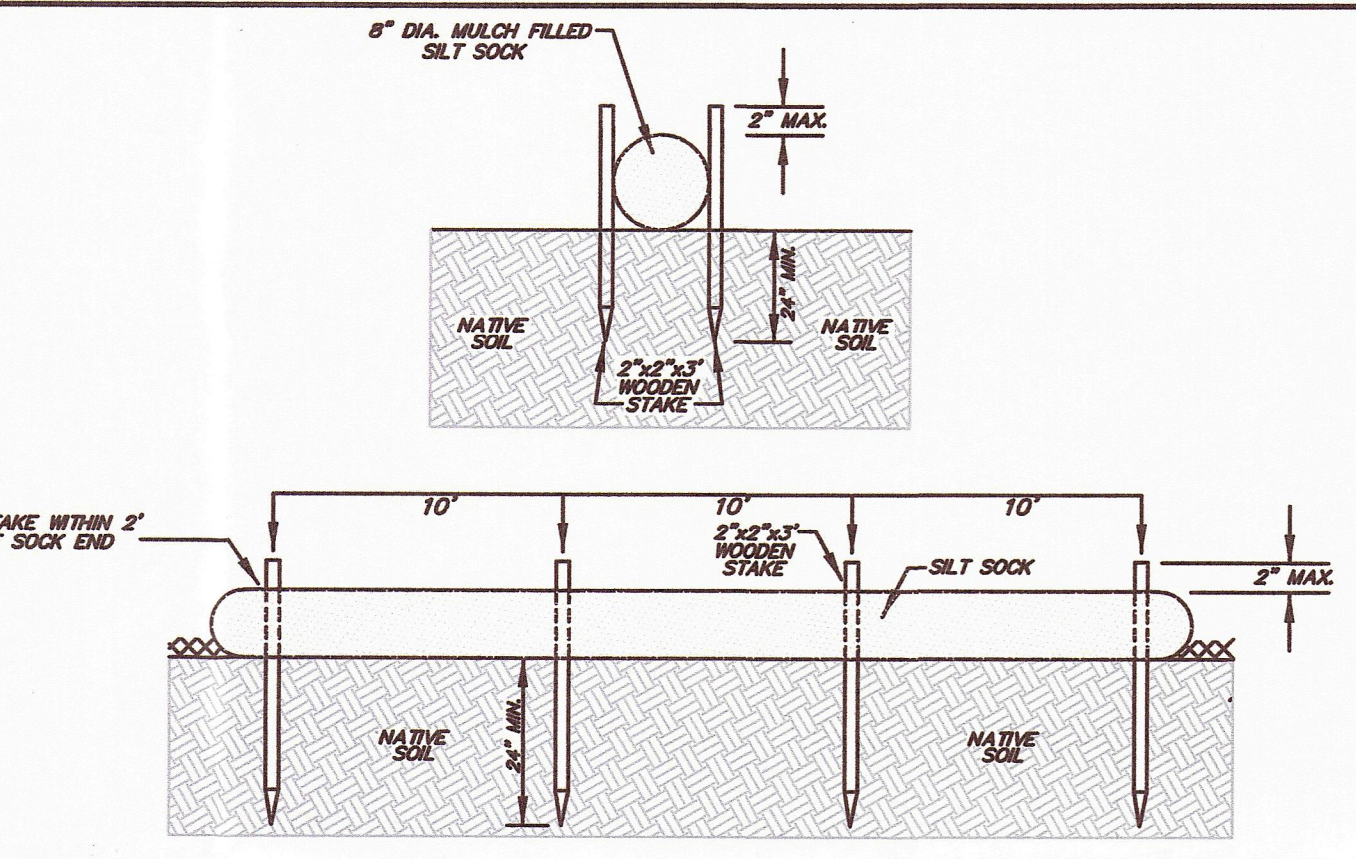
