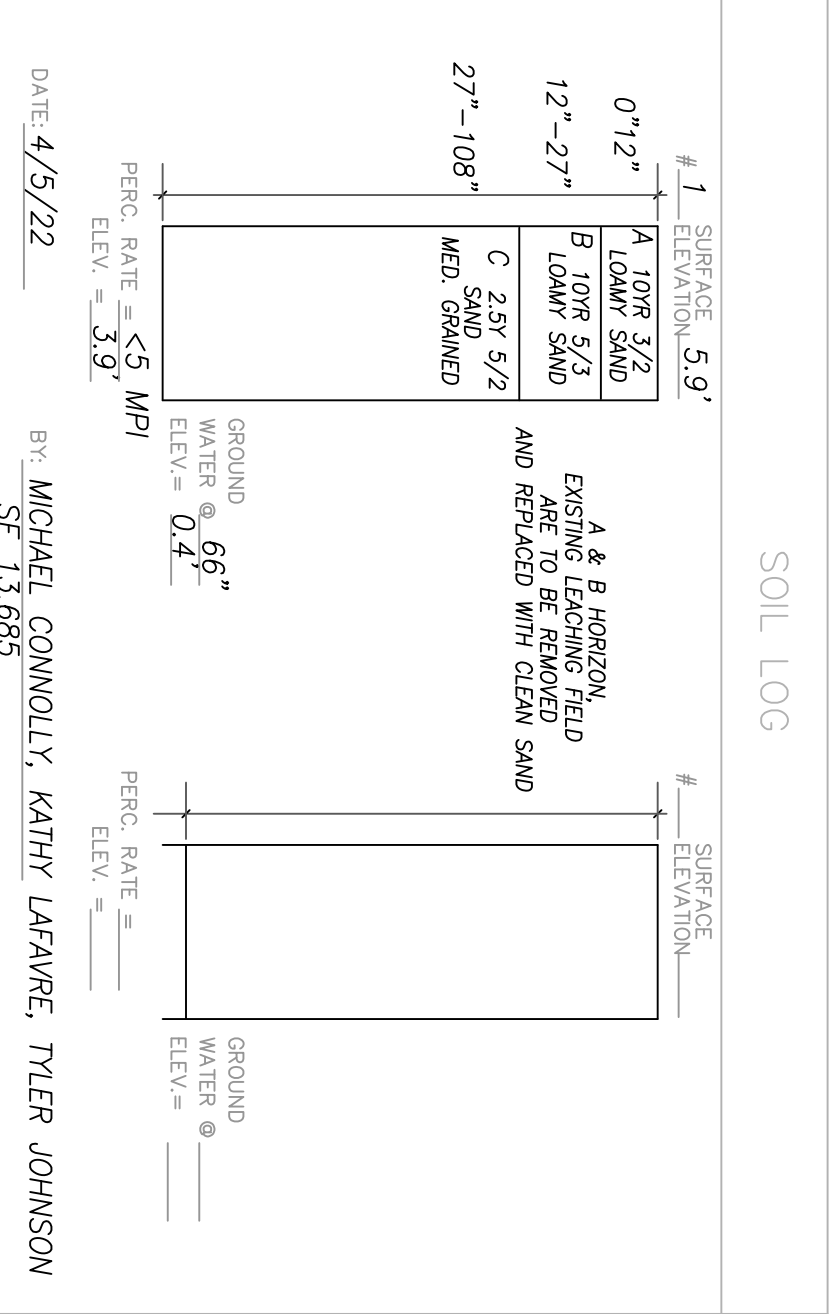
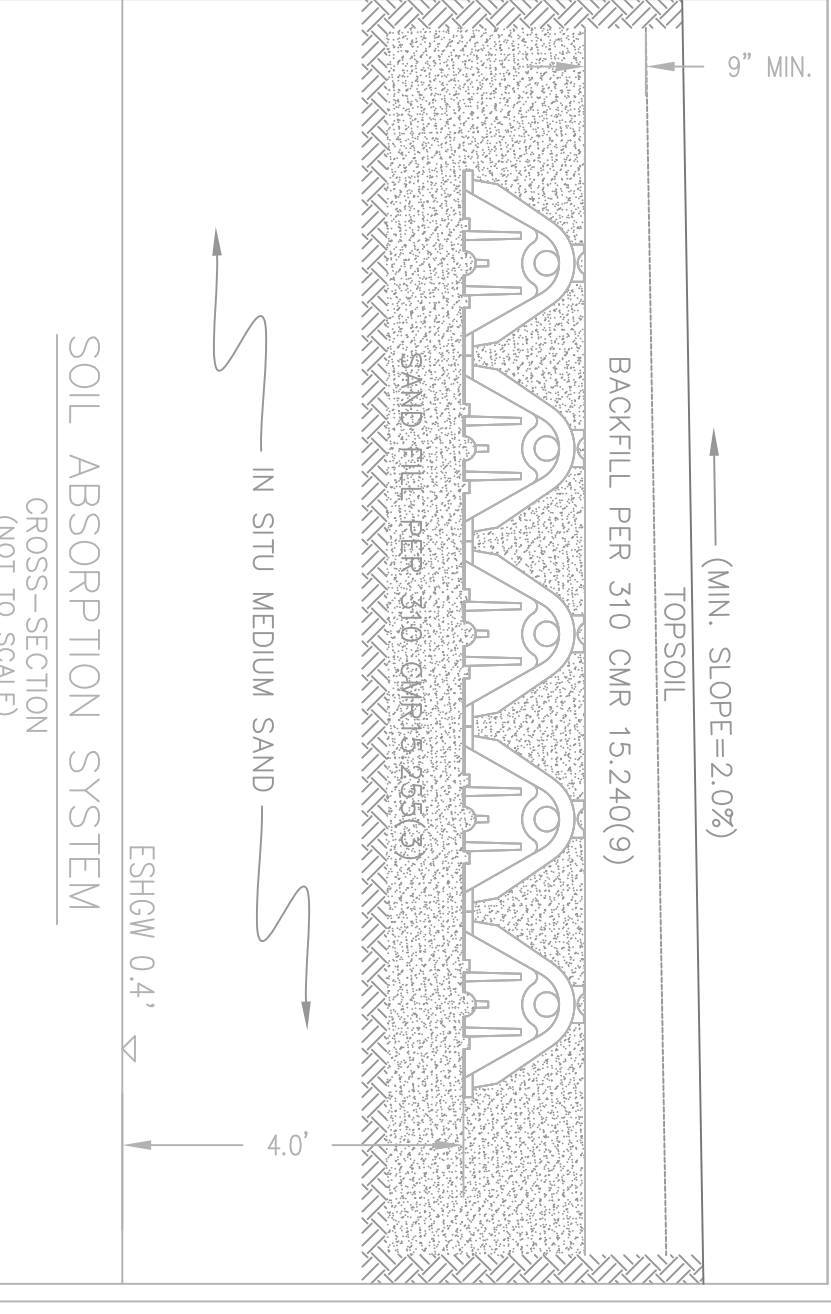
CONCRETE MIN. STRENGTH: 4000 P.S.I. @ 28 DAYS
 STEEL REINFORCEMENT: ASTM A615, GRADE 60
 DESIGN LOADING: ASHTO - H-10
 HEIGHT: 13,000 LBS.

