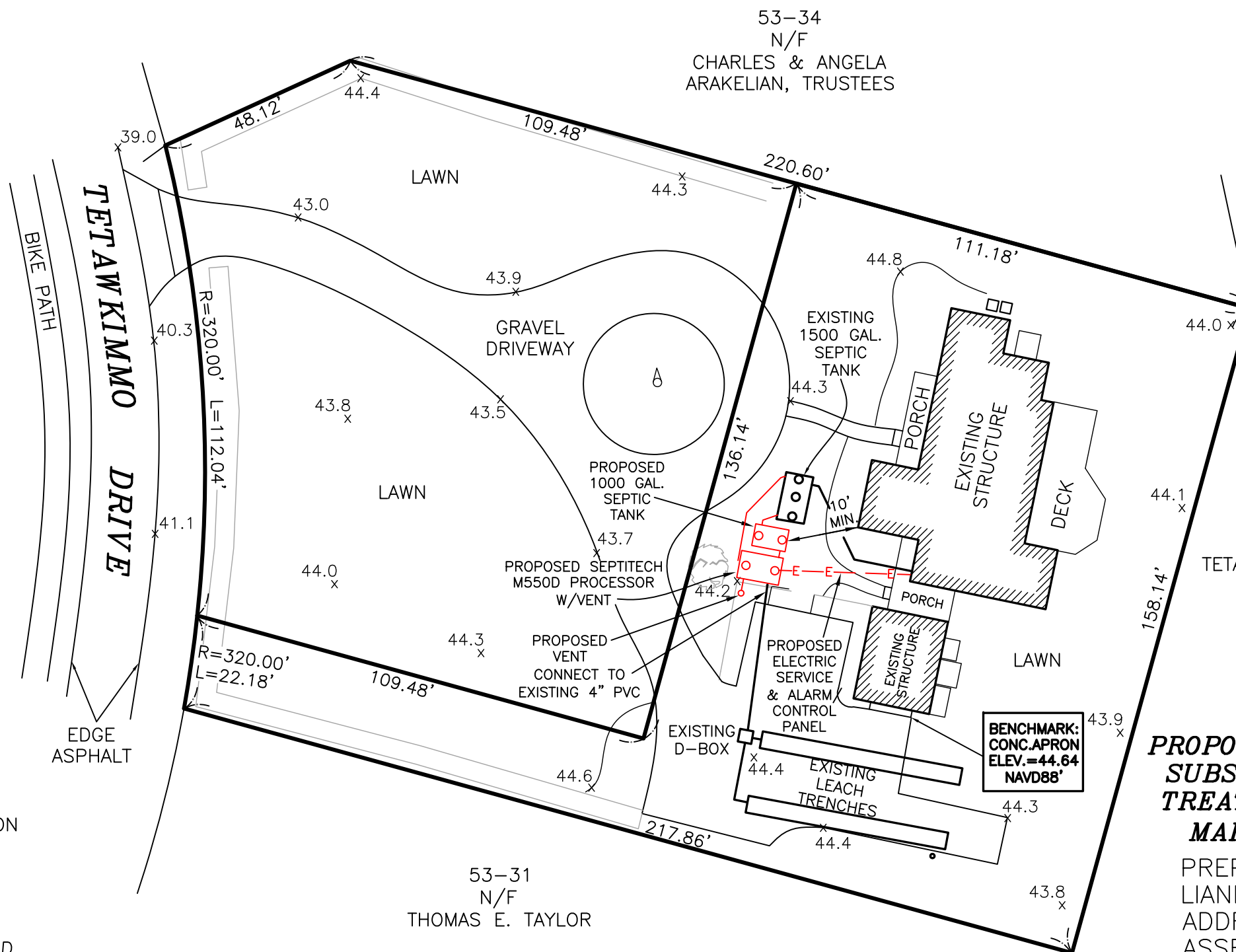


CURRENT ZONING CLASSIFICATION:
LIMITED USE GENERAL 3 (LUG-3)

MINIMUM LOT SIZE: 120,000 S.F.
MINIMUM FRONTAGE: 200 FT.
FRONT YARD SETBACK: 35 FT.
REAR/SIDE SETBACK: 20 FT.
GROUND COVER % : 3%

LOT AREA=37,003±SF

NOTE:
EXISTING SEPTIC COMPONENTS &
ELEVATIONS BASED ON RECORD
FILES AT THE NANTUCKET
HEALTH DEPARTMENT.