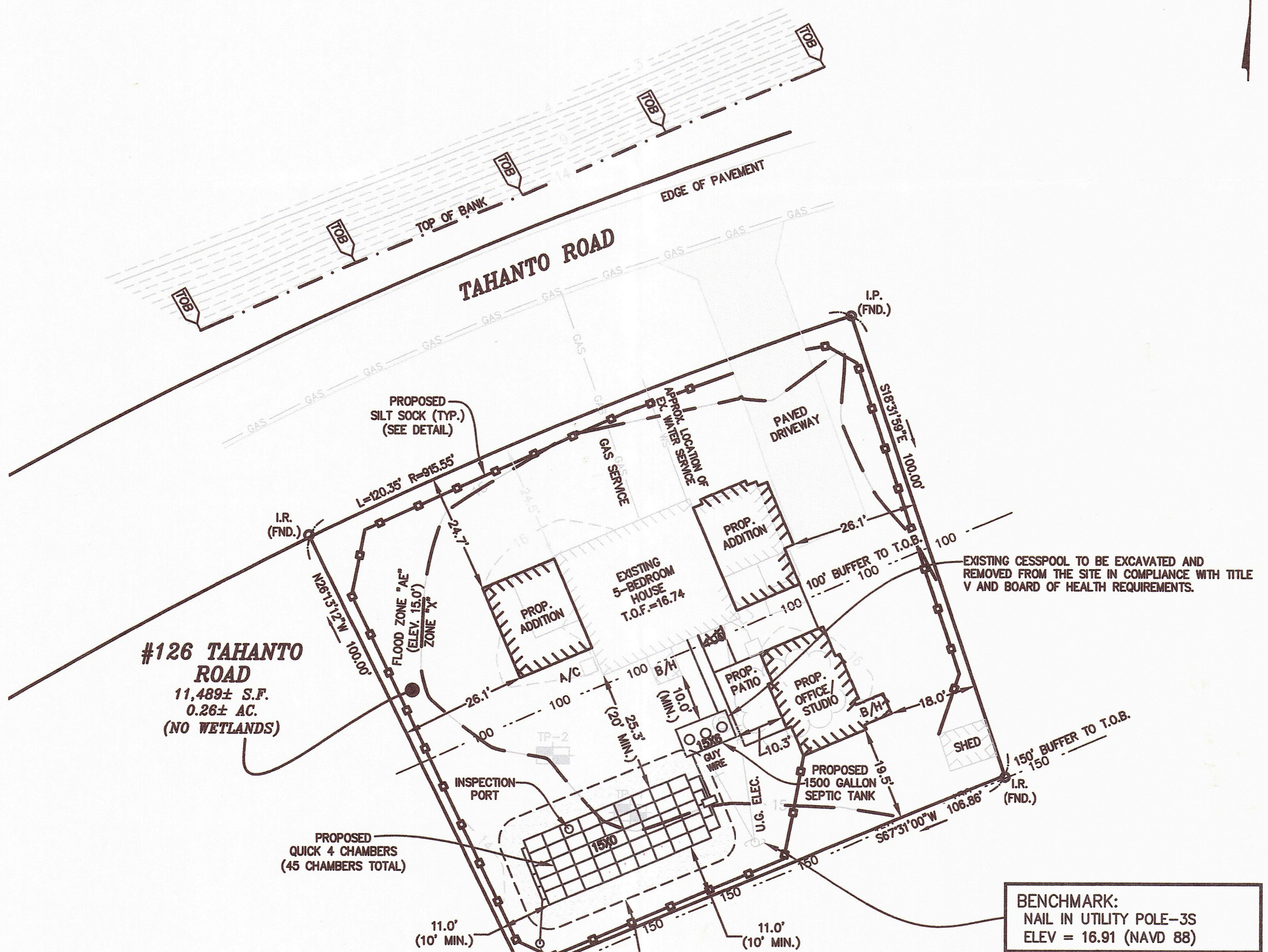