SEPTIC TANK FLOTATION CALCULATIONS:

ASSUME WORST CASE: G.W. @ TOP OF TANK (EL.=4.43)
 WEIGHT OF CONCRETE: 13,000 LBS. PER PRECAST MANUFACTURER
 BUOYANT FORCE: (10.17' X 6.08') X 5.67' = 350.60 CF
 WEIGHT OF SOIL COVER: (10.17' X 6.08') X 1.0' DEEP = 618 CF
 618 C.F. X 100 LBS./C.F. = 61,833 LBS.
 WEIGHT OF SOIL COVER & CONCRETE = 19,183 LBS.
 BUOYANT FORCE EXCEEDS RESISTING FORCE BY 2,693 LBS.
 ADDITIONAL WEIGHT WILL BE NEEDED TO RESIST UPLIFT.
 CONTRACTOR SHALL PROVIDE CONCRETE BALLAST IN THE AMOUNT OF 1.0 CX.

PROCESSOR TANK FLOTATION CALCULATIONS:

PROPOSED TANK: ACME-SHOREY STAIRISM (H-10)
 TANK WEIGHT: 13,600 LBS. (PER PRECAST MANUFACTURER)
 ASSUME WORST CASE: G.W. @ TOP OF TANK (EL.=4.13)
 BUOYANT FORCE: (10.17' X 6.08') X 5.67' = 350.60 CF
 WEIGHT OF SOIL COVER: (10.17' X 6.08') X 1.5' DEEP = 92.7 CF
 92.7 C.F. X 100 LBS./C.F. = 9,270 LBS.
 WEIGHT OF SOIL COVER & CONCRETE = 22,870 LB
 RESISTING FORCES EXCEED BUOYANT FORCE BY 993 LB
 NO ADDITIONAL BALLAST REQUIRED TO RESIST UPLIFT.