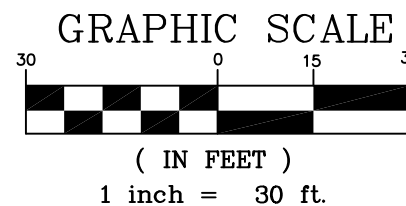


LEGEND

x 44.0 DENOTES EXISTING SPOT ELEVATION

THIS PLOT PLAN WAS PREPARED FOR THE NANTUCKET HEALTH DEPARTMENT ONLY AND SHOULD NOT BE CONSIDERED A PROPERTY LINE SURVEY. THIS PLAN SHOULD NOT BE USED TO ESTABLISH PROPERTY LINES, FENCES, HEDGES OR ANY ANCILLARY STRUCTURES ON THE PREMISES. THE PROPERTY LINES SHOWN RELY ON CURRENT DEEDS AND PLANS OF RECORD. THIS PLOT PLAN IS NOT A CERTIFICATION AS TO TITLE OR OWNERSHIP OF THE PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE SHOWN ACCORDING TO CURRENT ASSESOR RECORDS.

SHEET 1 OF 2

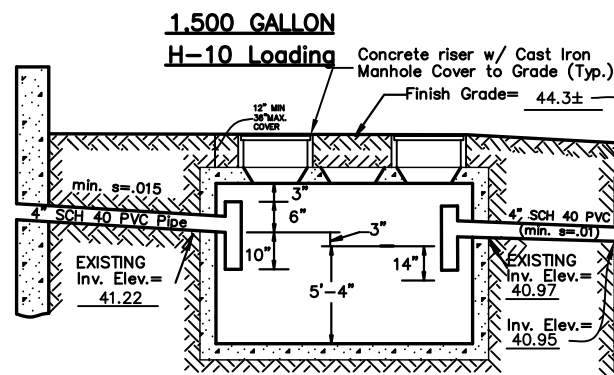


**PROPOSED IA UPGRADE OF A
SUBSURFACE WASTEWATER
TREATMENT AND DISPOSAL
MARCH 30, 2018 1"=30'**

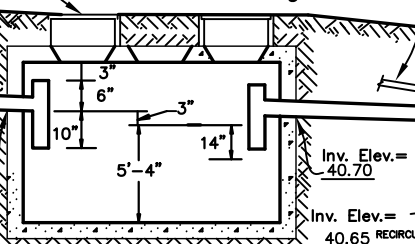
PREPARED FOR OWNER:
LIANNE B. SWAIN
ADDRESS: 7 TETAWKIMMO DRIVE
ASSESSOR MAP 53 PARCEL 32
DEED: BK.682, PG.79
PLFL 45-R, LOTS 3 & 4



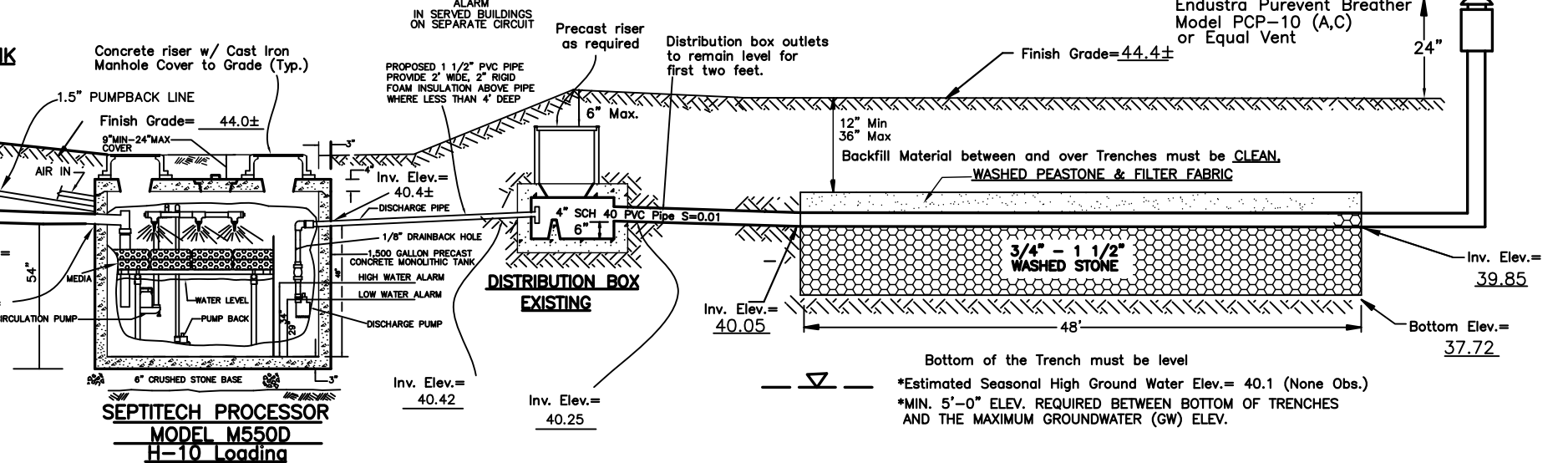
**EXISTING
PRECAST CONCRETE SEPTIC TANK**