SEPTIC SYSTEM PROFILE
NOT TO SCALE

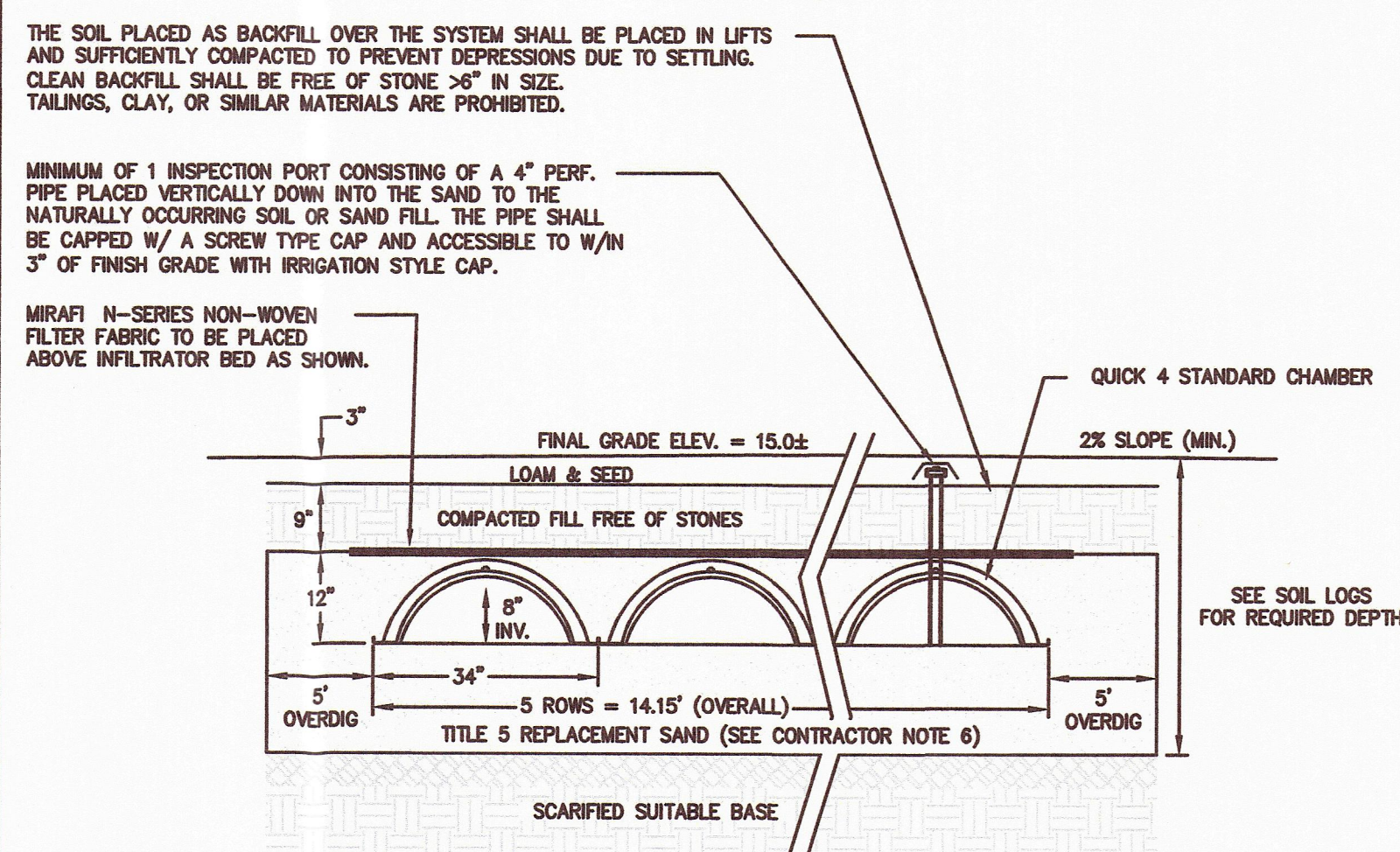
NOTE:
EXISTING INVERT OUT OF THE HOUSE TO BE VERIFIED PRIOR TO CONSTRUCTION. THE DESIGN ENGINEER MUST BE NOTIFIED OF ANY DISCREPANCIES FROM THIS PLAN.

POCASSET BOARD OF HEALTH REGULATIONS WAIVER REQUESTS:

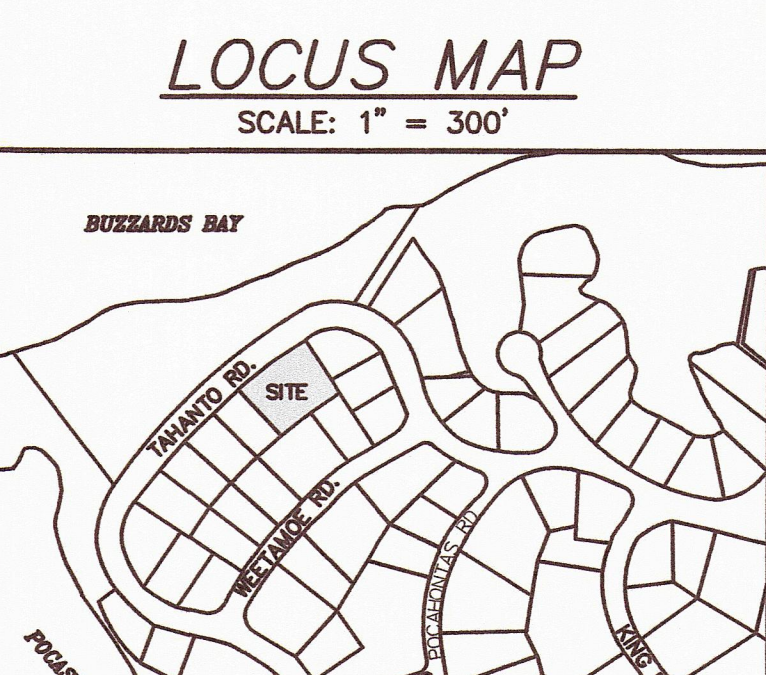
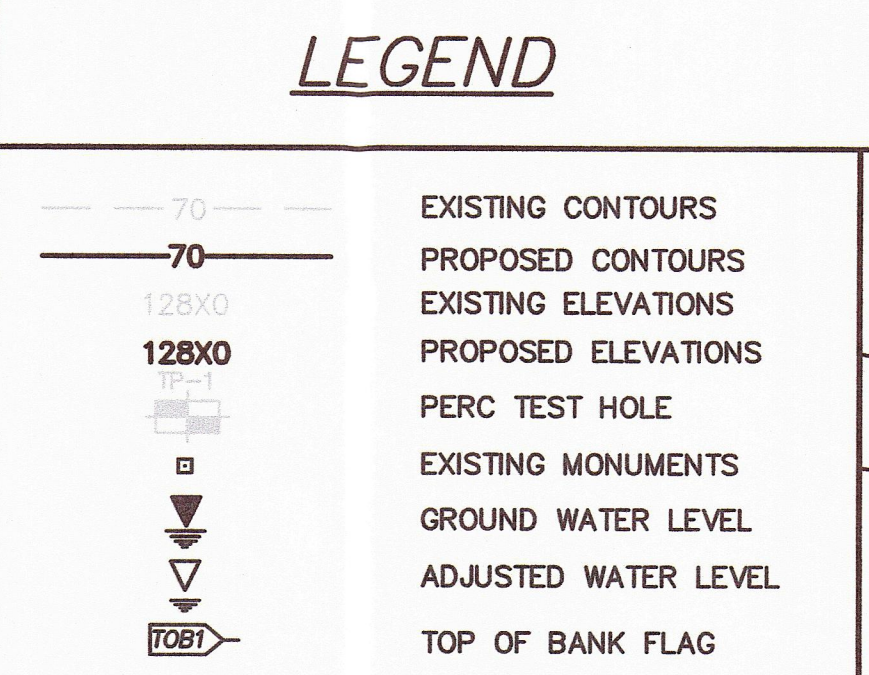
- REDUCTION OF THE REQUIRED SETBACK BETWEEN PROPOSED LEACHING FIELD AND EDGE OF A WETLAND RESOURCE OR WATERCOURSE FROM 150' TO 120'.
- TO ALLOW FOR THE CONSTRUCTION OF AN ON-SITE SEWAGE DISPOSAL SYSTEM LOCATED WITHIN SPECIAL FLOOD HAZARD ZONE A.



SILT SOCK DETAIL
NOT TO SCALE



QUICK 4 CHAMBER BED CONFIGURATION
NOT TO SCALE



T.P.# 1		T.P.# 2	
DEPTH	ELEV.	DEPTH	ELEV.
0	15.2	0	15.1
10"	14.4	10"	14.3
34"	12.4	32"	12.4
96"	7.2	38"	
120"	5.2	112"	5.8

PERC RATE: OBSERVATION HOLE
DATE OF TEST: 12/7/2021
B.O.H. AGENT: TERRI GUARINO
SOIL EVALUATOR: JASON YOUNGQUIST

2 M.P.L. 12/7/2021
TERRI GUARINO
JASON YOUNGQUIST

ENGINEERING STAMP

OWNER & APPLICANT:
CHRISTOPHER & BETH ANN TIMSON ETUX
P.O. BOX 1304
POCASSET, MA 02559

SUBSURFACE SEWAGE DISPOSAL SYSTEM UPGRADE

#126 TAHANTO ROAD
(PARCEL ID: 38.1-12-0)

POCASSET MASSACHUSETTS

DESIGN CALCULATIONS:

- ESTIMATED DAILY FLOW: 5 BEDROOMS X 110 GALLONS PER BEDROOM PER DAY = 550 GALLONS PER DAY.
- SEPTIC TANK REQUIRED CAPACITY = 1500 GALLONS
- LEACHING AREA REQUIREMENTS: USE 2 M.P.L. EFFLUENT LOADING RATE = 0.24 GPD/S.F. (CLASS D) WITH A LEACHING FIELD AREA REQ'D = 550 GPD / 0.24 GPD/S.F. = 233 S.F.
- LEACHING AREA PROVIDED: QUICK 4 CAPACITY = 4.73 S.F./L.F. CAPACITY REQUIRED = 233 S.F. / 4.73 S.F./L.F. = 49.3 L.F. USE 5 ROWS: 15.71 L.F. / 5 ROWS = 3.14 L.F./ROW USE (9) 4' CHAMBERS/ROW, 45 TOTAL CHAMBERS PROPOSED LEACHING FIELD: 12'0" X 14.15' W X 36" L CAPACITY PROVIDED = (45) 4' CHAMBERS = 180 L.F. (180 L.F.) (4.73 S.F./L.F.) = 851 S.F. 0.24 GPD/S.F. = 630 GPD

CONTRACTOR NOTES:

- ALL CONSTRUCTION TO CONFORM TO THE REQUIREMENTS OF THE MASSACHUSETTS DEPT. OF ENVIRONMENTAL PROTECTION SANITARY CODE, TITLE 5, AND LOCAL BOARD OF HEALTH REGULATIONS.
- DESIGN ENGINEER TO BE NOTIFIED AT LEAST 48 HOURS PRIOR TO REQUIRED INSPECTIONS.
- ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR APPROVED EQUAL PER 310 CMR 15.221(12).
- PER 310 CMR 15.246(2), FROM THE DATE OF THE INSTALLATION OF THE SOIL ABSORPTION SYSTEM UNTIL RECEIPT OF A CERTIFICATE OF COMPLIANCE FROM THE APPROVING AUTHORITY IN ACCORDANCE WITH 310 CMR 15.021, THE PERIMETER OF THE SOIL ABSORPTION SYSTEM SHALL BE STAKED AND FLAGGED TO PREVENT THE USE OF SUCH AREA FOR ALL ACTIVITIES WHICH MIGHT DAMAGE THE SOIL ABSORPTION SYSTEM. SUCH FLAGGING IS NOT INTENDED TO PRECLUDE THE FINAL GRADING AND LANDSCAPING OF THE AREA OF THE SOIL ABSORPTION SYSTEM. STOCKPILING OF MATERIALS OR HEAVY EQUIPMENT WITHIN THE AREA IS PROHIBITED.
- LOCATION OF UTILITIES IS APPROXIMATE AND CONTRACTORS SHALL NOTIFY DIGSAFE (DIAL 811) AT LEAST 72 HOURS PRIOR TO THE ONSET OF CONSTRUCTION TO HAVE ALL EXISTING UTILITIES LOCATED AND CLEARLY MARKED.
- IN AREAS SHOWN ON THE PLAN, ALL TOPSOIL, SUBSOIL AND OTHER UNSUITABLE MATERIALS SHALL BE REMOVED AND REPLACED WITH A CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES, GRADED AS FOLLOWS:
 - NO MATERIAL LARGER THAN 2 INCHES.
 - UP TO 45% BY WEIGHT MAY BE RETAINED ON A #4 SEIVE.
 - OF THE FRACTION PASSING THE #4 SEIVE, THE FOLLOWING CRITERIA APPLY:

SEIVE SIZE	EFFECTIVE PARTICLE SIZE	% THAT MUST PASS SEIVE
#4	4.75 mm	100%
#50	0.30 mm	10% - 100%
#100	0.15 mm	0% - 20%
#200	0.075 mm	0% - 5%

SOIL STRATA LOGS
NOT TO SCALE

PERC RATE: OBSERVATION HOLE
DATE OF TEST: 12/7/2021
B.O.H. AGENT: TERRI GUARINO
SOIL EVALUATOR: JASON YOUNGQUIST

2 M.P.L. 12/7/2021
TERRI GUARINO
JASON YOUNGQUIST

RECEIVED
APR 20 2022
Bourne Health Department
24 Perry Avenue
Bourne, MA 02532

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	4/12/22	CHANGE TO FAST SYSTEM	J.E.Y.

Outback Engineering Incorporated

165 EAST GROVE STREET
MIDDLEBOROUGH, MASS. 02346
TEL: 1-(508) 946-9231
www.outback-eng.com

POCASSET MASSACHUSETTS

SCALE: 1" = 20'
DATE: 1/14/2022
DRAWING: OE-3869.DWG
DRAWN: J.E.Y.
CHECKED: J.A.Y.

OE-3869