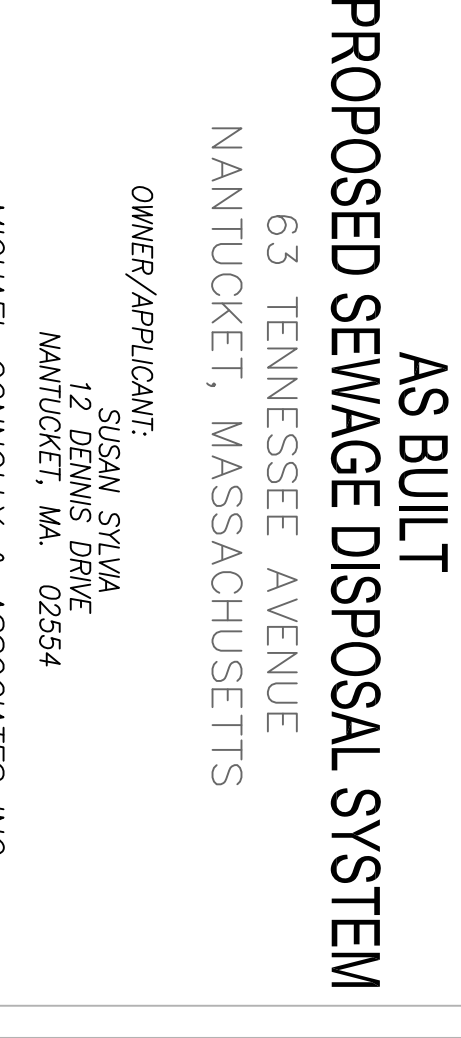


CONSTRUCTION NOTES

- ALL WORK SHALL COMPLY WITH THE MASSACHUSETTS ENVIRONMENTAL CODE TITLE 5 AND TOWN OF NANTUCKET BOARD OF HEALTH REGULATIONS.
- SEWAGE SHALL BE RECEIVED IN 3" DIA. 1500 GPD RC. SEWER IN KIND.
- LEACH AREA BEYOND FOR PROPOSED INFILTRATOR BED SYSTEM SHALL BE 330 GPD (SOIL CLASS 1) ± 0.24 GPD/SF = 446 SF.
- INFILTRATOR LEACHING AREA PROVIDED.
- BED LINES OF CHAMBERS X 4 CHAMBERS PER LINE X 4.73 SF/LF CHAMBER = 473 SF.
- PROPOSED SEPTIC TANK: RECD. VOL. = 330 GPD X 20% = 660 GALL.; 1,500 GALL., 2 COMPARTMENT TANK PROVIDED.
- ALL EXISTING SEPTIC SYSTEM COMPONENTS SHALL BE PUMPED OF THEIR CONTENTS AND REMOVED FOR OFF-SITE DISPOSAL.
- SEPTIC TANK COVERS SHALL BE BROUGHT TO FINISH GRADE.
- THERE ARE NO WELLS WITHIN 100 FT. OF THE PROPOSED SOIL ABSORPTION SYSTEM.
- THERE ARE NO SOIL ABSORPTION SYSTEMS WITHIN 100 FT. OF THE EXISTING WELL.
- PROPOSED SYSTEMS ARE NOT PERMITTED IN THE DWELLINGS SERVED BY THE BOARD OF HEALTH. THE CONTRACTOR SHALL CALL MICHAEL CONNOLLY & ASSOC. INC. (508-228-8910) PRIOR TO BACKFILL OF INSTALLED UNDER DRIVEWAYS OR OTHER IMPERVIOUS SURFACES.
- THE PROPOSED SYSTEM SHALL NOT BE CONSTRUCTED UNDER DRIVEWAYS OR OTHER IMPERVIOUS SURFACES.
- THE CONTRACTOR SHALL NOT BE CONSTRUCTED UNDER DRIVEWAYS OR OTHER IMPERVIOUS SURFACES.
- FROM THE DATE OF INSTALLATION UNTIL RECEIPT OF A CERTIFICATE OF COMPLIANCE THE PERMETER OF THE SOIL ABSORPTION SYSTEM SHALL BE STAKED AND FLAGGED TO PREVENT THE USE OF SUCH AREA FOR ALL ACTIVITIES WHICH MIGHT DAMAGE THE PERMETER OF THE SOIL ABSORPTION SYSTEM.
- MEANS SHALL BE PROVIDED TO MAINTAIN ACCESS TO THE PERMETER OF THE SOIL ABSORPTION SYSTEM.
- MEANS SHALL BE PROVIDED TO MAINTAIN ACCESS TO THE PERMETER OF THE SOIL ABSORPTION SYSTEM.
- THE SOIL ABSORPTION SYSTEM SHALL BE INSTALLED BY A QUALIFIED CONTRACTOR IN FULL ACCORDANCE WITH STATE AND LOCAL REGULATIONS, MANUFACTURER'S RECOMMENDATIONS AND GUIDANCE (WHERE APPLICABLE), AND ACCEPTED BEST PRACTICE.
- MEANS SHALL BE PROVIDED TO MAINTAIN ACCESS TO THE PERMETER OF THE SOIL ABSORPTION SYSTEM.
- EFFLUENT TOTAL NITROGEN CONCENTRATIONS TO LESS THAN 19 MG/L MAXIMUM.
- INSTALLATION SHALL BE IN FULL ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE MASSDEP PERMITS FOR SECONDARY TREATMENT UNITS CERTIFIED FOR GENERAL USE# ISSUED 3/20/15.
- AS THE PROVISIONS OF 310 CMR 15,287 "STANDARD CONDITIONS FOR SECONDARY TREATMENT UNITS CERTIFIED FOR GENERAL USE" ISSUED 3/20/15.
- THE OWNER OF THE SUBJECT PROPERTY SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE OF THE ON-SITE SEWAGE DISPOSAL SYSTEM AND SHALL MAINTAIN A CONTRACT WITH A LICENSED WASTEWATER TREATMENT SYSTEM OPERATOR FOR THE OPERATION AND MAINTENANCE OF THE SEPTITECH WASTEWATER TREATMENT UNIT (STU). THE SEPTIC TANK EFFLUENT FILTER SHOULD BE CLEANED WHENEVER THE SEPTITECH UNIT IS ATTENDED TO BY THE SYSTEM OPERATOR AND NOT LESS FREQUENTLY THAN RECOMMENDED BY ITS MANUFACTURER.