**PROPOSED
PRECAST CONCRETE SEPTIC TANK**



SEPTIC SYSTEM PROFILE
Not to Scale

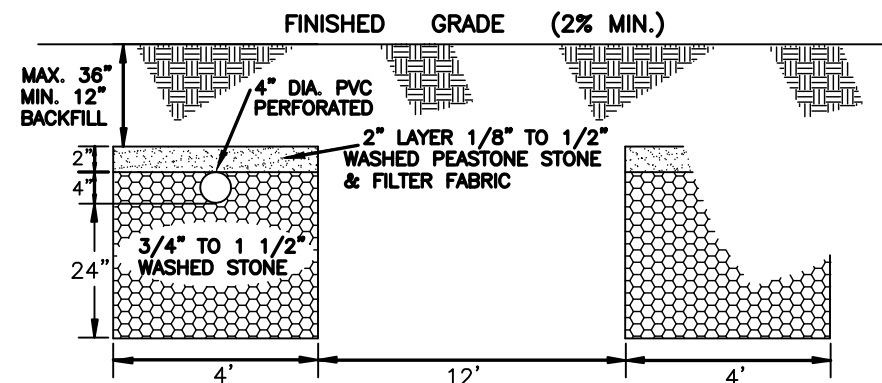


DESIGN CRITERIA

1. TYPE OF ESTABLISHMENT: 5 BEDROOMS
2. DESIGN FLOW: 5 BEDROOMS AT 110 GALS./BEDROOM/DAY = 550 GPD
3. SEPTIC TANK SIZE: 1,500 GALLONS: 550 x 200%=1,100 GAL MIN.
PROVIDE 1000 GAL. TANK AS SECOND COMPARTMENT: 550 x 100% =550 GAL. MIN.
PROPOSED SEPTITECH PROCESSOR: M550D
NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR GARBAGE DISPOSAL.