PROPOSED SOIL ABSORPTION SYSTEM

THE PROPOSED SOIL ABSORPTION SYSTEM SHALL CONSIST OF 20 ARC 36LP CHAMBERS ARRANGED IN A BED CONFIGURATION. CHAMBERS SHALL BE INSTALLED IN 5 ROWS OF 4 CHAMBERS EACH. LEACHING CAPACITY: 5 LINES X 20.00 LF/LINE X 4.73 SF/LF X 0.74 GPD/SF = 350 GPD BED DIMENSIONS: 14.4 X 20.0

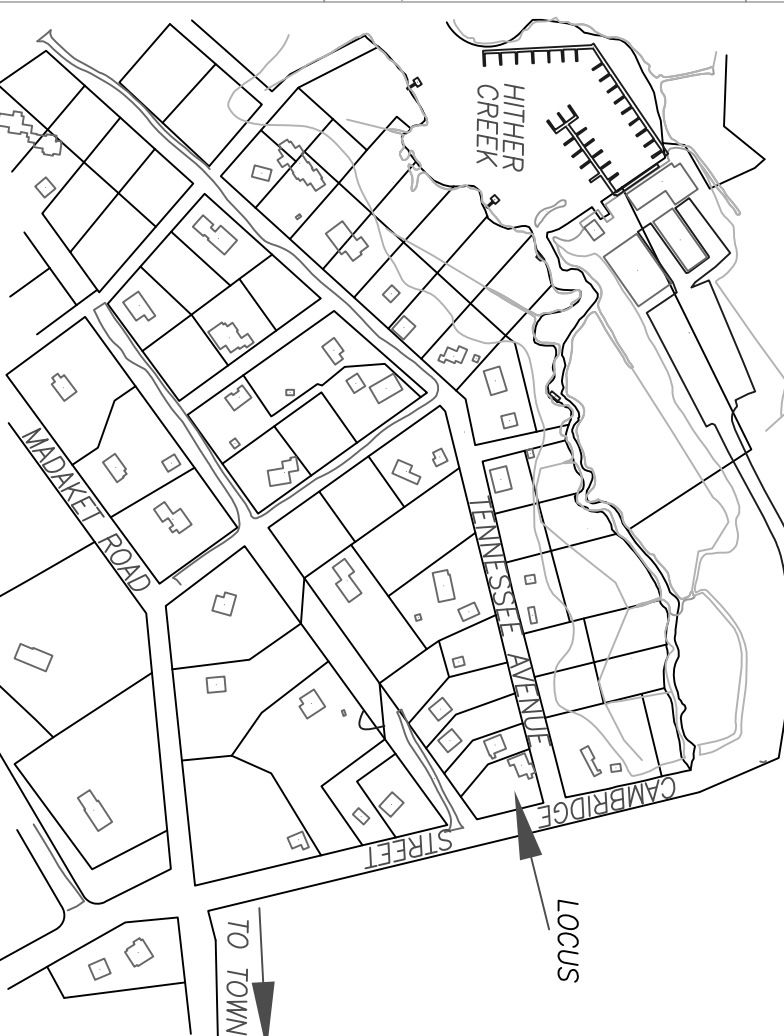


AS-BUILT
PROPOSED SEWAGE DISPOSAL SYSTEM
 63 TENNESSEE AVENUE
 NANTUCKET, MASSACHUSETTS

OWNER/APPLICANT:
 SUSAN SYLVIA
 12 DENNIS DRIVE
 NANTUCKET, MA 02554

MICHAEL CONNOLLY & ASSOCIATES INC.
 PROFESSIONAL LAND SURVEYORS
 150 SUPERSIDE ROAD
 NANTUCKET MA 02554
 (508) 228-8910

C-79668



ADDRESS: 63 TENNESSEE AVENUE, NANTUCKET MA 02554
 ASSESSORS MAP: 59.4-103
 DATE: 5/9/2022
 AS BUILT: 8/22/2023
 SCALE: 1" = 20'

OWNER: SUSAN SYLVIA