NOTE:
SYSTEM TO BE INSTALLED IN ACCORDANCE
WITH ALL MANUFACTURER'S SPECIFICATIONS

EXISTING LEACHING TRENCH



EXISTING LEACH TRENCHES
SECTION A-A
NO SCALE

**PROPOSED IA UPGRADE OF A
SUBSURFACE WASTEWATER
TREATMENT AND DISPOSAL
SYSTEM
MARCH 30, 2018 NO SCALE**

GENERAL CONSTRUCTION NOTES

1. All construction to conform to 310 CMR 15.00, TITLE 5 and Regulations of the Nantucket Board of Health.
2. Any deviation or alteration in the construction from the approved plan without the expressed permission of the Design Engineer may invalidate the design and endanger the issuance of a certificate of compliance.
3. Nantucket Engineering & Survey shall be contacted three (3) days prior to the start of construction by the Installer. (508) 825-5053
4. This plan does not warrant or imply any subsurface conditions other than those observed at the immediate test pit locations. In the event impervious or unsuitable material is encountered during construction, said impervious or unsuitable material is to be removed and replaced. See Title 5, 15.255 Construction in Fill.
5. Delivery piping from the building wall to the Distribution Box shall be SCH40, 4 inch diameter PVC placed at a minimum 2% slope (2% = 0.02 feet per foot or 2' per 100'). All PVC to PVC connections are to be SOLVENT WELDED. Backfill Material in proximity to delivery and/or distribution lines is to be free from tailings, clay or similar materials.
6. A cleanout is to be provided in proximity to the building wall to enable a Pumper to clear the house to tank line.
7. Distribution lines are to be PVC Schedule 40 NSF or PVC Schedule 35 may be used for systems designed for less than 2000 gpd and where no vehicular traffic is anticipated. PVC end caps are to be provided on Distribution Line ends that do not require venting. All Distribution Lines over fifty (50') feet in length are to be vented.
8. Any fill required in proximity to delivery piping shall be clean and free of stones larger than 2" dia and be hand tamped to reduce settlement and assure alignment.
9. The septic tank shall be pre-cast reinforced concrete in compliance w/Title 5, 15.223 & 15.226 with an H-10 loading. A Schedule 40 Tee is to be installed in both the inlet and outlet baffles of the Precast Concrete Septic Tank. A gas baffle is to be installed over OUTLET BAFFLE.
10. The tank shall have three 20 inch minimum diameter manholes with readily removable impermeable covers within 6 inches of finish grade.
11. The base of the Distribution Box shall be set on a compacted, suitable, stable base.
12. The Distribution Box shall be fitted with an inlet tee (cut-off 1 inch above the outlet invert). Distribution Boxes shall be a minimum 3 Outlets.
13. The first length (minimum 2 feet) of each pipe outlet pipe from the Distribution Box shall be laid level. All outlet pipes should draw equally, A WATER TEST WILL BE REQUIRED.

14. Topsoil, peat or other impervious (or unsuitable) material shall be removed from below and for a distance of 5 feet in all directions around the disposal works footprint and replaced with clean, suitable material as described in TITLE 5, 15.255:(3) Construction in Fill.
15. Trench bottoms excavated in natural material must be scarified to off-set any machine compaction of the bottom surface.
16. All fill used in conjunction of the system construction must conform to Title 5, 15.255:(3) Construction in Fill.
17. All stone used in disposal trench construction must conform to Title 5, 15.247 Aggregate for size and quality.
18. Any impermeable material used for the construction of an impervious barrier must be impermeable. (Will not pass water, swells upon contact with water, fine sand is not impervious).
19. Areas disturbed by construction shall loamed, seeded, mulched or otherwise stabilized to minimize erosion. The general system area shall be graded with a minimum 2% grade to provide positive surface drainage. Compliance with any Order of Conditions issued by the local Conservation Commission or DEP shall be considered requirements of this design.
20. The property lines depicted here-on are GRAPHIC, it is strongly recommended that the actual property lines be field established prior to construction. Conformance to local by-laws shall be determined by the Owner (Client) prior to construction. This disposal works design is not a property line, bank mortgage or title survey.
21. In the event that evidence or article of human remains is found during the excavation or construction of this proposed works, all activity on-site is to stop. Immediately contact the State Police (508) 228-0706, Nantucket Police 228-1212 (or 911) and DESIGN ENGINEER
22. To prevent the carry over of solids and particulates from the septic tank to soil surfaces in the disposal trenches that are prone to clogging, the septic tank should be inspected periodically to determine the depth of sludge and floatables (grease) accumulation. The tank should be pumped, by a Licensed Pumper, when the sludge volume fills one quarter (1/4) of the tank clear space (or approx every 2 years).
23. The Design Engineer will refuse to issue a positive ASBUILT COMPLIANCE certificate if any portion of the construction is covered prior to adequate inspection by DESIGN ENGINEER and the local Health Agent. The Disposal Works is not to be covered until it is authorized by DESIGN ENGINEER
24. Asbuilt and inspection time has not been included in the billing for this design. Multiple inspections and analysis to correct deviations from the approved design will be billed as add'l charges. Call (508) 825-5053 when you are ready for your inspection.

NOTE:
EXISTING SEPTIC COMPONENTS &
ELEVATIONS BASED ON RECORD
FILES AT THE NANTUCKET
HEALTH DEPARTMENT.

PREPARED FOR OWNER:
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ADDRESS: 7 TETAWKIMMO DRIVE
ASSESSOR MAP 53 PARCEL 32
DEED: BK.682, PG.79
PLFL 45-R, LOTS 3 & 4

**NANTUCKET
ENGINEERING
& SURVEY, PC**
20 Mary Ann Drive Nantucket, MA 02554
NantucketEngineer.com 508-825-5053